

Table S4 LSS (Least Sum of Squares) comparing our model to the observed projections, altering the amount of admixture from Neanderthals to non-Africans ($f_{NEA-ANC1}$).

| Test Neanderthal | | | | |
|------------------|-------------|-------------|-------------|--|
| $f_{NEA-ANC1}$ | CEU | CHB | YRI | |
| 0 | 69.51 | 109.74 | 3.32 | |
| 0.01 | 25.02 | 41.76 | 2.51 | |
| 0.02 | 7.88 | 11.34 | 2.11 | |
| 0.03 | 4.33 | 2.74 | 1.34 | |
| 0.04 | 7.03 | 3.91 | 1.19 | |
| 0.05 | 13.34 | 8.79 | 0.95 | |