

chr	Native Am		Euro		African	
	pvalue	bonf_pvalue	pvalue	bonf_pvalue	pvalue	bonf_pvalue
1	0.149298	3.433861	0.166754	3.835332	0.839444	19.307201
2	0.284887	6.552402	0.288854	6.643640	0.920486	21.171173
3	0.307887	7.081406	0.320246	7.365664	0.981713	22.579391
4	0.130842	3.009355	0.239376	5.505640	0.220094	5.062166
5	0.101875	2.343120	0.131133	3.016069	0.894691	20.577892
6	0.924506	21.263648	0.659394	15.166066	0.258486	5.945188
7	0.004913	0.112989	0.030445	0.700238	0.316486	7.279174
8	0.745748	17.152213	0.762473	17.536890	0.008151	0.187465
9	0.792052	18.217205	0.808202	18.588644	0.840988	19.342718
10	0.045311	1.042161	0.350518	8.061906	0.121633	2.797550
11	0.429587	9.880496	0.247190	5.685379	0.239697	5.513038
12	0.566358	13.026237	0.221676	5.098537	0.146793	3.376235
13	0.243050	5.590157	0.222196	5.110512	0.634503	14.593560
14	0.252473	5.806880	0.247170	5.684914	0.974473	22.412889
15	0.594366	13.670407	0.428639	9.858686	0.371020	8.533452
16	0.261282	6.009486	0.486237	11.183453	0.123750	2.846240
17	0.811647	18.667877	0.412047	9.477084	0.086343	1.985882
18	0.075589	1.738558	0.140263	3.226048	0.483320	11.116368
19	0.121074	2.784713	0.358392	8.243019	0.188482	4.335092
20	0.867107	19.943471	0.987664	22.716267	0.696094	16.010155
21	0.353841	8.138334	0.270548	6.222606	0.707253	16.266809
22	0.046996	1.080910	0.073742	1.696069	0.296310	6.815122
X	0.000003	0.000074	0.000003	0.000072	0.449262	10.333035

Table 1: P-values and Bonferroni corrected p-values from paired t-tests comparing the proportion of a given ancestry on a particular chromosome to a pool of all other chromosomes.

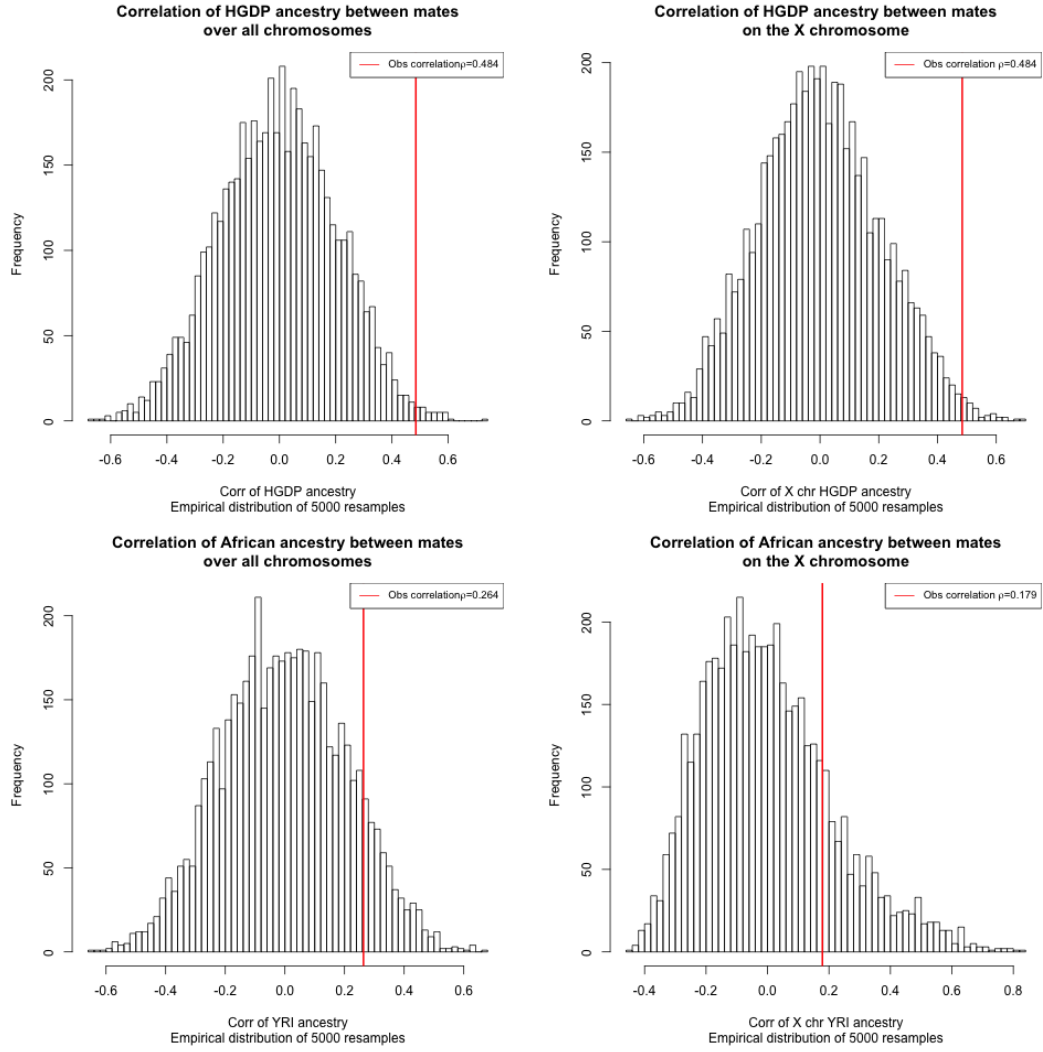


Figure 1: Correlation of autosomal Native American ancestry, X chromosome Native American ancestry, autosomal African ancestry and X chromosome African ancestry, among 5,000 randomly sampled mate pairs from the 24 MXL mates. The observed correlation for each case is shown in red.

statistic	X chromosome			Autosomal		
	African	Native Am	European	African	Native Am	European
mean	-2.30e-05	-6.70e-04	-3.62e-05	-0.003	-0.005	6.94e-04
SD	0.21	0.21	0.21	0.21	0.21	0.21
empirical p-value	0.1826	0.0084	0.0196	0.1052	0.0074	0.0056

Table 2: Mean, standard deviation and empirical p-value calculations from 5,000 bootstrap samples shown in Figure 1, for autosomal and X chromosome Native American and African ancestry.