

Table S1. Genes Carrying Amino Acid-Replacement Substitutions that Are Fixed in Present-Day Humans and Absent in the Neandertal and Denisovan Genomes

Table courtesy of Kay Prüfer

Gene	Amino acid (archaic_position_modern)	Ensembl transcript
ADAM18	V565A; K649R	ENST00000265707
ADSL	A429V	ENST00000216194
ANKMY1	N467K	ENST00000272972
ANKRD30A	R1278Q	ENST00000361713
ARRDC1	T46I	ENST00000371421
ATRX	D475H	ENST00000373344
BBIP1	I92T	ENST00000454061
C21orf62	L181F	ENST00000536776
CALD1	V671I	ENST00000361675
CASC5	H159R; G1086S	ENST00000346991
CD300LG	V169A	ENST00000317310
CDH16	A342T	ENST00000299752
CSGALNACT1	V240I	ENST00000544602
CXorf59	M417V	ENST00000378660
DCHS1	N777D	ENST00000299441
DDX53	M204T	ENST00000327968
DHX29	I317M	ENST00000251636
ENTHD1	T292R	ENST00000325157
ERI1	C122F	ENST00000519292
EVC2	S488G	ENST00000344408
FAM149B1	R571G	ENST00000242505
FAM166A	P134T	ENST00000344774
FAM178A	K98E	ENST00000370269
FBXW5	R347K	ENST00000325285
FRMD7	D520H	ENST00000298542
FRRS1L	G51R	ENST00000374581
GLDC	F220L	ENST00000321612
GPR132	Q328E	ENST00000329797
GPT	C226G	ENST00000394955
GREB1L	S1360N	ENST00000424526
GSR	S232G	ENST00000221130
HERC5	T619A; G655S	ENST00000264350
IFI44L	Q383R	ENST00000370751
IRAK1BP1	G31R	ENST00000369940
ITGB4	T1689A; H1748R	ENST00000200181
KATNA1	A343T	ENST00000367411
KIAA1199	T150A	ENST00000356249
KIF18A	R67K	ENST00000263181
KIF26B	G342S	ENST00000407071
KLF14	Q47H	ENST00000310992
LAG3	T181A	ENST00000203629
LMNB2	M405L	ENST00000325327

LRRD1	S436C	ENST00000430130
LRTM2	E9G	ENST00000543818
LYPLA1	M67V	ENST00000316963
MCHR2	V324A	ENST00000369212
MFSD12	F326L	ENST00000398558
NCOA6	M823I	ENST00000359003
NEK6	D325H	ENST00000394199
NFASC	T987A	ENST00000339876
NOP14	R493T	ENST00000416614
NOTO	N237I	ENST00000398468
NOVA1	I197V	ENST00000539517
OR5K4	D175H; R260G	ENST00000354924
PIEZO1	S307G	ENST00000301015
PLAC1L	E104D	ENST00000278855
PNLIP	K414M	ENST00000369221
PRDM10	T1133N	ENST00000358825
PTCD2	M258V	ENST00000380639
RASA1	G70E	ENST00000274376
RB1CC1	K1216R	ENST00000025008
RFNG	Y281H	ENST00000310496
RSPH1	K213Q	ENST00000291536
SCAF11	M584I	ENST00000369367
SCAP	T140I	ENST00000265565
SLC12A1	N24S	ENST00000396577
SLC27A3	S646A	ENST00000368661
SLC8A1	I22T	ENST00000332839
SLITRK1	A330S	ENST00000377084
SPAG17	A1415T; D431Y	ENST00000336338
SPAG5	D410H; E162G; P43S	ENST00000321765
SPTA1	D265N	ENST00000368148
SSH2	K958R	ENST00000269033
STARD9	A3925T	ENST00000290607
SV2C	H460P	ENST00000502798
SYNRG	A636V	ENST00000346661
TEX2	D374G	ENST00000258991
TKTL1	K317R	ENST00000369915
TP53TG5	N275H; A172V	ENST00000372726
TTF1	T474I	ENST00000334270
TLL5	A958T	ENST00000298832
UBQLN3	R255C	ENST00000311659
VCAM1	D414G	ENST00000294728
VCAN	N3042D	ENST00000265077
ZBTB24	Q244E	ENST00000230122
ZNF185	A504T	ENST00000535861
ZNHIT2	R57C	ENST00000310597