

Table S3 Support $\Delta \ln L$ relative to the best fitting model (IUA) for alternative models of history. Strict divergence (Null), divergence with admixture (IUA) or ancestral population structure (AS). The IUA₂ model allows for different effective sizes in the two ancestral populations. The number of model parameters is shown in brackets. Models were estimated without the Neandertal singletons

Dataset	IUA ₂ (5)	IUA (4)	AS (4)	Null (3)
CEU, 2kb	0	2.6	13.7	13.7
CHB, 2kb	0	1.9	13.9	13.9
CEU, 4kb	0	3.2	29.9	29.9
CHB, 4kb	0	3.4	32.9	32.9
CEU, 8kb	0	17.4	53.3	53.3
CHB, 8kb	0	18.2	52.7	52.7