

Electronic Supplementary Materials

Like father, like child? Paternal age at birth and offspring's facial asymmetry and distinctiveness

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Figure S1. Positions of landmarks and semilandmarks on a face. Landmarks are marked as white filled circles and semilandmarks as black circles.

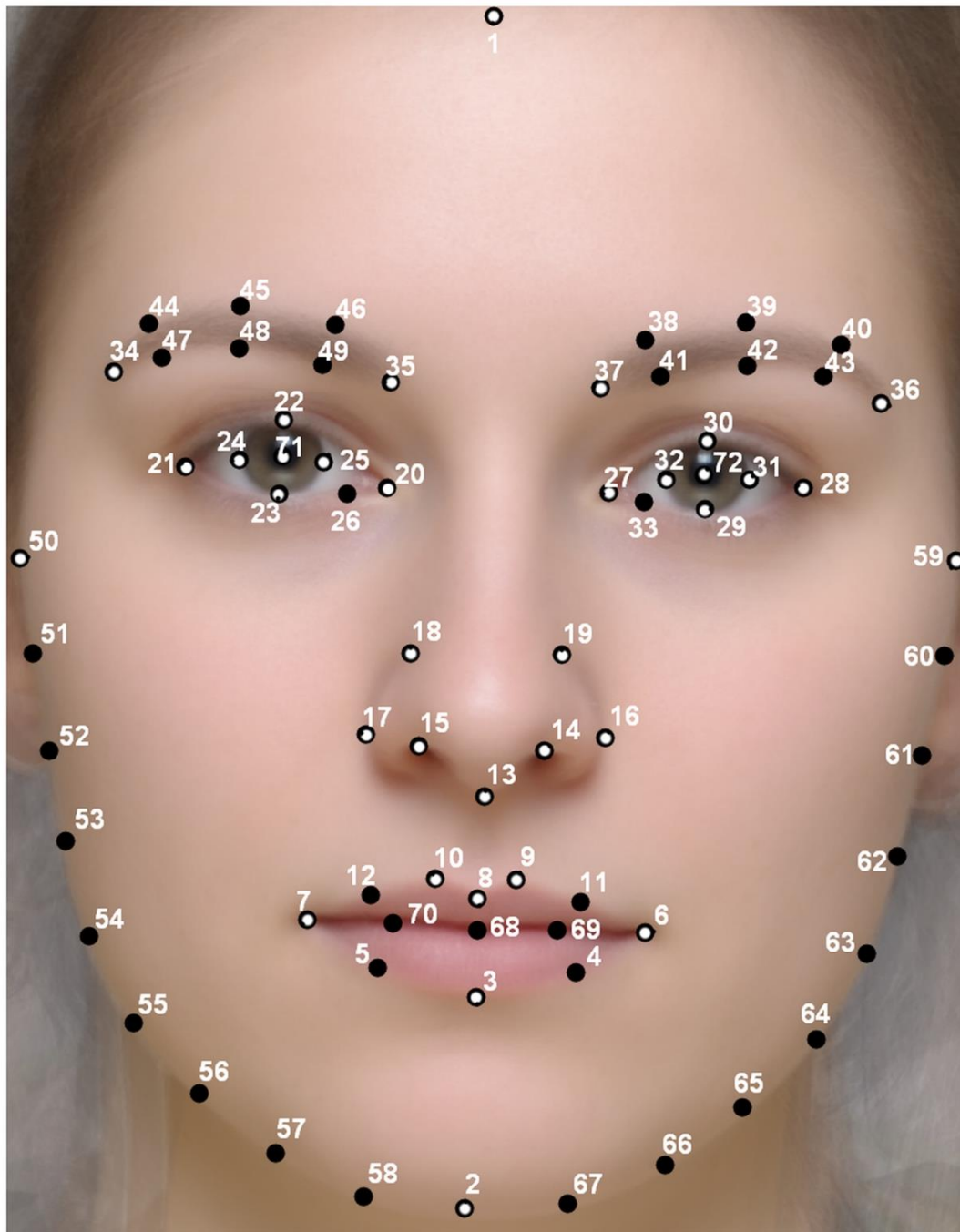


Table S1. The location of each selected landmark on the facial photographs.

1	TRICHION	midpoint of the hairline, that is, on the hairline through the midline of the forehead
2	MENTON	the lowest point of the lower border of the mandible (along the jaw line)
3	LABIALE INFERIUS	the midline point of the lower vermilion line (border of the lower lip)
4,5		the midpoints between LABIALE INFERIUS (3) and CHEILON (9,10)
6,7	CHEILON	the outer corner of the mouth where the outer edges of the upper and lower lip meet
8	LABIALE SUPERIUS	the upper midpoint of the upper vermilion line, a point of maximum local curvature between the christae philtri
9,10	CHRISTA PHILTRI	the point on the crest of the philtrum, the vertical groove in the median portion of the upper lip on the vermilion border
11,12		the midpoints between LABIALE SUPERIUS (8) and CHRISTA PHILTRI (9,10)
13	SUBNASALE	midpoint of the angle at the columella base where the lower border of the nasal septum and the surface of the upper lip meet
14,15	COLUMELLA APEX	highest point of the columella crest at the apex of the nostril
16,17	ALARE	the most lateral point on the ala contour
18,19	ALAE ORIGIN	the most posterolateral point of the curvature of the base of the nasal alae
20,27	ENDOCANTHION	the inner corner of the eye fissure where eyelids meet
21,28	EXOCANTHION	the outer corner of the eye fissure where eyelids meet
22,30	PALPEBRALE SUPERIUS	the highest visible point of the iris
23,29	PALPEBRALE INFERIUS	the lowest visible point of the iris
24,31	Iris Outer Border	the rightmost point of the right iris (leftmost of the left iris)
25,32	Iris Inner Border	the leftmost point of the right iris (rightmost of the left iris)
26,33		the midpoint between ENDOCANTHION (20,27) and PALPEBRALE INFERIUS (23,29)
34,36	SUPERCILIARE LATERALE	the most lateral point of the eyebrow
35,37	SUPERCILIARE MEDIALE	the most medial point of the eyebrow
38-40,44-46	the eyebrow upper curve	three semilandmarks with regular spacing between SUPERCILIARE LATERALE (34,36) and SUPERCILIARE MEDIALE (35,37)
41-43,47-49	the eyebrow lower curve	three semilandmarks with regular spacing between SUPERCILIARE LATERALE (34,36) and SUPERCILIARE MEDIALE (35,37)
50,59	ZYGION	the most lateral point of the zygomatic arch
51-58,60-67	the lower jaw	eight semilandmarks with regular spacing between MENTON (2) and ZYGION (50,59)
68	STOMION	center of the lip crack, lying on the midline between LABIALE SUPERIUS (8) and LABIALE INFERIUS (3)
69,70		the midpoints between STOMION (68) and CHEILON (6,7)
71,72	Pupil	center of the pupil