

Table S13. Nucleotide Substitutions in *CST3* gene in introns and regulatory regions

Genomic Coordinates (hg19)	Gene Region	Modern human	Altai Neanderthal (Variant Frequency)	Chagyrskaya	Vindija	Denisovan (Variant Frequency)	Codon → amino acid
				Neanderthal (Variant Frequency)	Neanderthal (Variant Frequency)		
23,619,036	Upstream region	C	C (100%)	C (100%)	T (17%)	C (100%)	
23,619,022	Upstream region	C	C (100%)	T (11%)**	T (22%)	C (100%)	
23,619,003	Upstream region	C	C (100%)	T (14%)	C (100%)	C (100%)	
23,619,002	Upstream region	C	C (100%)	T (14%)	C (100%)	C (100%)	
23,618,976	Upstream region	C	C (100%)	T (13%)	T (56%)**	C (100%)	
23,618,938	Upstream region	C	C (100%)	T (8%)*	T (18%)	C (100%)	
23,618,934	Upstream region	C	C (100%)	C (100%)	T (13%)	C (100%)	
23,618,932	Upstream region	C	C (100%)	T (20%)	T (20%)	C (100%)	
23,618,846	Upstream region	C	C (100%)	C (100%)	T (30%)	C (100%)**	
23,618,833	Upstream region	C	T (4%)*	T (20%)	C (100%)	C (100%)**	
23,618,820	Upstream region	C	C (100%)	T (17%)	T (8%)*	C (100%)	
23,618,815	Upstream region	C	C (100%)	T (20%)	T (20%)	C (100%)	
23,618,803	Upstream region	C	C (100%)	T (13%)	C (100%)	C (100%)	
23,618,783	Upstream region	C	C (100%)	C (100%)	T (13%)	C (100%)**	
23,618,782	Upstream region	C	C (100%)	C (100%)	T (13%)	C (100%)**	
23,618,781	Upstream region	C	C (100%)	C (100%)	T (13%)	C (100%)**	
23,618,779	Upstream region	C	C (100%)	C (100%)	T (21%)	C (100%)**	
23,618,778	Upstream region	C	C (100%)	C (100%)	T (15%)	C (100%)**	
23,618,659	5' UTR	C	C (100%)	T (18%)	C (100%)	C (100%)	
23,618,656	5' UTR	C	C (100%)	T (17%)	C (100%)	C (100%)	
23,618,645	5' UTR	C	C (100%)	C (100%)	T (12%)	C (100%)	
23,618,644	5' UTR	C	C (100%)	C (100%)	T (12%)	C (100%)	
23,618,641	5' UTR	C	C (100%)	T (15%)	C (100%)	C (100%)	
23,618,633	5' UTR	G	G (100%)	G (100%)	A (17%)	G (100%)	
23,618,578	5' UTR	C	C (100%)	T (13%)	T (18%)	C (93%)	
23,618,532	5' UTR	G	G (100%)	A (6%)*	A (15%)	G (100%)	
23,618,516	5' UTR	G	G (100%)	A (8%)*	A (14%)	G (100%)	
23,618,491	Exon 1 (Signal)	CCC	CCC (100%)	CCT (14%)**	CCT (18%)	CCC (100%)	GGG→G _{2(sp)} GGA→G _{2(sp)}
23,618,422	Exon 1 (Signal)	CCG	CCG (100%)	CCA (11%)	CCA (11%)	CCG (100%)**	GGC→G _{25(sp)} GGU→G _{25(sp)}

23,618,407	Exon 1	TTC	TTC (100%)	TTT (12%)	TTC (100%)	TTC (100%)**	AAG→K ₅ AAA→K ₅
23,618,398	Exon 1	GCG	GCG (100%)	GCG (100%)	GCA (13%)	GCG (100%)**	CGC→R ₈ CGU→R ₈
23,618,397	Exon 1	GAT	GAT (100%)	GAT (100%)	AAT (13%)	GAT (100%)**	CUA→L ₉ UUA→L ₉
23,618,395	Exon 1	GAT	GAC (100%)	GAC (95%)	GAC (11%)	GAC (100%)**	CUA→L ₉ CUG→L ₉
23,618,296	Exon 1	ATG	ATG (100%)	ATG (100%)	ATA (13%)	ATG (100%)	UAC→Y ₄₂ UAU→Y ₄₂
23,618,253	Intron 1	G	G (100%)	A (18%)	G (100%)	G (100%)**	
23,618,231	Intron 1	C	C (100%)	C (100%)	T (30%)	C (100%)**	
23,618,206	Intron 1	G	G (100%)	G (100%)	A (18%)	G (100%)**	
23,618,193	Intron 1	C	C (100%)	T (8%)*	T (13%)	C (100%)	
23,618,162	Intron 1	C	C (100%)	T (17%)	C (100%)	C (100%)	
23,618,108	Intron 1	G	G (100%)	G (100%)	A (11%)	G (100%)	
23,618,092	Intron 1	C	C (100%)	C (100%)	T (13%)	C (100%)	
23,618,086	Intron 1	C	C (100%)	T (17%)	T (13%)	C (100%)	
23,618,081	Intron 1	C	C (100%)	C (100%)	T (18%)	C (100%)	
23,618,079	Intron 1	C	T (3%)*	C (100%)	T (14%)	C (100%)	
23,618,040	Intron 1	C	C (100%)	T (14%)**	T (14%)	C (100%)	
23,617,987	Intron 1	C	T (4%)*	C (100%)	T (11%)	C (100%)	
23,617,982	Intron 1	C	C (100%)	T (15%)	C (100%)	C (100%)	
23,617,972	Intron 1	C	T (3%)*	T (7%)*	T (11%)	C (100%)	
23,617,948	Intron 1	C	C (100%)	T (12%)	C (96%)	C (100%)	
23,617,907	Intron 1	C	C (100%)	T (18%)	T (3%)*	C (100%)	
23,617,897	Intron 1	C	C (100%)	T (11%)	C (100%)	C (100%)	
23,617,878	Intron 1	G	G (100%)	A (13%)	G (97%)	G (100%)	
23,617,864	Intron 1	C	C (100%)	T (9%)*	T (15%)	C (100%)	
23,617,647	Intron 1	C	T (2%)*	C (100%)	T (12%)	C (100%)	
23,617,599	Intron 1	C	C (100%)	T (5%)*	T (20%)	C (100%)	
23,617,463	Intron 1	G	G (100%)	G (100%)	A (15%)	G (100%)	
23,617,438	Intron 1	G	A (4%)*	A (13%)	A (6%)*	A (6%)*	
23,617,435	Intron 1	G	C (100%)	A (14%)	G (100%)	C (100%)	
23,617,426	Intron 1	C	C (100%)	C (100%)	T (14%)	C (100%)	
23,617,413	Intron 1	G	G (100%)	G (100%)	A (17%)	G (100%)	
23,617,341	Intron 1	C	C (100%)	T (12%)	T (10%)*	C (100%)	
23,617,322	Intron 1	C	T (2%)*	T (14%)	T (4%)*	C (100%)	
23,617,261	Intron 1	G	G (100%)	A (12%)	A (7%)*	G (100%)	

23,617,256	Intron 1	G	A (5%)*	A (6%)*	A (12%)	G (100%)
23,617,236	Intron 1	G	G (100%)	G (100%)	A (11%)	G (100%)
23,617,197	Intron 1	C	C (100%)	T (17%)	T (4%)*	C (100%)
23,617,191	Intron 1	G	G (100%)	A (8%)*	A (12%)	A (7%)*
23,617,190	Intron 1	G	G (100%)	G (90%)	A (13%)	G (100%)
23,617,189	Intron 1	G	G (100%)	G (100%)	A (13%)	A (7%)*
23,617,188	Intron 1	G	G (100%)	G (100%)	A (13%)	A (7%)*
23,617,160	Intron 1	G	G (100%)	G (100%)	A (20%)	G (100%)
23,617,143	Intron 1	G	G (100%)	G (100%)	A (17%)	G (100%)
23,617,138	Intron 1	G	G (100%)	G (100%)	A (18%)	G (100%)
23,617,121	Intron 1	C	C (100%)	C (100%)	T (15%)	C (100%)
23,617,094	Intron 1	G	G (100%)	A (13%)	G (100%)	G (100%)
23,617,084	Intron 1	G	G (100%)	A (13%)	G (100%)	G (100%)
23,617,037	Intron 1	G	A (2%)*	G (100%)	A (11%)	G (100%)
23,617,007	Intron 1	G	G (100%)	G (100%)	A (10%)*	A (100%)
23,617,002	Intron 1	C	C (100%)	T (14%)	A (9%)*	C (100%)
23,617,001	Intron 1	C	C (100%)	T (7%)*	T (18%)	C (100%)
23,616,980	Intron 1	C	C (100%)	C (100%)	T (13%)	C (100%)
23,616,978	Intron 1	G	G (100%)	G (100%)	A (12%)	G (100%)
23,616,970	Intron 1	C	T (3%)*	C (100%)	T (12%)	C (100%)
23,616,940	Intron 1	C	T (2%)*	T (4%)*	T (13%)	C (100%)
23,616,914	Intron 1	G	G (100%)	A (13%)	G (100%)	G (100%)
23,616,876	Intron 1	C	C (100%)	C (100%)	T (11%)	C (100%)
23,616,862	Intron 1	G	A (3%)*	A (12%)	G (100%)	G (100%)
23,616,844	Intron 1	G	G (100%)	A (14%)	G (100%)	G (100%)
23,616,835	Intron 1	C	C (100%)	C (100%)	T (13%)	C (100%)
23,616,822	Intron 1	G	A (100%)	A (100%)	A (100%)	G (100%)
23,616,807	Intron 1	G	G (100%)	G (100%)	A (5%)*	A (100%)
23,616,712	Intron 1	G	G (100%)	G (100%)	A (11%)	G (100%)
23,616,645	Intron 1	C	C (97%)	T (12%)	C (100%)	C (100%)
23,616,631	Intron 1	C	C (100%)	T (4%)*	T (15%)	C (100%)
23,616,630	Intron 1	C	C (100%)	T (9%)*	T (14%)	C (100%)
23,616,618	Intron 1	G	A (24%)	A (12%)	A (52%)	G (100%)
23,616,587	Intron 1	A	G (40%)	G (34%)	G (48%)	G (39%)
23,616,585	Intron 1	A	C (41%)	C (28%)	C (46%)	C (39%)

23,616,581	Intron 1	C	C (100%)	C (100%)	T (14%)	C (100%)	
23,616,577	Intron 1	G	G (98%)	A (11%)	G (100%)	G (100%)	
23,616,552	Intron 1	G	T (37%)	T (37%)	T (46%)	T (41%)	
23,616,492	Intron 1	A	A (100%)	A (100%)	A (100%)	C (83%)	
23,616,469	Intron 1	T	T (98%)	T (100%)	T (100%)	C (97%)	
23,616,425	Intron 1	C	C (100%)	T (16%)	T (5%)*	C (100%)	
23,616,372	Intron 1	C	T (1%)*	T (4%)*	T (11%)	C (100%)	
23,616,348	Intron 1	G	G (100%)	G (97%)	A (17%)	G (100%)	
23,616,277	Intron 1	C	C (100%)	T (5%)*	T (16%)	C (100%)	
23,616,270	Intron 1	G	G (100%)	A (28%)	G (100%)	G (100%)	
23,616,256	Intron 1	C	C (100%)	C (100%)	T (13%)	C (100%)	
23,616,250	Intron 1	C	C (100%)	T (11%)	C (100%)	C (100%)	
23,616,206	Intron 1	G	A (100%)	A (100%)	A (100%)	A (100%)	
23,616,167	Intron 1	C	T (2%)*	T (5%)*	T (14%)	C (100%)	
23,616,150	Intron 1	C	T (5%)*	T (14%)	T (8%)*	C (100%)	
23,616,144	Intron 1	G	G (100%)	A (14%)	G (100%)	G (100%)	
23,616,083	Intron 1	G	A (2%)*	G (100%)	A (15%)	A (4%)*	
23,616,051	Intron 1	T	T (100%)	T (100%)	T (100%)	C (100%)	
23,616,008	Intron 1	C	C (100%)	C (100%)	T (11%)	C (100%)	
23,615,936	Exon 2	GG <u>G</u>	GG <u>G</u> (100%)	GG <u>A</u> (5%)*	GG <u>A</u> (17%)	GG <u>G</u> (95%)	CCC→P ₇₈ CCU→P ₇₈
23,615,886	Intron 2	C	T (3%)*	C (100%)	T (15%)	C (100%)	
23,615,883	Intron 2	G	G (100%)	A (10%)*	A (13%)	G (100%)	
23,615,882	Intron 2	G	G (100%)	G (100%)	A (13%)	G (100%)	
23,615,849	Intron 2	C	C (100%)	C (86%)	G (11%)	C (100%)	
23,615,846	Intron 2	C	C (100%)	C (100%)	T (18%)	C (100%)	
23,615,843	Intron 2	A	A (100%)	A (100%)	C (21%)	A (100%)	
23,615,820	Intron 2	CA	InsCACA (35%)	-	-	delCA (40%)	
23,615,775	Intron 2	C	C (100%)	T (4%)*	T (13%)	C (100%)	
23,615,772	Intron 2	G	G (100%)	A (11%)	G (96%)	G (100%)	
23,615,739	Intron 2	C	C (100%)	T (13%)	C (100%)	C (100%)	
23,615,728	Intron 2	C	T (2%)*	C (100%)	T (13%)	C (100%)	
23,615,723	Intron 2	C	C (100%)	C (100%)	T (20%)	C (100%)	
23,615,711	Intron 2	C	T (2%)*	T (4%)*	T (14%)	C (100%)	
23,615,709	Intron 2	C	C (100%)	C (100%)	T (13%)	C (100%)	

23,615,703	Intron 2	C	C (100%)	C (100%)	T (13%)	C (100%)
23,615,697	Intron 2	C	C (100%)	C (100%)	T (13%)	C (100%)
23,615,676	Intron 2	C	T (2%)*	T (13%)	T (17%)	C (100%)
23,615,674	Intron 2	C	C (100%)	T (7%)*	T (18%)	C (100%)
23,615,673	Intron 2	C	C (100%)	T (13%)	C (100%)	C (100%)
23,615,672	Intron 2	C	C (100%)	T (13%)	T (18%)	C (100%)
23,615,650	Intron 2	C	C (100%)	T (18%)	C (100%)	C (100%)
23,615,618	Intron 2	C	C (100%)	T (10%)*	T (15%)	C (100%)
23,615,617	Intron 2	C	C (100%)	T (20%)	T (13%)	C (95%)
23,615,615	Intron 2	C	C (100%)	T (30%)	T (15%)	C (100%)
23,615,614	Intron 2	C	C (100%)	T (18%)	T (5%)*	C (100%)
23,615,606	Intron 2	C	C (100%)	T (9%)*	T (13%)	C (100%)
23,615,521	Intron 2	C	C (100%)	T (13%)	T (7%)*	C (100%)
23,615,519	Intron 2	C	C (100%)	T (6%)*	T (14%)	C (100%)
23,615,517	Intron 2	C	C (100%)	C (100%)	T (13%)	C (100%)
23,615,510	Intron 2	C	T (3%)*	T (15%)	T (5%)*	C (100%)
23,615,473	Intron 2	C	C (100%)	C (100%)	T (13%)	C (100%)
23,615,467	Intron 2	C	C (100%)	T (12%)	T (5%)*	C (100%)
23,615,456	Intron 2	C	C (100%)	T (19%)	C (100%)	C (100%)
23,615,455	Intron 2	C	C (100%)	T (27%)	C (100%)	C (100%)
23,615,427	Intron 2	C	C (100%)	T (4%)*	T (13%)	C (100%)
23,615,423	Intron 2	C	C (100%)	C (100%)	T (14%)	T (4%)*
23,615,415	Intron 2	C	T (3%)*	C (100%)	T (13%)	C (100%)
23,615,352	Intron 2	G	G (100%)	G (100%)	A (16%)	G (100%)
23,615,274	Intron 2	C	C (100%)	C (100%)	T (12%)	C (100%)
23,615,241	Intron 2	C	C (98%)	T (11%)	C (100%)	C (100%)
23,615,234	Intron 2	G	G (100%)	A (21%)	G (100%)	G (100%)
23,615,227	Intron 2	G	G (100%)	G (100%)	A (11%)	G (100%)
23,615,226	Intron 2	G	G (100%)	G (100%)	A (11%)	G (100%)
23,615,221	Intron 2	G	G (100%)	A (13%)	G (100%)	G (100%)
23,615,201	Intron 2	C	C (100%)	C (100%)	T (12%)	C (100%)
23,615,200	Intron 2	C	C (100%)	T (7%)*	T (13%)	C (100%)
23,615,145	Intron 2	G	G (100%)	A (17%)	G (100%)	G (100%)
23,615,129	Intron 2	G	G (96%)	A (11%)	G (100%)	G (100%)
23,615,089	Intron 2	G	G (100%)	G (100%)	A (12%)	G (100%)

23,615,087	Intron 2	G	G (100%)	G (100%)	A (13%)	G (100%)	
23,615,085	Intron 2	G	G (100%)	A (11%)	A (4%)*	G (100%)	
23,615,083	Intron 2	G	G (100%)	A (15%)	A (4%)*	G (100%)	
23,615,082	Intron 2	G	G (98%)	A (15%)	G (100%)	G (100%)	
23,615,064	Intron 2	G	G (100%)	A (11%)	G (100%)	A (4%)*	
23,615,027	Intron 2	C	C (100%)	C (100%)	T (12%)	C (100%)	
23,615,019	Intron 2	G	G (100%)	A (11%)	G (100%)	G (100%)	
23,615,013	Intron 2	G	G (100%)	A (13%)	A (7%)*	G (100%)	
23,614,997	Intron 2	G	G (100%)	G (100%)	A (13%)	G (100%)	
23,614,987	Intron 2	C	C (100%)	T (11%)	C (100%)	C (100%)	
23,614,977	Intron 2	C	C (100%)	T (13%)	T (7%)*	C (100%)	
23,614,952	Intron 2	G	G (100%)	G (100%)**	A (30%)	G (100%)	
23,614,870	Intron 2	C	C (98%)	C (100%)	T (11%)	C (100%)	
23,614,825	Intron 2	C	C (100%)	T (11%)	C (100%)	C (100%)	
23,614,803	Intron 2	G	G (100%)	G (100%)	A (11%)	G (100%)	
23,614,786	Intron 2	G	G (100%)	A (18%)	G (100%)	G (100%)	
23,614,771	Intron 2	C	C (100%)	T (9%)*	T (14%)	C (100%)**	
23,614,767	Intron 2	C	C (97%)	C (100%)	T (11%)	C (100%)**	
23,614,764	Intron 2	C	C (100%)	C (100%)	T (11%)	C (100%)**	
23,614,725	Intron 2	G	G (100%)	A (9%)*	A (15%)	G (100%)	
23,614,722	Intron 2	G	G (100%)	A (4%)*	A (11%)	G (100%)	
23,614,718	Intron 2	G	G (97%)	A (12%)	G (100%)	G (100%)	
23,614,712	Intron 2	G	G (100%)	G (100%)	A (11%)	G (100%)	
23,614,652	Intron 2	G	G (100%)	G (100%)	A (11%)	G (100%)	
23,614,610	Exon 3	AT <u>G</u>	AT <u>A</u> (3%)*	AT <u>G</u> (100%)	AT <u>A</u> (13%)	AT <u>A</u> (3%)*	UAC→Y ₁₀₂ UAU→Y ₁₀₂
23,614,550	3'UTR	C	C (100%)	T (11%)	T (10%)*	C (100%)	
23,614,531	3'UTR	C	C (100%)	T (11%)	T (6%)*	C (100%)	
23,614,520	3'UTR	G	G (100%)	A (13%)	G (100%)	G (100%)	
23,614,478	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)	
23,614,437	3'UTR	G	G (100%)	G (100%)	A (14%)	G (100%)	
23,614,411	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)	
23,614,366	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)	
23,614,346	3'UTR	G	C (98%)	C (100%)	C (100%)**	G (100%)	
23,614,301	3'UTR	C	C (100%)	T (11%)	C (100%)	C (100%)	

23,614,292	Intron 3	G	G (100%)	G (100%)	A (15%)	G (100%)
23,614,278	Intron 3	C	C (100%)	T (5%)*	T (11%)	C (100%)
23,614,217	Intron 3	G	G (100%)	A (15%)	A (3%)*	G (100%)
23,614,214	Intron 3	C	C (97%)	C (100%)	T (3%)*	G (100%)
23,614,176	Intron 3	G	G (100%)	A (5%)*	G (100%)	A (100%)
23,614,150	Intron 3	G	G (100%)	G (100%)	A (17%)	G (100%)
23,614,145	Intron 3	C	C (100%)	A (13%)	C (100%)	C (100%)
23,614,138	Intron 3	C	C (100%)	C (100%)	T (15%)	C (100%)
23,614,104	Intron 3	C	C (100%)	T (12%)	C (100%)	C (100%)
23,614,087	Intron 3	T	C (100%)	C (100%)	C (90%)	C (90%)
23,614,052	Intron 3	C	T (3%)*	C (100%)	T (13%)	C (100%)
23,613,951	Intron 3	C	C (100%)	T (4%)*	T (25%)	C (100%)
23,613,950	Intron 3	C	C (100%)	C (100%)	T (25%)	C (100%)
23,613,948	Intron 3	C	C (100%)	T (14%)	T (17%)	C (100%)
23,613,947	Intron 3	G	G (98%)	G (100%)	A (15%)	G (100%)
23,613,924	Intron 3	C	C (100%)	T (4%)*	T (11%)	C (100%)
23,613,799	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,613,798	Intron 3	C	C (98%)	C (100%)	T (11%)	C (100%)
23,613,744	Intron 3	G	G (100%)	G (100%)	A (13%)	G (100%)
23,613,706	Intron 3	G	G (100%)	A (14%)	G (100%)	G (100%)
23,613,694	Intron 3	G	G (100%)	A (11%)	G (100%)	G (100%)
23,613,690	Intron 3	G	G (100%)	G (100%)	A (12%)	A (100%)
23,613,650	Intron 3	G	G (100%)	A (13%)	A (3%)*	G (100%)
23,613,611	Intron 3	C	C (100%)	C (100%)	T (12%)	C (100%)
23,613,595	Intron 3	C	C (100%)	T (14%)	C (100%)	C (100%)
23,613,470	Intron 3	G	G (100%)	G (100%)	A (12%)	G (100%)
23,613,467	Intron 3	G	G (97%)	G (100%)	A (12%)	G (100%)
23,613,418	Intron 3	G	A (2%)*	A (5%)*	A (11%)	G (100%)
23,613,416	Intron 3	G	G (100%)	G (100%)	A (19%)	G (100%)
23,613,397	Intron 3	C	C (100%)	C (100%)	T (11%)	C (100%)
23,613,395	Intron 3	C	T (2%)*	T (13%)	T (5%)*	C (100%)
23,613,362	Intron 3	C	C (100%)	T (12%)	C (100%)	C (100%)
23,613,361	Intron 3	G	G (100%)	A (13%)	G (100%)	G (100%)
23,613,358	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,613,357	Intron 3	G	G (100%)	A (6%)*	A (16%)	G (100%)

23,613,325	Intron 3	G	G (100%)	A (5%)*	A (12%)	G (100%)
23,613,324	Intron 3	G	G (100%)	A (4%)*	A (16%)	G (100%)
23,613,291	Intron 3	C	C (100%)	T (15%)	C (100%)	C (100%)
23,613,267	Intron 3	G	G (100%)	A (4%)*	A (12%)	G (100%)
23,613,240	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,613,232	Intron 3	G	G (97%)	A (11%)	A (4%)*	G (100%)
23,613,214	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,613,212	Intron 3	C	C (97%)	C (100%)	T (13%)	C (100%)
23,613,207	Intron 3	G	A (3%)*	A (11%)	A (6%)*	G (100%)
23,613,202	Intron 3	C	T (3%)*	C (100%)	T (11%)	C (100%)
23,613,200	Intron 3	C	C (100%)	T (13%)	C (100%)	C (100%)
23,613,191	Intron 3	C	C (100%)	C (100%)	T (11%)	C (100%)
23,613,187	Intron 3	C	C (94%)	C (100%)	C (100%)	T (12%)
23,613,182	Intron 3	G	G (100%)	A (11%)	A (4%)*	G (100%)
23,613,179	Intron 3	G	G (100%)	G (100%)	A (13%)	G (100%)
23,613,146	Intron 3	C	C (100%)	C (100%)	T (13%)	C (100%)
23,613,130	Intron 3	C	C (100%)	T (13%)	C (100%)	C (100%)
23,613,127	Intron 3	C	C (100%)	T (13%)	C (100%)	C (100%)
23,613,079	Intron 3	G	G (100%)	A (12%)	G (100%)	G (100%)
23,613,073	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,613,063	Intron 3	C	C (100%)	C (100%)	T (13%)	C (100%)
23,613,061	Intron 3	C	C (100%)	C (100%)	T (19%)	C (100%)
23,613,048	Intron 3	G	G (100%)	A (8%)*	A (14%)	G (100%)
23,613,046	Intron 3	G	G (100%)	G (100%)	A (15%)	G (100%)
23,613,028	Intron 3	C	C (100%)	T (5%)*	T (17%)	C (93%)
23,613,005	Intron 3	C	C (100%)	T (4%)*	T (13%)	C (100%)
23,613,002	Intron 3	C	C (100%)	T (4%)*	T (21%)	C (100%)
23,612,996	Intron 3	C	C (100%)	T (9%)*	T (15%)	C (100%)
23,612,995	Intron 3	C	T (3%)*	T (4%)*	T (15%)	C (100%)
23,612,989	Intron 3	C	C (100%)	T (11%)	T (18%)	T (6%)*
23,612,988	Intron 3	C	C (100%)	T (11%)	T (8%)*	C (94%)
23,612,982	Intron 3	C	C (96%)	T (13%)	T (7%)*	C (100%)
23,612,960	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,612,834	Intron 3	C	C (100%)	T (10%)*	T (12%)	C (100%)
23,612,833	Intron 3	G	G (100%)	G (100%)	A (16%)	G (100%)

23,612,820	Intron 3	C	C (100%)	T (15%)	C (100%)	C (100%)
23,612,818	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,612,796	Intron 3	G	G (100%)	A (11%)	A (4%)*	G (100%)
23,612,791	Intron 3	A	A (100%)	A (100%)	A (100%)	G (100%)
23,612,737	Intron 3	C	T (100%)	T (100%)	T (100%)	C (100%)
23,612,726	Intron 3	G	G (97%)	A (11%)	A (3%)*	G (100%)
23,612,710	Intron 3	C	C (100%)	T (13%)	T (3%)*	C (100%)**
23,612,676	Intron 3	G	G (100%)	A (13%)	G (100%)	G (100%)
23,612,675	Intron 3	G	G (100%)	A (6%)*	A (14%)	G (100%)
23,612,661	Intron 3	C	T (3%)*	C (100%)	T (13%)	C (100%)
23,612,642	Intron 3	G	G (97%)	A (11%)	G (100%)	G (100%)
23,612,641	Intron 3	G	G (100%)	A (11%)	G (100%)	G (100%)
23,612,633	Intron 3	G	G (97%)	A (14%)	A (4%)*	G (100%)
23,612,631	Intron 3	G	G (97%)	A (13%)	G (100%)	A (4%)*
23,612,600	Intron 3	G	A (10%)*	G (100%)	A (10%)*	G (100%)
23,612,540	Intron 3	C	C (100%)	T (20%)	T (8%)*	C (100%)
23,612,460	Intron 3	C	C (100%)	T (4%)*	T (13%)	C (100%)
23,612,404	Intron 3	G	G (100%)	A (14%)	A (4%)*	G (100%)
23,612,373	Intron 3	C	C (100%)	T (7%)*	T (12%)	C (100%)
23,612,372	Intron 3	C	C (100%)	T (7%)*	T (11%)	C (100%)
23,612,305	Intron 3	A	A (100%)	A (100%)	A (100%)	G (100%)
23,612,296	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,612,272	Intron 3	C	C (100%)	T (7%)*	T (19%)	C (100%)
23,612,258	Intron 3	G	G (100%)	A (12%)	G (94%)	G (100%)
23,612,239	Intron 3	C	C (97%)	C (100%)	T (14%)	C (100%)
23,612,229	Intron 3	G	G (100%)	G (100%)	A (14%)	G (100%)
23,612,210	Intron 3	C	C (100%)	T (4%)*	T (14%)	C (100%)
23,612,202	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,612,155	Intron 3	C	C (100%)	T (13%)	T (7%)*	C (100%)
23,612,144	Intron 3	G	G (100%)	A (13%)	G (100%)	G (100%)
23,612,137	Intron 3	G	G (100%)	G (100%)	A (3%)*	A (100%)
23,612,127	Intron 3	C	T (2%)*	C (100%)	T (13%)	T (9%)*
23,612,115	Intron 3	G	A (2%)*	G (100%)	A (28%)	G (100%)
23,612,110	Intron 3	C	C (100%)	T (4%)*	T (13%)	C (100%)
23,612,102	Intron 3	G	G (100%)	A (11%)	A (12%)	G (100%)

23,612,101	Intron 3	G	G (100%)	G (100%)	A (11%)	G (100%)
23,612,100	Intron 3	G	G (100%)	A (8%)*	A (17%)	G (100%)
23,612,094	Intron 3	G	G (100%)	A (11%)	A (6%)*	G (100%)
23,612,093	Intron 3	G	G (100%)	A (4%)*	A (17%)	G (100%)
23,612,092	Intron 3	G	G (100%)	G (100%)	A (16%)	G (100%)
23,612,091	Intron 3	G	G (100%)	G (100%)	A (16%)	G (100%)
23,612,032	Intron 3	G	A (4%)*	A (13%)	G (97%)	G (100%)
23,611,954	Intron 3	C	T (3%)*	C (100%)	T (11%)	C (100%)
23,611,931	Intron 3	C	T (2%)*	T (5%)*	T (17%)	C (100%)
23,611,930	Intron 3	C	C (100%)	T (14%)	T (9%)*	C (100%)
23,611,926	Intron 3	G	G (100%)	G (100%)	A (20%)	G (100%)
23,611,802	Intron 3	T	T (100%)	C (33%)	T (100%)	T (100%)
23,611,789	Intron 3	A	A (100%)	A (96%)	A (100%)	G (100%)
23,611,730	Intron 3	C	T (2%)*	T (6%)*	T (11%)	C (100%)
23,611,708	Intron 3	G	G (99%)	A (13%)	A (4%)*	G (100%)
23,611,687	Intron 3	C	C (100%)	T (13%)	T (3%)*	C (100%)
23,611,573	Intron 3	C	T (2%)*	T (6%)*	T (13%)	C (100%)
23,611,485	Intron 3	C	C (100%)	C (100%)	T (13%)	C (100%)
23,611,413	Intron 3	A	T (2%)*	T (12%)	A (100%)	A (100%)
23,611,412	Intron 3	A	T (2%)*	T (17%)	T (3%)*	T (3%)*
23,611,411	Intron 3	A	delA (27%)	delA (25%)	delA (14%)	delA (3%)*
23,611,410	Intron 3	A	delA (68%)	delA (44%) T (25%)	delA (50%)	delA (26%)
23,611,378	Intron 3	G	G (100%)	A (17%)	G (100%)	G (100%)
23,611,354	Intron 3	G	G (97%)	A (11%)	G (100%)	G (100%)
23,611,345	Intron 3	A	G (10%)*	A (100%)	A (100%)	A (100%)
23,611,340	Intron 3	C	C (100%)	T (5%)*	T (11%)	C (100%)
23,611,338	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,611,329	Intron 3	C	C (100%)	C (100%)	T (11%)	C (100%)
23,611,302	Intron 3	C	C (100%)	T (11%)	C (100%)	C (100%)
23,611,218	Intron 3	G	A (2%)*	G (100%)	A (12%)	G (100%)
23,611,188	Intron 3	G	G (98%)	A (15%)	A (7%)*	G (100%)
23,611,181	Intron 3	G	G (98%)	A (24%)	A (8%)*	T (100%)
23,611,161	Intron 3	G	G (100%)	G (100%)	A (13%)	G (100%)
23,611,048	Intron 3	G	G (100%)	A (9%)*	A (13%)	G (100%)

23,610,943	Intron 3	C	C (100%)	T (13%)	C (100%)	C (100%)
23,610,937	Intron 3	G	G (100%)	A (19%)	G (100%)	G (100%)
23,610,918	Intron 3	G	G (100%)	A (5%)*	A (19%)	G (100%)
23,610,882	Intron 3	G	G (100%)	G (100%)	A (14%)	G (100%)
23,610,872	Intron 3	C	C (100%)	C (100%)	T (21%)	C (100%)
23,610,870	Intron 3	C	C (100%)	C (100%)	T (15%)	C (100%)
23,610,783	Intron 3	G	G (98%)	A (4%)*	A (11%)	G (100%)
23,610,680	Intron 3	C	C (100%)	C (100%)	T (11%)	C (100%)
23,610,513	Intron 3	C	C (100%)	C (97%)	T (12%)	C (100%)
23,610,497	Intron 3	G	G (100%)	A (12%)	A (11%)	G (100%)
23,610,425	Intron 3	G	G (98%)	G (100%)	A (13%)	G (100%)
23,610,411	Intron 3	C	C (100%)	T (4%)*	T (13%)	C (100%)
23,610,399	Intron 3	G	G (100%)	A (11%)	G (100%)	G (100%)
23,610,393	Intron 3	G	G (100%)	A (15%)	A (6%)*	G (100%)
23,610,389	Intron 3	G	G (100%)	A (11%)	G (100%)	G (100%)
23,610,388	Intron 3	G	G (100%)	A (13%)	A (7%)*	G (100%)
23,610,386	Intron 3	G	G (100%)	A (7%)*	A (13%)	G (100%)
23,610,383	Intron 3	G	A (3%)*	G (100%)	A (13%)	G (100%)**
23,610,377	Intron 3	G	G (100%)	A (17%)	A (13%)	delG (90%)**
23,610,374	Intron 3	G	G (100%)	G (92%)	A (17%)	G (100%)**
23,610,373	Intron 3	G	G (100%)	G (100%)	A (16%)	G (100%)**
23,610,352	Intron 3	C	C (100%)	T (13%)	C (100%)	C (100%)
23,610,348	Intron 3	G	G (96%)	A (13%)	A (6%)*	G (100%)
23,610,347	Intron 3	G	G (100%)	A (21%)	A (6%)*	G (100%)
23,610,262	Intron 3	C	C (100%)	C (100%)	C (100%)	T (100%)
23,610,236	Intron 3	C	C (100%)	T (8%)*	T (11%)	C (100%)
23,610,229	Intron 3	G	G (100%)	A (4%)*	A (12%)	G (100%)
23,610,226	Intron 3	G	A (2%)*	A (13%)	A (13%)	G (100%)
23,610,197	Intron 3	G	A (2%)*	A (11%)	A (9%)*	G (100%)
23,610,192	Intron 3	G	G (100%)	A (5%)*	A (15%)	G (100%)
23,610,189	Intron 3	C	C (100%)	C (100%)	T (18%)	C (100%)
23,610,182	Intron 3	C	C (100%)	C (100%)	T (14%)	C (100%)
23,610,176	Intron 3	G	C (100%)	A (10%)*	A (20%)	C (100%)
23,610,150	Intron 3	G	G (100%)	A (4%)*	A (17%)	G (100%)
23,610,035	3'UTR	C	C (100%)	T (13%)	T (6%)*	C (100%)

23,610,022	3'UTR	G	G (100%)	G (100%)	A (12%)	A (5%)*
23,609,992	3'UTR	G	G (100%)	G (100%)	A (15%)	G (100%)
23,609,989	3'UTR	G	G (100%)	G (96%)	A (14%)	G (100%)
23,609,987	3'UTR	G	A (4%)*	A (8%)*	A (14%)	G (100%)
23,609,861	3'UTR	G	G (100%)	A (13%)	A (7%)*	G (100%)
23,609,860	3'UTR	G	G (93%)	A (20%)	A (14%)	G (100%)
23,609,848	3'UTR	G	G (100%)	A (17%)	A (11%)	G (100%)
23,609,846	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)
23,609,839	3'UTR	G	G (100%)	A (18%)	G (100%)	G (100%)
23,609,832	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)
23,609,814	3'UTR	G	G (100%)	G (100%)	A (11%)	G (100%)
23,609,813	3'UTR	G	G (100%)	G (100%)	A (15%)	G (100%)
23,609,812	3'UTR	G	G (100%)	G (100%)	A (11%)	G (100%)
23,609,799	3'UTR	G	G (100%)	A (14%)	G (100%)	G (100%)
23,609,753	3'UTR	G	G (100%)	A (5%)*	A (13%)	G (100%)
23,609,750	3'UTR	G	G (100%)	A (13%)	G (100%)	G (100%)
23,609,749	3'UTR	G	G (100%)	A (13%)	A (6%)*	G (100%)
23,609,748	3'UTR	G	G (100%)	A (4%)*	A (13%)	G (100%)
23,609,600	3'UTR	C	C (100%)	C (100%)	T (13%)	C (100%)
23,609,599	3'UTR	C	C (100%)	T (8%)*	T (19%)	C (100%)
23,609,533	3'UTR	C	C (100%)	C (100%)	T (17%)	C (100%)
23,609,509	3'UTR	C	C (100%)	C (100%)	T (12%)	T (6%)*
23,609,480	3'UTR	G	A (4%)*	A (4%)*	A (17%)	G (100%)
23,609,477	3'UTR	C	T (4%)*	T (12%)	C (100%)	T (4%)*
23,609,462	3'UTR	C	C (100%)	T (14%)	T (4%)*	C (100%)
23,609,345	3'UTR	C	T (2%)*	T (4%)*	T (12%)	C (100%)
23,609,237	3'UTR	G	G (100%)	G (100%)	A (13%)	G (100%)
23,609,177	3'UTR	G	G (100%)	A (4%)*	A (13%)	G (100%)
23,609,104	3'UTR	G	G (100%)	A (10%)*	A (13%)	G (100%)
23,609,103	3'UTR	G	G (100%)	G (100%)	A (17%)	G (100%)
23,609,100	3'UTR	G	G (100%)	A (8%)*	A (11%)	G (100%)
23,609,099	3'UTR	G	G (100%)	A (13%)	A (5%)*	G (100%)
23,609,020	3'UTR	C	C (100%)	C (100%)	T (12%)	C (100%)
23,608,995	3'UTR	A	T (56%)	T (52%)	A (100%)	A (100%)
23,608,899	3'UTR	G	A (2%)*	A (14%)	G (100%)	G (100%)

23,608,807	3'UTR	G	G (100%)	A (11%)	G (100%)	G (100%)
23,608,721	3'UTR	G	G (100%)	A (12%)	G (100%)	G (100%)
23,608,570	3'UTR	T	T (100%)	A (18%)	T (100%)	T (100%)
23,608,564	3'UTR	T	delT (92%)	delT (53%) G (14%)	delT (92%)	T (100%)
23,608,562	3'UTR	G	G (100%)	T (14%)	A (2%)*	G (100%)
23,608,218	Downstream region	G	G (100%)	A (14%)	G (100%)	G (100%)
23,608,217	Downstream region	G	G (100%)	A (11%)	G (100%)	G (100%)
23,608,213	Downstream region	G	A (2%)*	A (3%)*	A (13%)	G (100%)
23,608,210	Downstream region	G	G (100%)	A (11%)	G (100%)	G (100%)
23,608,053	Downstream region	C	C (98%)	T (11%)	T (7%)*	C (100%)
23,608,036	Downstream region	G	G (100%)	A (12%)	A (13%)	G (100%)
23,608,022	Downstream region	G	A (2%)*	G (100%)	A (4%)*	A (11%)
23,607,996	Downstream region	G	A (2%)*	G (100%)	A (13%)	G (100%)
23,607,829	Downstream region	C	T (2%)*	T (17%)	C (99%)	C (97%)
23,607,793	Downstream region	G	G (100%)	G (100%)	A (15%)	G (100%)
23,607,713	Downstream region	C	C (100%)	C (97%)	T (53%)	C (100%)
23,607,620	Downstream region	C	C (100%)	C (100%)	T (14%)	C (100%)
23,607,585	Downstream region	T	C (94%)	C (100%)	C (97%)	C (100%)
23,607,554	Downstream region	G	A (2%)*	G (100%)	A (15%)	G (100%)
23,607,536	Downstream region	G	G (100%)	A (10%)*	A (16%)	G (100%)
23,607,463	Downstream region	G	G (100%)	G (100%)	A (12%)	G (100%)
23,607,456	Downstream region	G	G (100%)	A (3%)*	A (13%)	G (100%)
23,607,379	Downstream region	G	A (100%)	A (100%)	A (100%)	A (100%)
23,607,309	Downstream region	C	C (100%)	T (5%)*	T (12%)	C (100%)
23,607,244	Downstream region	C	C (100%)	C (100%)	G (41%)	C (100%)
23,607,207	Downstream region	C	C (100%)	C (100%)	T (13%)	C (100%)
23,607,078	Downstream region	C	C (100%)	C (100%)	T (11%)	C (100%)
23,607,034	Downstream region	C	C (100%)	T (4%)*	T (19%)	C (100%)
23,607,027	Downstream region	G	G (100%)	A (4%)*	A (12%)	G (97%)
23,606,942	Downstream region	A	A (100%)	G (12%)	A (100%)	A (100%)
23,606,941	Downstream region		InsG (97%)	InsG (82%)	InsG (49%)	InsG (97%)
23,606,918	Downstream region	G	G (100%)	A (14%)	A (8%)*	G (100%)

23,606,896	Downstream region	C	C (100%)	T (20%)	T (7%)*	C (100%)
23,606,816	Downstream region	G	A (48%)	A (38%)	G (100%)	G (100%)

n.a.: not available; the variant frequency is referred to the percentage of the highlighted base in the sequenced ancient hominine genome, with* frequency \leq 10% and ** counts<10. In light orange are underlined the variants fixed at 100% in modern human compared to ancient hominines.