

S4 Table. Power calculations for polygenic risk scoring

3D facial Euclidean distances in ALSPAC (N=3737)	Minimum Genetic Covariance	SNP heritability (h²) estimate from GCTA (95% C.I.)	Minimum Genetic Correlation between nsCL/P and developmental outcome detectable¹ (95% C.I. from h² estimates)
Distance between subnasale and labiale superius (Nasal-lip)	0.045	0.34 (0.19, 0.49)	0.17 (0.14, 0.23)
Distance between labiale inferius and pogonion (Lip-chin)	0.045	0.21 (0.06, 0.35)	0.22 (0.17, 0.41)
Distance between left and right palpebrale inferius (Mid-point of eyes)	0.045	0.34 (0.19, 0.49)	0.17 (0.14, 0.23)
Distance between left and right alare (Nasal width)	0.045	0.13 [0.00, 0.27)	0.28 (0.19, 1]
Distance between labiales inferius and superius (lip height)	0.045	0.18 (0.03, 0.32)	0.24 (0.18, 0.58)
Distance between left and right crista philtri (philtrum width)	0.045	0.20 (0.05, 0.35)	0.23 (0.17, 0.45)
Distance between left and right cheilion (lip width)	0.045	0.18 (0.04, 0.33)	0.24 (0.18, 0.50)

$$^1 \text{Genetic Correlation}_{AB} = \frac{\text{Genetic Covariance}_{AB}}{\sqrt{h_A^2 h_B^2}}$$