

	SNPs position		Codon position		10365	11129	12739	13728	15731	19092	21136	33945	48897	49591	60658	65132	65351	68754	71235	75351	77147	81062	93315	112520	113135	114283	*126892	*127143	127484	132639	137121	137976	139068	141246	141840	145913	146377	150450	153499	154419	157637	159206	*160712	169859	178715	183118
Clade P-II: Alastrim West Africa	BRZ66_gar	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
	BRZ66_39	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
	UNK52_but	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
	BEN68_59	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
	GUI69_005	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
	NIG69_001	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T	
Clade P-I: East Asia	SLN68_258	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
	CHN48_horn	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
	JAP51_stwl	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
	JAP51_hrpr	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
	JAP46_yam	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
	KOR47_lee	C	G	G	C	A	C	C	A	C	C	C	C	C	G	C	T	C	C	C	C	C	C	C	T	T	G	G	C	C	G	G	T	G	A	C	G	C	G	G	C	T	A	T		
Clade P-I: Middle East	UNK46_harv	C	G	A	C	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	G	C	C	T	G	G	C	C	G	A	C	A	A	A	A	C	G	A	T	C	A	C		
	UNK46_hind	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	T	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	IND64_vel4	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	IND64_vel5	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	IRN72_tbrz	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	SYR72_119	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
Clade P-I: Southeast Asia	AFG70_vlt4	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	A	C	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	PAK69_lah	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	KUW67_1629	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	G	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	YUG72_164	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	T	G	G	A	A	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C
	SUM70_222	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	C	T	G	G	A	A	G	T	T	G	A	C	A	A	A	C	G	A	T	C	A	C
	SUM70_228	C	G	A	T	A	T	C	A	C	C	C	G	T	T	T	C	C	C	C	C	C	A	C	C	T	G	G	A	A	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A
Clade P-I: India Continents	IND53_mad	C	G	A	T	G	T	C	A	C	C	C	A	T	G	T	T	C	C	C	C	A	C	C	T	G	G	A	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C	
	IND67_mah	C	G	A	T	G	T	C	A	C	C	C	A	T	G	T	T	C	C	C	C	C	A	C	C	T	G	G	A	G	T	T	G	A	C	A	A	A	A	C	G	A	T	C	A	C
	BSH75_nur	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	C	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	BSH75_sol	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	BSH75_shz	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	BSH75_banu	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	BSH75_banu2	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	NEP73_175	C	G	A	T	G	T	C	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	GER_hdlg	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
	UNK47_hig	C	G	A	T	G	T	G	A	C	C	C	A	T	G	T	T	T	C	C	C	C	A	C	T	T	G	G	A	G	T	T	A	A	C	A	A	A	A	T	G	A	T	C	C	C
Clade P-I: Non-West Africa	SAF65_102	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T	
	SAF65_103	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	G	T	T	A	A	C	A	G	A	A	T	T	A	T	C	T
	BOT72_143	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	BOT72_225	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	SUD47_rum	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	SUD47_jub	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	TAN65_kem	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	CNG70_46	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	CNG70_227	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
	ETH72_16	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T
ETH72_17	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T	
SOM77_1605	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T	
SOM77_1252	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T	
SOM77_ali	T	A	A	T	G	T	G	G	T	T	T	A	T	G	T	T	T	T	T	T	T	A	T	T	T	G	G	A	A	T	T	A	A	C	A	G	A	A	T	T	A	T	C	C	T	