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FORENSIC TESTING PROGRAM

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Facial Identification Examination
Test No. 25-5571 Summary Report

Each participant was provided with 13 image sets, which they were asked to compare the provided evidence images utilizing their own tools and methods to determine their comparison opinion. Data were returned from 66 participants and are compiled in the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

The Facial Identification Examination test consisted of multiple pairs of facial images in zipped file format for manual comparison. Participants were asked to examine each pair of facial images utilizing their own methods and provide a comparison opinion.

SAMPLE PREPARATION: Facial images were collected and organized into pairs, with each pair stored in a separate digital folder. These folders were then compiled into a zip file, which was uploaded to the CTS Portal. A MD5 and SHA1 hash value for the compressed file was calculated and provided to the participants to validate the integrity of the downloaded file.

VERIFICATION: Predistribution results were consistent with each other and the manufacturer's preparation information.

Comparison Set #	Comparison Opinion
Q1	Common Source
Q2	Common Source
Q3	Different Source
Q4	Different Source
Q5	Different Source ***No consensus achieved **
Q6	Common Source
Q7	Different Source ***No consensus achieved **
Q8	Common Source
Q9	Common Source
Q10	Different Source
Q11	Common Source
Q12	Different Source
Q13	Different Source

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Summary Comments

This test was designed to allow participants to evaluate their proficiency in manual comparison of digital facial images using their own tools and methods. The participants were provided with a series of six comparison sets (Q1, Q2, Q6, Q8, Q9, Q11) that originated from a common source and seven comparison sets (Q3, Q4, Q5, Q7, Q10, Q12, Q13) that originated from a different source. Refer to the Manufacturer's Information for preparation details.

All responses of Common Source (Strong Support for Common Source or Support for Common Source) were tallied together, and all responses of Different Source (Strong Support for Different Source or Support for Different Source) were tallied together to determine consensus for the Comparison Opinions.

A total of 66 participants returned results for this test. Of the 13 image-comparison sets that comprised this test, 11 reached a consensus of greater than 80% where the reported comparison opinions were consistent with the manufacturer's preparation information. The remaining two image sets are described below.

Image sets Q5 (Different Source) and Q7 (Different Source) did not achieve a consensus response. For image set Q5, 39% of participants reported Inconclusive, 35% reported (Strong) Support for Common Source, and 24% of participants reported (Strong) Support for Different Source. Similarly, for image set Q7, 52% of participants reported (Strong) Support for Different Source, 38% reported Inconclusive, and 9% reported (Strong) Support for Common Source. For these two image sets, out of the 18 features, 8 to 10 were reported as "Similar," "Dissimilar," or "Inconclusive" in high or nearly equal proportions.

Participants are encouraged to follow their laboratory's policies and procedures when evaluating their responses to these proficiency test questions.

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Comparison Opinion Summary

TABLE 1

Image Set	Manufacturer's Responses	Common Source Strong Support | Support (Total)	Inconclusive	Different Source Strong Support | Support (Total)
Q1	Common Source	63 | 2 (65)	0	0 | 0 (0)
Q2	Common Source	61 | 3 (64)	0	1 | 0 (1)
Q3	Different Source	0 | 1 (1)	3	45 | 16 (61)
Q4	Different Source	1 | 6 (7)	2	33 | 23 (56)
Q5	Different Source ***No consensus achieved ***	2 | 21 (23)	26	6 | 10 (16)
Q6	Common Source	27 | 27 (54)	6	1 | 4 (5)
Q7	Different Source ***No consensus achieved ***	1 | 5 (6)	25	9 | 25 (34)
Q8	Common Source	64 | 1 (65)	0	0 | 0 (0)
Q9	Common Source	61 | 4 (65)	0	0 | 0 (0)
Q10	Different Source	0 | 3 (3)	0	43 | 19 (62)
Q11	Common Source	26 | 36 (62)	2	0 | 1 (1)
Q12	Different Source	3 | 2 (5)	2	40 | 18 (58)
Q13	Different Source	0 | 1 (1)	2	51 | 11 (62)

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Comparison Opinions

TABLE 2

Image Set Q1: Table 2.1 - Comparison Opinions

WebCode	Response	WebCode	Response
2ZKDG6	Strong Support for Common Source	FZRJT8	Strong Support for Common Source
34T74N	Strong Support for Common Source	H2WQ96	Strong Support for Common Source
3LFL7K	Strong Support for Common Source	HFB7XM	Strong Support for Common Source
3M7MAM	Strong Support for Common Source	HRQ6L4	Strong Support for Common Source
4T9DRJ	Strong Support for Common Source	HUCPQ8	Strong Support for Common Source
6JZ4ZJ	Support for Common Source	HYQFYM	Strong Support for Common Source
7B6GQY	Strong Support for Common Source	JL2M67	Strong Support for Common Source
7PHQBF	Strong Support for Common Source	K3KWNM	Strong Support for Common Source
89T2WX	Strong Support for Common Source	KEBXX2	Strong Support for Common Source
8FP3RH	Strong Support for Common Source	KHWG47	Strong Support for Common Source
8ZX32H	Strong Support for Common Source	L7ZVC2	Strong Support for Common Source
93ZDEX	Strong Support for Common Source	L8289G	
9GLTHW	Strong Support for Common Source	LADNAL	Strong Support for Common Source
9KFMFY	Strong Support for Common Source	LQZ4DH	Strong Support for Common Source
9U4MPG	Strong Support for Common Source	P6CLXG	Strong Support for Common Source
AKVB9D	Strong Support for Common Source	PD3BCW	Strong Support for Common Source
B2Z6FC	Strong Support for Common Source	PGNVGZ	Strong Support for Common Source
BZH38T	Strong Support for Common Source	PKLEJY	Strong Support for Common Source
CKPXLT	Strong Support for Common Source	PRMQFV	Strong Support for Common Source
CUYZ8T	Strong Support for Common Source	PVM3BV	Strong Support for Common Source
D2QZYQ	Strong Support for Common Source	PWHKDW	Strong Support for Common Source
DA6QFC	Strong Support for Common Source	PWYRHE	Strong Support for Common Source
EGJRJR	Strong Support for Common Source	PX9LGZ	Strong Support for Common Source
EGYH2B	Strong Support for Common Source	PY46H2	Support for Common Source
ELRHHR	Strong Support for Common Source	Q49MUY	Strong Support for Common Source
FBEYWM	Strong Support for Common Source		

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Image Set Q1: Table 2.1 - Comparison Opinions

WebCode	Response	WebCode	Response
QTWDAF	Strong Support for Common Source		
QYFHZU	Strong Support for Common Source		
R273NE	Strong Support for Common Source		
TBLBPC	Strong Support for Common Source		
U6E77R	Strong Support for Common Source		
U778AU	Strong Support for Common Source		
UZ6NFC	Strong Support for Common Source		
V7PBGV	Strong Support for Common Source		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Strong Support for Common Source		
XYERF8	Strong Support for Common Source		
XYJ9D7	Strong Support for Common Source		
YGARYR	Strong Support for Common Source		
YKTY67	Strong Support for Common Source		

Opinion Response Summary - Q1

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	63 (95.5%)
Support for Common Source	2 (3.0%)
Inconclusive	0 (0.0%)
Support for Different Source	0 (0.0%)
Strong Support for Different Source	0 (0.0%)

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Image Set Q2: Table 2.2 - Comparison Opinions

WebCode	Response	WebCode	Response
2ZKDG6	Strong Support for Common Source	H2WQ96	Strong Support for Common Source
34T74N	Strong Support for Common Source	HFB7XM	Strong Support for Common Source
3LFL7K	Strong Support for Common Source	HRQ6L4	Strong Support for Different Source
3M7MAM	Strong Support for Common Source	HUCPQ8	Strong Support for Common Source
4T9DRJ	Strong Support for Common Source	HYQFYM	Strong Support for Common Source
6JZ4ZJ	Strong Support for Common Source	JL2M67	Strong Support for Common Source
7B6GQY	Strong Support for Common Source	K3KWNM	Strong Support for Common Source
7PHQBF	Strong Support for Common Source	KEBXX2	Strong Support for Common Source
89T2WX	Strong Support for Common Source	KHWG47	Strong Support for Common Source
8FP3RH	Strong Support for Common Source	L7ZVC2	Strong Support for Common Source
8ZX32H	Strong Support for Common Source	L8289G	
93ZDEX	Strong Support for Common Source	LADNAL	Strong Support for Common Source
9GLTHW	Strong Support for Common Source	LQZ4DH	Strong Support for Common Source
9KFMFY	Strong Support for Common Source	P6CLXG	Strong Support for Common Source
9U4MPG	Strong Support for Common Source	PD3BCW	Strong Support for Common Source
AKVB9D	Strong Support for Common Source	PGNVGZ	Strong Support for Common Source
B2Z6FC	Strong Support for Common Source	PKLEJY	Strong Support for Common Source
BZH38T	Strong Support for Common Source	PRMQFV	Strong Support for Common Source
CKPXLT	Strong Support for Common Source	PVM3BV	Strong Support for Common Source
CUYZ8T	Strong Support for Common Source	PWHKDW	Strong Support for Common Source
D2QZYQ	Strong Support for Common Source	PWYRHE	Strong Support for Common Source
DA6QFC	Strong Support for Common Source	PX9LGZ	Strong Support for Common Source
EGJRJR	Strong Support for Common Source	PY46H2	Strong Support for Common Source
EGYH2B	Support for Common Source	Q49MUY	Strong Support for Common Source
ELRHHR	Strong Support for Common Source	QTWDAF	Strong Support for Common Source
FBEYWM	Strong Support for Common Source	QYFHZU	Strong Support for Common Source
FZRJT8	Strong Support for Common Source	R273NE	Strong Support for Common Source

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Image Set Q2: Table 2.2 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Common Source		
U6E77R	Strong Support for Common Source		
U778AU	Strong Support for Common Source		
UZ6NFC	Strong Support for Common Source		
V7PBGV	Strong Support for Common Source		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Strong Support for Common Source		
XYERF8	Strong Support for Common Source		
XYJ9D7	Support for Common Source		
YGARYR	Strong Support for Common Source		
YKTY67	Support for Common Source		

Opinion Response Summary - Q2

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	61 (92.4%)
Support for Common Source	3 (4.5%)
Inconclusive	0 (0.0%)
Support for Different Source	0 (0.0%)
Strong Support for Different Source	1 (1.5%)

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Image Set Q3: Table 2.3 - Comparison Opinions

WebCode	Response
2ZKDG6	Strong Support for Different Source
34T74N	Support for Different Source
3LFL7K	Strong Support for Different Source
3M7MAM	Strong Support for Different Source
4T9DRJ	Strong Support for Different Source
6JZ4ZJ	Strong Support for Different Source
7B6GQY	Inconclusive
7PHQBF	Strong Support for Different Source
89T2WX	Strong Support for Different Source
8FP3RH	Strong Support for Different Source
8ZX32H	Support for Different Source
93ZDEX	Strong Support for Different Source
9GLTHW	Strong Support for Different Source
9KFMFY	Strong Support for Different Source
9U4MPG	Support for Different Source
AKVB9D	Support for Different Source
B2Z6FC	Support for Different Source
BZH38T	Strong Support for Different Source
CKPXLT	Strong Support for Different Source
CUYZ8T	Strong Support for Different Source
D2QZYQ	Strong Support for Different Source
DA6QFC	Support for Different Source
EGJRJR	Support for Different Source
EGYH2B	Inconclusive
ELRHHR	Strong Support for Different Source
FBEYWM	Support for Different Source
FZRJT8	Strong Support for Different Source
H2WQ96	Strong Support for Different Source
HFB7XM	Support for Different Source
HRQ6L4	Strong Support for Different Source
HUCPQ8	Strong Support for Different Source
HYQFYM	Support for Different Source
JL2M67	Support for Different Source
K3KWNM	Strong Support for Different Source
KEBXX2	Support for Different Source
KHWG47	Strong Support for Different Source
L7ZVC2	Strong Support for Different Source
L8289G	
LADNAL	Strong Support for Different Source
LQZ4DH	Strong Support for Different Source
P6CLXG	Strong Support for Different Source
PD3BCW	Strong Support for Different Source
PGNVGZ	Strong Support for Different Source
PKLEJY	Support for Different Source
PRMQFV	Strong Support for Different Source
PVM3BV	Strong Support for Different Source
PWHKDW	Strong Support for Different Source
PWYRHE	Support for Common Source
PX9LGZ	Strong Support for Different Source
PY46H2	Strong Support for Different Source
Q49MUY	Inconclusive
QTWDAF	Strong Support for Different Source
QYFHZU	Support for Different Source
R273NE	Strong Support for Different Source

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Image Set Q3: Table 2.3 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Different Source		
U6E77R	Strong Support for Different Source		
U778AU	Strong Support for Different Source		
UZ6NFC	Strong Support for Different Source		
V7PBGV	Strong Support for Different Source		
XPRZMN	Strong Support for Different Source		
XQMJNP	Strong Support for Different Source		
XTNLEQ	Strong Support for Different Source		
XYERF8	Strong Support for Different Source		
XYJ9D7	Support for Different Source		
YGARYR	Support for Different Source		
YKTY67	Strong Support for Different Source		

Opinion Response Summary - Q3

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	0 (0.0%)
Support for Common Source	1 (1.5%)
Inconclusive	3 (4.5%)
Support for Different Source	16 (24.2%)
Strong Support for Different Source	45 (68.2%)

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Image Set Q4: Table 2.4 - Comparison Opinions

WebCode	Response
2ZKDG6	Strong Support for Different Source
34T74N	Support for Different Source
3LFL7K	Support for Common Source
3M7MAM	Strong Support for Different Source
4T9DRJ	Support for Different Source
6JZ4ZJ	Strong Support for Different Source
7B6GQY	Support for Different Source
7PHQBF	Strong Support for Different Source
89T2WX	Strong Support for Different Source
8FP3RH	Support for Common Source
8ZX32H	Strong Support for Different Source
93ZDEX	Strong Support for Different Source
9GLTHW	Strong Support for Different Source
9KFMFY	Strong Support for Different Source
9U4MPG	Support for Different Source
AKVB9D	Support for Different Source
B2Z6FC	Strong Support for Different Source
BZH38T	Strong Support for Different Source
CKPXLT	Strong Support for Different Source
CUYZ8T	Support for Different Source
D2QZYQ	Strong Support for Different Source
DA6QFC	Support for Different Source
EGJRJR	Strong Support for Different Source
EGYH2B	Support for Different Source
ELRHHR	Strong Support for Different Source
FBEYWM	Support for Different Source
FZRJT8	Strong Support for Different Source
H2WQ96	Strong Support for Different Source
HFB7XM	Support for Different Source
HRQ6L4	Support for Different Source
HUCPQ8	Support for Different Source
HYQFYM	Strong Support for Different Source
JL2M67	Inconclusive
K3KWNM	Strong Support for Different Source
KEBXX2	Support for Common Source
KHWG47	Strong Support for Different Source
L7ZVC2	Support for Common Source
L8289G	
LADNAL	Strong Support for Different Source
LQZ4DH	Support for Different Source
P6CLXG	Support for Different Source
PD3BCW	Strong Support for Different Source
PGNVGZ	Strong Support for Different Source
PKLEJY	Support for Different Source
PRMQFV	Strong Support for Different Source
PVM3BV	Strong Support for Different Source
PWHKDW	Strong Support for Different Source
PWYRHE	Strong Support for Different Source
PX9LGZ	Support for Different Source
PY46H2	Strong Support for Different Source
Q49MUY	Support for Common Source
QTWDAF	Strong Support for Different Source
QYFHZU	Support for Different Source
R273NE	Strong Support for Different Source

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Image Set Q4: Table 2.4 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Support for Different Source		
U6E77R	Strong Support for Common Source		
U778AU	Strong Support for Different Source		
UZ6NFC	Strong Support for Different Source		
V7PBGV	Inconclusive		
XPRZMN	Strong Support for Different Source		
XQMJNP	Support for Different Source		
XTNLEQ	Support for Common Source		
XYERF8	Support for Different Source		
XYJ9D7	Support for Different Source		
YGARYR	Support for Different Source		
YKTY67	Support for Different Source		

Opinion Response Summary - Q4

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	1 (1.5%)
Support for Common Source	6 (9.1%)
Inconclusive	2 (3.0%)
Support for Different Source	23 (34.8%)
Strong Support for Different Source	33 (50.0%)

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Image Set Q5: Table 2.5 - Comparison Opinions

** Inconsistencies not highlighted; No consensus achieved **

WebCode	Response
2ZKDG6	Support for Different Source
34T74N	Support for Common Source
3LFL7K	Inconclusive
3M7MAM	Inconclusive
4T9DRJ	Support for Different Source
6JZ4ZJ	Support for Common Source
7B6GQY	Support for Common Source
7PHQBF	Support for Common Source
89T2WX	Inconclusive
8FP3RH	Inconclusive
8ZX32H	Inconclusive
93ZDEX	Strong Support for Different Source
9GLTHW	Strong Support for Different Source
9KFMFY	Support for Common Source
9U4MPG	Support for Common Source
AKVB9D	Support for Common Source
B2Z6FC	Support for Different Source
BZH38T	Strong Support for Different Source
CKPXLT	Inconclusive
CUYZ8T	Support for Common Source
D2QZYQ	Support for Different Source
DA6QFC	Inconclusive
EGJRJR	Support for Common Source
EGYH2B	Inconclusive
ELRHHR	Inconclusive
FBEYWM	Inconclusive
FZRJT8	Support for Different Source
H2WQ96	Support for Different Source
HFB7XM	Support for Common Source
HRQ6L4	Support for Common Source
HUCPQ8	Inconclusive
HYQFYM	Inconclusive
JL2M67	Inconclusive
K3KWNM	Support for Common Source
KEBXX2	Inconclusive
KHWG47	Inconclusive
L7ZVC2	Support for Common Source
L8289G	
LADNAL	Strong Support for Different Source
LQZ4DH	Inconclusive
P6CLXG	Support for Different Source
PD3BCW	Strong Support for Different Source
PGNVGZ	Support for Different Source
PKLEJY	Support for Different Source
PRMQFV	Inconclusive
PVM3BV	Support for Common Source
PWHKDW	Inconclusive
PWYRHE	Support for Common Source
PX9LGZ	Support for Different Source
PY46H2	Inconclusive
Q49MUY	Strong Support for Common Source
QTWDAF	Support for Common Source
QYFHZU	Strong Support for Common Source

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Image Set Q5: Table 2.5 - Comparison Opinions

** Inconsistencies not highlighted; No consensus achieved **

WebCode	Response	WebCode	Response
R273NE	Support for Common Source		
TBLBPC	Inconclusive		
U6E77R	Support for Common Source		
U778AU	Inconclusive		
UZ6NFC	Inconclusive		
V7PBGV	Inconclusive		
XPRZMN	Support for Common Source		
XQMJNP	Strong Support for Different Source		
XTNLEQ	Support for Common Source		
XYERF8	Inconclusive		
XYJ9D7	Support for Common Source		
YGARYR	Inconclusive		
YKTY67	Inconclusive		

Opinion Response Summary - Q5

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	2 (3.0%)
Support for Common Source	21 (31.8%)
Inconclusive	26 (39.4%)
Support for Different Source	10 (15.2%)
Strong Support for Different Source	6 (9.1%)

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Image Set Q6: Table 2.6 - Comparison Opinions

WebCode	Response
2ZKDG6	Support for Common Source
34T74N	Strong Support for Common Source
3LFL7K	Support for Common Source
3M7MAM	Support for Common Source
4T9DRJ	Support for Common Source
6JZ4ZJ	Strong Support for Common Source
7B6GQY	Strong Support for Common Source
7PHQBF	Strong Support for Common Source
89T2WX	Strong Support for Common Source
8FP3RH	Strong Support for Common Source
8ZX32H	Inconclusive
93ZDEX	Support for Common Source
9GLTHW	Inconclusive
9KFMFY	Support for Common Source
9U4MPG	Support for Common Source
AKVB9D	Support for Common Source
B2Z6FC	Strong Support for Different Source
BZH38T	Support for Common Source
CKPXLT	Support for Common Source
CUYZ8T	Support for Common Source
D2QZYQ	Support for Different Source
DA6QFC	Strong Support for Common Source
EGJRJR	Strong Support for Common Source
EGYH2B	Inconclusive
ELRHHR	Support for Common Source
FBEYWM	Strong Support for Common Source
FZRJT8	Support for Common Source
H2WQ96	Strong Support for Common Source
HFB7XM	Strong Support for Common Source
HRQ6L4	Support for Common Source
HUCPQ8	Support for Common Source
HYQFYM	Strong Support for Common Source
JL2M67	Strong Support for Common Source
K3KWNM	Strong Support for Common Source
KEBXX2	Strong Support for Common Source
KHWG47	Support for Common Source
L7ZVC2	Strong Support for Common Source
L8289G	
LADNAL	Support for Common Source
LQZ4DH	Strong Support for Common Source
P6CLXG	Support for Common Source
PD3BCW	Support for Different Source
PGNVGZ	Support for Different Source
PKLEJY	Support for Common Source
PRMQFV	Support for Common Source
PVM3BV	Support for Common Source
PWHKDW	Strong Support for Common Source
PWYRHE	Strong Support for Common Source
PX9LGZ	Support for Different Source
PY46H2	Support for Common Source
Q49MUY	Strong Support for Common Source
QTWDAF	Strong Support for Common Source
QYFHZU	Strong Support for Common Source
R273NE	Strong Support for Common Source

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Image Set Q6: Table 2.6 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Support for Common Source		
U6E77R	Support for Common Source		
U778AU	Strong Support for Common Source		
UZ6NFC	Inconclusive		
V7PBGV	Inconclusive		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Strong Support for Common Source		
XYERF8	Support for Common Source		
XYJ9D7	Support for Common Source		
YGARYR	Support for Common Source		
YKTY67	Inconclusive		

Opinion Response Summary - Q6

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	27 (40.9%)
Support for Common Source	27 (40.9%)
Inconclusive	6 (9.1%)
Support for Different Source	4 (6.1%)
Strong Support for Different Source	1 (1.5%)

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Image Set Q7: Table 2.7 - Comparison Opinions

** Inconsistencies not highlighted; No consensus achieved **

WebCode	Response	WebCode	Response
2ZKDG6	Support for Different Source	H2WQ96	Support for Different Source
34T74N	Support for Common Source	HFB7XM	Support for Different Source
3LFL7K	Inconclusive	HRQ6L4	Support for Different Source
3M7MAM	Support for Different Source	HUCPQ8	Inconclusive
4T9DRJ	Support for Different Source	HYQFYM	Support for Common Source
6JZ4ZJ	Inconclusive	JL2M67	Inconclusive
7B6GQY	Support for Different Source	K3KWNM	Strong Support for Different Source
7PHQBF	Inconclusive	KEBXX2	Inconclusive
89T2WX	Inconclusive	KHWG47	Inconclusive
8FP3RH	Strong Support for Different Source	L7ZVC2	Support for Different Source
8ZX32H	Inconclusive	L8289G	
93ZDEX	Strong Support for Different Source	LADNAL	Strong Support for Different Source
9GLTHW	Strong Support for Different Source	LQZ4DH	Support for Different Source
9KFMFY	Strong Support for Different Source	P6CLXG	Support for Different Source
9U4MPG	Support for Different Source	PD3BCW	Strong Support for Different Source
AKVB9D	Support for Different Source	PGNVGZ	Support for Different Source
B2Z6FC	Strong Support for Common Source	PKLEJY	Support for Different Source
BZH38T	Strong Support for Different Source	PRMQFV	Support for Different Source
CKPXLT	Inconclusive	PVM3BV	Support for Common Source
CUYZ8T	Support for Different Source	PWHKDW	Support for Different Source
D2QZYQ	Support for Different Source	PWYRHE	Support for Different Source
DA6QFC	Support for Different Source	PX9LGZ	Support for Different Source
EGJRJR	Inconclusive	PY46H2	Inconclusive
EGYH2B	Inconclusive	Q49MUY	Inconclusive
ELRHHR	Support for Different Source	QTWDAF	Inconclusive
FBEYWM	Inconclusive	QYFHZU	Support for Common Source
FZRJT8	Support for Different Source		

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Image Set Q7: Table 2.7 - Comparison Opinions

** Inconsistencies not highlighted; No consensus achieved **

WebCode	Response	WebCode	Response
R273NE	Strong Support for Different Source		
TBLBPC	Inconclusive		
U6E77R	Support for Common Source		
U778AU	Support for Different Source		
UZ6NFC	Inconclusive		
V7PBGV	Inconclusive		
XPRZMN	Inconclusive		
XQMJNP	Support for Different Source		
XTNLEQ	Inconclusive		
XYERF8	Inconclusive		
XYJ9D7	Inconclusive		
YGARYR	Inconclusive		
YKTY67	Inconclusive		

Opinion Response Summary - Q7

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	1 (1.5%)
Support for Common Source	5 (7.6%)
Inconclusive	25 (37.9%)
Support for Different Source	25 (37.9%)
Strong Support for Different Source	9 (13.6%)

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Image Set Q8: Table 2.8 - Comparison Opinions

WebCode	Response	WebCode	Response
2ZKDG6	Strong Support for Common Source	H2WQ96	Strong Support for Common Source
34T74N	Strong Support for Common Source	HFB7XM	Strong Support for Common Source
3LFL7K	Strong Support for Common Source	HRQ6L4	Strong Support for Common Source
3M7MAM	Strong Support for Common Source	HUCPQ8	Strong Support for Common Source
4T9DRJ	Strong Support for Common Source	HYQFYM	Strong Support for Common Source
6JZ4ZJ	Strong Support for Common Source	JL2M67	Strong Support for Common Source
7B6GQY	Strong Support for Common Source	K3KWNM	Strong Support for Common Source
7PHQBF	Strong Support for Common Source	KEBXX2	Strong Support for Common Source
89T2WX	Strong Support for Common Source	KHWG47	Strong Support for Common Source
8FP3RH	Strong Support for Common Source	L7ZVC2	Strong Support for Common Source
8ZX32H	Strong Support for Common Source	L8289G	
93ZDEX	Strong Support for Common Source	LADNAL	Strong Support for Common Source
9GLTHW	Strong Support for Common Source	LQZ4DH	Strong Support for Common Source
9KFMFY	Strong Support for Common Source	P6CLXG	Strong Support for Common Source
9U4MPG	Strong Support for Common Source	PD3BCW	Strong Support for Common Source
AKVB9D	Strong Support for Common Source	PGNVGZ	Strong Support for Common Source
B2Z6FC	Strong Support for Common Source	PKLEJY	Strong Support for Common Source
BZH38T	Strong Support for Common Source	PRMQFV	Strong Support for Common Source
CKPXLT	Strong Support for Common Source	PVM3BV	Strong Support for Common Source
CUYZ8T	Strong Support for Common Source	PWHKDW	Strong Support for Common Source
D2QZYQ	Strong Support for Common Source	PWYRHE	Strong Support for Common Source
DA6QFC	Strong Support for Common Source	PX9LGZ	Strong Support for Common Source
EGJRJR	Strong Support for Common Source	PY46H2	Strong Support for Common Source
EGYH2B	Strong Support for Common Source	Q49MUY	Strong Support for Common Source
ELRHHR	Strong Support for Common Source	QTWDAF	Strong Support for Common Source
FBEYWM	Strong Support for Common Source	QYFHZU	Strong Support for Common Source
FZRJT8	Strong Support for Common Source	R273NE	Strong Support for Common Source

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Image Set Q8: Table 2.8 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Common Source		
U6E77R	Strong Support for Common Source		
U778AU	Strong Support for Common Source		
UZ6NFC	Strong Support for Common Source		
V7PBGV	Support for Common Source		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Strong Support for Common Source		
XYERF8	Strong Support for Common Source		
XYJ9D7	Strong Support for Common Source		
YGARYR	Strong Support for Common Source		
YKTY67	Strong Support for Common Source		

Opinion Response Summary - Q8

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	64 (97.0%)
Support for Common Source	1 (1.5%)
Inconclusive	0 (0.0%)
Support for Different Source	0 (0.0%)
Strong Support for Different Source	0 (0.0%)

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Image Set Q9: Table 2.9 - Comparison Opinions

WebCode	Response	WebCode	Response
2ZKDG6	Strong Support for Common Source	H2WQ96	Strong Support for Common Source
34T74N	Strong Support for Common Source	HFB7XM	Strong Support for Common Source
3LFL7K	Strong Support for Common Source	HRQ6L4	Strong Support for Common Source
3M7MAM	Strong Support for Common Source	HUCPQ8	Strong Support for Common Source
4T9DRJ	Strong Support for Common Source	HYQFYM	Strong Support for Common Source
6JZ4ZJ	Strong Support for Common Source	JL2M67	Strong Support for Common Source
7B6GQY	Strong Support for Common Source	K3KWNM	Strong Support for Common Source
7PHQBF	Strong Support for Common Source	KEBXX2	Strong Support for Common Source
89T2WX	Strong Support for Common Source	KHWG47	Strong Support for Common Source
8FP3RH	Strong Support for Common Source	L7ZVC2	Strong Support for Common Source
8ZX32H	Strong Support for Common Source	L8289G	
93ZDEX	Strong Support for Common Source	LADNAL	Strong Support for Common Source
9GLTHW	Strong Support for Common Source	LQZ4DH	Strong Support for Common Source
9KFMFY	Strong Support for Common Source	P6CLXG	Strong Support for Common Source
9U4MPG	Strong Support for Common Source	PD3BCW	Strong Support for Common Source
AKVB9D	Strong Support for Common Source	PGNVGZ	Strong Support for Common Source
B2Z6FC	Strong Support for Common Source	PKLEJY	Strong Support for Common Source
BZH38T	Strong Support for Common Source	PRMQFV	Strong Support for Common Source
CKPXLT	Strong Support for Common Source	PVM3BV	Strong Support for Common Source
CUYZ8T	Strong Support for Common Source	PWHKDW	Strong Support for Common Source
D2QZYQ	Strong Support for Common Source	PWYRHE	Strong Support for Common Source
DA6QFC	Strong Support for Common Source	PX9LGZ	Support for Common Source
EGJRJR	Strong Support for Common Source	PY46H2	Support for Common Source
EGYH2B	Strong Support for Common Source	Q49MUY	Strong Support for Common Source
ELRHHR	Support for Common Source	QTWDAF	Strong Support for Common Source
FBEYWM	Strong Support for Common Source	QYFHZU	Strong Support for Common Source
FZRJT8	Strong Support for Common Source	R273NE	Strong Support for Common Source

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Image Set Q9: Table 2.9 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Common Source		
U6E77R	Strong Support for Common Source		
U778AU	Strong Support for Common Source		
UZ6NFC	Strong Support for Common Source		
V7PBGV	Support for Common Source		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Strong Support for Common Source		
XYERF8	Strong Support for Common Source		
XYJ9D7	Strong Support for Common Source		
YGARYR	Strong Support for Common Source		
YKTY67	Strong Support for Common Source		

Opinion Response Summary - Q9

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	61 (92.4%)
Support for Common Source	4 (6.1%)
Inconclusive	0 (0.0%)
Support for Different Source	0 (0.0%)
Strong Support for Different Source	0 (0.0%)

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Image Set Q10: Table 2.10 - Comparison Opinions

WebCode	Response
2ZKDG6	Strong Support for Different Source
34T74N	Strong Support for Different Source
3LFL7K	Support for Common Source
3M7MAM	Strong Support for Different Source
4T9DRJ	Strong Support for Different Source
6JZ4ZJ	Support for Different Source
7B6GQY	Support for Different Source
7PHQBF	Strong Support for Different Source
89T2WX	Strong Support for Different Source
8FP3RH	Strong Support for Different Source
8ZX32H	Strong Support for Different Source
93ZDEX	Strong Support for Different Source
9GLTHW	Strong Support for Different Source
9KFMFY	Strong Support for Different Source
9U4MPG	Support for Different Source
AKVB9D	Strong Support for Different Source
B2Z6FC	Support for Different Source
BZH38T	Strong Support for Different Source
CKPXLT	Strong Support for Different Source
CUYZ8T	Strong Support for Different Source
D2QZYQ	Support for Different Source
DA6QFC	Strong Support for Different Source
EGJRJR	Support for Different Source
EGYH2B	Support for Different Source
ELRHHR	Support for Different Source
FBEYWM	Support for Different Source
FZRJT8	Strong Support for Different Source
H2WQ96	Strong Support for Different Source
HFB7XM	Strong Support for Different Source
HRQ6L4	Strong Support for Different Source
HUCPQ8	Strong Support for Different Source
HYQFYM	Strong Support for Different Source
JL2M67	Support for Different Source
K3KWNM	Strong Support for Different Source
KEBXX2	Support for Different Source
KHWG47	Strong Support for Different Source
L7ZVC2	Support for Different Source
L8289G	
LADNAL	Strong Support for Different Source
LQZ4DH	Support for Different Source
P6CLXG	Strong Support for Different Source
PD3BCW	Strong Support for Different Source
PGNVGZ	Strong Support for Different Source
PKLEJY	Strong Support for Different Source
PRMQFV	Strong Support for Different Source
PVM3BV	Strong Support for Different Source
PWHKDW	Strong Support for Different Source
PWYRHE	Strong Support for Different Source
PX9LGZ	Strong Support for Different Source
PY46H2	Support for Different Source
Q49MUY	Strong Support for Different Source
QTWDAF	Support for Different Source
QYFHZU	Support for Common Source
R273NE	Strong Support for Different Source

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Image Set Q10: Table 2.10 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Different Source		
U6E77R	Strong Support for Different Source		
U778AU	Strong Support for Different Source		
UZ6NFC	Strong Support for Different Source		
V7PBGV	Support for Different Source		
XPRZMN	Support for Different Source		
XQMJNP	Strong Support for Different Source		
XTNLEQ	Support for Common Source		
XYERF8	Strong Support for Different Source		
XYJ9D7	Support for Different Source		
YGARYR	Strong Support for Different Source		
YKTY67	Support for Different Source		

Opinion Response Summary - Q10

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	0 (0.0%)
Support for Common Source	3 (4.5%)
Inconclusive	0 (0.0%)
Support for Different Source	19 (28.8%)
Strong Support for Different Source	43 (65.2%)

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Image Set Q11: Table 2.11 - Comparison Opinions

WebCode	Response
2ZKDG6	Support for Common Source
34T74N	Support for Common Source
3LFL7K	Strong Support for Common Source
3M7MAM	Support for Common Source
4T9DRJ	Strong Support for Common Source
6JZ4ZJ	Strong Support for Common Source
7B6GQY	Support for Common Source
7PHQBF	Strong Support for Common Source
89T2WX	Support for Common Source
8FP3RH	Support for Common Source
8ZX32H	Inconclusive
93ZDEX	Support for Common Source
9GLTHW	Strong Support for Common Source
9KFMFY	Strong Support for Common Source
9U4MPG	Support for Common Source
AKVB9D	Support for Common Source
B2Z6FC	Strong Support for Common Source
BZH38T	Strong Support for Common Source
CKPXLT	Support for Common Source
CUYZ8T	Support for Common Source
D2QZYQ	Support for Common Source
DA6QFC	Support for Common Source
EGJRJR	Strong Support for Common Source
EGYH2B	Inconclusive
ELRHHR	Strong Support for Common Source
FBEYWM	Support for Common Source
FZRJT8	Strong Support for Common Source
H2WQ96	Support for Common Source
HFB7XM	Support for Common Source
HRQ6L4	Support for Common Source
HUCPQ8	Strong Support for Common Source
HYQFYM	Strong Support for Common Source
JL2M67	Support for Common Source
K3KWNM	Strong Support for Common Source
KEBXX2	Support for Common Source
KHWG47	Support for Common Source
L7ZVC2	Strong Support for Common Source
L8289G	
LADNAL	Support for Common Source
LQZ4DH	Strong Support for Common Source
P6CLXG	Support for Common Source
PD3BCW	Strong Support for Common Source
PGNVGZ	Support for Common Source
PKLEJY	Support for Common Source
PRMQFV	Support for Common Source
PVM3BV	Support for Common Source
PWHKDW	Support for Common Source
PWYRHE	Strong Support for Common Source
PX9LGZ	Support for Different Source
PY46H2	Support for Common Source
Q49MUY	Strong Support for Common Source
QTWDAF	Strong Support for Common Source
QYFHZU	Support for Common Source
R273NE	Strong Support for Common Source

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Image Set Q11: Table 2.11 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Common Source		
U6E77R	Strong Support for Common Source		
U778AU	Support for Common Source		
UZ6NFC	Strong Support for Common Source		
V7PBGV	Support for Common Source		
XPRZMN	Strong Support for Common Source		
XQMJNP	Strong Support for Common Source		
XTNLEQ	Support for Common Source		
XYERF8	Support for Common Source		
XYJ9D7	Support for Common Source		
YGARYR	Support for Common Source		
YKTY67	Support for Common Source		

Opinion Response Summary - Q11

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	26 (39.4%)
Support for Common Source	36 (54.5%)
Inconclusive	2 (3.0%)
Support for Different Source	1 (1.5%)
Strong Support for Different Source	0 (0.0%)

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Image Set Q12: Table 2.12 - Comparison Opinions

WebCode	Response
2ZKDG6	Strong Support for Different Source
34T74N	Support for Different Source
3LFL7K	Strong Support for Different Source
3M7MAM	Strong Support for Different Source
4T9DRJ	Strong Support for Different Source
6JZ4ZJ	Support for Different Source
7B6GQY	Strong Support for Common Source
7PHQBF	Strong Support for Different Source
89T2WX	Strong Support for Different Source
8FP3RH	Support for Different Source
8ZX32H	Inconclusive
93ZDEX	Strong Support for Different Source
9GLTHW	Strong Support for Different Source
9KFMFY	Strong Support for Different Source
9U4MPG	Strong Support for Different Source
AKVB9D	Support for Different Source
B2Z6FC	Strong Support for Different Source
BZH38T	Strong Support for Different Source
CKPXLT	Strong Support for Different Source
CUYZ8T	Support for Different Source
D2QZYQ	Strong Support for Different Source
DA6QFC	Support for Different Source
EGJRJR	Strong Support for Different Source
EGYH2B	Strong Support for Different Source
ELRHHR	Strong Support for Different Source
FBEYWM	Support for Different Source
FZRJT8	Strong Support for Different Source
H2WQ96	Strong Support for Different Source
HFB7XM	Strong Support for Different Source
HRQ6L4	Strong Support for Different Source
HUCPQ8	Strong Support for Different Source
HYQFYM	Strong Support for Different Source
JL2M67	Support for Common Source
K3KWNM	Strong Support for Different Source
KEBXX2	Strong Support for Common Source
KHWG47	Strong Support for Different Source
L7ZVC2	Support for Different Source
L8289G	
LADNAL	Strong Support for Different Source
LQZ4DH	Strong Support for Different Source
P6CLXG	Strong Support for Different Source
PD3BCW	Strong Support for Different Source
PGNVGZ	Strong Support for Different Source
PKLEJY	Support for Different Source
PRMQFV	Strong Support for Different Source
PVM3BV	Strong Support for Different Source
PWHKDW	Support for Different Source
PWYRHE	Strong Support for Different Source
PX9LGZ	Strong Support for Different Source
PY46H2	Support for Different Source
Q49MUY	Strong Support for Common Source
QTWDAF	Strong Support for Different Source
QYFHZU	Support for Different Source
R273NE	Strong Support for Different Source

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Image Set Q12: Table 2.12 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Support for Different Source		
U6E77R	Support for Common Source		
U778AU	Strong Support for Different Source		
UZ6NFC	Strong Support for Different Source		
V7PBGV	Inconclusive		
XPRZMN	Strong Support for Different Source		
XQMJNP	Support for Different Source		
XTNLEQ	Support for Different Source		
XYERF8	Strong Support for Different Source		
XYJ9D7	Support for Different Source		
YGARYR	Support for Different Source		
YKTY67	Support for Different Source		

Opinion Response Summary - Q12

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	3 (4.5%)
Support for Common Source	2 (3.0%)
Inconclusive	2 (3.0%)
Support for Different Source	18 (27.3%)
Strong Support for Different Source	40 (60.6%)

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Image Set Q13: Table 2.13 - Comparison Opinions

WebCode	Response	WebCode	Response
2ZKDG6	Strong Support for Different Source	H2WQ96	Strong Support for Different Source
34T74N	Support for Different Source	HFB7XM	Strong Support for Different Source
3LFL7K	Strong Support for Different Source	HRQ6L4	Strong Support for Different Source
3M7MAM	Strong Support for Different Source	HUCPQ8	Strong Support for Different Source
4T9DRJ	Strong Support for Different Source	HYQFYM	Strong Support for Different Source
6JZ4ZJ	Inconclusive	JL2M67	Support for Different Source
7B6GQY	Strong Support for Different Source	K3KWNM	Strong Support for Different Source
7PHQBF	Strong Support for Different Source	KEBXX2	Support for Different Source
89T2WX	Strong Support for Different Source	KHWG47	Strong Support for Different Source
8FP3RH	Strong Support for Different Source	L7ZVC2	Strong Support for Different Source
8ZX32H	Strong Support for Different Source	L8289G	
93ZDEX	Strong Support for Different Source	LADNAL	Strong Support for Different Source
9GLTHW	Strong Support for Different Source	LQZ4DH	Strong Support for Different Source
9KFMFY	Strong Support for Different Source	P6CLXG	Strong Support for Different Source
9U4MPG	Strong Support for Different Source	PD3BCW	Strong Support for Different Source
AKVB9D	Strong Support for Different Source	PGNVGZ	Strong Support for Different Source
B2Z6FC	Strong Support for Different Source	PKLEJY	Strong Support for Different Source
BZH38T	Strong Support for Different Source	PRMQFV	Strong Support for Different Source
CKPXLT	Strong Support for Different Source	PVM3BV	Strong Support for Different Source
CUYZ8T	Strong Support for Different Source	PWHKDW	Support for Different Source
D2QZYQ	Support for Different Source	PWYRHE	Strong Support for Different Source
DA6QFC	Support for Different Source	PX9LGZ	Strong Support for Different Source
EGJRJR	Strong Support for Different Source	PY46H2	Support for Different Source
EGYH2B	Strong Support for Different Source	Q49MUY	Strong Support for Different Source
ELRHHR	Strong Support for Different Source	QTWDAF	Strong Support for Different Source
FBEYWM	Support for Different Source	QYFHZU	Strong Support for Different Source
FZRJT8	Strong Support for Different Source	R273NE	Strong Support for Different Source

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Image Set Q13: Table 2.13 - Comparison Opinions

WebCode	Response	WebCode	Response
TBLBPC	Strong Support for Different Source		
U6E77R	Support for Common Source		
U778AU	Strong Support for Different Source		
UZ6NFC	Strong Support for Different Source		
V7PBGV	Support for Different Source		
XPRZMN	Strong Support for Different Source		
XQMJNP	Strong Support for Different Source		
XTNLEQ	Inconclusive		
XYERF8	Strong Support for Different Source		
XYJ9D7	Strong Support for Different Source		
YGARYR	Support for Different Source		
YKTY67	Support for Different Source		

Opinion Response Summary - Q13

Total Participants: 66

Response	Percent Reported
Strong Support for Common Source	0 (0.0%)
Support for Common Source	1 (1.5%)
Inconclusive	2 (3.0%)
Support for Different Source	11 (16.7%)
Strong Support for Different Source	51 (77.3%)

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Feature Observations Summary

TABLE 3

Image Set Q1: Table 3.1

Assigned Value for Q1: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	57 of 61 (93%)	59
Face/Head Outline	Similar	60 of 62 (97%)	62
Face/Head Composition	Similar	59 of 61 (97%)	61
Hair	Similar	61 of 62 (98%)	61
Forehead	Similar	62 of 62 (100%)	62
Eyebrows	Similar	61 of 62 (98%)	61
Eyes	Similar	61 of 61 (100%)	61
Cheeks	Similar	51 of 60 (85%)	60
Nose	Similar	62 of 62 (100%)	62
Ears	Similar	43 of 62 (69%)	50
Mouth	Similar	46 of 61 (75%)	57
Chin/Jawline	Similar	58 of 61 (95%)	61
Neck	Similar	56 of 61 (92%)	59
Facial Hair	Not Applicable	54 of 62 (87%)	5
Facial Lines	Similar	59 of 61 (97%)	59
Scars	Not Applicable	33 of 61 (54%)	25
Facial Marks	Similar	50 of 62 (81%)	53
Alterations	Not Applicable	27 of 56 (48%)	29

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Image Set Q2: Table 3.2

Assigned Value for Q2: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	56 of 61 (92%)	57
Face/Head Outline	Similar	61 of 61 (100%)	61
Face/Head Composition	Similar	61 of 61 (100%)	61
Hair	Similar	54 of 60 (90%)	58
Forehead	Similar	60 of 60 (100%)	60
Eyebrows	Similar	61 of 61 (100%)	61
Eyes	Similar	58 of 61 (95%)	59
Cheeks	Similar	61 of 61 (100%)	61
Nose	Similar	61 of 61 (100%)	61
Ears	Similar	52 of 61 (85%)	56
Mouth	Similar	61 of 61 (100%)	61
Chin/Jawline	Similar	60 of 60 (100%)	60
Neck	Similar	55 of 59 (93%)	58
Facial Hair	Similar	50 of 59 (85%)	52
Facial Lines	Similar	59 of 61 (97%)	60
Scars	Not Applicable	43 of 60 (72%)	5
Facial Marks	Similar	60 of 61 (98%)	60
Alterations	Not Applicable	51 of 58 (88%)	4

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Image Set Q3: Table 3.3

Assigned Value for Q3: Different Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Dissimilar	29 of 60 (48%)	58
Face/Head Outline	Dissimilar	40 of 60 (67%)	60
Face/Head Composition	Dissimilar	28 of 60 (47%)	60
Hair	Dissimilar	37 of 60 (62%)	57
Forehead	Dissimilar	33 of 59 (56%)	58
Eyebrows	Dissimilar	52 of 60 (87%)	60
Eyes	Dissimilar	46 of 59 (78%)	59
Cheeks	Dissimilar	31 of 59 (53%)	57
Nose	Dissimilar	57 of 61 (93%)	61
Ears	Dissimilar	57 of 61 (93%)	60
Mouth	Dissimilar	36 of 58 (62%)	52
Chin/Jawline	Dissimilar	42 of 59 (71%)	58
Neck	Dissimilar	44 of 60 (73%)	59
Facial Hair	Not Applicable	53 of 61 (87%)	5
Facial Lines	Dissimilar	49 of 58 (84%)	55
Scars	Not Applicable	36 of 59 (61%)	18
Facial Marks	Dissimilar	55 of 61 (90%)	57
Alterations	Not Applicable	26 of 57 (46%)	28

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Image Set Q4: Table 3.4

Assigned Value for Q4: Different Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	34 of 59 (58%)	57
Face/Head Outline	Dissimilar	33 of 59 (56%)	59
Face/Head Composition	Dissimilar	27 of 58 (47%)	58
Hair	Dissimilar	23 of 59 (39%)	55
Forehead	Dissimilar	39 of 61 (64%)	61
Eyebrows	Dissimilar	54 of 61 (89%)	60
Eyes	Dissimilar	21 of 60 (35%)	39
Cheeks	Dissimilar	31 of 59 (53%)	58
Nose	Dissimilar	47 of 60 (78%)	60
Ears	Unable To Compare	50 of 61 (82%)	3
Mouth	Dissimilar	27 of 59 (46%)	54
Chin/Jawline	Dissimilar	40 of 58 (69%)	57
Neck	Dissimilar	30 of 59 (51%)	57
Facial Hair	Not Applicable	54 of 61 (89%)	6
Facial Lines	Dissimilar	48 of 59 (81%)	56
Scars	Dissimilar	47 of 60 (78%)	51
Facial Marks	Dissimilar	54 of 60 (90%)	57
Alterations	Not Applicable	29 of 52 (56%)	14

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Image Set Q5: Table 3.5

*Assigned Value for Q5: Different Source ** No consensus achieved. **

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	21 of 59 (36%)	50
Face/Head Outline	Similar	30 of 60 (50%)	58
Face/Head Composition	Similar	34 of 60 (57%)	58
Hair	Similar	52 of 60 (87%)	59
Forehead	Unable To Compare	40 of 61 (66%)	18
Eyebrows	Dissimilar	24 of 61 (39%)	47
Eyes	Dissimilar	19 of 60 (32%)	55
Cheeks	Similar	32 of 59 (54%)	57
Nose	Dissimilar	19 of 61 (31%)	57
Ears	Unable To Compare	53 of 61 (87%)	4
Mouth	Similar	21 of 60 (35%)	56
Chin/Jawline	Similar	30 of 60 (50%)	59
Neck	Dissimilar	23 of 60 (38%)	44
Facial Hair	Not Applicable	58 of 61 (95%)	1
Facial Lines	Dissimilar	18 of 59 (31%)	42
Scars	Not Applicable	33 of 59 (56%)	10
Facial Marks	Dissimilar	21 of 57 (37%)	30
Alterations	Not Applicable	40 of 55 (73%)	10

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Image Set Q6: Table 3.6

Assigned Value for Q6: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	49 of 60 (82%)	55
Face/Head Outline	Similar	53 of 59 (90%)	59
Face/Head Composition	Similar	57 of 61 (93%)	61
Hair	Similar	56 of 61 (92%)	60
Forehead	Unable To Compare	48 of 62 (77%)	11
Eyebrows	Similar	21 of 61 (34%)	42
Eyes	Similar	39 of 62 (63%)	61
Cheeks	Similar	46 of 60 (77%)	57
Nose	Similar	51 of 62 (82%)	61
Ears	Similar	43 of 62 (69%)	56
Mouth	Similar	26 of 60 (43%)	54
Chin/Jawline	Similar	46 of 62 (74%)	61
Neck	Similar	31 of 59 (53%)	54
Facial Hair	Not Applicable	54 of 61 (89%)	6
Facial Lines	Similar	28 of 60 (47%)	46
Scars	Similar	47 of 61 (77%)	52
Facial Marks	Inconclusive	17 of 59 (29%)	46
Alterations	Not Applicable	46 of 55 (84%)	8

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Image Set Q7: Table 3.7

*Assigned Value for Q7: Different Source ** No consensus achieved. **

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	39 of 60 (65%)	56
Face/Head Outline	Inconclusive	16 of 60 (27%)	45
Face/Head Composition	Inconclusive	16 of 60 (27%)	45
Hair	Dissimilar	40 of 62 (65%)	59
Forehead	Dissimilar	33 of 61 (54%)	56
Eyebrows	Unable To Compare	31 of 60 (52%)	27
Eyes	Unable To Compare	41 of 60 (68%)	17
Cheeks	Dissimilar	22 of 60 (37%)	52
Nose	Dissimilar	21 of 60 (35%)	50
Ears	Unable To Compare	20 of 61 (33%)	40
Mouth	Inconclusive	19 of 60 (32%)	45
Chin/Jawline	Dissimilar	18 of 61 (30%)	51
Neck	Unable To Compare	50 of 62 (81%)	9
Facial Hair	Not Applicable	29 of 58 (50%)	10
Facial Lines	Dissimilar	27 of 60 (45%)	50
Scars	Not Applicable	37 of 60 (62%)	6
Facial Marks	Not Applicable	22 of 58 (38%)	15
Alterations	Not Applicable	40 of 57 (70%)	14

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Image Set Q8: Table 3.8

Assigned Value for Q8: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	51 of 60 (85%)	58
Face/Head Outline	Similar	60 of 60 (100%)	60
Face/Head Composition	Similar	59 of 60 (98%)	60
Hair	Similar	44 of 61 (72%)	57
Forehead	Similar	57 of 59 (97%)	57
Eyebrows	Similar	60 of 61 (98%)	61
Eyes	Similar	62 of 62 (100%)	62
Cheeks	Similar	62 of 62 (100%)	62
Nose	Similar	62 of 62 (100%)	62
Ears	Similar	29 of 61 (48%)	34
Mouth	Similar	62 of 62 (100%)	62
Chin/Jawline	Similar	60 of 62 (97%)	62
Neck	Unable To Compare	46 of 62 (74%)	15
Facial Hair	Not Applicable	59 of 62 (95%)	2
Facial Lines	Similar	56 of 61 (92%)	56
Scars	Similar	50 of 61 (82%)	50
Facial Marks	Similar	56 of 61 (92%)	56
Alterations	Not Applicable	39 of 54 (72%)	13

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Image Set Q9: Table 3.9

Assigned Value for Q9: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	54 of 60 (90%)	58
Face/Head Outline	Similar	59 of 60 (98%)	59
Face/Head Composition	Similar	57 of 60 (95%)	60
Hair	Similar	48 of 61 (79%)	55
Forehead	Similar	56 of 62 (90%)	60
Eyebrows	Similar	61 of 62 (98%)	62
Eyes	Similar	58 of 61 (95%)	61
Cheeks	Similar	45 of 61 (74%)	59
Nose	Similar	62 of 62 (100%)	62
Ears	Similar	60 of 62 (97%)	61
Mouth	Similar	52 of 61 (85%)	60
Chin/Jawline	Similar	62 of 62 (100%)	62
Neck	Similar	48 of 60 (80%)	51
Facial Hair	Not Applicable	48 of 61 (79%)	13
Facial Lines	Similar	47 of 58 (81%)	52
Scars	Not Applicable	43 of 61 (70%)	17
Facial Marks	Similar	54 of 62 (87%)	54
Alterations	Not Applicable	23 of 55 (42%)	32

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Image Set Q10: Table 3.10

Assigned Value for Q10: Different Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Dissimilar	28 of 61 (46%)	58
Face/Head Outline	Dissimilar	40 of 60 (67%)	60
Face/Head Composition	Dissimilar	42 of 61 (69%)	61
Hair	Dissimilar	41 of 62 (66%)	59
Forehead	Dissimilar	45 of 63 (71%)	63
Eyebrows	Dissimilar	48 of 61 (79%)	61
Eyes	Dissimilar	55 of 63 (87%)	63
Cheeks	Dissimilar	40 of 59 (68%)	57
Nose	Dissimilar	58 of 63 (92%)	63
Ears	Dissimilar	37 of 62 (60%)	50
Mouth	Dissimilar	49 of 63 (78%)	61
Chin/Jawline	Dissimilar	56 of 63 (89%)	63
Neck	Dissimilar	45 of 60 (75%)	59
Facial Hair	Not Applicable	52 of 63 (83%)	9
Facial Lines	Dissimilar	49 of 59 (83%)	57
Scars	Not Applicable	47 of 62 (76%)	13
Facial Marks	Dissimilar	57 of 61 (93%)	57
Alterations	Not Applicable	25 of 57 (44%)	31

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Image Set Q11: Table 3.11

Assigned Value for Q11: Common Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	44 of 61 (72%)	57
Face/Head Outline	Similar	61 of 62 (98%)	62
Face/Head Composition	Similar	58 of 62 (94%)	62
Hair	Similar	49 of 60 (82%)	58
Forehead	Similar	57 of 63 (90%)	63
Eyebrows	Similar	61 of 63 (97%)	63
Eyes	Similar	23 of 61 (38%)	40
Cheeks	Similar	57 of 60 (95%)	60
Nose	Similar	63 of 63 (100%)	63
Ears	Similar	48 of 62 (77%)	53
Mouth	Similar	47 of 61 (77%)	61
Chin/Jawline	Similar	58 of 61 (95%)	61
Neck	Similar	49 of 60 (82%)	56
Facial Hair	Not Applicable	56 of 63 (89%)	3
Facial Lines	Similar	51 of 61 (84%)	57
Scars	Not Applicable	20 of 62 (32%)	25
Facial Marks	Unable To Compare	27 of 60 (45%)	26
Alterations	Not Applicable	25 of 55 (45%)	26

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Image Set Q12: Table 3.12

Assigned Value for Q12: Different Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Dissimilar	30 of 61 (49%)	58
Face/Head Outline	Dissimilar	37 of 62 (60%)	62
Face/Head Composition	Dissimilar	42 of 61 (69%)	61
Hair	Dissimilar	23 of 62 (37%)	60
Forehead	Unable To Compare	46 of 63 (73%)	16
Eyebrows	Dissimilar	35 of 63 (56%)	57
Eyes	Dissimilar	47 of 63 (75%)	63
Cheeks	Dissimilar	53 of 62 (85%)	61
Nose	Dissimilar	59 of 63 (94%)	62
Ears	Unable To Compare	54 of 64 (84%)	3
Mouth	Dissimilar	43 of 61 (70%)	61
Chin/Jawline	Dissimilar	47 of 63 (75%)	62
Neck	Dissimilar	46 of 63 (73%)	61
Facial Hair	Not Applicable	57 of 62 (92%)	4
Facial Lines	Dissimilar	50 of 62 (81%)	58
Scars	Not Applicable	51 of 61 (84%)	6
Facial Marks	Dissimilar	49 of 62 (79%)	56
Alterations	Not Applicable	27 of 58 (47%)	26

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Image Set Q13: Table 3.13

Assigned Value for Q13: Different Source

Facial Feature	Most Reported Observation	Percent Reported	# of Participants Citing Feature *(Reported Similar, Dissimilar, Inconclusive)*
Skin	Similar	36 of 60 (60%)	58
Face/Head Outline	Dissimilar	48 of 61 (79%)	60
Face/Head Composition	Dissimilar	42 of 61 (69%)	60
Hair	Dissimilar	24 of 62 (39%)	59
Forehead	Dissimilar	45 of 63 (71%)	63
Eyebrows	Dissimilar	55 of 63 (87%)	63
Eyes	Dissimilar	54 of 63 (86%)	63
Cheeks	Dissimilar	39 of 62 (63%)	61
Nose	Dissimilar	63 of 63 (100%)	63
Ears	Unable To Compare	36 of 61 (59%)	20
Mouth	Dissimilar	37 of 62 (60%)	58
Chin/Jawline	Dissimilar	46 of 62 (74%)	60
Neck	Dissimilar	53 of 63 (84%)	62
Facial Hair	Not Applicable	54 of 62 (87%)	8
Facial Lines	Dissimilar	53 of 61 (87%)	57
Scars	Not Applicable	44 of 60 (73%)	15
Facial Marks	Dissimilar	53 of 61 (87%)	56
Alterations	Not Applicable	34 of 57 (60%)	22

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Detailed Feature Observations

TABLE 4 - Image Set Q1

Image Set Q1: Table 4.1(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar skin tone and texture
34T74N	Similar	
3LFL7K	Similar	The skin in similar in texture and color, despite lighting differences. On the known subject, there appears to be more makeup covering the visible freckles on the face, but the freckles can somewhat be seen on the forehead and appear consistent.
3M7MAM	Similar	Although the textures are alike, the skin tones differ.
4T9DRJ	Similar	Both images show many freckles
6JZ4ZJ	Similar	Luminance and color
7B6GQY	Similar	
7PHQBF	Similar	Skin tone between the unknown and known images appears to be similar.
89T2WX	Similar	Light skin tone.The differences in skin reflectance are considered to be caused by lighting conditions.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar skin tone and coloring
9GLTHW	Similar	smooth but slightly weathered texture and fair complexion with numerous facial marks dispersed throughout the entirety of the face is consistent; known has a slightly more tanned tonality, but this could be attributed to differences in sun exposure; although known has more shadowing present, which could be attributed to lighting differences, highlighting on the contours of the face (specifically on the forehead, nose, cheeks, and chin) is similar, indicating that the underlying musculature and bone structure is similar
9KFMFY	[Not Reported]	both Known(1)/Unknown(2) have similar lighter skin tone/texture; Known(1) appears to have slightly redder tone to skin which can be from difference in lighting/sun exposure
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Overall texture and tone are consistent with each other
BZH38T	Dissimilar	Skin tone is dissimilar because of lighting.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Similar	freckling/marks throughout consistent
DA6QFC	Similar	

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Image Set Q1: Table 4.1(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Skin – Both subjects have fair skin has freckles throughout face but heavily concentrated in cheeks and across nose. Subjects appears to have even/smooth texture warm fair skin tone. Known has normal to oily skin in t-zone areas Known has some red undertones in cheek ears while Unknown is more neutral. These differences may be attributed to the lighting and quality differences in images.
EGYH2B	Inconclusive	Lighting, Composition
ELRHHR	Similar	same texture, color, and facial marks
FBEYWM	Similar	
FZRJT8	Similar	The skin appears similar between the known and unknown. The known's skin tone is slightly darker, but the lighting in the known's image is less bright as well and being uneven from above casting shadows across her face.
H2WQ96	Similar	Texture and tone are similar. Skin of known appears more tan.
HFB7XM	Similar	
HRQ6L4	Similar	similar hue and texture accounting for difference in lighting.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion and tone. Similar facial marks.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in light color. Texture is not similar. The unknown's texture and beauty marks are more visible. Luminance on the face is similar in location/shape.
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar skin tone and texture.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	tone appears darker in the known due to lighting, texture is similar, freckles throughout face are similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	The skin of the known and unknown is equal in light color tone, smooth texture and complexion. Unknown image has more scattered, small visible marks/freckles than known. There are slightly different lighting conditions with the know image having a warmer tone and the unknown image a cooler tone. Both appear to be thin in weight and have thin skin texture.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears dissimilar in tone, darker in K than U, may be due to lighting; overall texture appears smoother on K, may be due to quality.

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Image Set Q1: Table 4.1(a) - Skin

WebCode	Observation	Feature Notes
PRMQFV	Similar	Known and unknown have a fair complexion, unknown appears to be slightly lighter, possible due to the difference in lighting. The texture of the skin is fairly smooth on both subjects, little to no roughness. Freckles throughout both subject's face, found in more abundance and more prominent on the unknown.
PVM3BV	Similar	The complexion of the skin appears to differ slightly - the known appears to be more tan compared to the lighter white complexion of the unknown. The texture of the skin and the density of the freckle like marks appear to be consistent between subjects.
PWHKDW	Similar	similar skin tone, fair/light
PWYRHE	Similar	same color
PX9LGZ	Similar	The skin texture is similar. Freckles are visible. The tone is slightly different, possibly due to lighting conditions.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	Both subjects appear with a similar light skin tone with differences in hue/tan which is likely due to exposure, imaging conditions, etc. The skin texture is similar on both however looks more prevalent on the unknown due to the difference in tanning/lighter skin tone.
QYFHZU	Similar	Color and tone are consistent
R273NE	Similar	Both have similar tone and texture and both have freckle specks on forehead and cheeks.
TBLBPC	Similar	freckles
U6E77R	Similar	similar color and texture
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar texture, similar appearance of freckles. Known's skin looks darker, could be due to the difference in lighting or to tanning/sunless tanner.
XQMJNP	Similar	The lighting is different between the known and unknown, causing the known skin to appear slightly darker. Both subjects have pale skin with small freckles throughout.
XTNLEQ	Similar	• Overall Texture • Overall Tone
XYERF8	[Not Reported]	Similarities: Overall skin appearance: texture - Dissimilarities: Overall skin appearance: tone (potentially due to lighting)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q1 Skin		Total Participants: 61
Response	Percent Reported	
Similar	57 (93.4%)	
Dissimilar	1 (1.6%)	
Inconclusive	1 (1.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	2 (3.3%)	

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Image Set Q1: Table 4.1(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall squared off oval face shape; similar flat cranial vault shape
34T74N	Similar	
3LFL7K	Similar	The shape of the head on both the known and unknown subjects is consistent, including the cranial vault
3M7MAM	Similar	The facial structures are nearly identical.
4T9DRJ	Similar	Similar shape of head and outline
6JZ4ZJ	Similar	Overall shape of face
7B6GQY	Similar	
7PHQBF	Similar	The unknown image and the known face outline appears to be similar. Both looks to have a circular face outline.
89T2WX	Similar	Changes in the contours of the lower face result from different expressions.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The bridge of the nose in relation to both right and left canthus is consistent. The ear placement/location in relation to the brows is similar.
9GLTHW	Similar	rounded shape of the cranial vault appears to be similar; oval, egg-like shape of the face is consistent with the face narrowing as the chin is approached
9KFMFY	Similar	similar shape to face/head outline
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Both have an oval shaped head with a similar sized cranial vault
BZH38T	Similar	The overall shape is similar.
CKPXLT	Similar	Similar face shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	[Not Reported]	Face/Head Outline – Subjects has a rounded square-ish head outline that of an elongate upside down pentagon with rounded edges. Correcting for neutral expression change in chin of subjects Unknow could be a pentagon outline as well just not as elongated.
EGYH2B	Similar	
ELRHHR	Similar	same gemotric shape around forehead, chin, cheeks and jawline
FBEYWM	Similar	

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Image Set Q1: Table 4.1(b) - Face/Head Outline

WebCode	Observation	Feature Notes
FZRJT8	Similar	The face/head outline appears similar between the known and unknown.
H2WQ96	Similar	Face is similar oval shape.
HFB7XM	Similar	Protruding chin. Face on known appears more rounded and shorter. Might be due to expression.
HRQ6L4	Similar	similar length, width, and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Similar oval shape, narrow facial outline, squared jawline. Cranial vaults appear similar.
JL2M67	Similar	
K3KWNM	Similar	Face and head are similar in rectangular shape. The cranial vault is similar in shape/width
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Both known and unk have similar overall cranial vault shape.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	head appears wider in the known due to expression/weight, overall head shape is similar, face outline appears different due to expression
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	The general, overall outline of both known and unknown's face is oval and equal in width and length.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears similar; Overall shape of the face appears slightly more narrow in K, may be due to weight.
PRMQFV	Similar	The shape of the head is similar, both known and unknown have an oval shaped head. The unknowns head appears to be longer. Possibly due to the difference in expressions.
PVM3BV	Similar	general outline of the face/head appear to be similar in shape between subjects
PWHKDW	Similar	
PWYRHE	Similar	midcephalon
PX9LGZ	Similar	Similar oval shape.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The face/head outline appears to be similar with a squared cranial vault, wider section around the cheekbones, and a thinner squared chin.
QYFHZU	Similar	The overall shape and size are consistent

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Image Set Q1: Table 4.1(b) - Face/Head Outline

WebCode	Observation	Feature Notes
R273NE	Similar	Both have similar head shapes which are blocky almost rectangular more than circular
TBLBPC	Inconclusive	grin changes the shape of the face
U6E77R	Similar	similar oval shape
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar rectangular/square face shape. Known's head looks more square, but could be due to wide smile. Similar rounded cranial vault shape.
XQMJNP	Similar	Both subjects have a similar head shape.
XTNLEQ	Similar	-Shape of Cranial Vault • Portrait Contour • Profile Contour
XYERF8	[Not Reported]	Dissimilarities: Overall shape of the face (potentially due to expression and pose) - Not comparable: Shape of the cranial vault (not visible)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Face/Head Outline	Total Participants: 62
Response	Percent Reported
Similar	60 (96.8%)
Dissimilar	1 (1.6%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q1: Table 4.1(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar proportion and relative location of facial features that are visible for comparison
34T74N	Similar	
3LFL7K	Similar	The face/head composition is consistent between the two subject including the distances between the eyes and ears, the distance between the eyes and forehead, and the length and width of the face overall.
3M7MAM	Similar	Facial features are proportionally and positionally consistent.
4T9DRJ	Similar	
6JZ4ZJ	Similar	Features overall similar
7B6GQY	Similar	
7PHQBF	Similar	The intercanthal distance of the eyes appears to be similar between the probe and candidate. The distance of the eyes to the eyebrows appears to be similar between the probe and candidate. The distance from the nasal base to the upper lip appears to be similar between the probe and candidate.
89T2WX	Similar	Proportional changes occur due to different expressions, but the positional relationships of the eyebrows, eyes, nose, and ears can still be observed to be similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Approx. width and length of the nose is consistent and there is a bulge in the same location towards the top half of the bridge of the nose, that is consistent in both known and unknown images. Tip of the ear location is on the sides of the head in relation to the brows is similar.
9GLTHW	Similar	configuration, alignment, and size of the visible facial features is consistent with respect to each other and their location on the face
9KFMFY	Similar	similar distance from lower lip to chin; similar intercanthal distance; visible position of upper and lower parts of left ear relative to eyes appears similar
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Facial features are in the same relative position and approximately the same proportion
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Inconclusive	Similar eye to eyebrows, eyebrows to hairline, lower lip to chin relative distance. Dissimilar nose and mouth width relative to the eyes and upper lip to nose base relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	

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Image Set Q1: Table 4.1(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Face/Head Composition – Facial features are concentrated to the lower 2/3rd of Known's face with consistent distance and/or spacing among most features.
EGYH2B	Similar	
ELRHHR	Similar	same in how they are positioned and framed
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition appears similar. The eyes, nose, and mouth are all of similar size, shape, and distance from eachother.
H2WQ96	Similar	Proportions/positions of features on face is similar.
HFB7XM	Similar	Expression narrows philtrum.
HRQ6L4	Similar	similar positioning of features relative to other features, except for features affected by smiling expression.
HUCPQ8	Similar	
HYQFYM	Similar	Intercanthal and interpupillary distances appear similar. Nose, mouth and chin appear similar.
JL2M67	Similar	
K3KWNM	Similar	Face is similar in length/width. Features are similarly placed on the face. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance and Interpupillar distance is similar. Ears are placed on the head in a similar position. The nose is in a similar position relative to the forehead and chin. The mouth is in a similar position between the nose and chin.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Symmetry between both known and unk similar. Placement of features similar in both.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from nose to mouth is similar
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown images are close-up, frontal images that are clear images of good quality. The features of the face on both individuals are equally balanced within the facial plane and symmetrical in comparison of the facial plane of known to unknown. Each appears to be equal weight and age.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes appear similar in relation to length of face; eyes, nose, and ears appear similar in relation to each other; mouth to chin appear similar in distance.
PRMQFV	Similar	The nose to mouth distance is shorter on the known, possible due to the difference in facial expressions. Mouth in relation to the chin is similar.

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Image Set Q1: Table 4.1(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PVM3BV	Similar	The composition of the facial features appear to be consistent with regards to the size and shape relative to other features on both subjects
PWHKDW	Similar	
PWYRHE	Similar	provided
PX9LGZ	Similar	Relative distances between facial features are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar asymmetric horizontal alignment made apparent by the eye placement. The vertical alignment appears to be similar on both subjects with the nasal tip being closer to the mouth than the eyes.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Features are in similar positions relative to the other features of face in probe and candidate.
TBLBPC	Similar	
U6E77R	Similar	similar composition/placement of eyes, ears, nose and mouth
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar eye spacing and position relative to face length. Similar distance from chin to lower lip relative to face length. Ear position in Unknown is higher, likely due to slight downward head tilt. Other composition differences are explainable due to expression differences (width of mouth, space from upper lip to nose)
XQMJNP	Similar	The facial features are spaced evenly on both subjects.
XTNLEQ	Similar	Approximate width of nose relative to eye distances Approximate distance from chin to lower lip relative to face length Eye position relative to face length
XYERF8	[Not Reported]	Similarities: Approximate distance from chin to lower lip relative to face length, Eye position relative to face length – Dissimilarities: Approximate distance from nose to upper lip relative to face length, Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Ear position relative to eyes, nose, and mouth - assessed from lower portion (potentially due to pose and expression)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q1 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	59 (96.7%)	
Dissimilar	1 (1.6%)	
Inconclusive	1 (1.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q1: Table 4.1(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar straight hair texture; similar reddish brown hair color; similar forehead hairline shape and symmetry; the known hair appears shorter, but possible that their hair is pulled up in a bun or pony tail
34T74N	Similar	
3LFL7K	Similar	The hair of both is consistent in texture and color. There is a style difference between the two photos, but not enough to cause significant difference.
3M7MAM	Similar	Similar hair color, but different hairstyle.
4T9DRJ	Similar	similar hair color and texture
6JZ4ZJ	Similar	Hair style looks different but its similar in color
7B6GQY	Similar	
7PHQBF	Similar	The hair color and texture between the probe and candidate appears to be similar. The hairlines also look to be similar as well.
89T2WX	Similar	Different hairstyles, but similar hair color, frontal hairline, hair density, and hair texture.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in color and texture and right side part. The knowns hair is pulled away from the face while the unknowns is down, but the hair growth pattern across the top of the forehead is consistent in both images.
9GLTHW	Similar	reddish-brown/ auburn-like hair color with highlights dispersed throughout is similar; despite differences in styling with known's pulled back and unknown's down, thickness along the cranium and sides appear to be similar; hairline shape along the sides and forehead is consistent
9KFMFY	Similar	Known(1)/Unknown(2) have similar color/texture to hair; Known(1) has hair pulled back while Unknown(2) has hair down; right hairline appears to follow similar shape/curve; forehead hairline appears to have similar curve with similar position of slight peak toward center of forehead
9U4MPG	Similar	Color, shape hairline and direction
AKVB9D	Similar	similar color/texture, different styles, similar hairline dip at center
B2Z6FC	Similar	Hair is similar in texture and color. Hairline and part are similar in both. Hair growth pattern is similar
BZH38T	Similar	The hair texture and color are similar.
CKPXLT	Similar	Similar hair tone. Side and forehead hairline, cow lick and widow's peak shape.
CUYZ8T	Similar	
D2QZYQ	Similar	some highlighting in known, different part
DA6QFC	Similar	

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Image Set Q1: Table 4.1(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Hair – Hairstyles in subject's differ but hair color is consistent. Subjects appear to have highlights .5 inch from roots of her the natural left side of hair part which is in the same location. Consistent almost heart-shaped hairline including slight widows peak that is left of mid-line and visible scalp in frontal area. Baby hairs of individuals and flyways appear to have the same growth pattern direction. Hair texture is thicker in Unknown or denser than Known's which may be attributed to products used and/or time since styling. Both subject's have straight hair that is reddish brown in color, auburn not an actually red-headed. Known's hair length cannot be deduced due to individual wearing hair up awhile Unknowns is well past subject's shoulders.
EGYH2B	Similar	
ELRHHR	Similar	same texture and color
FBEYWM	Similar	
FZRJT8	Similar	The hair texture and color appears similar between the known and the unknown. The known's hair appears to be pulled back behind her head, and the unknown's hair is straight and down past her shoulders.
H2WQ96	Similar	Texture is similar. Known's hair color is a little lighter and styled up. Hairline is similar.
HFB7XM	Similar	Small widow's peak. Similar texture and color.
HRQ6L4	Similar	similar positioning, style, color, length, density, and texture.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hairline is similar in size/shape/contour. Hair does not appear similar. Unknown hair appears more red. Known appears more blonde. Hair texture and type appear similar. Length cannot be compared due to the Known's hair being pinned behind the head.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Hair coloring and texture similar. Hairline and hair growth patterns very similar across both known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	color of hair is similar, hairstyle is dissimilar – known is pulled back and up while the unknown is down, hairline is similar, texture is similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	

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Image Set Q1: Table 4.1(d) - Hair

WebCode	Observation	Feature Notes
PD3BCW	Similar	Both known and unknown have similarly colored, medium-dark, brown hair with a reddish tone. The hair on the known image is pulled back away from the face and has a part that is on the left side of the head. Unknown's hair is resting along the sides of the head, some of the hair is tucked behind each ear and is a little longer than shoulder length. Unknown's hair also parts to the left in a similar manner as known's hair. Both have equally straight hair that is also consistent in thinness and texture. The hair at the hairline is thin and individual strands of hair are distinguishable. There is a natural split and/or part on the right side in which the growth of the hair at the hairline curves across to the left and curves down to the right side of the head in an equal fashion.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Hair appears similar in color and texture; length appears dissimilar, may be due to style; right side hairline, forehead hairline, and left side hairline all appear similar in shape.
PRMQFV	Similar	Tone of the hair is similar, reddish brown on both known and unknown. The texture of the hair also appears to be similar, straight on both subjects. Curvature of the hairline is similar, rounded on both subjects. Fullness of the hair is similar. Style of the hair is dissimilar, knowns is pulled back and the unknowns is down. Unknown has a part on the right side, not as visible on the known.
PVM3BV	Similar	the hair appears to be similar in brownish red color and texture, the hairline of the subjects appears similar other than the difference in the parting location on the right side of the face; the unknown has a more prominent part in this location
PWHKDW	Similar	reddish hair, same part
PWYRHE	Similar	same hair color
PX9LGZ	Similar	Similar tone, texture and hairline.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The hairline appears to be similar with generally flat temple peak areas, a slight widows peak, and a raised corner where the subjects part their hair. The subjects both appear to have brunette/reddish hair color. The texture of the hair appears similar.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Similar	Both have similar hair color and texture though known has hair up in back and unknown has hair down around shoulders. Frontal hairline curvatures are similar between the two.
TBLBPC	Similar	
U6E77R	Similar	similar color and texture
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	

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Image Set Q1: Table 4.1(d) - Hair

WebCode	Observation	Feature Notes
XPRZMN	Similar	Similar hair texture and distribution of density, similar auburn color (appears colored), similar hairline shape, similar right-side parting.
XQMJNP	Similar	Both subjects have hair that is light brown with red tones. Known hair is pulled back into a ponytail, but appears to be straight. Unknown hair is long (past shoulders) and straight.
XTNLEQ	Similar	Forehead Hairline -Hairline Right Side -Hairline Left Side
XYERF8	[Not Reported]	Similarities: Hair: texture, symmetry, density, tonality, Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape - Dissimilarities: Hair: shape/spatial distribution (potentially due to difference in styling) - Not comparable: Cranial baldness pattern: shape, distribution (not visible)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Hair — Total Participants: 62

Response	Percent Reported
Similar	61 (98.4%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.6%)

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Image Set Q1: Table 4.1(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar forehead height and width; similar brow ridge prominence; similar frontal lines in shape, location and prominence; both individuals have a similar, prominent scar or crease that is short in between the prominent frontal lines above the right eye
34T74N	Similar	
3LFL7K	Similar	The foreheads are very similar, especially the creases and appearance of freckles, though somewhat reduced on the known subject.
3M7MAM	Similar	Wide forehead.
4T9DRJ	Similar	similar hair line, notable creases in agreement, freckles or marks in agreement
6JZ4ZJ	Similar	Similar in upper crease in additional crease lines
7B6GQY	Similar	
7PHQBF	Similar	The contour of the forehead between the probe and candidate appears to be similar. The length of the width of the forehead looks to be consistent between the two images.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Same width across the forehead. The distance from top of the brows to the hairline appears consistent. The frontal creases line up and are in the same placement. There is a consistent possible scar or short crease on the right side that is consistent on the known and unknown images.
9GLTHW	Similar	relatively flat contour with curved edges, smooth musculature, and non-prominent brow ridge is similar; dome-like shape, width, and height are similar; depth/prominence, location, shape, and various lengths of the three frontal lines are consistent; there is a minute, linear indentation/ scar-like mark above the middle frontal line, aligned with the medial end of the right brow, that is consistent
9KFMFY	Similar	similar relative width/height of forehead; similar brow ridge prominence
9U4MPG	Similar	
AKVB9D	Similar	wide, flat in appearance
B2Z6FC	Similar	Same shape and relative height. Both barely have a brow ridge
BZH38T	Similar	The width of the forehead and forehead hairline are similar.
CKPXLT	Similar	Similar forehead width and height.
CUYZ8T	Similar	
D2QZYQ	Similar	three creases and one scar consistent in location and relationship
DA6QFC	Similar	

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Image Set Q1: Table 4.1(e) - Forehead

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Forehead – Consistent trapezoid shaped seen in subjects' who both several faint freckle, mole, and/or mark visible that are consistent in both individuals. There is a freckle, mole, and/or mark in line with subject's widows peak about half down of forehead. Another freckle, mole, and/or mark can be found about an inch left of the first, closer to hairline, and in line with subjects' iris. The last is about 2 inches from the first, closer to subject eyebrow, and in line with lateral canthus of left eye. These freckle, mole, and/or mark are the same in location, size, and distance from each other and would form a similar triangles if connected. Faint crease in center of forehead is not completely straight, downward leaning from right to left. Subject have another about an inch from the first that appears broken at midline but would form a wide V. On the right side of this crease a facial mark, depression, scar, and/or indentation sits on crease in line of right medial eyebrow. All these marking are on consistent, only visible dissimilarity is Known's protruding upper half of forehead has two noticeable nodes illuminated in this area of subject's forehead on either side of midline just below hairline.
EGYH2B	Similar	
ELRHHR	Similar	same geometric analysis
FBEYWM	Similar	
FZRJT8	Similar	The forehead of the known and unknown appear of similar size and shape. They both have similar frontal lines, as well as similar facial marks.
H2WQ96	Similar	Height and width are similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar shape and size; similar brow ridge shape and continuity.
HUCPQ8	Similar	
HYQFYM	Similar	Appear similar in height, browline and visible frontal lines.
JL2M67	Similar	
K3KWNM	Similar	Forehead is similar in height/width/shape. Frontal lines are similar in quantity/shape/contour/location. Frontal bone is similar in shape/size/prominence/luminance.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Overall shapes in forehead very similar between known and unk. Both have similar creases which dip above the nasal root. Two horizontal creases which traveres the forhead are similar in both known and unk
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	overall size/shape is similar, frontal lines are similar in location/size, brow ridge is similar, mark on the left side is similar in size/location
LQZ4DH	Similar	Forehead shape
P6CLXG	Similar	

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Image Set Q1: Table 4.1(e) - Forehead

WebCode	Observation	Feature Notes
PD3BCW	Similar	Known and Unknown's forehead's are consistent in shape, shadowing, structure, width and length. There are 2 transverse frontal lines/creases across the forehead from the hairline to the brow ridge that are also consistent in length, width, depth, placement and shape. The lower forehead line has a break or split in the center that is equivalent between the 2 images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Forehead appears similar in relative height and width; similar frontal eminence present in both; similar facial marks in location, color, and size; similar frontal lines present in location, prominence, quantity, and depth; similar brow ridge prominence.
PRMQFV	Similar	Shape of the forehead is similar. The length of the forehead is similar. Similar level of protrusion. The luminance at the top of the forehead is consistent, two rounded light marks found on both subjects, more prominent on the known.
PVM3BV	Similar	the frontal creases found of the forehead appear to be consistent between subjects - the appears to be 3-4 prominent creases that follow a similar contour along the forehead. Some freckle like marks can be seen above the left brow that is present on both subjects and appears to be similar in shape and size along with the smaller freckle like marks
PWHKDW	Similar	creases are same length, position
PWYRHE	Similar	wrinkles on the forehead
PX9LGZ	Similar	The proportions and shape of the forehead are similar. Brow ridges are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The forehead appears to be large on both subjects and relatively flat. The lateral portions depress around the temples similarly. The brow ridge is slightly more prominent toward the lateral sections.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Similar	Both have similar size and shape and contouring of foreheads. Frontal lines are in similar positions and of similar curvatures in both.
TBLBPC	Similar	
U6E77R	Similar	similar length and width
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	same lines
XPRZMN	Similar	Similar forehead height and shape. Minimal contour. Brown ridges not prominent.
XQMJNP	Similar	Both subjects have a similarly shaped forehead. The facial lines on the forehead are in the same location and shape.
XTNLEQ	Similar	Forehead shape -relative height -relative width Brow ridges -continuity

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Image Set Q1: Table 4.1(e) - Forehead

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities: Forehead shape: relative height, relative width, slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Forehead	Total Participants: 62
Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q1: Table 4.1(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall shape and growth pattern/density; similar medial distance between the eyebrows; similar distance between the eyebrows and the eyes
34T74N	Similar	
3LFL7K	Similar	Though different in color, the eyebrows are very consistent in texture, shape and length.
3M7MAM	Similar	There are differences in eyebrow grooming levels.
4T9DRJ	Similar	Similar shape of eyebrows, color on unknown may be artificially dark
6JZ4ZJ	Similar	Similar in supra orbital margins and style of the eyebrow
7B6GQY	Similar	
7PHQBF	Similar	The growth pattern and thickness of the eyebrows between the probe and candidate appears to be similar.
89T2WX	Similar	Thin straight eyebrows with the left brow tail slightly higher than the right. The color varies due to makeup.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Not Applicable	Similar color and shape but the brows of the known are lighter in color than that of the unknown. The coloration difference could be due to coloring the brows or brow tint. The start of the brows in relation to the bridge of the nose appears consistent. Above the right brow there appears to be a consistent mark/freckle etc.
9GLTHW	Similar	length, relatively straight shape, thickness distribution (with medial ends thicker than lateral), position/distance above the eyes, and end locations with respect to the canthi are consistent; known's are consistent in color with head hair, whereas unknown's are a dark brown, however this difference could be attributed to the application of makeup
9KFMFY	Similar	similar shape/curve/thickness of eyebrows; similar distance between eyebrows
9U4MPG	Similar	
AKVB9D	Similar	curved inner portion that originate above medial canthus and tend to flare upwards/outwards an mid line of eye fissure and end outside of lateral canthus
B2Z6FC	Similar	both have thicker eyebrows that curve upwards towards the lateral part of the face. Similar distance from both eye canthus to the eye brow
BZH38T	Similar	The eyebrow shape and thickness are similar.
CKPXLT	Similar	Similar eyebrows shape, size and density.
CUYZ8T	Similar	
D2QZYQ	Similar	somewhat similar, lighter coloring in known and thinner in outside
DA6QFC	Similar	

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Image Set Q1: Table 4.1(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Eyebrows – Subjects has fairly straight eyebrows with soft curve in left brow which appears longer than right brow. Known eyebrows are thick hair in medial area and thin to lateral region. Distance between eyebrows and from eyebrows to eyes is similar in subjects. Known is squinting possibly due to expression of subject and Unknown is wearing mascara but even with this difference subjects eyelashes graze the medial portion of eyebrows at where an arch is typically located.
EGYH2B	Similar	
ELRHHR	Similar	same geometric measurements: length, position, density, and texture
FBEYWM	Similar	
FZRJT8	Similar	The eyebrows of the known and unknown are of similar size and shape. Although the unknown's are darker than the known's.
H2WQ96	Similar	Shape, size, hair density, and position are similar. Known's eyebrow color is a little lighter.
HFB7XM	Similar	
HRQ6L4	Similar	slightly different color; similar positioning, length, tilt, and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Eyebrows are similar in size/shape/location. They are both brown in color. The Unknown appears darker.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Eyebrow placement, hair growth, overall shapes are very similar. Known color is somewhat lighter/ more auburn than unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape is similar, color is darker in the unknown but is due to lighting, distance apart is similar, distance from eyes is similar
LQZ4DH	Similar	Right and left eyebrow
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown's eyebrows are consistent in placement, width and shape. Both known and unknown have similarly thin, medium brown colored eyebrows that also appear consistent in length from the inner corner to the tail/end near the lateral canthus and shape across the brow ridge
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyebrows appear similar in shape, thickness/density, width apart, where they start in relation to the medial canthi, and where they end in relation to the lateral canthi; appear dissimilar in color, may be due to intentional alterations.

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Image Set Q1: Table 4.1(f) - Eyebrows

WebCode	Observation	Feature Notes
PRMQFV	Similar	Growth pattern of the eyebrows are similar. The eyebrows are thin on known and unknown. Minimum arch on both subjects, more straight. The tail of the brows end in similar locations. Distance from the brows to the eyes are similar. Tone of the knowns eyebrows appear to be more reddish.
PVM3BV	Similar	the eyebrows appear to differ in color and thickness of growth, general shape of the brows appear to be similar. The difference in color and thickness can be explained by possible grooming
PWHKDW	Similar	similar shape, length
PWYRHE	Similar	same color
PX9LGZ	Similar	The eyebrows are narrow and straight.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The eyebrows appear to be thin on both subjects. The medial portion of the brows appears fuller than the lateral on both. The contour, placement, distance between, and upward lateral angle of the brows appear consistent between the subjects.
QYFHZU	Similar	The eyebrows are the same shape and size. The eyebrow color of the unknown is slightly darker than the known.
R273NE	Similar	Both have similar position above eyes, similar curvatures in both brows. Both have similar starting points at medial ends and ending points at lateral ends.
TBLBPC	Similar	differ in color, probably because of lighting
U6E77R	Similar	both eyebrows are very thin and straight (no arch)
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar width and length of eyebrows relative to eye size and head width. Brows are relatively flat with almost no arch. Lateral and medial eyebrow positions relative to lateral and medial canthi are similar. Hair density and length are similar. Brows are mostly symmetrical.
XQMJNP	Similar	Both subjects have thin eyebrows that are higher on the outer edges.
XTNLEQ	Similar	Right Eyebrow Shape • Size • Lateral eyebrow vertical end position relative to medial eyebrow vertical position • Vertical end position of lateral eyebrow relative to the lateral canthus • Vertical end position of medial eyebrow relative to the medial canthus • Horizontal end position of lateral eyebrow relative to lateral canthus • Horizontal end position of medial eyebrow relative to medial canthus • Conjoined left-right eyebrows • Density of hair within eyebrow and distribution of density • Hair details
XYERF8	[Not Reported]	Similarities: Shape, Size, Position, Density of hair, Hair details, Asymmetry - Not comparable: Conjoined (not observed)
XYJ9D7	Similar	

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Image Set Q1: Table 4.1(f) - Eyebrows

WebCode	Observation	Feature Notes
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Eyebrows	Total Participants: 62
Response	Percent Reported
Similar	61 (98.4%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.6%)

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Image Set Q1: Table 4.1(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Similar	eye color appears to be similar, but can not definitively tell due to lighting issues in the known (unknown has blue eyes and known appears to have dark eyes); similar overall shape, size, symmetry and orbital depth; similar shaped superior palpebral creases in both eyes; similar shaped and prominent medial canthi; the lateral canthi appear similar in shape, but more prominent in the known (consistent with expression difference); similar inferior palpebral creases in shape and prominence; similar crow's feet creases in shape with a little more prominence in the known (consistent with expression difference)
34T74N	Similar	
3LFL7K	Similar	The eyes on both are equidistant from each other and are very similar, to include the puffiness below the eyes. Also, the eyelids appear consistent, including the superior palpebral creases. The shape, size and color of the irises appear to be the same.
3M7MAM	Similar	Eyes are similarly shaped with longer eyelashes.
4T9DRJ	Similar	similar eye color and shape
6JZ4ZJ	Similar	Similar shape color of eyes
7B6GQY	Similar	
7PHQBF	Similar	The medial canthus of the left and right eyes appears to be similar as well as the lateral canthus of the left and right eyes. The overall shape of the eyes looks to be consistent between the two images.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar almond shape with blue eye coloring. The upper lids are very minimal and consistent. The canthus is angular and points down slightly, which is consistent between the images. The under eye bag/creases are consistent in placement and width
9GLTHW	Similar	approx. intercanthal distance, level alignment, and extreme degree of hoodedness are consistent; degree of curvature and prominence of the superior and inferior palpebral creases are similar; musculature along upper portion of the orbital drive above the lateral corner is similar; thickness of the area between the lower eyelid and inferior palpebral crease is consistent; length and distribution of the upper lashes is similar, however unknown's are darker, but this could be attributed to the application of mascara; overall almond-like shape, pointed canthi shape, and amount of caruncle visible for each eye is similar; known's fissure opening is slightly smaller, but this can be attributed to the smiling expression displayed; eye color appears to be similar, but it is difficult to compare due to the shadowing present on known's face
9KFMFY	Similar	eyes are slightly more narrowed for Known(1) than Unknown(2) due to difference in expression; shape/angle of left/right medial canthi similar; similar curve to left/right inferior palpebral creases; similar relative distance from left/right medial canthi from left/right medial ends of eyebrows; similar curve of left/right superior palpebral creases relative to left/right medial canthi; appear to have similar blue shade of irises
9U4MPG	Similar	Somewhat hard to compare due to different mimic/light but similar medial canthus and creases below eye fissure (lash line)

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Image Set Q1: Table 4.1(g) - Eyes

WebCode	Observation	Feature Notes
AKVB9D	Similar	intercanthal and interpupilary distance appear to be consistent. Areas of protrusion above lateral side of both eyes and prominent lower eyelid.
B2Z6FC	Similar	Intercanthal distance is similar. Similar size epicanthic fold. Shape of the medial canthus is similar
BZH38T	Similar	The superior palpebral crease on the top eyelid, the eye shape, and the area below the eye are similar.
CKPXLT	Similar	Similar eye shape, medial and lateral canthus shape and size, iris tone, superior and inferior palpebral crease shape, number and placement, upper eyelid density.
CUYZ8T	Similar	
D2QZYQ	Similar	similar coloring, fissure, creases
DA6QFC	Similar	
EGJRJR	[Not Reported]	Eyes – Subjects have blue almond shaped eyes with consistent pupil to iris to sclera ratio. Known is squinting possibly due to expression of subject, which may have lead to the significant amount of creases seen around eyes that are not visible in Unknown. Known has a depression, dimple or shadow from eyelashes that appear a half an inch from lateral canthus, with the right being more pronounced than the left. Even with this difference it is apparent that the distance between eyebrow to superior orbital groove and from superior orbital groove to upper eyelid is consistent. This is also visible in Both individuals left medial canthus have a shaper angle than right but left medial canthus is flesher. Subjects where lower eyelids are similar as are individuals' inferior orbital groove. Known has a larger lower eyelids than Unknow however the angle of inferior palpebral crease are similar.
EGYH2B	Similar	
ELRHHR	Similar	same eye shape, size, color, distance between lens, lashes, and eyebrows' position relative to eyes
FBEYWM	Similar	
FZRJT8	Similar	The known and unknown's eye appear to be of similar size, shape, and distance from eachother. The lighting of the known's image has shadows being cast over her eyes making it difficult to compare the color between the known and unknown, but they appear to be of similar color.
H2WQ96	Similar	Similar shape, size, position, intercanthal distance, interpupillary distance, and fissure opening. Similar superior palpebral furrow and protrusion of the lower lids. Known's eyes are more closed probably due to expression (smile). Similar length and fullness of lashes.
HFB7XM	Similar	Shape of eye fissures dissimilar due to expression.
HRQ6L4	Similar	similar size, color, spacing; similar shape and angle of medial and lateral canthus; similar contour of eye fissures and thickness of lower eyelids.
HUCPQ8	Similar	
HYQFYM	Similar	Oval fissure, somewhat narrow upper eyelid, distinct superior palpebral crease, light inferior palpebral crease similar.
JL2M67	Similar	

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Image Set Q1: Table 4.1(g) - Eyes

WebCode	Observation	Feature Notes
K3KWNM	Similar	Eyes are similar in size/shape. Medial canthus is similar in size/shape/contour. Eye fissure is similar in shape/contour. Lateral canthus is similar in shape. Superior palpebral crease is similar in length/location/shape/contour. Inferior palpebral crease is similar in length/location/shape/contour. Pupil is similar in blue color. Due to lighting the Known's eye color appears darker. Eyelashes are similar in color/length/shape. Infraorbital creases are similar in location/shape
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Eye color is similar. Shape of eyes is similar. Size of orbitals and eyes are consistent. Palpebral creases are consistent. Interpupillary distances are similar and seem consistent between known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape is similar, color is similar, sclera size/shape is similar, medial canthus is similar, inferior palpebral creases are similar, superior palpebral creases are similar, dark spot next to right eye is similar, crows feet are similar
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Similar	
PD3BCW	Similar	Both Known and Unknown's eyes are consistent in size, placement and color. Consistent contour of superior palpebral crease, inferior palpebral crease, medial canthus, lateral canthus and upper eyelid. The height of the superior orbital area appears consistent/equivalent between probe and candidate images. Tissue under the eyes has consistent fullness and fine creases. Both have equally long eyelashes that are also consistent in length, growth pattern, spacing and thickness. Both appear to have light colored eyes. The intercanthal distance is consistent. the lower eyelid and inferior palpebral crease is consistent in fullness, faint/fine lines and contour.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Intercanthal distance appears similar; interpupillary distance appears similar; eyes appear slightly larger in size on U, may be due to expression; overall shape of eyes appear similar; similar shape of medial canthi; similar shape of lateral canthi; similar amount of sclera present; similar size of iris and pupil; similar prominence/shape/angle of superior and inferior palpebral creases; similar eyelash length and lash details; infraorbital creases appear more prominent in U, may be due to lighting; similar size of periorbital eyelid area in both eyes; similar size in upper eyelid and lower eyelid.
PRMQFV	Similar	Distance between the eyes are similar. The Shape of the eyes are similar, appear to be almond shaped on both subjects. Prominence of the upper eyelids are similar. Medial canthus has a similar prominence and shape. Upper eyelashes are similar in length and fullness, lower lashes are more prominent on the unknown. The color of the eyes appear to be blue on known and unknown. Prominence of the eyes are similar.
PVM3BV	Similar	general shape of the eyes appear to be similar, the size of the eyes appears to differ which is likely due to the difference in expression between subjects, the palpebral creases and the 'crows feet' around the eyes appear to similar when considering the difference in expression
PWHKDW	Similar	both have blue eyes. eyes are same shape

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Image Set Q1: Table 4.1(g) - Eyes

WebCode	Observation	Feature Notes
PWYRHE	Similar	same color
PX9LGZ	Similar	The shape of the eyes are similar. Additionally, the eyelids are uncovered, and the lower eyelid is well distinguishable.
PY46H2	Similar	Limited by facial expression
Q49MUY	Similar	
QTWDAF	Similar	The eyes appear to have a similar asymmetry with the left eye being higher. The intercanthal distance appears to be similar. The eyes appear to be more deep-set on the known however this is likely due to the differences in flash/light exposure during the photo process. The bags under the eyes appear to have a similar shaping and fullness. The fissure of the eyes appears to have a similar rounded appearance with a pointed medial canthi on both subjects. There is evidence or periorbital lines on both subjects in a similar arrangement however they are more prevalent on the known due to the expression change.
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure and medial canthus is similar. The subject is smiling in the known image and the lateral canthus is not as visible. The upper and lower eyelids are similar with the inferior palpebral crease in common.
R273NE	Similar	Both have similar eye shapes and sizes in both eyes. Similar medial canthi shapes. Similar interpupillary distance between eyes. Similar under eye line positions and curvatures.
TBLBPC	Similar	
U6E77R	Similar	medial canthus is similar in shape in both eyes for both subjects. Lower eyelids are similar in prominence and shape
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar intercanthal distance, similar eye shape and neutral tilt, similar visibility of eyelid and of sclera, similar superior palpebral furrow shape and distance from eyebrows, similar fullness and size of lower eyelid, similar infraorbital furrow appearance. Eye area is quite symmetrical.
XQMJNP	Similar	Eyes appear similar between known and unknown.
XTNLEQ	Similar	Inter -Eye Distance Right Eye Fissure Opening Left Eye Fissure Opening Both eyes lower and upper lids Iris Sclera Medial Canthus
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Interpupillary distance, Eye fissure opening: shape, angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, position in relation to iris/pupil, lash characteristics, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, visibility of the infraorbital furrow, position in relation to iris/pupil, lash characteristics, Eyeball prominence, Sclera: visibility, Iris: visibility, diameter relative to eye opening, position relative to eye opening, Medial canthus: caruncle, shape, angle, Lateral canthus: shape, angle, Asymmetry – Not comparable: Iris: irregularity of iris (not observed)
XYJ9D7	Similar	
YGARYR	Similar	

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Image Set Q1: Table 4.1(g) - Eyes

WebCode	Observation	Feature Notes
YKTY67	Similar	

Features Observations Response Summary - Q1 Eyes		Total Participants: 61
Response	Percent Reported	
Similar	61 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q1: Table 4.1(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	the known's cheeks appear slightly more full (consistent with expression difference); similar location of cheekbones; the known has prominent dimples in the lower cheeks that aren't visible in the unknown (consistent with expression difference)
34T74N	Inconclusive	
3LFL7K	Similar	Both subjects have consistent cheeks in fullness, width, height and creases, with the exception of the dimples on the known. This difference is due to a change in expression between the two photos.
3M7MAM	Similar	Different facial expressions make cheeks appear more or less prominent.
4T9DRJ	Similar	hard to compare due to expression difference.
6JZ4ZJ	Dissimilar	Looks different in size comparing in both image
7B6GQY	Similar	
7PHQBF	Similar	The fullness of the cheeks appears to be dissimilar, but there is an expression difference between the two images. The candidate is smiling while the probe has neutral face expression.
89T2WX	Similar	Slight prominence of the cheekbones
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in width across the face/under the eyes. There are several consistent colorations/marks/freckles on the right check that is consistent. There appears to be a similar dimple on the right cheek of both the known and unknown images.
9GLTHW	Similar	shape, small size, and fullness are similar, although known's appear to be slightly fuller, which can be attributed to the smiling expression causing the musculature to protrude; placement, rounded shape, and distinct prominence of the cheekbones are consistent; known has a small, prominent, curved dimple on each cheek parallel with the center of the nasolabial folds that are not present on unknown, but this could be attributed to expression difference
9KFMFY	Similar	similar shape/prominence to cheeks; cheeks appear slightly more lifted for Known(1) than Unknown(2) due to expression difference
9U4MPG	Similar	Somewhat hard to compare due to different mimic/light
AKVB9D	Similar	dramatic difference in expression limits comprehensive comparison, dimples present in both subjects
B2Z6FC	Similar	Known has visible dimples due to expression. Both have similar cheekbone prominence
BZH38T	Similar	The position of the cheekbones is similar.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	due to expression, raised in known
DA6QFC	Inconclusive	

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Image Set Q1: Table 4.1(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Cheeks – Known has fuller cheeks than Unknown possibly due to expression of subject. Nasolabial fold angles are consistent but are prominent in Probe due to expression difference. Both individuals have a small freckle, mole, and/or mark consistent in shape and size on center of right cheek in line with end of eyebrow. Known has a dimple slanted slightly on left cheek in line with subject mouth that that appear more like shadows in Unknown possibly due to expression. Known has a deep right dimple slanted slightly and nasolabial fold that appear more like shadows in Unknown possibly due to expression
EGYH2B	Similar	
ELRHHR	Similar	same in shape, fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The known is smiling and the unknown has a neutral expression. The overall shape the cheeks appears similar, they also share similar facial marks.
H2WQ96	Dissimilar	Dimples observed on both left and right cheeks of the known that are not observed in the unknown. This is likely due to a change in facial expression.
HFB7XM	Similar	More protruding cheek on left side.
HRQ6L4	Similar	similar fullness accounting for difference in expression; similar shape and prominence of cheekbones.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in texture and fullness.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in round shape/size/location/prominence.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Difference of expression contribute to cheeks appearing dissimilar but are consistent with cheekbone placement. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	known cheeks are fuller due to expression, dimples are more visible in the known due to expression, height of cheeks is similar
LQZ4DH	Similar	Shape
P6CLXG	Similar	
PD3BCW	Similar	Known's eyes are open and have a happy expression with cheeks slightly raised. The unknown has a neutral facial expression, muscles of the cheeks are relaxed. The structural contour of the cheekbones is consistent. Cheeks are similar in weight and shape. Each known and unknown image has a small depression on each left and right cheek that is consistent with dimples
PGNVGZ	Inconclusive	

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Image Set Q1: Table 4.1(h) - Cheeks

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Zygomatic bones appear more prominent in U; soft tissue appears fuller in K, may be due to change in weight; dimple present on left cheek in both, but more prominent on K, dimple present in right cheek of K, may be due to expression.
PRMQFV	Similar	Fullness of the cheeks appear to be similar. More pronounced on the known, possibly due to the difference in expressions.
PVM3BV	Similar	general fullness of the cheeks appears to differ due to expression difference. Presence of buccalis creases in the cheek region appears to be similar on both subjects
PWHKDW	Similar	bone/structure similar
PWYRHE	Similar	wide, slightly prominent cheekbones
PX9LGZ	Similar	Similar in shape and proportions.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	On both subjects the upper portions of the cheeks appear to be fuller and have a similar shape. The cheeks continue downward and get thinner. The expression change makes the knowns cheeks appear fuller and the width to be wider.
QYFHZU	[No observations reported for this feature.]	
R273NE	Similar	Both have similar cheek shapes in both cheeks, similar protrusions at top of cheeks then indent down through cheeks at similar positions in both cheeks
TBLBPC	Inconclusive	
U6E77R	Similar	similar prominence and fullness
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Inconclusive	
XPRZMN	Similar	Cheek size and shape and consistent. Fullness is consistent. Known exhibits two dimples; not visible in Unknown possibly due to expression differences.
XQMJNP	Similar	Known is smiling and Unknown has a more neutral expression. Known cheeks are more pronounced due to expression.
XTNLEQ	Similar	Right cheekbone -prominence Right cheek shape Left cheek shape
XYERF8	[Not Reported]	Similarities: Cheekbone prominence – Dissimilarities: Cheek shape, Dimples (potentially due to expression)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q1 Cheeks		Total Participants: 60
Response	Percent Reported	
Similar	51 (85.0%)	
Dissimilar	3 (5.0%)	
Inconclusive	6 (10.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q1: Table 4.1(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall size and prominence; similar shaped and prominent nasion creases; similar width to the nasal root; similar nasal bridge in width, prominence and slight curve biased towards the left; similar shaped and prominent nasal tip; similar shaped nasal alae including attachment; similar width to the columella; the right nostril appears shaped slightly different or slightly larger, but could be due to expression difference pulling the tip of the nose slightly up thus making the nostrils more visible
34T74N	Similar	
3LFL7K	Similar	The noses of both appear consistent, to include the shape of the length and width, the shape of the nostrils, nasal base and bridge. There is a noticeable curvature on the right side of the nose just above the tip that is consistent in both photos. There is also a thin nasion crease laterally between the upper eyelids that is visible on both subjects.
3M7MAM	Similar	The nose bends slightly to the left.
4T9DRJ	Similar	mark or scar or bump on right side near bridge of nose.
6JZ4ZJ	Similar	Shape of nose looks similar with the nasal shape and bone
7B6GQY	Similar	
7PHQBF	Similar	The length and width of the nasal body appears to be similar between the probe and candidate. The nasal body of the candidate appears to have a slight bend of compared to the probe. This could just be the lighting making it appear that way. The shape of the nostrils between the probe and candidate appears to be similar between the two images. The thickness of the ala appears to be consistent as well.
89T2WX	Similar	The middle part of the nasal body curves to the left.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The width of the nostril and crease is similar. The tip of the nose is boxy and consistent and also the width and placement of the nasal base is consistent.
9GLTHW	Similar	overall shape, size, and degree of protrusion are similar; width and prominence of nasal root, uneven width, distinct crooked shape, and length of nasal body, asymmetrical rounded v-shape of nasal tip, and rounded shape, thickness, and attachment location of the alas are all consistent; known's nasal base and nostrils appear to be wider, but this can be attributed to the smiling expression displayed, as overall nostril shape appears to be similar; nasolabial folds are similar in angular shape, end locations, length, and close proximity to the mouth, however known's are more distinct due to expression difference
9KFMFY	Similar	nasal base/nostrils appear slightly more flared upward for Known(1) due to expression difference; similar shape of left/right alae; similar curve to nasal body; similar shape of nasal tip
9U4MPG	Similar	Shape nasal body
AKVB9D	Similar	similar concave curve along right side of nasal body.Similar offset nasal tip
B2Z6FC	Similar	both have a curve in the nasal body. Both have alas that are similar in width. Both have a similar shaped nasal root

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Image Set Q1: Table 4.1(i) - Nose

WebCode	Observation	Feature Notes
BZH38T	Similar	The shape of the nose is similar.
CKPXLT	Similar	Similar nose bridge, body, tip and columella shape, size and angle.
CUYZ8T	Similar	
D2QZYQ	Similar	similar curvature throush nose with notch mark on side in similar location and coloring
DA6QFC	Similar	
EGJRJR	[Not Reported]	Nose – Nasal body length is consistent in subjects as is overall shape and size. Known's nasal width appears thinner which may be attributed to subjects' expression and lighting. Subjects have a slight slant in nasal body, almost shaped like a comma. Asymmetrical short ala resulting in tear drop shaped nostrils, with the right being smaller than the left. Columella thicker than ala protrudes past nasal base and is left slanted.
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width and geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The nose is of similar size and shape. The nasal body has as similar bend in both. The known's ala appear to be flared wider because of her expression.
H2WQ96	Similar	Similar shape, lenghth, and width. There appears to be an area that is more concave on the right side of the nasal body. Tip of nose appears similar. Nasal base appears wider and nostrils appear wider in the known. This is likely due to facial expression.
HFB7XM	Similar	Similar bone structure. Asymmetrical nostril shape. Base appears wider on known due to expression.
HRQ6L4	Similar	similar width, shape, contour, and prominence of nasal root, body, tip, and alae. Similar positioning and shape of visible portions of nostrils and columella.
HUCPQ8	Similar	
HYQFYM	Similar	Similar narrow nasal root, body, tip and base. Narrow alas.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in a similar location on the face. Nasion crease is similar in location/shape/location. Nasal root is similar in width/length/shape. Nasal body is similar in length/width/shape. A nasal bump is similar in size/shape/location. The curvature between the nasal body and tip is similar. Nasal tip is similar in size/shape. Nasal base is similar in width. Ala are similar in size/shape/thickness. Columella is similar in width/location. Nostrils are similar in size/shape. Nasolabial folds are similar in shape/location
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Overall shape of nose is consistent between known and unk. Nasal root width and overall length of nose is similar. Nasolabial folds are consistent and distances to mouth are consistent across known and unk. (Sim)

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Image Set Q1: Table 4.1(i) - Nose

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size/shape of nose is similar, nasal base appears wider due to expression in the known, nostril shape/size is similar, columnella thickness is similar, ala thickness is similar, nasion crease is similar, bulge on the right side of bridge towards the top is similar, bridge is similar, nasal root is similar in shape/size, tip of nose is similar in shape/size
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	
PD3BCW	Similar	Nasal base is consistent in a pointy, triangular shape and prominence, ala is consistent in shape and thickness, nasal body is consistent in length, the nasal root appears to be a similar distance between the eyes. There are two, faint transverse nasal lines that appear to begin and/or are deeper on the right side of the nasal root and fade as they extend across to the left side and are consistent between Known and Unknown images. There are 2 small indentations on either side of the tip of the nose that is consistent on both known and unknown images. There is a slight bump or outward curve on the upper right side along the bridge of the nose that is consistent on both known and unknown images. The right side of the nasal ridge curves slightly inward just after the bump on the side of the nose, and then back out again as you follow the contour of the right side of the nose toward the tip.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Nasal root appears similar in width and prominence; nasal body appears similar in width, protrusion, length, deviation, and shape; nasal tip appears similar in shape and size; alae appear similar in thickness and shape; nostrils appear somewhat wider as well as nasal base on candidate, may be due to expression; columella appears to extend farther down in K, may be due to pose; facial marks on nose are similar in location/shape/size/color.
PRMQFV	Similar	Length and width of the nasal body is similar. Tip of the nose is bulbous on known and unknown. Curvature of the nostrils are similar. Slight curve in the nasal body, more prominent on the known. Left and right ala are found in similar locations.
PVM3BV	Similar	both subjects have a similar Asymmetrical nose that curves in similar manner, the nasolabial folds present on both subjects appear to follow similar contours from the mouth to the nose, the nasal tip and ala appear to be similar in shape and prominence
PWHKDW	Similar	
PWYRHE	Similar	Nasal dorsum Nasal deviation
PX9LGZ	Similar	The nose is similar in shape (slightly curved to the right) and size.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be depressed on both subjects. The nasal body has an irregular shaping with the upper portion being angled to the right and continuing down and the left. The nasal tip appears to be bulbous on in the middle. The right nostrils appear to be higher and less wide than the left on both subjects. The columella appears to have a similar thickness.

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Image Set Q1: Table 4.1(i) - Nose

WebCode	Observation	Feature Notes
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	Both have similar width at nasal root and down through body, similar nodule shape and position toward top of nasal body, both have similar nasal tip shape, ala shapes, and nostril shapes.
TBLBPC	Similar	
U6E77R	Similar	Nasal body similar length and width. nasal root similar width. both noses are slightly crooked. Nasal tip is small in both.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Nose has similar length, size, shape, and prominence. Similar nasal root width. Similar curve in nasal body. Similar rounded nasal tip. Nasal base appears wider in Known, but likely due to flared alae from smiling. Left nostril shape is consistent. Right nostril shape in Unknown is more arched. Columella width is similar.
XQMJNP	Similar	Bridge of nose has small "bump" on right side followed by an indent/ curve to the left on both subjects.
XTNLEQ	Similar	Nasal Outline (Profile and Front view) • Overall Shape • Length and width • Prominence • Symmetry Nasal Root (Bridge) • Front View: width, length, shape, depth • Profile View: length, depth, angle Nasal Body • Front View: width, length, shape, angle • Profile View: length, angle, contour Nasal Tip • Shape (in front and profile view) • Angle • Symmetry Nasal Base • Width • Height Nasal Base: Alae (Wings of Nose) • Thickness • Symmetry • Shape Nasal Base: Nostrils (Nasal Openings) • Shape and size of opening • Symmetry Nasal Base: • Width and length • Relative position • Symmetry
XYERF8	[Not Reported]	Similarities: Nasal outline: shape, length, width, prominence, Nasal root: width, length, shape, depth, angle, Nasal body: width, length, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, Columella: width, length, relative position, Asymmetry and deviation – Dissimilarities: Nasal outline: width, Nostrils: shape, size, Nasal alae: shape (potentially due to lighting and expression) – Not comparable: Nostrils: hair (not observed)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Nose	Total Participants: 62
Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q1: Table 4.1(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable to fully compare due to hair partially covering in both individuals; both individuals have ears pierced in similar location on the lobe; lobe shape, prominence and attachment appears to be similar, but difficult to fully compare; shape and appearance of lower anti-helix extending down into the lobe appears similar in the left ear; similar prominence to the anti-helix; the shape and thickness of the upper helix in the left ear appears to be similar
34T74N	Similar	Partially covered.
3LFL7K	Similar	The left ears of both are more visible that the right ears. The parts that are visible are very similar in shape, including the lobe and visible portion of what appears to be the antihelix, as well as the top of the helix.
3M7MAM	Similar	The visible parts of the ears have similar shapes.
4T9DRJ	Similar	likely, most of right ear is obscurred left ear is simlar shape.
6JZ4ZJ	Unable To Compare	hair covered
7B6GQY	Similar	
7PHQBF	Similar	Difficult to compare due to the hair partially covering the ears of the probe and candidate. The shape of the lobe looks to be similar between the probe and candidate. The possible shape of the antihelix could be similar but it difficult to compare
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	The thickness of the helix is similar and the placement of the ear in relation to the eye and brows appears similar. The protrusion of the tips of both ears appears similar. The outward curve of the anti-helix in the middle protrudes outward in similar fashion on both the known and unknown images.
9GLTHW	Similar	majority of unknown's right and upper portion of the left ear is obstructed by hair, as is the upper portion of known's left, therefore comparison is limited; overall shape, size, and degree of protrusion are similar; visible components on lower portion of left ear appear to be consistent, such as inferior concha shape and size, and shape, height, and thickness of anti-helix
9KFMFY	Similar	parts of ears not visible between Known(1)/Unknown(2) due to hair, particularly for Unknown(2) from the hair being down; what is visible of left upper helix appears to have similar curve; what is visible of left antihelix has similar shape/protrusion; overall size of ears relative face appears similar
9U4MPG	Inconclusive	Not fully comparable due imaging conditions/occlusion
AKVB9D	Unable To Compare	ears are predominately covered by hair and unable to fully compare
B2Z6FC	Similar	Unable to see full ear in either image. Similar ear protrusion on the left and right side. Appear to have similar lobe shape from what can be seen.
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Similar	Similar left ear lower antihelix shape and thickness, left ear lobe shape and size.

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Image Set Q1: Table 4.1(j) - Ears

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	both wearing earrings, earrings and hair cause some obsturction
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Ears – Known has more visible left ear than right due subject's hair for comparative analysis. Known left ear inferior crus of antihelix is y-shaped, protruding antihelix that conceals middle of subject's helix, along with a raised antitragus. Individuals' lobe attachment is not obvious, although left lobe is consistently visible in both subjects, ear position make analysis inconclusive. Both subjects appear to have ears piercing with similar tone jewelry, dissimilar size and style. Unknown ears are covered by subject's hair thus preventing analysis for comparison beyond pierced ears and consistent overall size.
EGYH2B	Similar	
ELRHHR	Unable To Compare	not visible enough
FBEYWM	Unable To Compare	
FZRJT8	Similar	Both the known and unknown's ears are partially obscured by hair, but the size and positioning appear similar on both.
H2WQ96	Similar	Similar in size and shape from what can be seen. Hair is covering partially in both known and unknown. Tips of ears seem to protrude the same amount and the antihelix of left ear appears similar.
HFB7XM	Similar	UC right ear.
HRQ6L4	Similar	visible portions of ears similar; left antihelix and antitragus similar shape and size.
HUCPQ8	Similar	
HYQFYM	Similar	Somewhat obscured by hair, distinct helix, inferior crus of antihelix.
JL2M67	Unable To Compare	
K3KWNM	Similar	Ears are in a similar location. Due to hair and angle it is hair to fully compare. The anti-helix of the left ear is similar in shape/location. Piercings are place in a similar location.
KEBXX2	Similar	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Complete comparison between known and unk is not possible due to hairstyle. But lobesin left ears are visible and seem consistent. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	some of ears are covered in both by hair, both have earring but are not the same earrings, ear lobes are attached and similar, size of ears from what is visible is similar, shape from what is visible is similar
LQZ4DH	Similar	Left ear: Lobule (Lobe)
P6CLXG	Similar	

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Image Set Q1: Table 4.1(j) - Ears

WebCode	Observation	Feature Notes
PD3BCW	Similar	Mostly covered by long hair on unknown image. Both known and unknown are wearing jewelry in/on the rt/lft earlobes. Appear consistent in size, shape, placement, and protrusion from head.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Some components of ears appear obstructed by hair in both the U and K; left antihelix and antitragus appear similar in inferior protrusion; width of concha appears similar from what is visible; left lobe appears similar in height; right lobe appears similar in height; left ear appears similar in protrusion; both ears appear to be pierced in U & K.
PRMQFV	Similar	Partially covered on known and unknown. Lobe of the left ear appears to have a similar curvature. Both subjects are wearing earrings. Overall size of the left ear is consistent. The antihelix appears to follow a similar curvature and prominence.
PVM3BV	Similar	the majority of the ears are covered on one subject or the other and are not accurately comparable - visible portion appears to be similar
PWHKDW	Inconclusive	paritally covered by hair therefore full comparison cannot be made
PWYRHE	Similar	compatible helix and antihelix lobe
PX9LGZ	Unable To Compare	Too little is visible for comparison.
PY46H2	Similar	Limited by perspective- full face
Q49MUY	Inconclusive	
QTWDAF	Similar	The upper portion of the helix on the right ear appears to have a similar angle and the general length appears similar, however the rest of the ear is covered by hair on the unknown. The left ear appears to have a similar angle upper portion of the helix, and the antihelix appears to be pronounced in a similar fashion on both. Both subjects have earrings.
QYFHZU	Similar	The right ear in both images are obscured by the subject's hair. Of what can be seen, the size and placement are similar. The subject's left ear cannot be seen completely but, they are similar in size and placement. The lobe and helix are similar.
R273NE	Similar	Know and unknown have similar ear positions on head, Similar protrusions from head, similar size and similar shape at top of helix in both ears. Both have some of their ear covered by hair but more than enough to compare.
TBLBPC	Inconclusive	partially obscured, different lens in camera
U6E77R	Similar	most of ears are covered with hair. Ear lobe holes are low for both. Left ears have similar helix shape.
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	Similar	
XPRZMN	Similar	Right upper ear is covered by hair in the Known. Right ear protrusion is dissimilar. Left lower antihelix is similar in shape, protrusion, and thickness. Left lobe length is similar. Asymmetrical placement of ear piercings is similar (piercing very low on left lobe and a bit higher on the right lobe). Ear length is similar.

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Image Set Q1: Table 4.1(j) - Ears

WebCode	Observation	Feature Notes
XQMJNP	Similar	Ears are partially visible on both subjects. Both subjects have earrings. The shape of the left ear appears similar.
XTNLEQ	Similar	Similarities in Left ear -lobe -Antihelix -Concha Right ear in Image B covered with hair UC
XYERF8	[Not Reported]	Similarities: (visible portions) Ear protrusion, Overall ear: size, shape, angle, Helix: size, shape, Antihelix: size, shape, Lobe: size, shape – Not comparable: Asymmetry, Tubercles: size, shape, quantity, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: attachment, Abnormalities (not visible/observed in one or both)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Similar	

Features Observations Response Summary - Q1 Ears

Total Participants: 62

Response	Percent Reported
Similar	43 (69.4%)
Dissimilar	0 (0.0%)
Inconclusive	7 (11.3%)
Unable to Compare	11 (17.7%)
Not Applicable	1 (1.6%)

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Image Set Q1: Table 4.1(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Similar	imilar overall size despite expression difference; the unknown has distinct upper lip alae peaks where the known's is more flat (consistent with expression difference); similar upper and lower lip fullness and prominence; similar creases lateral of the mouth on both sides
34T74N	Similar	
3LFL7K	Similar	The shape of the mouth is symmetric on both with thin lips, similar lines at the corners of the mouth, and a less prominent philtrum.
3M7MAM	Similar	The difference shows the known person's mouth open and the other's closed.
4T9DRJ	Inconclusive	smile vs resting face mouth hard to compare but not ruled out.
6JZ4ZJ	Similar	Upper lip and lower vermilion border
7B6GQY	Similar	
7PHQBF	Similar	The shape of the upper lips appears to be similar between the probe and candidate. The fullness of the upper lips also looks to be similar.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Differing expressions with the known having full open mouth smile and the unknown’s lips are together in a slight grin. The width of the lips appears consistent and the creases on either sides of the mouth appears consistent. The shape of the cupid’s bow is spread out and not very pointy in both images. Distance from upper lip to the nose appears consistent.
9GLTHW	Similar	known’s appears larger/ wider due to smiling expression displayed; despite known’s being stretched, shape and fullness of upper and lower lip is consistent; there is a facial mark along the right side of the lower vermillion border that is similar in minute size and dark color; unknown’s lips are a deeper pink color, but this could be due to the application of lipstick; fissure shape and philtrum characteristics can’t be compared due to expression difference and shadowing present on known
9KFMFY	[Not Reported]	difference in expression, mouth is open with wider smiling expression and upper teeth visible for Known(1) while Unknown(2) has mouth closed with more neutral smiling expression; appear to have similar slight upward curve to left/right corner of mouth; shape of upper vermilion border similar; appears to have similar shape to cupid’s bow; Known(1) has more prominent dimples than Unknown(2), can be more pronounced due to expression difference
9U4MPG	Similar	Somewhat hard to compare due to different mimic/light
AKVB9D	Unable To Compare	dramatic difference in expression does not allow for comprehensive comparison
B2Z6FC	Similar	Different expressions. Lower vermillion border is similar shaped in both. Top and bottom lips are similar is width.
BZH38T	Inconclusive	A conclusion cannot be made due to one of the individual's smiling.
CKPXLT	Dissimilar	Dissimilar mouth, fissure and mouth corners overall shape and size, Cupid's bow visibility and, upper and lower lip tone.
CUYZ8T	Inconclusive	

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Image Set Q1: Table 4.1(k) - Mouth

WebCode	Observation	Feature Notes
D2QZYQ	Dissimilar	shape/thickness differences due to expressions, potential makeup differences
DA6QFC	Unable To Compare	
EGJRJR	[Not Reported]	Mouth – Subjects have pink lip that are even tone throughout, similar thickness with alae of upper lip appearing thicker than the rest of lips. Same freckle, mole, and/or mark middle way above left upper lip, however more prominent in Unknown possibly due to neural expression, lighting, and image quality. Although expression in subject's differ mentolabial sulcus sits consistently below tori of lower lip and at same distance from chin. Mentolabial sulcus more defined in Unknown, however this could simply be shadowing caused my lighting.
EGYH2B	Similar	
ELRHHR	Similar	different expression, but same texture and shape
FBEYWM	Similar	
FZRJT8	Similar	The known's smile is stretching her cupid's bow, but the unknown's cupid's bow is similarly low profile. The vermilion boarder on each is similar.
H2WQ96	Similar	Mouth appears similar in shape. Difference in expression makes it difficult to compare lip shape.
HFB7XM	Similar	Similar outline on lower lip. Expression makes it hard to conclude.
HRQ6L4	Similar	known image has smiling expression; lips appears similar in shape and fullness; vermillion borders appear consistent accounting for expression.
HUCPQ8	Similar	
HYQFYM	Similar	Fissure and lip details appear similar.
JL2M67	Unable To Compare	
K3KWNM	Similar	Known is smiling and showing teeth. Upper and lower lips are similar in shape/size/thickness. Both lips are pink in color. Unknown appears darker. It could be due to lighting, image quality or lipstick. Philtrum is similar in location/shape/lack of prominence/width. Buccal crease is similar in location/size/shape. Dimples are similar in location/shape/size.
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Overall size of mouth is consistent between known and unk. Difference in expression between known and unk causing some distortion. Corners of mouth line up with similar interpupillary distances between known and unk. Marionette lines similar. Smile lines very similar in known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	known mouth is open and teeth showing, unknown mouth is closed and neutral expression, marionette lines are more visible in the known due to expression but are similar to the unknown, lip shape/size is similar, mark on bottom lip on the right side is similar, philtrum is visible in the unknown but not in the known due to expression/lighting
LQZ4DH	Similar	Overall shape, upper lip, Filtrum, lower lip

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Image Set Q1: Table 4.1(k) - Mouth

WebCode	Observation	Feature Notes
P6CLXG	Inconclusive	
PD3BCW	Similar	Known has an open smile with the upper teeth resting just at the top of the lower lip and candidate has a closed mouth, lips together, slight smile. The width of the mouth from corner to corner appears consistent. The size and width of the lower lip of both known and unknown are consistent. The philtrum is consistent in distance from the nasal base to the cupid's bow. The oral commissures are consistent.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Mouth appears larger in size in K, may be due to expression; upper vermillion border appears similar in shape, somewhat more defined in K, may be due to expression; fullness of upper and lower lip appear similar; overall tonality appears dissimilar, may be due to lighting; lips appear smoother on K; facial mark appears similar in size/location/shape on right and left lower lip; upper lip appears to have similar asymmetry; lower vermilion border appears similar in shape; mentolabial sulcus appears similar in depth/size/shape/location.
PRMQFV	Similar	Fullness of the lips are similar. Tone of the lips are similar, pinkish on both known and unknown. There is a difference in expressions, known is smiling showing teeth and the unknown has a more neutral expression. Mark found on the lower right side of the lip, similar in size location and color on both subjects.
PVM3BV	Similar	large difference in expression of the mouth, creases around the mouth appear to be similar, general thickness of the lips appear to be similar between subjects
PWHKDW	Similar	
PWYRHE	Similar	Large mouth and thin lips
PX9LGZ	Similar	The corners of the mouth and the shape of the lips are similar.
PY46H2	Inconclusive	Limited by facial expression
Q49MUY	Similar	
QTWDAF	Similar	The upper lip appears to have a similar contour that is thinner on the known due to the expression change. The lower lip has a similar asymmetric shape with the left side being higher. The middle of the lower lip appears to protrude more on the unknown however this difference is due to the change of expression. The coloration of the lips appears dissimilar, but this could be due to makeup. The philtrum appears to have a similar shapin
QYFHZU	Similar	The subject's lips are together in the unknown and smiling with lips apart in the known. The size, shape, and placement are similar.
R273NE	Similar	Both have similar top and bottom lip shape, known is smiling with mouth open, and unknown has mouth shut. Mouth end angles and shapes are similar on both sides of the mouths.
TBLBPC	Inconclusive	
U6E77R	Similar	upper and lower lip have similar thinness
U778AU	Similar	
UZ6NFC	Similar	

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Image Set Q1: Table 4.1(k) - Mouth

WebCode	Observation	Feature Notes
V7PBGV	Inconclusive	
XPRZMN	Similar	Known is smiling. Similar overall shape. Similar fullness. Similar shallow cupid's bow, which is flattened in the Known due to smiling. Dissimilar cover, but likely from makeup. Similar distance between lower lip and mentolabial sulcus.
XQMJNP	Similar	Known is smiling and Unknown has a more neutral expression. KNown lips are stretched due to expression but have similar size ratio compared to unknown.
XTNLEQ	Similar	Overall mouth -shape Upper lip -fullness -shape Lower lip -fullness -shape
XYERF8	[Not Reported]	Similarities: Philtrum: prominence, width of ridges, width of furrow, Upper lip: shape, fullness, protrusion, upper vermillion border shape, Lower lip: shape, fullness, protrusion, lower vermillion border shape, Asymmetry – Not comparable: Overall mouth: shape - varied expression do not allow comparison, Upper and lower lip: detail - limited visibility, Lip fissure: shape, degree of contact, angle, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities (limited visibility or not observed)
XYJ9D7	Unable To Compare	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Mouth		Total Participants: 61
Response	Percent Reported	
Similar	46 (75.4%)	
Dissimilar	3 (4.9%)	
Inconclusive	8 (13.1%)	
Unable to Compare	4 (6.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q1: Table 4.1(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar gonial angle shape; similar jawline prominence; similar chin shape and prominence
34T74N	Similar	
3LFL7K	Similar	The shape and definition of the jawline is consistent. The chin is symmetric and shows some skin sagging below the chin on both.
3M7MAM	Similar	The jawlines are basically identical.
4T9DRJ	Similar	seens similar but expression makes the skin tight.
6JZ4ZJ	Dissimilar	mendable shape
7B6GQY	Similar	
7PHQBF	Similar	The contour of the jawline appears to be similar between the probe and candidate appears to be similar. The squared chin shape that is similar between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Overall shape and square shape of the chin is consistent. The distance from bottom lip to the chin is similar. There are two creases running from the chin towards the mouth is also consistent in placement and length. The jaw is similar in fullness and is slightly square in appearance. It appears there is a slight indent in the center of the chin both images that is consistent in location.
9GLTHW	Similar	rounded shape, length, and prominence/definition of the jawline are similar; width, height, square shape, rounded contour, and degree of protrusion of the chin are similar; linear shape, shallowness, and location of mentolabial sulcus are similar; diagonal-like shape, length, location, and prominence of the buccal creases are similar; small double chin is similar in subtle presence and shape
9KFMFY	Similar	similar shape/protrusion of chin; appears to have similar curve to gonial angle
9U4MPG	Similar	Somewhat hard to compare due to different mimic/light
AKVB9D	Similar	angular jawline with wide, prominent chin
B2Z6FC	Similar	Overall shape of the chin is similar in both with similar gonial angles. Similar distance between lower lip and bottom of the chin. Prominence is similar in both. jawline is similar in both
BZH38T	Similar	The chin shape is similar.
CKPXLT	Inconclusive	Similar jawline shape and angle, and chin shape. Dissimilar gonial angle shape and angle and, chin size.
CUYZ8T	Similar	
D2QZYQ	Similar	chin shape and curvature similar
DA6QFC	Similar	

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Image Set Q1: Table 4.1(l) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Chin/Jawline – Directly below dimple both subjects have a faint freckle, mole, and/or mark on left jawline. Known's chin/jawline seems to blend seamlessly into neck, while Unknown also does their expression, lighting, and image quality may account for the transition not being as flawless. Soft jawline is consistent in both subject with no sharp angles. Unknown has squarish jawline into a rounded square chin; Known also has a rounded chin that protrudes slightly forward. Chin area is well defined by mentolabial crease: Unknown's mentolabial crease appears to be straight while Unknown's has a downturn (like the mouth of a sad face) which may be attributed to expression differences in individuals, lighting, and image quality
EGYH2B	Similar	
ELRHHR	Similar	same shape
FBEYWM	Similar	
FZRJT8	Similar	The chin/jawline of both is of similar size and shape.
H2WQ96	Similar	Length and width of chin appears similar. Shape of jaw appear similar but the difference in facial expression makes it difficult to compare.
HFB7XM	Similar	
HRQ6L4	Similar	similar in shape, width, and prominence.
HUCPQ8	Similar	
HYQFYM	Similar	Squared jawline, pointed chin similar.
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in location/size/square shape. Mentolabial sulcus is similar in location/shape/size.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Jawline in both known and unk similar. Chin prominent in both. Gonial angle very similar between both known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	jawline length is similar, chin shape/size is similar, mark on the right side of chin is similar, mentolabial sulcus is similar, chin stick out similarly
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	
PD3BCW	Similar	Chin and gonial angle appear consistent in shape/size. and width. Consistent weight and fullness under the chin and along the jawline. Both known and unknown have a similarly square jawline.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears similar in size and shape; jawline appears similar in shape, but wider on candidate, may be due to weight.
PRMQFV	Similar	Chin is rounded on both subjects. Length of the chin is similar. Jawline is rounded and not prominent on neither known nor unknown.

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Image Set Q1: Table 4.1(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PVM3BV	Similar	the chin and jawline follow similar contours between subjects, creases seen in the chin can be seen on both subjects and are similar in shape and size
PWHKDW	Similar	
PWYRHE	Similar	Medium square shape
PX9LGZ	Similar	The shape of the chin is similar and seems protruding on both images.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	[Not Reported]	The chin appears to be asymmetric and squared on both subjects. The jawline appears to be angled more on the unknown, but this is due to the change of expression.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	Both have similar roundedness of jawline, similar gonial angles on both sides, similar chin shape and size
TBLBPC	Similar	
U6E77R	Similar	chins have very similar squarish shape and similar distance from mouth. Both have similar jawline and gonial angle.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar squared chin. Similar jaw length and width.
XQMJNP	Similar	Jaw line and chin is similar between two subjects.
XTNLEQ	Similar	Chin (Profile) • Overall Shape • Length and width relative to rest of face • Prominence • Symmetry • Details - Jawline • Shape • Definition Gonial Angle • Shape • Definition
XYERF8	[Not Reported]	Similarities: Chin: overall shape, length, width relative of rest of face, prominence, details, Asymmetry – Dissimilarities - Jawline: shape, definition, Gonial angle: shape, definition (potentially due to expression/pose)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q1 Chin/Jawline		Total Participants: 61
Response	Percent Reported	
Similar	58 (95.1%)	
Dissimilar	2 (3.3%)	
Inconclusive	1 (1.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q1: Table 4.1(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar relative neck width; similar neck creases in shape, location and prominence
34T74N	Similar	
3LFL7K	Similar	The shape and width of the necks on both are conssitent, including several visible creases.
3M7MAM	Similar	Neck shapes and wrinkles appear similar.
4T9DRJ	Similar	similar neck crease lines.
6JZ4ZJ	Similar	Similar in shape
7B6GQY	Similar	
7PHQBF	Similar	The neck wrinkles of the probe and candidate appear to line up between the probe and candidate.
89T2WX	Similar	Similar neck wrinkles
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The width of the neck is consistent and there are multiple creases in the same relative location/placement. One of the lower creases has a shorter line/crease break under a fuller crease.
9GLTHW	Similar	width, length, and musculature thickness are similar; creases are consistent in location, prominence, curved shape, quantity, and distribution along upper, middle, and base of the neck
9KFMFY	Similar	similar width of neck; similar number/distribution/shape/curve of neck wrinkles of Known(1)/Unknown(2) relative to one another
9U4MPG	Similar	
AKVB9D	Similar	width, height and folds appear to be consistent with each other
B2Z6FC	Similar	Similar width with similar creases. both free from freckles
BZH38T	Similar	The length and thickness of the neck are similar.
CKPXLT	Similar	Similar neck height.
CUYZ8T	Similar	
D2QZYQ	Similar	similar crease location and relationship
DA6QFC	Similar	
EGJRJR	[Not Reported]	Neck – Unknown's neck appears shorter than Knowns which may be attributed to weight difference in subjects. Both individuals have a small freckle, mole, and/or mark at base of subject's neck just right of center consistent in shape and size. Small freckle, mole, and/or mark on right side of Known's neck below crease and in line with I on the Faint horizontal crease in the center of neck seen in Known.
EGYH2B	Similar	
ELRHHR	Similar	same geometric dimensions

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Image Set Q1: Table 4.1(m) - Neck

WebCode	Observation	Feature Notes
FBEYWM	Similar	
FZRJT8	Similar	The neck of both is of similar size and shape. Both have similar creases and facial marks on their necks.
H2WQ96	Similar	Similar width and length. Lines on neck are similar in appearance and position.
HFB7XM	Inconclusive	
HRQ6L4	Similar	similar in width and length.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in size and neck wrinkles.
JL2M67	Similar	
K3KWNM	Similar	Neck is similar in length/width. Neck wrinkles are similar in location/quantity/shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Inconclusive	Visibility of necklines somewhat obscured in known due to quality of photo. Width of neck similar. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	length of neck is similar, thickness of neck is similar, neck creases are similar, marks on the neck are similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	there are two, parallel neck lines that run from the right side of the neck, around the front and to the opposite side that are consistent in length and distance apart. The neck is consistent in width, length and weight.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Neck appears similar in relative length and width; similar neck creases in location/depth/shape/quantity
PRMQFV	Similar	Length and width of the neck is similar. Creases in the neck have a similar prominence and are found in relatively similar locations.
PVM3BV	Similar	multiple creases seen throughout the neck that are similar between both subjects, general thickness in the neck appear to be similar between subjects
PWHKDW	Similar	same neck creases
PWYRHE	Similar	medium neck
PX9LGZ	Similar	The width of the neck is similar.
PY46H2	Similar	
Q49MUY	Unable To Compare	

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Image Set Q1: Table 4.1(m) - Neck

WebCode	Observation	Feature Notes
QTWDAF	[Not Reported]	The neck appears to have a similar thickness and multiple neck wrinkles in the same arrangement and amount.
QYFHZU	Similar	
R273NE	Similar	Both have similar neck thickness, similar neck line positions and curvatures
TBLBPC	Similar	
U6E77R	Similar	necks have similar length
U778AU	Inconclusive	
UZ6NFC	Similar	
V7PBGV	Similar	same wrinkles
XPRZMN	Similar	Width and length of neck in relation to the width and length of the head is similar.
XQMJNP	Similar	Neck is similar in size. The facial lines on the neck are shaped and spaced similarly on both subjects.
XTNLEQ	Similar	-Width -Heigh
XYERF8	[Not Reported]	Similarities: Overall neck: width (overall appearance), height, details - Not comparable: Laryngeal prominence: shape, size, prominence, location (limited visibility)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Neck	Total Participants: 61
Response	Percent Reported
Similar	56 (91.8%)
Dissimilar	0 (0.0%)
Inconclusive	3 (4.9%)
Unable to Compare	1 (1.6%)
Not Applicable	1 (1.6%)

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Image Set Q1: Table 4.1(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	no facial hair visible on either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	Neither has clear facial hair
6JZ4ZJ	Similar	Similar in color
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Unable To Compare	
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Facial Hair – N/A
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Similar	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q1: Table 4.1(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed in either image.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Unable To Compare	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Similar	No facial hair observed on known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q1: Table 4.1(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	Not Applicable	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Facial hair not observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q1 Facial Hair

Total Participants: 62

Response	Percent Reported
Similar	4 (6.5%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	3 (4.8%)
Not Applicable	54 (87.1%)

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Image Set Q1: Table 4.1(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Similar	The facial lines, especially those of the forehead are very consistent. The creases on the forehead appear to be the same on both known and unknown subjects.
3M7MAM	Similar	Forehead wrinkles look similar, but facial expressions create different fine lines.
4T9DRJ	Similar	Hard to compare due to expression, forehead has simliar crease lines, both have simlar creases on edges of mouth and dimple creases.
6JZ4ZJ	Similar	Similar in the lines in forehead
7B6GQY	Similar	
7PHQBF	Similar	The frontal lines on the probe and candidate appears to be similar in location and depth. The nasolabial folds of the probe and candidate appears to be similar. Both the probe and candidate have left and right marionette lines that appear to be similar in length and depth.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted the frontal lines above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	some facial lines, particularly around the mouth and eyes, are more prominent for Known(1) than Unknown(2) due to difference in expression; similar shape/curve/number/position relative to one another of frontal lines; similar shape/curve to left/right nasolabial folds; similar presence/shape to left/right marionette lines; similar shape of mentolabial sulcus; other facial lines mentioned elsewhere
9U4MPG	Similar	Forehead and neck
AKVB9D	Similar	frontal lines, buccal creases. marionatte lines and nasolabial folds appear to be consistent
B2Z6FC	Similar	Both have similar frontal lines and creases in forehead. Both have similar shaped nasolabial folds. Both have similar shaped palpebral creases
BZH38T	Similar	The wrinkles on the forehead, the nasolabial fold, and the positions of the wrinkles on the neck are similar.
CKPXLT	Similar	Similar forehead crease, superior and inferior palpebral crease, mouth corner and neck crease shape, number and placement.
CUYZ8T	Similar	
D2QZYQ	Similar	similar throughout features
DA6QFC	Similar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Similar	

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Image Set Q1: Table 4.1(o) - Facial Lines

WebCode	Observation	Feature Notes
ELRHHR	Similar	same patterns of wrinkles in forehead
FBEYWM	Similar	
FZRJT8	Similar	Both have similar frontal lines. Both have similar nasolabial folds
H2WQ96	Similar	Frontal lines are consistent in number, placement, and depth. Left periorbital crease appears similar. Mentolabial sulcus appear similar. Creases in the corners of the mouth (laugh lines) appear similar.
HFB7XM	Similar	Lines in forehead, sup palp, neck lines.
HRQ6L4	Similar	similar length, depth, and contour of nasolabial folds, frontal lines, and neck lines, as well as superior and inferior palpebral creases.
HUCPQ8	Similar	
HYQFYM	Similar	Light nasolabial folds, light infraobital lines, somewhat distinct frontal lines.
JL2M67	Similar	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Lines in forhead of known and unk are similar. Prviously indicated lines around mouth and ala of nose are similar. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Frontal lines (horizontal), nasal lines
P6CLXG	Similar	Multiple distinct lines of foreheads
PD3BCW	Similar	No more than previously mentioned fine lines on forehead and around eyes
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Left and right periorbital creases on K appear deeper, may be due to expression; others aforementioned.
PRMQFV	Similar	Frontal lines have a similar prominence and are found in relatively similar locations. Shorter frontal line between the longer ones is consistent. The length of the frontal lines are similar. Inferior palpebral creases have a similar prominence and are found in similar locations. Creases on the root of the nasal body are similar. Known has creases on the cheeks, not found on the unknown, possibly due to the difference in expressions. Nason labial folds are found in similar locations but deeper and more prominent on the known, possibly due to the difference in expressions. Marionette lines are found in similar locations, longer on the probe possibly due to the difference in expressions. Mentolabial sulcus is subtle on both subjects.
PVM3BV	Similar	see the forehead, eyes, nose, cheeks, mouth, chin and neck sections above
PWHKDW	Similar	creases on forehead are same position, length in both

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Image Set Q1: Table 4.1(o) - Facial Lines

WebCode	Observation	Feature Notes
PWYRHE	Similar	nasolabial folds and labial folds
PX9LGZ	Similar	The forehead creases and nasolabial folds are similar. Also the lines on the chin and neck are similar.
PY46H2	Similar	Forehead
Q49MUY	Similar	
QTWDAF	Similar	The subjects appear to have angled frontal lines in a similar arrangement on the forehead. The nasolabial lines have a similar angle and location however they appear to be more prominent on the known due to the expression change. The appears to be dimples that are more visible on the known however this could be due to expression.
QYFHZU	Similar	Frontal lines are similar. Wrinkles on the neck are similar.
R273NE	Similar	Both have similar nasolabial line positions and curvatures, similar starting points of nasolabial lines on both sides, both have buccal lines on both sides in similar positions.
TBLBPC	Similar	
U6E77R	Similar	horizontal frontal lines on foreheads have similar pattern. Left and right nasolabial folds are similar. Wrinkles on neck have same pattern.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Frontal lines- similar appearance and placement of fine horizontal lines. Similar short line on the right forehead between the two lower lines; Vertical glabellar line(s) - not noted; Nasion crease - not noted; Lateral nasal lines - not noted; Bifid nose crease - not noted; Periorbital lines (crow's feet) - not easily visible in Unknown, more visible in Known due to facial expression; Superior palpebral crease - similar shape and visibility; Inferior palpebral crease - similar shape and visibility; Infraorbital creases - difficult to see in the Known due to the shadowing from the poor lighting, but the placement appears consistent; Circumoral striae - slightly visible on outer upper lip in Unknown, not visible in known (different facial expression); Mentolabial sulcus - similar distance from lower lip and from the bottom of the chin, similar width and shape; Nasolabial creases - similar, right crease is more outwardly curved than the left crease; Marionette lines - not noted; Cleft chin - not noted; Buccal creases - visible on Unknown's left cheek, not visible in the Known; Dimples present in the Known; Wrinkles on neck - similar appearance and placement.
XQMJNP	Similar	Facial lines around the nose and mouth appear to be similar between the subjects.
XTNLEQ	Similar	Frontal lines • Distribution • Orientation horizontal • Quantity • Pattern • Depth Wrinkles on neck Right Inferior Palpebral Crease Left Inferior Palpebral Crease Right Superior Palpebral Crease Left Superior Palpebral Crease Right Nasolabial Crease/Folds Left Nasolabial Crease/Folds

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Image Set Q1: Table 4.1(o) - Facial Lines

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities: Frontal lines, Nasion crease (faint), Periorbital lines (faint), Superior palpebral crease, Inferior, palpebral crease, Infraorbital crease, Mentolabial sulcus, Nasolabial crease (overall shape/contour), Marionette lines - lines progressing down the outer portions of chin, Wrinkles on neck - Dissimilarities: Nasolabial crease – prominence, Other - folds in outer mouth corners more prominent in Q1, Other - dimples/lines on cheeks visible in R1 not observed in Q1 (potentially due to expression) - Not comparable: Cleft chin, Buccal creases, Circumoral striae (not visible/observed in one or both)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Facial Lines	Total Participants: 61
Response	Percent Reported
Similar	59 (96.7%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.3%)

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Image Set Q1: Table 4.1(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to one annotated above
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Similar	Appears to be scar or some kind of mark simliar on nose.
6JZ4ZJ	Similar	Similar in nasal bone
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	No scars
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Similar	
93ZDEX	Similar	There is a consistent possible scar or short crease on the left side that is consistent on the known and unknown images.
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	referenced in facial marks
9U4MPG	Similar	forehead
AKVB9D	Similar	right side of forehead above medial side of right eye
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Similar	Similar scar-like short line above lower forehead crease.
CUYZ8T	Similar	
D2QZYQ	Similar	similar (forehead/nose)
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	None visible
H2WQ96	Similar	Small light colored scar on forehead is consistent in position, size, and shape.
HFB7XM	Inconclusive	

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Image Set Q1: Table 4.1(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Similar	similar positioning, length, and prominence of scar on forehead above right eye.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Similar scar on forehead.
JL2M67	Similar	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Similar	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Scar (shape, size and location)
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Appears may be a scar below left nasolabial fold of U, not visible in K, may be due to expression/lighting/time.
PRMQFV	Similar	No scars observed on known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Similar	
PWYRHE	Unable To Compare	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Not Applicable	
QYFHZU	Similar	Possible scar observed on the right side center forehead of both images.
R273NE	Similar	Both appear to have small line scar near frontal line of forehead in similar position.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	

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Image Set Q1: Table 4.1(p) - Scars

WebCode	Observation	Feature Notes
UZ6NFC	Similar	
V7PBGV	Not Applicable	
XPRZMN	Similar	None noted on Unknown. Known might have a diagonal scar right of midline on the chin. It could be caused by lighting issues though.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Scars not observed
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q1 Scars

Total Participants: 61

Response	Percent Reported
Similar	23 (37.7%)
Dissimilar	0 (0.0%)
Inconclusive	2 (3.3%)
Unable to Compare	3 (4.9%)
Not Applicable	33 (54.1%)

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Image Set Q1: Table 4.1(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	the unknown has many facial marks present that appear to be freckles that aren't fully as visible on the known (could be wearing make up or difference in lighting), but there are several that are similar in location, shape and prominence all over the face
34T74N	Similar	
3LFL7K	Similar	As previously stated, the lines on the forehead, neck, between the eyes and around the mouth are consistent, as are several of the dark freckles on the forehead above the left eye.
3M7MAM	Similar	Multiple similar pigmentation abnormalities on the face.
4T9DRJ	Similar	freckle marks visible in agreement between images especially on forehead.
6JZ4ZJ	Similar	Skin, forehead creases, similar
7B6GQY	Similar	
7PHQBF	Similar	Facial marks on the forehead of the probe and candidate appear to line up. There looks to be a mark on the chin of the probe that is not visible on the candidate.
89T2WX	Similar	Similar forehead wrinkles. The differences in mouth corner wrinkles are considered to be caused by different expressions.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Several have already been noted throughout, but there are consistent marks on the left side of the forehead as well as the left cheek near the nasal creases.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	appears to have similar abundance of small/faint facial markings present over the entirety of the face; appear to be slightly more visible on Unknown(2) than Known(2) which could be from difference in lighting or sun exposure darkening/lightening; similar small diamond shape facial mark/scar around center of nasal body of nose; similar raised mark on upper right side of nasal body toward right medial canthus with similar size/shape/protrusion
9U4MPG	Similar	Forehead above persons left eyebrow
AKVB9D	Similar	consistent facial mark along right side of nasal bridge/body, above left eye at end of frontal line
B2Z6FC	Not Applicable	
BZH38T	Similar	The freckles on cheek is similar.
CKPXLT	Similar	Similar freckles visible on face overall.
CUYZ8T	Not Applicable	
D2QZYQ	Similar	similar throughout features
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.

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Image Set Q1: Table 4.1(q) - Facial Marks

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	moles or freckles on cheeks
FBEYWM	Unable To Compare	
FZRJT8	Similar	Mentioned above
H2WQ96	Similar	Facial marks observed on cheeks and forehead of both. Location of marks is consistent, above left eye in particular.
HFB7XM	Similar	Left side in forehead, darker areas bilateral on nasal body.
HRQ6L4	Similar	unknown image has more facial marks visible but both images have similar size, location, and prominence of some facial marks.
HUCPQ8	Similar	
HYQFYM	Similar	Many noted on cheeks, nose and chin.
JL2M67	Similar	
K3KWNM	Similar	Both have several facial marks (freckles) all over the face. They are similar in size/shape/location/pattern/color.
KEBXX2	Similar	Though the known's image quality is more washed out, you can see similar freckling all over the face
KHWG47	Dissimilar	Makeup / Image detail
L7ZVC2	Inconclusive	Inconclusive due to decreased quality of known photo. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Skin marks (size, color and location)
P6CLXG	Similar	
PD3BCW	Not Applicable	
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Facial marks visible in both; many appear similar in size/shape/location; some previously aforementioned; more marks appear visible on U, may be high quality in image/time of year/lighting.
PRMQFV	Dissimilar	Unknown has a facial mark on the right side of the chin, not found on the known.
PVM3BV	Similar	see skin, forehead, cheeks sections above
PWHKDW	Similar	freckles near left eye are in same position, right side of nose bridge are same
PWYRHE	Similar	nasolabial folds
PX9LGZ	Similar	Both have freckles.
PY46H2	Similar	Forehead

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Image Set Q1: Table 4.1(q) - Facial Marks

WebCode	Observation	Feature Notes
Q49MUY	Similar	
QTWDAF	Similar	There are multiple facial marks on both subjects, a lot of these facial marks are in the same location with similar coloration and some are not as visible on the known but this could be due to being transient.
QYFHZU	Not Applicable	
R273NE	Similar	Unknown has a mark on right side at top of chin and a couple marks on left cheek near top that are not seen on known
TBLBPC	Similar	
U6E77R	Not Applicable	
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Freckles present in both images. Some of the darker marks do appear consistently on the left forehead, under left eye, and on the neck.
XQMJNP	Not Applicable	
XTNLEQ	Similar	Freckles distribution
XYERF8	[Not Reported]	Similarities: A number of facial marks ('freckles') observed in corresponding locations - Not comparable: A number of facial marks observed in Q1 (unable to discern in R1 due to lighting/image quality conditions)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q1 Facial Marks

Total Participants: 62

Response	Percent Reported
Similar	50 (80.6%)
Dissimilar	2 (3.2%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	8 (12.9%)

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Image Set Q1: Table 4.1(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	known may be wearing more make up than the unknown
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	The earrings don't match.
4T9DRJ	Similar	both images so similar area of peircing.
6JZ4ZJ	Similar	
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	Light makeup, with visible traces on the eyebrows, eyelashes, cheeks, and lips.
8FP3RH	Dissimilar	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Inconclusive	both have their ears pierced, and unknown has mascara and possible eyebrow makeup on
9KFMFY	[Not Reported]	Known(1)/Unknown(2) may be wearing different types of makeup; Unknown(2) appears to have heavier makeup on the eyes; Known(1) is wearing small ball earrings while Unknown(2) is wearing larger/dangling hoop earrings
9U4MPG	Inconclusive	Existence of earrings
AKVB9D	Similar	pierced ears- lower ear lobe
B2Z6FC	Similar	Both have pierced ears
BZH38T	Dissimilar	Earring is dissimilar.
CKPXLT	Similar	Similar make-up on upper eyelids, right and left earrings.
CUYZ8T	Similar	
D2QZYQ	[Not Reported]	hairstyles, coloring, makeup, jewelry
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	same head tilt and physical alterations
FBEYWM	Similar	Pierced Ears
FZRJT8	Not Applicable	None visible

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Image Set Q1: Table 4.1(r) - Alterations

WebCode	Observation	Feature Notes
H2WQ96	Similar	Both have pierced ear lobes. Unknown is wearing makeup.
HFB7XM	Not Applicable	
HRQ6L4	Similar	both images have earrings.
HUCPQ8	Similar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	Unknown is wearing mascara.
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	both have some makeup on
LQZ4DH	Not Applicable	
P6CLXG	Similar	Ears pierced
PD3BCW	Not Applicable	earrings
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Piercings aforementioned; makeup appears present on both; no tattoos present on either.
PRMQFV	Similar	Both subjects are wearing earrings. Both appear be wearing mascara.
PVM3BV	Similar	both subjects are wearing earrings of different styles, possible grooming involved in the hair and eyebrow regions
PWHKDW	[No observations reported for this feature.]	
PWYRHE	Similar	freckles
PX9LGZ	[Not Reported]	Ears on both images are pierced.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Inconclusive	hairstyle change and earrings on both subjects.
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations to speak of for this comparison.
TBLBPC	Similar	earrings
U6E77R	Not Applicable	

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Image Set Q1: Table 4.1(r) - Alterations

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Not Applicable	
XPRZMN	Similar	Makeup and hair coloring in Unknown and Known. Unknown looks to be wearing contacts (possibility that they are colored contacts).
XQMJNP	Similar	Both subjects are wearing earrings in the ears.
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Similarities: Ear piercings (consistent in both)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q1 Alterations — Total Participants: 56

Response	Percent Reported
Similar	21 (37.5%)
Dissimilar	4 (7.1%)
Inconclusive	4 (7.1%)
Unable to Compare	0 (0.0%)
Not Applicable	27 (48.2%)

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Image Set Q1: Table 4.1(s) - Other Features

WebCode	Feature	Observation	Feature Notes
CKPXLT	Limitations	Dissimilar	Expression, make-up and styling.
H2WQ96	Contacts	Unable To Compare	Unknown appears to be wearing soft contacts. Cannot tell if unknown is as well.
LADNAL	Quality	Similar	Known quality is good, lighting is darker, unknown is also good quality with better lighting, both frontal images, both appear to be same distance from camera
PWYRHE	Image superposition	Similar	Cephalometry planes
XPRZMN	Expression	Dissimilar	Unknown has neutral expression. Known has broad smile.
H2WQ96	Natural Head Positioning	Similar	Both tilt head in same direction at similar angle.
XPRZMN	Image quality	Dissimilar	Unknown image is high quality with visible detail. Known image was taken with poor lighting placement and has reduced quality of detail.

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Detailed Feature Observations

TABLE 4 - Image Set Q2

Image Set Q2: Table 4.2(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar dark brown skin tone; unable to definitively compare skin texture due to unknown image resolution issues, but the known does appear to have slightly more rough/leathery skin (consistent with apparent age difference)
34T74N	Similar	
3LFL7K	Similar	The skin of both appears consistent in tone, althought a lighting difference exists. Blurriness of the unknown photo obscures detailed examination.
3M7MAM	Similar	The skin color matches but shows looseness.
4T9DRJ	Similar	similar skin tone
6JZ4ZJ	Similar	Luminance and color
7B6GQY	Similar	
7PHQBF	Similar	Skin tones between the probe and candidate appears to be similar between the probe and candidate.
89T2WX	Similar	The skin tone is similar. The unknown sample is indistinct and lacks texture detail.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar skin tone and coloring.
9GLTHW	Similar	quality of unknown is less than that of known, so texture is difficult to compare due haziness/ lack of clarity; darker complexion and lighter tonality distribution throughout the middle of the face are similar; highlighting and shadowing on the contours of the face are similar, indicating that the underlying musculature and bone structure is similar
9KFMFY	Similar	similar darker skin tone, difference in lighting; unable to compare finer details due to quality of Unknown(2)
9U4MPG	Similar	
AKVB9D	Inconclusive	poor quality unknown image does not allow for comprehensive comparison
B2Z6FC	Similar	Overall texture and tone are similar.
BZH38T	Similar	Skin tone is similar.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Similar	similar marks and creases througout
DA6QFC	Similar	

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Image Set Q2: Table 4.2(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Skin – Subjects appears to have even medium deep skin tone and an oily complexion. Both subjects has some texture in cheek area which is more prominent and widespread in Known who's pore are large and visible. This is probably due to image quality, lighting and age difference of Unknown compared to Known.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same texture, color, and facial marks
FBEYWM	Similar	
FZRJT8	Similar	The photo quality of the unknown is poor and low resolution. The lighting in the known's image appears brighter. The tone appears similar on both.
H2WQ96	Similar	Similar skin tone. Unknown image is too blurry to determine texture.
HFB7XM	Similar	
HRQ6L4	Similar	similar hue and texture accounting for difference in lighting.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion and tone. Similar facial marks and lines.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in color. Texture cannot be compared due to image quality in the Unknown. There are multiple facial markings similar in location/size/shape. The pattern of the luminance is similar.
KEBXX2	Similar	Overall tone is the same though the texture of the skin is not visible on the unknown due to poor image quality
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones between known and unk. Unk photo quality poor but shades of skin tone are consistent. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	tone is similar, texture appears smoother in the unknown due to the quality
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Although the unknown image is blurred and slightly out of focus, both known and unknown appear to have similarly, a slightly weathered and gritted quality to the skin with a few small blemishes and or mole-like marks scattered throughout the facial plane. Both images appear to have deep brown skin with a faint red undertone. The lighting on the known image is brighter and there is less shadowing on the face than the unknown image.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears similar in overall tone/luminance; skin of K appears more textured, may be due to image quality.

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Image Set Q2: Table 4.2(a) - Skin

WebCode	Observation	Feature Notes
PRMQFV	Similar	Known and unknown are of a darker complexion. Known appears to be slightly lighter possibly due to the difference in lighting. Texture of the knowns skin appears to be more textured, possibly due to the difference in image quality.
PVM3BV	Similar	skin tone and texture appears to be similar between subjects
PWHKDW	Similar	
PWYRHE	Similar	same color
PX9LGZ	Similar	The tone is similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The subjects appear to have a similar skin tone with variations in color balance/brightness which could be due to exposure, imaging conditions, etc. The known appears to have more texture to the face however this is likely due to the quality of the unknown.
QYFHZU	Similar	Color and tone are consistent
R273NE	Similar	Both known and unknown have similar skin texture and tone, also similar luminance on forehead and nose and cheeks
TBLBPC	Similar	
U6E77R	Similar	similar color and texture
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Similar skin tone. Known has textured skin with visible pores and lines; this texture is not seen in the Unknown due to image clarity.
XQMJNP	Similar	Both subjects have dark skin, similar in tone. Unknown image quality is blurry/ out of focus.
XTNLEQ	Similar	Overall skin tone and texture
XYERF8	[Not Reported]	Similarities: Overall skin appearance: tone - Not comparable: Overall skin appearance: texture
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q2 Skin		Total Participants: 61
Response	Percent Reported	
Similar	56 (91.8%)	
Dissimilar	0 (0.0%)	
Inconclusive	1 (1.6%)	
Unable to Compare	2 (3.3%)	
Not Applicable	2 (3.3%)	

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Image Set Q2: Table 4.2(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	the known's facial width appears to be slightly more narrow, but is consistent with apparent image distortion; similar cranial vault shape
34T74N	Similar	
3LFL7K	Similar	The shape of the cranial vault is consistent on both. The overall shape of the face appears the same.
3M7MAM	Similar	Face shapes and head contours are basically the same.
4T9DRJ	Similar	similar but blurrier outline.
6JZ4ZJ	Similar	overall head and face
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the face outline appears to be similar. Both the probe and candidate appears to have an oval face shape.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	similar overall outline of head and face shape and size
9GLTHW	Similar	oval shape and elongated length of the face are similar; curvature of the cranial vault is consistent
9KFMFY	Similar	similar shape to face/head outline
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Both have oval shaped faces with a similar height cranial vault
BZH38T	Similar	The overall shape is similar.
CKPXLT	Similar	Similar face and cranial vault shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	[Not Reported]	Face/Head Outline – Individuals has a flat cranial vault with a diamond shaped face into a flat chin.
EGYH2B	Similar	
ELRHHR	Similar	same geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Similar	
FZRJT8	Similar	The face/head outline appears similar on both.
H2WQ96	Similar	Similar cranial vault. Face shape appears similar as well.

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Image Set Q2: Table 4.2(b) - Face/Head Outline

WebCode	Observation	Feature Notes
HFB7XM	Similar	Similar outline with asymmetrical left cheek and chin deviating to the left.
HRQ6L4	Similar	similar length, width, and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Similar oval shape, narrow facial outline, narrow jawline. Cranial vaults appear similar.
JL2M67	Similar	
K3KWNM	Similar	Outline is similar in Oval shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Similar overall oval shape of head/face is consistent across both known and unk (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	overall face/head shape/size is similar, height is similar, width is similar
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have a consistent, evenly curved facial contour that is oval in shape from top of head to underneath of chin. Features are consistent in placement on the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears similar; overall shape of face appears similar.
PRMQFV	Similar	Overall size and shape of the head is similar. Both subjects appear to have an oval shaped head.
PVM3BV	Similar	general shape of the outline of the face appears to be consistent between subjects
PWHKDW	Similar	
PWYRHE	Similar	brachycephalic
PX9LGZ	Similar	Similar oval shape.
PY46H2	Similar	Minimal difference- age (width)
Q49MUY	Similar	
QTWDAF	Similar	The face/head outline appears to be similar with an asymmetry with the right side of the head being higher than the left side. Other than that the outline is generally oval shaped.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Similar	Both have similar head shapes rectangular/ovalular
TBLBPC	Similar	

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Image Set Q2: Table 4.2(b) - Face/Head Outline

WebCode	Observation	Feature Notes
U6E77R	Similar	overall shape is oval for both
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar cranial vault contour, similar oval face shape.
XQMJNP	Similar	Both subjects have a similar shaped head, long oval.
XTNLEQ	Similar	Shape of cranial vault Overall shape of face
XYERF8	[Not Reported]	Similarities: Shape of the cranial vault, Overall shape of the face
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Face/Head Outline — Total Participants: 61

Response	Percent Reported
Similar	61 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar proportion to the facial features relative to one another; similar location of the facial features including similar level of asymmetry with the horizontal plane of the eyes with the left eye appearing to sit slightly lower than the right eye in both individuals
34T74N	Similar	
3LFL7K	Similar	The relative position of the eyes, ears, nose and mouth is consistent on both subjects, including the distances between and relating to each feature.
3M7MAM	Similar	The proportions and positions of facial features are basically identical.
4T9DRJ	Similar	similar composition - similar expression.
6JZ4ZJ	Similar	Features overall similar
7B6GQY	Similar	
7PHQBF	Similar	The intercanthal distance of the eyes appears to be similar between the probe and candidate. The distance from the hair to the eyebrows appears to be similar between the probe and candidate. The distance from the eyebrows to the eyes appears to be similar.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Approx. distance of the nose in relation to eye placement is consistent. Approx. distance from the nose to upper lip is consistent. The width of the nose in relation to the mouth is also similar.
9GLTHW	Similar	configuration, alignment, distribution, and size of the visible facial features are consistent with respect to each other and their location on the face
9KFMFY	Similar	similar distance from nasal tip to upper lip; similar distance from lower lip to chin; similar distance from nasal tip to eyes; similar intercanthal distance
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Facial features are in the same relative position. Approximate distance between the nasal tip and the upper lip appear to be the same.
BZH38T	Similar	The shape of head is similar.
CKPXLT	Similar	Similar ear height, upper lip to nose and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	[Not Reported]	Face/Head Composition – Facial features are concentrated to the lower 3/4th of both Known's ad Unknown's face with consistent distance and spacing between features

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Image Set Q2: Table 4.2(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same in how they are positioned and framed
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition appears similar on both. The eyes, nose, and mouth are all of similar size, shape, and distance from eachother.
H2WQ96	Similar	Similar proportions/position of features.
HFB7XM	Similar	
HRQ6L4	Similar	similar positioning of features relative to other features.
HUCPQ8	Similar	
HYQFYM	Similar	Intercanthal and interpupillary distances appear similar. Nose, mouth and chin appear similar.
JL2M67	Similar	
K3KWNM	Similar	Face is similar in length/width. Features are placed on the face towards the lower half of the face. The nose is in a similar position relative to the forehead and chin. Ears are placed on the head in a similar position. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance is similar. Interpupillar distance is similar.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Similar size and symmetry between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from nose to mouth is similar
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	both have a similar short hair that is very close to the scalp. The texture of both known and unknowns hair appears coarse with tight curls. Each has equally dark hair with gray/white hair scattered throughout.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes, nose, and ears, mouth appear similar in relationship to one another.
PRMQFV	Similar	Nose to mouth distance is similar. Distance between the eyes appear to be similar. The mouth in relation to the chin is similar.
PVM3BV	Similar	general composition and relative location of all facial features appear to be similar between subjects
PWHKDW	Similar	
PWYRHE	Similar	proportionate
PX9LGZ	Similar	Relative distances between facial features are similar.

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Image Set Q2: Table 4.2(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar asymmetry with the right side being higher than the left. The nasal tip appears to be relatively equidistant between the mouth and eyes.
QYFHZU	Similar	The facial features placement correspond in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Both have similar features relative to the other features in know and unknown
TBLBPC	Similar	
U6E77R	Similar	similar distance between eyes, nose and mouth and ears. Similar distances between mouth and chin.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar feature spacing and placement. Similar width of nose relative to eyes. Similar width of mouth relative to eyes. Similar distance from nose to upper lip. Similar distance from chin to lower lip. Similar ear position relative to eyes, nose, and mouth placement. Similar eye position relative to face length.
XQMJNP	Similar	Features are spaced evenly on both subjects.
XTNLEQ	Similar	• Approximate width of nose relative to eye distances • Approximate width of mouth relative to eye distances • Approximate width of nose relative to mouth • Approximate distance from nose to upper lip relative to face length • Approximate distance from chin to lower lip relative to face length • Ear position relative to eyes, nose, and mouth • Eye position relative to face length
XYERF8	[Not Reported]	Similarities: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length, Ear position relative to eyes, nose, and mouth, Eye position relative to face length
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q2 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	61 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q2: Table 4.2(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar hair length and texture; the unknown's hair is more black with some gray compared to the known that has more gray hair, but still some black hair on the upper portion of the head (consistent with apparent age difference); similar hairline shape along the forehead and temporal peaks
34T74N	Similar	
3LFL7K	Similar	The hair on both subjects is of the same style, length, and texture. The color diffence on the known subject can be due to age difference. There appears to be a receding hairline on both.
3M7MAM	Similar	Short hair with black and white streaks.
4T9DRJ	Similar	similar hair line albeit short.
6JZ4ZJ	Similar	Forehead hairline ,shape spatial distribution
7B6GQY	Similar	
7PHQBF	Similar	Hair color of the probe and candidate appears to be similar. Both images have a salt and pepper look to their hair. The hairline of the probe and candidate appears to be similar between the probe and candidate.
89T2WX	Similar	The hair color is slightly different.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in color and texture. Salt and pepper coloring of both known and unknown images. Receding portion and the hair growth pattern is consistent. Known and unknown images have a portion in the center of the forehead that extends further down on the forehead that is similar. The temple hair growth is in similar location and shape on the sides of the head.
9GLTHW	Similar	short length and color tonality distribution are consistent, with white and dark spots in similar locations; texture is difficult to compare due to quality of unknown; hairline shape appears to be similar
9KFMFY	Similar	Known(1) appears to have slightly more white tone to hair than Unknown(2) which can be from age difference; left/right and forehead hairline follow similar curve/shape; similar short cut to hair
9U4MPG	Similar	
AKVB9D	Similar	balding/receding hairline, limited comparison due to image quality
B2Z6FC	Similar	Difficult to compare due to the unknown being blurry. Appear to have similar hairlines
BZH38T	Similar	The hair texture is similar.
CKPXLT	Similar	Similar hair tone and style. Forehead, right and left side hairline shape.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	appears darker in unknown
DA6QFC	Inconclusive	

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Image Set Q2: Table 4.2(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Hair – Similar hair texture, cut, and style inconsistent hair color. Known is more salt than pepper while Unknown has more pepper than salt which may be attributed to age difference of subject
EGYH2B	Unable To Compare	
ELRHHR	Similar	same hair growth pattern, one profile's is obscured
FBEYWM	Similar	
FZRJT8	Similar	The hair appears to be of similar texture, length, color, and style in both images.
H2WQ96	Similar	Hairline appears similar and both have closely cropped hair. Hair appears more grey in known, but there appears to be a difference in age between the two images.
HFB7XM	Similar	
HRQ6L4	Similar	similar positioning, style, length, density, and texture; slight color difference possibly due to age.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is similar in salt and pepper color/length/pattern. Hairline is similar in shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Hair color and texture similar between known and unk. Hairline is consistent across known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	both have dark hair with gray, hairline is similar, hair is longer in the known
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have equally very short dark hair with gray/white hair scattered throughout and a receding hairline
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Right and left hairline appear similar in shape; K appears to have widow's peak not present in U, may be due to lighting/image quality; hair appears to have variation in tone however appears dissimilar in color, may be due to aging.
PRMQFV	Similar	Length of the hair is similar, short on both subjects. Tone of the knowns hair has more gray. Style of the hair appears to be similar. Curvature of the hairline appears to be rounded on known and unknown. The fullness of the hair is similar, minimum balding or receding on subjects.
PVM3BV	Similar	both subjects appear to have short black/grey hair and the hairline appears to follow a similar contour along the top of the forehead

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Image Set Q2: Table 4.2(d) - Hair

WebCode	Observation	Feature Notes
PWHKDW	Similar	
PWYRHE	Similar	Gray hair
PX9LGZ	Similar	Similar tone, texture and hairline.
PY46H2	Dissimilar	Limited difference in location of hairline- age
Q49MUY	Similar	
QTWDAF	Similar	The hair appears to be greyer on the known, however starting to grey on the unknown as well. The hairline appears to have a similar shape with a higher right side and lower on the left. The temple area appears to be flat on both subjects.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Similar	Both have similar hair texture and greying, both have similar frontal and side hairline curvatures
TBLBPC	Inconclusive	white hair because of age
U6E77R	Similar	both have similar receding hair line
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar hairline, length, and coloring coloring (consistent with aging). No prominent peaks along hairline.
XQMJNP	Similar	Both subjects have very short hair with approximately the same growth pattern. Known hair is coarse and "salt and pepper" in color. Due to quality of image, it is hard to determine coloring and texture of unknown hair.
XTNLEQ	Similar	Forehead hairline hair
XYERF8	[Not Reported]	Similarities: Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape - Dissimilarities: Hair: tonality - Not comparable: Hair: shape/spatial distribution, texture, symmetry, density, Cranial baldness pattern: shape, distribution
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Hair

Total Participants: 60

Response	Percent Reported
Similar	54 (90.0%)
Dissimilar	2 (3.3%)
Inconclusive	2 (3.3%)
Unable to Compare	1 (1.7%)
Not Applicable	1 (1.7%)

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Image Set Q2: Table 4.2(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar forehead width and length; similar brow ridge prominence; similar frontal lines in shape, location and prominence; similar prominent glabellar crease extending vertical into the forehead from between the eyebrows
34T74N	Similar	
3LFL7K	Similar	The prominence of the forehead on each is consistent and the brow ridge appears the same. The slope of the forehead shows no significant difference.
3M7MAM	Similar	High forehead with basically identical shape.
4T9DRJ	Similar	similar hair line, simlar forehead creases and shape
6JZ4ZJ	Similar	Forehead creases, supra orbital margin and vertical glabellar lines similar, overall forehead are similar
7B6GQY	Similar	
7PHQBF	Similar	The shape of the forehead appears to be similar between the probe and candidate. The contour of the forehead looks to be similar as well.
89T2WX	Similar	The forehead wrinkles and the degree of prominence of the brow bone are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Same width across the forehead. The distance from top of the brows to the hairline appears consistent. The frontal crease lines up and are in the same placement. The fuller crease across the lower portion of the forehead slopes downward in a similar fashion in both images. The distinct “11” crease between the brows is consistent.
9GLTHW	Similar	rounded contour, distinct depressions at the temples, uneven musculature, and brow ridge prominence are similar; the two prominent curved frontal lines that span across the entirety of the forehead and the two shorter ones above each brow are similar in location, distribution, alignment, and depth, however known’s appear to be slightly more prominent, which could be attributed to age and quality differences; the singular vertical glabellar line is consistent in length, shape, location, and depth
9KFMFY	Similar	similar relative width/height of forehead; similar brow ridge prominence
9U4MPG	Similar	
AKVB9D	Similar	wide, rounded, prominent brow ridge
B2Z6FC	Similar	Similar width and height. Both brow ridges appear to protrude the same way.
BZH38T	Similar	The shape of the forehead is similar.
CKPXLT	Similar	Similar forehead width and height.
CUYZ8T	Similar	
D2QZYQ	Similar	creases similar and in relationship in one another
DA6QFC	Similar	

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Image Set Q2: Table 4.2(e) - Forehead

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Forehead – Individuals have a rounded hourglass shaped forehead illumination in top 1/3rd in subjects', also Unknown evenly illumination with left more visible than right maybe due to light source in image. Left protruding notch just below hairline and in line with left eye. Horizontal crease that run parallel to each other in the lower half of forehead with the lower one being more prominent than the and the upper one barely visible in Unknown
EGYH2B	Similar	
ELRHHR	Similar	same geometric analysis
FBEYWM	Similar	
FZRJT8	Similar	The forehead appears to be of similar size and shape on both. Both have similar frontal lines.
H2WQ96	Similar	Similar height and width. Similar brow ridges.
HFB7XM	Similar	
HRQ6L4	Similar	similar shape and size; similar brow ridge shape and continuity.
HUCPQ8	Similar	
HYQFYM	Similar	Appear similar in height, browline, vertical glabellar lines and visible frontal lines.
JL2M67	Similar	
K3KWNM	Similar	Forehead is similar in length/width. Frontal lines are similar in location/quantity/shape/length/depth. Glabellar line is similar in location/length/shape/depth. Frontal bone is similar in prominence/shape/location.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Due to poor quality of unk, comparison is somewhat limited but what can be seen is consistent across known and unk. Brow ridges are similar. Frontal creases follow similar routes. a Lower frontal line is intersected by vertical crease between eyebrow. This vertical crease flows down into nasal root in a similar fashion in both the known and unk. Flow of frontal creases(Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	height is similar, width is similar, frontal lines are similar, mark on the upper left side in the known that doesn't appear to be present in the unknown but is could be due to quality/age
LQZ4DH	Similar	Forehead shape
P6CLXG	Similar	

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Image Set Q2: Table 4.2(e) - Forehead

WebCode	Observation	Feature Notes
PD3BCW	Similar	Both known and unknown have a narrow forehead curved up in a smooth oval, framed by temples that draw in tight. Each has a high, receding hairline. Both known and unknown have two deep-set, parallel creases cut across the expanse of the skin like lines drawn with purpose, as if years of thought has etched them there by hand. Each image has a sharp and shadowed, single vertical glabellar line splitting the space like a blade, a silent record of a life lived in quiet concentration.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Forehead appears similar in relative height; forehead appears wider in U, may be due to perspective distortion; brow ridge prominence appears similar in both.
PRMQFV	Similar	Shape of the forehead is similar. The length of the forehead is similar. Forehead has a similar level of protrusion.
PVM3BV	Similar	forehead appears to be similar in size between subjects - frontal creases can be seen on both subjects and appear to be similar in angle along the forehead - glabellar crease appears to be present at the top of the nasal region between the eye brows and appears to be consistent in size and prominence between subjects
PWHKDW	Similar	
PWYRHE	Similar	wide forehead with receding hairline
PX9LGZ	Similar	The proportions and shape of the forehead are similar. Brow ridges are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The forehead appears to be large on both subjects. The brow ridge appears to be pronounced on the lateral portions. The forehead is more pronounced toward the middle than the lateral portions.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Similar	Both have similar forehead shapes and sizes, similar contouring on sides, similar frontal line positions and curvatures, similar vertical glabellar line coming up on lower forehead in similar position
TBLBPC	Similar	
U6E77R	Similar	shape and heigth/width is similar, as well as prominence of brow ridges
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar tall and wide forehead, similar contour, similar frontal eminences and brow ridge.
XQMJNP	Similar	Both subjects have a high forehead. Forehead creases/ lines appear to be in same location, same size, and same spacing between the lines.
XTNLEQ	Similar	• Relative height • Relative width Brow Ridges • Prominence • Continuity
XYERF8	[Not Reported]	Similarities: Forehead shape: relative height, relative width, slope/contour, Brow ridges: prominence, continuity

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Image Set Q2: Table 4.2(e) - Forehead

WebCode	Observation	Feature Notes
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Forehead		Total Participants: 60
Response	Percent Reported	
Similar	60 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q2: Table 4.2(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar eyebrow color; similar shape and prominence; similar location of the eyebrows to the rest of the face with the right eyebrow appearing to be located slightly higher than the left eyebrow; similar medial distance between the eyebrows; similar distance between the eyebrows and eyes; similar growth density
34T74N	Similar	
3LFL7K	Similar	The eyebrows of each subject are similar in shape, length, style and relative position on the face. There is a prominent vertical crease in the middle of the brows.
3M7MAM	Similar	Thick short eyebrows with the right one higher than the left.
4T9DRJ	Similar	similar shape and position.
6JZ4ZJ	Similar	shape and size
7B6GQY	Similar	
7PHQBF	Similar	The growth pattern and thickness of the eyebrows appears to be similar between the probe and candidate.
89T2WX	Similar	Similar, with square-shaped eyebrows.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar color and shape of brows. The start of the brows in relation to the bridge of the nose appears consistent. The brows are bushy/full and rectangular in shape in both images.
9GLTHW	Similar	compact size, extreme thickness, long hair length, and rectangular-like shape are consistent; end locations are similarly aligned with the medial and lateral canthi; distance between the medial ends and approx. distance above the eyes is consistent
9KFMFY	Similar	similar curve/shape/size/thickness of eyebrows; similar distance between eyebrows
9U4MPG	Similar	
AKVB9D	Similar	bushy, irregular shape, similar start/stop locations over both eyes
B2Z6FC	Similar	Both have similar shaped eyebrows. The right brow is slightly higher than the left. Both have less hair towards the lateral part of the eyebrow
BZH38T	Similar	The eyebrow shape and thickness are similar.
CKPXLT	Similar	Similar eyebrows tone, shape, size, placement, thickness and asymmetry.
CUYZ8T	Similar	
D2QZYQ	Similar	thick and dark internally then thin/light externally
DA6QFC	Similar	

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Image Set Q2: Table 4.2(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Eyebrows – Individuals have a visible horizontal creases, one on either side of glabellar line on subject prominent brow ridge about .5 inches from eyebrows. Subject's have striking eyebrows that are almost rectangle/box like, thick, with hair densely packed together. Faint vertical glabellar line and/or mark appears to be in the middle of Unknown's nasal root is consistent in location and length of Known, Knowns is deeper possibly due to age of subject..
EGYH2B	Similar	
ELRHHR	Similar	same geometric measurement, length, position, density, texture, and color
FBEYWM	Similar	
FZRJT8	Similar	The eyebrows are of similar size, shape, color, and distance from eachother in both images.
H2WQ96	Similar	Appear full and rectangular in shape with the lateral eyebrows stopping short of reaching the space above the lateral canthus.
HFB7XM	Similar	Similar placement, shape and thickness.
HRQ6L4	Similar	similar color, positioning, length, tilt, and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Similarly dark in color, thick in texture, narrow horizontally.
JL2M67	Similar	
K3KWNM	Similar	Eyebrows are similar in size/shape/location/dark color/contour/thickness
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Eyebrow thickness and placement on brow ridges is similar in both known and unk. Angles of eyebrows which follow brow ridge angles are consistent from known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape is similar, thickness is similar, color is similar, distance apart is similar, vertical glabellar line is similar, distance to eyes is similar
LQZ4DH	Similar	Right and left eyebrow
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have short, wide eyebrows that do not extend beyond the natural brow line horizontally. Each has dark, dense hair giving the appearance of a thick texture. The brow of both known and unknown are slightly overhanging, creating a shadow over the eyes. Each has short, yet expansive eyebrows that are reminiscent of classic comedy icons.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyebrows appear similar in size/shape/color/width apart/angle/beginning and ending points/relationship to eyes/density.

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Image Set Q2: Table 4.2(f) - Eyebrows

WebCode	Observation	Feature Notes
PRMQFV	Similar	Eyebrows are thick on both subjects. Growth pattern is similar, continuous growth throughout the brows. Tails of the eyebrows end in similar locations. Distance of the brows from the eyes is similar. Similar lighter tone of the skin surrounding the eyebrows.
PVM3BV	Similar	the brow ridge appears to be similar in prominence between subjects, shape and thickness of the brows appear to be similar
PWHKDW	Similar	
PWYRHE	Similar	Scratching
PX9LGZ	Similar	Thichk eyebrows and similar asymmetry between the right (more up) and left (more down) eyebrow.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The brows appear to be short, squared, and dark on both subjects. The right brow is higher than the left on both subjects. The distance between the brows appears consistent.
QYFHZU	Similar	The eyebrows are the same shape and size.
R273NE	Similar	similar thicknesses in both brows, similar starting and ending points in both brows, similar growth pattern and peak position in both brows for both known and unknown
TBLBPC	Similar	
U6E77R	Similar	left and right are similar in shape, length and width.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar. Eyebrows lack definition in their shape with prominent medial eyebrow hair density and limited lateral eyebrow hair density. The horizontal end positions of the medial eyebrows are closer to the midline than the medial canthi.The right eyebrow is higher than the left eyebrow, more so in the Unknown than the Known.
XQMJNP	Similar	Both subjects have short thick/ tall eyebrows. Eyebrows stop before the outer edge of both eyes (both subjects)
XTNLEQ	Similar	Right Eyebrow Left Eyebrow -shape -size Density of hair within eyebrow and distribution of density
XYERF8	[Not Reported]	Similarities: Shape, Size - Dissimilarities: Position, Density of hair, Asymmetry - Not comparable: Conjoined, Hair details
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q2 Eyebrows		Total Participants: 61
Response	Percent Reported	
Similar	61 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q2: Table 4.2(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall size and shape; similar orbital depth; the known has more prominent superior palpebral creases, but difficult to compare to unknown due to image resolution issues and difference could also be due to age difference; similar shaped and prominent infraorbital creases; the known has more prominent crow's feet creases (consistent with apparent age difference)
34T74N	Similar	
3LFL7K	Similar	The eyes show consistency in relative distance, size, color, and width. The inferior palpebral crease also appears similar on both.
3M7MAM	Similar	Noticeable under-eye grooves with similar shapes.
4T9DRJ	Similar	similar color, similar shape, creases around eyes similar
6JZ4ZJ	Similar	Visibility of the crease above the upper eyelid, lower eyelid prominence
7B6GQY	Similar	
7PHQBF	Similar	The medial canthus of the eyes appears to be similar in shape. The shape of the lateral canthus appears to be similar as well. The shape of the eyes appears to be similar as between the two images.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar almond shape with dark eye coloring. The upper lids are heavy in appearance. There is a consistent mark/mole under the left lower lid. The under eye bag/creases are consistent in placement and width.
9GLTHW	Similar	approx. intercanthal distance and degree of hoodedness are consistent; overall shape, small size, and prominence are similar; iris to sclera ratio and discoloration of the sclera are similar; elongated shape of medial canthi and caruncle visibility/ prominence appears to be similar, but is difficult to compare due to unknown's image quality; known's left eye is double hooded but that is unable to be seen on unknown; asymmetrical curved shape and prominence of superior palpebral crease is similar; concaved shape, size, quantity, and depth of the periorbital creases are similar; rounded shape and prominence of the infraorbital creases is similar; the puffiness of the area below the eyes is similar in appearance
9KFMFY	Similar	similar shape/curve/prominence of left/right inferior palpebral crease; angle of left/right lateral canthi appear similar relative to medial canthi; left/right medial canthi appear to have similar shape/angle; relative approx. distance of right/left medial canthi to lower end of medial ends of left/right eyebrows similar
9U4MPG	Similar	
AKVB9D	Similar	asymmetrical in appearance (right appears higher), limited comparison due to low quality image
B2Z6FC	Similar	both have similar eye fissures with inferior and superior palpebral creases around both eyes. Hard to compare fine details due to unknown being blurry
BZH38T	Similar	The eye shape is similar.
CKPXLT	Similar	Similar eye shape, size and asymmetry, superior palpebral crease shape, inter-eye distance and upper eye-lid asymmetry.

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Image Set Q2: Table 4.2(g) - Eyes

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	creases and marks under eyes similar
DA6QFC	Similar	
EGJRJR	[Not Reported]	Eyes – Unknown has a freckle, mole, growing flesh, and/or facial mark on lower left eyelid. Subjects where overall eye shape, distance from each other, iris to scalar ratio inferior orbital grooves are consistent. Fleshy lower lid and bags that under sit significantly lower are larger in Known than Unknown possibly due to age difference in subjects and gravity. Superior palpebral crease of left eye start in this area and extends past lateral canthus meeting left lateral orbital line before forming its own line visually easier to identify in Known due to image quality.
EGYH2B	Similar	
ELRHHR	Similar	same eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Similar	
FZRJT8	Similar	The eyes between both are of similar size, shape, and color.
H2WQ96	Similar	Intercanthal distance, eye fissure, and inferior palpebral furrow appears similar. There's a really deep crease between the eyes in both images.
HFB7XM	Similar	Similar placement.
HRQ6L4	Similar	similar size, color, spacing; similar shape and angle of medial and lateral canthus; similar contour of eye fissures and thickness of lower eyelids.
HUCPQ8	Similar	
HYQFYM	Similar	Oval fissure, somewhat wide upper eyelid, distinct superior palpebral crease, light inferior palpebral crease similar.
JL2M67	Similar	
K3KWNM	Similar	Eyes are similar in location/shape/size. Distance between eyes is similar. Sclera is similar in light color. Pupil is similar in dark brown color. Eye fissure is similar in shape. Superior palpebral crease is similar in location/shape. Inferior palpebral crease is similar in location/shape. Medial canthus is similar in location. Lateral canthus is similar in location/shape. Infraorbital crease is similar in location/shape/length/depth. Moles, facial markings are similar in location/size/shape/color.
KEBXX2	Similar	
KHWG47	Unable To Compare	Focus/lack image detail
L7ZVC2	Inconclusive	Eye color is similar but poor quality of unknown makes definitive comparison not possible. Overall eye shapes and sizes are similar in both known and unk. Known quality of photo allows to see two superior palpebral creases not seen in unk due to poor quality. Interpupillary distances seem similar in both known and unk. Orbital symmetry is consistent but unk seems to have a lower right orbial. (Inc)
L8289G	[No observations reported for this feature.]	

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Image Set Q2: Table 4.2(g) - Eyes

WebCode	Observation	Feature Notes
LADNAL	Similar	shape is similar, superior palpebral creases are similar, medial canthus shape is similar, inferior palpebral creases are similar – the know appears to have more but that's due to age/quality, eye color is similar, sclera is similar, crows feet are similar
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown images both have deep-set eyes that are framed by high-arched upper eyelids contrasted by straight lower eyelids without significant curvature. There is a raised, dark lesion below the left eye that stands out against the surrounding skin that is equal in placement, size and shape on both known and unknown images. . Crow's feet fan out and curve upward from the corners of the eyes, they are deep and well-defined. Below each eye are distinct infraorbital creases that curved gently, equally framing the fullness of the tissue beneath each of known and unknown's eyes
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Overall shape of eyes appears similar in both; superior palpebral creases appear more defined in K and appears dissimilar in quantity, may be due to aging/image quality; right medial canthus appears similar in shape/angle/length; right medial canthus is too poor quality for comparing in U; inferior palpebral creases appear similar in shape and definition, appears quantity is dissimilar; r/l iris appears larger in size on K, may be due to perspective distortion; sclera appears similar in discoloration in both eyes on U & K; facial mark under left eye appears similar in size/shape/color/location.
PRMQFV	Similar	Alignment of the eyes is similar. Shape of the eyes appear to be similar. Upper eyelids have a similar prominence. Left and right lateral canthus found on the known, not found on the unknown possibly due to the difference in image quality. The medial canthus is more pronounced on the known. The eyes appear to have a similar level of protrusion.
PVM3BV	Similar	general shape and size of the eyes appear to be similar - palpebral creases around the eyes appear to be similar between subjects - facial markings can be seen below both eyes and appear to be similar in shape, size and location
PWHKDW	Similar	
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Similar	Shape of the eyes is similar.
PY46H2	Similar	asymmetry- right vs left.
Q49MUY	Similar	
QTWDAF	Similar	The eyes appear to have a similar distance between them. The right eye appears to be higher than the left on both subjects. The fissure of the eyes appear to be similar. The medial canthi appear to be thin and point down on both subjects. The lower fissure appears to be straight across to the lateral canthi.
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure is similar. The medial and lateral canthus are obscured in the unknown image due to a blurred image. The upper and lower eyelids are similar with the inferior palpebral crease in common.

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Image Set Q2: Table 4.2(g) - Eyes

WebCode	Observation	Feature Notes
R273NE	Similar	similar eye shapes and sizes, similar eyelid shapes shapes, similar under eye line positions and curvatures, similar medial canthus shapes, similar interpupillary distance between eyes in known and unknown
TBLBPC	Similar	
U6E77R	Similar	lower eyelids are similar shape and prominence. Medial canthus is not clear in unknown subject
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Eye area appears more prominent in Known, could be due to slight perspective distortion in image. Similar intercanthal distance and eye fissure opening. Upper eyelids are visible with deep superior palpebral furrows. Similar sagging in undereye area and similar infraorbital creases. Amount of visible sclera is consistent. Unable to clearly see definition of canthi in Unknown.
XQMJNP	Similar	Eye shape appears similar between subjects. Both subjects have dark facial marks under the eyes--3 under the left eye and 1 under the right eye. "Puffiness"/ loose skin appears similar under both eyes on both subjects.
XTNLEQ	Similar	Inter -Eye Distance Right Eye Fissure Opening Left Eye Fissure Opening Right Upper Eyelid Left Upper Eyelid Right Lower Eyelid Left Lower Eyelid Iris Sclera Inferior palppebral crease
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Eye fissure opening: shape, angle, Asymmetry, Sclera: visibility, Lateral canthus: shape, angle - Dissimilarities: Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, visibility of the infraorbital furrow - Not comparable: Interpupillary distance, Eyeball prominence, Iris: visibility, diameter relative to eye opening, position relative to eye opening, irregularity of iris, Medial canthus: caruncle, shape, angle
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Eyes

Total Participants: 61

Response	Percent Reported
Similar	58 (95.1%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	2 (3.3%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar fullness to the cheeks
34T74N	Similar	
3LFL7K	Similar	Both subjects' cheeks lack prominence. The creases and facial marks on both are consistent.
3M7MAM	Similar	Similarly full cheeks, with the right cheekbone slightly higher.
4T9DRJ	Similar	similar cheeks, known seems older with deeper creases
6JZ4ZJ	Similar	Cheekbone, cheek shape
7B6GQY	Similar	
7PHQBF	Similar	The shape and fullness of the cheeks appears to be similar between the probe and candidate. The protrusion of the cheek bones looks to be consistent.
89T2WX	Similar	Similar, with similar cheek folds.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in the overall triangular shape of the upper cheek leading to the bottom half of the cheeks. There are consistent marks/moles both upper right and left cheeks. The nasal creases are consistent in placement and shape.
9GLTHW	Similar	shape, small size, musculature, and relatively flat appearance are similar; diagonal alignment, high placement, and lack of protrusion of the cheekbones are similar; there are several facial marks scattered throughout the cheeks and under eye regions that are consistent in irregular/ asymmetric shape, dark pigmentation, varying size, texture, raised appearance, and alignment with respect to each other
9KFMFY	Similar	similar shape to cheeks
9U4MPG	Similar	
AKVB9D	Similar	similar creases and prominent facial marks noted, limited comparison due to low quality image
B2Z6FC	Similar	Both have similar shaped cheeks. Both have a mark under the lateral side of the right eye and 3 marks in a triangular shape under the left eye
BZH38T	Similar	The cheekbones are similar.
CKPXLT	Similar	Similar cheek bone minimal prominence and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and creases
DA6QFC	Similar	

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Image Set Q2: Table 4.2(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Cheeks – Illumination in cheeks in subjects' are the same as is freckle, mole, growing flesh, and/or mark in the lateral region of inferior palpebral crease. Aubjects have flat cheeks with nasolabial folds consistently starting at subject's ala. Nasolabial fold angles are consistent but are prominent in Known due to age and image quality. Individuals have a raised area on right cheek in line with lateral canthus of right eye this appear more like shadows in Unknown possibly due to subjects smirk and lighting. 2 circular facial mark, freckle, mole, growing flesh, and/or skintag below right eye, one at left nasolabial fold and the other in line with it, both forming base of a triangle to similar mark on subjects left lower eyelid.
EGYH2B	Similar	
ELRHHR	Similar	same in shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The cheeks are of similar size, shape, and color between both. There are similar facial marks on both. They both have similar nasolabial folds, and infraorbital creases.
H2WQ96	Similar	Shape appears similar. Slightly more full in the unknown, but there appears to be an age difference between the two images.
HFB7XM	Similar	Right cheek fuller and has more lateral protrusion.
HRQ6L4	Similar	similar fullness of cheeks; similar shape and prominence of cheekbones.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in texture and fullness. Similar facial lines and marks.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in size/shape/location. Moles, facial markings are similar in location/size/shape/color.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Lower cheek bone prominence in both known and unk. Left cheek seems to hang lower than right cheek in both known and unk. Width of face at cheekbones is similar in both known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	fullness is similar, marks on both cheeks are similar in location/size, mark near the left eye is similar, dark spot under right inferior crease is similar, nasolabial folds are similar in location/size
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Similar	

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Image Set Q2: Table 4.2(h) - Cheeks

WebCode	Observation	Feature Notes
PD3BCW	Similar	Both known and unknown images are consistent to that of an elderly man bearing the hallmarks of time and experience, etched into dark, weathered skin. The cheeks are slightly sunken from age, giving the face a distinguished angularity. There is a solitary lesion on the upper right cheek, similar in hue and form, and two discolored/darker lesions on the upper left cheek adjacent the nostril that are consistent between known and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Zygomatic bones appear similar in prominence and shape; soft tissue of cheek appears similar in fullness in cheeks; similar crease on left cheek; similar facial marks in location/size/shape/quantity/color on left and right cheeks.
PRMQFV	Similar	Fullness of the cheeks are similar.
PVM3BV	Similar	general fullness and contour of the cheeks appear to be similar - facial marks can be seen in the cheek region of both subjects and appear to be similar in shape, size and location
PWHKDW	Similar	
PWYRHE	Similar	low cheekbones
PX9LGZ	Similar	Similar in shape and proportions.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The cheeks appear to be wide and full on both subjects. Evidence of buccal creases on both subjects with a similar angle. The length of the cheeks appears consistent.
QYFHZU	Similar	
R273NE	Similar	both known and unknown have similar cheek shapes, sizes, and protrusions in both cheeks
TBLBPC	Similar	
U6E77R	Similar	right and left cheeks in both subjects have similar prominence and fulness.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar shape. Cheek area is not large and doesn't have fullness. Cheekbones are not prominent.
XQMJNP	Similar	Cheeks appear to be similar between the subjects.
XTNLEQ	Similar	Right cheekbone Left cheekbone Right cheek shape Left cheek shape
XYERF8	[Not Reported]	Similarities: Cheekbone prominence, Cheek shape - Not comparable: Dimples
XYJ9D7	Similar	

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Image Set Q2: Table 4.2(h) - Cheeks

WebCode	Observation	Feature Notes
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Cheeks	Total Participants: 61
Response	Percent Reported
Similar	61 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar shaped and prominent nasion crease; similar width to the nasal root; similar width and prominence of the nasal bridge; similar bulbous shape and prominence of the nasal tip; similar symmetrical shape of the nasal alae including attachment; similar asymmetrical shape and prominence of the nasolabial folds
34T74N	Similar	
3LFL7K	Similar	The noses on each are very consitent in symmetry, shape, length, width, height and prominence. There is no noticeable deviation to either side.
3M7MAM	Similar	Thick nostril wings and a blunt nose tip.
4T9DRJ	Similar	similar nose shape and lines
6JZ4ZJ	Similar	Nasel shape and shape overall similar
7B6GQY	Similar	
7PHQBF	Similar	The shape of the nasal base between the probe and candidate appears to be similar. The shape of the nostrils is similar between the two images. The nasal body of the probe and candidate appear to be shorter in length.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The placement of the bridge of the nose and the width and length is consistent in both images. Towards the bulb portion of the nose is more full/bubbly in appearance. The width and nasal creases are consistent in appearance and placement in relation to the canthus.
9GLTHW	Similar	overall shape, large size, and small degree of protrusion are similar; broad width and shallowness of the nasal root, width, curved shape, and length of nasal body, bulbous shape and large size of the nasal tip, significant width and symmetry of the nasal base, large size and elongated rounded shape of the nostrils, and shape, extreme thickness, and alignment of the alas with the columella are all similar; curved shape, location, and depth of the nasion crease is consistent; asymmetric positioning, length, and shape of the nasolabial folds are similar, with the right aligned higher than the left, and linear in shape but ending at the corner of the mouth, whereas the left possesses a curve and extends beyond the mouth; proximity and prominence of the nasolabial folds are similar
9KFMFY	Similar	similar width of nasal base; similar bulbous shape of nasal tip; similar shape/curve of left/right nostrils; similar thickness of alae; similar shape to outline of nasal body
9U4MPG	Similar	
AKVB9D	Similar	wide nasal tip, rounded ala, rounded nasal body, and location of nasion crease are consistent, limited comparison due to low quality image
B2Z6FC	Similar	Similar width nasal base with a rounded nasal tip. Both have a crease across the nasal root
BZH38T	Similar	The nose ridge and the nasal tip are similar.
CKPXLT	Similar	Similar nose bridge, body, tip, columella, nostrils and alae shape and size.

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Image Set Q2: Table 4.2(i) - Nose

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and creases
DA6QFC	Similar	
EGJRJR	[Not Reported]	Nose – Known has a horizontal crease across nasal root forming a T vertical glabellar lines. Shadow and/or faint vertical glabellar lines that start from Unknown's nasal root that slightly protrude with same illumination area. Same nose shape, width, and length lead into bulbous nasal tip. Columella is thick, wide, and protrudes past nasal base. further than Unknown and is wider and thicker
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width, geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The nose is of similar size and shape between both
H2WQ96	Similar	Length and width appear similar.
HFB7XM	Similar	Overall shape similar. Some details on upper nasal body are not visible due to low quality.
HRQ6L4	Similar	similar width, shape, contour, and prominence of nasal root, body, tip, and alae. Similar positioning and shape of visible portions of nostrils and columella.
HUCPQ8	Similar	
HYQFYM	Similar	Similar nasal root, body, tip and base. Wide alas. Wide columella.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in similar location on the face. Nasion crease is similar in shape/length/depth. Nasal bridge is similar in width/length. Nasal body is similar in length/width/shape/contour. Nasal bump is similar in size/width/shape/location. Nasal tip is similar in size/shape. Nostrils are similar in shape/size. Ala are similar in size/shape/thickness. Columella is similar in width. Nasolabial folds are similar in size/shape/length/depth
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nasal root width is consistent across both known and unk. width of ala is similar in both. Nasolabial fold leading down the left is deeper in both known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	nasion crease is similar, length of nose is similar, nasal base is similar, nostril shape/size is similar, tip of nose is similar in shape/size, ala thickness is similar, bridge of nose is similar
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	

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Image Set Q2: Table 4.2(i) - Nose

WebCode	Observation	Feature Notes
PD3BCW	Similar	th known and unknown images have a consistent prominent nasal structure characterized by a rounded, fleshy tip and flared nostrils, marked by a distinct transverse crease at the nasal root.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Similar nasion crease present on nasal root; length of nose appears similar in both; nasal root/body/tip all appear similar in width and shape, however appear more protruded on K, may be due to perspective distortion; shape of alae appear similar; shape of nostrils and size appear similar in both; columella appears farther extended in K, a bit wider in U, may be due to pose/perspective distortion; distance from nasal base to upper vermillion border appears similar; nasolabial folds appear similar in size/shape/asymmetry/depth/angle/location.
PRMQFV	Similar	Length and width of the nasal body is similar. Tip of the nose is bulbous on both subjects. Curvature of the nostrils appear to be similar. Columella has a similar thickness. Creases on the left and right sides of the nose is similar. Openings of the nostrils are similar in size.
PVM3BV	Similar	the nose of both subjects appear to be similar in relative size, nasolabial folds are asymmetrical in both subjects in a similar way with the left one being lower and more surrounding the mouth compared to the fold on the right side of the face
PWHKDW	Similar	
PWYRHE	Similar	Platyrrhinic nose
PX9LGZ	Similar	The nose is wide, the nasal tip and base are similar.
PY46H2	Similar	bulb/root
Q49MUY	Similar	
QTWDAF	Similar	The nasal tip appears to be irregular and indented on both subjects. The nasal body appears to be irregular and slant overall to the left on both subjects. The right ala appears to be higher on both subjects. The nostrils appear to have a similar wide and round shape. The nasal tip droops down pass the ala attachments on both subjects.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	Both have a similar line indention at nasal root at similar position, similar wdith from root down through body to base, similar nasal tip shape and size, similar ala and nostril shapes and sizes.
TBLBPC	Similar	
U6E77R	Similar	overall shape of nasal outline, length and width are similar. Similar symmetry. Nasal root has similar width. Nasal tips are round and prominent. Nasal base (alae) is thick, similar shape.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar overall nose shape. Nasal root width is similar. Nasal body is thicker and deviates to the left. Similar wide nasal base with full rounded nasal tip and thick alae. Nostril openings are wide but not deep (oblong). Similar wider columella.

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Image Set Q2: Table 4.2(i) - Nose

WebCode	Observation	Feature Notes
XQMJNP	Similar	The base of the nose is wide with large nostrils on both subjects.
XTNLEQ	Similar	Nasal Outline (Profile) • Overall Shape • Length and width • Prominence • Symmetry Nasal Root (Bridge) Nasal Body • Front View: width, length, shape, angle • Profile View: length, angle, contour Nasal Tip • Shape (in front and profile view) • Angle (e.g. up , down) • Symmetry Nasal Base • Width • Height • Deviation to the right or left Nasal Base: Alae (Wings of Nose) • Thickness • Symmetry • Shape Nasal Base: Nostrils (Nasal Openings) • Shape and size of opening • Symmetry • Hair Nasal Base: Columella (Soft Tissue beeen Nostrils) • Width and length • Relative position • Symmetry
XYERF8	[Not Reported]	Similarities: Nasal outline: shape, length, width, prominence, Nasal root: width, length, shape, depth, angle, Nasal body: width, length, shape, angle, contour, Asymmetry, Nasal tip: shape, angle, Asymmetry, Nasal base: width, height, Nasal alae: shape, thickness, Nostrils: shape, size, Columella: width, length, relative position - Not comparable: Nostrils: hair
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Nose

Total Participants: 61

Response	Percent Reported
Similar	61 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	difficult to compare the fine details of the ear due to unknown image resolution; similar overall size of the ears; similar protrusion from the side of the head; with what is visible, similar shape of the ears; similar anti-helix prominence in the right ear; similar right ear lobe shape and attachment
34T74N	Similar	
3LFL7K	Similar	The shape of the ears show no significant difference.
3M7MAM	Similar	The ears are similarly shaped and positioned.
4T9DRJ	Similar	similar outline for what is visible on left and right ears
6JZ4ZJ	Similar	Same level and outer (helix,lobe)
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the ear appears to be similar between the probe and candidate. The shape of the helix of the left and right ears looks to be consistent. The shape of the right lobe appears to be similar.
89T2WX	Similar	The visible parts are similar.
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	The right ear on both images is more visible than that of the left. The shape and length of the helix is consistent, and the small lobes are also similar. The attachment of the lobe on the side of the face is consistent in placement.
9GLTHW	Similar	components are difficult to compare due to lack of protrusion and blurred quality of unknown image; overall irregular shape, small size, lobe attachment, and lack of protrusion appear to be similar
9KFMFY	Similar	what is visible of curve/thickness of upper left/right helix appears similar; similar overall shape to outline of right ear; what is visible of protrusion of right antihelix appears similar; visible shape of right lobe appears similar; difficult to compare smaller details of ears due to quality/subject-to-camera distance for angle of face
9U4MPG	Similar	
AKVB9D	Unable To Compare	limited visibility and low quality image prevent comprehensive comparision
B2Z6FC	Similar	Similar shaped right ear with an antihelix that protrudes further out than the helix. Left ear hard to compare due to angle of known. Appears to have similar helix shape
BZH38T	Similar	The shape and the length of the ears are similar.
CKPXLT	Similar	Similar overall ear shape, size and asymmetry.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape
DA6QFC	Inconclusive	

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Image Set Q2: Table 4.2(j) - Ears

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Ears – Overall shape, size, and where it sits on subjects face is consistent. Ears are close to subjects head but left ear appear more pinned than right. Individuals have smaller ears, high antihelix, and what appears to be attached ear lobes.
EGYH2B	Similar	
ELRHHR	Similar	same shape and same earlobe
FBEYWM	Similar	
FZRJT8	Similar	The ears are of similar placement, size, and shape on both.
H2WQ96	Similar	Appear similar, but known appears pinned back more (fish eye lens).
HFB7XM	Similar	Not much visibility, but no differences.
HRQ6L4	Similar	overall prominence similar; outline of helix and antihelix similar.
HUCPQ8	Similar	
HYQFYM	Similar	Obscured due to image quality. Appear to have distinct helixes
JL2M67	Similar	
K3KWNM	Similar	Ears are similarly placed on the head. Helix is similar in contour/location. Right lobe is similar in size/shape/location.
KEBXX2	Similar	
KHWG47	Unable To Compare	
L7ZVC2	Similar	Protrusion of ears from head seem similar in both. Right pinna has a darker background in the known and contrast makes it difficult to make definitive comparison. Pinna in left ear of both is consistent with being more closely attached. The right pinna and earlobe are prominent in both known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size is ears is similar, the left ear of known is not fully visible, right ear shape is similar, helix thickness is similar, ear lobe shape/size is similar
LQZ4DH	Similar	Overall shape and protrusion, Helix, Anthehelix, Lobule (Lobe)
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown's ears appear consistent in size, shape, placement, and protrusion from head. The contour of the helix, antihelix, earlobes, superior curs and inferior crus are all consistent in contour, size and shape on both right and left ears of known and unknown. The tragus, antitragus, posterior auricular furrow and intertragic notch are not as clear for comparison due to head angle and image clarity of unknown image.
PGNVGZ	Inconclusive	

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Image Set Q2: Table 4.2(j) - Ears

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Ears appear slightly more protruded in U, may be due to perspective distortion/pose; right shape of helix and thickness on superior part appears similar; antihelix appears to protrude farther out in U, however similar in shape; right lobe appears similar in shape and size; right concha appears larger in U; left helix from what is shown is similar in thickness and shape; ears appear similar in size in both and placement on the head in both.
PRMQFV	Similar	Curvature of the helix appears to be similar from what is visible. Size of the right ear is similar. Lobe of the right ear has a similar curvature. The ears protrude in a similar way, left ear sticks out more on both subjects. The antihelix appears to have a similar prominence.
PVM3BV	Similar	general outline of the ears appear to be similar between subjects - details of the unknowns ears are not visible to make comparison notes
PWHKDW	Similar	
PWYRHE	Similar	Compatible helix and antihelix lobes
PX9LGZ	Similar	Placement of the ears is similar (very close to the head). Also the upper tip of the helix of both ears is similar.
PY46H2	Similar	right helix/lobe
Q49MUY	Unable To Compare	
QTWDAF	Similar	The right ear appears to have a similar shaping on both subjects with an angled upper helix, irregular helix structure, and a angled lobe. The left ear have a similar shaped upper helix and there is a slight outline of the antihelix on both however the rest of the ear is obstructed.
QYFHZU	Similar	The left ears are only partially visible in both images. The top portions which are can be seen are similar. The right ears have similar shape and size.
R273NE	Similar	Both have similar sizes and shapes of both ears, similar protrusions from head, similar helix shapes at top in both ears.
TBLBPC	Inconclusive	different lens/distance from camera
U6E77R	Similar	right and left helix and antihelix similar shape. Right lobe similar shape. equal protrusion and overall shape of right and left ear.
U778AU	Unable To Compare	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Eye area appears more prominent in Known, could be due to slight perspective distortion in image. Similar intercanthal distance and eye fissure opening. Upper eyelids are visible with deep superior palpebral furrows. Similar sagging in undereye area and similar infraorbital creases. Amount of visible sclera is consistent. Unable to clearly see definition of canthi in Unknown.
XQMJNP	Similar	Overall ear shape is similar between subjects. More of the right ear is visible and less of the left ear is visible on both subjects, proportionately.
XTNLEQ	Unable To Compare	Right Ear similarity -Right Ear Scaphoid Fossa Image B low quality and angle difference than Image A

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Image Set Q2: Table 4.2(j) - Ears

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities: Ear protrusion, Asymmetry, Overall ear: size, shape angle – right, Helix: size, shape, Lobe: size, shape – right - Dissimilarities: Antihelix: size, shape – right- Not comparable: Overall ear: size, shape angle – left, Tubercles: size, shape, quantity, Antihelix: size, shape – left, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: attachment, Abnormalities
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Ears

Total Participants: 61

Response	Percent Reported
Similar	52 (85.2%)
Dissimilar	0 (0.0%)
Inconclusive	4 (6.6%)
Unable to Compare	5 (8.2%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall size and symmetry of the mouth; similar shape of the upper lip; similar protrusion and prominence of the lower lip; similar area of lighter pink/red area on the lower in shape and size; the known has various lip creases that aren't visible in the unknown, but could be due to aging or image resolution issues
34T74N	Similar	
3LFL7K	Similar	On both subjects, the mouths appear the same in shape, symmetry, and fullness. There is no noticeable philtrum and the mouth outline is consistent.
3M7MAM	Similar	The mouth shapes look similar.
4T9DRJ	Similar	similar shape and outline.
6JZ4ZJ	Similar	Overall mouth (shape, symmetry),mentolabial sulcus
7B6GQY	Similar	
7PHQBF	Similar	The shape of the upper lips as well as the lower lips appears to be similar between the probe and candidate. The fullness of the lips does appear to be similar as well. The upper vermillion border appears to follow a similar path. Both the probe and candidate appears to hava a very small if not existing cupid bow. The mouth fissure appears to be similar between the probe and candidate.
89T2WX	Similar	Full lips, with a flat upper lip peak.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Consistent in full/fat upper and lower lips. The vermillion border on the upper lip is consistent in coloration and width. The light coloration on the bottom lip in the center portion is consistent in both images. The distance from upper lip to under the nose is similar in both the known and unknown.
9GLTHW	Similar	overall shape, large size, and degree of protrusion are similar; rounded upper vermillion border and ala shape, and squared-off shape of the lower vermillion border are consistent; linear fissure shape, with right end angled up and left end down, is similar; fullness of the lips and uneven tonality with the upper lip darker than the lower 2-toned lip is similar; the distance below and manner in which the mentolabial sulcus follows the shape of the lower vermillion border is consistent; approx. distance between the columella and upper vermillion border is similar; width, short length, and shallowness of the philtrum is similar
9KFMFY	Similar	similar shape/curve to upper/lower vermilion border; similar shape/fullness of upper/lower lips; overall shape of mouth similar; similar protrusion of lower lip; similar thickness to upper/lower lips
9U4MPG	Similar	Size and shape
AKVB9D	Similar	fissure of mouth and and downward angle at lateral corners, vermilion border appears consistent in both images, finer details not noted due to poor quality image.
B2Z6FC	Similar	Similar mouth fissure. Both have thick upper and lower lips with a similar shaped vermillion border. Upper right side of both lips is slightly larger than the left

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Image Set Q2: Table 4.2(k) - Mouth

WebCode	Observation	Feature Notes
BZH38T	Similar	The shape and thickness of the lips are similar.
CKPXLT	Similar	Similar overall mouth shape and size, Cupid's bow shape, upper and lower lip shape and tone, vermillion border shape and, sulcus angle and shadow.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and curvature
DA6QFC	Similar	
EGJRJR	[Not Reported]	Mouth – Faint philtrum appears to be narrow and shallow leading into Known's rounded upper vermillion boarder, full lips with the upper and bottom being the same thickness and a straight fissure. Unknown's philtrum is not visible but mustache growth pattern is consistent with Knowns. Fissure is straight is both individuals who's tori of lower lip is pink compared to the rest of subjects lips, but is brighter in Unknown. Left marionette line is vertical and longer than right which is angled outward and stop prior to right corner of mouth.
EGYH2B	Similar	
ELRHHR	Similar	same shape and texture
FBEYWM	Similar	
FZRJT8	Similar	The mouth is of simlar size and shape on both. The vermilion border and cupid's bow is similar.
H2WQ96	Similar	Philtrum, upper and lower lip, and lip fissure appear similar. Upper and lower vermilion borders appear prominent and similar. Mentolabial sulcus appears similar.
HFB7XM	Similar	Similar outline, shape and placement.
HRQ6L4	Similar	width of mouth similar; lips appear similar in shape and fullness; vermillion borders similar in shape and contour; lip fissures similar in contour.
HUCPQ8	Similar	
HYQFYM	Similar	Larger sized fissure, alae and tubercle of upper lip distinct.
JL2M67	Similar	
K3KWNM	Similar	Mouth is placed in a similar location on the face. Vermillion border is similar in shape/contour. Upper and lower lips are similar in size/shape/color/thickness. Philtrum is similar in location size/width/length. Some lip creases on bottom lip are similar in location. Marionette lines are similar in location/shape. Buccal crease is similar in location/shape/size.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Similar overall size and shape. Angle of mouth, with the right side having higher placement on face than left side is consistent. Vermillion line around both the known and unk mouth is similar. (Sim)
L8289G	[No observations reported for this feature.]	

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Image Set Q2: Table 4.2(k) - Mouth

WebCode	Observation	Feature Notes
LADNAL	Similar	lip thickness is similar, fissure of mouth is similar, marionette lines are similar, cupid bow is similar, philtrum is similar, vermillion border is similar
LQZ4DH	Similar	Overall shape, upper lip, Filtrum, lower lip
P6CLXG	Similar	
PD3BCW	Similar	The lips are gently closed, revealing an upper lip that extends slightly longer than the lower. The upper and lower lips have numerous fine creases often associated with the natural aging process. Notably, the philtrum is smooth and indistinct, lacking defined philtral columns. This absence of definition contributes to a flattened appearance in the midline of the upper lip . Adjacent to the sides of the mouth are the buccolabial grooves that extended from the corners of the mouth toward the lower jaw. Below the lower lip, there is a thin crease across the area of the mentolabial sulcus that delineates the transition between the lower lip and the chin.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Overall size of mouth appears larger in K, may be due to perspective distortion; upper vermilion border similar in shape and definition; lower vermillion border is similar in shape and definition; fullness of upper and lower lips appear similar in fullness and shape; lower lip appears similar in variation in tone; lips appear more textured on K, may be due to quality/hydration; mentolabial sulcus appears similar in location but appears wider in K and more defined from what is visible.
PRMQFV	Similar	Fullness of the lips are similar. Tone of the lips are similar, dark brown on both subjects. Prominence of the upper vermillion border is similar. Upper vermillion border goes across the whole upper lip on known and unknown. Fissure has a similar opening, straight on both subjects. Creases found on the upper and lower lips of the known, not found on the unknown possibly due to the difference in image quality. Marionette lines are found in similar locations, are similar in length and have a similar prominence.
PVM3BV	Similar	the shape and outline of the upper and lower vermilion border of the mouth appear to be similar - thickness of the lips appear similar - creases around the mouth appear to be similar
PWHKDW	Similar	
PWYRHE	Similar	thick lips and big mouth
PX9LGZ	Similar	The shape of the Vermillion boarders and lips are similar.
PY46H2	Similar	Upper vermillion border
Q49MUY	Similar	
QTWDAF	Similar	The mouth appears to be large with relatively evenly sized lips. The upper vermillion border has a similar coloration and contour. A section of miasma is visible on both subjects. The lower vermillion border appears to be thick on both subjects. The philtrum is relatively flat on both subjects. The lower lip protrudes in a similar fashion on both.
QYFHZU	Similar	The mouth is the same shape and size.
R273NE	Similar	Both have similar top and bottom lip shapes and sizes, similar fissure curvature, similar mouth end shapes

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Image Set Q2: Table 4.2(k) - Mouth

WebCode	Observation	Feature Notes
TBLBPC	Similar	
U6E77R	Similar	upper and lower lip have similar shape, fullness and protrusion. Lip fissure same symmetry. Upper vermilion both have similar shape.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar shallow, undefined philtrum. Similar mouth shape and symmetry. Similar Cupid's bow shape. Similar fullness in upper and lower lip. Similar coloring. Known has visible lip creases that are not visible in the Unknown due to image quality. Similar medial sulcus shape and distance from lower lip.
XQMJNP	Similar	The mouth is wide with large ips and a slight cupids bow on both subjects. Facial hair growth pattern above upper lip is similar on both subjects.
XTNLEQ	Similar	Overall Mouth • Shape • Symmetry Upper Lip • Shape • Fullness • Protrusion • Symmetry • Detail (• Fullness • Protrusion • Symmetry
XYERF8	[Not Reported]	Similarities: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Asymmetry, Lower lip: shape, fullness, protrusion, lower vermillion border shape, detail, Lip fissure: shape, degree of contact, angle - Not comparable: Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Mouth	Total Participants: 61
Response	Percent Reported
Similar	61 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	imilar shape of the jawline; the known appears to have slightly more definition of the chin area compared to the jawline, but this could be due to aging/weight differences; similar shaped and prominent chin; the known appears to have prominent horizontal facial lines or creases in he middle of the chin, but could be due to aging or image resolution issues
34T74N	Similar	
3LFL7K	Similar	The chins of both are consistent in shape, length, width, prominence and symmetry. The jawlines show the same shape, including the gonial angle.
3M7MAM	Similar	Chin shapes are basically identical.
4T9DRJ	Similar	known slightly older but simlar shape.
6JZ4ZJ	Similar	Overall shape (symmetry)
7B6GQY	Similar	
7PHQBF	Similar	The shape of the chin appears to be similar between the probe and candidate. Both have a flat chin shape.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Rectangular jaw and chin shape. The crease that runs on the outer portions of the nose towards the side of the mouth into the chin area is consistent in placement and depth of crease. There is a deep crease/line in the sulcus area that is in the appearance of a spread out “W”.
9GLTHW	Similar	rounded shape, length, and lack of definition of the jawline are similar; width aligned with the mouth, short height, rounded square shape, and prominence of the chin are similar
9KFMFY	Similar	similar shape of chin; similar shape to curve of jawline
9U4MPG	Similar	
AKVB9D	Similar	similar angle of jawline and wide chin
B2Z6FC	Similar	Similar shaped jawline and gonial angle. Chin appears to protrude the same distance
BZH38T	Similar	The chin shape is similar.
CKPXLT	Similar	Similar chin and jawline shape, size and angle.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	[Not Reported]	Chin/Jawline – Jowl sulcus is visible on left side of Known, an affect of aging. No sharp jawline. Chin is prominent, square, and protrude forward. Knows chin has a jagged crease half way from mouth, that follows similar shape to lower lip and is the same length as chin.
EGYH2B	Similar	

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Image Set Q2: Table 4.2(l) - Chin/Jawline

WebCode	Observation	Feature Notes
ELRHHR	Similar	same shape
FBEYWM	Similar	
FZRJT8	Similar	The chin/jawline are of similar size and shape.
H2WQ96	Similar	Appears similar in shape and size.
HFB7XM	Similar	
HRQ6L4	Similar	similar in shape, width, and prominence.
HUCPQ8	Similar	
HYQFYM	Similar	Rounded jawline, rounded chin
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in width/length/oval shape. Gonial angle is similar shape/contour. Mentolabial sulcus is similar in size/shape/location.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Chin is wide in both and bone structure is consistent in both. Known displays more jawline dorsally due to weight gain or angle? (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size/shape of chin is similar, both have a squared shape chin, jawline length appears to be similar, the known has loose skin around the jawline that isn't visible in the unknown but that's due to age/weight, mentolabial sulcus is similar
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	
PD3BCW	Similar	oth known and unknown have a similarly square jawline with a narrow/high jawline. The weight, fullness, size, shadowing and shape under the chin is consistent. Chin and gonial angle appear consistent in shape/size. and width.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears similar in size/shape/protrusion; jawline appears similar in shape and definition, appears somewhat more narrow in K, may be due to perspective distortion.
PRMQFV	Similar	Chin is squared on both subjects. Length of the chin is similar. Jawline has a similar curvature.
PVM3BV	Similar	general shape and angle of the jawline appear to follow a similar contour
PWHKDW	Similar	
PWYRHE	Similar	square chin
PX9LGZ	Similar	The jawline is strong and wide nd the chin seems slightly protruding on both images.

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Image Set Q2: Table 4.2(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The chin appears to be wide and squared on both subjects. The jawline and gonial angle appear to have a consistent shaping/angle.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	similar gonial angles on both sides, similar curvature of jawline, similar chin shape and size
TBLBPC	Similar	
U6E77R	Similar	similar chin shape and jawline shape
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar wide, square chin. Similar shape and angle of jawline. Gonial angle appears shallow.
XQMJNP	Similar	Both subjects have a similar chin/ jawline --wide square chin.
XTNLEQ	Similar	Chin (Profile and Frontal view) • Overall Shape • Length and width relative to rest of face • Prominence • Symmetry • Details ( ) Jawline (from Chin to Gonial Angle) • Shape • Definition (e.g. jowls) Gonial Angle (Angle of the Jaw) • Shape • Definition
XYERF8	[Not Reported]	Similarities: Chin: overall shape, length, width relative of rest of face, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry - Dissimilarities: Chin: prominence
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Chin/Jawline	Total Participants: 60
Response	Percent Reported
Similar	60 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q2: Table 4.2(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar relative neck width; similar neck creases in prominence and relative location
34T74N	Similar	
3LFL7K	Similar	Both subjects' necks are visible and appear similar in shape, including length and width. The creases are not very visible on the unknown subject due to photo blurriness.
3M7MAM	Similar	Neck shapes are similar with noticeable wrinkles.
4T9DRJ	Similar	more lines on known but the lines on unknown are on known.
6JZ4ZJ	Similar	Overall shape width, height ,folds
7B6GQY	Similar	
7PHQBF	Similar	The neck wrinkles between the probe and candidate appears to line up between one another.
89T2WX	Similar	Similar, but details of neck lines missing due to blurriness.
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	The width of the neck is consistent in both images. There are several neck creases visible that are consistent between the known and unknown images.
9GLTHW	Similar	width, length, prominent veins, and musculature are similar, although known's skin appears to be slightly looser than that of the unknown, but this could be attributed to age difference; known has several deep neck wrinkles dispersed throughout entirety of the neck, that aren't as apparent on unknown, which could be due to quality or age difference
9KFMFY	[Not Reported]	width of neck appears similar; Known(1) appears to have presence of more neck wrinkles than Unknown(2) with more prominence which can be from age difference; visible/present neck wrinkles of Unknown(2) have similar shape/curve/location of neck wrinkles of Known(1)
9U4MPG	Similar	
AKVB9D	Similar	Depression area at base of neck, size/shape and some creases/folds appear similar. Comparison is limited due to image quality.
B2Z6FC	Similar	Hard to compare due to clarity of unknown. Both appear to have the same shaped adam's apple
BZH38T	Similar	The length and thickness of the neck is similar.
CKPXLT	Similar	Similar neck height, width and asymmetry.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	

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Image Set Q2: Table 4.2(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Neck – Known has narrow neck, loose skin in the middle, with a horizontal crease in the center in line parallel to chin of subject not visible in Unknown. Unknown has a same crease in the middle of neck as Known but Adams apple can actually be seen since skin is more taunt above this crease. Image quality, lighting, attire worn by subjects, and age can all be attributed to dissimilarity seen.
EGYH2B	Similar	
ELRHHR	Similar	same geometric dimension
FBEYWM	Similar	
FZRJT8	Similar	The neck are of similar size and shape between both. They both have similar creases.
H2WQ96	Similar	Length and width appears similar. Even though unknown image is blurry, lines on the neck appear similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar in width and length.
HUCPQ8	Similar	
HYQFYM	Similar	Narrow, distinct neck wrinkles.
JL2M67	Similar	
K3KWNM	Similar	Neck is similar in length/width/color. Neck wrinkles are similar in location/quantity/depth.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Inconclusive	Due to poor quality of unk, neck lines are obscured. Neck has similar width and length in both. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	length of neck is similar, neck creases are similar, width of neck is similar, marks on the known neck aren't visible in the unknown due to lighting
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	There are three, parallel neck lines that run from the right side of the neck, around the front and to the opposite side, (while not as clear on the unknown image due to the blurred quality), that are consistent in length, and spacing. The neck is consistent in width, length and weight. Both known and unknown are frontal images and the neck in both images appears to have a slight tilt/lean to the left (when observing straightforward) as if it is out of alignment, sitting a little sideways on the shoulders.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Neck appears similar in width and length; several neck creases appear similar in location, appear deeper on K, may be due to image quality.

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Image Set Q2: Table 4.2(m) - Neck

WebCode	Observation	Feature Notes
PRMQFV	Similar	Length of the neck is similar. Creases on the neck are found on both subjects. The creases are more abundant and more prominent on the known, possibly due to the difference in image quality.
PVM3BV	Similar	general thickness of the neck relative to the face appear to be similar - muscle/tendons of neck appear to be similar - creases of the known appear to be more prominent but in a similar location - prominence difference could be explained by quality or aging
PWHKDW	Similar	
PWYRHE	Similar	medium-sized, marked neck
PX9LGZ	Similar	Width of the neck is similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The neck appears to have a similar thickness and angle on both subjects. There are multiple neck wrinkles in common locations and contour between the subjects – any that are not in common could be due to aging or imaging conditions.
QYFHZU	Similar	
R273NE	Similar	similar thicknesses, lines on neck similar in positions and curvatures
TBLBPC	Similar	
U6E77R	Similar	overall width and height is similar, similar horizontal pattern of wrinkles
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar width in relation to head width. Similar musculature and looseness of the skin.
XQMJNP	Similar	Creases / lines on neck appear to be relatively similar between subjects.
XTNLEQ	Similar	Height Width
XYERF8	[Not Reported]	Similarities: Overall neck: width, height - Dissimilarities: Laryngeal prominence: shape, size, prominence - Not comparable: Overall neck: details, Laryngeal prominence: location
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q2 Neck		Total Participants: 59
Response	Percent Reported	
Similar	55 (93.2%)	
Dissimilar	0 (0.0%)	
Inconclusive	3 (5.1%)	
Unable to Compare	0 (0.0%)	
Not Applicable	1 (1.7%)	

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Image Set Q2: Table 4.2(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial hair growth/grooming with both individuals having a similar shaped closely groomed mustache
34T74N	Similar	
3LFL7K	Similar	A light moustache is visible on each.
3M7MAM	Inconclusive	The known person has a clear mustache above the lip, while the unknown one's facial hair is blurry.
4T9DRJ	Similar	similar shape of mustache.
6JZ4ZJ	Similar	similar from the side and middle
7B6GQY	Not Applicable	
7PHQBF	Similar	Both the probe and candidate have a faint mustache line.
89T2WX	Similar	The distribution and length of the mustache above the upper lip are similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in light hair growth in the mustache/upper lip area.
9GLTHW	Similar	darker color, short length, growth pattern, and sparse distribution of the mustache is similar
9KFMFY	Similar	both Known(1)/Unknown(2) have similar shape of faint facial hair present above upper lip
9U4MPG	Similar	
AKVB9D	Similar	low quality image but mustache growth patterns appear similar
B2Z6FC	Similar	Facial hair growth on upper lip is similarly shaped.
BZH38T	Similar	The shape of the beard is similar.
CKPXLT	Similar	Similar growth pattern above the upper lip and end points.
CUYZ8T	Similar	
D2QZYQ	Similar	similar texture/location of mustache
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Not Applicable	not visible
FBEYWM	Similar	
FZRJT8	Similar	Both do not have any facial hair besides s slight mustache.
H2WQ96	Similar	Sparse facial hair on upper lip appears similar in thickness and shape.

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Image Set Q2: Table 4.2(n) - Facial Hair

WebCode	Observation	Feature Notes
HFB7XM	Similar	
HRQ6L4	Similar	similar (faint) color, positioning, and length.
HUCPQ8	Similar	
HYQFYM	Similar	Similar light facial hair.
JL2M67	Not Applicable	
K3KWNM	Similar	Mustache is similar in size/shape/color/location/pattern.
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Moustache pattern, thickness and placement is consistent in both. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	both have a mustache that is similar in location/size/shape
LQZ4DH	Similar	Hair above upper lip (shape, distribution)
P6CLXG	Similar	
PD3BCW	Similar	Neither known or unknown has facial hair
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Similar facial hair growth pattern and similar in length, similar space between facial hair and upper lip in both.
PRMQFV	Similar	Minimum facial hair on both subjects. The growth pattern of the mustache appears to be similar, no gaps.
PVM3BV	Similar	faint facial hair can be seen above the upper lip on both subjects
PWHKDW	Similar	
PWYRHE	Similar	same color
PX9LGZ	Unable To Compare	Blurriness of the unknown image makes it difficult to compare.
PY46H2	Similar	width/growth pattern of moustache
Q49MUY	Similar	
QTWDAF	Similar	There is a faint mustache on both subjects with a similar growth pattern.
QYFHZU	[Not Reported]	The moustache hairline follows the same pattern in each image. The possible beard pattern cannot be seen in the unknown image due to poor photo quality.
R273NE	Similar	both have faint mustaches similar in growth pattern
TBLBPC	Similar	
U6E77R	Similar	both have light mustache, similar shape

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Image Set Q2: Table 4.2(n) - Facial Hair

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar mustache shape and hair density. The superior border of the mustache is asymmetrical (right side is lower than left side). Similar rounded shape, not angular. Similar short hair growth and hair color.
XQMJNP	Similar	See above descriptions
XTNLEQ	Similar	Facial Hair Above Upper Lip Size Texture
XYERF8	[Not Reported]	Similarities: Above upper lip: shape - Not comparable: Above upper lip: shape texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Below lower lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Cheeks/chin jawline: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Neck: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Similar	

Features Observations Response Summary - Q2 Facial Hair	Total Participants: 59
Response	Percent Reported
Similar	50 (84.7%)
Dissimilar	0 (0.0%)
Inconclusive	2 (3.4%)
Unable to Compare	2 (3.4%)
Not Applicable	5 (8.5%)

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Image Set Q2: Table 4.2(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Similar	The lines of the forehead, below the eyes, and the nasolabial folds are all consistent. There is some blurriness in the unknown subject photo limiting visibility of all of the creases.
3M7MAM	Similar	Similar forehead wrinkles, vertical between-eyebrow lines, and nasolabial folds.
4T9DRJ	Similar	lines on unknown are on known.
6JZ4ZJ	Similar	features are similar
7B6GQY	Similar	
7PHQBF	Similar	The fontal lines of the probe and candidate appears to be similar between the probe and candidate. The vertical glabellar lines also appear to line up between the two images. Nasion crease looks to be similar between the probe and candidate. The right and left inferior palpebral crease appear to be similar in length and depth. The nasolabial crease between the probe and candidate look to similar in length and depth.
89T2WX	Similar	The glabellar lines, nasal tip creases, and nasolabial folds are similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted the frontal/nasal/sulcus crease/lines above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	similar shape/position/prominence of vertical glabellar line between eyebrows; similar shape/curve/position relative to one another of visible frontal lines; similar curve/prominence/shape to left/right nasolabial folds, left nasolabial fold curves lower past left corner of mouth and is more prominent for both Known(1)/Unknown(2); similar shape/prominence of nasion crease; similar shape/prominence of mentolabial sulcus; similar visible shape to left/right buccal creases; other facial lines mentioned elsewhere
9U4MPG	Similar	Including forehead wrinkles and wrinkles on the neck
AKVB9D	Similar	notable arching frontal lines, deep vertical glabellar line, infraorbital creases and nasolabial folds.
B2Z6FC	Similar	Both have 1 deep vertical glabellar line. Both have the same shaped frontal lines and nasolabial folds. The known does have a right buccal crease that is not visible in the unknown
BZH38T	Similar	The shape of the forehead wrinkles, nasolabial fold, the wrinkles on the neck, and the wrinkles on the glabella (middle area between the eyebrows) are similar.
CKPXLT	Similar	Similar forehead crease, glabellar line, nasion crease, inferior palpebral crease, infraorbital crease, nasolabial folds asymmetry, neck crease.
CUYZ8T	Similar	
D2QZYQ	Similar	many creases throughout face similar in location, curvature, relationship

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Image Set Q2: Table 4.2(o) - Facial Lines

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Similar	same dimensions and pattern
FBEYWM	Similar	
FZRJT8	Similar	Similar creases mentioned above. As well as similar vertical glabellar lines
H2WQ96	Similar	Frontal lines, vertical glabellar lines, nasion creases, infraorbital creases, and nasolabial folds appear similar.
HFB7XM	Similar	Several lines are similar. Most so frontal line and glabellar line. Nasolabial lines are also similar. Neck lines somewhat unclear also seem similar.
HRQ6L4	Similar	similar length, depth, and contour of nasolabial folds, vertical glabellar lines, infraorbital creases, frontal lines, and neck lines, as well as superior and inferior palpebral creases.
HUCPQ8	Similar	
HYQFYM	Similar	Distinct nasolabial folds, infraobital lines, distinct frontal lines.
JL2M67	Similar	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Deep nasolabial lines on left side of face in both. Higher nasolabial line on right side is consistent in both known and unk. Eye orbital lines are consistent in length and placement on face. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known has a few more creases than the unknown due to age
LQZ4DH	Similar	Frontal lines (horizontal), vertical glabelar line, nasal lines
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown images have many facial lines as previously mentioned including but not limited to; the upper and lower lips have numerous fine creases, there are three parallel neck lines, two deep-set parallel creases across the forehead, a single vertical glabellar line, crow's feet, weathered skin, distinct transverse crease at the nasal root, distinct buccolabial grooves, and a thin crease across the area of the mentolabial sulcus.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Frontal lines similar in shape/size/location, upper frontal line appears deeper in K; vertical glabellar lines appear similar in size/shape/definition/location.

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Image Set Q2: Table 4.2(o) - Facial Lines

WebCode	Observation	Feature Notes
PRMQFV	Similar	Known has two frontal lines going across the entire forehead, only one found on the unknown. Frontal line above the eyebrows have a similar prominence and found in similar locations. Vertical glabellar line is similar in length, have a similar prominence and found in similar areas. Prominence of the inferior orbital creases are similar. Nasolabial folds are similar in length and have a similar prominence. Crease found on the chin of the known, not found on the unknown, possibly due to shadowing and difference in image quality.
PVM3BV	Similar	refer to forehead, eyes, cheeks, nose, mouth and neck sections above
PWHKDW	Similar	
PWYRHE	Similar	nasolabial folds and labial folds
PX9LGZ	Similar	The nasolabial folds are similar. Horisontal and vertical creases on the forehead are similarly distinguishable.
PY46H2	Similar	forehead/ nasolabial folds/ bridge of nose
Q49MUY	Similar	
QTWDAF	Similar	There is a similar location and contour to the frontal lines on both subjects. The infraorbital creases appear to have a similar location, depth, and contour. The right nasolabial line appears to be higher than the left on both subjects. The contour and shape of the nasolabials appear consistent. There is a similar vertical glabellar and nasion crease on both subjects.
QYFHZU	Similar	The frontal and vertical glabellar lines are similar. The left and right nasolabial folds follow the same pattern in each image.
R273NE	Similar	Known and unknown have similar nasolabial line starting positions on both sides by nose, positions of nasoalbial lines going down and curvatures on both sides around mouth
TBLBPC	Similar	
U6E77R	Similar	similar horizontal pattern of frontal lines on forehead and neck. Similar vertical glabellar lines. left and right nasolabial folds are similar depth and prominence
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar transverse frontal lines, vertical glabellar crease, nasion crease, infraorbital furrows, nasolabial furrows, buccal creases, mentolabial sulcus, and neck creases. Finer lines are visible around the eyes, on the cheeks, lips, and chin that are not visible in Unknown (image quality).
XQMJNP	Similar	Lines around the nose and mouth appear similar in both subjects. See above for additional descriptions.
XTNLEQ	Similar	Frontal Lines Wrinkles on Neck Vertical glabellar line(s) Right inferior palpebral crease Left inferior palpebral crease Right nasolabial crease/folds Left nasolabial crease/folds

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Image Set Q2: Table 4.2(o) - Facial Lines

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities: Frontal lines, Vertical glabellar, Nasion crease, Infraorbital crease, Mentolabial sulcus, Nasolabial crease - Dissimilarities: Periorbital lines, Superior palpebral crease, Inferior palpebral crease, Marionette lines, Buccal creases, Wrinkles on neck - Not comparable: Lateral nasal lines, Bifid nose crease, Circumoral striae, Cleft chin, Other creases
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Facial Lines — Total Participants: 61

Response	Percent Reported
Similar	59 (96.7%)
Dissimilar	1 (1.6%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.6%)

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Image Set Q2: Table 4.2(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	not sure there are any scars.
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	Not detected.
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Dissimilar	Scar top left forehead in unknown image not visible in the known image. Given no value due imaging conditions
AKVB9D	Unable To Compare	low quality unknown image prevents any comparison of fine details
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Unable To Compare	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Not Applicable	same scar on forehead
FBEYWM	Unable To Compare	Unable to compare due to resolution of unknown
FZRJT8	Not Applicable	None visible
H2WQ96	Similar	Marks under left eye could be keloid scarring and it is consistent in both known and unknown.
HFB7XM	Not Applicable	

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Image Set Q2: Table 4.2(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	no scars visible in unknown image.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Unable To Compare	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	None appear to be present on either image.
PRMQFV	Similar	No scars observed on known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	No evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	no scars of note for either
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	

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Image Set Q2: Table 4.2(p) - Scars

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: not visible in one or both images
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q2 Scars

Total Participants: 60

Response	Percent Reported
Similar	3 (5.0%)
Dissimilar	1 (1.7%)
Inconclusive	1 (1.7%)
Unable to Compare	12 (20.0%)
Not Applicable	43 (71.7%)

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Image Set Q2: Table 4.2(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	there are four very distinct facial marks present in similar shape, location and prominence below the left and right eyes
34T74N	Similar	
3LFL7K	Similar	Facial marks, especially below the eyes and on the cheeks are very consistent.
3M7MAM	Similar	Multiple similar pigmentation abnormalities on the face.
4T9DRJ	Similar	many marks are large and are in same position on both. Three below left eye, one below edge of right eye.
6JZ4ZJ	Similar	similar in features marks
7B6GQY	Similar	
7PHQBF	Similar	Black facial marks under both eyes of the probe that are also visible on the candidate as well.
89T2WX	Similar	The location and size of the dark patches are consistent, but the unknown sample is blurry and lacks detail texture.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted any markings above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	similar facial mark in position/size present on right cheek in distance relative to right lateral canthi; similar shape/color/size/position of three facial marks visible on left cheek/below left eye in distance relative one another; facial mark below center of left eye has similar larger size/protrusion with shape like an upside-down L facing to the right
9U4MPG	Similar	Several on the cheeks and below the persons left eye and forehead
AKVB9D	Similar	Prominent facial marks under right and left eyes.
B2Z6FC	Similar	mentioned above.
BZH38T	Similar	The position and the shape of the moles are similar.
CKPXLT	Similar	Similar dark skin mark on right upper cheek and three dark skin marks on left upper cheek.
CUYZ8T	Similar	
D2QZYQ	Similar	multiple marks throughout images similar in location curvature color and relationship to other features
DA6QFC	Similar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Similar	same pattern
FBEYWM	Similar	3 darker areas under left eye, 1 dark area under right

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Image Set Q2: Table 4.2(q) - Facial Marks

WebCode	Observation	Feature Notes
FZRJT8	Similar	Similar facial marks mentioned above
H2WQ96	Similar	Similar marks on both cheeks, unknown if scars or moles.
HFB7XM	Similar	Several similar marks, although low quality unknown picture. Three marks under left eye, one mark on right upper cheek.
HRQ6L4	Similar	several similar facial marks visible near eyes, similar in positioning, color, size, and prominence.
HUCPQ8	Similar	
HYQFYM	Similar	Many noted on cheeks, nose and chin.
JL2M67	Similar	
K3KWNM	Similar	Moles are present on the cheeks and lower eyelid. They are similar in size/shape/location/color
KEBXX2	Similar	Despite the poor image resolution of the unknown, the very distinct cluster of facial marks are visible in the same areas of both
KHWG47	Similar	
L7ZVC2	Similar	Similar mole patterns under left orbital and right orbital extending into cheek area are consistent in size, color and placement. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Skin marks (size, color and location)
P6CLXG	Similar	
PD3BCW	Similar	There is a solitary lesion on the upper right cheek, similar in hue and form, and two discolored/darker lesions on the upper left cheek adjacent the nostril that are consistent between known and unknown images
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Aforementioned.
PRMQFV	Similar	3 Facial marks under the left eye is similar in size, arrangement, and prominence. Appears to be more textured on the known, possibly due to the difference in image quality. Facial mark under the right eye is consistent. Facial mark near the left lateral canthus of the known, not found on the unknown.
PVM3BV	Similar	refer to the eyes and cheeks sections above
PWHKDW	Similar	
PWYRHE	Similar	Evidence of moles
PX9LGZ	Similar	The moles under the left eye and on both cheeks are similar.
PY46H2	Similar	blemishes under left eye, right cheek
Q49MUY	Similar	
QTWDAF	Similar	There are facial marks in a consistent area in both subjects included a set of 3 under the left eye and one under the right eye.

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Image Set Q2: Table 4.2(q) - Facial Marks

WebCode	Observation	Feature Notes
QYFHZU	Similar	There is a dark mark in the same location on the right cheek, one under the left eye, and two on the left cheek.
R273NE	Similar	Both have 3 marks in similar positions below left eye, and one mark below right eye in similar position.
TBLBPC	Similar	
U6E77R	Similar	similar pattern of three marks under left eye and one under right eye
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar three (3) marks inferior to left eye, and one (1) mark inferior to right eye.
XQMJNP	Similar	See above descriptions
XTNLEQ	Similar	Dark spots Distribution Position on both faces
XYERF8	[Not Reported]	Similarities: Potential facial mark on upper right cheek observed in both images, A number of potential facial marks on upper left cheek observed in both images
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q2 Facial Marks

Total Participants: 61

Response	Percent Reported
Similar	60 (98.4%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.6%)

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Image Set Q2: Table 4.2(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No alterations were found.
4T9DRJ	Not Applicable	I don't think there are any visible alterations.
6JZ4ZJ	Similar	Moles (under left eyes, cheeks)
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	Not detected.
8FP3RH	Not Applicable	
8ZX32H	[No observations reported for this feature.]	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Unable To Compare	
D2QZYQ	Not Applicable	
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	different illumination and occlusion
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No alterations observed.
HFB7XM	Not Applicable	

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Image Set Q2: Table 4.2(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	nasolabial folds and labial folds
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations to note in know or unknown
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q2: Table 4.2(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: not visible in one or both images
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q2 Alterations

Total Participants: 58

Response	Percent Reported
Similar	3 (5.2%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.7%)
Unable to Compare	3 (5.2%)
Not Applicable	51 (87.9%)

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Image Set Q2: Table 4.2(s) - Other Features

WebCode	Feature	Observation	Feature Notes
CKPXLT	Limitations	Dissimilar	Image quality, noise and blur.
LADNAL	Quality		known image is a clear frontal images, unknown is slightly fuzzy but still a good quality frontal image, age difference, lighting is darker in the unknown
PWYRHE	Image superposition	Similar	Concordance of cephalometric planes
XPRZMN	Image quality	Dissimilar	Unknown image is lower resolution. Known image has good sharpness and contrast but has slight perspective distortion.
XYERF8	Limitations		The limitations of the comparison include but are not limited to: differences in age, pose, expression, lighting, sharpness, compression, resolution and other imaging conditions.

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Detailed Feature Observations

TABLE 4 - Image Set Q3

Image Set Q3: Table 4.3(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar skin tone; unknown's skin texture appears more rough
34T74N	Similar	
3LFL7K	Dissimilar	The skin of the known subject is smooth and consistent in color with few marks (specifically freckles). The skin of the unknown subject is more textured with multiple marks (freckles, other dark spots) and is also consistent in tone, though darker than that of known subject.
3M7MAM	Dissimilar	Noticeable differences in skin color and texture.
4T9DRJ	Dissimilar	Fair complextion vs many freckles
6JZ4ZJ	Similar	Luminance and color
7B6GQY	Dissimilar	
7PHQBF	Similar	Skin tones between the probe and candidate appears to be similar.
89T2WX	Dissimilar	Both have light skin tone, but the freckles and localized facial redness are different.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Dissimilar coloring and tone. The unknown image has pink/red coloring while the known does not.
9GLTHW	Dissimilar	smooth texture and complexion are similar, although unknown's appears to be more weathered, which is evident by the vast coverage of facial marks dispersed throughout entirety of the face, whereas known has very few facial marks that are not similar in location or pigmentation; highlighting and shadowing on the contours of the face are dissimilar, which could indicate that the underlying musculature and bone structure are also dissimilar; known has some redness in the cheeks and on the chin that is not present on unknown
9KFMFY	[Not Reported]	both have lighter skin tones, Unknown(2) has presence of more faint facial markings
9U4MPG	Inconclusive	Similar color, Freckly in unknown but hard to determine in known
AKVB9D	Inconclusive	resolution limits comparison
B2Z6FC	Similar	Texture and tone are similar. Color is similar.
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individual's skin is red.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	more marks throughout unknown image
DA6QFC	Dissimilar	

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Image Set Q3: Table 4.3(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Skin – Both subjects have fair skin. Known appears to have red undertones in cheek and chin area and even/smooth texture while Unknown has freckles throughout face but heavily concentrated in forehead, cheeks and across subject's nose.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different texture, color, facial marks, etc.
FBEYWM	Dissimilar	
FZRJT8	Similar	The skin tone is similar between both the known and unknown. The image quality of the known is slightly out of focus
H2WQ96	Dissimilar	Tone is similar, but unknown appears to have facial marks all over where the known does not.
HFB7XM	Similar	Similar tone, no marks matches.
HRQ6L4	Dissimilar	similar color, dissimilar texture, possibly due to age difference.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion and tone. Dissimilar facial marks.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in light color. Facial markings are seen in the Unknown.
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones between known and unk. Complexion of known smoother due to age difference between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone is slightly darker in the unknown, the known has more red in cheeks, unknown has freckles throughout face that the known does not have
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Dissimilar	Both known and unknown have consistent light and luminous, skin tone, smooth unblemished texture that appears free from lines, creases and wrinkles. The unknown image has faint, small discolored marks similar to that of freckles, scattered all around the facial plane that is inconsistent with the known image. Known and unknown appear close in age. Both have similar weight in the face.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Skin appears similar in overall tone; appears dissimilar in luminosity and texture.
PRMQFV	Similar	Tone of the skin is similar, fair on both known and unknown. Texture of the skin appears to be fairly smooth on known and unknown.
PVM3BV	Similar	general tone of the skin appears to be similar between subjects - texture and density of facial marks differs with unknown having more

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Image Set Q3: Table 4.3(a) - Skin

WebCode	Observation	Feature Notes
PWHKDW	Similar	both caucasian females
PWYRHE	Similar	same color
PX9LGZ	Dissimilar	Overall tone is similar, but skin texture is different.
PY46H2	Dissimilar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The subjects both present with a light skin tone with differences in hue. The known appears to have less texture than the unknown.
QYFHZU	Inconclusive	The skin color is similar. The unknown subject has a lot of freckles. None are observed in the known.
R273NE	Dissimilar	Both have a similar tone, though unknown appears to be a little more tan than known. Skin texture is different, with unknown appearing to have rougher skin. The luminance is also different with light showing on different parts of the head in known and unknown.
TBLBPC	Dissimilar	ageing spots/texture
U6E77R	Similar	similar in color
U778AU	Inconclusive	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar tone and texture. Unknown has freckles.
XQMJNP	Dissimilar	Both subjects have light skin color. Known has red areas on chin and cheeks. Unknown appears to have small freckles covering the majority of her face giving it a slightly darker tone than known. Unknown also has some larger freckles on face. Known does not have any freckles visible.
XTNLEQ	Similar	Overall tone texture
XYERF8	[Not Reported]	Dissimilarities include: Overall skin appearance: texture, tone
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Skin	Total Participants: 60
Response	Percent Reported
Similar	24 (40.0%)
Dissimilar	29 (48.3%)
Inconclusive	5 (8.3%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.3%)

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Image Set Q3: Table 4.3(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown appears to have a slightly more pear shaped face compared to the known whose face shape appears slightly wider in the upper portion vs the lower portion
34T74N	Similar	
3LFL7K	Dissimilar	The overall shape of the face of the unknown subject shows a difference to that of the known where it is wider at the ears than at the eyes, and also wider and more rounded at the gonial angle.
3M7MAM	Dissimilar	Noticeably different facial outlines.
4T9DRJ	Dissimilar	The outline of the face has different lines
6JZ4ZJ	Dissimilar	especially at the jawline
7B6GQY	Similar	
7PHQBF	Similar	The face outline between the probe and candidate appears to be similar.
89T2WX	Similar	Similar
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head outline is dissimilar. The unknown image is fuller thru the cheek area and also larger distance from hairline to chin, than that of the known image.
9GLTHW	Similar	overall egg-like shape of the face is similar, with the forehead wider than the chin; known's face is softer, whereas unknown's is more defined and wider in the cheek region, however this could be attributed to differences in expressions displayed; curvature of the cranial vault appears to be similar
9KFMFY	Dissimilar	Unknown(2) appears to have slightly more of a heart-shape to bottom half of face/head outline
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known- rounded oval , more pointed at chin. unknown, wide oval tapered at top and more pointed at chin. (expression?)
B2Z6FC	Similar	Overall shape of the face is similar. Both are oval shaped.
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar face and cranial vault shape.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	different cheek shape, could be due to expression
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Face/Head Outline – Knowns face outline is upside down egg-shaped. oval-shaped/upside down egg-shaped head. Unknown has a similar shape but appears to be wider possibly due to expression difference so leans more upside down pentagon with rounded edges.
EGYH2B	Inconclusive	

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Image Set Q3: Table 4.3(b) - Face/Head Outline

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	different geometric shape around edge of face like forehead, chin, cheeks, jawline
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The top of the unknown's head appears more narrow than the known's head. But the overall size appears similar.
H2WQ96	Dissimilar	Known appears to have an oval face shape while the unknown appears to have a more heart shaped face.
HFB7XM	Similar	
HRQ6L4	Dissimilar	cranial vault of known image appears wider and dissimilar contour than unk image; face in unk image has smiling expression - could account for difference in facial and chin outline dissimilarities.
HUCPQ8	Inconclusive	
HYQFYM	Dissimilar	Similar oval shape, narrow facial outline, rounded jawline. Ears and forehead appear dissimilar.
JL2M67	Dissimilar	
K3KWNM	Similar	Similar in egg shape.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Known has a more triangular overall face shape than unk. Unk has a more oval face than the known.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	face is wider in the unknown, face is shorter in length in the unknown, the unknown has a rounder face and the known has a more of an oval shape
LQZ4DH	Dissimilar	Shape of craneal vault, overall shape of face
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Both known and unknown are frontal images with a similar round facial contour. The forehead of the unknown image is more narrow and higher than the known image. Unknown's facial plane is broader across the area of the cheeks than the known image and the contour of unknown's chin is narrower than the contour of known's chin. Unlike the known image, the unknown's oval-shaped face tapers from the high cheekbones down to a narrow chin. The unknown image has a more angular contour of the jaw.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Shape of cranial vault appears wider and flatter; overall shape of face and size of head appears dissimilar.
PRMQFV	Dissimilar	The shape of the head appears to be similar. The general size of the knowns head appears to be larger.
PVM3BV	Dissimilar	outline of the face appears to differ with the known having a wider cranial vault and more prominent facial outline around the cheek bone region.
PWHKDW	Inconclusive	known's head is a little longer where unknown is rounder
PWYRHE	Similar	Brachycephalic

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Image Set Q3: Table 4.3(b) - Face/Head Outline

WebCode	Observation	Feature Notes
PX9LGZ	Similar	Similar oval shape.
PY46H2	Dissimilar	Unknown- heart shaped. Known- elongated.
Q49MUY	Similar	
QTWDAF	Dissimilar	The face/head outline appears to be less wide on the known. The chin appears to be more pointed on the unknown.
QYFHZU	Similar	The face and head outlines are similar although the unknown appears slightly longer.
R273NE	Dissimilar	Head shapes are different between the two. Known's head shape is rounded in shape. Unknown's headshape is more ovalar. Known's head is wider and top and unknown's head is thinner coming down to chin
TBLBPC	Dissimilar	difference in temples/cheekbones
U6E77R	Dissimilar	unk subject has little more heart shaped face, known has oval
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown's head is more diamond-shaped, Known's head is more Inverted triangle/oval-shaped. Cranial vault of Unknown appears more narrow in relation to the rest of the face compared to that of the Known where the cranial vault is nearly the widest point of the head.
XQMJNP	Similar	Both subjects have small round heads with a slightly pointy chin
XTNLEQ	Dissimilar	Shape of cranial vault Overall shape of face
XYERF8	[Not Reported]	Dissimilarities include: Overall shape of the face Not comparable: Shape of the cranial vault
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Face/Head Outline

Total Participants: 60

Response	Percent Reported
Similar	15 (25.0%)
Dissimilar	40 (66.7%)
Inconclusive	5 (8.3%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q3: Table 4.3(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's ears appear to sit lower on the face than the known; the proportion of the features appears similar to one another
34T74N	Similar	
3LFL7K	Inconclusive	The eyes of the known subject are near level with the top of the ears, whereas the eyes of the unknown are slightly above the level of the tops of the ears. The relative positions of the eyes to the hairline, nose, mouth and chin are similar on both.
3M7MAM	Dissimilar	Different proportions of facial features.
4T9DRJ	Dissimilar	
6JZ4ZJ	Inconclusive	similar the nose structure looks different and the eyes, mouth
7B6GQY	Similar	
7PHQBF	Dissimilar	The relative distance of the features around the face appears to be similar between the probe and candidate. Even with the expression difference between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in location of the eyes in relation to the nose. The length of the bridge of the nose on the unknown is longer.
9GLTHW	Similar	size of the visible facial features appear to be similar with respect to each other and their location on the face, however unknown's ears are positioned in alignment with the nose, whereas known's are positioned slightly higher than this; features are similarly positioned in the center proportion of the face
9KFMFY	Dissimilar	position of upper/lower ends of ear relative to eyes of Known(1) appears to be slightly higher on head than Unknown(2)
9U4MPG	Inconclusive	
AKVB9D	Similar	
B2Z6FC	Similar	Approximate distance between facial features is similar. Distance between eyes is similar. Distance between lower lip and bottom of chin is similar.
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to the eyes, eye to eyebrows, eyebrows to hairline, upper lip to nose base and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Face/Head Composition – Known morphological features are concentrated in the lower 2/3rd of face while Unknown's are lower 3/4th of subjects' face.

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Image Set Q3: Table 4.3(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Similar	same in how they are positioned and framed
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition is similar between both. The eyes, nose, and mouth are of similar size, shape, and distance between eachother.
H2WQ96	Similar	Proportions/position of features appears similar.
HFB7XM	Similar	
HRQ6L4	Dissimilar	slight difference between eyes vs ears vertical placement and wider positioning of eyes in unk image; Slight dissimilarity of length from lower lip to bottom of chin; Smiling expression in unk image limits other features.
HUCPQ8	Inconclusive	
HYQFYM	Dissimilar	Intercanthal and interpupillary distances appear similar. Nose, mouth and chin appear dissimilar.
JL2M67	Dissimilar	
K3KWNM	Inconclusive	Face is similar in length but not width. Known appears slimmer. Features are placed on the face towards the lower half of the face. The nose is in a similar position relative to the forehead and chin. Ears are placed on the head in a similar position. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance is not similar. Interpupillar distance is not similar. Both are greater in the Known's.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Known has features centered and symmetrical. Unk left eye set higher from the plane of the right eye.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance between eyes is further apart in the unknown, distance from eye to mouth appear to be similar but that could be due to the expression in the unknown pulling the mouth upwards, distance from nose to mouth is dissimilar
LQZ4DH	Dissimilar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Dissimilar	Unknown's facial features appear larger than known's facial features. The facial features are placed similarly on the facial plane.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Position of the mouth with respect to length of face looks dissimilar; eye position in relationship to mouth appears dissimilar, longer in K; ears in relationship with rest of the head appears dissimilar.
PRMQFV	Inconclusive	Nose to mouth distance is closer on the unknown, possibly due to the difference in facial expressions. Distance between the eyes is similar.
PVM3BV	Similar	relative composition of facial features appears to be similar/consistent between subjects

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Image Set Q3: Table 4.3(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PWHKDW	Inconclusive	
PWYRHE	Similar	forehead and face
PX9LGZ	Similar	Relative distances between facial features are similar.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The features of the face appear to be more widespread on the unknown. The vertical distance appears to be longer than the known.
QYFHZU	Dissimilar	The facial features placement are similar in each image. The distance between the nasal base and the columella is greater in the known. It looks like the ears are set up higher in the known.
R273NE	Dissimilar	Features are in slightly different positions relative to the other features in known and unknown. Features appear a little more spaced out on unknwon's face.
TBLBPC	Similar	
U6E77R	Dissimilar	unk subject has wider set eyes and sit higher above ears.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Similar feature spacing and placement relative to face length. Width of Unknown's nose relative to eyes is wider. Similar distance from chin to lower lip relative to face length. Ear position relative to eyes, nose, and mouth is lower in the Unknown and higher in the Known. Known has more distance between the hairline and eye area than the Unknown.
XQMJNP	Similar	Distance between facial features appears relatively similar between subjects.
XTNLEQ	Dissimilar	Difference in width of nose relative to eye distances Distance from chin to lower lip relative to face length Ear position relative to eyes, nose, and mouth • Eye position relative to face length
XYERF8	[Not Reported]	Similarities include: Eye position relative to face length. Dissimilarities include: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length, Ear position relative to eyes, nose, and mouth
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q3 Face/Head Composition		Total Participants: 60
Response	Percent Reported	
Similar	22 (36.7%)	
Dissimilar	28 (46.7%)	
Inconclusive	10 (16.7%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q3: Table 4.3(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's hair appears slightly more wiry than the unknown; the unknown has a portion of their hair dyed purple, but the other portion appears similar in color with dark brown; the unknown's hair is much shorter in length compared to the known; the known has a prominent part in the hair towards the middle of forehead extending lateral to the left backwards; the known has a slight irregularity in the forehead hairline that isn't visible in the unknown; the known appears to have more prominent growth in the temporal peaks
34T74N	Similar	
3LFL7K	Inconclusive	The hair of both is consistent in color (except for purple hair color on unknown subject), and the texture appears the same. The style is different.
3M7MAM	Dissimilar	Different hairstyles and hair colors.
4T9DRJ	Dissimilar	Curly vs straight hair
6JZ4ZJ	Dissimilar	Overall hair length
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The color of the hair appears to be black with a little bit of gray. The probe does have a purple streak in their hair. The hairline between the probe appears to be dissimilar.
89T2WX	Dissimilar	The hairstyles are different and the unknown sample has dyed hair.
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Inconclusive	Similar in color but the texture of the known image appears coarser and fuller than that of the unknown image.
9GLTHW	Dissimilar	dark brown hair color is similar, however known is displaying lighter tones toward the ends, whereas unknown has purple strands around the face, but this could be attributed to grooming differences; straight type and apparent texture is similar; length and styles displayed are dissimilar, but this could also be due to grooming differences; known has several shorter hairs along the hairline that possess a slight curl, yet unknown doesn't; hairline along the sides is similar, however the shape along the forehead is dissimilar
9KFMFY	[Not Reported]	both have darker color to hair; Unknown(2) has purple highlight not present for Known(1); Known(1) has longer hair pulled back with loose hair having more curl to it while Unknown(2) has shorter hair that appears straighter; difference in how hair is parted, Known(1) has more of a peak in center of forehead hairline
9U4MPG	Similar	Dark hair
AKVB9D	Dissimilar	known- pulled back hairstyle, dark color unknown0 shorter on sides than top hairstyle, multi-colored.
B2Z6FC	Similar	Forehead hairline is similar. Overall color is similar. Unknown does have purple in her hair and length is short. Known has frizzy hair. Unknown doesn't have frizzy hair due to styling/shaving on side.
BZH38T	Dissimilar	The hair texture and color are dissimilar.
CKPXLT	Dissimilar	Dissimilar hair style, coloring, side and forehead hairline and widow's peak shape.

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Image Set Q3: Table 4.3(d) - Hair

WebCode	Observation	Feature Notes
CUYZ8T	Unable To Compare	
D2QZYQ	Similar	potential for same coloring, if dismissing purple dye area in unknown, different style and cuts
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Hair – Although texture is consistent, Unknow's hair sits further back from face than Knowns which may be attributed forehead shape. Subjects cut, style, color, and hairline are inconsistent. Unknown has similar darker hair in roots as Known but Unknown has violet in shaft and Known appears to have lighter brown ends. Known has more fly aways overall and hair past shoulders while Unknown left side is shaved down and from left iris to right hair appears to be bob length.
EGYH2B	Inconclusive	
ELRHHR	Inconclusive	different hair growth pattern, and for the unknown profile, there is dye
FBEYWM	Dissimilar	
FZRJT8	Similar	The hair texture and color is similar between both. The known's appears longer and is pulled behind her head, the unknown is shorter and partially colored purple.
H2WQ96	Dissimilar	Known's hair appears coarse/curly and the hairline is different. Known's hairline is a slight widow's peak. Known's hair is styled up/back.
HFB7XM	Similar	
HRQ6L4	Dissimilar	similar overall color - unk image has a portion a different color; style and length dissimilar; hairline appears slightly dissimilar in contour.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Somewhat similar in color and texture.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Hair is not similar in color/length. Unknown has dark hair color with grey and purple parts. Hairline is not similar. Known has a small widow's peak.
KEBXX2	Inconclusive	Both have appear to have dark hair but the unknown has purple dye and a different haircut/style (buzzed on one side) making it difficult to compare.
KHWG47	Dissimilar	
L7ZVC2	Similar	Similar texture and color except for unk also has dyed streaks. Hairline is similar in both known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known hair is pulled back and is frizzy, the unknown is short and styled to the side, unknown has purple in hair due to alterations, hair is longer in the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	

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Image Set Q3: Table 4.3(d) - Hair

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	Both known and unknown have dark hair. Known's hair is pulled back away from the face but appears to be longer than unknown's hair. Unknown's hair is shaved close to the head on the left side above the left ear. Unknown has a part on the left side of the head and longer, straight hair rests across the top of the head down to just beneath the right ear. Known appears to have some light, wispy, curly hairs scattered freely around the top of the head. The hairline is inconsistent in contour and growth pattern.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Hair appears dissimilar in texture; appears dark in color in both, however U has variation in tone of hair color not present in K, may be due to intentional alterations; hairline appears dissimilar.
PRMQFV	Dissimilar	Tone of the hair is dissimilar, knowns hair is a lighter brown and the unknown has purple strands not found on the known. Style of the hair is dissimilar, appears to be cut on the unknowns left side, not found on the known. Curvature of the hairline is somewhat similar, known has parts toward the middle, not found on the unknown. Sideburns appear to stop in similar areas. Texture of the hair is similar, straight on both subjects.
PVM3BV	Dissimilar	hair line appears to be similar in some regions such as the temples, and it differs on top of the forehead. The hair of unknown appears to have coloring in it - appears to be purple. Rest of the hair of both subjects appears to be darker brownish/black in color
PWHKDW	Dissimilar	both have brown hair, however known's is a little frizzy and known's appears straighter
PWYRHE	Dissimilar	diferent color
PX9LGZ	Dissimilar	Hair colour and texture seem different.
PY46H2	Dissimilar	Hairline differences, style/color (time?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The hairline appears to be rounded on both however the known's is slightly more irregular. The unknown has purple hair but also a dark undertone that looks similar to the known. The texture appears to be straighter on the unknown however this could be due to grooming.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Dissimilar	Both have a similar tone to their hair. Texture is different with known's being more curly. Frontal and side hairline curvatures and positions are also different. Unknown has part of her hair dyed purple.
TBLBPC	Inconclusive	dyed/different cut
U6E77R	Dissimilar	similar in color and thickness, hairline is different. texture for known is curlier
U778AU	Dissimilar	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar hair styles. Similar color (referencing the dark hair, not the purple hair in the Unknown). Dissimilar textures, Unknown's is thicker and straight (could be hair styling), Known's appears finer and frizzy. Dissimilar hairline along the temples, upper hairline is somewhat similar.

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Image Set Q3: Table 4.3(d) - Hair

WebCode	Observation	Feature Notes
XQMJNP	Inconclusive	known hair is pulled back in a pony tail; the hair is dark in color, appears to be longer (past shoulders possibly), and has some curl/ texture to it seen in the frizzy hair around the crown. Unknown hair is dark brown in color with purple coloring in part of the hair. Unknown hair is short in length (above the chin) and possible "shaved/ buzz cut" on the left side; overall straight with some curl at the ends.
XTNLEQ	Dissimilar	Shape Texture color
XYERF8	[Not Reported]	Dissimilarities include: Hair: shape/spatial distribution, texture, symmetry, density, tonality, Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape. Not comparable: Cranial baldness pattern: shape, distribution
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Hair	Total Participants: 60
Response	Percent Reported
Similar	8 (13.3%)
Dissimilar	37 (61.7%)
Inconclusive	12 (20.0%)
Unable to Compare	1 (1.7%)
Not Applicable	2 (3.3%)

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Image Set Q3: Table 4.3(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's forehead appears wider and longer in length/height; similar brow ridge prominence; the unknown appears to have more prominent frontal lines
34T74N	Similar	
3LFL7K	Similar	The foreheads of each are consistently prominent and similar in height and width.
3M7MAM	Dissimilar	Different forehead widths.
4T9DRJ	Dissimilar	Forehead of unknown is more pronouced than known.
6JZ4ZJ	Dissimilar	The left image has taller with no lines the right image looks round and short
7B6GQY	Similar	
7PHQBF	Dissimilar	The protrusion of the forehead between the probe and candidate appears to be dissimilar.
89T2WX	Similar	Similar
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The unknown’s forehead is wider and longer. The distance from top of the brow to the hair line is greater on the unknown. The hairline itself is lower on the forehead of the known image.
9GLTHW	Dissimilar	rounded contour is somewhat similar, however unknown has an arced depression in the center that spans across the width of the forehead, whereas known’s frontal eminences are more prominent; dome-like shape and small size appear to be similar; neither have visible frontal lines
9KFMFY	Dissimilar	Unknown(2) has frontal line present curving over center/middle of forehead not present for Known(1)
9U4MPG	Similar	
AKVB9D	Dissimilar	known- small, slightly round, slight hairline intrusion at temples, slight widow's peak unknown- small wide, relativl flat , even hairline.
B2Z6FC	Similar	Relative height of the forehead is similar. Lack of creases in both. Similar brow ridge that is barely visible
BZH38T	Dissimilar	The width of the forehead is dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead width and height.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	creases in unknown not visible in known, marks in unknown not visible in known
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Forehead – Unknown has longer and wider forehead, ‘five-head’, with a slight protrusion near hairline in subjects midline to lateral area of mouth. Unknown has a faint crease in center of forehead at arch eyes. Known forehead comes in slightly in temple region of forming a top hat shaped overall.

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Image Set Q3: Table 4.3(e) - Forehead

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Similar	
FZRJT8	Similar	Both foreheads are of similar size and shape, with similar hairlines. The unknown has more visible facial marks.
H2WQ96	Similar	Height and width appear similar.
HFB7XM	Similar	
HRQ6L4	Dissimilar	dissimilar shape and prominence.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Appear similar in height, dissimilar in shape.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Forehead is not similar in height but is similar in width. Frontal bone is more prominent in the Unknown. Facial markings present on the Unknown's is not similar in size/shape/location
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Overall forehead shape is similar in both unk and known. Unk has more tapered temple area than known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mark on the unknown forehead is not visible in the known, frontal lines are visible in the unknown and slightly visible in the known – not enough to say if similar, brow ridge is higher on the unknown
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The forehead of the unknown image is more narrow and higher than the known image. Unknown's temples draw inward that is inconsistent with known. Both known and unknown's foreheads are free from marks, creases and scars. Unknown appears to have faint freckle-like marks scattered around the forehead. Unknown's forehead is higher and narrower than known's forehead.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Forehead appears wider in K than U, appears relative height appears dissimilar; brow ridges appear more prominent on U.
PRMQFV	Similar	Length of the forehead appears to be similar. Forehead has a similar level of protrusion. Curvature of the forehead is similar.
PVM3BV	Similar	forehead appears to be similar in relative size and shape, frontal lines appear to be visible on the unknown but not seen on known. Freckle like facial marks are visible throughout unknown forehead but not seen on known
PWHKDW	[No observations reported for this feature.]	

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Image Set Q3: Table 4.3(e) - Forehead

WebCode	Observation	Feature Notes
PWYRHE	Similar	Broad and backward
PX9LGZ	Similar	The proportions and shape are similar. Also brow ridges seem similar.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The forehead appears to be taller on the unknown. The width appears relatively similar. The brow ridge appears to be more pronounced on the unknown.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Dissimilar	Size and shapes of both's foreheads are slightly different. Both have faint frontal lines that can barely be seen, but appear to be in different positions and different curvatures. Contouring in lower middle and around brow ridges appear different.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	forehead appears wider for known subject. Hairline is different.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Somewhat similar overall width and shape. Known's forehead height related to face length is longer than the Unknown's. Unknown's brow ridges are more defined.
XQMJNP	Inconclusive	Both subjects have a similarly shaped forehead. Nothing of significance noted on known forehead. Unknown forehead has a faint horizontal crease in the middle and a facial mark between the eyebrows.
XTNLEQ	Dissimilar	Height Width
XYERF8	[Not Reported]	Similarities include: Forehead shape: relative height, relative width, slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Forehead

Total Participants: 59

Response	Percent Reported
Similar	23 (39.0%)
Dissimilar	33 (55.9%)
Inconclusive	2 (3.4%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.7%)

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Image Set Q3: Table 4.3(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's eyebrows appear lighter brown in color than the unknown; slightly different shape; the known's eyebrows appear to sit closer to the eyes than the unknown; similar medial distance between eyebrows
34T74N	Inconclusive	
3LFL7K	Dissimilar	For the known subject, the eyebrows are thin and for the unknown subject are more full near the nose and thin moving toward the ears. There is a slight color difference. They are about the same distance from the eyes and their alignment with the interior corner of the eyes is consistent.
3M7MAM	Dissimilar	Different eyebrow shapes and thickness.
4T9DRJ	Dissimilar	eyebrows are of different shape
6JZ4ZJ	Dissimilar	The left has thinner in addition straight the right one looks arched and thinner in the end of the eyebrows
7B6GQY	Similar	
7PHQBF	Dissimilar	The growth pattern of the eyebrows appears to be dissimilar as well as the thickness of the eyebrows appears to dissimilar also.
89T2WX	Dissimilar	The right inner corner of the eyebrow is not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The knowns brows are thinner/less hair and lighter in color. They are also more rounded than that of the unknowns. The Unknown's brows are wider/bushier and darker in color. The distance from brow to lid is greater in the unknown images.
9GLTHW	Dissimilar	shape, length, and thickness are dissimilar, as known's possess a more curved shape, are longer, and narrower, whereas unknown's are thicker, squared off at the medial ends, and thin out, becoming pointed, as the lateral ends are approached; approx. distance between the medial ends and position above the eyes is similar; unknown's appear to be denser and more textured
9KFMFY	Dissimilar	eyebrows of Unknown(2) appear thicker toward medial ends of eyebrows while Known(1) appears to have more consistent thin round curve
9U4MPG	Dissimilar	Slightly dissimilar
AKVB9D	Dissimilar	known- thin rounded consistent width throughout unknown- rounded, wide at medial origin and becoming thinner moving laterally.
B2Z6FC	Dissimilar	Known has thinner more rounded eyebrows. Unknown has hairgrowth that grows up medially then follows the curve of the eyebrow. Known eyebrows appear closer to eyelid
BZH38T	Dissimilar	The eyebrows shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar eyebrows shape, size and angle.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	thinner in known, slightly darker in unknown (may be alteration)
DA6QFC	Dissimilar	

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Image Set Q3: Table 4.3(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Eyebrows – Known has eyebrows that have a sharper arch that Unknow. Unknown eyebrows are thick in medial area and thin to lateral region. Distance from eyebrows to eyes is inconsistent in subjects with Known distance remaining relatively constant and Unknown's varying. Unknown has a freckle, mole, and/or mark prior to right medial eyebrow.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The know has more narrow and longer eyebrows, the unknown has eyebrows that are wider and become more narrow towards the outside of her head.
H2WQ96	Dissimilar	Shape appears similar, but eyebrows appear thinner in known despite appearing younger than the unknown. In addition, it appears that the known's eyebrows are longer, extending past the lateral canthus.
HFB7XM	Dissimilar	Similar Shape and placement, asymmetrical eyebrows; left brow superior placed. Dissimilar; lateral.
HRQ6L4	Inconclusive	similar length and tilt; dissimilar density and height; positioning relative to medial canthus are similar.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Appear dissimilar. Unknown's appear thicker near nasal base.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Eyebrows are not similar in color/thickness. Unknown's appear darker and thicker than Known's.
KEBXX2	Dissimilar	Overall shape is similar but the known's seem longer and thinner
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Eyebrows similar in color, dissimilar in shapes between known and unk. Grooming in Unk, thicker in unk. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is darker in the unknown, distance apart is similar, shape and thickness is dissimilar
LQZ4DH	Dissimilar	Right and left eyebrow
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known's eyebrows extend further beyond the brow line than unknown. Known's brows are lighter in color and texture than unknown's brows. Unknown's brows have a higher arch than known. The distance between the brows is greater in the unknown image than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyebrows appear dissimilar in angle/shape/length/thickness, may be due to grooming.

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Image Set Q3: Table 4.3(f) - Eyebrows

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Tone of the eyebrows are somewhat similar, darker on the unknown. The arch of the left eyebrow is similar, The unknowns right brow is more arched. Distance between the brows are similar. The growth pattern is continuous throughout on known and unknown. The tail of the eyebrows end in similar locations. The distance from the eyebrows to the eyes appear to be closer on the known.
PVM3BV	Dissimilar	eyebrows differ in general thickness, unknown appears to have darker brows, the brows of the unknown appear to curve downward more so than the known.
PWHKDW	Similar	Similar size and shape
PWYRHE	Similar	Semi-bushy and sparse.
PX9LGZ	Dissimilar	Texture and shape of the eyebrows seem different.
PY46H2	Dissimilar	Width/Length
Q49MUY	Similar	
QTWDAF	Dissimilar	The brows of the unknown appear to be fuller and taller. The apex of the brows appears to be more lateral on the known. The lateral portion of the brows appear thinner on the unknown.
QYFHZU	Dissimilar	The eyebrows are similar in shape and size. The eyebrow color of the unknown is slightly darker than the known. The inner eyebrows in the unknown are taller than in the known.
R273NE	Dissimilar	Starting points at medial ends are different between know and unknown. Position at which brows sit above eyes in slightly different with known's being lower. Curvature and growth patterns of both brows are different in known and unknown.
TBLBPC	Similar	
U6E77R	Dissimilar	unk subject has thicker, higher set eyebrows. Horizontal end position of lateral eyebrow is further from lateral canthus in known subject.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar eyebrow appearance. Medial and lateral brows related to medial and lateral canthi positions are similar. Brow thickness and shape are dissimilar. Unknown has thicker/longer medial brows that taper towards the tail. Known's brows are a similar thickness throughout. Unknown's have an angled arch, Known has a rounded arch. Known's brow hair appears more dense.
XQMJNP	Dissimilar	Known eyebrows have a curve to the entire length, from the inner to the outer portions and are also consistent thickeness from inner to outer. Unknown eyebrows are flat on the inner side and curved at the outer side; also inner portion is thicker than outer portion.
XTNLEQ	Dissimilar	Right eyebrow Left eyebrow -shape -size T hickness colo
XYERF8	[Not Reported]	Dissimilarities include: Shape, Size, Position, Density of hair, Hair details, Asymmetry - medial starting position of R1 eyebrows appear asymmetrical. Not comparable: Conjoined
XYJ9D7	Dissimilar	

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Image Set Q3: Table 4.3(f) - Eyebrows

WebCode	Observation	Feature Notes
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Eyebrows — Total Participants: 60

Response	Percent Reported
Similar	6 (10.0%)
Dissimilar	52 (86.7%)
Inconclusive	2 (3.3%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q3: Table 4.3(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar color with both individuals having brown eyes; the known's irises appear larger in size relative to the rest of the eye; differently shaped and prominent superior and inferior palpebral creases; the unknown has more prominent crow's feet creases; differently shaped and prominent medial and lateral canthi
34T74N	Inconclusive	
3LFL7K	Dissimilar	The eyes are similar in color and shape. Both show a folds on the upper eyelids in similar locations. The eyelashes on unknown subject are longer than known subject. Unknown subject has additional creases around the outer corners of the eyes that known doesn't have.
3M7MAM	Dissimilar	Clearly different eye shapes and eyelash lengths.
4T9DRJ	Dissimilar	the eye creases are off, the eyelashes are more pronounced due to mascara on unknown, eyes are different shape, lower eyes have pronounced bags under them on unknown.
6JZ4ZJ	Dissimilar	The limbus and the coronae slightly bigger
7B6GQY	Similar	
7PHQBF	Dissimilar	The shape of the medial canthus of the left and right eyes appears to be dissimilar. The overall shape of the eyes appears to be different between the two images. The lateral canthus of the eyes appears to be dissimiar between the probe and candidate as well.
89T2WX	Dissimilar	The shape is similar, but the wrinkles and eyelashes are not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	[Not Reported]	The knowns eye shape is almond and wider than that of the unknown's. Also the eyes slope downward while the unknowns are almond and less wide than the knowns and also they are more level…they do not slope downward. The coloration of the eye appears more brown in the known image and more green in the unknown image. The interior palpebral crease on the unknown image is fuller and has more creases under the lower lids than that of the known image.
9GLTHW	[Not Reported]	approx. intercanthal distance and interpupillary appears to be similar; degree of hoodedness is similar, however the shape of the left superior palpebral crease is dissimilar, as known's is more uniform in curvature, whereas unknown's straightens out at the inner corner; shape of the right superior palpebral crease is relatively similar in shape; overall eye shape and small size are somewhat similar, but alignment is dissimilar, as known's are more level whereas unknown's are slightly slanted; placement of the lower eyelid in relation to the iris is dissimilar, as unknown's covers a larger portion; shape of lower eyelid and inferior palpebral creases are dissimilar; area beneath unknown's eyes are thicker/ puffier than known's; unknown is displaying several periorbital creases that are not visible on known, but this could be due to differences in the neutral versus smiling expressions displayed; disregarding the application of mascara, unknown's upper lashes still appear to be thicker/denser and significantly longer

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Image Set Q3: Table 4.3(g) - Eyes

WebCode	Observation	Feature Notes
9KFMFY	Dissimilar	Unknown(2) is wearing heavier make-up on eyelashes; Unknown(2) appears to have sharper upward angle to left/right medial canthi while Known(1) appears to have slightly more downward angle; Unknown(2) has more creases under eyes; left inferior palpebral crease of Unknown(2) follows round curve much further and closer toward the lateral canthus while Known(1) has shorter/straighter curve
9U4MPG	Dissimilar	Similarities and dissimilarities, Tricky due image conditions and mimics, evaluated with caution.
AKVB9D	Dissimilar	known- narrow, deep set, round eye fissure unknown- wide set narrow eye fissure (expression), tapers towards lateral side.
B2Z6FC	Similar	Both have similar upper eye lids and eye bulge. Eye color is brown in both. Unknown has full lower eyelids and more inferior palpebral creases possibly due to age.
BZH38T	Dissimilar	The shape of the superior palpebral crease on the top eyelid is dissimilar.
CKPXLT	Dissimilar	Dissimilar eye and fissure shape, size and angle, medial and lateral canthus shape and angle, iris diameter relative to eye opening, visible sclera, right inferior, left superior and left inferior palpebral crease shape and number and, eyelashes density.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	eyelashes appear longer and more curved in unknown (may be alteration), potential scaring in medial side of unknown not visible in known (may be after known image taken, age difference)
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Eyes – Overall eye shape and color is similar in subjects. Known Lateral cantus appear to sit slightly higher than medial cantus, while Unknown appears to be in line with each other. Known has several more crows feet lines than Unknown who has none . Unknown is wearing mascara but subjects eyelashes graze the medial portion superior palpebral creases. Unknown lower eye crease and right inferior palpebral crease meet on subject left cheekbone.
EGYH2B	Similar	
ELRHHR	Dissimilar	different eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Dissimilar	
FZRJT8	Similar	The eyes are of similar size, color, and shape between both.
H2WQ96	Dissimilar	The shape and angle of the medial canthus of both eyes is different.
HFB7XM	Dissimilar	Similar Shape and placement, superior palpebral. Dissimilar; medial canthus.
HRQ6L4	Dissimilar	dissimilar spacing, tilt, and angle of medial canthus; similar color.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Upper eyelids and superior palpebral creases appear somewhat similar.
JL2M67	Dissimilar	

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Image Set Q3: Table 4.3(g) - Eyes

WebCode	Observation	Feature Notes
K3KWNM	Dissimilar	Similar in shape. Medial canthus is not similar in size/shape. Unknown's is very pointy and small. Whereas the Known's is slightly flat. Lateral canthus is similar in size/shape. Eyelashes are not similar in length/quantity. Superior palpebral crease is similar in location but not shape. Inferior palpebral crease is similar in shape/location. Unknown's appear deeper/longer. Infraorbital crease is similar in location/shape. Periorbital creases are not similar in quantity/length. But one is similar in shape/location.
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Dissimilar	Similar color of eyes. Known photo is lesser in quality and lighting obscures true color comparison. Interpupillary distance in unk is greater than in known. Orbital in unk is higher in right eye than in known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown has makeup applied to eyelashes making them appear darker/thicker, medial canthus shape/size is dissimilar, both have dark colored eyes, more of the sclera is visible in the unknown, crows feet are visible in the unknown but not in the same location as the known, inferior creases are visible in both but not in the same location – unknown has more visible, palpebral creases are visible in both but not in the same location, eye lids are not the same size/shape
LQZ4DH	Dissimilar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Inconclusive	Apparent age difference
PD3BCW	Dissimilar	The eyes of the unknown image appear to have slightly more age related changes than the known image. The unknown image has visible crows feet/smile lines, and a deeper inferior orbital groove. The superior orbital groove is inconsistent in contour between known and unknown. The unknown image has three or more infraorbital creases under the left eye that do not appear on the known image. Although the unknown image appears to have altered the eyelashes in some manner either with make-up and/or fake eyelashes, the eyelashes of the known image are significantly shorter and lighter than unknown image. The intercanthal distance appears wider on unknown image. The medial canthus of the unknown image is pointier/more angular than the unknown's more rounded medial canthi. The tissue of the lower eyelid of the unknown image is fuller than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Intercanthal distance appears wider in K than U. Interpupillary distance appears slightly wider in K. Overall eye shape appears similar in both; angle of eyes appears dissimilar; left superior palpebral crease on K appears dissimilar in shape; upper eyelids appear dissimilar in size; left medial canthus in K appears to point more downward; lateral canthi in both eyes of U appear to slant downward; periorbital eyelids appear larger in U; interior palpebral creases appear dissimilar in location/depth/angle/shape/quantity; lashes on U appear much longer, may be due to intentional alterations; periorbital creases appear dissimilar, deeper on U.
PRMQFV	Dissimilar	Alignment of the eyes are similar. Folds of the upper eyelids are similar. Shape of the medial canthus is dissimilar, wider and more rounded on the known. Unknowns lashes are longer and fuller. Knowns eyes appear to have more protrusion. Prominence of the upper eyelid is similar.

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Image Set Q3: Table 4.3(g) - Eyes

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	general size of the eyes appear to be similar, palpebral creases appear to differ with the unknown appearing to have more prominent ones all around the eyes
PWHKDW	Inconclusive	both have brown eyes, but shape of eye is different.
PWYRHE	Similar	same color
PX9LGZ	Dissimilar	The placement and protrusion of the eyes seems rather similar. However, the lower eyelids and folds on upper eyelids are different. The fissure opening is different.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The eyes appear to be wider on the unknown. The medial canthi seem higher in the unknown than the known. The unknown has bigger bags under the eyes but this could be due aging. The lower eyelid appears to be fleshier on the known. The lower portion of the fissure appears to be flatter on the known. The medial canthi appear sharper on the unknown. There appears to be more visible sclera on the unknown.
QYFHZU	Dissimilar	The left and right medial canthus of the unknown looks more pointed than in the known. The unknown looks to have on mascara making the eyelashes longer.
R273NE	Dissimilar	Eyelid shapes are different between known and unknown. Position at which eyes sit on face is different with unknown.s being a little more spaced. Eye shape, medial canthus shapes are different. Under eye line locations, curvatures, and depths are different with unknown having more and deeper lines under her eyes. Crow feets coming from both eyes are visible in unknown, but not known other than on right side.
TBLBPC	Dissimilar	asymmetry in eyes position/known
U6E77R	Dissimilar	unk subject has greater intercanthal distance. Right and left eye medial canthus in unk subject angle up a bit more than known subject. Right and left lateral canthus in known subject are sharper angle. Lower eyelids in unk subject are bigger, droopier
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Overall eye area has a similar appearance. Similar upper eye fissure shape, upper eye lid appearance, intercanthal distance, superior palpebral furrow shape, and eyeball prominence. Known's iris diameter is wider. Unknown has a larger periorbital eyelid area with more space near the midline. Unknown's lower eyelid area is asymmetrical with right lower eyelid protrusion. Known's infraorbital furrows are more prominent with darker undereye areas. Unknown's medial canthi are pointed, Known's are rounded. Iris color similar.
XQMJNP	Dissimilar	Known left eye inner side appears to point down and unknown left eye inner side seems to almost curve uppward. Skin under left eye appears to be different between subjects.
XTNLEQ	Dissimilar	Intercanthal distances Right eye fissure opening Left eye fissure opening -shape Right lower eyelid Left lower eyelid Prominence Crease below lower eyelid Shape and angle of lateral canthus of both eyes

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Image Set Q3: Table 4.3(g) - Eyes

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Intercanthal distance, Interpupillary distance. Dissimilarities include: Eye fissure opening: shape, angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, position in relation to iris/pupil, lash characteristics, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, visibility of the infraorbital furrow, position in relation to iris/pupil, lash characteristics, Eyeball prominence, Sclera: visibility, Iris: visibility, diameter relative to eye opening, position relative to eye opening, irregularity of iris, Medial canthus: caruncle, shape, angle, Lateral canthus: shape, angle, Asymmetry.
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Eyes

Total Participants: 59

Response	Percent Reported
Similar	9 (15.3%)
Dissimilar	46 (78.0%)
Inconclusive	4 (6.8%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q3: Table 4.3(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown's cheeks appear more full in shape, but could be due to expression difference
34T74N	Similar	
3LFL7K	Similar	The cheeks of known subject appear less full and prominent than that of unknown subject.
3M7MAM	Dissimilar	Different degrees of cheeks prominence.
4T9DRJ	Dissimilar	puffier cheeks on unknown than known, higher cheek bones
6JZ4ZJ	Dissimilar	Cheekbone
7B6GQY	Similar	
7PHQBF	Dissimilar	The fullness of the cheeks could be similar between the probe and candidate. The cheeks of the probe appear to be fuller due to the expression difference. The probe is smiling while the candidate has a neutral face expression.
89T2WX	Unable To Compare	The shape is different due to different expressions.
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Cheeks of the known image are fuller and wider than that of the known image. Also the unknown image has several facial markings that are present that are not on the known image.
9GLTHW	Similar	overall shape and size appear to be similar, however known appears to have slightly less adipose tissue; unknown's appear to be fuller but this could be due to the smiling expression displayed, causing the cheeks to bulge
9KFMFY	[Not Reported]	cheeks of Unknown(2) appear more lifted than cheeks of Known(1)
9U4MPG	Dissimilar	Focal length and different angle and mimics are of concern and might explain that the cheeks appear to be less prominent in known image
AKVB9D	Dissimilar	known- wide flat cheeks unknown- full rounded cheeks, dimples
B2Z6FC	Similar	Similar prominence. Unknown has facial marks on both cheeks possibly due to age difference.
BZH38T	Dissimilar	The shape of the cheek around the cheekbone is dissimilar.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	dissimilar shape and curvature, may be due to expression, dissimilar markings throughout
DA6QFC	Dissimilar	

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Image Set Q3: Table 4.3(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Cheeks – Known has flat cheeks with left nasolabial fold being more pronounced but not as curved as subject's right. Unknown's full cheeks are textured, blemish, and/or hyperpigmentation especially on left cheek. Unknown's right nasolabial fold starts higher at ala and ends below mouth at small bump and/or pimple, while left nasolabial fold start mid-ala and ends in line with mentolabial sulcus at mouth. Unknow has a small dimople grove just outside of left nasolabial fold.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The cheeks of the unknown appear larger because she is smiling, but otherwise they are of similar size, shape, and color.
H2WQ96	Dissimilar	Cheeks appear full in both, but there seems to be dimples in the unknown, but not the known. This could be due to a difference in facial expression.
HFB7XM	Similar	
HRQ6L4	Inconclusive	smiling expression in unknown image; cheeks appear slightly fuller in unk image.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Somewhat similar in texture and fullness.
JL2M67	Dissimilar	
K3KWNM	Similar	Similar in shape. Unknown is smiling which could cause her cheeks to appear more prominent.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Cheek bones in unk are higher and more pronounced. Known had very slight cheekbones. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks are fuller in the unknown but could be due to expression, marks on the unknown cheeks are not visible in the known, cheeks are redder in the known, marks on the right cheek of the known that is not in the same location on the unknown, dimples are visible in the unknown but not the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Although unknown has a wide, open mouthed smile, unknown's cheeks are fuller and higher than known's cheeks. Unknown also has faint freckle-like marks scattered around the cheeks that is not visible on the known image.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Zygomatic bones appear more prominent on U than K, cheeks appear dissimilar in fullness of soft tissue.

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Image Set Q3: Table 4.3(h) - Cheeks

WebCode	Observation	Feature Notes
PRMQFV	Similar	Fullness of the cheeks appear to be similar. More prominent on the unknown, possibly due to the difference in expressions. Unknown has faint creases on the left and right cheeks, not found on the known possibly due to the difference in expressions.
PVM3BV	Dissimilar	cheek bone prominence of unknown appears more pronounced, buccal creases appear on unknown that are not visible on known, cheek bones appear to be more wider on the unknown
PWHKDW	Dissimilar	cheeks a little smaller on known.
PWYRHE	Similar	Expression lines and nasolabial folds.
PX9LGZ	Dissimilar	Cheekbones on the unknown image seem higher and cheeks chubbier.
PY46H2	Dissimilar	Unknown- fuller (time?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The cheekbones appear to be more pronounced on the unknown. The cheeks appear to be less full on the known.
QYFHZU	Dissimilar	The cheeks are rounder and maybe set slightly higher.
R273NE	Dissimilar	Cheek protrusions are different with known having flatter cheeks. Shapes are somewhat similar in cheeks. Unknown has contouring in middle of both cheeks going out horizontally that isn't visible on known.
TBLBPC	Similar	
U6E77R	Dissimilar	cheeks in unk subject are more round and prominent
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown's smiling is making cheeks appear fuller and rounded. Known's cheeks are more flat without prominent cheekbones.
XQMJNP	Dissimilar	Known has a neutral expression making cheeks look natural; cheeks have some fullness to them. Unknown has a wide smile causing cheeks to lift slight; cheeks appear full with dimple on right cheek and slight dimple on left cheek.
XTNLEQ	Similar	Left Cheek shape
XYERF8	[Not Reported]	Dissimilarities include: Cheekbone prominence. Cheek shape, Dimples
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q3 Cheeks		Total Participants: 59
Response	Percent Reported	
Similar	19 (32.2%)	
Dissimilar	31 (52.5%)	
Inconclusive	7 (11.9%)	
Unable to Compare	1 (1.7%)	
Not Applicable	1 (1.7%)	

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Image Set Q3: Table 4.3(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar width of the nasal root; difference in shape and prominence of the nasal bridge; the unknown appears to have a more bulbous shape of the nasal tip; the unknown has more prominent definition and shape of the nasal alae
34T74N	Dissimilar	
3LFL7K	Dissimilar	The nose of known subject is narrower than that of unknown subject. Also, it appears that the width of the nose flares at the bridge on the known and not on the unknown. The nostrils on the unknown are more prominent than known. There may also be some curvature to one side of the length of the nose on known which is not visible on unknown.
3M7MAM	Dissimilar	Different nose shapes.
4T9DRJ	Dissimilar	nose of known is much skinnier and slightly crooked looking compared to much wider nostrils and tip of nose on unknown.
6JZ4ZJ	Dissimilar	structure of the nasal shape
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	The width of the nasal body appears to be dissimilar between the probe and candidate. The probe looks to have a wider nasal body compared to the candidate. The shape of the nasal base is dissimilar as well. The probe nasal base is wider than the candidate. The shape of the nostrils appears to be dissimilar.
89T2WX	Dissimilar	The nasal bridge and alae are not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known images bridge of the nose is thinner. The nostril shape is more round/smoother transition from the bridge of the nose on the known image and slightly triangular on the unknown image. There are numerous marks on the bridge of the nose of the unknown image, while knowns appear to be mark free.
9GLTHW	Dissimilar	overall shape, size, and degree of protrusion are dissimilar, as known's is smaller and protrudes to a greater degree; unknown's nasal root is wider and shallower; nasal body is dissimilar, as known's is narrower and crooked, whereas unknown's possesses a more uniform curve; nasal base and tip are dissimilar, as unknown's base is wider, and tip is larger and asymmetrical in shape, however width difference could be attributed to the smiling expression displayed; ala shape and thickness are dissimilar, as unknown's are thicker and more uniformly rounded in shape; nostril shape and size are dissimilar, as known's are smaller and asymmetric, whereas unknown's are elongated and angular in alignment; nasolabial folds appear to be somewhat similar in short length, starting location, close proximity to the mouth, and relative angular shape, however known's are less prominent, but this could be attributed to the neutral expression displayed
9KFMFY	Dissimilar	Known(1) has a slight right angle to the nose while Unknown(2) appears to have more straight; nasal tip of Unknown(2) appears rounder/more bulbous than Known(1); left/right ala of Unknown(2) are more lifted; nostrils of Unknown(2) appear to have wider curve/shape
9U4MPG	Dissimilar	Dissimilar asymmetric nasal body, possibly wider nasal base in unknown but might be due mimic differences and different lighting

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Image Set Q3: Table 4.3(i) - Nose

WebCode	Observation	Feature Notes
AKVB9D	Dissimilar	known- wide nasal root, narrow nasal body slight right/left curve, narrow, offset to left, pointed nasal tip, narrow nasal base unknown- wide nasal root straight narrow nasal body rounded nasal tip, wide nasal base, flaring alae (expression?)
B2Z6FC	Inconclusive	Similar nasal root free of creases. Similar curve in nasal body. Unknown has a wider nasal base and more pronounced alas possibly due to expression. Unknown appears to have a wider nasal body.
BZH38T	Dissimilar	The shape of the nasal tip is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose body shape and angle, nose tip size, nose base shape, nostril and alae shape, size and asymmetry.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	nose bridge direction and shape inconsistent, markings throughout unknown not in known, nostril shape not consistent
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Nose – Known has shorter nasal body and smaller ala than Unknown. Asymmetrical ala seen in both subjects Known has a longer left ala than right while Unknowns left sits higher than right. Unknown has supra ala crease on wider nasal body and higher nasal. Known has a pinched nose, right slanted nasal body, pointed nasal tip, and asymmetrical teardrop shaped nostrils.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different height, tip shape, nostril width, geometric shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The unknown's ala are wider and more flared than the known's. The known's nasal body is slightly curved, and the unknown's is straight.
H2WQ96	Dissimilar	Columella of unknown's nose appears wider.
HFB7XM	Dissimilar	Similar size and placement, columella, nostrils. Dissimilar; Shape of alae, nasal root and nasal body.
HRQ6L4	Dissimilar	nasal root dissimilar in width; similar contour of nasal body; dissimilar size and shape of nasal tip and alae.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar in shape of tip and ala's.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Nasal Bridge is not similar in width. Nasal body is not similar in shape/size/length/width. Nasal tip is not similar in shape/size. Unknown's is rounder. Nasal base is not similar in width. Unknown's appear wider. Ala are not similar in size/shape/thickness. Columella is not similar in width/thickness/shape. Nasolabial fold is similar in location/shape
KEBXX2	Dissimilar	Mainly around the nostrils and nasal base -could be because of facial expression
KHWG47	Dissimilar	

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Image Set Q3: Table 4.3(i) - Nose

WebCode	Observation	Feature Notes
L7ZVC2	Dissimilar	Nasal root is wider in unk. Known has narrow nasal root and bend to the right in nasal bone structure. Ala are wider and more pronounced in unk. Unk has significantly broader nasal bulb than known. Dissymmetry between known and unk. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	nasal base is wider in the unknown, length appears to be similar, nose goes to the right in both, bridge has an indention in the known on the left side that isn't visible in the unknown, nasal root is wider in the known, nasion crease is visible in the unknown but not the known, tip of nose is dissimilar in shape/size, ala thickness is dissimilar, columnella is visible in the known but not the unknown
LQZ4DH	Dissimilar	Nasal outline, columela, tip, base, alae, nostrils
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Both the known and unknown image have nose's that are similar in length and contour. The width of known's nasal body is thinner than unknown's nasal body. Unknown also has faint freckle-like marks scattered around the area of the nose that do not appear on the known image. The tip of unknown's nose is wider and more angular than known's tip. The nostrils on the unknown image are fuller, broader and the ala are more defined than the known image. The nasal body of the unknown image is straight, even in width from root to tip which is inconsistent with the curved, thin nasal body of the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasal root appears dissimilar in prominence, wider in K; nasal body appears dissimilar in deviation/angle/width/shape; nasal tip appears more bulbus on U; columella appears dissimilar in width; alae appear dissimilar in thickness and shape; shape of nostrils appear dissimilar as well as size; distance from nasal base to upper vermillion border appear dissimilar, may be due to expression.
PRMQFV	Dissimilar	Length of the nasal body is similar. The knowns nasal body curves to the right, the unknowns appears to be straight. Tip of the unknowns nose is more bulbous. Curvature of the nostrils are dissimilar, knowns left nostril opening is wider than the left. Unknowns nostril openings appear to be symmetrical. Unknown has creases on the left and right nostrils, not found on the known.
PVM3BV	Dissimilar	the nose of the unknown appears to be thicker in the nasal body, with more curved ala and a thicker nasal tip, nasolabial folds appear to be more prominent on unknown, this could be a result of the difference in expression
PWHKDW	Dissimilar	nose tip larger and shape is different in unk vs. k
PWYRHE	Similar	Nostrils. Nasal deviation in both images.
PX9LGZ	Dissimilar	The curvatures of the nose are pointing to different directions. Nasal bridge, body and base are different.
PY46H2	Dissimilar	Width of bridge/bulb
Q49MUY	Similar	

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Image Set Q3: Table 4.3(i) - Nose

WebCode	Observation	Feature Notes
QTWDAF	Dissimilar	The nasal root appears to be flatter and wider on the unknown. The nasal body appears to be irregular on both subjects but thinner on the known. The nasal tip appears to be wider on the unknown. The ala appear to be thicker and more angled on the unknown. The nostrils appear to be wider on the unknown.
QYFHZU	Dissimilar	The nasal body looks more narrow on the known than the unknown. The nasal base is wider in the unknown as well as the columella. The nasal openings also look wider in the unknown.
R273NE	Dissimilar	width at nasal root is different, also the indentions at that position is different between known and unknown. width down through body and at tip is different. Curvature down through body is different with known's being a little more curved to right. Ala shapes and sizes are different, nasal tip shape and size is different, with unknown's having bigger tip. Columella shape is also different between the two.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	nasal outline- wider and longer for unk subject. Known subject doesn't have symmetrical nose, goes more to left. Nasal root is wider for unk. Nasal body is wider and longer for unk subject. Nasal tip and base are wider for unk. Columella is thicker in unk subject.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar overall shape and size. Unknown - Nasal body is wider, nasal tip is larger and rounded, nasal base is wider, alae are thicker and pronounced. Known - Nasal body appears to have a lateral bend, nostrils are asymmetrical in shape.
XQMJNP	Dissimilar	Known nose has a slim bridge with an indentation/ curve on the left side. Unknown nose bridge appears wider and nostrils flare out more/ have more shape and definition.
XTNLEQ	Dissimilar	Overall shape Width Prominence Nasal tip Nasal base alae
XYERF8	[Not Reported]	Dissimilarities include: Nasal outline: shape, length, width, prominence, Nasal root: width, length, shape, depth, angle, Nasal body: width, length, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Nostrils: shape, size, Columella: width, length, relative position, Asymmetry and deviation.
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q3 Nose		Total Participants: 61
Response	Percent Reported	
Similar	2 (3.3%)	
Dissimilar	57 (93.4%)	
Inconclusive	2 (3.3%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q3: Table 4.3(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	different overall shape of the ears, especially the right helix; different shape and prominence to the left and right anti-helices; different lobe shape and prominence unknown has multiple piercings where the known has none
34T74N	Dissimilar	
3LFL7K	Dissimilar	The ears protrude similarly at the upper helix. The antihelix on known subject appear to be higher that those on unknown subject. Also, the lobes on known appear to protrude more than on unknown. Additionally, the nasal base on known is much smaller than unknown.
3M7MAM	Dissimilar	Different ear shapes.
4T9DRJ	Dissimilar	ears stand out and are different shape on unknown. Lobes are lower on known.
6JZ4ZJ	Dissimilar	ear protrusion, lobe
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	The overall shape of the ears appears to be dissimilar between the probe and candidate. The shape of the lobes between the probe and candidate appears to be dissimilar. The ears of the candidate look to protrude further from the head compared to the probe. The formation of the antihelix between the probe and candidate are dissimilar. The shape of the helix appears to be dissimilar as well.
89T2WX	Dissimilar	The shape is different, especially the antitragus.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The right ear of the known image has a fuller more rectangular antihelix shape while the unknowns is more angular at the top and then rounds out to a ledge near the lobe area. The lobe on the unknown image is not as full and appears more connected to the side of the face than that of the known image.
9GLTHW	Dissimilar	overall size is somewhat similar, however shape, degree of protrusion, and characteristics are all dissimilar; known's helices, anti-helices, and earlobes appear to be thicker and more rounded in shape, whereas unknown's characteristics are more defined and possess linear shapes
9KFMFY	Dissimilar	shape/curve/protrusion of left/right antihelix of Known(1) appears higher/rounder while curve/shape of Unknown(2) appears smaller/lower; Known(1) appears to have larger size to lobes than Unknown(2); visible curve/thickness of upper left helix of Unknown(2) appears slightly thinner than Known(1); ears of Known(1) appear to protrude slightly more outward than Unknown(2)
9U4MPG	Dissimilar	Due possible focal length differences could explain differences
AKVB9D	Dissimilar	known ears are only partially visible. detached lobes, rounded antihelix unknown appear to be attached lobes (not fully visible) double pierced ears, angular anti-helix
B2Z6FC	Dissimilar	Right ear of the known has a more rounded antihelix. Unknown appears to have a right ear with a thicker Helix. Known has lobes that are unattached.
BZH38T	Dissimilar	The shape of the earlobe is dissimilar.

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Image Set Q3: Table 4.3(j) - Ears

WebCode	Observation	Feature Notes
CKPXLT	Dissimilar	Dissimilar overall ear shape and angle, helix shape and thickness, antihelix shape and prominence, right scaphoid fossa shape and, ear lobe shape and size.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	ear shape (lobe and internal) not consistent
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Ears – Known has small ears with thick helix and a prominent antitragus. Unknown ears are larger, pointed helix recurves at a shaper angle, with a protruding antihelix and antitragus. Unknown's ears appear to be attached with 2 piercings adorning silver jewelry.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different earlobe type and shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The ears on both are of similar size and position, but the antihelix are of different shape
H2WQ96	Dissimilar	Tip of unknown's left ear appears to protrude more than the known's. Known's earlobes and antihelix of both ears appear larger that the unknown's.
HFB7XM	Dissimilar	Shape and placement of helix and antihelix (protrudes differently)
HRQ6L4	Dissimilar	unk image wearing earrings; dissimilar shape and angle of antihelix and helix.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Antihelix and helixes appear dissimilar.
JL2M67	Unable To Compare	
K3KWNM	Dissimilar	Ears are in similar position on the head. Helix is not similar in size/shape/contour. Anti-helix is not similar in size/shape. Lobe is not similar in size/shape. Anti-tragus is not similar in shape. Some parts of the ear cannot be compared due to hair blocking parts of it in the Known.
KEBXX2	Dissimilar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Ears of known and unknown slightly protrude. Some of known's right pinna are obscured by hairstyle. Lobes are attached in unk, while lobes are unattached in known. Tragus is markedly lower in right unk vs. right known. Left tragus is not present in unk while very visible in known. (Dis). Philtrum angular in known vs. not pronounced in unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	some of the top of ears is covered by hair in the known, shape is dissimilar, size is dissimilar, ear lobes appear to be attached in the unknown, unknown has earrings and the known does not, helix appears to be thicker in the known
LQZ4DH	Dissimilar	Overall shape and protrusion, Helix, Anthehelix, Lobule (Lobe)

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Image Set Q3: Table 4.3(j) - Ears

WebCode	Observation	Feature Notes
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known's ears are free from any alterations. Unknown image has pierced earlobes. The earlobes on the known image are thicker and protrude from the side of the head further than known image. The antihelix of known is inconsistent in contour of unknown's antihelix.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Right ear - Shape and thickness of helix appears dissimilar; antihelix appears dissimilar in thickness/shape/protrusion; antitragus appears dissimilar in protrusion and shape; lobe appears larger and thicker in K; Left ear – antihelix appears dissimilar in protrusion and shape; scaphoid fossa appears dissimilar; lobe appears much longer and larger in K and more protruded; ears appear dissimilar in placement on head.
PRMQFV	Dissimilar	Ears are partly covered by hair on the known. The shape of the right antihelix is dissimilar. Curvature of the right helix appears to be more rounded on the known and more angled on the unknown. The unknown is wearing earrings, known is not.
PVM3BV	Dissimilar	shape of the helix of the right ear differs with the known being more rounded, the known has thicker appearing lobes that protrude more from the head, the antihelix of the known appears to protrude out from the ear more than the unknown
PWHKDW	Dissimilar	unk's ears curve outward where known's don't as much
PWYRHE	Similar	lobe and helix.
PX9LGZ	Dissimilar	The helix (upper part) of the right ear is different.
PY46H2	Dissimilar	Overall shape, degree of protrusion
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The helix of the right ear appears to be more irregularly angled on the unknown. The antihelix appears to be pronounced lower on the unknown. The helix appears to be thicker on the known.
QYFHZU	Dissimilar	The ears appear to be higher in the unknown image than in the known. The antihelix of both ears protrude more than in the unknown.
R273NE	Dissimilar	Ear shapes are different, protrusions from head is different with known's coming out further from head. Earlobe shapes and sizes are way different with known's lobes protruding out. Unknown's ears start out at top of helix and cut in to earlobes. Antihelix shapes and positions are different in both ears. Helix shapes are different.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	lobes are bigger in known subject. Overall length of ear is longer in unk. Helix and antihelix are shaped differently.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar overall shape and degree of protrusion from head. Dissimilar shape and thickness of helix and antihelix. Dissimilar lobe shape and length.

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Image Set Q3: Table 4.3(j) - Ears

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Both subjects appear to be facing forehead approximately the same amount and the same distance from the camera. The full ear lobe is visible on the known and barely visible on the unknown. Overall shape appears different between subjects.
XTNLEQ	Dissimilar	Difference in both ears Antihelix Helix Lobe Antitragus Scaphoid fossa
XYERF8	[Not Reported]	Dissimilarities include: Asymmetry, Ear protrusion, Overall ear: size, shape angle, Helix: size, shape (visible portions only), Antihelix: size, shape, Lobe: size, shape, attachment. Not comparable: Tubercles: size, shape, quantity, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Abnormalities.
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Ears

Total Participants: 61

Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	57 (93.4%)
Inconclusive	2 (3.3%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q3: Table 4.3(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's upper and lower lip appear to be slightly less full than the known; the known appears to have a more prominent philtrum; the known appears to have a more prominent mentolabial sulcous; the unknown appears to have more prominent buccal creases
34T74N	Similar	
3LFL7K	Dissimilar	The mouth of known shows a pronounced philtrum and cupid's bow whereas these are not visible on unknown. Also, the lips on known appear more full than unknown. Additionally, the mentolabial sulcus on known is more pronounced than on unknown.
3M7MAM	Dissimilar	The lips have different levels of fullness.
4T9DRJ	Inconclusive	Mouth hard to compare due to smiling expression.
6JZ4ZJ	Not Applicable	Not applicable due of facial expirations
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	The upper vermillion border between the probe and candidate appears to be dissimilar. The fullness of the lower lips appears to be dissimilar. The philtrum of the candidate is more defined compared to the probe.
89T2WX	Unable To Compare	The shape is different due to different expressions.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Differing expressions…the Known image has a closed mouth grin while the unknown has a full smile that shows the upper teeth. The knowns bottom lip appears full/fatter than that of the unknown, but this could be due to expression change. The center of the upper lip of the known image appears to have a bubble affect while the unknown appears to have a dip upward in the center of the upper lip. Distance from upper lip to base of the nose appears shorter in the unknown image.
9GLTHW	Dissimilar	characteristics are difficult to compare due to differences in expressions displayed; despite being stretched by the smiling expression, unknown's philtrum appears to be shallower and lips thinner than known's; lip color is dissimilar as known's are a uniform lighter pink color, whereas the unknown's are a deeper pink and tonality is uneven; known's lips appear to be fuller and protrude to a greater degree, and the area beneath the lower lip is thicker; unknown has a larger, light-brown pigmented facial mark beneath the left side of the lower vermillion border that is not present on the known
9KFMFY	[Not Reported]	difference in expression, Known(1) has more neutral expression with mouth closed while Unknown(2) has smiling expression with mouth open and upper teeth visible; lips of Unknown(2) appear thinner which can be from difference in expression; appears to have slightly more of a peak to the shape of the cupid's bow of Known(1)
9U4MPG	Dissimilar	Tricky due image conditions and mimics. Slightly thinner lips in unknown, not fully expected difference
AKVB9D	Dissimilar	limited comparison due to expression difference- known- full lips across, slight cupid's bow, small tubercule of upper lip, angled philtrum (right to left) unknown- thin lips no noticeable tubercule of upper lip or cupid's bow
B2Z6FC	Dissimilar	bottom lip of known appears to be larger. Distance between nose and upper lip appears slightly different

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Image Set Q3: Table 4.3(k) - Mouth

WebCode	Observation	Feature Notes
BZH38T	Unable To Compare	A comparison cannot be made due to one of the individuals smiling.
CKPXLT	Dissimilar	Dissimilar mouth and fissure overall shape and size, upper and lower lip shape and size and, Cupid's bow shape.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	varied due to expression, coloring different (may be makeup), cupids bow more pronounced in known than unknown
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	Mouth – Fissure smile of Unknown is long with upper gums visible. Unknown has small teeth than and deep pink thin lips. Faint philtrum appears to be narrow and shallow leading into Known's rounded upper vermillion boarder, full lips with the upper and bottom being the same thickness and a straight fissure. Unknown has a freckle, mole, and/or mark under bottom lip on left side. Known's tori of lower lip is raised where vermillion boarder is and mentolabial sulcus shadow is visible.
EGYH2B	Inconclusive	
ELRHHR	Inconclusive	different shape, texture, and contour
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The unknown is smiling making the cupid's bow look smaller than the known's. Then known's lower lip appears larger than the unknown's.
H2WQ96	Dissimilar	Known's lips appear fuller and phitrum more pronounced but that could be due to a difference of facial expressions.
HFB7XM	Similar	Similar size and placement, same asymmetry philtrum.
HRQ6L4	Dissimilar	accounting for difference in expression; known image lips appear fuller and dissimilar contour of lower vermillion border; dissimilar prominence of tubercle of upper lip.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Fissure appears similar. Lip details appear dissimilar.
JL2M67	Dissimilar	
K3KWNM	Inconclusive	Mouth is in a similar position on face. Lips are similar in color. Known's appear lighter. It could be due to lighting. Vermillion border is similar in shape/contour. Philtrum is similar in location. Not similar in shape/size/prominence.
KEBXX2	Inconclusive	Difference in facial expression makes the mouth shape too different to compare- one smiling, the other isn't
KHWG47	Unable To Compare	Facial Expression
L7ZVC2	Dissimilar	Similar placement on face in known and unk. Vermillion line in known different from unk. Sulcus is more pronounced in known but may be from expression. (Dis)
L8289G	[No observations reported for this feature.]	

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Image Set Q3: Table 4.3(k) - Mouth

WebCode	Observation	Feature Notes
LADNAL	Dissimilar	mouth is open in the unknown with teeth showing, the known has mouth closed and neutral expression, upper lip on unknown is thinner, bottom lip on unknown is thinner, vermillion border is dissimilar, marionette lines are visible in the known but not the unknown, buccal creases are visible in the unknown but not the known, mark on the unknown below the bottom lip on the left side that is not visible in the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Expression variance
PD3BCW	Dissimilar	Known image has a closed mouth with a slight grin which is in contrast to the open mouth, exposed teeth, wide smile of the unknown image. Known's upper and lower lips are fuller than unknown. The upper and lower vermillion border appears rough, and textured on the unknown image with inconsistent pigment. The vermillion border of the known image appears smooth and has a pale pink pigment throughout. There is a round mark below the corner of the left side of the mouth on the unknown image that does not appear on the known image. The area of the mentolabial sulcus of the known image appears shorter than the unknown image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Philtrum appears more protruded in K, may be due to expression; upper and lower lips appear fuller in K; mentolabial sulcus appears deeper in K; left corner of mouth appears to slope upward in both; K appears to have marionette lines that are not visible in U, may be due to expression; upper and lower vermilion borders appear dissimilar in shape; texture of lips and tone appear dissimilar in both.
PRMQFV	Dissimilar	There is a difference in expressions, unknown is smiling showing teeth, known has a slight grin. Lips appear to be fairly thin on both subjects. Known has a cupids bow, not found on the unknown. The unknowns lips appear to be more textured. Philtrum found on the known, not found on the unknown. Tone of the lips are pink on known and unknown.
PVM3BV	Dissimilar	mouth differs greatly in expression, general thickness of upper lip appears to be similar but the lower lip appears to differ with the knowns being thicker in appearance - some facial marks can be seen around the unknown that are not visible around the known
PWHKDW	Dissimilar	shape of mouth and lips are different
PWYRHE	Similar	The chin is sharp.
PX9LGZ	Dissimilar	Philtrum on the known image seems longer.
PY46H2	Dissimilar	shape (expression?)
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The upper lip appears to be thinner and darker on the unknown. The fissure appears to be more irregular on the known. The philtrum appears to be deeper on the known.
QYFHZU	Inconclusive	In the unknown, the subject is smiling with the lips apart. The lips are together in the known.

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Image Set Q3: Table 4.3(k) - Mouth

WebCode	Observation	Feature Notes
R273NE	Dissimilar	Top lip shape and size is different with known having a thicker upper lip and bottom lip. Known has a more pronounced tubercle of upper lip. Known has a more visible philtrum. Mouth fissure curvature appear different. Mouth end angles also appear different with more downward facing ends on known.
TBLBPC	Inconclusive	grin
U6E77R	Dissimilar	philtrum is not as prominent in unk subject. Upper and lower lips are thinner for unk, upper vermilion is a lot straighter than in known subject.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Mouth shape and size appear to be somewhat similar given the different expressions. Known might have more fullness in the upper lip. Philtrum is more prominent in Known; Unknown's philtrum would flatten out from smiling, and their philtrum is not visible. Mentolabial sulcus location is similar.
XQMJNP	Inconclusive	Known has a neutral expression; her upper and bottom lips are about the same size; there is a slight up curve at the ends of the mouth; a shallow cupids bow. Unknown has a wide smile exposing her upper teeth and causing the lips to stretch. With the upper lip stretched, a cupid's bow cannot be seen; there is a slight up curve at the end of the mouth.
XTNLEQ	Dissimilar	Philtru m Overall Upper lip lower lip Fullness
XYERF8	[Not Reported]	Dissimilarities include: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, fullness, protrusion, lower vermillion border shape, detail, Lip fissure: shape, degree of contact, angle, Asymmetry. Not comparable: Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities.
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Mouth

Total Participants: 58

Response	Percent Reported
Similar	3 (5.2%)
Dissimilar	36 (62.1%)
Inconclusive	13 (22.4%)
Unable to Compare	4 (6.9%)
Not Applicable	2 (3.4%)

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Image Set Q3: Table 4.3(I) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar shaped and prominent jawline; the known appears to have a slightly more bulbous chin shape; the unknown appears to have a small dimple or scar present on the chin that isn't present in the known
34T74N	Similar	
3LFL7K	Dissimilar	The chin of known appears more flat at the tip of the chin than unknown, whose chin is more round. The jawline of unknown is more pronounced at the gonial angle than known.
3M7MAM	Dissimilar	Different degrees of chin protrusion.
4T9DRJ	Dissimilar	chin of unknown is a different angle.
6JZ4ZJ	Dissimilar	Overall shape and structure
7B6GQY	Similar	
7PHQBF	Dissimilar	The contour of the jawline between the probe and candidate appears to be dissimilar. The probe has a slimmer jawline compared to the candidate. The probe also has a rounder chin compared to the candidate.
89T2WX	Unable To Compare	The shape is different due to different expressions.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known is fuller and wider across the chin and jawline area. The chin of the unknown image appears shorter and more pointy than that of the known image. There are several markings on the chin/jaw area that are not present on the known image. The unknown image appears to have a scar near the bottom center area that is not present on the known image.
9GLTHW	Dissimilar	shape of the jawline is dissimilar, as known's is rounded versus unknown's is more angular and defined, however the approx. length is similar; narrowness, rounded shape, short height, and prominence appear to be similar; musculature is dissimilar, as known's is smooth whereas unknown's is uneven with depressions; known also has some red tonality on the chin that is not present on the unknown; unknown has a minor jowl that follows the rounded shape of the chin, whereas known doesn't
9KFMFY	[Not Reported]	Unknown(2) appears to have slight divot in chin not present for Known(1); both appear to have rounder curve to jawline
9U4MPG	Dissimilar	Possibly more protruding and squarer chin in known
AKVB9D	Dissimilar	known- rounded jawline, wide rounded chin- unknowm- angled jawline, pointy chin (expression?)
B2Z6FC	Dissimilar	Unknown chin shape is more rounded with an indentation in the middle. Known has a very slight gonial angle.
BZH38T	Dissimilar	The shape of the jawline is dissimilar.
CKPXLT	Dissimilar	Dissimilar gonial and jawline shape and angle and, chin shape and size.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	curvature around chin in unknown not present in known
DA6QFC	Dissimilar	

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Image Set Q3: Table 4.3(l) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Chin/Jawline – Asymmetrical jawline seen in subjects with left side more sqare and defined compared tin individuals right side. Unknown has a freckle, mole, and/or mark in the right of midline of jawline. Unknown has oval shaped depression, scar, and/or mark in the center of rounded protruding chin
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different shape
FBEYWM	Similar	
FZRJT8	Similar	The chin/jawline are of similar size and shape.
H2WQ96	Dissimilar	Unknown's chin is more pointed and jawline more angular.
HFB7XM	Similar	
HRQ6L4	Dissimilar	slight dissimilarity of contour of chin; smiling expression in unk image prevents detailed comparison; known image chin appears more squared than in unk image.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Chin shape and jawline appear dissimilar
JL2M67	Similar	
K3KWNM	Dissimilar	Chin is not similar in shape/size. But similar in location. Mentolabial sulcus is not similar in location/shape/size. Gonial angle is similar in size.
KEBXX2	Dissimilar	Unknown appears sharper/pointier - could be due to facial expression
KHWG47	Similar	
L7ZVC2	Dissimilar	Chin is more rounded in known. Unk has a more pointed chin. Both unk and known have similar coloring and skin texture in chin areas. Known chin appears wider but may be from expression.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	chin shape is dissimilar – the known is more square as the unknown is more round, marks on both but not in the same location/size/shape, unknown chin appears to have a dimple in the chin that the known does not have, the mentolabial sulcus is visible in both but dissimilar
LQZ4DH	Dissimilar	Chin, Jawlines
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Unknown's chin is more angular and narrower than known image. Shapes and shadowing are inconsistent. There is a slight indentation on the lower portion of the unknown's chin that is not on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Chin appears dissimilar in shape/size/protrusion in both; jawline appears more defined in U; scar appears present on U not visible in K.
PRMQFV	Dissimilar	Curvature of the knowns chin is rounded, appears to be more pointed on the unknown. Jawlines has a similar curvature.

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Image Set Q3: Table 4.3(I) - Chin/Jawline

WebCode	Observation	Feature Notes
PVM3BV	Similar	general shape of the chin appears to be similar between subjects along with the angle of the jawline
PWHKDW	Similar	both have more rounded chins
PWYRHE	Similar	The lips are thinner.
PX9LGZ	Similar	Overall jawline is similar with rather strong chin.
PY46H2	Dissimilar	Shape
Q49MUY	Similar	
QTWDAF	Dissimilar	The chin appears to be less pronounced on the unknown. The jaw appears to be more squared on the unknown. There appears to be a double chin on the unknown however this could be due to differences in weight.
QYFHZU	Similar	
R273NE	Dissimilar	Gonial angles appear a little different. Jawline coming down to chin is different on both sidesw between known and unknown. Chin shape and contouring is different between known and unknown. Unknown has a dimple or scar in middle of chin not visible on known.
TBLBPC	Dissimilar	younger person has wider chin
U6E77R	Dissimilar	Chin for unk subject is pointer, gonial angle is sharper.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has a wider jaw and a more prominent jawline and chin. Known has sloping jawline and the chin shape is flatter at the bottom; some asymmetry is noted with more fullness in the left jawline.
XQMJNP	Dissimilar	Both subjects have a small and somewhat pointy chin. Skin on unknown appears textured, this could be due to aging.
XTNLEQ	Dissimilar	Overall shape
XYERF8	[Not Reported]	Dissimilarities include: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition Gonial angle: shape, definition, Asymmetry.
XYJ9D7	Similar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q3 Chin/Jawline		Total Participants: 59
Response	Percent Reported	
Similar	16 (27.1%)	
Dissimilar	42 (71.2%)	
Inconclusive	0 (0.0%)	
Unable to Compare	1 (1.7%)	
Not Applicable	0 (0.0%)	

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Image Set Q3: Table 4.3(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar overall neck width; difference in neck creases in shape, prominence, number and location
34T74N	Similar	
3LFL7K	Dissimilar	The necks on both are similar in width and length. Known subject has fewer creases and marks visible than unknown. The visible creases don't apper consistent between the two.
3M7MAM	Dissimilar	Neck wrinkles appear differently.
4T9DRJ	Dissimilar	neck seems longer on unknown and has different crease lines
6JZ4ZJ	Dissimilar	shape of neck
7B6GQY	Similar	
7PHQBF	[Not Reported]	The neck wrinkles of the probe and candidate do not line up with one another.
89T2WX	Dissimilar	The neck lines are different.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The neck of the unknown is wider and shorter in length. There are more prominent creases on the neck of the unknown image as well as marks/freckles that are not consistent with the known image.
9GLTHW	Dissimilar	width is similar, but length and musculature are dissimilar, as unknown's appears to be slightly longer and thicker in musculature; known has two prominent neck wrinkles on the upper portion of the neck that are slightly curved, with the lower one bifurcating to the right, whereas unknown has 6 prominent neck wrinkles that are positioned in the upper, middle, and base portions of the neck, and are more rounded in shape; unknown also has several, small, darker pigmented facial marks dispersed all over that are not visible on the known
9KFMFY	Dissimilar	difference in number/prominence/shape/distribution of neck wrinkles present; Unknown(2) has more neck wrinkles that curve closer together than neck wrinkles of Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	narrow, contoured. neck wrinkles present unknown- wide, straight , many neck wrinles present
B2Z6FC	Dissimilar	Unknown has more creases. The creases that are visible in the known are not visible in the unknown.
BZH38T	Dissimilar	The length of the neck is dissimilar.
CKPXLT	Dissimilar	Dissimilar neck height and width and, soft tissue fullness.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	creases on neck are not similar in direction or location
DA6QFC	Similar	

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Image Set Q3: Table 4.3(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Neck – Known has two horizontal neck creases about an inch apart that sit high, just below chin, on subjects shorter neck. Unknown has a freckle, mole, and/or mark above left side of highest horizontal neck crease and another just right of midline under chin. Unknown horizontal neck crease from subjects right to midline has a freckle, mole, and/or mark at the end of in line with similar mark in shape and color under chin.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Similar	
FZRJT8	Dissimilar	The necks of both are similar width, but the unknown's neck appears longer than the known's. The neck creases appear to be different. The unknown has facial marks that the known does not have.
H2WQ96	Dissimilar	Both have lines and marks on their necks, but they differ in appearance and postion.
HFB7XM	Similar	Similar shape and placement. Dissimilar; placement of lines on the neck.
HRQ6L4	Dissimilar	width appears similar, length slightly dissimilar; lateral contour of neck dissimilar.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in size. Wrinkles appear dissimilar.
JL2M67	Similar	
K3KWNM	Dissimilar	Neck not similar in length/width/shape. Neck wrinkles are not similar in quantity/location/shape. Facial markings present on the Unknown are not present in the Known.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Unk appears to have longer neck than known but age difference may account for differences. Both have neck lines visible. Different neck line pathways between known and unk. Bifurcation in lower neck line of known is not present in unk. Two neck lines visible in known, three main lines visible in known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown neck is thicker and longer, the neck creases are dissimilar, both have marks on the chin that are not in the same location/size/shape, unknown neck is more red
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	

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Image Set Q3: Table 4.3(m) - Neck

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The width, height and weight of both known and unknown's neck appears consistent. Both known and unknown images have two prominent horizontal lines that extend the entirety of width of the neck. There also appears to be a third horizontal line, half the width of the neck, directly beneath the lower, longer neck crease on the right side of the neck that appears similar but is slightly inconsistent in direction. The unknown image has a third crease near the collarbone that extends the width of the neck that is not present on the known image. There are four to five small, round, dark marks similar to the appearance of freckles and/or moles, scattered along the area of unknown's neck that are not on the neck of the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Neck creases present in both, however appear dissimilar in location/depth/quantity; facial marks present on neck on U not visible in K, one on K that may appear present on U.
PRMQFV	Dissimilar	Unknowns neck appears to be longer. The creases in the neck are dissimilar, unknown has more and the relative location of the creases are dissimilar.
PVM3BV	Dissimilar	both subjects have prominent creases in the neck region however they are not consistent between one another, the same can be said about mole like marks seen in the neck region of both subjects
PWHKDW	Dissimilar	creases extremely different. UNK's neck is much longer
PWYRHE	Similar	The neck is long.
PX9LGZ	Dissimilar	The neck on the unknown image seems wider.
PY46H2	Dissimilar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The neck appears to be thick on the unknown. There are more neck wrinkles on the unknown.
QYFHZU	Similar	
R273NE	Dissimilar	Neck thickness relative to head is different. Neck line positions and curvatures and depths are different, with unknown have more lines, more rounded and deeper than known's neck lines.
TBLBPC	Similar	
U6E77R	Dissimilar	Neck is longer for unk subject. Wrinkles do not match up
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Width of neck related to head width is similar. Shirt collars are preventing a proper length comparison, but the neck length to head length is approximately similar.
XQMJNP	Dissimilar	Overall size of neck appears similar on both subjects. The neck creases are not shaped the same on both subjects. Unknown has at least 3 facial marks on her neck.

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Image Set Q3: Table 4.3(m) - Neck

WebCode	Observation	Feature Notes
XTNLEQ	Dissimilar	Height
XYERF8	[Not Reported]	Dissimilarities include: Overall neck: width, height, details. Not comparable: Laryngeal prominence: shape, size, prominence, location
XYJ9D7	Similar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Neck

Total Participants: 60

Response	Percent Reported
Similar	14 (23.3%)
Dissimilar	44 (73.3%)
Inconclusive	1 (1.7%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.7%)

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Image Set Q3: Table 4.3(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Similar	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Dissimilar	explained in individual features
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	N/A
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Similar	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q3: Table 4.3(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Unable To Compare	Neither known or unknown has visible facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	not evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Dissimilar	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q3: Table 4.3(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Nil observed: Above upper lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Below lower lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Cheeks/chin jawline: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Neck: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail.
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q3 Facial Hair — Total Participants: 61

Response	Percent Reported
Similar	2 (3.3%)
Dissimilar	2 (3.3%)
Inconclusive	1 (1.6%)
Unable to Compare	3 (4.9%)
Not Applicable	53 (86.9%)

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Image Set Q3: Table 4.3(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	
3LFL7K	Inconclusive	The nasolabial folds on both are similar. Forehead creases, creases around the eyes and neck creases are visible on unknown but not on known. Unknown also has somewhat noticeable dimples that aren't visible on known.
3M7MAM	Dissimilar	Wrinkles on the face and neck appear differently.
4T9DRJ	Dissimilar	dimples much more pronouced due to expression difference on unknown. Chin and neck lines are not lining up the same
6JZ4ZJ	Dissimilar	Different in lines
7B6GQY	Inconclusive	
7PHQBF	[Not Reported]	The nasolabial folds are present between the two images, but there is a dissimilarity between the depth and location. The probe has visible left and right periorbital creases while the candidate does not. The probe also, has frontal lines that are not visible on the candidate. The probe also has more defined inferior orbital creases compared to the candidate.
89T2WX	Dissimilar	The periorbital wrinkles are not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	Unknown(2) has presence of left/right periorbital creases; Unknown(2) appears to have more prominent left marionette line that curves rounder/slightly further from left corner of mouth; left/right nasolabial folds of Unknown(2) more prominent than Known(1); other facial lines mentioned elsewhere
9U4MPG	Dissimilar	Only visible lines in known image are those on the neck and they are not fully lining up.
AKVB9D	Dissimilar	known- faint nasolabial lines right terminates into marionette line left terminates outside/above marionette line, some neck wrinkles. unknown- periorbital lines, inferior palpebral creases, right nasolabial line starts at alae and ends in marionette line, left nasolabial line starts above alae and outside/above marionette line. numerous neck wrinkles
B2Z6FC	Dissimilar	Unknown appears to be slightly older so more facial lines are visible. Unknown has visible periorbital creases on both sides. Other facial lines discussed throughout.
BZH38T	Dissimilar	The shape of neck wrinkles and the nasolabial fold are dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead crease, right inferior, left superior and left inferior palpebral crease shape and number, nasolabial folds shape, cheek dimples and neck creases number and placement.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	dissimilar throughout both images

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Image Set Q3: Table 4.3(o) - Facial Lines

WebCode	Observation	Feature Notes
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different dimensions and patterns
FBEYWM	Similar	
FZRJT8	Dissimilar	The unknown has more distinct infraorbital creases than the known. Both have similar nasolabial creases.
H2WQ96	Dissimilar	Unknown has periorbital creases, inferior palpebral creases, and buccal creases and the known does not. This could be due to age difference.
HFB7XM	Dissimilar	Placement of lines on the neck.
HRQ6L4	Dissimilar	superior and inferior palpebral creases dissimilar in contour and prominence; nasolabial folds appear similar in angle; neck lines dissimilar in contour and placement.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Nasolabial folds and neck wrinkles appear dissimilar.
JL2M67	Unable To Compare	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	More lines around unknown's eyes - could be due to age, facial expression, image quality
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Nasolabial lines present in both but more pronounced in unk, probably due to age difference. Crows's feet visible in unk not in known also due to age differences. Forehead lines visible in unk however poor quality of known photo prevents full comparison.
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Mentolabial sulcus, wrinkles on neck
P6CLXG	Dissimilar	Neck wrinkles
PD3BCW	Dissimilar	mentioned in the description of the eyes and neck
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasolabial folds appear deeper and dissimilar in shape in U. Others aforementioned.
PRMQFV	Dissimilar	Unknown has crows feet, not found on the known. The inferior palpebral creases are dissimilar in location and prominence. Known has inferior orbital creases, not found on the unknown. The unknown has faint frontal lines, not found on the known.
PVM3BV	Dissimilar	refer to forehead, eyes, nose, cheeks and neck sections above

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Image Set Q3: Table 4.3(o) - Facial Lines

WebCode	Observation	Feature Notes
PWHKDW	Dissimilar	Eyes creases not observed in K
PWYRHE	Similar	Nasolabial folds.
PX9LGZ	Dissimilar	The creases in the corner of the mouth, on the neck and nasolabial folds are different.
PY46H2	Dissimilar	Neck lines (time?)
Q49MUY	Similar	
QTWDAF	[Not Reported]	The unknown has more visible periorbital lines and inferior palpebral creases than the known. The nasolabial lines appear to have a different angle.
QYFHZU	Inconclusive	None observed in the known. There are right and left preorbital and inferior palpebral creases in the unknown. There is a possible age difference between the subject's which may account for the creases.
R273NE	Dissimilar	Nasolabial lines starting positions at nose, curvatures and indentions are different. Known has marionette lines on either side of mouth not really seen on unknown. Unknown has buccal lines not visible on known. Other lijnes discussed in above sections.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unk subject: more prominent right and left periorbital creases and Nasolabial folds
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar. Unknown - approx two fine frontal lines. Periorbital lines present. Deep superior palpebral creases. There is a single deeper inferior palpebral crease under the right eye, and four shallower creases under the left eye. Infraorbital creases are not prominent. Due to smiling, the nasolabial creases are deeply defined. Unknown has many (~7) deep neck creases. Known - younger age and more neutral expression, fewer/less prominent lines/creases are expected. Known has similar deep superior palpebral creases. Shallow inferior palpebral creases and infraorbital creases noted, but no periorbital lines. Nasolabial creases start at a similar area at the nose, but they appear to end at a different area by the mouth. Known possibly has a slight cleft chin. A few moderately deep neck creases noted, but they are dissimilar in number and appearance.
XQMJNP	Dissimilar	Facial lines around the nose and mouth appear to be difference on both subjects. See above description for additional.
XTNLEQ	Dissimilar	Periorbital lines adjacent to right eye Periorbital lines adjacent to left eye Right inferior palpebral crease Left inferior palpebral crease Right superior palpebral crease Left superior palpebral crease Right infraorbital creases Left infraorbital creases
XYERF8	[Not Reported]	Dissimilarities include: Periorbital lines, Superior palpebral crease, Inferior palpebral crease, Infraorbital crease, Nasolabial crease Marionette lines, Wrinkles on neck. Not comparable: Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Circumoral striae, Mentolabial sulcus, Cleft chin, Buccal creases, Other creases.
XYJ9D7	Dissimilar	

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Image Set Q3: Table 4.3(o) - Facial Lines

WebCode	Observation	Feature Notes
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Facial Lines		Total Participants: 58
Response	Percent Reported	
Similar	3 (5.2%)	
Dissimilar	49 (84.5%)	
Inconclusive	3 (5.2%)	
Unable to Compare	1 (1.7%)	
Not Applicable	2 (3.4%)	

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Image Set Q3: Table 4.3(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	Not detected.
8FP3RH	Dissimilar	
8ZX32H	Not Applicable	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Not Applicable	
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Inconclusive	Possible scar on chin, but hard to determine in known, explainable by time diff
AKVB9D	Inconclusive	unknown- possible scar a base of chin
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar scar-like round skin depression on lower chin of the Unknown not visible in the Known.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	potential scar on chin only visible in uknown image
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Unable To Compare	not visible
FBEYWM	Dissimilar	
FZRJT8	Not Applicable	None visible
H2WQ96	Dissimilar	Possible scar on chin of unknown not observed in known.
HFB7XM	Not Applicable	

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Image Set Q3: Table 4.3(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Dissimilar	both images have a small scar on the chin; dissimilar prominence and contour.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Unable To Compare	Known image quality lacks detail (blurry/fuzzy)
KHWG47	Dissimilar	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Dissimilar	Apparent age difference
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Aforementioned; may be one present on forehead of U, however would place it as a facial mark, not present in K.
PRMQFV	Similar	No scars observed on either subject.
PVM3BV	Not Applicable	
PWHKDW	Dissimilar	scar on unk's chin not present in k
PWYRHE	Similar	Scar on the nasal dorsum, Scar on the chin
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Dissimilar	there are some scar/marks on both subjects however they do not appear to be in a similar location or alignment.
QYFHZU	Not Applicable	
R273NE	Not Applicable	No scars of note
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	

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Image Set Q3: Table 4.3(p) - Scars

WebCode	Observation	Feature Notes
UZ6NFC	Not Applicable	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown possibly has a scar on the tip of the chin. No other scars noted.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Nil observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q3 Scars

Total Participants: 59

Response	Percent Reported
Similar	2 (3.4%)
Dissimilar	13 (22.0%)
Inconclusive	3 (5.1%)
Unable to Compare	5 (8.5%)
Not Applicable	36 (61.0%)

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Image Set Q3: Table 4.3(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown has various facial marks all over the face and neck that are not consistent with the known
34T74N	Dissimilar	
3LFL7K	Dissimilar	Freckles and small dark spots are visible on unknown but not on known.
3M7MAM	Dissimilar	Discordant pigmentation abnormalities between facial and cervical regions.
4T9DRJ	Dissimilar	much more marks on unknown, several freckles on unknown that are not visible on known.
6JZ4ZJ	Dissimilar	Different in lines
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Facial marks on the probe are not visible on the candidate.
89T2WX	Dissimilar	The freckles and moles are not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	Unknown(2) has abundance of small/faint facial markings present over entirety of the face while Known(1) does not appear to have as many or be as noticeable; round facial mark present under/near left corner of mouth of Unknown(2) not present for Known(1); three facial marks present on neck of Unknown(2) not present/similar for Known(1); small facial mark present between eyebrows of Unknown(2) slightly closer to right eyebrow not present for Known(1); two facial marks present on lower left cheek of Unknown(2) near left corner of mouth not present for Known(1)
9U4MPG	Dissimilar	None visible in known image several in unknown image (neck, cheeks, forehead). The differences might possibly be explained by time diff and image quality
AKVB9D	Dissimilar	known- minimal facial marks. unknown- freckles/facial marks throughout face and neck
B2Z6FC	Dissimilar	Unknown has a facial mark under the bottom lip left side and more freckles
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar various freckles visible on face overall, one dark skin mark under the left mouth corner, one small dark skin mark on left lower lip, blood vessels detail on the left sclera, five dark skin marks on neck of the Unknown not visible in the Known.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	multiple marks visible in unknown which are not in known
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.

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Image Set Q3: Table 4.3(q) - Facial Marks

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	for unknown profile, there is moles at cheeks
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The unknown has many facial marks that the known does not have
H2WQ96	Dissimilar	Many facial marks observed on unknown that are not present on known.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	unk image has multiple facial marks throughout face and neck - known image has few; dissimilar positioning and prominence.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Inconsistent between known and unknown.
JL2M67	Not Applicable	
K3KWNM	Dissimilar	Facial marks are not similar in size/location
KEBXX2	Dissimilar	Known image quality lacks detail (blurry/fuzzy) but the known appears to have little to none of the freckling/moles that the unknown does
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Marks visible in unk not in known.
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	faint, small, freckle-like marks scattered around the facial area of the unknown image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Many facial marks present in U not visible in K
PRMQFV	Dissimilar	Unknown has what appears to be freckles throughout the face, not found on the known. Unknown has darker facial marks on the left cheek, not found on the known. Unknown also has marks on the neck, not found on the known.
PVM3BV	Dissimilar	refer to skin, forehead, cheeks, mouth and neck sections above
PWHKDW	Dissimilar	UNK has freckles and K doesn't
PWYRHE	Similar	Nasolabial folds.
PX9LGZ	Dissimilar	Freckles and pigmentation spots are well seen on the unknown image, whereas the complexion on the known image is more even.
PY46H2	Dissimilar	Significant freckles on Unknown absent on known, including on neck

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Image Set Q3: Table 4.3(q) - Facial Marks

WebCode	Observation	Feature Notes
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	there are some scar/marks on both subjects however they do not appear to be in a similar location or alignment.
QYFHZU	Dissimilar	None observed in the known. Dark spot between the eyebrows, below the left side lip, left cheek, and four on the neck.
R273NE	Dissimilar	Unknown has freckles and many other marks throughout face and on neck not seen on known.
TBLBPC	Dissimilar	freckles/moles
U6E77R	Dissimilar	unk subject has many marks/freckles on face and neck
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has many marks and freckles that are not present in the Known. Unknown - Freckles concentrated on the upper forehead, cheeks, and nose with many of the marks being larger and darker. Mark between eyebrows, mark under the left side of the mouth, four marks on the neck. Known - a few light marks on the forehead, cheeks, and under the eyes.
XQMJNP	Dissimilar	See above descriptions
XTNLEQ	Dissimilar	Image B has dark spots on neck and under the lip left side
XYERF8	[Not Reported]	Dissimilarities include;: Q1 appears to have a number of facial marks across the face that are not visible in R1. Some marks are visible on R1 however the shape, location and prominence are inconsistent with those in Q1.
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Facial Marks	Total Participants: 61
Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	55 (90.2%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	4 (6.6%)

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Image Set Q3: Table 4.3(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Unable To Compare	Pierced ears and dyed hair.
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	Differences in whether people wear earrings.
4T9DRJ	Dissimilar	unknown has double pierced ears whereas the known does not.
6JZ4ZJ	Similar	none
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The unknown sample has obvious eyelash makeup traces
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	unknown's hair is dyed purple, ears are pierced, and has mascara on lashes
9KFMFY	[Not Reported]	Unknown(2) has two piercings in both ears, one stud piercing and one hoop piercing; Unknown(2) appears to be wearing more make-up, especially around eyes/mouth
9U4MPG	Not Applicable	Earrings in unknown, not in known, can be explained by time
AKVB9D	Dissimilar	unknown- double pierced ears
B2Z6FC	Dissimilar	Known doesn't appear to have ears pierced
BZH38T	Dissimilar	One of the individuals has a earring.
CKPXLT	Dissimilar	Dissimilar visible make-up on eyelids and lips of the Unknown not visible in the Known.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	hair and makeup alerations present
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	same head tilt and physical alterations
FBEYWM	Dissimilar	
FZRJT8	Not Applicable	None visible
H2WQ96	Dissimilar	Unknown has earlobes double pierced and some purple hair. Known has no piercings or purple hair.

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Image Set Q3: Table 4.3(r) - Alterations

WebCode	Observation	Feature Notes
HFB7XM	Not Applicable	
HRQ6L4	Dissimilar	unk image has earrings.
HUCPQ8	Inconclusive	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[Not Reported]	Unknown has purple colored hair and is wearing mascara.
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	unknown has makeup on and hair colored
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Dissimilar	Unknown image has piercings in the earlobes.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	U appears to have makeup and piercings, not visible in K. K may have piercing in right ear, but due to quality, unsure. No tattoos present in either.
PRMQFV	Not Applicable	Unknown is wearing earrings.
PVM3BV	Dissimilar	unknown has altered hair as well as wearing earrings
PWHKDW	Not Applicable	
PWYRHE	Similar	Naseogenial grooves.
PX9LGZ	Not Applicable	Pierced ears are visible on the unknown image, but not on the known image.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Dissimilar	hair coloring and earrings on the unknown.
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note
TBLBPC	Dissimilar	earrings
U6E77R	Not Applicable	

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Image Set Q3: Table 4.3(r) - Alterations

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown is wearing makeup and has colored hair.
XQMJNP	Dissimilar	Unknown has 2 piercings in both ears. Known does not appear to have ears pierced; or at least is not wearing any earrings.
XTNLEQ	Dissimilar	mage B with piercing
XYERF8	[Not Reported]	Piercing - lobe piercing in Q1 not visible in R1. Makeup - Q1 appears to be wearing makeup. Tattoo. Other
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q3 Alterations — Total Participants: 57

Response	Percent Reported
Similar	3 (5.3%)
Dissimilar	23 (40.4%)
Inconclusive	2 (3.5%)
Unable to Compare	3 (5.3%)
Not Applicable	26 (45.6%)

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Image Set Q3: Table 4.3(s) - Other Features

WebCode	Feature	Observation	Feature Notes
CKPXLT	Limitations	Dissimilar	Ageing, expression, perspective distortion, styling and image quality.
LADNAL	Quality		known quality is good frontal images, the unknown is a good quality frontal images, lighting is better in the unknown, distance to camera appears to be similar, unknown image is more crisp
PWYRHE	Image superposition	Similar	Image superposition. Cranial points and cephalometric planes do not match.
XPRZMN	Facial expressions	Dissimilar	Unknown is smiling broadly with eyes and mouth, Known has a very small smile that doesn't include the eyes.
XPRZMN	Image quality	Similar	Unknown image potentially has very slight perspective distortion. Unknown image has high clarity and detail. Known image is slightly less clear.

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Detailed Feature Observations

TABLE 4 - Image Set Q4

Image Set Q4: Table 4.4(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar skin tone; similar skin texture
34T74N	Similar	
3LFL7K	Similar	The skin on both known and unknown is similar in texture and tone.
3M7MAM	Dissimilar	Differences in skin tone and texture.
4T9DRJ	Dissimilar	Similar skin tone. Skin on known seems more porous
6JZ4ZJ	Similar	Similar tones and features
7B6GQY	Similar	
7PHQBF	Dissimilar	Skin tones between the probe and candidate appears to be similar between the probe and candidate.
89T2WX	Dissimilar	The skin tone is not similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Dissimilar coloring and the texture of the skin. The unknown image appears to have more markings than the known image.
9GLTHW	Dissimilar	texture appears to be somewhat similar, however complexion is dissimilar, as known's has a reddish tonality, whereas unknown is displaying a more tanned tonality; highlighting and shadowing on the contours of the face are dissimilar, indicating that the underlying musculature and bone structure are also dissimilar
9KFMFY	[Not Reported]	both have lighter skin tones; Known(1) has more reddish tint which can be from difference in lighting
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Dissimilar	Similar in color. Dissimilar texture. Known has a rougher skin texture.
BZH38T	Dissimilar	The skin tone is disssimilar because one of the individuals's skin is red.
CKPXLT	Similar	Similar skin tone and texture.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	marks inconsistent throughout skin
DA6QFC	Inconclusive	

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Image Set Q4: Table 4.4(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Skin – Both subjects have fair skin. Known has a red/flushed tone throughout her entire face. Although the subject is in poor lighting with shadowing visible affecting the center of Known's face which appears to be textured. Unknown has normal to oily skin in t-zone areas and at hairline. Unknown has a warm red undertone in midline region and is paler in around face outline. Unknown's pore are visible in cheeks near subject's nose.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different texture, color, etc.
FBEYWM	Inconclusive	
FZRJT8	Similar	The skin appears of similar tone between both of them
H2WQ96	Similar	Tone and texture appear similar.
HFB7XM	Dissimilar	Marks
HRQ6L4	Similar	similar color and texture
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion and tone. Dissimilar facial marks.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in light color/texture
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Very similar in tone and texture. Due to lighting, actual hues are not able to be compared fully. Unk does show more facial marks than known but may be due to Make-up/ covering.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone is darker in the known, texture appears smoother in the known, unknown skin is glossier towards the top of the forehead near the hairline
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Dissimilar	Both known and unknown have consistent light skin tone with a reddish hue. Each has a mostly smooth unblemished texture that appears free from lines, creases and wrinkles. The unknown image has faint, small discolored marks similar to that of freckles, scattered around the lower portion of the facial plane that is inconsistent with the known image. Known and unknown appear close in age. Both have similar weight in the face. The lighting of the unknown image is bright and direct, which enhances skin detail and texture clarity
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Skin appears dissimilar in overall tone/texture/luminance, may be due to lighting/quality.

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Image Set Q4: Table 4.4(a) - Skin

WebCode	Observation	Feature Notes
PRMQFV	Inconclusive	Tone of the skin appears to be somewhat similar, known has more of a reddish undertone. Texture of the skin is fairly smooth on known and unknown.
PVM3BV	Similar	skin tone appears to be similar between subjects - texture of unknown appears more aged and facial marks appear to be more present as well
PWHKDW	Similar	both are white females
PWYRHE	Similar	same color
PX9LGZ	Similar	Similar tone and texture.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The subjects appear to have a similar light skin tone. The faces both appear to have texture to the face but in a different way.
QYFHZU	Similar	The color and tone are consistent.
R273NE	Inconclusive	Skin tone appears a little different, but may be due to lighting differences. Texture appears somewhat similar between known and unknown. Luminance on forehead and on nose/cheeks appear different between the two.
TBLBPC	Inconclusive	very different lighting conditions
U6E77R	Similar	same texture/color
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar tone and texture
XQMJNP	Similar	Both subjects are light skinned with some pink undertones.
XTNLEQ	Similar	Overall tone texture
XYERF8	[Not Reported]	Similarities include: Overall skin appearance: texture Dissimilarities include: (may be due to differences in lighting in Q & R) Overall skin appearance: tone
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q4 Skin		Total Participants: 59
Response	Percent Reported	
Similar	34 (57.6%)	
Dissimilar	17 (28.8%)	
Inconclusive	6 (10.2%)	
Unable to Compare	0 (0.0%)	
Not Applicable	2 (3.4%)	

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Image Set Q4: Table 4.4(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall facial shape; similar cranial vault shape
34T74N	Similar	
3LFL7K	Similar	The cranial vault is similar in shape on both subjects and the brow ridge is not prominent.
3M7MAM	Dissimilar	Different facial outlines.
4T9DRJ	Dissimilar	outline seems different especially on right side of known
6JZ4ZJ	Dissimilar	dissimilar shape
7B6GQY	Similar	
7PHQBF	Dissimilar	Both the probe and candidate look to have a similar face outline. Both appear to have more of an oval face outline.
89T2WX	Dissimilar	The lower part of the face is not similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Face/head outline is dissimilar. The known image is fuller through the cheek area and also shorter distance from hairline to chin, than that of the unknown image.
9GLTHW	Dissimilar	facial shape and size are dissimilar, as known's is smaller and irregular shaped, whereas unknown's is a more uniform oval shape, and is elongated; cranial vault shape is difficult to compare due hair coverage
9KFMFY	[Not Reported]	both have more oval shape to face/head outline
9U4MPG	Inconclusive	
AKVB9D	Similar	
B2Z6FC	Dissimilar	Unknown appears to have a more oval shaped face. Cranial vaults are similar in both
BZH38T	Dissimilar	One of the individuals's forehead is protruding.
CKPXLT	Dissimilar	Dissimilar general face shape.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	cheek shape different, may be due to expression
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Face/Head Outline – Known face appears to be an upside down pentagon with rounded edges. Unknwn's is more of an oval outline or egg-shaped.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Similar	

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Image Set Q4: Table 4.4(b) - Face/Head Outline

WebCode	Observation	Feature Notes
FZRJT8	Inconclusive	The face/head outline is similar, but the unknown's head appears more oval in shape
H2WQ96	Similar	Face outline is similar oval shape.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	expressions in both images diminish comparability but overall face outline appears similar; head shape partly obscured by hair but appears dissimilar in width and shape.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar oval shape, narrow facial outline, rounded jawline. Forehead appear dissimilar.
JL2M67	Inconclusive	
K3KWNM	Similar	Similar in oval shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have very similar oval shape. Eyebrow ridges seem stronger in known but may be to overhead lighting. Slightly more forehead curvature in known. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	head is longer in the unknown, width appears to be similar, shape is both ovalish but the unknown is a longer oval shape
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Both known and unknown are frontal images with a similar round facial contour. The forehead of the unknown image is more narrow and higher than the known image. Known's facial plane is broader than the known image and the contour of unknown's chin is narrower than the contour of known's chin. The unknown image has a more oval contour of the jaw. The forehead of the known image protrudes further than the unknown image. Known image has more of a squared contour and the unknown image has a narrower, more oval shaped contour of the head.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Shape of cranial vault appears wider and flatter on K, may be due to head pose; overall shape of face appears longer in U.
PRMQFV	Dissimilar	Unknowns head is longer and more oval shaped. Knowns head is more rounded.
PVM3BV	Similar	general outline of the face appears to be similar between subjects
PWHKDW	Dissimilar	unk has slightly longer face
PWYRHE	Dissimilar	Dolichocephalic
PX9LGZ	Dissimilar	Unknown has a more oval-shaped head.
PY46H2	Dissimilar	Unknown fuller- time?

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Image Set Q4: Table 4.4(b) - Face/Head Outline

WebCode	Observation	Feature Notes
Q49MUY	Similar	
QTWDAF	Dissimilar	The face/head outline appears to have a similar oval shape on both subjects however the knowns face appears to be wider.
QYFHZU	Similar	The overall shape and size are consistent.
R273NE	Dissimilar	Though both head shapes are ovalular in shape, the unknown's head is more elongated.
TBLBPC	Similar	
U6E77R	Similar	both have oval face shapes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown - longer more oval head shape; Known - Shorter head length
XQMJNP	Dissimilar	Both subjects have a short oval face. Known chin appears to be pointier than that of unknown; however, facial expressions are different between 2 subjects - known has a large smile and unknown has lips pursed together.
XTNLEQ	Similar	Shape of cranial vault Overall shape of face
XYERF8	[Not Reported]	Dissimilarities include: (may be due to differences in expression in Q & R) Overall shape of the face Not comparable: (due to obstructions in one or both images) Shape of the cranial vault
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Face/Head Outline	Total Participants: 59
Response	Percent Reported
Similar	22 (37.3%)
Dissimilar	33 (55.9%)
Inconclusive	4 (6.8%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q4: Table 4.4(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial symmetry and proportion of facial features to one another
34T74N	Similar	
3LFL7K	Similar	The overall shape of the face is consistent with the distances between the eyes, ears, nose, mouth, chin and hairline being very similar.
3M7MAM	Dissimilar	Differences in facial feature ratios.
4T9DRJ	Similar	similar composition
6JZ4ZJ	Inconclusive	Overall composition looks inc
7B6GQY	Similar	
7PHQBF	[Not Reported]	The features of the face appear to be located lower on the face. Looks to be similar between the probe and candidate. Due to the length of the forhead it appears that the features are positioned lower on the face.
89T2WX	Dissimilar	The distance between the eyebrows and eyes is not similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in location of the eyes in relation to the nose. The length of the bridge of the nose on the unknown is longer and also has a curve and scar on the left side.
9GLTHW	Dissimilar	configuration and alignment of the visible facial features are dissimilar with respect to each other and their location on the face, as known's is positioned in the middle and lower proportions, whereas unknown's are more centrally located; size of the features appear to be relatively similar
9KFMFY	[Not Reported]	approx. distance from lower lip to chin appears larger for Unknown(2) than Known(1)
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	The spatial relationship between the facial features appear to be similar.
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to eyes, eyes to eyebrows, upper lip to nose and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Face/Head Composition – Facial features are concentrated to the lower 3/4th of both Known's ad unknown's face
EGYH2B	Similar	
ELRHHR	Dissimilar	different in scale, distance and pose
FBEYWM	Dissimilar	

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Image Set Q4: Table 4.4(c) - Face/Head Composition

WebCode	Observation	Feature Notes
FZRJT8	Similar	The face/head composition appears similar between the two. Their eyes, nose, and mouth all appear to be of similar size, shape, and distance.
H2WQ96	Dissimilar	Distance between chin and lower lip seems greater on unknown that known.
HFB7XM	Dissimilar	
HRQ6L4	Similar	visible features appear similar in positioning relative to other features; expressions in both images limit comparison.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Intercanthal and interpupillary distances appear similar. Nose, mouth and chin appear dissimilar.
JL2M67	Inconclusive	
K3KWNM	Similar	Features are placed on the face in a similar fashion. Intercanthal distance is larger in the Unknown. Nose is in a similar location between the eye and the mouth. The mouth is in a similar location between the nose and chin. Distance between hairline and eyebrows are greater in the Known.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Features centered and very symmetrical on both known and unk. Right occipital of unk may be set slightly above the midline of the pupils but with closed eyes, it may be an illusion due to lighting. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance from eyes to mouth appears to be similar, distance from nose to mouth appears shorter in the known, distance from mouth to chin is longer in the unknown
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Unknown's facial features appear larger than known's facial features. The facial features are placed similarly on the facial plane.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes, nose, mouth appear similar in relationship to one another.
PRMQFV	Dissimilar	Nose to mouth distance appears to be closer on the known, possibly due to the difference in expressions. The spacing between the eyes appear to be similar.
PVM3BV	Similar	general composition of the facial features appears to be similar between subjects - expression differs between subjects
PWHKDW	Dissimilar	slightly different composition
PWYRHE	Dissimilar	Different on forehead and face
PX9LGZ	Similar	Relative distances between facial features are similar.
PY46H2	Dissimilar	Unknown fuller- time?
Q49MUY	Similar	

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Image Set Q4: Table 4.4(c) - Face/Head Composition

WebCode	Observation	Feature Notes
QTWDAF	Dissimilar	The features of the face appear to tighter and more symmetric on the known. The unknowns' eyes appear to be asymmetric with the right eye being lower.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Dissimilar	The known's features appear to be closer together on face than the unknown's features on her face.
TBLBPC	Inconclusive	head position/distance from camera
U6E77R	Similar	similar distance/placement of eyes, width, nose and mout compared to eyebrows and chin
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Approximate width of nose relative to eyes - somewhat similar; Approximate width of mouth relative to eyes - somewhat similar (different degrees of smiling is impacting comparison); Approximate Distance from nose to upper lip relative to face length - somewhat similar; Approximate Distance from chin to lower lip relative to face length - Unknown's appears longer; Ear position relative to eyes, nose, and mouth - Unknown's ears not visible for comparison; Eye position relative to face length - somewhat similar; Unknown's eyes are closer to the outline of the face than the Known's.
XQMJNP	Similar	Features on face are spaced equally between two subjects.
XTNLEQ	Similar	Approximate width of nose relative to eye distances -Eye position relative to face length
XYERF8	[Not Reported]	Similarities include: Approximate distance from nose to upper lip relative to face length Dissimilarities include: (some may be due to differences in pose and expression in Q & R) Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from chin to lower lip relative to face length, Eye position relative to face length Not comparable: (due to obstructions in one or both images) Ear position relative to eyes, nose, and mouth
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Face/Head Composition

Total Participants: 58

Response	Percent Reported
Similar	27 (46.6%)
Dissimilar	27 (46.6%)
Inconclusive	4 (6.9%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q4: Table 4.4(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar hair texture and hair color with both having light brown hair; unknown has a hair part in the middle of the forehead where known has no hair part, but also has their hair pulled back; unable to compare temporal peak hairline shape due to hair covering in both images
34T74N	Dissimilar	
3LFL7K	Similar	The hair on both is consistent in color, texture and style.
3M7MAM	Dissimilar	Different hairstyles.
4T9DRJ	Inconclusive	Hair part is different, hair line is slightly higher on known, known has longer hair but color and texture could be similar.
6JZ4ZJ	Similar	texture, symmetry, density
7B6GQY	Similar	
7PHQBF	Dissimilar	The hairline between the probe and candidate appears to have some dissimilarities. The hair color of the probe appears to be darker than the hair color of the candidate.
89T2WX	Dissimilar	The color and density are different.
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Similar in color but the texture of the known image appears thinner/finer. The known images placement and where the hair begins is further back on the scalp. The knowns is pulled back away from the face while the unknown's is down. The unknown's hair appears thicker and fuller than that of the known image.
9GLTHW	Similar	medium brown color is similar; hairline and length can't be compared due to differences in styling, as known's is pulled back and unknown's is down; straight type and apparent texture appear to be similar, however unknown's appears to be thicker
9KFMFY	[Not Reported]	hair is pulled up and back for Known(1) while it is down and loose for Unknown(2); parting of forehead hairline of Unknown(2) is toward center of forehead, with hair pulled back for Known(1) it may obscure parting for hairline
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known- high hairline, pulled back hairstyle, thin unknown long shoulder length full/thick
B2Z6FC	Similar	Forehead hairline and hair growth pattern are similar. Hair color appears to be similar.
BZH38T	Dissimilar	The hair color is dissimilar.
CKPXLT	Inconclusive	Similar hair tone and texture. Dissimilar hair style and mid hairline shape.
CUYZ8T	Similar	
D2QZYQ	Similar	similar coloring, different styles/cuts
DA6QFC	Not Applicable	

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Image Set Q4: Table 4.4(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Hair – Hairstyles in subject's differ so comparison of hair is limited but hair color is consistent in roots. Unknown has a middle part that slightly left of midline, in line with subject's nasal scar. Unknow also has some highlight regions in body of hair.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different hair color, texture and growth pattern
FBEYWM	Similar	
FZRJT8	Similar	The hair color and texture appears to be similar. The known has her hair pulled behind her head and the unknown's hair is straight
H2WQ96	Dissimilar	Unknown's hair seems darker in color and straighter in texture. The known is wearing hair back but the roots appear lighter in color and there seems to be some wave to the texture of known's hair. Also, known's hairline appears higher that the unknown's.
HFB7XM	Dissimilar	
HRQ6L4	Similar	similar color; dissimilar style (up vs down); texture similar; density slightly dissimilar.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Somewhat similar in color and texture.
JL2M67	Inconclusive	
K3KWNM	Similar	Hair is similar in color/texture. Unknown has highlights. Unable to compare length due to pinning of hair behind the head in the Known. Hairline is similar in shape/location
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Similar coloring and texture. Similar growth patterns. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	hair is pulled back in the known and down in the unknown, color appears slightly darker in the unknown, hairline is hard to say due to the hair being down in the unknown
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Dissimilar	Both known and unknown have medium-dark hair. Known's hair is pulled back away from the face but appears to be similar in length to unknown's hair. Unknown's hair is long, thin and straight. Unknown has a part in the middle of the head. Known appears to have tinner to thinning hair at the hairline that is inconsistent with the unknown's hairline. The hairline is inconsistent in contour and growth pattern.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Hair appears somewhat similar in texture; appears dissimilar in color, may be due to intentional alterations; hairline appears rounded in both, but may be more of a widow's peak in K.

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Image Set Q4: Table 4.4(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Similar	Knowns hair is pulled back. Tone of the hair appears to be darker on the unknown. Curvature of the hairline is similar. Texture of the hair is similar, straight on known and unknown.
PVM3BV	Dissimilar	hair appears to be similar in texture and color, hairline appears to differ slightly though this can be due to the difference in hair style
PWHKDW	Dissimilar	hair a little lighter in known. both appear to have straighter hair
PWYRHE	Dissimilar	same color
PX9LGZ	Unable To Compare	Tone and texture seem similar, but too little is visible for comparison.
PY46H2	Similar	
Q49MUY	Unable To Compare	
QTWDAF	Dissimilar	The hairline appears to be rounded and unremarkable. The hair color and texture appear to be the same (the unknown's may be lighter but this could be due to lighting/flash)
QYFHZU	Similar	
R273NE	Dissimilar	The known has hair back with a strand flowing to left, and the unknown has her hair down to side of face and parted in the middle. The frontal hairlines appear to have different curvature and growth patterns between known and unknown.
TBLBPC	Inconclusive	
U6E77R	Similar	similar color, thinness, texture
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Different hairstyles. Color is approximately similar. Growth at hairline of Known appears less dense, but this appearance could be due to the differences in lighting. Unknown's hairline is smooth and rounded, Known's hairline appears to have a non-defined widow's peak.
XQMJNP	Inconclusive	Both subjects have light brown, straight hair. Known hair is pulled back in a pony tail with some hair visible on left side of face. Unknown hair is down, past her shoulders, and parted in the middle.
XTNLEQ	Dissimilar	image A hair taid color different than Image B and tonality.
XYERF8	[Not Reported]	Similarities include: Hair: texture, symmetry (frontal mid portion), tonality, Forehead hairline: shape (visible portions of mid-section) Dissimilarities include: (may be due to differences in styling in Q & R)Hair: shape/spatial distribution, density Not comparable: (due to obstructions in one or both images) Hairline right side: shape, Hairline left side: shape, Cranial baldness pattern: shape, distribution - not observed
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q4 Hair		Total Participants: 59
Response	Percent Reported	
Similar	22 (37.3%)	
Dissimilar	23 (39.0%)	
Inconclusive	10 (16.9%)	
Unable to Compare	2 (3.4%)	
Not Applicable	2 (3.4%)	

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Image Set Q4: Table 4.4(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to have a slightly taller forehead with more protrusion of the middle/upper portion of the forehead; the unknown has three frontal lines visible that are not visible in the known; the known appears to have a more prominent brow ridge
34T74N	Dissimilar	
3LFL7K	Similar	The height of the forehead on both known and unknown is similar. The lighting makes the prominence of the cranium appear different, but I don't feel that is so.
3M7MAM	Dissimilar	Differences in forehead projection.
4T9DRJ	Dissimilar	The cranial vault does seem similar but slightly bigger on known. No marks in common that I can pick out, no creases on known that can match the faint ones on unknown.
6JZ4ZJ	Similar	Upper forehead
7B6GQY	Similar	
7PHQBF	Dissimilar	The contour of the forehead appears to be dissimilar. The forehead of the candidate looks to protrude more compared to the probe.
89T2WX	Dissimilar	The shape of the edges is somewhat similar, but the curvature is different.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The known's forehead is wider and longer. The distance from top of the brow to the hair line is greater on the known. The hairline itself is lower on the forehead of the unknown. The frontal bones on the known image appear to protrude more than that of the unknown.
9GLTHW	Dissimilar	overall dome-like shape, size, and height are relatively similar; contour and musculature are dissimilar as known's is more rounded with prominent frontal eminences, musculature and brow ridges, whereas unknown has a flatter, uniform contour with a slight depression in the middle; frontal lines are faint on both, however those that are visible indicate that they are dissimilar, as known has one which spans across the length of the forehead, but unknown has a couple that are positioned parallel to each other, and are more prominent on the ends than in the center
9KFMFY	Dissimilar	visible frontal lines of Unknown(2) appear dissimilar from Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- wide, high rounded, prominent brow ridge at eyebrows unknown- high, wide , slightly rounded forehead
B2Z6FC	Dissimilar	Known has a rounder top portion of the forehead. It protrudes more than the unknown's forehead. Unknown's forehead appears to be taller.
BZH38T	Dissimilar	One of the individuals's forehead is protruding.
CKPXLT	Dissimilar	Dissimilar forehead shape and prominence.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	creases on unknown image that do not appear in known

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Image Set Q4: Table 4.4(e) - Forehead

WebCode	Observation	Feature Notes
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Forehead – Unknown has longer and wider forehead, 'five-head', with a slight protrusion near hairline in subjects midline to lateral area of mouth. Unknown has a faint crease in center of forehead at arch of right and left eyebrow and another an inch underneath it that runs parallel to it ab
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Similar	
FZRJT8	Inconclusive	The size and shape of the forehead appear similar. The unknown's forehead has frontal lines. The known's appears more rounded, and the unknown's appears flatter
H2WQ96	Dissimilar	Known's forehead appears higher than the unknown's and seems to be more sloped.
HFB7XM	Dissimilar	Protrusion forehead.
HRQ6L4	Dissimilar	dissimilar width and prominence; forehead in known image larger and more prominent.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Appears similar in height and shape.
JL2M67	Inconclusive	
K3KWNM	Inconclusive	Forehead is similar in width. Unknown's forehead is longer than Known's. Forehead is not similar in shape. Frontal bone is larger in the Known.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Similar	Frontal lines appear in unk that are not present in the known. Cranial vault very similar in both known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	height appears to be larger in the known – seems to go back further but could be because the hair is pulled back, width appears to be similar, frontal lines are visible in the unknown but not really in the known, marks on the unknown that are not in the known, brow ridge is higher in the unknown
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The forehead of the unknown image is more narrow and higher than the known image. Both known and unknown's foreheads are free from marks, creases and scars. The forehead of the known image protrudes further than the unknown image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Forehead appears dissimilar in relative height/width/slope, appears more protruded and rounded in K; frontal lines appear visible in U, not visible in K, may be due to lighting/aging.

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Image Set Q4: Table 4.4(e) - Forehead

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Knowns forehead has more protrusion. Shape of the forehead is similar. Length of the forehead is similar.
PVM3BV	Dissimilar	forehead appears to be similar in shape and size, frontal lines appear visible on unknown but do not appear to be on the known forehead
PWHKDW	Dissimilar	k's forehead is very round where unk's is a little flatter
PWYRHE	Dissimilar	oval forehead and the other pronounced
PX9LGZ	Dissimilar	The shape of the forehead is different - more round and protruding on the known image. Brow risges are different.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The forehead appears to be more indented on the known image. The known's forehead appears to be larger.
QYFHZU	Similar	The forehead shape is similar in height and width
R273NE	Dissimilar	Both have similar size and shape forehead, but known has a more pronounced contouring around brow ridges than unknow. Unknown has a couple faint frontal lines not seen on known.
TBLBPC	Similar	
U6E77R	Similar	similar large foreheads
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Unknown's forehead appears taller, and Known's forehead appears wider. Somewhat similar overall shape. The contour of the Unknown's forehead appears flatter/strength, while the Known's appears to have more rounded contours. Known's brow ridge appears more prominent (note - the lighting is hitting the face at different angles so it's possible the shadows/highlighting are contributing towards the dissimilarities)
XQMJNP	Dissimilar	Both subjects have high foreheads. Horizontal lines/ creases are noted on unknown forehead. Brow ridge on known protrudes slightly from the forehead line.
XTNLEQ	Similar	Forehead shape -height -width Brow ridges Prominence continuity
XYERF8	[Not Reported]	Similarities include: Forehead shape: relative height, Brow ridges: prominence, continuity Dissimilarities include: Forehead shape: slope/contour Not comparable: (due to obstructions in one or both images) Forehead shape: relative width
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q4 Forehead		Total Participants: 61
Response	Percent Reported	
Similar	17 (27.9%)	
Dissimilar	39 (63.9%)	
Inconclusive	5 (8.2%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q4: Table 4.4(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	overall shape is different with unknown's being more arched than the known's; the medial distance between eyebrows appears longer in the unknown; the density and growth of the eyebrows appears different between the individuals
34T74N	Dissimilar	
3LFL7K	Similar	The eyebrows appear similar in texture, color and style. Their location in relation to the eyes is consistent.
3M7MAM	Dissimilar	Different eyebrow shapes.
4T9DRJ	Dissimilar	The color could be similar, the shape is different, the flow of the hair in the brows is different more perpendicular in known and more horizontal on unknown. The left brow on unknown is more curved. The thickness of the hair is different. the right brow on known seems to be thinner on right side.
6JZ4ZJ	Dissimilar	Shape and thickness' are deferent
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Growth pattern and thickness of the eyebrows appears to be dissimilar between the probe and candidate. The eyebrows on the candidate appears to thin out towards the lateral canthus of the eyes.
89T2WX	Dissimilar	The shape is not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Similar in color but the unknowns are more full/thicker. The shape of the unknowns brows are more rounded than that of the known. The knowns brows are more linear in shape.
9GLTHW	Dissimilar	length is similar; shape, size, and thickness are dissimilar, as known's are thicker and square in shape at the medial ends but thin as the lateral ends are approached, and possess a minor curve, whereas unknown's are more rounded and uniform in thickness/ density distribution; approx. distance between the medial ends is dissimilar as there is a greater distance between the unknown's, however approx. distance above the eyes appears to be similar; known's brow ridge protrudes more whereas unknown's is relatively flush with the forehead
9KFMFY	Dissimilar	upper part of medial end of left eyebrow appears to have higher/more angular curve for Known(1) while Unknown(2) appears to have more rounded/lower curve to medial end; overall curve of left eyebrow from medial end of Unknown(2) appears to follow more rounded/consistent curve while Known(1) appears slightly flatter toward center of eyebrow's curve
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- bushy medially, thin laterally after midline of eye fissure,angled- unknown- manicured, full rounded
B2Z6FC	Dissimilar	Unknown's eyebrows are fuller and more curved. Known has eyebrows that thin towards the lateral sides
BZH38T	Dissimilar	The shape of the eyebrows is dissimilar.
CKPXLT	Dissimilar	Dissimilar eyebrows shape, size and distribution, growth angle and endpoint asymmetry.

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Image Set Q4: Table 4.4(f) - Eyebrows

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Dissimilar	thicker in unknown image, shape and contour dissimilar
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Eyebrows – Eyebrow arch angle is dissimilar in subjects with Unknown's arch sharper than Known's. Known has sparce hair growth in medial region to lateral region that appear to have a downward growth pattern. Unknown eyebrows appears to be darker in color which maybe due to consistent in concentration throughout eyebrow.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The distance between the eyebrows appears further apart on the unknown. The shape of the known's eyebrows are wide and get thin as they go outward from the body, and the unknown's are thinner and uniform throughout.
H2WQ96	Dissimilar	Eyebrow shape, fullness, and arch appears different. Known's medial eyebrows appear darker that lateral eyebrows.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	similar color, texture, and length; dissimilar height, contour, and tilt.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in shape and texture.
JL2M67	Inconclusive	
K3KWNM	Inconclusive	Eyebrows are similar in size/thickness/location/dark color. They are not similar in shape.
KEBXX2	Dissimilar	Length seems similar but grooming/shape different
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Eyebrows similar in color, dissimilar in shapes between known and unk. Grooming in Unk, thicker in unk. Eye creases (crows feet) more numerous in unk than in known. Creases by nose in right eye not visible in unk.(Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color appears to be darker in the unknown, distance apart appears similar, shape is dissimilar, unknown appears to be thicker in parts but could be grooming, distance to eyes appears to be larger in the unknown but could be where the eyes are closed
LQZ4DH	Dissimilar	Right and left eyebrow
P6CLXG	Dissimilar	

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Image Set Q4: Table 4.4(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	Known's brow ridge appears more prominent than unknown's brow ridge. Known's eyebrows extend further beyond the brow line than unknown. Known's brows appear consistent in color and texture to unknown's brows. Unknown's brows have a higher arch than known and are inconsistent in shape an contour from end to end. The distance between the brows is greater in the unknown image than the known image. There appears to be a faint scar-like mark that begins at the medial side of the left eyebrow and extends vertically downward along the left edge of the nasal body and is not present on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyebrows appear dissimilar in angle/shape/width apart/color; density appears fuller in U, may be due to intentional alterations.
PRMQFV	Dissimilar	Growth pattern of the eyebrows are dissimilar, thins out toward the right tail on the known, continuous growth on the unknown. Unknowns eyebrows are a little thicker. Distance from the eyes is similar.
PVM3BV	Dissimilar	brows differ in shape and size, This could be a result of grooming, brow ridge of known appears to be more broad than that of the unknown
PWHKDW	Dissimilar	shape of eyebrows are different. unk's are more rounded, k has thicker/fuller near nose and thin out toward edge of face
PWYRHE	Dissimilar	Semi-bushy and sparse.
PX9LGZ	Dissimilar	Texture and shape are different.
PY46H2	Dissimilar	Unknown- fuller later portion (grooming?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The eyebrows of the unknown appear to be full and rounded. The knowns brows are fuller only on the medial portion however this could be due to grooming. The lateral portion of the brows appear to be farther away from the lateral canthi.
QYFHZU	Dissimilar	The eyebrows are in color and size. The eyebrows appear more rounded in the unknown.
R273NE	Dissimilar	Known's brows are more straight and unknown's brows are more rounded. Growth patterns toward lateral ends of brows. Starting positions at medial ends are different between known and unknown.
TBLBPC	Dissimilar	
U6E77R	Similar	similar thickness, color. Horizontal end position of lateral eyebrow relative to the lateral canthus is similar in both subjects. Same with the position of them in relation to the medial canthus.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar overall eyebrow appearance. Unknown's eyebrows appear groomed, Known's appear more natural. Unknown's have a subtle rounded shape, Known's are more flat.
XQMJNP	Dissimilar	Known eyebrows are straight with a slight curve
XTNLEQ	Dissimilar	Right eyebrow Shape Left eyebrows shape

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Image Set Q4: Table 4.4(f) - Eyebrows

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Density of hair Dissimilarities include: (some may be due to differences in styling in Q & R) Shape, Size, Position, Hair details, Asymmetry (L upper arch of eyebrow sits higher than R in Q1, not observed in R1) Not comparable: Conjoined (not observed)
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Eyebrows — Total Participants: 61

Response	Percent Reported
Similar	3 (4.9%)
Dissimilar	54 (88.5%)
Inconclusive	3 (4.9%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q4: Table 4.4(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to fully compare all sub-features due to unknown having eyes closed; similar prominence of superior palpebral crease, but unable to definitively compare shape due to unknown eyes closed; the unknown has a more prominent crow's feet crease extending from the right eye; the known has a more prominent crow's feet crease extending from the left eye; the unknown appears to have slightly more prominent inferior palpebral creases and the known's appear to extend upwards and touching the lateral canthi
34T74N	Similar	
3LFL7K	Similar	The eyes have a different appearance due to being open on known and closed on unknown. However, the folds and creases under the eyes and the spacing on either side of the nose are consistent.
3M7MAM	Inconclusive	The known person with open eyes and the unknown person with closed eyes.
4T9DRJ	Dissimilar	Eyes are closed on unknown, eye socket width and height seems different. Inferior palpebral creases under eyes go off to side on unknown but curve up on known, creases on left side of eye are not on known, creases on outside edge of eyes not consistent, distance between medial canthus seems wider on unknown. The medial canthus of unknown seems like there is a bump or mark on it which is not on known.
6JZ4ZJ	Not Applicable	eyes is closed
7B6GQY	Inconclusive	
7PHQBF	Unable To Compare	Eyes of the probe are closed.
89T2WX	Dissimilar	The wrinkles at the outer corners of the eyes are not similar, and the state of being open or closed is different.
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Dissimilar	Difficult to determine as the unknown's eyes are shut. The distance from lid crease to brow appears wider in the unknown image and the under eye crease of the unknown's right eye is not as extended outwards to the side of the face like that of the known image. The crow's feet area does not appear consistent with the unknown appearing to have more creases than the known.
9GLTHW	Dissimilar	approx. intercanthal distance is dissimilar, as unknown's is greater; degree of hoodedness can't be compared due to known's eyes being open and unknown's closed; known's eyes are relatively level, whereas unknown's are uneven with the right positioned lower on the face than the left; known's superior palpebral creases are more angular, whereas unknown's are rounded; inferior palpebral creases are similar in degree of curvature, however known's begin in the lateral corners and extend inward, whereas unknown's are vice versa; periorbital creases are dissimilar in quantity, location, and prominence
9KFMFY	[Not Reported]	difficult to compare much of eyes due to expression difference, eyes are open with slightly squinting expression for Known(1) while they are closed for Unknown(2); curve of left/right inferior palpebral creases are more prominent for Unknown(2); curve of right inferior palpebral crease of Unknown(2) appears lower under the eyes compared to curve of Known(1)
9U4MPG	Unable To Compare	

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Image Set Q4: Table 4.4(g) - Eyes

WebCode	Observation	Feature Notes
AKVB9D	Inconclusive	known- narrow, deep set. unknown wide set, bulgin periorbital area (closed eyes limits comparison)
B2Z6FC	Dissimilar	Unknown has a greater distance between the eyebrow and the eyelid. Unknown has closed eyes so they are hard to compare. Unknown has a lateral palpebral crease
BZH38T	Unable To Compare	One of the individuals's eyes down and therefore a comparison cannot be made.
CKPXLT	Dissimilar	Dissimilar eye and fissure shape, size and angle.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	can't compare eye opening/color due to unknown closed. creases do not appear similar around eye area
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Eyes – Known's lateral and inferior canthus appear to be in line with each other while the Unknown's inferior canthus sits slightly higher than her lateral canthus does. Known has larger inferior palpebral creases than unknow with only one crease below subjects eyelid while Unknow has several. Uknown appears to have longer eyelashes than known but this maybe attributed to difference is subject's facial expression, lighting, and quality of Knowns image. Unknown eyes are closed which prevents proper analysis needed for comparison.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible
FBEYWM	Dissimilar	unknown person's eye's closed
FZRJT8	Similar	The unknown's eyes are closed and the known's are open. The eye shape, size, and distance apart appear to be similar.
H2WQ96	Unable To Compare	Unknown's eyes are closed, but creases around eyes appear similar.
HFB7XM	Unable To Compare	
HRQ6L4	Dissimilar	eyes in unknown image are closed; dissimilar medial canthus angle and prominence.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Upper eyelids and superior palpebral creases appear dissimilar.
JL2M67	Unable To Compare	
K3KWNM	Inconclusive	Eyes are similar in placement. Intercanthal distance is similar. Eyes are close in the Unknown. Superior palpebral crease is similar in location/shape. Inferior palpebral crease is not similar in shape/length. Periorbital creases are not similar in size/length/shape/quantity. Eyelashes are similar in color/length.
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	Closed in one image
L7ZVC2	Inconclusive	Eye closure in unk prevents comparison of interpupillary distances and eye color comparison. Superior palpebral creases in both known and unk (n/a)

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Image Set Q4: Table 4.4(g) - Eyes

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	eyes are closed in the unknown and open in the known, eyelids appear larger in the unknown but could be where more is shown, superior palpebral creases are visible in both but not the same shape, inferior palpebral creases are dissimilar in location/size/shape, crows feet are dissimilar, medial canthus size/shape is dissimilar
LQZ4DH	Dissimilar	Palpebral crease (distance to the eyebrow)
P6CLXG	Unable To Compare	
PD3BCW	Dissimilar	The eyebrows of the known individual are thinner, lighter and have a moderate arch. The arches of unknowns eyebrow's peak slightly past the mid third of the eyes. Unknown's eyebrows are more dense and have a sharper, higher arch than known individual. There are inconsistencies in grooming, arch height and brow thickness between known and unknown images. The intercanthal distance is similar between known and unknown images. Known individual's eyes are open with a visible horizontal palpebral fissure. The eyes of the unknown individual are closed, the contour of the eyes appear flatter. There are inconsistencies of the periorbital creases and under eye lines between known and unknown images. Subtle differences in the eye details suggest a slight age difference. The prominence of the brow ridge and glabellar region seem to be more recessed on unknown image. The known image appears to have more almond shaped eyes with a slight upward turn of the outer canthus. The shape of unknown's eyes isn't fully visible due to the closed eyelids but overall they appear to be more rounded than known image.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Periorbital eyelids appear larger in U, may be due to expression; upper eyelids appear larger in U, may be due to expression; medial canthi appear more pointed and extended in K; inferior palpebral creases appear similar in shape, a bit deeper in U, may be due to expression or aging; eyes appear more angled down towards lateral canthi in U.
PRMQFV	Inconclusive	Unknowns eyes are closed. Lashes appear to be long on both subjects.
PVM3BV	Dissimilar	the eyes appear to differ in size and prominence from the orbital socket, palpebral creases above and below the eyes appear to differ in shape, number and prominence, unknown appears to have crows feet creases on the lateral sides of the eyes
PWHKDW	Unable To Compare	eyes are closed in unk, however creases under eyes are different
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Unable To Compare	Eyelids are different, but unable to compare more, since the eyes are closed on the unknown image and open on the known image.
PY46H2	Inconclusive	facial expression difference
Q49MUY	Unable To Compare	
QTWDAF	Dissimilar	The right eye appears to be lower on the unknown. The medial canthi appear to be higher on the unknown and the lateral canthi appear to be lower.
QYFHZU	Dissimilar	The subject's eyes are closed in the unknown. The intercanthul distance appears to be wider in the known.

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Image Set Q4: Table 4.4(g) - Eyes

WebCode	Observation	Feature Notes
R273NE	Dissimilar	Position of eyes on face is different with the right eye of unknown sitting lower than knowns right eye. Unknown has eye closed so unable to tell interpupillary distance. Medial canthus lengths and angles appear different. Under eye line positions and depth and curvatures are different.
TBLBPC	Dissimilar	unknown protruding eyes
U6E77R	Similar	intercanthal distance is similar in both. Lower eyelids similar shape and prominence.
U778AU	Dissimilar	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Unknown's eyes are closed and Known's are open. Unknown's and Known's eyes are both spaced further than one eye-width apart, but Known's are slightly closer together related to the rest of the face. Unable to accurately compare eye shape and superior palpebral creases, but they do appear somewhat similar. Inferior palpebral creases are dissimilar in shape and pattern of creasing.
XQMJNP	Dissimilar	Known eyes are open. Unknown eyes are closed. Lines under the eyes appear different between the two subjects. Lines under Known eyes appear to connect to outer edges of eyes. Lines under Unknown eyes do not go all the way to the outer edges of the eyes.
XTNLEQ	Inconclusive	Image A open eyes and Image B closed make it difficult to compare
XYERF8	[Not Reported]	Similarities include: Intercanthal distance, Eye fissure opening: angle (L), Lower eyelid: prominence, protrusion Dissimilarities include: (some may be due to differences in expression, lighting) Eye fissure opening: angle (R), Upper eyelid: prominence, protrusion, visibility of superior palpebral crease (shape, position), Lower eyelid: visibility of inferior palpebral crease (shape, position), visibility of the infraorbital furrow (L), Medial canthus: shape, angle, Asymmetry (R medial canthus angled more upwardly in Q1) Not comparable: Interpupillary distance, Eye fissure opening: shape, Upper eyelid: position in relation to iris/pupil, lash characteristics, Lower eyelid: visibility of the infraorbital furrow (R), position in relation to iris/pupil, lash characteristics, Eyeball prominence, Sclera: visibility, Iris: visibility, diameter relative to eye opening, position relative to eye opening, irregularity of iris, Medial canthus: caruncle, Lateral canthus: shape, angle
XYJ9D7	Inconclusive	
YGARYR	Inconclusive	
YKTY67	Dissimilar	Position

Features Observations Response Summary - Q4 Eyes

Total Participants: 60

Response	Percent Reported
Similar	6 (10.0%)
Dissimilar	21 (35.0%)
Inconclusive	12 (20.0%)
Unable to Compare	20 (33.3%)
Not Applicable	1 (1.7%)

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Image Set Q4: Table 4.4(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar fullness of cheeks
34T74N	Similar	
3LFL7K	Similar	The cheeks are similar in fullness and prominence. There are no noticeable differences, aside from specific freckles.
3M7MAM	Dissimilar	Different degrees of cheeks prominence.
4T9DRJ	Dissimilar	They seem different distance from bottom of eye crease to top of nasal crease. much greater on unknown compared to known.
6JZ4ZJ	Similar	cheekbone prominence
7B6GQY	Similar	
7PHQBF	Dissimilar	The fullness of the cheeks appears to be similar between the probe and candidate. The candidate is smiling compared to the probe that has a neutral facial expression.
89T2WX	Dissimilar	The shape is not similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Cheeks of the known image are fuller and wider than that of the unknown image. Also the unknown image has several facial markings on the lower left cheek area and also through out the right cheek, that are not on the known image.
9GLTHW	Dissimilar	shape, size, and fullness seem to be similar; high placement, short length, and prominence of the cheekbones are similar; known has a linear shaped dimple in the right cheek and a raised skin toned colored facial mark beneath the lateral corner of the right eye that are not present on the unknown; unknown has several darker pigmented facial marks of various sizes scattered throughout the cheek area and jawline, that are not visible/present on the known
9KFMFY	[Not Reported]	visible facial marks present on cheeks dissimilar
9U4MPG	Similar	
AKVB9D	Dissimilar	difference in expression. known- small rounded high cheeks. unknown, larger, flat, low rounded cheeks
B2Z6FC	Dissimilar	Known has a more rounded cheek prominence. Unknown has multiple freckles while the known doesn't.
BZH38T	Dissimilar	The position of the cheekbone is dissimilar.
CKPXLT	Similar	Similar cheek bone minimal prominence and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	multiple marks visible in both images which do appear similar in location, color, shape, and relationship
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Cheeks – .Unknown has several freckle, mole, and/or mark on cheeks, the apple of right cheek is has the largest concentration

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Image Set Q4: Table 4.4(h) - Cheeks

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different in shape and fat distribution
FBEYWM	Dissimilar	
FZRJT8	Similar	The cheeks of both are of similar size and shape.
H2WQ96	Dissimilar	Known's cheeks appear fuller, but this could be due to facial expression.
HFB7XM	Inconclusive	
HRQ6L4	Dissimilar	slightly wider and fuller in known image, possibly due to difference in smiling expression.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Somewhat similar in texture and fullness.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Not similar in size/shape/location. Facial marking on the right cheek is similar in location but not similar in size/shape.
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Similar in width and tone, color. Cheekbones very similar between both (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks appear fuller in the known, marks on both cheeks are dissimilar in size/location/shape, cheeks appear to be pinker in the known but could be lighting, cheeks are longer in the unknown
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Although known has a wide, open mouthed smile, unknown's cheeks appear higher than known's cheeks. Unknown also has faint freckle-like marks scattered around the outer and lower portion of the cheeks that is not visible on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Cheekbones appear a bit higher and more protruded in K, soft tissue appears fuller in K, may be due to weight/expression.
PRMQFV	Similar	Fullness of the cheeks are similar.
PVM3BV	Dissimilar	cheeks appear to be similar in fullness and shape, buccal creases appear to differ slightly in location and length, facial marks seen on unknown are not visible on known
PWHKDW	Inconclusive	cheeks are fuller in known and appear wider/fuller than in unknown
PWYRHE	Dissimilar	One is more prominent, the other less so Expression lines and nasolabial folds.
PX9LGZ	Dissimilar	Cheeks are slightly chubbier on the known image.

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Image Set Q4: Table 4.4(h) - Cheeks

WebCode	Observation	Feature Notes
PY46H2	Dissimilar	limited- known higher cheekbones (expression?)
Q49MUY	Similar	
QTWDAF	Dissimilar	The cheekbones appear to be more pronounced on the known. The cheeks appear to be fuller on the known however this could be due to changes in weight and expression.
QYFHZU	Dissimilar	
R273NE	Dissimilar	Protrusions of cheeks appear different with unknown's protruding more despite not smiling. Contouring down through cheeks are also different with deeper dimples coming out horizontally on both sides of unknown, and only on left side of known. Known has a vertical dimple on right cheek not visible on unknown.
TBLBPC	Similar	
U6E77R	Similar	both subjects have round shape and similar prominence
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Different degrees of smiling impacting appearance of cheeks. Unknown's appear longer, Known's appear wider. Possible dimple on right cheek of Known. Unknown has cheek fullness closer to the nose, Known has cheek fullness laterally.
XQMJNP	Similar	Both subjects have full cheeks.
XTNLEQ	Similar	Prominence of both cheeks
XYERF8	[Not Reported]	Similarities include: Cheekbone prominence Dissimilarities include: Cheek shape Not comparable: Dimples (not observed)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Cheeks

Total Participants: 59

Response	Percent Reported
Similar	20 (33.9%)
Dissimilar	31 (52.5%)
Inconclusive	7 (11.9%)
Unable to Compare	0 (0.0%)
Not Applicable	1 (1.7%)

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Image Set Q4: Table 4.4(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar overall size; similar nasal root shape and size; similar nasal body/bridge width, but the unknown's appears to have some irregular/asymmetrical shape with a slightly lean or bulge extending towards the left side of the face; similar nasal tip width and shape; the known appears to have a slightly more downward, pronounced squared off nasal tip protrusion where the unknown's appears more subtle and round; similar round shaped nasal alae, but the attachment shape appears different; the unknown has a distinct scar extending upwards on the left side of the nose that is not present in the known; the nasolabial folds appear different in shape, location and symmetry
34T74N	Dissimilar	
3LFL7K	Similar	The nose of both known and unknown are similar in shape, especially in regard to the nostrils, nasal base, width and length. The nose appears to narrow on both from the tip to the bridge. There does appear to be a scar on the bridge of the nose on unknown subject which is not visible on known.
3M7MAM	Dissimilar	Different nose shapes.
4T9DRJ	Inconclusive	scar on left side of unknown, mark on right side of unknown not on known.
6JZ4ZJ	Dissimilar	Over all the nasal structure is the same but the angle of the image at the right made it difficult to compare regarding the light and angle of the image
7B6GQY	Similar	
7PHQBF	Dissimilar	The width of the nasal body appears to be dissimilar between the probe and candidate. The length of the nasal body appears to be dissimilar between the two images as well. The nasal base of the probe and candidate appears to be different as well. The width of the columella between the probe and candidate appear to be dissimilar. The columella of the candidate appears to be wider than the probe.
89T2WX	Dissimilar	The degree of protrusion of the nasal base and the thickness of the alae are different.
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known images bridge of the nose is shorter and wider. The nostril shape is more round on the known image and slightly triangular on the unknown image. The unknown image appears to have a curve in the bridge of the nose and also a scar that is not present on the known image.
9GLTHW	Dissimilar	overall size and degree of protrusion are similar, however shape is dissimilar; nasal root width and depth are similar; shape of the nasal body is dissimilar, as known's is relatively straight and gradually widens as the base is approached, whereas unknown's is relatively the same width throughout, but possesses a crooked nature; nasal base is approx. the same width, however unknown's alas appear to be thinner and more defined; columella shape is dissimilar, as known's is a rounded "v" shape and unknown's comes to a point; unknown also has a very prominent scar along the nasal body that is not present on the known; nasolabial folds are somewhat similar in curved shape and prominence, however known's are longer and extend beyond the mouth, whereas unknown's end around the corners of the mouth

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Image Set Q4: Table 4.4(i) - Nose

WebCode	Observation	Feature Notes
9KFMFY	Dissimilar	columella of Known(1) appears to protrude more downward and appears thicker compared to Unknown(2); left/right alae of Known(1) appear slightly thicker than Unknown(2); nasal body of Known(1) appears slightly wider
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known narrow nasal body becoming larger, boxy and wide at nasal tip. unknown, medium nasal body becoming boxy with slight right curve towards nasal tip. scar along nasal root/body
B2Z6FC	Dissimilar	Unknown has a scar on the nasal body. Unknown has a slight right bend to the nasal body and nasal tip. Known has a thicker nasal body and a thicker columella.
BZH38T	Similar	The nose shape is similar.
CKPXLT	Dissimilar	Dissimilar nose body slant, tip, alae and nostrils shape, size and angle and, columella prominence.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	shape of nose bridge and nostrils appear dissimilar, scar present in unknown which does not appear in known
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	Nose – Analysis was done taken into consideration that Unknown's illumination area on subject's nasal body and shadowing in Unknown's image. Overall similar length and width of nasal body in subjects in scale of surrounding features. Known nasal high is consistent in height from nasal root int nasal tip while Unknown has a dip in the first third of nasal body. Unknown has a raised facial mark and/or scar in this same region that is shaped like an open parenthesis open towards the left side of subjects face, that starts in nasal root near left medial eyebrow and end on the left side of nose. Slight slant in Unknowns nasal body, almost shaped like a comma, may or may not be due to same injury based on location of slant Unknown has teardrop shaped nostrils. Known has a protruding columella. . Unknown has a freckle, mole, and/or mark in right naslobial crease
EGYH2B	Similar	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, geometric shape
FBEYWM	Similar	
FZRJT8	Inconclusive	The noses are similar size and shape. The unknown's nasal body has was appears to be a vein running vertically from the nasal root toward the unknown's left side of her nasal body. The columella of the known appears to protrude past her ala, and the columella of the unknown is more in line with her ala
H2WQ96	Dissimilar	Nasal body, nasal base, alae, and columella of known's nose appear wider and there appears to be a scar on unknown's nose that doesn't appear to be on known's nose.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar prominence of nasal root; similar width of nasal body, slightly longer length of nasal body in known image; dissimilar prominence of columella (downward); slightly different shape of nasal alae; nasal tip larger in known image.

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Image Set Q4: Table 4.4(i) - Nose

WebCode	Observation	Feature Notes
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar in shape of tip and columella.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Nasal root is not similar in width/length/shape/location. Nasal body is not similar in shape/size/length. Nasal bump/hook is not similar in shape/size/location. Ala are not similar in size/shape/location/thickness. Nasal tip is not similar in size/shape/curvature. Columella is not similar in size/shape. Nostrils is not similar in size/shape. Nasolabial folds not similar in size/shape/location.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Similar	Nasal root very similar in width. Ala appear wider in known but may be due to expression. Shapes above ala are similar. Nostrils appear more upturned in unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	scar on the left side of bridge in the unknown, length appears to be similar, nasal base appears wider in the known, nostrils size/shape is hard to say due to head tilt difference, columnella appears thicker in the known, nasolabial folds go further downward in the known, ala thickness is larger in the known, nasal root is narrower in the known
LQZ4DH	Dissimilar	Nasal body
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Both individuals display a relatively smooth and straight nasal bridge without noticeable humps or deviations. The columella is visible in both, with a similar projection relative to the alar rims. Both noses show similar skin texture and pore visibility along the bridge. The nasal base of the known individual appears broader and the ala extend further than the unknown's nasal base. The nasal base of the unknown individual is narrower and straighter than known image. The tip of known's nose is more bulbous, round and has thicker soft tissue than known's tip. The tip of unknown's nose is more angular and defined. The unknown image has a curved, vertical, unnatural line on the left side of the bridge of the nose that extends from the root to just above the left nostril, possibly due to scaring from a cut or tear on the skin, that is not visible on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Scar appears visible on left side of nasal root, not visible in K, may be due to time change, nasal root appears dissimilar in shape and protrusion; nasal body appears wider in K, but similar in shape; alae appear longer in U; columella appears wider in K, nasal tip appears wider in K, may be due to expression; distance from nasal base to upper lip appears shorter in K.
PRMQFV	Dissimilar	Length of the nasal body is longer on the unknown. Knowns nasal body appears to be wider. Unknowns nasal body appears to be more curved. Tip of the nose is similar in size. Columella is wider on the known.
PVM3BV	[Not Reported]	nasal body of known appears to be thicker, same for the columella - nasolabial folds/ buccal creases appear to differ in shape, scar like mark on nasal body of unknown is not seen on known

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Image Set Q4: Table 4.4(i) - Nose

WebCode	Observation	Feature Notes
PWHKDW	Dissimilar	known's nose is a little wider. scar on unk's nose not seen in knwon
PWYRHE	Dissimilar	linear scar on the nasal pain which the other image does not have
PX9LGZ	Dissimilar	The nasal bridge seems wider on the unknown image and the columella seems more protruding on the known image.
PY46H2	Dissimilar	shape of root, bridge
Q49MUY	Similar	
QTWDAF	Dissimilar	The nasal root appears to be more indented on the known. The nasal body appears to be straighter and thicker on the known. The nasal tip appears to be bulbous on both. The ala appear to be thicker on the known.
QYFHZU	Dissimilar	The nasal root, body, tip and base are all similar. The nostril opening is consistent. The columella appears to be slightly wider in the known.
R273NE	Dissimilar	Indention and width of nasal root with unknown being straighter and wider. Width and contouring down through body of nose is different. Nasal tip shapes are different as well as columella shape appears different. Ala and nostrils shapes a little different. Both have scarring on left side of nose but shape is different.
TBLBPC	Dissimilar	known - lower septum, broader bridge
U6E77R	Similar	nasal root is similar in width. Nasal body is similar in width and length. The nasal tip and base are a similar width. the columella seems to be similar in width .
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Different lighting causing exaggerated shadows/highlights around nose. Overall outline of nose appears smaller in Unknown. Unknown's nasal root and body are more narrow, nasal body exhibits a bend, nasal tip and base are smaller, alae are flatter, nostrils appear symmetrical. Unknown's columella is more narrow. Known's nasal body, tip, and base appear wider, alae are rounded, and nostrils are asymmetrical (could be from angled position).
XQMJNP	Dissimilar	Unknown nose bridge appears to have a slight bulge/ bend to the right in the middle. Known nose bridge is uniform in shape. The center bottom of the nose (between the nostrils) of the Known appears to be lower than that of the Unknown.
XTNLEQ	Dissimilar	Nasal body Nasal base
XYERF8	[Not Reported]	Similarities include: Nasal outline: length, width, prominence, Nasal root: width, Nasal tip: shape, Columella: relative position Dissimilarities include: (some may be due to differences in pose and lighting in Q & R) Nasal outline: shape, Nasal root: shape, depth, angle, Nasal body: width, length, shape, angle, contour, Nasal tip: angle, Nasal base: width, Nasal alae: thickness, shape, Columella: width, length, Asymmetry and deviation (deviation to mid nasal body to L and then back to R of subject in Q1, not R1) Not comparable: (due to pose in one or both images) Nasal base: height, Nostrils: shape, size, hair
XYJ9D7	Dissimilar	

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Image Set Q4: Table 4.4(i) - Nose

WebCode	Observation	Feature Notes
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Nose — Total Participants: 60

Response	Percent Reported
Similar	10 (16.7%)
Dissimilar	47 (78.3%)
Inconclusive	3 (5.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q4: Table 4.4(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to hair covering in the unknown and partially covering in the known
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	
3M7MAM	Unable To Compare	The unknown person's ears are obscured by hair.
4T9DRJ	Unable To Compare	Ears are covered on unknown.
6JZ4ZJ	Not Applicable	Hair cover
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot be compared due to the hair covering the ears on both probe and candidate.
89T2WX	Unable To Compare	
8FP3RH	Unable To Compare	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	Due to hair covering the unknowns, there is nothing to compare.
9GLTHW	Unable To Compare	
9KFMFY	Unable To Compare	unable to compare details of ears due to angle of head and being covered by hair of Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	not visible in either image
B2Z6FC	Unable To Compare	
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Unknown ears not visible.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	not visible in unknown
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Ears – Due to Unknown subject's hair ears are not fully visible for comparison. Known pose position is also obscuring view of subjects ears hindering comparison beyond what appears to have attached left lobe that is pierced.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible enough
FBEYWM	Unable To Compare	unknown person's ear's covered
FZRJT8	Unable To Compare	The unknown's ears are completely obscured by her hair. So I am unable to compare between the two.

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Image Set Q4: Table 4.4(j) - Ears

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Unknown's ears are covered by hair.
HFB7XM	Inconclusive	
HRQ6L4	Unable To Compare	not visible in unknown image due to hair obstruction.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Ears of unknown obscured by hair.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Not Applicable	Ears in both known and unk not visible so comparison not possible. (n/a)
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	ears cannot be compared due to being covered by hair in the unknown
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Unable To Compare	The sides of unknown's head, including the ears, are covered with long straight hair. Unknown's ears are not visible for comparison.
PGNVGZ	Unable To Compare	
PKLEJY	Unable To Compare	Unable to compare
PRMQFV	Unable To Compare	Unable to compare, mostly covered on the known and not visible at all on the unknown.
PVM3BV	Unable To Compare	not comparable
PWHKDW	Unable To Compare	ears are covered on unk
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Unable To Compare	Hair is covering the ears on the unknown image.
PY46H2	Unable To Compare	
Q49MUY	Unable To Compare	
QTWDAF	Unable To Compare	
QYFHZU	Unable To Compare	
R273NE	Unable To Compare	Unable to see ears of unknown to compare.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	

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Image Set Q4: Table 4.4(j) - Ears

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Unknown's ears are not visible for comparison
XQMJNP	Unable To Compare	Known ears are barely visible; left ear is pierced. Unknown ears are covered by hair.
XTNLEQ	Inconclusive	Image A angle difference and Image B ears covered with hair
XYERF8	[Not Reported]	Not comparable: (due to obstructions in one or both images) Asymmetry, Ear protrusion, Overall ear: size, shape angle, Helix: size, shape, Tubercles: size, shape, quantity, Antihelix: size, shape, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: size, shape, attachment, Abnormalities
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q4 Ears

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	0 (0.0%)
Inconclusive	3 (4.9%)
Unable to Compare	50 (82.0%)
Not Applicable	8 (13.1%)

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Image Set Q4: Table 4.4(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar overall size, but the known's appears slightly larger (consistent with expression difference); the unknown's upper lip appears more full/larger; similar symmetry to upper lip shape; the known's upper lip appears to be slightly protruding more than the unknown's; the known has more prominent marionette lines
34T74N	Dissimilar	
3LFL7K	Similar	The lips of both are consistently thin. They are similar in shape to include the corners of the mouth, the nasolabial folds, and the mentolabial sulcus.
3M7MAM	Inconclusive	Mouth open in known person and mouth closed in unknown person.
4T9DRJ	Inconclusive	expression differences make this hard to compare also the known is not as clear in focus to compare detail.
6JZ4ZJ	Dissimilar	Couldn't compare due to one of the image the mouth is closed
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	There is an expression difference between the probe and candidate. The candidate is smiling while the probe has a neutral face expression. The fullness of the lower could be similar between the probe and candidate.
89T2WX	Dissimilar	The posture is different, and the structure of the mouth movement is different.
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The known has a full smile that shows the upper teeth while the unknowns mouth/lips are closed and has a grin. The creases on either sides of the outer portion of the lips is more prominent/deeper set on that of the unknown image. Also the known image has a crease that runs from the sides of the nose downwards into the chin. This crease is not present on the unknown image.
9GLTHW	Dissimilar	differences in expression makes comparison of individual characteristics difficult, however known's lips appear to be thinner, even when considering being stretched from the smiling expression displayed and the mouth has a minor crooked alignment, whereas unknown's appears to be level with fuller lips that protrude to a greater degree; deep pink tonality of the lips is similar; known has a short marionette line on the left and a faint mentolabial sulcus that isn't visible on the unknown
9KFMFY	[Not Reported]	difference in expression, Known(1) has smiling expression with mouth open and upper teeth visible while Unknown(2) has slighter smiling expression with mouth closed; Known(1) has prominent vertical crease by left corner of mouth not present for Unknown(2); upper lip of Known(1) appears much thinner than Unknown(2), can be partly from expression difference and how mouth is being held
9U4MPG	Inconclusive	Different mimics
AKVB9D	Dissimilar	extreme difference in expression limits comparison. known- thin upper lip with tubercule, thin lower lip that extends side to side. unknown0 full upper and lower lips, no obvious tubercle of upper liplower lip stop sort of corners.
B2Z6FC	Dissimilar	Known has thin lips with a top lip that is barely visible on the lateral sides.
BZH38T	Unable To Compare	The mouth cannot be compared due to one's smiling.

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Image Set Q4: Table 4.4(k) - Mouth

WebCode	Observation	Feature Notes
CKPXLT	Dissimilar	Dissimilar overall mouth and fissure shape and size, upper lip size and Cupid's bow shape.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	upper lip thinner in known image, marks around mouth area which do not appear similar in location and relationship to other features
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Mouth – Faint philtrum appears to be shallow leading into Known's thin upper lip. Known's lower lip is twice as thick as upper lip with subject's mouth framed by nasolabial folds in 'tent' like fashion. Upper and lower lip of Unknown appear to be of the same thickness. Mentolabial sulcus only seen in Known about an inch below lower lip. . Unknown has a freckle, mole, and/or mark in line with left lateral region of mouth
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different texture
FBEYWM	Similar	Expression difference
FZRJT8	Inconclusive	The known is smiling and the unknown has a more neutral expression. Their cupid's bows and vermilion boarders are similar. The size of their mouths are similar.
H2WQ96	Dissimilar	Known has a crooked smile and a pronounced mentolabial sulcus that is not see on the unknown. This could be due to a difference in facial expressions. There is also an off center bump on the unknown below the lower lip the I do not see in the known.
HFB7XM	Dissimilar	Length upper lip.
HRQ6L4	Dissimilar	different expressions in mouth area inhibit some comparisons; upper and lower vermillion borders appear dissimilar in contour and prominence; lips appear fuller in unknown image; philtrum appears more pronounced in unknown image.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Fissure appears similar. Lip details appear dissimilar.
JL2M67	Inconclusive	
K3KWNM	Inconclusive	Lips are similar in color/shape. Vermillion border is not similar in shape. Philtrum is not similar in shape. But similar in location. Marionette lines are not similar in location/shape. Mentolabial sulcus is similar in location. Not similar in shape.
KEBXX2	Inconclusive	Different facial expressions dramatically change the mouth shape
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Similar placement on face in known and unk. Vermillion line in known different from unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mouth is open and teeth showing in the known, mouth closed and smirking in the unknown, vermillion borders are more visible in the unknown, lips are fuller in the unknown, marionette lines are visible in both but not similar, buccal creases are dissimilar, philtrum is dissimilar in size/shape

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Image Set Q4: Table 4.4(k) - Mouth

WebCode	Observation	Feature Notes
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The upper and lower lips of the known individual are parted widely, forming a broad open-mouthed smile. The vermilion border is stretched laterally. The upper teeth of known individual are prominently visible. The teeth are closely spaced and there is no visibility of the lower teeth. The known individual has a happy expression with elevated nasolabial folds and stretched oral commissures. The lips on the unknown image are closed, forming a relaxed or slightly amused expression. The vermilion of both lips appears fuller compared to the known image. The teeth on the unknown image are not visible due to the closed mouth. Unknown has what appears to be a slight smirk or subtle smile, with one corner of the mouth slightly raised. The skin of the unknown image is clearly illuminated showing small moles, blemishes, beauty marks and/or pimples on/near the chin.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Fullness of upper and lower lip appear dissimilar; tone and texture appear dissimilar of lips; upper vermillion and lower vermillion appear dissimilar in shape and asymmetry; tubercle also appears dissimilar and ala of upper lip, may be due to expression; mentolabial sulcus appears dissimilar in shape/location/prominence.
PRMQFV	Similar	There is a difference in expressions, known is smiling showing teeth and unknown is grinning. Fullness of the lips appear to be consistent, fairly thin on both subjects. Tone of the lips are similar.
PVM3BV	Similar	differs in expression, general thickness of lips appears similar when considering the expression difference
PWHKDW	Inconclusive	due to facial expression, difficult to compare. nasolabial lines are different
PWYRHE	Dissimilar	Larger and fuller lips, while the other is short and thin
PX9LGZ	Unable To Compare	Difficult to compare due to the difference in facial expression.
PY46H2	Dissimilar	shape of upper lip (expression?)
Q49MUY	Similar	
QTWDAF	Dissimilar	The lips appear to be smoother and thinner on the known. The lower lip appears to be rounder on the unknown. The fissure appears to be more irregular on the unknown.
QYFHZU	Inconclusive	The mouth is closed in the unknown and open in the known
R273NE	Dissimilar	Known and unknown have philtrums but they are of different shape and unknown's is more visible. Top lip shape appears different. Bottom lip shape appears different. Right side mouth end downturn appears different.
TBLBPC	Dissimilar	lower jaw more prominent in unknown
U6E77R	Similar	philtrum similar in width and length. Both upper and lower lips are thin in both subjects.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	

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Image Set Q4: Table 4.4(k) - Mouth

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Different degrees of smiling impacting appearance of features. Unknown's philtrum is longer and more defined,
XQMJNP	Dissimilar	Known has a large open mouthed smile. Unknown is pursing lips and smiling. Known upper lip is thinner than bottom lip and has a slight cupids bow visible. Unknown lips are equal thickness in size and a slight cupids bow is visible.
XTNLEQ	Similar	Overall mouth shape
XYERF8	[Not Reported]	Similarities include: Lower lip: shape, fullness, Lip fissure: angle, Asymmetry (angle of mouth downward towards subject's L) Dissimilarities include: (some may be due to differences in expression, pose, lighting and image quality in Q & R) Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: protrusion, lower vermillion border shape, detail, Lip fissure: shape, degree of contact Not comparable: (due to differences in pose and expression in one or both images) Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q4 Mouth

Total Participants: 59

Response	Percent Reported
Similar	9 (15.3%)
Dissimilar	27 (45.8%)
Inconclusive	18 (30.5%)
Unable to Compare	5 (8.5%)
Not Applicable	0 (0.0%)

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Image Set Q4: Table 4.4(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar jawline shape and prominence; the known's chin appears to be more prominent and more round and shape
34T74N	Similar	
3LFL7K	Inconclusive	The jawline on both is similar with a rounded shape and a non-prominent gonial angle. The chin on the known protrudes a bit more than the unknown, but the expression differs in both photos.
3M7MAM	Dissimilar	Different degrees of chin protrusion.
4T9DRJ	Inconclusive	The expression difference smiling know vs pursed lips unknown is hard to compare. This makes the chin change shape. know is more defined and unknown is more rounded. Jawline seems taller on unknown.
6JZ4ZJ	Dissimilar	Chin has strong feature in both image
7B6GQY	Inconclusive	
7PHQBF	[No observations reported for this feature.]	
89T2WX	Dissimilar	The chin protrusion is not similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The known is fuller and wider across the entire chin and jawline area. The unknown is rounder through the chin and jaw area. Also there are numerous facial markings/moles/freckles on the unknown image that are not present on the known image. The chin of the known image appears more defined/linear than that of the rounded chin of the unknown.
9GLTHW	Dissimilar	shape and length of the jawline is dissimilar, as known's is rounded, whereas unknown's is soft but more defined and longer; width, height, shape, and prominence of the chin are dissimilar, as known's is narrower, rounder, shorter, and more prominent, whereas unknown's is broader, taller, and flatter with the exception of a rounded bulge in the center of the chin
9KFMFY	[Not Reported]	chin appears wider for Unknown(2) than Known(1), there is difference in expression in how the face is being held; center of chin appears to protrude more for Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	similar rounded jawlines, known- protruding rounded chin. unknown smaller flatter chin
B2Z6FC	Dissimilar	Known has a chin that protrudes while the unknown has a chin that is more inline with the jaw line
BZH38T	Dissimilar	The shape of the jawline is dissimilar.
CKPXLT	Dissimilar	Dissimilar jawline shape, size and angle and, lower lip to chin relative distance
CUYZ8T	Similar	
D2QZYQ	Dissimilar	shape does not appear similar, curvature dissimilar
DA6QFC	Dissimilar	

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Image Set Q4: Table 4.4(l) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Chin/Jawline – Known's jawline which appears to be square jawline into a rounded slightly protruding chin and is more defined on left side of subject due to lighting, expression and/or pose angle. Unknow jawline is shorter, not as sharp possibly obscured by lighting, subject's hair, and or subjects expression. Unknown has a freckle, mole, and/or mark on just right of midline where subjects chin meets her neck.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known's hin appears more pointy and defined, and the unknown's appears wider and more round. There appears to be a weight difference.
H2WQ96	Dissimilar	Unknown's chin appears wider.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	different expressions affect chin and jawline comparison; dissimilar shape and prominence; appears more prominent in known image.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Chin shape and jawline appear dissimilar
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Chin not similar in shape/size. This could be due to different unnatural expression. Jawline is similar in shape
KEBXX2	Dissimilar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Chin and jawline are similar in known and unk. Chin in known has more definition than in unk. Due to lighting, colors are masking true skin tomes in chin. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	chin is larger in size in the unknown, marks on the chin are not in the same location in both, mentalabial sulcus is dissimilar, jawline appears longer in the unknown, marks along the jawline in the unknown that are not in the known
LQZ4DH	Dissimilar	Chin, Jawlines
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Unknown's chin is rounded and smooth with no visible dimpling or creasing. The jawline is soft and not sharply defined. The mandibular angle is not prominently visible. Unknown's chin is more pronounced with a visible dimple in the center of the chin and a subtle protuberance, giving the chin more definition. Unknown's chin is slightly more structured compared to the known image, with clearer definition at the edges. The unknown image displays blemishes, pimples, and/or moles around the chin and lower cheek area.
PGNVGZ	Dissimilar	

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Image Set Q4: Table 4.4(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Chin appears dissimilar in shape/prominence/width/size; jawline appears somewhat dissimilar in shape and definition as well.
PRMQFV	Dissimilar	Curvature of the chin is more rounded on the unknown. The knowns chin is more prominent and “U” shaped. There is a difference in expressions.
PVM3BV	Similar	general shape of the chin appears to be similar between subjects, angle of jawline appears to be more rounded on the unknown
PWHKDW	Dissimilar	pronounced chin in known
PWYRHE	Dissimilar	sharp chin and the other oval
PX9LGZ	Dissimilar	Both have a round and soft jawline, however, the chin is more protruding on the known image.
PY46H2	Dissimilar	known- pointed, unknown- fuller
Q49MUY	Similar	
QTWDAF	Dissimilar	The chin appears to be more asymmetrical on the known. The middle of the chin appears to be more pronounced. The chin appears to be larger on the unknown.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Dissimilar	Gonial angles are a little different and jawline roundedness is also different. Chin shape and size different. Unknown has a protrusion on right half of chin not seen on known. and Known's chin is assymetricl being down more on left side.
TBLBPC	Dissimilar	
U6E77R	Similar	both have very round shape, similar distance from mouth.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has a non-angular oval jawline/chin. Known's chin is more prominent and sharply rounded.
XQMJNP	Dissimilar	Known chin protrudes slightly downwards past jaw line. Unknown chin is in line with the jaw line. There is a facial expression difference between 2 subjects.
XTNLEQ	Similar	Jawline shape
XYERF8	[Not Reported]	Dissimilarities include: (some may be due to differences in pose, lighting and image quality) Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry (prominence in chin to R of subject's midline in Q1, not R1; chin angled downwards to subject's L in R1, not Q1)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q4 Chin/Jawline		Total Participants: 58
Response	Percent Reported	
Similar	10 (17.2%)	
Dissimilar	40 (69.0%)	
Inconclusive	7 (12.1%)	
Unable to Compare	1 (1.7%)	
Not Applicable	0 (0.0%)	

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Image Set Q4: Table 4.4(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar overall neck width; the creases on the neck appear different in prominence, shape and location
34T74N	Similar	
3LFL7K	Inconclusive	The neck on each is consistent in width and length. The creases are not readily apparent for comparison as the known subject has her head turned and the unknown is facing straight ahead. Specific marks are not apparent on both.
3M7MAM	Dissimilar	Differences in neck length.
4T9DRJ	Dissimilar	neck seems taller on known. lines don't seem right, marks on unknown not on known.
6JZ4ZJ	Inconclusive	
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	The neck wrinkles on the probe do not line up with the neck wrinkles on the candidate.
89T2WX	Dissimilar	The neck lines are different.
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The neck of the known is wider/thicker. There are 2 prominent creases on the neck of the unknown with markings/freckles/moles that is not consistent with the known image.
9GLTHW	Dissimilar	width is similar, but length appears to be dissimilar, as known's is longer, and the musculature and veins are more defined/ prominent; neck creases are difficult to compare due to differences in angle, however known appears to have two that are prominent, whereas unknown appears to have one that is prominent in the center that bifurcates outward in both directions from the middle; unknown also has a couple darker pigmented facial marks, one more distinct than the others, directly below the chin that are not visible on the known
9KFMFY	[Not Reported]	difference in angle of neck, Known(1) is turned more from side with any neck wrinkles on left side of neck more pronounced; facial marks that are present on neck of Unknown(2) do not appear present for Known(1); what is visible of lower neck wrinkle that curves from left of neck appears to curve further past center of neck for Unknown(2) than Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- turning position limits observation. long narrow. wrinkles present on left side unknown- short, narrow, wrinkles and moles/freckles present
B2Z6FC	Similar	Similar width. Different angles make creases hard to compare. Unknown has a few freckles while the known does not
BZH38T	Dissimilar	The length of the neck is dissimilar.
CKPXLT	Inconclusive	Similar neck width. Dissimilar neck height.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	marks and creases do not appear similar in locations and relationship

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Image Set Q4: Table 4.4(m) - Neck

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Neck – Known has horizontal one creases on left side of neck just below chin and extend past the center and another one only visible on the left. This may be due to subject's pose angle and lighting. Unknown has one creases on either side of subject's neck wit the right appearing to start higher on neck than left. Unknown has a freckle, mole, and/or mark on both creases in line with lateral left eye and lateral right eye respectively which is not seen in Unknown. These creases never meet but appear to converge in at a horizontal crease and/or facial line that is the same width as subjects mouth.
EGYH2B	Inconclusive	
ELRHHR	Inconclusive	couldn't measure all dimensions
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The neck appears of similar width, but the known's appears longer. The unknown has facial marks on her neck that the known does not have. They both appear to have different neck creases.
H2WQ96	Dissimilar	Known's neck appears longer and there are marks on unknown's neck that doesn't appear to be on known's neck.
HFB7XM	Dissimilar	
HRQ6L4	Inconclusive	neck in known image appears to have more muscle prominence but could possibly be due to pose difference; neck appears similar in width.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in size. Wrinkles appear dissimilar.
JL2M67	Similar	
K3KWNM	Inconclusive	Neck is similar in width. Not similar in length. Neck markings not similar in location/size/shape. Neck wrinkles is not similar in quantity/shape/location.
KEBXX2	Similar	
KHWG47	Unable To Compare	Perspective
L7ZVC2	Dissimilar	Neck lines visible on both known and unk. Two visible on known while at least 5 visible on unk. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known neck appears to be longer, unknown neck appears thicker but could be angle difference in neck, neck creases are dissimilar in location/size, marks on the unknown neck are not the same in the known, unknown has a necklace and other items around neck that the known does not
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	

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Image Set Q4: Table 4.4(m) - Neck

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The skin on the neck of the known image appears smooth and evenly toned. Known image has a gentle neck slope from chin to collarbone without any pronounced muscle definition or contouring. The skin texture of known image is smooth overall with even pigmentation; no visible blemishes or marks. Unknown's neck is structurally more defined and natural skin texture is visible, including blemishes, pimples, and moles around the chin and lower cheek area. Long, brown hair frames the right side of the face and neck of the unknown image.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Both appear to have neck creases but appear dissimilar in location/shape/quantity; facial marks present on neck of U, not visible in K.
PRMQFV	Dissimilar	Length of the neck is similar. Creases found on both known and unknown, not in similar locations. Marks on the neck of the unknown, not found on the known. There is a difference in angles.
PVM3BV	Dissimilar	creases can be seen in necks of both subjects, not in similar location or prominence
PWHKDW	Dissimilar	k has a longer neck than unk
PWYRHE	Dissimilar	The neck is long, while the other is short, and the folds differ.
PX9LGZ	Similar	The width of the neck seems similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The neck appears to be thicker on the unknown however this could be due to angle. There are neck wrinkles on both subjects but they appear to be in different locations/arrangement.
QYFHZU	Similar	
R273NE	Dissimilar	Due to head turn, known's neck is turned to right. Unknown's neck is straight on. Both's neck thicknesses are similar. Neck line positions and curvatures are different.
TBLBPC	Similar	
U6E77R	Similar	multiple similar wrinkles on both necks. Necks are similar in width.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Different body posturing influencing appearance of neck (Unknown's body is forward-facing, Known's body is angled). Somewhat similar neck width to head ratio. Known's neck might be longer. Dissimilar neck creases.
XQMJNP	Dissimilar	Known head is turned to the left. Unknown is looking straight ahead. Known has two facial lines on the left side of the neck. Unknown only has 1 line on the left side of the neck.
XTNLEQ	Inconclusive	Image A different angle than Image B

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Image Set Q4: Table 4.4(m) - Neck

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Dissimilarities include: (may be due to differences in pose and image quality in one or both images) Overall neck: width, height, details Not comparable: Laryngeal prominence: shape, size, prominence, location (not observed)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Neck	Total Participants: 59
Response	Percent Reported
Similar	13 (22.0%)
Dissimilar	30 (50.8%)
Inconclusive	14 (23.7%)
Unable to Compare	1 (1.7%)
Not Applicable	1 (1.7%)

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Image Set Q4: Table 4.4(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Similar	dissimilar although it looks shorter
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Dissimilar	described in eyebrows
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	N/A
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	for unknown profile, they are not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Dissimilar	There appears to be peach fuzz above right eyebrow of known that doesn't appear to be on known.
HFB7XM	Not Applicable	

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Image Set Q4: Table 4.4(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Neither known or unknown has facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q4: Table 4.4(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Facial hair not observed in Q & R.
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q4 Facial Hair

Total Participants: 61

Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	4 (6.6%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	54 (88.5%)

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Image Set Q4: Table 4.4(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	
3LFL7K	Inconclusive	The creases on the forehead are only visible on the unknown. The neck creases are not visible in both photos. The creases below the eyes are consistent. The folds on the upper eyelids appear different due to difference in expression.
3M7MAM	Dissimilar	Variations in forehead lines, eye corner wrinkles and neck folds.
4T9DRJ	Dissimilar	Perpendicular crease on left edge of mouth not on unknown. Marionette line on left side of known not the same on unknown. Less pronounced right marionette line
6JZ4ZJ	Dissimilar	nasolabial fold
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Frontal lines visible on the forehead of the probe but not visible on the candidate. The probe and candidate have dissimilar left and right periorbital creases. The nasolabial folds on the left and right are dissimilar in length and depth between the probe and candidate.
89T2WX	Dissimilar	The wrinkles under the eyes and around the mouth are not similar.
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	curve of right nasolabial fold curves further down face past corner of mouth for Known(1); left nasolabial fold of Unknown(2) appears to curve further past left corner of mouth compared to Known(1) where prominent curve of left nasolabial fold appears to end before going past left corner of mouth; right periorbital crease of Unknown(2) appears more prominent and to have longer/flatter curve not present for Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- right and left periorbital lines, Inferior palpebral crease, Nasolabial creases, Buccal creases, Mentolabial sulcus. unknown- Periorbital lines, Nasion crease, superior and Inferior palpebral creases, faint frontal lines
B2Z6FC	Dissimilar	Some discussed above. Known has a crease around the left lateral curve of the mouth. Known has left periorbital creases that turn downward. Known has a slight dimple on the right side
BZH38T	Dissimilar	The wrinkles around the eyes and the wrinkles on the neck are dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead crease, superior palpebral crease angle, crow's feet number, left nasolabial fold, mentolabial sulcus, neck crease number and placement.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	multiple creases throughout images which appear dissimilar

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Image Set Q4: Table 4.4(o) - Facial Lines

WebCode	Observation	Feature Notes
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different pattern
FBEYWM	Dissimilar	
FZRJT8	Similar	They have similar nasolabial creases, and other creases mentioned above.
H2WQ96	Dissimilar	Both have periorbital creases and inferior creases; however, they differ in appearance. Known also seems to have nasolabial folds that don't appear to be on the unknown.
HFB7XM	Dissimilar	Frontal lines, neck lines, location of inferior palpebral creases.
HRQ6L4	Dissimilar	facial expressions limit comparison; superior palpebral creases appear more prominent at the medial portion in the unknown image; inferior palpebral creases dissimilar in shape and prominence and appear to begin closer to the medial canthus in the unknown image than creases in known image; left infraorbital furrow of known image appears more prominent and not observed in unknown image; nasolabial folds and marionette lines dissimilar in length and positioning; neck lines dissimilar in placement and contour; frontal lines visible in unknown image are not visible in known image.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar infraorbital lines, dissimilar nasolabial folds.
JL2M67	Not Applicable	
K3KWNM	[Not Reported]	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Inconclusive	Forehead frontal lines are visible on the unk that are not visible on the known. Both have nasolabial lines visible. The known has nasolabial line on left side much closer to the edges of her mouth than in the unk. Known has marionette lines visible that are not visible in the unk. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Frontal lines (horizontal), nasal lines, mentolabial sulcus, wrinkles on neck
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	no more than previously mentioned.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasolabial folds appear dissimilar in location/shape/definition; others aforementioned.

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Image Set Q4: Table 4.4(o) - Facial Lines

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Frontal lines found on the unknown, not found on the known. Inferior palpebral creases are more prominent on the unknown. Crows feet on the unknown, not found on the known. Nasolabial folds are found in similar locations and have a similar prominence; right fold is longer on the known. Mentolabial sulcus is longer and more prominent on the known.
PVM3BV	Dissimilar	see forehead, eyes, nose, mouth, neck cheeks sections above
PWHKDW	Dissimilar	neck creases are different, crow's feet is different
PWYRHE	Dissimilar	the other less so Expression lines and nasolabial folds.
PX9LGZ	Dissimilar	Lines in the corner of the eyes and on the lower eyelid are different. No lines are visible on the forehead of the known image, whereas the horisontal lines are visible on the unknown image.
PY46H2	Dissimilar	buccal, nasolabial creases
Q49MUY	Similar	
QTWDAF	Dissimilar	The nasolabial line on the left appears to be longer and more consistent with it's depth. The right nasolabial appears to be more pronounced on the unknown. There are frontal lines on the unknown that do not appear visible on the known. The fissure of the eye appears to be more angled on the known. Both subjects appear with periorbital lines however they appear to angle differently.
QYFHZU	Dissimilar	There are faint frontal lines observed in the unknown that are not in the known. The inferior palpebral creases look more prominent in the unknown.
R273NE	Dissimilar	Nasolabial line angles, curvatures, and starting positions by nose is different between known and unknown. Other lines discussed in above categories.
TBLBPC	Dissimilar	
U6E77R	Similar	Periorbital lines beside right and left eyes are similar in each subject. Right and left inferior palpebral creases are similar in visibility, position and depth in each subject. Right and left nasolabial creases are similar in each subject.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar appearance of lines and creases. Unknown has very faint transverse frontal lines and vertical glabellar lines that are not present in Known. Both have periorbital lines and inferior palpebral creases but they are dissimilar in number and pattern. Known has left infraorbital crease that is not present in the Unknown. Dissimilar shape of nasolabial creases (could be impacted by smiling). Dissimilar neck wrinkles.

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Image Set Q4: Table 4.4(o) - Facial Lines

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Facial lines around the nose and mouth appear different between the subjects. Unknown facial lines appear to be the same on the right and left sides of the mouth--starting below the nose and ending just below the mouth. Known facial lines are asymmetrical between the right and left side--right side starts at the nose and goes down to the chin; the left side has a small line between the nose and mouth, a small vertical line at the edge of the mouth, and another line from below the mouth to the chin. See above for further descriptions.
XTNLEQ	Similar	Right nasolabial crease/folds Left nasolabial crease/folds Right buccal creases/folds Left buccal creases/folds
XYERF8	[Not Reported]	Similarities include: Nasolabial crease (R) Dissimilarities include: (some may be due to differences in expression in Q & R) Frontal lines, Superior palpebral crease (shape and position), Inferior palpebral crease (shape and position), Infraorbital crease (shape and position) (L), Nasolabial crease (L), Buccal creases, Marionette lines, Mentolabial sulcus Not comparable: (not observed) Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Infraorbital crease (R), Circumoral striae, Cleft chin, Wrinkles on neck, Other creases
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Facial Lines

Total Participants: 59

Response	Percent Reported
Similar	6 (10.2%)
Dissimilar	48 (81.4%)
Inconclusive	2 (3.4%)
Unable to Compare	0 (0.0%)
Not Applicable	3 (5.1%)

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Image Set Q4: Table 4.4(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	
3LFL7K	Dissimilar	The unknown subject has a scar visible on the left side of her nose, whereas there is not one visible on the known subject.
3M7MAM	Dissimilar	Scar on nose present in unknown person, absent in known person.
4T9DRJ	Inconclusive	looks like a scar on unknown left of nose close to eye.
6JZ4ZJ	Similar	Slightly at the nasal bine there are similarities
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	There looks to be a possible scar on the nose of the nasal body of the probe that is not visible on the candidate.
89T2WX	Dissimilar	The scars at the nasal root are not similar.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	Unknown(2) has scar present on nose that starts near the medial end of left eyebrow that curves rounded then down in the direction of left alae of nose; Known(1) does not have similar scar present on nose
9U4MPG	Dissimilar	Scar on nasal body in unknown
AKVB9D	Dissimilar	scar-on left side of nasal bridge/body, chin of unknown
B2Z6FC	Dissimilar	Discussed above
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar scar on nose body of the Unknown not visible on the Known.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	scar only visible in unknown image (nose)
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	no scars on known profile
FBEYWM	Dissimilar	
FZRJT8	Not Applicable	None visble
H2WQ96	Dissimilar	Scar observed on unknown's nose that is not on known.

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Image Set Q4: Table 4.4(p) - Scars

WebCode	Observation	Feature Notes
HFB7XM	Dissimilar	Scar on the nose.
HRQ6L4	Dissimilar	scars present in unknown image on nasal body and medial portion of left eyebrow are not visible in known image; Scar present on left cheek of known image not visible in unknown image.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Significant scar noted on nose of unknown.
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Dissimilar	Prominent scar on unknown's nose, smaller scars around eyes not visible on known - possibly due to image quality
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Unk has a scar on the bridge of her nose going up into the nasal root that the known does not share. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Scar on the nasal body (shape, location, size)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	There is what appears to be a scar located on the left side of the bridge of unknown's nose, extending from the root of the nose downward to just above the left nostril. No notable scaring on known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Aforementioned.
PRMQFV	Dissimilar	Appears to be a scar on the nasal body of the unknowns nose, not found on the known.
PVM3BV	Dissimilar	see nose sections above
PWHKDW	Dissimilar	scar on unk's nose that is not present in known
PWYRHE	Dissimilar	inear scar on the nasal pain which the other image does not have
PX9LGZ	Dissimilar	There is a scar on the lift side of the nasal body of the unknown image.
PY46H2	Dissimilar	unknown- scar across bridge of nose (time?)
Q49MUY	Unable To Compare	
QTWDAF	[Not Reported]	there are possible scar/marks on both subjects however they appear to be in a different arrangement and amount.
QYFHZU	Inconclusive	There is a vertical scar down the nasal body that is not in the known.
R273NE	Dissimilar	Discussed in nose category
TBLBPC	Dissimilar	

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Image Set Q4: Table 4.4(p) - Scars

WebCode	Observation	Feature Notes
U6E77R	Not Applicable	
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has a vertical scar down the nasal body with another possible scar between the nasal root and left medial eyebrow. Unknown appears to have some kind of angled linear texture on the nasal body, these might be scars but they are dissimilar from the Unknown's.
XQMJNP	Dissimilar	Unknown has a scar along the left side of the bridge of her nose. No scar is visible on known.
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Dissimilarities include: (may be due to differences in age between Q & R) Scar observed vertically on nasal root and body in Q1, not observed in R1
XYJ9D7	Inconclusive	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Scars — Total Participants: 60

Response	Percent Reported
Similar	1 (1.7%)
Dissimilar	47 (78.3%)
Inconclusive	3 (5.0%)
Unable to Compare	1 (1.7%)
Not Applicable	8 (13.3%)

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Image Set Q4: Table 4.4(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	there are various facial marks present all over the faces of both individuals that are dissimilar shape, prominence and relative location
34T74N	Dissimilar	
3LFL7K	Dissimilar	The dark spots/freckles visible on the unknown subject are not apparent on known subject.
3M7MAM	Dissimilar	Discordant pigmentation abnormalities between facial and cervical regions.
4T9DRJ	Dissimilar	unknown has many marks which don't show up on known.
6JZ4ZJ	Dissimilar	freckles
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Both the probe and candidate have visible facial marks, but they do not line up with one another.
89T2WX	Dissimilar	The moles/acne are different.
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	facial marks present on right cheek of Unknown(2) do not appear similar in number/position to Known(1); visible potential facial mark on higher right cheekbone of Known(1) under right lateral canthus is dissimilar to Unknown(2); small circular facial mark above left corner of mouth of Unknown(2) not present for Known(1); presence of small facial marks on lower left cheek and along lower right chin/jawline of Unknown(2) are dissimilar to Known(1)
9U4MPG	Dissimilar	On neck and cheeks/chin
AKVB9D	Dissimilar	known- facial mark upper right cheek, possible freckles below lower lip and left cheek. unknown- freckles/moles throughout face, cheeks, chin, neck
B2Z6FC	Dissimilar	Discussed above
BZH38T	Dissimilar	One of the individuals has visible acne.
CKPXLT	Dissimilar	Dissimilar various freckles and dark skin marks on upper and lower cheeks and neck of the Unknown not visible on the Known and one textured mark under the Known right eye not visible on the Unknown.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	multiple marks throughout images which appear dissimilar
DA6QFC	Dissimilar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Dissimilar	

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Image Set Q4: Table 4.4(q) - Facial Marks

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	moles on chin for unknown profile
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The unknown has facial marks on her cheeks and neck that the known does not have
H2WQ96	Dissimilar	Many facial marks observed on unknown that is not observed on known.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	multiple facial marks in unknown image not visible in similar locations in known image.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Numerous marks noted on cheeks and chin of unknown.
JL2M67	Not Applicable	
K3KWNM	[Not Reported]	Many facial markings are not similar in size/shape/location.
KEBXX2	Inconclusive	Known's image is too washed out to clearly compare
KHWG47	Dissimilar	
L7ZVC2	Inconclusive	Unk has facial marks mainly on cheeks and neck that are not visible in the known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	previously mentioned small moles, blemishes, beauty marks and/or pimples on/near the chin and area of the neck on the unknown image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Many facial marks on U that are not present on K; mark on right cheek of K.
PRMQFV	Dissimilar	Facial marks on the left and right cheeks of the unknown, not found on the known. Marks on the unknowns chin, not fond on the known. Known has a mark under the right eye, not found on the unknown. Appears to be two marks on the knowns chin, not found on the unknown.
PVM3BV	Dissimilar	see skin, cheeks, neck sections above
PWHKDW	Dissimilar	several marks on unk that are not observed on known
PWYRHE	Dissimilar	Scar in the upper left ciliary region, resulting from chickenpox or acne
PX9LGZ	Dissimilar	Many moles are visible on the unknown image, but not on the known image.
PY46H2	Dissimilar	unknown- multiple marks not present on known, including neck
Q49MUY	Not Applicable	

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Image Set Q4: Table 4.4(q) - Facial Marks

WebCode	Observation	Feature Notes
QTWDAF	Dissimilar	there are possible scar/marks on both subjects however they appear to be in a different arrangement and amount.
QYFHZU	Dissimilar	There are numerous small dark spots on the right cheek and chin, one above the left lip, and a few on the right cheek of the unknown subject, none of which appear in the known. There is a small brown spot on the outer edge of the right eye on the cheek in the known which is not observed in the unknown.
R273NE	Dissimilar	Unknown has multiple marks on cheeks, neck, chin, not visible on known.
TBLBPC	Dissimilar	
U6E77R	Inconclusive	unk subject has marks on face, not sure if permanent, and unable to compare to the known subject, possibly due to lighting.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Facial marks are dissimilar in placement and quantity. Unknown has many marks, especially on the lower half of the face and neck. Known has marks under right eye, under left ala, under right side of mouth, on left side of chin, and on lateral side of left cheek.
XQMJNP	Dissimilar	Known has a facial mark on the left cheek under the eye and a facial mark on the right side of the chin. Unknown has several facial marks under the right eye, left cheek, and both sides of the chin. Unknown also has facial marks on the neck.
XTNLEQ	Dissimilar	mage A does not have distribution of dark spots same as Image B have in different areas of the face
XYERF8	[Not Reported]	Similarities include: Possible mark in corresponding position on upper R cheek Dissimilarities include: (some may be due to differences in image quality, lighting in Q & R or are transient marks) Marks observed in R1, not Q1 include: Below R-side of lower lip, Lower L chin border, L mid-cheek, L outer edge of cheek; Marks observed in Q1, not R1 include (non-corresponding location): Cluster of marks on R outer cheek, Multiple marks on chin, Mark above L corner of mouth, Multiple marks on L outer cheek, Some marks on outer edges of forehead, Marks on the neck
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q4 Facial Marks

Total Participants: 60

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	54 (90.0%)
Inconclusive	3 (5.0%)
Unable to Compare	0 (0.0%)
Not Applicable	3 (5.0%)

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Image Set Q4: Table 4.4(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Unable To Compare	Dyed hair.
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	Variation in necklace wearing observed, with the known person wearing left ear accessory.
4T9DRJ	Inconclusive	peirced ears. possible eyebrow waxing, possible makeup on known.
6JZ4ZJ	Similar	none
7B6GQY	Not Applicable	
7PHQBF	[No observations reported for this feature.]	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	[No observations reported for this feature.]	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	[Not Reported]	Known(1) has glasses atop of head; Known(1) has ear piercings visible
9U4MPG	Not Applicable	
AKVB9D	Inconclusive	known- glasses on her head
B2Z6FC	[No observations reported for this feature.]	
BZH38T	Dissimilar	One of the individuals has a earring.
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	hair styles
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	different head tilt and physical alterations
FBEYWM	Unable To Compare	
FZRJT8	Not Applicable	None visible
H2WQ96	Unable To Compare	One piercing observed on known, but cannot be compared due to unknown's ears being covered by hair.
HFB7XM	Not Applicable	

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Image Set Q4: Table 4.4(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Unable To Compare	earring visible in left ear lobe of known image - ears not visible in unknown image.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	[No observations reported for this feature.]	
P6CLXG	Unable To Compare	
PD3BCW	Unable To Compare	Known image has earrings
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Makeup may be present on both; piercing in left ear of K not visible for comparison in U; no tattoos visible on either.
PRMQFV	Not Applicable	
PVM3BV	Dissimilar	hair differs in style, known appears to be wearing earrings
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	the other less so Expression lines and nasolabial folds.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Dissimilar	glasses on the known
QYFHZU	[No observations reported for this feature.]	
R273NE	Not Applicable	No alterations of note
TBLBPC	Unable To Compare	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q4: Table 4.4(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has groomed eyebrows
XQMJNP	Inconclusive	Known has at least one ear pierced.
XTNLEQ	Dissimilar	Image A have left ear Piercing
XYERF8	[Not Reported]	Not comparable: Possible ear piercing on L lobe observed in R1, not comparable to Q1 due to obstructions
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q4 Alterations

Total Participants: 52

Response	Percent Reported
Similar	1 (1.9%)
Dissimilar	9 (17.3%)
Inconclusive	4 (7.7%)
Unable to Compare	9 (17.3%)
Not Applicable	29 (55.8%)

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Image Set Q4: Table 4.4(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known is under exposed with a significant amount of shadowing present, whereas unknown image has decent exposure
CKPXLT	Limitations		Expression, eyes closed, lighting, pose and hair occlusion.
LADNAL	Quality		known images is a frontal image that is good quality, lighting is a little darker in some areas, unknown is a good frontal quality images, known image is a frontal but the head is turned at the neck area
PWYRHE	Image superposition	Dissimilar	Image superposition. Cranial points and cephalometric planes do not match. Cranial points and cephalometric planes do not match.
XPRZMN	Lighting	Dissimilar	Different lighting sources and directions
XYERF8	Limitations		The images displayed a number of limiting factors including, but not limited to, pose, lighting, expression and image quality conditions. These limited the comparison and the observations that were able to be made.
XPRZMN	Expression	Dissimilar	Different expressions

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Detailed Feature Observations

TABLE 4 - Image Set Q5

Image Set Q5: Table 4.5(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	known appears to have a lighter skin tone; unable to compare skin texture due to known image quality issues
34T74N	Inconclusive	
3LFL7K	Dissimilar	The skin on known subject is light in color and shows no specific marks. The skin on the unknown subject is more textured and darker in color with several marks visible. The known subject's photo is somewhat blurry.
3M7MAM	Dissimilar	Differences in skin tone and texture.
4T9DRJ	Dissimilar	Many freckles or age marks that are on unknown are not on known. Skin tone on known is lighter than unknown.
6JZ4ZJ	Unable To Compare	bright / Quality
7B6GQY	Inconclusive	
7PHQBF	Similar	Skin tones between the probe and candidate appears to be similar
89T2WX	Similar	Light skin tone
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Known image is paler in coloring while the Unknown appears darker/tan with pink tones in complexion.
9GLTHW	Dissimilar	smooth texture appears to be similar, but unknown's seems to be more weathered, which could be due to differences in age and sun exposure; complexion is dissimilar, as known's is fair, whereas unknown's is tanned and covered in freckle-like facial marks throughout entire face, neck, and upper chest, but this could be due to lighting washing out the known or differences in sun exposure and age; highlighting and shadowing on the contours of the face are dissimilar, however there is a difference in lighting and angle and also an age difference which could explain differences in musculature
9KFMFY	[Not Reported]	both appear to have lighter skin tones; difference in lighting of images; unable to compare finer details of skin due to quality of Known(1)
9U4MPG	Similar	
AKVB9D	Inconclusive	limited comparison of known due to poor lighting
B2Z6FC	Dissimilar	hard to compare due to lighting of known and age difference. Unknown has more textured skin.
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is bright.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	multiple marks throughout unknown not visible in known
DA6QFC	Inconclusive	

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Image Set Q5: Table 4.5(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Skin – appears to have even/smooth texture warm fair skin tone Subjects have fair pale skin. Unknown has some red undertones in cheek area and texturing while Known is more neutral.
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	for known profile, it is not visible enough
FBEYWM	Unable To Compare	Known image low resolution/grainy
FZRJT8	Similar	Both have similar skin tone
H2WQ96	Similar	Texture and tone appear similar.
HFB7XM	Similar	Similar skin colour and whiteroll under lower lip.
HRQ6L4	Similar	similar color accounting for differences in image resolution and lighting.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in complexion and tone. Dissimilar facial marks.
JL2M67	Inconclusive	
K3KWNM	Similar	Skin is similar in light color. Due to lighting the Known's color is very washed out. Texture is hard to compare due to image quality of the Known.
KEBXX2	Similar	Overall similiar but cannot see detail or texture in the known
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones and texture between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	[Not Reported]	tone is lighter in the known but could be due to lighting/quality, texture is hard to say due to quality of the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-res known
PD3BCW	Similar	Both known and unknown have consistent light skin tone. Known individual has a mostly smooth unblemished texture that appears free from lines, creases and wrinkles. The unknown image has faint, small, discolored marks like that of freckles, lightly scattered around the facial plane that is inconsistent with the known image. Known and unknown appear to have a significant difference in age. Both have a round facial contour with fullness/weight in the face. The lighting of the unknown image is bright, clear and direct, which enhances skin detail and texture clarity. There is a significant age difference with the known image appearing to be that of an adolescent and the unknown individual an adult. There are age-related differences between the two images. The known image is much younger. The quality of the photo is poor, slightly blurred.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Skin appears dissimilar in texture/tone/luminosity, may be due to lighting/time of year.

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Image Set Q5: Table 4.5(a) - Skin

WebCode	Observation	Feature Notes
PRMQFV	Similar	Both subjects are fair skinned, Known appears to be a bit lighter. Possibly due to the difference in image quality.
PVM3BV	Inconclusive	skin tone appears to be similar between subjects - texture of unknown appears more aged and facial marks appear to be more present as well
PWHKDW	Similar	Both white females
PWYRHE	Similar	same color
PX9LGZ	Similar	Both have fair skin.
PY46H2	Dissimilar	known- lighter tone. (Lighting? Age of photo?)
Q49MUY	Similar	
QTWDAF	Inconclusive	The known appears to have a more pale skin tone however this is likely due to imaging conditions. The skin texture appears to be smoother on the known however that is likely due to aging, health, or imaging conditions.
QYFHZU	Inconclusive	They appear to be similar but, the known image is somewhat grainy and the lighting is bright.
R273NE	Inconclusive	Due to lighting and quality differences, its hard to compare tone and texture. Luminance does appear to be somewhat similar between known and unknown.
TBLBPC	Unable To Compare	too different lighting/color balance
U6E77R	Unable To Compare	known picture is a bit blurry, can't tell texture of skin
U778AU	Inconclusive	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Somewhat dissimilar skin tone, which could be explainable due to differences in photo capture equipment, lighting, and potentially subject age.
XQMJNP	Dissimilar	Both subjects are light skinned. Known has more of a yellow tone; this could be due to the quality. Unknown has more of a pink tone with freckles..
XTNLEQ	Unable To Compare	Image A appears very bright.
XYERF8	[Not Reported]	Similarities: Overall skin appearance: texture, tone - Dissimilarities: Overall skin appearance: tone (potentially due to lighting)
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Inconclusive	

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Features Observations Response Summary - Q5 Skin		Total Participants: 59
Response	Percent Reported	
Similar	21 (35.6%)	
Dissimilar	12 (20.3%)	
Inconclusive	17 (28.8%)	
Unable to Compare	7 (11.9%)	
Not Applicable	2 (3.4%)	

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Image Set Q5: Table 4.5(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's facial shape appears slightly more pear shaped; similar flat cranial vault shape
34T74N	Similar	
3LFL7K	Inconclusive	The cranial vault and brow ridge are not visible due to hair style.
3M7MAM	Dissimilar	Different facial outlines.
4T9DRJ	Dissimilar	Some differences but unsure of how much is related to the age difference of young known to older unknown.
6JZ4ZJ	Similar	shape of Cranial Vault and overall Shape of face. (portrait contour)
7B6GQY	Similar	
7PHQBF	Similar	Overall face outline of the probe and candidate appears to be similar. Both the images have a circular face outline.
89T2WX	Similar	The degree of obesity is different, but the facial shape is similar
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Known image is squattier and slightly square thru the jaw area while the Unknown is more oblong and longer from top of head to the chin.
9GLTHW	Dissimilar	cranial vault shape is difficult to compare due to pitch difference and hair thickness/coverage; facial shape and size are dissimilar, as known's is rounded at the top, becomes more of a squarish shape along the cheeks and chin, and is widest at the cheeks, whereas unknown's is more of an oval-like shape, with the widest part of the face also at the cheeks, however the face is more elongated than known's
9KFMFY	Similar	both appear to have round face/head outlines
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Dissimilar	hard to compare due weight difference. Known appears to have a rounder face while the unknown has a more oval shaped face.
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar general face shape.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	hard to examine with angles and weight difference
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Face/Head Outline – The cranial vault of subject has a consistent rounded shape. Candidate appears to be older than probe and has a fuller face. Subjects have consisted egg-shaped head with Unknown being that of a larger egg possibly due to subjects' proximity to camera, pose angle of subject, and weight difference.
EGYH2B	Inconclusive	

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Image Set Q5: Table 4.5(b) - Face/Head Outline

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	different geometric shape around edge of face, forehead, chin, cheeks, jawline
FBEYWM	Similar	
FZRJT8	Dissimilar	The face/head outline appears slightly different. The known's head is more round, and the unknown's is more oval.
H2WQ96	Similar	Oval face shape is similar.
HFB7XM	Similar	Similar overall faceshape.
HRQ6L4	Similar	known image slight pose to the left but overall similar outline.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Similar oval shape. Dissimilar facial outline and jawline. Cranial vault appears somewhat similar.
JL2M67	Similar	
K3KWNM	Similar	Outline is very similar in shape. There is a weight difference that slightly alters the shape.
KEBXX2	Inconclusive	Can't determine due to hairstyles and the different angles towards the camera
KHWG47	Dissimilar	Perspective
L7ZVC2	Similar	Triangular shape of head is noticeable in both known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known head shape appears to be rounder, unknown appears to be more oval, width is wider in the unknown but could be due to weight
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Inconclusive	
PD3BCW	Similar	Both known and unknown are frontal images with a similar round facial contour., wide jawline
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears overall similar; overall shape of face appears dissimilar, appears longer in U.
PRMQFV	Dissimilar	The shape of the head appears to be more rounded on the known. The unknowns is more oval shaped.
PVM3BV	Similar	general shape of the face outline appears to be similar between subjects
PWHKDW	Dissimilar	Unknown's is a little longer. Face is wider in known
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	Head is more oval-shaped on the unknown image.
PY46H2	Dissimilar	unknown- fuller
Q49MUY	Similar	

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Image Set Q5: Table 4.5(b) - Face/Head Outline

WebCode	Observation	Feature Notes
QTWDAF	Similar	The face/head outline appears to be similar with a rounded cranial vault the cheek area appears thicker on both subjects. The chin/double chin is larger on the unknown however this is likely due to changes in weight.
QYFHZU	Similar	The overall shape and size are consistent but, there is a difference in age.
R273NE	Similar	Both known and unknown have similar head shapes despite head position different. Known has head tilted back, and unknown is straight on. Both's head shapes are widest in same area around mouth.
TBLBPC	Similar	
U6E77R	Similar	both have similar oval shape to face
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar heart-shaped face. Unknown head outline appears longer and wider, which could be expected with aging and weight gain (and potentially more hair volume in the crown).
XQMJNP	Dissimilar	Known face is round/ square in shape with a chin that is pronounced. Unknown has an oval face with a chin that is pronounced
XTNLEQ	Similar	The cranial vault and the overall facial shape share similarities in their contours (portrait profile)
XYERF8	[Not Reported]	Dissimilarities: Overall shape of the face (potentially due to weight gain) - Not comparable: Shape of the cranial vault (not visible)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Face/Head Outline	Total Participants: 60
Response	Percent Reported
Similar	30 (50.0%)
Dissimilar	21 (35.0%)
Inconclusive	7 (11.7%)
Unable to Compare	2 (3.3%)
Not Applicable	0 (0.0%)

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Image Set Q5: Table 4.5(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's eyes appear slightly more small relative to the other features of the face
34T74N	Similar	
3LFL7K	Similar	The face/head composition of the known and unknown appears similar with the spacing of the eyes, nose and mouth consistent between the two.
3M7MAM	Inconclusive	Considerable differences in facial posture.
4T9DRJ	Inconclusive	age difference and known is blurry
6JZ4ZJ	Similar	Width of mouth relative to eye distance Distance from nose to upper lip Distances from chin to lower lip
7B6GQY	Dissimilar	
7PHQBF	Similar	The distance from the eyebrows to the eyes appears to be similar between the probe and candidate. The distance from the eyes ro the nasal base appears to be similar between the probe and candidate. From the nasal base to the upper lip appears to be similar in distance between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Approximate width of the nose across the nostrils is wider on the Unknown than the Known. Approximate width of the mouth relative to eye distance is greater on the Unknown image than that of the Know image.
9GLTHW	Dissimilar	configuration, alignment, and size of the visible facial features are dissimilar with respect to each other and their location on the face, as known's are more evenly distributed and closely represent the ideal facial proportions, whereas unknown's are more centralized
9KFMFY	Similar	appears to have similar intercanthal distance; appears to have similar approx. distance from nasal tip to upper lip
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Eyes appear to be similar distance from the nasal root. Distance between the nasal tip and the top lip are similar
BZH38T	Dissimilar	The length of head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to the eyes, eyes to eyebrows, upper lip to nose base and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Face/Head Composition – Both subject's morphological features are contracted to the lower 3/4th of subjects' face and make use of the entire width of face. Spacing and distance between features are consistent correcting Unknowns proximity to camera and weight difference. .

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Image Set Q5: Table 4.5(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different in scale, distance and pose
FBEYWM	Dissimilar	
FZRJT8	Similar	The face/head composition is similar. The eyes, nose, and mouth are all of similar size and distance from eachother.
H2WQ96	Similar	Proportions/positions of features is similar.
HFB7XM	Similar	Similar composition, distance between eyebrows and eyes, distance between nasal base and mouth, distance between lower lips and chin.
HRQ6L4	Similar	features are similar in positioning relative to other features.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Intercanthal and interpupillary distances, overall nose shape, mouth fissure and chin dissimilar.
JL2M67	Similar	
K3KWNM	Similar	Features are placed in the center of the face. The nose is in a similar place on the face between the mouth and the eyes. The mouth is placed is a similar place between the nose and the chin.
KEBXX2	Similar	
KHWG47	Inconclusive	Perspective
L7ZVC2	Similar	Higher placed mouth in relation to face in both unk and known. Eyes similar in wide placement in known and unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance from eyes to mouth appears similar, distance from nose to mouth appears to be slightly further apart in the known but could be the quality, distance from mouth to chin appears to be longer in the known but could be angle/quality
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Unknown's facial features appear larger than known's facial features. The facial features are placed similarly and symmetrically on the facial plane.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Distance from mouth to chin relative to face length appears dissimilar; eyes appear farther down on face and nose appears closer together to mouth on U than K.
PRMQFV	Dissimilar	Nose to mouth distance appears to be longer on the known, possibly due to the difference in angles. Distance between the eyes is similar.
PVM3BV	Similar	general composition of the facial features appear to be consistent between subjects - relative shape and size of features appear similar when considering the age difference
PWHKDW	Dissimilar	Known appears to have smaller head.
PWYRHE	Unable To Compare	Cannot be compared

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Image Set Q5: Table 4.5(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	Relative distances between facial features seem different.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a consistent composition which is taller rather than wider.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, and mouth are consistent.
R273NE	Similar	Features are in similar positions relative to the other features in known and unknown.
TBLBPC	Similar	
U6E77R	Similar	similar distance between eyes, and nose to mouth
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar feature spacing and placement. Similar width of nose relative to eyes. Similar width of mouth relative to eyes. Similar distance from nose to upper lip.
XQMJNP	Similar	Features are spaced relatively similar on both subjects.
XTNLEQ	Similar	- Mouth width in relation to the space between the eyes - Length from the nose base to the top of the upper lip - Vertical distance from the chin to the lower lip
XYERF8	[Not Reported]	Similarities (overall): Approximate width of nose relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length, Eye position relative to face length - Dissimilarities: Approximate width of mouth relative to eye distances (potentially due to expression) - Not comparable: Ear position relative to eyes, nose, and mouth (obstructed)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Face/Head Composition

Total Participants: 60

Response	Percent Reported
Similar	34 (56.7%)
Dissimilar	16 (26.7%)
Inconclusive	8 (13.3%)
Unable to Compare	2 (3.3%)
Not Applicable	0 (0.0%)

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Image Set Q5: Table 4.5(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar hair texture and color; similar style with both individuals having bangs; unable to compare forehead and temporal peak hairline shape due to hair covering
34T74N	Similar	
3LFL7K	Similar	The hairstyle, color and length appear to similar on both despite age difference.
3M7MAM	Similar	Similar hairstyles with slight hair color variations.
4T9DRJ	Similar	similar color, similar texture and similar style
6JZ4ZJ	Similar	Same style same texture
7B6GQY	Similar	
7PHQBF	Similar	Hair color and hair style appears to be similar between the probe and candidate. Both images appear to have a bangs.
89T2WX	Similar	The hairstyle and hair color are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The hair line across the forehead is similar in both the Known and Unknown images as they both have bangs covering the forehead. The coloring of the unknown image appears lighter in color than that of the known. The known image has the sides of the hair tucked back behind the ears while the unknown does not.
9GLTHW	Dissimilar	medium brown hair color, straight type, and apparent silkiness are similar; length is dissimilar, but this could be attributed to grooming/ styling differences; style is relatively similar; known's appears to be significantly thicker, but this could be due to age or grooming differences, as hair can thin with age and also can appear thicker when shorter
9KFMFY	[Not Reported]	both appear to have similar darker color to hair; both appear to have relatively straight hair
9U4MPG	Similar	
AKVB9D	Similar	shoulder length with bangs, similar color and texture
B2Z6FC	Similar	Hair similar color and texture. Both have straight hair free of curls
BZH38T	Dissimilar	The hair color is dissimilar.
CKPXLT	Similar	Similar hair tone and style.
CUYZ8T	Similar	
D2QZYQ	Similar	similar color
DA6QFC	Similar	

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Image Set Q5: Table 4.5(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Hair – Hair length is past shoulders and brunette color is the same in subjects. Hair style includes bangs with straight texture seen in both parties. Density is inconsistent with Known appearing to have more body and Unknown appears to have fuller bangs since harldy any forehead is visible. These difference can be attributed to cut being slightly curved under in Known and more hair used in bangs of Unknown. Both subject's have bangs that extend past their eyebrows and similar natural hair part location possibly inline with left nasolabial fold.
EGYH2B	Inconclusive	
ELRHHR	Similar	same style and color
FBEYWM	Similar	
FZRJT8	Similar	Both the known and unknown have similar straight brown hair or similar texture.
H2WQ96	Similar	Color and texture are similar.
HFB7XM	Similar	Similar colour, texture and hairstyle.
HRQ6L4	Similar	similar color, length, and style.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is similar in length/color/texture. Unable to compare hairline due to hairstyle
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Hair similar color and texture. Forehead is obscured by hairline which included bangs in both known and unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known has shorter hair with bangs, unknown has longer hair with bangs, color is brown but darker in the unknown, hairline can't be determined due to hairstyle/length
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have medium-dark hair. The growth pattern, grooming and hairstyle of known and unknown images are consistent. Known and unknown images have straight, dark bangs covering the forehead and resting on/stopping at the brow ridge. . The hairline and bangs are styled similarly between the known and unknown images which could possibly due to an attempt to preserve a style that has been maintained over time.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Hair appears similar in style and darkness in color; appears somewhat dissimilar in texture/volume; cannot see hairline for comparison on either.

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Image Set Q5: Table 4.5(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Similar	Tone of the hair is similar. Fullness of the hair is similar. The texture of the hair appears to be similar. Both subjects have bangs. Unknowns hair is longer.
PVM3BV	Similar	hair color and texture appear to be similar between subjects. Style appears to be consistent as well
PWHKDW	Similar	straight, brown hair. both have similar part and long bangs
PWYRHE	Similar	Same in color and shape.
PX9LGZ	Similar	Similar texture and colour of the hair.
PY46H2	Inconclusive	Hair style
Q49MUY	Similar	
QTWDAF	Similar	The hair appears t bo be dark and fine on both subjects. There is a difference in length.
QYFHZU	Similar	Hair color and style are similar.
R273NE	Similar	Both have similar hair tones, despite image lighting difference. Known appears to have more lighter strands in her hair. Unknown has darker and more universal tone throughout. Both have similar textures and their hair comes down in similar waviness. Both have similar bangs but known is a little less bangs in middle.
TBLBPC	Similar	
U6E77R	Similar	similar bangs/style and color/texture
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar hair color, texture, thickness, and approximately the same style. Hairline is not visible for comparison.
XQMJNP	Similar	Both subjects have dark brown hair with bangs. Known hair is approximately shoulder length and has a slight "flip" / curl at the ends. Unknown hair is past shoulder length and appears straight.
XTNLEQ	Similar	Same style and same consistency
XYERF8	[Not Reported]	Similarities: Hair: texture, symmetry, density, tonality - Dissimilarities: Hair: shape/spatial distribution (potentially due to styling) - Not comparable: Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape, Cranial baldness pattern: shape, distribution (not visible)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q5 Hair		Total Participants: 60
Response	Percent Reported	
Similar	52 (86.7%)	
Dissimilar	4 (6.7%)	
Inconclusive	3 (5.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	1 (1.7%)	

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Image Set Q5: Table 4.5(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare sub-features due to hair covering
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Not visible.
3M7MAM	Unable To Compare	Partial forehead occlusion by hair.
4T9DRJ	Unable To Compare	not really visible on either
6JZ4ZJ	Inconclusive	Hair covering the forehead
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot compare due to hair covering the forehead
89T2WX	Unable To Compare	Obscured by bangs
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Inconclusive	The forehead of the known appears to be wider across than that of the known image, but this is difficult to determine with 100% confidence due to the bangs that cover the area.
9GLTHW	Unable To Compare	due to hair coverage
9KFMFY	Unable To Compare	unable to compare much detail of forehead due to being covered by bangs for both Known(1) and Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Inconclusive	hairstyles prohibit full comparison
B2Z6FC	Inconclusive	Hard to compare due to both being covered with hair. Unknown appears to have a taller forehead possibly due to angle of known.
BZH38T	Unable To Compare	The forehead cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Hair limits forehead visibility and assessment in both the Known and Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	bangs in both images
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Forehead – Due to bangs covering forehead of both subject's this feature is obscured hindering view, preventing analysis for comparison. Based on bang length it appears that forehead length is similar but cannot be confirmed
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible because it is covered with hair
FBEYWM	Unable To Compare	Both covered with bangs
FZRJT8	Unable To Compare	Both of their foreheads are obscured by their hair

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Image Set Q5: Table 4.5(e) - Forehead

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Both known and unknown have bangs covering forehead.
HFB7XM	Unable To Compare	Height seems similar.
HRQ6L4	Similar	mostly obscured by hair; appears similar in prominence.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Unknown mostly obscured by hair.
JL2M67	Inconclusive	
K3KWNM	Unable To Compare	Unable to compare due to hairstyle.
KEBXX2	Unable To Compare	Bangs obscure forehead
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Unable to compare forehead due to hairstyle.
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	can’t be compared due to bangs on both
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Inconclusive	The forehead of the unknown image is more narrow and higher than the known image.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Forehead unable to compare, brow ridges appear more prominent in U.
PRMQFV	Unable To Compare	Unable to compare, covered on both known and unknown.
PVM3BV	Unable To Compare	forehead of unknown is not visible due to the hair style covering it
PWHKDW	Similar	high forehead in both although obscured by bangs. both have similar part
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Unable To Compare	Covered by hair and thus unable to compare.
PY46H2	Inconclusive	Covered by hair- similar length
Q49MUY	Similar	
QTWDAF	Inconclusive	the foreheads are likely a similar size however the hairstyle on both is covering the majority of it.
QYFHZU	Similar	The forehead shape is similar in height and width but, there is a difference in age.
R273NE	Unable To Compare	Unable to see much of foreheads in either due to bangs.
TBLBPC	Unable To Compare	

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Image Set Q5: Table 4.5(e) - Forehead

WebCode	Observation	Feature Notes
U6E77R	Similar	both have large foreheads
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Unknown and Known have bangs that are obscuring the forehead. It appears as though the forehead length relative to the head length is longer in the Unknown than the Known, however I am inconclusive given the additional variables impacting the Known (different pitch, different angle, different age, and not knowing where the top of either forehead starts). The brow ridge appears more prominent in the Unknown, but the Known's brow ridge appearance is being impacted by image quality and different age.
XQMJNP	Inconclusive	Both subjects have bangs covering the forehead; nothing of significance can be noted.
XTNLEQ	Inconclusive	The eyebrow is covered by hair
XYERF8	[Not Reported]	Similarities: Brow ridges: prominence, continuity (visible portions) - Not comparable: Forehead shape: relative height, relative width, slope/contour (not visible)
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Forehead	Total Participants: 61
Response	Percent Reported
Similar	5 (8.2%)
Dissimilar	0 (0.0%)
Inconclusive	13 (21.3%)
Unable to Compare	40 (65.6%)
Not Applicable	3 (4.9%)

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Image Set Q5: Table 4.5(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to fully compare due to hair covering; from what is visible the shape and thickness appears different; the medial distance between appears different, but difficult to definitively tell due to hair covering
34T74N	Dissimilar	
3LFL7K	Inconclusive	The eyebrows aren't fully visible, but the known has thinner eyebrows than unknown. Age difference may be a factor. The color is similar.
3M7MAM	Dissimilar	Different eyebrow shapes.
4T9DRJ	Dissimilar	much thinner eyebrows on known than unknown.
6JZ4ZJ	Unable To Compare	Hair covering the eyebrows
7B6GQY	Not Applicable	
7PHQBF	Similar	Eyebrows look to have a similar growth pattern and thickness appears to be similar between the probe and candidate.
89T2WX	Inconclusive	Partially obscured by bangs, with a certain difference in width
8FP3RH	Dissimilar	
8ZX32H	Unable To Compare	
93ZDEX	Dissimilar	The known's brows appear darker in color and thinner than that of the unknown image. The distance from under the brow to the upper eye lid appears greater in the known image than that of the unknown.
9GLTHW	Dissimilar	majority of unknown's are covered by the bangs, however what is visible indicates that they are thicker, asymmetric in density (become sparse as lateral ends are approached), shorter, and angular in shape, whereas known's are thinner, more uniform in growth distribution, longer, and possess a slight curved shape; even when factoring in pitch difference, known's are positioned further above the eyes; approx. distance between the medial ends appears to be similar
9KFMFY	Similar	what is visible of lower curve of left/right eyebrows appears to follow similar curve; parts of eyebrows hidden by bangs for Known(1)/Unknown(2)
9U4MPG	Inconclusive	Appear a bit thinner and longer in known, but hard to compare due partly hidden by hair and low image quality in known. Diff explainable by time
AKVB9D	Inconclusive	hairstyles prohibit full comparison
B2Z6FC	Dissimilar	Known has thinner eyebrows possibly due to grooming.
BZH38T	Dissimilar	The shape and the thickness of the eyebrows are dissimilar.
CKPXLT	Dissimilar	Dissimilar eyebrows shape and size.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	thicker in unknown
DA6QFC	Inconclusive	

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Image Set Q5: Table 4.5(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Eyebrows – Distance between brows possibly similar due to the angle in which image was taken and pose position of subject it is difficult to confirm. Known has straight eyebrows that are thin while Unknown has thicker curved eyebrows with hair that is evenly distributed hair throughout. Distance between brows possibly similar. Due to bangs covering forehead of both subject's preventing proper comparison of feature.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible because they are covered with hair
FBEYWM	Unable To Compare	
FZRJT8	Dissimilar	Both of their eyebrows are partially obscured by their hair. The known's eyebrows appear thin, and the unknown's eyebrows appear to be thicker
H2WQ96	Dissimilar	Eyebrows are partially covered in both, but unknown's eyebrows appear fuller despite unknown appearing older than the known. Also the distance between the medial eyebrows appears wider in the known.
HFB7XM	Similar	Similar shape and position.
HRQ6L4	Dissimilar	partially obscured by hair; similar color; dissimilar thickness
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Similar in color, dissimilar in texture and shape.
JL2M67	Inconclusive	
K3KWNM	Unable To Compare	Eyebrows are in a similar location. They are not similar in thickness. Unable to compare shape due to hairstyle.
KEBXX2	Inconclusive	Known's seem thinner band and like they start further from the nose but bangs obscure parts of the eyebrows on both
KHWG47	Unable To Compare	
L7ZVC2	Similar	Eyebrows relatively obscured by hairstyle but known and unk have dark coloring and heavier eyebrows that seem to begin at intercanthal folds on both known and unk. (sim
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is similar, unknown appears to have thicker eyebrows, distance apart appears to be further apart in the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-res known
PD3BCW	Dissimilar	Known's eyebrows are thinner and flatter in shape, with a subtle upward slant from to lateral ends. Unknown's eyebrows are significantly thicker with a more consistent, natural arch, peaking closer to the outer third of the brow. The eyebrows on the unknown image are symmetrical and defined. Unknown's eyebrows are partially covered with straight, dark bangs from the top of the head. The distance between the eyebrows appears consistent. And there's similar spacing between the medial canthi.
PGNVGZ	Dissimilar	

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Image Set Q5: Table 4.5(f) - Eyebrows

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Eyebrows appear dissimilar in shape/thickness/density/hair details from what is visible.
PRMQFV	Dissimilar	Eyebrows are partly covered on known and unknown. The unknowns eyebrows are thicker. The tails of the eyebrows end in similar locations. Unknowns eyebrows appear to be closer together.
PVM3BV	Similar	eyebrows of unknown are obscured by the hair, the color of the brows appears to be similar. Thickness may differ, could be result of age difference
PWHKDW	Dissimilar	thicker eyebrows in unknown, but this could be age difference. Thinner in known and longer.
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	Known has narrow eyebrows. Unknown has wider eyebrows. Texture seems different.
PY46H2	Dissimilar	unknown- wider, arched (time/grooming?)
Q49MUY	Similar	
QTWDAF	Inconclusive	The brows appear to be thicker on the unknown however this could be due to aging or grooming. The olor of the brows appears similar.
QYFHZU	Similar	The eyebrows are the same color, shape, and size.
R273NE	Similar	Known and unknown has similar starting positions of brows at medial ends. Some of both's brows are covered by bangs. Known appears to have thinner brows and appear to downturns going toward lateral ends. Unknown's appear to go more straight acrossor peak up slightly going toward lateral ends. I believe this could be due to head tilt differences and age, as known is younger than unknown.
TBLBPC	Dissimilar	
U6E77R	Similar	horizontal end position of lateral eyebrow relative to the lateral canthus is similar distance. Vertical end position of medial eyebrow relative to the medial canthus is similar distance.
U778AU	Inconclusive	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Eyebrows are partially obscured by hair and there is limited area in common for comparison. Unknown eyebrows are wider/thicker. Somewhat similar distance from eye fissures. It appears as though the lateral eyebrow vertical end position relative to the medial eyebrow vertical position is lower in the Known while the Unknown's are not tilted as much (different head pitches and different expressions could potentially be contributing to this dissimilarity). Known's right medial eyebrow appears flat in shape while the left medial eyebrow tapers).
XQMJNP	Inconclusive	Known eyebrows appear to be slightly thinner and less bushy than unknown. Unknown eyebrows are mostly covered by the bangs.
XTNLEQ	Unable To Compare	The eyebrow is covered by hair
XYERF8	[Not Reported]	Dissimilarities (visible portions): Shape, Size, Position, Density of hair, Hair details - Not comparable: Conjoined, Asymmetry (not observed/visible in one or both)

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Image Set Q5: Table 4.5(f) - Eyebrows

WebCode	Observation	Feature Notes
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q5 Eyebrows

Total Participants: 61

Response	Percent Reported
Similar	9 (14.8%)
Dissimilar	24 (39.3%)
Inconclusive	14 (23.0%)
Unable to Compare	12 (19.7%)
Not Applicable	2 (3.3%)

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Image Set Q5: Table 4.5(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the overall shape of the eyes appears different with the unknown having more rounded eyes compared to more thin shaped/pointed eyes; the distance between the eyes and eyebrows appears different with the unknown's distance appearing shorter; the unknown's medial canthi appear to slant downwards where the known's appear to be shaped more flat; the unknown has more prominent inferior palpebral creases, but could be due to apparent age difference
34T74N	Similar	
3LFL7K	Inconclusive	The eyes of the known subject are narrow in height and creases aren't fully visible due to blurriness. The known subject also has narrow eyes in height, but shows creases below the eyes and folds on the eyelids.
3M7MAM	Dissimilar	Variations in lower eyelid protrusion.
4T9DRJ	Dissimilar	the eye fissures of unknown turn downward and seem to go more inward in the medial canthus areas. Possibly different color. eyes, unknown looks blue and known can't really tell but looks brown on left eye.
6JZ4ZJ	Similar	Overall shape, size, position
7B6GQY	Similar	
7PHQBF	[Not Reported]	The overall shape of the eyes appears to be similar between the probe and candidate. The shape of the medial canthus of the eyes appear to be consistent. As well as the shape of the lateral canthus between the probe and canddiate.
89T2WX	Similar	The interpupillary distance, eye width, and eye shape are similar
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The unknown has very minimal eye crease and it appears round while the known has a wider lid crease that appears slightly at an angle as the crease nears the bridge of the nose. The canthus shape of the unknown appears pointy and pointing downwards while the knowns appear not as pointy and more perpendicular. The outer corners of the eyes are more pointy/squinty on that of the known image. Creases under the eyes are not consistent. The Unknown image has a "fatty" roll/bag under each bottom eye lid while the known has a dark/discolored crease under both of eyes.
9GLTHW	Dissimilar	approx. intercanthal distance is similar, however the degree of hoodedness is dissimilar, as unknown's are almost completely hooded, whereas known's are not; small size of the eyes is similar, however shape is completely dissimilar, as known's come to a point at the lateral canthi, whereas unknown's come to a point at the medial canthi, also the curvature of the known's upper eyelid is greater than known's; relatively linear shape of lower lids is similar; inferior palpebral and infraorbital creases are dissimilar in shape, length, prominence, and proximity to the eyes, however age difference could account for the difference in prominence; area beneath unknown's eyes is darker and thicker, but this could be attributed to age and weight difference
9KFMFY	Similar	difficult to compare smaller details of eyes due to quality of Known(1); appears to have similar angle/shape to right medial canthus; appears to have similar narrow shape to overall eye opening; appears to have similar angle of right lateral canthus relative to right medial canthus
9U4MPG	Inconclusive	

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Image Set Q5: Table 4.5(g) - Eyes

WebCode	Observation	Feature Notes
AKVB9D	Similar	narrow fissure,
B2Z6FC	Dissimilar	Unknown appears to have canthus on both eyes that slant downward. Known has an eye fissure that is thinner on the lateral sides.
BZH38T	Dissimilar	The shape of the eyes and the eye size are dissimilar.
CKPXLT	Dissimilar	Dissimilar eye and fissure shape and size, iris tone, iris diameter relative to eye opening and superior palpebral crease placement.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	eye shape/opening dissimilar
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Eyes – Known is squinting, at an angle, in a poorly lit image which preventing proper analysis of eye. Spacing between eyebrows and eyelids are the same as is the size and shape of lower eyelids. Subjects have bird beak shaped right medial canthus; superior palpebral crease of left eye start in same deep pocket. Overall eye shape & fissure is similar with a raise left lower eyelid near lateral cantus. Inferior palpebral crease similar in both subject's right eye however Knowns pose angles hinders view of left . Unknown has a significant amount of creases seen around eyes that are not visible in Known which may be a result of aging.
EGYH2B	Similar	
ELRHHR	Inconclusive	for known profile, lens and pupil eye color are not visible
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known's eyes have a glare from the camera, but it appears her eyes are slightly brown. The unknown's eyes appear blue or grey.
H2WQ96	Dissimilar	The unknown seems to have a heavier brow ridge nearly covering the upper eyelids. This does not seem the case with the known.
HFB7XM	Similar	Similar position and size. Known's eyes appear to be broader medial on the eyes.
HRQ6L4	Similar	similar spatial positioning, similar contour of eye fissures; eye color of known image has red-eye effect.
HUCPQ8	Unable To Compare	
HYQFYM	Inconclusive	Upper eyelids and superior palpebral creases dissimilar.
JL2M67	Inconclusive	
K3KWNM	Similar	Eyes are placed in a similar location. They are a similar distance apart. Eyes are similar in dark color. Known has red dots. Superior palpebral crease is similar in location/shape. Inferior palpebral crease is similar in shape/location
KEBXX2	Inconclusive	Due to known's angle towards the camera and overall lower resolution of the image
KHWG47	Unable To Compare	
L7ZVC2	Similar	Eye coloring not fully visible or clear in known due to poor photo quality. Eyes are symmetrical and centered in similar fashion between known and unk. Angles are visible but epithelial folding less visible in known due to lesser photo quality. (sim)

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Image Set Q5: Table 4.5(g) - Eyes

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	both have narrow eyes, can't determine color due to redness of the known, sclera appears to be somewhat similar, inferior palpebral creases are dissimilar, crows feet are visible in the unknown but not the known – could be quality or age, medial canthus slants downward in the unknown where in the known it looks straight across.
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Both unknown and known subjects show a similar horizontal palpable fissure. And the epicanthic fold is not prominent in either subject. The unknown image is a high resolution image which is allowing clear observation of the details, such as the skin texture, wrinkles and eyelashes. The unknown image shows, visible crows feet and common signs of aging that aren't apparent in the known image. The unknown image shows increased skin texture fine lines, indicative of mature skin. The known image appears to have smoother skin, could be due to the poor resolution of the image but is likely due to the younger age.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Periorbital eyelids appear larger in size in K, upper lip appears larger in K; shape of eyes appear dissimilar; lateral canthi appear farther extended and downward in K; medial canthi appear more pointed in U; infraorbital creases appear similar in location, dissimilar in shape/prominence; intercanthal distance appears wider in K.
PRMQFV	Dissimilar	The shape of the eyes appear to be dissimilar. The unknown has a fold over the upper eyelid, not found on the known. Left and right medial canthus is more pointed on the unknown.
PVM3BV	Dissimilar	the quality of the known around the eyes is relatively low, the general shape of the eyes appears to differ with the known appearing to have a more rounded medial canthus and a thin pointed lateral canthus - the unknown appears to have more prominent palpebral creases above and below the eye
PWHKDW	Inconclusive	Both appear to have brown eyes. Shape of eye is different - known is more teardrop and unk's are rounded.
PWYRHE	Unable To Compare	There is a similarity at the endocantion point on the right side of the eyeball
PX9LGZ	Dissimilar	The shape of the eyes is different - the medial canthus of the unknown seems rather sharp, whereas it seems more round-shaped on the known image. The upper eyelids on the unknown image are hooded.
PY46H2	Inconclusive	unknown- rounder, with heavier lids (time?)
Q49MUY	Similar	
QTWDAF	Similar	The eyes appear to have a similar intercanthal distance. The fissure shape is likely similar however there is an expression change. There is a faint inferior palpebral crease that is visible on the known which appears to be similar with differences in thickness which is likely due to weight/aging.
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure and medial canthus is similar. The upper and lower eyelids are similar with the inferior palpebral crease in common.

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Image Set Q5: Table 4.5(g) - Eyes

WebCode	Observation	Feature Notes
R273NE	Similar	Eye size are similar bwteen the two. Eye shapes appear a little different due to head positions and known appears to be slightly squinting. Unknown has more adipose around her eyes also which could change eye shape. Interpupillary distance is similar between two. Under eye lines are similar in position and curvature
TBLBPC	Unable To Compare	head position and resolution of known pic
U6E77R	Similar	intercanthal distance is similar. So is shape of the eyes.
U778AU	Similar	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Intercanthal distance is somewhat similar. Eye fissures appear somewhat dissimilar; Unknown's eye shape is more tapered at the medial side and opens wider towards the lateral side, Known's eye shape is wider at the medial side and tapers near the lateral side (neither subject has neutral eye positions – squinting in the Unknown, and a positive head pitch with slight downward gaze in the Known could be impacting eye fissure shapes). Unable to clearly compare superior palpebral furrow. Unknown has hooded eyelids. Inferior palpebral creases, lower eyelids, and infraorbital furrows are somewhat similar (difficult to see lines in Known's undereye area). Similar limited sclera visibility.
XQMJNP	Dissimilar	Known eyes are small but appear rounded near the inner side and come to a point at the outer side. Unknown eyes are also small but appear to come to a point at both the inner and outer sides.
XTNLEQ	Similar	General form, dimensions, placement
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Interpupillary distance, Upper eyelid: position in relation to iris/pupil, Lateral canthus: shape, angle, Asymmetry, Sclera: visibility, Iris: diameter relative to eye opening, position relative to eye opening (overall appearance) – Dissimilarities: Eye fissure opening: shape, angle, Lower eyelid: visibility of inferior palpebral crease, visibility of the infraorbital furrow (potentially due to pose and expression) - Not comparable: Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, lash characteristics, Lower eyelid: prominence, protrusion, position in relation to iris/pupil, lash characteristics, Eyeball prominence, Iris: visibility, irregularity of iris, Medial canthus: caruncle, shape, angle (limited visibility - lighting/image quality)
XYJ9D7	Inconclusive	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

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Features Observations Response Summary - Q5 Eyes		Total Participants: 60
Response	Percent Reported	
Similar	18 (30.0%)	
Dissimilar	19 (31.7%)	
Inconclusive	18 (30.0%)	
Unable to Compare	5 (8.3%)	
Not Applicable	0 (0.0%)	

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Image Set Q5: Table 4.5(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar fullness to upper portions of cheeks, but the known's lower cheeks appear slightly more full
34T74N	Similar	
3LFL7K	Similar	The cheeks are consistently full on both subjects, despite an age and weight difference.
3M7MAM	Inconclusive	Significant facial angular variations.
4T9DRJ	Dissimilar	unknown has puffy cheeks, deep creases next to nose down around mouth
6JZ4ZJ	Similar	Similar shape
7B6GQY	Similar	
7PHQBF	[Not Reported]	The overall shape of the cheeks appears to be similar between the probe and candidate. The fullness of the cheeks looks to consistent between the probe and candidate.
89T2WX	Inconclusive	The degree of obesity is different, and no obvious prominence of the cheekbones
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The known has high rounded cheeks in the "apple" area while the unknown's cheeks appear heavy and weighted. Almost sagging down towards the chin area. The Unknown image has nasal creases that are deep and distinct while the known image has lighter less distinct creases.
9GLTHW	Similar	shape, size, and fullness are similar; high cheekbone placement, rounded shape, and prominence appear to be similar; unknown has a larger skin-toned pigmented, round, raised facial mark and flat brow facial mark in a linear formation on the right cheek that is not present/ visible on known, but this could be due to differences in age, sun exposure, or lighting concealing the mark
9KFMFY	Similar	both appear to have similar shape/fullness of cheeks
9U4MPG	Similar	
AKVB9D	Similar	full, rounded
B2Z6FC	Inconclusive	Unknown has a facial mark on the upper right cheek and a freckle on the lower left cheek. Both have cheeks of similar shape and prominence.
BZH38T	Dissimilar	The cheek shape around the cheekbone area is dissimilar.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	flatter in unknown image, higher in known, marks throughout both images which do not appear consistent in location/relationship between the two images
DA6QFC	Similar	

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Image Set Q5: Table 4.5(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Cheeks – Subject's have similar nasolabial fold angles but dissimilarities in appearance Unknowns is more pronounced. Consistent full cheeks seen in both subjects with Unknown having 2 freckles, moles, and/or marks on right cheekbone that are not present in Known
EGYH2B	Dissimilar	
ELRHHR	Inconclusive	different in shape and fat distribution
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	There is a weight difference between the two, but the cheeks of the known appear smaller than the unknown's. The known has a facial mark on her right cheek that the known does not have
H2WQ96	Similar	Both have full cheeks.
HFB7XM	Similar	Similar shape.
HRQ6L4	Similar	similar contour and prominence; slightly fuller in unk image.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in texture and fullness.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in shape/size/location/prominence.
KEBXX2	Dissimilar	Possibly due to weight differences and different angles towards the camera
KHWG47	Similar	
L7ZVC2	Similar	Full cheeks and high cheekbones in both known and unk. Nasolabial fold definition which border the cheeks in the unk is more than in known. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks are fuller in the unknown, length appears to be longer in the unknown, marks on the cheeks in the unknown are not visible in the known, mark on the upper right cheek of known is not visible in unknown
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Inconclusive	
PD3BCW	Similar	Although known has a wide, open mouthed smile, unknown's cheeks appear higher than known's cheeks. Unknown also has faint freckle-like marks scattered around the outer and lower portion of the cheeks that is not visible on the known image.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Cheekbones appear similar in prominence, appears to be a protrusion in right cheek of K not visible in U, may be due to angle; soft tissue appears dissimilar in distribution, may be due to weight change. Facial marks on right cheekbone and left cheek of U not visible in K, may be due to image quality/time.
PRMQFV	Similar	Fullness of the cheeks are similar. Prominence of the cheeks are similar.

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Image Set Q5: Table 4.5(h) - Cheeks

WebCode	Observation	Feature Notes
PVM3BV	Similar	general fullness of the cheeks appear to be similar between subjects
PWHKDW	Inconclusive	cheeks are higher in known, but this could be due to age difference
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Similar	Both have chubby cheeks.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Similar	The cheeks appear to be large on both subjects. The upper portion of the cheeks appears fuller than the lower on both subjects. The wide smile on both gives a similar indention to the cheeks.
QYFHZU	Similar	
R273NE	Similar	Both have very distinct dimpling coming from each side of mouth. Similar shapes and size of both cheeks above these indentions.
TBLBPC	Similar	
U6E77R	Similar	similar shape to cheeks
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar cheek shape, mostly similar fullness.
XQMJNP	Dissimilar	Both subjects have full cheeks; both subjects have a wide smile. Known cheeks stay within the square face shape. Unknown cheeks protrude slightly from the oval shape ; this could be due to weight.
XTNLEQ	Similar	Resembling shape
XYERF8	[Not Reported]	Similarities: Cheekbone prominence - Dissimilarities include: Cheek shape (potentially due to expression/head angle) - Not comparable: Dimples (not visible/observed)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Cheeks

Total Participants: 59

Response	Percent Reported
Similar	32 (54.2%)
Dissimilar	12 (20.3%)
Inconclusive	13 (22.0%)
Unable to Compare	2 (3.4%)
Not Applicable	0 (0.0%)

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Image Set Q5: Table 4.5(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown appears to have a slightly wider and more defined nasal root with a more prominent nasion crease visible; the known appears to have a more narrow and defined nasal bridge; the nasal tip appears to be similar in relative width, but appears to be slightly more bulbous/pointed shaped in the known; the nasal alae shape and attachment appears different; the unknown appears to have a thinner and more prominent/downward protruding nasal base/columella; the unknown has more prominent vertically shaped nasolabial folds
34T74N	Inconclusive	
3LFL7K	Similar	For both, the nostrils, nasal base, width and length of the noses are similar. The tip of the unknown subject's nose appears larger, but may be due to weight difference.
3M7MAM	Inconclusive	Significant facial angular variations.
4T9DRJ	Dissimilar	nose of unknown is larger, angle makes the nose hard to compare. The known is more angular and thinner. The columella of the unknown seems to be closer to the top of the mouth than the known and also seems wider on known than on unknown.
6JZ4ZJ	Similar	Nasal base, tip, body
7B6GQY	Inconclusive	
7PHQBF	Similar	Both the probe and candidate appear to have a short nasal body as well as a wide nasal body. The shape of the nostrils appears to be consistent between the two images. The shape of the alae looks to be similar. The shape of the nostrils appears to be similar between the probe and candidate. The width of the nasal root appears to be similar between the two images.
89T2WX	Similar	The angles are different, but the shapes are similar
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The bridge of the nose width and length appear different. The known image is less wide all over while the unknown is wider through the bridge and more rounded. The tip of the nose on the unknown appears more bulbous and the columella appears weighted and appears to be hanging downwards while the bulb of the known image is smaller and not heavy looking. The nostril shape of the unknown appears elongated while the knowns are smaller and more round in appearance.

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Image Set Q5: Table 4.5(i) - Nose

WebCode	Observation	Feature Notes
9GLTHW	Dissimilar	small degree of protrusion is similar, however overall shape and size are completely dissimilar; width and depth of nasal root are dissimilar, as unknown's appears to be wider and shallower; width of nasal body is dissimilar, as known's is narrower, however compact length is similar; nasal tip is dissimilar in shape and size, as unknown's is larger and more bulbous in shape; columella shape is dissimilar, as known's appears to be rounded whereas unknown's is more squared "u" shape; nasal base is dissimilar as known's is not as wide, alas are rounded, thicker, and attach in a relatively level alignment with the columella, and nostrils are small and rounded in shape, whereas unknown's alas are more of an elongated shape and attach above the columella, causing the nostrils to be angular in alignment, and the nostrils are larger and more elongated; nasolabial folds are dissimilar in shape, length, prominence, and proximity, as known's are shorter, less prominent (though this could be due to quality and lighting), and angular in shape, whereas unknown's are relatively linear in shape with a slight curve around the corners of the mouth, which connect with the marionette lines and extend far beyond the mouth, are more prominent (which could be attributed to weight difference), and are closer to the mouth
9KFMFY	Similar	appears to have similar overall shape of nasal body; appears to have similar shape of nasal tip; appears to have similar curve/thickness of left/right ala; appears to have similar width to nasal base
9U4MPG	Inconclusive	Different angles make it difficult to compare
AKVB9D	Inconclusive	image quality, head angle limit comparison
B2Z6FC	Similar	Similar length nasal body. Similar width columella.
BZH38T	Dissimilar	The shape of the nasal tip is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose body, tip, columella, nostrils and alae shape and size.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	difficult due to angle of capture of known, marks near nostril in unknown that does not appear in known
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Nose – Similar length and width of nasal body in subjects with rounded nasal tip that protrudes. Triangle shaped columella appears to protrude only in Known possibly due to pitch difference, and over exposure of Unknowns image. Both subject alas are consistent in shape and size but the nasal body appears larger overall in Unknown
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, geometric shape
FBEYWM	Inconclusive	
FZRJT8	Inconclusive	The overall size of the nasal body appears similar. The columella of the unknown appears to be much lower than her la than the known's, but the known's head is leaned backwards slightly
H2WQ96	Dissimilar	Unknown's nasal body appears wider than the known's.
HFB7XM	Similar	Similar shape of the nasal tip, nasal root and nasal body. Unknown's nasal tip appears slightly larger – aging, camera position, facial expression and etc could explain this difference.

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Image Set Q5: Table 4.5(i) - Nose

WebCode	Observation	Feature Notes
HRQ6L4	Similar	nasal root and body similar in prominence, width, and length; alae similar width and contour; nasal tip slightly larger in unk image - possibly due to pose.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in overall size and shape.
JL2M67	Inconclusive	
K3KWNM	Similar	Nasal tip is similar in size/shape. Ala are similar in shape. Nostrils are similar in size/shape/location. Nasolabial folds are similar in length/location/shape/contour.
KEBXX2	Inconclusive	Due to known's angle towards camera
KHWG47	Dissimilar	Time Difference
L7ZVC2	Similar	Nose has larger bulb in unknown but is relatively same proportion as in known. Lesser quality of known photo makes dimensions slightly distorted (?) Ala and nasal root wide and exhibit same proportions in known and unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	nasal root appears to be wider in the unknown, nasion crease is visible in the unknown but not the known – could be quality/age, length appears to be similar, nasal base appears wider in the unknown, tip of nose appears wider in the unknown, nostrils appear larger in the unknown, mark on the bridge of nose in the unknown that is not visible in the known, nasolabial folds are visible in both but don't appear to be similar, what appears to be a mark/scar on the right nasolabial fold in the unknown is not visible in the known
LQZ4DH	Dissimilar	Nasal body
P6CLXG	Dissimilar	Low-res known; age & weight
PD3BCW	Dissimilar	The nasal bridge of the known image appears flatter and less defined, possibly due to qualities present during youth or poor image quality. The tip of known's nose appears more rounded and less defined, consistent with the proportions of a child's face. Unknown's nasal bridge is more pronounced and elevated, indicative of changes to the nasal structure as it matures with age. The nasal tip of the unknown images shows greater definition and slight downward orientation which is consistent with adult nasal development. The columella of the known image is blurred and it is difficult to see details. The nostrils of the unknown image are partially visible with a slight flare.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasal root appears more protruded in U, nasal body appears longer in U; nasal tip appears dissimilar in shape and width; columella appears dissimilar in width and protrusion; nostrils appear larger in U and nasal base appears wider; distance between nasal base and upper lip appears longer in K, may be due to pose.
PRMQFV	Dissimilar	Length of the nasal body is similar. Unknowns nasal body is wider. Tip of the nose appears to be more bulbous on the known. Columella appears to be thicker on the known. Possibly due to the difference in angles.

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Image Set Q5: Table 4.5(i) - Nose

WebCode	Observation	Feature Notes
PVM3BV	Similar	quality and angle difference makes an accurate comparison difficult. The general shape of the nose appears to be similar, angle as which the nasolabial folds connect from mouth to nose appear consistent,
PWHKDW	Inconclusive	nasolabial lines are different, but weight and age difference could be reason. Both have shorter nose bridges.
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	The relative size and length of the nose seem different. Also the tip and base of the none seem different.
PY46H2	Inconclusive	perspective difference
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be indented and wide on both subjects. The nasal body appears to be sider on the unknown however this could be due to weight, angle, etc. The nasal tip appears to be bulbous on both subjects - moreso on the unknown however that is likely due to aging./changes in weight. The nostrils appear to be wide on both subjects.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	Similar width and indention at nasal root in both. Similar length of nose. Similar width down through body of nose in both. Ala shapes, nasal tip shapes and columella shape is all similar in known and unknown.
TBLBPC	Unable To Compare	head position
U6E77R	Similar	nasal root has similar width, both have shore length to nasal body. columella is similar width.
U778AU	Inconclusive	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Noses are being compared at different pitches. Overall shape is somewhat similar. Wide nasal root, wide/low nasal body, and rounded nasal tip are similar. Rounded thicker alae are similar. Similar nostril shapes (oval and not very thick). Likely somewhat similar thick columella. Alae attachment to upper lip distance is similar.
XQMJNP	Dissimilar	Both subjects have a shorter nose. Known has some head tilt/ angle. Unknown nose appears to be larger--overall bridge size, tip of nose, and nostrils.
XTNLEQ	Similar	Thick base, tip, form
XYERF8	[Not Reported]	Similarities (visible portions): Nasal outline: shape, length, width, prominence, Nasal root: width, length, shape, depth, angle, Nasal body: width, length, shape, Nasal base: height - Dissimilarities: Nasal tip: shape, angle, Nasal body: angle, contour, Nostrils: shape, size (potentially due to pose) - Not comparable: Nasal base: height, Nasal alae: thickness, shape, Columella: width, length, relative position, Asymmetry and deviation, Nostrils: hair (not visible/observed/pose)
XYJ9D7	Similar	
YGARYR	Inconclusive	

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Image Set Q5: Table 4.5(i) - Nose

WebCode	Observation	Feature Notes
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Nose		Total Participants: 61
Response	Percent Reported	
Similar	19 (31.1%)	
Dissimilar	19 (31.1%)	
Inconclusive	19 (31.1%)	
Unable to Compare	4 (6.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q5: Table 4.5(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to known hair covering and partially comparable in unknown with right ear visible, but left not
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Unknown's ears aren't visible.
3M7MAM	Unable To Compare	Complete ear occlusion by hair in unknown person.
4T9DRJ	Unable To Compare	
6JZ4ZJ	Unable To Compare	Hair covers the ears
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot compare
89T2WX	Unable To Compare	
8FP3RH	Unable To Compare	
8ZX32H	Inconclusive	
93ZDEX	Unable To Compare	The ears of the unknown are not visible.
9GLTHW	Unable To Compare	due to hair coverage
9KFMFY	Unable To Compare	unable to compare details of ears due to being hidden by hair for Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	only known image right ear visible but low image quality limits observation
B2Z6FC	Unable To Compare	
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Hair limits ears visibility and assessment in the Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	not visible in unknown
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	Ears – Unknown has protruding antitragus with a large thick detached earlobe. Due to Unknown's hair ears are not fully visible proper analysis for further comparison. Unknows hair is also obscuring view of subjects ears hindering comparison beyond what appears to be a pierced left ear
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	for unknown profile, they are not visible
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The unknown's ears are completely obscured by her hair.

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Image Set Q5: Table 4.5(j) - Ears

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Unknown's ears are covered by hair.
HFB7XM	Unable To Compare	
HRQ6L4	Unable To Compare	not visible in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Unknown obscured by hair.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	Unable to compare due to hairstyle.
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Unable to compare due to hairstyle in unknown completely obscures ears.
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	ears are covered in the unknown therefore cannot be compared
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Unable To Compare	The sides of unknown's head, including the ears, are covered with long straight hair. Unknown's ears are not visible for comparison
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Unable to compare, not visible in U.
PRMQFV	Unable To Compare	Unable to compare, not visible on the unknown
PVM3BV	Unable To Compare	ears of the unknown are not visible for comparison
PWHKDW	Unable To Compare	Ears covered in unk
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Unable To Compare	
PY46H2	Unable To Compare	covered on unknown
Q49MUY	Inconclusive	
QTWDAF	Unable To Compare	not able to be compared due to obstruction.
QYFHZU	Unable To Compare	Unable to compare. Ears are not visible in the unknown.
R273NE	Unable To Compare	Unable to see ears of unknown due to hair. Can only see right ear and top of left ear of known due to head positioning.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	not showing in unk picture

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Image Set Q5: Table 4.5(j) - Ears

WebCode	Observation	Feature Notes
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Ears are not visible in the Unknown for comparison.
XQMJNP	Unable To Compare	Known right ear is visible. Unknown ears are covered by hair.
XTNLEQ	Unable To Compare	the ears covered by hair
XYERF8	[Not Reported]	Ears not visible/obstructed in Q1
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q5 Ears

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	0 (0.0%)
Inconclusive	4 (6.6%)
Unable to Compare	53 (86.9%)
Not Applicable	4 (6.6%)

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Image Set Q5: Table 4.5(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar overall mouth size; similar upper lip thickness, but unable to fully compare shape due to image quality issues; similar lower lip thickness; the unknown has more prominent upper circumoral striae and buccal creases; the upper teeth are present in both images, but difficult to compare shape and prominence due to known image quality issues
34T74N	Inconclusive	
3LFL7K	Inconclusive	There is some blurriness in the known subject's photo, but the mouths of both have similar shape, especially at the corners and at the mentolabial sulcus. The lips appear different in fullness, but may be due to weight difference.
3M7MAM	Similar	The mouth shapes look similar.
4T9DRJ	Dissimilar	Lips are much fuller on unknown. The right side of unknown seems to tilt upward at an angle opposite of the known.
6JZ4ZJ	Similar	Lip fissure (opening between lips) Shape
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the mouth appears to be similar between the probe and candidate. The fullness of the upper lip appears to have some similarities. The positioning of the teeth of the probe and candidate appear to have some similarities. The upper vermillion border appears to be similar in the path it takes.
89T2WX	Inconclusive	The edges are not clear, some teeth are visible but the features are not distinct
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The width of the mouth on the unknown image is less wide than that of the known. The knowns upper lip is thinner and the corners of the mouth swing upward. The unknowns upper lip appears fuller as well as the bottom lip. The smile/mouth is slightly angled towards the right while the knowns image appears more straight. The gums are more visible on the unknown image than that of the known.

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Image Set Q5: Table 4.5(k) - Mouth

WebCode	Observation	Feature Notes
9GLTHW	Dissimilar	overall size is somewhat similar, but shape and width are dissimilar; despite being stretched by the smiling expression, the known's upper vermillion border is relatively linear and lower vermillion border is a uniformly curved shape, whereas unknown's upper vermillion border is shorter and possesses an elongated "m" shape and lower vermillion border is curved but not uniformly like known's; lip thickness and color are dissimilar as unknown's are thicker and a deeper pink color; area beneath unknown's lower lip is thicker and protrudes, whereas known doesn't possess this thickness, however this could be attributed to weight differences; unknown has a prominent stretched "w" shaped mentolabial sulcus, that may be present on the known (difficult to compare due to lighting and pitch difference), however unknown's is positioned closer to the lower vermillion border; gnathism is dissimilar, as unknown's upper gums are more visible and a deeper pink color than known's; teeth are also dissimilar, as the top of known's upper central and lateral incisors are relatively in alignment, whereas unknown's central incisors are positioned higher than the lateral incisors and the left central incisor is larger than the right, whereas known's are similar in size; known's upper and lower teeth appear to meet along the incisors with space between left side molars, whereas unknown has an overbite and most of the lower teeth are not visible; due to wider opening and less curved formation of the teeth, known has more teeth visible; known's philtrum is difficult to compare due to over exposure, however it appears to be wider and shallower
9KFMFY	[Not Reported]	both have mouths open with upper teeth visible in smiling expression, slightly more of lower teeth are visible in smile of Known(1); appears to have similar shape/thin upper lip; appears to have similar shape to left/right corners/angles of mouth with mouth open in smiling expression
9U4MPG	Similar	
AKVB9D	Inconclusive	shape of fissure appears similar, limited comparison due to low quality known image
B2Z6FC	Inconclusive	Similar shaped teeth with canine teeth that jut out. Similar shaped mouth fissure. Unknown has a top lip that is higher on the right side. Upper lip shape is similar. Unknown has a thicker lower lip. Known appears to have a larger mouth fissure that could be due to expression.
BZH38T	Dissimilar	The shape and thickness of the lips are dissimilar.
CKPXLT	Inconclusive	Similar mouth corners shape, lip tone, teeth shape and tone. Dissimilar mouth and fissure shape and size and, lip shape, size and fullness.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	known upper lip thinner, potential lighter coloring in same area of lower lip but different angles
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	Mouth – Teeth size and shape are the same as with consistent fissure and overall mouth. Both subjects have thin lips with a fuller lower that is twice as thick as upper lip with subject's mouth framed by nasolabial folds in 'tent' like fashion. Lower vermillion boarder is prominent in Unknown's tori of lower lip and diminishes in lateral region.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different size and texture
FBEYWM	Dissimilar	

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Image Set Q5: Table 4.5(k) - Mouth

WebCode	Observation	Feature Notes
FZRJT8	Inconclusive	The mouth of the known appears to be wide than the unknown. Their vermilion border appears similar
H2WQ96	Dissimilar	Smile is wider in the known and teeth appear different than those of the unknown. Also, more bottom teeth show in the known than the unknown. Fissure of mouth appears asymmetrical in the unknown and relatively symmetrical in the known. Lower lip of the unknown appears fuller than the known's lower lip.
HFB7XM	Similar	Similar shape and position of upper teeth, position of commissure of lips and size of upper lips.
HRQ6L4	Similar	similar width of overall mouth; teeth similar in shape, size, and positioning (both images have smiling expressions).
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Fissure and overall size appear similar. Lower lip details and size appear dissimilar.
JL2M67	Similar	
K3KWNM	Similar	Vermillion border is similar in size/shape/contour. Upper lip is similar in size/shape. Lower lip is similar in shape. But not similar in thickness. This could be due to the quality of the image. Teeth are similar in shape/overbite.
KEBXX2	Dissimilar	Due to the washed out quality of the known, details are not visible, but the known's overall mouth shape seems thinner
KHWG47	Unable To Compare	Facial Expression
L7ZVC2	Similar	Mouth placement and angles of corners are consistent across both known and unk. Slight Cupid's Bow in top lip of both known and unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	both have mouth open with teeth showing, some of the teeth in the known appear to be larger in the known but could be quality/lighting, upper lip appears thinner in the known, bottom lip of the unknown is fuller, marionette lines are dissimilar – the unknown slants upward where the known slants downwards, cupid bow appears to be dissimilar but hard to say due to quality
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	Low-res known; age & weight
PD3BCW	Dissimilar	The upper and lower lips of the known and unknown individuals are parted widely, forming a broad open-mouthed smile, teeth visible. The lips of both known and unknown individuals are thin and evenly shaped, stretched due to the wide smile. The teeth are closely spaced with slight visibility of the lower teeth. The vermilion of both lips of the unknown individual appear fuller compared to the known image. The skin of the unknown image is clearly illuminated showing small moles, blemishes, beauty marks and/or pimples on/near the chin. The distance from the lower vermillion boarder and bottom of chin is greater in the known image than the unknown image. Lower portion of the mouth, lower lip/chin on the unknown individual appears to tilt slightly to the right which is inconsistent with the known individual.
PGNVGZ	Dissimilar	

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Image Set Q5: Table 4.5(k) - Mouth

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Fullness of lips appear dissimilar in both; upper and lower vermillion border appear dissimilar in shape and definition; overall size of mouth appears larger in U; teeth appear similar in shape from what is visible; mentolabial sulcus appears more defined and dissimilar in location in U.
PRMQFV	Similar	Lips are thin on known and unknown. The size of the mouth is similar. The mouth has a similar opening. The corners of the mouth have a similar prominence and shape. The size of the teeth appear to be similar. The alignment of the teeth appear to be similar. The ratio of gums to teeth is similar. Similar bite and smile.
PVM3BV	Similar	mouth of known is lower in quality, expression and quality difference causes difficulty in comparison, creases around the mouths appear to be similar in angle, relative size and layout of the teeth appear to be similar
PWHKDW	Dissimilar	Wider smile in known that unknown. Gums are showing more in unk.
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	The lip fissure and teeth seem different. Lower lip on the unknown image seems wider than on the known image.
PY46H2	Dissimilar	unknown- wider lips
Q49MUY	Similar	
QTWDAF	Similar	The upper lip appears thin and similar on both, the lower lip appears to be asymmetric on both subjects. The fissure is likely similar however the quality is low. The width of the mouth and the shaping with the smile seems similar.
QYFHZU	Similar	The size, shape, and placement are similar.
R273NE	Similar	Both known and unknown have similar mouth opening, similar teeth shapes and sizes as both are smiling. Similar mouth ends shapes. Both also have similar top and bottom lip shapes.
TBLBPC	Inconclusive	lighting and resolution of known pic
U6E77R	Similar	Overall shape of mouth is similar. upper lip shape is thin in both people. Eye teeth look similar
U778AU	Inconclusive	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Mouth width, while smiling, is consistent. Lower lip shape is similar. Upper lip shape is dissimilar – Unknown has an asymmetrically shaped upper lip that is fuller than the Known's (it's possible that the Known's reduced image quality and highlighting across the face is preventing me from seeing the full upper lip, alternatively the lip could be rolling inward due to a "gummy smile". A shallow undefined philtrum is present in the Unknown that is not readily visible in the Known. Observed similarities in dentition (note – Known's dental area lacks clarity of detail due to image quality): The shape of the left and right canine teeth are somewhat similar, and the shape of their gumline into the lateral incisors is somewhat similar; the bite between the top and bottom teeth also looks somewhat similar around the canines.

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Image Set Q5: Table 4.5(k) - Mouth

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Both subjects have a large smile exposing the teeth. Both teeth appear to have a slight overbite. The upper lip is smaller than the bottom lip on both subjects. Unknown has a small cupids bow; unable to determine if known has a cupids bow due to quality of image. Known lips are smaller/ thinner than unknown.
XTNLEQ	Similar	Lip gap and Shape
XYERF8	[Not Reported]	Similarities: Overall mouth: shape, Characteristic detail of teeth: shape, size, alignment/position - visible portions – Dissimilarities: Asymmetry (top lip/right side of mouth lifts in Q1), Upper lip: fullness, Lower lip: fullness - Not comparable: Philtrum: prominence, width of ridges, width of furrow, Upper lip: shape, protrusion, upper vermillion border shape, detail, Lower lip: shape, protrusion, lower vermillion border shape, detail, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: condition, Lip fissure: shape, degree of contact, angle, Mouth abnormalities (limited visibility - lighting/image quality)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Mouth

Total Participants: 60

Response	Percent Reported
Similar	21 (35.0%)
Dissimilar	16 (26.7%)
Inconclusive	19 (31.7%)
Unable to Compare	4 (6.7%)
Not Applicable	0 (0.0%)

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Image Set Q5: Table 4.5(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to have a more rounded jawline shape, especially on the left side of the face; the unknown has a more pronounced "double chin" (consistent with apparent weight difference); the known's chin appears more rounded in shape and more prominent
34T74N	Similar	Could be similar if longtime have passed between the images.
3LFL7K	Similar	The chins are consistent in shape with a rounded tip and the jawline shows similar rounded shape at the gonial angle.
3M7MAM	Dissimilar	Variations in noticeable double chin presence.
4T9DRJ	Dissimilar	Chin on known has a defined U shape compared to unknown which is more spread out.
6JZ4ZJ	Similar	Overall shape Chin and gonial angle
7B6GQY	Similar	
7PHQBF	[Not Reported]	Both the probe and candidate appear to have a double chin. The shape of the chin as well as the contour of the jawline appears to be consistent between the probe and candidate.
89T2WX	Dissimilar	The degree of obesity is different, but the width ratio of the chin to the mouth is similar
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The distance from the bottom lip to the chin appears greater on the known image. The unknown image appears to have several creases in the chin area under the bottom lip. Also there appears to be numerous markings on the unknown image while the known appears more smooth (this could be due to poor quality image and lighting differences.) The overall shape of the jaw appears boxier/square on the known image while the unknown is very round/fleshy with a double chin.
9GLTHW	Dissimilar	shape of the jawline and length is dissimilar, as known's is more of a rounded right angle shape, making the gonial angle more evident, whereas unknown's is a subtle elongated curved shape and the gonial angle is not evident; known's overall jaw is larger and more defined; width, height, shape, and prominence of the chin are completely dissimilar, as known's is narrower, longer, rounder, and protrudes more, therefore is more prominent, whereas unknown's is wider, more uniform in curvature, shorter, and doesn't protrude; unknown has large double chin that follows curvature of the chin, whereas known just has a slight jowl present, but this could be attributed to upward pitch and weight difference
9KFMFY	Similar	appears to have similar shape of chin; both appear to have round curve toward gonial angle
9U4MPG	Similar	
AKVB9D	Similar	similar prominent pointed chin, unknown has a double chin
B2Z6FC	Dissimilar	Similar in shape and prominence. Hard to compare due to weight difference. Known has a more defined gonial angle. Unknown has a slightly rounder chin.
BZH38T	Dissimilar	The chin shape and length are dissimilar.
CKPXLT	Dissimilar	Dissimilar jawline shape and, chin shape and size.

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Image Set Q5: Table 4.5(l) - Chin/Jawline

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	chin shape/point similar, multiple marks in unknown that does not appear in known
DA6QFC	Similar	
EGJRJR	[Not Reported]	Chin/Jawline – Due to Known's pose position and image cut off analysis was done using left jawline which appears to be square jawline into a rounded chin. Unknow jawline is shorter, not as sharp but boxy into square slightly protruding chin. Chin shape is probably the same but Knowns pitch and pose angle coupled with Unknowns proximity to camera and weight difference they appear somewhat dissimilar.
EGYH2B	Similar	
ELRHHR	Dissimilar	different shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The chin shape is similar. The lawline of the known appears wider than the unknown.
H2WQ96	Dissimilar	Shape of chin and jawline appears similar, but distance between chin and lower lip in known appear larger than in the unknown.
HFB7XM	Similar	Chin appears similar in shape, but known's chin appears slightly sharper. Both jawlines appear broad and similar in shape.
HRQ6L4	Similar	similar contour and prominence; slightly fuller in unk image due to weight difference.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Chin shape dissimilar
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in shape/location. Jawline is similar in shape. Unknown has a double chin which affects the Gonial angle. Mentolabial sulcus is similar in location/shape.
KEBXX2	Inconclusive	Both have prominent chins but the weight difference makes me unable to form an opinion
KHWG47	Inconclusive	Weight gain
L7ZVC2	Similar	Chin distance to bottom lip is similar between known andn unk. Rounded forms of known and unknown are similar. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	chin is more round in the known, jawline appears longer in the unknown, unknown has more of a double chin, marks throughout the chin/jawline are not visible in the unknown but could be due to quality,
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	Low-res known; age & weight

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Image Set Q5: Table 4.5(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	Unknown's chin is Rounded and smooth with no visible dimpling or creasing. The jawline is soft and not sharply defined. The unknown image displays a more bulbous and rounded chin. The volume of unknown's soft tissue is greater, giving the chin a fuller appearance. There are no defined dimples. blemishes, pimples, and/or moles around the chin and lower cheek area of the known image unlike the slightly pitted complexion of the unknown image
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears longer and more narrow in K and more rounded point, U appears a bit more squared and shorter, may be due to weight/pose/expression; jawline appears dissimilar in shape and definition.
PRMQFV	Inconclusive	Curvature of the chin is somewhat similar, rounded on both known and unknown. Chin hangs more on the unknown. Jawline is more pronounced on the known.
PVM3BV	Similar	chin of both subjects appears to be rounded and protrusive past the jawline in a similar manner. Jawlines appear to be similar in contour, weight difference does appear to make the chin/jawline of the unknown more protrusive.
PWHKDW	Similar	Both have a rounded chin
PWYRHE	Similar	acute chin
PX9LGZ	Dissimilar	The gonial angle is more rounded on the unknown image and more squared on the known image. Distictive double chin is visible on the unknown image.
PY46H2	Dissimilar	unknown- wider (time?)
Q49MUY	Similar	
QTWDAF	Similar	The chin appears to have a similar width and prominence. The unknown does appear to have a double chin however this is likely due to changes in weight and aging. The angle of the jaw appears to similar however longer on the unknown which is likely due to the expression change.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	Both have similar wide jawlines, similar chin shapes though unknown appears to have wider chin.
TBLBPC	Similar	
U6E77R	Similar	similar shape to chin and jawline.
U778AU	Unable To Compare	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Unknown has a double chin. Similar wide jaw and jawline angle. Somewhat similar pronounced chin shape; Known's chin appears a bit more pointed than the Unknown's flatter/rounded chin, but this could be due to the different head positions and different ages.
XQMJNP	Dissimilar	Known has a square jaw line with a rounded chin. Unknown has a rounded jawline with a square chin.

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Image Set Q5: Table 4.5(l) - Chin/Jawline

WebCode	Observation	Feature Notes
XTNLEQ	Similar	Overall figure of Jaw and jaw angle
XYERF8	[Not Reported]	Dissimilarities: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition - Not comparable: Asymmetry (potentially impacted by weight)
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q5 Chin/Jawline	Total Participants: 60
Response	Percent Reported
Similar	30 (50.0%)
Dissimilar	20 (33.3%)
Inconclusive	9 (15.0%)
Unable to Compare	1 (1.7%)
Not Applicable	0 (0.0%)

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Image Set Q5: Table 4.5(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's neck appears longer than the unknown's; the unknown has more prominent neck creases towards the base of the neck that are not visible in the known; the known has a prominent facial mark or scar present on the neck right below the jawline that is not present in the unknown
34T74N	Dissimilar	
3LFL7K	Dissimilar	The neck of the known is narrow and appears longer than unknown. There is a noticeable weight difference which may account for some visible difference in width/length.
3M7MAM	Unable To Compare	The neck of the unknown person is barely visible.
4T9DRJ	Dissimilar	Neck seems longer/taller and thinner on known.
6JZ4ZJ	Dissimilar	Height difference
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Due to the quality of the candidate it is difficult to see fine detial in the neck.
89T2WX	Inconclusive	The degree of obesity is different
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The unknowns neck appears wider/thicker and the markings on the neck are not consistent. The known image has a large mark under the chin in the upper neck region that is not visible on the unknown image. The unknown image has several markings all over the neck area
9GLTHW	Dissimilar	width appears to be similar, but length and musculature are dissimilar, as known's appears to be longer and musculature is not as thick, however unknown's double chin could be concealing some of the upper neck; known has a large, darker pigmented facial mark beneath the right side jowl that should be visible on the unknown's double chin if present, but is not; unknown has a couple faint, curved neck creases at the base of the neck that are not visible/present on the known
9KFMFY	[Not Reported]	Known(1) has neck more stretched out, Unknown(2) has parts of neck not visible with head tilted more downwards
9U4MPG	Inconclusive	
AKVB9D	Inconclusive	not visible in unknown image
B2Z6FC	Dissimilar	Known has a facial mark under the right side of the chin that is not visible in the unknown. Unknown has multiple freckles. Both are free from creases.
BZH38T	Dissimilar	The thickness and the length of the neck are dissimilar.
CKPXLT	Dissimilar	Dissimilar neck height.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	mark in known not visible in unknown (may be angle), multiple marks in unknown not visible in known
DA6QFC	Inconclusive	

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Image Set Q5: Table 4.5(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Neck – Known's has long leaner neck with visible facial mark under chins right side where chin/jawline seems to blend seamlessly into neck. Due to Unknowns double chin which can be attributed to weight gain, hindering view of subject neck this cannot be verified.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different in size
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The known has a distinct facial mark under her chin that the unknown doesn't appear to have. The unknown has more facial marks on her neck that the known does not have.
H2WQ96	Unable To Compare	Unknown's neck is partially covered by hair and chin due to position of head.
HFB7XM	Inconclusive	
HRQ6L4	Inconclusive	different poses - unable to discern width; unk image appears slightly fuller.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in size and details.
JL2M67	Unable To Compare	
K3KWNM	Similar	Neck is similar in length. Not similar in width due to weight difference.
KEBXX2	Inconclusive	The weight difference makes me unable to form an opinion
KHWG47	Unable To Compare	Weight gain
L7ZVC2	Inconclusive	Neck details are obscured in unk. Photo quality of known is poor and does not allow details of neck such as folds to be seen. Mark on neck of known is not visible in unk, but weight gain may obscure mark in unknown.(inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known neck is longer, marks on the unknown neck are not similar on location/size/shape, unknown neck is wider and shorter, neck creases are dissimilar
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	Low-res known; age & weight
PD3BCW	Dissimilar	The skin on the neck of the known image appears smooth and evenly toned. Known image has a gentle neck slope from chin to collarbone without any pronounced muscle definition or contouring. The skin texture of known image is smooth overall with even pigmentation; no visible marks or blemishes. Unknown image has more a more textured skin in the neck region, including blemishes, pimples and moles around the chin and lower cheek/jawline. Longer, dark brown hair frames the right side of the face and neck of the unknown image.
PGNVGZ	Unable To Compare	

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Image Set Q5: Table 4.5(m) - Neck

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Neck appears wider and has creases and facial marks visible in U that are not in K. There is one facial mark that may be in common on right side below chin in both.
PRMQFV	Dissimilar	Knowns neck appears to be longer. Crease on the unknown's neck, not found on the known. Possibly due to the difference in angles and image quality.
PVM3BV	Dissimilar	neck regions of the subjects differ in thickness, this can be contributed to the difference in weight in the subjects
PWHKDW	Inconclusive	mark observed in known that is not in unkonwn, but due to weight, this could be obscured in unknown
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	The neck is shorter on the unknown image.
PY46H2	Dissimilar	unknown- wider (time?)
Q49MUY	Similar	
QTWDAF	Inconclusive	The neck is likely similar however it is unclear due to angle change and quality.
QYFHZU	Similar	
R273NE	Similar	Both appear to have similar contouring down through middle of neck, unknown has adipose deposit under chin so can only see bottom of neck. Neck lines are also visible on unknown, but not on known due to quality and brightened lighting in known image.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	not enough showing to compare, known photo is blurred
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Neck is not visible in Unknown for comparison. Known has a noticeable mark at the top right side of the neck.
XQMJNP	Dissimilar	Known has a long neck. A facial mark is noted near the jawline of the neck to the right of center. Unknown has a shorter neck which is partially covered with the extra skin/ double chin. Freckles are noted on unknown neck.
XTNLEQ	Dissimilar	Height variation
XYERF8	[Not Reported]	Not comparable: Overall neck: width, height, details, Laryngeal prominence: shape, size, prominence, location (limited visibility in Q1 - obstruction)
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

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Features Observations Response Summary - Q5 Neck		Total Participants: 60
Response	Percent Reported	
Similar	4 (6.7%)	
Dissimilar	23 (38.3%)	
Inconclusive	17 (28.3%)	
Unable to Compare	15 (25.0%)	
Not Applicable	1 (1.7%)	

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Image Set Q5: Table 4.5(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	N/A
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q5: Table 4.5(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Not found on either known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q5: Table 4.5(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	Not noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Not Comparable (not observed)
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q5 Facial Hair

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	2 (3.3%)
Not Applicable	58 (95.1%)

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Image Set Q5: Table 4.5(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	The nasolablal folds are visible on the unknown subject, but not fully on the known due to lightness of color and blurriness.
3M7MAM	Dissimilar	Variations in nasolabial fold prominence.
4T9DRJ	Dissimilar	The inferior palpebral creases under the eyes on unknown are much more present than on known. The right and left nasolabial folds are very prominent on unknown and seem less angular than known.
6JZ4ZJ	Similar	Right buccal creases/folds Left buccal creases/folds (cheek to chin) prominence Right inferior palpebral crease Right lateral nasal lines Left lateral nasal lines prominence
7B6GQY	Not Applicable	
7PHQBF	Similar	Nasolabial folds between the probe and candidate appears dissimilar in the depth of the crease. The folds on the probe seem to be more prominent compared to the candidate's. The inferior palpebral crease is visible on the probe, that is not visible on the candidate. Could be due to the age difference between the probe and candidate. As well as the quality of the candidate compared to the probe.
89T2WX	Dissimilar	The chin dimple is similar, but the other wrinkles are different
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Nasal lines that extend down on to the outer sides of the mouth of the unknown image that are deeper and more prominent. There are crease/lines under the eyes of the unknown image and also at the top of the bridge of the nose there appears to be a crease that is not visible on the known image.
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	difficult to compare smaller/fainter facial lines of Known(1) due to quality; Known(1) appears to have crease near right corner of mouth curving down while Unknown(2) also appears to have crease near right corner of mouth that is more prominent which can be from age
9U4MPG	Dissimilar	
AKVB9D	Similar	nasolabial folds originate just above alae. much deeper in unknown (weight difference), marionette lines notedunknown
B2Z6FC	Similar	Similar nasolabial folds and buccal creases. Unknown has inferior palpebral creases possibly due to age
BZH38T	Dissimilar	The wrinkles around the eyes, the wrinkles on the neck and the nasolabial folds are dissimilar.
CKPXLT	Dissimilar	Dissimilar nasion crease, superior palpebral crease shape, number and placement, nasolabial folds shape and placement, mouth corner dimples shape, mentolabial sulcus placement and, lower neck crease number and placement in the Unknown not visible in the Known.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	crease/mark on known side of face eyebrow to ear not visible in unknown

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Image Set Q5: Table 4.5(o) - Facial Lines

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible for unknown profile
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The nasolabial lines of the unknown are more distinct than the known, which could be due to weight difference.
H2WQ96	Dissimilar	Nasolabial folds appear much more pronounced in the unknown than the known.
HFB7XM	Similar	Similar shape and position of nasolabial lines and buccal lines. Unknown's inferior palpebral crease appears dissimilar.
HRQ6L4	Unable To Compare	lines in unk image more prominent due to age difference; similar contour of nasolabial folds, similar positioning and contour of infraorbital creases.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in location and detail.
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Unable To Compare	Can't see details on the known
KHWG47	Inconclusive	
L7ZVC2	Similar	Nasolabial lines well defined in both known and unk and seem similar. Marionette lines visible in both known and unnk, but are not defined due to picture quality. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Inconclusive	
P6CLXG	Unable To Compare	Low-res known
PD3BCW	Not Applicable	
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasion crease present in U, not visible in K; nasolabial folds appear dissimilar in shape/prominence/depth. Others aforementioned.
PRMQFV	Dissimilar	Inferior palpebral creases are found in similar, more prominent on the unknown. Nasolabial folds are more prominent and longer on the unknown, found in similar locations. Crease at the root of the nose on the unknown, not found on the known.
PVM3BV	Similar	refer to the eyes, nose and mouth sections above
PWHKDW	Inconclusive	image of known is very light therefore difficult to compare

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Image Set Q5: Table 4.5(o) - Facial Lines

WebCode	Observation	Feature Notes
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	Nasolabial folds are different.
PY46H2	Inconclusive	resolution of known
Q49MUY	Similar	
QTWDAF	Similar	The nasolablial lines appear to attached/begin in a similar location. There may be a nasion crease on the unknown that doesn't appear visible on the known however this could be due to aging or quality.
QYFHZU	Similar	The nasolabial folds are consistent in location.
R273NE	Similar	Nasoalbial line curvatures on each side is similar on known and unknown. Other lijnes discussed in above categories.
TBLBPC	Inconclusive	
U6E77R	Unable To Compare	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Inferior palpebral and infraorbital creases are somewhat similar. Nasolabial lines appear somewhat dissimilar in their angle and shape, but this could be due to weight differences in the cheek area and the different degrees of smiling; the right nasolabial line curves around the mouth and goes into the chin area in a similar way. The mentolabial sulcus looks closer to the lower lip in the Unknown, but it is not clearly defined in the Known for comparison. Similar buccal creases. The Unknown has a nasion crease, fine lines under the eye, and creases on the top of the chest that are not seen in the Known.
XQMJNP	Dissimilar	Known has facial lines surrounding the nose and mouth, they start at the nostrils, make a triangular point near the corner of the mouth and then curve back towards the chin. No other facial lines are visible on known - due to age and quality of image. Unknown has a horizontal facial line on the bridge of the nose and lines under the eyes. Unknown facial lines around the nose and mouth start at the top of the nostrils and go almost straight down to the corner of the mouth before ending just past the mouth. There are extra small vertical lines at the corners of the mouth that extended upward from the mouth.
XTNLEQ	Similar	Right cheek creases/folds Left cheek creases/folds (from cheek to chin) are noticeable. Right lower eyelid crease Right nasolabial lines Left nasolabial lines are noticeable.
XYERF8	[Not Reported]	Similarities: Nasolabial crease (L shape) Infraorbital crease - overall appearance of location (faint) - Dissimilarities include: Nasolabial crease (L angle), Inferior palpebral crease - prominence/ outer left location - potentially due to expression, Infraorbital crease (prominence), Superior palpebral crease (fold) - Not comparable/observed in one or both , Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Circumoral striae, Mentolabial sulcus, Nasolabial crease, Marionette lines, Cleft chin, Buccal creases, Wrinkles on neck, Other creases (limited visibility - obstructed/lighting/image quality)

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Image Set Q5: Table 4.5(o) - Facial Lines

WebCode	Observation	Feature Notes
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q5 Facial Lines

Total Participants: 59

Response	Percent Reported
Similar	15 (25.4%)
Dissimilar	18 (30.5%)
Inconclusive	9 (15.3%)
Unable to Compare	12 (20.3%)
Not Applicable	5 (8.5%)

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Image Set Q5: Table 4.5(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	The unknown person has a possible scar located near the right side of the nose.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	
8FP3RH	Not Applicable	
8ZX32H	Unable To Compare	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	potential scar/facial mark near right alae of Unknown(2) does not appear present for Known(1), can be from quality or age difference
9U4MPG	Dissimilar	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Unable To Compare	Image quality in the Known limits scars visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	possible scar near unknown nostirl
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible for unknown profile
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No scars observed.
HFB7XM	Not Applicable	

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Image Set Q5: Table 4.5(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none visible
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Unable To Compare	Can't see details on the known
KHWG47	Dissimilar	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Inconclusive	
P6CLXG	Unable To Compare	Low-res known
PD3BCW	Dissimilar	mentioned with facial observations
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Appears to be a scar or facial mark under left eye in both, appears more prominent in the U.
PRMQFV	Unable To Compare	Appears to be a scar on the neck of the known, unable to compare due to the difference in angles.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Dissimilar	There seems to be scar next to the right nostril on the unknown image.
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Unable To Compare	not able to be compared due to quality of the known
QYFHZU	Not Applicable	
R273NE	Not Applicable	No scars of note in either
TBLBPC	Unable To Compare	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	

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Image Set Q5: Table 4.5(p) - Scars

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Not comparable: Scars not observed
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q5 Scars

Total Participants: 59

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	7 (11.9%)
Inconclusive	3 (5.1%)
Unable to Compare	16 (27.1%)
Not Applicable	33 (55.9%)

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Image Set Q5: Table 4.5(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown has many facial marks present all over the face that are not consistent with the known, but could be due to aging and image resolution differences
34T74N	Dissimilar	Partially UC.
3LFL7K	Dissimilar	Facial marks on the unknown subject are not replicated on the known subject.
3M7MAM	Dissimilar	Discordant pigmentation abnormalities between facial and cervical regions.
4T9DRJ	Dissimilar	Many marks are inconsistent between images; unknown appears to have many spots or freckles that are not visible on known. Marks or mole-like bumps on right side of unknown next to right eye are not on known.
6JZ4ZJ	Dissimilar	Image A have mark on neck, Image b no Mark
7B6GQY	Not Applicable	
7PHQBF	Dissimilar	There are facial marks present around the face of the probe that cannot be seen on the candidate. There appears to be an age difference between the probe and candidate,
89T2WX	Unable To Compare	The known sample is blurry, and the degree of obesity and posture are different
8FP3RH	Not Applicable	
8ZX32H	Unable To Compare	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	potential facial mark/scar on upper neck of Known(1) not visible for Unknown(2), may not be visible due to difference in angle of head with Unknown(2) more forward-facing with head at more of a downward angle; unable to compare smaller/finer details due to quality of Known(1)
9U4MPG	Unable To Compare	
AKVB9D	Inconclusive	low quality known image limits observations. unknown- facial marks on right cheek, at top of right nasolabial fold, left cheek, freckles throughout
B2Z6FC	Dissimilar	Discussed above
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar various freckles visible on face and neck overall, one reddish textured mark on the far right of face near the medial canthus, one dark skin mark under that reddish mark, one reddish mark on the left cheek near the mouth corner in the Unknown not visible in the Known. One dark skin mark on neck under the chin in the Known not visible in the Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	raised mark in unknown between eye and ear not visible in known, multiple marks throughout unknown not visible in known
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	As previously mentioned.

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Image Set Q5: Table 4.5(q) - Facial Marks

WebCode	Observation	Feature Notes
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible for unknown profile
FBEYWM	Unable To Compare	
FZRJT8	[Not Reported]	Facial marks on the neck mentioned above are different. The unknown has a facial mark on her right cheek that the known also appears might have but is difficult to see due to low image quality
H2WQ96	Unable To Compare	Due to pixelated image of the known, cannot compare facial marks.
HFB7XM	Similar	Both seem to have a mark under the chin on the right side, a dark mark on the right cheek and possibly a similar mark lateral of the right eye. Unknown appear to have more visible marks – image quality, aging, lightning and etc. could influence the appearance of facial marks.
HRQ6L4	Similar	no discernable marks in known image; several visible in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Inconsistent in locations between known and unknown.
JL2M67	Not Applicable	
K3KWNM	[Not Reported]	Unknown has multiple facial and neck marks.
KEBXX2	Unable To Compare	Can't see details on the known
KHWG47	Unable To Compare	Low image detail
L7ZVC2	Inconclusive	Facial mark on neck not visible in unk. Poor photo quality of known does not allow for full comparison of facial marks. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Unable To Compare	Low-res known
PD3BCW	Dissimilar	mentioned with facial observations
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Facial marks on U that are not visible in K, may be due to image quality.
PRMQFV	Dissimilar	Facial mark on the right side of the unknowns face, not found on the known. Appears to be a mark on the right side of the unknowns nose, not found on the known. Appears to be freckles throughout the unknowns face, not found on the known.
PVM3BV	Dissimilar	facial marks can be seen throughout the cheek, chin and neck regions of the unknown, and one facial mark can be seen on the neck region of the known
PWHKDW	Inconclusive	Facial mark observed on known's neck that is not seen in unk, but could be due to weight. many facial marks in unk, but due to age difference, this coudl be why not observed in known.

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Image Set Q5: Table 4.5(q) - Facial Marks

WebCode	Observation	Feature Notes
PWYRHE	Unable To Compare	Cannot be compared
PX9LGZ	Not Applicable	
PY46H2	Inconclusive	resolution of known, perspective difference
Q49MUY	Inconclusive	
QTWDAF	Unable To Compare	not able to be compared due to quality of the known
QYFHZU	Not Applicable	
R273NE	Dissimilar	Known has mark under chin on right side not visible on unknown. Unknown has little marks on face and neck that cant be seen on known due to brightened lighting of image.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Unknown has freckles, marks, and areas of hyperpigmentation on face/neck/chest. There is a raised mark below and lateral to the right eye. These marks are not visible in the Known. The Known has a large mark/potential birthmark on the upper center neck; this is not visible in the Unknown. The known also has a potential mark on the right triangular fossa.
XQMJNP	Dissimilar	Known has the facial mark on the neck (described above). Unknown has freckles (described above), a red facial mark on the left cheek near the mouth and two facial marks to the right of the right eye.
XTNLEQ	Dissimilar	Mark available on neck in Image A, Image B no mark on neck
XYERF8	[Not Reported]	Not Comparable: A number of marks noted in Q1 on cheeks/chin/neck which are unable to be determined due to image quality/lighting in R1, Potential facial mark under right side of chin in R1 - unable to determine in Q1 due to obstruction of chin
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q5 Facial Marks

Total Participants: 57

Response	Percent Reported
Similar	2 (3.5%)
Dissimilar	21 (36.8%)
Inconclusive	7 (12.3%)
Unable to Compare	19 (33.3%)
Not Applicable	8 (14.0%)

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Image Set Q5: Table 4.5(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	Differences in whether wearing a necklace and earrings.
4T9DRJ	Dissimilar	peirced ear but ear not visible on unknown.
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	[Not Reported]	Unknown(2) appears to have earrings, while Known(1) does not have earrings
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	[No observations reported for this feature.]	
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different in head tilts and physical alterations
FBEYWM	Unable To Compare	
FZRJT8	[Not Reported]	None visible
H2WQ96	Dissimilar	Unknown appears to have a pierced ear that unknown does not appear to have.
HFB7XM	Not Applicable	

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Image Set Q5: Table 4.5(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	unk image has one visible earring hanging down but ear not visible.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	unknown ears are pierced
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-res known
PD3BCW	Dissimilar	ears are not visible but unknown is wearing earrings
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	None visible.
PRMQFV	Not Applicable	
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	The upper left and right canine teeth and the shapes of the incisors are receding in both images
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Dissimilar	earrings on the unknown
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note in either
TBLBPC	Dissimilar	earring
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	

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Image Set Q5: Table 4.5(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Dissimilar	Even though the ears are not visible on unknown, it does appear that she has an earring in her right ear.
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: Not visible/observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q5 Alterations

Total Participants: 55

Response	Percent Reported
Similar	1 (1.8%)
Dissimilar	8 (14.5%)
Inconclusive	1 (1.8%)
Unable to Compare	5 (9.1%)
Not Applicable	40 (72.7%)

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Image Set Q5: Table 4.5(s) - Other Features

WebCode	Feature	Observation	Feature Notes
3LFL7K	Age	Dissimilar	There is a significant age difference between the two.
9GLTHW	lighting	Dissimilar	known image is over exposed, whereas unknown has decent, even lighting
CKPXLT	Limitations	Dissimilar	Image quality, ageing, pose, weight, expression and styling.
LADNAL	Quality		known quality is a pixilated frontal and further away from the camera, known head is tilted back, unknown is good quality frontal image that is closer to the camera
PWYRHE	teeth	Similar	There is a slight correspondence between the canines and the dental system.

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Detailed Feature Observations

TABLE 4 - Image Set Q6

Image Set Q6: Table 4.6(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	skin tone is similar; skin texture appears to be similar, but difficult to definitively compare due to unknown image quality/resolution issues
34T74N	Similar	
3LFL7K	Similar	The skin for both is similar in color and texture. The photo for unknown subject is somewhat blurry.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	similar skin tone, blurry unknown.
6JZ4ZJ	Similar	Similar tone and texture
7B6GQY	Similar	
7PHQBF	Similar	Skin tones between the probe and candidate appears to be similar between the probe and candidate.
89T2WX	Similar	Lighter in color
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar skin tone and coloring
9GLTHW	Similar	texture is difficult to truly compare due to hazy quality of unknown image, but smoothness appears to be similar; light brown/ tanned complexion is similar; known has several freckle-like facial marks dispersed throughout the entire face and neck, however these are not visible on the unknown, which could be due to differences in sun exposure, lighting, or quality of unknown image
9KFMFY	[Not Reported]	both appear to have similar tone to skin; unable to compare smaller/finer details due to quality of Unknown(2)
9U4MPG	Similar	
AKVB9D	Inconclusive	low quality of unknown image prohibits comparison
B2Z6FC	Similar	Similar color. Known has acne.
BZH38T	Similar	Skin tone is similar.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	more marks visible in known that unknown
DA6QFC	Similar	
EGJRJR	Similar	Skin – Subjects have fair skin tone and warm complexion. Unknown appears tanner and/or warmer in image compared to Known with lighter perimeter of face, lighting differences and image quality may have been a factor. Unknown has a consistent color and appears to have a pink undertone. Both individuals have consistent illumination seen nose area.

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Image Set Q6: Table 4.6(a) - Skin

WebCode	Observation	Feature Notes
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	same color, but not able to determine skin texture of unknown profile
FBEYWM	Unable To Compare	Low Resolution
FZRJT8	Similar	The skin tone appears to be similar. The image quality of the unknown is poor and out of focus.
H2WQ96	Similar	Texture and tone is similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar color; unk image is blurry so texture not visible.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in complexion and tone. Similar facial marks.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in light color. Due to image quality of the Unknown, texture cannot be compared.
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones and texture between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Inconclusive	texture can't be compared due to quality; tone is darker in the unknown but is due to lighting/quality
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	The skin of the known and unknown is equal in a medium-warm color tone, smooth texture and complexion. Known image has more scattered, small visible marks/freckles than unknown. There are slightly different lighting conditions with the unknown image having a warmer tone and the unknown image. Both appear to be similar in weight and have a full/thick skin texture. Known and unknown appear close in age to that of a teenager and/or young adult with the known individual appearing a little older than unknown. The lighting of the known image is bright and direct, which enhances skin detail and texture clarity.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears similar in overall tone/texture/luminance.
PRMQFV	Similar	Tone of the skin is similar, fair on both subjects. Texture of the skin is smooth on known and unknown.
PVM3BV	Similar	skin tone and texture appear to be similar between subjects
PWHKDW	Similar	white/olive skinned males
PWYRHE	Similar	same color

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Image Set Q6: Table 4.6(a) - Skin

WebCode	Observation	Feature Notes
PX9LGZ	Similar	Skin tone seem similar.
PY46H2	Similar	tonality similar
Q49MUY	Similar	
QTWDAF	Similar	The subjects present with a similar light skin tone with differences in hue which is likely due to imaging conditions, exposure, etc. The skin texture appears to be similar.
QYFHZU	Similar	Color and tone are consistent
R273NE	Similar	Both have similar tone and texture. Luminance is similar between known and unknown.
TBLBPC	Similar	
U6E77R	Unable To Compare	unk subject has blurry photo, can't tell texture. Color is similar.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar skin tone. Unable to assess texture of Unknown due to image quality. Known has smooth skin except for a few blemishes between eyebrows, on upper cheeks, and on the chin.
XQMJNP	Similar	Both subjects are light skinned.
XTNLEQ	Similar	The texture and color are consistent
XYERF8	[Not Reported]	Similarities: Overall skin appearance: tone - Not comparable: Overall skin appearance: texture
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q6 Skin

Total Participants: 60

Response	Percent Reported
Similar	49 (81.7%)
Dissimilar	1 (1.7%)
Inconclusive	5 (8.3%)
Unable to Compare	3 (5.0%)
Not Applicable	2 (3.3%)

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Image Set Q6: Table 4.6(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall facial shape; similar flat cranial vault shape
34T74N	Similar	
3LFL7K	Inconclusive	Overall face outline is consistent. The cranial vault and brow ridge aren't visible due to hairstyle.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred, resulting in poorly defined facial contours.
4T9DRJ	Inconclusive	The unknown is blurry.
6JZ4ZJ	Similar	Overall shape of face
7B6GQY	Similar	
7PHQBF	Similar	The overall face shape of the probe and candidate appears to be similar. Both images look to have a circular face shape.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar overall outline of head and face shape and size
9GLTHW	Similar	overall squarish shape, small size, and width are similar, however unknown's appears to be softer/ less defined, but this could be due to image quality or the presence of more adipose tissue; unknown's also appears to be longer, but this could be due to the mouth being slightly ajar
9KFMFY	[Not Reported]	what is visible of face/head outline appears to have similar rounded oval shape; top of face/head outline obscured from hair
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Dissimilar	Known has a rounder face possible due to age
BZH38T	Similar	The face shape is similar.
CKPXLT	Similar	Similar head shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Outline – Unknown has a rounded/upside down egg-shaped head, while Known has a round head outline with a pointed chin. Subject's hair style and amount hinder full view of cranial vault for comparison.
EGYH2B	Similar	
ELRHHR	Similar	same geometric shape around forehead, chin, cheeks, jawline

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Image Set Q6: Table 4.6(b) - Face/Head Outline

WebCode	Observation	Feature Notes
FBEYWM	Similar	
FZRJT8	Similar	The face/head outline is similar
H2WQ96	Similar	Shape appears similar, but there seems to be a bit of a difference in fullness around the cheeks (possibly difference in weight).
HFB7XM	Similar	Cranium not comparable.
HRQ6L4	Similar	Similar outline of lower portion of face - head obscured by hair.
HUCPQ8	Similar	
HYQFYM	Similar	Similar oval shape. Similar facial outline and jawline. Cranial vault appears similar.
JL2M67	Similar	
K3KWNM	Similar	Outline has a similar shape
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have more square facial structure. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	head appears to be longer in the unknown but that's due to mouth being open, width is similar, overall head shape is similar
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown are frontal images with a similar round facial contour. The facial outline of both known and unknown is consistent, evenly curved from top of head to underneath the chin. Features are consistent and symmetrical in placement on the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Overall shape of face appears similar from what is visible; shape of cranial vault appears similar, but may be due to hairstyle.
PRMQFV	Similar	Unable to compare the shape of the head due to hair covering the upper part of the head on both known and unknown. Lower part of the head appears to follow a similar curvature. Size of the head appears to be consistent.
PVM3BV	Similar	general shape of the outline of the face appears to be similar between subjects
PWHKDW	Similar	similar outline
PWYRHE	Similar	mesocephalic
PX9LGZ	Dissimilar	The head shape is more triangular on the unknown image, whereas it is more rounded on the known image.
PY46H2	Similar	
Q49MUY	Similar	

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Image Set Q6: Table 4.6(b) - Face/Head Outline

WebCode	Observation	Feature Notes
QTWDAF	Similar	The face/head outline appears to be similar with a conical head that is more squared and wider on the top that continues get thinner toward the bottom. The lower section is rounded on both.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Similar	Head shapes are similar squared shpaed.
TBLBPC	Inconclusive	unknown blurred image mouth opened
U6E77R	Similar	similar shape to face
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	[Not Reported]	Similar face shape. Outline of cranial vault is obscured by hair.
XQMJNP	Similar	Both subjects have a square face with a slightly pointy chin
XTNLEQ	Similar	The general shape of the face
XYERF8	[Not Reported]	Similarities: Overall shape of the face - Not comparable: Shape of the cranial vault
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q6 Face/Head Outline — Total Participants: 59

Response	Percent Reported
Similar	53 (89.8%)
Dissimilar	2 (3.4%)
Inconclusive	4 (6.8%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q6: Table 4.6(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar size/proportion, symmetry and relative location of the facial features to one another
34T74N	Similar	
3LFL7K	Similar	The position of the eyes, ears, nose and mouth are consistent on both subjects, including the distances between and relating to each feature.
3M7MAM	Similar	The proportions and positions of facial features are basically identical.
4T9DRJ	Inconclusive	All the elements are there, but the blurriness of the unknown make fine characteristics questionable.
6JZ4ZJ	Similar	Approximate width of nose relative to eye distances individual eye width, overall distance between outer corners Approximate width of nose relative to mouth Approximate distance from chin to lower lip relative to face length
7B6GQY	Similar	
7PHQBF	Similar	The intercanthal distance of the eyes appears to be similar between the probe and candidate. The distance of the eyes to the eyebrows appears to be similar. The distance of the nasal base to the upper lip looks to be similar between the probe and candidate.
89T2WX	Similar	Similar, with a wider mouth opening
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Approximate distance from bridge of the nose to canthus appears consistent. Placement of the mouth distance to the eye location is also similar.
9GLTHW	Similar	configuration, alignment, and size of the visible facial features are consistent with respect to each other and their location on the face
9KFMFY	Similar	approx. distance from nasal tip to upper lip similar; approx. position of lower end of ears relative to nasal tip/eyes appears; intercanthal distance appears similar
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Inconclusive	eyes similar width from each other. Nasal tip similar distance from upper lip. Distance between the eyebrow and the eye is greater in the unknown
BZH38T	Similar	The shape of head is similar.
CKPXLT	Similar	Similar nose width relative to eyes, upper lip to nose and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Composition – Due to lack of visibility of subject's entire face due to hairstyle of individuals the exact location of was deduce based on what appears to be subject's cranial vault. It is assumed that morphological features of Known and Unknown are concentrated in the lower 2/3rd of subject's face.

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Image Set Q6: Table 4.6(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same in how they are positioned and framed
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition seems similar. The size, shape, and distance of the eyes, nose, and mouth are very similar
H2WQ96	Similar	Proportions/position of features appear similar.
HFB7XM	Similar	
HRQ6L4	Similar	features are of similar proportion relative to other features.
HUCPQ8	Similar	
HYQFYM	Similar	Intercanthal and interpupillary distances, overall nose shape, mouth fissure and chin similar.
JL2M67	Similar	
K3KWNM	Similar	Features are placed in a similar place on the face. Face is similar in length/width. Known face appears fuller. This could be due to weight/angle. The nose is in a similar position relative to the forehead and chin. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance is similar. Interpupillar distance is similar. Ears are placed on the head in a similar position.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from nose to mouth is similar
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown are frontal images with right and left side facial features equally visible. Position and proportion of facial features on the face appear equal between known and unknown.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes, nose, mouth relative to face length appears similar.
PRMQFV	Inconclusive	Nose to mouth distance appears to be shorter on the unknown. Distance between the eyes appears to be similar.
PVM3BV	Similar	relative shape and size of facial features appear to be similar between subjects
PWHKDW	Similar	similar composition
PWYRHE	Similar	proportionate

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Image Set Q6: Table 4.6(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	Relative distances between facial features and their placement seem different.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar tight vertical alignment. The horizontal alignment appears somewhat asymmetric on both subjects.
QYFHZU	Similar	he facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Features are in similar positions relative to the other features in known and unknown.Ears appear slightly lower on unknown but head is tilted back a little.
TBLBPC	Similar	
U6E77R	Similar	similar placement/relationship of eyes to nose, ears, mouth and chin
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar feature spacing and placement. Similar width of nose relative to eyes. Similar width of mouth relative to eyes and nose. Similar distance from nose to upper lip. Similar distance from chin to lower lip. Similar ear position relative to eyes, nose, and mouth placement. Similar eye position relative to face length.
XQMJNP	Similar	The features are evenly spaced on both subjects.
XTNLEQ	Similar	The approximate width of the nose in relation to the distance between the eyes and the width of each eye, as well as the overall distance between the outer corners The approximate width of the nose in relation to the mouth The approximate distance from the chin to the lower lip in relation to the length of the face
XYERF8	[Not Reported]	Similarities: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Eye position relative to face length - Dissimilarities: Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length, Ear lobe position relative to eyes, nose, and mouth
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q6 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	57 (93.4%)	
Dissimilar	1 (1.6%)	
Inconclusive	3 (4.9%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q6: Table 4.6(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar hair color; similar curly hair texture; the known's hair is slightly longer; unable to compare forehead and temporal peak hairline due to hair covering
34T74N	Similar	
3LFL7K	Similar	The hairstyle, texture, color and length are similar on both known and unknown subjects.
3M7MAM	Similar	Similar curly hair.
4T9DRJ	Similar	Both images depict curly hair of similar color.
6JZ4ZJ	Similar	Same texture, Cranial baldness pattern Detailed shape and distribution
7B6GQY	Similar	
7PHQBF	Similar	Both the probe and candidate appear to have similar hair color as well as texture. The hair style appears to be consistent as well. Hairlines cannot be compared due to the length of the hair of both images.
89T2WX	Similar	The color, curliness, and hairstyle are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in dark color and texture/curly. The hair is longer across/covering the forehead in a similar manner in both the known and unknown images.
9GLTHW	Similar	dark brown color, curly nature, and thickness are similar; styling and length are dissimilar, but this could be attributed to grooming differences, as unknown's is shorter/ shaved on the sides and flat along the top, whereas known's is more of a rounded shape along the top; known's appears to be smoother, but this could be due to the hazy quality of unknown image; hairline can't be compared due to hair coverage
9KFMFY	Similar	both have darker color to hair; both have curlier hair types
9U4MPG	Similar	
AKVB9D	Dissimilar	known- bushy/curly hairstyle throughout, unknown- bushy/curly hairstyle on top, short/straight on sides
B2Z6FC	Similar	Both have curly hair with similar texture and color
BZH38T	Similar	The hair curl is similar.
CKPXLT	Similar	Similar tone and texture.
CUYZ8T	Similar	
D2QZYQ	Similar	both dark brown and curly, more curls in known and some lighter coloring throughout known
DA6QFC	Similar	

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Image Set Q6: Table 4.6(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Similar	Hair – Both individuals have similar density, color, and hair texture hair. Known has 3A curls while Unknown has straight dark hair. Although both subject' have 3A curls, Known's is much longer on the sides than the Unknown, with much more visible frizz and volume. Known's curls are more defined than Unknown's which may be attributed to length, products used, and/or time since styling.
EGYH2B	Inconclusive	
ELRHHR	Similar	same curly pattern and same color
FBEYWM	Similar	
FZRJT8	Similar	The hair is similar is of similar style, texture, length, and color
H2WQ96	Similar	Color and texture appear similar. Known's hair appears longer.
HFB7XM	Similar	
HRQ6L4	Similar	similar color, density, and style. Hairline not visible.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is similar in color/texture. Not similar in length. Due to hairstyle, unable to compare hairline.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Hair similar color and texture. Broccoli hair growth patterns and hairline very similar between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	color is similar, both have curly hair, hairline can't be compared due to hair growth in both, texture can't be compared due to quality of the unknown
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have medium-dark hair. The growth pattern, grooming, and hairstyle of known and unknown images are consistent. Known and unknown images have curly, coiling hair that covers the forehead and stops at the brow ridge. Known's hair is a little longer on the front of the head resting just below the eyebrows and the hair is fuller on the sides of the head just above the ears. Unknown's hair is shaved close to the head just above the ears and gets fuller toward the top of the head. The contour of unknown's hairline on the temporal sides of the head appears inconsistent with known individual.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Haie appears similar in texture and style, appears somewhat longer on K.

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Image Set Q6: Table 4.6(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Similar	Tone of the hair is similar. The texture of the hair appears to be similar, curly on both subjects. The fullness of the hair is similar. Knowns hair is longer but growth pattern appears to be consistent.
PVM3BV	Similar	both subjects appear to have curly hair, which is dark brown in color
PWHKDW	Similar	both have curly brown hair, same style
PWYRHE	Similar	same color
PX9LGZ	Similar	Texture is similar.
PY46H2	Inconclusive	texture similar. Hairline not visible due to style.
Q49MUY	Similar	
QTWDAF	Similar	The hairline is not able to be compared due to obstruction. The hair texture is curly on both subjects. The subjects appear to present with a similar dark color.
QYFHZU	Similar	The hair color and style are similar
R273NE	Similar	Both have similar tone and texture coarseness in their hair. Unable to see frontal hairlines due to curly bangs in front on both.
TBLBPC	Similar	
U6E77R	Similar	similar color and texture. The small area where the hairline can be seen, it's similar.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Different haircuts. Similar color, similar curly texture. Hairline is not visible for comparison.
XQMJNP	Similar	Both subjects have dark brown curly hair that is mostly on the top of the head. Known hair is slightly longer than unknown hair.
XTNLEQ	Similar	The texture is consistent, with a pattern of cranial baldness. The shape and distribution are detailed
XYERF8	[Not Reported]	Similarities: Hair: shape/spatial distribution, texture, symmetry, density, tonality - Not comparable: Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape, Cranial baldness pattern: shape, distribution
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	[No observations reported for this feature.]	

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Features Observations Response Summary - Q6 Hair		Total Participants: 61
Response	Percent Reported	
Similar	56 (91.8%)	
Dissimilar	1 (1.6%)	
Inconclusive	3 (4.9%)	
Unable to Compare	0 (0.0%)	
Not Applicable	1 (1.6%)	

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Image Set Q6: Table 4.6(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to hair covering
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Not visible.
3M7MAM	Unable To Compare	Partial forehead occlusion by hair.
4T9DRJ	Unable To Compare	covered by hair on both subjects.
6JZ4ZJ	Unable To Compare	Hair covering the forehead
7B6GQY	Similar	
7PHQBF	Unable To Compare	Cannot be compared
89T2WX	Unable To Compare	Obscured by bangs
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Inconclusive	Difficult to determine as the bangs/hair is covering the forehead area.
9GLTHW	Unable To Compare	due to hair coverage
9KFMFY	Unable To Compare	unable to compare much of forehead due to being covered by bangs from Known(1) and Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	hairstyles prohibit comparison
B2Z6FC	Unable To Compare	Hair covering both
BZH38T	Unable To Compare	The forehead cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Forehead occluded in both Known and Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	hair covers majority of feature in both images
DA6QFC	Not Applicable	
EGJRJR	Similar	Forehead – Subject's hairstyle obscures majority of forehead hindering view, preventing analysis for comparison. Ringlets that cover forehead is longer and greater in Known than Unknown, however curls follow the same fall pattern in the center of subject's forehead
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	covered with hair
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The forehead is obscured by hair and unable to be compared.
H2WQ96	Unable To Compare	Hair is covering forehead in both.

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Image Set Q6: Table 4.6(e) - Forehead

WebCode	Observation	Feature Notes
HFB7XM	Unable To Compare	
HRQ6L4	Unable To Compare	forehead not visible in known image and minimally visible in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Mostly obscured by hair.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	Due to hairstyle, unable to compare
KEBXX2	Unable To Compare	Obscured by hair
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Unable to compare forehead due to hairstyle. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	most of forehead is covered by hair in both therefore cannot be compared
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Similar	Both known and unknown's forehead is mostly covered by curly bangs. The height of the forehead and round contour of the cranial vault appear similar in curvature and size between known and unknown individuals.
PGNVGZ	Unable To Compare	
PKLEJY	Unable To Compare	
PRMQFV	Unable To Compare	Unable to compare, not visible on either known or unknown.
PVM3BV	Unable To Compare	forehead of both subjects is covered by hair and is not comparable
PWHKDW	Unable To Compare	forehead not visible and cannot make a comparison
PWYRHE	Inconclusive	Can't be compared.
PX9LGZ	Unable To Compare	Covered by hair and thus unable to compare.
PY46H2	Unable To Compare	covered by hair
Q49MUY	Similar	
QTWDAF	Similar	The forehead appears to have a similar width and shaping however due to the hairstyle the rest of the details are not able to be compared more thoroughly.
QYFHZU	Unable To Compare	There is hair covering in both
R273NE	Unable To Compare	Not really able to see foreheads in either due to hair being in the way.
TBLBPC	Unable To Compare	

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Image Set Q6: Table 4.6(e) - Forehead

WebCode	Observation	Feature Notes
U6E77R	Unable To Compare	covered with hair
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Forehead is not visible for comparison.
XQMJNP	Unable To Compare	Forehead on both subjects is covered by hair.
XTNLEQ	Unable To Compare	Hair covers the forehead
XYERF8	[Not Reported]	Dissimilarities: Brow ridges: prominence, continuity - visible portion - Not comparable: Forehead shape: relative height, relative width, slope/contour
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Forehead

Total Participants: 62

Response	Percent Reported
Similar	6 (9.7%)
Dissimilar	0 (0.0%)
Inconclusive	5 (8.1%)
Unable to Compare	48 (77.4%)
Not Applicable	3 (4.8%)

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Image Set Q6: Table 4.6(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to definitively compare due to hair covering and image resolution issues; medial distance between eyebrows appears similar
34T74N	Inconclusive	
3LFL7K	Inconclusive	The eyebrows appear to be similar in color, but the length and style are not fully visible due to blurriness.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	The unknown has thinner or fainter/lighter color eyebrows; however, blurriness of the photo of unknown make this uncertain.
6JZ4ZJ	Unable To Compare	covered with hair
7B6GQY	Similar	
7PHQBF	Similar	The growth pattern of the eyebrows appears to be similar between the probe and candidate. The thickness of the eyebrows appears to be similar.
89T2WX	Inconclusive	Partially obscured by bangs, with similar color
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	Knowns brows are partially covered with hair. Similar color (lighter than hair on the images heads) and shape of brows. The hair growth/sparseness appears similar. The start of the brows in relation to the bridge of the nose appears consistent.
9GLTHW	Inconclusive	majority of known's are covered by hair, however what is visible indicates that thickness is similar, but known's are darker in color, which could be due to lighting; approx. distance above the eyes is similar; shape may be similar but it is difficult to compare due to obstruction, lighting, and image quality
9KFMFY	[Not Reported]	difficult to compare much detail of eyebrows due to quality of Unknown(2) and presence of bangs; what is visible of right eyebrow appears to have similar thickness/shape
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	hairstyle prohibits comparison known image. Low quality unknown image limits comparison
B2Z6FC	Dissimilar	Known has darker, fuller eyebrows. Unknown has less hair in eyebrows.
BZH38T	Unable To Compare	The eyebrows cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Eyebrows occluded in both Known and Unknown.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	more hair coverage of eyebrow in known vs unknown, larger space from eye to eyebrown in unkown, lighter coloring in unknown, dissimilar shape and curvature
DA6QFC	Inconclusive	

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Image Set Q6: Table 4.6(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	Similar	Eyebrows – Subjects both have long hair which conceals portions of Known's eyebrows which limited comparison capabilities. Known has darker more prominent eyebrows with a sharp arch angle. Left eyebrow of Known grows to the up and left in medial, slanting down just prior to arch before continuing in toward the left through the arch and lateral area. Unknown eyebrows are asymmetrical and uneven with the right appearing to have a more even distribution of hairs. Left eyebrow is almost half the length of the right which is straight with little to no arch. Unknown's long hair coupled with poor image quality and lighting which preventing proper analysis needed for comparison.
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	some parts are covered with hair
FBEYWM	Unable To Compare	
FZRJT8	Inconclusive	The image quality of the unknown make it difficult to see his eyebrows clearly. They appear to be of similar size and shape
H2WQ96	Unable To Compare	Hair is covering most of the known's eyebrows.
HFB7XM	Similar	
HRQ6L4	Inconclusive	known image eyebrows partially obscured by hair; visible portions appear similar in positioning.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color, shape and texture.
JL2M67	Similar	
K3KWNM	Unable To Compare	Eyebrows are similar in location/color. Due to hairstyle and image quality many
KEBXX2	Unable To Compare	Obscured by hair on the known and barely visible on the unknown due to image quality
KHWG47	Unable To Compare	
L7ZVC2	Similar	Eyebrows have similar angles, coloring, shapes and placement/ hair growth across known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	color appears to be lighter in the unknown but is due to lighting/quality, most of the eyebrows are covered in the known by hair making it hard to compare
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	Known's brows appear darker in color and texture than unknown's brows. Unknown's brows appear similar in length, width, placement and arch height as known image. The distance between the brows appears greater in the unknown image than the known image.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Eyebrows appear to have similar shape based on what is visible for comparison, but appear fuller in K than U.

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Image Set Q6: Table 4.6(f) - Eyebrows

WebCode	Observation	Feature Notes
PRMQFV	Inconclusive	Eyebrows are partially covered on the known. Thicker on the known. Distance from the eyebrows to the eyes is similar. The arch of the brows appear to be similar.
PVM3BV	Similar	brows of known are partially covered by hair, visible portions of both subjects brows appear to be similar in thickness of hair growth and color of the brows
PWHKDW	Unable To Compare	difficult to compare due to the quality of the unk and hair covering eyebrows in the known
PWYRHE	Inconclusive	Can't be compared.
PX9LGZ	Dissimilar	The texture of the eyebrows is different.
PY46H2	Inconclusive	limited similarity- partially covered by hair
Q49MUY	Similar	
QTWDAF	Similar	The subjects appear to have a similar color. The brows appear to be less full on the unknown however this could be due to age, lighting, or grooming. The right brow appears to be higher on both subjects.
QYFHZU	Similar	The eyebrows are the same shape and size. The eyebrow color of the known is slightly darker than the unknown.
R273NE	Similar	Both have similar position above eyes in bother brows. Both known and unknown also have similar growth patterns in both brows.
TBLBPC	Inconclusive	
U6E77R	Similar	what shows through the hair is similar width and thickness
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Part of Known's eyebrows are not visible for comparison due to being covered by hair. Unknown's eyebrows are faint and lack clarity. It looks like the Unknown's right eyebrow is higher than the left. Similar flat shape.
XQMJNP	Similar	Known eyebrows are partially covered by hair. The thickness and color of the eyebrows is similar on both subjects.
XTNLEQ	Unable To Compare	In Image A, the eyebrows are covered with hair, while Image B is of poor quality
XYERF8	[Not Reported]	Dissimilarities: Size - visible portion, Position - visible portion, Density of hair - visible portion - Not comparable: Shape, Conjoined, Hair details, Asymmetry
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q6 Eyebrows		Total Participants: 61
Response	Percent Reported	
Similar	21 (34.4%)	
Dissimilar	3 (4.9%)	
Inconclusive	18 (29.5%)	
Unable to Compare	18 (29.5%)	
Not Applicable	1 (1.6%)	

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Image Set Q6: Table 4.6(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable to definitively compare color due to image quality issues; vertical distance between eyes and eyebrows appears similar; medial intercanthal distance appears similar; the known appears to have more prominent superior palpebral creases compared to the unknown who appears to have more prominent upper eye lids (could be consistent with slight apparent age difference); similar medial canthal shape and prominence; similar shaped inferior palpebral creases that are slightly more prominent in the known, but difference could be due to apparent age and image quality differences
34T74N	Similar	
3LFL7K	Inconclusive	The eyes on the known subject are visible and show upper eyelid folds and lower lid creases. The lower lid creases are somewhat visible on unknown subject but not enough to directly compare. The spacing of the eyes is consistent on both.
3M7MAM	Dissimilar	Variations in eye shape.
4T9DRJ	Inconclusive	The actual fissures of the eyes seem similar but the blurred unknown photo eliminates much of the fine detail.s seem more oval on known compared to more upsidedown smiley face on unknown. creases under eyes on unknown are not on known, creases above eyes also not present on known. Hard to say about color, could be similar but too blurry.
6JZ4ZJ	Similar	Overall shape and position
7B6GQY	Similar	
7PHQBF	Similar	The medial canthus of the eyes appears to be similar between the probe and candidate. The overall shape of the eyes appears to be similar, a little difficult to compare due to the quality of the probe.
89T2WX	Dissimilar	The double eyelids are different, but the eye shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Inconclusive	Similar almond shape, that almost appear squinty in the way the opening is not very wide. Both the known and unknown have dark eye coloring. The upper lid of the known image appears fairly thin, but the unknowns lid crease appears nonexistent…appears hooded. The palpebral sulcus and inferior do not appear to be exact in location/length. This could be due to poor quality image of the unknown.
9GLTHW	Dissimilar	approx. intercanthal distance is similar; degree of hoodedness is dissimilar, as known's are almost completely hooded, whereas unknown's don't appear to be hooded at all, however this could be due to image quality or slight pitch difference; small size of the eyes is similar, but shape is dissimilar, as unknown's upper eyelid is curved and lower lid is relatively linear, and come to a point at the lateral canthus, whereas known's upper and lower lids are slightly curved and don't form as dramatic of points at the canthi; degree of curvature, length, and proximity of the inferior palpebral crease are similar, however known's are more prominent (which could be attributed to quality of unknown image), shorter, and doubled at the medial canthi, however this is not evident on the unknown; darker coloration pattern surrounding the medial canthi and beneath the eyes appears to be similar

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Image Set Q6: Table 4.6(g) - Eyes

WebCode	Observation	Feature Notes
9KFMFY	Similar	both appear to have more narrow eye openings, general outline of eye openings appears to have similar shape; appear to have similar angle to left/right medial canthi; appear to have similar angle to left/right lateral canthi relative to medial canthi; difficult to compare smaller/finer details of eyes due to quality of Unknown(2)
9U4MPG	Similar	
AKVB9D	Similar	wide set eyes, narrow eye fissures
B2Z6FC	Dissimilar	Known has a superior palpebral crease on both eyes. Unknown has epicanthic folds that cover the eye lid
BZH38T	Dissimilar	The shape of eyes and the shape of the superior palpebral crease on the top eyelid are dissimilar.
CKPXLT	Inconclusive	Similar eye angle, iris diameter relative to eye opening, inter-eye distance and visible sclera. Dissimilar eyes and fissure shape and size, iris tone, upper eyelid prominence and pupil position.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	creases on upper lid of known image not in unknown, more creases under eye in known than unknown
DA6QFC	Similar	
EGJRJR	Similar	Eyes – Subjects both have dark eyes with consistent iris to sclera ratio. Individuals have sharp lateral cantus that are very distinct in both small eyes. Overall eye shape is similar in subjects and appear to form angles less than 45 degree opening toward individuals nose. Known has two inferior palpebral creases not seen in Unknown, near medial cantus that seems to form one crease under right eye. Unknown's creases appear similar in location image quality hinder analysis of details need for comparison and could simply be shadowing.
EGYH2B	Similar	
ELRHHR	Similar	same eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Similar	
FZRJT8	Inconclusive	The overall eye size and distance appear similar. The unknown's eyes appear to slant / be more narrow towards the outside of his body, The unknown doesn't have the eyelid crease that the known has but that could be due to poor image quality
H2WQ96	Similar	Intercanthal distance, interpupillary distance, eye fissures size and shape of medial canthus on both eyes appears similar.
HFB7XM	Similar	Upper eyelids lower on unknown. May be caused by pitch and expression.
HRQ6L4	Similar	similar spacing, similar shape of eye fissures; color of unk image dark but not discernable due to image quality. Similar angle of medial and lateral canthus.
HUCPQ8	Similar	
HYQFYM	Similar	Oval fissure, narrow upper eyelid and inferior palpebral crease similar.
JL2M67	Inconclusive	

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Image Set Q6: Table 4.6(g) - Eyes

WebCode	Observation	Feature Notes
K3KWNM	Similar	Eyes are similar in size/shape/location. Eye color is similar in color. Medial canthus is similar in size/shape. Lateral canthus is similar in size/shape. Superior palpebral crease is similar in size/shape/location. Inferior palpebral crease is similar in size/shape/location.
KEBXX2	Similar	Details are visible on the unknown but both have a similar heavy eyelid and overall shape
KHWG47	Dissimilar	Eyelids
L7ZVC2	Similar	Eyes are symmetrical and centered in similar fashion between known and unk. Angles are visible but epithelial folding less visible in unk due to poor photo quality. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape is similar, medial canthus slants downward in both similarly, inferior palpebral creases are more visible in the known and not in the unknown due to quality, scar below the right eye is similar in both, both have dark colored eyes, sclera appears to be similar, superior palpebral creases are more visible in the known due to quality, more of the eyelid is visible in the unknown
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Dissimilar	Potential esotropia
PD3BCW	Dissimilar	Both known and unknown individual's eyes are narrow in width, have a similar downward slant, the upper eyelid almost completely covers the upper portion of the iris and pupil, and each appear to have similarly medium-dark eye color. The superior palpebral crease is not visible on the unknown image and is inconsistent in appearance with the known image. The infraorbital folds appear similar between known and unknown individuals. The intercanthal distance appears consistent between known and unknown individuals.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes appear similar in shape; intercanthal distance appears similar; interpupillary distance appears similar; superior palpebral creases appear deeper in K, not present on right eye of U, may be due to quality; inferior palpebral creases appear in similar location, but deeper in K, may be due to aging/quality; amount of sclera present and size of iris appear similar in both.
PRMQFV	Similar	Prominence of the eyes is similar. The shape of the unknowns eyes are more slanted. Lashes are not full or long on either subject. The shaped of the left and right medial canthus appears to be similar.
PVM3BV	Similar	general shape and size of the eyes appear to be similar - known appears to have more prominent superior palpebral creases as well as inferior palpebral creases around the eyes - the angle of the eyelids appear to be similar between subjects
PWHKDW	Similar	eyes are darker in color, similar shape. both have dark areas underneath theiir eyes
PWYRHE	Inconclusive	Can't be compared.
PX9LGZ	Dissimilar	The upper eyelids on both images are hooded. The shape of the eyes is different - lateral canthus area is more droopy on the unknown image.
PY46H2	Similar	almond shaped, shape of medial canthus

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Image Set Q6: Table 4.6(g) - Eyes

WebCode	Observation	Feature Notes
Q49MUY	Inconclusive	
QTWDAF	Similar	The intercanthal distance appears to be similar in the subjects. The general contour of the fissure appears to be similar. The eyes appear to have a similar deepset nature. The inferior palpebral creases have a similar depth, location, and contour.
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure and medial canthus is similar. The upper and lower eyelids are similar with the inferior palpebral crease in common.
R273NE	Similar	Both have similar position at which eyes sit on face. Both have similar eye shapes and sizes. Both have similar position of under eye lines. Both have scar under right eye in similar position and similar curvature.
TBLBPC	Inconclusive	
U6E77R	Similar	Intercanthal distance is similar. Right and left lower lids are similar in protrusion and shape. right and left eye lateral canthus is similar in shape and angle.
U778AU	Similar	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Unknown's eyes are slightly off from the neutral front-facing position like the Known's. Similar intercanthal distance (eyes are more than one eye-width apart). Somewhat similar elongated narrow eye fissure opening, Unknown's fissures looks more open towards the medial side. More upper eyelid is visible in Unknown than Known. Superior palpebral crease appears closer to the eyebrows in the Unknown, but the lack of clarity and the slight difference in pitch could be contributing to this. Similar inferior palpebral crease, especially under the right eye. Similar infraorbital furrow and shadowing under the left eye, and similar shadowing under the right eye.
XQMJNP	Similar	Both subjects have similarly shaped eyes. Due to poor image quality of unknown, no facial lines under/ around the eyes can be observed.
XTNLEQ	Similar	The general shape and position
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Lower eyelid: prominence, protrusion, Lateral canthus: shape, angle - Dissimilarities: Eye fissure opening: shape,, Eye fissure opening: angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, Lower eyelid: visibility of inferior palpebral crease, visibility of the infraorbital furrow - Not comparable: Interpupillary distance, Eyeball prominence, Sclera: visibility, Medial canthus: caruncle, shape, angle, Asymmetry
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q6 Eyes		Total Participants: 62
Response	Percent Reported	
Similar	39 (62.9%)	
Dissimilar	11 (17.7%)	
Inconclusive	11 (17.7%)	
Unable to Compare	1 (1.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q6: Table 4.6(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar fullness of the cheeks
34T74N	Similar	
3LFL7K	Similar	The cheeks of both show similar fullness and a specific mark under the right eye.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	old vs young and unknown just too blurry.
6JZ4ZJ	Similar	Same shape
7B6GQY	Similar	
7PHQBF	Similar	The shape and fullness of the cheeks appears to be similar between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Inconclusive	Similar and very full/squatty/smashed appearance. Both images have a scar on the right upper cheek, but I am not sure if it is the exact same in length. Distance from under the bottom eye lids to base of the chin is similar. The known image has several marks under both eyes that are not visible on the unknown image. Again, this could be due to poor quality image of the unknown.
9GLTHW	Similar	shape, size, and degree of fullness are similar; cheekbone shape, size, and soft appearance are similar; there is a darker pigmented linear mark on the right cheek beneath the eye that is somewhat similar, however known's appears to be longer and at more of a sloping angle, but this could be attributed to the expression difference and unknown's bulging cheek changing the shape and location of the mark
9KFMFY	[Not Reported]	appear to have similar shape to cheeks
9U4MPG	Similar	
AKVB9D	Unable To Compare	unremarkable, limited comparison due to low quality unknown image
B2Z6FC	Similar	Similar width and prominance.
BZH38T	Similar	The shape of the cheek is similar.
CKPXLT	Similar	Similar cheek bone minimal prominence and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	both have potential scar on cheek, but known is longer and more curved, cheeks more rounded in unknown
DA6QFC	Similar	

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Image Set Q6: Table 4.6(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	Similar	Cheeks – Flat cheeks with facial mark and/or scar consistently on the right cheek in same location. Unknown raised area, mark, and/or scar on right cheek ends in line with lateral canthus of right eye and is almost a straight line. Known has a deeper depression, scar, and/or mark that is left slanted, longer and follows similar angle of inferior palpebral crease. The differences seen in Unknown's which appears more like shadows is possibly due to when injury occurred, image quality, and lighting. Nasolabial fold angles are only visible in Unknown probably due to expression difference since they are not very prominent.
EGYH2B	Similar	
ELRHHR	Similar	same in shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The overall size and shape of the cheeks appear similar. Both have a facial mark under their right eyes
H2WQ96	Dissimilar	Known's cheeks are fuller possibly due to a difference in weight.
HFB7XM	Similar	Wider cheeks on left side.
HRQ6L4	Similar	cheeks similar in shape and prominence; partial smile expression in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Similar in texture and fullness.
JL2M67	Similar	
K3KWNM	Similar	Similar in size/shape/location. Scar on right cheek is similar in location/length/width/shape. Known has several facial markings of various shapes and sizes.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Cheeks are smooth and relatively midline on the face which coincide with the midline of the ears. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks appear fuller in the known but that's due to expression difference, marks throughout the known cheeks are not visible in the unknown due to quality
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Similar	
PD3BCW	Dissimilar	Although unknown has an open-mouthed smile, known's cheeks appear higher and fuller than unknown's cheeks. Known also has faint freckle-like marks scattered around the outer and lower portion of the cheeks that are not visible on the unknown image. There is a thin, slanted line located under the right eye on the upper portion of the right cheek, extending diagonally just below the inner canthus and ending below the lateral canthus that appears equal in placement, direction and size on both known and unknown individual.

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Image Set Q6: Table 4.6(h) - Cheeks

WebCode	Observation	Feature Notes
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Zygomatic bones appear similar in prominence; soft tissue appears similar in shape but a bit fuller in K, may be due to weight.
PRMQFV	Similar	Cheeks appear to be similar, not prominent on either subject. The shape of the cheeks are similar.
PVM3BV	Similar	general fullness of the cheeks appears to be similar between subjects - long horizontal mark can be seen on the right cheek of both subjects in similar location at a similar angle on the cheek
PWHKDW	Similar	
PWYRHE	Similar	proportionate
PX9LGZ	Dissimilar	The cheekbones seem to be higher on the unknown image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The cheeks appear to have a similar squared shaping with a thinner lower portion. The fullness appears to be similar between the subjects.
QYFHZU	Similar	
R273NE	Similar	Both known and unknown have simiar cheek sizes and shapes. Both have similar contouring down through both cheeks.
TBLBPC	Inconclusive	
U6E77R	Similar	similar round cheeks
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar size, shape, and fullness. Cheek bones are not prominent.
XQMJNP	Similar	A horizontal facial line/ scar is located on both subjects right cheek in the same location.
XTNLEQ	Similar	The shape is consistent
XYERF8	[Not Reported]	Similarities: Cheekbone prominence, Cheek shape - Not comparable: Dimples
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q6 Cheeks		Total Participants: 60
Response	Percent Reported	
Similar	46 (76.7%)	
Dissimilar	5 (8.3%)	
Inconclusive	6 (10.0%)	
Unable to Compare	3 (5.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q6: Table 4.6(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar nasal root width and prominence; similar overall nasal length; similar nasal bridge width and prominence; similar overall nasal tip width and bulbous shape; similar shaped nasal alae and attachment; similar columella thickness; similar nostril shape and size
34T74N	Similar	
3LFL7K	Similar	The noses of both known and unknown are similar in shape, especially the nostrils, nasal base, tip, width and length.
3M7MAM	Similar	The nose shapes are essentially identical.
4T9DRJ	Inconclusive	The nostrils seem to line up, angle of unknown is slightly up compared to known, known might be slightly broader (wider) unknown too blurry and contrast washed out. The ala of the nose on unknown is blurred and doesn't seem the same due to lack of detail or contrast.
6JZ4ZJ	Similar	Overall shape
7B6GQY	Similar	
7PHQBF	Similar	The shape of the nostrils appears to be similar between the probe and candidate. The shape of the nasal body on the probe and candidate appears to have some consistencies/ The shape of the nasal base appears to be similar.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Inconclusive	Similar width and length of the bridge of the nose. The distance from sides of the nose to canthus appears consistent. The shape of the nasal tip is similar and rectangular in shape. The width of the columella appear similar. The shape of the nostrils is flared towards the ears respectively. There is a mark on the left nostril that is not visible on the unknown image and there is also a mark outside of the right nostril that is not visible on the unknown image. Again, this could be due to poor quality image of the unknown.
9GLTHW	Similar	overall cone-like shape, small size, and small degree of protrusion are similar; small nostril size is similar; rounded shape of left nostril is similar, however shape of right appears to be dissimilar, but this could be attributed to angle difference; rounded shape and thickness of the alas are similar; columella thickness and shape appear to be similar; known's nasolabial folds are not visible and therefore can't be compared
9KFMFY	Similar	similar overall shape of nasal outline; similar width to nasal base; similar shape/curve to left/right nostrils; appears to have similar thickness of columella; similar shape/curve/thickness of left/right ala; similar shape to nasal tip
9U4MPG	Similar	
AKVB9D	Inconclusive	low quality unknown image limits comparison
B2Z6FC	Dissimilar	Both have similar length nasal body. Known has a wider rounder nasal tip
BZH38T	Similar	The shape of the nose is similar.
CKPXLT	Similar	Similar nose bridge, body, base, alae and columella shape.

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Image Set Q6: Table 4.6(i) - Nose

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Dissimilar	unknown thinner nose bridge, nostril curvature and shape dissimilar
DA6QFC	Similar	
EGJRJR	Similar	Nose – Overall nose shape is similar, but Known appears longer and larger in scale due to subjects proximity to camera. Known has faint freckle, mole, and/or mark at what would be right nasolabial fold and on left ala not visible in Unknown possibly due to image quality. Nasal tip of Known is illuminated and round while Unknown's is not as obvious due to image shadowing. Both subject's hade thick columella that is left leaning almost joining with right side of subject's nasal base. Alas are asymmetrical with the left being thicker and wider than the right resulting in asymmetrical nostrils. Left nostril is are rounded while the right is oblong more oval shaped.
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width, geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The nose is of similar size and shape
H2WQ96	Similar	Shape and size of nasal outline, nasal root, nasal body, nasal tip, nasal base, alae, nostrils, and columella appear similar. Nostrils are asymmetrical in both.
HFB7XM	Similar	Alae slightly wider and thicker on right side.
HRQ6L4	Similar	nasal body similar in shape, length; nasal tip similar in shape and prominence; alae similar in angle and contour; nostrils and columella similar in shape and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Nasal root, body, tip and base similar.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in similar location on the face. Nasal root is similar in length/width/shape. Nasal body is similar in length/width/thickness/shape. Nasal tip is similar in size/shape. Ala are similar in size/shape/thickness. Columella is similar in width/length/shape. Nostrils are similar in shape/size/location. Nasal base is similar in width. Nasolabial folds are similar in location.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nose body, nasal root and nasal bulb exhibit similarities between known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	length of nose is similar, nasal base is similar in width, bridge of nose is similar, nasal root width is similar, nostril shape/size is similar, columnella width is similar, ala thickness is similar, marks on the known nose are not visible in the unknown due to quality, nasolabial folds are visible in the unknown due to expression but not the known

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Image Set Q6: Table 4.6(i) - Nose

WebCode	Observation	Feature Notes
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	Low-resolution known
PD3BCW	Dissimilar	Both known and unknown individuals have a similar short cone shaped nose. The base of known and unknown individual's noses appears similarly flat, and consistent in width. The tip of known's nose appears rounder and more bulbous than unknown's nose. The nasion of known's nose appears to curve inward while unknown's nasion region appears to protrude outwardly. The nasal bridge of the unknown individual appears thinner than known image. The columella of the unknown image appears to extend lower than the ala, while the columella of the known image appears higher in relationship to the ala. The contour and shape of the opening of the nostrils is straighter on the known image than on the unknown image. The unknown image appears to have more angularity in the nasal tip than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasal root appears similar in shape and protrusion; overall size of nose and length appears similar; nasal tip appears more bulbous in K, may be due to pose/quality; columella appears similar in width; alae appear similar in shape; nostrils appear similar in size/shape/asymmetry
PRMQFV	Similar	Length of the nasal body is similar. The knowns nose appears to be wider on the known. The tip of the nose is similar in size. Curvature of the nostrils is similar. Thickness of the columella is similar. Nostril openings
PVM3BV	Similar	general shape of the nose appears to be similar between both subjects - nasolabial folds of the unknown appear to be more prominent, this could be due to the lighting of the image being case from the left side as opposed to the direct light of the known - angle of the nasolabial folds appear to be similar
PWHKDW	Similar	shorter nose bridge. nose of unk appears slightly smaller
PWYRHE	Similar	Platyrrhinic nose
PX9LGZ	Dissimilar	The nasal body and base seem to be wider on the known image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be prominent in the middle on both subjects. The nasal body has a triangular shape on both subjects. The nasal tip appears to be thick with indentions on the side. The ala appears to have a similar thickness and area of connection.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	Both known and unknown have similar nose size and shape. Similar width at root and down through body. Similar nostril and ala shapes. Both have similar nasal tip and columella shapes.
TBLBPC	Similar	
U6E77R	Similar	nasal outline similar on symmetry, prominence, length, width, and overall shape. Nasal root and body appear similar in depth, width and length. Columella is similar in width and length. Nostrils are similare in shape and size of opening.

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Image Set Q6: Table 4.6(i) - Nose

WebCode	Observation	Feature Notes
U778AU	Similar	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Differences in lighting contributing to differences in shadowing/highlighting around the nose area, which could be exaggerating certain features specifically the depth and width of the nasal body. Similar nasal outline and length. Similar rounded nasal tip. Similar width of nasal base related to the position of the eyes. similar shape and thickness of alae. Similar nostril asymmetry (right nostril is more rectangular, and left nostril is more rounded). Similar columella width related to the width of the nasal base.
XQMJNP	Similar	The overall size and shape of the nose and nostrils is similar on both subjects.
XTNLEQ	Similar	The general shape
XYERF8	[Not Reported]	Similarities: Nasal outline: shape, prominence, Nasal root: shape, Nasal body: shape, angle, contour, Nasal tip: shape, angle, Nasal alae: thickness, shape, Nostrils: shape, size – left, Columella: width, length, relative position - Dissimilarities: Nasal outline: length, width, Nasal root: width, length, depth, angle, Nasal body: width, length, Nasal base: width, height, Nostrils: shape, size – right - Not comparable: Nostrils: hair, Asymmetry and deviation
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Nose

Total Participants: 62

Response	Percent Reported
Similar	51 (82.3%)
Dissimilar	6 (9.7%)
Inconclusive	4 (6.5%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q6: Table 4.6(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable and difficult to fully compare due to image quality issues and hair partially covering; ear lobe shape, relative size and attachment appears similar; similar shape and outward protrusion of lower right anti-helix; similar vertical shape of lower helix in left ear
34T74N	Similar	Partially UC.
3LFL7K	Similar	The antihelix and lobes of both subjects are visible and appear very similar.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Similar	Both have detached ear lobes, similar look for what is visible of ears. The fine detail of unknown is blurry. Weird right ear looks notched.. The left ear looks very good but is blurry.
6JZ4ZJ	Unable To Compare	cover with hair
7B6GQY	Similar	
7PHQBF	Similar	The shape of the antihelix on the right ears appears to be similar between the probe and candidate. The shape of the left and right lobes appears to be similar between the probe and candidate.
89T2WX	Similar	Partially obscured by hair, with similar lower part
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Inconclusive	Similar in the lower half in which can be compared as the knowns upper portion of the ear is covered by hair. The placement and shape of the interior notch is consistent. The anti-helix shape and curve is also consistent. Fullness and shape and placement of the lobes are consistent in both the known and unknown images. The known image has a mark on each right and left lobe that is not visible on the unknown image. Again, this could be due to poor quality image of the unknown.
9GLTHW	Inconclusive	upper portion of known's ears are covered by hair and therefore are not available for comparison, however the portion that is visible indicates that shape, thickness, and protrusion degree appears somewhat similar; lobe thickness, attachment, and rounded outer shape are similar, however some of the lobe details appear to be dissimilar, which could be attributed to the subtle angle differences or quality of the unknown image, altering the shape/appearance; concha shape appears to be similar for both
9KFMFY	Similar	similar shape/size to right/left lobes; protrusion/visible curve of right/left antihelix similar; overall shape of lower halves of the ear appear similar; unable to compare details of upper left/right ears due to hair of Known(1), also partially obscured by angle of head
9U4MPG	Similar	
AKVB9D	Unable To Compare	low quality unknown image prohibits full comparison
B2Z6FC	Inconclusive	Known has a helix that is close to the head while the unknown's flares out. Known has a longer lobe. Top of Known's ears covered by hair
BZH38T	Similar	The shape of the earlobe is similar.
CKPXLT	Inconclusive	Similar right and left ear lobe shape and size. Dissimilar overall ear shape, angle and prominence.

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Image Set Q6: Table 4.6(j) - Ears

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Dissimilar	shape of lower lobe dissimilar between two images
DA6QFC	Inconclusive	
EGJRJR	Similar	Ears —Unknowns left ear has a short helix recurve that is obscured by triangular fossa with distinct triangle shape into subjects antihelix. Both individuals have protruding French horn shaped antihelix in right ear. Unknown right ear that sits closer to subjects head with a thick helix that cannot be verified in Known who's ears are covered by individual hair thus preventing analysis for comparison beyond lower half. Known has a freckle, mole, and/or mark on the antitragus of both ear in almost symmetrical location not visible in Unknown possibly due to image quality. Antitragus of left ear is more pronounced in both individuals.
EGYH2B	Similar	
ELRHHR	Similar	same shape and same earlobe
FBEYWM	Similar	
FZRJT8	Similar	The ears of the known are partially obscured by hair. The lower half of the known's ears appear similar to the unknown's
H2WQ96	Similar	Unknown's image is blurry and tops of ears in known are covered by hair, but shape and size of lobes, intertragic notch, posterior auricular furrow, antitragus, and antihelix appears similar.
HFB7XM	Similar	Only lower part is comparable. Shape of lobes. More protruding left ear.
HRQ6L4	Similar	ear lobes, antitragus, and antihelix similar in shape and contour. Superior portion of known image ears obscured by hair.
HUCPQ8	Similar	
HYQFYM	Similar	Overall shape and details appear similar.
JL2M67	Inconclusive	
K3KWNM	Similar	Ears are located in a similar place. Helix is similar in shape. Half of the ear is covered by hair in the Known. Anti-helix is similar in shape/size. Lobe is similar in size/shape/attachment. Tragus is similar in size/shape/location. Anti-tragus is similar in size/shape/location.
KEBXX2	Similar	The tops of the known's ears are obscured by hair but the lobes appear similar
KHWG47	Unable To Compare	
L7ZVC2	Similar	Ears are somewhat obscured in known due to hairstyle. Earlobes are similar in both. Unattached and have large lobes in both known and unk. Antihelix is visible in both and are similar. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	only the lower half of the known ears are visible for comparison due to hair growth, ear lobe shape/size is similar, mark on the right ear that is not visible in the unknown due to quality, intertragic notch appears to be similar but can't be certain due to quality of the unknown
LQZ4DH	Similar	Overall shape and protrusion, Helix, Anthehelix, Lobule (Lobe)

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Image Set Q6: Table 4.6(j) - Ears

WebCode	Observation	Feature Notes
P6CLXG	Similar	
PD3BCW	Dissimilar	Only the lower portion of the ears are visible in the known image. The ears of the unknown individual are blurred, causing some distortion. The overall placement, size and shape appear similar between known and unknown individuals. The contour of the earlobes appears slightly inconsistent between known and unknown images. Unkown individual's ears appear to have a slight outward angle while the contour of known individual's ears appears to be more vertical.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Left concha appears similar in width; antitragus appears similar in protrusion; lobe appears similar in shape and size; tragus appears somewhat more protruded in K, may be due to quality. Right ear antihelix, antitragus appear similar in protrusion and lobe appears similar in size and shape; facial mark on left earlobe of K not visible in U, may be due to quality.
PRMQFV	Similar	Upper part of the knowns ears are partially covered by hair. The curvature of the lobes are similar. The size of the lobes are consistent. Curvature of the right anti helix is similar.
PVM3BV	Similar	most of the ears of the known are not visible - lower half of the known ears appear to be similar in outline compared to the unknown, the unknown image quality makes comparing details difficult
PWHKDW	Similar	What can be seen in the images, they appear to have simliar characteristic
PWYRHE	Similar	Helix and antihelix lobes
PX9LGZ	Unable To Compare	
PY46H2	Similar	left lobe/ antitragus, right concha
Q49MUY	Inconclusive	
QTWDAF	Similar	The subjects both present with a squared and pronounced antihelix. The lobes appear large and similarly shaped on both subjects.
QYFHZU	Similar	Only the bottom part of the ears are visible in the known. From what is visible, the ears are similar in shape and location.
R273NE	Similar	Both known and unknown have similar protrusion from head at bottom halves of ears. Unable to see tops of ears of known due to hair. similar antihelix shapes in both ears. Similar earlobe shapes and sizes.
TBLBPC	Inconclusive	
U6E77R	Similar	left ear concha shape is similar in both subjects. Left and right lobes are similar in size, shape, and being detached.
U778AU	Similar	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	

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Image Set Q6: Table 4.6(j) - Ears

WebCode	Observation	Feature Notes
XPRZMN	Similar	Superior portion of Known's ears not visible for comparison. Similar appearance of left ear protrusion, dissimilar appearance of right ear protrusion (explainable difference). Similar depth and shape of left concha. Similar shape of left antitragus and intertragic notch, similar contours/size/shape of left lobe. Right ear of Unknown not as clear, but lobe appears similar in size/shape, and the angle of the inferior antihelix appears like it could be similar.
XQMJNP	Similar	The top of known ears is covered by hair. The shape of the visible portion of ears is similar to that of the unknown ears.
XTNLEQ	Unable To Compare	In Image A, part of the ears is covered with hair
XYERF8	[Not Reported]	Similarities: Asymmetry - visible portion, Ear protrusion – left, Antihelix: size, shape - visible portion, Concha: size, shape – left, Lobe: size, shape, attachment - visible portion - Dissimilarities: Ear protrusion – right, Tragus: size, shape, protrusion – right - Not comparable: Overall ear: size, shape angle, Helix: size, shape, Tubercles: size, shape, quantity, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape – right, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Abnormalities
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Ears

Total Participants: 62

Response	Percent Reported
Similar	43 (69.4%)
Dissimilar	3 (4.8%)
Inconclusive	10 (16.1%)
Unable to Compare	6 (9.7%)
Not Applicable	0 (0.0%)

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Image Set Q6: Table 4.6(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar overall size; similar distance between upper lip and nose; the upper lip appears more prominently shaped in the known than the unknown, but could be due to image quality issues; the upper lip shape does appear to laterally end in a similar location relative to the ends of the mouth the lower lip appears more full in the known, but could be due to image quality issues; the unknown looks like they could be wearing a mouth piece as there is no definition/separation to what could be the teeth (this could be altering the appearance of the lips)
34T74N	Inconclusive	
3LFL7K	Similar	The mouths of both show that the lower lip is almost level with a crease on the mentolabial sulcus. The upper lip is not clearly visible on unknown subject due to blurriness.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	right side of mouth the top curve is similar, the lips. The outline of the lips is not visible on the unknown or is much smaller but there is an expression difference and the unknown is too blurry.
6JZ4ZJ	Unable To Compare	Image B poor quality and mouth open
7B6GQY	Similar	
7PHQBF	Similar	The fullness of the upper lips appears to be similar between the probe and candidate. The fullness of the lower lips appears to be consistent between the probe and candidate as well. The overall shape of the mouth between the probe and candidate looks to be similar. Both images appear to have shorter upper lip compared to their bottom lip. Also, the upper lip gives almost an M shape in both the probe and candidate.
89T2WX	Similar	The mouth shape and width are similar
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	placement of the mouth in relation to the nose and chin is consistent. The lip width is similar. The length of the lips and mouth fissure appear similar. The commissures on both right and left side appear to slant downward in a consistent fashion.
9GLTHW	Dissimilar	overall shape, size, and degree of protrusion appears to be similar, however due to expression difference (known's mouth closed versus unknown's open and potentially wearing a mouth guard) and quality of unknown image, most of the characteristics can't be compared; shape of lower vermillion border is somewhat similar, however lip thickness is dissimilar, but this could potentially be due to expression difference or lighting/quality of unknown image concealing true thickness; shape of upper vermillion border appears to be dissimilar, as known's prominent alas and "v" shape created where they meet, are not visible/ evident on the unknown, but unsure if this is due to pure difference or quality concealing true shape; unknown also appears to have a tubercle whereas known doesn't; upper lip thickness is dissimilar, as unknown's appears to be thinner along the outer edges and thinner in the center, whereas known's thickness is more uniform; unknown has a prominent mentolabial sulcus, however known doesn't

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Image Set Q6: Table 4.6(k) - Mouth

WebCode	Observation	Feature Notes
9KFMFY	[Not Reported]	expression difference, Known(1) has more neutral expression with mouth closed while Unknown(2) has mouth open with more smiling expression and some of teeth visible; difficult to compare smaller/finer details of mouth due to quality of Unknown(2); appears to have similar shape of upper lip; curve of lower lip appears similar
9U4MPG	Similar	Possibly wearing dental protection in unknown(?)
AKVB9D	Inconclusive	difference in expression and low quality unknown image limits comparison
B2Z6FC	Dissimilar	Known has a fuller upper lip with a well defined cupids bow. Unknown's lips are stretched due to possible upper mouth guard.
BZH38T	Unable To Compare	The mouth cannot be compared due to one's smiling.
CKPXLT	Inconclusive	Similar fissure and mouth corner shape and angle and, lip tone. Dissimilar overall mouth shape and size, upper and lower lip size and, teeth visibility.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	unknown upper lip thinner than known, cupids bow more pronounced in known
DA6QFC	Inconclusive	
EGJRJR	Similar	Mouth – Distance from nasal base to upper lip is consistent in subjects. Known philtrum appears shallow into visible upper vermillion boarder while Unknown's is not visible at all. Subjects have pink lip that are even tone throughout, similar thickness with bottom lip appearing thicker than upper lip. Known has freckles, moles, and/or marks middle way above right upper lip, in line with left ala and another near right lateral cantus. All are not seen in Unknown possibly due to neural expression and, lighting, and image quality. Although expression in subject's differ mentolabial sulcus sits consistently about a centimeter below tori of lower lip and at same distance from chin. Known has a mole, freckle, blemish, and/or mark just left of subject mentolabial sulcus and another directly on it.
EGYH2B	Similar	
ELRHHR	Similar	same shape and texture
FBEYWM	Inconclusive	
FZRJT8	Inconclusive	The unknown's mouth is open and the image quality is poor so it is difficult to determine the size and shape of his lips
H2WQ96	Dissimilar	Known's lips appear fuller, but it appears that the unknown is wearing a mouth guard (looks smooth, no separation or lines between teeth and it appears that the unknown is wearing a sports jersey). Width of mouth appears similar, though.
HFB7XM	Similar	
HRQ6L4	Similar	unk image has what appears to be a sports mouthpiece in mouth; overall width similar; known image lips appear fuller, possibly due to mouthpiece in unk image.
HUCPQ8	Similar	
HYQFYM	Similar	Fissure and overall size appear similar.

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Image Set Q6: Table 4.6(k) - Mouth

WebCode	Observation	Feature Notes
JL2M67	Similar	
K3KWNM	Similar	Mouth is place in a similar location. Vermillion border is similar in shape. Unknown is smiling showing teeth. Upper lip is similar in size. Lower lip is similar in size/shape. Philtrum is similar in location/shape/size. Philtrum appears more prominent in the Unknown. This could be due to smiling expression. Marionette lines are similar in size/shape/length/location.
KEBXX2	Dissimilar	Facial expression is different - closed vs open. The known's appear fuller but this could be due to facial expression. Both appear to me to have a mentolabial sulcus
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Mouth placement and angles of corners are consistent across both known and unk. Lips appear fuller in known. Unk seems to have a mouth guard in place which may add to distortion along with poor image quality. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Inconclusive	unknown mouth is open with teeth showing and the known has a neutral expression with mouth close, lips appear to be fuller in the known but that's due to mouth being closed, mark on the right side of known mouth that isn't visible in the unknown due to quality, philtrum is hard to compare due to quality of the unknown
LQZ4DH	Similar	Overall shape, labial commissure
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Dissimilar	Unknown's mouth is open in a partial smile, exposing a portion of the upper and lower teeth. Known's mouth is closed with a neutral expression. Known has very full lips with clearly defined vermillion boarder, cupid's bow and oral commissures. Known's philtrum appears wider than unknown's philtrum. Unknown's upper and lower lips appear to be thinner than known. The lower lip on both known and unknown images has a slight downward turn. The labiomental crease is visible and similar in placement under the lower lip on each of the known and unknown images but appears slightly inconsistent in length and curvature. The upper lip of the known image is wider than the unknown image. The upper lip appears to extend past the lower lip of the unknown image while the upper lip appears shorter than the lower lip on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Overall size of mouth appears larger in K; upper vermillion border appears more defined in K, shape appears similar on right side and left side, tubercle appears more protruded in U; upper and lower lips appear fuller in K, may be due to expression; overall tone and texture of lips appear dissimilar; mentolabial sulcus appears similar in location and depth.
PRMQFV	Inconclusive	There is a difference in expressions, known has a more neutral expression and unknown appears to be smiling. Shape of the mouth is similar. Upper lip appears to be thinner on the unknown, possibly due to the difference in image quality. The marionette lines are more prominent on the known. Tone of the knowns lips are more pinkish.
PVM3BV	Inconclusive	expression of the mouth differs - thickness of the lips appear to differ - angle of the corners of the mouth appear to be similar - mentolabial sulcus appears to be present on both subjects

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Image Set Q6: Table 4.6(k) - Mouth

WebCode	Observation	Feature Notes
PWHKDW	Inconclusive	shape of the mouth appears similar, but difficult to compare due to quality of unk.
PWYRHE	Similar	same
PX9LGZ	Dissimilar	The lips on the unknown image seem narrower and pihltrum shorter than on the known image. The mentolabial sulcus seems different.
PY46H2	Inconclusive	both similarities and differences (expression)
Q49MUY	Similar	
QTWDAF	Similar	The fissure of the mouth appears to be similar with sections lateral from the cupids bow that rise slightly. The nostrils appears to have a similar asymmetry and shape.
QYFHZU	Similar	The subject's lips are together in the known and smiling with lips apart in the unknown. The size, shape, and placement are similar.
R273NE	Similar	Known and unknown have similar mouth end shapes, similar fissure despite unknown's mouth being open. Known's lip sizes look bigger but thats due to emotion differentce and mouth closed.
TBLBPC	Inconclusive	
U6E77R	Unable To Compare	unk subject pic is blurry, can't see lips clearly
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Philtrum is not clearly defined. Mouth width appears similar. Unknown's lips do not look as full as the Known's and there isn't clear definition of the vermillion border. Similar flat mentolabial sulcus shape; the sulcus looks closer to the lower lip in the Known than in the Unknown. The Unknown appears to be wearing an athletic uniform and I think he might be wearing a mouthguard; it's possible that the mouthguard is stretching out the lips or causing them to roll inward which is a possible cause for the thinner lips and larger space between the sulcus and lower lip.
XQMJNP	Similar	Unknown has an open mouthed smile exposing his teeth and causing the lips to be stretched thinner. The curvature/ shape of the upper lip is the same on both subjects.
XTNLEQ	Unable To Compare	In Image B, the quality is poor, and the mouth is open
XYERF8	[Not Reported]	Dissimilarities: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, fullness, protrusion, lower vermillion border shape, detail - Not comparable: Lip fissure: shape, degree of contact, angle, Asymmetry, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q6 Mouth		Total Participants: 60
Response	Percent Reported	
Similar	26 (43.3%)	
Dissimilar	9 (15.0%)	
Inconclusive	19 (31.7%)	
Unable to Compare	6 (10.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q6: Table 4.6(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar jawline shape and prominence; similarly shaped and prominent chin with similar definition between the chin and the lower lip
34T74N	Similar	
3LFL7K	Inconclusive	The chin of both projects just below the mentolabial sulcus. The shape of the jawline is not very visible on the unknown subject due to blurriness.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	so undefined on unknown due to blur.
6JZ4ZJ	Similar	Overall shape
7B6GQY	Similar	
7PHQBF	Similar	The contour of the jawline appears to be similar between the probe and candidate. As well as the shape of the chin appears to be consistent between the probe and candidate.
89T2WX	Similar	The contour is similar, but the details are not distinct
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Similar in shape and width. The distance from the bottom lip to the chin is similar. The placement of the mentolabial crease is consistent. The known image has several markings on the chin area that are not visible on the unknown image.
9GLTHW	Inconclusive	curved shape of the jawline is similar, however known's is more defined with a prominent gonial angle, whereas unknown's is softer in appearance; width, short height, shape, rounded contour, and subtle prominence of the chin are similar
9KFMFY	Similar	shape/size of chin similar; appears to have similar curve to jawline
9U4MPG	Similar	
AKVB9D	Inconclusive	low quality of unknown image prohibits comparison
B2Z6FC	Dissimilar	Known has a more angled gonial angle. Unknown has a more defined mentolabial sulcus possibly due to mouth guard?
BZH38T	Similar	The jawline is similar.
CKPXLT	Similar	Similar shape, size and angle.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	deeper crease in unknown image, more circular chin prominence
DA6QFC	Similar	
EGJRJR	Similar	Chin/Jawline – Known has shorter, square jawline into a rounded chin. Unknown has jawline is not as sharp but a chin that protrudes slightly forward. Both subjects chin almost seamlessly blends into subjects neck.
EGYH2B	Similar	
ELRHHR	Similar	same shape

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Image Set Q6: Table 4.6(l) - Chin/Jawline

WebCode	Observation	Feature Notes
FBEYWM	Similar	
FZRJT8	Similar	The chin and jawline are similar. The known has facial marks that the known does not appear to have
H2WQ96	Similar	Unknown image is blurry, but overall shape of chin and jawline appears similar.
HFB7XM	Similar	
HRQ6L4	Similar	chin and jawline similar in contour and prominence; mentolabial sulcus similar in length and prominence.
HUCPQ8	Similar	
HYQFYM	Similar	Overall shape appears similar.
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in location/shape/size. Mentolabial sulcus is similar in size/shape/depth/location. Jawline is similar in shape. Jawline in the Known appears larger. Gonial angle is similar in shape.
KEBXX2	Similar	Unknown's image quality is poor but both seem to have a chin crease
KHWG47	Similar	
L7ZVC2	Similar	Sulcus and chin look similar. Rounded shapes of both with creasing under bottom lip similar.
L8289G	[No observations reported for this feature.]	
LADNAL	Inconclusive	due to quality of the unknown it's hard to say for certain about the size/shape of jawline/chin, mentolabial sulcus appears to be visible in both and appears similar, marks on the known chin are not visible in the unknown due to quality
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	
PD3BCW	Dissimilar	The unknown image quality is blurred and distorting some of the details of the chin. The overall size of unknown's chin appears smaller than known's chin. Unknown's chin appears shorter in height and rounder than known image. Known image has a few small, round dark marks on the chin that do not appear on the chin of the unknown image. The gonial angle of the unknown image appears sharper/higher than known's gonial angle. Both appear to have similar fullness under the chin.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Chin appears similar in size and shape from what is visible; facial marks present on chin of K and appears more protruded, may be due to quality/time.
PRMQFV	Inconclusive	Chin is rounded on known, due to the quality of the unknowns image unable to see curvature of the chin.
PVM3BV	Similar	the chin region of the unknown is poor in quality and is hard to determine details, general shape and angle of the chin/jawline appears to be similar
PWHKDW	Similar	chins are round and jawline is similar
PWYRHE	Similar	proportionate

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Image Set Q6: Table 4.6(I) - Chin/Jawline

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	The jawline and chin seems stronger and more prominent on the known image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The chin appears to have a similar width and height. The mentolabial sulcus appears to be similar in depth and contour. The jawline appears to be longer/taller in the unknown however this is likely due to the change of expression.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	Both have similar gonial angles and jawline shape. Chin shapes and sizes are similar.
TBLBPC	Similar	
U6E77R	Inconclusive	unk subject appears to possibly have round chin but hard to see. Gonial angle is similar
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	~*~Chin/Jawline~*~ Similar wide jaw and chin shape. Known has a more defined and angular gonial angle (age difference).
XQMJNP	Similar	Both subjects have a similar jawline with a slightly protruding chin
XTNLEQ	Similar	The general shape
XYERF8	[Not Reported]	Similarities: Chin: overall shape, width relative of rest of face, prominence, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry - Dissimilarities: Chin: length
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Chin/Jawline

Total Participants: 62

Response	Percent Reported
Similar	46 (74.2%)
Dissimilar	6 (9.7%)
Inconclusive	9 (14.5%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q6: Table 4.6(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar relative neck width; the known has several neck creases that aren't visible in unknown, but could be due to image quality issues
34T74N	Similar	
3LFL7K	Inconclusive	The necks of both are consistent in width and length, but the creases are not visible due to blurriness.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	not much of unknown neck is visible
6JZ4ZJ	Similar	Width and Height
7B6GQY	Similar	
7PHQBF	Dissimilar	The candidate has visible neck wrinkles but not on the probe due to the quality of the probe.
89T2WX	Similar	The contour is similar, but the details are not distinct
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Inconclusive	The width of the neck appears similar. I am not able to see creases on the unknown images neck that are viewable on the known image. The known image has several markings on the neck area that are not visible on the unknown image. Again, this could be due to poor quality image of the unknown.
9GLTHW	Similar	narrowness, length, and smooth musculature are similar; known has two prominent neck creases that are parallel with each other, with the lower one bifurcating to the right, however these are not visible on the unknown, but this could be due to the quality of the image
9KFMFY	[Not Reported]	unable to compare much detail of neck due to quality of Unknown(2); approx. width of neck relative to head appears similar
9U4MPG	Similar	
AKVB9D	Inconclusive	limited comparison due to low quality unknown image
B2Z6FC	Similar	Both have similar width necks. Hard to compare due to unknown being blurry
BZH38T	Similar	The length of the neck is similar.
CKPXLT	Similar	Similar width and height.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	creases and marks on known which do not appear in unknown
DA6QFC	Similar	

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Image Set Q6: Table 4.6(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	Similar	Neck – Pitch of Unknown, attrite worn, and quality of image prevents view of subject's neck hindering analysis needed for comparison. Known has a short neck with 2 horizontal crease on right of neck near base that are parallel to each other with the lower crease being deeper but the first extending further. Known also has a horizontal crease at neck's base that creates a fork at the center form forming an Y for 2 creases to emerge, something that is absent in Unknown. Small freckle, mole, and/or mark on right side of Known's neck below crease, in midline just below chin, and in line with Y on the faint horizontal crease in the center of neck not seen in Unknown.
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	some parts of the unknown profile are not visible
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The neck appears similar in size and shape. The known has facial marks on his neck that the unknown doesn't appear to have
H2WQ96	Dissimilar	Neck appears thinner in unknown. This may be due to a difference in weight. Marks and lines on neck cannot be compared due to the blurry image of the unknown.
HFB7XM	Unable To Compare	
HRQ6L4	Similar	similar in length and width.
HUCPQ8	Similar	
HYQFYM	Similar	Narrow. Details obscured by lighting and image quality of unknown.
JL2M67	Similar	
K3KWNM	Similar	Similar in length/width. Known has markings that are not visible in the Unknown due to image quality. Neck wrinkles are not visible as well.
KEBXX2	Inconclusive	Can't see details on unknown but overall shape is similar to me
KHWG47	[No observations reported for this feature.]	
L7ZVC2	Inconclusive	Neck in unk is obscured due to poor image quality and therefore comparison is inconclusive.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	some of the neck is covered in the unknown due to clothing, marks on the neck of the known are not visible in the unknown due to quality, neck creases are visible in the known but not really in the unknown due to quality, width appears to be similar
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Inconclusive	Due to the blurred quality of the unknown image, details on the neck are not clear. The height, weight and width of the neck appears similar between known and unknown individuals. There are two parallel neck creases across known's neck that are not visible on unknown image due to quality.
PGNVGZ	Inconclusive	

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Image Set Q6: Table 4.6(m) - Neck

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Neck appears similar in width and length; neck creases and facial marks visible on K, not present in U, may be due to quality/time.
PRMQFV	Dissimilar	Length and width of the neck is similar. The known has creases on the neck, not found on the unknown.
PVM3BV	Similar	relative thickness of the neck appears to be similar between subjects - creases can be seen on known, quality of unknown prevents determination of creases
PWHKDW	Inconclusive	difficult to compare due to quality of unk
PWYRHE	Similar	long
PX9LGZ	Similar	The width is similar.
PY46H2	Similar	
Q49MUY	Inconclusive	
QTWDAF	Similar	The appears to have a similar width however the rest of the fine features aren't able to be compared due to quality.
QYFHZU	Similar	
R273NE	Similar	Known and unknown have similar neck thickness and though unknown image is a little blurry down around neck, bottom neck line visible on known clearly can be seen on unknown.
TBLBPC	Similar	
U6E77R	Similar	similar thickness
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar width/height relative to head width/height. There are two prominent creases across Known's neck that are not clearly visible in Unknown (due to image quality?)
XQMJNP	Similar	Necks appear similar in size. Known has several facial marks on the neck and horizontal facial lines. No facial lines or marks can be visualized on unknown neck; this could be due to poor image quality and/or age difference.
XTNLEQ	Similar	The width and height
XYERF8	[Not Reported]	Similarities: Overall neck: width, height, details - Dissimilarities: Laryngeal prominence: shape, size, prominence, location
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q6 Neck		Total Participants: 59
Response	Percent Reported	
Similar	31 (52.5%)	
Dissimilar	5 (8.5%)	
Inconclusive	18 (30.5%)	
Unable to Compare	4 (6.8%)	
Not Applicable	1 (1.7%)	

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Image Set Q6: Table 4.6(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed in either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	None
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	[Not Reported]	both do not have facial hair present
9U4MPG	Not Applicable	
AKVB9D	Inconclusive	low quality of unknown image prohibits comparison
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Similar	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Inconclusive	

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Image Set Q6: Table 4.6(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	Low-resolution known
PD3BCW	Not Applicable	no facial hair on either individual
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No facial hair observed on either subject.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Inconclusive	not evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q6: Table 4.6(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: Above upper lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Below lower lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Cheeks/chin jawline: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Neck: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q6 Facial Hair — Total Participants: 61

Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	0 (0.0%)
Inconclusive	5 (8.2%)
Unable to Compare	1 (1.6%)
Not Applicable	54 (88.5%)

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Image Set Q6: Table 4.6(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Similar	The only facial line visible is at the metolabial canthus and is consistent on both subjects. Any other facial lines are not visible due to blurriness of unknown subject's photo.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	The right nasolabial fold is more visible than on known - possible due to expression. Lines are missing on the unknown due to blurriness like the right and left superior palpebral creases very clear on known, non-existent on unknown.
6JZ4ZJ	Similar	inferior palpebral crease Nasolabial Fold
7B6GQY	Similar	
7PHQBF	Inconclusive	The probe has faint nasolabial folds while the candidate does not, there is a slight expression difference between the two which could explain why the candidate's lines are not visible. The candidate have inferior left and right palpebral creases that are not visible on the probe. Could be do to poorer quality of the probe.
89T2WX	Similar	The wrinkles below the lower lip are similar
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Similar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Similar	appears to have similar curve of mentolabial sulcus; what is visible of right inferior palpebral creases appears similar; nasolabial folds of Unknown(2) appear more prominent than Known(1) which can be from the expression difference; difficult to compare smaller/faint facial lines due to quality of Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Similar	similar inferior palpebral creases- both eyes, nasolabial fold/crease noted on unknown. low quality unknown image limits comparisons
B2Z6FC	Dissimilar	Known has inferior palpebral crease. Both appear to have a mentolabial sulcus.
BZH38T	Inconclusive	
CKPXLT	Similar	Similar right inferior palpebral crease, right infraorbital crease and mentolabial sulcus shape and placement.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	nasolabial creases present in unknown not in known
DA6QFC	Not Applicable	
EGJRJR	[Not Reported]	As previously mentioned.

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Image Set Q6: Table 4.6(o) - Facial Lines

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Similar	Both have similar nasolabial creases, the unknown's are more distinct with his mouth being open.
H2WQ96	Similar	Unknown image is blurry and cannot compare most facial lines, but the mentolabial sulcus appears similar.
HFB7XM	Similar	Mentolabial sulcus.
HRQ6L4	Similar	inferior palpebral creases appear similar in contour and length. Superior palpebral creases appear slightly lower in unk image possibly due to pose; neck lines present in known image not visible in unk image possibly due to quality.
HUCPQ8	Similar	
HYQFYM	Similar	Nasolabial folds and infraorbital lines similar.
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Unable To Compare	Unknown's image quality is too low for detailed comparison
KHWG47	Dissimilar	
L7ZVC2	Similar	Nasolabial lines more visible in unk due to mouth guard ? Known does not show facial lines except under eyes. Lines under eyes seems consistent but poor image quality of unk inhiboits comparison. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Infraorbital creases, mentolabial sulcus
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Not Applicable	
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasolabial fold on right side of U appears deeper, may be due to expression; lines from corners of mouth appear similar.
PRMQFV	Dissimilar	Mentolabial sulcus is found in a similar area, more prominent on the unknown. The inferior palpebral creases are found in similar locations, more prominent on the known.
PVM3BV	Similar	mentioned in the eyes, nose, mouth, and neck sections above
PWHKDW	Not Applicable	
PWYRHE	Inconclusive	Can't be compared.
PX9LGZ	Not Applicable	

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Image Set Q6: Table 4.6(o) - Facial Lines

WebCode	Observation	Feature Notes
PY46H2	Similar	chin, cheeks
Q49MUY	Inconclusive	
QTWDAF	Unable To Compare	other than above there are none that are able to be compared due to quality.
QYFHZU	Not Applicable	
R273NE	Similar	Line at top of chin is in similar position and curvature. Can only barely see nasolabial lines on known, but does appear to be similar as those on unknown.
TBLBPC	Inconclusive	
U6E77R	Similar	Right and left inferior palpebral creases are similar in position and shape in each subject
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar inferior palpebral creases, infraorbital creases, and wrinkles on neck. Known has a line under the medial right eyebrow. Unknown has nasolabial creases not present in the Known.
XQMJNP	Inconclusive	Due to poor image quality of unknown, facial lines are not noticeable.
XTNLEQ	Similar	The inferior palpebral crease
XYERF8	[Not Reported]	Similarities: Inferior palpebral crease, Infraorbital crease, Mentolabial sulcus- Dissimilarities: Superior palpebral crease, Nasolabial crease, Marionette lines, Wrinkles on neck - Not comparable: Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Circumoral striae,. Cleft chin, Buccal creases, Other creases
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Facial Lines	Total Participants: 60
Response	Percent Reported
Similar	28 (46.7%)
Dissimilar	7 (11.7%)
Inconclusive	11 (18.3%)
Unable to Compare	4 (6.7%)
Not Applicable	10 (16.7%)

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Image Set Q6: Table 4.6(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Similar	there is a similarly shaped and prominent apparent scar in similar relative location under the right eye in both individuals
34T74N	Similar	
3LFL7K	Similar	What appears to be a scar under the right eye is in the same location on both subjects.
3M7MAM	Similar	Similar scar under the right eye.
4T9DRJ	Similar	There seems to be a scar on both images under the right eye. The scar is not the same length on both and doesn't seem to be the same angle on both; however, this seems strong but for the blurriness of unknown.
6JZ4ZJ	Not Applicable	None
7B6GQY	Similar	
7PHQBF	Similar	There appears to be a scar under the right eye of both the probe and candidate.
89T2WX	Similar	The scar above the right cheek is similar
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Similar	mostly horizontal scar present for both Known(1)/Unknown(2) located on upper right cheek, medial end slightly higher
9U4MPG	Similar	
AKVB9D	Similar	under right eye of both subjects
B2Z6FC	Similar	Both have a scar on the right upper cheek under the eye
BZH38T	Similar	The scars below the left eye are similar.
CKPXLT	Not Applicable	Image quality in the Unknown limits scar visibility.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	potential scar under eye different shape, length, and curvature
DA6QFC	Inconclusive	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Inconclusive	
ELRHHR	Similar	same scar under right eye
FBEYWM	Similar	
FZRJT8	Similar	Both appear to have similar marks or scars under their right eyes on their cheeks

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Image Set Q6: Table 4.6(p) - Scars

WebCode	Observation	Feature Notes
H2WQ96	Similar	There appears to be a similar scar under the right eye.
HFB7XM	Similar	Dark horizontal line on right cheekbone.
HRQ6L4	Similar	scar present and similar in positioning, angle, and prominence below right eye.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Distinct scar under right eye.
JL2M67	Similar	
K3KWNM	Similar	Similar in location on the right check. Similar in size/shape/color.
KEBXX2	Similar	Both appear to have a scar under the right eye
KHWG47	Similar	
L7ZVC2	Similar	Scar or line under right eye is consistent in both known adn unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	mention in observation of cheeks
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Appears to be similar scar on right cheek of both in shape/angle/color.
PRMQFV	Not Applicable	Appears to be a scar under the right eye, found on both known and unknown. Scar is longer on the on the known. Consistent in width and relative location.
PVM3BV	Similar	possible scar like mark mentioned in the cheek section above
PWHKDW	Similar	scar below right eye in same location in both
PWYRHE	Similar	evidence of a birth scar at the level of the ciliary bone on the right side
PX9LGZ	Similar	Both have a similar scar under the right eye.
PY46H2	Similar	under right eye
Q49MUY	Not Applicable	
QTWDAF	Similar	Scar under the right eye in both.
QYFHZU	Similar	There is a vertical mark under the right eye in both images in approximately the same location.
R273NE	Similar	The scar below right eye similar has been discussed above
TBLBPC	Similar	under right eye

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Image Set Q6: Table 4.6(p) - Scars

WebCode	Observation	Feature Notes
U6E77R	Similar	appears to be a scar under right eye in both subjects
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar prominent horizontal scar inferior to right eye.
XQMJNP	Similar	See description above.
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Similarities: Potential scar on upper right cheek in both images
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	Line under the right eye

Features Observations Response Summary - Q6 Scars — Total Participants: 61

Response	Percent Reported
Similar	47 (77.0%)
Dissimilar	2 (3.3%)
Inconclusive	3 (4.9%)
Unable to Compare	2 (3.3%)
Not Applicable	7 (11.5%)

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Image Set Q6: Table 4.6(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the known has various facial marks all of the face that aren't visible in the unknown, but could be due to image quality issues and relative stability of the facial marks
34T74N	Similar	
3LFL7K	Unable To Compare	Not visible due to blurriness of unknown subject's photo.
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Inconclusive	Marks on unknown are too blurry to see.
6JZ4ZJ	Similar	Skin mark, freckles under the eyes
7B6GQY	Similar	
7PHQBF	Dissimilar	The candidate has visible facial mark on the face as well as the neck, but it cannot be seen on the probe. This could be due to the quality of the probe image not letting the finer details of the face be seen.
89T2WX	Dissimilar	Some moles and freckles are not similar
8FP3RH	Inconclusive	
8ZX32H	Similar	under right eye
93ZDEX	Similar	Noted any markings above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	unable to compare smaller/finer potential facial marks due to quality of Unknown(2)
9U4MPG	Inconclusive	Facial marks in Known not visible in unknown, which is expected due lacking imaging conditions in unknown
AKVB9D	Inconclusive	low quality of unknown image prohibits comparison
B2Z6FC	Dissimilar	Known has many visible freckles
BZH38T	Similar	The freckles below the eyes are similar.
CKPXLT	Unable To Compare	Image quality in the Unknown limits skin detail visibility.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	multiple throughout images which do not appear consistent in location
DA6QFC	Similar	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Inconclusive	
ELRHHR	Inconclusive	not visible for unknown profile
FBEYWM	Similar	
FZRJT8	Similar	The known has facial marks that the unknown doesn't have mentioned above.

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Image Set Q6: Table 4.6(q) - Facial Marks

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Unknown image is too blurry to compare facial marks.
HFB7XM	Inconclusive	
HRQ6L4	Unable To Compare	none discernable in unk image due to image quality.
HUCPQ8	Similar	
HYQFYM	Inconclusive	Not discernable on unknown image.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	Only visible in the Known.
KEBXX2	Unable To Compare	Unknown's image quality is too low for detailed comparison
KHWG47	Dissimilar	Image detail
L7ZVC2	Inconclusive	Poor image quality of unk inconclusive. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Skin mark (size, color and location)
P6CLXG	Similar	Low-resolution known
PD3BCW	Dissimilar	mention in observation of cheeks, neck, chin
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Facial marks present on K, not visible in U, may be due to image quality.
PRMQFV	Dissimilar	Reddish facial marks between the brows, under the right eye and on the chin of the known, not found on the unknown. Brown facial marks found under the eyes, on the cheeks, around the mouth, on the chin, and neck not found on the unknown. Marks on the left and right ear lobes of the known, also not found on the unknown, possibly due to the difference in image quality.
PVM3BV	Similar	facial marks can be seen all throughout the face of the known, the unknown does not appear to have facial marks which could be due to the quality of the image being poor
PWHKDW	Inconclusive	
PWYRHE	Similar	Birth scar at the level of the lower ciliary part, right side Scar
PX9LGZ	Dissimilar	Acne and moles are visible on the known image.
PY46H2	Dissimilar	not present on unknown (blur?)
Q49MUY	Similar	
QTWDAF	Inconclusive	Facial marks on the known that are not visible on the unknown but this could be due to quality.
QYFHZU	Dissimilar	None observed on the unknown. There is a red mark under the right and left eye and 2 on the chin.

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Image Set Q6: Table 4.6(q) - Facial Marks

WebCode	Observation	Feature Notes
R273NE	Inconclusive	Known has a few marks on face not seen on unknown due to image quality I believe
TBLBPC	Inconclusive	unknown blurred image
U6E77R	Unable To Compare	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Many marks present on the Known (face, ears, and neck). These marks are not visible on the Unknown (image quality).
XQMJNP	Dissimilar	KNown has facial marks on both cheeks, chin, and neck. No significant facial marks are visible on unknown.
XTNLEQ	Similar	A skin mark and freckles under the eyes
XYERF8	[Not Reported]	Not comparable: not visible in one or both images
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q6 Facial Marks

Total Participants: 59

Response	Percent Reported
Similar	16 (27.1%)
Dissimilar	13 (22.0%)
Inconclusive	17 (28.8%)
Unable to Compare	11 (18.6%)
Not Applicable	2 (3.4%)

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Image Set Q6: Table 4.6(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Inconclusive	The portrait of the unknown person appears blurred.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	None
7B6GQY	[No observations reported for this feature.]	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	unknown appears to have some sort of mouth guard in
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	[No observations reported for this feature.]	
EGJRJR	[Not Reported]	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	same head tilt and physical alterations
FBEYWM	Not Applicable	
FZRJT8	[Not Reported]	None visible
H2WQ96	Not Applicable	No alterations observed.
HFB7XM	Inconclusive	

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Image Set Q6: Table 4.6(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	sports mouthpiece in mouth of unk image, not present in known image.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Not Applicable	
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	left lip commissure
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q6: Table 4.6(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	It's possible the unknown might be wearing a mouthguard
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: not visible in one or both images
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	[No observations reported for this feature.]	

Features Observations Response Summary - Q6 Alterations

Total Participants: 55

Response	Percent Reported
Similar	2 (3.6%)
Dissimilar	1 (1.8%)
Inconclusive	5 (9.1%)
Unable to Compare	1 (1.8%)
Not Applicable	46 (83.6%)

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Image Set Q6: Table 4.6(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known image has good lighting, whereas unknown is under exposed with shadowing on left half of face
CKPXLT	Limitations	Dissimilar	Image quality, lighting, blur, noise, expression, forehead and ear occlusion.
LADNAL	Quality	Similar	known image is a good quality frontal image, unknown is pixilated frontal image, lighting is darker in the unknown
PWYRHE	imagen superposition	Similar	Cephalometry planes
XPRZMN	image quality	Dissimilar	Unknown image is over lower quality. Known image is good quality with clarity of detail.
XYERF8	Limitations		The limitations of the comparison include but are not limited to: differences in age, pose, expression, lighting, sharpness, compression, resolution and other imaging conditions.
XPRZMN	Expression	Dissimilar	Unknown is smiling, Known is neutral

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Detailed Feature Observations

TABLE 4 - Image Set Q7

Image Set Q7: Table 4.7(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar skin tone; unknown's skin texture appears slightly more rough, but difficult to definitively tell due to image quality issues
34T74N	Similar	
3LFL7K	Inconclusive	The skin of known subject appears smooth with some wrinkles but is pixelated and blurry. The skin of unknown is slightly textured also with wrinkles.
3M7MAM	Inconclusive	The portrait of the known person appears blurred.
4T9DRJ	Dissimilar	seems different, oily shiny skin vs flat
6JZ4ZJ	Similar	Overall tone and texture
7B6GQY	Dissimilar	
7PHQBF	Similar	Skin tones appear to be similar between the probe and candidate.
89T2WX	Similar	Light skin tone
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Similar almond shape, that almost appear squinty in the way the opening is not very wide. Both the known and unknown have dark eye coloring. The upper lid of the known image appears fairly thin, but the unknowns lid crease appears nonexistent…appears hooded. The palpebral sulcus and inferior do not appear to be exact in location/length. This could be due to poor quality image of the unknown.
9GLTHW	Similar	texture can't be compared due to poor quality of known image, however complexion appears to be similar
9KFMFY	[Not Reported]	both have lighter skin tones; unable to compare finer details of skin due to quality of Known(1)
9U4MPG	Similar	
AKVB9D	Inconclusive	
B2Z6FC	Similar	Similar color, tone and texture
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is red.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Unable To Compare	known image is super blurry/pixelated
DA6QFC	Inconclusive	
EGJRJR	Similar	Skin – Correcting for the lighting difference subjects has fair skin tone. Unknown has oiler skin, warmer glow than Known with illumination areas in top of forehead brow ridge, nasolabial fold, nasal tip, and chin.

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Image Set Q7: Table 4.7(a) - Skin

WebCode	Observation	Feature Notes
EGYH2B	Unable To Compare	
ELRHHR	Inconclusive	same color, but not able to determine skin texture of known profile
FBEYWM	Similar	
FZRJT8	Similar	The skin tone appears similar
H2WQ96	Similar	Tone is similar. Unable to compare texture because the known's image quality is blurry and pixelated.
HFB7XM	Similar	
HRQ6L4	Similar	Skin is similar in color; known image has low resolution so skin texture not visible.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion and tone.
JL2M67	Inconclusive	
K3KWNM	Inconclusive	Skin is similar in light color. Due to photo quality of the Known, texture cannot be compared.
KEBXX2	Similar	Overall tone is similar but unable to see the texture of the known's skin
KHWG47	Not Applicable	
L7ZVC2	Similar	Very similar in tone and texture. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone appears to be darker in the known but could be due to lighting, texture can't be compared due to quality of the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	The skin of known and unknown is similar in light tone. The skin appears thin, like that of what you would expect of a mature, elderly adult. The skin is somewhat dull, and neither has rosy or warm tones.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears overall similar in tone, however dissimilar in texture, may be due to image quality.
PRMQFV	Inconclusive	Tone of the unknowns appears to be lighter. Appears to be little to no roughness on either known or unknown.
PVM3BV	Similar	skin is pale in tone and wrinkly in texture on both subjects
PWHKDW	Similar	both are older white males
PWYRHE	Similar	same color
PX9LGZ	Similar	Skintone is similar.
PY46H2	Similar	limited resolution on known

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Image Set Q7: Table 4.7(a) - Skin

WebCode	Observation	Feature Notes
Q49MUY	Similar	
QTWDAF	Inconclusive	The subjects appear to have a similar light skin tone. There is a difference in the exposure of the images causing the known to appear darker. The skin texture appears to be smoother on the known however this could be due to quality.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	Color and tone are consistent
R273NE	Inconclusive	The quality of known image makes it hard to determine texture of skin and true tone. It appears more red undertoned than unknown. Luminance appears different between the two.
TBLBPC	Similar	
U6E77R	Similar	similar color and texture
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar tone. Unable to compare texture due to image quality.
XQMJNP	Similar	Both subjects are light skinned with red tones.
XTNLEQ	Similar	Overall tone and texture
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q7 Skin

Total Participants: 60

Response	Percent Reported
Similar	39 (65.0%)
Dissimilar	5 (8.3%)
Inconclusive	12 (20.0%)
Unable to Compare	2 (3.3%)
Not Applicable	2 (3.3%)

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Image Set Q7: Table 4.7(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the known's facial shape appears slightly more narrow and rounded than the unknown, but difficult to definitively compare due to image quality issues and pose difference
34T74N	Similar	
3LFL7K	Inconclusive	On known subject, the cranial vault is visible but the brow ridge is pixelated. On the unknown subject, the cranial vault is similar to known subject and the brow ridge is visible but cannot be compared to known subject.
3M7MAM	Unable To Compare	Significant variation in head pose.
4T9DRJ	Inconclusive	due to angle outline is not clear
6JZ4ZJ	Similar	Overall shape of the face
7B6GQY	Dissimilar	
7PHQBF	Inconclusive	Difficult to compare due to the difference in facial pose.
89T2WX	Dissimilar	Inconsistent facial width
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Due to angle difference it is difficult to determine with confidence, but I believe the knowns outline is longer/larger in length than that of the unknown image. The known image has a receding hairline and the frontal bones appear to protrude outwards while the unknown images forehead appears flat, no protrusion. Both images appear to have oval heads/face shape.
9GLTHW	Dissimilar	shape is difficult to compare due to angle/pose difference, however known’s appears to be egg-like in shape, with the top of the head rounded and narrowing as the chin is approached, whereas known’s is more of an oval shape and is more uniform in width
9KFMFY	[Not Reported]	difficult to compare face/head outline fully due to difference in angle of photo/angle of head/quality of image of Known(1)
9U4MPG	Unable To Compare	Different portraying angle makes this feature incomparable
AKVB9D	Inconclusive	drastic angle of known prohibits full observation
B2Z6FC	Similar	Both have oval shaped heads with similar cranial vaults
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar overall face and head shape.
CUYZ8T	Similar	
D2QZYQ	Unable To Compare	known image is not frontal
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Face/Head Outline – Known has an egg-shaped/oval shaped outline while Unknown is more oval lacking Knowns protruding chin..

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Image Set Q7: Table 4.7(b) - Face/Head Outline

WebCode	Observation	Feature Notes
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Dissimilar	
FZRJT8	Unable To Compare	The known's head is tilted down and away, and the unknown's is facing straight toward the camera.
H2WQ96	Similar	Shape appears similar.
HFB7XM	Similar	
HRQ6L4	Inconclusive	Known image pose is to the left and downward; visible portions of face and head outline do not appear similar or dissimilar due to image quality and differences in pose.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Similar oval shape, narrow facial outline, squared jawline, pointed chin and larger ears similar.
JL2M67	Similar	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	Different angles towards camera
KHWG47	Unable To Compare	
L7ZVC2	Similar	Both have oval facial structure, but due to poor quality photo, known is harder to discern. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	head appears to be longer in the unknown, width appears to be wider in the unknown, known has more of an oval shape, the unknown has more of a square towards the top and bottom
LQZ4DH	Dissimilar	Shape of craneal vault
P6CLXG	Inconclusive	Known off angle
PD3BCW	Similar	Both known and unknown have an egg-shaped head outline. The facial features are arranged and shaped in a manner that appears consistent across the facial plane.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Overall shape of face appears somewhat similar from what is visible. Cranial vault appears to extend higher in K.
PRMQFV	Unable To Compare	Unable to compare due to the difference in angles.
PVM3BV	Inconclusive	general outline of the known is difficult to determine due to the angle of the face - could be similar to the unknown
PWHKDW	Inconclusive	Due to the image quality and position of known, it is difficult to make comparison
PWYRHE	Dissimilar	dolichocephalic.
PX9LGZ	Unable To Compare	Difficult to compare due to pose difference.

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Image Set Q7: Table 4.7(b) - Face/Head Outline

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Inconclusive	
QTWDAF	Similar	There is a difference in the position of the head however it appears that the shape of the head is similar with a tall and oval shape.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Inconclusive	The overall shape and size are consistent though the face is angled down and to the side in the known.
R273NE	Dissimilar	Despite head turn to left and down of known, it appears head shape is different than unknown whose head is straight on.
TBLBPC	Unable To Compare	different position
U6E77R	Similar	both have oval shape
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Different head angles. The face and head shape are somewhat similar.
XQMJNP	Similar	Both subjects have an oval face with a square chin.
XTNLEQ	Similar	Overall shape of the face
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Face/Head Outline

Total Participants: 60

Response	Percent Reported
Similar	16 (26.7%)
Dissimilar	13 (21.7%)
Inconclusive	16 (26.7%)
Unable to Compare	15 (25.0%)
Not Applicable	0 (0.0%)

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Image Set Q7: Table 4.7(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	too difficult to definitively compare relative feature size/proportion and location to one another due to image quality issues and pose difference
34T74N	Similar	
3LFL7K	Unable To Compare	Unable to compare face/head composition due to pixelation of known subject's photo and the angle of the subject's head in the photo.
3M7MAM	Unable To Compare	Significant variation in head pose.
4T9DRJ	Inconclusive	due to the angle of the known this is hard to compare.
6JZ4ZJ	Unable To Compare	UC angle of the head of Image A different than Image B
7B6GQY	Not Applicable	
7PHQBF	Inconclusive	Difficult to really compare the facial compostion due to the quality of the candidate image.
89T2WX	Inconclusive	Similar proportions, but different shooting angles between samples
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Approximate distance from nose to the upper lip appears longer in the unknown image.
9GLTHW	Inconclusive	configuration, alignment, and size of the visible facial features are difficult to compare due to angle and pose of known, however they appear that they could be similar
9KFMFY	[Not Reported]	Unknown(2) appears to have slightly more relative approx. distance from lower lip to chin compared to Known(1); difference in angle of head; Known(1) has head more tilted down and forward
9U4MPG	Inconclusive	
AKVB9D	Unable To Compare	drastic angle of known prohibits comparison
B2Z6FC	Similar	They appear to be the same. Hard to compare due to angle of known. distance between the nasal tip and the upper lip appears to be a similar distance.
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to the eyes, nose bridge to hairline, upper lip to nose base and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	
EGJRJR	Similar	Face/Head Composition – Morphological features are concentrated to the lower 3/4th of Unknowns face. Known's feature location is suspected to be the same although subject entire face is not visible, image quality is poor, and subject has a difference in expression.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different in scale, distance and pose

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Image Set Q7: Table 4.7(c) - Face/Head Composition

WebCode	Observation	Feature Notes
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The face/head composition appears similar
H2WQ96	Unable To Compare	Position of known's head and pixelated image makes it difficult to compare.
HFB7XM	Dissimilar	Unknown's forehead appears shorter in height.
HRQ6L4	Dissimilar	facial components of both images appear similar with regard to spacing between nasal tip and upper lip; spacing from lower lip to chin appear dissimilar, as well as the spacing of the eyes.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Narrow intercanthal and interpupillary distances, narrow nose with more pointed tip, average mouth fissure, pointed chin.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Features on the head are not placed in a similar fashion. Known's features are in the lower half of face.
KEBXX2	Unable To Compare	Different angles towards camera
KHWG47	Unable To Compare	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance from eyes to mouth appears to be similar but can't be certain due to quality of the known, distance from mouth to chin is longer in the unknown
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	Known off angle
PD3BCW	Dissimilar	The unknown image is a clear, High quality, frontal image with all the details of the face clearly visible. The quality of the known image is somewhat pixelated and blurry, out of focus. The unknown image head is pitched downward with a slight yaw which exposes more of the right side of the face. There is a similarity in the positioning and contour of the facial features of both known and unknown individuals.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Eyes, nose, mouth appear similar in relationship to each other based on what is visible, may be farther down on face of K.
PRMQFV	Inconclusive	Distance from the nose to mouth appears to be longer on the unknown, possibly due to the difference in angles.
PVM3BV	Similar	general composition and relative shape/size of the facial features appear to be similar between subjects
PWHKDW	Inconclusive	Due to the image quality and position of known, it is difficult to make comparison
PWYRHE	Dissimilar	Advanced baldness
PX9LGZ	Similar	Relative distances between facial features that are visible are similar.

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Image Set Q7: Table 4.7(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar composition with a taller alignment versus horizontal. There also appears to be an asymmetrical nose.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Dissimilar	It appears that knowns features closer together than unknown's features. This could be due to head turn and downward of face.
TBLBPC	Unable To Compare	different position
U6E77R	Similar	similar distance from nose to mouth, mouth to chin.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Somewhat similar feature spacing and placement. Eyes appear closer together in the Known, but this is expected due to the angled pose. Approximate width of nose relative to eyes is somewhat similar. Approximate width of mouth relative to eyes is somewhat similar. Approximate distance from nose to upper lip relative to face length is somewhat similar. Approximate Distance from chin to lower lip relative to face length is somewhat similar. Inconclusive on ear position relative to eyes, nose, and mouth. Eye position relative to face length is somewhat similar.
XQMJNP	Similar	The features are spaced evenly on both subjects.
XTNLEQ	Unable To Compare	In image A the UC angle of the head is different than Image B
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Face/Head Composition

Total Participants: 60

Response	Percent Reported
Similar	16 (26.7%)
Dissimilar	13 (21.7%)
Inconclusive	16 (26.7%)
Unable to Compare	14 (23.3%)
Not Applicable	1 (1.7%)

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Image Set Q7: Table 4.7(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	both individuals have a mixture of gray hair, but the unknown's appears to be a mixture of gray and light brown compared to the known's which appears to be more gray mixed with dark brown or black; the hair texture appears similar; the forehead hairline growth pattern appears different with the known having a more receding hairline with growth in the middle where the unknown's being more even across the forehead; too difficult to compare temporal peak hairline growth due to known image quality issues
34T74N	Dissimilar	
3LFL7K	Similar	The hair is similar in color and style, including receding hair line, between the two subjects.
3M7MAM	Dissimilar	Distinct variation in frontal trichion position observed.
4T9DRJ	Dissimilar	The forehead hairline is high on known, unknown has more hair.
6JZ4ZJ	Similar	Same color, density distribution of density ,Cranial baldness pattern Detailed shape and distribution
7B6GQY	Similar	
7PHQBF	Similar	Hair color between the probe and candidate appears to be similar. The hairlines between the two images do appear to be dissimilar. The candidate appears to have more of a receding hairline
89T2WX	Dissimilar	Similar hair color, but different degrees of baldness on the forehead
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Dissimilar in hair placement/growth with the known image having a receding hair line. Both the known and unknown have light blonde and gray hair coloring. The unknown image appears to have more fine/straight hair while the known image appears to be thicker and possibly curly or have more body/height.
9GLTHW	Dissimilar	two toned hair color is similar, however the location of the darker areas at the roots along the hairline are in different locations; hairline shape is dissimilar; the part location is similar, however the directionality in which the hair lays is dissimilar, as knowns appears to primarily lay to the left, whereas the unknowns lays to the right; known's appears to be thinner and more recessed at forehead hairline, whereas unknown's seems to be thicker and more uniformly dense
9KFMFY	Dissimilar	difference in angle of head; Known(1) has more of a receding hairline going from center of forehead hairline to the left/right hairlines; Unknown(2) appears to have more regular/less of a receding hairline; Known(1) appears to have more of a gray tint to hair color
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- significant receding hairline/partial bladness. Unknown full head of hair. similar colors. .
B2Z6FC	Similar	Similar texture and color. Hairline appears to be further back on the forehead in the known.
BZH38T	Dissimilar	The hair texture and color are dissimilar.
CKPXLT	Dissimilar	Similar tone and length, right side hairline shape. Dissimilar hair style and receding forehead hairline shape.

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Image Set Q7: Table 4.7(d) - Hair

WebCode	Observation	Feature Notes
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	style, length, and coloring appear dissimilar
DA6QFC	Dissimilar	
EGJRJR	Similar	Hair – Both subject's have straight hair with that is consistent in texture and length. Overall hair color is the same with graying in temples region seen in both subjects, however Know's hair is receding more than Unknows which may be attributed to age difference. Hairline is consistent at sides as is subjects hair part appearing to be just left of center.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different hair texture and growth pattern
FBEYWM	Dissimilar	
FZRJT8	Similar	The hair appears to be of similar texture and color. The hairline of the known is much higher than of the unknown.
H2WQ96	Dissimilar	Hair color is similar, but hairline is quite a bit higher in the known.
HFB7XM	Dissimilar	Similar pattern of hair color, but Unknown's hair appears more brown than gray. Known's hairline appears more receding than Unknown's. Hair texture appears slightly dissimilar (Known's hair appears more coarse).
HRQ6L4	Dissimilar	similar color; lateral hairline positioning appears similar, superior portion dissimilar; density of hair dissimilar on top; unknown image has longer hair.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Similar in color and texture. Hairline dissimilar.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Similar in color/length/texture. Not similar in pattern. Known has a receding hairline.
KEBXX2	Similar	Both have receding grey hair
KHWG47	Unable To Compare	
L7ZVC2	Similar	Hair is similar color, texture and patterning. Hair is more receded in known than in unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	both have gray hair, hair line is further back in the known, hairstyle is dissimilar
LQZ4DH	Dissimilar	Hairline (baldness pattern)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Both known and unknown have short, white-gray colored hair that appears similar in soft-smooth texture. The hair is light gray above the ears and gradually gets a little darker towards the top of the head in both known and unknown images. The known individual is almost completely bald with the hairline beginning at the crown of the head. The unknown image has a full head of hair that is short, neatly groomed, and has a part on the left side with the hairline starting at the top of the forehead.

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Image Set Q7: Table 4.7(d) - Hair

WebCode	Observation	Feature Notes
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Hair appears fuller and more smooth in U than K, similar in variation in tone, however varies differently; wider widow's peak in K and hairline appears more receded, may be due to aging.
PRMQFV	Dissimilar	Tone of the hair appears to be similar. Knowns hair is receding, not found on the unknown. Unknowns hair appears to be longer. The unknown has a part, not found on the known.
PVM3BV	Similar	hair appears to be similar in grey color - hairline could possibly be similar, this is hard to determine due to the difference in angle
PWHKDW	Dissimilar	hair is similar color, however the hairline is different (due to age). Image quality of known is poor to make a full comparison
PWYRHE	Similar	same color
PX9LGZ	Dissimilar	Colour and texture seem similar, but the hairline is different. Signs of balding is observed on the known image.
PY46H2	Dissimilar	receding hairline on known (time?)
Q49MUY	Dissimilar	
QTWDAF	Similar	The hairline appears to be more receded on the known however this could be due to aging. The hair color appears to be greyer on the known however this could be due to aging or grooming. The texture of the hair appears to be fine and similar on both.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The hair and hairline have similarities but the hair appears whiter and the top and sides of the hairline have receded in the known.
R273NE	Dissimilar	Known has balding further back on head than unknown. Known's greying is more prominent than the white on head than unknown. Side hariline positions and curvatures are also different between the two.
TBLBPC	Dissimilar	similar color different hairline
U6E77R	Inconclusive	known subject picture is blurry, hard to see texture of hair. Both have gray hair.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Dissimilar hairline pattern. Dissimilar length. Somewhat similar color.
XQMJNP	Dissimilar	Both subjects have short "gray" hair. Known hair is gray with some black tones and has a receding hairline. Unknown has gray hair with yellow tones and no receding hairline.
XTNLEQ	Similar	Same color, density distribution of density Cranial baldness pattern • Detailed shape and distribution
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q7 Hair		Total Participants: 62
Response	Percent Reported	
Similar	15 (24.2%)	
Dissimilar	40 (64.5%)	
Inconclusive	4 (6.5%)	
Unable to Compare	3 (4.8%)	
Not Applicable	0 (0.0%)	

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Image Set Q7: Table 4.7(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to have a taller forehead due to hairline differences; the known appears to have a more prominent/protruding upper forehead; both individuals have prominent frontal lines, but the appearance, shape and location appear different
34T74N	Similar	
3LFL7K	Inconclusive	The forehead of known subject is visible, but is pixelated and show wrinkles but they are not of comparative value.
3M7MAM	Dissimilar	Variation in forehead protrusion.
4T9DRJ	Dissimilar	what is visible of forehead creases is not the same.
6JZ4ZJ	Similar	Relative height , Relative width
7B6GQY	Dissimilar	
7PHQBF	Similar	The width of the forehead could be similar between the probe and candidate. Difficult to tell due to the facial pose difference between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The known image has a longer forehead than that of the known image. The frontal bones on the known image appear to protrude outwards while the unknown's forehead appears flat and less in length from hair line to top of the eye brows. The unknown's forehead appears more rectangular in shape while the known's is not rectangular. Due to poor quality of the known image, I am not able to see all the forehead creases that are visible on the unknown image. The most prominent crease on the known image is not consistent with any of the crease on the unknown image. Between the brows of the known image is a very distinct deep crease that is not consistent with the unknown's image.
9GLTHW	Dissimilar	width is similar, however shape and size are dissimilar, as known's is dome shaped and significantly taller, whereas unknown's is more of a rectangular-like shape and much shorter in height; contour and musculature are dissimilar, as known's is rounded and slants backwards, and bone structure is more prominent, whereas unknown's is relatively flat with a small depression in the center and curved at the edges, and musculature is more prominent, but this could be due to poor quality of the known image; both have prominent frontal lines, however they are dissimilar in length, shape, quantity, and location, as known has two that are short, linear in shape, and are positioned over the medial ends of each brow, whereas unknown has several that vary in linear and curved shapes, lengths, and prominence; unknown has two curved frontal lines above each brow that the known doesn't; unknown also has small depressions in the musculature above the medial ends that is not visible on the known, but this could be due to expression or angle differences or due to quality of unknown image
9KFMFY	Dissimilar	Known(1) appears to have slightly longer relative approx. height of forehead from position of eyebrows to center of forehead hairline, angle difference of head
9U4MPG	Dissimilar	

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Image Set Q7: Table 4.7(e) - Forehead

WebCode	Observation	Feature Notes
AKVB9D	Dissimilar	known- wide rounded, unknown- wide,flat
B2Z6FC	Similar	Brow ridge has a similar prominence. They have similar frontal lines
BZH38T	Dissimilar	The shape of the forehead and the wrinkles on the forehead are dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead prominence.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	creases and marks do not appear similar in location and relationship
DA6QFC	Dissimilar	
EGJRJR	Similar	Forehead – Consistent size and shape seen in both foreheads which protrudes slightly at the top. Known has 2 visible horizontal creases in the center of forehead about .5 inches apart in lower region of forehead. Known images quality and light hinders confirmation of numerous frontal lines seen in Unknown but faint traces seen on the subject's forehead are in similar locations.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Inconclusive	
FZRJT8	Inconclusive	The known's hair line is much higher than the unknown's. The picture quality of the known makes it difficult to see features. They both have frontal lines but it is hard to tell if they are similar
H2WQ96	Dissimilar	Larger forehead in the known (receding hairline), forehead in known appears more sloped as well..
HFB7XM	Dissimilar	Shape of lower forehead appears similar. Known's upper forehead appears taller/larger.
HRQ6L4	Dissimilar	contour and prominence appears dissimilar - known image appears more prominent.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Appear dissimilar in height/hairline, browline and visible frontal lines appear similar.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Forehead is not similar in size/shape. Hairline is not similar. Glabellar line is not similar in location/size/shape. Frontal lines not similar in size/shape/ location.
KEBXX2	Unable To Compare	Different angles towards camera
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Mid forehead frontal line is very prominent and deep reaching from right side of forehead to the mid-forehead ending over the bridge of the nose. Vertical crease between eyes on bridge of the nose is present in known but not seen in unk. Other lines are present but because of quality of known photo, complete comparison is not available. Creases over eyebrows on right are similar. (Inc)

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Image Set Q7: Table 4.7(e) - Forehead

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	[Not Reported]	known forehead appears larger but could be where the hair is further back, both have frontal lines but they are not similar in location/size/shape, width appears to be narrower in the unknown, mark on the upper right side of unknown that is not visible in the known – could be quality
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Dissimilar	Both known and unknown individuals appear to have similar high, oval shaped foreheads. While both individuals' foreheads appear similar in height and in shape, the pitch of known's head is exposing more of the skin on the mid-region and crown of the head which is contributing to the forehead appearing larger than it is. The width of unknown's forehead at the hairline appears narrower than known's forehead where the hairline should be, before the loss of hair. Are creases on the foreheads of both known and unknown individuals. It is difficult to see the accurate number of creases on the forehead of the known individual due to the poor image quality. The unknown image has several forehead creases that vary in length, width, and depth. While it is difficult to see the details of the forehead creases clearly on the unknown image, the placement, size and depth of the creases appear inconsistent with the unknown individual's forehead.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Forehead appears larger in K, may be due to pose; slope of forehead appears dissimilar; shape of forehead appears dissimilar; frontal lines are present on both but appear dissimilar in quantity/depth/location/shape. Brow ridges appear more prominent in K.
PRMQFV	Dissimilar	The knowns forehead appears to protrude more. The shape of the forehead is dissimilar.
PVM3BV	Inconclusive	both subjects appear to have frontal creases - creases could be similar in location and size, quality of known is poor and difficult to determine details
PWHKDW	Dissimilar	forehead creases appear different. The image quality of known is poor, but what is visible does not match the unk's forehead creases. Possible scar in known on left side of forehead that is not observed in unk.
PWYRHE	Dissimilar	Wider forehead Multiple wrinkles on the forehead.
PX9LGZ	Dissimilar	The forehead is higher and more angular on the unknown image.
PY46H2	Dissimilar	receding hairline on known
Q49MUY	Similar	
QTWDAF	Similar	The forehead appears to have a similar width and indention in the middle. The height appears to be different however this is likely due to the receding hairline. However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The forehead shape is similar in height and width.

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Image Set Q7: Table 4.7(e) - Forehead

WebCode	Observation	Feature Notes
R273NE	Dissimilar	Contouring of foreheads at lateral ends appear different. Known appears to have a rounder forehead and unknown a flatter one. Frontal line positions number and curvatures appear different between the two. Known has a visible vertical glabellar crease in middle coming up from nose. Unknown has a couple glabellar lines on each side of nose and curving around brow ridges.
TBLBPC	Inconclusive	different position
U6E77R	Similar	both have large forehead, similar height and width
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Dissimilar	Forehead appears dissimilar. The Known either has a higher forehead or more hair recession than the Unknown. Unknown's forehead appears to have a straight slope, but the Known's is more rounded with pronounced frontal eminence.
XQMJNP	Dissimilar	Known has a receding hairline; head is tilted and angled--unable to determine accurate height of forehead. Unknown has a tall forehead. Facial lines on foreheads to not appear to be in same locations and appear to be different sizes/ shapes.
XTNLEQ	Similar	• Relative height • Relative width
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Forehead

Total Participants: 61

Response	Percent Reported
Similar	12 (19.7%)
Dissimilar	33 (54.1%)
Inconclusive	11 (18.0%)
Unable to Compare	5 (8.2%)
Not Applicable	0 (0.0%)

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Image Set Q7: Table 4.7(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to fully/definitively compare due to glasses covering and known image quality issues; the known has prominent creases/dimples above the right and left eyebrows and known has similar irregular darker areas that could be similar creases/dimples or eyebrow growth that unable to definitively compare; the known appears to have a more prominent glabellar line/crease in between the eyebrows that isn't visible in the unknown
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	The eyebrows are not visible on known subject due to pixelation and on unknown subject due to glasses obscuring view.
3M7MAM	Unable To Compare	The eyebrows of the known person appear blurred.
4T9DRJ	Inconclusive	Hidden by glasses or blurry
6JZ4ZJ	Unable To Compare	poor quality
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot be compared due to the quality of the candidate and the probe's glasses covering the eyebrows.
89T2WX	Inconclusive	Light eyebrow color, partially obscured by eyeglass frames
8FP3RH	Unable To Compare	
8ZX32H	Inconclusive	
93ZDEX	Unable To Compare	Too difficult to determine due to poor quality image of the known image and the glasses obscuring the eye brow area of the unknown image.
9GLTHW	Dissimilar	known's brows are difficult to compare due to poor quality of the image and unknown's are partially covered by the glasses and difficult to see due to light color, however what is visible indicates that known's are more linear in shape and thicker/ bushy, whereas unknown's appear to be curved, are light in color, and sparse in growth distribution; approx. distance above the eyes appears to be relatively similar
9KFMFY	[Not Reported]	unable to compare much detail for eyebrows due to quality of Known(1) and presence of glasses covering part of eyebrows for Known(1)/Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	low quality image and glasses prohibit comparison
B2Z6FC	Similar	Both have very light eyebrows that are barely visible. Both have similar indentations above the right eye where the eyebrow should be
BZH38T	Unable To Compare	Cannot be compared due to the eyeglasses.
CKPXLT	Unable To Compare	Glasses and image quality in Known and Unknown limit eyebrows visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	probe quality makes defining eyebrows difficult
DA6QFC	Inconclusive	

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Image Set Q7: Table 4.7(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	Inconclusive	Eyebrows – Subjects have depression, scar, and/or mark between on right brow ride that horizonal and above frames won by both parties. Individuals have a right eyebrow arch that has consistent arch above frames. Known has a deep glabellar line or shadow in the center of brow ridge that extends into nasal root. Unknown has a vertical glabellar line from medial right eyebrow that crosses nasal root forming breaking before depression above right eye
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Inconclusive	
FZRJT8	Inconclusive	The known's eyebrows are difficult to see due to quality, the unknown's eyebrows are obscured by his glasses frames.
H2WQ96	Unable To Compare	Unknown's eyebrows are covered by glasses and known's eyebrows are covered by glasses and image is pixelated.
HFB7XM	Inconclusive	Grooves in Unknown's right eyebrow appears to possibly be similar (uncertain observation). Eyebrows in both pictures appear non-distinct.
HRQ6L4	Inconclusive	left eyebrows appear dissimilar in tilt but image quality of known image prevents detailed examination; other characteristics are dampened by image quality and glasses.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Appear similar in color and texture.
JL2M67	Unable To Compare	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	Different angles towards camera
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Eyebrows in both are light and sparse however, known photo is of poor quality and produces and inconclusive comparison (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	hard to compare due to quality of the known and the glasses covering most of the eyebrows
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Dissimilar	The width of known individual’s brow ridge appears longer horizontally than the unknown individual’s brow ridge. Both known and unknown individuals wear corrective lenses which shade and cast shadows across parts of the eyebrows and eyes. Unknown's eyebrows begin to peak closer to the medial side of the brow ridge, while known individual eyebrows peak closer toward the lateral end of the brow ridge. Unknown individual is almost completely lacking eyebrow hair while known image appears to have thicker, visible hair on the brow ridge. Both known and unknown have a similar shadow and/or curve at the top of the lateral end of the right eyebrow. The glabellar lines and transverse nasal creases are inconsistent between known and unknown images.

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Image Set Q7: Table 4.7(f) - Eyebrows

WebCode	Observation	Feature Notes
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Eyebrows appear fuller on K and more angled than what is visible on U, specifically in left brow; brows appear more asymmetrical in U.
PRMQFV	Inconclusive	Both subjects are wearing glasses that are partially covering the brows. The thickness of the brows appear to be thin on both subjects.
PVM3BV	Inconclusive	brows of the knowns are difficult to determine details of - brows of the unknown appear to be lacking in thickness of hair growth.
PWHKDW	Dissimilar	The eyebrows appear more full in known. Unk's are very light, but also covered by his glasses
PWYRHE	Similar	sparse
PX9LGZ	Unable To Compare	
PY46H2	Unable To Compare	obstructed by eyeglasses
Q49MUY	Unable To Compare	
QTWDAF	Similar	The eyebrows are very faint/thin as well as obstructed by the glasses and cannot be compared. However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Inconclusive	The eyebrows have some similarity however, there are glasses covering both in the unknown and very blurry in the known.
R273NE	Dissimilar	Known's brows appear to have more hair and more visible towardas lateral ends than unknown. Known's brows peak up and unknown's brows appear to be rounded and come downward. Both have a triangular notch above lateral end of right eyebrow.
TBLBPC	Inconclusive	
U6E77R	Unable To Compare	both are hidden by glasses, different angles of face so hard to see clearly
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Inconclusive on the eyebrows as they are difficult to see due to the obstruction by glasses and the lower quality Known image. Neither appear to be distinct or pronounced.
XQMJNP	Unable To Compare	Due to poor image quality known eyebrows are not clearly visible. Unknown eyebrows are covered by glasses.
XTNLEQ	Unable To Compare	Image A poor quality
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q7 Eyebrows		Total Participants: 60
Response	Percent Reported	
Similar	4 (6.7%)	
Dissimilar	5 (8.3%)	
Inconclusive	18 (30.0%)	
Unable to Compare	31 (51.7%)	
Not Applicable	2 (3.3%)	

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Image Set Q7: Table 4.7(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	difficult to fully/definitively compare due to known image quality issues; size appears to be similar, but difficult to definitively tell; eye depth in orbit appears to be similar, but difficult to definitively tell; the unknown has many creases/lines present that can not definitively compare and tell if they are present in the known
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Known subject's eyes are pixelated.
3M7MAM	Unable To Compare	The eyes of the known person appear blurred.
4T9DRJ	Unable To Compare	The area around the eyes on the known are too blurry and the eyes are hidden in shadow and covered by glasses.
6JZ4ZJ	Unable To Compare	poor quality
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot be compared due to the quality of the candidate.
89T2WX	Inconclusive	The known sample is blurry, partially obscured by eyeglass frames
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Unable To Compare	Unable to compare due to poor quality image of the known and the unknown's eyes are closed.
9GLTHW	Unable To Compare	approx. intercanthal distance appears to be similar, but is difficult to compare due to angle and pose difference; due to quality of known image and unknown's eyes being closed, most of the characteristics are unable to be compared, however shape and prominence of right infraorbital crease and thickness beneath the eye appear to be similar; unknown has numerous periorbital creases that are not visible on the known
9KFMFY	[Not Reported]	unable to compare much details of eyes due to quality of Known(1); Known(1) is looking more down, Unknown(2) has eyes more squinted/shut; both Known(1)/Unknown(2) are wearing glasses
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	low quality known image not suitable for comparison, unknown eyes are closed- limited ability to compare
B2Z6FC	Unable To Compare	Unable to compare. The known is extremely blurry/hidden behind glasses and the unknown is squinting
BZH38T	Unable To Compare	One of the individuals's eyes down and therefore a comparison cannot be made.
CKPXLT	Unable To Compare	Image quality in the Known limits eyes visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	eyes barely open/mostly closed in both images
DA6QFC	Inconclusive	

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Image Set Q7: Table 4.7(g) - Eyes

WebCode	Observation	Feature Notes
EGJRJR	Unable To Compare	Eyes – Unknown is squinting eyes almost closed and wearing glasses while Known is looking down, turned from camera, in a poorly lit image which preventing proper analysis of eye. Both subjects are wearing glasses but shape of Known seems be round while Unknown has thicker rectangle frames obscuring view and image quality further analysis could not be completed.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible
FBEYWM	Unable To Compare	
FZRJT8	Inconclusive	The known's eye are not visible, and the unknown's eye are closed.
H2WQ96	Unable To Compare	Known's image is too pixelated and known is looking down. Unknown has eyes almost completely closed.
HFB7XM	Unable To Compare	
HRQ6L4	Inconclusive	eyes in unknown image are mostly closed and few details are visible in known image; appears to be similar in overall length.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Overall fissure appears similar. Some details not discernable due to image quality of Known.
JL2M67	Unable To Compare	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	Unknown's eyes are closed, Known's aren't clearly visible - looking down and away from camera
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Glasses are worn in both known and unk and may be causing some distortion in the known. Poor quality of known photo does not allow for eye color comparison. Unknown presents with closed eyes preventing eye comparison apart from placement on face. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	eyes are more closed in the unknown, due to quality hard to say about size/shape of known, both have inferior palpebral creases but are not in the same location/size,
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-res known; unknown eyes closed
PD3BCW	Dissimilar	Unknowns eyes are squinted and almost completely closed. It is difficult to see details of known's eyes due to eyewear frames partially covering the eyes and the blurred quality of the image. The intercanthal distance appears similar. The width between the eyebrows at the root appears wider on the unknown image than the known image. Both known and unknown are wearing corrective lenses that are covering and/or distorting portions of the eyes.
PGNVGZ	Unable To Compare	

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Image Set Q7: Table 4.7(g) - Eyes

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Right eyelid appears larger in K, may be due to pose; fine details not visible for comparison along with obstruction of glasses.
PRMQFV	Unable To Compare	Unable to compare, not visible on the known.
PVM3BV	Similar	details of the known eyes are difficult to determine details of - general depth of eyes in the orbital socket appear to be similar between subjects
PWHKDW	Inconclusive	eyes closed in unkown and cannot see anything in known.
PWYRHE	Inconclusive	not evidence
PX9LGZ	Unable To Compare	
PY46H2	Unable To Compare	difference in perspective and expression
Q49MUY	Unable To Compare	
QTWDAF	Similar	The general placement and distance between eyes appears to be similar however the quality is too poor to compare more thoroughly.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Inconclusive	The eyes have some similarity however, there are glasses covering both in the known and they are shut in the unknown.
R273NE	Dissimilar	Known's eye areas are blurred by imagine. Uknown's eyes are closed. It appears right eyelid shape and size is different between the two. Right undereye lines position and curvature also appears different.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	hidden by glasses, known subject is blurry and looking down
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Unable to see eyes in Known for comparison. The right periorbital eyelid might be more hooded and fleshy in the Known
XQMJNP	Dissimilar	Unknown has several facial lines under eyes and at out edges of eyes. Known appears to have less facial lines around the eyes; this could be due to poor image quality.
XTNLEQ	Unable To Compare	Image A poor quality
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q7 Eyes		Total Participants: 60
Response	Percent Reported	
Similar	3 (5.0%)	
Dissimilar	4 (6.7%)	
Inconclusive	10 (16.7%)	
Unable to Compare	41 (68.3%)	
Not Applicable	2 (3.3%)	

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Image Set Q7: Table 4.7(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's cheeks appear slightly more full, but could be due to expression difference; the unknown appears to have more definition/vertical creases on the lower lateral sides of the cheeks
34T74N	Similar	
3LFL7K	Unable To Compare	The known subject's cheeks are pixelated.
3M7MAM	Unable To Compare	Significant variation in pose angles.
4T9DRJ	Dissimilar	deep creases on known, not same on unknown.
6JZ4ZJ	Unable To Compare	Image A poor quality and angle of the head
7B6GQY	Dissimilar	
7PHQBF	Similar	The shape of the cheeks appears to have some consistencies between the probe and candidate.
89T2WX	Dissimilar	Different depressions near the ear on the profile
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Due to differing image pose it is difficult to determine. The knowns cheeks appear shorter in length from eye area to chin than that of the unknown image. The nasal crease on the known image appears deep and prominent while the unknowns is very faint and not as deep. Also the length of the right nasal crease extends longer in the known image and also appears more angular than the shorter length crease of the unknown image.
9GLTHW	Dissimilar	shape appears to be somewhat similar, however unknown's are shorter and wider, whereas known's are more elongated; unknown's cheekbones are more prominent; unknown has very distinct linear shaped depressions on each cheek that are not present on the known, which despite angle and quality, the depression in the right cheek should be visible due to it's depth; both have buccal creases present, however the shape, length, and prominence are dissimilar, as known's are deeper, longer, and more angular, whereas unknown's possess more of a parentheses shape
9KFMFY	[Not Reported]	difficult to compare much detail of cheeks due to quality of Known(1) and difference in angle of face/head
9U4MPG	Dissimilar	
AKVB9D	Inconclusive	only right cheek visible of known and low quality limits comparison. unknown- full cheeks, sunken areas in front of lower ear lobe, nasolabial folds, buccal creases
B2Z6FC	Similar	Similar cheekbone prominence. Both Free from facial marks. Both have deep buccal creases and nasolabial folds on both sides of the face.
BZH38T	Dissimilar	The cheek shape around the cheekbone area is dissimilar.
CKPXLT	Similar	Similar cheek bone minimal prominence and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	creases on cheeks appear to be dissimilar

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Image Set Q7: Table 4.7(h) - Cheeks

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	Inconclusive	Cheeks – Flat cheeks with nasolabial folds consistently starting at subject's ala. Nasolabial fold angles are consistent but are prominent in Known due to expression difference. Several assisting creases are consistent around right buccomandibular groove in individuals.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different in shape and fat distribution
FBEYWM	Inconclusive	
FZRJT8	Similar	The cheeks are similar on both
H2WQ96	Dissimilar	Unknown appears to have fuller cheeks. Could be a difference in weight.
HFB7XM	Dissimilar	Similar shape/size. Dissimilar groove in the middle of the cheek.
HRQ6L4	Dissimilar	slight open mouth expression in known image; cheeks appear wider in unknown image as well as fuller.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Appear similar in texture, fullness, nasolabial folds and buccal creases.
JL2M67	Inconclusive	
K3KWNM	Similar	Cheeks are similar in location. Not similar in shape/size.
KEBXX2	Inconclusive	Due to different poses, and poor image quality of the known, details aren't clear but they both appear to have strong buccal creases and nasolabial folds
KHWG47	Inconclusive	
L7ZVC2	Inconclusive	Due to expression of known, cheeks seem higher than in the flattened cheeks of unknown. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known right cheek is only visible to compare but is not the best quality, buccal crease is visible but does not appear to be in the same location, cheeks appear longer in the unknown, marks on the right cheek of the unknown that are not visible in the known but could be due to quality, unknown has an indention on both cheeks that is not visible in the known
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The cheeks of known and unknown appear similar in weight and fullness. Known and unknown have thin cheeks that are drawn down, slightly sunken in, worn down with time. The temporal and zygomatic bones on the unknown image appear higher and more prominent than the known image. There is a long, vertical dimple or indentation on the outer edge of both the right and left cheeks on the unknown image, beneath the zygomatic bones, that does not appear on the known image.
PGNVGZ	Dissimilar	

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Image Set Q7: Table 4.7(h) - Cheeks

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Cheekbones appear more prominent in K, may be due to pose; cheek shape appears longer in U; buccal creases present in both, more defined in K and dissimilar in shape, may be due to aging/pose.
PRMQFV	Similar	Prominence of the cheeks appear to be similar.
PVM3BV	Similar	cheeks appear to be similar in fullness - buccal creases appear to be similar in angle and location - unknown appears to have deep indentations further back on the cheek bones that are not visible on the known, this could be due to quality difference
PWHKDW	Inconclusive	both have thinner cheeks, but comparison is difficult with the angle of known
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Dissimilar	There is a hollow between the ear and the cheek on the unknown image that is not visible on the known image.
PY46H2	Dissimilar	time?
Q49MUY	Inconclusive	
QTWDAF	Similar	The cheeks appear to be similar shaped and the cheekbones do not appear to be prominent on either subject.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Inconclusive	There is not a good view of the left cheek due to the angle of the subject in the known.
R273NE	Dissimilar	Cheeks are somewhat similar in shape. Unknown's cheek appear longer, and he has vertical lines going down through both cheeks towards lateral ends that arent visible on known. Both havecurved line coming up from chin to medial end of right cheek is similar position, though unknown's appear to to end witat a dimple and known's doesn't.
TBLBPC	Dissimilar	
U6E77R	Inconclusive	cheeks in both seem thin
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Somewhat similar in shape. Unknown’s cheeks appear to be more firm and full.
XQMJNP	Dissimilar	Unknown has large vertical "dimples" in both cheeks (on the side of the head). Known does not appear to have any "dimples in his cheeks.
XTNLEQ	Unable To Compare	Image A poor quality due to angle of the head
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q7 Cheeks		Total Participants: 60
Response	Percent Reported	
Similar	11 (18.3%)	
Dissimilar	22 (36.7%)	
Inconclusive	19 (31.7%)	
Unable to Compare	8 (13.3%)	
Not Applicable	0 (0.0%)	

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Image Set Q7: Table 4.7(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	nasal root and bridge width appear to be similar; the known's nasal tip appears to be slightly wider and slightly more bulbous in shape; the nasal alae shape appears similar
34T74N	Similar	
3LFL7K	Inconclusive	Despite being pixelated, the known subject's nose is visable and appears similar to unknown subject with regard to the shape of the right nostril, tip, length and width.
3M7MAM	Unable To Compare	Significant angular deviation.
4T9DRJ	Inconclusive	angle of nose on known unable to compare well.
6JZ4ZJ	Unable To Compare	UC angle of the head of Image A different than Image B
7B6GQY	Dissimilar	
7PHQBF	Similar	The length of the nasal body appears to be similar between the probe and candidate. The width of the nasal body appears to have some similarities. The shape of the nasal base could be consistent between the probe and candidate.
89T2WX	Inconclusive	Similar shape, but different shooting angles
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The width of the bridge of the nose on the known image appears thinner than that of the unknown image. The nostril shape is not consistent. The known image has longer (right) nostril while the unknown's nostrils are more roundish in shape. The "11" creases at the top of the bridge of the nose are not consistent. The unknown has two faint/light creases while there is only one deep/prominent crease in the center of the bridge on the known image.
9GLTHW	Dissimilar	overall shape and size appear to be relatively similar, however known's seems to protrude further, but this could be due to angle difference; narrowness and length of nasal bone, and rounded shape of nasal tip appear to be similar; known's left ala and nostril are not visible due to angle, however right ala and nostril indicate that they are dissimilar, as known's ala appears to be thinner and elongated, and therefore nostril is also similarly elongated, whereas unknown's ala's are rounded in shape and thicker, and the nostrils are small and asymmetric in shape and alignment positioning; nasolabial folds are similar in beginning location and proximity to the mouth, however they are dissimilar in shape, length, and prominence, as known's are deeper, possess a more distinct curved shape, and are longer as they curve around and extend beyond the mouth, whereas the unknown's aren't as uniform in shape and appear to end at the corners of the mouth
9KFMFY	[Not Reported]	Unknown(2) appears to have slightly more lifted angle for the left side of the nose at the base that does not appear to be present for Known(1) which appears more symmetrical for angle of nose at base
9U4MPG	Dissimilar	Appear to be asymmetric in unknown
AKVB9D	Dissimilar	known- low quality and angle limits observations- narrow bridge/body wide at alae. Unknown- wide nasal body, narrow at alae, left nostril appears to have an abnormality at columella

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Image Set Q7: Table 4.7(i) - Nose

WebCode	Observation	Feature Notes
B2Z6FC	Similar	Both have a slight curve in the nasal body. Similar ala thickness. Hard to compare due to angle of known.
BZH38T	Dissimilar	The shape of the nose is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose tip and right ala shape, size and angle.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	nostril shape and curvature appear dissimilar
DA6QFC	Unable To Compare	
EGJRJR	Inconclusive	Nose – Length of nasal body is the same while width of Known appears larger, possibly due to the scrunching up of nose due to subject's expression. Unknown has a horizontal frontal crease across nasal root that appears to touch left vertical glabellar lines. Shadow and/or faint vertical glabellar lines that start from Known's nasal root meet in the center of subject's brow ridge
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, bridge height, and geometric shape
FBEYWM	Inconclusive	
FZRJT8	Similar	The nose is of similar size and shape
H2WQ96	Similar	Length and width appear similar.
HFB7XM	Similar	Similar tip of nose, right alae and hight of nasal body. Dissimilar asymmetry of base.
HRQ6L4	Dissimilar	similar in overall length of nasal body; dissimilar angle and size of nasal alae; nasal tip appears slightly dissimilar but the pose could account for this.
HUCPQ8	Similar	
HYQFYM	Similar	Appear similar in overall shape and size. Pointed tip similar.
JL2M67	Similar	
K3KWNM	Inconclusive	Nose is similar in placement. Nasal body is similar in length but not width. Nasal tip is not similar in shape/size.
KEBXX2	Unable To Compare	Different angles towards camera
KHWG47	Unable To Compare	
L7ZVC2	Similar	Nose in unk is different angle than in known. Bridge of nose and nasal root seem similar. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known nose comes more to a point, the tip appears to be dissimilar in shape/size, nasal base appears to be wider in the known, nasal root appears to be narrower in the known, nostrils are visible in the unknown but not the known due to head tilt, nasolabial folds are dissimilar
LQZ4DH	Similar	Nasal outline

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Image Set Q7: Table 4.7(i) - Nose

WebCode	Observation	Feature Notes
P6CLXG	Dissimilar	Low-resolution known
PD3BCW	Dissimilar	Both known and unknown have a high, thin in width, nasal bridge with prominent protrusion. Both known and unknown have triangular shaped noses. Unlike known's nose, unknown's nose has a slight slant to the left. The nasal base of known's nose is wider and more angular than unknown's nose. The contour and thickness of the ala of known and unknown are inconsistent. Although the difference could be attributed to the harsh shadowing on the known image, the nasolabial folds of the known image are deeper and longer than unknown image. The nasolabial creases appear similar in placement but inconsistent in shape and length.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nose appears similar in overall length; nasal root obstructed in U for comparison; nasal body appears similar in size and shape; nasal base appears wider in K, may be due to pose; shape of right ala and nostril appear dissimilar from what is visible; distance between nasal base and upper lip appear similar; nasolabial folds appear much more prominent and dissimilar in shape and angle in K.
PRMQFV	Similar	Length of the nasal body appears to be similar. The width of the nasal body appears to be similar. Tip of the nose appears to be similar in size.
PVM3BV	Similar	general shape and size of the nose appears to be similar - nasolabial folds of the subjects appear to follow a similar angle from the nose to the mouth
PWHKDW	Dissimilar	nose bridge appears wider in unk and the nasal base appears wider in known.
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Dissimilar	The bridge of the nose seems narrower, the nasal body longer and nasal tip wider on the known image.
PY46H2	Dissimilar	crease on bridge of known?
Q49MUY	Similar	
QTWDAF	Similar	The nasal root may have a similar shaping however the known is poor quality and the unknown has glasses covering part of it. The nasal body appears to be thin and pronounced on both subjects. The nasal tip appears to be angled on both subjects with the right side being lower.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The nasal root, body, tip and base are all similar.
R273NE	Dissimilar	Nasal root indention and lines appear different. Width and curvature down through body appear different. Unknown has assymetrical nasal base. Known's ala shape appear more squared and unknown's more rounded. Known appears to have a pointier nasal tip than unknown.
TBLBPC	Unable To Compare	
U6E77R	Similar	nasal root is similar width. Nasal body seems to be similar length and width. Can't compare nasal base or nostrils due to angle of known subjects nose/head
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	

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Image Set Q7: Table 4.7(i) - Nose

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	The Unknown nose is asymmetrical: the nasal body deviates towards the left, the nasal base is angled, the alae are asymmetrical, the columella is crooked. The Known's nose is possibly a similar length and height, and has a similar rounded tip. The right ala shape is potentially similar. The right nasolabial crease begins near a similar area by the ala. The length from the right ala attachment at the face along the nostril to the tip of the nose might be somewhat similar.
XQMJNP	Dissimilar	Known has a skinny bridge and the tip of the nose seems to protrude far from the face. Unknown bridge appears to be wider than known and is crooked .
XTNLEQ	Unable To Compare	In image A the UC angle of the head is different than Image B
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Nose

Total Participants: 60

Response	Percent Reported
Similar	18 (30.0%)
Dissimilar	21 (35.0%)
Inconclusive	11 (18.3%)
Unable to Compare	10 (16.7%)
Not Applicable	0 (0.0%)

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Image Set Q7: Table 4.7(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to fully compare due to image quality and pose differences (only right ear partially visible for comparison); similar prominence of the right anti-helix compared to the helix; similar rounded shape/appearance of the lower lobe
34T74N	Similar	Partially UC.
3LFL7K	Unable To Compare	The known subject's right ear is pixelated and left ear not visible.
3M7MAM	Unable To Compare	Significant angular deviation.
4T9DRJ	Inconclusive	Possible similarity on right ear, left on known is not visible very little to compare. with unknown on right side.
6JZ4ZJ	Unable To Compare	Image A positon of the head and poor quality
7B6GQY	Not Applicable	
7PHQBF	Similar	Difficult to compare due to the limited part of the right ear that can be compared on the probe. It is possible that the shape of the anti-helix on the right ear could be similar between the probe and candidate.
89T2WX	Inconclusive	Different shooting angles, but similar in some parts
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The known's right ear is visible, but not very clear. The antihelix shape of the unknown image appears longer and more rectangular in shape. The overall length of the unknown's right ear appears longer than that of the known. The antitragus shape of the known image appears wider and more like a bump than that of the unknowns.
9GLTHW	Dissimilar	only known's right ear is visible for comparison, but quality of the image and angle difference make some of the characteristics difficult to compare; overall lack of prominence appears to be relatively similar, however shape is completely dissimilar, as known's lower half appears to angle in toward the face, whereas unknown's entire ear is somewhat of a bracket-like shape and only the lobe curves in toward the face; triangular fossa shape and size are dissimilar, as known's is elongated, whereas unknown's is a funnel-like shape; thickness of antihelix seems to be relatively similar, but shape is dissimilar; earlobe shape, size, and thickness are dissimilar
9KFMFY	Dissimilar	left ear not visible for Known(1) due to angle of head; right antihelix appears to protrude slightly more and have a more rounded curve for Known(1), while curve of right antihelix for Unknown(2) appears to have slightly flatter curve
9U4MPG	Inconclusive	
AKVB9D	Unable To Compare	known- only right ear visible, low quality image. unknown- partial right ear and left ear visible
B2Z6FC	Similar	Only left ear is visible in known. Both have a similar shaped antihelix
BZH38T	Dissimilar	The shape of the ears is dissimilar.
CKPXLT	Dissimilar	Dissimilar right ear overall shape and size, scaphoid fossa, concha and ear lobe size.
CUYZ8T	Similar	

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Image Set Q7: Table 4.7(j) - Ears

WebCode	Observation	Feature Notes
D2QZYQ	Unable To Compare	one ear not available in known, other known ear very pixelated
DA6QFC	Unable To Compare	
EGJRJR	Inconclusive	Ears – Knowns right ear has a short helix recurve that is obscured by protruding kidney shaped antihelix with detacthed lobes . Due to Known's pose position only right ear are visible for proper analysis for further comparison. Unknown has medium size ears asymmetrical ears with detached lobes. Unknown has protruding right ear with a deep upper right scaphoid fossa, and a left ear that sits closer to subjects head with a thick helix.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible enough
FBEYWM	Inconclusive	
FZRJT8	Similar	The knows's right ear looks similar to the unknown's right ear.
H2WQ96	Unable To Compare	Known's image is too pixelated to compare.
HFB7XM	Unable To Compare	
HRQ6L4	Inconclusive	only right ear of known image visible, and right ear of unknown image partially visible; superior portion of helix does not appear dissimilar but due to image quality comparison is limited.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Partially obscured due to pixilization/image quality of Known image. Appear to be similar in shape and size.
JL2M67	Unable To Compare	
K3KWNM	Dissimilar	Due to the angle of the head and image quality of the Known, it is hard to compare both ears.
KEBXX2	Similar	Known only has one ear visible but it shares a pronounced antihelix with the unknown
KHWG47	Unable To Compare	
L7ZVC2	Similar	Right ear only visible. Lobes are similar, but helix in known seems closer to head, not projecting out as in unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	only the right ear is visible in the known due to angle, right ear appears to be larger in the known, hard to say about earlobe due to quality of the known, shape appears to be dissimilar
LQZ4DH	Inconclusive	
P6CLXG	Similar	Low-resolution known
PD3BCW	Inconclusive	The ears of unknown and known individuals appear similar in length, placement and protrusion from the side of the head. Only the right ear is visible in the known image. It is difficult to see details of known's ear due to the blurred quality of the image.
PGNVGZ	Inconclusive	

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Image Set Q7: Table 4.7(j) - Ears

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Right ear is only visible for comparison; ear appears to protrude farther in K, may be due to pose; concha appears wider in K; lobe appears dissimilar in shape from what is visible, may be due to imaging conditions/pose.
PRMQFV	Inconclusive	Only the right ear is visible on the known. Difficult to compare due to the difference in angles and quality of the knowns image.
PVM3BV	Similar	only one ear of the known is visible for comparison, general shape of the ear appears to be similar - the difference in angle and quality makes details difficult to determine for comparison
PWHKDW	Inconclusive	diificult to compare - image quality in known and not enough showing in unk.
PWYRHE	Dissimilar	Differs in antihelix
PX9LGZ	Dissimilar	The upper part of the helix of the right ear seems different and more protruding on the unknown image.
PY46H2	Unable To Compare	
Q49MUY	Unable To Compare	
QTWDAF	Similar	The left ear is obstructed and therefore not able to be compared. The right ear appears to have a similar size, angle to the upper portion of the helix, pronounced antihelix, and large lobe on both subjects. However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The left ear is not visible in the known image. The helix and antihelix of the right ear are similar.
R273NE	Dissimilar	Can only see right ear of known due to head turn. Anti-helix position appears different. Unknown has a more elongated earlobe and shorter helix.
TBLBPC	Unable To Compare	
U6E77R	Inconclusive	similar in length, both have large earlobes.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Right ear is visible for comparison. The length of the right ear relative to the face might be longer in the Known. Similar long length between the bottom of the lobe to the bottom of the antihelix. In the Unknown, the superior helix bends outward, the shape of the antihelix flattens in the middle, the lobe is long/fleshy/detached. In the Known, the shape of the right ear is not clear due to the distortion (discussed under “Other”); the superior helix does not bend outward, the shape of the antihelix is rounded, and the lobe is long/fleshy detached – in this angled pose, the helix and antihelix dissimilarities could be explainable.
XQMJNP	Similar	Known only has right ear visible due to head tilt. Overall ear shape is similar to unknown right ear.
XTNLEQ	Unable To Compare	The position of the head and poor quality in image A
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	

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Image Set Q7: Table 4.7(j) - Ears

WebCode	Observation	Feature Notes
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Ears	Total Participants: 61
Response	Percent Reported
Similar	13 (21.3%)
Dissimilar	11 (18.0%)
Inconclusive	16 (26.2%)
Unable to Compare	20 (32.8%)
Not Applicable	1 (1.6%)

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Image Set Q7: Table 4.7(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	overall mouth size appears similar; upper and lower lip shape and fullness appears that they could be similar, but difficult to definitively determine due to image quality; both individuals have prominent nasolabial folds and buccal creases that appear similar in shape, but difficult to definitively tell due to image quality; the known appears to have a more prominent mentolabial sulcous
34T74N	Similar	
3LFL7K	Inconclusive	The mouth of the known subject is similar to unknown subject in overal shape, but pixelation limits comparison.
3M7MAM	Unable To Compare	Significant variation in pose angles.
4T9DRJ	Dissimilar	mouth area too blurry on known, creases around mouth don't seem to line up.
6JZ4ZJ	Unable To Compare	UC Image quality, and angle
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Difficult to compare due to the quality of the candidate
89T2WX	Inconclusive	Similar thin lips, but different actions and shooting angles
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The width of the knowns mouth appears wider. Both appear to have thin lips. The sulcus crease is not consistent. The known has a “W” shape crease that is not present on the unknown image. The Unknown image has uneven creases at the right and left commissures that are not apparent on the known image.
9GLTHW	Dissimilar	characteristics are difficult to compare due to quality and angle of known, however overall shape, with a relatively thin linear upper lip and curved lower vermillion border, and size appear to be somewhat similar; fissure shape is dissimilar, but this could be due to angle/ pose difference; lighter pink lip color seems to be similar; unknown has a distinct linear shaped scar-like mark or crease beneath the columella, however this isn’t visible on the known, possibly due to angle and shadowing; although difficult to see, the shadowing on known’s philtrum indicates depth, whereas unknown’s is basically flat; unknown has a linear crease extending from the right corner and an upward curved crease extending from the left corner of the mouth that are not visible on the known; known has a prominent linear shaped mentolabial sulcus that connects to the inward angled marionette lines creating a unique shape beneath the lower lip, whereas unknown’s marionette lines are shorter and angle outward
9KFMFY	[Not Reported]	Known(1) appears to have more of a crease going from corners of mouth to mentolabial sulcus; difference in expression/angle of face; Known(1) has mouth slightly open with no teeth visible in slight lifted/smile expression while Unknown(2) has mouth closed with more slight/neutral expression; both appear to have thin upper/lower lips; unable to compare much finer detail of mouth due to quality of Known(1)
9U4MPG	Unable To Compare	
AKVB9D	Inconclusive	low quality image, head angle and difference in expressions limit comparison.

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Image Set Q7: Table 4.7(k) - Mouth

WebCode	Observation	Feature Notes
B2Z6FC	Similar	Both have a thin upper lip with a thicker lower lip. Both have a visible philltrum.
BZH38T	Dissimilar	The size of mouth is dissimilar.
CKPXLT	Dissimilar	Dissimilar mouth and fissure opening shape, size and angle.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	shape and curvature appear dissimilar
DA6QFC	Inconclusive	
EGJRJR	Inconclusive	Mouth – Upper lip is thinner than bottom lip in both subjects. Known lips appear to be longer which could be a result of subject's pursed expression Mentolabial sulcus of Known is shadow like but distance is an inch from both individuals chin .Face angle of Known prevents view of mouth hindering analysis needed for comparison. Distance from nasal base to upper lip is consistent in subjects.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different shape and texture
FBEYWM	Inconclusive	
FZRJT8	Similar	The mouth on both appears of similar size and shape
H2WQ96	Unable To Compare	Known is looking down and image is too pixelated to compare.
HFB7XM	Similar	Similar lip fissure and thickness of lips.
HRQ6L4	Dissimilar	known image mouth slightly open; width appears similar, angle of upper vermillion border appears dissimilar; Philtrum appears similar in length and prominence; right lateral portion of upper lip in unknown image appears dissimilar.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Partially obscured due to pixilization/image quality of Known image. Fissure and lip details appear similar.
JL2M67	Inconclusive	
K3KWNM	Inconclusive	Lips are similar in thickness/shape. Nasolabial folds is not similar in length/shape.
KEBXX2	Similar	Details aren't clear on the known but both appear thin
KHWG47	Unable To Compare	
L7ZVC2	Similar	Mouth appears to be similar in placement, width and measurements from sulcus and nose. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mouth is slightly open in the known and closed in the unknown, both have thin lips but due to quality can't say if they are similar, marionette lines are dissimilar, philtrum is dissimilar, mentalabial sulcus is dissimilar
LQZ4DH	Similar	Overall shape

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Image Set Q7: Table 4.7(k) - Mouth

WebCode	Observation	Feature Notes
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Dissimilar	Both known and unknown individuals have similar thin, straight lips. The right oral commissure of unknown's mouth is horizontal, while the left oral commissure has a slight downward curve contributing to an overall look of asymmetry. Known's mouth appears slightly longer than unknown. The overall shape of the upper lip appears inconsistent. Known's philtrum appears deeper than unknown.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Overall size of mouth appears dissimilar; upper vermilion border appears dissimilar in shape and corners of mouth appear to point upwards in K; upper lip appears fuller in U, may be due to expression; lower vermillion border and fullness of lower lip appear similar in both; mentolabial sulcus appears farther down and deeper in K; philtrum appears wider and more defined in K, while appearing more of a straight vertical line in U; tone of lips appears dissimilar, may be due to image quality.
PRMQFV	Similar	Lip are similarly thin on known and unknown. The Fissure appears to have a similar curvature. Marionette lines on the unknown, not found on the known.
PVM3BV	Similar	expression and angle difference makes comparison of mouth difficult - creases around the mouths appear to be similar in angle but differ in prominence which could be result of lighting/angle difference
PWHKDW	Inconclusive	
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Unable To Compare	Both seems to have narrow lips, but the pose makes it difficult to compare.
PY46H2	Inconclusive	perspective/ resolution
Q49MUY	Inconclusive	
QTWDAF	Similar	The general contour of the fissure appears to be similar. The lips appear to be thin on both subjects. The length of the philtrum appears to be similar.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The size, shape, and placement are similar.
R273NE	Dissimilar	Known has mouth open slightly, and unknown has mouth closed. Fissure appears different with known's being elongated out on left side and unknown a little more elongated on right. Mouth end angles are also different.
TBLBPC	Dissimilar	philtrum
U6E77R	Inconclusive	both have thin lips, angle of known person and photo quality make it difficult to compare
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Somewhat similar small mouth and thin lips. Lower lip in Unknown has an asymmetrical vermillion border. The vermillion border in the Known is not clear.

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Image Set Q7: Table 4.7(k) - Mouth

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Both subjects appear to have thinner lips. Known mouth is slightly open and appears to be longer than unknown.
XTNLEQ	Unable To Compare	UC Image quality, and angle
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Mouth

Total Participants: 60

Response	Percent Reported
Similar	13 (21.7%)
Dissimilar	13 (21.7%)
Inconclusive	19 (31.7%)
Unable to Compare	14 (23.3%)
Not Applicable	1 (1.7%)

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Image Set Q7: Table 4.7(I) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown's jawline appears to be more prominent; both individuals appear to have a similarly prominent and shaped chin, but difficult to definitively tell
34T74N	Similar	
3LFL7K	Unable To Compare	Pixelation of known subject's photo prevents comparison.
3M7MAM	Unable To Compare	Significant variation in pose angles.
4T9DRJ	Dissimilar	chin seems more prominent on known.
6JZ4ZJ	Similar	Overall shape
7B6GQY	Dissimilar	
7PHQBF	Unable To Compare	Difficult to compare due to the quality of the candidate.
89T2WX	Inconclusive	Similar width, but different shooting angles
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The chin on the known image appears to tilt forward while the unknowns does not. The width of the chin on the unknown image appears wider and more square than that of the known image. The jowl area of the unknown appears fuller more wide than that of the known image.
9GLTHW	Dissimilar	jawline is difficult to compare due to quality of known and differences in angle and pose, however curved shape and length appear to be similar; width, short height, and rounded square shape appears to be similar, however known's appears to protrude more/ be more prominent, and the contour more rounded, but this could be due to angle difference
9KFMFY	Dissimilar	chin appears to have slight cleft chin for Known(1) not similar to Unknown(2), could be quality or lighting; chin appears to protrude slightly more for Known(1) than Unknown(2), difference in expression/angle of face
9U4MPG	Inconclusive	
AKVB9D	Unable To Compare	image angle and low quality of known limits observtions
B2Z6FC	Similar	Both have a square shaped chin. Known might have a cleft chin?
BZH38T	Dissimilar	The jawline is dissimilar.
CKPXLT	Inconclusive	Similar chin shape. Dissimilar chin size.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape, pixelated in known so can't compare features
DA6QFC	Inconclusive	

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Image Set Q7: Table 4.7(I) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	Inconclusive	Chin/Jawline – Individuals overall chin appears to be similar size and distance from mouth. Due to Known's pose position analysis was done using right jawline which appears to be square jawline into a rounded protruding chin. Known's jawline appears to be longer and mentolabial sulcus more pronounced which may be attributed due to subjects' proximity to camera and pose angle. Unknown jawline is square but poorly defined possibly due to jowl sulcus leading into rounded chin.
EGYH2B	Unable To Compare	
ELRHHR	Dissimilar	different shape
FBEYWM	Inconclusive	
FZRJT8	Similar	The chin and jawline are of similar size and shape
H2WQ96	Dissimilar	Unknown's chin appears to be more rounded.
HFB7XM	Similar	Similar chin and jawline.
HRQ6L4	Inconclusive	due to image quality and pose, unable to determine if similar or dissimilar; height of the chins from lower lip to bottom of chin appear dissimilar in length.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Rounded jawline and pointed chin similar.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Chin similar in shape/size. Unable to compare jawline. Buccal crease is similar in location but not similar in size/shape.
KEBXX2	Similar	Both appear to have a strong square/flat chin
KHWG47	Similar	
L7ZVC2	Dissimilar	Chin of known appears to have cleft while cleft is not visible in unk. Chin of known appears less rounded in known and more square. Unknown presents with a more rounded, smooth chin. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	jawline isn't visible in the known due to angle and clothing, chin length appears to be longer in the unknown, creases on the unknown chin are not visible in the known, known chin appears to be more square where the unknown has some roundness to it
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Inconclusive	Known's chin appears more squared than unknown. Known's chin appears to protrude more than unknown's chin. Known image may have a small dimple and/or cleft chin that does not appear on the unknown image. Most of the jawline on the known image is covered by clothing.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Chin appears similar in overall shape, however K appears to have cleft and appears to be more protruded than U; jawline appears wider in U, may be due to pose, dissimilar in shape.

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Image Set Q7: Table 4.7(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Curvature of the knowns chin appears to be more squared, more rounded on the unknown.
PVM3BV	Similar	general shape of the chin appears to be similar between subjects - jawline appears to follow similar angle with consideration of the angle difference of the subjects in the image
PWHKDW	Dissimilar	known's chin appears more pointed and unk is a little more rounded. Could be due to known's angle in image.
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Dissimilar	The jawline and chin seems to be narrower and more protruding on the known image.
PY46H2	Inconclusive	difference in perspective
Q49MUY	Inconclusive	
QTWDAF	Similar	The gonial angle appears to be similar. The width of the chin appears to be similar. The chin has a similar depression on both subjects.However there is blurring and quality issues and i don't think things line up enough
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Dissimilar	Unknown appears to have more rounded jawline coming down toward chin. Chin shape and size appears different between the two. Known appears to have a divet or slight cleft in middle of chin not seen on unknown.
TBLBPC	Unable To Compare	different position, artifacts
U6E77R	Similar	similar shape in jawline
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	The chin shape/size and mentolabial sulcus appearance are similar. I'm unsure if the Known has a cleft or if the dark area is the result of distortion. The Unknown has a wider jaw; I'm inconclusive on the shape of the Known's jaw due to face pose and image factors.
XQMJNP	Dissimilar	Both subjects have a square protruding chin. Unknown has more skin around the chin/ jawline than the known.
XTNLEQ	Similar	Overall shape
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

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Features Observations Response Summary - Q7 Chin/Jawline		Total Participants: 61
Response	Percent Reported	
Similar	15 (24.6%)	
Dissimilar	18 (29.5%)	
Inconclusive	18 (29.5%)	
Unable to Compare	10 (16.4%)	
Not Applicable	0 (0.0%)	

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Image Set Q7: Table 4.7(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to clothing covering
34T74N	Similar	
3LFL7K	Unable To Compare	Known subject's neck is not visible.
3M7MAM	Unable To Compare	The known person's neck area is obscured.
4T9DRJ	Not Applicable	neck not visible on known
6JZ4ZJ	Unable To Compare	Neck is covered in Image A
7B6GQY	Dissimilar	
7PHQBF	Unable To Compare	
89T2WX	Unable To Compare	The known sample is blurry
8FP3RH	Unable To Compare	
8ZX32H	Inconclusive	
93ZDEX	Unable To Compare	No visibility on the known image.
9GLTHW	Unable To Compare	due to angle and pose of known
9KFMFY	Not Applicable	unable to compare neck due to not being visible for Known(1) due to angle of head/clothing
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	not visible in known image
B2Z6FC	Unable To Compare	Not visible in known
BZH38T	Unable To Compare	Cannot be compared due to the clothes.
CKPXLT	Unable To Compare	Clothing in the Known limits neck visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	known neck not visible for comparison
DA6QFC	Unable To Compare	
EGJRJR	Unable To Compare	Neck – Pitch of Known, attire worn by subject, and quality of image prevents view of subject's neck hindering analysis needed for comparison. Unknown has a short neck with loose skin where chin meets neck due to age of subject. Unknown has 2 horizontal creases in the center of neck near base that are parallel to each other with the lower crease being deeper and extending further.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible for known profile
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The known's neck is not visible

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Image Set Q7: Table 4.7(m) - Neck

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Known's neck is covered by clothing.
HFB7XM	Unable To Compare	
HRQ6L4	Unable To Compare	not visible in known image due to clothing.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	
JL2M67	Inconclusive	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Neck in known is obscured by clothing and is not available for comparison. (Inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	neck isn't visible in the known to compare
LQZ4DH	Inconclusive	
P6CLXG	Unable To Compare	
PD3BCW	Not Applicable	Not visible on known image for comparison purposes.
PGNVGZ	Unable To Compare	
PKLEJY	Unable To Compare	
PRMQFV	Unable To Compare	Unable to compare, not visible on the known.
PVM3BV	Unable To Compare	neck of known is not visible
PWHKDW	Unable To Compare	chin covered by shirt in known
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Unable To Compare	
PY46H2	Unable To Compare	obstructed on known
Q49MUY	Unable To Compare	
QTWDAF	Unable To Compare	
QYFHZU	Unable To Compare	Unable to compare because the neck is not visible in the known.
R273NE	Inconclusive	UYnable to see neck of known due to head turn and collared shirt.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	known subject has shirt covering neck

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Image Set Q7: Table 4.7(m) - Neck

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Unable To Compare	Neck is not visible in Known for comparison
XQMJNP	Unable To Compare	Known neck is not visible due to clothing and head tilt/ angle.
XTNLEQ	Unable To Compare	in Image A neck is covered
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Neck

Total Participants: 62

Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	1 (1.6%)
Inconclusive	7 (11.3%)
Unable to Compare	50 (80.6%)
Not Applicable	3 (4.8%)

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Image Set Q7: Table 4.7(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed in either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Unable To Compare	The portrait of the known person appears blurred.
4T9DRJ	Dissimilar	shadow of mustache on unknown not on known.
6JZ4ZJ	Unable To Compare	Image A poor quality
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	The known sample is blurry
8FP3RH	Unable To Compare	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	[Not Reported]	unable to compare smaller/fainter details of potential facial hair due to quality of Known(1); both Known(1)/Unknown(2) do not appear to have dark/heavy facial hair above upper lip or on chin/cheeks/jawline
9U4MPG	Unable To Compare	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Unable To Compare	Cannot be compared due to image low quality.
CKPXLT	Not Applicable	Image quality in the Known limits facial hair visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	remanants of mustache visible in unknown not in known
DA6QFC	Unable To Compare	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Inconclusive	not visible for known profile
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Unable To Compare	Known's image is too pixelated to compare.

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Image Set Q7: Table 4.7(n) - Facial Hair

WebCode	Observation	Feature Notes
HFB7XM	Unable To Compare	Both appear to be clean shaven.
HRQ6L4	Not Applicable	none visible in either image.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	Unknown has a light mustache. UNABLE TO COMPARE
KEBXX2	Not Applicable	
KHWG47	[No observations reported for this feature.]	
L7ZVC2	Inconclusive	Light facial hair/moustache in unknown but unable to compare to known due to poor quality of known photograph. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Inconclusive	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	There is no facial hair on known or unknown individual
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Facial hair growth pattern visible in U, not visible in K, may be due to quality.
PRMQFV	Dissimilar	Light growth on known and unknown. Shadows of the growth patterns appear to be dissimilar, no growth on the left and right sides of the upper lip on the known, growth in that area on the unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Inconclusive	Can't be compared
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	[Not Reported]	Unable to compare because the known image is blurred in the known.
R273NE	Not Applicable	Neither has facial hair.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	can't see in known blurry pic

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Image Set Q7: Table 4.7(n) - Facial Hair

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Both have shaven faces.
XQMJNP	Inconclusive	Unknown has a growth pattern of hair on his upper lip, but no significant hair. Due to poor image quality no faicial hair or growth pattern is visible on known.
XTNLEQ	Unable To Compare	poor quality in image A
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Facial Hair

Total Participants: 58

Response	Percent Reported
Similar	1 (1.7%)
Dissimilar	3 (5.2%)
Inconclusive	6 (10.3%)
Unable to Compare	19 (32.8%)
Not Applicable	29 (50.0%)

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Image Set Q7: Table 4.7(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	Partially Inc.
3LFL7K	Inconclusive	The nasolabial fold and buccal crease of the right cheek of known subject appears similar to that of unknown, but is very pixelated.
3M7MAM	Dissimilar	Wrinkles on the face appear differently.
4T9DRJ	Dissimilar	There is a vertical glabellar line on known which is not on known. Right periorbital creases do not appear to be on known which are on unknown. Lines around mouth don't line up, forehead lines don't line up.
6JZ4ZJ	Similar	Frontal lines (forehead wrinkles) Distribution, Right superior palpebral crease (Visibility), Periorbital lines adjacent to right eye (prominence),Right inferior palpebral crease prominence Right buccal creases/folds Right nasolabial crease/folds
7B6GQY	Dissimilar	
7PHQBF	[Not Reported]	Both the probe and candidate have frontal lines on the forehead. It is difficult to say if the fontal lines line up with each due to the quality of the candidate image. Both the probe and candidate have right buccal cease that looks to be similar in length and depth. The candidate appears to have a deeper nasolabial fold compared to the probe. There is a difference in expression change between the probe and candidate that could explain that difference
89T2WX	Dissimilar	The wrinkles on the right lower part of the chin, at the nasal root, and on some parts of the forehead do not match
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	There are several creases on the foreheads of both images. The known does not have the same number of creases visible but this could be due to poor quality image and angle and pose differences. The creases in the nasal area and then on the right cheek also do not appear consistent in placement or length.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	Known(1) appears to have a prominent vertical glabellar line more centered between eyebrows that is not present for Unknown(2); visible frontal lines of Known(1) appear different in curve/relative one another to frontal lines present for Unknown(2); some frontal lines visible for Unknown(2) do not appear present for Known(1), such as the frontal lines curving lowest/closest to the left/right eyebrows; Known(1) has much more prominent right nasolabial fold that curves rounder and further past right corner of mouth; curve of right buccal crease of Known(1) is more prominent than Unknown(2); right nasolabial fold of Unknown(2) appears to have slight bifurcation in the crease closer to right corner of mouth that does not appear present for Known(1)
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	low quality known image limits observation- frontal lines, nasolabial crease/fold, buccal creases present. unknwon has full gamut of frontal lines, nasolabial creases, marionette lines, buccal creases, vertical glabellar lines, infraorbital, palpebral creases, neck wrinkles.
B2Z6FC	Similar	discussed above

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Image Set Q7: Table 4.7(o) - Facial Lines

WebCode	Observation	Feature Notes
BZH38T	Dissimilar	The wrinkles around the forehead, mouth and the nasolabial folds are dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead crease, glabellar line, nasion crease, superior and inferior palpebral crease, crow's feet, marionette line, neck crease shape, size, number and placement in the Unknown not visible in the Known.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	do not appear consistent in lcoation, shape, or relationship across two images
DA6QFC	Unable To Compare	
EGJRJR	Inconclusive	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different dimensions and pattern
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The nasolabial fold on the known's right cheek does not seem similar to the nasolabial fold of the unknown's right cheek. The frontal lines on the known are difficult to see clearly, but they do not appear to be similar to the unknown.
H2WQ96	Dissimilar	Both appear to have frontal lines, nasolabial folds, and buccal creases, but they don't appear to be in the same position or at the same depth.
HFB7XM	Inconclusive	Similar right buccal crease, frontal lines appear to be similar but are inconclusive due to image quality. Inconclusive nasolabial crease.
HRQ6L4	Inconclusive	similar length, contour, and prominence of nasolabial folds and buccal creases; similar lines/furrows in 2 locations on right eyebrow but not detailed in known image due to quality/resolution; similar positioning of some frontal lines that are not dissimilar, but not enough details present for thorough comparison. Infraorbital furrows are similar in positioning but not detailed; dissimilar area of vertical glabellar lines (present but not detailed in known image and not present in unknown image).
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Nasolabial folds, infraobital lines, frontal lines and buccal creases appear similar.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Unable To Compare	Image quality of the known is too low to see details though they both appear to have forehead creases
KHWG47	Dissimilar	
L7ZVC2	Inconclusive	Nasolabial lines very pronounced in known and unknown. Marionette lines in both but unknown has a more vertical line appearing on right side of mouth not present in known. However, due to poor quality of known photo, complete comparison is unavailable. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown has more creases throughout the face

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Image Set Q7: Table 4.7(o) - Facial Lines

WebCode	Observation	Feature Notes
LQZ4DH	Dissimilar	Frontal lines (horizontal), nasion line
P6CLXG	Similar	
PD3BCW	Similar	There are many visible facial lines and creases including but not limited to neck creases, crow's feet, forehead lines in the unknown image that are not as clear in the known image. Most facial lines were previously mentioned in above feature list.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Vertical glabellar line appears deeper in K, dissimilar in quantity and location in U; inferior palpebral creases and superior palpebral creases appear dissimilar in shape/definition/quantity from what is visible. Others aforementioned.
PRMQFV	Dissimilar	Both subjects have frontal lines. The arrangement of the lines are dissimilar, more abundant and across the entire forehead on the unknown. Crows feet on the unknown, not found on the known. Inferior palpebral creases on the unknown, not found on the known. Creases on the ledt and right sides of the unknowns cheeks, not found on the known. Crease on the right side of the face, also found on the unknown. Mentolabial sulcus found on the known, not prominent or as long on the unknown.
PVM3BV	Similar	facial lines are mentioned in the forehead, cheeks, nose, and mouth sections above
PWHKDW	Inconclusive	Naolabial folds do not appear to match.
PWYRHE	Dissimilar	Naseogenial folds.
PX9LGZ	Unable To Compare	
PY46H2	Dissimilar	length/position of creases on forehead, buccal creases
Q49MUY	Similar	
QTWDAF	Similar	Due to quality some of the finer/smaller facial lines are not able to be compared on the known. There is a similar frontal line on the right of the forehead in both subjects. The buccal creases appear to be in a similar alignment and contour. The nasolabial lines appears to have a similar contour and location however the depth appears different but this is likely due to expression change.
QYFHZU	Inconclusive	There are some frontal lines visible in the known image that are similar to the unknown. The image is blurred any other frontal lines are obscured. The right side nasolabial fold and the buccal crease are similar. The right side is not visible.There are some frontal lines visible in the known image that are similar to the unknown. The image is blurred any other frontal lines are obscured. The right side nasolabial fold and the buccal crease are similar. The right side is not visible.
R273NE	Dissimilar	Nasolabial line curvature on righgt side is different. Other lines discussed in above categories.
TBLBPC	Unable To Compare	different position, grimace, resolution
U6E77R	Similar	similar horizontal lines in forehead, buccal creases/folds
U778AU	[No observations reported for this feature.]	

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Image Set Q7: Table 4.7(o) - Facial Lines

WebCode	Observation	Feature Notes
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	The Unknown has frontal lines, vertical glabellar lines, nasion creases, periorbital lines and many other fine lines on the upper/lower eyelids that go beyond the superior/inferior palpebral creases and infraorbital creases, nasolabial creases, marionette lines, buccal creases, neck creases, and vertical creases on the lateral side of both cheeks. The Known has frontal lines, possible vertical glabellar lines, nasolabial creases, buccal creases, mentolabial sulcus, and possibly a chin cleft (it's also possible that the perceived chin cleft is misinterpreted from the image distortion issue discussed below under "Other"). The frontal lines appear somewhat dissimilar in number and placement, but they are not clear enough to say for certain. The nasolabial creases in the Unknown end outside the corners of the mouth, but the nasolabial creases in the Known extend past the mouth and into the chin area; it's possible this difference could be caused by the different mouth expressions. The right buccal crease appears somewhat similar (similar towards the top, but towards the bottom the Unknown's appears rounded and the Known's appears angular). The mentolabial sulcus is a similar shape and in a similar placement on the chin.
XQMJNP	Dissimilar	Known facial lines around the nose and mouth start at the nostrils and extend well past the mouth. Known also has an extra vertical facial line out the outside of the previously mentioned lines. Unknown facial lines around the nose and mouth start at the nostrils and go to the start of the mouth. Known has a set of vertical facial lines outside of the previously mentioned lines that go down to the chin. Unknown appears to have significantly more facial lines than known. See above for additional descriptions.
XTNLEQ	Similar	Frontal lines (forehead wrinkles) Distribution Right superior palpebral crease (Visibility) Periorbital lines adjacent to right eye (prominence) Right inferior palpebral crease prominence Right buccal creases/folds Right nasolabial crease/folds
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Dissimilar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Facial Lines

Total Participants: 60

Response	Percent Reported
Similar	11 (18.3%)
Dissimilar	27 (45.0%)
Inconclusive	12 (20.0%)
Unable to Compare	9 (15.0%)
Not Applicable	1 (1.7%)

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Image Set Q7: Table 4.7(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Unable To Compare	The portrait of the known person appears blurred.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	
8FP3RH	Not Applicable	
8ZX32H	Unable To Compare	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	unable to compare smaller/finer details due to quality of Known(1)
9U4MPG	Unable To Compare	
AKVB9D	Inconclusive	scar- below columella/philtrum area of unknown
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Image quality in the Known limits scars visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Unable To Compare	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Not Applicable	not visible
FBEYWM	Unable To Compare	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No scars observed.
HFB7XM	Inconclusive	

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Image Set Q7: Table 4.7(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	no scars visible
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	Image quality of the known is too low
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	may be presence of a scar above right side of lip in U and below right side of lip, may be facial lines, not visible in K, may be due to quality.
PRMQFV	Not Applicable	No scars observed on known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Inconclusive	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Unable To Compare	not able to be determined due to quality
QYFHZU	Not Applicable	
R273NE	Not Applicable	No scars of note
TBLBPC	Unable To Compare	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	

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Image Set Q7: Table 4.7(p) - Scars

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	There are three dark lines above the eyebrows that are either creases or possibly scars. Unable to see scars in the Known due to image quality.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Scars

Total Participants: 60

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	1 (1.7%)
Inconclusive	5 (8.3%)
Unable to Compare	17 (28.3%)
Not Applicable	37 (61.7%)

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Image Set Q7: Table 4.7(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown has some facial marks present on the forehead that are not visible on the known (potentially due to image quality issues)
34T74N	Unable To Compare	
3LFL7K	Not Applicable	
3M7MAM	Unable To Compare	The portrait of the known person appears blurred.
4T9DRJ	Dissimilar	There is a mark on right side of mouth on unknown to the right of the right nasolabial fold which does not appear to be on the known.
6JZ4ZJ	Not Applicable	none
7B6GQY	Inconclusive	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Not Applicable	
9KFMFY	[Not Reported]	unable to compare potential small/lighter facial marks due to quality of Known(1)
9U4MPG	Unable To Compare	
AKVB9D	[Not Reported]	low quality known image prohibits comparision
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Unable To Compare	Image quality in the Known limits skin detail/marks visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	multiple seen in unknown image which can not be viewed in known
DA6QFC	Not Applicable	
EGJRJR	Inconclusive	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Not Applicable	not visible
FBEYWM	Unable To Compare	
FZRJT8	[Not Reported]	None visible
H2WQ96	Unable To Compare	Known's image is too blurry to compare facial marks.

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Image Set Q7: Table 4.7(q) - Facial Marks

WebCode	Observation	Feature Notes
HFB7XM	Inconclusive	
HRQ6L4	Not Applicable	no marks visible in known image possibly due to image quality.
HUCPQ8	Unable To Compare	
HYQFYM	Inconclusive	
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	Image quality of the known is too low
KHWG47	Not Applicable	
L7ZVC2	Inconclusive	Due to poor quality of known photograph, complete comparison of facial marks is not available. Minimal facial marks on unk. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Facial marks present on U, not visible in K, may be due to quality.
PRMQFV	Dissimilar	Facial marks on the right cheek and towards the upper part of the unknowns forehead, not found on the known.
PVM3BV	Not Applicable	
PWHKDW	Dissimilar	The creases on the forehead are different and the creases 'smile lines' apear different
PWYRHE	Dissimilar	Differs in nasolabial folds
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Unable To Compare	not able to be determined due to quality
QYFHZU	Not Applicable	
R273NE	Dissimilar	Unknown has small marks or age spots on forehead that arent visible on known. No makrs seen on known probably due to quality of image.
TBLBPC	Unable To Compare	
U6E77R	Not Applicable	

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Image Set Q7: Table 4.7(q) - Facial Marks

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Unknown has a few light marks on the upper forehead, lower cheeks, left helix and antihelix, and on the neck; there is a larger mark/possible scar under the lower lip. Unable to see marks on the Known due to image quality
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q7 Facial Marks

Total Participants: 58

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	7 (12.1%)
Inconclusive	8 (13.8%)
Unable to Compare	21 (36.2%)
Not Applicable	22 (37.9%)

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Image Set Q7: Table 4.7(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	both individuals are wearing glasses (different style)
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	The glasses are different.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Inconclusive	Different eyeglasses
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Similar	both are wearing glasses
9KFMFY	[Not Reported]	both Known(1)/Unknown(2) are wearing glasses
9U4MPG	Not Applicable	
AKVB9D	Similar	both wear glasses
B2Z6FC	Not Applicable	
BZH38T	Dissimilar	The shape of the eyeglasses are dissimilar.
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Dissimilar	age, hair decline, image quality in known
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Unable To Compare	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	different head tilt and physical alteration
FBEYWM	Not Applicable	
FZRJT8	[Not Reported]	None visible
H2WQ96	Not Applicable	No alterations observed.
HFB7XM	Not Applicable	

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Image Set Q7: Table 4.7(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Similar	both image subjects are wearing glasses but glasses appear different in style.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	corrective lenses with frames on both known and unknown individual
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Both subjects are wearing glasses.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	Forehead wrinkles Multiple wrinkles on the forehead.
PX9LGZ	Similar	Glasses are worn on both images.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Similar	glasses on both subjects
QYFHZU	Not Applicable	
R273NE	Dissimilar	Both have glasses on.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q7: Table 4.7(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	[Not Reported]	Unknown and Known are wearing glasses. The frames are casting shadows onto the face, which is especially disruptive in the Known.
XQMJNP	Similar	Both subjects are wearing glasses. Known has thin metal framed glasses. Unknown has black framed glasses.
XTNLEQ	Not Applicable	none
XYERF8	[No observations reported for this feature.]	
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q7 Alterations	Total Participants: 57
Response	Percent Reported
Similar	6 (10.5%)
Dissimilar	6 (10.5%)
Inconclusive	2 (3.5%)
Unable to Compare	3 (5.3%)
Not Applicable	40 (70.2%)

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Image Set Q7: Table 4.7(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known image is under exposed with significant shadowing present, whereas unknown image has decent lighting
CKPXLT	Limitations		Image quality, pose, expression, ageing, styling, lighting and occlusion.
H2WQ96	Eyeglasses	Similar	Both are wearing eyeglasses.
LADNAL	Quality	Dissimilar	known image quality is pixilated angled image where the subject is looking downward, the unknown is a good frontal image, lighting is brighter in the unknown

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Detailed Feature Observations

TABLE 4 - Image Set Q8

Image Set Q8: Table 4.8(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar skin tone and texture
34T74N	Similar	
3LFL7K	Similar	The skin of both the known and unknown subjects apepars smooth and similar in color.
3M7MAM	Similar	Similar texture, different skin tones.
4T9DRJ	Similar	similar complextion
6JZ4ZJ	Similar	Same skin tone, texture
7B6GQY	Similar	
7PHQBF	Similar	Skin tones appears to be similar between the probe and candidate.
89T2WX	Dissimilar	The skin tone is different, possibly due to the use of light foundation.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar coloring and skin tone.
9GLTHW	Similar	slightly weathered texture is similar; complexion appears to be dissimilar, as the known's appears to have a tanned tonality, whereas the unknown's is fair, however this could be attributed to differences in lighting or sun exposure; highlighting and shadowing on the contours of the face are similar, indicating that the underlying musculature and bone structure is similar
9KFMFY	[Not Reported]	similar skin texture; both have lighter skin tones; Known(1) appears to have slightly redder tint which can be from difference in lighting/sun exposure
9U4MPG	Inconclusive	Different lighting conditions may affect the tone
AKVB9D	Similar	pock marked
B2Z6FC	Similar	Similar texture, tone and luminance.
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is dark due to lighting.
CKPXLT	Inconclusive	Similar skin texture. Dissimilar skin tone.
CUYZ8T	Similar	
D2QZYQ	Similar	similar texture, coloring off due to lighting
DA6QFC	Similar	
EGJRJR	Similar	Skin – Subjects have fair skin with pink undertones. Probe appears tanner or warmer in image compared to Candidate who appears paler due to lighting differences and image quality. Illumination zones are consistent in individuals forehead, cheeks, and nose.

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Image Set Q8: Table 4.8(a) - Skin

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same texture, marks, scars, color, etc.
FBEYWM	Similar	
FZRJT8	Inconclusive	The lighting of the known is darker and her skin appears darker in the image than the skin tone of the unknown.
H2WQ96	Similar	Tone is similar but a little darker in the known, maybe from the sun.
HFB7XM	Similar	
HRQ6L4	Similar	similar texture, slightly different color possibly due to makeup.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion, tone and facial marks/scars.
JL2M67	Similar	
K3KWNM	Similar	Skin is not similar in color. Known appears darker. This could be due to lighting. Texture is similar. Luminance is similar in pattern on the face.
KEBXX2	Similar	Overall texture seems similar though the known's tone is darker - perhaps due to lighting or image quality
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones and texture between known and unk. Some lighting differences in known due to overhead lighting. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	tone appears darker in the known but that's due to lighting, texture is similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have consistent light skin color with the known image having a slightly warmer tone. Each image has a mostly smooth skin texture with a few small pitted areas. Known and unknown individual appear to be close in age with consistent weight in the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears dissimilar in overall tone, similar in texture.
PRMQFV	Similar	Tone of the unknowns skin appears to be lighter, possibly due to the difference in lighting. Texture of the skin is fairly smooth on both subjects.
PVM3BV	Similar	skin tone and texture appear to be similar between subjects when considering the lighting difference
PWHKDW	Similar	Similar skin ton
PWYRHE	Similar	same color
PX9LGZ	Similar	The skin texture is similar. Tone seems different due to the difference of lighting conditions.

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Image Set Q8: Table 4.8(a) - Skin

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The subjects appear to have a similar light skin tone with difference in hue which are likely due to quality or lighting. The skin texture appears to be smoother on the known but this is likely due to quality.
QYFHZU	Similar	Color and tone are consistent
R273NE	Similar	Known and unknown have similar texture of skin, luminance also appears similar. Skin tone appears different but that is more than likely due to lighting in each image being different.
TBLBPC	Similar	similar color and texture
U6E77R	Similar	similar texture and smoothness
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar tone and texture. Skin appears darker in the Known, but likely due to lighting in the photo. Texture isn't smooth.
XQMJNP	Dissimilar	Known skin tone is darker in color. Unknown skin tone is pale. This could be due to lighting and/or make-up.
XTNLEQ	Similar	Same skin tone, texture
XYERF8	[Not Reported]	Dissimilarities include: (may be due to differences in lighting and image quality in Q & R) Overall skin appearance: texture, tone
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Skin

Total Participants: 60

Response	Percent Reported
Similar	51 (85.0%)
Dissimilar	4 (6.7%)
Inconclusive	3 (5.0%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.3%)

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Image Set Q8: Table 4.8(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall facial shape and cranial vault shape
34T74N	Similar	
3LFL7K	Similar	The forehead on both is similar in height and distance between brow ridge and hairline. The brow ridge is not prominent on either.
3M7MAM	Similar	Basically identical face shapes.
4T9DRJ	Similar	Similar outline
6JZ4ZJ	Similar	Overall shape
7B6GQY	Similar	
7PHQBF	Similar	Both the probe and candidate have a circular face shape.
89T2WX	Similar	The facial shape is similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/head outline is similar in shape and size.
9GLTHW	Similar	overall shape of the face and small size of the head is similar
9KFMFY	[Not Reported]	similar rounder shape to face/head outline
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Rounded head shape
BZH38T	Similar	The shape and the length of the face are similar.
CKPXLT	Similar	Similar head and face shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Outline – both individuals have a square-ish facial outline with rounded edges while Unknown has a longer chin which maybe attributed to facial expression difference in subjects.
EGYH2B	Similar	
ELRHHR	Similar	same geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Similar	
FZRJT8	Similar	The face head/outline is very similar
H2WQ96	Similar	Face shape is similar.

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Image Set Q8: Table 4.8(b) - Face/Head Outline

WebCode	Observation	Feature Notes
HFB7XM	Similar	
HRQ6L4	Similar	similar shape and contour.
HUCPQ8	Similar	
HYQFYM	Similar	Similar round shape, squared jawline and rounded chin.
JL2M67	Similar	
K3KWNM	Similar	Face/head outline is similar in round shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have oval facial structure with similar cranial vault formation. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	overall head shape/size is similar; the unknown might be a little wider but could be weight/expression pulling cheeks outward
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown are frontal images with a similar round facial contour. The facial outline of both known and unknown is consistent, evenly curved from top of head to underneath of chin. Features are consistent in placement on the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears similar; overall shape of face appears similar but slightly wider in U, may be due to weight.
PRMQFV	Similar	Head is rounded on known and unknown. Overall size of the head is similar.
PVM3BV	Similar	general shape of the outline of the face appears to be similar
PWHKDW	Similar	Similar outline
PWYRHE	Similar	brachycephalic
PX9LGZ	Similar	Both have a round-shaped head.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The face/head outline appears to be similar with a generally round/oval shape with a wider cheek area.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Similar	Both have similar head shapes with short heads and similar width at top and down through botoom.
TBLBPC	Similar	

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Image Set Q8: Table 4.8(b) - Face/Head Outline

WebCode	Observation	Feature Notes
U6E77R	Similar	similar oval shape to face
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar heart-shaped head. Similar cranial vault shape.
XQMJNP	Similar	Both subjects have small rounded square heads.
XTNLEQ	Similar	Overall shape
XYERF8	[Not Reported]	Similarities include: Overall shape of the face Not comparable: (due to obstructions in one or both images) Shape of the cranial vault
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Face/Head Outline

Total Participants: 60

Response	Percent Reported
Similar	60 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial feature symmetry; similar size and proportion of the facial features to one another
34T74N	Similar	
3LFL7K	Similar	The eyes, nose, mouth, and ears are consistent in spacing, relateive distances and appearance on both subjects.
3M7MAM	Similar	The proportions and positions of facial features are basically identical.
4T9DRJ	Similar	Same composition.
6JZ4ZJ	Similar	Overall position of features
7B6GQY	Similar	
7PHQBF	Similar	The intercanthal distance of the eyes appears to be similar between the probe and candidate. The distance from the eyebrows to the eyes appears to be similar between the two images. From the nasal width to the upper lips appears to be consistent in distance.
89T2WX	Similar	The proportions are similar.
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/composition is similar in that the features are consistent in location within the two images. Approximate distance from bridge of the nose to eye placement is similar.
9GLTHW	Similar	configuration, alignment, and size of the visible facial features are consistent with respect to each other and their location on the face
9KFMFY	[Not Reported]	similar intercanthal distance; similar distance from nasal tip to upper lip; similar distance from lower lip to chin; similar distance from nasal tip to eyes
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Spatial relationship between the features is similar. Eyes appear equal distance apart. Similar distance between bottom lip and chin
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Similar	Similar nose width relative to eyes, upper lip to nose and lower lip to relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Composition – Features are concentrated to subjects lower 2/3rd of the face however some distance and spacing of feature are dissimilar between subjects. Noticeable differences in distance nose to mouth and mouth to chin which is longer in Known and Unknown respectively. Theses discrepancies may be attributed to the expression difference in Unknown.

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Image Set Q8: Table 4.8(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same in positioning, frame and pose
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition is very similar
H2WQ96	Similar	Proportions/positions of features is similar.
HFB7XM	Similar	
HRQ6L4	Similar	features have similar positioning relative to other features.
HUCPQ8	Similar	
HYQFYM	Similar	Somewhat wide intercanthal and interpupillary distances, shorter and wider nose, average mouth fissure, rounded chin
JL2M67	Similar	
K3KWNM	Similar	Face is similar in length/width. Features are placed on the face in a similar fashion. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance and Interpupillar distance is similar. Ear is placed on the head in a similar position. The nose is in a similar position relative to the eyes and mouth. The mouth is in a similar position between the nose and chin.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from mouth to chin is similar
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown are frontal images with right and left side facial features equally visible. Position and proportion of facial features on the face appear equal between known and unknown.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes, nose, and mouth relative to face length and each other appear similar.
PRMQFV	Similar	Nose to mouth distance is similar. The distance between the eyes is also similar. Mouth in relation to the chin is similar.
PVM3BV	Similar	general shape and size of the facial features appear to be similar between subjects
PWHKDW	Similar	similar composition
PWYRHE	Similar	proportionate

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Image Set Q8: Table 4.8(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PX9LGZ	Similar	Relative distances between facial features are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar alignment with the left eye being higher and the nasal tip being closer to the mouth than the eyes.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Known and unknown have features similar in position relative to the other features of the face.
TBLBPC	Similar	
U6E77R	Similar	equal distances between eyes, nose, mouth and chin
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar width of nose relative to eyes. Similar width of mouth relative to eyes. Similar distance from nose to upper lip relative to face length. Similar distance from chin to lower lip relative to face length. Somewhat similar ear position relative to eyes, nose, and mouth (the pitch is slightly different in the images, the ear is lining up a bit higher on the face in the Unknown). Similar eye position relative to face length.
XQMJNP	Similar	Features are spaced evenly on both subjects.
XTNLEQ	Similar	Overall position of features
XYERF8	[Not Reported]	Similarities include: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Eye position relative to face length Dissimilarities include: (may be due to differences in pose and lighting in Q & R) Approximate distance from chin to lower lip relative to face length Ear position relative to eyes, nose, and mouth
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Face/Head Composition

Total Participants: 60

Response	Percent Reported
Similar	59 (98.3%)
Dissimilar	1 (1.7%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar hair color with both individuals having brown hair; similar hair texture; unknown has hair styled down while known has hair pulled up; unknown has hair part on the right side of the head where known has no visible part, but inset area of differing hair growth towards the left side of the face (not visible in the unknown due to hair covering); similar temporal hairline growth
34T74N	Similar	
3LFL7K	Similar	The hair is similar in texture and length on both. The color is slightly different, possibly due to lighting difference.
3M7MAM	Inconclusive	Similar hair color, different hairstyles.
4T9DRJ	Similar	similar dark hair although part is on opposite side.
6JZ4ZJ	Similar	Shape/spatial distribution , Texture , Symmetry , Density and distribution of density , Tonality and variation in color/tonality
7B6GQY	Similar	
7PHQBF	Similar	The hair color between the probe and candidate appears to have a slight difference. On the probe she has black hair with brown highlights, while the candidate has more brown hair.
89T2WX	Dissimilar	The hair color and hairstyle are different.
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Not Applicable	The known image has hair pulled back away from the face while the unknown images hair is down.
9GLTHW	Dissimilar	part is in different locations, as styling is dissimilar, with known's hair pulled up versus unknown's being down, which makes comparison of the hairline difficult; color is dissimilar as known's is brown in color with evidence of darker roots, whereas unknown has larger dark portion at the roots and lightens to a similar brown color, however this difference could be attributed to grooming differences
9KFMFY	[Not Reported]	similar darker color to hair; similar hair texture; Known(1) has hair pulled back while Unknown(2) has hair loose and down; Unknown(2) appears to have lighter color toward end of hair; difference in how hair is parted from difference in styling of hair
9U4MPG	Similar	
AKVB9D	Dissimilar	different hairstyles, color
B2Z6FC	Similar	Both have similar color hair with similar texture.
BZH38T	Similar	The hair texture and color are similar.
CKPXLT	Similar	Similar hair tone and texture.
CUYZ8T	Similar	
D2QZYQ	Similar	similar color, different style
DA6QFC	Unable To Compare	

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Image Set Q8: Table 4.8(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Similar	Hair – Similar hair texture but inconsistent color and style. Known brunette strands are up in a messy bun with fly aways so length and color of subject's ends cannot be verified. Unknown dark hair appears almost black at roots, brunette in majority of hair shaft, and light brown highlights in subject's ends which extend past her shoulders. Known appears to have greaser hair with a unintentional part in line with subject medial left eyebrow. While Unknown's part is in line with the center of subject's right eyebrow. These dissimilarities could be due to hair dye, style choice, and products used.
EGYH2B	Similar	
ELRHHR	Similar	same texture
FBEYWM	Dissimilar	
FZRJT8	Similar	The hair color and texture is very similar
H2WQ96	Similar	Color and texture is similar. Part is different. Known part looks more natural than the unknown's part.
HFB7XM	Similar	
HRQ6L4	Similar	slight difference in color; similar length and style, but parted on different side.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is similar in dark color/texture. Length cannot be compared due to hairstyle in the Known.
KEBXX2	Dissimilar	Overall texture seems similar but different hairstyles and highlights
KHWG47	Inconclusive	
L7ZVC2	Similar	Hair similar color and texture. Hair growth patterns and hairline very similar between known and unk excepting for part on right side in unk and part more central left in known. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	color is similar, hairstyle is dissimilar – known is pulled back and the unknown is half up and half down, texture appears to be similar
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Similar	Both known and unknown have medium-dark hair. Known's hair is pulled back away from the face with what appears to possibly be a part in the hair on the right side. Unknown's hair is long, slightly darker in color, straight and parts from the right side of the head over to the left. The hairline is mostly covered in the unknown image. The hair growth pattern and texture appears consistent between both known and unknown images.
PGNVGZ	Inconclusive	

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Image Set Q8: Table 4.8(d) - Hair

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Hair appears similar in texture and darkness in color; part in hair and style appear dissimilar, may be due to intentional alterations; hairline not visible for comparison.
PRMQFV	Similar	Knowns hair is pulled back. Tone of the hair appears to be similar, dark brown or black on both subjects. The texture of the hair appears to be similar, straight on known and unknown. Fullness of the hair is similar. Unknown has a part on the right side, not found on the known.
PVM3BV	Similar	hair appears to be similar in color and texture between subjects - hairline and style appears to differ slightly
PWHKDW	Similar	similar color
PWYRHE	Similar	same color
PX9LGZ	Similar	Similar hair tone and texture.
PY46H2	Similar	Part has moved- styling reasonable explanation
Q49MUY	Inconclusive	
QTWDAF	Similar	The subjects appear to have a different hairstyles which cover the areas on the hairline in common. The hair color appears to be different but this could be due to lighting or grooming. The hair texture appears to be fine on both subjects. The temple peaks appear to have a similar contour.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Similar	Known has hair up in back, and unknown has hair down with part on right side. Both have similar texture of hair and tone appears to be somewhat similar though maybe difference is due to dyeing
TBLBPC	Similar	
U6E77R	Similar	similar color and texture
U778AU	Unable To Compare	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Different hair styles. Different hair parting. Different coloring (due to cosmetic enhancement). Unable to compare hairline - right hairline visible in Unknown, left hairline and some of the center hairline visible in the Known.
XQMJNP	Similar	Both subjects have dark brown hair. Known hair is pulled back in a ponytail. Unknown hair is down and just past shoulders in length.
XTNLEQ	Similar	Shape/spatial distribution - Texture - Symmetry -Density and distribution of density - Tonality and variation in color/tonality
XYERF8	[Not Reported]	Similarities include: Hair: texture, density, tonality, Hairline left side: shape (visible lower portion) Dissimilarities include: (may be due to differences in hair styling in Q & R) Hair: shape/spatial distribution, symmetry Not comparable: (due to obstructions in one or both images) Forehead hairline: shape, Hairline right side: shape, Cranial baldness pattern: shape, distribution - not observed
XYJ9D7	Dissimilar	

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Image Set Q8: Table 4.8(d) - Hair

WebCode	Observation	Feature Notes
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Hair — Total Participants: 61

Response	Percent Reported
Similar	44 (72.1%)
Dissimilar	7 (11.5%)
Inconclusive	6 (9.8%)
Unable to Compare	2 (3.3%)
Not Applicable	2 (3.3%)

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Image Set Q8: Table 4.8(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar forehead height; similar brow ridge prominence; similar flat forehead; both individuals have very faint, similar looking frontal lines in similar relative location
34T74N	Similar	
3LFL7K	Similar	The foreheads on each are consistent in shape, height and width.
3M7MAM	Similar	Relatively narrow forehead.
4T9DRJ	Similar	similar forehead.
6JZ4ZJ	Similar	Forehead shape , Relative height , Relative width , Slope/contour (visible in profile),Brow ridges ,Prominence, Continuity
7B6GQY	Similar	
7PHQBF	Similar	The brow ridge of the probe and candidate appears to be similar. The legnth and width of the forehead appears to be consistent between the two images
89T2WX	Similar	Short and broad forehead
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Width and length does appear consistent. Distance from brow to top of hair line appears consistent. Consistent markings located near the right brow and there is a bump/mark over the left brow.
9GLTHW	Similar	overall shape, width, and height are similar; relatively flat contour, with slight depression in the center, and smooth musculature are consistent; there is a raised, skin-toned facial mark above the medial end of the left brow that is similar in shape and size; known has a small depressed scar-like mark above the right brow that is not visible on the unknown, but this could be due to over exposure concealing the mark
9KFMFY	Similar	similar brow ridge prominence
9U4MPG	Similar	
AKVB9D	Similar	both have wide, flat, not very tall forehead
B2Z6FC	Similar	Similar relative height and width. Both free of facial lines and facial marks
BZH38T	Similar	The shape of the forehead is similar.
CKPXLT	Similar	Similar forehead general shape and width.
CUYZ8T	Similar	
D2QZYQ	Similar	multiple marks visible in both images which appear similar in location, shape, and curvature
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Similar	Forehead – Consistent size and shape seen in both foreheads which appear fairly flat, small, but wide. Same illumination area can be seen on 3-head: just below hairline in line with medial eyebrows and directly above eyebrow arches. Known has a facial mark, depression, scar, and/or indentation parallel to subjects right pupil not seen in Unknown.

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Image Set Q8: Table 4.8(e) - Forehead

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same geometric analysis
FBEYWM	Similar	
FZRJT8	Similar	The forehead is of similar size and shape.
H2WQ96	Similar	Height and width are similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar width, height, and prominence
HUCPQ8	Similar	
HYQFYM	[Not Reported]	Appear similar in height/hairline and browline.
JL2M67	Similar	
K3KWNM	Similar	Forehead is similar in length/width/shape.
KEBXX2	Unable To Compare	Seems similar overall but hairstyles obscure large sections of the hairline/upper forehead
KHWG47	Similar	
L7ZVC2	Similar	Forehead marks and shapes are consistent across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	some of forehead in the unknown is covered by hair, height of forehead is similar, width of forehead is similar, mark on forehead above the right eyebrow is similar – easier to see in the known due to lighting, brow ridge is similar
LQZ4DH	Similar	Forehead shape
P6CLXG	Similar	
PD3BCW	Similar	The forehead of both known and unknown images have consistent shape, shadowing, structure, width and length. The forehead of both individuals is free from fine lines, wrinkles, marks and/or creases.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Forehead appears similar in overall width and slope; appears longer in U, may be due to hairstyle; brow ridges appear similar in prominence.
PRMQFV	Similar	Forehead partially covered on both subjects. Similar level of protrusion. Luminance of the forehead is similar. The length of the forehead is similar.
PVM3BV	Similar	general shape and size of the forehead region appears to be similar between subjects - no frontal lines seen on either subject
PWHKDW	Similar	similar shape
PWYRHE	Similar	medium
PX9LGZ	Similar	The shape of the forehead and brow ridges are similar.

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Image Set Q8: Table 4.8(e) - Forehead

WebCode	Observation	Feature Notes
PY46H2	Similar	
Q49MUY	Unable To Compare	
QTWDAF	Similar	The forehead appears to have a similar height and width on both subjects. The brow ridge appears to be slightly more prominent than the rest of the forehead on both subjects.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Similar	Forehead contouring in middle half and around brow ridges is similar. Both known and unknown have similar forehead rectangular shape
TBLBPC	Similar	
U6E77R	Similar	shape is similar in height and weight. Both do not have prominent brow ridges.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Different hair styles. Different hair parting. Different coloring (due to cosmetic enhancement). Unable to compare hairline - right hairline visible in Unknown, left hairline and some of the center hairline visible in the Known.
XQMJNP	Similar	Both subjects have a short forehead. A facial mark/ dimple is noted on the forehead between the eyebrows on both subjects.
XTNLEQ	Similar	Forehead shape - Relative height - Relative width - Slope/contour (visible in profile) Brow ridges - Prominence - Continuity
XYERF8	[Not Reported]	Similarities include: Forehead shape: relative height (limited), relative width (limited), slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Forehead

Total Participants: 59

Response	Percent Reported
Similar	57 (96.6%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	2 (3.4%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall shape; similar hair growth density; similar hair color; similar apparent, round scar present to the right of the medial end of the right eyebrow; similar medial distance between the eyebrows
34T74N	Similar	
3LFL7K	Similar	The eyebrows of both subjects appear to be the same shape, spacing and length.
3M7MAM	Similar	Similar eyebrow shapes.
4T9DRJ	Similar	similar shape and position of eyebrows
6JZ4ZJ	Similar	Overall shape, size, position
7B6GQY	Similar	
7PHQBF	Similar	The shape and growth pattern of the eyebrows appears to be similar between the probe and candidate. The thickness of the eyebrows appears to be similar as well.
89T2WX	Similar	Thin and flat eyebrows, with the outer ends drooping
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in color and shape. Above the right brow is a consistent bump/mark. Relative distance from upper lids to the brow is consistent.
9GLTHW	Similar	overall shape, length, and thinness are similar; approx. distance between the medial ends, distance above the eyes, and end location of the lateral ends with respect to the eyes are similar; color is dissimilar, but this could be attributed to makeup application differences, as known's match hair color, but unknown's are black; there is a depressed scar-like mark between the medial ends that is similar in location, shape, and size
9KFMFY	Similar	similar shape/curve/size of eyebrows
9U4MPG	Similar	Trimmed/plucked
AKVB9D	Similar	similar thin eyebrows, originating inside medial canthus, slight arch or lateral canthus sloping out/down
B2Z6FC	Similar	Similar shape. Distance is similiar between the medial end position of the eyebrow and the medial canthus for both eyes.
BZH38T	Similar	The shape of the eyebrow is similar.
CKPXLT	Similar	Similar eyebrows shape, size, tone, asymmetry and end points.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and curvature, some possible makeup involved in known image
DA6QFC	Similar	

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Image Set Q8: Table 4.8(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	Similar	Eyebrows – Both subjects appear to be wearing makeup resulting in long, thin, seamless eyebrows in a black color. Individuals have asymmetrical brows with the left being longer and having a sharper arch than left. Lateral region of unknown's left brow is faded and or makeup may have been smudged. Subject's have a bump and/or pimple directly above left eyebrow in line with individual's left medial cantus. Distinct facial mark, depression, scar, and/or indentation is visible on subjects brow ridge just prior to medial right eyebrow that is need and circular in shape.
EGYH2B	Similar	
ELRHHR	Similar	same geometric measurement, length, position, density, texture, and color
FBEYWM	Similar	
FZRJT8	Similar	The eyebrows are of similar size and shape
H2WQ96	Similar	Shape, size, and fullness are similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar length, tilt, density, and positioning; slightly different color corresponding with hair color of both images.
HUCPQ8	Similar	
HYQFYM	[Not Reported]	Similarly dark in color, thin in texture.
JL2M67	Similar	
K3KWNM	Similar	Eyebrows are similar in size/shape/location/contour/thickness/dark color. Known appears brown and Unknown appears black. This could be due to lighting/make-up. There is a scar/facial marking similar in size/shape/location
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Eyebrows have similar angles, coloring, shapes and placement/ hair growth across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	color is similar, distance apart is similar, mark between the eyebrows is similar, bump above the left eyebrow is similar, distance to eyes is similar
LQZ4DH	Similar	Right and left eyebrow
P6CLXG	Similar	
PD3BCW	Similar	The eyebrows of known and unknown are soft-angled, slender, neatly shaped, and perfectly groomed. Known and unknown's eyebrows perfectly mirror the shape and soft flow of the epicanthic folds of the left and right eyes. There is a small round mark/indentation adjacent to the medial side of the right eyebrow that is consistent in size, shape, location in both known and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyebrows appear similar in width apart/shape/angle/color; similar scar in both in location and size in between eyebrows.

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Image Set Q8: Table 4.8(f) - Eyebrows

WebCode	Observation	Feature Notes
PRMQFV	Similar	Thickness of the eyebrows are similar, thin on both subjects. Distance from the eyes to the eyebrows is similar. The tails of the eyebrows end in similar locations. Tone of the knowns brows are more brownish.
PVM3BV	Similar	the brows appear to be similar in shape, size and contour along the brow ridge - scar like mark can be seen between the brows on both subjects which is similar in shape and size on both
PWHKDW	Similar	length/shape similar
PWYRHE	Similar	thin and black
PX9LGZ	Similar	The shape and texture of the eyebrows are similar.
PY46H2	Dissimilar	Unknown slightly thinner- grooming?
Q49MUY	Similar	
QTWDAF	Similar	The eyebrows appear to have a similar contour, distance between them, fullness, distance from the eye, and asymmetry of placement. The eyebrows appear to have a different color but this is likely due to grooming or lighting.
QYFHZU	Similar	The eyebrows are the same shape and size.
R273NE	Similar	Both have similar position above eyes of brows. Known and unknown have similar curvature in both brows, similar starting position at medial ends, and similar ending position at lateral ends
TBLBPC	Similar	
U6E77R	Similar	both are very similar in shape and thinness. the vertical ends extend past the medial canthus.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Eyebrow width, shape, angle, and placement in relation to the eye are similar. Hair density and length are similar. The horizontal end position of the left medial eyebrow is closer to the midline than the right. Possibility of cosmetic enhancement
XQMJNP	Similar	Both subjects have dark thin eyebrows that have an angle near the outer end.
XTNLEQ	Similar	Overall shape, size, position,
XYERF8	[Not Reported]	Similarities include: Shape, Size, Position, Density of hair, Asymmetry (medial end of L eyebrow sits closer to subject's midline and lateral end of L eyebrow sits slightly lower than R) Not comparable: (due to image quality in one or both images) Conjoined - not observed, Hair details
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q8 Eyebrows		Total Participants: 61
Response	Percent Reported	
Similar	60 (98.4%)	
Dissimilar	1 (1.6%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q8: Table 4.8(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar dark brown color; similar overall eye shape; similar shaped and prominent superior palpebral creases; similar hooding of the upper eyelids; similar shaped and prominent medial and lateral canthi; similar inferior palpebral creases in shape and prominence; similar facial mark present on the right lower eye lid
34T74N	Similar	
3LFL7K	Similar	The eyes of both the known and unknown subject appear very similar to include the distances between medial canthus and pupils, fissure openings, eyelids, shape of the medial and lateral canthus, and epicanthic folds. The eyes are very symmetrical.
3M7MAM	Similar	Similar eye shapes and lower eyelid prominence.
4T9DRJ	Similar	similar shape of eyes, only different from age.
6JZ4ZJ	Similar	Intercanthal distance Distance between inner corners of the right and left eyes Interpupillary distance Distance between the center of the right and left pupils Right eye fissure opening Left eye fissure opening Shape ,Angle Right upper eyelid Left upper eyelid, Prominence ,Protrusion Position in relation to iris Right lower eyelid Left lower eyelid, Prominence Protrusion, Visibility of the crease below the lower eyelid ,Visibility of infraorbital furrow
7B6GQY	Similar	
7PHQBF	Similar	The shape of the medial and lateral canthus appears to be similar between the probe and candidate. The overall shape of the eyes is also similar between the two images. The epicanthic fold is present on both the probe and candidate.
89T2WX	Similar	The shape is similar, with similar Mongolian folds
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in almond shape. The shape of the canthus and the placement in relation to the bridge of the nose is also consistent. The canthus all point downwards and are the same distance from the bridge of the nose. The creases/palpebral creases appear similar in location and width and puffiness. There are a few small creases/wrinkle's and coloration/shadowing under the eyes that are consistent as well.
9GLTHW	Similar	approx. intercanthal distance and complete hoodedness is similar; almond shape, small size, slanted alignment, pupil to sclera ratio, and dark iris color are consistent; there is a small darker pigmented facial mark on the waterline of the right eye that is consistent in size and shape; pointed shape of the canthi is similar; subtle curvature, depth, length, and location of the interior palpebral creases are consistent; thickness beneath the eyes is similar
9KFMFY	Similar	similar shape/curve to left/right inferior palpebral crease, appears slightly more prominent for Unknown(2) which can be from age difference; similar size/shape/angle of left/right medial canthi; similar angle of left/right lateral canthi relative to medial canthi; approx. distance from left/right medial canthi to left/right medial ends of eyebrows similar; similar overall eye shape
9U4MPG	Similar	

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Image Set Q8: Table 4.8(g) - Eyes

WebCode	Observation	Feature Notes
AKVB9D	Similar	wide deep-set eyes, few/no eyelashes, hooded upper eyelids (epicanthic fold?), prominent lower eyelids
B2Z6FC	Similar	Both have medial canthus that are angled down. Both have similar thick lower eyelids. Overall eye fissure is similar in shape and size
BZH38T	Similar	The shape of the eyes is similar.
CKPXLT	Similar	Similar eye and fissure shape, size and angle, iris tone and diameter relative to eye opening, pupil position, sclera, inferior palpebral crease, epicanthic fold and, medial and lateral canthus shape, size and angle.
CUYZ8T	Similar	
D2QZYQ	Similar	similar eye opening shape and cuvature, similar creases under eye
DA6QFC	Similar	
EGJRJR	Similar	Eyes – Overall eye shape and size are similar with consistent iris to sclera ratio in subjects. The distance between eyebrow to superior palpebral crease is the same in these dark eyed individual. Unknown has a larger lower eyelid than Known however the angle of inferior palpebral crease are similar in shape and angle. Both subjects have a freckle, mole, and/or facial mark on right lower eyelid in the same in location, in line with iris, and is the same size. Subjects have sharp medial canthus angle compared to their lateral cantus. Epicanthic folds of subjects are distinctly beak shaped that extends past lower eye lids curving into inferior palpebral crease.
EGYH2B	Similar	
ELRHHR	Similar	same eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Similar	
FZRJT8	Similar	The eyes are of similar size and shape and color.
H2WQ96	Similar	Intercanthal distance, interpupillary distance, shape and angle of eye fissures, hidden upper eyelids, epicanthic folds, sparse eyelashes, under eye protrusion all appear similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar color, shape, angle, size, and positioning.
HUCPQ8	Similar	
HYQFYM	Similar	Narrow fissure, narrow upper eyelid, distinct inferior palpebral crease similar.
JL2M67	Similar	
K3KWNM	Similar	Eyes are similar in location/size/shape. Intercanthal distance is similar. Pupil is similar in dark brown color. Eye fissure is similar in shape. Epicanthic fold is similar in shape/size. Superior palpebral crease is similar in location/size/shape. Inferior palpebral crease is similar in location/size/shape. Medial canthus is similar in size/shape/location. Lateral canthus is similar in size/shape/location. Infraorbital crease is similar in location/shape/length/depth. Periorbital crease is similar in size/shape/location.
KEBXX2	Similar	

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Image Set Q8: Table 4.8(g) - Eyes

WebCode	Observation	Feature Notes
KHWG47	Similar	
L7ZVC2	Similar	Eyes are symmetrical and centered in similar fashion between known and unk. Similar epithelial folding and inner corners of eyes. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape is similar, medial canthus shape/size is similar, inferior palpebral creases are similar, both have dark eyes, sclera is similar, mark on the lower eyelid on the right side is similar
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown each has a skin fold extending from the inner corner of the eye, each appears to have a single eyelid, the supratarsal crease is not as defined or present, and the epicanthic fold extends from the inner corner of the eye into the nasojugal groove. The eyes of known and unknown equally have a narrower, more slanted appearance. The medial canthus appears to be as thin as a line of hair and or thread.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes appear similar in size, shape, epicanthic folds present in both, extends canthus in both; periorbital eyelid appears similar in size/shape; inferior palpebral creases appear similar in shape/angle/depth; lateral canthi appear similar in shape and angle; intercanthal and interpupillary distance appear similar; iris size and color appear similar; similar amount of sclera shown.
PRMQFV	Similar	Both known and unknown have almond shaped eyes. Fissure of the eyes are similar. Left and right medial canthus has a similar shape, goes downward on both subjects. The Folds of the upper eyelids are similar. Little to no lashes on the bottom. Eyes have minimum protrusion on both subjects.
PVM3BV	Similar	eyes appear to be similar in shape and size, epicanthic fold is prominent on both subjects, inferior palpebral creases are similar in shape and prominence on both subjects - upper eye lids appear to follow a similar contour between both subjects
PWHKDW	Similar	shape is similar as well as color
PWYRHE	Similar	same color
PX9LGZ	Similar	The shape of the eyes and eyelids are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The eyes appear to have a similar angled appearance with the medial canthi being lower than the lateral canthi. The amount of sclera appears consistent. The bags under the eyes have a similar size and shape.
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure and medial canthus is similar. The upper and lower eyelids are similar with the inferior palpebral crease in common.
R273NE	Similar	Known and unknown have similar positions at which eyes sit on face, similar eye shapes and sizes. Similar medial canthus shapes and downturns, similar position and curvature of under eye lines.

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Image Set Q8: Table 4.8(g) - Eyes

WebCode	Observation	Feature Notes
TBLBPC	Similar	
U6E77R	Similar	intercanthal distance is similar in both subjects. Left and right upper eyelids are equally hooded. Right eye lateral canthus both have similar angle and shape. Same with left eye lateral canthus. Caruncles (left and right eye)are similar in prominence for both subjects.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar wide-set eyes. Similar intercanthal distance. Similar eye fissure shape. Similar epicanthic folds. Similar shape and fullness of the lower eyelid. Similar inferior palpebral crease shape and distance from eye. Infraorbital furrow is more visible in the Known than the Unknown. Similar reduced eyeball prominence and similar limited visibility of sclera. Similar downward hooked angle of medial canthi. Eyes appear mostly symmetrical.
XQMJNP	Similar	Eye shape and lines under the eyes are similar on both subjects.
XTNLEQ	Similar	Overall shape and position
XYERF8	[Not Reported]	Similarities include: Intercanthal distance, Eye fissure opening: shape, angle, Upper eyelid: prominence, protrusion, position in relation to iris/pupil, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, position in relation to iris/pupil, Eyeball prominence, Sclera: visibility, Iris: visibility, diameter relative to eye opening, position relative to eye opening, Medial canthus: shape, angle, Lateral canthus: shape, angle, Asymmetry Dissimilarities include: (may be due to differences in image quality and lighting in Q & R) Upper eyelid: visibility of superior palpebral crease, Lower eyelid: visibility of the infraorbital furrow Not comparable: (due to image quality and lighting in one or both images) Interpupillary distance, Upper/lower eyelid: lash characteristics, Iris: irregularity of iris (not observed), Medial canthus: caruncle
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Eyes

Total Participants: 62

Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar fullness to the cheeks despite difference in expression; similar definition location of upper cheeks to lower cheeks; similar various facial marks in size, shape and relative location on the upper right cheek and left cheek
34T74N	Similar	
3LFL7K	Similar	The cheeks on both subjects are full and prominent.
3M7MAM	Similar	Noticeably protruding cheeks.
4T9DRJ	Similar	similar cheeks just more pronounced with age.
6JZ4ZJ	Similar	Prominence of cheek bones
7B6GQY	Similar	
7PHQBF	Similar	The shape and fullness of the cheeks appears to be similar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in width and puffiness of the apple area. There is a consistent mark/scar on the middle of left cheek and another similar marking on the lower right cheek on the outside of the nasal crease. Due to expression change, the dimple is not visible in the same way that it is on the unknown image. The nasal lines that extend from the bridge of the nose and runs along the cheeks are also consistent in length and placement. The marionette lines that extend down the chin region appear consistent in location.
9GLTHW	Similar	shape and small size of the cheeks are similar; unknown's appear to be fuller, but this could be due to a slight weight difference; cheekbone shape, size, and prominence are similar; there are three small brown facial marks on the right cheek that are consistent in their triangular alignment
9KFMFY	Similar	similar shape/size/fullness of cheeks
9U4MPG	Similar	
AKVB9D	Similar	full rounded cheeks with prominent low cheekbones
B2Z6FC	Similar	Similar cheek prominence. Both have nasolabial folds that curve around the bottom of the cheek
BZH38T	Similar	The cheek shape around the cheekbone area is similar.
CKPXLT	Similar	Similar cheek bone minimal prominence and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and curvature, multiple similar marks between both images in location, shape,and relationship
DA6QFC	Similar	

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Image Set Q8: Table 4.8(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	Similar	Cheeks – Known has fuller cheeks than Unknown possibly due to expression of subject. Subjects have several freckles, moles, and/or marks that are clustered on high right cheekbone in line lateral right eyebrow. These freckle, mole, and/or mark cluster show consistent size, shape, color variant, location, and same distance between each other and would form a triangle if connected with a very small base. Nasolabial fold angles are consistent but are prominent in Probe due to expression difference. Both individuals have a small freckle, mole, and/or mark consistent in shape and size at the base in the center of right cheek in line with iris. Known has facial mark, depression, scar, and/or indentation parallel in the middle of left cheek not visible in Unknown.
EGYH2B	Similar	
ELRHHR	Similar	same in shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The cheeks are of similar size and shape
H2WQ96	Similar	Cheekbones are pronounced in both and cheeks are similar in shape and fullness.
HFB7XM	Similar	
HRQ6L4	Similar	similar contour, prominence, and shape.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in texture and fullness.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in size/shape/location/prominence. Many facial markings are similar in size/shape/location/color.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Cheeks in both known and unk have higher strong cheekbones with similar marks and scarring in both known and unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	cheeks appear slightly fuller in the unknown due to expression, marks on the cheeks are similar in location/size/shape, length of cheeks are similar
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have soft, curved cheeks that are nearly equal width and length. They each have a broad cheekbone area, a rounded jawline, and smooth textured appearance to the skin. Each known and unknown image has a youthful and balanced appearance. There are two very small, faint round marks on the upper portion of the right cheek and under the right lateral canthus on both known and unknown images that are consistent.
PGNVGZ	Similar	

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Image Set Q8: Table 4.8(h) - Cheeks

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Zygomatic bones appear similar in shape; appear fuller in U, more defined in K, may be due to weight; similar shape of soft tissue; similar presence of dimples in cheeks of both.
PRMQFV	Similar	Fullness of the cheeks are similar. Prominence of the cheeks are similar.
PVM3BV	Similar	cheeks appear to be similar in fullness - freckle like marks can been seen on the right side of the face under the lateral canthus of the eye on the cheek on both subjects - facial marks can be seen in similar spots on both subjects left cheeks as well
PWHKDW	Similar	cheek bone structure is similar
PWYRHE	Similar	prominent
PX9LGZ	Similar	Both have high cheekbones and chubby cheeks.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The cheeks appear to be full on both subjects however slightly larger on the unknown which is likely due to the expression change.
QYFHZU	Similar	
R273NE	Similar	similar shapes and sizes. Both have similar contouring in middle at similar positions in both cheeks.
TBLBPC	Similar	
U6E77R	Similar	similar texture and round shape
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar shape and fullness of the cheeks.
XQMJNP	Similar	Both subjects have round full cheeks. Two small dark facial marks are located on the right cheek on both subjects.
XTNLEQ	Similar	cheek bones prominence
XYERF8	[Not Reported]	Similarities include: Cheekbone prominence, Cheek shape Not comparable: Dimples (not observed)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q8 Cheeks		Total Participants: 62
Response	Percent Reported	
Similar	62 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q8: Table 4.8(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar nasal root width and lack of prominence; similar scar or facial mark on the nasal root; similar nasal bridge width; similar nasal tip width and shape; similar nasal alae shape and attachment; similar columella width; similar nostril size and shape; similar small facial marks present in similar location on left side of the nasal bridge; similar nasolabial folds in shape and prominence
34T74N	Similar	
3LFL7K	Similar	Both subjects' noses are similar, including the columella, nostrils, tip, nasal body and nasal root.
3M7MAM	Similar	Identical nose shapes.
4T9DRJ	Similar	tighter nose on know but similar on unknown although older.
6JZ4ZJ	Similar	Overall shape , Length width , Prominence , Symmetry most of the nose components
7B6GQY	Similar	
7PHQBF	Similar	The probe and candidate have a short nasal body, the width of the nasal base appears to be similar between the probe and candidate. The shape of the nostrils appears to be similar as well. The shape of the alas appears to be similar between the two images. The width of the columella appears to be similar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The bridge of the nose is similar in length and width. The nostril creases are prominent and make the tip of the nose appear box like. On the upper portion of the bridge of the nose, there are 2 consistent marks/scars that are in the same location on the known and unknown images. The relative distance from bridge of the nose to left ear is consistent.
9GLTHW	Similar	overall cone-like shape, size, and lack of protrusion are similar; width and shallowness of nasal bridge, width, straight shape, and short length of the nasal body, width of the nasal base, bulbous shape and thickness of the nasal tip, and shape of the columella are all consistent; the depression-like marks on the nasal root are similar in quantity, shape, and size; rounded shape, thickness, and attachment location with respect to the columella are consistent; small size and asymmetric shape of the nostrils are similar; different shapes and lengths of the nasolabial folds are similar, as the left one extends beyond and curves toward the mouth, whereas the right one is shorts and curves away from the mouth
9KFMFY	Similar	similar width of nasal base; similar shape/size of overall nasal outline; similar shape of nasal tip; similar shape/thickness of left/right alae; similar shape/curve of left/right nostrils
9U4MPG	Similar	
AKVB9D	Similar	similar rounded nasal tips with flat spot, wide columella, concave nasal bridge
B2Z6FC	Similar	Nasal body is similar in thickness. Both have a well defined nasal tip with similar shaped alas
BZH38T	Similar	The shape and the length of the nose are similar.

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Image Set Q8: Table 4.8(i) - Nose

WebCode	Observation	Feature Notes
CKPXLT	Similar	Similar nose bridge, base, columella, alae and nostrils shape, size and asymmetry.
CUYZ8T	Similar	
D2QZYQ	Similar	similar nose bridge, nostril curvature, marks throughout
DA6QFC	Similar	
EGJRJR	Similar	Nose – Overall similar length and width of nasal body in subjects in scale of surrounding features. Shallow nasal root has a facial mark, depression, scar, and/or indentation at midline. Individuals button nose has columella that protrudes past subject's nasal base. Individuals right supra alar crease is more pronounced than left with a thicker left ala. Individuals have a freckle, mole, and/or mark located between left ala and nasolabial fold with the same size and hue distance between left ala and nasolabial fold
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width, geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The nose is of similar size and shape
H2WQ96	Similar	Length, width, and overall shape is similar. Nasal base, alae, nostrils, and columella appear similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar width and shape of nasal root and body, similar length, similar contour and prominence of nasal tip and alae; similar shape and width of columella; similar shape and contour of nostrils; similar width of nasal base.
HUCPQ8	Similar	
HYQFYM	Similar	Wider nasal root, body, tip and base. Wide alas. Narrow columella.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in similar location on the face. Nasion crease is similar in shape/length/depth. Nasal bridge is similar in width/length. There is a scar/facial marking similar in size/shape/location near the bridge. Nasal body is similar in length/width/shape/contour/thickness. Nasal tip is similar in size/shape. There is a scar/facial marking similar in size/shape/location near the tip. Ala are similar in size/shape/thickness. Nostrils are similar in shape/size. Columella is similar in width/shape. Nasolabial folds are similar in size/shape/length/depth.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nose body, nasal root width and nasal bulb exhibit similarities between known and unk. Sim
L8289G	[No observations reported for this feature.]	

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Image Set Q8: Table 4.8(i) - Nose

WebCode	Observation	Feature Notes
LADNAL	Similar	length of nose is similar, nasal base is similar, ala is similar, columnella is similar, nostril shape/size is similar, nasal root is similar, mark near the nasal root is similar, dark mark on the left side of bridge of nose is similar, nasolabial folds are similar
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have a nose that is delicate and compact in size. The nose is flat with a low level bridge, rounded with a soft, curved tip. The nasal tip angle has a slight upturn, giving it a delicate, refined appearance. The bridge height, and alar base width are equal in shape and size in both known and unknown images. Both known and unknown have delineated, left and right alar creases with consistent triangular in shape ala and alar base. There is a small round mark/indentation at the center of the nasal root that is consistent in both known and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Overall size of nose appears similar; nasal root appears similar in width, a bit shallower in U, may be due to lighting; nasal body appears similar in length; nasal tip appears similar in shape, a bit more bulbous on K, may be due to lighting/pose; nasal base, alae, columella, nostrils all appear similar in shape/size/thickness/width; distance appears slightly longer from nasal base to upper lip in U.
PRMQFV	Similar	Length and width of the nasal body is similar. Tip of the nose is bulbous on known and unknown. Curvature of the nostrils is similar. Left and right ala are found in similar locations. Thickness of the columella is similar.
PVM3BV	Similar	general shape of the nose appears to be similar - nasal tip appears to be rounded on both - columella and ala of the appear to be similar in shape and contour - nasolabial folds appear to be similar in angle and contour from the nose to the mouth - scar like mark can be seen on the nasal body of both subjects in similar location - facial mark can be seen on the left side of the nose near the base of the ala of the nose on both subjects
PWHKDW	Similar	shape/size similar
PWYRHE	Similar	Mesorrhine nose
PX9LGZ	Similar	The nasal bridge, body, length, size and base are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be depressed on both subjects. The nasal body begins very recessed, gets more prominent going inferiorly, and then bulbous at the tip. The nostrils are asymmetrical with the right nostril being smaller. The columella appears to have a similar angle and thickness.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	similar indention and width at nasal root, similar width down through body, both have poc scar near nasal root in similar position. Known and unknown have similar ala and nostril shapes, similar columella shape also.

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Image Set Q8: Table 4.8(i) - Nose

WebCode	Observation	Feature Notes
TBLBPC	Similar	
U6E77R	Similar	Nasal root is similar width and depth. Nasal body is similar in width and length. Similar shape for nasal tip. Columella is similar in shape and width.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar overall nose shape and size. Similar shallow nasal root. Similar wide nasal body. Similar rounded nasal tip. Similar wide nasal base with thicker rounded alae and nostril shapes. Similar shape and thickness of columella.
XQMJNP	Similar	Both subjects have a small short nose with defined nostrils.
XTNLEQ	Similar	Overall shape - Length width - Prominence - Symmetry most of the nose components
XYERF8	[Not Reported]	Similarities include: Nasal outline: shape, width, prominence, Nasal root: width, shape, angle, Nasal body: width, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Columella: width, length, relative position, Asymmetry - L nasal ala sits wider and is larger than R Dissimilarities include: (may be due to differences in pose and lighting in Q & R) Nasal outline: length, Nasal root: depth, Nasal body: length, Nostrils: shape, size Not comparable: Nostrils: hair - not observed
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Nose	Total Participants: 62
Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	not fully visible for comparison, only left ear is partially visible; similar left ear protrusion from head; similar left lobe and helix shape; similar left ear size; similar left ear lobe attachment shape
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	The ears of the unknown subject are not fully visible for detailed comparison. However, the portion of the helix and lobe of the left ear that are visible on the unknown subject are consistent with that of the known subject.
3M7MAM	Unable To Compare	Ears hidden by hair, with matching visible outlines.
4T9DRJ	Unable To Compare	left ear similar shape what little there is.
6JZ4ZJ	Unable To Compare	Covered with hair
7B6GQY	Similar	
7PHQBF	Unable To Compare	Difficult to compare due to the hair covering the ears on both the probe and candidate.
89T2WX	Similar	Partially obscured, but the outer contour is similar
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	The left ear is in common and appears consistent in placement and length. The thinness of the helix is also consistent. The appearance of the attached lobe appears consistent.
9GLTHW	Similar	right ear is completely covered by hair and therefore is unable to be compared; left ear is mostly covered by hair, however the portion that is visible for both indicates that the irregular shape, small size, degree of protrusion, and lobe attachment are all similar
9KFMFY	[Not Reported]	due to hair/angle of head, much of ears unable to be compared; right ear not visible for Unknown(2); much of left ear of Unknown(2) hidden by hair; what is visible of outline of lower left ear appears to have similar shape; what is visible of left lobe appears to have similar shape/thickness
9U4MPG	Inconclusive	
AKVB9D	Unable To Compare	not enough visible in either image to conduct a comparison
B2Z6FC	Similar	Only right lobe is visible on both. They are similar is shape
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Similar	Similar left ear overall shape and angle.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	one ear not visible for comparison, other appears similar in general shape and curvature, obscured by hair
DA6QFC	Not Applicable	
EGJRJR	Similar	Ears – Knowns ears are covered by individual hair thus preventing analysis for comparison. Likewise Unknows hair is also obscuring view of subjects ears hindering comparison beyond what appears to be a similarly protruding right ear with attached lobe.

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Image Set Q8: Table 4.8(j) - Ears

WebCode	Observation	Feature Notes
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible enough
FBEYWM	Unable To Compare	
FZRJT8	Similar	The right ear of both are obscured by hair, and the left ear of both is partially obscured by hair but they are similar
H2WQ96	Unable To Compare	Ears are mostly covered by hair. What is showing appears similar, though.
HFB7XM	Unable To Compare	
HRQ6L4	Similar	left ear slightly visible in both images; both similar overall contour and prominence.
HUCPQ8	Similar	
HYQFYM	Similar	Mostly obscured, overall shape appears similar.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	Left ears appears in similar location. Unable to compare ears due to hairstyle
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Similar	Only right ear pinna is visible due to hairstyle in both known and unk. Angle and shape is consistent for both unk and known.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	only some of the left ear is visible due to hair, size appears to be similar, from what's visible the shape is similar
LQZ4DH	Similar	Left ear: overall shape and protrusion
P6CLXG	Similar	
PD3BCW	Similar	The left ear is visible and right ear is covered with long, dark hair that is pulled to the back of the head in both known and unknown images. The left ear of the known and unknown image is equal in placement, height, contour and protrusion from the side of the head. The ear lobes are consistent in shape, thickness and appear to have a soft, even curve upward.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Only left ear visible for comparison; overall shape of helix appears similar and placement on head; protrusion appears similar too.
PRMQFV	Similar	Right ear not visible on either known or unknown. The left ear is partially covered on both subjects, general shape of the helix is similar. Overall size of the ear appears to be similar.
PVM3BV	Unable To Compare	ears are not visible for comparison
PWHKDW	Unable To Compare	right ear not in image/left ear cannot compare due to hair covering
PWYRHE	Similar	Compatible helix, antihelix, and lobe

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Image Set Q8: Table 4.8(j) - Ears

WebCode	Observation	Feature Notes
PX9LGZ	Unable To Compare	
PY46H2	Inconclusive	Limited visibility due to hair
Q49MUY	Unable To Compare	
QTWDAF	Similar	The general outline of the left ear appears to be similar with a notch by the top of the helix and a wide lower section. The rest of the ear and the entire right ear is obstructed and cannot be compared.
QYFHZU	Inconclusive	Only a small part of the left ear is visible in both images. The partions that are visible are similar. The right ear in both images are not visible.
R273NE	Similar	Both have similar size and shape of left ears. Unable to see right ear much in either known or unknown. Similar protrusion from head of left ear.
TBLBPC	Similar	
U6E77R	Similar	right ears not visible, left ears have similar lobe and outter edge shape.
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Part of left ear is visible for comparison, right ear is not. Similar length and protrusion from head. Helix is similar in shape. Lobe is similar in shape, probably attached earlobe.
XQMJNP	Similar	Left ear is partially visible on both subjects. The outline of the ear appears to be similar on both subjects.
XTNLEQ	Unable To Compare	Hair covering ears
XYERF8	[Not Reported]	Similarities include: Overall ear: size, shape, angle (visible portions of L ear), Helix: size, shape (visible portions of L ear), Lobe: size, shape (visible portions of L ear) Not comparable: (due to obstruction and pose in one or both images) All observations for R ear, Asymmetry, Ear protrusion, Overall ear: size, shape angle, Helix: size, shape, Tubercles: size, shape, quantity, Antihelix: size, shape, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: size, shape, attachment, Abnormalities
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Similar	Left ear

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Features Observations Response Summary - Q8 Ears		Total Participants: 61
Response	Percent Reported	
Similar	29 (47.5%)	
Dissimilar	1 (1.6%)	
Inconclusive	4 (6.6%)	
Unable to Compare	25 (41.0%)	
Not Applicable	2 (3.3%)	

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Image Set Q8: Table 4.8(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall size; similar upper lip shape and symmetry; similar philtrum prominence and shape; similar lower lip fullness and protrusion; similar lip fissure shape
34T74N	Similar	
3LFL7K	Similar	The mouths of both known and unknown subjects are consistent to include the lip fullness, cupid's bow, lip fissure, and corners.
3M7MAM	Similar	The mouth shapes are basically identical.
4T9DRJ	Similar	similar outline of mouth.
6JZ4ZJ	Similar	Overall mouth ,Shape , Symmetry
7B6GQY	Similar	
7PHQBF	Similar	The shape of the upper lips along with the lower lips appears to be similar between the probe and candidate. The width of the philtrum appears to be consistent between the probe and candidate. The upper vermillion border appears to be follow a similar path. The mouth fissure appears to be similar as well.
89T2WX	Similar	The shape and proportions are similar, but the upper lip peak is different due to expression
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar upturn at the edges of the mouth. The thickness of the upper and lower lips is consistent. The distance from tip of the nose to the upper lip appear similar. The outer edge of the lips appears consistent in lined/coloration.
9GLTHW	Similar	overall shape and size are similar; “m” shape of upper vermillion border, rounded shape of the lower vermillion border, and curvature of the fissure are consistent; color and fullness of the lips are consistent; shape, width, and shallowness of philtrum are similar
9KFMFY	Similar	similar shape/curve to upper vermilion border; similar shape/fullness of upper/lower lips; similar shape of cupid’s bow; similar angle to corners of mouth
9U4MPG	Similar	
AKVB9D	Similar	slight difference in expression but similar upper and lower lips, same general mouth fissure.
B2Z6FC	Similar	Both have a well defined cupids bow and philtrum.
BZH38T	Similar	The shape and thickness of the mouth are similar.
CKPXLT	Similar	Similar overall mouth, fissure and mouth corners shape and size, Cupid’s bow shape and lip tone.
CUYZ8T	Similar	
D2QZYQ	Similar	a little bit of angle different, but similar cupids bow, shape, and thickness
DA6QFC	Similar	

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Image Set Q8: Table 4.8(k) - Mouth

WebCode	Observation	Feature Notes
EGJRJR	Similar	Mouth – Faint philtrum appears to be narrow and shallow leading into Known's rounded upper vermillion boarder, while Unknown's is not visible at all. Subject's have a small mouth, full lips with the upper and bottom being the same thickness . Unknown lips are texture with a fissure that is slightly up turned possibly favoring subject's expression compared to Knowns straight fissure. Unknown has striae on lower lip from fissure towards lower vermillion boarder.
EGYH2B	Similar	
ELRHHR	Similar	same shape, contour and texture
FBEYWM	Similar	
FZRJT8	Similar	The mouth appears to be of similar size and shape. The vermilion boarder is very similar on both.
H2WQ96	Similar	Mouth size and lip shape appear similar. Unknown is smiling a little wider which can account for some differences in shape of philtrum.
HFB7XM	Similar	
HRQ6L4	Similar	similar width; similar contour of upper and lower vermillion borders; similar fullness; similar shape and depth of philtrum.
HUCPQ8	Similar	
HYQFYM	Similar	Average sized fissure, alae and tubercle of upper lip appear similar.
JL2M67	Similar	
K3KWNM	Similar	Mouth is placed in a similar location on the face. Vermillion border is similar in shape/contour. Upper and lower lips are similar in size/shape/color/thickness. Lip creases on bottom lip are similar in location/shape. Philtrum is similar in location/shape/width/length. Marionette lines are similar in location/size/shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Mouth placement and vermillion line are similar. Cupids bow present in both known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	more of a neutral expression in the known, a smirk in the unknown making the lips appear wider, lip thickness is similar, cupid bow is similar, philtrum appears wider in the unknown but that's due to expression pulling it, marionette lines are similar, fissure of mouth is similar, lower vermillion border is similar
LQZ4DH	Similar	Overall shape, upper lip, Filtrum, lower lip, labial commissure
P6CLXG	Similar	

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Image Set Q8: Table 4.8(k) - Mouth

WebCode	Observation	Feature Notes
PD3BCW	Similar	The overall shape, size, length and fullness of the upper and lower lips is consistent between the known and unknown images. The distance between the upper lip and columella is consistent. The philtrum and philtral ridges are consistent. The oral fissure and cupid's bow are consistent between known and unknown images. Each has a pronounced cupid's bow on the upper lip. Both upper and lower lips are full, plump and have a rosy-pink color/tone. The left corner of the mouth is slightly more raised, higher than the right corner giving a slight tilt to the overall appearance of the mouth.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Upper vermillion border appears similar in shape; lower vermillion border appears similar in shape; upper lip appears slightly fuller in K; lower lip appears slightly fuller in U, may be due to expression; corners of mouth turn upward in both; tone of lips appears dissimilar, may be due to intentional alterations; mentolabial sulcus appears similar in size/shape/location.
PRMQFV	Similar	Fullness of the lips is similar. Shape of the lips are similar. Cupids bow has a similar shape and prominence. Fissure has a similar curvature. The tone of the lips appear to be similar. Marionette lines have a similar prominence and are found in similar locations. Philtrum has a similar prominence, wider on the unknown.
PVM3BV	Similar	general shape of the mouth appears to be similar - vermillion border of the upper lip appears to be similar in 'cupids bow' shape - corners of the mouth appear to curve downward in similar ways - lips appear to be similar in thickness
PWHKDW	Similar	lips shape/size similar
PWYRHE	Similar	Compatible lip commissure
PX9LGZ	Similar	The shape and width of the lips are similar, and both have a similar philtrum. The corners of the lips are looking upwards.
PY46H2	Similar	fullness, upper vermillion border
Q49MUY	Similar	
QTWDAF	Similar	The upper vermillion border appears to have a similar contour with two medium peaks and an angled cupids bow. The fissure appears to have a similar contour. The lower lip is larger than the upper lip on both subjects. The mouth appears to have an asymmetric tilt. The lower lip protrudes in a similar fashion.
QYFHZU	Similar	The size, shape, and placement are similar.
R273NE	Similar	Known and unknown have similar mouth width, similar mouth ends shape and angles. Lip thicknesses, and shapes at top and bottom are similar. Mouth fissure curvature in both is similar
TBLBPC	Similar	
U6E77R	Similar	Philtrum has similar length and width in both subjects. Overall mouths are symmetrical. Lips are thin for both subjects. Upper vermillion border has same shape in both subjects.
U778AU	Similar	
UZ6NFC	Similar	

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Image Set Q8: Table 4.8(k) - Mouth

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	ifferent expressions. Unknown smile is wider. Philtrum length is similar. Philtrum appears wider in Unknown, likely due to the wider smile and possibly due to the difference in lighting casting more shadow in the Known. Overall mouth shape is consistent. Right upper side of lip slants down at more of a straight angle, left side of upper lip has more of an inward curve. Cupid bow shape similar. Similar lower lip fullness and shape. Medial sulcus is minimal and very close to lower lip.
XQMJNP	Similar	Both subjects have a slight smile expression, unknown smile is slightly larger causing lips to stretch slightly. Mouth turns upward at corners on both subjects. Both subjects have a similar cupids bow.
XTNLEQ	Similar	Overall mouth - Shape - Symmetry
XYERF8	[Not Reported]	Similarities include: Upper lip: shape, fullness, protrusion, Lower lip: shape, protrusion, lower vermillion border shape, Lip fissure: degree of contact, angle, Asymmetry (R corner of mouth sits slightly higher than L) Dissimilarities include: (may be due to differences in expression and lighting in Q & R) Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: upper vermillion border shape, Lower lip: fullness, Lip fissure: shape Not comparable: (due to pose and expression in one or both images) Upper/lower lip: detail, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities - not observed
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Mouth	Total Participants: 62
Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar jawline shape and prominence; similar chin shape and prominence; similar faint facial line/mentolabial sulcus present horizontally across the chin in similar relative location
34T74N	Similar	
3LFL7K	Similar	On both subjects, the chin and jawline are consistent in shape, length and width relative to the face, prominence, and symmetry, to inlcude the gonial angle.
3M7MAM	Similar	Short chin, similar overall shape.
4T9DRJ	Similar	wider looking face on unknown likely due to age.
6JZ4ZJ	Similar	Overall shape
7B6GQY	Similar	
7PHQBF	Similar	The contour of the jawline appears to be similar between the probe and candidate. The shape of the chin appears to have consistencies as well.
89T2WX	Similar	The shape is similar, but the chin is different in some parts due to expression
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in shape and width. The distance from the bottom lip to the chin is similar. The placement of the mandibular crease is consistent.
9GLTHW	Similar	shape, length, and definition of the jawline are similar; width, short height, rounded shape, and lack of prominence of the chin are similar; shapes created by the musculature on the chin is consistent
9KFMFY	Similar	similar shape/protrusion of chin; similar curve of jawline to gonial angle
9U4MPG	Inconclusive	
AKVB9D	Similar	low goinal angle and wide rounded chin
B2Z6FC	Similar	Both have a rounded jaw line with a round chin. Neither have a large chin prominence
BZH38T	Similar	The jawline is similar.
CKPXLT	Inconclusive	Similar chin shape and size. Dissimilar gonial and jawline shape and angle.
CUYZ8T	Similar	
D2QZYQ	Similar	multiple marks similar
DA6QFC	Similar	
EGJRJR	Similar	Chin/Jawline – Soft jawline is consistent in both subject with no sharp angles. Individuals have a left slant in line with left ala to midline facial mark, depression, scar, and/or indentation where mentolabial sulcus would be halfway down chin that is consistent in shape and location.
EGYH2B	Similar	
ELRHHR	Similar	same shape

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Image Set Q8: Table 4.8(I) - Chin/Jawline

WebCode	Observation	Feature Notes
FBEYWM	Similar	
FZRJT8	Similar	The chin/jawline are very similar
H2WQ96	Similar	Similar shape chin and jawline.
HFB7XM	Similar	
HRQ6L4	Similar	similar contour and prominence
HUCPQ8	Similar	
HYQFYM	Similar	Squared jawline and rounded chin similar.
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in size/shape/location. Mentolabial sulcus is similar in location/size/shape. Buccal crease is similar in location/shape/size. Jawline is similar in size/shape. Gonial angle is similar in size/shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Chin in both has similar angle and rounded with no dimpling and similar scarring or skin folds. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	jawline length is similar, chin shape/size is similar, mentolabial sulcus is similar
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	
PD3BCW	Similar	The chin of known and unknown images is equally rounded, soft and tapers into the gonial angle of the jawline without a hard edge. The structure of the jaw is small but wide and square in shape. There appears to be a faint, short and thin, diagonal line mid-way between the left side of the lower lip, ending at the center of the chin that is consistent on both unknown and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears similar in size; appears more pointed in U, more squared in K, may be due to pose/lighting; jawline appears similar in shape and definition.
PRMQFV	Similar	Curvature of the chin is rounded on known and unknown. Jawline isn't prominent on either subject.
PVM3BV	Similar	chin and jawline appear to be similar in shape and contour - indentions in the chin under the mouth appear to be similar in size and location
PWHKDW	Similar	no obvious differences
PWYRHE	Similar	medium
PX9LGZ	Similar	Both have a wide jawline and small chin.
PY46H2	Similar	

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Image Set Q8: Table 4.8(I) - Chin/Jawline

WebCode	Observation	Feature Notes
Q49MUY	Similar	
QTWDAF	Similar	The gonial angle appears to be sharp on both subjects. The chin appears to be short with a slight roundness to it.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	Known and unknown have similar roundedness of gonial angles and jawlines,, similar chin shape and size. Both have lines going through horizontally in middle of chin.
TBLBPC	Similar	
U6E77R	Similar	chins and jawlines have similar shape and angle. Similar distance from mouth to chin.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Overall mostly similar. Unknown jawline and chin look more defined and angular - likely due to slight downward pitch, wider smile, possibly even due to some weight loss and lighting. Overall shape is still within tolerance.
XQMJNP	Similar	Both subjects have a similar shaped jaw line and chin
XTNLEQ	Similar	Overall shape
XYERF8	[Not Reported]	Similarities include: Chin: overall shape, width relative of rest of face, details, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry (L gonial angle sits higher than R) Dissimilarities include: (may be due to differences in pose and lighting in Q & R) Chin: length, prominence
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Chin/Jawline

Total Participants: 62

Response	Percent Reported
Similar	60 (96.8%)
Dissimilar	0 (0.0%)
Inconclusive	2 (3.2%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q8: Table 4.8(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to hair and clothing covering
34T74N	Similar	
3LFL7K	Unable To Compare	Unknown subject's neck isn't visible.
3M7MAM	Unable To Compare	Most of the unknown person's neck is obscured.
4T9DRJ	Unable To Compare	
6JZ4ZJ	Unable To Compare	neck covered with hair
7B6GQY	Similar	
7PHQBF	Unable To Compare	Cannot compare.
89T2WX	Unable To Compare	
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Unable To Compare	Due to the unknown's neck being covered by hair, there is no area in common to compare.
9GLTHW	Unable To Compare	due to the shadowing present on known image and hair coverage of unknown, most of the neck is not available for comparison, however the portion that is visible indicates that the neck crease appears to be similar shape, location, and prominence
9KFMFY	[Not Reported]	unable to compare much detail of neck due to being mostly covered for Unknown(2) by hair
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	not visible in unknown image- covered by hairstyle
B2Z6FC	Unable To Compare	Not visible in unknown
BZH38T	Unable To Compare	The neck cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Occlusion in the Unknown limits neck visibility and assessment.
CUYZ8T	Similar	
D2QZYQ	Unable To Compare	very limited area available in uknown image
DA6QFC	Similar	
EGJRJR	Similar	Neck – Known has a short neck with a freckles, mole, and/or facial mark on the base of neck dead center. Unknowns neck is covered by individual hair thus impeding analysis need for comparison.
EGYH2B	Similar	
ELRHHR	Unable To Compare	not visible for unknown profile
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The neck of the unknown is obscured by hair and clothing

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Image Set Q8: Table 4.8(m) - Neck

WebCode	Observation	Feature Notes
H2WQ96	Unable To Compare	Unknown's neck is covered by hair.
HFB7XM	Similar	
HRQ6L4	Similar	only minimally visible in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Details obscured by hair of Unknown image.
JL2M67	Unable To Compare	
K3KWNM	Unable To Compare	
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Neck is obscured in unk and therefore complete comparison is not available. Inc
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	not much of the neck is visible in the unknown to compare
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Similar	The neck of the known and unknown images appears to be consistent in width, length and weight. Unknown's neck is mostly covered with long hair that rests along the sides.
PGNVGZ	Unable To Compare	
PKLEJY	Unable To Compare	
PRMQFV	Unable To Compare	Unable to compare, mostly covered on the unknown.
PVM3BV	Unable To Compare	neck of the unknown is not visible for comparison
PWHKDW	Unable To Compare	not enough neck showing in unk to make comparison
PWYRHE	Unable To Compare	Can't be compared
PX9LGZ	Unable To Compare	
PY46H2	Unable To Compare	limited visibility due to hair of unknown
Q49MUY	Unable To Compare	
QTWDAF	Similar	The visible portion of the neck of the unknown is unremarkable and the rest of the neck is not able to be compared due to obstruction.
QYFHZU	Unable To Compare	Not visible in the unknown image.
R273NE	Similar	Can only see middle of unknown's neck due to hair, appears to be similar with neck lines visible as that of known.
TBLBPC	Unable To Compare	

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Image Set Q8: Table 4.8(m) - Neck

WebCode	Observation	Feature Notes
U6E77R	Unable To Compare	Can't see neck in unk subject
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Unknown neck is mostly not visible, but there is a horizontal crease visible in the Unknown that is faintly visible and similar in the Known.
XQMJNP	Inconclusive	Unknown neck is mostly covered by hair.
XTNLEQ	Unable To Compare	Neck is covered by hair in Image B
XYERF8	[Not Reported]	Not comparable: (due to obstructions in one or both images) Overall neck: width, height, details, Laryngeal prominence: shape, size, prominence, location
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q8 Neck	Total Participants: 62
Response	Percent Reported
Similar	11 (17.7%)
Dissimilar	0 (0.0%)
Inconclusive	4 (6.5%)
Unable to Compare	46 (74.2%)
Not Applicable	1 (1.6%)

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Image Set Q8: Table 4.8(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	None
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q8: Table 4.8(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none
HUCPQ8	Not Applicable	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Neither subject has visible facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	not evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q8: Table 4.8(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None Noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	None
XYERF8	[Not Reported]	Facial hair not observed in Q & R.
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q8 Facial Hair

Total Participants: 62

Response	Percent Reported
Similar	1 (1.6%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	59 (95.2%)

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Image Set Q8: Table 4.8(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Similar	The inferior palpebral crease under both eyes and nasolabial folds are the only significant facial lines visible on both subject and are very consistent.
3M7MAM	Similar	Similar nasolabial folds.
4T9DRJ	Similar	similar nasolabial folds, similar infraorbital creases
6JZ4ZJ	Similar	Right nasolabial crease/folds Left nasolabial crease/folds Right infraorbital creases Left infraorbital creases (creases below the eyes) Right marionette lines Left marionette lines Prominence
7B6GQY	Similar	
7PHQBF	Similar	The nasolabial folds of the probe and candidate appears to be similar in the length and depth. The length of the left and right inferior palpebral creases appear to be similar between the probe and candidate.
89T2WX	Similar	The nasolabial fold wrinkles are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	similar shape/prominence/curve of left/right nasolabial folds; similar shape of mentolabial sulcus; other facial lines referenced elsewhere
9U4MPG	Similar	
AKVB9D	Similar	nasolabial creases originating above alae and ending in possible marionette lines
B2Z6FC	Similar	Discussed above
BZH38T	Similar	The nasolabial folds is similar.
CKPXLT	Similar	Similar inferior palpebral crease and nasolabial folds placement.
CUYZ8T	Similar	
D2QZYQ	Similar	similar throughout images
DA6QFC	Similar	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Similar	same pattern
FBEYWM	Similar	
FZRJT8	Similar	Both have very similar nasolabial creases and infraorbital creases

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Image Set Q8: Table 4.8(o) - Facial Lines

WebCode	Observation	Feature Notes
H2WQ96	Not Applicable	No facial lines observed.
HFB7XM	Similar	
HRQ6L4	Similar	similar length and shape of inferior and superior palpebral creases; similar length, contour of nasolabial folds.
HUCPQ8	Similar	
HYQFYM	Similar	Nasolabial folds and infraorbital lines similar.
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nasolabial lines in both unk and known are of equal length and depth. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Nasal lines
P6CLXG	Similar	
PD3BCW	Not Applicable	none
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Nasolabial folds appear similar in shape/definition/angle; others aforementioned.
PRMQFV	Similar	Inferior palpebral crease have a similar prominence and are found in similar locations. The nasolabial folds are similar in length, prominence and location. Crease in the chin is consistent in location and length.
PVM3BV	Similar	facial lines are mentioned in the eyes, nose, and mouth sections above
PWHKDW	Similar	nasolabial lines similar
PWYRHE	Similar	Compatible bizygomatic diameter
PX9LGZ	Similar	Similar nasolabial folds and creases on the chin.
PY46H2	Similar	nasolabial creases, chin crease
Q49MUY	Similar	
QTWDAF	Similar	The nasolabial lines appear to attach in the same location with a similar contour.
QYFHZU	Similar	Nasolabial folds are similar in size and placement.
R273NE	Similar	Similar nasolabial lines curvatures and positions on both sides coming down around mouth

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Image Set Q8: Table 4.8(o) - Facial Lines

WebCode	Observation	Feature Notes
TBLBPC	Similar	
U6E77R	Similar	left nasolabial folds are similar in shape and length in both subjects. same with right nasolabial folds.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar superior palpebral crease and inferior palpebral crease. Similar nasolabial creases - the left crease is more straight, the right crease has and outward rounded curve (at least when smiling).
XQMJNP	Similar	Both subjects have facial lines that start on side of nose and curve under the cheeks.
XTNLEQ	Similar	Right nasolabial crease/folds Left nasolabial crease/folds Right infraorbital creases Left infraorbital creases (creases below the eyes) Right marionette lines Left marionette lines Prominence
XYERF8	[Not Reported]	Similarities include: Inferior palpebral crease, Nasolabial crease Dissimilarities include: (may be due to differences in expression, lighting and image quality in Q & R) Superior palpebral crease, Infraorbital crease, Marionette lines Not comparable: (not observed) Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Circumoral striae, Mentolabial sulcus, Cleft chin, Buccal creases, Wrinkles on neck, Other creases
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Facial Lines	Total Participants: 61
Response	Percent Reported
Similar	56 (91.8%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	5 (8.2%)

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Image Set Q8: Table 4.8(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Similar	There is what appears to be chicken pox scars on the brow ridge near the right eyebrow and on the bridge of the nose on both subjects.
3M7MAM	Similar	Comparable skin indentations.
4T9DRJ	Similar	scar or mark next to right eyebrow above nose, mark on left cheek parallel to nose and one on bridge of nose and one on right cheek - appear to be pockmarks.
6JZ4ZJ	Not Applicable	None
7B6GQY	Similar	
7PHQBF	Not Applicable	
89T2WX	Similar	The locations and sizes of multiple pits are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	[Not Reported]	referenced in facial marks
9U4MPG	Similar	Many small; nose, glabella, cheeks, around mouth
AKVB9D	Similar	possible scar/ deep facial line along mentolabial sulcus
B2Z6FC	Similar	Both have a scar on the medial side of the right eyebrow
BZH38T	Similar	The position of the scar around the forehead is similar.
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Similar	
D2QZYQ	Similar	similar throughout images (forehead, between eyebrows, cheeck, nose)
DA6QFC	Similar	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Similar	same scar between eyebrows
FBEYWM	Similar	
FZRJT8	Similar	Both have similar scars between their eyebrows, as well as on the base of her nose.
H2WQ96	Similar	Scars near right eyebrow, between eyes, on right cheek, above left eye, and below left eye appear similar.

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Image Set Q8: Table 4.8(p) - Scars

WebCode	Observation	Feature Notes
HFB7XM	Similar	Scar above the bridge of the nose next to the right eyebrow, scar on the bridge of the nose.
HRQ6L4	Similar	similar positioning, size, and shape of scars on chin, cheeks, and nasal root.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities noted on forehead and cheeks.
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	Both have two very distinct scars at the top of their noses
KHWG47	Similar	
L7ZVC2	Similar	Scarring on forehead between eyebrows, chin, forehead, cheeks is all consistent between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Scars (shape, size and location)
P6CLXG	Similar	
PD3BCW	Similar	few, small pitted areas around the facial plane
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Appears similar scar in size and shape on nasal root; scar on left cheek on K, not visible in U, may be due to lighting/time; scar similar in size and shape on right cheek in both.
PRMQFV	Similar	Appears to be a scar near the start of the right brow, consistent between both subjects. Appears to be a scar found above the right brow of the known, not as prominent on the unknown. Scar on the root of the nasal body is similar.
PVM3BV	Similar	scars are mentioned in the brows and nose sections above
PWHKDW	Similar	scar in between eyebrows and on bridge of nose in both unk and k
PWYRHE	Similar	Scar from acne or chickenpox sequelae in the nasion and glabella region on the right side
PX9LGZ	Similar	Similar scars on the nasal bridge next to the right eyebrow and in the bidle of the bridge area.
PY46H2	Similar	multiple marks on nose
Q49MUY	Similar	
QTWDAF	Similar	There is a possible scar next to the medial portion of the right brow and possible a scar (or facial line) on the chin. There could be a mark on the nasal body that common between the subjects.
QYFHZU	Not Applicable	
R273NE	Similar	Both have similar size and shape scar by medial end of right eyebrow

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Image Set Q8: Table 4.8(p) - Scars

WebCode	Observation	Feature Notes
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Several similar scars. Scar medial to right eyebrow, two at nasal root, possibly on the nasal tip, on the lower right cheek, and possibly a long horizontal scar (or maybe crease) on the chin. Known also has a round scar on the cheek to the left of the nose, possibly a diagonal scar between the eyebrows, and above the right eyebrow that are not seen in the Unknown.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	None
XYERF8	[Not Reported]	Similarities include: Possible scar on mid-chin similar in shape, location, orientation
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Scars

Total Participants: 61

Response	Percent Reported
Similar	50 (82.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	11 (18.0%)

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Image Set Q8: Table 4.8(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Not Applicable	
3M7MAM	Similar	Multiple facial pigmentation abnormalities show similarity.
4T9DRJ	Similar	similar marks, two marks (dots) below right eye on edge and one below to form a triangle, mark to left of nose.
6JZ4ZJ	Similar	Mark on the brow bridge
7B6GQY	Similar	
7PHQBF	[Not Reported]	Next to the right eyebrow, there appears to be a circular mark that is visible on the probe and candidate. Next to left ala there appears to be a facial mark that is visible on both the probe and candidate.
89T2WX	Similar	The moles are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	similar small circular facial mark present right below right eye close to right lateral canthus; similar two circular facial marks present on upper right cheek below right lateral canthus in size/relation to one another; similar facial mark/scar in shape/size located between both eyebrows closer toward the right eyebrow; similar facial mark/scar present toward the center of the upper part of nose; appears to be similar small/circular facial mark present between where left nasolabial fold curves toward left ala
9U4MPG	Similar	Some marks on right cheek
AKVB9D	Similar	facial mark to left of nose in nasolabial fold, facial mark/scar at medial end of right eyebrow and right cheek. Freckles at/below corner of right eye
B2Z6FC	Similar	Both have 2 freckles under the lateral side of the right eye
BZH38T	Similar	The acne on the eyebrow is similar.
CKPXLT	Similar	Similar three textured skin marks on nose bridge, one textured skin mark above the left eyebrow, one dark skin mark by the left ala, two dark skin marks under the right lateral canthus and one textured skin mark on lower R cheek near the nasolabial fold.
CUYZ8T	Similar	
D2QZYQ	Similar	similar throughout images
DA6QFC	Similar	
EGJRJR	Similar	As previously mentioned.

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Image Set Q8: Table 4.8(q) - Facial Marks

WebCode	Observation	Feature Notes
EGYH2B	Not Applicable	
ELRHHR	Similar	same scars and moles
FBEYWM	Similar	
FZRJT8	Similar	They both have similar facial marks under their right eyes
H2WQ96	Similar	Facial marks on the lower lash line of right eye, below right eye, to the left of nasal base, and below left eye appear similar.
HFB7XM	Similar	A mark on the tip of the nose, a mark on the side of the left wing of the nose, two marks on the top of the right cheek.
HRQ6L4	Similar	similar prominence, positioning and size of facial marks on cheeks and forehead.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities noted on forehead, cheeks, chin and around eyes.
JL2M67	Similar	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	(See above "scarring" as facial marks) Scarring on forehead between eyebrows, chin, forehead, cheeks is all consistent between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Skin marks (size, color and location)
P6CLXG	Similar	Multiple scars/marks
PD3BCW	Not Applicable	none
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Facial marks on right cheek, lower right lash line, left cheek, and left side of nose that appear similar in size/shape/color/location.
PRMQFV	Similar	Facial marks on the right cheek is similar in color, size and location. Mark near the left nostril is similar in size, prominence and location. Mark on the unknowns left eyelid, also found on the known but not as prominent possibly due to the difference in lighting.
PVM3BV	Similar	facial marks are mentioned in the cheeks and nose sections above
PWHKDW	Similar	scars, mole/freckles in same position, shape, size in both
PWYRHE	Similar	The scars of rosacea acne.
PX9LGZ	Similar	Similarly placed freckles on the right cheekbone and a small mole is also present next to the left nostril.

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Image Set Q8: Table 4.8(q) - Facial Marks

WebCode	Observation	Feature Notes
PY46H2	Similar	mark on right cheek
Q49MUY	Similar	
QTWDAF	Similar	There are multiple facial marks in a similar area, coloration, and alignment on both subjects.
QYFHZU	Similar	A small depression located to the left of the right eyebrow is apparent in both images.
R273NE	Similar	Both have mark under lateral end of right eye in similar position, both have similar mark by left end of ala that is similar.
TBLBPC	Similar	pockmarks, freckles
U6E77R	Similar	similar facial marks in between eyebrows and on nasal root of nose. Similar marks under outer right eye.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Several similar marks. Three on the upper right cheek, one lateral to the left alae, and one of the upper left cheek.
XQMJNP	Similar	facial marks on cheeks and forehead appear to be in same locations.
XTNLEQ	Similar	Mark appears on brow bridge
XYERF8	[Not Reported]	Similarities include: Mark adjacent to medial end of R eyebrow, Mark above medial end of L eyebrow, Two marks on outer R cheek below R lateral canthus, and marks on mid-R cheek, Mark on mid L cheek, Mark on mid-nasal root, Two marks on upper L of nasal body Dissimilarities include: (may be due to differences in image quality and lighting in Q & R, or are transient marks) A number of additional marks on cheeks observed in Q1, not R1, Possible mark above medial end of R eyebrow observed in R1, not Q1
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q8 Facial Marks

Total Participants: 61

Response	Percent Reported
Similar	56 (91.8%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	5 (8.2%)

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Image Set Q8: Table 4.8(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to potentially be wearing more make up than the unknown
34T74N	Unable To Compare	Dyed hair.
3LFL7K	Not Applicable	
3M7MAM	Unable To Compare	The known person wears a necklace, while the unknown person's neck is mostly obscured.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	None
7B6GQY	Similar	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The sample has traces of makeup
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Similar	both appear to have brows drawn on with application of makeup
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none apparent
B2Z6FC	[No observations reported for this feature.]	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	different hairstyles
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	same head tilt and physical alterations
FBEYWM	Not Applicable	
FZRJT8	[Not Reported]	None visible
H2WQ96	Not Applicable	No alterations observed.
HFB7XM	Not Applicable	

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Image Set Q8: Table 4.8(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	
HUCPQ8	Not Applicable	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown appears to have makeup on
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Both appear to be wearing makeup; no tattoos or piercings present.
PRMQFV	Not Applicable	
PVM3BV	Not Applicable	
PWHKDW	[No observations reported for this feature.]	
PWYRHE	Similar	Naseogenial folds.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Dissimilar	hair pulled back on the known
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note
TBLBPC	Similar	eyebrows permanent makeup
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q8: Table 4.8(r) - Alterations

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	[Not Reported]	Hair dye
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	None
XYERF8	[Not Reported]	Alterations not observed in Q & R.
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q8 Alterations

Total Participants: 54

Response	Percent Reported
Similar	6 (11.1%)
Dissimilar	6 (11.1%)
Inconclusive	1 (1.9%)
Unable to Compare	2 (3.7%)
Not Applicable	39 (72.2%)

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Image Set Q8: Table 4.8(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known image is under exposed whereas unknown image is over exposed
CKPXLT	Limitations	Dissimilar	Occlusion, expression and lighting.
LADNAL	Quality	Similar	known image is good quality frontal image with darker lighting, unknown is a good frontal image with brighter lighting
PWYRHE	imagen superimposition	Similar	Concordant cephalometric planes
XPRZMN	image quality		Unknown image is higher quality with clarity of detail. Known has reduced clarity of detail.
XYERF8	Limitations		The images displayed a number of limiting factors including, but not limited to, pose, lighting, expression and image quality conditions. These limited the comparison and the observations that were able to be made.
XPRZMN	lighting	Dissimilar	Lighting is coming from different directions

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Detailed Feature Observations

TABLE 4 - Image Set Q9

Image Set Q9: Table 4.9(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar skin tone; similar skin texture
34T74N	Similar	
3LFL7K	Similar	The skin in similar in texture and color, despite lighting differences.
3M7MAM	Similar	Similar texture, different skin tones.
4T9DRJ	Similar	similar complexion
6JZ4ZJ	Similar	Overall texture , tone
7B6GQY	Similar	
7PHQBF	Similar	Skin tones appear to be similar between the probe and candidate.
89T2WX	Similar	Light skin tone
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar coloring and texture.
9GLTHW	Similar	smooth texture and complexion are similar, however known's is more tanned with a reddish tone whereas unknown's is fair, but this could be attributed to differences in sun exposure or lighting/capture settings; texture is more apparent on unknown due to makeup application enhancing appearance; highlighting and shadowing on the contours of the face are similar, specifically along the central vertical and horizontal planes of the face, indicating that the underlying musculature and bone structure is similar
9KFMFY	[Not Reported]	both have lighter skin tones; similar skin texture; difference in lighting in images
9U4MPG	Inconclusive	Different lighting conditions
AKVB9D	Similar	
B2Z6FC	Similar	Similar color and luminance. Unknown has more textured skin possibly due to lighting
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is dark due to lighting.
CKPXLT	Similar	Similar skin tone and texture.
CUYZ8T	Similar	
D2QZYQ	Similar	similar texture, coloring off due to lighting
DA6QFC	Similar	
EGJRJR	Similar	Skin – Subjects have fair skin. Probe appears tanner or warmer in image compared to Candidate who appears paler due to lighting differences and image quality. Candidate is blotchy in cheek and chin area.

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Image Set Q9: Table 4.9(a) - Skin

WebCode	Observation	Feature Notes
EGYH2B	Similar	
ELRHHR	Similar	same texture and marks
FBEYWM	Similar	
FZRJT8	Similar	The lighting of the known is darker and uneven than the unknown which is much brighter. The known's skin tone appears darker due to the lighting but otherwise they appear similar.
H2WQ96	Similar	Tone appears similar, but known is a little darker possibly from the sun.
HFB7XM	Similar	
HRQ6L4	Similar	similar texture, slightly different color due to lighting and makeup.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities in complexion, tone and marks.
JL2M67	Similar	
K3KWNM	Inconclusive	Skin is not similar in color. Known appears darker. This could be due to lighting. Texture is slightly similar. This could be due to age difference. Luminance is similar in pattern on the face.
KEBXX2	Similar	Similar texture and tone though the known's seems darker - possibly tanned or due to image quality
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones and texture between known and unk
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	tone appears darker in the known due to lighting, texture is similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	The skin of known and unknown individual is equal in light warm tone and color, smooth texture and complexion. No remarkable markings or blemishes. Each image is good quality making details clear and highly visible for comparison purposes. The skin of both known and unknown appears to be mostly free of fine lines, creases and wrinkles suggesting that the images are both close in age to a young adult.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears dissimilar in overall tone, may be due to lighting/time of year; similar in texture.
PRMQFV	Similar	Tone of the skin is somewhat similar, a bit lighter on the unknown possibly due to the difference in lighting. Unknown skin is more textured, pores more visible.
PVM3BV	Similar	skin tone and texture appear to be similar between subjects
PWHKDW	Similar	both white females, similar tone

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Image Set Q9: Table 4.9(a) - Skin

WebCode	Observation	Feature Notes
PWYRHE	Similar	same color
PX9LGZ	Similar	The skin texture is similar. Tone seems different due to the difference of lighting conditions.
PY46H2	Similar	Slight difference in tone (makeup/lighting/sun exposure?)
Q49MUY	Similar	
QTWDAF	Similar	The subjects appear to have a similar skin tone with differences in hue which is likely due to quality, sun exposure, or imaging conditions. The skin texture appears to be consistent between the subjects.
QYFHZU	Similar	Color and tone are consistent. The skin appears lighter in the unknown but it could be due to lighting.
R273NE	Similar	Known and unknown have similar texture of skin and similar tone despite difference of lighting in images.
TBLBPC	Similar	
U6E77R	Similar	similar texture
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar skin tone. Skin has some texture, but is clear. Some freckles on upper forehead.
XQMJNP	Similar	Both subjects have light skin. Known appears darker due to lighting and background color.
XTNLEQ	Similar	Overall texture and tone
XYERF8	[Not Reported]	Similarities: Overall skin appearance: texture - Dissimilarities include: Overall skin appearance: tone (potentially due to lighting)
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Skin

Total Participants: 60

Response	Percent Reported
Similar	54 (90.0%)
Dissimilar	2 (3.3%)
Inconclusive	2 (3.3%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.3%)

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Image Set Q9: Table 4.9(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall facial shape; unable to compare cranial vault shape due to known image being cut off
34T74N	Similar	
3LFL7K	Similar	The cranial vault isn't visible on the known subject. However, the overall shape of the head and face is consistent with unknown subject.
3M7MAM	Similar	Basically identical face shapes.
4T9DRJ	Similar	simlar face outline.
6JZ4ZJ	Similar	Overall shape of face ,Portrait contour
7B6GQY	Similar	
7PHQBF	Similar	The face outline between the probe and candidate appear to have a similar face outline. Both appear to have an oval face shape.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/head outline is similar in shape and size.
9GLTHW	Similar	oval-like facial shape, size, and narrowness are similar; cranial vault shape can't be compared due to known's not being captured in the image
9KFMFY	[Not Reported]	visible shape/head outline is similar
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Both have an oval shaped head
BZH38T	Similar	The face shape is similar.
CKPXLT	Similar	Similar head and face shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Outline –Known has a rounded/upside down egg-shaped head, while Unknown has a round head outline with a pointed chin.
EGYH2B	Similar	
ELRHHR	Similar	same geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Unable To Compare	
FZRJT8	Similar	The face/head outline appears similar

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Image Set Q9: Table 4.9(b) - Face/Head Outline

WebCode	Observation	Feature Notes
H2WQ96	Similar	Face shape appears similar.
HFB7XM	Similar	
HRQ6L4	Similar	similar shape and contour; extreme superior portion of known image forehead and top of cranial vault obscured due to cropping.
HUCPQ8	Similar	
HYQFYM	Similar	Similar oval shape, narrow facial outline, rounded jawline and overall ear shape.
JL2M67	Similar	
K3KWNM	Similar	Face/Head is similar in heart shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have oval facial structure. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	top of head is cut off in the known, width is wider due to expression, bottom half shape/size is similar
LQZ4DH	Similar	Overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have consistent, evenly curved round contour from top of head around the hairline to underneath of chin. The features of both known and unknown are similar in placement, weight and symmetry. Both known and unknown are forward facing, frontal images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault not visible for comparison; overall shape of face from what is visible is similar.
PRMQFV	Similar	Top of the knowns head is partly cutoff. Curvature of the lower part of the head appears to be consistent.
PVM3BV	Similar	general shape of the face appears to be similar between subjects
PWHKDW	Similar	no obvious differences
PWYRHE	Similar	dolichocephalic
PX9LGZ	Similar	Similar oval shape.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The face/head outline (where visible) appears to be similar with a rounded cranial vault, thinner section around the eyes, wider cheek area, and an angle chin/jaw section.
QYFHZU	Similar	The overall shape and size are consistent

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Image Set Q9: Table 4.9(b) - Face/Head Outline

WebCode	Observation	Feature Notes
R273NE	Similar	Both have similar ovalular head shapes.similar width at top then comes in slightly and similar width down through bottom to cheek
TBLBPC	Similar	
U6E77R	Similar	both have oval shaped face
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	The top of the known's head is cropped in the image, but the area visible is similar. Oval head shape.
XQMJNP	Similar	Both subjects have a small round head.
XTNLEQ	Similar	Overall shape of face and portrait contour
XYERF8	[Not Reported]	Similarities (mid-lower portion): Overall shape of the face - Not comparable (not visible): Shape of the cranial vault
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Face/Head Outline	Total Participants: 60
Response	Percent Reported
Similar	59 (98.3%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	1 (1.7%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial symmetry; similar relative proportion and location of facial features to one another
34T74N	Similar	
3LFL7K	Similar	The eyes, nose, mouth, and ears are consistent in spacing, relateive distances and appearance on both subjects.
3M7MAM	Similar	The proportions and positions of facial features are basically identical.
4T9DRJ	Similar	similar face composition
6JZ4ZJ	Similar	Approximate width of nose relative to eye distances ,Approximate width of mouth relative to eye distances , Approximate width of nose relative to mouth ,Approximate distance from nose to upper lip relative to face length Approximate distance from chin to lower lip relative to face length Ear position relative to eyes, nose, and mouth ,Eye position relative to face length
7B6GQY	Similar	
7PHQBF	Similar	The interchanthal distance of the eyes appears to be similar between the probe of the candidate. The distance from the nasal tip to the upper lip appears to be similar between the two images. The distance of the eyebrows to the eyes appears to be similar between the probe and candidate. The features of the face appear to be centralized around the center of the face.
89T2WX	Similar	The proportions are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/composition is similar in that the features are consistent in location within the two images. Ear position relative to eyes and nose appears similar.
9GLTHW	Similar	configuration, alignment, and size of the visible facial features are consistent with respect to each other and their location on the face; pitch is different, as known's head is slightly tilted up whereas unknown's head is in more of a neutral position
9KFMFY	[Not Reported]	similar distance from lower lip to chin; similar position of upper ear and lobe relative to eyes
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	spatial relationship between facial features is similar. Similar distance between eyes and lower lip to chin.
BZH38T	Similar	The shape of head is similar.
CKPXLT	Dissimilar	Dissimilar nose/mouth width relative to the eyes, upper lip to nose base/lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	

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Image Set Q9: Table 4.9(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGJRJR	Similar	Face/Head Composition – Features are concentrated to subjects lower 2/3rd of the face however some distance and spacing of feature are dissimilar between subjects. Noticeable differences in distance nose to mouth and mouth to chin which is longer in Known and Unknown respectively. Theses discrepancies may be attributed to the expression difference in Unknown.
EGYH2B	Similar	
ELRHHR	Dissimilar	different frame and distance, and it is obscured on the unknown profile
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition appears similar. The eyes, nose, and mouth are all similar size, shape, and distance from eachother.
H2WQ96	Similar	Proportions/position of features appears similar.
HFB7XM	Similar	
HRQ6L4	Similar	features have similar positioning relative to other features.
HUCPQ8	Similar	
HYQFYM	Similar	Somewhat narrow intercanthal and interpupillary distances, longer and narrow nose with ball shaped tip, average mouth fissure, rounded chin.
JL2M67	Similar	
K3KWNM	Similar	Face is similar in length/width. Features are placed on the face in a similar fashion. Eyes are placed on the face in a similar position relative to the ears. Intercanthal distance and Interpupillar distance is similar. Ears are placed on the head in a similar position relative to the eyes and chin. The nose is in a similar position relative to the eyes and mouth. The mouth is in a similar position between the nose and chin.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from nose to mouth appears to be further apart in unknown but that's due to expression difference
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown have consistent contour, shape, size, weight and placement of features.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyes, nose, mouth, ears appear similar in relationship to one another.
PRMQFV	Similar	Nose to mouth distance appears to be longer on the unknown possibly due to the difference in angles. The distance between the eyes is similar. Mouth in relation to the chin is similar.

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Image Set Q9: Table 4.9(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PVM3BV	Similar	the shape and sized of the facial features appear to be similar relative to each other between subjects
PWHKDW	Similar	similar composition
PWYRHE	Similar	proportionate
PX9LGZ	Similar	Relative distances between facial features are similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar alignment with longer vertical distance than horizontal. The nasal tip appears to be closer to the mouth than the eyes in both subjects.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Features are in similar positions relative to the other features of face in both.
TBLBPC	Inconclusive	glasses
U6E77R	Similar	similar relative distance/position between eyes, nose, mouth and ears
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar. Features are placed lower on the face. The difference in expression (neutral vs smiling) is visually altering the spacing from the nose to the upper lip, width of the mouth relative to the eyes, and the width of the nose relative to the eyes. The position of the ears and the eyes relative to face length is consistent.
XQMJNP	Similar	The features are spaced evenly on both subjects.
XTNLEQ	Similar	- Approximate width of nose relative to eye distances - Approximate width of mouth relative to eye distances - Approximate width of nose relative to mouth - Approximate distance from nose to upper lip relative to face length - Approximate distance from chin to lower lip relative to face length - Ear position relative to eyes, nose, and mouth - Eye position relative to face length
XYERF8	[Not Reported]	Similarities: Approximate distance from chin to lower lip relative to face length, Eye position relative to face length (overall proportions with other visible features of the face), Approximate width of nose relative to mouth - Dissimilarities include: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate distance from nose to upper lip relative to face length, Ear position relative to eyes, nose, and mouth - minor dissimilarities in alignment in relation to eyes (impacted by lighting/pose/expression)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Face/Head Composition		Total Participants: 60
Response	Percent Reported	
Similar	57 (95.0%)	
Dissimilar	2 (3.3%)	
Inconclusive	1 (1.7%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q9: Table 4.9(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar hair color and texture; both individuals have hair pulled up; similar temporal peak hairline growth; unknown has a distinct widow's peak that unable to compare to known due to top of forehead not being captured in the image
34T74N	Similar	
3LFL7K	Similar	Both subjects hair is consistent in color, texture and style.
3M7MAM	Inconclusive	The known person's hair is partially obscured, but the visible sections appear similar.
4T9DRJ	Similar	similar color, texture and style.
6JZ4ZJ	Similar	Shape/spatial distribution , Texture ,Symmetry , Density ,Tonality / Hairline right side Hairline left side
7B6GQY	Similar	
7PHQBF	Similar	Hair color of the probe and candidate appear to be similar. The hairline of the probe and candidate appears to have some similarities.
89T2WX	Similar	The hair color and hairstyle are similar, but the known sample's hairline is incomplete
8FP3RH	Inconclusive	
8ZX32H	Similar	
93ZDEX	Similar	Not much is visible as both the known and unknown images have the hair pulled back away from the face. The hair growth pattern on the sides of the face/forehead appears similar. Coloring appears similar as well.
9GLTHW	Similar	hair is pulled back away from the face in a similar fashion; hairline along forehead can't be compared due to not being captured in the image, but hairline along the sides is consistent; thickness appears to be similar; hair color seems to be dissimilar, but this could be due to the lighting differences, such as the shadowing present on the known, or grooming differences
9KFMFY	[Not Reported]	similar hair color/texture; both have hair pulled back; part of forehead hairline of Known(1) cropped from image; what is visible of left/right hairline is similar
9U4MPG	Inconclusive	Not complete hairline visible in known
AKVB9D	Similar	similar color and pulled back hairstyle
B2Z6FC	Similar	Both have a similar hairline and hair growth pattern.
BZH38T	Similar	The hair texture and color are similar.
CKPXLT	Similar	Similar hair tone and style and, side hairline shape.
CUYZ8T	Similar	
D2QZYQ	Similar	known image has feature cut off, appears to be similar color
DA6QFC	Not Applicable	

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Image Set Q9: Table 4.9(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Similar	Hair – Subjects have unruly brown hair with consistent hairline and fly away baby hair. Similar hair texture but inconsistent color and style. Known has hair half up and half down revealing the length and frizzy nature of hair. Unknown has hair pinned up so it appears to be a darker brown, lighting may have contributed to this factor.
EGYH2B	Inconclusive	Not full view
ELRHHR	Inconclusive	hair pattern not visible
FBEYWM	Similar	
FZRJT8	Similar	The hair is of similar style, pulled back behind her head, in both. It also appears to be similar color and texture.
H2WQ96	Similar	Colar and texture appear similar as well as the hairline on the sides.
HFB7XM	Similar	Same texture. Shape of the lateral hairline.
HRQ6L4	Similar	similar color, length, density, placement, and style.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Unable To Compare	
K3KWNM	Similar	Hair is similar in color/texture.
KEBXX2	Similar	The top of the known's head is not captured but from what is viisible, similar in texture and color
KHWG47	Similar	
L7ZVC2	Similar	Hair similar color and texture. Hair growth patterns and hairline very similar between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	hair is pulled back in both, top part of head in known is cut off so can't see full hairline, what's visible on the left/right side is similar, color is similar, texture is similar
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Similar	The hair of both known and unknown individuals is a consistent texture, medium-red brown color, and pulled back, close to the head as if the hair is straight, long and in a ponytail. There are light, short wispy hairs on the side of the head above ears that is consistent in both known and unknown images. The image of the known individual is cropped just below the hairline and therefore the shape and contour of the hairline is not visible.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Right and left side hairline appear similar in shape; hair appears similar darkness in color and style from what is visible; appears some variation in tone in U, not present in K, may be due to aging/intentional alterations.

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Image Set Q9: Table 4.9(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Similar	Tone of the hair appears to be similar. The curvature of the hairline is similar on the sides, unable to compare the top due to it being cutoff on the known. Texture of the hair appears to be similar.
PVM3BV	Similar	hair appears to be similar in color and texture - hairline of the known is not visible
PWHKDW	Inconclusive	hairline from what is visible is similar, but difficult to compare otherwise
PWYRHE	Similar	same color
PX9LGZ	Similar	The hair texture and colour seem similar. Hairline cannot be compared.
PY46H2	Similar	Sides only. Limited by crop.
Q49MUY	Similar	
QTWDAF	Similar	The hairline (where visible) appears to have a similar rounded shape with a slightly thicker portion around the temples on both subjects. The hair texture appears to be similar however the color differs – but this could be due to grooming or lighting.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Similar	Both have hair pulled back, and cant see top of head of known. Hair texture and tone appear similar. Side hairline curvatures are similar in known and unknown.
TBLBPC	Similar	
U6E77R	Similar	similar color and texture
U778AU	Unable To Compare	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Limited visibility in the known. Similar color, texture, and thickness. Left/right hairlines are similar.
XQMJNP	Similar	Both subjects have a light brown or dark blonde hair color. Both subjects have their hair pulled back.
XTNLEQ	Similar	Hair Shape/spatial distribution - Texture - Symmetry - Density - Tonality / Hairline right side Hairline left side
XYERF8	[Not Reported]	Similarities (visible portions): Hair: texture, density, tonality, Hairline right side: shape, Hairline left side: shape - Not comparable: Hair: shape/spatial distribution, Forehead hairline: shape, Cranial baldness pattern: shape, distribution (limited visibility)
XYJ9D7	Unable To Compare	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Hair		Total Participants: 61
Response	Percent Reported	
Similar	48 (78.7%)	
Dissimilar	0 (0.0%)	
Inconclusive	7 (11.5%)	
Unable to Compare	4 (6.6%)	
Not Applicable	2 (3.3%)	

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Image Set Q9: Table 4.9(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable to fully compare due to top of forehead not being captured in known; similar forehead and brow ridge prominence; similar facial mark present above the right eyebrow in similar relative location; two similar faint frontal lines present in similar relative location
34T74N	Similar	
3LFL7K	Similar	The forehead of both is very similar in shape, width, height and skin texture.
3M7MAM	Inconclusive	The known person's forehead is partially obscured, but the visible portion appears similar.
4T9DRJ	Similar	Can't see top of known hairline. Similar cranial vault area.
6JZ4ZJ	Similar	shape ,Relative height ,Relative width , Brow ridges ,Prominence , Continuity
7B6GQY	Inconclusive	
7PHQBF	Similar	The shape of the forehead appears to be similar. The contour of the forehead appears to be consistent between the two images. The length of the forehead appears to be similar.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Width and length does appear consistent. Distance from brow to top of hair line on the sides of the head on the temple areas, appears consistent. Consistent marking/bump on the right side of the forehead/above the right brow. There also appears to be a consistent linear short scar in the center of the forehead that is present in both images.
9GLTHW	Similar	despite part of the known's not being captured in the image, the overall shape, size, and height appear to be similar; rounded contour and smooth musculature are similar; brow ridge prominence and rounded shape are similar; both have numerous facial marks distributed throughout the entirety of the forehead that are similar in shape, light brown pigmentation, and location, specifically the clustering around the hairline; there is a small skin-toned facial mark above the right brow that is consistent between the known and unknown
9KFMFY	Similar	similar brow ridge prominence; similar relative width to forehead
9U4MPG	Similar	
AKVB9D	Similar	indented area between eyebrows/nasal root, wide round forehead, slight widows peak at hairline., prominent brow ridge at eyebrows
B2Z6FC	Similar	Both have a forehead without creases. Similar width
BZH38T	Similar	The shape of the forehead is similar.
CKPXLT	Similar	Similar forehead width and brow ridge prominence.
CUYZ8T	Similar	
D2QZYQ	Similar	known image has feature cut off, marks throughout which appear similiar in location and relationship

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Image Set Q9: Table 4.9(e) - Forehead

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	Similar	Forehead – Consistent size and shape seen in both foreheads which appear fairly flat. Same four illumination area can be seen with just below hairline in line with medial eyebrows and directly above eyebrow arches. There appears to be a bump and/or pimple directly leading into left slanted facial mark, depression, scar, and/or indentation that ends in the center of subjects brow ridge.
EGYH2B	Inconclusive	Not full view
ELRHHR	Inconclusive	for known profile, the forehead is cropped
FBEYWM	Similar	
FZRJT8	Similar	The forehead appears to be of similar size and shape with a similar facial mark above her right eye in both.
H2WQ96	Similar	Width appears similar. Known image is cut off at the top so cannot see height of forehead.
HFB7XM	Similar	
HRQ6L4	Similar	similar width, shape, and prominence
HUCPQ8	Similar	
HYQFYM	Similar	Similarly sloped, high, and smooth.
JL2M67	Similar	
K3KWNM	Similar	Forehead is similar in length/width/shape. Facial markings are similar in size/shape/color/location. Frontal lines are not visible in the Known.
KEBXX2	Unable To Compare	The top part of the known's forehead is not captured but the overall shape seems visible
KHWG47	Similar	
L7ZVC2	Similar	Forehead marks, creases and shapes are consistent across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape/size is similar, mark on the right side above eyebrow is similar, frontal lines are similar – easier to see in the unknown due to lighting, more freckles appear on the unknown but that is due to age/lighting, brow ridge is similar
LQZ4DH	Similar	Forehead shape
P6CLXG	Similar	
PD3BCW	Similar	Height and curve of forehead appears consistent. Consistent shape, shadowing, structure, width and length of the foreheads of both known and unknown individuals.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Forehead appears similar in relative width; similar in slope from what is visible; cannot determine relative height; brow ridge prominence appears similar from what is visible behind glasses in U.

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Image Set Q9: Table 4.9(e) - Forehead

WebCode	Observation	Feature Notes
PRMQFV	Similar	Forehead has a similar level of protrusion. The shape of the forehead is similar. Subjects have a similar luminance above the eyebrows.
PVM3BV	Similar	visible portion of the known forehead appears to be similar to the unknown - facial marks can be seen throughout the forehead in similar locations that are similar in size and color between subjects
PWHKDW	Similar	mark on the forehead above right eyebrow that is present in both unk and k.
PWYRHE	Similar	broad
PX9LGZ	Similar	Width and brow ridges seem similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The forehead appears to have a similar width. The height is likely similar however the upper portion of the forehead is cropped out of the picture.
QYFHZU	Similar	The known image is cropped below the hairline. Of what can be seen, the shape is similar in width and the hairline is similar.
R273NE	Similar	Both have similar size and shape of foreheads. Similar contouring and roundedness in both foreheads. Similar faint frontal line positions
TBLBPC	Similar	
U6E77R	Similar	appears to be similar height/width
U778AU	Unable To Compare	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	~*~Forehead~*~ The top of the known's head is cropped in the image, but based on what is visible, the width and shape are similar. Similar prominence and placement of brow ridges.
XQMJNP	Similar	Both subjects have a tall forehead, with a similar brow line.
XTNLEQ	Similar	Forehead shape - Relative height Relative width - Brow ridges - Prominence - Continuity
XYERF8	[Not Reported]	Similarities: Forehead shape: relative width, slope/contour, Brow ridges: prominence, continuity - Not comparable: Forehead shape: relative height (out of frame)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Forehead		Total Participants: 62
Response	Percent Reported	
Similar	56 (90.3%)	
Dissimilar	0 (0.0%)	
Inconclusive	4 (6.5%)	
Unable to Compare	2 (3.2%)	
Not Applicable	0 (0.0%)	

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Image Set Q9: Table 4.9(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unknown is wearing glasses that are partially covering; similar asymmetrical shape with a small dip in the hair growth on the upper portion of the left eyebrow; similar medial distance between the eyebrows; similar faint glabellar lines present to the medial sides of the both the left and right eyebrows
34T74N	Similar	Partially UC.
3LFL7K	Similar	The eyebrows appear similar in texture, color and style. Their location in relation to the eyes is consistent.
3M7MAM	Similar	Similar eyebrow shapes.
4T9DRJ	Similar	eyebrows are similar position and shape.
6JZ4ZJ	Similar	Overall shape, size, position
7B6GQY	Similar	
7PHQBF	Similar	The growth pattern of the eyebrows appears to be similar between the probe and candidate. The thickness of the eyebrows also looks to be similar as well.
89T2WX	Similar	The shape is similar, with the left inner corner of the eyebrow higher and asymmetrical similarity
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in color and shape. Above the right brow is a consistent bump/mark. Where the brows start near the bridge of the nose appears rectangular and consistent. The left brow appears to have a small curve in the hair growth in both known and unknown images.
9GLTHW	Similar	part of unknown's brows are covered by the glasses frames, however the portion that is visible indicates that the brows are consistent in compact length, thickness, and asymmetric shapes, as the right is a uniform curve, whereas the left is relatively linear in shape; approx. distance between the medial ends, distance above the eyes, and lateral end location with respect to the hairline are similar; very faint vertical glabellar lines are similar in their proximity to the medial ends, inward curved shape, and length, as well as forming a triangular-ish shape with the nasion crease
9KFMFY	Similar	part of eyebrows of Unknown(2) covered by frames of glasses; visible curve/thickness/shape of eyebrows is similar; similar distance between medial ends of left/right eyebrows
9U4MPG	Inconclusive	
AKVB9D	Similar	right eyebrow originates over medial canthus, left eyebrows originate before medial canthus
B2Z6FC	Similar	Hard to compare due to unknown wearing glasses. Both appear to have a left eyebrow that curves downward in the middle.
BZH38T	Similar	The shape and the color of the eyebrows are similar.
CKPXLT	Similar	Similar eyebrow shape, size, density and distribution.
CUYZ8T	Similar	
D2QZYQ	Similar	some of unknown image is obscurred by glasses, shape appears similar

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Image Set Q9: Table 4.9(f) - Eyebrows

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	Similar	Eyebrows – Subjects have uneven eyebrows with the left appearing to have a more even distribution of hairs. Right eyebrow is almost straight with little to no arch; and has break in hair, possible scar, at iris just prior to end of eyebrow. Left eyebrow has an increase in hair density in the center of eyebrows, creating the illusion of an arch. Known one has a higher arch angle for left eyebrow which may appear this way because of Unknowns glasses.
EGYH2B	Similar	
ELRHHR	Similar	same geometric measurement, length, position, density, texture, and color
FBEYWM	Similar	
FZRJT8	Similar	The eyebrows appear to be of similar size, shape, and distance from each other in both.
H2WQ96	Similar	Unknown's are partially covered by glasses, but from what is showing, they seem similar in shape and fullness.
HFB7XM	Similar	Asymmetrical eyebrows, left brow superior placed. Right brow arched, left brow more angular.
HRQ6L4	Similar	similar length, tilt, density, and positioning; slightly different color possibly due to lighting.similar length, tilt, density, and positioning; slightly different color possibly due to lighting.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color, texture and shape.
JL2M67	Similar	
K3KWNM	Similar	Eyebrows are similar in size/shape/location/contour/thickness/dark color.
KEBXX2	Similar	The unknown's glasses partially obscure the eyebrows but from what is visible, they seem to start in the same place as the knowns and be approximately the same length and width
KHWG47	Similar	
L7ZVC2	Similar	Eyebrows have similar angles, coloring, shapes and plaement/ hairgrowth across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	some of eyebrows is covered by glasses in the unknown, distance apart is similar, vertical glabellar lines are similar, color is similar, distance to eyes is similar
LQZ4DH	Similar	Right and left eyebrow
P6CLXG	Similar	

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Image Set Q9: Table 4.9(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Similar	The eyebrows of known and unknown are consistent in placement, width, texture, growth pattern and shape. Both known and unknown have short, wide eyebrows that do not extend beyond the natural brow line horizontally. The brow of both known and unknown are slightly overhanging, creating a shadow over the eyes. The hair growth of the eyebrows of both known and unknown appears to begin at the peak of the brow ridge and angle downward towards the lateral canthas, similar in shape to a bent finger. In each image the eyebrows appear to be a light-medium color
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyebrows appear similar in width apart/asymmetry/start and end point/growth pattern.
PRMQFV	Similar	Eyebrows partly covered by glasses on the unknown. The distance between the brows are similar. The tails end in similar locations. Eyebrows have a similar arch. Thickness of the brows is similar. Growth pattern appears to be similar.
PVM3BV	Similar	brows appear to be similar in shape, size and contour along the brow ridge - thickness of the hair growth appears to be similar - color of the brows appear to be similar between subjects - creases between the brows appear to be similar between subjects
PWHKDW	Similar	eyebrows are similar length and thickness.
PWYRHE	Similar	semi-crowded
PX9LGZ	Similar	The shape, texture, start and endpoint seem similar.
PY46H2	Similar	Limited visibility due to eyeglasses worn by unknown
Q49MUY	Similar	
QTWDAF	Similar	The eyebrows appear to have a similar asymmetry. The right brow is more medial on both subjects. The left brow is more squared than the left on both subjects. The lateral portions of the brows appear to in a similar relation to the lateral canthi on both subjects.
QYFHZU	Similar	The eyebrows are the same shape and size.
R273NE	Similar	similar high peak in left eyebrow at medial end in known and unknown, similar thickness of both brows for both, similar starting position at medial ends of both brows
TBLBPC	Similar	
U6E77R	Similar	similar length/width/thickness/shape. Lateral eyebrow vertical end position relative to medial eyebrow vertical position similar in right and left eyebrows.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar eyebrow width and asymmetrical shape. Similar lateral and medial vertical eyebrow position. Right eyebrow is flatter, left brow has a more angular arch that bends down outside the lateral canthus. Similar hair length, color, and density

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Image Set Q9: Table 4.9(f) - Eyebrows

WebCode	Observation	Feature Notes
XQMJNP	Similar	Unknown eyebrows are partially covered by glasses. The colloring and shape of the eyebrows appears similar on both subjects.
XTNLEQ	Similar	Overall shape, size, position
XYERF8	[Not Reported]	Similarities (visible portions): Shape, Size, Position, Density of hair, Hair details, Asymmetry - Not comparable: Conjoined (not observed)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Eyebrows

Total Participants: 62

Response	Percent Reported
Similar	61 (98.4%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar dark eye color; similar overall size and shape; similar relative size and location of the irises; similar orbital depth; similar medial canthi shape and prominence; similar lateral canthi shape, but knowns are slightly more prominent; similar superior palpebral crease shape and prominence; similar inferior palpebral crease shape and relative location to one another, but known's are slightly more prominent (could be due to lighting difference); similar crow's feet lines in shape and relative location, but known's are slightly more prominent (could be due to lighting difference)
34T74N	Similar	
3LFL7K	Similar	Both known and unknown subjects' eyes are consistent in spacing, distances from medial and lateral canthus, pupil distances, and creases on the upper and lower lids.
3M7MAM	Similar	Similar eye shapes.
4T9DRJ	Similar	similar eyes, position and distance between both medial canthuses.
6JZ4ZJ	Similar	Intercanthal distance Interpupillary distance, Right eye fissure opening Left eye fissure opening, upper eyelid prominence
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the eyes appears to be similar between the probe and candidate. The lateral canthus along with the medial canthus appears to be similar in shape. The eye fissure of the probe and candidate looks to follow a similar path.
89T2WX	Similar	The shape is similar, but there are differences in the wrinkles at the outer corners of the eyes and under the eyes
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in almond shape. The shape of the canthus and the placement in relation to the bridge of the nose is also consistent. There are a few small creases/wrinkle's and coloration/shadowing under the eyes that are consistent as well. The upper lid is thin and the crease is consistent.
9GLTHW	Similar	approx. intercanthal distance and degree hoodedness are similar; shape, small size, sclera to iris ratio, and leveled alignment are consistent; elongated nature of medial canthi is similar; shape and prominence of superior palpebral crease are similar; known appears to have more creases beneath the eye and they are more prominent, however this difference could be attributed to the coverage of unknown's apparent makeup application; periorbital creases appear to be similar in quantity, location, length, and prominence
9KFMFY	[Not Reported]	Unknown(2) is wearing glasses; similar shape/size/angle of left/right medial canthi; similar intercanthal distance; similar shape/curve to left/right superior palpebral crease from above medial canthi; creases around eyes of Known(1) slightly more prominent due to expression difference, particularly below the eyes; similar shape/curve to left periorbital crease, more prominent on Known(1) than Unknown(2) due to expression
9U4MPG	Similar	
AKVB9D	Similar	wide set, symmetrical, superior/inferior palpebral creases in both eyes, right and left periorbital creases ,

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Image Set Q9: Table 4.9(g) - Eyes

WebCode	Observation	Feature Notes
B2Z6FC	Similar	Similar distance between the upper lid and the eyebrow for both eyes. Both have a superior palpebral crease. Similar eye color
BZH38T	Similar	The size of eyes and the shape of the superior palpebral crease on the top eyelid are similar.
CKPXLT	Similar	Similar eye and fissure shape, size and angle, medial and lateral canthus shape, size and asymmetry, iris tone, iris diameter relative to eye opening, visible sclera, caruncle size, superior and inferior palpebral crease number and placement.
CUYZ8T	Similar	
D2QZYQ	Similar	creases appear similar in location and curvature
DA6QFC	Similar	
EGJRJR	Similar	Eyes – Overall eye shape and size are similar with iris to sclera ratio is consistent in subjects. Unknown is squinting and wearing glasses in a poorly lit image which preventing proper analysis of eye. Spacing between eyebrows and eyelids are the same as are the size and shape of lower eyelids. Subjects have bird beak shaped medial canthus; superior palpebral crease of left eye start in this area and extends past lateral canthus meeting left lateral orbital line before forming its own line. Subjects have a freckle, mole, and/or mark halfway between tail of subject right eyebrow and hairline.
EGYH2B	Inconclusive	Lighting and Glasses
ELRHHR	Similar	same eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Similar	
FZRJT8	Similar	The eyes appear to be of similar size, shape, and distance from each other.
H2WQ96	Similar	Intercanthal distance, interpupillary distance, shape and angle of eye fissures, shape and angle of inner corner of the eyes all appear similar.
HFB7XM	Similar	Shape and tilt.
HRQ6L4	Similar	similar color, shape, angle, size, and positioning.
HUCPQ8	Similar	
HYQFYM	Similar	Oval fissure, somewhat narrow upper eyelid, superior palpebral crease, light inferior palpebral crease similar.
JL2M67	Similar	
K3KWNM	Similar	Eyes are similar in location/size/shape. Intercanthal distance is similar. Interpupillar distance is similar. Pupil is similar in dark brown color. Eye fissure is similar in shape. Superior palpebral crease is similar in location/size/shape. Inferior palpebral crease is similar in location/size/shape. Medial canthus is similar in size/shape/location. Lateral canthus is similar in size/shape/location. Periorbital crease is similar in size/shape/location. Infraorbital crease is similar in shape/location.
KEBXX2	Similar	The unknown is wearing glasses but the eyes are clearly visible
KHWG47	Similar	

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Image Set Q9: Table 4.9(g) - Eyes

WebCode	Observation	Feature Notes
L7ZVC2	Similar	Eyes are symmetrical and centered in similar fashion between known and unk. Right eye displays similar trapezoidal shape in both known and unk.Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape/size is similar, superior palpebral creases are similar, eyelid appears more in the unknown due to neutral expression, inferior palpebral creases are more visible in the known due to expression, medial canthus is similar, crows feet is similar – the known has more due to expression
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown has consistent, large, light-medium colored eyes that are similar in shape to a semi- circle; flat on the bottom with a round upper eyelid. Orbital eye socket is consistent in shape and size. The superior palpebral crease, upper eyelid, medial canthus, lateral canthus, lower eyelid, eye fissure, pupil, iris and sclera are all consistent in shape, size, placement, color, and protrusion. Additionally, the intercanthal distance is equal and inferior palpebral creases under each eye are consistent with fine lines that are even in placement and amount.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Superior palpebral creases appear similar in shape, appear deeper on K; size of upper eyelid appears dissimilar, may be due to expression/lighting/aging; periorbital creases appear deeper on K; inferior papebral creases appear similar in location, however dissimilar in depth; medial canthi appear similar in shape; lateral canthi appear similar in shape and angle; periorbital eyelid appears similar in size; interpupillary and intercanthal distance appear similar; eye color appears darker in K, may be due to lighting.
PRMQFV	Similar	Shape of the eyes are similar. The fissures have similar openings. Prominence and shape of the left and right medial canthus is similar. Folds of the upper eyelids are similar.
PVM3BV	Similar	eyes appear to be similar in shape and size, creases around the eyes appear to be similar in location but differ in prominence likely due to difference in expression between subjects
PWHKDW	Similar	color difficult to tell based on image quality, but the shape of the eye is rounded.
PWYRHE	Similar	same color
PX9LGZ	Inconclusive	The shape and size are similar. Upper eyelids and creases on upper eyelids are similar. However, due to the facial expression, the lower eyelids appear slightly differenet with more crease on the known image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The intercanthal distance appears to be similar on both subjects. The fissures appear to be similar with a more rounded lateral portion and a thinner medial canthi. The inferior palpebral creases appear to have a similar contour but differ in depth which could be due to the expression change. The periorbital creases and appear to be more prominent on the known however this is likely due to the expression change.

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Image Set Q9: Table 4.9(g) - Eyes

WebCode	Observation	Feature Notes
QYFHZU	Similar	The intercanthal and interpupillary distance are similar. The eye fissure and medial canthus is similar. The upper and lower eyelids are similar with the inferior palpebral crease in common.
R273NE	Similar	Eye shapes and sizes are similar. Known and unknown have similar interpupillary distance. Both have similar medial canthus shapes. Eyelid shapes in both eyes are similarsimilar position of under eye lines under right eye though they are deeper and extend out longer in known.
TBLBPC	Similar	
U6E77R	Similar	similar intercanthal distance. Right eyes have similar medial canthus, as do the left ones. Epicanthic fold is similar in left and right eyes.
U778AU	Inconclusive	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar shape and size. Similar intercanthal distance, with long narrow tapering of the eye fissure to the medial canthus and wider rounded upper eye fissure shape towards lateral canthus. Slightly hooded eyes, but upper eyelid is still visible. Similar shape and appearance of superior palpebral furrow. The appearance of the inferior palpebral crease and infraorbital furrow is inconsistent due to the Known smiling, but the difference is explainable.
XQMJNP	Similar	The overall shape of the eyes is similar on both subjects. There is more upper eyelid visible on the unknown than known. Facial lines under the eyes are more visible on the known.
XTNLEQ	Similar	Intercanthal distance Interpupillary distance Right eye fissure opening Left eye fissure opening upper eyelid prominence
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Interpupillary distance, Eye fissure opening: shape, angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, position in relation to iris/pupil, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, position in relation to iris/pupil, Eyeball prominence, Iris: visibility, diameter relative to eye opening, position relative to eye opening, Medial canthus: caruncle (darker presence), shape, angle, Lateral canthus: shape, angle, Asymmetry - Dissimilarities include: Lower eyelid: visibility of the infraorbital furrow - Not comparable: Upper and lower eyelid: lash characteristics, Sclera: visibility, Iris: irregularity of iris (limited visibility)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Eyes

Total Participants: 61

Response	Percent Reported
Similar	58 (95.1%)
Dissimilar	0 (0.0%)
Inconclusive	3 (4.9%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	known's are appearing more full, but could be due to expression difference
34T74N	Similar	
3LFL7K	Similar	The cheeks of the known are more full than unknown, but the difference may be due to a difference in expression. Overall, the cheeks appear similar in prominence.
3M7MAM	Similar	Facial expressions cause variations in cheek prominence.
4T9DRJ	Similar	cheeks similar but for expressions.
6JZ4ZJ	Unable To Compare	Image A with smile and Image B no smile makes it difficult to judge
7B6GQY	Similar	
7PHQBF	Similar	The candidate appears to have fuller cheeks compared to the probe, but there is an expression change between the probe and candidate.
89T2WX	Similar	The shape is similar, but there are differences in the degree of fullness
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in width and puffiness of the apple area There is a consistent mark on the upper right cheek. The nasal lines that extend from the bridge of the nose and runs along the cheeks are also consistent in length and placement.
9GLTHW	Similar	overall shape and size are similar, however known's appear to be fuller but this could be due the smiling expression displayed or a weight difference; cheekbones are similar in high placement and angle
9KFMFY	Similar	similar shape/size of cheeks
9U4MPG	Similar	
AKVB9D	Similar	smooth cheeks, high cheeckbones
B2Z6FC	Similar	Both have cheeks without creases or facial marks. Hard to compare due to different facial expressions
BZH38T	Inconclusive	A conclusion cannot be made because one person is smiling.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Similar	expression changes some of shape
DA6QFC	Similar	
EGJRJR	Similar	Cheeks – Known appears to have illumination area in apple of cheeks which maybe obscured in Unknown due to glasses worn by subject. Subjects have a freckle, mole, and/or mark on right cheek in line with hairline peak, and several freckle, mole, and/or marks that are clustered on left cheek in line with mouth. freckle, mole, and/or mark cluster show consistent size, shape, location, and same distance between each other.
EGYH2B	Inconclusive	Expression

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Image Set Q9: Table 4.9(h) - Cheeks

WebCode	Observation	Feature Notes
ELRHHR	Similar	same in shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The cheeks appear to be of similar size and shape
H2WQ96	Similar	Shape and fullness appear similar. Different facial expressions can account for known's cheekbones being more pronounced.
HFB7XM	Similar	
HRQ6L4	Similar	similar contour, prominence, and shape, accounting for slight difference due to smiling expression in known image.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in texture and fullness.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in size/location/shape. Known is more prominent due to smiling.
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Cheeks in both known and unk have higher cheekbones and unblemished.
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	cheeks appear fuller in the known due to expression, both have some red tint to the cheeks, length appears longer in the unknown due to expression and proximity to camera, dark spot on the lower left side near mouth is similar
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Similar	
PD3BCW	Similar	Unknown and known's cheeks have a consistent round shape, with similar weight and fullness, that are mostly unremarkable. The known image has raised, fuller looking cheeks due to the smiling expression on the face. Known's mouth is open, lips are stretched and extended, causing the tissue and muscles in the cheeks to raise. Unknown's mouth is closed with a neutral expression but the contour, size, skin texture, tone, color and overall shape of the cheeks are consistent to the cheeks of the known image.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Cheekbones appear more prominent in K, may be due to expression; soft tissue appears similar in shape; presence of indentation in both, deeper on K, may be due to expression.
PRMQFV	Dissimilar	Cheeks are more pronounced on the known, possibly due to the difference in facial expressions.
PVM3BV	Dissimilar	cheeks appear to differ slightly in fullness - this could be due to expression difference and the difference in lighting causing a shadow to be cast over the face of the known

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Image Set Q9: Table 4.9(h) - Cheeks

WebCode	Observation	Feature Notes
PWHKDW	Inconclusive	Due to facial expression, more difficult to compare, but the shape of the face and cheeks appear to be similar with no obvious differences
PWYRHE	Inconclusive	different due to the incidence of the photo
PX9LGZ	Inconclusive	Due to the facial expression, the cheeks appear more chubby on the known image.
PY46H2	Dissimilar	Known fuller, cheekbones more prominenet (expression?)
Q49MUY	Similar	
QTWDAF	Similar	The cheeks appear to have a similar shaping with different fullness which is likely due to the change of expression. The cheekbones appear to be prominent on both subjects.
QYFHZU	Similar	
R273NE	Similar	Similar shapes and sizes in both cheeks. Known has more protrusion toward top of cheeks but is due to smiling and unknown isn't
TBLBPC	Similar	
U6E77R	Similar	right cheeks similar in prominence as well as left.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Shape is similar. Cheek bones are not prominent. Known's cheeks are fuller and lifted from smiling.
XQMJNP	Similar	Known cheeks appear fuller due to expression change (open smile). Overall shape of cheeks is similar on both subjects.
XTNLEQ	Unable To Compare	Difficult to judge since Image A with smile and Image B no smile
XYERF8	[Not Reported]	Similarities: Cheekbone prominence - Dissimilarities include: Cheek shape (potentially due to expression) - Not comparable (not observed): Dimples
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Similar	

Features Observations Response Summary - Q9 Cheeks

Total Participants: 61

Response	Percent Reported
Similar	45 (73.8%)
Dissimilar	5 (8.2%)
Inconclusive	9 (14.8%)
Unable to Compare	2 (3.3%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar nasal root, bridge and tip width (despite expression difference); similar nasal alae shape and attachment; similar columella shape and width; similar nostril shape and size despite expression difference; similar bulbous shape and prominence to the nasal tip compared to the nasal alae; similar nasolabial folds in shape with the known's appearing more prominent due to expression difference
34T74N	Similar	
3LFL7K	Similar	Both known and unknown subjects' noses are similar in shape, including the nostrils, columella, tip, width and length.
3M7MAM	Similar	Similar nose shapes.
4T9DRJ	Similar	similar nose nasal tip and ala, similar nostrils.
6JZ4ZJ	Similar	Overall shape Length or width or both Prominence in most nose components
7B6GQY	Similar	
7PHQBF	Similar	The shape of the nasal base appears to be similar between the probe and candidate. The shape of the nasal tip appears to be consistent between the probe and candidate. The shape of the nostrils appears to be similar between the probe and candidate. The thickness of the alas between the two images appear to be similar.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in length and width of the bridge of the nose. The small nostrils are also consistent with a consistent light shading/dimple on each nostril. The boxiness of the tip of the nose is also consistent. The thickness of the columella is the same. The relation of the nostril placement to that of the upper lip is similar.
9GLTHW	Similar	overall cone-like shape, size, and degree of protrusion are similar; width of nasal bridge, width, short length, and straight shape of nasal body, “v” shape and prominence of nasal tip, shape, width, and thickness of the columella, and small size, asymmetric shape of the nostrils, and ala thickness, curved shape, and attachment location with respect to the columella are all consistent; nasal base width is dissimilar, as known’s appears to be wider, but this can be attributed to expression differences; unknown’s nasolabial folds are very faint, however they still appear to be similar in asymmetric shape and length, as they both slant outward, but then the left curves around the mouth, whereas the right creates an angular shape and connects with the marionette line; known’s nasolabial folds are more prominent, but this can be attributed to smiling expression
9KFMFY	Similar	similar bulbous shape of nasal tip; similar shape/curve of left/right nostrils; similar shape/thickness of left/right alae; similar shape to outline of nasal body
9U4MPG	Similar	
AKVB9D	Similar	indented area both sides of nasal tip
B2Z6FC	Similar	Both have a similar shaped nasal tip and alas. Nasal body is similar in thickness

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Image Set Q9: Table 4.9(i) - Nose

WebCode	Observation	Feature Notes
BZH38T	Similar	The shape and the length of the nose are similar.
CKPXLT	Similar	Similar nose bridge, body, tip, base and columella shape and, nostrils shape and asymmetry.
CUYZ8T	Similar	
D2QZYQ	Similar	nose tip shape and curvature similar, nostrils similar
DA6QFC	Similar	
EGJRJR	Similar	Nose – Nasal body length, width, and height is consistent in subjects. Both have a nasal tip is rounded slightly pointed towards the right obstructing view of nasal base. Individuals have the same nose ring in right ala which sits slightly higher than left ala. Asymmetrical nostril with left nostril larger than the right possibly due to ala difference.
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width, bridge height, and geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The nose is of similar size and shape
H2WQ96	Similar	Overall shape appears similar. Length and width of nasal body and size of columella appear similar. Nasal base, alae, and nostrils appear wider in known, but this could be due to the difference in facial expressions.
HFB7XM	Similar	Shape of alae and columella.
HRQ6L4	Similar	similar width and shape of nasal root and body, similar length, similar contour and prominence of nasal tip and alae; similar shape and width of columella; similar shape and contour of nostrils; similar width of nasal base.
HUCPQ8	Similar	
HYQFYM	Similar	Narrow nasal root, body, ball-shaped tip and base. Narrow alas and columella.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in similar location on the face. Nasion crease is similar in shape/length/depth. Nasal bridge is similar in width/length. Nasal body is similar in length/width/shape/contour/thickness. Nasal tip is similar in size/shape. Ala are similar in size/shape/thickness. Nostrils are similar in shape/size. Columella is similar in width/shape. Nasal base is similar in width. Nasolabial folds are similar in size/shape/length/depth.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nose body, nasal root and nasal bulb exhibit similarities between known and unk. Sim
L8289G	[No observations reported for this feature.]	

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Image Set Q9: Table 4.9(i) - Nose

WebCode	Observation	Feature Notes
LADNAL	Similar	length of nose is similar nasal base appears wider in the known due to expression, nostril shape/size is similar, bridge is similar, nasal root is similar, nasolabial lines are more visible in the known due to expression, tip of nose is similar in shape/size, columnella is similar in shape/size, ala thickness is similar in shape/size
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have similar nasolabial folds, the nasal body, nasal tip and nasal base of both probe and candidate are all consistent in size, contour, length and placement. Due to the open smile of the known image, the nasolabial folds appear deeper than the flatter appearance on the unknown image but the length, shape and placement are consistent. The tip of the nose, facets and left and right alar rims, form the shape of a "v" that extends down to the columella that is equal in shape and size in both images. The overall shape of unknown and known's nose is proportionate, balanced and has an aesthetically pleasing look. The nasal tip angle has a slight upturn in each image. Although the unkown image has glasses resting across the root of the nose, the width of nose from root to tip is consistent with known image.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Nasal root appears wider in K, may be due to obstruction of glasses in U; similar length and width of nasal body; similar shape and width of nasal tip; nasal base appears wider on K, may be due to expression; alae appear similar in shape; nostrils appear similar in shape; distance from nasal base to upper lip appear dissimilar.
PRMQFV	Similar	Length and width of the nasal body is similar. The Tip of the nose is bulbous on known and unknown. Curvature of the nostrils are similar. Thickness of the columella is similar. Left and right ala connect in similar locations.
PVM3BV	Similar	nose appears to be similar in general shape and size - nasal tips appears to be similar in rounded shape having an indentation in the ala on either side of the nose on both subjects - nasolabial folds appear to be more prominent on the known which could be due to the expression difference, general angle of the nasolabial folds on the unknown appear to be similar to the angle of the known
PWHKDW	Similar	nose shape is similar and length of bridge appears similar
PWYRHE	Similar	Leptorrhic nose.
PX9LGZ	Similar	The shape and length of the nose, and the nasal tip seem similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be flatter on both subjects. The nasal body appears to get wider as it goes inferiorly. The nasal tip appears to be bulbous and irregular on both subjects. The ala appears to have a similar thickness and attachment point. The right nostril appears to be thinner and more pointed than the left. The columella appears to have a similar thickness and asymmetry.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.

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Image Set Q9: Table 4.9(i) - Nose

WebCode	Observation	Feature Notes
R273NE	Similar	similar horinzontal lines going across nasal root, similar width down through body, similar size and shape of nasal tip, indentions at both sides of medial ends of alases in known and unknown
TBLBPC	Similar	
U6E77R	Similar	similar overall shape, length and width, and prominence. Similar nasal root in width and depth.Alae (wings of nose) are similar in thickness and symmetry. Columella is similar in width and length.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	The nose is similar. The nasal outline is similar. The nasal root is a similar width. Nasal body is a similar length, width and shape; difference in lighting is highlighting the nasal body of the Unknown causing it to appear taller and more prominent. Similar rounded nasal tip. Nasal base is wider in the Known, but I think this is due to the expression difference; smiling is making the columella and alae wider. Similar asymmetry in the nostrils - right nostril is more narrow and triangular, left nostril is wider and oval/rounded.
XQMJNP	Similar	Both subjects have a skinny nose; the shape of the tip of the nose is similar on both subjects; the nostrils are the same size and shape on both subjects.
XTNLEQ	Similar	Overall shape - Length or width or both - Prominence in most nose components
XYERF8	[Not Reported]	Similarities include: Nasal outline: shape, length, prominence, Nasal root: width, length, shape, depth, angle (visible portions), Nasal body: width, length, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Columella: width, length, relative position, Asymmetry and deviation, Dissimilarities: Nasal outline: width (potentially due to expression/pose) - Not comparable: Nostrils: shape, size, hair (limited visibility due to shadow/obstruction)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Nose	Total Participants: 62
Response	Percent Reported
Similar	62 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall shape and size of both the left and right ears; both individuals have one piercing per ear in similar relative location; similar definition of the helix compared to the anti-helix and lobe in both ears; similar shape and prominence of the anti-helix in both ears
34T74N	Similar	
3LFL7K	Similar	The helix, antihelix and lobes of both ears are visible on the known and unknown subjects. These features appear almost identical.
3M7MAM	Similar	The visible contours of the ears appear similar.
4T9DRJ	Similar	same shape of ears on left and right, curve similar
6JZ4ZJ	Similar	Left Ear: lobe, helix, antihelix, ear caphoid fossa Right Ear: antihelix , helix , Lobe
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the right ears appears to be similar between the probe and candidate. The shape of the lobe of the right ears appears to be similar between the probe and candidate. The shape of the anti-helix as well as the helix of the right ears appears to be consistent between the two images.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Placement and length on the sides of the head appears consistent. The helix and antihelix shape and width appears similar in both images. The curve in the helix is consistent. The lobe thickness also appears similar. The tragus shape and placement is also consistent.
9GLTHW	Similar	overall shape, size, alignment/position on the face, and lack of protrusion are similar; relatively similar shape and thickness of the helices and asymmetric shape of the anti-helices, with the left a smooth curve and the right an irregular, “bumpy” linear shape, are consistent; upper portion of the ears are also similarly covered by the hair; lobe shape, size, thickness, and attachment all appear to be similar
9KFMFY	Similar	similar curve/thickness to left helix; what is visible of shape of curve of right helix appears similar; similar shape/protrusion of left/right antihelix; similar shape/protrusion to left/right antitragus; similar overall shape to left/right lobes
9U4MPG	Similar	
AKVB9D	Similar	indention at the antihelix/lobe connection of left ear
B2Z6FC	Similar	Similar shaped helix and antihelix. Ears are close to the head in both. Both have a possible mark on the left antihelix
BZH38T	Similar	The shape of the ears is similar.
CKPXLT	Similar	Similar overall ear shape and angle, left upper helix thickness, antihelix shape and prominence and ear lobe shape and size.
CUYZ8T	Similar	
D2QZYQ	Similar	shape and curvature similar

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Image Set Q9: Table 4.9(j) - Ears

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	Similar	Ears – Overall ear size is similar with consistent lobe thickness. Subjects lobes appear to be attached and protrude out and up slightly. Due to Known's hair ears are not fully visible proper analysis for further comparison.
EGYH2B	Similar	
ELRHHR	Similar	same shape and earlobe
FBEYWM	Similar	
FZRJT8	Similar	The ears appear to be of similar size and shape
H2WQ96	Similar	Size, shape, protrusion at the tips, and size and shape of antihelix of both ears appears similar.
HFB7XM	Similar	Shape of helix and antihelix. Relatively long lobes.
HRQ6L4	Similar	similar shape and contour of helix, antihelix, and ear lobes.
HUCPQ8	Similar	
HYQFYM	Similar	Similar helix, antihelix and elongated lobe.
JL2M67	Inconclusive	
K3KWNM	Similar	Ears are placed in a similar location on the head. Helix is similar in size/shape/contour. Anti-helix is similar in size/shape/contour. Superior Crus of Antihelix is similar in size/shape. Scaphoid Fossa is similar in size/shape. Lobe is similar in shape/size.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Left antihelix of both known and unk has similar shaping. Lobes are both unattached. Pinna shows similar shaping in known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size of ears are similar, some hair is slightly covering the top of right ear in known, ear lobes size/shape is similar, both have earrings in, helix size/shape is similar, placement on head is similar, antihelix on the left side is similar – right side isn't visible in the known
LQZ4DH	Similar	Overall shape and protrusion, Helix, Anthehelix, Lobule (Lobe)
P6CLXG	Similar	
PD3BCW	Similar	Ears of the known and unknown images appear consistent in size, shape, placement, and protrusion from head. The contour of the helix, antihelix, earlobes, posterior auricular furrow, and antitragus are all consistent in contour, size and shape on both right and left ears of probe and candidate. Both images have earrings on the lower earlobes that are equal in number and placement on the lobes.
PGNVGZ	Similar	

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Image Set Q9: Table 4.9(j) - Ears

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Left helix, antihelix, antitragus, scaphoid fossa, and lobe appear similar in shape/protrusion/thickness, presence of piercing in both; right helix, antihelix, antitragus, and lobe appear similar in protrusion/shape/thickness, appears presence of piercing in both. Protrusion in both ears appear similar.
PRMQFV	Similar	Curvature of the left and right helix is similar. Antihelix has a similar prominence and curvature. The curvature of the ear lobes are similar. Ears appear to protrude in a similar way. Both subjects are wearing earrings.
PVM3BV	Similar	general outline of the ears appear to be similar - the relation between the helix and antihelix appear to be similar between both subjects on both ears
PWHKDW	Similar	shape is similar
PWYRHE	Similar	Compatible helix, antihelix, and lobe
PX9LGZ	Similar	The helix shape and earlobes seem similar.
PY46H2	Similar	Helix, Anti-helix, lobe. Limited visibility.
Q49MUY	Unable To Compare	
QTWDAF	Similar	The upper portion of the helix appears to have a similar thickness. The helix and antihelix appear to pinch together in a similar area. The lobes have a similar shaping and piercing location on both. The lower portion of the antihelix has a similar notch on both ears.
QYFHZU	Similar	Both ears are similar
R273NE	Similar	Similar sizes and shapes in both ears of known and unknown, similar protrusions of both ears from head in both. Similar earlobe shapes and sizes of both ears, similar helix tops and antihelix shapes
TBLBPC	Similar	
U6E77R	Similar	overall size, shape and angles are similar between the right ears and left ears. Right ears have similar antihelix as well as left ears, and lobes are similar shape.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Ears are similar. Similar shape, length, protrusion, and placement on head. Upper helix and antihelix are asymmetrical between right and left ears. Left upper helix is flat, right upper helix has a small concave area or possibly a tubercle. Left antihelix appears slightly thicker and is curved, right antihelix is flat (almost rectangular) with small bumps on the inferior region. The inferior region of the left antihelix has a darkened triangular area, possibly a notch or a mark. The lobes are long (about 1/3 of overall ear length), and have similar low-sitting ear piercings.
XQMJNP	Similar	Ear shape and size is similar on both subjects.
XTNLEQ	Similar	Left Ear: - lobe - helix - antihelix - ear scaphoid fossa Right Ear: - antihelix - helix -Lobe

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Image Set Q9: Table 4.9(j) - Ears

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities (visible portions): Asymmetry, Ear protrusion, Overall ear: size, shape, angle, Helix: size, shape, Antihelix: size, shape, Lobe: size, shape, attachment - Not comparable (not visible/observed): Tubercles: size, shape, quantity, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: attachment, Abnormalities
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Ears

Total Participants: 62

Response	Percent Reported
Similar	60 (96.8%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	known's mouth appears slightly larger in overall size, but could be due to expression difference; similar upper lip shape and symmetry despite expression difference; similar lower lip fullness and protrusion; the unknown has many lip creases present that aren't visible in the known, but could be due to lighting issues on face
34T74N	Similar	
3LFL7K	Similar	The shape of the mouth on both subjects is consistent, including the philtrum and cupid's bow of the upper lip, the fullness of the lips and the shape of the mentolabial sulcus.
3M7MAM	Inconclusive	Mouth open in known person and mouth closed in unknown person.
4T9DRJ	Similar	mouth hard to compare due to expression difference, but fissure area is similar.
6JZ4ZJ	Similar	Prominence of the Philtrum Overall mouth Upper lip ,shape , Fullness ,Protrusion, Symmetry ,Upper vermilion border shape Lower lip ,Shape , Fullness ,Protrusion, Symmetry, Lower vermilion border shape and definition
7B6GQY	Similar	
7PHQBF	Similar	There is an expression difference between the probe and candidate. The candidate is smiling while the probe has a neutral expression. The fullness of the lower lips appears to be similar between the probe and candidate. The shape of the upper vermillion border appears to be similar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	The known image has an open mouth smile with upper teeth visible while the unknown has a closed lip expression. The thickness of the upper and lower lips is consistent. The shape of the cupid’s bow appears similar. The distance from tip of the nose to the upper lip appear similar. The outer edge of the lips appears consistent in lined/coloration.
9GLTHW	Similar	despite differences in expression, overall shape and size appear to be similar; “M” shape of the upper vermillion border and curvature of the lower vermillion border are similar; lip thickness is consistent, however color is dissimilar, but this can be attributed to the unknown’s application of lipstick; philtrum shape is similar, but length and width/depth appear to be dissimilar, as known’s is shorter and wider/more shallow, but this can be attributed to a slight difference in pitch and expression differences; mentolabial sulcus is similar in curved shape, prominence, close proximity to lower lip, and short length; unknown has a facial mark above left end of mentolabial sulcus that is raised and pink in color that is not visible on the known, but this can be attributed to time difference , lighting, or sun exposure differences; the lump beside the left nasolabial fold is similar in shape and size, however the known’s is less noticeable due to expression
9KFMFY	[Not Reported]	difference in expression, mouth of Known(1) is open with upper teeth visible in smiling expression while Unknown(2) has mouth closed in more neutral expression; similar shape/curve of upper/lower vermilion border; similar v-shape to cupid’s bow; similar shape/fullness to upper/lower lips
9U4MPG	Similar	

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Image Set Q9: Table 4.9(k) - Mouth

WebCode	Observation	Feature Notes
AKVB9D	Similar	difference in expression. similar shape mouth fissure, upper and lower vermillion lines
B2Z6FC	Similar	Both have a well defined cupids bow. Both have similar shaped lips and lower lip thickness
BZH38T	Unable To Compare	The mouth cannot be compared because one person is smiling.
CKPXLT	Dissimilar	Dissimilar mouth and fissure shape and size, upper and lower lip tone, shape and size and, teeth and gums shape and tone.
CUYZ8T	Similar	
D2QZYQ	Similar	cupids bow similar, relationship to nose similar
DA6QFC	Similar	
EGJRJR	Similar	Mouth – Both subjects has thin lips with a fuller lower lip than upper lip. Freckle, mole, and/or mark above left alae is more pronounced in Known than Unknow possibly due to lighting, image quality and expression difference in subjects. Consistent hair, line, and/or facial mark seen on lower vermillion boarder left of center.
EGYH2B	Similar	
ELRHHR	Similar	different expression but same shape and texture
FBEYWM	Similar	
FZRJT8	Similar	The known's mouth is open due to her expression. The vermilion boarder and cupid's bow appear similar
H2WQ96	Similar	Lip shape and fullness appear similar, but wider in the known due to a difference in facial expressions. Mentolabial sulcus appears similar as well.
HFB7XM	Similar	
HRQ6L4	Similar	similar width; similar contour of upper and lower vermillion borders; similar fullness; similar shape and depth of philtrum.
HUCPQ8	Similar	
HYQFYM	Similar	Similar sized fissure, alae and tubercle of upper lip.
JL2M67	Similar	
K3KWNM	Similar	Mouth is placed in a similar location on the face. Vermillion border is similar in shape/contour. Despite Known smiling show teeth. Upper and lower lips are similar in size/shape/color/thickness. Lip creases on both lips are not similar. The Unknown has much more visible lines. This is due to aging. Philtrum is similar in location/shape/width/length. Marionette lines are similar in location/size/shape.
KEBXX2	Similar	Very prominent cupids bow and philtrum on both
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Similar	Mouth placement and vermillion line are similar. Cupids bow present in both known and unk. Sim
L8289G	[No observations reported for this feature.]	

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Image Set Q9: Table 4.9(k) - Mouth

WebCode	Observation	Feature Notes
LADNAL	Similar	mouth is open with teeth showing in known and in unknown closed with a more neutral expression, philtrum is similar, lip thickness is similar, marionette lines are similar, cupid bow is similar, bottom lip sticks out in both, creases in bottom lip are similar
LQZ4DH	Similar	Overall shape, upper lip, Filtrum, lower lip, labial commissure
P6CLXG	Similar	
PD3BCW	Similar	The overall shape, size, length and fullness of the upper and lower lips is consistent between the known and unknown images. The distance between the upper lip and columella appears consistent even though the known image has an open, wide smile causing the upper lip to be closer to the base of the nose. The philtrum, philtral ridges and vermillion border are consistent, along with a cupid's bow that is consistent in shape to that of and angular letter "m", distinct "v" shape in the center.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Philtrum appears similar in width and prominence, dissimilar in length; upper and lower vermillion border appear similar in shape; upper appears more prominent in U; fullness appears similar in both upper and lower lips; texture appears similar in lips; tone appears dissimilar, may be due to intentional alterations; mentolabial sulcus appears similar in location/depth.
PRMQFV	Similar	There is a difference in expressions, known is smiling showing teeth and unknown has a more neutral expression. The fullness of the lips appears to be similar. The curvature of the lips are similar. Marionette lines found on the unknown, not found on the known possibly due to the difference in expressions. Philtrum prominent on the unknown, not as prominent on the known possibly due to shadowing in the area.
PVM3BV	Similar	expression of the mouth differs between subjects - thickness of the lips appear to be similar between subjects - vermillion borders of the upper and lower lips appear to be similar between subjects - angle of the corners of the mouth appear to be similar between subjects - left side of the upper vermillion border appears to have a scar like mark on both subjects in a similar location.
PWHKDW	Inconclusive	lip shape is similar
PWYRHE	Similar	Compatible lip corner.
PX9LGZ	Similar	The shape and width of the lips seem similar, and the vermillion boarder of the lips seems similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The mouth appears to have a similar shaping that is elongated on the known due to the expression change. The lower lip appears to be fuller than the upper on both subjects. The philtrum appears to be longer on the unknown however this is likely due to the expression change.
QYFHZU	Similar	The subject's lips are together in the unknown and smiling with lips apart in the known. The size, shape, and placement are similar.
R273NE	Similar	similar top lip shape, similar ala positions of top lip, similar mouth end, similar bottom lip shape and sizes, similar mouth fissure curvatures in know and unknown
TBLBPC	Similar	

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Image Set Q9: Table 4.9(k) - Mouth

WebCode	Observation	Feature Notes
U6E77R	Similar	upper lips are similar in thickness, shape and fullness. upper vermillion is similar in shape. Lower lip is similar in protrusion, shape and symmetry. Lower vermilion border is similar in shape and definition.
U778AU	Inconclusive	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar overall shape, fullness, and symmetry. Philtrum appears shorter and wider in Known, and cupid's bow appears wider and curved in the Known (due to smiling). Mentolabial sulcus shape and distance from lower lip are similar.
XQMJNP	Dissimilar	Known has an open smile causing lips to stretch and outer edges to turn up. Know upper lip is slightly thinner than bottom lip. Know has a cupids bow. Unknown has a neutral expression with slightly "pursed" lips. Unknown upper lip is slightly thinner than bottom lip. The outer edges of the mouth turn down due to expression. Unknown has a prominent cupids bow.
XTNLEQ	Similar	Prominence of the Philtrum Overall mouth Upper lip - Shape - Fullness - Protrusion - Symmetry - Upper Q9-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments. Strong Support for Common Source: noted comparable traits greatly surpass the noted contrasting traits. The nature and extent of the noted similarities and differences in image features are significantly more likely when assuming the images represent the same sources rather than when assuming they represent two distinct sources vermilion border shape Lower lip - Shape - Fullness - Protrusion - Symmetry - Lower vermilion border shape and definition
XYERF8	[Not Reported]	Similarities: Philtrum: prominence, width of ridges, width of furrow, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, fullness, protrusion, lower vermillion border shape, detail, Asymmetry - Not comparable: Lip fissure: shape, degree of contact, angle, Overall mouth: shape (expression), Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities (not visible/observed in one or both)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Mouth

Total Participants: 61

Response	Percent Reported
Similar	52 (85.2%)
Dissimilar	3 (4.9%)
Inconclusive	5 (8.2%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q9: Table 4.9(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall jawline shape and prominence; similar chin shape and prominence; similar shaped and prominent mentolabial sulcous; similar prominent and shaped facial mark present in similar relative location on lower right side of chin
34T74N	Similar	
3LFL7K	Similar	The chins on both subjects are prominent and consistent in fullness. The jawline is very similar, including the gonial angle.
3M7MAM	Similar	The chin contours are basically identical.
4T9DRJ	Similar	chin and jawline has similar angle.
6JZ4ZJ	Similar	Overall shape ,Length or width relative to rest of face , Prominence ,Symmetry , Jawline (from chin to gonial angle), Shape
7B6GQY	Similar	
7PHQBF	Similar	The shape of the jawline appears to be similar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in shape and width. The distance from the bottom lip to the chin is similar. The placement of the mandibular crease is consistent. There is a mark/mole on the right lower side of the chin/jaw area that are in the same location.
9GLTHW	Similar	linear shape, long length, and softness of the jawline are similar; there is a facial mark along the right side of the jawline that is similar in minute size and darker pigmentation; width, height, square-like shape, and prominence of the chin are similar; there is a facial mark on the bottom of the right side of the chin that is similar in raised appearance, skin-toned color, and size
9KFMFY	Similar	similar shape/protrusion of chin; similar curve of jawline to gonial angle
9U4MPG	Similar	
AKVB9D	Similar	angled jawline, small rounded protruding chin
B2Z6FC	Similar	Both have a similar gonial angle and a square chin.
BZH38T	Similar	The jawline is similar.
CKPXLT	Similar	Similar gonial and jawline shape and angle and, chin shape and size.
CUYZ8T	Similar	
D2QZYQ	Similar	similar marks and chin curvature
DA6QFC	Similar	

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Image Set Q9: Table 4.9(I) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	Similar	Chin/Jawline – Soft jawline is consistent in both subject with no sharp angles and double chin present. Unknown also has round chin Knowns however it protrudes, slightly appears narrower, and has a faint dimple and/or depression in the center not a full mental fovea which may be attributed expression and subject's weight and expression difference. Unknown also has facial hair and/or shadowing on double chin which is larger than Known.
EGYH2B	Similar	
ELRHHR	Similar	same shape
FBEYWM	Similar	
FZRJT8	Similar	The chin/jawline appear similar. There is a similar facial mark on both chins
H2WQ96	Similar	Shape of chin and jawline appears similar.
HFB7XM	Similar	Asymmetrical chin, slopes down to the right.
HRQ6L4	Similar	similar contour and prominence
HUCPQ8	Similar	
HYQFYM	Similar	Overall jawline and chin shape similar.
JL2M67	Similar	
K3KWNM	Similar	Chin is similar in size/oval shape/location. Facial marking on the right size of the chin is similar in size/shape/color/location. Mentolabial sulcus is similar in location/size/shape. Unknown has a facial marking mole located on the left on the Mentolabial sulcus that is not present in the Known. Jawline is similar in size/shape. Gonial angle is similar in size/shape.
KEBXX2	Similar	Strong mentoblabial sulcus on both
KHWG47	Similar	
L7ZVC2	Similar	Chin in both has similar angle and rounded with no dimpling. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	mark on the lower right side of chin/jawline is similar, jawline is similar, chin shape/size is similar, mentolabial sulcus is similar, width of chin is similar
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	
PD3BCW	Similar	The contour of known and unknown's jawline, although subtle, appears asymmetrical with the left side of the jaw appearing to be wider/longer than right side. The jaw is equally square in shape with a relatively petite chin. The mentolabial sulcus is consistent in depth and placement under the lower lip of known and unknown images. There is a small, raised mole-like spot on the right, lower portion of the chin that is consistent on both known and unknown images. The chin of both known and unknown images is round in shape, protrudes very slightly and is somewhat reflective of the shape of the cheeks although smaller in size.

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Image Set Q9: Table 4.9(I) - Chin/Jawline

WebCode	Observation	Feature Notes
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears similar in size/shape/protrusion; similar mark on right side of bottom of chin; jawline appears similar in shape and definition; gonial angle appears similar.
PRMQFV	Similar	Chin is rounded on both subjects. The length of the chin is similar.
PVM3BV	Similar	general shape and angle of the chin and jawline appear to be similar - mentolabial sulcus appears to be similar in prominence between subjects - facial mark appears to be similar in size and location on the right side of the chin on both subjects - marionette lines appear to be similar between subjects
PWHKDW	Similar	facial mark on chin in same position in both unk and k
PWYRHE	Similar	same
PX9LGZ	Similar	The jawline is rather sharply angled with a similar protruding chin.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The jawline appears to have a similar strong angle on both subjects. The chin appears to be more pronounced on the right side on both subjects.
QYFHZU	Similar	
R273NE	Similar	similar gonial angles on both sides, similar curvature of jawline on both sides, similar chin shape and size in both known and unknown. Both have mark at similar position on chin.
TBLBPC	Similar	
U6E77R	Similar	overall shape of chin is similar, including the gonial angle and jawline.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Chin and jawline are similar. Superior area of chin is rounded, inferior area of chin is flatter. Slight indication of a chin cleft, but not a distinct one. Similar long angled jawline
XQMJNP	Similar	Both subjects have a similarly shaped chin and jawline.
XTNLEQ	Similar	Chin (profile and frontal view) - Overall shape - Length or width relative to rest of face - Prominence - Symmetry - Jawline (from chin to gonial angle) - Shape
XYERF8	[Not Reported]	Similarities: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Chin/Jawline		Total Participants: 62
Response	Percent Reported	
Similar	62 (100.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	0 (0.0%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q9: Table 4.9(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable to fully compare due to unknown's neck not being fully captured; similar prominent neck crease present in similar relative location; similar prominent facial mark present in similar relative location above the neck crease on the left side of the neck
34T74N	Similar	
3LFL7K	Similar	Only a portion of the unknown subject's neck is visible, but it does appear that the width of the neck is consistent with the known and the visible creases are in the same positions on both.
3M7MAM	Unable To Compare	The neck area of the unknown person is minimally visible.
4T9DRJ	Similar	first neckline from chin similar, mark on neck similar
6JZ4ZJ	Similar	Overall length and width
7B6GQY	Inconclusive	
7PHQBF	Similar	The top wrinkle on the probe and candidate appear to line up with one another.
89T2WX	Similar	The shape is similar, and the neck lines are similar
8FP3RH	Unable To Compare	
8ZX32H	Similar	
93ZDEX	Similar	Appears similar in width. The neck crease also appears consistent in placement. There are consistent marks on the right and left sides of the neck.
9GLTHW	Similar	lower portion of unknown's neck is not captured, however what is visible indicates that the narrowness, length, and musculature are similar; there is one prominent neck crease that spans across that neck that appears to be similar in curvature, depth, and bifurcating to the right
9KFMFY	[Not Reported]	part of neck of Unknown(2) cropped from image of Unknown(2); appears to have similar width of neck; what is visible of neck wrinkles appears to have similar curve/location relative one another
9U4MPG	Similar	
AKVB9D	Similar	long narrow neck, similar wrinkles on right and left side
B2Z6FC	Similar	Both have a similar neck in thickness. Both have a double crease on the right side and single crease on the left side
BZH38T	Unable To Compare	The neck cannot be compared because the neck is not fully visible.
CKPXLT	Similar	Similar neck width and soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Similar	marks similar in both images in location and color, some of feature in unknown is cut off
DA6QFC	Similar	

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Image Set Q9: Table 4.9(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	Similar	Neck – Subject's have short wide necks with 2 creases near base of subject's neck that are an inch apart on left side and gradually reduce to half an inch on right. Known's jawline seems to blend seamlessly into neck, while Unknown also does but expression, lighting, and subject's weight difference may account for the transition not being as flawless.
EGYH2B	Inconclusive	
ELRHHR	Similar	same geometric dimension
FBEYWM	Similar	
FZRJT8	Similar	The size and shape of the necks are similar. There is a similar neck crease on both
H2WQ96	Similar	Width and creases on neck appear similar.
HFB7XM	Similar	Shape and placement of lines on the neck.
HRQ6L4	Similar	similar width and composition.
HUCPQ8	Similar	
HYQFYM	Similar	Similar size and neck wrinkles.
JL2M67	Unable To Compare	
K3KWNM	Similar	Neck is partially cut off in the Unknown. Neck is similar in width. Top neck wrinkle is similar I size/shape/location. Facial marking is similar in size/shape/location/color
KEBXX2	Unable To Compare	Not all of the unknown's neck is captured though they appear to both have neck creases that start in the same area of the upper neck
KHWG47	Similar	
L7ZVC2	Similar	Similar length and angles presented in unk and known. Similar neck lines are visible. Bifurcation of lines on left side of neck clear in both known and unk. Sim.
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	not all of the neck is visible in the unknown due to proximity to camera, width is similar, mark on upper left side is similar, the neck creases that are visible are similar
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	Only the upper portion of unknown's neck, just under the chin and jawline, is visible. There is a line that appears to extend from the left side, going beneath the chin and ends on the right side of the neck that is equal in placement, length and depth.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Neck appears similar in width and similar creases in depth/position/quantity; facial mark on right and left side in both similar in size/shape/color.
PRMQFV	Similar	Neck mostly cutoff on the unknown. Crease on the upper part of the neck is consistent in prominence and location.

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Image Set Q9: Table 4.9(m) - Neck

WebCode	Observation	Feature Notes
PVM3BV	Similar	visible portion of the necks that are in common appear to be similar in relative thickness, creases of the neck appear to be similar - a few mole like facial marks can be seen in the neck region that appear to be similar in location and size
PWHKDW	Inconclusive	What can be seen of the neck in the unk is similar to the known. There is a neck crease that appears to be in the same position, but the neck is not showing fully in the image and therefor a complete comparison cannot be made.
PWYRHE	Similar	Long neck.
PX9LGZ	Similar	The width seems similar.
PY46H2	Similar	Limited visibility due to crop.
Q49MUY	Unable To Compare	
QTWDAF	Similar	The neck appears to have a similar width, wrinkle contour, and mark above the left portion of the neck wrinkle.
QYFHZU	Similar	
R273NE	Similar	Both have similar neck thickness relative to head, similar neck line position and curvature.
TBLBPC	Similar	
U6E77R	Similar	not enough neck showing in the unknown subject to determine length of neck, but width is similar.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Lower portion of neck is cropped in Unknown photo. Width in relation to head width is similar. Part of a distinctly curved crease is similar.
XQMJNP	Similar	Only a small portion of unknown neck is visible. Known has a long neck. On both subjects two facial lines can be seen on the right side and one facial line can be seen on the left side; these are in the same location.
XTNLEQ	Similar	Overall length and width
XYERF8	[Not Reported]	Similarities: Overall neck: width, height, details - Not comparable: Laryngeal prominence: shape, size, prominence, location (limited visibility)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Neck		Total Participants: 60
Response	Percent Reported	
Similar	48 (80.0%)	
Dissimilar	0 (0.0%)	
Inconclusive	3 (5.0%)	
Unable to Compare	8 (13.3%)	
Not Applicable	1 (1.7%)	

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Image Set Q9: Table 4.9(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unknown appears to have very light, fuzzy facial hair on the lower jawline that isn't fully visible on the known, but could be due to lighting issues
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Dissimilar	The person in Image B has hair on the left jawline. Image A has no hairs
7B6GQY	Similar	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Similar	
AKVB9D	Similar	slight fuzzy growth along jawline/cheeks
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Not Applicable	
EGJRJR	Not Applicable	
EGYH2B	Similar	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Similar	Cannot tell if it is image quality or if there is "peach fuzz", either way, it seems to appear on both known and unknown.
HFB7XM	Not Applicable	

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Image Set Q9: Table 4.9(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none
HUCPQ8	Not Applicable	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Some peach fuzz appears present in U, not visible in K, maybe due to intentional alterations/lighting.
PRMQFV	Not Applicable	Neither known nor unknown has visible facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Similar	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Similar	There appears to be fair light facial hair on the unknown that isn't as visible on the known however this is likely due to grooming.
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q9: Table 4.9(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Dissimilar	In image A there is no hair on the left jawline. However, in B there is hair
XYERF8	[Not Reported]	Not comparable: Facial hair not observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q9 Facial Hair

Total Participants: 61

Response	Percent Reported
Similar	9 (14.8%)
Dissimilar	2 (3.3%)
Inconclusive	2 (3.3%)
Unable to Compare	0 (0.0%)
Not Applicable	48 (78.7%)

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Image Set Q9: Table 4.9(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	Partially UC.
3LFL7K	Similar	Vertical glabellar lines, superior palpebral creases, periorbital creases, inferior palpebral creases, and small marionette lines are visible on both subjects and are very similar.
3M7MAM	Similar	The forehead and eye wrinkles are similar.
4T9DRJ	Similar	similar periorbital creases especially on right side.similar mentolabial sulcus,
6JZ4ZJ	Similar	Wrinkles on neck Right superior palpebral crease Left superior palpebral crease: Visibility ,Position ,prominence ,Shape
7B6GQY	Similar	
7PHQBF	Similar	The left and right superior palpebral creases on the probe and candidate appears to be consistent in length. The candidate appears to have deeper left and right inferior palpebral creases.
89T2WX	Similar	Different expressions cause the sample's periorbital wrinkles to be prominent, but there are still similarities in the location and shape of some wrinkles under the eyes, and the neck lines are similar
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	[Not Reported]	some facial lines more prominent on Known(1) than Unknown(2) from difference in expression, particularly around eyes/mouth; visible frontal lines appear similar in position relative one another slightly toward the left of the center of forehead; similar shape of mentolabial sulcus; nasolabial folds of Known(1) much more prominent than Unknown(2), appear to have similar shape/curve; other facial lines mentioned elsewhere
9U4MPG	Similar	Neck and around eyes
AKVB9D	Similar	nasolabial folds ending in marionette lines- more distinct in known due to expression, neck wrinkles, periorbital lines
B2Z6FC	Similar	discussed above
BZH38T	Similar	The wrinkles around eyes and mouth are similar.
CKPXLT	Similar	Similar glabellar lines, superior and inferior palpebral crease, nasolabial folds, mouth corner dimples, mentolabial sulcus and neck line shape and placement.
CUYZ8T	Similar	
D2QZYQ	Similar	similar
DA6QFC	Not Applicable	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Similar	

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Image Set Q9: Table 4.9(o) - Facial Lines

WebCode	Observation	Feature Notes
ELRHHR	Similar	same and pattern
FBEYWM	Similar	
FZRJT8	Similar	There are similar creases on the neck, nasolabial folds, creases under the eyes, marionette lines.
H2WQ96	Similar	Superior palpebral lines, periorbital creases, and nasolabial folds appear similar. The latter is more pronounced in known, but there is a difference in facial expressions.
HFB7XM	Similar	Mentolabial sulcus slopes down to the right. Glabellar lines, barely visible.
HRQ6L4	Similar	similar positioning and prominence of neck lines; similar (mostly) contour of superior and inferior palpebral creases - possible that unk image has had some medical alterations to areas around eyes in these creases but other portions of the same creases are similar. Similar positioning, length, and prominence of vertical glabellar lines and nasion crease. Similar frontal lines.
HUCPQ8	Similar	
HYQFYM	Similar	Similar light nasolabial folds and infraorbital lines
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	Known has much more visible creasing around eyes and nose, possibly due to facial expression
KHWG47	Unable To Compare	
L7ZVC2	Similar	Slight nasolabial lines in both, Smile lines faint in both. Neck lines very similar in both. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Wrinkles on neck
P6CLXG	Similar	Wrinkles on neck
PD3BCW	Similar	mentioned with description of neck
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Nasolabial folds appear deeper in K, similar in angle/shape; vertical glabellar lines appear more prominent in U, may be due to aging; others aforementioned.
PRMQFV	Similar	Inferior palpebral creases are found in similar locations and have a similar arrangement, but they are more prominent on the known. Mentolabial sulcus is found in relatively similar locations and have a similar prominence. Nasolabial folds are more pronounced on the known, possibly due to the difference in expressions. Marionette line on the right side of the knowns chin, not found on the unknown.
PVM3BV	Similar	facial lines are mentioned in the brows, eyes, nose, cheeks, mouth and neck regions above

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Image Set Q9: Table 4.9(o) - Facial Lines

WebCode	Observation	Feature Notes
PWHKDW	Inconclusive	Not too many facial lines to compare
PWYRHE	Similar	Naseogenial folds.
PX9LGZ	Inconclusive	Difference in the facial expression makes it hard to comapre, however, the lines on the neck on the unknown image are similar to the ones on the known image.
PY46H2	Inconclusive	facial expression difference
Q49MUY	Similar	
QTWDAF	Similar	The mentolabial sulcus appears to have a similar depth, The nasolabial lines appear to have a similar contour but a different prominence which is likely due to the expression change.
QYFHZU	Not Applicable	
R273NE	Similar	Similar nasolabial line positions and curvatures.
TBLBPC	Similar	
U6E77R	[Not Reported]	one prominent wrinkle on neck that is found in both subjects. Left Periorbital creases are faint but similar. Same with Right periorbital lines.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Very fine left vertical glabellar line. Somewhat similar periorbital lines and inferior palpebral lines. Similar nasolabial creases; right crease is more rounded around the mouth, left crease is more angled around the mouth. Similar neck creases, right side has a bifurcating neck crease.
XQMJNP	[Not Reported]	Due to open mouthed smile, Known has noticeable facial lines around the nose and mouth. Unknown has a neutral facial expression with lips potentially pursed together slightly. Faint facial lines around the nose and mouth are visible and are in the same locations as the Known.
XTNLEQ	Similar	Wrinkles on neck Right superior palpebral crease Left superior palpebral crease Visibility - Position - prominence - Shape
XYERF8	[Not Reported]	Similarities: Frontal lines, Vertical glabellar (outer faint lines), Nasion crease (faint), Periorbital lines, Superior palpebral crease, Inferior palpebral crease, Wrinkles on neck (visible portions), Mentolabial sulcus – Dissimilarities: Marionette lines - visible/prominent in R1, Infraorbital crease - prominence, appearance of location and visibility - impacted by expression/lighting, Nasolabial crease - prominence and visibility, Other creases - lip lines more prominent in Q1 (potentially impacted by lighting/expression) - Not comparable: Lateral nasal lines, Bifid nose crease, Circumoral striae, Buccal creases, Cleft chin (not visible/observed in one or both)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q9 Facial Lines		Total Participants: 58
Response	Percent Reported	
Similar	47 (81.0%)	
Dissimilar	1 (1.7%)	
Inconclusive	4 (6.9%)	
Unable to Compare	1 (1.7%)	
Not Applicable	5 (8.6%)	

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Image Set Q9: Table 4.9(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Similar	
7PHQBF	Not Applicable	
89T2WX	Similar	The skin pits between the eyebrows are similar
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Similar	Noted above.
9GLTHW	Not Applicable	
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Similar	Both have a scar on the right side of the chin/jaw line
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Not Applicable	not visible
FBEYWM	Inconclusive	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No scars observed.
HFB7XM	Not Applicable	

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Image Set Q9: Table 4.9(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Not Applicable	
KHWG47	Similar	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Similar	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No scars observed on known or unknown.
PVM3BV	Similar	one scar like mark is mentioned in the mouth section above
PWHKDW	Not Applicable	no scars observed
PWYRHE	Inconclusive	not evdience
PX9LGZ	Similar	The formation above the right eye is identical.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Inconclusive	There appears to be a mark under the left lateral side of the lower lip that is not visible on the known however this could be transient. There is a scar/mark above the right brow and on the right side of the inferior portion of the chin.
QYFHZU	Not Applicable	
R273NE	Not Applicable	No scars of note
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	

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Image Set Q9: Table 4.9(p) - Scars

WebCode	Observation	Feature Notes
UZ6NFC	Not Applicable	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Inconclusive	Possible scar on right forehead above eyebrow.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Not comparable: scars not observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q9 Scars

Total Participants: 61

Response	Percent Reported
Similar	12 (19.7%)
Dissimilar	0 (0.0%)
Inconclusive	5 (8.2%)
Unable to Compare	1 (1.6%)
Not Applicable	43 (70.5%)

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Image Set Q9: Table 4.9(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	Partially UC.
3LFL7K	Similar	There is a small light-colored bump above the right eye and another on the right lower portion of the chin of both subjects. These marks appear nearly identical.
3M7MAM	Similar	Multiple pigmentation abnormalities show similarity between facial and cervical regions.
4T9DRJ	Similar	mark on lower right chin, mark above right eyebrow, mark on neck right edge below first crease and on left above first crease.
6JZ4ZJ	Not Applicable	none
7B6GQY	Similar	
7PHQBF	Similar	There appears to be a facial mark on the chin of both the probe and candidate. There also appears to be facial mark above the right eyebrow of the probe and candidate.
89T2WX	Similar	The protrusions below the jaw and above the right eyebrow are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	appears to have similar abundance of small/faint facial markings present over the entirety of the face, especially noticeable toward forehead and hairline; similar shape/size/position of two small, circular facial marks present toward the lower right of the chin relative to one another; similar small, circular facial mark present above the center of the right eyebrow on the forehead; both appear to have similar faint, circular facial mark present toward the upper left of the neck; both appear to have small, circular facial mark present toward the center of the far right side of the neck
9U4MPG	Similar	Forehead above her right eye and chin, birthmark on right side neck
AKVB9D	Similar	facial mark right side of chin, discolored area below both corners of mouth fissure, mark above right eye
B2Z6FC	Similar	Neither have freckles. Both have a mark above the right eyebrow. Unknown has a mark below the left side of the mouth and towards the lateral side of the mouth
BZH38T	Not Applicable	
CKPXLT	Similar	Similar freckles located across the forehead, one white texture skin mark above the right eyebrow, one dark skin mark on lower right cheek, one white textured skin mark on chin and two darks skin marks on each side of the neck.
CUYZ8T	Similar	
D2QZYQ	Similar	several marks throughout both images which appear similar in locations, shape, and relationship to surrounding features

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Image Set Q9: Table 4.9(q) - Facial Marks

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Similar	
ELRHHR	Similar	same pimples on their chin
FBEYWM	Similar	
FZRJT8	Similar	There are similar facial marks on the neck and others mentioned above.
H2WQ96	Similar	Facial mark above right eye and on right side of chin appears similar.
HFB7XM	Similar	Facial mark on the right side of the chin, over the right eyebrow, on the left antihelix, on the right side of the neck, lateral of the right commissure of lip.
HRQ6L4	Similar	similar positioning, size, and prominence of facial marks on chin, cheeks, and forehead.
HUCPQ8	Similar	
HYQFYM	Similar	Similarities noted on cheeks, nose and chin.
JL2M67	Similar	
K3KWNM	Similar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	Similar mole or mark on chin and above right eyebrow
KHWG47	Similar	
L7ZVC2	Similar	Facial marks on chin in both known and unk. Marks on forehead similar and in corresponding areas in both known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Skin marks (size, color and location)
P6CLXG	Similar	
PD3BCW	Not Applicable	mentioned with description of chin
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Facial mark above right eyebrow, on right cheek, right side of chin, and forehead similar in size/shape/location; one facial mark below lower left side of lip in U, may be transient.
PRMQFV	Similar	Facial marks on the forehead are consistent, darker on the unknown. Mark above the right eyebrow is similar. Unknown has a mark on the upper part of the chin, not found on the known. Mark on the lower right part of the chin is similar in location, prominence, and size.
PVM3BV	Similar	facial marks are mentioned in the forehead, chin and neck sections above
PWHKDW	Similar	facial marks discussed above are in same position, same size in both unk and k

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Image Set Q9: Table 4.9(q) - Facial Marks

WebCode	Observation	Feature Notes
PWYRHE	Similar	It shows a mole on the right side of the chin.
PX9LGZ	Similar	The moles on the forehead, chin and neck are similar.
PY46H2	Not Applicable	
Q49MUY	Similar	
QTWDAF	Similar	There is a scar/mark above the right brow and on the right side of the inferior portion of the chin.
QYFHZU	Similar	White raised mark on the right side of chin in the same place in each image. small brown mark on left side chin below lip in the unknown.
R273NE	Not Applicable	No marks of note
TBLBPC	Similar	
U6E77R	Similar	similar mark on bottom of chin in same place (her right side). One also above right eyebrow.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Similar mark on upper left neck below jawline, and on right side of neck under the creases. There is a white-ish mark on bottom right side of chin (unsure of what it is).
XQMJNP	Similar	Both subjects have a light colored (possibly raised) facial mark on the right bottom chin.
XTNLEQ	Not Applicable	none
XYERF8	[Not Reported]	Similarities: Corresponding facial marks on the right side of forehead and right side of chin, Overall appearance of 'freckles'/facial marks on forehead - Dissimilarities include: Facial mark observed below left side of bottom lip in Q1
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q9 Facial Marks	Total Participants: 62
Response	Percent Reported
Similar	54 (87.1%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	8 (12.9%)

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Image Set Q9: Table 4.9(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unknown is wearing glasses; both individuals appear to be wearing makeup, but in different patterns on the face (unknown more heavy around nose and inner cheeks and known more around the eyes)
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	Differences observed in earring styles and glasses-wearing status.
4T9DRJ	Similar	peirced ears in similar location.
6JZ4ZJ	Similar	Piercing
7B6GQY	Similar	
7PHQBF	Not Applicable	
89T2WX	Similar	There are traces of makeup
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Inconclusive	unknown is wearing glasses and some makeup, and both have ears pierced
9KFMFY	[Not Reported]	Unknown(2) is wearing glasses; Known(1) and Unknown(2) are wearing earrings, both have lobe earrings; potentially Known(1)/Unknown(2) may have variation in make-up
9U4MPG	Similar	Existence of earrings
AKVB9D	Similar	pierced ears, unknown possible makeup
B2Z6FC	Similar	Both have pierced ears
BZH38T	Dissimilar	Earring is dissimilar.
CKPXLT	Dissimilar	Dissimilar glasses visibility in the Unknown versus the Known.
CUYZ8T	Not Applicable	
D2QZYQ	Dissimilar	make up and glasses
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	same head tilt and physical alterations
FBEYWM	Similar	
FZRJT8	Not Applicable	None visible

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Image Set Q9: Table 4.9(r) - Alterations

WebCode	Observation	Feature Notes
H2WQ96	Similar	Both have pierced earlobes.
HFB7XM	Not Applicable	
HRQ6L4	Similar	earrings in both images; different earrings bur similar positioning. Unk image subject wearing eyeglasses.
HUCPQ8	Similar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	[No observations reported for this feature.]	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	makeup is worn on both, glasses on in the unknown
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Similar	both known and unknown is wearing earrings.
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	Both appear to have similar makeup; similar piercings in both; no tattoos visible.
PRMQFV	Not Applicable	Unknown is wearing glasses. Both subjects are wearing earrings.
PVM3BV	Dissimilar	both subjects are wearing earrings
PWHKDW	[No observations reported for this feature.]	
PWYRHE	Similar	A genetic swelling at the corner of the left lip is evident, as seen in both images.
PX9LGZ	Inconclusive	Ears on both images are pierced. Glasses are worn on the unknown image.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Inconclusive	Earrings on both subjects. Glasses on the unknown
QYFHZU	[No observations reported for this feature.]	
R273NE	Dissimilar	Unknown is wearing glasses and known is not
TBLBPC	Similar	earrings

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Image Set Q9: Table 4.9(r) - Alterations

WebCode	Observation	Feature Notes
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	Glasses
V7PBGV	[No observations reported for this feature.]	
XPRZMN	Similar	Unknown and Known wearing light makeup
XQMJNP	Similar	Both subjects have their ears pierced. Unknown is wearing glasses.
XTNLEQ	Similar	Piercing
XYERF8	[Not Reported]	Similarities: Ear Piercing observed in both in consistent locations
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q9 Alterations — Total Participants: 55

Response	Percent Reported
Similar	20 (36.4%)
Dissimilar	7 (12.7%)
Inconclusive	5 (9.1%)
Unable to Compare	0 (0.0%)
Not Applicable	23 (41.8%)

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Image Set Q9: Table 4.9(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known image is slightly under exposed whereas unknown image has decent lighting
CKPXLT	Limitations	Dissimilar	Expression, make-up, lighting, image quality and occlusion.
H2WQ96	makesup	Dissimilar	Difficult to tell in known is wearing makeup, if so, it is much less than the unknown.
LADNAL	Quality	Dissimilar	known is good quality with dark lighting and further away from camera, unknown has brighter lighting and closer to camera
PWYRHE	imagen superposition	Similar	Compatible bizygomatic diameter.Compatible cephalometric planes.
PY46H2	Shadow present on both sides, below lower corner	Similar	
XPRZMN	obstructions		Unknown is wearing glasses

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Detailed Feature Observations

TABLE 4 - Image Set Q10

Image Set Q10: Table 4.10(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known's skin tone appears slightly darker, but could be due to lighting difference; known's skin texture appears slightly rougher on the cheeks
34T74N	Similar	
3LFL7K	Similar	The skin of both the known and unknown subjects is smooth, consistent in tone and relatively free of marks.
3M7MAM	Dissimilar	Differences in skin tone and texture.
4T9DRJ	Dissimilar	know has darker skin town than unknown
6JZ4ZJ	Dissimilar	Different in skin texture and tone
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Skin tones between the probe and candidate appears to be similar between.
89T2WX	Dissimilar	The skin tone is different, but the skin texture is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Dissimilar coloring and the texture of the skin on the unknown image appears to have more markings than the known image on the right side of the forehead and nose and cheek.
9GLTHW	Dissimilar	texture is dissimilar as known’s is smooth in forehead region but uneven in cheek areas, whereas unknown’s is more uniform in smooth texture; complexion is dissimilar, as known’s has a tanned tone with an underlying orange-like hue, whereas known’s is fair with some underlying pink hues and reddish patch along the collar bone; highlighting and shadowing on the contours of the face are dissimilar, indicating that the underlying musculature and bone structure are also dissimilar
9KFMFY	[Not Reported]	Unknown(2) has lighter skin tone than Known(1), difference in sun exposure/lighting
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known- medium complexion. unknown light complexion (lighting?, makeup?)
B2Z6FC	Similar	Similar color and luminance. Both have a similar texture
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is dark due to lighting.
CKPXLT	Similar	Similar tone.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	appears lighter in unknown, may be due to lighting
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	Similar	Skin – Both subjects have fair skin. Known has a red/flushed tone throughout her entire face. Although the subject is in lighting that could cause redness in face and is possibly the reason for shadowing visible in subject. Both subject have textured skin but locations vary with Unknow in chin area and Probe's visible in cheeks and neck regions.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	unknown profile is lighter than known, likely because of the lighting
FBEYWM	Similar	
FZRJT8	Similar	The known's lighting is darker/uneven, the skin tone appears darker but otherwise looks similar.
H2WQ96	Similar	Color is similar but lighting is different so difficult to compare.
HFB7XM	Dissimilar	Probe has more even complexion, less marks, no similar marks at all between the two. Candidate has more redness/blushing.
HRQ6L4	Dissimilar	similar texture; color darker in known image.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in complexion, tone and marks.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Skin is similar in light color. Due to lighting, the Unknown appears brighter. Known has more of a yellow undertone. Unknown has a red undertone. Luminance on the skin is not similar in pattern.
KEBXX2	Similar	Similar tone & texture though the known's appears darker - tanned or image quality
KHWG47	Not Applicable	
L7ZVC2	Similar	Very similar in tone and texture. Known appears to have slightly more tan than unk.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone is darker in the known, texture appears to be smoother in the known
LQZ4DH	Not Applicable	
P6CLXG	Similar	
PD3BCW	Dissimilar	The skin of known and unknown individual is equal in light tone and color, smooth texture and complexion. The known image appears to be warmer in skin tone with a slight gold hue, while the unknown image has a slight pink under-tone. There are some small markings and/or blemishes scattered around the facial plane of the unknown image that are not visible on the known image. Each image is good quality making details clear and highly visible for comparison purposes. The skin of both known and unknown appears to be mostly free of fine lines, creases and wrinkles suggesting that the images are both close in age to a young adult.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Skin appears dissimilar in overall tone, may be due to lighting; texture appears similar overall.

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Image Set Q10: Table 4.10(a) - Skin

WebCode	Observation	Feature Notes
PRMQFV	Inconclusive	Tone of the skin is somewhat similar, skin is fair on both subjects, knowns skin appears to be more reddish. Texture of the skin is fairly smooth on both subjects.
PVM3BV	Similar	skin tone and texture appears to be similar between subjects
PWHKDW	Similar	both white, skin tone is known is slightly darker/more tan. unk is more pale
PWYRHE	Dissimilar	One is whiter, and the other is paler.
PX9LGZ	Similar	The skin texture is similar. Tone seems different due to the difference of lighting conditions.
PY46H2	Dissimilar	Tonality (Lighting? Sun exposure? Makeup?)
Q49MUY	Dissimilar	
QTWDAF	Inconclusive	The subjects present with a similar light skin tone with differences in hue which is likely due to sun exposure, lighting, imaging conditions, etc. The subjects appear to have a similar skin texture however the unknown appears to be wearing makeup.
QYFHZU	Similar	Color and tone are consistent
R273NE	Dissimilar	Known appears to have darker skin, but could be due to tanning. Also unknown has makeup on face which could change ton. Texture appears similar between the two. Luminance appears different, but may be due to light source in image.
TBLBPC	Similar	
U6E77R	Similar	similar texture
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Inconclusive	Unknown skin appears lighter, likely due to differences in lighting. Unknown skin appears smoother and more uniform in color (could be makeup). Known skin has more texture and has white speckling on the cheeks, possibly blemishes.
XQMJNP	Similar	Both subjects are light skinned. Known appears darker due to lighting.
XTNLEQ	Unable To Compare	Ambient light difference
XYERF8	[Not Reported]	Dissimilarities: Overall skin appearance: texture, tone
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q10 Skin		Total Participants: 61
Response	Percent Reported	
Similar	26 (42.6%)	
Dissimilar	28 (45.9%)	
Inconclusive	4 (6.6%)	
Unable to Compare	1 (1.6%)	
Not Applicable	2 (3.3%)	

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Image Set Q10: Table 4.10(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known's facial shape appears slightly more narrow, especially in the upper portion/forehead area of the face; similar cranial vault shape
34T74N	Inconclusive	Not sure if difference is because of facial expression.
3LFL7K	Similar	The cranial vault is consistent in shape between the known and unknown subjects. Also, the brow ridge is not prominent on either, making them similar to each other.
3M7MAM	Dissimilar	Facial shape variance.
4T9DRJ	Dissimilar	outline of face seems different
6JZ4ZJ	Similar	Shape of cranial vault ,Portrait contour
7B6GQY	Similar	
7PHQBF	Dissimilar	The candidate face outline appears to be slimmer compared to the probe. The candidate appears to have more of an oval face shape while the probe is more circular.
89T2WX	Dissimilar	The shape is different
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head outline is dissimilar. The unknown image is fuller through the cheek area and also shorter distance from hairline to chin, than that of the known image.
9GLTHW	Dissimilar	overall shape and size are dissimilar, as known's has a rectangular-like shape, being slightly wider at the cranium than the chin, and is narrower and more elongated, whereas unknown's is more of an oval/egg-like shape and is wider, specifically along the cheeks, however this could be attributed to the smiling expression displayed
9KFMFY	[Not Reported]	Unknown(2) appears to have slightly rounder face/head outline
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known- narrow/elongated, round cranial vault unknown- wide/compact, boxy cranial vault
B2Z6FC	Similar	Both have an oval shaped head
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Similar	Similar head and face shape.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	curvature of outline dissimilar, particulary in cheek and chin area
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Face/Head Outline – Known face outline is oval-shaped while Unknow is heart shaped. Unknown head outline is more accurately that of an upside down pentagon.
EGYH2B	[No observations reported for this feature.]	

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Image Set Q10: Table 4.10(b) - Face/Head Outline

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	different geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Similar	
FZRJT8	Dissimilar	The known's head appears wider on top and become more narrow down around the cheeks toward the chin. The unknown's head appears evenly wide until her jawline
H2WQ96	Dissimilar	Unknown's face outline is more oval than the known's.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar shape and contour of cranial vault and temporal areas; lower portion somewhat similar but comparison is limited due to unk image smiling expression.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar oval shape and narrow facial outline. Dissimilar jawline and chin.
JL2M67	Similar	
K3KWNM	Dissimilar	Face/head outline is not similar in shape/size. Known has a rectangular shaped face and Unknown has an oval shape.
KEBXX2	Similar	
KHWG47	Inconclusive	Perspective
L7ZVC2	Dissimilar	Known has a more squared overall face shape than unk. Unk has a more oval face than the known.
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	head appears to be longer in the known, shape is dissimilar between the two, width is wider in the unknown, known is more oval and the unknown is more round
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known and unknown have similarly structured contour to the head with each individual having symmetry between the contour of the cranial vault and the contour of the chin and jawline. There is a slight dissimilarity in the overall contour of the head in that the known image is more rectangular in shape than that of the rounder contour of the unknown image. The features of both known and unknown are similar in placement, weight and symmetry. Both known and unknown are forward facing, frontal images.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Shape of cranial vault appears flatter on K, may be due to hairstyle; overall shape of face appears dissimilar.
PRMQFV	Similar	Shape of the head is similar, long and narrow.
PVM3BV	Similar	general shape of the upper portion of the head appears to be similar - jawline appears to differ in shape
PWHKDW	Dissimilar	known has long, thinner face where unk's is wider

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Image Set Q10: Table 4.10(b) - Face/Head Outline

WebCode	Observation	Feature Notes
PWYRHE	Similar	brachycephalic
PX9LGZ	Dissimilar	The head shape is more narrow on the known image.
PY46H2	Dissimilar	Known longer, unknown rounder
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The face/head outline appears to be more squared on the known. The chin area appears to be more rounded on the unknown however this could be due to the expression change.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Dissimilar	Head shapes appear different with unknown's head being wider in bottom half than known. Unknown's head is more squared in top half than known
TBLBPC	Dissimilar	
U6E77R	Dissimilar	known has more square face, unk more oval
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Similar	Similar cranial vault contour. Different facial expressions causing dissimilarities in the lower 1/3 of the face, but the upper 2/3 is similar.
XQMJNP	Similar	Both subjects have a long oval face.
XTNLEQ	Similar	Matching oval contours
XYERF8	[Not Reported]	Dissimilarities: Overall shape of the face - Not comparable: Shape of the cranial vault
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Face/Head Outline

Total Participants: 60

Response	Percent Reported
Similar	17 (28.3%)
Dissimilar	40 (66.7%)
Inconclusive	3 (5.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unknown's eyes appear slightly less proportional compared to the nose and mouth in size
34T74N	Similar	
3LFL7K	Similar	The eyes, ears, nose and mouth are consistent on both subjects, including the distances between and related to each feature.
3M7MAM	Dissimilar	Differences in facial feature ratios.
4T9DRJ	Dissimilar	unknown has higher cheekbones than known.
6JZ4ZJ	Dissimilar	Dissimilarity in Picture A & B as below A has a broader nose relative to eye spacing than B. A's nose is proportionally wider compared to the mouth than B's. A's eye position is more centered; Picture B's eyes are positioned slightly higher relative to full face length
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The intercanthal distance of the eyes appears to be dissimilar between the probe and candidate.
89T2WX	Dissimilar	The proportions are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in location of the eyes in relation to the bridge of the nose.
9GLTHW	Dissimilar	alignment and size of the visible facial features with respect to each other and their location on the face are dissimilar, however features are similarly positioned in close proximity to each other and are configured in the center of the face
9KFMFY	[Not Reported]	approx. distance from nasal tip to upper lip is much shorter for Unknown(2), expression difference lifts
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	
B2Z6FC	Similar	spatial relationship between facial features is similar. Similar distance between eyes and lower lip to chin.
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Inconclusive	Similar eye to eyebrows relative distance and nose width relative to eyes. Dissimilar mouth width relative to eyes, upper lip to nose and lower lip to chin distance.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Face/Head Composition – Facial features are concentrated to the lower 3/4th of Known's face while Unknown features are concentrated to the lower 2/3rd of face.
EGYH2B	Similar	

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Image Set Q10: Table 4.10(c) - Face/Head Composition

WebCode	Observation	Feature Notes
ELRHHR	Similar	same in how they are positioned and framed
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition appear similar
H2WQ96	Dissimilar	There appears to be more space between the tip of known's nose and their upper lip than the unknown. Known's ears appear lower than unknown's.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	eyes appear dissimilar in spacing; tip of nose to upper lip dissimilar but possibly due to expression difference; chin to lower lip different length.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar intercanthal and interpupillary distances, overall nose shape, mouth fissure and chin.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Face/head is not similar in width. But is similar in length. Eyes are in a similar position on the face/head. Intercanthal distance is not similar. Interpupillar distance is not similar
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance between eyes is further apart in the unknown, distance from eyes to mouth is further apart in the known, distance from nose to mouth is closer in the unknown but could be due to expression, distance from mouth to chin is shorter in the known
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Both known and unknown have consistent contour, shape, size, weight and placement of features. The unknown image's head is turned slightly to the left, exposing more of the right side of the face. Due to the pitch, the right side of the face of the unknown image appears foreshortened, smaller than left side, slightly asymmetrical in appearance.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes and nose relative to face length appear similar; mouth in relation to face length appears dissimilar; nose to mouth relationship appears dissimilar.
PRMQFV	Dissimilar	Nose to mouth distance is closer on the unknown, possibly due to the difference in expressions. The distance between the eyes are similar, close on both known and unknown.
PVM3BV	Similar	general composition of the facial features appears to be similar between subjects
PWHKDW	Dissimilar	no obvious similarities in composition

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Image Set Q10: Table 4.10(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PWYRHE	Dissimilar	Long, narrow face, and a medium-wide face.
PX9LGZ	Dissimilar	Relative distances between facial features seem different.
PY46H2	Dissimilar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The features of the face appear to have a taller vertical alignment on the unknown. The nasal tip appears to be farther from the mouth on the known.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent. The space between the columella and the upper lip is taller in the known.
R273NE	Dissimilar	Features appear to be in slightly different positions relative to the other features in known and unknow.
TBLBPC	Similar	
U6E77R	Dissimilar	eyes in unk subject wider set, chin further than mouth, nose further than mouth
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Similar	Similar width of nose relative to eyes. The Unknown's smiling is impacting the width of mouth and the distance from nose to upper lip relative to face length (the nose to upper lip length is much longer in the Known). Similar distance from chin to lower lip relative to face length. Similar ear position relative to eyes, nose, and mouth and relative to face length.
XQMJNP	Dissimilar	Space between nose and mouth appears to be greater on known than unknown.
XTNLEQ	Similar	Matching face/head composition
XYERF8	[Not Reported]	Similarities: Approximate distance from chin to lower lip relative to face length - Dissimilarities: Potentially due to differences in age, pose, expression and lighting, Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Ear position relative to eyes, nose, and mouth - right ear lobe only, Eye position relative to face length
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q10 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	17 (27.9%)	
Dissimilar	42 (68.9%)	
Inconclusive	2 (3.3%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q10: Table 4.10(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar hair color with both individuals appearing to have blonde colored hair; different hair styles with unknown having long slightly curly hair and known having very short cut on sides with slightly longer "slicked back" hair on the top; upper forehead hairline shape and symmetry appears similar; known appears to have more prominent temporal hairline growth shape
34T74N	Dissimilar	
3LFL7K	Similar	The hair on both is a similar color and texture, but is different in style.
3M7MAM	Dissimilar	Hairstyle inconsistency.
4T9DRJ	Unable To Compare	similar hair color, blondish, know has reddish eyebrows to darker color on unknown.
6JZ4ZJ	Dissimilar	Dissimilarity The hair in picture A is boy cut and bold /gap on the sides, the texture is silky, the forehead hairline is high Picture B hair length to the shoulder with loose wavy hair texture and bell-shaped hairline
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The hairlines between the probe and candidate appears to be different. The hair color also appears to be different between the two images as well.
89T2WX	Dissimilar	The color is similar, but the hairstyle is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Similar in blonde color but the unknown's hair is long and frames the head/face while the known's hair appears shaved on the sides of the head and slicked back on the head.
9GLTHW	Dissimilar	hairline shape and length are dissimilar; color and length are dissimilar, as known's is a strawberry blonde color and cut shorter, whereas unknown's is blonde and longer than shoulder length, however these differences can be attributed to grooming; texture and thickness/density can't be compared due to differences in styling and length
9KFMFY	[Not Reported]	Unknown(2) has longer hair which is down/loose while Known(1) has short/shaved hair on sides; color of hair appears a bit lighter in shade for Unknown(2)
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known- shaved on sides, pulled back on top. unknown- long, shoulder length
B2Z6FC	Similar	Similar hair color. Known has their head shaved on the sides. Both have similar air growth pattern
BZH38T	Dissimilar	The hair color is dissimilar.
CKPXLT	Inconclusive	Similar hair tone and right side hairline shape. Dissimilar hair length and style and, forehead hairline shape.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	slightly darker in known image, may be due to products, different length and style between images
DA6QFC	Not Applicable	

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Image Set Q10: Table 4.10(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Inconclusive	Hair – Both subject's have fairly straight hair with that is consistent in texture and root color. Known's hair color is more strawberry blonde with blonde roots, hair is concentrated to mid-line of subject. Known has but noticeable shaved sides with hair growth on top of cranial vault in line with lateral eyebrow region, the length of hair cannot be determined due to style worn by candidate. Unknown has dirty blonde hair which is lighter around hairline, slight wave at temples and extends past subject's shoulders.
EGYH2B	Inconclusive	
ELRHHR	Unable To Compare	known profile doesn't have much hair
FBEYWM	Dissimilar	
FZRJT8	Similar	The color and texture of the hair appear similar. The known has hair shaved on the sides and pulled back on top. The unknown has long hair that is down.
H2WQ96	Dissimilar	Hairline is similar, but color is different. Color appears natural in both but unknown is more blonde, and known is more strawberry blonde.
HFB7XM	Inconclusive	Different hairdo.
HRQ6L4	Dissimilar	dissimilar color, density, length, and style
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar in color, texture and style.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Hair is not similar in texture/color. Known has blonde and brown hair. Unknown has brown, blonde and gray hair.
KEBXX2	Dissimilar	Very different hairstyles but similar texture
KHWG47	Dissimilar	
L7ZVC2	Similar	Hair similar color and texture. Hairline very similar between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known hair is buzzed on the sides and slicked back on top, unknown is down and has some wave to it, both have blondish hair, hairline appears to come further on the forehead in the known
LQZ4DH	Inconclusive	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Both the known and unknown individual has light, yellow-gold hair color that is thin in texture. The known image has the hair in the center, top of the head, pulled back tightly away from the forehead and face. The known image also has the hair shaved very closely to the left and right sides of the head. In contrast, the hair on the unknown image is long, thin but wavy, parts on the right side and falls down passed the shoulders. It is difficult to determine the exact growth pattern for comparison purposes of the known image due to the hair being pulled backward in an unnatural manner but the sparseness at the hairline is similar.

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Image Set Q10: Table 4.10(d) - Hair

WebCode	Observation	Feature Notes
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Hair appears dissimilar in length/style/color, may be due to intentional alterations; hairline appears dissimilar.
PRMQFV	Dissimilar	Style of the hair is dissimilar, knowns appears to be cut on the sides. The tone of the hair is dissimilar, more reddish on the known. Texture of the unknowns hair appears to be more wavy, knowns hair is straight.
PVM3BV	Dissimilar	hair appears to be similar in color - length of hair differs with known being buzz cut and the unknown being longer
PWHKDW	Inconclusive	both blondes, but unk is a lighter blond and known is more strawberry blonde (could be due to image quality)
PWYRHE	Similar	same color
PX9LGZ	Similar	Colour and texture seem similar.
PY46H2	Dissimilar	Style. Unknown hairline more uneven
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The lateral portions of the hairline appears to be flat and similar. The upper portion of the hairline appears to be more rounded on the unknown. The hair color appears to be darker on the known however there could be grooming/hair color on either subject.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Dissimilar	Known's head is shaved on side and short on top. Unknown has long hair. Known has reddish hair and unknown has blonde. Frontal and side hairlines appear slkightly different in curvatures.
TBLBPC	Inconclusive	color similar texture different, different cut
U6E77R	Dissimilar	similar texture. Hairline is different. Color, style can change so can't compare much.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Inconclusive	Similar color and texture. Different hairstyles. It's a bit difficult to see the Known's hairline given the close-cut blonde hair, but it seems to be dissimilar from the Unknown's with less recession.
XQMJNP	Dissimilar	Known has blonde hair, shaved on sides and long on top, pulled back. Unknown has long blonde (lighter in color than Known) that is past shoulder length. Unknown hair has a slight curl/ wave to it.
XTNLEQ	Dissimilar	Variations in hair styling
XYERF8	[Not Reported]	Similarities: Hair: shape/spatial distribution, density - Dissimilarities: Hair: texture, symmetry, tonality, Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape - Not comparable: Cranial baldness pattern: shape, distribution
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	

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Image Set Q10: Table 4.10(d) - Hair

WebCode	Observation	Feature Notes
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Hair

Total Participants: 62

Response	Percent Reported
Similar	8 (12.9%)
Dissimilar	41 (66.1%)
Inconclusive	10 (16.1%)
Unable to Compare	2 (3.2%)
Not Applicable	1 (1.6%)

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Image Set Q10: Table 4.10(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown appears to have a much larger forehead in general; similar forehead height; similar brow ridge prominence; the unknown appears to have more frontal prominent frontal lines that are in different relative location to the two that I can see on the known
34T74N	Dissimilar	
3LFL7K	Similar	For both the known and unknown subjects, the forehead is similar in shape, including the height and width.
3M7MAM	Dissimilar	Variations in forehead width and height.
4T9DRJ	Dissimilar	
6JZ4ZJ	Dissimilar	Dissimilarity Forehead shape - Relative height, Brow ridges
7B6GQY	Similar	
7PHQBF	Dissimilar	The probe appears to have a larger and wider forehead compared to the candidate. The contour of the forehead appears to be dissimilar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The unknown's forehead is wider and longer. The distance from top of the brow to the hair line is greater on the unknown. The hairline itself is lower on the forehead of the known image. The frontal bones on the known image appear to protrude more than that of the unknown.
9GLTHW	Dissimilar	shape, contour, and musculature are dissimilar, as known's is square-like in shape with a relatively flat contour and prominent frontal eminences, whereas known's is more of a rectangular shape with a rounded contour and smooth musculature; height is similar, however width is dissimilar, as known's is more compact; known's brow ridges protrude whereas unknown's are flush with frontal bone; frontal lines and facial marks are dissimilar, as known has one short linear line above each brow that are faint in appearance and two raised, skin colored marks in a diagonal formation above the medial end of the left brow, whereas unknown has several linear frontal lines that span the height of the forehead and run parallel with each other, and a couple darker pigmented flat facial marks that are not similar in location or appearance; both appear to have several freckle-like marks dispersed throughout, however they are dissimilar in color, quantity, size, location, and dispersion density
9KFMFY	Dissimilar	frontal lines visible on Known(1) appear dissimilar to Unknown(2), frontal lines visible on right side of forehead of Known(1) appear to have slightly larger approx. distance relative one another to lower frontal lines visible for Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- high,narrow, rounded. brow ridge unknown wide,flat
B2Z6FC	Inconclusive	Both have similar forehead prominence with a similar hairline. Known has two areas of luminance while the unknown has 1
BZH38T	Dissimilar	The width of the forehead is dissimilar.

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Image Set Q10: Table 4.10(e) - Forehead

WebCode	Observation	Feature Notes
CKPXLT	Inconclusive	Similar height. Dissimilar width.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	various marks and creases visible in one image which is not reflective in other image
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Forehead – Unknown has wider forehead, 'five-head', with a slight illumination just above the half way point right of midline. Unknow has several vertical lines and/or crease none extending past lateral canthus of either eye. Facial mark, mole, and/or freckle is visible in Unknown only center middle of forehead in line with subject's right lateral canthus. Known has a faint crease about an inch above right eyebrow that runs perpendicular to subjects natural eyebrow growth pattern from medial right eyebrow just prior to arch/drop off. Known's protruding upper half of forehead has two noticeable nodes illuminated in this area of subject's forehead on either side of midline just below hairline. Known forehead comes in slightly at foreheads halfway region forming a hour-glass shaped overall.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Similar	
FZRJT8	Dissimilar	The hairline of the known appears more narrow on the sides and slightly lower on the top of the forehead. The unknown's hairline is wider apart and higher on the top of the forehead.
H2WQ96	Dissimilar	Forehead of known appears slightly higher than unknown's. Brow ridge also seems more pronounced than the unknown.
HFB7XM	Dissimilar	Width and height differs
HRQ6L4	Dissimilar	dissimilar height, width, and prominence
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Appear dissimilar in height, hairline and visible frontal lines.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Forehead is not similar in size/shape/protrusion. Facial markings present in the Unknown are not present in the Known. Frontal lines are not similar in location.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Frontal lines appear in unk that are not present in the known. Cranial vault very similar in both known and unk. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown is larger and wider, frontal lines are dissimilar- unknown has more and in different location, marks on the unknown are not in the same location, brow ridge is further down in the unknown

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Image Set Q10: Table 4.10(e) - Forehead

WebCode	Observation	Feature Notes
LQZ4DH	Inconclusive	
P6CLXG	Similar	
PD3BCW	Dissimilar	Height and curve of forehead appears similar but the width of the unknown's forehead is greater than the known's forehead. There appears to be 2 to 3 very faint creases/lines across the center of each of the known and unknown's foreheads but unlike the straight forehead lines on the known image, the unknown's creases have a slight upward curve that follow the roundness/outward curvature of the forehead. The forehead of the unknown individual appears wider, higher and is slightly more convex than the known individual.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Forehead appears larger in U, relative height/width/slope appear dissimilar; frontal lines present in both appear dissimilar in quantity/location. Brow ridges appear more prominent on K.
PRMQFV	Dissimilar	The prominence of the forehead is similar. The luminance of the forehead is dissimilar. The unknowns forehead appears to be wider and more boxed.
PVM3BV	Dissimilar	forehead appears to be similar in relative shape and size between subjects - both subjects appears to have faint frontal lines but the frontal lines do not appear to be similar in position on the forehead - facial marks can be seen on both subjects that do not line up in the same location on the opposing one
PWHKDW	Dissimilar	unk has a wider and taller forehead than known. facial marks in unk not present in k
PWYRHE	Dissimilar	both are broad
PX9LGZ	Dissimilar	The forehead on the unknown image seems wider and longer. Brow ridges seem slightly different.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The forehead appears to be larger on the unknown. The glabella region appears to be more indented on the known. The brow ridge appears to be more pronounced on the known.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Dissimilar	Size and shape is somewhat similar between the two, though unknown's appears wider. Frontal line positions, number, and curvatures appear different between known and unknown. Contouring at lateral ends of forehead is different with unknown having visible lines coming down to eyebrows, and this is not visible on known.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unk subject has taller and wider forehead.
U778AU	Inconclusive	
UZ6NFC	Dissimilar	
V7PBGV	Similar	

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Image Set Q10: Table 4.10(e) - Forehead

WebCode	Observation	Feature Notes
XPRZMN	Inconclusive	Somewhat similar tall and wide broad shape. Known brow ridges appear more pronounced (likely due to shadowing).
XQMJNP	Dissimilar	Both subjects have tall foreheads; however the overall shape is different.
XTNLEQ	Similar	Matching foreheads
XYERF8	[Not Reported]	Similarities: Forehead shape: relative height - Dissimilarities: Forehead shape: relative width, slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Forehead

Total Participants: 63

Response	Percent Reported
Similar	13 (20.6%)
Dissimilar	45 (71.4%)
Inconclusive	5 (7.9%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known's eyebrows appear slightly more blonde than the unknown's; the overall shape of the eyebrows appears different; the medial distance between the unknown's eyebrows appears longer than the known's
34T74N	Dissimilar	
3LFL7K	Similar	The eyebrows of both are consistent in style, lengthm color and spacing.
3M7MAM	Dissimilar	Variations in eyebrow shapes.
4T9DRJ	Dissimilar	eyebrows seem to be of different color and position and shape.
6JZ4ZJ	Dissimilar	Different Picture A has shorter, straighter, lower-set, and less dense eyebrows that closely follow the eye line. Picture B has arched, longer, denser eyebrows that are set higher above the eyes and extend farther laterally.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The coloration in the eyebrows are different. As well as the length and thickness of the eyebrows between the probe and candidate.
89T2WX	Dissimilar	The color and shape are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Coloring is dissimilar with the unknown’s being darker in color and more rounded in shape, while the known’s are lighter in color/more blonde and have a more linear appearance.
9GLTHW	Dissimilar	color, length, and growth pattern are dissimilar, as known’s are the same color as the hair, more compact in length, and density is more uniform throughout, whereas unknown’s are two-toned, with the medial ends darker and lateral ends lighter, slightly longer, and asymmetric in density, with medial ends thicker and then thinning as the lateral ends are approached; approx. distance between the medial ends is dissimilar, as known’s are closer together, however approx. distance from lateral ends to hairline and distance above the eyes appears to be similar
9KFMFY	[Not Reported]	potential crescent mark/divot above lateral end of right eyebrow of Known(1) does not appear present for Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- thin light colored growth, originate above medial canthus unknown- think dark growth, originate lateral to medial canthus
B2Z6FC	Similar	Similar Shape and thickness. Different colors.
BZH38T	Dissimilar	The shape, color and length of the eyebrows are dissimilar.
CKPXLT	Similar	Similar eyebrows shape, placement, thickness and end points.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	color difference between images, different thickness and curvature of shape
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(f) - Eyebrows

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Eyebrows – Known has eyebrows that have a sharper arch that Unknown, almost a downward turn in right eyebrow. Unknown eyebrows are heavily concentrated in medial area and more sparce in lateral region with in. Distance from eyebrows to eyes is similar in subjects with Unknown distance remaining relatively constant and Known's varying.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known's eyebrows are ticker in the middle and shorter, and lighter color. The unknown's are darker, slightly longer, and uniform thickness.
H2WQ96	Dissimilar	Space between eyebrows seems larger in unknown than in the known. Also the shape appears slightly different. Eyebrows of known seem to come to a point at the arch while the unknown's is more rounded.
HFB7XM	Dissimilar	Different growth pattern and density, reverse asymmetry.
HRQ6L4	Dissimilar	dissimilar color, positioning, and contour.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in color, texture and shape.
JL2M67	Similar	
K3KWNM	Dissimilar	Eyebrows not similar in shape/size/color. They are similar in thickness. Distance between eyebrows is not similar.
KEBXX2	Dissimilar	Different colors and lengths
KHWG47	[No observations reported for this feature.]	
L7ZVC2	Dissimilar	Both have light colored eyebrows with similar hair growth patterns. Placement of eyebrows seems closer in known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is darker in the unknown, texture appears coarser in the known, distance apart is further in the unknown, distance to eyes is shorter in the unknown, vertical glabellar lines are more visible in the known and not in the same location as unknown, length of eyebrows is shorter in the known
LQZ4DH	Dissimilar	Right and left eyebrow
P6CLXG	Dissimilar	

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Image Set Q10: Table 4.10(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The color of unknown's eyebrows appears slightly muted in comparison to knowns lighter, brighter eyebrow color and tone. The unknown's eyebrow texture appears thinner than known with some of the skin visible through the brows. While there are not any visible glabellar lines in either image, the known individual has small indentations at the glabella that do not appear on the unknown individual. Both known and unknown have short, wide eyebrows that do not extend beyond the natural brow line horizontally. The brows of known are slightly overhanging, creating a shadow over the eyes. The growth pattern of known and unknown individual's eyebrows is inconsistent. The brow ridge of the known individual is more pronounced, angular than unknown's smoother, flatter brow ridge. The shape of the temples adjacent to the lateral edge of the eyebrows, diagonal to the hairline is inconsistent between known and unknown images.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyebrows appear dissimilar in shape/color/angle; similar in where they start in relationship to left and right eye; wider apart in U.
PRMQFV	Dissimilar	Distance from the eyebrows to the eyes is similar. The Tone of the eyebrows are dissimilar, reddish orange on the known and brownish on the unknown. Eyebrows are closer together on the known. The arch of the brows are similar. Eyebrows are fuller on the known.
PVM3BV	Dissimilar	brows appear to differ in shape and contour - color of the brows appears to differ - thickness of the hair growth pattern appears to differ
PWHKDW	Dissimilar	length of eyebrows is different in both
PWYRHE	Dissimilar	diferent color
PX9LGZ	Dissimilar	The density and colour of the eyebrows are different.
PY46H2	Inconclusive	Shape similar. Tone different.
Q49MUY	Similar	
QTWDAF	Dissimilar	The eyebrows appear to be lighter, fuller, and more angled on the known. The unknown appears to have full medial portions but the brows get less full laterally. The color is different but this could be due to grooming/hair color. The brows are rounded and further from the lateral canthi on the unknown.
QYFHZU	Inconclusive	The color is lighter in the known. The left eyebrow in the known appears to have more of an arch.
R273NE	Dissimilar	Color and shapes are different, growth patterns in both brows different. Starting points at medial ends and ending points at lateral ends are different.
TBLBPC	Inconclusive	shape similar color different
U6E77R	Dissimilar	different shape, color. thickness. Horizontal end position of lateral eyebrow relative to the lateral canthus is different, unk subject
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	

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Image Set Q10: Table 4.10(f) - Eyebrows

WebCode	Observation	Feature Notes
XPRZMN	Inconclusive	Somewhat similar overall but dissimilar in the details; also the blonde hair and lighting make it difficult to see the Known's eyebrows with certainty. Somewhat similar lateral eyebrow vertical end position relative to medial eyebrow vertical position. Unknown's smiling is causing crinkling around the eyes which is pulling the lateral end of the eyebrow closer to the lateral canthi. Similar vertical end position of medial eyebrow relative to the medial canthus. Dissimilar horizontal end position of medial eyebrow relative to medial canthus; Unknown's medial eyebrows start lateral to the medial canthi especially the left eyebrow, Known's eyebrows start closer to the midline. Similar low-density hair growth. Similar ungroomed/unshaped appearance. Unknown's brows appear straighter with a slight rounded taper towards the tail of the right eyebrow; Known's eyebrows have sharper angles.
XQMJNP	Dissimilar	Known eyebrows are blonde in color. Unknown eyebrows are brown in color.
XTNLEQ	Dissimilar	Variations in eyebrows styling
XYERF8	[Not Reported]	Dissimilarities: Shape, Size, Position, Density of hair, Hair details, Asymmetry - Not comparable: Conjoined
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Eyebrows		Total Participants: 61
Response	Percent Reported	
Similar	9 (14.8%)	
Dissimilar	48 (78.7%)	
Inconclusive	4 (6.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q10: Table 4.10(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's eyes appear slightly lighter than the known, but could be due to light differences; the unknown appears to have a longer intercanthal distance; the unknown appears to have less symmetry with the overall shape and a possible slight lazy/droop eye in the left eye that is not present in the known; both individuals have prominent superior and inferior palpebral creases, but they are different in shape; unknown has prominent crow's feet creases and known does not appear to have any
34T74N	Dissimilar	
3LFL7K	Similar	The eyes appear to be close in color. The spacing is similar between the lateral and medial canthus and the pupils. The upper lids have similar creases.
3M7MAM	Dissimilar	Medial canthal shape asymmetry.
4T9DRJ	Dissimilar	eye fissures are different shape from one to the other, the right eye medial canthus of unknown looks to have a fold of skin which is not on known.
6JZ4ZJ	Dissimilar	Difference in shape and outer corner angle and in eyelid visibility and appearance, Pic B has a darker lasher than pic A
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The overall shape of the eyes appears to be dissimilar between the probe and candidate. The angling of the eyes appears to be dissimilar. The eyes on the candidate look to point downwards while the probe's eyes are more leveled. The shape of the medial canthus of the left and right eyes appears to be dissimilar. The shape of the lateral canthus also appears to be dissimilar. The shape of the eye fissure appears to be dissimilar.
89T2WX	Dissimilar	The shape and wrinkles are different, with some differences due to different expressions
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Dissimilar with the superior crease of the known being more linear while the unknown's is more rounded. The canthus shape of the unknown is pointier while the known's is wider and more rectangular. The known image does not appear to have crow's feet while the unknown does. The creases under the eyes are not consistent. The known's creases are further distance from the bottom lid than that of the unknown images. The right eye lid of the unknown image appears to have a mark/freckle/mole present that is not on the known. Distance from under the bottom lid to the chin is greater on the known image than that of the unknown.
9GLTHW	Dissimilar	approx. intercanthal distance is dissimilar, however the degree of hoodedness is somewhat similar; eye color is somewhat similar, but known's appear to be darker, which could be attributed to lighting differences and shadowing present; shape of superior palpebral creases is dissimilar, as known's possess more linear shapes, whereas unknown's are more rounded; shape is somewhat similar, however alignment is dissimilar, as unknown's appear to be more level than known's; medial canthi shape and amount of caruncle are dissimilar, as known's are shorter, rounded, and have more prominent caruncle, whereas unknown's are elongated, pointed, and caruncle is not prominent; unknown's lashes appear to be longer but this could be attributed to the application of mascara, however known's are difficult to see/compare due to color and lighting; inferior palpebral and infraorbital creases are dissimilar in shape, prominence, and proximity; unknown is displaying several periorbital creases, whereas the known isn't, but this could be attributed to expression difference

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Image Set Q10: Table 4.10(g) - Eyes

WebCode	Observation	Feature Notes
9KFMFY	Dissimilar	: left/right medial canthi of Unknown(2) appear more angular in shape while Known(1) appear more rounded; superior palpebral creases of Unknown(2) appear to have overall more consistent rounded curve while Known(1) appears flatter toward center of curve; left superior palpebral crease of Unknown(2) on medial end bifurcates, crease connects to medial canthi which is dissimilar to Known(1); left iris of Unknown(2) appears to have slightly irregular shape; curve of inferior palpebral creases dissimilar
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- narrow deep set, rounded fissure, no periorbital creases unknown- wider set, narrow fiisure, periorbital creses
B2Z6FC	Similar	Similar shaped medial canthus. Both have a deep superior palpebral crease.
BZH38T	Dissimilar	The shape and size of the eyes are dissimilar.
CKPXLT	Dissimilar	Dissimilar eye and fissure shape and size, inter-eye distance, medial and lateral canthus shape and size, visible sclera, eyelashes, iris diameter relative to eye opening, inferior palpebral crease shape, number and placement.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	eye opening shape dissimiliar, creases around eye area dissimilar in direction and curvature
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Eyes – Overall eye shape and color is similar in subjects. Known has several more crows feet lines than Unknown and 2 superior palpebral creases in left eye.
EGYH2B	Similar	
ELRHHR	Dissimilar	different eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The color of the eyes appears similar, but the known has shadows cast over her eyes. The unknown's eye are more narrow because she is smiling. The medial canthi of the known are more rounded and the unknown's are more pointed.
H2WQ96	Dissimilar	Intercanthal distance and interpupillary distance appear larger in the unknown and the canthus of unknown's eyes appears to turn down where the known's doesn't appear to turn down.
HFB7XM	Similar	Inner canthus distance, shape of medial canthi.
HRQ6L4	Dissimilar	dissimilar color; dissimilar thickness of lower eyelids; dissimilar shape of medial canthus.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Upper eyelids and superior palpebral creases dissimilar.
JL2M67	Inconclusive	

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Image Set Q10: Table 4.10(g) - Eyes

WebCode	Observation	Feature Notes
K3KWNM	Dissimilar	Eyes are not similar in shape/color. Medial canthus is not similar in size/shape. Unknown has a point. Lateral canthus is not similar in size/shape. Superior palpebral crease is similar in shape/size/location. Inferior palpebral crease is similar in shape/size not similar in location. Infraorbital crease is not similar in size/shape/location. Periorbital creases are not similar in size/shape/quantity
KEBXX2	Dissimilar	The shape of the medial canthus looks different to me, with the unknown almost looking like they have a bit of a epicanthic fold
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Eyes are wider set in unk. Similar coloringDissimilar creases under eyes and lack of crowsfeet in known. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	sclera is more visible in the known, medial canthus tilts downward in the unknown, color of eyes is hard to say due to lighting in the known, crows feet are dissimilar, superior palpebral creases are dissimilar, inferior palpebral creases are dissimilar, eyelids are thicker in the known
LQZ4DH	Dissimilar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The overall shape of known's eyes are more symmetrical, left and right eye appear equal in size and shape, as opposed to the more asymmetrical shape and size of the unknown individual's eyes. The unknown individual's left eye appears smaller than the right eye but the smaller size is exaggerated by the somewhat squinting, facial expression. The inner canthal distance is greater on the unknown image. The palbebral fissure height is greater on the known image. The lower eyelid creases are inconsistent in placement, amount and depth. The medial canthi of the unknown individual are thinner and more angular than the known individual.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes appear larger in size in K, may be due to expression; eyeball prominence appears dissimilar; right and left superior palpebral creases appear dissimilar in shape; periorbital creases present in U; iris size appears larger in K; sclera appears similar in color; eyes appear darker in K, may be due to lighting; inferior palpebral creases appear dissimilar in shape; medial canthi appear more pointed in U; lateral canthi appear dissimilar in angle in both; intercanthal and interpupillary distance appears dissimilar.
PRMQFV	Dissimilar	Shape of the left and right medial canthus is dissimilar, pointed downward on the unknown, wider and more rounded on the known. Fold of the upper eyelids are dissimilar. The length and tone of the lashes are dissimilar. The color of the eyes are similar.
PVM3BV	Dissimilar	general size of the eyes appears to be similar - medial canthus' differ with the known be more rounded compared to the unknown being pointed in a downward angle - unknown has more prominent crows feet compared to the known - superior and inferior palpebral creases differ in prominence and shape
PWHKDW	Dissimilar	the shape of the eyes is different
PWYRHE	Dissimilar	same color

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Image Set Q10: Table 4.10(g) - Eyes

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	The medial canthus of the eyes are different. There is a visible asymmetry between the right and left eye (slightly smaller) on the unknown image that is not present on the known image. The eyes on the unknown image ara wider apart than on the known image.
PY46H2	Dissimilar	Known more open, further from brows (expression?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The subjects appear to have a similar light eye color. The sclera appears to be more present on the known. The superior palpebral crease appears to come to a sharper apex on the known left eye. The intercanthal distance appears to be similar. The medial canthi appears to be sharper and more angled on the unknown. The inferior palpebral creases appears to be lower and dissimilar on the known. The eyes appear to be deeper on the known.
QYFHZU	Dissimilar	The intercanthal and interpupillary distance are similar. The eye fissure is similar. The upper eyelids are similar. The lower eyelids appear fuller in the unknown and there are more inferior palpebral creases in the unknown.
R273NE	Dissimilar	Eye shapes and sizes are somewhat similar. Medial canthus shapes are different with unknown's being more pointy and down turned. Under eye line positions and number of them are different. Unknown has crow's feet that are visible on known. Eyelid shapes are different. Position at which eyes sit on face is dfferent.
TBLBPC	Dissimilar	epicanthic folds
U6E77R	Dissimilar	intercanthal distance is different. The right and left medial canthus for known subject are less pointy than those of unk subject.on
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	eye shape seems different
XPRZMN	Inconclusive	Unknown is angled slightly to left, impacting intercanthal distance comparison. Unknown's eyes are squinted from smiling, impacting several details of the eye area (eye fissure shape – more narrow, medial canthi shape – sharper and angular, lower eyelid appearance – more protrusion and visibility of lines). Similar eye width and general shape. Unknown and Known have hooded upper eyelids. The superior palpebral furrow in the Unknown is more rounded, but in the Known it flattens above the pupil. There is more space between the superior palpebral furrows and the eyebrows in the Known. Similar sclera visibility to left and right of iris. Similar iris diameter relative to eye width.
XQMJNP	Dissimilar	Known eyes are round and wider than unknown. Unknown eyes are round on top and flat on bottom. Unknown has lines at outer edges of both eyes; Known has no lines on outer edges of eyes. Facial lines under the eyes are different sizes and shapes on both subjects.
XTNLEQ	Similar	Matching shapes
XYERF8	[Not Reported]	Similarities: Intercanthal distance, Interpupillary distance - Dissimilarities: Eye fissure opening: shape, angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, visibility of the infraorbital furrow, Eyeball prominence, Sclera: visibility, Medial canthus: caruncle, shape, angle, Lateral canthus: shape, angle, Asymmetry

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Image Set Q10: Table 4.10(g) - Eyes

WebCode	Observation	Feature Notes
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Eyes — Total Participants: 63

Response	Percent Reported
Similar	5 (7.9%)
Dissimilar	55 (87.3%)
Inconclusive	3 (4.8%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unknown appears to have more full cheeks, but could be due to expression difference
34T74N	Dissimilar	
3LFL7K	Inconclusive	The cheeks of the known subject are not prominent or very full. Those of the unknown subject are similar in prominence and are more full, possibly from a difference in weight.
3M7MAM	Dissimilar	Different degrees of cheeks prominence.
4T9DRJ	Dissimilar	cheeks are rounder and fuller on unknown.
6JZ4ZJ	Unable To Compare	un clear as picture B is smiling
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The probe appears to have fuller cheeks compared to the candidate. The probe is smile whereas the candidate is not smiling.
89T2WX	Inconclusive	The shape is different, but the height of the cheekbones is similar, with some differences due to different expressions
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Cheeks of the unknown image are fuller and wider than that of the known image. On the right cheek there are marking/freckle/mole present and possible scar on the outside of the nostril that is not present on the known image. The nasal creases appear deeper on the unknown image than that of the known.
9GLTHW	Dissimilar	shape, size, and degree of fullness are dissimilar, as known's are more elongated and flatter in nature, whereas unknown's are more compact and fuller, even when considering expression difference causing unknown's cheeks to bulge up; known's cheekbones are more prominent; unknown has several facial marks scattered throughout which vary in size and pigmentation that the known doesn't
9KFMFY	[Not Reported]	cheeks are more lifted for Unknown(2) than Known(1), expression difference
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	difference in expression known- flat smooth cheeks unknown- full rounded cheeks , possible dimples
B2Z6FC	Similar	Both have cheek bones with little prominance
BZH38T	Dissimilar	The cheek shape around the cheekbone area is dissimilar.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	various marks present in each image which are not reflected in the other image, more curvature to cheeks in unknown
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Cheeks – Unknown has rosy cheeks with the right cheek appearing fuller than the left, which may be attributed to lighting and/or pose angle of Candidate. Nasolabial folds are present in both subjects, but Unknown's is rounded while Known's is straight down in a 45 degree like angle. Known has a faint right dimple slanted close to nasolabial fold. Unknow has a small buccomandibular grove just outside of nasolabial fold that could be mistaken for dimples
EGYH2B	[No observations reported for this feature.]	
ELRHHR	Dissimilar	different in shape
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The cheeks are of similar size and shape. Both have facial marks that the other does not have on their cheeks
H2WQ96	Dissimilar	Known's cheeks appear thinner making the lower half of the face appear more square than the unknown's.
HFB7XM	Dissimilar	Different expression but cheekbones seem larger/rounder with the candidate.
HRQ6L4	Inconclusive	unk image has smiling expression; slightly fuller lower cheeks in known image.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in nasolabial folds, tone and marks.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Cheeks are not similar in size/shape. Known is flatter than the Unknown. Facial markings present in the Unknown are not present in the Known.
KEBXX2	Similar	
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Dissimilar	Similar cheekbone placement in both. Due to expression differences, unk seems fuller cheeks than known. (Sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks are fuller in the unknown, length is longer in the known, marks throughout the cheek in the unknown are not the same in the known in size/location, marks on the known right cheek are not visible in the unknown
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The cheeks of the known and unknown image appear similar in shape, weight and fullness even though the unknown image is smiling causing the cheeks to be raised and plump. There are approximately 4-5 marks that are visible, scattered randomly on the cheeks of the unknown image that are not visible on the known image. There aren't any marks, moles, scars and/or blemishes visible on the known individual's cheeks.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	zygomatic bones appear dissimilar in prominence and shape; soft tissue appears dissimilar in shape/fullness; dimples present in U.

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Image Set Q10: Table 4.10(h) - Cheeks

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Checks are fuller and more pronounced on the unknown, possibly due to the difference in expressions.
PVM3BV	Dissimilar	cheeks differ in fullness with the unknown having more rounded cheeks that appear more full - facial marks can be seen throughout the cheeks of the unknown that are not seen on the known
PWHKDW	Dissimilar	
PWYRHE	Dissimilar	prominent
PX9LGZ	Dissimilar	The cheeks on the unknown image are more chubby (could be due to the expression difference).
PY46H2	Dissimilar	Unknown- cheekbones more prominent, fuller
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The cheekbones appear to be more prominent and higher on the known. The cheeks appear to be fuller on the unknown but this could be due to expression or weight change. The cheeks appear to be taller on the known.
QYFHZU	Inconclusive	The cheeks appear to be fuller in the unknown however, the subject is smiling in the unknown and not in the known which could account for the fuller cheeks.
R273NE	Dissimilar	Known's cheeks appear flatter and less contoured down through cheeks than unknown. Unknown has protrusive cheeks. Unknown has buccal creases that arent visible on known.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unknown subject cheeks rounder, more prominent than known subject
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Inconclusive	Unknown’s smiling is causing cheeks to appear full and rounded. Known’s cheeks appear flatter with minimal contour from the cheekbones to the jaw.
XQMJNP	[Not Reported]	Unknown cheeks appear to be fuller than known; this could be due to expression change--unknown has an open smile.
XTNLEQ	Inconclusive	Not apparent
XYERF8	[Not Reported]	Dissimilarities: Cheekbone prominence, Cheek shape - Not comparable: Dimples
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q10 Cheeks		Total Participants: 59
Response	Percent Reported	
Similar	4 (6.8%)	
Dissimilar	40 (67.8%)	
Inconclusive	13 (22.0%)	
Unable to Compare	2 (3.4%)	
Not Applicable	0 (0.0%)	

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Image Set Q10: Table 4.10(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unknown appears to have a more broad nasal root; unknown appears to have a more defined nasal bridge; unknown has a more bulbous nasal tip with more flared shaped nasal alae; unknown's columella appears wider than the known's
34T74N	Dissimilar	
3LFL7K	Inconclusive	The noses of both are similar in shape, to include the nostrils, length and width. The tip and the columella appear different, possibly from weight difference or lighting.
3M7MAM	Dissimilar	Different nose shapes.
4T9DRJ	Dissimilar	shape of nostrils and how ala connect is different between known and unknown. Nasal tip more bulbous on unknown and overall nose on know is straighter on known.
6JZ4ZJ	Dissimilar	Difference in overall shape and width and depth, and height of the nasal root. Difference in nasal width and contour. Difference in both shape and tip angle.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The shape of the nostrils appears to be dissimilar between the probe and candidate. The probe appears to have a larger nasal tip compared to the candidate. Both probe and candidate have a slim nasal body, but the shape of the nasal body appears to have dissimilarities.
89T2WX	Dissimilar	The shapes of the nasal tip and nasal root are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known images bridge of the nose is wider and more rounded while the unknowns bridge has ridges/pointy (not smooth edges). The tip of the nose on the unknown image is boxier and thicker thru the tip and columella. Under the right nostril of the unknown are two mark/freckles, and also on the outer side under the nose of the left, is another facial marking that is not present on the known image. The distance from tip of the nose to the upper lip is greater in the known image than that of the unknown.
9GLTHW	Dissimilar	overall shape, size, and degree of protrusion are dissimilar; nasal bridge is dissimilar in width and shape, as known's is narrower and straight, whereas unknown's is wider and flares outward at the top; nasal body is dissimilar, as known's possesses a slight curve, whereas unknown's is relatively straight; nasal tip is dissimilar in shape and size, as known's is smaller, smoother, and more uniform in shape; nasal base is dissimilar in width, as unknown's is wider; ala shape, size, and thickness are dissimilar, as known's is rounded in shape, thicker, and smaller, whereas unknown's is more elongated and thinner; ala attachment is dissimilar, as unknown's is attached higher above the columella than the known's; columella is dissimilar in shape and width, as unknown's is a rounded "v" shape and thinner, whereas unknown's is wider and a squared "v" shape; nasolabial folds are difficult to compare due to expression differences, however unknown' s are angular in shape, whereas known's appear to possess a small curve; the known has what appears to be a light brown facial mark adjacent to the left nasolabial fold that is not present on the unknown
9KFMFY	Dissimilar	Unknown(2) appears to have more rounded nasal tip while Known(1) appears more narrow; approx. width of columella appears wider for Unknown(2) than Known(1)

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Image Set Q10: Table 4.10(i) - Nose

WebCode	Observation	Feature Notes
9U4MPG	Dissimilar	Wider nasal base and tip of nose, wider nasal root in unknown
AKVB9D	Dissimilar	known- wide convex nasal body, narrow nasal root,smooth nasal tip, narrow columella unknown- narrow, concave nasal body, wide nasal root,rounded nasal tip, wide columella
B2Z6FC	Dissimilar	Both have a square shaped columella but known's is thinner. Similar length nasal body. Unknown has a thicker nasal root. unknown has a slight curve to the nasal body
BZH38T	Dissimilar	The shape of the nasal tip is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose bridge, body, tip, columella, alae and nostrils shape, size and angle.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	nostrils and nose tip appear thinner in known image, nasolabial creases appear to curve differently within the images
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Nose – Known has a thinner nasal body, thick short ala, and smaller nasal base. Columella Known protrudes further than Unknown and is wider and thicker. Unknown has slight slant in nasal body, almost shaped like a comma, which is wider than Known. Unknown has teardrop shaped nostrils and a wider nasal base.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, geometric shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known's nasal root is narrow and nasal body is wide. The unknown's nasal root is wide and her nasal body is narrow. The known's columella appears more narrow than the unknown's
H2WQ96	Dissimilar	Tip of unknown's nose appears larger, more rounded, and also appears lower than the known's. Unknown's columella appears wider than known's.
HFB7XM	Dissimilar	Different asymmetry, Probes nasal root and columella appear to be narrower and tip is smaller in general.
HRQ6L4	Dissimilar	dissimilar width and prominence of nasal root and body; dissimilar shape and prominence of nasal tip, and width of nasal base.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar nasal root, body, tip and base.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Nasal root is not similar in shape/size. Nasal body is not similar in size/shape/thickness/curvature. Nasal tip is not similar in shape/size/curvature. Ala are not similar in size/shape/thickness. Nostrils are not similar in shape. Columella is not similar in size. Nasolabial folds are not similar in shape/size.
KEBXX2	Similar	
KHWG47	Dissimilar	

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Image Set Q10: Table 4.10(i) - Nose

WebCode	Observation	Feature Notes
L7ZVC2	Dissimilar	Nasal root is more narrow in known. Angle of nose bent to right in known. Angle of nose in unk bends to left. Bulb of nose is larger in unk. Both have similar nostril angles but ala of unk are wider. Tip of nose wider in unk.(Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	nasal root is narrower in the known, length looks longer in the known, bridge is thicker in the unknown, tip appears to be wider in the unknown, nostril shape/size is hard to say due to angles and expression in unknown, ala thickness appears to be thicker in the known, mark on the bridge on left side of known that is not visible in the unknown
LQZ4DH	Dissimilar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The width of the bridge of known's nose is wider across the center but the tip and ala are smaller than unknown. The nasal base is wider on the unknown image. The columella of the unknown image is wider horizontally but shorter vertically than the known image. The nostrils of the unknown image appear more angular, have more of an upward flare, than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasal root appears wider in U; nasal body appears wider in K; deviation appears dissimilar; nasal tip appears dissimilar in width; columella appears dissimilar in size; alae appear dissimilar in size; nostrils appear dissimilar in size and shape; distance from nose to mouth longer in K, may be due to expression.
PRMQFV	Dissimilar	Length of the nasal body is similar. Appears to be wider on the known. Tip of the nose is dissimilar, more bulbous on the unknown. The curvature of the nostrils is similar. Creases on the unknowns left and right nostrils, not found on the known. Left and right ala are found in different locations. The columella is wider on the unknown and hangs lower on the known.
PVM3BV	Dissimilar	relative length of the nose appears to be similar - shape of the nasal tip and ala appear to differ with the unknown tip being wider and the ala curving upward more - nasal body of the known appears to be a bit thicker than the unknown - nasolabial folds appear more prominent on the unknown, this could be due to the expression difference
PWHKDW	Dissimilar	nose tip in unk is bigger than known. nostrils appear smaller in known than unknown
PWYRHE	Dissimilar	Leptorrhic nose. Deviated nose.
PX9LGZ	Dissimilar	The noses are curved in different directions. The nose on the unknown image is longer and nose tip more bulbous. Also the nasal bridge is wider on the unknown image.
PY46H2	Dissimilar	Unknown- alae more flaired
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The nasal root appears to be wider and more angled on the unknown. The nasal body appears to be thicker on the known. The nasal tip appears to be more bulbous on the unknown. The columella appears to be wider on the unknown. The nostrils appear to be larger on the unknown however this could be due to expression change. The ala appear to be thicker on the known.

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Image Set Q10: Table 4.10(i) - Nose

WebCode	Observation	Feature Notes
QYFHZU	Inconclusive	The nasal root, body, and base are all similar. The nostril openings are similar. The nasal tip and columella appear to be wider in the unknown.
R273NE	Dissimilar	width and indention at nasal root is different with unknown's being wider and Ving down whereas known is gets slightly wider down toward body. Curvature and width down through body is different. Bulb size is different. Columella size is also different though similar shape. Ala shapes are different. Nostril shapes and sizes are different.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	nasal root and tip are wider in unknown subject. Unk subject has thinner nose and wider columella.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	known nose fatter
XPRZMN	Inconclusive	Smiling and different head angle in Unknown impacting nose comparison. Nasal root in Known might be more narrow, but this appearance could be caused by the shadowing in the orbital area. Unknown's nasal body might be more narrow, it looks like the sides of the nasal body might be more steeply sloped than in the Known. The Unknown's nasal tip is more prominent and rounded with a wider nasal base (could be caused by smiling) and larger ala. Unknown's columella is wider
XQMJNP	Dissimilar	Known nose has a skinny bridge at the top that gets wider as it gets to the base. Unknown has a bridge that is wider at the top, skinny in the middle and then wider at the base. Unknown tip of nose is rounded and distinct from the nostrils and then has a wide flat bottom between the nostrils.
XTNLEQ	Similar	Matching nasal structure
XYERF8	[Not Reported]	Similarities: Nasal body: length, Nostrils: shape, size – right - Dissimilarities: Nasal outline: shape, length, width, prominence, Nasal root: width, length, shape, depth, angle, Nasal body: width, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Columella: width, length, relative position - Not comparable: Nostrils: hair, Asymmetry and deviation
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Nose

Total Participants: 63

Response	Percent Reported
Similar	2 (3.2%)
Dissimilar	58 (92.1%)
Inconclusive	3 (4.8%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unable to fully compare due to hair covering and pose in unknown; both individuals have two piercings present on the right ear lobe; definition or prominence of the right ear lobe appears different; known appears to have a more prominent anti-helix
34T74N	Inconclusive	
3LFL7K	Inconclusive	The only portion of the ears visible on the unknown subject is the antihelix and lobe. There does not appear to be any significant difference but is not enough information for me to conclude similarity.
3M7MAM	Dissimilar	Asymmetry in visible auricular morphology.
4T9DRJ	Dissimilar	right ear has different shape. above pericing. Lobes are more detached on known than unknown.
6JZ4ZJ	Unable To Compare	Unclear as picture B – right and left ears are covered by hair
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The overall shape of the ears appears to be dissimilar between the probe and candidate. The shape of the anti-helix of the right ears appears to be dissimilar.
89T2WX	Dissimilar	Partially obscured, with different earlobes
8FP3RH	Dissimilar	
8ZX32H	Unable To Compare	
93ZDEX	Dissimilar	Due to hair covering most of the unknowns ear, there is not much to compare but the left lobe area which does not appear consistent in shape. The lobe of the unknown appears to be more attached with not much lobe present. And the antitragus shape of the unknown appears to be more bulbous and protrude more than that of the known image.
9GLTHW	Dissimilar	unknown's left ear and upper portion of right ear is covered by hair, so it can't be compared; lower portion of unknown's indicates that degree of protrusion, lobe attachment, antitragus thickness, and helix and anti-helix shape and thickness are all dissimilar
9KFMFY	[Not Reported]	left ear is not visible for Unknown(2) due to angle of head and being covered by hair; parts of right ear of Unknown(2) not visible due to hair; both appear to have double stud earrings present in lobe area of right ear; Unknown(2) area around right antitragus appears rounder and to protrude more than Known(1)
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	Right ear comparison- known- detached lobe, flat antitragus/posterior auricular furrow area. unknown attached lobe , rounded/protruding antitragus/posterior auricular furrow area.
B2Z6FC	Dissimilar	Unknown appears to have a lobe that attaches to the chin. Known has a visible tragus. Unknown has a large antitragus
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Dissimilar	Dissimilar right ear lobe shape, size and fullness.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	one ear not visible in unknown image, ear lobe dissimilar in shape and curvature

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Image Set Q10: Table 4.10(j) - Ears

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Ears – Due to subject's hair ears are not fully visible for comparison. Known appears to have attached lobes that are pierced with a concha shape like a kidney. Unknown has one right earring but two left earrings on detached ear lobes that sits lower from antitragus than Known.
EGYH2B	Not Applicable	
ELRHHR	Inconclusive	not visible enough
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The unknown's left ear is obscured by hair. The known's lower half of her ear is visible, and it appears her antihelix does not pritrude as far out as the known's antihelix does.
H2WQ96	Dissimilar	Most of unknown's ears are covered by hair, but the right lobe appears to look different than the known's.
HFB7XM	Dissimilar	Candidate: thicker lobe and antitruagus more protruding. Right ears helix appear to differ in shape and direction.
HRQ6L4	Dissimilar	left ear of unk image obscured by hair; right ear: dissimilar shape and contour of ear lobe and antihelix.
HUCPQ8	Inconclusive	
HYQFYM	Dissimilar	Somewhat obscured by hair of Unknown. Lobe appears dissimilar.
JL2M67	Unable To Compare	
K3KWNM	Dissimilar	Only one ear, right ear is visible in the Unknown. Lobe is not similar in shape/size. Antitragus is not similar in size/shape. Due to hairstyle, unable to compare many parts of the ear.
KEBXX2	Unable To Compare	Only the lower portion of one ear is visible on the unknown but it seems similar in shape
KHWG47	Unable To Compare	
L7ZVC2	Dissimilar	Only right ear visible in both. Earlobe appears more attached in unk. Antihelix differs in shape between known and unk. (Dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	left ear in unknown is covered by hair therefore cannot be compared, top part of the right is covered by hair as well in the unknown, both have ears pierced with two earrings in the lobe, the right lobe appears attached in the unknown, the lobe in the known is not, ear lobe shape/size is dissimilar
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Only the bottom half of the right ear is visible on the unknown image. The antitragus of the unknown individual is larger and curves outward unlike known individual. The earlobes appear to be similar in size and each image has small earrings. The contour of the lower half of known's ear has a slight, diagonal line/outward protrusion in contrast to the straighter, more vertical contour of unknown's ear.
PGNVGZ	Unable To Compare	

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Image Set Q10: Table 4.10(j) - Ears

WebCode	Observation	Feature Notes
PKLEJY	[Not Reported]	Right earlobe appears more protruded in U and appears more attached; antitragus appears larger in U; piercings present in both right ears.
PRMQFV	Inconclusive	Unknowns ears are mostly covered. Anti helix is more prominent on the unknown. Both subjects have double ear piercings.
PVM3BV	Dissimilar	majority of the unknown ears are not visible for comparison - visible portion of the right lobe appears to be slightly thicker on the unknown than that of the known
PWHKDW	Dissimilar	only lower right ear lobe observed in unk and it appears different in shape than known
PWYRHE	Dissimilar	one earlobe open, the other attached
PX9LGZ	Unable To Compare	
PY46H2	Dissimilar	Right ear- lobe
Q49MUY	Unable To Compare	
QTWDAF	Dissimilar	The right ear appears to have a larger angle of protrusion on the known. The lobe appears to be thicker and shorter on the unknown. The antihelix appears to be more pronounced on the known. The left ear is not able to be compared due to obstruction
QYFHZU	Inconclusive	The left ear in the unknown is not visible. The top of the right ear in the unknown is not visible. The left ears are consistent in size, shape, and placement.
R273NE	Dissimilar	Can only see right ear of unknown. Protrusion of earlobe in right ear is different. Both has two earrings in that earlobe. Intertragic notch shape is different.
TBLBPC	Unable To Compare	not enough visible
U6E77R	Dissimilar	not much to compare but right lobes look different
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Inconclusive	obscured
XPRZMN	Dissimilar	The lower ¾ of Unknown's right area is visible for comparison; different head angle could impact how the ear is viewed. Known's ear protrudes from the head more and appears to have a more triangular shape (based on the angle of the helix against the Unknown). Known's antihelix appears thicker. Dissimilar tragus, it is not visible in the Unknown, but it is visible in the Known. Unknown's earlobe appears fleshier with contours not present in the Known. Known's earlobe appears more detached than the Unknown's. Two right ear lobe piercings are present in the Unknown and Known, but it looks as though the piercings are lower on the Unknown's lobe.
XQMJNP	Dissimilar	Unknown only has right ear partially visible; it is not the same shape as Known ear.
XTNLEQ	Unable To Compare	Earrings obstruct ear shape

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Image Set Q10: Table 4.10(j) - Ears

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Right ear only - Dissimilarities: Ear protrusion, Antihelix: size, shape, Concha: size, shape, Antitragus: size, shape, protrusion, Posterior auricular furrow: size, shape, Lobe: size, shape, attachment - Not comparable: Asymmetry, Overall ear: size, shape angle, Helix: size, shape, Tubercles: size, shape, quantity, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Tragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Abnormalities
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Ears

Total Participants: 62

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	37 (59.7%)
Inconclusive	13 (21.0%)
Unable to Compare	11 (17.7%)
Not Applicable	1 (1.6%)

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Image Set Q10: Table 4.10(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unknown appears to have a slightly larger mouth, but could be due to expression difference; distance between the upper lip and nose appears slightly different even with the expression difference; known has a more prominent philtrum; unknown appears to have a more prominent/full lower lip
34T74N	Dissimilar	
3LFL7K	Inconclusive	For the mouths, the upper lips of both are thin, the lower lip of the unknown subject is more full than known subject. The cupid's bow on known's upper lip is not a prevelant on unknown. The mentolabial sulcus is similar on both.
3M7MAM	Inconclusive	Mouth open in known person and mouth closed in unknown person.
4T9DRJ	Dissimilar	the distance of the philtrum from base of nose to top of mouth is much greater on known and almost non-existent on unknown.
6JZ4ZJ	Dissimilar	Overall mouth shape Lower lip for B picture is fullness
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The fullness of the lower lips appears to be dissimilar between the probe and candidate. The shape of the upper vermillion border also looks to be dissimilar.
89T2WX	Dissimilar	The upper lip peak is similarly flat, with some differences due to different expressions
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	There is an expression difference with the known image having lips together no smile, and the unknown having open mouth smile with teeth exposed. Both images appear to have thin upper lips, but the bottom lip of the unknown appears fuller and slightly more wide than that of the known image. The center of the bottom lip appears less full on the known image.
9GLTHW	Dissimilar	overall shape and size are difficult to compare due to expression difference, as well as philtrum characteristics; despite the unknown's being stretched by the smiling expression displayed with teeth showing, the mouth appears to be larger overall with fuller lips; lip color is dissimilar, as known's are a purple-brown color, whereas unknown's are a bright pink tone, but this difference could be due to the application of makeup or shadowing present on the known's face; unknown has several dark pigmented facial marks scattered around the mouth, that are not present on the known
9KFMFY	Dissimilar	difference in expression, mouth is closed in neutral expression for Known(1) while Unknown(2) has mouth open and upper teeth visible in smiling expression; rounded curve of lower vermilion border to corners of mouth for Unknown(2) appears wider, Known(1) appears to have thinner lower lip
9U4MPG	Dissimilar	More visible cupids bow in known
AKVB9D	Dissimilar	difference in expression- known- narrow mouth fissure, small lower lip unknown- wide mouth fissure, thin lips, full lower lip
B2Z6FC	Similar	Similar upper and lower lip thickness. Similar upper vermillion border
BZH38T	Unable To Compare	The mouth cannot be compared because one person is smiling.

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Image Set Q10: Table 4.10(k) - Mouth

WebCode	Observation	Feature Notes
CKPXLT	Dissimilar	Dissimilar overall mouth and fissure shape and size, upper and lower lip tone, shape, size and fullness, teeth visibility and philtrum length.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	thinner lower lip in known image, cupids bow appears dissimilar between images
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Mouth – Fissure smile of Known is long with upper gums visible. Known has longer teeth than Unknown, with left front tooth just a sitting slightly lower than right. Unknow has wide smile, thinner bottom lip that have faint vertical striae from bottom of lower lip to mid-lower lip. Unknown left nasolabial fold extends past lateral commissure. Mentolabial sulcus only seen in Known, however this could simply be shadowing caused my lighting.
EGYH2B	Similar	
ELRHHR	Dissimilar	different expression, texture and color
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The unknown's mouth is open in a smile. The known's cupid's bow appears more distinct, but that could be due to the unknown's expression
H2WQ96	Similar	Mouth appears similar in size and shape, but it's difficult to compare due to difference in facial expressions.
HFB7XM	Dissimilar	Different expression, but probes lower lip seem to be fuller even so.
HRQ6L4	Dissimilar	unk image has smiling expression and makeup; vermillion borders appears dissimilar but could be due to expression; similar thickness accounting for difference in makeup.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Fissure and lip details appear dissimilar.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Lips are not similar in color/shape/size. Vermillion border is not similar in shape/contour. Philtrum is not similar in size/shape/location. Unknown is smiling showing teeth. Lip creases on both lips are not similar in shape/quantity. Facial markings above the mouth and below the nose in the Unknown is not present in the Known.
KEBXX2	Dissimilar	Due to the differences in facial expression (smiling vs closed) I can't compare them fully. They both seem to have relatively thin lips but the known seems to have a greater distance between the nasal base and the upper lip and a more pronounced philtrum but again this could be due to differences in facial experssion.
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Dissimilar	Cupids bow more pronounced in known, but expression in unk may cause difference. Sulcus less apparent in unk. (Dis)
L8289G	[No observations reported for this feature.]	

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Image Set Q10: Table 4.10(k) - Mouth

WebCode	Observation	Feature Notes
LADNAL	Dissimilar	mouth is wider in the unknown, mouth is open with teeth showing in the unknown, known mouth is closed with neutral expression, bottom lip on unknown is thicker, top lip is thin in both but appears to be slightly thinner in the known, marionette lines are dissimilar
LQZ4DH	Dissimilar	Overall shape
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	The overall shape and fullness of the upper and lower lips is similar in appearance between the known and unknown images. The unknown individual has a broad open-mouthed smile, teeth visible and the known individual has a closed mouth, neutral expression. The distance between the upper lip and columella is inconsistent. The philtrum and philtral ridges are longer and wider on the known image. cupid's bow appears more defined on known image than unknown image. There are two small, darker round spots above the right side of the upper lip, under the right side of the nose, and one on the left side above the upper lip of the unknown image that are not visible on the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Upper vermillion border appears more defined in K; philtrum appears wider and more defined in K; lower lip appears fuller in U; corners of mouth appear to turn farther downwards in K, may be due to expression; lower vermillion border appears dissimilar; tonality of lips appear dissimilar, could be makeup; lip creases appear dissimilar.
PRMQFV	Dissimilar	There is a difference in expressions, Unknown is smiling showing teeth. Lips are thin on known and unknown. Tone of the unknowns lips are more pinkish. The Curvature of the lips are dissimilar. Cupids bow on the known, not found on the unknown. Known has marionette lines, not found on the unknown, possibly due to the difference in expressions.
PVM3BV	Dissimilar	expression of the mouth appears to differ - facial marks seen around the mouth of the unknown do not appear to be seen on the known - general thickness of the lips appear to differ along with the color of the lips - the angle of the corner of the mouth appear to be at a more downward angle on the known compared to the unknown
PWHKDW	Dissimilar	known has thinner lips than unknown
PWYRHE	Dissimilar	Thin lips.
PX9LGZ	Dissimilar	There is a longer philtrum on the known image.
PY46H2	Dissimilar	shape, philtrum length (expression?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The cupids bow appears to be deeper on the known. The lower lip appears to be thinner on the known. The fissure appears to be more irregular on the known. The mentolabial sulcus appears to be deeper on the known. Both subjects both appear to have multiple lines on the lips however they are not in common.
QYFHZU	Similar	The subject's lips are together in the known and smiling with lips apart in the unknown. The size, shape, and placement are similar.
R273NE	Dissimilar	Top and bottom lip shapes are different. Mouth ends are different shapes and angles. Known has visible marionette lines not visible on unknown. Mouth fissure curvature is different. Known has a visible philtrum not seen on unknown.

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Image Set Q10: Table 4.10(k) - Mouth

WebCode	Observation	Feature Notes
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unk subject has bigger mouth, fuller lower lip. Her mouth is further from chin.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	philtrum different
XPRZMN	Inconclusive	There is minimal visibility of the Unknown's philtrum, it is spread out/flattened from smiling. Known's philtrum is narrow, long, and has defined philtrum ridges. Upper lip shape appears consistent, cupid's bow is more defined in Known and flattened in Unknown from smiling. Lower lip appears fuller in the Unknown, which could be explained by makeup usage. Unknown's lip color is pink, Known's is darker. It is possible the Unknown is using lip makeup to line outside the lower vermillion border; the vertical lip creases end a couple of millimeters above the pink edge at the midline. The medial sulcus is closer to the lower lip edge in the Unknown.
XQMJNP	Dissimilar	Known has thin lips, dark in color, with a cupids bow. Unknown has a thinner upper lip than bottom lip, her lips are pink in color.
XTNLEQ	Similar	Matching similarities
XYERF8	[Not Reported]	Dissimilarities: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, fullness, protrusion, lower vermillion border shape, detail - Not comparable: Lip fissure: shape, degree of contact, angle, Asymmetry, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Mouth

Total Participants: 63

Response	Percent Reported
Similar	5 (7.9%)
Dissimilar	49 (77.8%)
Inconclusive	7 (11.1%)
Unable to Compare	2 (3.2%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(I) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known appears to have a lower jawline around the gonial angle; unknown appears to have a more prominent chin; known has a more prominent mentolabial sulcous
34T74N	Dissimilar	
3LFL7K	Similar	The chins and jawline on both known and unknown are consistent in shape. The gonial angle is not prominent on either.
3M7MAM	Dissimilar	Chin contour asymmetry.
4T9DRJ	Dissimilar	chin and jaw much higher on known than unknown, mentolabial sulcus is higher on unknown.
6JZ4ZJ	Dissimilar	Overall shape Length or width or both relative to rest of face, Jawline shape
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The shape of the jawlines appears to be dissimilar between the probe and candidate. The candidate appears to have wider jawline compared to the probe. The shape of the chin appears to be dissimilar as well. The candidate appears to have a squarer chin while the probe looks to have a more rounded
89T2WX	Dissimilar	The shape is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known is fuller and wider/more square across the entire chin and jawline area. The unknown is rounder through the chin and jaw area. Also there are numerous facial markings/moles/freckles on the unknown image that are not present on the known image. The chin of the known image appears more defined/linear than that of the rounded chin of the unknown.
9GLTHW	Dissimilar	shape and length of the jawline are dissimilar, as known's is linear, defined, and significantly longer, with a prominent gonial angle, whereas unknown's possesses more of a curve and is softer in appearance; width, height, shape, and prominence of the chin are dissimilar, as known's is squared off, narrower, shorter, and more defined with a minor cleft, whereas unknown's is softer, "U" shaped, wider, and taller/larger with a rounded contour
9KFMFY	Dissimilar	overall shape of chin appears slightly flatter at bottom of chin for Unknown(2), appears slightly wider; chin of Known(1) appears less prominent; expression difference can contribute to prominence of Unknown(2) as chin appears to be jutting out more from smiling expression
9U4MPG	Dissimilar	Smaller pointier chin in known
AKVB9D	Dissimilar	known-high angle jawline, wide chin with slight cleft. unknown- low angle jawline wide chin no cleft
B2Z6FC	Dissimilar	Known has a visible cleft chin with a low gonial angle. Unknown has a higher gonial angle in line with the mouth
BZH38T	Dissimilar	The chin shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar chin shape and size and potential cleft.

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Image Set Q10: Table 4.10(l) - Chin/Jawline

WebCode	Observation	Feature Notes
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	pointy in known and square in unknown
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Chin/Jawline – Unknown has square jawline into a rounded chin. Known has a chin that protrudes slightly forward.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different shape and size
FBEYWM	Inconclusive	
FZRJT8	Inconclusive	The known's jawline appears more angular, but their chins appear similar.
H2WQ96	Dissimilar	Known's jawline appears more square and the unknown's chin appear more rounded.
HFB7XM	Dissimilar	Probe appear to have wider jaw and a shorter/lower chin.
HRQ6L4	Dissimilar	shape and prominence dissimilar; some due to expression; known image has slight cleft chin.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Jawline and chin shape dissimilar.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Chin is not similar in size/shape. Jawline is not similar in shape/size. Gonial angle is not similar. Mentolabial sulcus is not similar in size/shape/location Buccal crease is not similar in size/shape/location. Facial markings present in the Known are not present in the Unknown.
KEBXX2	Dissimilar	Both seem to possess a strong, square chin though the known almost looks like there is a cleft (possibly due to lighting/shadows). The known also seems to have a mentolabial sulcus but this could be due to the differences in facial expression.
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Jawline of known appears more squared than unk. Chin appears wider and without dimpling in unk, while known has slight dimpling but may be exaggerated due to overhead lighting of subject. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	length of chin is longer in the unknown, marks on the chin in unknown are dissimilar, jawline appears shorter in the unknown, mentolabial sulcus is dissimilar, shape of shin is squarer in the unknown where the probe is more round
LQZ4DH	Inconclusive	
P6CLXG	Dissimilar	

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Image Set Q10: Table 4.10(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The chin of the known image blends evenly into the jaw. The chin and jawline of the known image is smooth and rounded. Known's chin has a slight upward turn and is round in comparison to the flat appearance of known's chin. The mentolabial sulcus is shorter and is visibly indented unlike the flat, straight mentolabial sulcus on the unknown image. The gonial angle on the unknown image is higher, wider and is more angular from the chin to the earlobes than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Chin appears shorter on K and wider, dissimilar in shape and size, more of cleft in K; jawline appears dissimilar in shape and definition, gonial angle appears dissimilar.
PRMQFV	Dissimilar	Unknowns chin is more “U” shaped, knowns is more squared. Knowns jawline is more squared.
PVM3BV	Dissimilar	the shape of the chin appears to differ with the known having a cleft chin and a wider more square jawline compared to the unknown - some facial marks can be seen in the chin and jawline of the unknown that do not appear to be visible on the known
PWHKDW	Dissimilar	known has more of a square chin/jawline and unk is more rounded
PWYRHE	Dissimilar	square and prominent
PX9LGZ	Dissimilar	The jawline on the known image is more squared shape than on the unknown image. Also the chin seems more protruding on the known image.
PY46H2	Dissimilar	Known squared off with split
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The chin appears to be longer but less wide on the unknown. The jawline appears to be more squared on the known.
QYFHZU	Inconclusive	The chin and jawline are similar although it looks like the chin is longer in the unknown.
R273NE	Dissimilar	Gonial angles are different. Curvatures of jawlines are different. Chin shape and size are different with unknown more rounded and known has clefted chin.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	chin rounder in unk subject pic. Known subject has squarer jaw, possibly a tiny cleft.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Inconclusive	The Unknown’s chin appears flatter (from mouth to bottom of chin) and more squared at the midline. The Known’s chin has more contours (from mouth to bottom of chin, shadowing accentuates this difference) and more rounded at the midline with chin cleft (could also be impacted by the shadowing). The jawline appears dissimilar, likely impacted from different expressions. Known’s gonial angle appears closer to 90 degrees than Unknown’s

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Image Set Q10: Table 4.10(I) - Chin/Jawline

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Known jawline is square and chin appear to possibly have a "dimple" in the middle. Unknown chin is square but the jaw line curves upward to the ears starting at the edges of the chin.
XTNLEQ	Similar	Matching gonial angles
XYERF8	[Not Reported]	Dissimilarities: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Chin/Jawline

Total Participants: 63

Response	Percent Reported
Similar	2 (3.2%)
Dissimilar	56 (88.9%)
Inconclusive	5 (7.9%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unknown appears to have a wider neck relative to the head; both individuals have prominent neck creases, but their prominence, shape and relative location appear different
34T74N	Dissimilar	
3LFL7K	Inconclusive	The neck of unknown is wider than that of known. There are creases visible on both, but I'm unsure as to their correspondence.
3M7MAM	Dissimilar	Neck wrinkle asymmetry.
4T9DRJ	Dissimilar	neck of unknown has two clear lines and on known only has one.
6JZ4ZJ	Inconclusive	Pic A- neck is covered by high neck sweater
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Neck wrinkles are visible on both the probe and candidate. But they do not line up with one other.
89T2WX	Dissimilar	The neck lines are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The neck of the unknown is wider/thicker. There are 2 prominent creases on the neck of the unknown with markings/freckles/moles that is not consistent with the known image. The known image appears to have a more prominent crease with a less prominent crease under it that is not present on the unknown image.
9GLTHW	Dissimilar	width, length, and musculature are dissimilar, as known's is narrower, longer, and musculature is not as prominent; unknown's becomes wider at the base, whereas known's appears to be uniform in width; neck wrinkles are dissimilar in quantity and spatial location
9KFMFY	[Not Reported]	upper prominent neck wrinkle of Unknown(2) has fainter neck wrinkle present curving close above it that is dissimilar to Known(1); lower prominent neck wrinkle of Unknown(2) appears more prominent on left side of neck than lower neck wrinkle of Known(1)
9U4MPG	Dissimilar	Appear slimmer/longer in known
AKVB9D	Dissimilar	known- long, narrow unknown- shorter/wider- neck wrinkles do not correspond
B2Z6FC	Dissimilar	Unknown appears to have a wider neck. Both have creases that span the width of the neck and curve up towards the jaw
BZH38T	Dissimilar	The length, width of the neck and the wrinkles around the neck are dissimilar.
CKPXLT	Inconclusive	Similar height. Dissimilar width.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	creases do not appear similar in location and relationship
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	[Not Reported]	Neck – Known has a long neck with a horizontal crease in the center in line parallel to chin of subject. Small freckle, mole, and/or mark on right side of Known's neck below crease and in line with l on the Faint horizontal crease in the center of neck seen in Known
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric dimension
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	Both have neck creases, but they are not the same. The known's necks appears more narrow than the unknown's
H2WQ96	Dissimilar	Unknown's neck appears wider, and, though they both have neck creases, they appear different.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar width.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Similar in size. Dissimilar neck wrinkles.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Neck is not similar in length/width. Wrinkles is not similar in shape/size/location/quantity.
KEBXX2	Similar	Less of the neck on the known is visible but both seem to have a strong neck crease in the approximate same location on the part that is visible
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Lines on neck different in unk than known. Both have similar length of neck. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	neck creases are dissimilar, unknown neck is thicker, length of known neck is longer, marks on the unknown neck are dissimilar
LQZ4DH	Inconclusive	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The neck of the known and unknown images appears to be consistent in width, length and weight. There appears to be 2 lines across the center area of each known and unknown's neck. The neck creases are further apart and more defined on unknown image and are inconsistent in length, amount and distance in relationship to each other. The base of unknown's neck at the collarbone is wider and the soft tissue appears more dense than known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Neck creases in both, however dissimilar in location and quantity, similar in depth.
PRMQFV	Dissimilar	Creases in the neck are dissimilar in arrangement, and amount. Length of the neck appears to be similar. The unknowns neck appears to be wider.

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Image Set Q10: Table 4.10(m) - Neck

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	neck appears to be similar in relative thickness - the creases on the necks of both subjects differ in shape and location on the neck - freckle like marks appear to be seen on the neck of the unknown that are not visible on the known
PWHKDW	Dissimilar	neck creases are different
PWYRHE	Dissimilar	Long neck.
PX9LGZ	Dissimilar	The neck on the unknown image is wider than on the known image.
PY46H2	Similar	
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The unknown appears to have more neck wrinkles. The neck appears to be less wide on the known however this could be due to changes in weight.
QYFHZU	Inconclusive	They are similar although the neck appears a bit wider in the unknown.
R273NE	Dissimilar	Unknown has thicker neck. Neck line positions number and curvatures are different between known and unknown.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	Neck is thicker for unk subject. Horizontal wrinkles present for both people but don't match up.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Similar	Similar neck height/width relative to face width/height.
XQMJNP	Dissimilar	Known neck appears to be skinnier than unknown neck. Facial lines on neck do not appear to be the same size or shape.
XTNLEQ	Similar	Matching similarities
XYERF8	[Not Reported]	Dissimilarities: Overall neck: width, height, details - Not comparable: Laryngeal prominence: shape, size, prominence, location
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Neck

Total Participants: 60

Response	Percent Reported
Similar	5 (8.3%)
Dissimilar	45 (75.0%)
Inconclusive	9 (15.0%)
Unable to Compare	1 (1.7%)
Not Applicable	0 (0.0%)

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Image Set Q10: Table 4.10(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Dissimilar	Overall facial hair are same in pic A&B
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Dissimilar	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Similar	slight fuzz- cheeks/jawline
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Similar	both appear to have some facial hair above upper lip
DA6QFC	Not Applicable	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q10: Table 4.10(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Unable To Compare	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No facial hair found on either subject.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	no evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q10: Table 4.10(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	Inconclusive	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Similar	Matching similarities
XYERF8	[Not Reported]	Not comparable: Above upper lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Below lower lip: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Cheeks/chin jawline: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail, Neck: shape, texture, symmetry, density, tonality, orientation, edge definition, continuity, detail
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Facial Hair

Total Participants: 63

Response	Percent Reported
Similar	3 (4.8%)
Dissimilar	4 (6.3%)
Inconclusive	2 (3.2%)
Unable to Compare	2 (3.2%)
Not Applicable	52 (82.5%)

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Image Set Q10: Table 4.10(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	Partially UC.
3LFL7K	Inconclusive	Aside from the nasolabial folds resembling each other, I can't conclude that the ohter facial lines correspond.
3M7MAM	Dissimilar	Asymmetrical rhytid patterns across frontal, periocular and cervical regions.
4T9DRJ	Dissimilar	the nasolabial folds are much more pronounced on unknown and seem to form farther out on unknown than known.
6JZ4ZJ	Inconclusive	Pic B – frontal lines and right periorbital crease
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The probe and candidate both appear to have frontal lines on the forehead, but they do not line up with one another. The nasolabial folds appear to dissimilar in depth and length, but there is a facial expression difference between the probe and candidate. The probe has left and right periorbital creases while the candidate does not have them.
89T2WX	Dissimilar	The glabellar lines and marionette lines are different, with some differences due to different expressions
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	[Not Reported]	Unknown(2) has prominent left/right periorbital creases not present for Known(1); left/right nasolabial folds more prominent for Unknown(2), can be from difference in expression; ends of nasolabial folds of Unknown(2) appear to curve slightly more toward corners of mouth; other facial lines mentioned elsewhere
9U4MPG	Dissimilar	Neck and forehead
AKVB9D	Dissimilar	known- slight frontal lines on right side, nasolabial creases originate along nasal body and terminate above later corners of mouth, marionette line on left unknown- minor frontal lines across forehead,nasolabial creases originate at alae and terminate lateral to corners of mouth. Buccal creases. periorbital lines both eyes
B2Z6FC	Dissimilar	Unknown has periorbital creases possible due to facial expression
BZH38T	Dissimilar	The nasolabial folds and the wrinkles around the neck are dissimilar.
CKPXLT	Dissimilar	Dissimilar forehead crease number and prominence, inferior palpebral crease shape and number, crow's feet, nasolabial folds placement, mentolabial sulcus placement, potential chin cleft and, neck crease number and placement.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	disimilar throughout both images
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(o) - Facial Lines

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different pattern
FBEYWM	Inconclusive	
FZRJT8	[Not Reported]	They have different frontal lines, the unknown has crow's feet on the side of her eyes, the unknown has more distinct nasolabial folds, the known has marionette lines, and neck creases mentioned above
H2WQ96	Dissimilar	Nasolabial folds and crow's feet appear to be more pronounced in the unknown than the known.
HFB7XM	Dissimilar	Necklines, forehead lines and chin lines
HRQ6L4	Dissimilar	dissimilar superior and inferior palpebral creases; dissimilar contour of neck lines and frontal lines.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar nasolabial folds and buccal creases.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	Both have inferior palpebral creases and nasolabial folds/creases but the unkown has signicantly more periorbital creases (possibly due to facial expression) while the known has marionette lines
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Frontal lines in known not present in unk. Unk has crowsfeet while known does not. Nasolabial lines different in unk from known. Slight marionette lines in unk not seen in known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Frontal lines (horizontal)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	mentioned
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	mentolabial sulcus appears dissimilar in width and depth; nasolabial folds appear dissimilar in shape/angle/depth; others aforementioned.
PRMQFV	Dissimilar	Frontal lines are dissimilar, unknown has four across the forehead, not found on the known. Frontal line towards the lower part of the forehead on the known, not consistent with the unknowns. Inferior palpebral creases are dissimilar in arrangement. Nasolabial folds are found on both subjects, more prominent on the unknown possibly due to the difference in expressions. Unknown has crows feet, not found on the known. Mentolabial sulcus is found on both subjects, shorter on the known.
PVM3BV	Dissimilar	mentioned in the forehead, eyes, nose, mouth and neck sections above

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Image Set Q10: Table 4.10(o) - Facial Lines

WebCode	Observation	Feature Notes
PWHKDW	Dissimilar	forehead creases in unk not present in known
PWYRHE	Dissimilar	nasolabial folds and marionette lines
PX9LGZ	Dissimilar	The nasolabial folds are different, the forehead lines and the lines on the neck also differ.
PY46H2	Dissimilar	Nasolabial creases, buccal creases (expression?)
Q49MUY	Inconclusive	
QTWDAF	[Not Reported]	Both subjects appear to have frontal lines however they are not similar in location or contour. The periorbital creases appear to be more prominent on the unknown however this could be due to age or expression. The nasolabial lines appear to be further apart on the known. There may be marionette lines on the known that are not visible on the unknown.
QYFHZU	Similar	There are more frontal lines in the unknown. Periorbital creases are visible in the unknown but, not the known. Of what is visible, the neck lines do no appear to be similar.
R273NE	Dissimilar	Nasolabial line curvatures and starting positions are different. Unknown's nasolabial lines come out wider on cheeks than knowns. Other lines discussed in above categories
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unk subject has deep right and left nasolabial folds as well as buccal creases on left and right cheek.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar frontal lines, Unknown has 4+ transverse lines, Known has ~2. Similar faint left vertical glabellar line. Several periorbital lines are visible in Unknown that are not visible in the Known. Somewhat similar superior palpebral crease, although it flattens near the midline in the Known. Dissimilar inferior palpebral creases. Infraorbital creases are more visible in the Known (differences in shadow/highlights could be making them more prominent). Mentolabial sulcus appears dissimilar in shape and distance from lower lip and from the bottom of the chin. Nasolabial creases cannot be adequately compared due to different expressions. Chin cleft visible in Known, but not Unknown. Buccal creases visible in Unknown, but not known. Unknown and Known have several prominent neck creases and wrinkles, but they are dissimilar in location on the neck and appearance; Unknown has two prominent creases that go from one side of the neck to the other, Known also has two slightly less prominent creases, but the bottom crease only extends to just beyond the midline.
XQMJNP	Dissimilar	Facial lines around the nose and mouth on known start at the nostrils and go straight down to corners of mouth. Facial lines around nose and mouth on unknown start at nostrils and "flare out" before ending near the mouth. Known also has 2 small vertical facial lines on left cheek near the mouth.
XTNLEQ	Inconclusive	No apparent difference due to lighting

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Image Set Q10: Table 4.10(o) - Facial Lines

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Dissimilarities: Frontal lines, Vertical glabellar, Bifid nose crease, Periorbital lines, Superior palpebral crease, Inferior palpebral crease, Infraorbital crease, Mentolabial sulcus, Nasolabial crease, Marionette lines - Not comparable: not visible in one or both images, Nasion crease, Lateral nasal lines, Circumoral striae, Cleft chin, Buccal creases, Wrinkles on neck, Other creases
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Facial Lines

Total Participants: 59

Response	Percent Reported
Similar	2 (3.4%)
Dissimilar	49 (83.1%)
Inconclusive	6 (10.2%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.4%)

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Image Set Q10: Table 4.10(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	Some small scars are different
8FP3RH	Not Applicable	
8ZX32H	Unable To Compare	
93ZDEX	Dissimilar	Possible scar on the unknown image right cheek outside the nostril area.
9GLTHW	Not Applicable	
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Dissimilar	“Pebbly” skin on cheeks in known
AKVB9D	Not Applicable	none apparent
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Inconclusive	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No scars observed.
HFB7XM	Not Applicable	

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Image Set Q10: Table 4.10(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar. One noted on right cheek near nose/nasolabial fold.
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Dissimilar	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Dissimilar	No scars observed on known nor unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	The scars of rosacea acne.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Dissimilar	Known appears to have poc scar by right nasolabial line not visible on unknown.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q10: Table 4.10(p) - Scars

WebCode	Observation	Feature Notes
V7PBGV	Inconclusive	
XPRZMN	Not Applicable	Not noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Not comparable: not visible in one or both images
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q10 Scars

Total Participants: 62

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	10 (16.1%)
Inconclusive	3 (4.8%)
Unable to Compare	2 (3.2%)
Not Applicable	47 (75.8%)

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Image Set Q10: Table 4.10(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	there are many facial marks throughout all the different areas/features of the face on both the unknown and known that are not consistent
34T74N	Dissimilar	
3LFL7K	Dissimilar	The facial marks between the two do not appear to correspond.
3M7MAM	Dissimilar	Facial dyspigmentation asymmetry.
4T9DRJ	Dissimilar	marks on unknown are not on known, one on forhead right side, one to right of nose, two on right side under right nostril, one under mouth on right side, one to left of nostril above mouth and one on far right side cheek
6JZ4ZJ	Dissimilar	Different Pic A- has clean, mark-free appearance, Pic B- freckles skin
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The probe has black facial marks around mouth area while the candidate does not. There are also facial marks under the right eye of the probe that is not visible on the candidate.
89T2WX	Dissimilar	The moles, some protrusions, and pits are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	small facial marks below right ala and above left corner of mouth for Unknown(2) not present for Known(1); facial mark near right side of nose below right medial canthus of Unknown(2) not present for Known(1); facial mark more to the left and slightly below left corner of mouth of Known(1) not present for Unknown(2); facial mark near middle frontal line on right side of forehead of Unknown(2) not present for Known(1); facial mark below right medial end of eyebrow and above eye of Unknown(2) does not appear present for Known(1)
9U4MPG	Dissimilar	Cheeks, below nose and mouth
AKVB9D	Dissimilar	known- marks both cheeks, right side of chin, above left eye unknown- forehead, both cheeks, under right eyearound mouth
B2Z6FC	Dissimilar	Known has 2 marks above the right eyebrow. Unknown has multiple freckles that are not visible in the known
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar freckles and dark skin marks across face (forehead, besides nose body, under nose, cheeks, mandible and neck) in the Unknown not visible in the Known. Various textured skin marks on cheeks, one dark skin mark on left lower cheek in the Known not visible in the Unknown.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	disimilar throughout both images, particularly around nose
DA6QFC	Dissimilar	

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Image Set Q10: Table 4.10(q) - Facial Marks

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different freckles
FBEYWM	Dissimilar	
FZRJT8	[Not Reported]	They both have facial marks the other does not have
H2WQ96	Dissimilar	Many facial marks observed on unknown that are not seen on known.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	both images contain facial marks but dissimilar positioning.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Inconsistent between Known and Unknown.
JL2M67	Not Applicable	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	There are multiple marks on the unknown that I am unable to see in the known
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Facial marks present in known not seen in unk (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Dissimilar	
PD3BCW	[Not Reported]	mentioned with description of unknown individual
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Facial marks present in both that are dissimilar in shape/color/location/quantity.
PRMQFV	Dissimilar	Facial mark on the lower left cheek of the known, not found on the unknown. Unknown has facial marks on the upper part of the mouth, not found on the known. Facial mark on the unknowns right cheek, not found on the known. Facial mark on the forehead and below the right eye of the unknown, not found on the known. Known has what appears to be facial marks on the right check, not found on the unknown. Known also has a mark on the lower part of the left side of the face, not found on the unknown.
PVM3BV	Dissimilar	mentioned in the forehead, cheeks, mouth, chin and neck sections above
PWHKDW	Dissimilar	no facial marks appear in both unk and k in a similar area

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Image Set Q10: Table 4.10(q) - Facial Marks

WebCode	Observation	Feature Notes
PWYRHE	Dissimilar	Nasal folds..
PX9LGZ	Dissimilar	The are practically no visible moles on the known image, whereas on the unknown image the moles across the face are well visible. Also there seems to be some pimples on the right cheek of the known image.
PY46H2	Dissimilar	unknown- marks right side of nose, under nose
Q49MUY	Not Applicable	
QTWDAF	Dissimilar	There are multiple facial marks on both subjects but they appear to be in different locations and coloration.
QYFHZU	Dissimilar	Dark spots on unknown: right forehead, right side under eye, 3 on upper lip, 1 on right and left cheek, 4 on chin. Dark spot on known: right cheek, left side near mouth, 2 on chin
R273NE	Dissimilar	Unknown has mark on right side of forehead, between nose and mouth, and right cheek not visible on known.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	unk subject has some facial marks above the mouth
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	Differetn Spots
XPRZMN	Dissimilar	Dissimilar in location, placement, and quantity.
XQMJNP	Dissimilar	Known has a facial mark on right cheek and another on left cheek near corner of mouth. Unknown has several facial marks include on the forehead, right side of nose, between nose and lip, left cheek, chin, and neck.
XTNLEQ	Dissimilar	Mole mismatch
XYERF8	[Not Reported]	Dissimilarities: Potential facial mark on lower left cheek in R, not observed in Q, Potential facial mark on right side of forehead in Q, not observed in R, Potential facial marks across the right cheek and chin in Q, not observed in R, Potential facial mark above left corner of mouth in Q, not observed in R
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q10 Facial Marks

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	57 (93.4%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	4 (6.6%)

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Image Set Q10: Table 4.10(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Inconclusive	Indeterminate earring status with noted necklace discrepancy.
4T9DRJ	Inconclusive	only thing is a peirced ear visible and position of this is similar
6JZ4ZJ	Dissimilar	Pic B – wearing makeup – lash is dark
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The earrings are similar
8FP3RH	Not Applicable	
8ZX32H	[No observations reported for this feature.]	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	both have ears pierced and unknown appears to have makeup on eyes and lips
9KFMFY	[Not Reported]	Unknown(2) appears to be wearing more makeup particularly around eyes/on lips; both appear to have double stud earring in lobe of right ear; Known(1) also has double stud earrings present in lobe of left ear and a piercing in the upper helix of the left ear
9U4MPG	Similar	Existence of earrings
AKVB9D	Inconclusive	has piercing of superior crus of antihelix
B2Z6FC	Similar	Both have pierced ears
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	earrings, hairstyle, makeup
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	different physical alterations
FBEYWM	Similar	
FZRJT8	[Not Reported]	None visible

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Image Set Q10: Table 4.10(r) - Alterations

WebCode	Observation	Feature Notes
H2WQ96	Similar	Only right lobe of unknown's ear is visible. That lobe and lobes of the known are double-pierced with very similar jewelry.
HFB7XM	Similar	Similar earlobe piercings.
HRQ6L4	Similar	both images contain earrings of similar styles and positioning.
HUCPQ8	Similar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	unknown appears to have makeup on, both have pierced ears
LQZ4DH	Not Applicable	
P6CLXG	Similar	Right ear piercings
PD3BCW	Similar	Both known and unknown individuals are wearing earrings that are similar in size, shape and placement on the earlobes.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	U appears to have makeup on; both have piercings in right earlobe; no tattoos visible.
PRMQFV	Not Applicable	Both subjects are wearing earrings.
PVM3BV	Inconclusive	both subjects have earrings that appear to be studs
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	Naseogenial folds.
PX9LGZ	Similar	Ears on both images are pierced.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Similar	earrings on both subject
QYFHZU	Not Applicable	
R273NE	Not Applicable	Unknown has some makeup on
TBLBPC	Similar	earrings

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Image Set Q10: Table 4.10(r) - Alterations

WebCode	Observation	Feature Notes
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	Not Applicable	
XPRZMN	Dissimilar	Unknown is wearing makeup
XQMJNP	Similar	Both subjects have their ears pierced. Known has 2 earrings in both ears. Unknown has either 1 or 2 earrings in right ear; left ear is not visible.
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Similarities: Two piercings observed in right earlobe in both images, Not comparable: Make up observed across the face in Q, not observed in R
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q10 Alterations

Total Participants: 57

Response	Percent Reported
Similar	16 (28.1%)
Dissimilar	9 (15.8%)
Inconclusive	6 (10.5%)
Unable to Compare	1 (1.8%)
Not Applicable	25 (43.9%)

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Image Set Q10: Table 4.10(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Dissimilar	known image is slightly under exposed, whereas unknown has good, even lighting
CKPXLT	Limitations	Dissimilar	Occlusion, pose, expression, gaze, make-up and lighting.
LADNAL	Quality		
PWYRHE	imagen superposition	Dissimilar	Compatible cephalometric planes.
XYERF8	Limitations		The limitations of the comparison include but are not limited to: differences in age, pose, expression, lighting, resolution and other imaging conditions.

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Detailed Feature Observations

TABLE 4 - Image Set Q11

Image Set Q11: Table 4.11(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar brown skin tone; the unknown's skin texture appears slightly more rough/leathery, but difficult to definitively compare due to known image quality issues (difference could also be due to potential age difference); the unknown has distinct areas of darker coloring on the forehead that appears consistent with the known
34T74N	Similar	
3LFL7K	Inconclusive	Lighting differences don't allow accurate comparison of the skin tone for both subjects. Due to blurriness of known subject's photo, I'm unable to tell the texture of the skin.
3M7MAM	Inconclusive	The known person exhibits blurred skin texture.
4T9DRJ	Similar	similar skin tone
6JZ4ZJ	Similar	Similarity in skin texture and tone
7B6GQY	Similar	
7PHQBF	Similar	Skin appears to be similar between the probe and candidate.
89T2WX	Similar	Dark skin tone
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Due to not great image quality of the known image. I am not able to see all of the texture and markings that are visible on the unknown image.
9GLTHW	Similar	texture appears to be dissimilar, as known's seems to be smooth, whereas unknown's possesses a very uneven texture, however true texture can't be compared due to the hazy/blurry quality of the known image; darker complexion and the highlighting and shadowing on the contours of the face (specifically in the forehead and mouth areas) are similar, indicating that the underlying musculature and bone structure is similar
9KFMFY	[Not Reported]	both appear to have similar darker skin tone; unable to compare finer details of skin due to quality of Known(1)
9U4MPG	Similar	
AKVB9D	Inconclusive	low quality known image limits observation
B2Z6FC	Similar	Similar color and luminance. Cannot compare texture due to known being blurry. Unknown has textured skin
BZH38T	Similar	Skin tone is similar.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	more marks/texture visible in unknown image
DA6QFC	Dissimilar	

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Image Set Q11: Table 4.11(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	Similar	Skin – Subjects appears to have even medium skin tone and is normal to oily in t-zone areas. Unknown has some texture in cheek area which is more prominent and wide spread on subject left side. This cannot be confirmed in Known due to quality of image, age difference in subjects, and glasses worn by Known obscuring full view.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same texture, marks, color, etc.
FBEYWM	Similar	
FZRJT8	Inconclusive	The known's image is low quality and out of focus with uneven lighting which makes it difficult to tell if the skin tone is similar.
H2WQ96	Similar	Tone appears similar.
HFB7XM	Similar	Colour appears similar. Lighter skin tone under the mouth.
HRQ6L4	Similar	slightly different color due to lighting; texture dissimilar possibly due to age difference and known image being blurry.
HUCPQ8	Similar	
HYQFYM	Similar	Similar texture and tone.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in dark color. Texture is not similar.
KEBXX2	Inconclusive	Both have similar tone to their skin but I am unable to see the texture of the known's due to poor image quality
KHWG47	Not Applicable	
L7ZVC2	Similar	Similar tones and texture between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Inconclusive	tone is similar; texture appears to be smoother in the known but that's due to the quality of the image
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	Although the known image is blurred and slightly out of focus, both known and unknown appear to have similarly, a slightly weathered and gritted quality to the skin with a few small blemishes and or mole-like marks scattered throughout the facial plane. Both images appear to have deep brown skin with a faint yellow undertone. The lighting on the unknown image is brighter and more detail is visible than unknown image.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears similar in overall variation in tone; dissimilar in texture, may be due to quality.
PRMQFV	Inconclusive	Tone of the skin appears to be similar. Unknowns skin appears to be more textured, possibly due to the difference in image quality.

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Image Set Q11: Table 4.11(a) - Skin

WebCode	Observation	Feature Notes
PVM3BV	Similar	skin appears to be similar in dark color - texture of the known is difficult to determine due to the quality of the image
PWHKDW	Similar	both are black females
PWYRHE	Similar	same color
PX9LGZ	Similar	Similar tone on both images.
PY46H2	Similar	Tonality
Q49MUY	Dissimilar	
QTWDAF	Similar	The subjects appear to have a similar light/mid dark tone. The known appears to have a smooth skin texture however this could be due to quality or blurring.
QYFHZU	Similar	The skin is a little lighter however, it may be from lighting.
R273NE	Similar	Similar tone and luminance between known and unknown. Texture appears different maybe due to age or blurriness of known image.
TBLBPC	Inconclusive	out of focus, similar color
U6E77R	Unable To Compare	known photo is very blurry
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar skin tone. Unknown's skin shows significant texture that is not visible in the Known due to image quality.
XQMJNP	Similar	Both subjects have light brown skin. Unknown appears to have more texture to her face; this could be due to age difference and/or quality of known image (blurry/ out of focus).
XTNLEQ	Similar	Smooth, light skin in both
XYERF8	[Not Reported]	Dissimilarities include: Overall skin appearance: tone. Not comparable: Overall skin appearance: texture
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Skin	Total Participants: 61
Response	Percent Reported
Similar	44 (72.1%)
Dissimilar	3 (4.9%)
Inconclusive	10 (16.4%)
Unable to Compare	2 (3.3%)
Not Applicable	2 (3.3%)

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Image Set Q11: Table 4.11(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	overall facial and cranial vault shape is similar
34T74N	Similar	
3LFL7K	Similar	The cranial vault of both is consistent and the general outline of the head appears similar.
3M7MAM	Similar	Basically identical face shapes.
4T9DRJ	Similar	similar face outline
6JZ4ZJ	Similar	Similar Shape of cranial vault and Overall shape of face
7B6GQY	Similar	
7PHQBF	Similar	The face outline between the probe and candidate appears to be similar. Both the probe and candidate have a rounded face outline.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/head outline is similar in shape and size. Slight angle difference with the known image being face forward and the unknown slight angle downward.
9GLTHW	Similar	overall egg-like shape and small size are similar; despite hair coverage, curvature of cranial vault appears to be similar
9KFMFY	Similar	similar oval shape to overall face/head outline
9U4MPG	Similar	
AKVB9D	Similar	
B2Z6FC	Similar	Both have an oval shaped head with a wider forehead than chin
BZH38T	Similar	The face shape is similar.
CKPXLT	Similar	Similar face shape.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	
EGJRJR	Similar	Face/Head Outline – Known has a rounded/upside down egg-shaped head, while Unknown has a round head outline with a pointed chin.
EGYH2B	Similar	
ELRHHR	Similar	same geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Similar	
FZRJT8	Similar	The face/head outline are similar

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Image Set Q11: Table 4.11(b) - Face/Head Outline

WebCode	Observation	Feature Notes
H2WQ96	Similar	Face outline is similar oval shape.
HFB7XM	Similar	Similar shape, but known's face appears slightly fuller.
HRQ6L4	Similar	similar shape and contour
HUCPQ8	Similar	
HYQFYM	Similar	Similar oval shape and rounded facial outline. Similar overall jawline and chin.
JL2M67	Similar	
K3KWNM	Similar	Face/head is similar in oval shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have oval facial structure. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	head shape/size is similar, width is similar, length is similar, both have a round face shape that is similar
LQZ4DH	Similar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Similar	Known and unknown have a consistent, evenly curved and round facial contour from top of head to underneath of chin. Features are consistent in placement on the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears similar; overall shape of face appears similar.
PRMQFV	Similar	Overall size of the head appears to be consistent. Shape of the head is rounded on both subjects.
PVM3BV	Similar	general shape of the face outline appears to be similar between subjects
PWHKDW	Similar	similar shaped head
PWYRHE	Similar	Both are dolichocephalic.
PX9LGZ	Dissimilar	The head shape on the known image is slightly narrower and more oval, whereas it is more rounded on the unknown image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The face/head outline appears to be oval on both subjects with a similar height/width.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Similar	Head shapes are similar rounded at top and curved symetrically down through cheeks and similar roundedness at bottom

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Image Set Q11: Table 4.11(b) - Face/Head Outline

WebCode	Observation	Feature Notes
TBLBPC	Similar	
U6E77R	Similar	head outlines appear to be oval/similar
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar face shape and head length/width. Similar cranial vault contour.
XQMJNP	Similar	Both subjects have small round heads.
XTNLEQ	Similar	Oval face shape in both
XYERF8	[Not Reported]	Similarities include: Overall shape of the face. Not comparable: Shape of the cranial vault
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Face/Head Outline

Total Participants: 62

Response	Percent Reported
Similar	61 (98.4%)
Dissimilar	1 (1.6%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial symmetry; similar size/proportion and relative location of the facial features to one another
34T74N	Similar	
3LFL7K	Similar	Although there is blurriness in the known subject's photo, it appears that the eyes, ears nose and mouth are consistent in size and relateive spacing to one another. The expressions on the faces of both subjects is similar.
3M7MAM	Similar	Facial features are proportionally and positionally consistent.
4T9DRJ	Similar	similar face composition - entire known image is rather blurry
6JZ4ZJ	Similar	Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length ,Approximate distance from chin to lower lip relative to face length, Approximate distance from chin to lower lip relative to face length, Eye position relative to face length
7B6GQY	Similar	
7PHQBF	Similar	The intercanthal distance of the eyes appears to be similar between the probe and candidate. The distance from the top of the forehead to the eyebrows appears to be similar between the probe and candidate. The distance from the nasal+ base to the upper lips appears to be consistent between the probe and candidate.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Face/composition is similar in that the features are consistent in location within the two images. Right ear position relative to eyes and nose appears similar.
9GLTHW	Similar	configuration, alignment, and large size of the visible facial features are consistent with respect to each other and their location within the middle and lower proportions of the face
9KFMFY	Similar	similar approx. distance from nasal tip to upper lip; similar approx. distance from lower lip to chin
9U4MPG	Similar	
AKVB9D	Similar	features occupy same relative positions and distances to ther features
B2Z6FC	Similar	Similar distance between nasal tip and upper lip and between bottom lip and chin
BZH38T	Dissimilar	The shape of head is similar.
CKPXLT	Inconclusive	Similar eye to eyebrow and upper lip to nose base relative distance. Dissimilar nose and mouth width relative to the eyes and lower lip to chin relative distance.
CUYZ8T	Similar	
D2QZYQ	Similar	
DA6QFC	Similar	

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Image Set Q11: Table 4.11(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGJRJR	Similar	Face/Head Composition – Both subjects appear to have morphological features are concentrated to the lower 3/4th of face with consistent distance and/or spacing among features.
EGYH2B	Similar	
ELRHHR	Dissimilar	some are obscured i.e. glasses
FBEYWM	Similar	
FZRJT8	Similar	The face/head composition are similar
H2WQ96	Similar	Proportions/position of features appears similar.
HFB7XM	Similar	Similar face composition.
HRQ6L4	Similar	features have similar positioning relative to other features.
HUCPQ8	Similar	
HYQFYM	Similar	Similar intercanthal and interpupillary distances, overall nose shape, mouth fissure and chin.
JL2M67	Similar	
K3KWNM	Similar	Face is similar in length. Not similar in width due to aging and weight gain. Features are placed on the face in a similar fashion. Eyes are placed on the face in a similar position relative to the ears. Ears are placed on the head in a similar position relative to the eyes and chin. The nose is in a similar position relative to the eyes and mouth. The mouth is in a similar position between the nose and chin.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Both have centralized features on very similar underlying bone structures. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	distance between eyes is similar, distance from eyes to mouth is similar, distance from nose to mouth is similar, distance from mouth to chin is similar
LQZ4DH	Similar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Similar	Both known and unknown image have an equally symmetrical, round face with large, dark eyes and full cheeks, nose and chin. Each known and unknown image has a warm, pleasant appearance. Features are balanced equally between the two individuals.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Features of face appear similar in relationship to each other and similar in relation to face length.
PRMQFV	Similar	Nose to mouth distance appears to be similar. Mouth in relation to the chin is similar.

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Image Set Q11: Table 4.11(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PVM3BV	Similar	general composition of the features appear to be similar in regards to the size and location of the features
PWHKDW	Similar	no differences noted
PWYRHE	Similar	provided
PX9LGZ	Dissimilar	Relative distances between facial features seem a bit different.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The features of the face appear to have a similar tight arrangement on both subjects. The nasal tip seems to be evenly placed between the eyes and mouth.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Similar	Features are in similar positions relative to the other features in known and unknown.
TBLBPC	Similar	
U6E77R	Similar	similar relative distance/position between eyes, nose, mouth and ears
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar feature spacing and placement. Similar width of nose relative to eyes. Similar width of mouth relative to eyes. Similar distance from nose to upper lip. Similar distance from chin to lower lip. Similar ear position relative to eyes, nose, and mouth placement. Similar eye position relative to face length.
XQMJNP	Similar	Facial features are spaced evenly on both subjects.
XTNLEQ	Similar	Similar overall
XYERF8	[Not Reported]	Similarities include: Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length, Eye position relative to face length. Dissimilarities include: Ear position relative to eyes, nose, and mouth
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q11 Face/Head Composition		Total Participants: 62
Response	Percent Reported	
Similar	58 (93.5%)	
Dissimilar	3 (4.8%)	
Inconclusive	1 (1.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q11: Table 4.11(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar hair color and texture; different hair style with the unknown's being shoulder length and styled down and known's being styled up; forehead and temporal peak hairline shape appears similar
34T74N	Similar	
3LFL7K	Similar	The hairstyle of the subjects is different, but the hair is the same color. The texture of known's hair is unknown due to photo blur.
3M7MAM	Dissimilar	Hairstyle inconsistency.
4T9DRJ	Similar	hair similar color
6JZ4ZJ	Similar	hair texture, forehead hairline and same color for both pic A&B
7B6GQY	Similar	
7PHQBF	Similar	The hair color between the probe and candidate appears to be similar between the probe and candidate. The hairline between the probe and candidate appears to be similar.
89T2WX	Similar	The color and the way the hair lies close to the scalp are similar
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Inconclusive	Not much is visible on the known image as the hair is pulled back away from the face while the unknown's hair is framing the face. Coloring of the hair appears similar. The pattern across the center top portion of the head, is consistent, but the known has a different growth pattern in the temple areas. The hair come to a sideways "V" that is not the same as the unknown's temple area.
9GLTHW	Similar	dark color and apparent texture appear to be similar; although styling is different, thickness and hairline shape are similar, which is evident by the small, recessed spot on known that aligns with where unknown's is parted
9KFMFY	[Not Reported]	both have similar dark color to hair; appear to have similar hair texture; Known(1) has hair more pulled back while Unknown(2) has more of hair down; appears to follow similar forehead hairline from center to right hairline
9U4MPG	Similar	
AKVB9D	Similar	known hair pulled back style, known- hair down style. Both have similar hairline at temples
B2Z6FC	Similar	Similar color and hairline
BZH38T	Similar	The hair texture and color are similar.
CKPXLT	Similar	Similar hair tone, side and forehead hairline shape.
CUYZ8T	Similar	
D2QZYQ	Similar	similar color, dissimilar style, part
DA6QFC	Unable To Compare	

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Image Set Q11: Table 4.11(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Similar	Hair – Hairstyles in subject's differ but hair color is consistent. Subjects appear to have similar hair texture of processed hair, which is shoulder length in Unknown, length cannot be evaluated on Known because subject is wearing hair up. Consistent trapezoid hairline including slight indentation that is left of mid-line. Baby hairs of individuals appear to have the same growth pattern direction.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same hair texture, color and growth pattern
FBEYWM	Similar	
FZRJT8	Similar	The hair appears to be similar
H2WQ96	Similar	Color, texture, and hairline appear similar.
HFB7XM	Similar	Similar colour and texture. Similar hairline – asymmetry between right and left side of the hairline. Different hairstyle.
HRQ6L4	Similar	similar color, length, density, and placement; unk image hair is down and known image hair is up.
HUCPQ8	Similar	
HYQFYM	Similar	Similarly dark in color, thick in texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is similar in color/texture. Hairstyles are different. Known is up in a ponytail.
KEBXX2	Similar	
KHWG47	[Not Reported]	Hairline / Grooming
L7ZVC2	Similar	Hair similar color and texture. Hairline very similar between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	both have dark colored hair that is similar, known hair is pulled back and the unknown is down with a part, hairline on forehead appears to be similar
LQZ4DH	Similar	Hairline
P6CLXG	Similar	Low-resolution known
PD3BCW	Similar	Known and unknown have a similar short appearance to the hair that is groomed and pressed very close to the scalp. The texture of both known and unknown's hair appears thick, smoothed with the use of some sort of hair product and each has equally dark black hair that is pulled away from the face. The contour of the hairline is consistent smooth, straight-lined arch shape.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Hair appears similar in darkness and color and overall texture; r/l side hairline and top hairline appear similar in shape.

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Image Set Q11: Table 4.11(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Similar	Tone of the hair appears to be black on known and unknown. Curvature of the hair line is similar in fullness and curvature. Style of the hair is dissimilar, knowns hair is pulled back.
PVM3BV	Similar	hair appears to be similar in dark color - texture of the known is difficult to determine due to the quality of the image - hair line appears to be consistent between subjects
PWHKDW	Similar	Both have black hair and similar hairline
PWYRHE	Similar	same color
PX9LGZ	Dissimilar	The hairline is different.
PY46H2	Dissimilar	Hairline of unknown receded (time?)
Q49MUY	Similar	
QTWDAF	Similar	The hairline appears to be similar with a notch on the top right and a generally rounded shaping with an angled section on the left of both subjects. The subjects both appear to have a similar dark hair color and texture.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Similar	Known has hair up in trail and unknown has hair slicked back but down. Both have similar tone and texture. Frontal and side hairline curvatures are similar.
TBLBPC	Similar	
U6E77R	Similar	similar hair color and hairline
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Different hairstyles. Similar color. Similar hairline with pronounced peaks along the temples and a higher slightly rounded hairline at the top of the forehead.
XQMJNP	Inconclusive	Both subjects have coarse black hair. Known hair is pulled back into a ponytail. Unknown hair is down, parted on left side, with curls at the end, and approximately chin length.
XTNLEQ	Dissimilar	Hair differs (A: Curly, B: Straight)
XYERF8	[Not Reported]	Similarities include: Hair: texture, symmetry, density, tonality, Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape. Dissimilarities include: Hair: shape/spatial distribution. Not comparable: Cranial baldness pattern: shape, distribution
XYJ9D7	Inconclusive	
YGARYR	[No observations reported for this feature.]	
YKTY67	Similar	

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Features Observations Response Summary - Q11 Hair		Total Participants: 60
Response	Percent Reported	
Similar	49 (81.7%)	
Dissimilar	5 (8.3%)	
Inconclusive	4 (6.7%)	
Unable to Compare	2 (3.3%)	
Not Applicable	0 (0.0%)	

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Image Set Q11: Table 4.11(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar forehead height and width; similar brow ridge prominence; the unknown has two distinct glabellar lines extending upwards from the medial ends of the eyebrows that appear faintly similar to known in similar relative location; the unknown appears to have a scar present towards the upper portion of the forehead that is not readily visible in the known, but could be due to image quality
34T74N	Inconclusive	
3LFL7K	Similar	Both subjects' foreheads are consistent in shape, width, height and brow ridge prominence.
3M7MAM	Similar	Consistent frontal contour.
4T9DRJ	Similar	similar forehead shape
6JZ4ZJ	Similar	shape and continuity Brow ridges
7B6GQY	Similar	
7PHQBF	Similar	The shape of the forehead appears to be similar between the probe and candidate. The length and width of the forehead appears to be consistent between the two images.
89T2WX	Similar	Similar
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Width and length does appear consistent. Distance from brow to top of hair line, appears consistent. There is a scar/marking on the left upper side of the forehead of the unknown image that is not viewable on known image. There is a deep crease/groove present in between the brows that is consistent in placement, but the unknown image also has a shorter crease near the left brow that is not viewable on the known image.
9GLTHW	Similar	curved contour and uneven musculature are consistent; semi-circle shape, height, and width are similar; brow ridges are similar in shape, size, and prominence; unknown has a prominent scar at the top of forehead aligned with the medial end of the left brow, that is not as evident on the known due to quality, however shadowing/darker pigmentation indicates a similar shape in the same location on the known; unknown has several scar-like marks and darker pigmented facial marks dispersed throughout that are not visible on the known due to quality
9KFMFY	Similar	similar relative width/height of forehead; similar brow ridge prominence
9U4MPG	Similar	
AKVB9D	Similar	wide at temple. narrow/rounded above/center
B2Z6FC	Similar	Have similar eyebrow prominence. Neither have forehead creases. Similar height and width forehead
BZH38T	Similar	The shape of the forehead is similar.
CKPXLT	Similar	Similar forehead height and width.
CUYZ8T	Similar	
D2QZYQ	Similar	similar creases, raised areas in location and curvature and relationship

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Image Set Q11: Table 4.11(e) - Forehead

WebCode	Observation	Feature Notes
DA6QFC	Similar	
EGJRJR	Similar	Forehead – Individuals have a top hat shaped forehead that is separated by protruding upper half closest to subject's hair line. Unknown a visible depression, scar, and/or mark in the center of forehead about 1.5 inches right slanted towards subjects left side part in hair. Known images quality and lighting hinders confirmation of this and texturing seen in Unknown. Consistent size and shape seen in both subject's brow ridge protrusion which favors subjects left side.
EGYH2B	Inconclusive	
ELRHHR	Similar	same geometric analysis
FBEYWM	Inconclusive	
FZRJT8	Similar	The foreheadsize and shape are similar. The hair outline is similar
H2WQ96	Similar	Height and width appear similar as well as brow ridge.
HFB7XM	Similar	Height and width of forehead appears similar.
HRQ6L4	Similar	similar width, shape, and prominence
HUCPQ8	Similar	
HYQFYM	Similar	Appear similar in height, browline and hairline.
JL2M67	Similar	
K3KWNM	Similar	Forehead is similar in length/width/shape. Hairline is similar in shape/contour. Glabellar lines are similar in shape/location.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Forehead marks, creases and shapes are consistent across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape/size is similar, marks are visible on the unknown but not the known due to quality, brow ridge is similar, mark or a scar is visible in the center of forehead in the unknown that is not visible in the known due to quality
LQZ4DH	Similar	Forehead shape
P6CLXG	Similar	Low-resolution known
PD3BCW	Similar	Both known and unknown have a average sized, well balanced forehead in relationship to the rest of the facial features that curves upward in a smooth oval shape. Each has a high hairline. Neither known or unknown have any visible forehead creases. The width across the brow ridge is equal in both known and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Forehead appears similar in relative width/height/slope; brow ridge prominence appears similar.

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Image Set Q11: Table 4.11(e) - Forehead

WebCode	Observation	Feature Notes
PRMQFV	Similar	Shape of the forehead is similar. Length of the forehead is similar. Luminance of the forehead is similar. Similar level of protrusion.
PVM3BV	Similar	forehead appears to be similar in shape and size - possible scar like mark appears to be visible on the unknown and possibly on the known in the same location but the quality makes it difficult to see details
PWHKDW	Similar	Similar forehead, size and shape
PWYRHE	Similar	both are spacious
PX9LGZ	Inconclusive	The forehead is slightly wider on the unknown images. Brow ridges seem similar.
PY46H2	Dissimilar	time?
Q49MUY	Similar	
QTWDAF	Similar	The forehead appear to have a similar trapezoidal shape. The brow ridge appears to prominent on both subjects. There appears to be an indention in the glabella area.
QYFHZU	Similar	The forehead shape is similar in height and width.
R273NE	Similar	Both have similar shape and size foreheads. Both have similar contouring throughout foreheads. Both have scar at top left of forehead. Both have vertical glabellar line in similar position coming up on forehead in right of middle
TBLBPC	Similar	
U6E77R	Similar	similar wide forehead and brow bone
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar size and shape with similar contours across the center of the forehead. Similar brow ridge shape and prominence.
XQMJNP	Similar	Both subjects have a round forehead. Vertical facial lines between eyebrows appear similar on both subjects.
XTNLEQ	Similar	Similar forehead height/slope
XYERF8	[Not Reported]	Similarities include: Forehead shape: relative height, relative width, slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q11 Forehead		Total Participants: 63
Response	Percent Reported	
Similar	57 (90.5%)	
Dissimilar	1 (1.6%)	
Inconclusive	5 (7.9%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q11: Table 4.11(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall shape and size; similar medial distance between eyebrows; similar areas of lack of density in hair growth towards the lateral ends of the eyebrows; similar areas of distinct definition at the base of the eyebrows on the edge of the upper orbits of the eyes
34T74N	Similar	
3LFL7K	Similar	The eyebrows on both the known and unknown subject have the same shape and length. The density is difficult to see to due blurriness of known's photo.
3M7MAM	Similar	Similar eyebrow shapes.
4T9DRJ	Similar	faint eyebrows similar
6JZ4ZJ	Similar	Overall shape is similar Pic A&B eyebrows are thick and dark, the right eyebrow shape is round and left eyebrow shape is arched and the gaps between lift and right eyebrow are small
7B6GQY	Similar	
7PHQBF	Similar	The growth pattern of the eyebrows appears to be similar between the probe and candidate. The thickness of the eyebrows looks to be consistent between both the probe and candidate.
89T2WX	Similar	The outer ends of the eyebrows are high, with the left outer end higher than the right
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Similar in color and shape. Both consistent in sparse hair growth pattern. Where the brows start near the bridge of the nose appears rectangular and consistent. The overall arch shape of the brows appears consistent and the ending point in relation to the outer corners of the eyes appear similar.
9GLTHW	Similar	arced shape, length, color, angled alignment (with lateral ends positioned higher than medial ends), thinness, and uniform sparse growth distribution are all consistent; approx. distance between the medial ends, above the brows, and from between lateral ends and hairline are similar; vertical glabellar lines are similar in shape, length, depth, and slanted alignment; linear diagonal lines between the medial ends and upper eyelids appear to be consistent in length and prominence
9KFMFY	Similar	both appear to have similar curve/shape of eyebrows; both appear to have similarly thin eyebrows; distance between medial ends of eyebrows appears similar
9U4MPG	Similar	
AKVB9D	Similar	asymmetric- right eyebrow originates at nasal root and arches over around eye fissure terminated near lateral canthus. Left eyebrow originates at vertical glabellar line outwards to mid eye, appears to split and curve out/down ending above/outside lateral canthus
B2Z6FC	Similar	Both have eyebrows that are closer to the eye medially and further away laterally. Hard to compare due to blurriness of known
BZH38T	Similar	The shape and the length of the eyebrows are similar.
CKPXLT	Similar	Similar eyebrow tone, shape and size.

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Image Set Q11: Table 4.11(f) - Eyebrows

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and curvature
DA6QFC	Inconclusive	
EGJRJR	Similar	Eyebrows – Known has a horizontal frontal crease across nasal root forming a 45-degree angle with medial region of right eyebrow and another right slanted vertical glabellar line parallel to it but not as prominent. Left shadow and/or faint vertical glabellar line start from Unknown's nasal root meet in the center of subject's brow ridge prior to left eyebrow start point. Left side of brow ridge is more prominent than right and base has sharper straight slanted depression from nasal root just below eyebrows. Left eyebrow of individuals has sharper higher arch angle for left eyebrow possibly because brow ridge depression line is longer and deeper on that side.
EGYH2B	Similar	
ELRHHR	Similar	same geometric measurement, length, position, density, texture, and color
FBEYWM	Similar	
FZRJT8	Similar	The size and shape of the eyebrows are similar
H2WQ96	Similar	Shape, thickness, and hair density appear similar.
HFB7XM	Similar	Similar shape, position and protrusion. Both have little hair on the eyebrows.
HRQ6L4	Similar	similar color, length, tilt, density, and positioning;
HUCPQ8	Similar	
HYQFYM	Similar	Similar in color, texture and overall shape.
JL2M67	Similar	
K3KWNM	Similar	Eyebrows are similar in size/shape/contour/thickness/color. Brown ridge is similar in size/shape/location/protrusion.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Eyebrows have similar angles, coloring, shapes and plaement/ hairgrowth across known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	both are very faint but appear to be similar in shape/size/location, distance to eyes is similar, crease below the left eyebrow is similar, distance apart is similar, vertical glabellar lines are similar – more visible in the unknown due to quality
LQZ4DH	Similar	Right and left eyebrow
P6CLXG	Similar	Low-resolution known

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Image Set Q11: Table 4.11(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Similar	Both known and unknown have sparse, soft eyebrows that appear more as a suggestion than actual accent to the eyes. The shape of the brow ridge of known and unknown images is consistently angled, with the left brow being more sharply angled than the right, adding a look of skepticism and/or curiosity to the face.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Eyebrows appear similar in color/shape/angle/width apart/asymmetry/start and end point in relation to eyes.
PRMQFV	Similar	Arch of the eyebrows are similar. Growth pattern appears to be similar. Eyebrows appear to be light on both subjects. The tail of the eyebrows end in similar locations.
PVM3BV	Similar	brows appear to be similar in shape and contour - frontal glabellar crease appears to be present on both subjects in the center of the brow region
PWHKDW	Similar	image quality not great in known, but appears similar. eyebrows are light
PWYRHE	Similar	Semi-bushy and sparse.
PX9LGZ	Similar	The general shape seems similar.
PY46H2	Similar	limited by blur of known
Q49MUY	Similar	
QTWDAF	Similar	The eyebrows appear to be similar with a more inferior medial section and superior lateral sections giving an upward angle. The distance between the brows appears to be similar. The brows appears to be fuller on the medial section but are otherwise sparse. The dark color appears to be similar.
QYFHZU	Similar	The eyebrows are the same shape and size.
R273NE	Similar	Similar curvatures, position above eyes, growth patterns and starting points at medial ends in both brows for known and unknown.
TBLBPC	Similar	
U6E77R	Similar	similar in thinness, lightness and shape
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar size and shape relative to the eyes. Similar arch. Similar lateral and medial eyebrow vertical end positions. Similar vertical and horizontal end positions of the lateral/medial eyebrows relative to the lateral/medial canthi. Similar sparse hair density. There appear to be similar thin lines running through the horizontal center of both brows (the left line is at an upward angle; the right is flat)
XQMJNP	Similar	Both subjects have thin dark eyebrows that have a round arch in them. Left eyebrow ridge is visible (shadow/ highlight) on both subjects.
XTNLEQ	Similar	Same brow arch and thickness

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Image Set Q11: Table 4.11(f) - Eyebrows

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Shape, Size, Position, Density of hair, Asymmetry. Not comparable: Conjoined, Hair details
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Eyebrows	Total Participants: 63
Response	Percent Reported
Similar	61 (96.8%)
Dissimilar	0 (0.0%)
Inconclusive	2 (3.2%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	difficult to fully compare due to known image quality issues and known wearing glasses; similar dark color; overall size and shape appears similar; the unknown has very prominent creases that aren't visible in the known, but difference could be due to image quality issue
34T74N	Unable To Compare	
3LFL7K	Inconclusive	Generally, the eyes of both have the same shape, but specific features on known subject can't be seen due to blurriness of photo.
3M7MAM	Inconclusive	The known person's eyes appear obscured,and she wears glasses.
4T9DRJ	Similar	similar eye color
6JZ4ZJ	Similar	Matching Eye Position and Alignment both have horizontally aligned eyes. Both show visible upper eyelid creases, indicating similar superior palpebral furrow visibility. Both has dark eye color
7B6GQY	Unable To Compare	
7PHQBF	Similar	Difficult to compare due to the quality of the candidate image. The overall shape of the eye fissure looks to be consistent between both individuals.
89T2WX	Inconclusive	The position is similar, but the known sample is blurry and the eyes are obscured by glasses
8FP3RH	Inconclusive	
8ZX32H	Unable To Compare	
93ZDEX	Similar	Similar in almond shape. The shape of the canthus and the placement in relation to the bridge of the nose is also consistent. The crease/coloration and wrinkles under the lower eye lids of the unknown image are not viewable on the known image.
9GLTHW	Similar	approx. intercanthal distance appears to be similar; degree of hoodedness can’t be compared due to quality of known image and obstruction by the glasses frame; overall eye shape, level alignment, and size appear to be similar, but are difficult to compare due to the lenses of known’s glasses; darker coloration/pigmentation beneath the eyes appear to be similar; due to the obstruction of the glasses, no other component characteristics are visible for comparison
9KFMFY	[Not Reported]	difficult to compare smaller/finer details of eyes of Known(1) due to quality and presence of glasses; appears to have similar intercanthal distance; approx. distance of medial canthi to medial ends of eyebrows appears similar
9U4MPG	Inconclusive	Diff might be explained by other mimic/mood
AKVB9D	Unable To Compare	low quality known image limits observations.
B2Z6FC	Unable To Compare	Unable to compare due to blurriness of known and because of glasses
BZH38T	Unable To Compare	Cannot be compared due to the eyeglasses.
CKPXLT	Unable To Compare	Image quality in the Known limits eyes visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Similar	glasses and quality make known eye area hard to follow features

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Image Set Q11: Table 4.11(g) - Eyes

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	Similar	Eyes – Even with this Known wearing glassed obscuring view it is apparent that the distance between eyebrow to superior orbital groove is consistent with Unknown. Same Overall eye shape and size with iris to sclera ratio consistent in subjects. Similar lower eye lids but creases only visible in Unknown possibly due to Knowns glare from glasses. Because of Unknowns glasses obscuring view and image quality further analysis could not be completed
EGYH2B	Unable To Compare	
ELRHHR	Similar	same eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Inconclusive	
FZRJT8	Similar	The known is wearing glasses which makes it difficult to compare the eyes, but they appear to be similar size, shape, and distance from each other.
H2WQ96	Similar	Intercanthal distance and interpupillary distance appear similar, but known is wearing glasses and it's difficult to compare.
HFB7XM	Unable To Compare	Colour seems similar. Might be a slightly offset of the eyes.
HRQ6L4	Similar	similar color, shape, angle, size, and positioning.
HUCPQ8	Inconclusive	
HYQFYM	Similar	Similar fissure, other details not discernable due to image quality of Known image.
JL2M67	Unable To Compare	
K3KWNM	Similar	Eyes are similar in location/shape. Many details of the eyes cannot be compared due to the image quality and the Known wearing glasses.
KEBXX2	Unable To Compare	Due to the known's poor image quality and wearing of glasses, I cannot compare these features
KHWG47	Unable To Compare	
L7ZVC2	Similar	Eyes are symmetrical and centered in similar fashion between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Inconclusive	shape is similar, the known has a slight glare on eyes due to glasses, medial canthus is hard to be certain due to quality of the known, superior and inferior palpebral creases are more visible in the unknown due to quality/age, eyelids are both visible but hard to say if they are similar due to quality of the known
LQZ4DH	Similar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Inconclusive	Low-resolution known

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Image Set Q11: Table 4.11(g) - Eyes

WebCode	Observation	Feature Notes
PD3BCW	Similar	Despite the known image having framed, clear, corrective lenses across the eyes, it is apparent that each known and unknown images have wide, open eyes that are framed by high-arched upper eyelids. There is a raised, darker area below the left eye that stands out against the surrounding skin that is equal in placement, size and shape on both known and unknown images. The infra-orbital margin, superciliary arch and zygomatic bone all appear consistent in shape, size and protrusion. The infraorbital creases appear similar in tone and fullness.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Eyes appear large in size in U; eyes appear dissimilar in overall shape, may be due to quality/obstruction of glasses in K; fine details not available for comparison; intercanthal distance appears similar.
PRMQFV	Unable To Compare	Known is wearing glasses, unknown is not. Unable to compare details due to the quality of the knowns image.
PVM3BV	Similar	details of the eyes in the known are difficult to determine due to quality of the image - general size of the eyes appear to be smaller on the known which could be explained from the quality and the corrective lenses on the known that are not present on the unknown
PWHKDW	Inconclusive	both appear to have brown eyes. Glasses and reflection in known obscuring other details
PWYRHE	Unable To Compare	Can't be compared.
PX9LGZ	Unable To Compare	Not able to compare due to glasses on the known image.
PY46H2	Similar	overall shape. Limited by blur of known, glasses
Q49MUY	Similar	
QTWDAF	Similar	The fissure appears to have a similar shaping on both subjects. The intercanthal distance seems consistent. The depth of the eyes appears to be similar. The lateral canthi appear to be higher than the medial canthi on both subjects. The rest of the fine details of the face are not able to be compare more thoroughly due to the image quality of the known.
QYFHZU	Inconclusive	The intercanthal and interpupillary distance are similar. The known subject is wearing glasses and the image is out of focus making it hard to see the eyes.
R273NE	Similar	similar shapes of eyes, similar sizes, similar positions at which they sit on head, similar interpupillary distance between eyes. Similar under eye line on right side. Known to blurry and wearing glasses to see details around eyes other than the noted under eye line
TBLBPC	Inconclusive	obscured by glasses/out of focus
U6E77R	Unable To Compare	glasses and blurry photo make them hard to compare
U778AU	[No observations reported for this feature.]	
UZ6NFC	Inconclusive	
V7PBGV	Unable To Compare	obscured

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Image Set Q11: Table 4.11(g) - Eyes

WebCode	Observation	Feature Notes
XPRZMN	Similar	Known is wearing glasses with reflective lenses. Similar intercanthal distance, eye fissure opening, and amount of visible sclera. Unknown's eyeballs look more prominent with larger iris diameter, but it's likely that the reduced image quality and glasses in the Known is contributing towards the dissimilar appearance of these features. The superior palpebral furrow is deep with slight hooding in the Unknown (with additional superior fine lines), but it is obscured by the frame of the glasses in the Known. The lower eyelid shape and fullness appears similar. The inferior palpebral creases and infraorbital furrows are somewhat similar, but difficult to see in the Known.
XQMJNP	Inconclusive	Overall eyes appear to be similar shape. Known is wearing glasses and image is out of focus obscuring any detail in the eye area.
XTNLEQ	Similar	Same eye distance and iris color
XYERF8	[Not Reported]	Limited observations only - Similarities include: Intercanthal distance – limited, Eye fissure opening: shape, angle. Not comparable: Interpupillary distance, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, position in, relation to iris/pupil, lash characteristics, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, visibility of the infraorbital furrow, position in relation to iris/pupil, lash characteristics, Eyeball prominence, Sclera: visibility, Iris: visibility, diameter relative to eye opening, position relative to eye opening, irregularity of iris, Medial canthus: caruncle, shape, angle, Lateral canthus: shape, angle, Asymmetry
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q11 Eyes

Total Participants: 61

Response	Percent Reported
Similar	23 (37.7%)
Dissimilar	0 (0.0%)
Inconclusive	17 (27.9%)
Unable to Compare	21 (34.4%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar cheek fullness
34T74N	Similar	
3LFL7K	Similar	Both subjects' cheeks have the same fullness and shape. Blurriness blocks comparison of specific marks and/or features.
3M7MAM	Similar	Consistent cheeks contour.
4T9DRJ	Similar	similar cheek structure
6JZ4ZJ	Similar	Similar shape
7B6GQY	Similar	
7PHQBF	Similar	The shape of the cheeks along with the protrusion of the cheek bones appear to be similar between the probe and candidate.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Similar in width and puffiness of the apple area. The nasal lines that extend from the bridge of the nose and runs down the cheeks are also consistent in length and placement. There is a similar shadowing/coloration of a shorter crease on the outer left nasal crease.
9GLTHW	Similar	triangular-like shape, small size, and degree of fullness are consistent; bottom part of known's glasses cover the majority of the cheekbones and therefore they can't be compared; unknown has several raised facial marks and darker pigmented spots that are very prevalent in this area, specifically between the infraorbital and nasolabial creases, however due to the blurry quality of the known image, none of this texture is evident
9KFMFY	[Not Reported]	part of cheek of Known(1) covered by glasses; appear to have similar shape/size/fullness of cheeks
9U4MPG	Similar	
AKVB9D	Similar	full rounded cheeks
B2Z6FC	[No observations reported for this feature.]	
BZH38T	Similar	The cheek shape around the cheekbone area is similar.
CKPXLT	Similar	Similar soft tissue fullness.
CUYZ8T	Similar	
D2QZYQ	Similar	similar shape and roundness
DA6QFC	Similar	
EGJRJR	Similar	Cheeks – Known has fuller cheeks than Unknown but consistent nasolabial fold angles. Unknown has texture in cheek area which is more prominent and widespread on left cheek. Known is wearing glasses obscure this region coupled with expression differences in individuals, lighting, and image quality limit analysis for proper comparison.

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Image Set Q11: Table 4.11(h) - Cheeks

WebCode	Observation	Feature Notes
EGYH2B	Inconclusive	
ELRHHR	Similar	same in shape and fat distribution
FBEYWM	Similar	
FZRJT8	Similar	The size and shape of the cheeks appear similar
H2WQ96	Similar	Shape and fullness appear similar.
HFB7XM	Similar	Appears similar.
HRQ6L4	Similar	similar contour, prominence, and shape.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in texture and fullness. Other details not discernable due to image quality of Known image.
JL2M67	Similar	
K3KWNM	Similar	Cheeks are similar in size/location/shape
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Cheeks are full and high cheekbones are visible between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size/shape is similar, unknown has more marks visible due to quality, unknown appears to have some scars that are not visible in the known due to quality
LQZ4DH	Similar	Cheekbone (prominence) and shape
P6CLXG	Similar	Low-resolution known
PD3BCW	Similar	Both known and unknown individual's cheeks consistently show the burden of time and age etched into dark, weathered skin. The cheeks are slightly sunken from age. There is a small cluster of tiny, raised lesions on the upper left and right cheeks, similar in hue and form, and a discolored/darker area on the upper left lateral ridge of the nose, adjacent the left inner canthus, that are consistent between known and unknown images.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Cheekbones appear similar in prominence and shape; soft tissue appears similar in shape and fullness; dimples present in both.
PRMQFV	Similar	Shape and fullness of the cheeks are similar.
PVM3BV	Similar	cheeks appear to be similar in general shape and fullness - texture of the known cheeks appear to be smoother which could be from the lesser quality image
PWHKDW	Similar	similar cheek structure. Defined cheek bones

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Image Set Q11: Table 4.11(h) - Cheeks

WebCode	Observation	Feature Notes
PWYRHE	Similar	prominent
PX9LGZ	Similar	The cheeks have a similar shape.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The cheek bones appear to have a similar placement and width. The cheeks appear to have a similar fullness, length, and the lateral portions appear to be more indented on both subjects.
QYFHZU	Similar	
R273NE	Similar	similar size and shapes in both cheeks of known and unknown. Similar contouring in both cheeks.
TBLBPC	Similar	
U6E77R	Similar	seem to be similar in shape and prominence
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar shape, and similar fullness in the mid-cheek area.
XQMJNP	Similar	Both subjects have full round cheeks.
XTNLEQ	Inconclusive	Dimple in A only (angle-dependent)
XYERF8	[Not Reported]	Similarities include: Cheekbone prominence, Cheek shape. Not comparable: Dimples
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Cheeks

Total Participants: 60

Response	Percent Reported
Similar	57 (95.0%)
Dissimilar	0 (0.0%)
Inconclusive	3 (5.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar nasal root and bridge width and prominence; similar nasal tip width; similar bulbous nasal tip shape; similar nasal alae shape and attachment; similar shaped and prominent nasolabial folds; similar downward projection of the nasal tip covering the columella
34T74N	Similar	
3LFL7K	Similar	The noses of both appear the same in shape with regard to the nostrils, tip, width and shape below the bridge. Blurriness and glasses distort the appearance for further comparison.
3M7MAM	Similar	Consistent nose shapes.
4T9DRJ	Similar	similar size and shape of nose.
6JZ4ZJ	Similar	Nasel base, tip and body
7B6GQY	Similar	
7PHQBF	Similar	The probe and candidate have short nasal body but they have a wider nasal base. The shape of the nasal tip appears to be similar between both images as well. The shape of the nostrils appears to be consistent between the probe and candidate. The shape of the alas appear to be consistent as well.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in length and width of the bridge of the nose. The nostrils are consistent with a crease above each nostril. The bulbous/rounded full tip of the nose is also consistent. The relation of the nostril placement to that of the upper lip is similar. The placement and spacing of the philtrum is similar.
9GLTHW	Similar	overall irregular shape, large size, and lack of protrusion are consistent; despite the bridge of the glasses covering known's nasal bridge and body, it is clear that the width and shallowness of the nasal bridge, and the narrowness, compact length, and concaved shape of the nasal body are consistent; extreme bulbous nature of the nasal tip and width of the nasal base are similar; rounded shape, thickness, and symmetrical alignment of the alas, and shape and small size of the nostrils appear to be similar; short length, depth, and subtly curved and asymmetrical shape of the nasolabial folds are similar, with the left connecting to the marionette line, whereas the right runs parallel
9KFMFY	Similar	similar width of nasal base; similar bulbous shape to nasal tip; appears to have similar curve to left/right nostrils; appears to have similar shape/thickness of left/right ala
9U4MPG	Similar	
AKVB9D	Similar	low quality known image limits observations. similar narrow nasal body, wide rounded nasal tip and round alae.
B2Z6FC	Similar	Similar rounded nasal tips with thick alas. Nostrils barely visible with both. Both have a short nasal body
BZH38T	Similar	The shape of nose is similar.
CKPXLT	Similar	Similar overall nose bridge, tip and alae shape and size.

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Image Set Q11: Table 4.11(i) - Nose

WebCode	Observation	Feature Notes
CUYZ8T	Similar	
D2QZYQ	Similar	nose tip and nostril shape very similar in shape, curvature
DA6QFC	Similar	
EGJRJR	Similar	Nose – Individuals have shallow nasal root, large round nasal tip with faint supra alar creases. Nasal base is not visible in subjects but thick columella appears to have a larger width than nostrils.
EGYH2B	Similar	
ELRHHR	Similar	same in height, nostril width, and geometric shape
FBEYWM	Similar	
FZRJT8	Similar	The overall size and shape of the nose appears similar
H2WQ96	Similar	Nose shape, length, and width appear similar.
HFB7XM	Similar	Similar shape of the nasal base, nasal tip and nasal root.
HRQ6L4	Similar	similar width and shape of nasal root and body, similar length, similar contour and prominence of nasal tip and alae; similar width of nasal base.
HUCPQ8	Similar	
HYQFYM	Similar	Narrow nasal root, body, wide tip and base. Wide columela alas.
JL2M67	Similar	
K3KWNM	Similar	Nose is place in similar location on the face. Nasion crease is similar in shape/length/depth. Nasal bridge is similar in width/length. Nasal body is similar in length/width/shape/contour. Nasal tip is similar in size/shape. Nostrils are similar in shape/size. Ala are similar in size/shape/thickness. Columella is similar in shape. Nasolabial folds are similar in size/shape/length/depth.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Nose body, nasal root and nasal bulb exhibit similarities between known and unk. Somewhat slightly obscured in known as glasses are presented. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	length is similar, nasal root is similar, base of nose is similar, tip of nose is similar, marks throughout unknown nose are not visible in the known due to quality/age, nasolabial folds are similar in location/size, nostril shape is hard to say due to angle
LQZ4DH	Similar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Similar	Low-resolution known

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Image Set Q11: Table 4.11(i) - Nose

WebCode	Observation	Feature Notes
PD3BCW	Similar	Both known and unknown images have a consistent prominent nasal structure characterized by a rounded, wide, fleshy tip and plump nostrils, accentuated by distinct, deep, nasolabial folds. The alar crease's are consistent in curvature and size. The nasal base is consistent in contour, width and prominence.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Nasal root appears similar in width; overall size of nose appears similar; nasal tip appears similar in size and how bulbous it is; nasal base similar in width; columella similar in width; nostrils similar in shape and size; alae appear similar in thickness and shape; similar distance from nasal base to upper lip.
PRMQFV	Similar	Length and width of the nasal body is similar. Tip of the nose is bulbous on known and unknown. The curvature of the nostrils appear to be similar. The width of the nose is similar. Left and right ala are found in similar locations. Columella appears to have a similar thickness.
PVM3BV	Similar	the nose appears to be similar in shape and size - both subjects appear to have a rounded nasal tip and the nasolabial folds appear to be similar in angle and prominence from the nose to the corner of the mouths
PWHKDW	Similar	Large nose tip and thin nose bridge
PWYRHE	Similar	platyrrhine nose
PX9LGZ	Similar	Both have distinctively wide and bulbous noses.
PY46H2	Similar	Shape, alae, root, bridge
Q49MUY	Similar	
QTWDAF	Similar	The nasal root appears to be indented and wide on both subjects. The nasal body is very short and narrow on both. The nasal tip is bulbous and the nostrils are wide on both.
QYFHZU	Similar	The nasal root, body, tip and base are all similar. The nostril opening and columella are both consistent.
R273NE	Similar	similar indention and width at nasal root, similar width and curvature down through body, similar bulbous nasal tip shape and size, similar ala shapes and sizes in known and unknown
TBLBPC	Similar	
U6E77R	Similar	overall shape/ length and width of noses are similar. Nasal tip is very round in both subjects. Nasal body is very short in both, nasal tip is large.
U778AU	Similar	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar symmetrical nasal outline and size. Similar width of nasal root and nasal body. Similar bulbous rounded nasal base/tip. Similar shape and perceived thickness of alae. Similar nostril outline. Similar columella shape and width.
XQMJNP	Similar	Both subjects have a short skinny bridge and a wide base with the nostrils and tip defined.
XTNLEQ	Similar	Same nose bridge and nostrils

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Image Set Q11: Table 4.11(i) - Nose

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Nasal outline: shape, length, width, prominence, Nasal body: width, length, shape, angle, contour, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Nostrils: shape, size, Asymmetry and deviation. Not comparable: Nasal root: width, length, shape, depth, angle, Columella: width, length, relative position
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Nose

Total Participants: 63

Response	Percent Reported
Similar	63 (100.0%)
Dissimilar	0 (0.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Similar	unable to fully compare due to hair partially covering in unknown and known image quality; similar protrusion from the head; similar overall size; similar shape and outward protrusion of the upper helices; similar shape and prominence of the anti-helices; similar lobe shape and attachment; both individuals have single piercings on the lobe in similar location
34T74N	Similar	
3LFL7K	Similar	The overall shape of the helix of the ears on both subjects appear similar. The antihelix of the right ear and a portion of the lobe are visible on both and are consistent in shape as well.
3M7MAM	Similar	Consistent visible auricular morphology.
4T9DRJ	Similar	similar size and position of ears for what little is visible.
6JZ4ZJ	Unable To Compare	Unclear as picture B – right and left ears are covered by hair
7B6GQY	Similar	
7PHQBF	Similar	The overall shape of the ears appears to have some consistencies. But due to the quality of the candidate further comparisons cannot be done.
89T2WX	Similar	The contour is similar, but the known sample is blurry
8FP3RH	Similar	
8ZX32H	Unable To Compare	
93ZDEX	Similar	Placement and length on the right side of the head appears consistent. The known file helix is not as outward turned as that of the unknown, this could be due to the way the unknown's hair is tucked behind the ear.
9GLTHW	Similar	due to poor quality of the known image, the minute component characteristics are not clear for comparison, however overall elongated shape, size, thickness, small degree of protrusion, and lobe attachment appears to be similar
9KFMFY	[Not Reported]	difficult to compare details of ears due to quality of Known(1) and subject-to-camera distance; appear to have similar thickness to visible curve of right helix
9U4MPG	Similar	
AKVB9D	Unable To Compare	not fully visible due to poor quality and/or hairstyle
B2Z6FC	Similar	Similar outline shape with a helix that sticks out further than the lobe. Cannot compare details due to blurriness of known
BZH38T	Similar	The shape of ears is similar.
CKPXLT	Similar	Similar overall ear shape and angle.
CUYZ8T	Similar	
D2QZYQ	Similar	similar lobe shape
DA6QFC	Inconclusive	

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Image Set Q11: Table 4.11(j) - Ears

WebCode	Observation	Feature Notes
EGJRJR	Similar	Ears – Along with a raised antitragus both subjects appear to have piercing in detached lobes, and jewelry worn is consistent in size, shape, and tone. Individuals have large ears that are relatively flat on subject's head with slight protrusion of helix recurve.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same shape and same earlobe
FBEYWM	Similar	
FZRJT8	Similar	The ears appear to be of similar position, size, and shape.
H2WQ96	Similar	Size, shape, and protrusion of the tip of ears appear similar.
HFB7XM	Similar	Similar outline of ears. Similar shape of antihelix/antitragus.
HRQ6L4	Similar	similar shape and contour of visible portions of helix and ear lobes.
HUCPQ8	Similar	
HYQFYM	Similar	Overall shape appears similar. Other details not discernable due to image quality of Known image.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	
KEBXX2	Similar	
KHWG47	Unable To Compare	
L7ZVC2	Similar	Right ear is present in both known adn unknown. Helix, antihelix are a match as are the attached earlobe shapes between known and unk. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	most of the left ear of unknown is not visible due to hair/angle, some of the right of known is not visible due to hair, both have earrings in, size/shape of the right ear appears to be similar, thickness of helix appears to be similar but can't be certain due to quality of the known, placement on head appears to be similar
LQZ4DH	Similar	Overall shape and protrusion, Helix, Anthehelix, Lobule (Lobe)
P6CLXG	Similar	Low-resolution known
PD3BCW	Similar	Although the known image is blurred and finer details are not visible, the ears of both unknown and known appear consistent in size, shape, placement, and protrusion from head. The contour of the helix and earlobes are consistent in contour, size and shape on both right and left ears of the known and unknown individual.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Left protrusion of upper helix appears similar and protrusion of antitragus and lobe appear similar; piercing in both ears. Right ear helix angle/width similar; antitragus and lobe similar in protrusion and shape.
PRMQFV	Similar	Curvature of the right helix is similar. General size of the right ear is similar. Only part of the left ear is visible on the unknown. Both subjects are wearing earrings.

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Image Set Q11: Table 4.11(j) - Ears

WebCode	Observation	Feature Notes
PVM3BV	Similar	majority of the ears of the subjects are not visible with great detail for comparison - general outline of the right ear appears to be similar in shape - both subjects are wearing similar earrings
PWHKDW	Inconclusive	Difficult to compare due to image quality and hair partially covering ear
PWYRHE	Similar	Compatible helix, antihelix, and lobe.
PX9LGZ	Dissimilar	The the upper tips of the helix on unknown image are more protruding and wider appart than on the known image.
PY46H2	Similar	Right- helix, lobe
Q49MUY	Unable To Compare	
QTWDAF	Similar	The right ear has a similar angled helix, prominent antihelix, and thick antitragus. The left ear likely have a similar angle to the helix however the quality and obstruction of hair makes this and the rest of the fine details unable to be compare.
QYFHZU	Similar	The ear shape, size and placement are consistent.
R273NE	Similar	Both have similar size and shapes of both ears, similar positions at which they sit on head, similar protrusions from head at top and bottom of ears in know and unknown. Helix shapes at top are similar. Both are wearing earrings in both ears which make earlobes appear similar in shapes.
TBLBPC	Similar	
U6E77R	Inconclusive	the outer shape of the ear, including the left and right lobes. the right ear protrusion appears similar, but not enough showing to compare
U778AU	Similar	
UZ6NFC	Unable To Compare	
V7PBGV	Similar	
XPRZMN	Similar	Right and left ears are both visible for comparison. Ear shapes, placement on head, and protrusion from head are consistent. Superior helix has similar thickness and lateral-bending angle. Somewhat similar triangular fossa. The contours of the antihelix are consistent, but the Known quality is too low to see details. Detached lobes have similar shape and thickness. Similar ear piercing.
XQMJNP	Similar	Overall shape of both subjects' ears appears similar. Left ear is less visible than right on both subjects.
XTNLEQ	Similar	Similar ears, same earrings
XYERF8	[Not Reported]	Similarities include: Asymmetry, Ear protrusion, Overall ear: size, shape angle (limited observations only). Not comparable: Helix: size, shape, Tubercles: size, shape, quantity, Antihelix: size, shape, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: size, shape, attachment, Abnormalities.
XYJ9D7	Similar	
YGARYR	Similar	

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Image Set Q11: Table 4.11(j) - Ears

WebCode	Observation	Feature Notes
YKTY67	Similar	

Features Observations Response Summary - Q11 Ears

Total Participants: 62

Response	Percent Reported
Similar	48 (77.4%)
Dissimilar	1 (1.6%)
Inconclusive	4 (6.5%)
Unable to Compare	8 (12.9%)
Not Applicable	1 (1.6%)

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Image Set Q11: Table 4.11(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar overall size of the mouth; similar distance between upper lip and nose; similar philtrum shape, width and prominence; similar upper lip shape, but the unknown's appears slightly more full (could be due to image quality issues); similar lower lip fullness and protrusion creating a similarly shaped mentolabial sulcous; similarly shaped and prominent marionette lines
34T74N	Similar	
3LFL7K	Similar	The general shape of the mouths are similar on both known and unknown, to include the cupid's bow, lip fullness, fissure opening and corners.
3M7MAM	Similar	The mouth shapes look similar.
4T9DRJ	Similar	mouth has same expression and shape of upper and lower vermilion border.
6JZ4ZJ	Similar	Overall mouth upper lip, lower lip and philtrum are Symmetry
7B6GQY	Inconclusive	
7PHQBF	Similar	The shape of the upper lips appears to be similar between the probe and candidate. The cupid’s bow of the probe and candidate appear to be similar in their peaks.
89T2WX	Inconclusive	There is a slight difference in the thickness of the upper lip
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Inconclusive	The shape and thickness of the bottom lip appears consistent and appears to turn/jut outwards. The upper lip of the unknown image appears thicker and more full than the thin upper lip of the known image, this could be due to angle pose. The shadowing under the bottom lip appears similar and the distance from lower lip to chin appears consistent. The placement of the marionette creases that extend from the corners of the mouth appear consistent in placement.
9GLTHW	Similar	philtrum shape, short height, width, and shallowness are consistent; overall shape, width, and degree of protrusion are similar; shape of upper vermillion border and squared shape of the lower vermillion border are similar; uneven tonality of the lips, with the upper lip a darker pigmentation versus the lower lip only outlined with the same darker pigmentation and predominately a deep pink color, is consistent; upper lip thickness is dissimilar, as known’s appears to be significantly thinner than unknown’s, however this could be attributed to quality or a slight expression difference; the subtle expression difference could also account for the differences in marionette line shape, as known’s are just ever so slightly rounded, whereas unknown’s possess more of an angular shape, however both begin at the corners of the mouth; there is a darker pigmentation area at the right corner of the mouth that is similar in size
9KFMFY	[Not Reported]	similar size/curve of lower lip; upper vermilion border appears to follow similar curve with v-shape to cupid’s bow; upper lip appears thinner for Known(1), may have difference in how lip is being pursed/pulled for mouth
9U4MPG	Inconclusive	Possible thinner upper lip in known
AKVB9D	Similar	low quality known image limits observations. wide mouth fissurewith slight downturn at lateral corners/ marionette lines.

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Image Set Q11: Table 4.11(k) - Mouth

WebCode	Observation	Feature Notes
B2Z6FC	Similar	Similar vermillion border on the bottom lip. Similar bottom lip prominence. Similar cupid's bow
BZH38T	Similar	The shape and the fullness of the lip are similar.
CKPXLT	Dissimilar	Dissimilar overall mouth and fissure shape and size and, upper and lower lip shape and size.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	known upper lip appears thinner, bottom lip appears similar in shape and thickness
DA6QFC	Dissimilar	
EGJRJR	Similar	Mouth – Subjects have full lips similar thickness throughout with bottom lip appearing thicker than upper lip which is brown in hue. Tubercle region of appear to protrude slightly with tori of lower lip is indented, depressed, and/or concaved both of which probably contribute to the soft wave in subjects' otherwise straight fissure. which may be attributed to age difference. Prominent lower vermillion boarder of Unknow protrudes slightly in tori of lower lip and is brown appearing almost like makeup again pink lip. Both subjects have a fissure that downturns in lateral commissure with the left side meeting subject's nasolabial fold and forming what looks like an anchor.
EGYH2B	Similar	
ELRHHR	Similar	same shape and texture
FBEYWM	Similar	
FZRJT8	Similar	The mouth shape and size are similar. The vermilion boarder and cupid's bow appear similar
H2WQ96	Similar	Size of mouth and fullness of lower lip appear similar. Top lip of known appear thinner, though, which may be explained by how known in holding their mouth.
HFB7XM	Similar	Similar width, shape of amour-bow, position of the left commissure and protrusion lower lips. Known's upper lips appears fuller.
HRQ6L4	Similar	similar width; similar contour of upper and lower vermillion borders; similar shape and depth of philtrum.
HUCPQ8	Similar	
HYQFYM	Similar	Fissure and lip details appear similar.
JL2M67	Similar	
K3KWNM	[Not Reported]	Mouth is placed in a similar location on the face. Vermillion border is similar in shape/contour. Upper and lower lips are similar in shape/color/thickness. Upper lip appears smaller in the Known. Due to photo quality, lip creases are only visible in the Unknown. It could also be due to aging. Philtrum is similar in location/shape/width/length. Marionette lines are similar in location/size/shape.
KEBXX2	Similar	
KHWG47	Dissimilar	Upper lip
L7ZVC2	Similar	Mouth placement and vermillion line are similar. Sulcus may be slightly obscured in known due to photo quality. Sim

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Image Set Q11: Table 4.11(k) - Mouth

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	shape/size is similar, marionette lines are similar, upper lip appears to be thinner in the known but could be due to quality, cupid bow appears to be similar but can't be certain due to quality, lower vermillion border appears to be similar, fissure of mouth appears to be similar but can't be certain due to quality
LQZ4DH	Similar	Overall shape, upper lip, Filtrum, lower lip, labial commissure
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	The lips are closed, gently pressed together, the contour of the oral fissure has a consistent gentle wave. The upper lip extends slightly longer than the lower. The philtrum on both known and unknown is smooth and indistinct. This absence of definition of the philtrum contributes to a flattened appearance in the midline of the upper lip and subtle curve of the cupids bow. Both known and unknown's oral commissures have a soft, consistent downward curve. Adjacent to the oral commissures are short buccolabial grooves that are consistent in placement, shape and size. The lower lip of both known and unknown image has a consistent slight outward curve, suggestive of a pout.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Overall size of mouth appears similar; philtrum appears similar in width and prominence; upper vermillion and lower vermilion border appear similar in shape; similar fullness and variation in tone in lower lip; fullness of upper lip dissimilar, may be due to expression; mentolabial sulcus appears similar in location and depth.
PRMQFV	Similar	Similar expression, both are smiling with no teeth showing. Fullness of the lips are somewhat similar, upper lip is thinner on the known. Marionette lines are found in similar locations and have a similar prominence. Cupids bow has a similar curvature. Tone of the lips appear to be similar.
PVM3BV	Similar	mouth appears to be similar in general shape and size - creases around the mouth appears to be similar - upper and lower vermillion borders appear to be similar in shape
PWHKDW	Inconclusive	upper lip on unk appears bigger, but bottom lip is similar.
PWYRHE	Similar	thick lips
PX9LGZ	Dissimilar	The upper lip is narrower on the known image.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The upper lip appears to be thinner on the known however this could be due to quality. The lower lip appears to protrude on both subjects and has a similar width. There is a similar area of miasma on both subjects. The fissure of the mouth appears to be similar in contour.
QYFHZU	Similar	The size, shape, and placement are similar.
R273NE	Similar	Both known and unknown have similar lip shapes, similar downturns of mouth ends, similar fissure curvature in both. Philtrum above mouth is similar in both.
TBLBPC	Similar	

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Image Set Q11: Table 4.11(k) - Mouth

WebCode	Observation	Feature Notes
U6E77R	Similar	overall shape of mouths are similar. Lower lip is full in both subjects. Lip fissure appears to be similar.
U778AU	Similar	
UZ6NFC	Inconclusive	
V7PBGV	Dissimilar	expression
XPRZMN	Similar	Similar philtrum length/width/depth/shape. Similar overall mouth shape, but Unknown's upper lip appears fuller. Lower lip is similar in shape, fullness and coloring.
XQMJNP	Similar	Shape and outline of mouth is similar on both subjects. Known upper lip appears thinner than unknown upper lip. Both subjects have a similar cupids bow. Both subjects have vertical facial lines at corners of mouth, similar in shape and size.
XTNLEQ	Similar	Same Cupid's bow
XYERF8	[Not Reported]	Similarities include: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, protrusion, upper vermillion border shape, Lower lip: shape, protrusion, lower vermillion border shape, Lip fissure: shape, degree of contact, angle, Asymmetry. Dissimilarities include: Upper lip: fullness, Lower lip: fullness. Not comparable: Upper lip: detail, Lower lip: detail, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Similar	

Features Observations Response Summary - Q11 Mouth	Total Participants: 61
Response	Percent Reported
Similar	47 (77.0%)
Dissimilar	6 (9.8%)
Inconclusive	8 (13.1%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(l) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similarly shaped and prominent jawline; similarly shaped and prominent chins
34T74N	Similar	
3LFL7K	Similar	On both subjects, the chin appears similar to inlcude the oveal all shape and prominence, and the mentolabial sulcus area. Also, the jawline appears consistent in shape with no obvious prominence to the gonial angle.
3M7MAM	Similar	Consistent chin contour.
4T9DRJ	Similar	similar chin and jaw line
6JZ4ZJ	Similar	Overall shape, Length or width or both relative to rest of face
7B6GQY	Similar	
7PHQBF	Similar	The contour of the jawlines appears to be consistent between the probe and candidate. The shape of the chin also appears to be similar between the two images as well.
89T2WX	Similar	The shape is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Similar in shape and width. The distance from the bottom lip to the chin is similar. The placement of the mandibular crease is consistent.
9GLTHW	Similar	rounded shape, length, and softness of the jawline are similar; width, short height, rounded- square shape, rounded contour, and prominence of the chin are similar
9KFMFY	Similar	similar shape to chin; both appear to have round curve of jawline
9U4MPG	Similar	
AKVB9D	Similar	rounded jawline with wide flat chin
B2Z6FC	Similar	Both have a more square chin with a rounded gonial angle and jawline
BZH38T	Similar	The jawline is similar.
CKPXLT	Dissimilar	Dissimilar jawline shape and angle and, chin shape and size.
CUYZ8T	Similar	
D2QZYQ	Similar	creases appear similar in location and relationship
DA6QFC	Inconclusive	
EGJRJR	Similar	Chin/Jawline – Unknown has square jawline into a rounded chin. Known has a chin that protrudes slightly forward and a soft jawline. Jowl sulcus seems to be forming, or subject has droopy skin forming in this region, this is not visible in Known which may be attributed to age difference in subjects.
EGYH2B	Similar	

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Image Set Q11: Table 4.11(l) - Chin/Jawline

WebCode	Observation	Feature Notes
ELRHHR	Similar	same shape
FBEYWM	Similar	
FZRJT8	Similar	The chin and jawline are similar size and shape
H2WQ96	Similar	Chin and jawline appear similar.
HFB7XM	Similar	Appears similar.
HRQ6L4	Similar	similar contour and prominence
HUCPQ8	Similar	
HYQFYM	Similar	Rounded jawline and chin similar.
JL2M67	Similar	
K3KWNM	[Not Reported]	Chin is similar in size/shape. Cleft chin is similar in size/location. Jawline is similar in size/shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Similar	Chin in unk seems slightly more pointed than in known, however known photo is of poor quality and may be obscuring detail in the chin. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	size/shape of chin appears to be similar, chin protrudes outward in both, marks on the unknown are not visible in the known due to quality/age, jawline is thicker in the unknown but that's due to weight/age, mentolabial sulcus is similar
LQZ4DH	Similar	Chin, Jawlines
P6CLXG	Similar	Low-resolution known
PD3BCW	Similar	Both known and unknown have a similarly square shaped chin with a narrow/high jawline. The weight, fullness, size, shadowing and shape under the chin is consistent. Chin and gonial angle appear consistent in shape/size. and width.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears more prominent and pointed in U; more cleft in K, may be due to lighting/imaging conditions/pose. Jawline appears similar in shape and definition; gonial angle similar.
PRMQFV	Similar	Chin is rounded on both known and unknown. Jawlines isn't prominent on either subject.
PVM3BV	Similar	general shape of the chin and angle of the jawline appear to be similar between subjects
PWHKDW	Similar	rounded chin
PWYRHE	Similar	both are sharp
PX9LGZ	Dissimilar	The jawline on the known image is a bit ronder an the chin seems to be more protruding.

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Image Set Q11: Table 4.11(l) - Chin/Jawline

WebCode	Observation	Feature Notes
PY46H2	Similar	Unknown slightly wider (time/age)
Q49MUY	Similar	
QTWDAF	Similar	The chin appears to be more pointed in the unknown however this could be due to the change in expression, weight, or quality. The jawline appears to have a similar angle on both subjects.
QYFHZU	Similar	The chin and jawline are similar.
R273NE	Similar	Both have similar gonial angles, similar curvatures of jawline, similar chin roundedness in shape and similar size in known and unknown. Both have sliught cleft in chin.
TBLBPC	Similar	
U6E77R	Similar	chin is round and similar in both subjects.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Similar chin shape and size relative to the face. Similar sulcus and cleft placement. Similar jawline shape and angle.
XQMJNP	Similar	Both subjects have a rounded jawline with a partially square chin.
XTNLEQ	Similar	Same chin
XYERF8	[Not Reported]	Similarities include: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition, Asymmetry
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q11 Chin/Jawline

Total Participants: 61

Response	Percent Reported
Similar	58 (95.1%)
Dissimilar	2 (3.3%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q11: Table 4.11(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	similar relative neck width; the unknown has prominent neck lines that seem to be similar to those present in the known in shape/number/prominence, but difficult to definitively tell due to image quality issues
34T74N	Similar	
3LFL7K	Similar	The necks of the known and unknown subjects is similar in width and length. Creases and marks aren't visible on the known due to photo blur.
3M7MAM	Unable To Compare	The unknown person exhibits prominent neck wrinkles, while the known person's cervical region appears obscured.
4T9DRJ	Similar	neck blurry to tell lines but position is consistent
6JZ4ZJ	Similar	Neck overall width/height
7B6GQY	Similar	
7PHQBF	Similar	Difficult to compare, but the neck wrinkles of the probe could be similar to the winkles on the upper part of the neck of the candidate.
89T2WX	Similar	The shape is similar, but the neck lines are blurry and the details are hard to discern
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Similar	Appears similar in width. There is a consistent double crease in the mid neck area that has one full/long crease and then another crease that is not complete/broken on the left side of the neck.
9GLTHW	Similar	width, length, and thick musculature are similar; unknown has four distinct neck creases, one relatively linear in shape that is shorter than and above the rest, three curved in shape, all running parallel with each other, but with two of them spanning across the upper portion of the neck, and the third at the base; known's creases aren't as visible due to quality of the image, however shadowing and darker pigmentation/coloration indicate that the three curved lines are similar in shape and spatial location
9KFMFY	[Not Reported]	width of neck appears similar; neck wrinkles appear more prominent for Unknown(2) which could be from age difference; start of curve of visible neck wrinkle of Known(1) from the left side of the neck appears to follow similar shape/position on neck as a neck wrinkle present for Unknown(2)
9U4MPG	Similar	
AKVB9D	Similar	low quality known image limits observations. similar depression on right side of neck
B2Z6FC	Similar	Similar in width
BZH38T	Similar	The length and width of the neck are similar.
CKPXLT	Similar	Similar neck height and width.
CUYZ8T	Similar	
D2QZYQ	Similar	creases appear similar in location and relationship
DA6QFC	Similar	

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Image Set Q11: Table 4.11(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	Similar	Neck – Unknown has a long neck with a horizontal crease in the center parallel to jawline and chin of subject. There is a second crease just below it that runs only from the right side of subjects neck and then crosses her midline. Unknown has also has a crease at the base of neck but due to attire worn but subject is can only be assumed it runs completely from one side to the other. Due to Known's image quality, cut off, and lighting neck is not visible for proper analysis needed for further comparison.
EGYH2B	Inconclusive	
ELRHHR	Similar	same geometric dimension
FBEYWM	Unable To Compare	
FZRJT8	Similar	The size and shape of the neck are similar. The creases on the neck appear to be similar.
H2WQ96	Similar	Length and width appear similar. Even though image of known is blurry, it appears that the creases in neck are similar to the in the unknown.
HFB7XM	Similar	Appears similar.
HRQ6L4	Similar	similar width and length.
HUCPQ8	Similar	
HYQFYM	Similar	Similar in size. Other details not discernable due to image quality of Known image.
JL2M67	Similar	
K3KWNM	[Not Reported]	Neck is similar in length/width. Neck wrinkle is similar in shape/location.
KEBXX2	Unable To Compare	Due to poor image quality of the known, I cannot see enough detail to compare
KHWG47	Similar	
L7ZVC2	Similar	Similar lenth and angles presented in unk and known. Simialr neck lines are visible but less so in known due to poor qualitu of photo. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Similar	width of neck is similar, length of neck is similar, neck creases are similar, marks on the unknown neck are not visible in the known due to quality/age, dark shadowing is similar in both
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	Low-resolution known
PD3BCW	Similar	There are three, parallel neck lines that run from the right side of the neck, around the front and to the opposite side, on the unknown image, that are not visible due to the blurred image quality of the known image. Although the neck lines on the known image are not distinct, the shape, shadowing, size and structure is consistent with the unknown image. The neck is consistent in width, length and weight.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Neck appears similar in width; similar neck crease but more prominent and dissimilar quantity in U, may be due to quality/aging.

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Image Set Q11: Table 4.11(m) - Neck

WebCode	Observation	Feature Notes
PRMQFV	Similar	Length and width of the neck appear to be similar. Tone of the neck is similar, lighter in similar areas. Unable to compare further details due to the quality of the knowns image.
PVM3BV	Similar	relative thickness of the neck appears to be similar between subjects - creases that are visible in the unknown appear to be visible in the known
PWHKDW	Inconclusive	Difficult to compare due to image quality
PWYRHE	Similar	The neck is long,
PX9LGZ	Similar	The neck width seems to be similar.
PY46H2	Similar	
Q49MUY	Similar	
QTWDAF	Similar	The neck appears to have a similar asymmetry, width, and placement of neck wrinkles on both subjects.
QYFHZU	Similar	
R273NE	Similar	Both have similar thickness relative to head, similar position of neck creases and adipose deposits.
TBLBPC	Similar	
U6E77R	Similar	necks appear to be similar in width/length. similar 2 horizontal wrinkles
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Inconclusive	similar but low res.
XPRZMN	Similar	Similar height/width related to height/width of head. Similar musculature along the midline of the neck. Similar dark patches on the left and right side of the bottom of the neck (I'm not sure if it's shadowing, but the shape is consistent between the two images).
XQMJNP	Similar	Both subjects have a long thin neck. Deep facial lines are noted on unknown neck. KNown appears to have faint facial lines in same locations. Difference in appearance could be due to age difference and/or quality of known image.
XTNLEQ	Similar	Similar neck and Adam's apple
XYERF8	[Not Reported]	Similarities include: Overall neck: width, height, details. Not comparable: Laryngeal prominence: shape, size, prominence, location
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

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Features Observations Response Summary - Q11 Neck		Total Participants: 60
Response	Percent Reported	
Similar	49 (81.7%)	
Dissimilar	0 (0.0%)	
Inconclusive	7 (11.7%)	
Unable to Compare	3 (5.0%)	
Not Applicable	1 (1.7%)	

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Image Set Q11: Table 4.11(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed on either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Similar	Overall facial hair symmetry
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Unable To Compare	low quality known image limits observations
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q11: Table 4.11(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	Low-resolution known
PD3BCW	Not Applicable	Neither known or unknown has facial hair
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Neither known nor unknown has visible facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	Can't be compared.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Similar	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q11: Table 4.11(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	Not Applicable	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Unable To Compare	No visible marks
XYERF8	[Not Reported]	Nil observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q11 Facial Hair

Total Participants: 63

Response	Percent Reported
Similar	2 (3.2%)
Dissimilar	0 (0.0%)
Inconclusive	1 (1.6%)
Unable to Compare	4 (6.3%)
Not Applicable	56 (88.9%)

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Image Set Q11: Table 4.11(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Similar	Partially UC.
3LFL7K	Similar	Due to blurrines of known subject's photo, the only facial lines visible for comparison are the nasolabial folds and the marionette lines. These are consistent between the two subjects.
3M7MAM	Inconclusive	Facial Lines obscuration in known person.
4T9DRJ	Similar	similar face lines for what is there on know is on unknown but unknown is much more clear.
6JZ4ZJ	Dissimilar	Facial lines between the two pictures differ significantly in visibility, distribution, and pattern.
7B6GQY	Similar	
7PHQBF	Similar	The candidate has a faint vertical glabellar line, that appears to line up with the one on the probe. The nasolabial folds of the probe and candidate appears to line up between the two images. The left and right marionette lines appears to line up between the probe and candidate.
89T2WX	Similar	The wrinkles between the eyebrows are similar, and the asymmetrical wrinkles at the corners of the mouth are similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	some facial lines appear more prominent for Unknown(2) than Known(2) which could be from age difference; similar curve/shape to left/right nasolabial folds; appear to have similar shape/curve/angle of left/right marionette lines curving from corners of mouth; appear to have similar curve/position relative one another of vertical glabellar lines, one that is more centered between eyebrows and another curving from medial end of left eyebrow
9U4MPG	Similar	Due the low quality very few lines to compare other than most overall similarities regarding nasolabial folds, marionette lines and similar vertical glabellar lines.
AKVB9D	Similar	low quality known image limits observations. similar vertical glabellar lines, right and left nasolabial creases originate in same general location. Left nasolabial crease curls into marionette line/buccal crease. right nasolabial crease ends outside marionette line
B2Z6FC	Similar	Both have marionette lines that run parallel to the nasolabial fold. They are also equal distance from each other
BZH38T	Similar	The wrinkles on the glabella (middle area between the eyebrows), the nasolabial folds and the wrinkles around the mouth are similar.
CKPXLT	Similar	Similar tonal variations similar to glabellar line, nasolabial folds placement, marionette lines, mentolabial sulcus and neck crease placement.
CUYZ8T	Similar	
D2QZYQ	Similar	similar throughout both images amonst features

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Image Set Q11: Table 4.11(o) - Facial Lines

WebCode	Observation	Feature Notes
DA6QFC	Inconclusive	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Similar	same dimensions and pattern
FBEYWM	Similar	
FZRJT8	Similar	Both have similar vertical glabeller lines, nasolabial folds, marionette lines, and neck creases
H2WQ96	Similar	Vertical glabellar lines, nasolabial folds, and marionette lines appear similar.
HFB7XM	Similar	Similar nasolabial lines and lines on both eyebrows appears similar in shape and position. Both appear to have marionette lines but the shape of the lines seems slightly different.
HRQ6L4	Similar	similar positioning and prominence of vertical glabellar lines, nasolabial folds, and marionette lines.
HUCPQ8	Similar	
HYQFYM	Similar	Distinct nasolabial folds and infraorbital lines similar.
JL2M67	Similar	
K3KWNM	[Not Reported]	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Similar	Appear to have similarly strong nasolabial folds, marionette lines, vertical glabellar lines and a crease (or scar) under the right eyebrow - though details are washed out on the known
KHWG47	Similar	
L7ZVC2	Similar	Nasolabial and marionette lines are present and visible in both known and unk but complete comparison is not available due to poor quality of known photo. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known has more lines/creases due to age/quality of the image
LQZ4DH	Similar	Frontal lines (horizontal), vertical glabelar line, nasal lines, mentolabial sulcus, wrinkles on neck
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Similar	Both known and unknown images have facial lines, as previously mentioned, weathered skin, distinct transverse crease at the nasal root, distinct buccolabial grooves.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Similar shape and location of vertical glabellar line; marionette crease appear similar in location and depth; nasolabial folds appear similar in shape and definition. Others aforementioned.
PRMQFV	Similar	Nasolabial folds have a similar prominence, length and are found in relatively similar locations. Inferior palpebral creases on the unknown, not found on the known possibly due to the difference in image quality or glasses.

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Image Set Q11: Table 4.11(o) - Facial Lines

WebCode	Observation	Feature Notes
PVM3BV	Similar	mentioned in the eyebrows, nose, mouth and neck sections above
PWHKDW	Similar	nasolabial folds are similar and creases near the mouth are similar.
PWYRHE	Similar	nasolabial folds and marionette lines
PX9LGZ	Unable To Compare	Not able to compare due to the blurriness of the known image.
PY46H2	Similar	nasolabial creases, creases extending from corners of mouth, creases by nose
Q49MUY	Similar	
QTWDAF	Similar	There appears to be a similar vertical glabellar crease on the right of both subjects (could be a scar) the nasolabial lines appear to have a similar angle, width, however the depth is different but this is likely due to the change in expression. The lines around the lateral portions of the lips appear to have a similar contour.
QYFHZU	Similar	The nasolabial folds and marionette lines are similar in placement and depth.
R273NE	Similar	Known and unknown have similar nasolabial line positions and curvatures, Marionette lines are also similar around mouth,
TBLBPC	Similar	
U6E77R	Similar	left and right nasolabial folds in unk subject are similr to known subject
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Similar	Most of the lines and creases visible on the Unknown are not visible on the Known due to image quality. Frontal lines not noted. Two vertical glabellar lines, with the right line being longer and deeper, are visible on the Unknown; these lines are also visible in the Known, there also appears to be a third vertical line lateral to the right line. There are similar diagonal creases directly under the medial end of the eyebrows, with the left crease being more prominent. Superior palpebral creases and periorbital lines are visible in the Unknown, but not the Known (due to image quality). Similar deep inferior palpebral crease and similar left infraorbital crease; a less defined right infraorbital crease is visible in the Unknown but can't be seen in the Known. Circumoral striae are visible in the Unknown but not seen in the Known. Similar nasolabial creases, marionette lines, and buccal creases (faintly visible in Known). Mentolabial sulcus is similarly directly under the lower lip and a similar faint chin cleft is visible. There are three prominent neck creases in the Unknown, and the top two can be faintly seen along the left side of the Known's neck.
XQMJNP	Similar	Unknown has more facial lines than known; this could be due to age difference. Facial lines around nose and mouth area appear similar on both subjects; starting at top of nostrils and extending outward. See above for additional descriptions.
XTNLEQ	Dissimilar	B looks older than A

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Image Set Q11: Table 4.11(o) - Facial Lines

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Vertical glabellar, Mentolabial sulcus, Nasolabial crease, Marionette lines, Wrinkles on neck. Not comparable: Frontal lines, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Superior palpebral crease, Inferior palpebral crease, Infraorbital crease, Circumoral striae, Cleft chin, Buccal creases, Other creases.
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q11 Facial Lines

Total Participants: 61

Response	Percent Reported
Similar	51 (83.6%)
Dissimilar	4 (6.6%)
Inconclusive	2 (3.3%)
Unable to Compare	3 (4.9%)
Not Applicable	1 (1.6%)

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Image Set Q11: Table 4.11(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Unable To Compare	
3LFL7K	Not Applicable	
3M7MAM	Unable To Compare	The unknown person displays a suspected scar on the forehead, while the known person's frontal region exhibits suboptimal clarity.
4T9DRJ	Inconclusive	if there are any they are not clear enough to use on known.
6JZ4ZJ	Not Applicable	none
7B6GQY	Unable To Compare	
7PHQBF	Not Applicable	
89T2WX	Inconclusive	The known sample is too blurry
8FP3RH	Inconclusive	
8ZX32H	Inconclusive	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	Similar	appears to be faint line mark/scar on toward top of forehead, upper point of mark/scar toward the upper left direction of forehead with other end pointing toward lower right
9U4MPG	Inconclusive	Forehead scar in unknown not clearly visible in known – given no value due time diff and low quality in known.
AKVB9D	Unable To Compare	low quality known image limits observations
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Unable To Compare	Image quality in the Known limits scars visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	possible scar visible on unknown cheek which does not appear in known
DA6QFC	Unable To Compare	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same scar on forehead
FBEYWM	Unable To Compare	
FZRJT8	Not Applicable	None visible

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Image Set Q11: Table 4.11(p) - Scars

WebCode	Observation	Feature Notes
H2WQ96	Similar	Unknown has a scar on forehead that may also be on the known. There is some discoloration in the same area of the known. There is also what seems like a difference in pigmentation above the left eyebrow in both.
HFB7XM	Similar	1 scar on the left side of the forehead.
HRQ6L4	Similar	small scar on forehead of unk image is slightly visible in known image due to blurriness of image.
HUCPQ8	Similar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Unable To Compare	Unable to compare due to poor quality known
KHWG47	Inconclusive	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Similar	Scar (shape, size and location)
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Not Applicable	none
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Appears similar scar on upper left side of forehead in shape and location. Scars present on left under eye of U, not visible in k.
PRMQFV	Dissimilar	Appears to be a scar towards the upper part of the unknowns forehead, not found on the known. Appears to be a scar between the unknowns eyebrows, similar discoloration in the area on the known but not as prominent.
PVM3BV	Similar	mentioned in the forehead section above
PWHKDW	Similar	appears to be a scar on the forehead of unknown that is in the same spot as known, however image quality is poor
PWYRHE	Unable To Compare	no evidence
PX9LGZ	Not Applicable	
PY46H2	Unable To Compare	known blur- limited visibility
Q49MUY	Dissimilar	
QTWDAF	Not Applicable	Possible scar in the glabellar region however the quality is too poor to be compared more thoroughly.
QYFHZU	Similar	Possible scar/line between the eyes is both images

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Image Set Q11: Table 4.11(p) - Scars

WebCode	Observation	Feature Notes
R273NE	Similar	None of note other than what has been Discussed above
TBLBPC	Unable To Compare	out of focus
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	Not Applicable	
XPRZMN	Similar	Unknown has several scars, especially on the upper left side of the forehead, along the left side of the cheek, and several small ones on the neck. Scars are not visible in Known due to image quality.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	No scars
XYERF8	[Not Reported]	Nil observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q11 Scars

Total Participants: 62

Response	Percent Reported
Similar	15 (24.2%)
Dissimilar	3 (4.8%)
Inconclusive	7 (11.3%)
Unable to Compare	17 (27.4%)
Not Applicable	20 (32.3%)

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Image Set Q11: Table 4.11(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown has many facial marks present all over the face and on different features that unable to fully compare to the known due to image quality issues
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Facial marks are not readily visible on known subject due to photo blur.
3M7MAM	Unable To Compare	The unknown person exhibits multiple facial pigmentation abnormalities, while the known person's facial features appear obscured.
4T9DRJ	Inconclusive	if there are any they are not clear enough to use on known
6JZ4ZJ	Dissimilar	Different Pic A- has clean, mark-free appearance B- freckles skin
7B6GQY	Not Applicable	
7PHQBF	Inconclusive	Facial marks are visible on the face of the probe; they could be visible on the candidate but it's difficult to see due to the quality of the candidate image.
89T2WX	Inconclusive	The known sample is too blurry
8FP3RH	Inconclusive	
8ZX32H	Not Applicable	
93ZDEX	Similar	Noted above.
9GLTHW	Similar	previously discussed
9KFMFY	[Not Reported]	unable to compare smaller/lighter potential facial marks due to quality of Known(1); facial marks present around eyes of Unknown(2) not visible for Known(1) which could be from quality/obscured by glasses/age difference
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	low quality known image limits observations
B2Z6FC	Unable To Compare	Unable to compare due to blurriness of known. Unknown has freckles and textured skin
BZH38T	Inconclusive	A conclusion cannot be made due to one of the individuals's image low quality.
CKPXLT	Unable To Compare	Image quality in the Known limits skin detail/marks visibility and assessment.
CUYZ8T	Unable To Compare	
D2QZYQ	Dissimilar	many more marks visible in unknown which do not appear in known
DA6QFC	Unable To Compare	
EGJRJR	Similar	As previously mentioned.
EGYH2B	Unable To Compare	
ELRHHR	Similar	same pattern
FBEYWM	Unable To Compare	

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Image Set Q11: Table 4.11(q) - Facial Marks

WebCode	Observation	Feature Notes
FZRJT8	Unable To Compare	Due to the poor image quality it is difficult to compare the facial marks between the two images
H2WQ96	Unable To Compare	Known image is too blurry to compare facial marks.
HFB7XM	Dissimilar	Unknown appears to have more visible facial marks, but the difference in the image quality could explain this difference.
HRQ6L4	Unable To Compare	no facial marks observed in known image, possibly due to image quality.
HUCPQ8	Unable To Compare	
HYQFYM	Similar	Many noted on cheeks, nose and chin of Unknown. Details not discernable due to image quality of Known image.
JL2M67	Not Applicable	
K3KWNM	[Not Reported]	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Unable To Compare	Unable to compare due to poor quality known
KHWG47	Unable To Compare	
L7ZVC2	Similar	Facial marks are present and visible in both known and unk but complete comparison is not available due to poor quality of known photo. Sim
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown has marks all throughout that face that are not visible in the known due to quality
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	Low-resolution known
PD3BCW	Similar	small clusters of tiny, raised lesions on the upper left and right cheeks, similar in hue and form, and a discolored/darker area on the upper left lateral ridge of the nose, adjacent the left inner canthus, that are consistent between known and unknown images.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Facial marks present in U, not visible in K, may be due to quality.
PRMQFV	Dissimilar	Facial marks under the eyes, not found on the known. Facial marks found on the left and right cheeks of the unknown, not found on the known.
PVM3BV	Similar	facial marks can be seen throughout the face of the unknown but due to poor image quality, the known is harder to distinguish facial marks
PWHKDW	Inconclusive	two creases between eyes that appear in both known and unknown
PWYRHE	Similar	epigenetic stains due to the aging process
PX9LGZ	Unable To Compare	Not able to compare due to the blurriness of the known image.
PY46H2	Unable To Compare	known blur- limited visibility
Q49MUY	Not Applicable	
QTWDAF	Unable To Compare	Due to quality facial marks are not able to be compared.

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Image Set Q11: Table 4.11(q) - Facial Marks

WebCode	Observation	Feature Notes
QYFHZU	Not Applicable	
R273NE	Inconclusive	Unknown has various marks on forehead and cheeks not visible on known due to blurriness of image
TBLBPC	Unable To Compare	out of focus
U6E77R	Unable To Compare	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Unable To Compare	
V7PBGV	Not Applicable	
XPRZMN	Similar	Unknown has several facial marks that are not visible in the Known due to image quality
XQMJNP	Dissimilar	Unknown has facial marks and texture on her faces. No facial marks noted on known. The difference could be due to age difference and/or quality of known image.
XTNLEQ	Dissimilar	Mole on B's left cheek
XYERF8	[Not Reported]	Unable to compare due to the quality of R1
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q11 Facial Marks — Total Participants: 60

Response	Percent Reported
Similar	10 (16.7%)
Dissimilar	7 (11.7%)
Inconclusive	9 (15.0%)
Unable to Compare	27 (45.0%)
Not Applicable	7 (11.7%)

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Image Set Q11: Table 4.11(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known is wearing glasses
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Inconclusive	Earring shapes are similar, but there is discrepancy in eyewear presence.
4T9DRJ	Similar	peirced ears (almost looks like same set of earrings.)
6JZ4ZJ	Not Applicable	none
7B6GQY	[No observations reported for this feature.]	
7PHQBF	Not Applicable	
89T2WX	Unable To Compare	
8FP3RH	Not Applicable	
8ZX32H	[No observations reported for this feature.]	
93ZDEX	Not Applicable	
9GLTHW	Similar	both have their ears pierced, and the known is wearing glasses and has hair pulled up
9KFMFY	[Not Reported]	Known(1) is wearing glasses; both Known(1)/Unknown(2) are wearing gold hoop earrings
9U4MPG	Similar	Existence of earrings
AKVB9D	Inconclusive	both have pierced ears, Known is wearing glasses
B2Z6FC	Similar	Both have pierced ears
BZH38T	Similar	The earring is similar.
CKPXLT	Dissimilar	Dissimilar glasses visibility in the Known versus the Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Inconclusive	hairstyle, glasses, earrings
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	different illumination and occlusion
FBEYWM	Similar	
FZRJT8	[Not Reported]	None visible
H2WQ96	Similar	Both have pierced ear lobes, wearing similar hoop earrings.
HFB7XM	Not Applicable	

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Image Set Q11: Table 4.11(r) - Alterations

WebCode	Observation	Feature Notes
HRQ6L4	Similar	earrings in both images and same size and type; Known image subject wearing eyeglasses.
HUCPQ8	Similar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	not sure if the known has makeup on due to quality of image, known has glasses, both have earrings
LQZ4DH	Not Applicable	
P6CLXG	Similar	Pierced ears
PD3BCW	Similar	known image has framed, clear, corrective lenses across the eyes. Both are wearing earrings
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Piercings mentioned, no makeup or tattoos visible in either.
PRMQFV	Not Applicable	Known is wearing glasses.
PVM3BV	Not Applicable	both subjects are wearing earrings of a similar style - known has corrective lenses on
PWHKDW	Not Applicable	
PWYRHE	Similar	Naseogenial folds.
PX9LGZ	Similar	Ears on both images are pierced. Glasses are worn on the known image.
PY46H2	Not Applicable	known blur- limited visibility
Q49MUY	Not Applicable	
QTWDAF	Similar	earrings on both
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note
TBLBPC	Similar	similar earrings
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	

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Image Set Q11: Table 4.11(r) - Alterations

WebCode	Observation	Feature Notes
UZ6NFC	Unable To Compare	
V7PBGV	Not Applicable	
XPRZMN	[Not Reported]	Different hair styles, Known is wearing glasses
XQMJNP	Inconclusive	Both subjects have their ears pierced and are wearing gold hoop earrings. Known is wearing glasses.
XTNLEQ	Not Applicable	No piercings or tattoos
XYERF8	[Not Reported]	Piercing - R1 and Q1 appear to have lobe piercings. Makeup, Tattoo, Other
XYJ9D7	Similar	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q11 Alterations — Total Participants: 55

Response	Percent Reported
Similar	16 (29.1%)
Dissimilar	5 (9.1%)
Inconclusive	5 (9.1%)
Unable to Compare	4 (7.3%)
Not Applicable	25 (45.5%)

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Image Set Q11: Table 4.11(s) - Other Features

WebCode	Feature	Observation	Feature Notes
CKPXLT	Limitations	Dissimilar	Image quality, occlusion, expression, perspective distortion and styling.
H2WQ96	Image quality	Dissimilar	Known's image quality is blurry compared to the unknown.
LADNAL	Quality	Dissimilar	known quality is fuzzy and lighting is darker, unknown is good quality with brighter lighting
PWYRHE	imagen superposition	Similar	Compatible cephalometric planes.

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Detailed Feature Observations

TABLE 4 - Image Set Q12

Image Set Q12: Table 4.12(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	relatively similar skin tone with the unknown having slightly more luminance (could be due to makeup); unknown's skin texture appears slightly more rough than the known's
34T74N	Similar	
3LFL7K	Dissimilar	The skin of the known subject is light in color with a smooth complexion and minimal marks. The unknown subject's skin is a bit darker complected, more textured and hasmore noticeable marks, especially on the right cheek.
3M7MAM	Dissimilar	Differences in skin tone and texture.
4T9DRJ	Dissimilar	freckles and pore size on known is much finer detial than unknown.
6JZ4ZJ	Similar	Similarity in skin texture and tone
7B6GQY	Similar	
7PHQBF	Similar	Skin tones appear to be similar between the probe and candidate.
89T2WX	Dissimilar	Light skin tone with different texture
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The unknown’s skin is bumpier, not as smooth as the known image. The known’s skin tone is lighter in color than the unknown.
9GLTHW	Dissimilar	texture is dissimilar, as known’s is smooth, whereas unknown’s appears to be slightly weathered and possesses uneven texture around the mouth and on the chin; unknown also appears to have face makeup on, which enhances the textured appearance; fair complexion is relatively similar with red patches in the cheeks and along the nasal body; highlighting and shadowing on the contours of the face are dissimilar, indicating that the underlying musculature and bone structure is also dissimilar
9KFMFY	[Not Reported]	both have lighter skin tones
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known-light, clear complexion unknown medium complexion, acne
B2Z6FC	Dissimilar	Similar in color and luminance. Unknown has more texture skin.
BZH38T	Dissimilar	The skin tone is dissimilar because one of the individuals's skin is red.
CKPXLT	Inconclusive	Similar skin tone. Dissimilar skin texture.
CUYZ8T	Similar	
D2QZYQ	Dissimilar	dissimilar skin texturing, similar color
DA6QFC	Not Applicable	

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Image Set Q12: Table 4.12(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Skin – Subjects have fair pale skin with green undertones and appears flushed in cheek areas. Unknown skin that is evenly tanned with illumination around mouth and nose area. Unknown has a rash, textured, and/or dry skin on nose and around mouth area, while Known has mostly smooth skin with larger pores visible in cheeks. Unknown skin warmer hue concentrated near features this may be attributed to makeup worn by individual.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different texture, color, etc.
FBEYWM	Similar	
FZRJT8	Similar	The skin appears to be of similar tone
H2WQ96	Dissimilar	Tone is similar, but texture is different. Unknown has dryness on the lower half of the face while the known's skin appears smooth.
HFB7XM	Similar	
HRQ6L4	Similar	similar color and texture.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in complexion, tone and facial marks.
JL2M67	Similar	
K3KWNM	Inconclusive	Skin is similar in light color. Known has a yellow undertone. Unknown has a red undertone. Texture and luminance is not similar.
KEBXX2	Similar	
KHWG47	Not Applicable	
L7ZVC2	Similar	Very similar in tone and texture. Unk shows more blemishes but also has a higher quality photo. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone is lighter in the known, more texture throughout the unknown, unknown has redder tint in the tone
LQZ4DH	Not Applicable	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known's skin texture & tone is smooth and pale with even coloration. Unknown's skin texture and tone is slightly darker and warmer compared to the known image but could possibly be due to lighting. The skin texture of the known individual is smooth with less pore visibility than the unknown image. Known has a very even, light skin tone with a light pink undertone. Unknown's skin is more textured with visible pores. Unknown's skin has warm undertones.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Overall tonality and texture of skin appear dissimilar.
PRMQFV	Dissimilar	Tone of the skin is fair on both subjects. Unknowns skin is more reddish. The knowns skin is smoother.

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Image Set Q12: Table 4.12(a) - Skin

WebCode	Observation	Feature Notes
PVM3BV	Similar	skin tone appears to be similar in pale complexion - texture appears to be similar
PWHKDW	Similar	both fair skinned white females
PWYRHE	Dissimilar	One is whiter, and the other is paler.
PX9LGZ	Dissimilar	The texture is different.
PY46H2	Dissimilar	Known- lighter tonality (lighting? Makeup?)
Q49MUY	Similar	
QTWDAF	Dissimilar	The subjects both present with a similar white skin tone with variations in hue which could be due to lighting, quality, or exposure. The skin texture appears to be smoother on the known.
QYFHZU	Similar	Color and tone are consistent
R273NE	Dissimilar	Tone and luminance is different between known and unknown. Known has smoother skin in texture. Unknown's skin appears splotchy.
TBLBPC	Similar	
U6E77R	Similar	similar texture and tone
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Unknown and Known have light skin. Unknown has pink undertones. Known's skin appears a bit more yellow, but this could be caused by the lighting; mild rosacea present. Known's skin texture is smoother than the Unknown.
XQMJNP	Similar	Both subjects have pale light skin with red coloring on the cheeks. Unknown also has red coloring on her nose and neck.
XTNLEQ	Dissimilar	Image A is pale and Image B is white
XYERF8	[Not Reported]	Similarities include: Overall skin appearance: tone Dissimilarities include: Overall skin appearance: texture
XYJ9D7	Dissimilar	
YGARYR	Similar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q12 Skin

Total Participants: 61

Response	Percent Reported
Similar	25 (41.0%)
Dissimilar	30 (49.2%)
Inconclusive	3 (4.9%)
Unable to Compare	0 (0.0%)
Not Applicable	3 (4.9%)

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Image Set Q12: Table 4.12(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's facial shape appears slightly more narrow, especially towards the bottom of the face; the unknown's cranial vault shape appears slightly more pointed than the knowns'
34T74N	Similar	
3LFL7K	Similar	The known and unknown subjects' have a similar head shape and outline.
3M7MAM	Dissimilar	Facial shape variance.
4T9DRJ	Inconclusive	
6JZ4ZJ	Similar	Shape of cranial vault and Overall shape of face
7B6GQY	Similar	
7PHQBF	Dissimilar	The candidate looks to have a slimmer face outline compared to the probe's more rounded face outline.
89T2WX	Dissimilar	The shape is different
8FP3RH	Similar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in location of the eyes in relation to the bridge of the nose. The bridge of the known's nose is thinner and more straight while the unknowns appears curved slightly to the right. The nostrils of the known's are more upturned, and the shape is not consistent with that of the unknown. The nostrils of the unknown are wider and more pronounced than that of the known image.
9GLTHW	Similar	oval-like shape is similar, however known's is narrower and more elongated, whereas unknown's possesses more linear borders; cranial vault shape can't be compared due to hair coverage
9KFMFY	Dissimilar	Unknown(2) appear to have slightly more rounded shape to lower face/head outline
9U4MPG	Dissimilar	
AKVB9D	Similar	
B2Z6FC	Dissimilar	Known has a more oval face while the unknown's is more rounded
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar face shape.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Face/Head Outline – Known has an elongated oval shaped-head in contrast Unknows head is more heart shaped.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric shape around forehead, chin, cheeks, jawline

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Image Set Q12: Table 4.12(b) - Face/Head Outline

WebCode	Observation	Feature Notes
FBEYWM	Similar	
FZRJT8	Similar	The face/head outline appears similar
H2WQ96	Dissimilar	Unknown's face shape is more round while the known's is more oval.
HFB7XM	Dissimilar	Slightly differing outline.
HRQ6L4	Similar	overall shape and contour similar; slight difference at bottom of chin(angle) and right lateral portion of jaw.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Similar oval shape. Dissimilar facial outline and jawline.
JL2M67	Similar	
K3KWNM	Dissimilar	Face/Head outline is not similar in shape. Known is more oval and Unknown appears rounder.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Known has a more elongated oval shape overall.Unk has a wider, rounder face. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known is narrower and longer, unknown is wider and more round
LQZ4DH	Dissimilar	Shape of craneal vault, overall shape of face
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Known image has a rounded cranial vault, with smooth curvature over the parietal bones. The curvature of unknown's cranial vault appears more compact than known individual.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Shape of cranial vault appears dissimilar; overall shape of face appears somewhat similar.
PRMQFV	Dissimilar	The unknowns head is wider and more rounder.
PVM3BV	Similar	general outline of the face appears to be similar between subjects
PWHKDW	Dissimilar	known's head is longer and thinner/unk is wider
PWYRHE	Dissimilar	The dolichocephalus and the mesocephalus
PX9LGZ	Dissimilar	The head shape on the unknown image is rounder than on the known image.
PY46H2	Dissimilar	known- longer, thinner
Q49MUY	Similar	
QTWDAF	Dissimilar	The face/head outline appears to be longer and thinner on the known while it is shorter and wider on the unknown.

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Image Set Q12: Table 4.12(b) - Face/Head Outline

WebCode	Observation	Feature Notes
QYFHZU	Dissimilar	The head and face outline look slightly larger and more round/fuller in the unknown. The cranial vault appears more pointed in the unknown and rounder in the known.
R273NE	Dissimilar	Unknown has a smaller circular head, whereas known has a more ovalular shaped head.
TBLBPC	Similar	
U6E77R	Similar	similar head shape - oval
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Dissimilar. Unknown has a heart-shaped face with a more tapered cranial vault. Known's face is more oval .
XQMJNP	Dissimilar	Known has a long skinny face. Unknown has a short round/square face.
XTNLEQ	Dissimilar	Image A oval and Image B circle
XYERF8	[Not Reported]	Similarities include: Overall shape of the face Not comparable: (due to obstructions in one or both images) Shape of the cranial vault
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Inconclusive	

Features Observations Response Summary - Q12 Face/Head Outline

Total Participants: 62

Response	Percent Reported
Similar	21 (33.9%)
Dissimilar	37 (59.7%)
Inconclusive	4 (6.5%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q12: Table 4.12(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	both individuals have similar facial symmetry; the unknown's size and proportion of the facial features appears more consistent than the known's
34T74N	Similar	
3LFL7K	Dissimilar	The spacing between the eyes of both subject appears similar, but the distance from the eyes to the tip of the nose and the mouth appears greater on the known subject than the unknown.
3M7MAM	Dissimilar	Differences in facial feature ratios.
4T9DRJ	Inconclusive	
6JZ4ZJ	Dissimilar	inter-feature distances, nose/mouth/eye alignment, and vertical facial segment proportions
7B6GQY	Similar	
7PHQBF	Dissimilar	The intercanthal distance of the eyes appears to be dissimilar between the probe and candidate. The distance from the nasal base to the upper lip appears to be similar between the probe and candidate. The distance from the lower lip to the chin appears to be dissimilar.
89T2WX	Dissimilar	The proportions are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in location of the eyes in relation to the nose and the bridge of the nose on the unknown is curved towards the right. The bridge of the known's nose is thinner and more straight. The nostrils of the known's are more upturned, and the shape is not consistent with that of the unknown. The nostrils of the unknown are wider and more pronounced than that of the known image.
9GLTHW	Dissimilar	alignment and size of the visible facial features are similar with respect to each other and their location on the face, however known's features are configured/spread-out throughout the middle and lower proportions whereas unknown's are centralized and more uniformly configured
9KFMFY	[Not Reported]	attachment of right ala approx. distance from right medial canthus appears slightly lower/further down face for Known(1) than Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Similar	
B2Z6FC	Similar	Facial features are in the same relative position in both.
BZH38T	Dissimilar	The shape of head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to eyes and lower lip to chin relative distance.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	

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Image Set Q12: Table 4.12(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Face/Head Composition – Although morphological features are concentrated in the lower 2/3rd of face in both subjects, Known's features are closer it to subject's midline than seen in Unknown.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in how they are positioned and framed
FBEYWM	Inconclusive	
FZRJT8	Similar	The face/head composition appears similar
H2WQ96	Similar	Proportions/position of features is similar.
HFB7XM	Dissimilar	Distance eyes to nosebase is slightly longer on probe.
HRQ6L4	Dissimilar	ears in unk image obscured by hair; eyes spaced slightly wider in unk image; dissimilar chin to lower lip distance; similar nose to upper lip distance.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar intercanthal and interpupillary distances. Dissimilar overall shape of nose. Similar mouth fissure. Dissimilar shape of chin
JL2M67	Similar	
K3KWNM	Dissimilar	Features on the face are not placed in a similar fashion. The distance between the base of the nose and eyes is greater in the Known than Unknown. Mouth is placed in a similar position between nose and chin.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Similar	Features centered and very symmetrical on both known and unk. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	distance from eyes to mouth appears to be closer in the unknown, distance from mouth to chin is shorter in the known, distance from nose to mouth appears to be similar
LQZ4DH	Dissimilar	Proportions/position of features on face
P6CLXG	Similar	
PD3BCW	Dissimilar	Both known and unknown's facial composition is generally proportionate. Known image has more of an oblong/rectangular facial shape while unknown individual facial shape is more oval.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes, nose, and mouth relative to face length appear dissimilar.
PRMQFV	Dissimilar	Nose to mouth distance appears to be similar. The distance between the knowns eyes is closer than the unknowns.
PVM3BV	Dissimilar	relative composition of the facial features appear to differ relative to the overall size of the face
PWHKDW	Dissimilar	unk's face is fuller

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Image Set Q12: Table 4.12(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PWYRHE	Dissimilar	The long, narrow face and the medium, wide face.
PX9LGZ	Dissimilar	Relative distances between facial features seem different.
PY46H2	Dissimilar	
Q49MUY	Similar	
QTWDAF	Dissimilar	The features of the face appear to be longer and asymmetric on the known.
QYFHZU	Dissimilar	The distance from the nose to the upper lip looks slightly longer in the known. The distance from the chin to the lower lip looks longer in the unknown.
R273NE	Dissimilar	Features are in different positions relative to the other features in known and unknown.
TBLBPC	Similar	
U6E77R	Dissimilar	mouth to chin distance is farther in unk subject
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Dissimilar feature spacing. Known's features are spread out vertically. Known's approximate width of nose relative to the eyes is more narrow. Unknown is smiling, somewhat similar approximate width of mouth relative to eyes. Somewhat similar distance from nose to upper lip. The approximate distance from chin to lower lip relative to face length is shorter in the Known. Unknown's eyes appear wider relative to the width of the face.
XQMJNP	Similar	Facial features are spaced evenly on both subjects.
XTNLEQ	Inconclusive	Un clear
XYERF8	[Not Reported]	Dissimilarities include: (some may be due to differences in pose in Q & R) Approximate width of nose relative to eye distances, Approximate width of mouth relative to eye distances, Approximate width of nose relative to mouth, Approximate distance from nose to upper lip relative to face length, Approximate distance from chin to lower lip relative to face length Not comparable: (due to obstructions in one or both images) Ear position relative to eyes, nose, and mouth, Eye position relative to face length
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	15 (24.6%)	
Dissimilar	42 (68.9%)	
Inconclusive	4 (6.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q12: Table 4.12(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown's hair appears more darker brown in color compared to the known; similar hair texture; different hair style with the unknown having hair down and known having hair up; unable to compare forehead and temporal hairline shapes due to hair covering
34T74N	Inconclusive	
3LFL7K	Similar	Both subjects have similar hair in color, style and length.
3M7MAM	Dissimilar	Hairstyle inconsistency.
4T9DRJ	Dissimilar	different color hair, different texture.
6JZ4ZJ	Dissimilar	Different hair texture
7B6GQY	Similar	
7PHQBF	Dissimilar	Hair color between the probe and candidate appears to be similar. Hairline Is difficult to see due to the hair covering the hairline.
89T2WX	Dissimilar	The color is similar, but the hair texture is different
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Similar in color but the texture of the known image appears finer and less full than that of the unknown image.
9GLTHW	Dissimilar	medium brown hair color is somewhat similar, however known's possesses a more ashy tone whereas unknown's possesses lighter brown highlights, but this could be due grooming/styling differences; length can't be compared due to known having hair pulled up; thickness is difficult to compare due to differences in styles worn, however unknown's appears to be thicker; unknown's also appears to be silkier/smoother than known's; hairline can't be compared due to being covered by the manner in which both have their hair styled
9KFMFY	[Not Reported]	Known(1) has hair pulled back and does not have bangs while Unknown(2) has hair down/loose and has bangs across forehead; unable to compare hairlines due to presence of bangs of Unknown(2)
9U4MPG	Inconclusive	
AKVB9D	Dissimilar	known lighter brown pulled back hairstyle, unknown- darker brown long hair/bangs hairstyle
B2Z6FC	Similar	Similar texture and color
BZH38T	Dissimilar	The hair texture and color are dissimilar.
CKPXLT	Inconclusive	Similar hair tone. Dissimilar hair style.
CUYZ8T	Similar	
D2QZYQ	Similar	similar coloring, different hair style/part, bangs in unknown but not known
DA6QFC	Unable To Compare	

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Image Set Q12: Table 4.12(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Inconclusive	Hair – Individuals have similar hair texture and color but inconsistent density and style. Known hair is up but brown hair appears wavey with a natural part in line with subject's left medial eyebrow. Unknown has soft waves that what are down revealing the length past shoulders and frizzy nature of brown colored hair. Unknown has bangs that extend past her lateral eyebrows, while known appears to have layers that frame face based lose strands.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different hair color, texture and growth pattern
FBEYWM	Dissimilar	
FZRJT8	Similar	The hair texture and color appears similar. The known's hair is tied up behind her head, and the unknown's hair is down.
H2WQ96	Dissimilar	Unknown's hair appears thicker and is brown whereas the known's hair is finer and blonde. Hair color on both appears natural (eyebrows match).
HFB7XM	Similar	
HRQ6L4	Dissimilar	similar color and texture; length slightly different, possibly due to known image hair being up; slight difference in style.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Dissimilar in color and texture.
JL2M67	Similar	
K3KWNM	Similar	Hair is brown in color. Unknown is darker. Hairstyles are different. Unknown has bangs. Known has hair pinned behind the head.
KEBXX2	Similar	Different hairstyles but similar texture
KHWG47	Inconclusive	
L7ZVC2	Similar	Similar coloring and texture. Unk has shoulder length hais while known has hair up with ears visible. (sim)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	hair is pulled back in the known with some hanging down around face, unknown hair is down with bangs, color is darker in the unknown, texture appears to be smoother in the known, hairline cannot be compared due to hairstyle of the unknown
LQZ4DH	Not Applicable	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The hairline of the known image has a natural part in the center; gradual tapering on either side without abrupt recession. Unknown's hairline is mostly obscured by bangs but shows a more angular shape with less curvature. The texture of known's hair is straight, medium brown hair with low shine and lies flat against the scalp. The texture of unknown's hair looks thicker with a darker brown tone and has more volume.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Haie appears smoother in U, dissimilar in style/color/length, may be due to intentional alterations.

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Image Set Q12: Table 4.12(d) - Hair

WebCode	Observation	Feature Notes
PRMQFV	Inconclusive	Tone of the unknowns hair appears to be darker. Texture of the hair appears to be similar. The knowns hair is pulled back. Unknown has bangs.
PVM3BV	Similar	hair appears to be similar in color and texture - style of the hair differs
PWHKDW	Dissimilar	unk has brown hair wish a center part, known's is a lighter brown, part is off center and appears more fine than unknown's
PWYRHE	Similar	same color
PX9LGZ	Inconclusive	Hairline is not comparable, but colour and texture are rather similar.
PY46H2	Inconclusive	style different, hairline not visible. Tonality similar.
Q49MUY	Similar	
QTWDAF	Dissimilar	The hairline is not able to be compared due to hairstyle. The hair color appears to be darker on the unknown than the known.
QYFHZU	Inconclusive	The hair is darker in the unknown. Unable to compare the hairline as it is not visible in either image.
R273NE	Dissimilar	Both have somewhat similar hair tones, but known's is more shiny. Known has hair parted near middle and unknown has bangs with hair down. Texture between the two appear to be somewhat similar though unknown's hair is more wavy down.
TBLBPC	Similar	
U6E77R	Similar	similar hair color, texture, thinness
U778AU	Dissimilar	
UZ6NFC	Inconclusive	
V7PBGV	Similar	
XPRZMN	Dissimilar	Different hairstyles. Unknown has light brown hair, Known has dark blonde hair. Unknown’s hair appears thicker and there is no visible hairline due to bangs.
XQMJNP	Similar	Both subjects have light brown hair with some wave to it. Known has her hair pulled back with some longer strands down around the ears and has no bangs. Unknown has her hair down, it is long (past shoulder length), and has bangs.
XTNLEQ	Similar	Both are same hair color and soft
XYERF8	[Not Reported]	Similarities include: Hair: texture, tonality Dissimilarities include: (may be due to differences in styling in Q & R) Hair: shape/spatial distribution, symmetry, density Not comparable: (due to obstructions in one or both images) Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape, Cranial baldness pattern: shape, distribution
XYJ9D7	Inconclusive	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Hair		Total Participants: 62
Response	Percent Reported	
Similar	21 (33.9%)	
Dissimilar	23 (37.1%)	
Inconclusive	16 (25.8%)	
Unable to Compare	1 (1.6%)	
Not Applicable	1 (1.6%)	

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Image Set Q12: Table 4.12(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	unable to fully compare due to hair covering; brow ridge prominence appears that it could be similar, but difficult to fully compare due to hair covering
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Not visible on unknown subject.
3M7MAM	Unable To Compare	The unknown person's forehead is substantially obscured by hair.
4T9DRJ	Unable To Compare	
6JZ4ZJ	Unable To Compare	forehead shape are not clear due to bangs in picture B
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot be compared due to the hair covering the forehead of the probe.
89T2WX	Unable To Compare	Obscured by bangs
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Unable To Compare	Not able to compare due to the unknown’s bangs covering the forehead.
9GLTHW	Unable To Compare	unknown’s is covered by the bangs
9KFMFY	Unable To Compare	unable to compare much detail of the forehead due to being covered by bangs of Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	hairstyle of unknown limits full comparison.
B2Z6FC	Unable To Compare	Unknown's forehead is covered by hair so cannot compare
BZH38T	Unable To Compare	The forehead cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Occluded and not visible in the Unknown.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	unable to compare forehead features due to bangs in unknown
DA6QFC	Unable To Compare	
EGJRJR	Dissimilar	Forehead – Due to bangs covering forehead of Unknown this feature is obscured hindering view, preventing analysis for comparison.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	for the unknown profile, it is covered with hair
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The unknown's forehead is obscured by hair
H2WQ96	Unable To Compare	Unknown's forehead is covered by bangs.

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Image Set Q12: Table 4.12(e) - Forehead

WebCode	Observation	Feature Notes
HFB7XM	Unable To Compare	
HRQ6L4	Inconclusive	unk image forehead mostly obscured by hair; visible portion above nasal root similar in prominence.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Unknown mostly obscured by hair.
JL2M67	Inconclusive	
K3KWNM	Unable To Compare	UNABLE TO COMPARE DUE TO HAIRSTYLE
KEBXX2	Unable To Compare	Obscured by bangs
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Forehead is obscured in unk therefoe complete comparison is not possible. (inc)
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	can’t compare due to hair/bangs of the unknown
LQZ4DH	Inconclusive	
P6CLXG	Unable To Compare	
PD3BCW	Dissimilar	The shape of known's forehead is broad and slightly sloped backward which is medium in height, not overly prominent. Known's forehead appears slightly wider from temple to temple, suggesting a broader skull. The forehead of unknown appears narrower and more vertically oriented. The height of unknown's forehead appears slightly lower but could be due to the presence of bangs.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Forehead not visible in U for comparison; brow ridges appear more prominent in U.
PRMQFV	Unable To Compare	Unable to compare, covered on the unknown.
PVM3BV	Unable To Compare	forehead of the unknown is not visible for comparison
PWHKDW	Unable To Compare	Forehead not visible in unk
PWYRHE	Dissimilar	The high and low forehead.
PX9LGZ	Inconclusive	Forehead shape and size are not comparable. Brow ridges are slightly asymmetrical on the known image (right is more upwards than the left).
PY46H2	Unable To Compare	covered by hair on unknown
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The forehead is likely less wide on the unknown however the hair is covering the majority of the forehead and therefore cannot be compared more thoroughly.
QYFHZU	Unable To Compare	Unable to compare. The forehead is not visible in the unknown image.

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Image Set Q12: Table 4.12(e) - Forehead

WebCode	Observation	Feature Notes
R273NE	Inconclusive	Unable to see much of unknown's forehead due to bangs. What is visible appears contouyred different than that area on known's forehead.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	bangs covering Unknown subjects forehead
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	Unable To Compare	obscured on Q
XPRZMN	Unable To Compare	Unknown's forehead is covered by hair. No prominent brow ridge.
XQMJNP	Inconclusive	Known has a short forehead; nothing of significance noted. Unknown forehead is covered by bangs, but appears to be short in size; nothing of significance noted.
XTNLEQ	Unable To Compare	Forehead contour not clear
XYERF8	[Not Reported]	Not comparable: (due to obstructions in one or both images) Forehead shape: relative height, relative width, slope/contour, Brow ridges: prominence, continuity
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q12 Forehead	Total Participants: 63
Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	5 (7.9%)
Inconclusive	11 (17.5%)
Unable to Compare	46 (73.0%)
Not Applicable	1 (1.6%)

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Image Set Q12: Table 4.12(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	known's eyebrows appear lighter in color; similar medial distance between eyebrows; unable to fully compare shape and growth density due to hair covering in unknown, but known's appear to point slightly more down towards the medial end compared to the unknown
34T74N	Dissimilar	Partially UC.
3LFL7K	Dissimilar	The known subject's eyebrows are light in color and the hair appears to be very thin. Her eyebrows extent from about the point of the medial canthus of the eyes to beyond the lateral canthus. The unknown subject's eyebrows are darker in color with what appears to be thicker hair and also extending from the medial canthus.
3M7MAM	Dissimilar	Discrepancy in visible eyebrow shapes.
4T9DRJ	Inconclusive	known eyebrows must be very fine hair, while they seem different they are cut off by hair on unknown.
6JZ4ZJ	Unable To Compare	Un clear in picture B as eyebrows are covered by hair
7B6GQY	Similar	
7PHQBF	Dissimilar	The eyebrows appear to be dissimilar in color, the growth pattern as well as the thickness of the eyebrows.
89T2WX	Dissimilar	The shape and color are different
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	The knowns brows are thinner/less hair and lighter in color. Both images appear to have round shaped brows. The Unknown's brows are wider/bushier and darker in color. The distance from brow to upper lid is greater in the known images.
9GLTHW	Dissimilar	lateral ends of unknown's are covered by the bangs and therefore can't be compared, however rounded shape and thickness appear to be similar; color is dissimilar, as known's are light brown, whereas unknown's are darker and appear to be thicker/denser; approx. distance between the medial ends and above the eyes is similar, however alignment is dissimilar, as known's right is positioned slightly higher than the left, whereas unknown's are level
9KFMFY	Dissimilar	Known(1) has lighter color to eyebrows than Unknown(2); what is visible of curve of eyebrows from right medial end of Known(1) appears to curve slightly higher/rounder while Unknown(2) appears to have a flatter visible curve; unable to compare lateral ends of eyebrows due to being covered by bangs of Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Inconclusive	low quality known image and unknown hairstyle limit observationright eyebrows start above medial canthus left starts above/between medial canthus and pupil
B2Z6FC	Dissimilar	Known has very light eyebrows that are barely visible. Unknown has darker eyebrows that are thicker on the medial side.
BZH38T	Unable To Compare	The eyebrows cannot be compared due to the hair covering it.
CKPXLT	Similar	Similar eyebrow shape, placement and end points.
CUYZ8T	Dissimilar	

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Image Set Q12: Table 4.12(f) - Eyebrows

WebCode	Observation	Feature Notes
D2QZYQ	Dissimilar	hair pattern dissimilar- can see hair length in unknown but appears shorter in known, shape dissimilar
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Eyebrows – while the distance between eyebrows are consistent in subjects this appears to be the only similarity. Known superior palpebral crease sit closer to subjects eyebrows. Unknow has denser eyebrows which appear darker overall. Due to bangs covering arch and lateral region of Unknowns eyebrow no further analysis could be done on this feature for comparison.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The known's eyebrows are lighter than the unknown's
H2WQ96	Dissimilar	Thickness appears similar and cannot compare shape due to bangs partially covering unknown's. Color is very different, brown vs. blonde.
HFB7XM	Inconclusive	
HRQ6L4	Dissimilar	dissimilar in color and thickness; lateral portions of unk image not visible due to head hair;
HUCPQ8	Inconclusive	
HYQFYM	Dissimilar	Appear dissimilar. Unknown mostly obscured by hair.
JL2M67	Similar	
K3KWNM	Unable To Compare	Eyebrows are similar in thickness. Not similar in color. Distance is also not similar. Distance appears greater in the Known than the Unknown.
KEBXX2	Similar	Mostly obscured by bangs but seem to start in same place
KHWG47	Similar	
L7ZVC2	Dissimilar	Eye brows are thicker and darker in unk than in known. Eyebrows in unk and in known begin at nasal root and appear to go past corners of eyes. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is darker in the unknown, distance is similar, distance to eyes appears to be similar, mark near the right eyebrow in the center that is not visible in the unknown
LQZ4DH	Inconclusive	
P6CLXG	Dissimilar	

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Image Set Q12: Table 4.12(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The eyebrow's of the known image have a subtle arch, are thicker at the medial end and taper laterally toward the tail. Known's eyebrow's appear light in density with soft, evenly spaced hairs. Known's eyebrows appear to be positioned slightly closer to the eye than unknown individual. Unknown's eyebrows appear to be higher arched, medially with a more defined peak. Unknown's eyebrows are more dense and darker than known individual. The position of unknown's eyebrows appear higher on the brow ridge in relationship to the iris.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyebrows appear darker in color in U, dissimilar hair details on beginning of eyebrow on left; wider apart in K, may be due to intentional alterations.
PRMQFV	Similar	Unknowns eyebrows are darker. The unknowns eyebrows are partially covered towards the ends. The distance between the brows are similar. Appears to have a similar arch. Thickness of the brows are similar.
PVM3BV	Dissimilar	brows appear to be similar in contour but differ in color with the unknown being darker
PWHKDW	Dissimilar	different color.
PWYRHE	Dissimilar	The forehead is semi-full and sparse.
PX9LGZ	Dissimilar	The density, colour and starting point of the eyebrows are different.
PY46H2	Similar	shape, near bridge of nose. Limited visibility
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The eyebrows appear to have a different contour. The knowns brows appear lighter and wider apart. The texture of the brows appear different.
QYFHZU	Dissimilar	The eyebrow color is lighter in the unknown and they are thinner.
R273NE	Dissimilar	Right side brow curvature is similar, but starting point at medial end and color is different. Starting point at medial end of left brow is different and position above eye of that brow is dfferent.
TBLBPC	Similar	
U6E77R	Similar	vertical end position of medial eyebrow relative to the medial canthus is similar,
U778AU	Dissimilar	
UZ6NFC	Unable To Compare	
V7PBGV	Unable To Compare	obscured on Q
XPRZMN	Inconclusive	Dissimilar color and density. Unable to see the lateral half of Unknown's eyebrows, but the medial half that is visible is somewhat similar to the Known's. Similar vertical and horizontal end positions of the medial eyebrows relative to the medial canthi. The Known's right eyebrow has a higher rounded arch.
XQMJNP	Dissimilar	Both subjects have a gentle curve to the eyebrows overall. Known left eyebrow appears to be more flat than unknown. Known eyebrows are lighter in color, and possibly less hair, than unkown.
XTNLEQ	Unable To Compare	Shape unknown

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Image Set Q12: Table 4.12(f) - Eyebrows

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: (for visible medial ends) Shape (L), Size, Position, Asymmetry - angle of medial end of L eyebrow Dissimilarities include: (may be due to differences in styling in Q & R) Shape (R), Density of hair Not comparable: (due to image quality in one or both images) Conjoined - not observed, Hair details
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Inconclusive	

Features Observations Response Summary - Q12 Eyebrows

Total Participants: 63

Response	Percent Reported
Similar	9 (14.3%)
Dissimilar	35 (55.6%)
Inconclusive	13 (20.6%)
Unable to Compare	6 (9.5%)
Not Applicable	0 (0.0%)

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Image Set Q12: Table 4.12(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known's eyes appear slightly lighter green in color than the unknown; the known's eyes appear slightly more "beady" and round in shape than the unknown; similar shaped and prominent medial and lateral canthi; similar shaped superior palpebral creases with the unknown's appearing slightly more prominent; differing inferior palpebral creases in number, prominence, shape and relative location; the unknown has multiple distinct horizontal crow's feet creases where the known has one very faint downward angled crow's feet crease present in the right eye
34T74N	Dissimilar	
3LFL7K	Dissimilar	The eyes of the known subject are lighter in color than the unknown. She has many fewer creases under the eyes than unknown. And, the eyelashes appear to be much thinner and a difference color than unknown subject. In addition, the superior palpebral crease on the known appears to be set higher than on the unknown.
3M7MAM	Dissimilar	Asymmetry in palpebral fold dimensions and periorbital rhytids.
4T9DRJ	Similar	while they seem similar, there are plenty of fine differences.
6JZ4ZJ	Dissimilar	Difference in shape and outer corner angle and in eyelid visibility and appearance
7B6GQY	Similar	
7PHQBF	Dissimilar	There appears to be a slight difference in the shape of the medial canthus of the left and right eyes. The details in the irises appear to be dissimilar. The overall shape of the eyes appears to be dissimilar. The path of the eye fissures appears to be different between the probe and candidate.
89T2WX	Dissimilar	The shape and degree of protrusion are different
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The knowns eye shape is almond and wider than that of the unknown's. Also the eyes slope downward while the unknowns are almond and less wide than the knowns and also they are more level…they do not slope downward. The coloration of the eye appears more brown in the known image and more green in the unknown image. The interior palpebral crease on the unknown image is fuller and has more creases under the lower lids than that of the known image.
9GLTHW	Dissimilar	approx. intercanthal distance is similar, however interpupillary distance is dissimilar, as known's appears to be greater; degree of hoodedness is dissimilar, as unknown's are hooded to a greater degree; superior palpebral crease shape is dissimilar, as known's is more uniformly rounded, whereas unknown's almost plateau at the top; overall shape, size, green color, and level alignment are similar; known's irises are smaller than unknown's; medial canthi shape and elongated shape are similar, however caruncle color and prominence are dissimilar, as known's is a lighter pink color and doesn't protrude in the same manner as the unknown's; eyelash thickness and distribution are somewhat similar, however color is dissimilar, as known's are lighter, but this difference could be attributed to unknown's application of mascara; inferior palpebral and infraorbital creases are dissimilar in shape, prominence, and quantity; unknown has several periorbital creases that are not present on the known, and the expression difference is not great enough to account for this difference

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Image Set Q12: Table 4.12(g) - Eyes

WebCode	Observation	Feature Notes
9KFMFY	Dissimilar	infraorbital creases of Unknown(2) appear to curve rounder/higher toward eyes while Known(1) appear to curve slightly lower down with a straighter curve; Unknown(2) has several prominent periorbital creases not present for Known(1); Unknown(2) has more inferior palpebral creases visible/present, more prominent than creases present for Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	similar inter-pupilary distance, shape slight color difference. significant difference in irises
B2Z6FC	Inconclusive	Similar eye color. Similar medial canthus shape that is elongated. Unknown has hooded eyes. Known has a more round left medial canthus while the unknown is more pointed
BZH38T	Dissimilar	The size, color of the eyes and the shape of the superior palpebral crease on the top eyelid are dissimilar.
CKPXLT	Dissimilar	Dissimilar left eye shape, size and angle, eyelashes, superior and inferior palpebral crease shape and placement and, left medial and lateral canthus shape.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	shape and curvature of eyelid crease dissimilar, crows feet present in unknown but not known, more creases in eye area in unknown
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Eyes – Intercanthal distance appears to be consistent in subjects who also have the same color eyes. . Overall eye shape and size are similar with pupil to iris to sclera ratio is inconsistent between subjects'. Spacing between eyebrows and eyelids are the same as are the size and shape of lower eyelids but Knowns eye bulge out slightly. Unknown has asymmetrical superior palpebral creases, with the right hooding and almost meeting individual's upper eyelid from middle to lateral cantus. Unknown appears to have longer eyelashes than known that graze the superior palpebral creases. Unknown has several more crow's feet lines than Known which may be attributed to expression difference in subjects. Known has shorter eyelashes, no visible inferior palpebral creases, and light circles under each eye.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The eye color is similar but the known's appear slightly lighter. The medial cathi are different sizes and shapes.
H2WQ96	Dissimilar	Eye color is different. Unknown appear to have flecks of color in iris and a light colored corona around the pupil whereas known appears to have a pretty solid color of blue and corona is not visible. More of the known's upper eyelids are visible than the unknown's.
HFB7XM	Dissimilar	Sclera probe right eye, protrusion probe, inferior palpebral creases
HRQ6L4	Dissimilar	dissimilar color (dark blue vs light blue); similar tilt; similar shape of eye fissures; dissimilar thickness of lower eyelids.
HUCPQ8	Dissimilar	

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Image Set Q12: Table 4.12(g) - Eyes

WebCode	Observation	Feature Notes
HYQFYM	Dissimilar	Overall fissure, upper eyelids and superior palpebral creases dissimilar.
JL2M67	Similar	
K3KWNM	Inconclusive	Eyes are similar in shape but not size/color. Known appears green. Unknown appears brown. Medial canthus is not similar in shape/size. Lateral canthus is similar in size/shape. Distance between the upper eye fissure and superior palpebral crease is not the same. Known is greater. Superior palpebral crease is not similar in shape. Inferior palpebral crease is not similar in size/shape/location. Eyelashes is not similar in color/length. Infraorbital crease is not similar in shape. Periorbital creases not similar in shape/size/quantity.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Different color eyes between known and unk. Known appears to have larger orbits and eyes than unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	shape is more almond like in the unknown, known has long and narrow, crows feet are dissimilar, superior and inferior palpebral creases are dissimilar, eyelids are dissimilar, color is dissimilar, sclera is dissimilar, medial canthus is dissimilar
LQZ4DH	Dissimilar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Dissimilar	Unknown has iris nevi
PD3BCW	Dissimilar	Known and unknown's eyes are almond-shaped with a gentle upward slant toward the outer canthus. The upper eyelids of the known image are more exposed, wider, than the unknown image. Known's upper lid has a high-arched, subtle crease. Lower and upper lid's of known image are slightly puffy. The ciliary margin of known's eyes is almost completely visible around each iris. The right pupil of the known image is larger than the left pupil. The inner canthus of the known image is rounded, with a natural inward taper. The left eye of the unknown image appears smaller than the right eye and less symmetrical or balanced than known image eyes. There are 4-5 thin lines, crows feet, on the corners of the left and right eye of the unknown image that do not appear on the known image. The contour of the upper and lower eyelids of the unknown image appear more visible and define likely due to make-up enhancement. Known and unknown's eyes appear to be a similar light, blue-green color
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Periorbital eyelid area appears similar; overall size and shape of eyes appear dissimilar; eyeball prominence appears dissimilar; intercanthal distance appers dissimilar; medial canthi appear similar in shape; l/r iris in K appear smaller and so do pupils; some iris features also appear dissimilar; iris color appears dissimilar; more sclera visible on K; upper eyelids larger on K; superior palpebral creases appear similar in shape; dissimilar in definition; inferior palpebral creases appear dissimilar in quantity and depth.
PRMQFV	Inconclusive	Alignment of the eyes are similar. The color of the eyes are similar. Irises are dissimilar, more detailed in the unknowns eyes. Tone of the knowns lashes are lighter. The prominence of the medial canthus is similar. Shape of the eyes are similar.

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Image Set Q12: Table 4.12(g) - Eyes

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	shape of the eyes appear to differ in the lateral canthus of both eyes - superior palpebral creases differ in distance from the edge of the eye lid - unknown has presence of crows feet as well as inferior palpebral creases
PWHKDW	Dissimilar	know's eyes are a pale blue and unk has green eyes. The eyelid expsoure and distnace from eye to eyebrow is dinstinctly different.
PWYRHE	Dissimilar	The light greens and the other are gray
PX9LGZ	Dissimilar	The eye color is different. The eyes on the unknown image are slightly asymmetrical (left is more upwards than the right). Also a slightly lazy left eye is observed on the known image.
PY46H2	Dissimilar	tonality of iris, shape, visibility of lid
Q49MUY	Similar	
QTWDAF	Dissimilar	The right eye appears higher on the known whereas the left appears higher on the unknown. The intercanthal distance appears shorter on the known. There appears to be more sclera visible on the known. The unknown appears to have larger bags under the eyes.
QYFHZU	Dissimilar	The intercanthal and interpupillary distance appear to be wider than in the known. The superior palpebral crease looks deeper/more pronounced in the unknown. More of the upper eyelid is visible in the known. The lower eyelid and inferior palpebral crease are fuller/more prominent in the unknown.
R273NE	Dissimilar	Eye shapes are similar. Position at which eyes sit on face are different, with left eye of unknown is angled up more at lateral end. Medial canthus shapes are similar. Eyelid shapes appear different. Under eye lines are in different positions and more numerous under unknown's eyes. Crow's feet lines are different positions at lateral ends of both eyes.
TBLBPC	Similar	different folds but could be because of ageing
U6E77R	Similar	similar intercanthal distance and interpupillary distance. right and left medial canthus have similar shape
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Similar eye fissure shape. Unknown has wider iris diameter and hooded eyelids. More upper eyelid is visible in the Known. The superior palpebral furrows are similar in shape but dissimilar in location (lower in Unknown and higher in Known). The periorbital eyelid is fuller in the Unknown and thinner in the Known. Width of medial canthi are somewhat similar; right medial canthi similar in shape, left medial canthi dissimilar in shape (could be caused by Unknown squinting a bit causing it to become narrower and pointed). Iris is darker in Unknown, but both have green eyes. What I can see if the iris pattern is inconsistent. Unknown’s lower eyelid is fuller and has more fine lines and creasing (caused by smiling). Known’s lower eyelid area is thin and has very few fine lines. The inferior palpebral crease location is somewhat similar, but the infraorbital furrow path is inconsistent.

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Image Set Q12: Table 4.12(g) - Eyes

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Both subjects have green eyes; however, known eyes are light in color. Overall shape of eyes appears to be similar between the subjects. More upper eyelid is visible on known. Unknown upper eyelid appears to be more "hooded." Unknown has several facial lines under the eyes and at the out corners. No significant facial lines noted on known around the eyes.
XTNLEQ	Inconclusive	Intercanthal distance and eyelids not visible
XYERF8	[Not Reported]	Similarities include: Intercanthal distance, Interpupillary distance, Eye fissure opening: shape, angle (R), Upper/lower eyelid: position in relation to iris/pupil, Iris: visibility, Medial canthus: shape, angle (R), Lateral canthus: shape, angle (R) Dissimilarities include: (some may be due to differences in pose/expression) Eye fissure opening: angle (L), Upper eyelid: prominence, protrusion, visibility of superior palpebral crease (location), lash characteristics, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease (location), visibility of the infraorbital furrow (location), lash characteristics, Eyeball prominence, Sclera: visibility, Iris: diameter relative to eye opening, position relative to eye opening, Medial canthus: caruncle, shape, angle (L), Lateral canthus: shape, angle (L), Asymmetry (L medial canthus angled upward in Q1 and downward in Q2, L eye sits higher in Q1, lower in R1) Not comparable: Iris: irregularity of iris (not observed)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q12 Eyes

Total Participants: 63

Response	Percent Reported
Similar	10 (15.9%)
Dissimilar	47 (74.6%)
Inconclusive	6 (9.5%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q12: Table 4.12(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown appears to have more full cheeks compared to the relatively flat cheeks in the known; the unknown has a prominent facial mark present on the lower right cheek and the known also appears to have a facial mark present on the lower right cheek, but it appears less prominent and located slightly higher on the cheek relative to the nose
34T74N	Dissimilar	Difference might be because of facial expression.
3LFL7K	Dissimilar	Known subject's cheeks are much less full and not as prominent as those of the unknown subject.
3M7MAM	Dissimilar	Different degrees of cheeks prominence.
4T9DRJ	Dissimilar	unknown seems to have higher cheekbones
6JZ4ZJ	Dissimilar	Cheekbone, prominence
7B6GQY	Inconclusive	
7PHQBF	Dissimilar	The fullness of the cheeks appears to be dissimilar. The probe looks to have fuller cheeks compared to the candidate.
89T2WX	Dissimilar	The color distribution and shape are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Cheeks of the known image are fuller and wider than that of the known image. Also the unknown image has several facial markings that are present that are not on the known image.
9GLTHW	Inconclusive	overall shape and size are similar, however unknown's are fuller and bulged up along the cheekbone, but this could be attributed to expression difference; known has a reddish patch on the right cheek that is not visible on the unknown, however this could be due to the application/concealment of face makeup; unknown has a larger, round, elevated, skin colored facial mark on the right cheek, and a smaller one on the left nasolabial fold that are not present on the known
9KFMFY	[Not Reported]	cheeks appear more lifted/prominent for Unknown(2) than Known(1)
9U4MPG	Dissimilar	Less prominent in known
AKVB9D	Dissimilar	known- large flat cheeks, unknown- large rounded full cheeks. (DIfference in expression??)
B2Z6FC	Dissimilar	Unknown has fuller cheeks. Both have a facial mark on the right cheek
BZH38T	Dissimilar	The cheek shape around the cheekbone area is dissimilar.
CKPXLT	Dissimilar	Dissimilar cheek bone prominence and soft tissue fullness.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	shape is dissimilar, flat in known, curvy in unknown, marks on cheek dissimilar in location, size
DA6QFC	Dissimilar	

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Image Set Q12: Table 4.12(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Cheeks – Subject's have inconsistent nasolabial fold angles, with Knowns being sharper but Unknowns is more pronounced. Unknown has fuller cheeks that sit higher than Knowns, this may be attributed to expression differences, lighting, and makeup worn by subject. Unknow has a mole, freckle, blemishes and/or facial marks in the middle of apple of right cheek.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in shape and fat distribution
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The unknown's cheeks appear to be fuller and more rounded. Both have facial marks on their cheeks
H2WQ96	Dissimilar	Unknown's cheekbones are more defined.
HFB7XM	Similar	
HRQ6L4	Dissimilar	dissimilar in prominence of cheekbones and fullness.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar in texture and fullness. Dissimilar nasolabial folds.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Cheeks not similar in size/shape/location/prominence/color. Facial markings on the cheeks are not similar in size/shape/location.
KEBXX2	Dissimilar	The unknown's cheeks appear fuller
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Cheeks appear fuller in unk as well as higher cheekbones in unk. Lower cheekbones are present in and less full cheeks are presented in known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks are fuller in the unknown, cheeks are redder in the unknown, mark on the right cheek is not present in the known, length is longer in the known, known has dark marks on the right cheek that is not visible in the unknown
LQZ4DH	Dissimilar	Cheekbone (prominence) and shape
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Known and unknown's cheeks are similar in weight and size. Known's cheeks appear slightly longer and uniform to the jawline where unkown's cheeks appear round, fuller at the top and slightly narrow at the beginning of the jaw.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Zygomatic bones appear dissimilar in definition and shape; soft tissue appears fuller in U, dimples present in U.
PRMQFV	Dissimilar	Cheeks are more pronounced on the unknown, possibly due to the difference in expressions.

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Image Set Q12: Table 4.12(h) - Cheeks

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	cheeks differ in fullness - unknown are more full and rounded - facial marks appear on both subjects that differ in size and location
PWHKDW	Dissimilar	cheeks are fuller in unkown's.
PWYRHE	Dissimilar	The cheekbones are more prominent than in the other image.
PX9LGZ	Dissimilar	The cheekbones are higher and cheeks more chubby on the unknown image than on the known.
PY46H2	Dissimilar	unknown fuller, cheekbones more prominent (time? expression?)
Q49MUY	Similar	
QTWDAF	Dissimilar	The cheeks appears to be fuller on the unknown but thinner and longer on the known.
QYFHZU	Dissimilar	The cheeks are fuller and wider in the unknown.
R273NE	Dissimilar	Cheek shapes and sizes are different. Unknown has dimples and indetions in middle of both cheeks not visible on known.
TBLBPC	Similar	
U6E77R	Dissimilar	unk subject has rounder cheeks
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Dissimilar in length, shape, and fullness (Unknown smiling is creating more fullness in mid cheek area).
XQMJNP	Dissimilar	Known cheeks are flat with nothing of significance noted. Unknown cheeks are full and round. A facial mark is noted on unknown's right cheek.
XTNLEQ	Unable To Compare	Not clear
XYERF8	[Not Reported]	Dissimilarities include: Cheekbone prominence, Cheek shape Not comparable: (not observed) Dimples
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q12 Cheeks

Total Participants: 62

Response	Percent Reported
Similar	4 (6.5%)
Dissimilar	53 (85.5%)
Inconclusive	4 (6.5%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q12: Table 4.12(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's nasal root, bridge, tip all appear wider/broader than the known's, the unknown has a curve in the nasal bridge; the unknown has more definition and differently shaped nasal alae including attachment shape
34T74N	Dissimilar	
3LFL7K	Dissimilar	The nose of the known subject is narrow in length, the nostrils are not as flared as unknown and the right nostril appears larger than left. The unknown subject has a wider nasal body with more flared nostrils.
3M7MAM	Dissimilar	Nasal morphological discrepancy.
4T9DRJ	Dissimilar	very skinnier nose on know than unknown, unknown nose seems crooked.
6JZ4ZJ	Dissimilar	noses in pic A and B differ across all major components—shape, width, nasal tip, alae, nostrils, and base prominence
7B6GQY	Similar	
7PHQBF	Dissimilar	The candidate appears to have a slimmer nasal body compared to the probe. The probe's nasal base and tip appears to be larger than the candidate's nasal base. The shape of the nostrils also so dissimilarities. The shape and size of the alas appear to be dissimilar as well.
89T2WX	Dissimilar	The shapes of the nasal bridge, alae, and nostrils are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known images bridge of the nose is thinner than that of the unknown. The nostril shape is more round/smoother transition from the bridge of the nose on the known image and slightly triangular on the unknown image. There are numerous marks on the bridge of the nose of the unknown image, that are not consistent in coloring or placement of those on the known's image.
9GLTHW	Dissimilar	overall size and degree of protrusion are similar, however shape is dissimilar; nasal root depth is similar, but known's is wider; nasal body width and shape are dissimilar, as known's is narrower and straight, whereas unknown's is wider and curved to the left; nasal tip shape and nasal base width are dissimilar, as unknown's is bulbous and wider; ala shape, symmetry, thickness, and alignment are dissimilar; nostril shape and size are dissimilar, as known's are narrower and taller; nasolabial fold shape, size, and location are relatively similar, however unknown's are more prominent, but this could be attributed to the smirking expression displayed
9KFMFY	Dissimilar	Unknown(2) nasal body appears to curve slightly more to right while Known(1) appears straighter; width of nasal base of Unknown(2) appears wider; lift of alae of Unknown(2) appear more asymmetrical than Known(1), right alae of Unknown(2) is lifted higher than left; nasal tip of Known(1) is more narrow/pointed while Unknown(2) is more rounded/bulbous
9U4MPG	Dissimilar	thinner nasal body in known
AKVB9D	Dissimilar	known- long, narrow, straight nasal body, smooth nasal tip unknown- log narrow nasal body with slight curve to the left near rounded nasal tip, flaring alae, pirercing on right alae

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Image Set Q12: Table 4.12(i) - Nose

WebCode	Observation	Feature Notes
B2Z6FC	Dissimilar	Known has a thin nasal body while the unknown has a thicker nasal body with a slight curve. Known has alas that align with the nasal tip while the unknown has alas that round out.
BZH38T	Dissimilar	The shape of the nose is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose body, tip, alae and nostrils shape, size and asymmetry.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	size of nose tip and curvature of nostrils dissimilar
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Nose – Inconsistent length and width of nasal body in subjects. Unknown has a rounded nasal tip that protrudes slightly with visible supra ala crease. Unknown has a thicker right ala than left, but overall is both are thicker than ala seen in Known. Both subject alas are consistent in being asymmetrical, with a left ala which sits slightly higher than right ala. Known nasal body is longer, thinner, with nasal tip that is pointed and does not extend past nasal base. Known has a thinner nasal body, thick short ala, and smaller nasal base. Columella Known protrudes further past triangle shaped nostrils while only Unknowns columella is triangle shaped. Unknown has slight right slant in nasal body, almost shaped like a comma, which is wider than Known. and a piercing on the right supra ala crease. Unknown has teardrop shaped nostrils and a wider nasal base and a piercing on the right supra ala crease
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, geometric shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known's nasal body is straight and narrow, the unknown's is wider and curved. The unknown's ala are uneven, her right ala is higher and tilted upward. The known's nasal tip is smaller and more pointed
H2WQ96	Dissimilar	Length is similar, but known's nose is thinner and right nostril appears larger than the left. Unknown's nose is crooked, curving to the left where known's is straight.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar prominence of nasal root; dissimilar width and length of nasal body; dissimilar size and shape of nasal tip and alae.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar nasal root, body, tip and base.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Nose is in a similar location. Nasal root is not similar in shape/size. Nasal crease is not similar in shape. Nasal body is not similar in size/shape/thickness/curvature. Nasal tip is not similar in shape/size/curvature. Known's nasal body is slimmer. Ala are not similar in size/shape/thickness. Unknown's ala are thicker. Unknown has a piercing on right side. Nostrils are not similar in size/shape. Columella is not similar in size/shape. Nasolabial folds are not similar in shape/size.

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Image Set Q12: Table 4.12(i) - Nose

WebCode	Observation	Feature Notes
KEBXX2	Dissimilar	It looks like the unknown's nose bends a bit at the tip but this could be due to a nose ring
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Much wider nasal body in unk than in known with bend not present in known. Nasal root appears slightly wider in known. Ala are flared and wider in unk. Known as more slender overall body of the nose than unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	nasal root appears to be thinner in the known, bridge of nose in unknown slants to the right where the known is straight, nasal base is wider in the unknown, nostril shape/size is dissimilar, columenella thickness is dissimilar, ala is thicker in the unknown, nasolabial folds are dissimilar in size/location, unknown has a nose piercing that the known does not have
LQZ4DH	Dissimilar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The nose of the known image is straight and narrow, with a high nasal root and bridge. The width of known's nose is slim, angular and even in narrow width, from root to tip. The nasal bridge of the unknown image is wider than the known image. There is more visible skin texture on the unknown's nose which is in contrast to the smoother skin on the known's nose. The nasal root on the unknown image appears lower than the known image. Known has a slightly pointed nasal tip that has a slight downward projection. Known's right nostril appears wider than the left. Unknown's nose is fuller and less angular than known's nose. The nasal tip of unknown image is wider than known image. Unknown image has a nasal piercing on the left alar region that is not on the known image. The alar base of the unknown image is wider than known alar base. Unknown's nostrils are rounder and more open than known's nostrils. The known image has a sharply defined, longer columella unlike the shorter, wider columella of the unknown image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	nasal root appears dissimilar in shape; nasal body thinner in K and longer; nasal tip appears wider in U; nasal base appears dissimilar in size; nostrils appear dissimilar in shape and asymmetry; alae appear dissimilar in shape, but similar in asymmetry; where alae meets upper lip appears dissimilar; columella appears similar in width; nostril piercing on U, not present in K; distance similar from nose to lip.
PRMQFV	Dissimilar	Length of the nasal body is similar. The width of the nasal body is dissimilar, wider on the unknown. Unknowns nose curves to the right, not found on the known. The tip of the nose is more bulbous on the unknown. Curvature of the nostrils is dissimilar. Thickness of the columella is dissimilar.
PVM3BV	Dissimilar	nose differs in thickness of the nasal body - the ala of the unknown appear to flair outward more than that of the known - nasolabial folds appear to be similar in prominence and angle
PWHKDW	Dissimilar	known's nose is very long and straight. Unk's nose has a slight curve in it.
PWYRHE	Dissimilar	Nostrils and It shows a piercing.
PX9LGZ	Dissimilar	The nose on the unknown image is slightly curved to the left and wider compared to the known image.

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Image Set Q12: Table 4.12(i) - Nose

WebCode	Observation	Feature Notes
PY46H2	Dissimilar	Length, shape, extension of alae
Q49MUY	Similar	
QTWDAF	Dissimilar	The nasal root appears to be indented and thinner on the known. The nasal body appears to be curved and thicker on the unknown. The nasal tip is bulbous and more squared on the unknown. The nostrils are wider and the ala appear thicker on the unknown.
QYFHZU	Dissimilar	The nasal root, body, and tip are narrower in the known. The nostril openings are wider in the unknown.
R273NE	Dissimilar	Width at nasal root is different with known being wider and coming down to thinner body. Unknown is similar width from root down through body. Width and shape of nasal tip is different. Ala shapes and nostril shapes are different. Curvatures down through body is different.
TBLBPC	Dissimilar	
U6E77R	Dissimilar	nose much thinner and straighter in known, possibly had surgery. Nasal tip very different
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	curved, nostrils
XPRZMN	Dissimilar	Nasal outline is dissimilar. Unknown's nose is asymmetrical with a bend in the nasal body and asymmetrical shape/size/placement of the alae and nostrils. Known's nose is symmetrical, longer, and narrower; the nasal base is not as wide, the alae are less prominent, and the nostrils are a different shape from the Unknown's. The Unknown's nasal body is wider with a larger nasal tip. The columella between the nostrils is mostly similar, but it tapers down from a wider nasal tip area in the Unknown.
XQMJNP	Dissimilar	The bridge of known nose is long and skinny. Base of known nose is also skinny with no definition around nostrils. Unknown nose has a wider bridge that curves to the right in the middle. Base of unknown nose is wider and has definition and shape to the nostril and tip area. Unknown has a nose ring on the right side of the nose. .
XTNLEQ	Unable To Compare	Nasal tip undefined
XYERF8	[Not Reported]	Similarities include: Nasal outline: prominence, Nasal root: depth, angle, Columella: width Dissimilarities include: (some may be due to differences in pose) Nasal outline: shape, length, width, Nasal root: width, shape, Nasal body: width, length, shape, angle, contour Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Nostrils: shape, size, Columella: length, relative position, Asymmetry (R nasal ala smaller and upwardly angled in Q1, deviation of nasal body to subject's R curving back L to tip in Q1 - not observed in R1) Not comparable: Nostrils: hair - not observed
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Nose		Total Participants: 63
Response	Percent Reported	
Similar	2 (3.2%)	
Dissimilar	59 (93.7%)	
Inconclusive	1 (1.6%)	
Unable to Compare	1 (1.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q12: Table 4.12(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	Unable To Compare	unable to compare due to hair covering in the unknown
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	Ears on unknown subject are not visible.
3M7MAM	Unable To Compare	The unknown person's ears are obscured by hair.
4T9DRJ	Unable To Compare	
6JZ4ZJ	Unable To Compare	Picture B the ears are coved by hair
7B6GQY	Not Applicable	
7PHQBF	Unable To Compare	Cannot be compared
89T2WX	Unable To Compare	Obscured by hair
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Unable To Compare	The unknown’s ears are not visible.
9GLTHW	Unable To Compare	unknown’s are completely covered by hair
9KFMFY	Unable To Compare	unable to compare details of ears due to them not being visible for Unknown(2) due to hair
9U4MPG	Unable To Compare	
AKVB9D	Unable To Compare	not visible in unknown
B2Z6FC	Unable To Compare	
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Occluded and not visible in the Unknown.
CUYZ8T	Unable To Compare	
D2QZYQ	Unable To Compare	unable to compare due to hair coverage in unkown
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	Ears – Known has small ear with thick helix that appears to go straight down after recurve. Detached ears have 2 or 3 piercing visibility is obscure due to subject hair. Unknown hair is obscuring view of subjects ears hindering comparison.
EGYH2B	Unable To Compare	
ELRHHR	Unable To Compare	not visible
FBEYWM	Unable To Compare	
FZRJT8	Unable To Compare	The unknown's ears are obscured by hair
H2WQ96	Unable To Compare	Unknown's ears are covered by hair.

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Image Set Q12: Table 4.12(j) - Ears

WebCode	Observation	Feature Notes
HFB7XM	Unable To Compare	
HRQ6L4	Unable To Compare	not visible in unk image.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Unknown obscured by hair.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	UNABLE TO COMPARE
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	Due to hairstyle of unk, complete comparison is not available.
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	ears are covered in the unknown due to hair being down
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Not Applicable	Ears on unknown individual are covered by long hair and not visible for comparison purposes.
PGNVGZ	Unable To Compare	
PKLEJY	Unable To Compare	
PRMQFV	Unable To Compare	Unable to compare, not visible on the unknown.
PVM3BV	Unable To Compare	ears of unknown are not visible for comparison
PWHKDW	Unable To Compare	ears are not visilbe in unknown
PWYRHE	Unable To Compare	Can't be compared.
PX9LGZ	Unable To Compare	Not comparable, as the hair is covering the ears on the unknown image.
PY46H2	Unable To Compare	
Q49MUY	Unable To Compare	
QTWDAF	Unable To Compare	Not able to be compared due to obstruction
QYFHZU	Unable To Compare	Unable to compare. Ears are not visible in the unknown.
R273NE	Not Applicable	Unable to see ears of unknown.
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	
U778AU	Unable To Compare	

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Image Set Q12: Table 4.12(j) - Ears

WebCode	Observation	Feature Notes
UZ6NFC	Unable To Compare	
V7PBGV	Unable To Compare	
XPRZMN	Unable To Compare	Not visible in Unknown for comparison
XQMJNP	Unable To Compare	Known ears are visible and both ears are pierced. Unknown ears are covered by hair.
XTNLEQ	Not Applicable	Not clear in image B
XYERF8	[Not Reported]	Not comparable: (due to obstructions in one or both images) Asymmetry, Ear protrusion, Overall ear: size, shape angle, Helix: size, shape, Tubercles: size, shape, quantity, Antihelix: size, shape, Crura of antihelix: size, shape, Triangular fossa: size, shape, Crus of helix: size, shape, Scaphoid fossa: size, shape, Concha: size, shape, Tragus: size, shape, protrusion, Antitragus: size, shape, protrusion, Intertragic notch: size, shape, Anterior knob: size, shape, Anterior notch: size, shape, Posterior auricular furrow: size, shape, Lobe: size, shape, attachment, Abnormalities
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Unable To Compare	

Features Observations Response Summary - Q12 Ears — Total Participants: 64

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	1 (1.6%)
Inconclusive	2 (3.1%)
Unable to Compare	54 (84.4%)
Not Applicable	7 (10.9%)

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Image Set Q12: Table 4.12(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar overall size of the mouth; similar shaped upper lip with both individuals having distinct peaks/upper lip alae, but the known's appear slightly wider in shape; the known has a more distinct/prominent philtrum; the unknown has a distinct facial mark present on the upper lip that is not present on the known; the known has more distinct/prominent marionette lines/creases; the lower lip lines appears different in shape and relative location; similar lower lip fullness and protrusion
34T74N	Similar	
3LFL7K	Dissimilar	Both the known and unknown subjects have similar lip fullness, a visible philtrum and a pronounced cupid's bow. However, the creases at the corner of the mouth are more pronounced on the known than the unknown, even with the unknown's smiling expression. Also, the mentolabial sulcus on the known is also deeper than unknown.
3M7MAM	Inconclusive	Facial expression variability impacts oral feature comparison.
4T9DRJ	Dissimilar	mouth on unknown seems overall larger. Dimples on unknown don't seem to be on known.
6JZ4ZJ	Similar	Overall mouth upper lip, lower lip and philtrum are Symmetry
7B6GQY	Similar	
7PHQBF	Dissimilar	The shape of the upper lips appears to be dissimilar between the probe and candidate. The tubercle of the upper lip of the candidate appears to protrude more than the probe's. The upper vermillion border looks to follow a different path. The mouth fissure appears to be dissimilar as well.
89T2WX	Dissimilar	The length of the philtrum is similar, but the shape and color of the upper lip peak are different
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Differing expressions…the Known image has a closed mouth no expression while the unknown has a slight smile. The knowns bottom lip appears full/fatter than that of the unknown. The cupids bow portion of the known appears wider and the peaks appear pointier. The lip creases on the bottom lip are horizontal and vertical on the unknown image and appear only vertical on the known image. The outer edges of the unknown's lip appear to have a downward small/short crease while the known image does not have this crease.
9GLTHW	Dissimilar	overall shape, size, and degree of protrusion are similar; philtrum shape and depth are dissimilar, as known's is tear drop shaped and shallower, whereas unknown's is "U" shaped and deeper; there is a facial mark to the right of the philtrum that is present on the unknown but not the known; stretched "M" shape of the upper vermillion border is similar, however known has a tubercle whereas unknown doesn't; curvature of lower vermillion border is similar, however known's is more symmetrical; lip fullness is similar, however color and lip creases are dissimilar; fissure shape is dissimilar; known has a prominent mentolabial sulcus, whereas unknown doesn't; marionette lines are dissimilar, as known's are longer and slant outward, whereas unknown has dimples
9KFMFY	[Not Reported]	upper vermilion border of Unknown(2) appears to have flatter/longer curve to corners of mouth; Unknown(2) has prominent creases by corners of mouth not present for Known(1)
9U4MPG	Dissimilar	Lines on lower lip dissimilar

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Image Set Q12: Table 4.12(k) - Mouth

WebCode	Observation	Feature Notes
AKVB9D	Similar	similar upper/lower vermillion border, philtrum, cupid's bow. slight upturn at corners
B2Z6FC	Dissimilar	Creases in lower lip are different. Known has a fuller upper lip. Unknowns upper lip does not extend to the edges of the vermillion border
BZH38T	Dissimilar	The lip shape and fullness are dissimilar.
CKPXLT	Similar	Similar overall mouth and Cupid's bow shape, upper and lower lip fullness and, philtrum prominence.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	length from cupids bow to edge of mouth appears longer in unknown, columnella does appear to be same shape
DA6QFC	Similar	
EGJRJR	Dissimilar	Mouth – Known's upper lip is slightly fuller that lower lip in contrast Unknown has fuller that lower lip than upper lip. Known philtrum ends into soft v-shaped upper lip, with a left alae slightly higher than right, and a right of center tubercle. Unknow has wider philtrum that is not as deep much like subjects smile. Unknown's bottom lip appears to be fuller on the right while left upper lip is longer probably resulting in subject straight fissure that is left leaning. Unknown has vertical striae from fissure to prominent lower vermillion boarder of subject that protrudes slightly on right side of lower lip. Known also has vertical striae on lower lip but they are faint and stop at mid-lower lip.
EGYH2B	[No observations reported for this feature.]	
ELRHHR	Dissimilar	different wrinkles and texture
FBEYWM	Similar	
FZRJT8	Dissimilar	The unknown's upper lip vermilion boarder is uneven, her lip is thinner on her right than her left. Her cupid's bow is uneven and smaller than the known's. The known appears to have marionette lines.
H2WQ96	Dissimilar	Known's upper lip is fuller. Lip fissure looks different. Known's mentolabial sulcus is more pronounced.
HFB7XM	Inconclusive	
HRQ6L4	Dissimilar	dissimilar width; similar upper & lower vermillion border contour; similar thickness of upper and lower lips.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Fissure somewhat similar, lip details dissimilar.
JL2M67	Similar	
K3KWNM	Inconclusive	Vermillion border is similar in shape/contour. Philtrum is similar in shape. But not similar in size. Tubercle of the upper lip is not similar in prominence/size/shape. Lips are not similar in color/shape/size. Lip creases on both lips are not similar in shape/quantity. Facial markings above the mouth and below the nose in the Unknown is not present in the Known. Marionette lines are similar in size/shape/location.
KEBXX2	Similar	Both have a pronounced cupid's bow upper lip and philtrum with a mentolabial sulcus
KHWG47	Dissimilar	

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Image Set Q12: Table 4.12(k) - Mouth

WebCode	Observation	Feature Notes
L7ZVC2	Dissimilar	Similar placement on face in known and unk although unk appears to have slightly fuller lips and shorter philtrum. Vermillion line in known different from unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mouth is closed in both, mouth is narrower in the known, lip fullness is fuller in the known, cupid bow is dissimilar, marionette lines are dissimilar, mark above upper lip on the right side is not visible in the known, creases in lips are dissimilar, philtrum is dissimilar
LQZ4DH	Dissimilar	Overall shape, upper lip, Filtrum, lower lip, labial commissure
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The philtrum of the known individual appears longer, thinner in width and more shallow than unknown's philtrum. The lips of known are closed with a relaxed, neutral expression. Unknown's mouth is closed with a slight smirk. Known's lips appear more pale in color than unknown's lips. The vermilion of both of known's lips appear fuller compared to the unknown image. Unknown's cupid's bow is sharper and more defined than known's cupid's bow.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Upper and lower vermillion border appear dissimilar in shape and asymmetry; fullness of upper lip appears dissimilar; philtrum appears similar in width and prominence; tone of lips dissimilar; mentolabial sulcus deeper in K.
PRMQFV	Dissimilar	Fullness of the lips are similar. Cupids bow more prominent on the known. The fissure is dissimilar, more slanted on the unknown and straight on the known possibly due to the difference in expressions. Creasing on the lips are dissimilar, more abundant on the unknown. The philtrum is more prominent on the known. Unknown has a lower vermillion border, not found on the known. Tone of the lips are similar.
PVM3BV	Dissimilar	mouth differs slightly in expression - corners of the mouth differ in angle and presence of creases - upper and lower vermillion borders appear to differ slightly in shape - prominence of the mentolabial sulcus differs between subjects with the known having a deeper crease
PWHKDW	Dissimilar	mouth of known is much smaller and cupid's bow is more pronounced.
PWYRHE	Dissimilar	The lips are thin and larger. In the other image, the lips are short.
PX9LGZ	Dissimilar	The corners of the mouth and the upper lip are different. The philtrum is slightly longer and the mentolabial sulcus more prominent on the known image than on the unknown.
PY46H2	Dissimilar	shape similar/ creases different on lower lip
Q49MUY	Similar	
QTWDAF	Dissimilar	The upper lip appears thinner on the known however this could be due to a difference in expression. The lower lip appears to be fuller in the unknown. The lower vermillion border appears to be more discolored on the unknown.
QYFHZU	Dissimilar	The mouth appears wider in the unknown. The philtrum looks slightly deeper in the known.

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Image Set Q12: Table 4.12(k) - Mouth

WebCode	Observation	Feature Notes
R273NE	Dissimilar	Top lip shapes are different. Known has ala in top lip not visible on unknown. Bottom lip shape is a little different. Mouth ends are different. Known has Marionette lines from mouth ends. Unknown has little lines at mouth ends but dont come down. Philtrum width and shapes are different. Fissure curvature is different between two.
TBLBPC	Similar	
U6E77R	Similar	each person has similar fullness in top and bottom lips. Both have many lower lip creases.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	philtrum definition, shape, creases
XPRZMN	Similar	Similar overall shape. Philtrum length and width is somewhat similar (different areas of shadowing impacting appearance, Unknown smiling is flattening out philtrum). The upper lip shape is similar, but the cupid's bow is wider in the Known. Lip fullness is similar (upper lip is not as full in appearance, but likely due to smiling). Vermillion border has a similar taper to the corners of the mouth. Similar lower lip creases, but their placement is dissimilar. Mentolabial sulcus In Unknown appears slightly lower from lower lip than in the Known. Known's sulcus appears deep set (appearance could be caused by the shadowing).
XQMJNP	Dissimilar	Known mouth is smaller in size (from left to right). Known mouth has a distinct cupids bow. Long vertical facial lines are noted on both side of the known mouth. Unknown mouth is longer than known. Unknown upper lip appears to be slightly thinner than bottom lip. Unknown has a cupids bow, but not as pronounced as known. Unknown has small deep vertical facial lines at the corners of the mouth.
XTNLEQ	Inconclusive	Lips are not clear
XYERF8	[Not Reported]	Similarities include: Lower lip: protrusion, lower vermillion border shape Dissimilarities include: (some may be due to differences in expression in Q & R) Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape, Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, fullness, detail, Lip fissure: shape, degree of contact, angle, Asymmetry (angle of lip fissure, R tip of cupid's bow sits higher than L in R1, L higher than R in Q1) Not comparable: (due to pose and expression in one or both images) Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Mouth		Total Participants: 61
Response	Percent Reported	
Similar	14 (23.0%)	
Dissimilar	43 (70.5%)	
Inconclusive	4 (6.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	0 (0.0%)	

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Image Set Q12: Table 4.12(I) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar shaped and prominent jawline; the known's chin appears slightly more prominent and has a more prominent mentolabial sulcous
34T74N	Similar	
3LFL7K	Dissimilar	The chins of both are similar in shape, but the bottom of the known subject's chin appears to be flat where the unknown's chin is noticeably round. The jawlines are different in that the unknown subject has a more distinct curvature to the gonial angle.
3M7MAM	Dissimilar	Variation in chin projection.
4T9DRJ	Dissimilar	chin more rounder on the end on known than unknown. indentation under lower lip deeper on known.
6JZ4ZJ	Dissimilar	Overall shape, Length or width or both relative to rest of face, Jawline shape
7B6GQY	Similar	
7PHQBF	Dissimilar	The contour of the jawline appears to be similar between the probe and candidate.
89T2WX	Dissimilar	The shape is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The known is more rectangular across the chin and jawline area while the unknown is fuller/more rounded through chin and jaw line. The chin of the unknown image appears more padded/fatter and the sulcus crease under the bottom lip extends downward further towards the chin than that of the known image. There are several markings on the chin/jaw area of the unknown image that are not present on the known image.
9GLTHW	Dissimilar	shape of the jawline is dissimilar, as known’s is rounded and elongated, whereas unknown’s is more linear and defined, with a more prominent gonial angle; width and short height of the chin are similar, however shape and prominence are dissimilar, as known’s is more angular and protrudes more, whereas unknown’s is rounded in shape; the skin in this area is also dissimilar, as unknown possesses several acne-like marks, whereas known’s skin is clear
9KFMFY	Dissimilar	Known(1) appears to have slightly flatter shape/curve to lower shape of chin while Unknown(2) has rounder curve to lower chin; Unknown(2) appears to have slightly more steep rounded curve to jawline to gonial angle
9U4MPG	Dissimilar	More rounded in unknown
AKVB9D	Similar	rounded jawline, rounded chin, slight flat spot on known
B2Z6FC	Dissimilar	Known has a more pronounced chin and mentolabial sulcus.
BZH38T	Dissimilar	The chin length is dissimilar.
CKPXLT	Dissimilar	Dissimilar gonial, chin, jawline shape, size and angle and, sulcus prominence.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	deep crease in known image, can angle different

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Image Set Q12: Table 4.12(I) - Chin/Jawline

WebCode	Observation	Feature Notes
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Chin/Jawline – Known has soft slightly curved jawline that leads in square chin with slight forward protrusion. Unknown defined jawline is shorter, square shaped into rounded chin that has several moles, freckles, blemishes and/or facial marks.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different shape
FBEYWM	Inconclusive	
FZRJT8	Similar	The chin/jawline looks similar
H2WQ96	Similar	Chin and jawline have similar shape.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar angle of lower chin; jawline similar in contour but fuller in unk image.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Overall jawline and chin shape dissimilar.
JL2M67	Similar	
K3KWNM	Inconclusive	Chin is similar in size/shape. Mentolabial sulcus is similar in size/shape. But not similar in depth. Jawline is not similar in shape.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Chin is more rounded in unk with blemishes and the more squared jaw of known with smoother skin. Jaw of known also appears to be unsymmetrical in nature with a sloping down to the right. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	chin is squarer in the known, mentolabial sulcus is dissimilar, jawline is longer in the known, jawline is more round in the unknown, marks on the chin in the unknown are not visible in the known
LQZ4DH	Dissimilar	Chin, Jawlines
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Unknown's jaw appears wider and larger in comparison to known's jawline. Known's chin is round and pointed, projecting slightly more than the unknown's chin. The contour of unknown's chin blends more smoothly into the jawline than known's chin. The jawline of unknown is more U shaped while known's jawline is more V shaped. The mental crease of known individual is more visible than unknown individual.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Chin dissimilar in shape, somewhat similar in protrusion; more squared in K; jawline appears dissimilar in definition.

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Image Set Q12: Table 4.12(I) - Chin/Jawline

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Curvature of the chin is dissimilar. Knowns chin appears to be more squared and the unknowns is rounded. Length of the chin is similar. Jawline is rounded on both known and unknown.
PVM3BV	Similar	chin and jawline of the subject appear to be similar in contour - there appears to be a difference in weight - facial marks appear to be seen around the chin and jawline of the unknown that are not seen on the known
PWHKDW	Inconclusive	chins are rounded, which are similar, but the jawline is slightly different
PWYRHE	Dissimilar	Acute chin
PX9LGZ	Dissimilar	The jawline on the unknown image is wider than on the known image. The chin on the known image is more protruding.
PY46H2	Dissimilar	unknown- broader
Q49MUY	Similar	
QTWDAF	Dissimilar	The chin appears to be bigger on the unknown. The jawline appears to have a similar angle/curvature.
QYFHZU	Dissimilar	The jawline looks wider and rounder in the unknow.
R273NE	Dissimilar	Gonial angles are different, curvatures of jawline are different. Chin shape is different. Known has a more indented line at top of chin than unknown.
TBLBPC	Dissimilar	
U6E77R	Similar	similar shape chin and jawline
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Dissimilar jawline and chin shape. Unknown has a wider jaw and a rounded chin. Known has a narrower jaw and an asymmetrical squared chin.
XQMJNP	Similar	Both subjects have a rounded jawline with a small chin.
XTNLEQ	Unable To Compare	Image B jawline are wider than image A
XYERF8	[Not Reported]	Similarities include: Chin: prominence, Jawline: definition Dissimilarities include: (some may be due to differences in pose in Q & R) Chin: overall shape, length, width relative of rest of face, details Jawline: shape, Gonial angle: shape, definition (R), Asymmetry (flatter portion at base of chin angled down towards subject's R in R1 - not observed in Q1) Not comparable: (due to pose in one or both images) Gonial angle: shape, definition (L)
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Chin/Jawline		Total Participants: 63
Response	Percent Reported	
Similar	12 (19.0%)	
Dissimilar	47 (74.6%)	
Inconclusive	3 (4.8%)	
Unable to Compare	1 (1.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q12: Table 4.12(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar relative neck width; both individuals have prominent neck creases, but they appear different in number and relative location
34T74N	Dissimilar	
3LFL7K	Dissimilar	The known subject has what appears to be a narrower neck than the unknown and the visible creases appear different in their arrangement.
3M7MAM	Dissimilar	Neck wrinkle asymmetry.
4T9DRJ	Dissimilar	creases and marks not in the same position relative to chin.
6JZ4ZJ	Similar	Neck (overall) Width and Height
7B6GQY	Similar	
7PHQBF	Dissimilar	The neck wrinkles between the probe and candidate do not line up.
89T2WX	Dissimilar	The neck lines are different
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The neck of the unknown is wider and more pink in skin tone than that of the known images. The unknown has more neck creases than that of the known image.
9GLTHW	Dissimilar	width is similar, however unknown's appears to widen at the base; length and musculature is dissimilar, as known's is longer and leaner; although both have two prominent curved neck creases, they are dissimilar in location on the neck and proximity with respect to each other, as known's are positioned closer to the base of the neck and are closer together, whereas unknown's are more centralized and have a further distance between the two; unknown has several smaller creases and small freckle-like facial marks dispersed throughout, however known doesn't
9KFMFY	Dissimilar	difference in number/shape/distribution of neck wrinkles present; distance between two more prominent neck wrinkles of Known(1) appear closer in relation to one another than two most prominent neck wrinkles of Unknown(2); higher prominent neck wrinkle of Unknown(2) curves higher/closer to head than upper neck wrinkle of Known(1)
9U4MPG	Dissimilar	Neck appears longer in known
AKVB9D	Dissimilar	long narrow neck, wrinkles present. differnce in crease formations
B2Z6FC	Dissimilar	Creases are different. Unknown has 3 creases on the right side.
BZH38T	Dissimilar	The size of the neck and the wrinkles on the neck are dissimilar.
CKPXLT	Similar	Similar neck height and width.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	more creases visible in unknown that do not appear in known
DA6QFC	Dissimilar	

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Image Set Q12: Table 4.12(m) - Neck

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Neck – Known has a slightly longer neck while Unknown is wider. Unknown has a horizontal crease in the center of neck and one at neck's base while Known 2 horizontal crease in the center of neck that are closer together and does not run across subjects entire neck.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric dimension
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The overall size and shape of the neck appears to be simila. The creases on their necks are different. The
H2WQ96	Dissimilar	Both have creases on neck but creases appear different in position and overall appearance.
HFB7XM	Similar	
HRQ6L4	Dissimilar	similar width; dissimilar muscle tone on left lateral portion.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in shape and size. Dissimilar in details/neck wrinkles.
JL2M67	Similar	
K3KWNM	Dissimilar	Neck is not similar in width/length. Neck wrinkles are not similar in shape/size/location/quantity.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Known has a longer neck with differing lines than unk with shorter neck and wider placed neck lines. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	length of neck is longer in the known, width is wider in the unknown, neck creases are dissimilar, neck has more of a red tint in the unknown, marks on the unknown neck are not visible in the known
LQZ4DH	Not Applicable	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Long, brown hair frames the right side of the face and neck of the unknown image. The neck of the known and unknown images appears to be consistent in length and weight. Known's neck is longer and slimer than unknown. Unknown's neck is shorter and wider. Unknown appears to have a greater volume of soft tissue than known
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Neck appears to have similar creases however dissimilar in location and quantity.
PRMQFV	Dissimilar	Length of the neck is similar. Creases in the neck are somewhat similar, similar in prominence but dissimilar in spacing and unknown has less prominent crease on the right side of the neck not found on the known. Unknown has what appears to be a facial mark on the left side of the neck, not found on the known.

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Image Set Q12: Table 4.12(m) - Neck

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	relative thickness of the necks appear to differ with the unknown appearing to have a thinner neck relative to the size of the face - creases are seen on both subjects necks that do not appear to line up in similar locations
PWHKDW	Dissimilar	neck creases are different. known has a longer neck.
PWYRHE	Dissimilar	The neck is long, while the other is short, and the folds differ.
PX9LGZ	Dissimilar	The neck on the unknown image seems wider.
PY46H2	Dissimilar	unknown- broader
Q49MUY	Similar	
QTWDAF	Dissimilar	The neck appears to be thicker on the candidate. There are neck wrinkles on both subjects however they are in a different arrangement.
QYFHZU	Similar	
R273NE	Dissimilar	Contouring in middle of neck is different. Neck line positions and curvatures are different.
TBLBPC	Similar	
U6E77R	Similar	similar width and length, horizontal neck lines
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Unknown's hair is partially covering the left side of the neck. Unknown's neck is more narrow than the width of the face. Known's neck is almost as wide as the width of the face. Somewhat similar length. Dissimilar creases and lines.
XQMJNP	Dissimilar	Both subjects have a longer neck. Known has two horizontal facial lines on the neck. Unknown has three horizontal facial lines on the neck, with the middle line only being on the right side.
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Dissimilarities include: Overall neck: details Not comparable: (due to obstructions in one or both images) Overall neck: width, height, Laryngeal prominence: shape, size, prominence, location - not observed
XYJ9D7	Similar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Neck		Total Participants: 63
Response	Percent Reported	
Similar	14 (22.2%)	
Dissimilar	46 (73.0%)	
Inconclusive	1 (1.6%)	
Unable to Compare	0 (0.0%)	
Not Applicable	2 (3.2%)	

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Image Set Q12: Table 4.12(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed on either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	[Not Reported]	Upper lip hair is more prominent in Pic B, while patchier in the other ,Density and distribution are not similar.
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Not Applicable	
AKVB9D	Similar	slight fuzz on cheeks/jawline
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Similar	some facial hair visible above upper lip in both
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	N/A
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither has facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q12: Table 4.12(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	Neither known nor unknown has visible facial hair.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Not Applicable	not evidence
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q12: Table 4.12(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	Not Applicable	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	Not clear
XYERF8	[Not Reported]	Facial hair not observed in Q & R.
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q12 Facial Hair

Total Participants: 62

Response	Percent Reported
Similar	2 (3.2%)
Dissimilar	1 (1.6%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	57 (91.9%)

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Image Set Q12: Table 4.12(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	
3LFL7K	Dissimilar	The nasolabial creases on both appear similar. However, aside from the differences in the marionette lines and neck creases, the periorbital creases and inferior palpebral creases are also different in appearance.
3M7MAM	Dissimilar	Discrepancies in nasolabial folds, periocular rhytids, and cervical wrinkles.
4T9DRJ	Dissimilar	
6JZ4ZJ	Not Applicable	No wrinkles
7B6GQY	Similar	
7PHQBF	Dissimilar	The nasolabial folds are visible on both the probe and candidate but they do not appear to be similar in length and depth.
89T2WX	Dissimilar	The wrinkles below the lower lip, at the corners of the mouth, and around the eyes are different
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	Known(1) appears to have more prominent mentolabial sulcus, slightly closer in approx. distance from lower lip; left/right nasolabial folds of Unknown(2) slightly more prominent than Known(1), lower end of curve for Unknown(2) appears to end slightly closer to corners of mouth; other facial lines mentioned elsewhere
9U4MPG	Dissimilar	Lines on neck appears to have different relative positions, also the lines around the eyes in unknown not visible in known, evaluated with some caution
AKVB9D	Similar	age/weight/expression differences. known- right and left infraorbital creases, nasolabial creases originate mid nasal body terminate outside marionette lines, mentolabial sulcus unknown- right and left periorbital lines, right and left inferior palpebral creases, nasolabial creases originate mid nasal body terminate outside marionette lines, mentolabial sulcus
B2Z6FC	Dissimilar	unknown has periorbital creases on both eyes.
BZH38T	Dissimilar	The wrinkles around the neck, mouth and the nasolabial folds are dissimilar.
CKPXLT	Dissimilar	Dissimilar superior and inferior palpebral crease shape, number and placement, crow's feet, infraorbital crease placement, mouth corner dimples, mentolabial sulcus placement and, neck crease number and placement.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	dissimilar throughout features
DA6QFC	Dissimilar	

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Image Set Q12: Table 4.12(o) - Facial Lines

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different dimension
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	Facial lines mentioned above. Also the unknown has crow's feet on the outsides of her eyes and the known does not appear to
H2WQ96	Dissimilar	Unknown has preorbital creases, inferior palpebral creases, and lines at the corners of mouth and the known does not.
HFB7XM	Dissimilar	Similar: medial sulcus slightly inferior left side, Dissimilar: neck lines.
HRQ6L4	Dissimilar	dissimilar marionette lines; dissimilar contour of neck lines, infraorbital furrows; periorbital lines present in unk image not in known image; mentolabial sulcus appears closer to lower lip in known image vs unk image.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar nasolabial folds, infraorbital lines and mentolabal sulcus.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	The unknown has much more prominent periorbital creases though they both have similar nasolabial folds and marionette lines
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	nasolabial lines similar in both but are more defined in unk. Slighter marionette lines in unk than in known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Nasal lines, mentolabial sulcus, wrinkles on neck
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	mentioned in description of eyes.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasolabial folds appear dissimilar in length and shape; others aforementioned.
PRMQFV	Dissimilar	Nasolabial folds found on both subjects in similar locations. Mentolabial sulcus is more prominent on the known. Inferior palpebral creases are dissimilar, in more abundance on the unknown. Marionette lines are longer on the known.
PVM3BV	Dissimilar	mentioned in the eyes, nose, mouth and neck sections above
PWHKDW	Dissimilar	crow's feet in unk do not appear in known, could be due to facial expression
PWYRHE	Dissimilar	Expression lines and nasolabial folds.

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Image Set Q12: Table 4.12(o) - Facial Lines

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	The creases around the eyes, at the corners of the mouth and the nasolabial folds are different.
PY46H2	Dissimilar	neck creases- difference in presence, length
Q49MUY	Similar	
QTWDAF	Dissimilar	The nasolabial lines appear to be of similar length on the subjects but deeper on the unknown however this is likely due to expression change. There appear to be deeper marionette lines on the known. There appears to be more inferior palpebral creases on the unknown.
QYFHZU	Dissimilar	There are right and left preorbital creases and inferior palpebral creases in the unknown whereas none are observed in the known.
R273NE	Dissimilar	Nasolabial line angles and curvatures are different. Other lines discussed in above categories.
TBLBPC	Dissimilar	mentolabial sulcus
U6E77R	Similar	similar right and left nasolabial folds and vertical wrinkles on neck.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Frontal and vertical glabellar lines not noted. Unknown has several periorbital lines and inferior palpebral creases, the Known does not have noticeable periorbital lines and only a couple faint inferior palpebral lines. Dissimilar shape and appearance of Infraorbital creases. Superior palpebral creases are somewhat similar in shape, but Unknown's eyes are hooded and the crease is further from the eyebrows. The Unknown's mentolabial sulcus is further from the lower lip. Nasolabial creases are somewhat similar but Known's appear longer. Known doesn't necessarily have marionette lines, but there is shadowing that follows the path of where marionette lines would be. Dissimilar number and appearance of neck wrinkles.
XQMJNP	Dissimilar	See above descriptions
XTNLEQ	Not Applicable	No wrinkles or folds shown
XYERF8	[Not Reported]	Dissimilarities include: Superior palpebral crease (location and shape), Inferior palpebral crease (location, shape and number of creases), Infraorbital crease (location and shape), Nasolabial crease (length and angle), Marionette lines (length and prominence), Mentolabial sulcus (prominence), Wrinkles on neck (location) Not comparable: (not observed) Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Periorbital lines, Circumoral striae, Cleft chin, Buccal creases, Other creases
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q12 Facial Lines		Total Participants: 62
Response	Percent Reported	
Similar	6 (9.7%)	
Dissimilar	50 (80.6%)	
Inconclusive	2 (3.2%)	
Unable to Compare	0 (0.0%)	
Not Applicable	4 (6.5%)	

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Image Set Q12: Table 4.12(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The acne scars are different
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Not Applicable	
AKVB9D	Not Applicable	none noted
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Unable To Compare	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	None visible
H2WQ96	Not Applicable	No scars observed.
HFB7XM	Not Applicable	

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Image Set Q12: Table 4.12(p) - Scars

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	none observed.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No scars observed on either subject.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Unable To Compare	Can't be compared.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Unable To Compare	
QTWDAF	Not Applicable	
QYFHZU	Not Applicable	
R273NE	Not Applicable	No scars of note.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q12: Table 4.12(p) - Scars

WebCode	Observation	Feature Notes
V7PBGV	Not Applicable	
XPRZMN	Not Applicable	Not noted
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Scars not observed in Q & R
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q12 Scars

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	5 (8.2%)
Inconclusive	1 (1.6%)
Unable to Compare	4 (6.6%)
Not Applicable	51 (83.6%)

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Image Set Q12: Table 4.12(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	both individuals have various other facial marks present on the cheeks and chin that are not annotated above, but appear different in shape, prominence and relative location
34T74N	Dissimilar	
3LFL7K	Dissimilar	There is a noticable makr on the right cheek and another on the left chin of unknown subject which are not replicated on known subject.
3M7MAM	Dissimilar	Facial dyspigmentation asymmetry.
4T9DRJ	Dissimilar	many marks on unknown not on known, freckles on known are not on unknown. unknown mark on right cheek and upper lip are not on known.
6JZ4ZJ	Not Applicable	none
7B6GQY	Similar	
7PHQBF	Dissimilar	The probe has facial marks on the right cheek as well as above the upper lip that does seem to be present on the candidate.
89T2WX	Dissimilar	The acne around the mouth is different
8FP3RH	Dissimilar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	small round mark above mouth of Unknown(2) under the right nostril not present for Known(2); small facial mark present along left nasolabial fold of Unknown(2) not present for Known(1); raised dark/circular facial mark on left side of neck of Unknown(2) not present for Known(1); potential facial mark centered in philtrum of Unknown(2) not present for Known(1)
9U4MPG	Dissimilar	Many differences, but most seems to be temporal
AKVB9D	Similar	known- skin mark right cheek, possible freckles same area, unknownskin mark right cheek, apparent acne chin, upper lip mouth/nose area.
B2Z6FC	Similar	Unknown has more facial marks on the chin and to the right of the philtrum.
BZH38T	Dissimilar	The position of the acne is dissimilar.
CKPXLT	Dissimilar	Dissimilar two textured skin marks on right cheek and under nose, various reddish and potentially transient skin marks from the nose down to the chin, one textured skin mark on left side of chin in the Unknown not visible in the Known. One dark skin mark on the right cheek of the Known not visible in the Unknown.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	dissimilar throughout features
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	

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Image Set Q12: Table 4.12(q) - Facial Marks

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	different freckles
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known has facial marks on her neck, chin, upper lip, and cheek that the known does not appear to have
H2WQ96	Dissimilar	Both have facial marks but most appear to be in different places. The one that appears to be in the same place is different in size.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	dissimilar location of facial marks
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilarities noted on cheeks, chin and nose.
JL2M67	Not Applicable	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Unable To Compare	The known image quality is too washed out for detailed comparison
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	More visible in unk than in known.(dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Dissimilar	
PD3BCW	Not Applicable	none
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Facial marks present on U, not visible in K, may be due to transient/intentional alterations; right cheek may have similar mark in location however size and color appear dissimilar.
PRMQFV	Dissimilar	Facial mark on the unknowns right cheek, not found on the known. Facial marks above the unknowns upper lip, not found on the known. Facial marks on the chin of the unknown, not found on the known. Marks/redness on the knowns right cheek, not found on the unknown.
PVM3BV	Dissimilar	mentioned in the cheeks, mouth and chin sections above
PWHKDW	Dissimilar	None of the faical marks line up with one another
PWYRHE	Dissimilar	Evidence of rosacea
PX9LGZ	Dissimilar	There are pimples and mole-like formations in the lower half of the face, including on the chin on the unknown image, whereas there is a blemish/rosacea visible on the right cheek on the known image.
PY46H2	Dissimilar	unknown- marks on cheek, under nose (time?)

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Image Set Q12: Table 4.12(q) - Facial Marks

WebCode	Observation	Feature Notes
Q49MUY	Similar	
QTWDAF	Dissimilar	Some facial marks on both subjects but they do not appear to be in a similar location or amount.
QYFHZU	Dissimilar	There is a small raised mark on the right lower cheek and right upper lip in the unknown that is not in the known.
R273NE	Dissimilar	Both have little marks on face but not in similar positions.
TBLBPC	Dissimilar	age - more warts
U6E77R	Similar	mark on right cheeks
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Unknown has a mark on the right cheek, below the right nostril, lateral to the left ala, several marks/blemishes on the chin, and freckles on the neck and upper chest. Known has a mark on the right forehead (could be a scar, but unsure), on the right cheek, and several freckles/areas of hyperpigmentation on the upper cheeks.
XQMJNP	Dissimilar	Unknown has a facial mark between the mouth and nose and other marks on the chin. Known has not visible facial marks.
XTNLEQ	Not Applicable	No moles or freckles noted
XYERF8	[Not Reported]	Dissimilarities include: (some may be transient marks) Observed in Q1, not R1 - Mark on mid-R cheek, Marks above upper lip, Marks on chin; Observed in R1, not Q1 - Smaller marks on R cheek
XYJ9D7	Inconclusive	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q12 Facial Marks

Total Participants: 62

Response	Percent Reported
Similar	5 (8.1%)
Dissimilar	49 (79.0%)
Inconclusive	2 (3.2%)
Unable to Compare	1 (1.6%)
Not Applicable	5 (8.1%)

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Image Set Q12: Table 4.12(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	unknown appears to be wearing more makeup
34T74N	Not Applicable	
3LFL7K	Dissimilar	The unknown subject has a nasal piercing on her right nostril, whereas the known subject does not.
3M7MAM	Dissimilar	The known person wears a necklace and earrings, while the unknown person has a right-sided nasal ornament.
4T9DRJ	Dissimilar	peirced nose on unknown not on known
6JZ4ZJ	Inconclusive	wears piercing
7B6GQY	Not Applicable	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The makeup and nostril piercing are different
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	known has ears pierced; unknown has nose pierced and appears to have makeup on
9KFMFY	[Not Reported]	difference in make-up, particularly amount around eyes for Unknown(2); Unknown(2) has nose piercing; Known(1) has ear piercings
9U4MPG	Not Applicable	
AKVB9D	Inconclusive	known peirced ears unknown- ears not visible, pierced right alae, makeup?
B2Z6FC	Dissimilar	Unknown has a pierced nose
BZH38T	Unable To Compare	Cannot be compared due to hair covering it.
CKPXLT	Dissimilar	Dissimilar nose piercing and make-up.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	different hairstyles, makeup present in unknown
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Similar	same physical alterations
FBEYWM	Unable To Compare	
FZRJT8	Not Applicable	None visible
H2WQ96	Dissimilar	Unknown has a nose piercing and known has earlobes pierced.

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Image Set Q12: Table 4.12(r) - Alterations

WebCode	Observation	Feature Notes
HFB7XM	Not Applicable	
HRQ6L4	Unable To Compare	known image has earrings, unk image ears are obscured by hair.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	unknown appears to have makeup on, nose has a piercing
LQZ4DH	Not Applicable	
P6CLXG	Unable To Compare	
PD3BCW	Dissimilar	nose piercing on unknown image and earrings on known image
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Heavier makeup visible on U; piercings in K, not visible for comparison on U; no tattoos present.
PRMQFV	Not Applicable	Known is wearing earrings.
PVM3BV	Dissimilar	hair of the known is pulled back and subject is wearing earrings
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	Expression lines and nasolabial folds.
PX9LGZ	Not Applicable	Pierced ears are visible on the known image, but not on the unknown image.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	
QYFHZU	Inconclusive	Possible right nostril piercing in the unknown.
R273NE	Not Applicable	No alterations of note.
TBLBPC	Dissimilar	nose piercing
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	

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Image Set Q12: Table 4.12(r) - Alterations

WebCode	Observation	Feature Notes
UZ6NFC	Dissimilar	
V7PBGV	Not Applicable	
XPRZMN	[Not Reported]	Unknown is wearing makeup
XQMJNP	Dissimilar	See above descriptions.
XTNLEQ	Not Applicable	No Piercing or tattoo
XYERF8	[Not Reported]	Dissimilarities include: (may be due to differences in styling in Q & R) Possible right nasal ala piercing (indicated by presence of a stud) observed in Q1, not R1 Not comparable: (due to obstructions in Q1) Possible ear lobe piercings (indicated by presence of earrings) observed in R1
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q12 Alterations

Total Participants: 58

Response	Percent Reported
Similar	1 (1.7%)
Dissimilar	21 (36.2%)
Inconclusive	4 (6.9%)
Unable to Compare	5 (8.6%)
Not Applicable	27 (46.6%)

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Image Set Q12: Table 4.12(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Similar	both images have relatively good lighting, though the known is slightly underexposed
CKPXLT	Limitations	Dissimilar	Occlusion, make-up, expression, lighting, pose and noise.
LADNAL	Quality		known image quality is good, unknown quality is also good but has brighter lighting
PWYRHE	imagen superposition	Dissimilar	Different cephalometric planes
XYERF8	Limitations		The images displayed a number of limiting factors including, but not limited to, pose, lighting, expression and image quality conditions. These limited the comparison and the observations that were able to be made.

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Detailed Feature Observations

TABLE 4 - Image Set Q13

Image Set Q13: Table 4.13(a) - Skin

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	skin tone is similar; the unknown appears to have slightly more rough skin texture
34T74N	Similar	
3LFL7K	Dissimilar	Known subject's skin is similar in tone to unknown but seems to be smoother than unknown and have fewer freckles.
3M7MAM	Dissimilar	Differences in skin tone and texture.
4T9DRJ	Dissimilar	
6JZ4ZJ	Similar	overall skin appearance, texture and tone.
7B6GQY	Dissimilar	
7PHQBF	Similar	Skin tones appear to be similar between the probe and candidate.
89T2WX	Similar	The skin tone is similar
8FP3RH	Similar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The known's skin is bumpier/markings while the unknown does not have the raised marks. The known's skin tone is lighter in color than the unknown.
9GLTHW	Dissimilar	texture is somewhat similar, as both appear to be slightly weathered, however known's is uneven around mouth and on chin, which could be due to acne, whereas unknown's is smooth; complexion is similar, with some redness in the cheeks, forehead, and chin areas, however unknown's appears to be slightly more tanned, which could be attributed to differences in sun exposure; unknown's pores are larger/more visible and has numerous freckle-like facial marks dispersed throughout the entire face, whereas the known doesn't; highlighting and shadowing on the contours of the face are dissimilar, indicating that the underlying musculature and bone structure is also dissimilar
9KFMFY	[Not Reported]	both have lighter skin tones
9U4MPG	Similar	
AKVB9D	[No observations reported for this feature.]	
B2Z6FC	Similar	Similar color and luminance.
BZH38T	Similar	Skin tone is similar.
CKPXLT	Similar	Similar skin tone.
CUYZ8T	Similar	
D2QZYQ	Similar	both textured and show reddness in various areas
DA6QFC	Similar	

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Image Set Q13: Table 4.13(a) - Skin

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Skin –Known has fair textured skin with some red undertones and is more blotchy on subjects cheeks and chin area. Known also has acne, textured, and/or dry skin on nose and around mouth area. Unknown has oiler skin than Known with warmer hue concentrated near subjects features and dons freckles and/or facial markings throughout this same region. Illumination in cheeks in subjects' appear to be consistent although Known is wearing glasses obscure this region and is poorly lit for full comparison.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different texture, marks, color, etc.
FBEYWM	Inconclusive	
FZRJT8	Similar	The lighting of the known is darker and uneven, but they both appear to be similar.
H2WQ96	Dissimilar	Tone is similar, but known appears to have eczema.
HFB7XM	Similar	Skin tone and red pigmentation.
HRQ6L4	Similar	similar color and texture.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Similarities in complexion and tone. Dissimilar facial marks and texture.
JL2M67	Similar	
K3KWNM	Similar	Skin is similar in light color and red undertone.
KEBXX2	Similar	Similar tone and texture
KHWG47	Not Applicable	
L7ZVC2	Dissimilar	Skin tones similar. Texture appears smoother in unk than known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	tone is brighter in the unknown but could be due to lighting, unknown has more texture throughout the face, known has patches of red throughout the face
LQZ4DH	Not Applicable	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The skin texture of the known individual is irregular likely due to acne and/or minor scarring. Known's skin tone is lighter and slightly pink, consistent with some slight inflammation. Unknown has a smoother skin surface. The overall skin tone of the unknown individual is a warm pink and more uniform and even than known.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Skin appears similar in overall tonality; skin appears dissimilar in texture.
PRMQFV	Dissimilar	Tone of the skin is fair on both subjects, unknown has a more reddish undertone.

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Image Set Q13: Table 4.13(a) - Skin

WebCode	Observation	Feature Notes
PVM3BV	Similar	skin tone appears to be similar - the texture of the skin appears to be similar as well
PWHKDW	Similar	both white females
PWYRHE	Similar	white complexion
PX9LGZ	Similar	The tone is similar.
PY46H2	Similar	
Q49MUY	Dissimilar	
QTWDAF	Similar	The subjects appear to present with a similar light skin tone with difference in hue which could be due to exposure, imaging conditions, etc. The skin texture appears similar on both.
QYFHZU	Similar	Color and tone are consistent
R273NE	Dissimilar	Skin tone is somewhat similar, texture is a little different, and luminance is different between known and unknown
TBLBPC	Dissimilar	acne
U6E77R	Similar	similar color and texture
U778AU	[No observations reported for this feature.]	
UZ6NFC	Similar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Similar skin tone, dissimilar texture
XQMJNP	Similar	Both subjects are light skinned with red undertones. Known has red patches on cheeks and chin. Unknown is more red all over.
XTNLEQ	Similar	Image A has a pale tone and Image B appears white
XYERF8	[Not Reported]	Similarities: Overall skin appearance: texture, tone
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Similar	

Features Observations Response Summary - Q13 Skin

Total Participants: 60

Response	Percent Reported
Similar	36 (60.0%)
Dissimilar	21 (35.0%)
Inconclusive	1 (1.7%)
Unable to Compare	0 (0.0%)
Not Applicable	2 (3.3%)

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Image Set Q13: Table 4.13(b) - Face/Head Outline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's face appears more squared off in shape especially towards the bottom of the face; the unknown's cranial vault shape appears slightly more flat than the known's
34T74N	Inconclusive	
3LFL7K	Dissimilar	The cranial vault of the known subject appears to be higher than that of the unknown. Also, the shape of the face appears more squared at the jaw than unknown.
3M7MAM	Dissimilar	Facial shape variance.
4T9DRJ	Dissimilar	Shape of known is different, known seems longer.
6JZ4ZJ	Similar	Shape of cranial vault- Portrait contour overall shape of face
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The face outline appears to be different towards the bottom of the face. The candidate looks to have more of an egg shaped face outline compared to the probe.
89T2WX	Dissimilar	The shape is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head outline is dissimilar. The knowns shape is more oblong while the unknowns shape is more rectangular. Both images have full/padded faces but the unknown image has puffier “apple” portion of the upper cheeks than that of the known image.
9GLTHW	Dissimilar	facial shape and size are dissimilar, as known’s is smaller overall and is rounded at the cranium, becomes linear/square-like along the sides, and then rounds out at the chin, whereas unknown’s is more of a uniform oval shape
9KFMFY	[Not Reported]	Unknown(2) appears to have slightly rounder overall shape of face
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- wide oval unknown- rounded oval
B2Z6FC	Dissimilar	Unknown has a more oval face
BZH38T	Dissimilar	The face shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar face shape.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Face/Head Outline – Knowns face outline is boxy with soft edges and Unknown has an oval shaped-head.
EGYH2B	Dissimilar	

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Image Set Q13: Table 4.13(b) - Face/Head Outline

WebCode	Observation	Feature Notes
ELRHHR	Dissimilar	different geometric shape around forehead, chin, cheeks, jawline
FBEYWM	Dissimilar	
FZRJT8	Similar	The face/head outline of both appears to be similar
H2WQ96	Dissimilar	Unknown's face is more oval than known's.
HFB7XM	Dissimilar	Lower half of face outline is squarer for the "known".
HRQ6L4	Dissimilar	dissimilar shape and contour of cranial vault and temporal areas; lower portion somewhat similar but comparison is limited due to unk image smiling expression.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Similar oval shape. Dissimilar facial outline and jawline.
JL2M67	Similar	
K3KWNM	Dissimilar	Face/outline is not similar. Known's outline is rectangular shape. Unknown is more oval.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Known has more triangular shape. Unk has oval shape to face/ cranial vault. (dis
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	top of the head on the known appears to be more narrow and round where the unknown is more square, width appears to be wider in the known, length appears longer in the unknown
LQZ4DH	Dissimilar	Shape of craneal vault, overall shape of face
P6CLXG	Similar	
PD3BCW	Dissimilar	Both known and unknown individuals have a round, heavy set face. The soft tissue of each known and unknown appears plump and full. The contour of the cranial vault of the unknown image is wide and round, narrowing to the jawline and chin. The contour of the head of known image is opposite unknown image in that it is more narrow across the cranial vault and gets wider at the jawline and chin.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Shape of cranial vault appears dissimilar; overall shape of face appears dissimilar.
PRMQFV	Dissimilar	Shape of the head is rounded on both subjects. The knowns head is larger on the known.
PVM3BV	Similar	general shape of the outline of the face appears to be similar between subjects
PWHKDW	Similar	shape/size is similar. no obvious differences.
PWYRHE	Dissimilar	inverted oval and the other square

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Image Set Q13: Table 4.13(b) - Face/Head Outline

WebCode	Observation	Feature Notes
PX9LGZ	Dissimilar	The head on the unknown image is oval-shaped, whereas it is a more rectangle-shaped on the known image.
PY46H2	Dissimilar	known fuller, more square
Q49MUY	Dissimilar	
QTWDAF	[Not Reported]	The face/head outline appears to be more squared on the known. The face appears longer on the unknown however this could be due to the expression change.
QYFHZU	Similar	The overall shape and size are consistent
R273NE	Dissimilar	Known's head shape is a little more suqared on sides and less elongated in bottom half than unknown
TBLBPC	Dissimilar	
U6E77R	Similar	both very round outlines
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar head shape, Unknown's is more oval, Known's is more rectangular.
XQMJNP	Similar	Both subjects have an oval shaped head.
XTNLEQ	Dissimilar	Image A shows an oval shape while Image B appears circular
XYERF8	[Not Reported]	Dissimilarities: Overall shape of the face - Not comparable: Shape of the cranial vault (not visible)
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Face/Head Outline

Total Participants: 61

Response	Percent Reported
Similar	11 (18.0%)
Dissimilar	48 (78.7%)
Inconclusive	1 (1.6%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(c) - Face/Head Composition

WebCode	Observation	Feature Notes
2ZKDG6	Similar	similar facial symmetry; similar facial feature relative size/proportion and location to one another
34T74N	Similar	
3LFL7K	Dissimilar	The spacing of the eyes in relation to the nose on known subject is less distance than unknown. Also, the brow ridge appears to be a greater distance above the eyes on the known than the unknown.
3M7MAM	Dissimilar	Differences in facial feature ratios.
4T9DRJ	Dissimilar	
6JZ4ZJ	Dissimilar	Clarify the difference between Image A and B regarding nose width relative to interpupillary distance Dissimilar distance from nose to upper lip relative to face length between A and B
7B6GQY	Similar	
7PHQBF	Dissimilar	The distance from the top of the forehead to the eyebrows appears to be dissimilar between the probe and candidate. The eyes of the candidate appears to be closer together compared to rh
89T2WX	Dissimilar	The proportions are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Face/head composition appear dissimilar in the placement of the eyes. The unknown's appear closer together than that of the known. The brow placement of the unknown is also wider apart than the brow placement of the known image.
9GLTHW	Dissimilar	configuration, alignment, and size of the visible facial features are dissimilar with respect to each other and their spatial location on the face, as known's features are smaller and closer together, whereas unknown's are larger and spaced slightly further apart; overall location on the face is similar though, as the features of both are positioned primarily in the middle proportion of the face
9KFMFY	[Not Reported]	approx. distance of nasal tip to upper lip appears shorter for Unknown(2) than Known(1)
9U4MPG	Inconclusive	
AKVB9D	Similar	
B2Z6FC	Similar	Facial features are in the same relative position in both faces
BZH38T	Dissimilar	The shape of the head is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose and mouth width relative to the eyes, eyes to eyebrows, eyebrows to hairline, upper lip to nose base and lower lip to chin relative distance.
CUYZ8T	Dissimilar	
D2QZYQ	Similar	
DA6QFC	Dissimilar	

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Image Set Q13: Table 4.13(c) - Face/Head Composition

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Face/Head Composition – Although both individuals morphological features are concentrated in the lower 2/3rd of face, Known's features are closer to subject's midline than seen in Unknown. This results in inconsistent distance between features in subjects.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	some are obscured i.e. glasses
FBEYWM	Dissimilar	
FZRJT8	Similar	The face/head composition appears to be similar
H2WQ96	Similar	Proportions/position of features appears similar.
HFB7XM	Dissimilar	
HRQ6L4	Dissimilar	eyes appear dissimilar in spacing; tip of nose to upper lip dissimilar but possibly due to expression difference; chin to lower lip slightly different length.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar intercanthal and interpupillary distances, overall nose dissimilar, dissimilar mouth fissure and chin
JL2M67	Dissimilar	
K3KWNM	Inconclusive	Face is similar in length/width. Features are placed on the face in a similar fashion. Eyes are placed on the face in a similar position relative to the nose. Intercanthal distance is not similar. Interpupillar distance is not similar. The nose is in a similar position relative to the eyes and mouth. The mouth is in a similar position between the nose and chin.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Known facial features lower on face, lower centered. Unk has higher placed features centered in face. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	eyes appear closer together in the known, distance from eyes to mouth appear closer in the known, distance from nose to mouth appear closer in the unknown but that could be due to expression, distance from mouth to chin appears longer in the unknown but could be due to expression
LQZ4DH	Dissimilar	Proportions/position of features on face
P6CLXG	Dissimilar	Unknown has more space between eyes
PD3BCW	Dissimilar	The features of the known individual appear small in comparison to the facial plane. The known individual has a wide facial area with small features whereas, unknown individual has larger facial features that are placed symmetrically, evenly, and more balanced on the facial plane.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nose in relationship to mouth appears dissimilar; eyes in relation to length of face appears dissimilar; lower lip to chin relative to face length appears dissimilar.

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Image Set Q13: Table 4.13(c) - Face/Head Composition

WebCode	Observation	Feature Notes
PRMQFV	Dissimilar	Nose to mouth distance is closer on the unknown. Distance between the eyes are similar.
PVM3BV	Dissimilar	composition of the facial features appear to differ slightly in relative shape and size of some of the features
PWHKDW	Similar	
PWYRHE	Dissimilar	One is dolichocephalic and the other brachycephalic
PX9LGZ	Dissimilar	The size and relative distances between facial features seem different.
PY46H2	Dissimilar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The features of the face appear to wider on the unknown around the eyes. The vertical alignment appears similar.
QYFHZU	Similar	The facial features placement are similar in each image. The spatial relationship between the eyes, nose, mouth, and ears are consistent.
R273NE	Dissimilar	Features are somewhat closer together on known's face than unknown's.
TBLBPC	Similar	
U6E77R	Similar	similar shape
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Known's features sit lower on the face than the Unknown's. The approximate width of nose relative to eyes is wider in the Unknown than the Known. The approximate distance from chin to lower lip relative to face length is longer in the Unknown than the Known. Eye position relative to face length is higher in the Unknown than the Known.
XQMJNP	Similar	Features are spaced evenly on both subjects.
XTNLEQ	Similar	Observation unclear
XYERF8	[Not Reported]	Similarities: Approximate width of nose relative to eye distances, Eye position relative to face length
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

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Features Observations Response Summary - Q13 Face/Head Composition		Total Participants: 61
Response	Percent Reported	
Similar	16 (26.2%)	
Dissimilar	42 (68.9%)	
Inconclusive	2 (3.3%)	
Unable to Compare	1 (1.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q13: Table 4.13(d) - Hair

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	similar hair color and texture; the unknown has a distinct hair part on the right side of the head; the known has more dense hair growth along the forehead hairline; the shape and prominence of the temporal peak hairline growth appears different
34T74N	Similar	
3LFL7K	Dissimilar	The hair appears to be similar in color, but the texture is different and the styles are a little different.
3M7MAM	Dissimilar	Hairstyle inconsistency.
4T9DRJ	Inconclusive	similar hair color and texture hair part and hair line different.
6JZ4ZJ	Similar	Texture ,Forehead hairline
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Hair color and texture appears to be similar between the probe and candidate. The hairline of the probe and candidate appears to be dissimilar
89T2WX	Similar	The color and the texture of the fine, curly hair are similar
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Similar in hair color but the unknown has the hair pulled back away from the face while the knowns is down and frames the sides of the face. Hair growth at the center of the forehead appears thinner in the unknown image and the shape of the hairline is not consistent. The unknown's hair line is wider across the forehead (likely due to the differing head shapes) Both images appear to have wavy hair.
9GLTHW	Inconclusive	medium brown color is similar; due to differences in styling, length and hair type can't be compared, however known's appears to be curlier and fuller along the hairline; known's appears to thicker, specifically along the forehead hairline, which is evident by unknown's sparse distribution; known's left side hairline is partially covered, however the shape of the right side hairline is similar
9KFMFY	Dissimilar	hair is pulled back/up for Unknown(2) while left down/loose for Known(1); difference in parting of hair, parting on forehead hairline for Unknown(2) is slightly toward to right of center of forehead
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- shoulder length wavy hair, unknown pulled back
B2Z6FC	[Not Reported]	Unknown has thinner hair. Both have similar hair color
BZH38T	Similar	The hair texture and color are similar.
CKPXLT	Dissimilar	Dissimilar hair style, forehead hairline shape and widow's peak in the Unknown not visible in the Known.
CUYZ8T	Similar	
D2QZYQ	Similar	similar in color tone, different hairstyles and part
DA6QFC	Unable To Compare	

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Image Set Q13: Table 4.13(d) - Hair

WebCode	Observation	Feature Notes
EGJRJR	Similar	Hair – Subjects have brown hair with similar hairline and fly away baby hair. Similar hair texture but inconsistent style and distributions. Known has hair down revealing the shoulder length and frizzy nature of wavy hair that lacks consistent pattern. Unknown has hair pinned up so it appears to be a darker brown, lighting may have contributed to this factor, and straighter than Known. Natural hair part are both on subject's right side but location is inconsistent with Unknown located 1/3rd in of left medial eyebrow while Known is 2/3rd of the way in. Unknown has less hair in the front of head allowing for greater scalp visibility which is not the case of Known. hair is receding more than Unknown and is more sparce in center of hairline. Known's baby hair frame subject's forehead which could be a result of styling difference.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different texture and growth pattern i.e. known profile has curly hair
FBEYWM	Similar	
FZRJT8	Similar	The hair color and texture appears to be similar
H2WQ96	Dissimilar	While color and texture appear similar, the unknown appears to have a natural par on the right that the known does not have.
HFB7XM	Dissimilar	Texture is similar, hairline dissimilar.
HRQ6L4	Similar	similar color and density; Length possibly similar but unk image hair is up; texture appears dissimilar.
HUCPQ8	Dissimilar	
HYQFYM	Similar	Similar in color and texture.
JL2M67	Dissimilar	
K3KWNM	Inconclusive	Hair is similar in dark color/texture. Unknown has hair pinned behind the head. Hairline is not similar in shape.
KEBXX2	Dissimilar	Similar color and texture though the unknowns hairline seems to come down further in the middle of the forehead
KHWG47	Similar	
L7ZVC2	Dissimilar	Similar color and texture in known and unk. Hairline comes more to a pointed ellipse in the known than the unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	hair is down in the known and pulled back in the unknown, color is both brow, known has curly hair – not sure about unknown due to hair being pulled back, hairline is hard to say with the hair being down in the known
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	

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Image Set Q13: Table 4.13(d) - Hair

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	The hair of the known image has a more dense quality than unknown image. The texture of known's hair appears to be more coarse than unknown's hair. Known's hair is resting more naturally, it is long and resting along the sides of the head down to the shoulders. Unknown's hair is smoother in texture, very thin/sparse at the hairline, and pulled away from the face. There are lighter tones in the hair of the unknown image that do not appear in the known image. Each appears to have the hair parted to the left. Known has more of a wavy texture to the hair than unknown.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Hair appears similar in texture, dissimilar in color; hairline appears dissimilar in shape; hair style appears dissimilar style, may be due to intentional alterations.
PRMQFV	Similar	Tone of the hair is similar. Curvature of the hairline is similar. Hair is pulled back on the unknown. Texture of the hair appears to be similar.
PVM3BV	Similar	hair color and texture appears to be similar between subjects - hairline may differ but this could be a result of difference in hair part/style
PWHKDW	Similar	both have brown, frizzy hair. hairline is slightly different.
PWYRHE	Not Applicable	There's no way to compare them.
PX9LGZ	Inconclusive	Hairline seems different, whereas hair colour an texture seem similar.
PY46H2	Similar	texture, tone similarities. Hairline similar with limited visibility
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The hairline appears to have a similar point on the top right side. The temple peak appears to be more prominent on the unknown. The hair color appears to be darker on the known however this could be due to grooming or lighting.
QYFHZU	Similar	The hair color and hairline are similar in each image.
R273NE	Dissimilar	Tones and textures are somewhat similar, frontal hairline and sidehairline curvatures and positions are different.
TBLBPC	Similar	
U6E77R	Similar	similar color, texture, curly
U778AU	Inconclusive	
UZ6NFC	Inconclusive	
V7PBGV	Similar	
XPRZMN	Inconclusive	Different hairstyles, somewhat similar color and curly texture. Somewhat similar hairline shape. Hair density at Unknown's hairline is more sparse.
XQMJNP	Similar	Both subjects have brown hair with some curl / frizz texture to it. Known hair is down and shoulder length with curls. Unknown hair is pulled back and frizz is noticeable around the head.
XTNLEQ	Dissimilar	Both have similar hair color and soft texture

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Image Set Q13: Table 4.13(d) - Hair

WebCode	Observation	Feature Notes
XYERF8	[Not Reported]	Similarities include: Hair: texture, density, tonality – Dissimilarities: Forehead hairline: shape, Hairline right side: shape, Hairline left side: shape - Not comparable: Hair: shape/spatial distribution, symmetry, Cranial baldness pattern: shape, distribution (due to styling/ visibility)
XYJ9D7	Similar	
YGARYR	Similar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Hair	Total Participants: 62
Response	Percent Reported
Similar	24 (38.7%)
Dissimilar	24 (38.7%)
Inconclusive	11 (17.7%)
Unable to Compare	1 (1.6%)
Not Applicable	2 (3.2%)

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Image Set Q13: Table 4.13(e) - Forehead

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown has a more broad and prominent forehead that also appears slightly taller in height; similar brow ridge prominence; the known has several faint frontal lines towards the upper portion of the forehead that aren't visible in the unknown
34T74N	Similar	
3LFL7K	Dissimilar	The forehead of known subject appears to be narrower at the top than the unknown subject. The prominence of the forehead is similar on both.
3M7MAM	Dissimilar	Discrepancy in frontal width.
4T9DRJ	Dissimilar	The shape of the cranial vault is different. Marks are different.
6JZ4ZJ	Similar	Forehead shape (Relative height width)
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	Shape of the forehead appears to be dissimilar between the probe and candidate. The candidate looks to have a longer forehead compared to the probe.
89T2WX	Dissimilar	The shape is different
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	The foreheads over all shape is more narrow on the known image while the unknown is more rectangular and wider across the forehead. The unknown has a bump/mark above the left brow that is not present on the unknown images. And the unknown image appears to have a mark/scar above the right brow in the middle of the forehead that is not consistent with the known.
9GLTHW	Dissimilar	overall shape and size are dissimilar, as known's is dome-like in shape, taller, and narrower, whereas unknown's is shorter, wider, and more of a rounded rectangular shape; smooth musculature and curved contour are similar, however known's is rounded to a greater degree, whereas unknown's is more of a subtle curvature; known has a pinkish-brown colored, irregular shaped facial mark/scar on the left side of the forehead that is not present on the unknown; unknown has some minute pink pigmented scar-like marks on the right side of the forehead that are not present on the known; known has two small, raised, pink colored facial marks above the right brow, and unknown has one above the middle of the brows that are not visible on the other; unknown's brow ridge is slightly more prominent than known's
9KFMFY	Dissimilar	what is visible of frontal lines for Known(1) appears dissimilar to Unknown(2)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- high, rounded, more narrow at upper hairline, unknown- wide , rounded
B2Z6FC	Dissimilar	Hair line is different on the left side.
BZH38T	Similar	The width and length of the forehead are similar.
CKPXLT	Dissimilar	Dissimilar forehead width and height.

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Image Set Q13: Table 4.13(e) - Forehead

WebCode	Observation	Feature Notes
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	mark visible in known that does not appear in unknown
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Forehead – Subject's have a dome shaped forehead that protrude slightly with Known's being narrow compared to Unknown. Known has a freckle, mole, and/or mark in the middle of forehead above left eyebrow in line with subject arch. Known also has a bump and/or pimple above right eyebrow in line with subject iris. Center of Unknown's hairline is illuminated and oily compared to the rest of forehead. Known also has Known has two thin faint horizontal crease concentrated to the middle of forehead near hair.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric analysis
FBEYWM	Similar	
FZRJT8	Dissimilar	The overall size and shape of the forehead is similar, the hairline is similar. The known has a facial mark above her left eye that the unknown does not have. It appears in the image that the unknown's forehead may be more rounded / convexed and the known's forehead appears flatter. The known also appears to have frontal lines that the unknown does not have
H2WQ96	Dissimilar	Known's forehead appears taller and thinner towards the top than the unknown's.
HFB7XM	Dissimilar	Broader forehead in "unknown". Glabella dissimilar in shape.
HRQ6L4	Dissimilar	dissimilar shape and prominence
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in height. Brow line and hairline dissimilar.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Forehead is similar in size but not in shape. Known has facial markings that are not present in the Unknown.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Forehead shape/ cranial vault more pointed in known than unk. More rounded shapes in unk. Frontal lines visible in known not visible in unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mark on the left side of known that is not visible in the unknown, height appears larger in the known, width is wider in the unknown, brow ridge appears to come up higher in the known, frontal lines are slightly visible in the known but not the unknown, marks on unknown that are not visible in the known
LQZ4DH	Inconclusive	

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Image Set Q13: Table 4.13(e) - Forehead

WebCode	Observation	Feature Notes
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Known's forehead is more narrower vertically. Known has visible marks and/or acne that is not visible on the unknown image. The forehead of the known image is narrow and oval shaped at the hairline and wider across the brow ridge. Unknown's forehead is broader, more even in squared shape from the hairline to the brow ridge. Neither individual has any visible forehead creases or lines.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Forehead appears dissimilar in shape/slope/relative height/relative width; brow ridge prominence appears dissimilar.
PRMQFV	Similar	Shape of the forehead appears to be similar. Length of the forehead appears to be consistent. Unknowns forehead appears to protrude more. Luminance of the forehead is dissimilar.
PVM3BV	Similar	general shape and size of the forehead appears to be similar - facial marks appear to be seen on both subjects, but differ in location and size
PWHKDW	Inconclusive	similar shape and size. mole on known that is not in unknown
PWYRHE	Dissimilar	Flat forehead, the other round
PX9LGZ	Dissimilar	The forehead on the unknown image is wider than on the known image. Also the brow ridges are different.
PY46H2	Similar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The forehead appears to be more pronounced on the unknown. The forehead appears to be larger and more squared on the unknown whereas the known is more irregular especially around the temple areas.
QYFHZU	Dissimilar	The forehead looks to be broader in the unknown image and more narrow towards the top hairline in the known.
R273NE	Dissimilar	Known's forehead appears flatter than unknowns, contouring above brow ridges is also different. Known has faint frontal lines not visible on unknown.
TBLBPC	Dissimilar	
U6E77R	Similar	both have large foreheads
U778AU	Inconclusive	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Unknown's forehead is wider and Known's forehead is taller. Brow ridges are not prominent. Based on highlighting, it looks like the Unknown might have a flatter forehead and the Known's might have more curvature.
XQMJNP	Dissimilar	Both subjects have tall foreheads. Known forehead appears more rounded at the top. Unknown forehead is more flat at the top.
XTNLEQ	Similar	Forehead contour not clearly visible
XYERF8	[Not Reported]	Similarities: Forehead shape: slope/contour (overall appearance), Brow ridges: prominence, continuity - Dissimilarities include: Forehead shape: relative height, relative width

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Image Set Q13: Table 4.13(e) - Forehead

WebCode	Observation	Feature Notes
XYJ9D7	Similar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Forehead

Total Participants: 63

Response	Percent Reported
Similar	14 (22.2%)
Dissimilar	45 (71.4%)
Inconclusive	4 (6.3%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(f) - Eyebrows

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known's eyebrows appear longer in horizontal length; the overall shape appears slightly different; the known's medial distance between the eyebrows appears shorter; the vertical distance between the eyebrows and the eyes appears shorter in the unknown
34T74N	Dissimilar	The difference might be because of makeup.
3LFL7K	Dissimilar	The eyebrows on both are thin in style. Known subject has lighter color eyebrows than unknown. Known's eyebrows begin well inside of the medial canthus of the eyes, whereas unknown's eyebrows start outside of the medial canthus.
3M7MAM	Dissimilar	Variations in eyebrow shapes.
4T9DRJ	Dissimilar	The size and shape of eyebrows is different. The known left eyebrow is longer horizontally than the unknown.
6JZ4ZJ	Similar	Dissimilar between A and B shape, size, thinness.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The growth pattern of the eyebrows appears to be dissimilar between the probe and candidate. The thickness of the eyebrows has a slight similarity, but the overall thickness appears to be dissimilar.
89T2WX	Dissimilar	The distance between the eyebrows is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The knowns brows are thinner/less hair and lighter in color. The knowns brows are thinner on the outside end. Approximate relative distance of outer brow to eye lid and lateral canthus appears greater on the known image. The canthus shape of the known image is wider than the unknowns which is pointier. The under-eye lid creases are not consistent.
9GLTHW	Dissimilar	overall shape and thickness is somewhat similar, however length, color, and density distribution are dissimilar, as unknown’s are shorter, slightly darker, symmetrical, and more uniform in density, whereas known’s are longer, a reddish-brown color, asymmetrical in shape and density, as the medial ends are thicker than the lateral ends; approx. distance between the medial ends and distance above the eyes are dissimilar, as known’s medial ends are closer together and brows are positioned higher above the eyes; approx. distance between the hairline and lateral ends appear to be relatively similar
9KFMFY	Dissimilar	approx. distance between medial ends of eyebrows is shorter for Known(1) than Unknown(2); lateral ends of left eyebrow appears slightly further approx. distance from left lateral canthi for Known(1); Known(1) appears to have longer overall curve to eyebrows
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- thin , right eyebrow starts at nasal root, slight curve outwards and down, ending above lateral corner, left starts at nasal bridge, relatively straight then angle down/out ending outside/above lateral corner of eye unknown- thin, both eyebrows start above medial canthus round slightly and end downward, outside/above lateral canthus
B2Z6FC	Dissimilar	Eye color is different. Known has a left eyebrow that medially ends on the nasal root. Unknown has a slight brow ridge that is only visible on the lateral side of the eyebrows

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Image Set Q13: Table 4.13(f) - Eyebrows

WebCode	Observation	Feature Notes
BZH38T	Dissimilar	The shape of eyebrows is dissimilar.
CKPXLT	Dissimilar	Dissimilar eyebrows shape, size, density and distribution.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	color appears similar, but shape and contour does not appear consistent, known thinner on lateral sides
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Eyebrows – Even with Known wearing glassed obscuring view of some of eyebrow it is apparent that the distance between eyebrow is inconsistent, as is eyebrows angle, hair distribution, and shape . Hair color, arch angle and distance to eyes appear is also dissimilar in subjects. Unknown has straight eyebrows that are thicker with evenly distributed hair throughout and are asymmetrical with the right eyebrow appearing shorter than left. Known appears to have thin eyebrow hairs, a left arch come is sharper, that trail off in lateral region.
EGYH2B	Similar	
ELRHHR	Dissimilar	different geometric measurement, length, position, density, texture, and color
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The known's eyebrows are closer together and lighter in color
H2WQ96	Dissimilar	Unknown's eyebrows appear shorter than the known's. Eyebrow shape and distance between the eyebrows appear different as well.
HFB7XM	Dissimilar	Distance to eyes, inter medial distance.
HRQ6L4	Dissimilar	dissimilar length, positioning, and contour.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in color and texture. Dissimilar in shape.
JL2M67	Dissimilar	
K3KWNM	Inconclusive	Eyebrows are similar in size/color/location. Not similar in shape/ distance between.
KEBXX2	Dissimilar	Eyebrows on the known seem longer, thinner and start closer to the nose - could be due to styling
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Eyebrows in both known and unk have been groomed. Eyebrows in known extend further towards nasal root in known than in unk. Eyebrows overall shorter and slightly thinner in unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is more brown in the unknown, the known almost looks like they are drawn on, distance apart is dissimilar – known is closer together, distance to eyes is shorter in the unknown, known are longer
LQZ4DH	Dissimilar	Right and left eyebrow
P6CLXG	Inconclusive	

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Image Set Q13: Table 4.13(f) - Eyebrows

WebCode	Observation	Feature Notes
PD3BCW	Dissimilar	Known's eyebrows are straighter and follow the natural contour of the brow ridge. Known's brows are thin, long and extend past the medial and lateral ends of the eye. Unknown individual's eyebrows are shorter in length and appear slightly more dense.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyebrows appear dissimilar in shape/length/angle/width apart, may be due to intentional alterations/grooming.
PRMQFV	Dissimilar	Thickness of the eyebrows are dissimilar, thinner on the known. The tone of the knowns eyebrows are lighter. The distance between the eyebrows is dissimilar, closer on the known. The tails of the eyebrows end in similar locations. Distance from the brows to the eyes is closer on the unknown. Growth pattern is consistent throughout on both subjects.
PVM3BV	Dissimilar	brows differ in length and contour along brow ridge - thickness of hair growth and color appear to be similar between subjects
PWHKDW	Dissimilar	unk's eyebrows are shorter than known's in lenght, but slightly thicker.
PWYRHE	Dissimilar	In one image they're longer, and in the other they're shorter.
PX9LGZ	Dissimilar	The shape, texture and colour of the eyebrows are different.
PY46H2	Dissimilar	similar length, unknown more space between
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The eyebrows appear to be wider on the known. The medial portion of the brows appear to be fuller than the lateral on both subjects. Overall the knowns brows appear to be thinner and closer together.
QYFHZU	Dissimilar	The eyebrow length in the unknown appears to be shorter than in the known. The eyebrows in the known also look to be more peaked in the center than in the unknown.
R273NE	Dissimilar	Known's eyebrows are closer together than unknown's. Curvatures of brows are different with known having a higher peak in left brow. Starting positions at medial ends are different.
TBLBPC	Dissimilar	
U6E77R	Similar	similar thinness and shape, lateral eyebrow vertical end position is similar in left and right eye
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar; note - Known's brows might be enhanced and reshaped with cosmetics. Known's eyebrows are wider relative to eye size. Lateral eyebrow vertical end position is lower than the medial eyebrow vertical position in Unknown and Known. Vertical end position of lateral eyebrow is further from the lateral canthus in the Known. The horizontal end position of the medial eyebrow is lateral to the medial canthus in the Unknown; the known's medial eyebrow is much closer to the midline. Dissimilar shape, Unknown's brows are more flat with a slight downward rounded curve towards the tail, Known's brows have a sharper downward angle.

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Image Set Q13: Table 4.13(f) - Eyebrows

WebCode	Observation	Feature Notes
XQMJNP	Dissimilar	Both subjects have thin eyebrows. Known eyebrows are close together in the middle and have a sharper angle where they curve. Unknown eyebrows are spaced further apart in the center and have a gentle curve to them.
XTNLEQ	Inconclusive	Facial shape indeterminate
XYERF8	[Not Reported]	Similarities: Density of hair (overall) - Dissimilarities include: Shape, Size, Position, Hair details, Asymmetry - Not comparable: Conjoined (not observed)
XYJ9D7	Similar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Eyebrows	Total Participants: 63
Response	Percent Reported
Similar	4 (6.3%)
Dissimilar	55 (87.3%)
Inconclusive	4 (6.3%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(g) - Eyes

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	different eye color with the unknown appearing to have green eyes and the known appearing to have more hazel eyes; relatively similar overall size and shape of the eyes; both individuals have prominent superior palpebral creases, but the shape towards the lateral ends appears different; the unknown has more prominent crow's feet creases; the shape, location and prominence of the inferior palpebral creases appears different; the shape of the left medial canthus appears different
34T74N	Inconclusive	Similar if one image is mirrored, dissimilar otherwise.
3LFL7K	Dissimilar	The eyes of the known subject are darker in color than unknown. The known's eyes appear to be more level with the medial canthus and lateral canthus at about the same level. The unknown's medial canthus sits lower than the later canthus. Also, the creases under the eyes differ in appearance.
3M7MAM	Dissimilar	Asymmetrical periocular rhytids.
4T9DRJ	Dissimilar	different color slightly, shape different and creases around eyes not the same, much closer to actual eye on know than unknown.
6JZ4ZJ	Dissimilar	iris color
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The shape of the medial canthus of the left eye appears to be dissimilar. The shape of the lateral canthus of the eyes appears to be dissimilar. The overall shape of the eyes appears to be dissimilar between the probe and candidate. It's possible that the eye colors are dissimilar between the probe and candidate. Not too confident due to the lighting around the eyes of the candidate.
89T2WX	Dissimilar	One wrinkle is similar, but some other wrinkles are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The knowns eye shape is almond and wider than that of the unknown's. The coloration of the eye appears dissimilar with the knowns coloring being more hazel and the unknown's being blue. The interior palpebral crease on the unknown image is fuller and has more creases under the lower lids than that of the known image.
9GLTHW	Dissimilar	approx. intercanthal and interpupillary distance are dissimilar, as known's is less than the unknown's; degree of hoodedness and shape of superior palpebral crease are similar, however the periorbital creases are dissimilar in shape, size, length, prominence, quantity, and location; known's upper lashes appear to be longer and denser; overall eye shape and size are similar; inferior palpebral and infraorbital creases are dissimilar in location, shape, length, and depth
9KFMFY	Dissimilar	dissimilar shape/curve of left/right inferior palpebral creases; left/right medial canthi appear dissimilar in shape, left medial canthus of Known(1) appears to have slightly wider/rounder shape; right sclera toward right lateral canthus of Unknown(2) has more of a reddish/pinkish tint while Known(1) appears white
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- narrow set symmetric unknown- wide,deep set eyes, right and left periorbital lines

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Image Set Q13: Table 4.13(g) - Eyes

WebCode	Observation	Feature Notes
B2Z6FC	Dissimilar	Unknown has a very rounded medial canthus and also has periorbital creases. Both have a superior palpebral crease. Unknown has 3 lower eye lid creases that follow the curve of the eye.
BZH38T	Dissimilar	The shape and size of the eyes are dissimilar.
CKPXLT	Dissimilar	Dissimilar eye and fissure shape, size and angle, medial and lateral canthus shape and size, iris diameter relative to eye opening, visible sclera, superior and inferior palpebral crease shape, number and placement, eyelid density and iris color.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	multiple creases around eye which do not appear consistent in curvature and relationship
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Eyes – Known appears to have hazel eyes while Unknown appears to be blue that sit in deeper orbital cavity. Known is wearing glasses which hinders view of subjects' eye preventing analysis but appears to have shorter distance from lower lids to superior palpebral crease to eyebrows compared to Unknown. Unknown has larger lower eyelids than Known who has more inferior palpebral creases.
EGYH2B	Similar	
ELRHHR	Dissimilar	different eye shape, eye size, eye spacing, color, pupil shape and size, eyebrow position relative to eyes, and distance between lenses
FBEYWM	Inconclusive	
FZRJT8	Dissimilar	The known is wearing glasses, but it appears that her eyes are darker than the unknown .
H2WQ96	Dissimilar	Eye color is different and the unknown appear to have redness on the outer corner of the right eye which the known does not have.
HFB7XM	Dissimilar	Reversed asymmetry in medial canti, colour.
HRQ6L4	Dissimilar	dissimilar color; dissimilar thickness of lower eyelids.
HUCPQ8	Similar	
HYQFYM	Dissimilar	Overall fissure dissimilar, dissimilar inferior palpebral crease and infraorbital crease.
JL2M67	Inconclusive	
K3KWNM	Dissimilar	Eyes not similar in shape/color. Known's appears more brown. Unknown appears more greenish. Eyes are similar in location. Medial canthus is not similar in size/shape. Lateral canthus is similar in size/shape. Superior palpebral crease is similar in size/shape/location. Inferior palpebral crease is not similar in size/shape/location. Periorbital crease is not similar in size/shape.
KEBXX2	Inconclusive	Eyeglasses obscure the upper lids of the known
KHWG47	Similar	
L7ZVC2	Dissimilar	Color of eyes slightly different in unk with more blue than in known. Left occipital in known splaced slightly higher from midline in known. While known is wearing glasses, eyes appear placed closer to each other than is unk. (dis)

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Image Set Q13: Table 4.13(g) - Eyes

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	color is dissimilar, sclera size is dissimilar, shape is dissimilar, size is dissimilar, crows feet are present in the unknown but not so much in the known, superior and inferior palpebral creases are dissimilar in size/location, mark under the right eye in the unknown that is not visible in the known
LQZ4DH	Dissimilar	Right and left fissure opening, right and left medial and external canthus
P6CLXG	Dissimilar	Unknown has dissimilar iris nevi
PD3BCW	Dissimilar	The orbital eye socket and eyeballs of the known image are larger in overall size than the unknown image. The eye's of known and unknown are different in color with the unknown's eye's appearing to have more of a blue hue than known. Known has a slight upward appearance to the lateral canthus. The palpebral fissure height of the unknown image is smaller than known. Known's eyes are rounder and more symmetrical than unknown. the intercanthal distance of the unknown image is greater than the known image.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Eyes appear larger in size in K, eyes appear similar in shape; eyeball prominence appears dissimilar; color of iris appears dissimilar, may be due to lighting; inferior palpebral creases appear dissimilar in quantity/location/depth; right superior and left superior palpebral creases, from what is visible, appear similar in shape; more periorbital eyelid area in K; lateral canthi appear to slope downward in K; sclera appears more red in color on U.
PRMQFV	Dissimilar	Prominence of the upper eyelids are similar. The shape of the eyes appear to be similar. Shape of the medial canthus is dissimilar, more pointed on the unknown. Color of the eyes are dissimilar, brown on the known and blue on the unknown. Unknowns right eye is red towards the corner, not found on the known.
PVM3BV	Dissimilar	eyes appear to be similar in relative size and shape - orbital socket appears to differ slightly with the known having a more protrusive brow ridge - medial canthus of the eyes differ in shape - unknown appears to have crows feet that are not seen on the known - inferior palpebral creases differ in shape
PWHKDW	Dissimilar	unk's eyes appear blue and known's appear green or hazel. lines under the eyes are not the same. shape of the eye is different
PWYRHE	Dissimilar	The light greens in the image showing acne scars on the face are darker.
PX9LGZ	Dissimilar	Eyecolour is different. Also the left eye on the unknown image seems smaller than the right one, whereas this asymmetry is not visible on the known image.
PY46H2	Dissimilar	Known wider (expression?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The eyes appear to be closer together on the known. The medial canthi appear to be downturned in the known but not as much in the known. The inferior palpebral creases appear to be higher and more angled on the known. The periorbital creases appear to be more present in the unknown however this could be due to expression or aging.

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Image Set Q13: Table 4.13(g) - Eyes

WebCode	Observation	Feature Notes
QYFHZU	Dissimilar	The subject in the known is wearing eyeglasses however, most of the eye features can still be observed. The interpupillary distance seems wider in the unknown. The unknown has blue eyes and the known has brown. The inferior palpebral crease and lower eyelid are larger and more pronounced in the unknown.
R273NE	Dissimilar	Eye shapes are different. Under eye line positions are different
TBLBPC	Dissimilar	
U6E77R	Similar	similar intercanthal distance,
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Overall eye shape is somewhat similar. Unknown's eye fissure is wider. Dissimilar medial canthi shape, Unknown's medial canthi are shorter, Known's medial canthi are longer and more pointed. Superior palpebral furrow is visible in both, but the shape is dissimilar. Known has a larger and more pronounced periorbital eyelid area. Unknown has a more pronounced lower eyelid. Dissimilar appearance and number of inferior palpebral creases. Iris color is dissimilar.
XQMJNP	Dissimilar	Known eyes appear bigger than unknown. Known has two distinct facial lines under the left eye. Unknown has one facial line that splits / feathers into multiple lines under the left eye. The other facial lines around eyes are also different between the subjects.
XTNLEQ	Dissimilar	Intercanthal distance and eyelids not visible
XYERF8	[Not Reported]	Similarities: Eye fissure opening: angle, Upper eyelid: prominence, protrusion, visibility of superior palpebral crease, position in relation to iris/pupil, Lower eyelid: prominence, protrusion, visibility of inferior palpebral crease, Iris: visibility, diameter relative to eye opening, Lateral canthus: shape, angle – Dissimilarities: Intercanthal distance, Interpupillary distance, Eye fissure opening: angle, Lower eyelid: position in relation to iris/pupil, Sclera: visibility, Iris: position relative to eye opening, Medial canthus: caruncle, shape, angle, Asymmetry - pupil and eye placement - Not comparable: Upper and lower eyelid: lash characteristics, Iris: irregularity of iris
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Inconclusive	

Features Observations Response Summary - Q13 Eyes

Total Participants: 63

Response	Percent Reported
Similar	4 (6.3%)
Dissimilar	54 (85.7%)
Inconclusive	5 (7.9%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(h) - Cheeks

WebCode	Observation	Feature Notes
2ZKDG6	Inconclusive	the unknown appears to have more full cheeks, but difference could be due to expression difference
34T74N	Similar	
3LFL7K	Dissimilar	Known subject's cheeks are less full and prominent than unknown subject.
3M7MAM	Dissimilar	Different degrees of cheeks prominence.
4T9DRJ	Dissimilar	cheeks of unknown are much puffier although some of this could be due to expression.
6JZ4ZJ	Inconclusive	Can't compare because picture B is smiling
7B6GQY	Similar	
7PHQBF	Dissimilar	The fullness of the cheeks appears to be dissimilar between the probe and candidate. But there is a difference in the facial expression between the two images. The probe is smiling which could contribute to the fuller cheeks.
89T2WX	Inconclusive	The color distribution is similar, but the shape is different, with some differences due to different expressions
8FP3RH	Dissimilar	
8ZX32H	Similar	
93ZDEX	Dissimilar	Cheeks of the unknown image are fuller and wider than that of the known image. The nasal crease that extend from the sides of the nostrils of the unknown image appear deeper set than that of the unknown. The known image has several facial markings that are present that are not on the unknown image.
9GLTHW	Dissimilar	overall shape and size are similar, however unknown's are significantly fuller than known's, even when factoring in differences in expression; although both have redness in this area, it is dissimilar in overall appearance
9KFMFY	[Not Reported]	cheeks are more lifted for Unknown(2) than Known(1)
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- wide full, flat cheeks unknown- wide full rounded cheeks
B2Z6FC	Similar	Similar cheek prominence. No dimples
BZH38T	Dissimilar	The cheek shape around the cheekbone area is dissimilar.
CKPXLT	Inconclusive	Similar cheek bone minimal prominence. Dissimilar soft tissue fullness.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	more curvature in unknown but may be due to expression
DA6QFC	Inconclusive	

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Image Set Q13: Table 4.13(h) - Cheeks

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Cheeks – Known has flat cheeks that are blotchy and skin appears rougher in this region as well. Unknown has fuller rounder cheeks with numerous freckles, moles, and/or marks on checks that are not present in Unknown than Known. Both subjects have asymmetrical nasolabial folds with one in 'tent' like fashion and the other is comma shaped. The tent nasolabial fold is visible from Knowns left ala inconsistently with it being visible from Unknowns right ala.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in shape and fat distribution
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The unknown is smiling so her cheeks are more rounded than the known's.
H2WQ96	Dissimilar	Cheekbones appear more pronounced in the unknown.
HFB7XM	Inconclusive	
HRQ6L4	Dissimilar	unk image has smiling expression; slightly fuller lower cheeks in known image.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Dissimilar in texture and fullness.
JL2M67	Dissimilar	
K3KWNM	Similar	Cheeks are similar in size/shape. Unknowns appear more prominent due to smiling expression.
KEBXX2	Similar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Difference of expression between known and unk. Unk has fuller cheeks. Higher cheekbones in unk than in known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	cheeks appear fuller in the unknown due to expression, cheeks are longer in the known, marks on known do not match the marks on the unknown cheek
LQZ4DH	Inconclusive	
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Known's cheeks appear wide and flat. Known individual appears to have a slight pitted texture to the cheeks. The cheeks of the unknown image are fuller, tissue mass is more dense, and the skin is smoother.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Cheekbones appear dissimilar in prominence; soft tissue appears dissimilar in shape and fullness.
PRMQFV	Dissimilar	Fullness of the cheeks are rounded and more prominent on the unknown, possibly due to the difference in expressions.
PVM3BV	Dissimilar	cheeks differ in fullness with the unknown having more full and rounded cheeks

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Image Set Q13: Table 4.13(h) - Cheeks

WebCode	Observation	Feature Notes
PWHKDW	Inconclusive	due to facial expression, difficult to compare.
PWYRHE	Dissimilar	The cheekbones are more prominent than in the other image.
PX9LGZ	Dissimilar	The cheeks are more chubby on the unknoen image.
PY46H2	Dissimilar	Unknown cheeks fuller, more prominent (expression?)
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The cheeks appear to be fuller on the unknown. The cheeks appear to start wider on top and get thinner on the unknown however on the known they appear to be more squared off. Cheekbones do not appear prominent on either subject.
QYFHZU	Inconclusive	The cheeks in the unknown look more pronounced in the unknown however, it could be from smiling.
R273NE	Dissimilar	Unknown's cheek are more pronounced though she is smiling which would cause them to pop out. Both known and unknown have indentions in similar reas on both cheeks. Known's cheeks appear flatter at top and contour down differently than unknown.
TBLBPC	Similar	
U6E77R	Similar	similar prominent, round cheeks
U778AU	Inconclusive	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Inconclusive	Unknown is smiling, which impacts the cheek area appearance. Unknown's cheek area is full and rounded, Known's cheek area is squared and flat. Cheek bones are not prominent.
XQMJNP	Dissimilar	Unknown cheeks are rounder and more full. This could be due to expression change - large open mouth smile on unknown.
XTNLEQ	Dissimilar	Observation not clear
XYERF8	[Not Reported]	Dissimilarities: Cheekbone prominence, Cheek shape - Not comparable: Dimples (not observed)
XYJ9D7	Dissimilar	
YGARYR	Inconclusive	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Cheeks

Total Participants: 62

Response	Percent Reported
Similar	8 (12.9%)
Dissimilar	39 (62.9%)
Inconclusive	14 (22.6%)
Unable to Compare	1 (1.6%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(i) - Nose

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown appears to have a slightly more wide nasal root; similar nasal bridge width, but the known has a slightly more prominent/defined nasal bridge; the unknown has a more broad and bulbous nasal tip shape; the unknown appears to have a slightly more wide overall nasal tip shape; the unknown appears to have slightly larger nostrils; the unknown's columella appears slightly wider than the known's; the shape and prominence of the nasolabial folds appears different
34T74N	Dissimilar	
3LFL7K	Dissimilar	The known subject has a narrower nose with less prominent nostrils and a smaller columella. The tip of the nose on known is much smaller than unknown.
3M7MAM	Dissimilar	Nasal morphological discrepancy.
4T9DRJ	Dissimilar	nose of known is much smaller and petite compared to unknown.
6JZ4ZJ	Dissimilar	A appears to have a more prominent nasal bridge, while Subject B shows a different nasal contour, The nasal tips show different shapes A appears to have a different tip configuration compared to Subject B, Image A nasal root appears broader in the frontal view.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The shape of the nasal base could be similar if the camera angles were similar. The shape of the alas appears to be similar. The length of the nasal body appears to be dissimilar. The probe seems to have a shorter nasal body compared to the candidate.
89T2WX	Dissimilar	The shape is different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The bridge of the known’s nose is thinner and more straight in the known image. The nostrils of the known appear slightly upturned and the shape is not consistent with that of the unknown. The nostrils of the unknown are wider and more pronounced, and the tip of the unknown is wider and bulky at the tip. The columella of the known image appears not as wide as the unknown’s.
9GLTHW	Dissimilar	noses are completely dissimilar, as known’s is smaller in all aspects; unknown’s nasal root is wider and shallower; known’s nasal body is narrower and linear in shape, whereas unknown’s is concaved on either side; nasal base is dissimilar, as unknown’s is wider; known’s nasal tip is smaller and angled up, whereas unknown’s is larger, thicker, and overhangs, concealing the columella; ala shape, thickness, and alignment location with respect to the columella are dissimilar; nostrils are dissimilar in alignment, shape, symmetry, and size; nasolabial folds appear to be somewhat similar in location, shape, and proximity, however unknown’s are more prominent due to expression difference
9KFMFY	Dissimilar	nasal tip of Known(1) is more lifted, appears thinner than nasal tip of Unknown(2) which appears wider/more bulbous; Known(1) appears to have sharper/more narrow curve to shape of nostrils while Unknown(2) appear wider/rounder
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- narrow nasal root/body, narrow,upturned round tip unknown- wide nasal root, narrow nasal bridge and wide pointed nasal tip. base

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Image Set Q13: Table 4.13(i) - Nose

WebCode	Observation	Feature Notes
B2Z6FC	Dissimilar	Unknown has a more round nasal tip compared to the known's pointed nasal tip. Unknown appears to have a wider nasal body
BZH38T	Dissimilar	The shape of the nasal tip is dissimilar.
CKPXLT	Dissimilar	Dissimilar nose body, tip, base, columella, nostrils and alae shape, size, angle and asymmetry.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	shape of nose tip and nose bridge thinner in known image, nostril curvature dissimilar
DA6QFC	Dissimilar	
EGJRJR	Dissimilar	Nose – Inconsistent length and width of nasal body in subjects. Unknown has a wider nasal body than Known with rounded nasal tip that protrudes past nasal base. Known has a thicker right ala than left but overall both are still thinner than ala seen in Unknown.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different in height, tip shape, nostril width, geometric shape
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The known is facing the camera and her nostrils are angled more upward , and the unknown's nostrils are angled more level with the camera. The nasal root and body of the known appear more narrow, ,and the unknown's nasal root and body are wider. The unknown appears to have wider alas, but she is also smiling
H2WQ96	Dissimilar	Nasal root, nasal body, nasal base, and columella appear wider in the unknown.
HFB7XM	Dissimilar	Tip of nose, bridge of nose.
HRQ6L4	Dissimilar	dissimilar width and prominence of nasal root and body; dissimilar shape and prominence of nasal tip, and width of nasal base.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilar nasal root, body, tip and base.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Nasal root is not similar in shape/size. Nasal body is not similar in size/shape/thickness/curvature. Nasal tip is not similar in shape/size/curvature. Known's nasal body much smaller. Unknown has facial marking on the body that are not present in the Known. Ala are not similar in shape. Nostrils are similar in shape. Columella is not similar in size. Nasolabial folds are not similar in shape/size/location. Known has facial markings that are not present in the Unknown.
KEBXX2	Dissimilar	The nasal base and the nostrils are more visible on the known
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Broad nasal root in unk. Thinner nasal root in known. More upturned nose in known. More full nasal bulb in unk. Longer nose in known than in unk. Wider nose at ala in unk than in known. (dis)
L8289G	[No observations reported for this feature.]	

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Image Set Q13: Table 4.13(i) - Nose

WebCode	Observation	Feature Notes
LADNAL	Dissimilar	length appears longer in the known, nasal base is wider in the unknown, nostrils appear larger in the unknown, nasolabial folds are dissimilar, nasal root is narrower in the known, marks on the unknown nose are not present in the known, ala thickness is dissimilar, columnella is thicker in the unknown, tip of nose is narrower in the known
LQZ4DH	Dissimilar	Nasal outline, root, body, tip, base, alae, nostrils
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	The nose of the known individual is narrower with a more defined nasal tip. The ala on the known individual are less flared and the nasal base is more compact. The nasal bridge is higher, straighter and more narrow than the unknown image. Unknown has a broad nose with a rounded tip. The ala of unknown's nose are wide which contributes to a wider nasal base. The nasolabial creases are inconsistent in shape, size and placement between known and unknown images.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasal root appears wider from what is visible in U; nasal body is more narrow in K; nasal base wider in U; nasal tip more bulbous in U; columella appears dissimilar in width; nostrils appear dissimilar in shape and size.
PRMQFV	Dissimilar	Length of the nasal body is dissimilar, shorter on the unknown. Width of the nasal body is dissimilar, wider on the unknown. Tip of the unknowns nose is more bulbous. Curvature of the nostrils are wider on the unknown. Thickness of the unknowns columella is thicker.
PVM3BV	Dissimilar	nose differs in regards to the nasal tip being more rounded on unknown compared to the pointed nasal tip of the known - columella of the unknown appears to be thicker along with the ala - nasolabial folds differ in prominence and angle - facial marks seen on both subjects that do not appear to line up in the same location around and on the nose
PWHKDW	Dissimilar	known's nose is longer and tip is smaller. unk's nose appears much shorter and tip is wider.
PWYRHE	Dissimilar	Nose tip pointing down, the other pointing up
PX9LGZ	Dissimilar	The overall shape and size of the nose is different.
PY46H2	Dissimilar	length, shape of bulb
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The nasal root is flat and triangular on the unknown but indented and thinner on the known. The nasal body appears to be hourglass shaped on the unknown but more triangular on the known. The nasal tip appears to be wider and more bulbous on the unknown. The nostrils appear to be wider on the unknown however the change in the expression could be contributing to this difference. The ala appear to be thick on both subjects.
QYFHZU	Dissimilar	The overall shape and size is larger in the unknown. In the unknown, the nasal root, tip, base and columella are wider. The unknown also has larger nasal openings.
R273NE	Dissimilar	Width at nasal root is different with unknwons being wider. Unknown's width down through body and at base are also wider. Unknown's nasal tip is more bulbous. Ala shapes are different.
TBLBPC	Dissimilar	

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Image Set Q13: Table 4.13(i) - Nose

WebCode	Observation	Feature Notes
U6E77R	Dissimilar	known nasal root is thinner/longer, and nasal tip is pointier, thinner. The nasal base in the unk subject is wider, may be due to smiling.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar. Unknown has a wider nasal root, flatter nasal body, wider nasal base, larger alae, larger more rounded nostrils, and wider columella (note - nasal base and alae could appear wider due to smiling). Known has a more narrow nasal root, taller/more narrow nasal body, rounded nasal tip, smaller alae, smaller triangular nostrils, and a narrow columella.
XQMJNP	Dissimilar	Known has a narrow/ skinny bridge. Known nose base and nostrils are also more narrow. Unknown has a wide short nose --bridge and base.
XTNLEQ	Dissimilar	Nasal tip not well defined
XYERF8	[Not Reported]	Similarities: Nasal outline: shape, length, prominence, Nasal body: width, length, shape, angle, contour (visible portions) Dissimilarities: Nasal outline: width, Nasal tip: shape, angle, Nasal base: width, height, Nasal alae: thickness, shape, Nostrils: shape, size, Asymmetry (nostrils) - Not comparable, Nasal root: width, length, shape, depth, angle, Columella: width, length, relative position, Nostrils: hair (not visible or observed)
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Nose	Total Participants: 63
Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	63 (100.0%)
Inconclusive	0 (0.0%)
Unable to Compare	0 (0.0%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(j) - Ears

WebCode	Observation	Feature Notes
2ZKDG6	[Not Reported]	unable to compare due to hair covering in both individuals
34T74N	Unable To Compare	
3LFL7K	Unable To Compare	
3M7MAM	Unable To Compare	The known person's ears are substantially obscured by hair.
4T9DRJ	Inconclusive	actual ears hard to compare but known looks to have guage ear rings.
6JZ4ZJ	Not Applicable	Due to hair obscuring the ear in both images.
7B6GQY	Dissimilar	
7PHQBF	Unable To Compare	Cannot be compared due to the hair covering the ears of the candidate.
89T2WX	Dissimilar	Obscured by hair, with different earlobes
8FP3RH	Unable To Compare	
8ZX32H	Unable To Compare	
93ZDEX	Unable To Compare	Ears not visible on the known image.
9GLTHW	Dissimilar	unknown's right ear is not visible due to angle and most of the characteristics of the left ear are difficult to see due to lack of protrusion, and the majority of known's ears are covered by the hair, however the portion that is visible, indicates that the degree of protrusion and lobes are dissimilar, as known's are thicker and rounded, whereas unknown's are thinner and elongated; lobe attachment also appears to be dissimilar
9KFMFY	[Not Reported]	difficult to compare details of ears due to angle of head, hair covering most of ears of Known(1); area of left lobe around the piercing of Known(1) appears to have more thickness than Unknown(2)
9U4MPG	Unable To Compare	
AKVB9D	Dissimilar	very little of known ears are visible. large gauges visible in lobe. unknown only left ear is partially visible, pierced ears
B2Z6FC	Unable To Compare	
BZH38T	Unable To Compare	The ears cannot be compared due to the hair covering it.
CKPXLT	Unable To Compare	Occlusion in the Known and Unknown limits the ears visibility and assessment.
CUYZ8T	Dissimilar	
D2QZYQ	Not Applicable	not visible for comparison between two images
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	Ears – Knowns ears are covered by individual hair thus preventing analysis for comparison beyond what appears to thick right detached ear lobe. Both subject's appear to have pierced ears, evident in visible individuals earrings but type, color, and style vary between subjects. Knowns left ear. Known has large ears with attached lobes that's are relatively flat on subject's head with slight protrusion of helix recurve.
EGYH2B	Dissimilar	

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Image Set Q13: Table 4.13(j) - Ears

WebCode	Observation	Feature Notes
ELRHHR	Unable To Compare	not visible
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	Their right ears are not visible in the images. The known's left ear is flared outward from her head, and the unknown's left ear is tucked alongside her head.
H2WQ96	Unable To Compare	Ears are mostly covered by hair in the known and not much of the unknown's ears are visible.
HFB7XM	Dissimilar	Lobe thicker in "known".
HRQ6L4	Inconclusive	mostly obscured by hair; partial visibility of left earlobe appears dissimilar.
HUCPQ8	Unable To Compare	
HYQFYM	Unable To Compare	Known image mostly obscured by hair.
JL2M67	Not Applicable	
K3KWNM	Unable To Compare	UNABLE TO COMPARE DUE TO HAIRSTYLE
KEBXX2	Unable To Compare	
KHWG47	Unable To Compare	
L7ZVC2	Inconclusive	inconclusive. Hairstyle prevents comparison.
L8289G	[No observations reported for this feature.]	
LADNAL	Unable To Compare	ears are covered by the hair in the known images therefore cannot be compared
LQZ4DH	Not Applicable	
P6CLXG	Inconclusive	
PD3BCW	Unable To Compare	mostly covered by hair in both images. Known and unknown appear to be wearing earrings. Details are not in common or visible for comparison.
PGNVGZ	Unable To Compare	
PKLEJY	[Not Reported]	Left and right lobe appear to have piercing in both.
PRMQFV	Unable To Compare	Unable to compare, mostly covered on the known and only the left ear is visible on the unknown.
PVM3BV	Unable To Compare	ears of known are not visible for comparison
PWHKDW	Unable To Compare	not enough information for comparison to be made
PWYRHE	Dissimilar	It shows a stuck-on lobe, and in the other image, a large, open lobe.
PX9LGZ	Unable To Compare	Hair is covering the ears on both images.
PY46H2	Unable To Compare	
Q49MUY	Inconclusive	

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Image Set Q13: Table 4.13(j) - Ears

WebCode	Observation	Feature Notes
QTWDAF	Dissimilar	The right ear is not able to be compared. The left ear appears to have a larger angle of protrusion on the known. The earrings on the unknown could be gages which is not consistent with the earring holes on the unknown. The lobe appears to be thicker on the known.
QYFHZU	Unable To Compare	Not visible.
R273NE	Unable To Compare	Not enough of similar areas of ears to compare, as known only has bottom portions barely visible, and unknown only has left ear visible
TBLBPC	Unable To Compare	
U6E77R	Unable To Compare	ears for both subjects are hidden by hair
U778AU	Unable To Compare	
UZ6NFC	Unable To Compare	
V7PBGV	Unable To Compare	Obscured
XPRZMN	Dissimilar	Ears are mostly not visible for comparison. Based on the small amount that is visible, Known's ears protrude more from the head, Known's left lobe appears longer and thicker than the Unknown's.
XQMJNP	Unable To Compare	Known ears are mostly covered by her hair. Her ears may be pierced. Unknown left ear is partially visible. Both ears are pierced.
XTNLEQ	Unable To Compare	Image B lacks clarity in the nasal region
XYERF8	[Not Reported]	Not comparable: Details of the ears not compared due to limited visibility/obstruction
XYJ9D7	Unable To Compare	
YGARYR	Inconclusive	
YKTY67	Dissimilar	Left ear (lower part)

Features Observations Response Summary - Q13 Ears

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	14 (23.0%)
Inconclusive	6 (9.8%)
Unable to Compare	36 (59.0%)
Not Applicable	5 (8.2%)

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Image Set Q13: Table 4.13(k) - Mouth

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the unknown's mouth appears slightly larger in size, but could be due to expression difference; the known's upper lip alae appear more sharp in shape and width; the known has a more prominent philtrum; the known's lower lip appears slightly more full in shape; the known has slightly more prominent marionette lines
34T74N	Inconclusive	
3LFL7K	Dissimilar	The upper lip of the mouth on known is larger than that of unknown. Lower lip is about the same size on both. The philtrum on know is more prominent than on unknown. Marionette lines on known are more distinct than unknown.
3M7MAM	Inconclusive	Mouth open in unknown person and mouth closed in known person.
4T9DRJ	Inconclusive	hard to compare due to expression and smille.
6JZ4ZJ	Inconclusive	Lip Position- The smile in the B image changes the natural resting position and shape of the lips, Vermilion Border- Upper and lower lip borders are not show clear in the (A) Pic smiling.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	There is a difference in facial expression. The overall shape of the mouth appears to be dissimilar.
89T2WX	Dissimilar	The shape is similar, but the wrinkles at the corners of the mouth are different, with some differences due to different expressions
8FP3RH	Similar	
8ZX32H	Inconclusive	
93ZDEX	Dissimilar	Differing expressions…the Known image has a closed mouth slight smile expression while the unknown has an open mouth smile. The knowns bottom lip appears slightly fuller than that of the unknown. The vertical creases on the bottom lip of the unknown are not consistent with those on the known image. Distance from under the nose to the top lip appears greater in the known image. The cupids bow portion of the known appears wider and the peaks appear pointier. The creases on the bottom lip are horizontal and vertical on the unknown image and appear only vertical on the known image. The outer edges of the unknown's lip appear to have a downward small/short crease while the known image does not have this crease. The placement and length of the oral commissures of the known image appear longer in the known image.
9GLTHW	Dissimilar	several characteristics can't be compared due to the expression difference, however lip color and thickness appear to be relatively similar; approx. distance between lower lip and mentolabial sulcus is dissimilar, as unknown's is greater; mentolabial sulcus shape and length are dissimilar, as known's is curved and shorter, whereas unknown's is relatively linear in shape and longer; unknown has a facial mark below right side of lower vermillion border, above left corner, and directly above right side of the upper vermillion border, that are not present on the known
9KFMFY	[Not Reported]	difference in expression, mouth is open with upper teeth visible in smiling expression for Unknown(2) while Known(1) has mouth closed in more neutral expression; Unknown(2) appears to have sharper v-shape to cupid's bow while Known(1) appears less pointed
9U4MPG	Dissimilar	

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Image Set Q13: Table 4.13(k) - Mouth

WebCode	Observation	Feature Notes
AKVB9D	Dissimilar	difference in expression limit comparisons known- upper vermillion border, slight cupid's bow narrow fissure. unknown wide fissure (expression?)no vermillion border thin
B2Z6FC	Dissimilar	Unknown has a thin upper lip that is barely visible towards the lateral sides of the mouth.
BZH38T	Unable To Compare	The mouth cannot be compared because one person is smiling.
CKPXLT	Dissimilar	Dissimilar mouth, fissure and mouth corners overall shape and size, upper and lower lip shape and size and, Cupid's bow shape.
CUYZ8T	Inconclusive	
D2QZYQ	Dissimilar	upper lip thinner in unknown image, nasolabial creases appear dissimilar
DA6QFC	Inconclusive	
EGJRJR	Dissimilar	Mouth – Faint philtrum appears to be shallow leading into Known's thin upper lip. Known's lower lip appear to be of the same thickness as upper lip between a straight fissure. Unknowns' lips are thin and are not as pink as those seen in Known. Subject has a freckle, mole, and/or mark below bottom lip on the right side.
EGYH2B	Inconclusive	
ELRHHR	Dissimilar	different shape and texture
FBEYWM	Dissimilar	
FZRJT8	Inconclusive	The unknown is smiling and the known's expression is neutral. The vermilion boarder and cupid's bos is difficult to compare due to expression difference. The known appears to have marionette lines that the unknown does not have.
H2WQ96	Similar	Similar in shape and size, but difficult to compare due to difference in expressions.
HFB7XM	Inconclusive	
HRQ6L4	Inconclusive	unk image has smiling expression; vermillion borders appears dissimilar but could be due to expression;
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Fissure and lip details appear dissimilar.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Vermillion border is not similar in size/shape. Lips are similar in thickness. Unknown has facial markings that are not present in the Known. Unknown is smiling and showing teeth. The Known is not. Marionette lines are similar in location but not similar in shape.
KEBXX2	Dissimilar	Due to the differences in facial expression, the overall shape is hard to compare. The Known seems to have a more prominent philtrum and more of a cupid's bow on the upper lip but this could be due to the differences in expression.
KHWG47	Dissimilar	Facial Expression
L7ZVC2	Dissimilar	Distance from mouth to nose greater in known than unk. Vermillion line more defined/different in known. Mouth in unk set higher on face in unk. (dis)

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Image Set Q13: Table 4.13(k) - Mouth

WebCode	Observation	Feature Notes
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mouth is open with teeth showing in the unknown where the know has mouth closed, upper lip appears to be thinner in the unknown, bottom lip appears to stick out more in the known but that could be due to the expression difference, creases in bottom lip are dissimilar, vermillion borders are dissimilar, marionette lines are dissimilar, mark above upper lip on the left side in the known is not visible in the known nor is the mark below the bottom lip on the right side, cupid bow is dissimilar, philtrum is dissimilar
LQZ4DH	Dissimilar	Overall shape, upper lip, Filtrum, lower lip, labial commissure
P6CLXG	Inconclusive	
PD3BCW	Dissimilar	Known's lips are moderately full, with a relatively flat cupid's bow. The corners of known's mouth are neutral or slightly downward. Known's facial expression is neutral with no visible smile lines or nasolabial fold prominence. Unknown's lips are also full but more defined, with a more distinct cupid's bow. The corners of unknown's mouth curve slightly upward, consistent with a broad smile. The nasolabial folds of unknown individual are more prominent, mostly due to the expression.
PGNVGZ	Inconclusive	
PKLEJY	[Not Reported]	Distance from nasal base to upper lip appears longer in K, may be due to expression; philtrum appears more defined in K; upper vermillion border appears dissimilar in shape; upper lip appears dissimilar in fullness; lower lip appears dissimilar in fullness and asymmetry; texture of lips appear dissimilar; tone appears dissimilar, may be due to makeup; mentolabial sulcus appears dissimilar in size and depth.
PRMQFV	Dissimilar	Lips are similarly thin on known and unknown. There is a difference in expressions. Known has a prominent philtrum, not found on the unknown. Creases on the lips are dissimilar.
PVM3BV	Dissimilar	mouth differs in expression - facial marks appear to be seen around the mouths of both subjects but differ in location - general thickness of the lips appears to be similar when considering the difference in expression - creases on the corner of the mouth appear to differ in angle with the known having more downward creases
PWHKDW	Dissimilar	cupid's bow on unk is different than known. Known's is wider
PWYRHE	Dissimilar	The lips are thin and larger. In the other image, the lips are short.
PX9LGZ	Dissimilar	The philtrum seems longer on the known image. Due to the difference in the facial expression, the rest of the mouth area is difficult to compare.
PY46H2	Dissimilar	unknown- thinner (expression?) length of philtrum
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The lips appear to be darker on the known however this could be due to lighting, makeup, image quality. The upper lip appears to be thinner and has a smoother contour on the unknown. The lower lip appears to be larger and more asymmetric on the known. The fissure is more bow shaped on the unknown and generally round/flat on the known. The cupids bow is higher and wider on the known.
QYFHZU	Inconclusive	The subject is smiling with lips apart in the unknown and the lips are together in the known. Although the unknown is smiling, it appears that the mouth is wider.

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Image Set Q13: Table 4.13(k) - Mouth

WebCode	Observation	Feature Notes
R273NE	Dissimilar	Mouth fissure curvature is different. Mouth end shapes and downturns are different. Known has small vertical lines on each side of mouth going in similar angles and these arent visible on unknown. Bottom lip shape is different. Known has a visible philtrum not visible on unknown.
TBLBPC	Inconclusive	
U6E77R	Inconclusive	thin upper lip, mouth in unk is stretched due to smiling. Both appear to have overall small mouth. Similar distance from bottom lip to chin
U778AU	Inconclusive	
UZ6NFC	Unable To Compare	
V7PBGV	Unable To Compare	Expression is different
XPRZMN	Dissimilar	Unknown is smiling ("gummy smile", upper lip likely pulling inward), Known has a more neutral expression. Unknown's philtrum is flattened due to smiling. Known's philtrum is narrow and more defined. Unknown's upper lip has a more pointed shape at the bottom of the cupid's bow, Known's is more curved. Unknown's vermillion border is mostly symmetrical. Known's lower lip vermillion border is asymmetrical. Lower lip fullness is similar. Unknown's sulcus is further from the lower lip and flatter, Known's sulcus is closer to the lower lip and curved.
XQMJNP	Dissimilar	Known upper and bottom lips are approximately the same thickness. Known has a wide cupids bow. Unknown upper lip is much thinner than her bottom lip; this could be due in part to the open mouth smile.
XTNLEQ	Similar	Lip structure not clearly visible
XYERF8	[Not Reported]	Similarities: Lower lip: fullness, protrusion – Dissimilarities: Upper lip: shape, fullness, protrusion, upper vermillion border shape, detail, Lower lip: shape, lower vermillion border shape, detail, Asymmetry - Not comparable: Philtrum: prominence, width of ridges, width of furrow, Overall mouth: shape (expression), Lip fissure: shape, degree of contact, angle - due to expression, Dental occlusion: symmetry, degree of contact, Gnathism: expression, degree, Characteristic detail of teeth: shape, size, alignment/position, condition, Mouth abnormalities (not visible/observed in one or both)
XYJ9D7	Unable To Compare	
YGARYR	Dissimilar	
YKTY67	Inconclusive	

Features Observations Response Summary - Q13 Mouth	Total Participants: 62
Response	Percent Reported
Similar	3 (4.8%)
Dissimilar	37 (59.7%)
Inconclusive	18 (29.0%)
Unable to Compare	4 (6.5%)
Not Applicable	0 (0.0%)

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Image Set Q13: Table 4.13(I) - Chin/Jawline

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to have a slightly more broad jawline; the unknown has a more prominent and sharper shaped chin
34T74N	Inconclusive	
3LFL7K	Inconclusive	The chins and jawline of both are similar in shape but unknown's chin appears to extend further than known's.
3M7MAM	Dissimilar	Chin contour asymmetry.
4T9DRJ	Dissimilar	chin of unknown seems concave vs know which sems convex.
6JZ4ZJ	Dissimilar	Chin (frontal view) Both subjects display similar overall chin shape with comparable width relative to the rest of the face ,Chin prominence Similar degree of prominence and projection, Both subjects show comparable symmetrical chin presentation, Jawline has a similar shape.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The contour of the jawline appears to be dissimilar. The shape of the chin appears to be dissimilar as well. The chin of the probe appears to be more flat while the candidate appears to be more rounded.
89T2WX	Dissimilar	The shape is different, with some differences due to different expressions
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The unknown is more rectangular across the chin and jawline area while the known is fuller thru chin and jaw line. The chin of the known image appears more padded/fatter than that of the known image. Under the bottom lip of the unknown image on the right side/upper chin area there are (2) markings that are not consistent with the known image.
9GLTHW	Dissimilar	shape of the jawline is similar, however known's is more defined; height is relatively similar, however width, shape, degree of protrusion, and contour are dissimilar, as known's is round, narrower, and protrudes more, whereas unknown's is wider and a rounded square shape, with a relatively flat contour
9KFMFY	Dissimilar	Unknown(2) appears to have more protruding chin than Known(1), can be more pronounced from expression difference; chin of Unknown(2) appears to have slightly more rectangular u-shape while Known(1) appears smoother in shape
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- angular jawline wide rounded chin. unknown- rounded jawline (expression?), wide flat, double chin
B2Z6FC	Dissimilar	Know has a square gonial angle. Unknown has a square chin
BZH38T	Dissimilar	The chin shape is dissimilar.
CKPXLT	Dissimilar	Dissimilar gonial and jawline shape and angle and, chin shape and size.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	more squared off in unknown image
DA6QFC	Dissimilar	

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Image Set Q13: Table 4.13(I) - Chin/Jawline

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	Chin/Jawline – Soft jawline is consistent in both subject with no sharp angles but Knowns is more defined than Unknown into subjects round chin. Unknown's is square however, protrudes and has a faint creases and/or depression that frames it from subject mouth. Unknown also has a double chin not present in Known.
EGYH2B	Dissimilar	
ELRHHR	Not Applicable	not visible
FBEYWM	Dissimilar	
FZRJT8	Similar	The overall chin/jawline appears similar
H2WQ96	Dissimilar	Known's jaw is wider set and more square. Unknown's chin is more pronounced and seems longer (more distance between chin and lower lip than in known).
HFB7XM	Dissimilar	Jawline squarer and more defined in "known". More horizontal line from jawline to chin in "unknown".
HRQ6L4	Dissimilar	shape and prominence dissimilar; some due to expression.
HUCPQ8	Unable To Compare	
HYQFYM	Dissimilar	Jawline and chin shape dissimilar
JL2M67	Dissimilar	
K3KWNM	Similar	Chin is similar in size/shape. Jawline is similar in size/shape.
KEBXX2	Similar	
KHWG47	Similar	
L7ZVC2	Dissimilar	Jawline more pointed in unk than known. Stronger jawline/chin in unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	mentolabial sulcus is dissimilar, length of chin appears longer in the unknown but could be due to expression, shape is dissimilar, marks on the chin are not similar between the two, jawline appears to be shorter in the known, marks along the known jawline are not visible in the unknown
LQZ4DH	Dissimilar	Chin, Jawlines
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known's chin is rounded and broad, with minimal projection. There is fullness under the chin of known causing the chin and jawline to appear less defined. The chin of the unknown individual is more tapered and pointed, with slightly better projection. There is sharper contour of the unknown's chin and more fullness behind the chin and on the neck.
PGNVGZ	Similar	
PKLEJY	[Not Reported]	Chin appears dissimilar in shape/prominence/size; jawline appears dissimilar in shape/definition/width.
PRMQFV	Similar	Curvature of the chin appears to be similar. The jawline is similarly rounded.

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Image Set Q13: Table 4.13(I) - Chin/Jawline

WebCode	Observation	Feature Notes
PVM3BV	Similar	general shape of the jawline appears to be similar - chin appears to differ with the unknown appearing to having a more prominent chin
PWHKDW	Dissimilar	unk chin is more defined. known's chin a little rounder and wider
PWYRHE	Dissimilar	Different chins: one square and one round
PX9LGZ	Dissimilar	The jawline on the unknown image is wider, whereas the chin seems to be stronger nad more protruding on the known image.
PY46H2	Similar	
Q49MUY	Dissimilar	
QTWDAF	Dissimilar	The chin appears to have more visible weight on the known. The chin appears to be more defined and wider on the unknown. The jawline appears to longer on the unknown. All of these attributes could be due to differences in weight and expression.
QYFHZU	Dissimilar	The chin appears slightly longer in the unknown but, because of smiling it may just appear to be.
R273NE	Dissimilar	Gonial angle is somewhat similar on each side. Chin shape is different with unknown having more squared chin. Both have faint lines at top of chins, but known's is rounded and unknown's is flatter
TBLBPC	Dissimilar	
U6E77R	Similar	Both have square chin, similar width and length.
U778AU	[No observations reported for this feature.]	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Inconclusive	Unknown's jawline angles downward with a more prominent chin. Known's jawline is more broad with a rounded undefined chin (head might be tilted up more, which could contribute to this dissimilarity.
XQMJNP	Dissimilar	Both subjects have a rounded square jawline. Known has a round chin. Unknown has a square chin.
XTNLEQ	Dissimilar	Jawline in Image B appears wider than in Image A
XYERF8	[Not Reported]	Dissimilarities: Chin: overall shape, length, width relative of rest of face, prominence, details, Jawline: shape, definition, Gonial angle: shape, definition - Not comparable: Asymmetry (unable to be determined)
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Inconclusive	

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Features Observations Response Summary - Q13 Chin/Jawline		Total Participants: 62
Response	Percent Reported	
Similar	10 (16.1%)	
Dissimilar	46 (74.2%)	
Inconclusive	4 (6.5%)	
Unable to Compare	1 (1.6%)	
Not Applicable	1 (1.6%)	

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Image Set Q13: Table 4.13(m) - Neck

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	the known appears to have a slightly more wide neck; both individuals have prominent neck creases, but they appear different in shape, prominence and relative location
34T74N	Similar	
3LFL7K	Dissimilar	The necks of both known and unknown are about the same width. The known's neck may be a bit longer. The creases are visible on both and don't appear to correspond.
3M7MAM	Dissimilar	Neck wrinkle asymmetry.
4T9DRJ	Dissimilar	neck of known has more crease lines than unknown. Also known seems taller than unknown for lengthy of neck.
6JZ4ZJ	Dissimilar	Neck overall width and height
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The neck wrinkles of the probe and candidate do not line up between each other.
89T2WX	Dissimilar	The neck lines are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	The neck of the known appears longer and less wide than the unknown's. The unknown appears to have a double chin that is larger than that of the known image. The neck creases of the known image are closer in spacing than that of the unknown image. There are numerous markings on the neck of both images, but none are consistent in placement.
9GLTHW	Dissimilar	width appears to be similar, however length and musculature are dissimilar, as unknown's is shorter and thicker; neck creases are dissimilar as known has two that are prominent, with the upper one bifurcating to the left, and a small distance between the two, whereas unknown has one that is prominent at the top of the neck that bifurcates to the right, and another that is faint at the base of the neck, with a greater distance between the two; facial marks are dissimilar in location and quantity, as known has two beneath the left side of the jawline in a linear formation, whereas unknown has several scattered throughout the right side and middle that vary in pigmentation and size
9KFMFY	Dissimilar	lower visible neck wrinkles visible on Unknown(2) relative approx. distance to upper visible neck wrinkles further in distance than those for Known(1); difference in distance of neck wrinkles relative one another
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- wide full neck unknown short tapered neck
B2Z6FC	Dissimilar	known has a neck crease that spans the entire width of the neck right about the shoulder line. Known also has a double crease right under the chin on the left side
BZH38T	Dissimilar	The length, size of the neck and the wrinkles on the neck are dissimilar.
CKPXLT	Similar	Similar height and width.
CUYZ8T	Dissimilar	

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Image Set Q13: Table 4.13(m) - Neck

WebCode	Observation	Feature Notes
D2QZYQ	Dissimilar	various creases and marks do not appear consistent in location or appearance between images
DA6QFC	Similar	
EGJRJR	Dissimilar	Neck – Faint freckle, mole, and/or mark on seen in line with lateral cantus of left eye where chin meets subjects neck and the underside of chin in Known and Unknown respectively. Unknowns neck is much shorter than Knowns who has two horizontal creases. Known has another freckle, mole, and/or mark enter of freckle, mole, and/or marks halfway between the other and first neck crease. While Unknown has freckle, mole, and/or mark just below subjects only horizontal crease just left of center.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different geometric dimension
FBEYWM	Dissimilar	
FZRJT8	Dissimilar	The size and shape of th enecks appears similar. There are neck creases on both that are different, as well as facial marks on both that are diffeent.
H2WQ96	Dissimilar	Unknown's neck appears shorter and has less creases than known.
HFB7XM	Dissimilar	Lines on neck.
HRQ6L4	Dissimilar	similar width; dissimilar length.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Similar in size. Details dissimilar.
JL2M67	Dissimilar	
K3KWNM	Dissimilar	Neck is not similar in width/length. Neck wrinkles are not similar in shape/size/location/quantity.
KEBXX2	Dissimilar	The known appears to have more and more prominent neck creases
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Neck line creases more visible in known and three lines present inunk while two only in unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	neck creases are dissimilar, marks on the neck are not in the same location between the two, known neck appears to be thicker and longer
LQZ4DH	Inconclusive	
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	Known's neck appears shorter and thicker, with a wide amount of soft tissue under the jawline. There is no visible distinction between jaw and neck due to the fullness in the neck of the known individual. Neck of the unknown individual is longer and more defined. The gonial angle of unknown's jaw is more defined with less soft tissue volume under the jawline. The overall appearance of unknown's neck is more contoured and slender. There are two visible neck lines across known's neck that are not visible on unknown's neck.

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Image Set Q13: Table 4.13(m) - Neck

WebCode	Observation	Feature Notes
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Neck creases present on both, however in dissimilar location/depth/quantity.
PRMQFV	Dissimilar	Width of the neck is dissimilar, wider on the known. Creases in the neck are dissimilar, spacing of the two creases are closer together on the known than the unknowns. Marks on the necks are dissimilar in location, tone, and amount.
PVM3BV	Dissimilar	relative thickness of the necks appear to be similar between subjects - creases and facial marks appear to be seen on both subjects neck but differ in location and shape
PWHKDW	Dissimilar	neck creases are not similar
PWYRHE	Dissimilar	The neck is long, while the other is short, and the folds differ.
PX9LGZ	Dissimilar	The neck seems longer on the known image.
PY46H2	Dissimilar	known longer
Q49MUY	Similar	
QTWDAF	Dissimilar	The neck appears to be asymmetric on the unknown. The width of the neck is likely similar. The neck wrinkles are in a different arrangement, number, and contour.
QYFHZU	Dissimilar	The neck in the known is wider.
R273NE	Dissimilar	Neck lines are different in position number and curvature.
TBLBPC	Similar	
U6E77R	Similar	similar double chin, length. Wrinkles and a red mark are similar.
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Similar	
XPRZMN	Dissimilar	Dissimilar. Unknown's neck is shorter. Known's neck appears wider relative to face width. Both have double chins and prominent neck creases.
XQMJNP	Dissimilar	Both subjects have a low facial line, almost on the chest. Known has two additional facial lines on the neck Unknown has one facial line on the neck. Both subjects have a facial mark on the upper left side of the neck; known facial mark is above the facial line and unknown facial mark is below the facial line.
XTNLEQ	Unable To Compare	Not applicable
XYERF8	[Not Reported]	Similarities: Overall neck: height (overall appearance) - Not comparable: Laryngeal prominence: shape, size, prominence, location, Overall neck: width, details (limited visibility/obstruction)
XYJ9D7	Similar	
YGARYR	Dissimilar	

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Image Set Q13: Table 4.13(m) - Neck

WebCode	Observation	Feature Notes
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Neck		Total Participants: 63
Response	Percent Reported	
Similar	8 (12.7%)	
Dissimilar	53 (84.1%)	
Inconclusive	1 (1.6%)	
Unable to Compare	1 (1.6%)	
Not Applicable	0 (0.0%)	

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Image Set Q13: Table 4.13(n) - Facial Hair

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed in either individual
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No facial hair was found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Similar	Facial hair on right side Facial hair on left side (distribution)
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Not Applicable	
9KFMFY	Not Applicable	
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- none noted. unknown- slight fuzz on jawline/cheeks
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Not Applicable	Not observed.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Not Applicable	
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	Neither have facial hair
H2WQ96	Not Applicable	No facial hair observed.
HFB7XM	Not Applicable	

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Image Set Q13: Table 4.13(n) - Facial Hair

WebCode	Observation	Feature Notes
HRQ6L4	Not Applicable	
HUCPQ8	Dissimilar	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Not Applicable	none
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No facial hair observed on either subject.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Not Applicable	There's no way to compare them.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Similar	There appears to be fine/light facial hair on both subjects.
QYFHZU	Not Applicable	
R273NE	Not Applicable	Neither has facial hair
TBLBPC	Not Applicable	
U6E77R	Not Applicable	
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	

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Image Set Q13: Table 4.13(n) - Facial Hair

WebCode	Observation	Feature Notes
V7PBGV	Not Applicable	
XPRZMN	Not Applicable	None noted
XQMJNP	Not Applicable	
XTNLEQ	Similar	Observation unclear
XYERF8	[Not Reported]	Not comparable: Facial Hair not observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q13 Facial Hair

Total Participants: 62

Response	Percent Reported
Similar	3 (4.8%)
Dissimilar	4 (6.5%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	54 (87.1%)

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Image Set Q13: Table 4.13(o) - Facial Lines

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	nothing additional to those annotated above
34T74N	Dissimilar	
3LFL7K	Dissimilar	The nasolabial folds are more distinct on unknown subject. The periorbital and inferior palpebral creases are also more visible on unknown subject. The neck creases and marionette lines were previously referred to in eye and mouth sections and differ.
3M7MAM	Dissimilar	Discrepancies in nasolabial folds and forehead wrinkles.
4T9DRJ	Dissimilar	much deeper lines on unknown next to nose.
6JZ4ZJ	Dissimilar	Right and left Nasolabial Fold Nasion crease
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	The candidate has faint frontal lines on the forehead, that are not visible on the probe. The left and right inferior palpebral creases on the probe and candidate do not appear to be similar in length and width. The superior palpebral crease appears to be dissimilar in depth. The probe has left and right periorbital creases while the candidate does not.
89T2WX	Dissimilar	Some wrinkles under the eyes and neck lines are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	right nasolabial fold of Unknown(2) curves more out and upward relative to right corner of mouth while Known(1) has more linear curve that curves closer to right corner of mouth; left nasolabial fold of Unknown(2) appears to have more rounded linear curve to left corner of mouth while Known(1) curves down then more to left then to corner of mouth; other facial lines mentioned elsewhere
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- faint frontal lines, nasolabial lines end at corners of mouth/possible marionette lines, inferior palpebral crease unknown- inferior palpebral creases, periorbital lines,nasolabial lines end above corners of mouth curve outward (experssion?) buccal crease
B2Z6FC	Dissimilar	Discussed above.
BZH38T	Dissimilar	The wrinkles around the eyes, neck and the nasolabial folds are dissimilar.
CKPXLT	Dissimilar	Dissimilar inferior palpebral crease shape, size, number and placement, Crow's feet, nasolabial fold shape and placement, forehead crease and marionette lines, neck crease number and placement.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	dissimilar throughout features
DA6QFC	Not Applicable	

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Image Set Q13: Table 4.13(o) - Facial Lines

WebCode	Observation	Feature Notes
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different dimensions and pattern
FBEYWM	Inconclusive	
FZRJT8	[Not Reported]	Facial lines mentioned above
H2WQ96	Dissimilar	Unknown's nasolabial folds are more pronounced than the known's but that could be due to expression. Unknown has periorbital creases and the known does not appear to have them, but known is also wearing glasses and that could be obscuring them. Known has frontal lines not observed in unknown. Both have inferior palpebral creases but they look difference.
HFB7XM	Dissimilar	Inferior palpebral crease, frontal lines.
HRQ6L4	Dissimilar	dissimilar superior and inferior palpebral creases; dissimilar positioning and path of infraorbital furrows; dissimilar positioning and contour of neck lines.
HUCPQ8	[No observations reported for this feature.]	
HYQFYM	Dissimilar	Dissimilar nasolabial folds and infraorbital lines
JL2M67	Not Applicable	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	Both have nasolabial folds but the known has prominent marionette lines and lacks the same periorbital creases - this could be due to the known wearing glasses, a poorer quality image and difference in facial expression
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Stonger nasolabial lines in unk. Weaker nasolabial lines in known. Crows feet around eyes of unk not visible in known. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Infraorbital creases, vertical glabelar line, nasal lines, mentolabial sulcus, wrinkles on neck
P6CLXG	Dissimilar	Neck wrinkles
PD3BCW	Dissimilar	mentioned in feature observations.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Nasolabial folds appear dissimilar in shape/depth, may be due to expression.
PRMQFV	Dissimilar	Known has frontal lines, not found on the unknown. Inferior palpebral creases are more prominent on the unknown. Crows feet found on the unknown, not found on the known. Nasolabial folds are found in similar locations. Marionette lines found on the known, not found on the unknown.

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Image Set Q13: Table 4.13(o) - Facial Lines

WebCode	Observation	Feature Notes
PVM3BV	Dissimilar	mentioned in the eyes, nose, mouth and neck sections above
PWHKDW	Dissimilar	nasolabial creases are different.
PWYRHE	Dissimilar	Expression lines and nasolabial folds.
PX9LGZ	Dissimilar	The lines at the corners of the mouth and eyes as well as under the lower eyelid are different. Also the nasolabial folds and creases on the neck are different.
PY46H2	Dissimilar	nasolabial creases different shape/length, creases to side of mouth on known, chin on unknown, neck on known
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	The nasolabial lines appear to be more angled and asymmetric on the unknown. The known appears to have more visible frontal lines.
QYFHZU	Dissimilar	Left and right periorbital crease are observed in the unknown that aren't in the known. These could be more pronounced as the unknown subject is smiling.
R273NE	Dissimilar	Nasolabial lines are different in their curvatures and depth as unknown's are more prominent. Known's nasolabial lines are more symmetrical and unknown's are assymetrical.
TBLBPC	Dissimilar	
U6E77R	Inconclusive	depth of marionette lines are similar, not a lot to compare
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar appearance of lines and creases. Unknown has periorbital lines and inferior palpebral creases that are made more prominent by smiling. They also have asymmetrical nasolabial creases and two bands of neck creases. Known has ~4 fine transverse frontal lines, periorbital lines, inferior palpebral creases, nasolabial creases, and neck creases.
XQMJNP	Dissimilar	Facial lines around known nose and mouth go from nostrils to corner of mouth; the lines are not smooth, especially the one on the left side. Unknown facial lines around the nose and mouth start at the nostrils and end near the corners of the mouth, with the right side line curving outward and the left side line smoothly ending at the mouth. See above for additional descriptions.
XTNLEQ	Dissimilar	No visible wrinkles or folds
XYERF8	[Not Reported]	Similarities: Superior palpebral crease, Nasolabial crease, Mentolabial sulcus: Dissimilarities: Inferior palpebral crease (locations), Periorbital lines (prominence), Infraorbital crease (prominence), Wrinkles on neck - Not comparable: Frontal lines, Vertical glabellar, Nasion crease, Lateral nasal lines, Bifid nose crease, Circumoral striae, Marionette lines, Cleft chin, Buccal creases, Other creases (not visible or observed in one or both)
XYJ9D7	Inconclusive	
YGARYR	Dissimilar	

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Image Set Q13: Table 4.13(o) - Facial Lines

WebCode	Observation	Feature Notes
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Facial Lines

Total Participants: 61

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	53 (86.9%)
Inconclusive	4 (6.6%)
Unable to Compare	0 (0.0%)
Not Applicable	4 (6.6%)

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Image Set Q13: Table 4.13(p) - Scars

WebCode	Observation	Feature Notes
2ZKDG6	Not Applicable	none observed
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Not Applicable	No scars were found.
4T9DRJ	Not Applicable	
6JZ4ZJ	Not Applicable	none
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Dissimilar	The pitted pores are different
8FP3RH	Dissimilar	
8ZX32H	Not Applicable	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	[No observations reported for this feature.]	
9U4MPG	Unable To Compare	Thin scar next to right marionette line in Questioned image not visible in Reference, not evaluated due image conditions
AKVB9D	Not Applicable	none apparent
B2Z6FC	Not Applicable	
BZH38T	Not Applicable	
CKPXLT	Dissimilar	Dissimilar one small scar-like line under the left mouth corner in the Unknown not visible in the Known.
CUYZ8T	Not Applicable	
D2QZYQ	Not Applicable	
DA6QFC	Not Applicable	
EGJRJR	Dissimilar	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Not Applicable	not visible
FBEYWM	Not Applicable	
FZRJT8	Not Applicable	None visible
H2WQ96	Dissimilar	Unknown appears to have faint lines on chin that may be scars that is not seen on known.

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Image Set Q13: Table 4.13(p) - Scars

WebCode	Observation	Feature Notes
HFB7XM	Not Applicable	
HRQ6L4	Not Applicable	
HUCPQ8	[No observations reported for this feature.]	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	Not Applicable	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Not Applicable	
P6CLXG	Not Applicable	
PD3BCW	Dissimilar	pitted, acne-like marks on known image
PGNVGZ	Not Applicable	
PKLEJY	Not Applicable	
PRMQFV	Not Applicable	No scars found on neither known or unknown.
PVM3BV	Not Applicable	
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	The scars of rosacea.
PX9LGZ	Not Applicable	
PY46H2	Not Applicable	
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	There is a possible scar on the left nasolabial line of the known that isn't present on the unknown. The unknown has a discoloration (orange-ish) under both eyes however this could be natural, makeup, or some kind of scarring.
QYFHZU	[No observations reported for this feature.]	
R273NE	Dissimilar	Unknown has a couple poc scars one on left cheek and one on right side of chin that arent visible on known.
TBLBPC	Not Applicable	
U6E77R	Not Applicable	

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Image Set Q13: Table 4.13(p) - Scars

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	
V7PBGV	Not Applicable	
XPRZMN	Dissimilar	Known has a scar/mark on the left side of the forehead.
XQMJNP	Not Applicable	
XTNLEQ	Not Applicable	
XYERF8	[Not Reported]	Not comparable: scars not observed
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q13 Scars

Total Participants: 60

Response	Percent Reported
Similar	0 (0.0%)
Dissimilar	13 (21.7%)
Inconclusive	2 (3.3%)
Unable to Compare	1 (1.7%)
Not Applicable	44 (73.3%)

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Image Set Q13: Table 4.13(q) - Facial Marks

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	both individuals have prominent facial marks across multiple facial features, but appear different in relative size, prominence and location
34T74N	Dissimilar	
3LFL7K	Dissimilar	One particular dark mark on known's left forehead is not replicated on unknown.
3M7MAM	Dissimilar	Discordant pigmentation abnormalities between facial and cervical regions.
4T9DRJ	Dissimilar	Freckles and marks on unknown are not on known and marks on know are not on unknown on forehead and to the right slightly under nose.
6JZ4ZJ	Similar	Rosacea- color.
7B6GQY	Dissimilar	
7PHQBF	Dissimilar	There is a facial mark underneath the lower lip that is not visible on the candidate. There is also a facial mark above the upper lip of the probe that is not visible on the candidate.
89T2WX	Dissimilar	Some moles are similar, but some moles are different
8FP3RH	Dissimilar	
8ZX32H	Dissimilar	
93ZDEX	Dissimilar	Noted above.
9GLTHW	Dissimilar	previously discussed
9KFMFY	Dissimilar	raised round facial mark below right alae of Known(1) not present for Unknown(2); circular facial mark on forehead toward left hairline of Known(1) not present for Unknown(2); small circular facial mark below mouth toward right corner of mouth of Unknown(2) not present for Known(1); Unknown(2) has presence of more of many faint facial markings over face
9U4MPG	Dissimilar	
AKVB9D	Dissimilar	known- acne/marks around mouth, forehead unknown- freckle below right corner of mouth, bridge of nose , cheeks, freckles/marks on neck
B2Z6FC	Dissimilar	Known has acne. Known has a dark spot on the forehead above the left eye. Unknown has a freckle under the right lower lip.
BZH38T	Dissimilar	The position of the acne is dissimilar.
CKPXLT	Dissimilar	Dissimilar one small reddish skin mark at the middle of the forehead, 1one textured white skin mark above the nose bridge which could be transient, one dark skin mark below the right mouth corner, one dark skin mark above the left mouth corner, dark skin marks on the right and left side of neck, one textured white skin mark on the left side of neck which could be transient in the Unknown not visible in the Known. One dark skin mark on the left side of forehead, two dark skin marks on the left side of neck below the jawline, multiple reddish skin marks across face which could be transient (acne) in the Known not visible in the Unknown.
CUYZ8T	Dissimilar	
D2QZYQ	Dissimilar	dissimilar throughout features

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Image Set Q13: Table 4.13(q) - Facial Marks

WebCode	Observation	Feature Notes
DA6QFC	Dissimilar	
EGJRJR	Not Applicable	As previously mentioned.
EGYH2B	Dissimilar	
ELRHHR	Dissimilar	different pattern
FBEYWM	Dissimilar	
FZRJT8	[Not Reported]	Facial marks mentioned above
H2WQ96	Dissimilar	Unknown has a facial mark above lip on left side and below lip on right side. This is not observed in the known.
HFB7XM	Dissimilar	Left side of neck, similar placement. Placement of other marks dissimilar.
HRQ6L4	Dissimilar	both images contain facial marks but dissimilar positioning.
HUCPQ8	Dissimilar	
HYQFYM	Dissimilar	Dissimilarities noted on cheeks, nose and chin.
JL2M67	Not Applicable	
K3KWNM	Dissimilar	DISCUSSED IN EARLIER SECTIONS
KEBXX2	Dissimilar	
KHWG47	Dissimilar	
L7ZVC2	Dissimilar	Many facial markes seen in known than in unk. Under nose in known and around chin area very visible in known. Corresponding marks not seen in unk. (dis)
L8289G	[No observations reported for this feature.]	
LADNAL	Not Applicable	
LQZ4DH	Dissimilar	Skin marks (size, color and location)
P6CLXG	Dissimilar	
PD3BCW	Dissimilar	mentioned in feature observations.
PGNVGZ	Dissimilar	
PKLEJY	[Not Reported]	Many facial marks present on K, not visible on U, may be transient.
PRMQFV	Dissimilar	Two facial marks above the right eyebrow, not found on the unknown. Facial mark on the left side of the knowns forehead, not found on the unknown. Facial marks around the knowns mouth, not found on the unknown. Two facial marks above the upper lip and under the lower lip of the unknown, not found on the known.
PVM3BV	Dissimilar	mentioned in the forehead, cheek, nose, mouth and neck sections above
PWHKDW	Dissimilar	facial marks on unk are not on known and vice versa. mole below lip on right side in unk; mole on left forehead in known.

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Image Set Q13: Table 4.13(q) - Facial Marks

WebCode	Observation	Feature Notes
PWYRHE	Dissimilar	Evidence of acne
PX9LGZ	Dissimilar	There are some pimples and pigmentation vsible on the unknwn image, whereas there are more acne spots on the known image.
PY46H2	Dissimilar	Acne differences (time?) blemish right side under lips (unknown) not present on known
Q49MUY	Inconclusive	
QTWDAF	Dissimilar	There are facial marks present on both subjects however they differ in location, coloration, and amount.
QYFHZU	Not Applicable	
R273NE	Dissimilar	Both have various marks on face that arent in similar positions
TBLBPC	Dissimilar	
U6E77R	Not Applicable	
U778AU	Dissimilar	
UZ6NFC	Dissimilar	
V7PBGV	Dissimilar	
XPRZMN	Dissimilar	Dissimilar. Unknown has freckles with more prominent marks around the mouth and on the neck. Known has a few marks on the left jawline and neck. Known also has several blemishes.
XQMJNP	[No observations reported for this feature.]	
XTNLEQ	Similar	No moles or freckles observed
XYERF8	[Not Reported]	Dissimilarities: A number of facial marks noted in R1 and Q1 which are not consistent
XYJ9D7	Dissimilar	
YGARYR	Dissimilar	
YKTY67	Dissimilar	

Features Observations Response Summary - Q13 Facial Marks

Total Participants: 61

Response	Percent Reported
Similar	2 (3.3%)
Dissimilar	53 (86.9%)
Inconclusive	1 (1.6%)
Unable to Compare	0 (0.0%)
Not Applicable	5 (8.2%)

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Image Set Q13: Table 4.13(r) - Alterations

WebCode	Observation	Feature Notes
2ZKDG6	Dissimilar	known is wearing glasses
34T74N	Not Applicable	
3LFL7K	Not Applicable	
3M7MAM	Dissimilar	Discrepancies in earring styles and eyewear presence.
4T9DRJ	Dissimilar	looks like the known has guaged ear rings vs normail pericing gold hoops on unknown.
6JZ4ZJ	Not Applicable	none
7B6GQY	Dissimilar	
7PHQBF	Not Applicable	
89T2WX	Not Applicable	
8FP3RH	Not Applicable	
8ZX32H	Not Applicable	
93ZDEX	Not Applicable	
9GLTHW	Dissimilar	known is wearing glasses, unknown has hair pulled up/back, and both have ears pierced
9KFMFY	[Not Reported]	both appear to have pierced ears, Known(1) appears to have stud earrings while Unknown(2) has hoop earrings; Known(1) is wearing glasses
9U4MPG	Dissimilar	Earrings in unknown, possible “expanded/wider holes” in the ears in known. Evaluated with strong caution due partly occlusion and also might be explained by time difference
AKVB9D	Dissimilar	known- glasses, gauges in ears unknown- pierced ears
B2Z6FC	Not Applicable	
BZH38T	Dissimilar	One of the individuals has a earring.
CKPXLT	Dissimilar	Dissimilar glasses visibility in the Known versus the Unknown.
CUYZ8T	Not Applicable	
D2QZYQ	Dissimilar	different hair styles, glasses, jewelry
DA6QFC	[No observations reported for this feature.]	
EGJRJR	Not Applicable	As previously mentioned.
EGYH2B	Not Applicable	
ELRHHR	Dissimilar	different illumination and occlusion
FBEYWM	Inconclusive	
FZRJT8	[Not Reported]	None visible

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Image Set Q13: Table 4.13(r) - Alterations

WebCode	Observation	Feature Notes
H2WQ96	Similar	Both appear to have earlobes pierced.
HFB7XM	Not Applicable	
HRQ6L4	Similar	both images contain earrings but different stlyes.
HUCPQ8	Unable To Compare	
HYQFYM	Not Applicable	
JL2M67	Not Applicable	
K3KWNM	[No observations reported for this feature.]	
KEBXX2	Not Applicable	
KHWG47	Not Applicable	
L7ZVC2	Not Applicable	
L8289G	[No observations reported for this feature.]	
LADNAL	Dissimilar	known image has glasses on
LQZ4DH	Not Applicable	
P6CLXG	[No observations reported for this feature.]	
PD3BCW	Similar	earrings on both known and unknown images
PGNVGZ	Not Applicable	
PKLEJY	[Not Reported]	K appears to have makeup; both appear to have piercings in lobes; no tattoos visible.
PRMQFV	Not Applicable	Known is wearing glasses.
PVM3BV	Not Applicable	known has corrective lenses on
PWHKDW	Not Applicable	
PWYRHE	Dissimilar	Different nasolabial folds
PX9LGZ	Similar	Ears on both images are pierced.
PY46H2	Not Applicable	
Q49MUY	Not Applicable	
QTWDAF	Not Applicable	glasses on the known, earrings on both
QYFHZU	Not Applicable	
R273NE	Not Applicable	No alterations of note
TBLBPC	Similar	earrings
U6E77R	Not Applicable	

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Image Set Q13: Table 4.13(r) - Alterations

WebCode	Observation	Feature Notes
U778AU	[No observations reported for this feature.]	
UZ6NFC	Not Applicable	
V7PBGV	Not Applicable	
XPRZMN	Dissimilar	Known is wearing light eye makeup.
XQMJNP	Dissimilar	Known is wearing glasses.
XTNLEQ	Not Applicable	No piercing or tattoo present
XYERF8	[Not Reported]	Not comparable: Ears pierced in both images, however unable to determine similarities/dissimilarities
XYJ9D7	Not Applicable	
YGARYR	Inconclusive	
YKTY67	Not Applicable	

Features Observations Response Summary - Q13 Alterations

Total Participants: 57

Response	Percent Reported
Similar	5 (8.8%)
Dissimilar	15 (26.3%)
Inconclusive	2 (3.5%)
Unable to Compare	1 (1.8%)
Not Applicable	34 (59.6%)

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Image Set Q13: Table 4.13(s) - Other Features

WebCode	Feature	Observation	Feature Notes
9GLTHW	lighting	Similar	both images have decent lighting
CKPXLT	Limitations	Dissimilar	Occlusion, pose, perspective distortion, expression, alteration and styling.
H2WQ96	eyeglasses	Dissimilar	Known is wearing glasses and unknown is not.
LADNAL	Quality		known image is darker in lighting, good frontal image, unknown is a good frontal image with good lighting
PWYRHE	imagen superpsotion	Dissimilar	Different cephalometric plane

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Additional Comments

TABLE 5

WebCode	Additional Comments
34T74N	Without the knowledge of how long time have passed between the image pairs it is very hard to come to a conclusion on the comparison scale in some cases. E.g. Q3 might have received another answer if we knew how long time have passed between the images.
9U4MPG	A well constructed test with a good variation of image quality and level of difficulty. In our lab we usually use a nine-level scale of conclusion -4 to +4 so in this test we converted this scale to the five-level scale where we grouped +4 and +3 (strong support for common source), +2 and +1 (support for common source), 0 (inconclusive), -1 and -2 and lastly -3 and -4.
B2Z6FC	It would be nice if you could see all of the text in a text box without having to scroll over. It would be nice to see the images on screen just to verify you are entering the correct answers on the correct tab.
DA6QFC	This test was solved by 10 expert personnel. [Names]
HFB7XM	Please note that Probe/candidate and known/unknown is used intermittently. Probe refers to the image with less information available.
JL2M67	For Image Comparison Q 12: Some analysts in our lab reported “Support for different source” based on below mentioned characteristics. Face head outline: Similar in both images. Overall shape of face: Different jawline and chin area. Skin: similar Face head composition: Proportions/position of features on face is different in both images Hair: similar Eyebrows: shape similar in both, however blurred due to low resolution image in known. Eyes: Eyeball prominence not similar, upper eyelid, lower eyelid different, pupil size different, color/pattern of iris different. Eye fissure similar, similar lateral and medial canthus. Nose: Nose shape, root, body, tip and base are different. Nose alae are different, nostrils are also different, Also nose of the unknown image is bent or crooked. Mouth: Philtrum, upper lip, lower lip and sulcus and lip prominence is different. Lip fissure is similar Cheeks: Cheek bone and cheek shape is different Chin/ jawline: Gonial angle and chin is different Facial lines: Nasolabial crease similar, Marionette lines different, Also wrinkles on neck are different. Ears: no information of the ears is available in the unknown image Alterations: piercing on nose on unknown image, (can be attributed to age gap) Age difference is observed between both images
P6CLXG	Another fine CTS test.
PWYRHE	I have used knowledge of forensic physical anthropology the technique of image superimposition considering cephalometric planes using Adobe Photoshop Amped Five
XPRZMN	The CTS-Portal system is Not user friendly. It logs out too frequently without telling you that you've been logged out. The boxes for written information should expand with the text so the user can see all they have typed at one time.

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TABLE 5

WebCode	Additional Comments
XYERF8	This proficiency test was conducted by a group of four examiners from the same agency. We found that as the test was completed and shared as a group that 13 comparisons was a small amount. However we understand that some people would be completing the individually and 13 would be a sufficient amount. We also conducted the previous CTS face test in September 2024 and found the turn around time to this 2025 test very quick, with no feedback from the previous test being incorporated (such as difficulty inputting accurate observations using the radio buttons, or including the images in the test portal to ensure we are inputting the correct results). We suggest that there could be more variation in the types of facial imagery used in the test. There were a high number of high quality frontal images in similar pose. Similarly there were a number of additional frontal images that were just taken blurry. We think the use of images in alternate poses, camera angles, lighting etc. (such as social media images) could add variation and more "realistic" scenarios. Each comparison was conducted outside CTS Test Portal. The similar/dissimilar/etc radio buttons in the test portal were not selected, as many of the facial features had a combination of similar/dissimilar/etc features observed. All observations were input into the free text next to each facial feature. The "Other" field was utilised to input the limitations of each comparison. As per the notes in Q7, this comparison was not conducted due to the quality of the imagery being insufficient to complete an examination, as per our agency procedures. Our agency's conclusion scale is also 5-points and aligns with the conclusion scale used for this proficiency test. For this proficiency test we used our conclusion scale and then translated this to the CTS conclusion scale. Below is our agency's conclusion scale with the corresponding CTS conclusion scale terminology in CAPITAL letters & brackets next to each level. No Support (not the same person): From these images I have formed the opinion that there is No Support for the proposition that the images are of the same person. (STRONG SUPPORT FOR DIFFERENT SOURCE) Limited Support (not the same person): From these images I have formed the opinion that there is Limited Support for the proposition that the images are not of the same person. (SUPPORT FOR DIFFERENT SOURCE) Inconclusive: From these images I have formed the opinion of Inconclusive meaning that there is neither support nor no support for the proposition that the images are of the same person. (INCONCLUSIVE) Limited Support: From these images I have formed the opinion that there is Limited Support for the proposition that the images are of the same person. (SUPPORT FOR COMMON SOURCE) Support: From these images I have formed the opinion that there is Support for the proposition that the images are of the same person. (STRONG SUPPORT FOR COMMON SOURCE)

-End of Report-
(Appendix may follow)

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Collaborative Testing Services ~ Forensic Testing Program

Test No. 25-5571: Facial Identification Examination

DATA MUST BE SUBMITTED BY **June 02, 2025, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A WebCode: 64Q8PX

Scenario:
The following pairs of digital facial images are in need of a manual comparison. Compare each set of paired images and report your findings using the five-point scale provided.

For this test, you are not limited to conducting only on-screen comparisons. However, because of the difference in printing technologies, CTS cannot guarantee the quality of images you print from the digital media.

Items Submitted (Sample Pack FAID - Digital Download):
Items Q1-Q13: Image sets

To verify a complete and accurate download, the hash value for the downloaded .ZIP file is as follows:
25-5571 Facial Identification Comparisons.zip MD5 hash value: 518f36e83aab94457e1be54b2677ec78
25-5571 Facial Identification Comparisons.zip SHA1 hash value: 29db197040ab8779e38e9e350d2e7cece261aadb

Opinion Scale:
Use this opinion scale adopted from 'OSAC 2022-S-0001 Standard Guide for Image Comparison Opinions' to report your findings on the following pages for each pair of images.

Strong Support for Common Source: observed similar characteristics far outweigh the observed dissimilar characteristics. The nature and level of the observed similarities and dissimilarities in image characteristics are much more probable given the proposition that the images depict the same sources than given the proposition that the images depict two different sources.
Support for Common Source: observed similar characteristics outweigh the observed dissimilar characteristics but are insufficient to reach strong support for common source.
Inconclusive: there is insufficient information to form an opinion of common source or different source.
Support for Different Source: observed dissimilar characteristics outweigh the similar characteristics but are insufficient to reach strong support for different source.
Strong Support for Different Source: observed dissimilar characteristics far outweigh the observed similar characteristics or where no distinctive similarities are observed.

Image Comparison Set Q1

Q1-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q1-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q2

Q2-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q2-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q3

Q3-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q3-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q4

Q4-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q4-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q5

Q5-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q5-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q6

Q6-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q6-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q7

Q7-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q7-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q8

Q8-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q8-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q9

Q9-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q9-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q10

Q10-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q10-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q11

Q11-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q11-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q12

Q12-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	S	D	Inc	UC	NA	
Face/Head Outline	S	D	Inc	UC	NA	
Face/Head Composition	S	D	Inc	UC	NA	
Hair	S	D	Inc	UC	NA	
Forehead	S	D	Inc	UC	NA	
Eyebrows	S	D	Inc	UC	NA	
Eyes	S	D	Inc	UC	NA	
Cheeks	S	D	Inc	UC	NA	
Nose	S	D	Inc	UC	NA	
Ears	S	D	Inc	UC	NA	
Mouth	S	D	Inc	UC	NA	
Chin/Jawline	S	D	Inc	UC	NA	
Neck	S	D	Inc	UC	NA	
Facial Hair	S	D	Inc	UC	NA	
Facial Lines	S	D	Inc	UC	NA	
Scars	S	D	Inc	UC	NA	
Facial Marks	S	D	Inc	UC	NA	
Alterations	S	D	Inc	UC	NA	
Other	S	D	Inc	UC	NA	

Q12-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Image Comparison Set Q13

Q13-1.) Presented below are the 19 facial features referenced in the Standard Guide for Facial Image Comparison Feature List for Morphological Analysis E3141-8. Report your finding for each of the listed features and in the free-form space you may briefly expand on the characteristics of each feature. Observational findings abbreviated below are as follows: S=similar, D=dissimilar, Inc=inconclusive, UC=Unable to Compare, and NA=Not applicable.

Feature Observations

Skin	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Outline	○ S	○ D	○ Inc	○ UC	○ NA	
Face/Head Composition	○ S	○ D	○ Inc	○ UC	○ NA	
Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Forehead	○ S	○ D	○ Inc	○ UC	○ NA	
Eyebrows	○ S	○ D	○ Inc	○ UC	○ NA	
Eyes	○ S	○ D	○ Inc	○ UC	○ NA	
Cheeks	○ S	○ D	○ Inc	○ UC	○ NA	
Nose	○ S	○ D	○ Inc	○ UC	○ NA	
Ears	○ S	○ D	○ Inc	○ UC	○ NA	
Mouth	○ S	○ D	○ Inc	○ UC	○ NA	
Chin/Jawline	○ S	○ D	○ Inc	○ UC	○ NA	
Neck	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Hair	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Lines	○ S	○ D	○ Inc	○ UC	○ NA	
Scars	○ S	○ D	○ Inc	○ UC	○ NA	
Facial Marks	○ S	○ D	○ Inc	○ UC	○ NA	
Alterations	○ S	○ D	○ Inc	○ UC	○ NA	
Other	○ S	○ D	○ Inc	○ UC	○ NA	

Q13-2.) Report your comparison opinion for this pair of images using the scale of opinions offered in the drop-down menu (scale description is found on the first page). If this wording differs from the normal wording of your conclusions, adapt these as best you can and use your preferred wording in the Additional Comments.

Additional Comments

Note: *Please use appropriate punctuation to indicate the end of sentences, sections, and statements in the free-form space below. Extra spacing and returns used for separation within your text will not transfer and may cause your information to be illegible in the Summary Report. The use of lists and tabular formats to deliver information is also cautioned against, as these do not transfer.*

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ANAB and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- ○ This participant's data is intended for submission to ANAB and/or A2LA. (Accreditation Release section below must be completed.)
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Have the laboratory's designated individual complete the following steps
only if your laboratory is accredited in this testing/calibration discipline
by one or more of the following Accreditation Bodies.

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Authorized Contact Person and Title

Laboratory Name

Location (City/State)