

Table S5. Alleles with a highly significant $-\log_{10}P > 14$ Ju/'hoan versus 'Yoruba population-specific association.

-log ₁₀ P	SNP	Chr	Position ¹	Gene	Location	Genetic Association Class (Phenotype) ²	Pan allele	Allele frequencies					
								Southern African Populations (our study)			HapMap populations (Illumina iControl Database)		
								Ju/'hoan (n=19)	!Xun (n=14)	Xhosa (n=15)	Yoruba (n=90)	Asian (n=44)	European (n=175)
Ethnic / Geographical classification							<i>Khoesan</i>		<i>African</i>		<i>Non-African</i>		
Subsistence based classification							<i>Forager</i>		<i>Agriculturalist</i>				
20.03726772	rs2594762	4	159102581 [158883131]	-	-	-	T	T(0.750) C(0.250)	T(0.143) C(0.857)	T(0.100) C(0.900)	T(0.006) C(0.994)	T(0.023) C(0.977)	T(0.109) C(0.891)
19.12504517	rs2477414	9	33544121 [33554121]	<i>ANKRD18B</i>	Intronic	None	T	T(0.658) C(0.342)	T(0.464) C(0.536)	T(0.233) C(0.767)	C(1)	T(0.045) C(0.955)	T(0.129) C(0.871)
18.01377702	rs12695746	3	143130049 [141647359]	<i>ATP1B3</i>	Downstream	None	G	G(0.500) T(0.500)	G(0.714) T(0.286)	G(0.900) T(0.100)	G(1)	G(0.795) T(0.205)	G(0.854) T(0.146)
17.81036587	rs283722	8	128379719 [128310537]	<i>LOC727677</i>	Intronic	None	G	G(0.368) A(0.632)	G(0.786) A(0.214)	G(0.867) A(0.133)	G(0.989) A(0.011)	G(0.977) A(0.023)	G(1)
17.73368261	rs12410304	1	243885443 [245818820]	<i>KIF26B</i>	Intronic	<i>Chemical dependency (tobacco use)</i>	G	G(0.421) A(0.579)	G(0.536) A(0.464)	G(0.867) A(0.133)	G(1)	G(0.602) A(0.398)	G(0.943) A(0.057)
17.62553771	rs13379392	14	87408696 [88338943]	<i>GALC</i>	Intronic	<i>Neurological (Krabbe disease)</i>	G	G(0.526) T(0.474)	G(0.357) T(0.643)	G(0.033) T(0.967)	G(0.011) T(0.989)	G(0.057) T(0.943)	G(0.425) T(0.575)
17.39638358	rs2723269	12	38916054 [40629787]	<i>LRRK2</i>	Intronic	<i>Chemical dependency (tobacco use); Neurological (Parkinson's disease); Immune (Crohn disease); Infection (Leprosy)</i>	A	A(0.368) T(0.632)	A(0.786) T(0.214)	A(0.967) T(0.033)	A(0.994) T(0.006)	A(0.636) T(0.364)	A(0.937) T(0.063)
17.25799595	rs13032068	2	111539508 [111823037]	<i>ACOXL</i>	Intronic	<i>Cancer (Chronic lymphocytic leukemia)</i>	A	A(0.632) G(0.368)	A(0.214) G(0.786)	A(0.133) G(0.867)	A(0.017) G(0.983)	A(0.091) G(0.909)	A(0.095) G(0.905)
17.23160021	rs10502172	11	112704356 [113199146]	<i>TTC12</i>	Intronic	<i>Chemical dependency (nicotine / alcohol dependency)</i>	C	C(0.611) T(0.389)	C(0.800) T(0.200)	C(0.750) T(0.250)	C(1)	C(0.943) T(0.057)	C(0.549) T(0.451)
15.94274955	rs17753447	1	234748204 [236681581]	<i>LGALS8</i>	5'UTR	None	A	A(0.711) G(0.289)	A(0.321) G(0.679)	A(0.200) G(0.800)	A(0.044) G(0.956)	A(0.045) G(0.955)	A(0.169) G(0.831)
15.81839562	rs13216265	6	15925857 [15817878]	-	-	-	T	T(0.806) C(0.194)	T(0.500) C(0.500)	T(0.267) C(0.733)	T(0.067) C(0.933)	T(0.091) C(0.909)	T(0.163) C(0.837)
15.80162901	rs12432055	14	35559090 [36489339]	-	-	-	C	C(0.579) T(0.421)	C(0.929) T(0.071)	C(0.967) T(0.033)	C(1)	C(0.898) T(0.102)	C(0.954) T(0.046)
15.72915232	rs2552241	8	5841292 [5853884]	-	-	-	C	C(0.237) T(0.763)	C(0.286) T(0.714)	C(0.767) T(0.233)	C(0.917) T(0.083)	C(0.761) T(0.239)	C(0.489) T(0.511)
15.59791193	rs6998580	8	94964119 [94894943]	-	-	-	T	T(0.605) C(0.395)	T(0.321) C(0.679)	T(0.067) C(0.933)	T(0.022) C(0.978)	T(0.080) C(0.920)	T(0.423) C(0.577)
15.18605643	rs348609	5	40296686 [40260929]	<i>U1</i> ³	Upstream	-	C	C(0.316) T(0.684)	C(0.714) T(0.286)	C(0.700) T(0.300)	C(0.950) T(0.050)	C(0.966) T(0.034)	C(0.797) T(0.203)

15.14420001	rs6839885	4	101917906 [101698883]	-	-	-	T	T(0.393)C(0.607)	T(0.077)C(0.923)	C(1)	C(1)	T(0.102)C(0.898)	T(0.257)C(0.743)
15.10634209	rs10279013	7	72789825 [73151889]	<i>ABHD11</i>	Intronic	None	C	C(0.500)T(0.500)	C(0.750)T(0.250)	C(0.967)C(0.033)	C(0.989)T(0.011)	C(1)	C(1)
15.07562289	rs17005571	3	69390632 [69307942]	<i>FRMD4B</i>	Intronic	<i>Chemical dependency (tobacco use); Cardiovascular (Heart failure); Immune (Celiac disease)</i>	T	T(0.632)C(0.368)	T(0.643)C(0.357)	T(0.933)C(0.067)	T(1)	T(0.875)C(0.125)	T(0.983)C(0.017)
14.74817121	rs4854190	2	3086042 [3107035]	<i>AK095310</i>	Intronic	None	G	G(0.684)A(0.316)	G(0.893)A(0.107)	G(1)	G(1)	G(0.807)A(0.193)	G(0.920)A(0.080)
14.74817121	rs2132276	7	97664276 [97826340]	<i>LMTK2</i>	Intronic	<i>Cancer (Prostate cancer)</i>	G	G(0.684)A(0.316)	G(0.786)A(0.214)	G(1)	G(1)	G(0.909)A(0.091)	G(0.454)A(0.546)
14.60808907	rs2836716	21	39157929 [40236059]	-	-	-	A	A(0.553)G(0.447)	A(0.429)G(0.571)	G(1)	A(0.028)G(0.972)	G(1)	A(0.080)G(0.920)
14.54275662	rs13092634	3	192334655 [190851961]	-	-	-	A	A(0.395)G(0.605)	A(0.607)G(0.393)	A(0.967)G(0.033)	A(0.956)G(0.044)	A(1)	A(0.951)G(0.049)
14.36201865	rs10789536	11	106072227 [106567017]	<i>GUCY1A2</i>	Intronic	<i>Chemical dependency (tobacco use)</i>	A	A(0.263)G(0.737)	A(0.536)G(0.464)	A(0.800)G(0.200)	A(0.911)G(0.089)	A(0.341)G(0.659)	A(0.363)G(0.637)
14.24534597	rs12666164	7	37932726 [37966201]	<i>EPDR1</i>	Intronic	<i>Chemical dependency (tobacco use); Cancer (Prostate cancer)</i>	T	T(0.605)C(0.395)	T(0.857)C(0.143)	T(0.900)C(0.100)	T(0.989)C(0.011)	T(0.852)C(0.148)	T(0.680)C(0.320)
14.17566315	rs7867486	9	99350355 [100310534]	<i>TMOD1</i>	Intronic	None	G	G(0.553)A(0.447)	G(0.714)A(0.286)	G(0.933)A(0.067)	G(1)	G(0.784)A(0.216)	G(0.783)A(0.217)
14.07888701	rs2497401	13	84749880 [85851879]	-	-	-	T	T(0.737)C(0.263)	T(0.321)C(0.679)	T(0.167)C(0.833)	T(0.083)C(0.917)	T(0.045)C(0.955)	T(0.100)C(0.900)

¹ Position as defined by the HapMap Project (<http://hapmap.ncbi.nlm.nih.gov/>) and the Illumina array content (<http://www.illumina.com/science/controldb.ilmn>). The position in brackets as defined by Genome Build 37.3 used by NCBI dbSNP (<http://www.ncbi.nlm.nih.gov/projects/SNP/>) and the UCSC Genome Browser (<http://genome.ucsc.edu/>).

² Previous gene-based association as defined by the Genetic Association Database (<http://geneticassociationdb.nih.gov/>)

³ The U1 gene is a uridine-rich small nuclear ribonucleoprotein (snRNP), which carries out many essential functions via interactions of their RNA and protein components with the pre-mRNA, specifically, they mediate the recognition and subsequent pairing of the 5' and 3' splice sites of an intron [58].