

Supplemental Information

Highly Punctuated Patterns of Population Structure on the X Chromosome and Implications

for African Evolutionary History

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Table S1. Samples Used for the *ILIRAPL2* Resequencing

Population	Samples	Male	Female	Coriell IDs
Yoruban	10	6	4	NA18857, NA18860, NA18863, NA18869, NA18872, NA18911, NA18875, NA18930, NA19094, NA19097
Biaka Pygmy	5	2	3	NA10469, NA10470, NA10471, NA10472, NA10473
Mbuti Pygmy	5	3	2	NA10492, NA10494, NA10495, NA10493, NA10496
South-of-the-Sahara African	9	6	3	NA17342, NA17343, NA17345, NA17346, NA17347, NA17349, NA17341, NA17344, NA17348
Middle Eastern	10	6	4	NA17043, NA17045, NA17046, NA17047, NA17049, NA17050, NA17041, NA17042, NA17044, NA17048
European	21	11	10	NA07349, NA10830, NA10842, NA10845, NA10848, NA10851, NA10853, NA10857, NA10858, NA10860, NA17201, NA06990, NA07019, NA07348, NA10831, NA10843, NA10844, NA10850, NA10852, NA10854, NA10861
Han Chinese	21	7	14	NA17736, NA17737, NA17742, NA17743, NA17749, NA17753, NA17755, NA17733, NA17734, NA17735, NA17738, NA17739, NA17740, NA17741, NA17744, NA17745, NA17746, NA17747, NA17752, NA17754, NA17756
Southeast Asian	10	5	5	NA17082, NA17085, NA17088, NA17089, NA17090, NA17081, NA17083, NA17084, NA17086, NA17087

Andean South American	10	3	7	NA17301, NA17302, NA17309, NA17303, NA17304, NA17305, NA17306, NA17307, NA17308, NA17310
Total number of X chromosomes	153	49	104	
African	41	17	24	
Non-African	112	32	80	

Table S2. Chromosomal Distributions of F_{ST} Values

Chr	HapMap				Perlegen			
	Number of SNPs	Mean F_{ST}	Median F_{ST}	99 th Percentile	Number of SNPs	Mean F_{ST}	Median F_{ST}	99 th Percentile
1	247873	0.125	0.090	0.519	107520	0.097	0.067	0.447
2	275882	0.132	0.097	0.549	117167	0.103	0.070	0.488
3	210413	0.130	0.096	0.527	73283	0.096	0.067	0.439
4	199688	0.128	0.093	0.535	93938	0.094	0.064	0.443
5	204756	0.124	0.091	0.520	86816	0.098	0.069	0.458
6	222189	0.119	0.086	0.513	71492	0.098	0.068	0.461
7	173614	0.125	0.091	0.535	68746	0.099	0.069	0.453
8	178093	0.130	0.096	0.530	81846	0.106	0.073	0.484
9	148422	0.124	0.090	0.513	46450	0.094	0.064	0.431
10	168333	0.124	0.090	0.527	62715	0.109	0.075	0.489
11	157334	0.120	0.087	0.516	54153	0.096	0.068	0.438
12	148308	0.123	0.089	0.524	52000	0.100	0.069	0.461
13	126937	0.121	0.088	0.510	56526	0.100	0.070	0.462
14	100618	0.124	0.093	0.513	46336	0.097	0.069	0.443
15	86962	0.135	0.100	0.554	35657	0.103	0.070	0.471
16	86909	0.126	0.093	0.522	33327	0.098	0.070	0.442
17	70407	0.133	0.095	0.561	26613	0.105	0.072	0.456
18	94610	0.120	0.089	0.508	41766	0.093	0.066	0.419
19	43942	0.123	0.090	0.505	11910	0.098	0.070	0.442
20	77486	0.126	0.090	0.528	25997	0.097	0.069	0.466
21	39691	0.126	0.093	0.519	25583	0.096	0.068	0.430
22	40621	0.126	0.091	0.544	16560	0.096	0.068	0.437
Autosomes	3103088	0.126	0.092	0.527	1236401	0.099	0.069	0.458
X	91301	0.194	0.136	0.811	26937	0.156	0.112	0.680