

**Table S1. Populations Analyzed.**

Population	Source	Phased?	$F_{ST}$	iHS	XP-EHH CEU	XP-EHH YRI	XP-EHH MKK	XP-EHH KHB
Kenyan Bantu	HGDP	Yes	X	X	X	X	X	X
S. African Bantu	HGDP	Yes	X	X	X	X	X	X
Biaka	HGDP	Yes	X	X	X	X	X	X
Hadza	HENN <i>et al.</i> (2011)	Yes	X	X	X	X	X	X
Maasai	HapMap	Yes	X	X	X	X	REF	X
Mandenka	HGDP	Yes	X	X	X	X	X	X
Mbuti	HGDP	Yes	X	X	X	X	X	X
Namibian Bushmen	HGDP and SCHUSTER <i>et al.</i> (2010)	Yes	X	X	X	X	X	X
≠ Khomani Bushmen	HENN <i>et al.</i> (2011)	Yes	X	X	X	X	X	REF
Sandawe	HENN <i>et al.</i> (2011)	Yes	X	X	X	X	X	X
Yoruba	HGDP	Yes	X	X	X	REF (test)	X	X
YRI	HapMap	Yes		X	X	REF	X	X
CEU	HapMap	Yes			REF			
Tuscans	HapMap	No	X					
All Europeans	HGDP	Yes			REF (test)			

“Phased?” column indicates whether phased data were used (for haplotype analyses). An “X” indicates whether the population was used in the analyses of  $F_{ST}$  (and allele frequency differentiation), iHS, XP-EHH CEU, XP-EHH YRI, XP-EHH MKK, or XP-EHH KHB. “REF” indicates that population was used as a reference population. HGDP Europeans and HGDP Yorubans were only used as test reference populations for XP-EHH (see Supplemental Methods).