Table S14. Nucleotide Substitutions in *CST4* gene in introns and regulatory regions

Genomic Coordinates (hg19)	Gene Region	Modern human	Altai Neanderthal (Variant Frequency)	Chagyrskaya Neanderthal (Variant Frequency)	Vindija Neanderthal (Variant Frequency)	Denisovan (Variant Frequency)	Codon → amino acid
23,670,147	Upstream regions	**C**	**C** (100%)	**T** (3%)*	**T** (13%)	**C** (100%)	
23,670,111	Upstream regions	**G**	**A** (3%)*	**A** (3%)*	**A** (11%)	**G** (100%)	
23,670,022	Upstream regions	**G**	**G** (100%)	**A** (10%)*	**A** (12%)	**G** (100%)	
23,669,985	Upstream regions	**C**	**C** (100%)	**T** (23%)	**T** (7%)*	**C** (100%)	
23,669,978	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)	
23,669,971	Upstream regions	**C**	**C** (100%)	**T** (21%)	**T** (4%)*	**C** (100%)	
23,669,967	Upstream regions	**G**	**G** (100%)	**A** (7%)*	**A** (13%)	**G** (100%)	
23,669,962	Upstream regions	**C**	**C** (100%)	**T** (11%)	**T** (12%)	**C** (100%)	
23,669,960	Upstream regions	**C**	**C** (100%)	**T** (11%)	**C** (100%)	**T** (2%)*	
23,669,905	Upstream regions	**C**	**C** (100%)	**T** (10%)*	**T** (11%)	**C** (100%)	
23,669,881	Upstream regions	**C**	**C** (100%)	**T** (6%)*	**T** (11%)	**C** (100%)	
23,669,874	Upstream regions	**C**	**C** (100%)	**T** (7%)*	**T** (14%)	**C** (100%)	
23,669,872	Upstream regions	**C**	**C** (100%)	**T** (8%)*	**T** (13%)	**C** (100%)	
23,669,871	Upstream regions	**C**	**C** (100%)	**T** (8%)*	**T** (11%)	**C** (100%)	
23,669,870	Upstream regions	**C**	**C** (100%)	**T** (8%)*	**T** (13%)	**C** (100%)	
23,669,859	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (14%)	**C** (100%)	
23,669,856	Upstream regions	**C**	**C** (100%)	**T** (14%)	**C** (100%)	**C** (100%)	
23,669,855	Upstream regions	**C**	**C** (100%)	**T** (14%)	**T** (7%)*	**C** (100%)	
23,669,851	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)	
23,669,850	Upstream regions	**C**	**C** (100%)	**T** (7%)*	**T** (12%)	**C** (100%)	
23,669,847	Upstream regions	**C**	**C** (100%)	**T** (7%)*	**T** (12%)	**C** (100%)	
23,669,839	Upstream regions	**C**	**C** (100%)	**T** (13%)	**T** (5%)*	**C** (100%)	
23,669,838	Upstream regions	**C**	**C** (100%)	**T** (18%)	**T** (5%)*	**C** (100%)	
23,669,829	Upstream regions	**C**	**T** (3%)*	**C** (100%)	**T** (18%)	**C** (100%)	
23,669,824	Upstream regions	**C**	**T** (17%)	**T** (5%)*	**T** (27%)	**T** (12%)	
23,669,822	Upstream regions	**C**	**T** (15%)	**T** (15%)	**T** (20%)	**T** (12%)	
23,669,808	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (18%)	**C** (100%)	
23,669,775	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)	

23,669,762	Upstream regions	**C**	**C** (100%)	**T** (3%)*	**T** (11%)	**C** (100%)	
23,669,760	Upstream regions	**C**	**C** (100%)	**T** (3%)*	**T** (14%)	**C** (100%)	
23,669,756	Upstream regions	**C**	**T** (5%)*	**T** (19%)	**T** (9%)*	**T** (29%)	
23,669,745	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (18%)	**C** (100%)	
23,669,741	Upstream regions	**C**	**C** (100%)	**T** (8%)*	**T** (15%)	**C** (100%)	
23,669,740	Upstream regions	**C**	**C** (96%)	**T** (26%)	**T** (20%)	**C** (100%)	
23,669,739	Upstream regions	**C**	**C** (96%)	**T** (17%)	**T** (10%)*	**C** (100%)	
23,669,731	Upstream regions	**C**	**C** (100%)	**T** (14%)	**T** (10%)*	**C** (100%)	
23,669,723	Upstream regions	**C**	**C** (96%)	**T** (17%)	**T** (9%)*	**C** (100%)	
23,669,692	Upstream regions	**G**	**C** (31%)	**C** (27%)	**C** (44%)**	**C** (24%)	
23,669,682	Upstream regions	**C**	**C** (100%)	**C** (100%)	**T** (15%)	**C** (100%)	
23,669,674	Upstream regions	**G**	**A** (3%)*	**G** (100%)	**A** (13%)	**G** (100%)	
23,669,672	Upstream regions	**G**	**A** (3%)*	**A** (27%)	**G** (100%)	**G** (100%)	
23,669,663	Upstream regions	**C**	**T** (41%)	**T** (8%)*	**T** (43%)	**T** (29%)	
23,669,650	5′ UTR	**G**	**G** (100%)	**A** (12%)	**G** (100%)	**G** (100%)	
23,669,630	5′ UTR	**A**	**G** (74%)	**G** (89%)	**G** (52%)	**G** (79%)	
23,669,620	5′ UTR	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**G** (100%)	
23,669,617	5′ UTR	**G**	**G** (100%)	**A** (11%)	**A** (5%)*	**G** (100%)	
23,669,598	Exon 1 (Signal)	GC**C**	GC**C** (100%)	GC**C** (100%)	GC**T** (5%)*	GC**T** (100%)	CGG→ $R_{2(sp)}$ CGA→ $R_{2(sp)}$
23,669,577	Exon 1 (Signal)	GA**G**	GA**G** (100%)	GA**A** (8%)*	GA**A** (11%)	GA**G** (100%)	CUC→$L_{9(sp)}$ CUU→$L_{9(sp)}$
23,669,544	Exon 1	AG**C**	AG**T** (5%)*	AG**C** (100%)	AG**T** (13%)	AG**T** (4%)*	UCG→S_1 UCA→S_1
23,669,538	Exon 1	AG**G**	AG**G** (100%)	AG**G** (100%)	AG**A** (13%)	AG**G** (100%)	UCC→S_3 UCU→S_3
23,669,523	Exon 1	TC**C**	TC**T** (2%)*	TC**C** (100%)	TC**T** (20%)	TC**C** (100%)	AGG→R_8 AGA→R_8
23,669,493	Exon 1	CT**G**	CT**G** (100%)	CT**A** (5%)*	CT**A** (20%)	CT**G** (100%)	GAC→D_{18} GAU→D_{18}
23,669,405	Exon 1	**G**AC	**G**AC (100%)	**A**AC (12%)	**G**AC (100%)	**G**AC (100%)	CUG→L_{48} UUG→L_{48}
23,669,378	Intron 1	**C**	**C** (100%)	**T** (16%)	**T** (6%)*	**C** (100%)	
23,669,368	Intron 1	**G**	**G** (100%)	**A** (11%)	**G** (100%)	**G** (100%)	
23,669,367	Intron 1	**G**	**G** (100%)	**A** (12%)	**G** (100%)	**G** (100%)	
23,669,359	Intron 1	**C**	**C** (100%)	**T** (5%)*	**T** (13%)	**T** (6%)*	
23,669,356	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)	
23,669,354	Intron 1	**C**	**C** (100%)	**T** (6%)*	**T** (18%)	**C** (100%)	
23,669,345	Intron 1	**G**	**G** (100%)	**A** (11%)	**G** (100%)	**G** (100%)	
23,669,278	Intron 1	**G**	**G** (100%)	**A** (5%)*	**A** (15%)	**G** (100%)	

23,669,208	Intron 1	**A**	**C** (100%)	**C** (100%)	**C** (100%)	**A** (100%)
23,669,024	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,668,993	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,668,992	Intron 1	**G**	**G** (97%)	**G** (100%)	**A** (14%)	**G** (100%)
23,668,988	Intron 1	**G**	**G** (100%)	**A** (19%)	**G** (100%)	**G** (100%)
23,668,971	Intron 1	**G**	**G** (100%)	**A** (6%)*	**A** (19%)	**G** (100%)
23,668,966	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,668,957	Intron 1	**G**	**G** (97%)	**A** (17%)	**A** (6%)*	**G** (100%)
23,668,956	Intron 1	**G**	**G** (100%)	**A** (6%)*	**A** (11%)	**G** (100%)
23,668,937	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,668,933	Intron 1	**G**	**G** (100%)	**A** (18%)	**A** (7%)*	**G** (100%)
23,668,932	Intron 1	**G**	**G** (100%)	**A** (18%)	**A** (7%)*	**G** (100%)
23,668,931	Intron 1	**G**	**G** (100%)	**A** (18%)	**G** (100%)	**G** (100%)
23,668,911	Intron 1	**G**	**G** (100%)	**A** (15%)	**A** (17%)**	**G** (100%)
23,668,891	Intron 1	**G**	**G** (100%)	**A** (11%)	**G** (100%)**	**G** (100%)
23,668,890	Intron 1	**G**	**G** (100%)	**A** (16%)	**G** (100%)**	**G** (100%)
23,668,848	Intron 1	**G**	**G** (100%)	**A** (11%)**	**G** (100%)	**A** (13%)
23,668,829	Intron 1	**C**	**T** (97%)	**T** (100%)**	**T** (100%)	**C** (100%)
23,668,801	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)
23,668,798	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)
23,668,796	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (15%)	**C** (100%)
23,668,765	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (14%)	**C** (100%)
23,668,750	Intron 1	**C**	**T** (4%)*	**C** (100%)	**T** (13%)	**C** (100%)
23,668,709	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,668,681	Intron 1	**G**	**G** (100%)	**A** (10%)*	**G** (100%)	**A** (96%)
23,668,664	Intron 1	**G**	**G** (100%)	**A** (14%)	**A** (5%)*	**G** (100%)
23,668,663	Intron 1	**G**	**G** (98%)	**G** (100%)	**A** (14%)	**G** (100%)
23,668,639	Intron 1	**C**	**C** (100%)	**T** (12%)	**T** (9%)*	**C** (100%)
23,668,636	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,668,596	Intron 1	**G**	**G** (98%)	**G** (100%)	**A** (13%)	**G** (100%)
23,668,581	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (12%)	**C** (100%)
23,668,573	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,668,572	Intron 1	**G**	**G** (100%)	**A** (14%)	**A** (6%)*	**G** (100%)
23,668,554	Intron 1	**G**	**G** (100%)	**A** (12%)	**A** (11%)	**G** (100%)
23,668,546	Intron 1	**G**	**G** (100%)	**G** (100%)	**G** (100%)	**T** (100%)

23,668,494	Intron 1	**C**	**C** (100%)	**G** (96%)	**G** (100%)	**G** (100%)	
23,668,492	Intron 1	**G**	**G** (100%)	**A** (16%)	**A** (8%)*	**G** (100%)	
23,668,475	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (12%)	**G** (100%)	
23,668,364	Intron 1	**C**	**C** (100%)	**T** (8%)*	**T** (13%)	**C** (100%)	
23,668,361	Intron 1	**C**	**C** (100%)	**T** (12%)	**C** (100%)	**C** (100%)	
23,668,345	Intron 1	**C**	**C** (98%)	**C** (100%)	**T** (12%)	**C** (100%)	
23,668,343	Intron 1	**C**	**C** (100%)	**C** (100%)	**T** (17%)	**C** (100%)	
23,668,214	Intron 1	**C**	**C** (100%)	**T** (3%)*	**T** (11%)	**C** (100%)	
23,668,111	Intron 1	**C**	**C** (100%)	**T** (11%)	**T** (4%)*	**C** (100%)	
23,668,091	Intron 1	**G**	**G** (100%)	**A** (3%)*	**A** (11%)	**G** (100%)	
23,668,033	Intron 1	**G**	**A** (98%)	**A** (100%)	**A** (98%)	**G** (100%)	
23,668,002	Intron 1	**G**	**G** (100%)	**A** (6%)*	**A** (17%)	**G** (100%)	
23,667,973	Intron 1	**C**	**G** (14%)	**C** (90%)	**C** (95%)	**C** (100%)	
23,667,957	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (21%)	**G** (100%)	
23,667,917	Intron 1	**G**	**G** (100%)	**A** (4%)*	**A** (3%)*	**A** (23%)	
23,667,866	Intron 1	**G**	**A** (2%)*	**A** (7%)*	**A** (18%)	**G** (100%)	
23,667,862	Intron 1	**G**	**G** (100%)	**G** (100%)	**A** (13%)	**G** (100%)	
23,667,797	Exon 2	CC**G**	CC**G** (100%)	CC**G** (100%)	CC**A** (13%)	CC**G** (100%)	GGC→G_{70} GGU→G_{70}
23,667,794	Exon 2	GC**G**	GC**T** (20%)	GC**T** (12%)	GC**T** (23%)	GC**T** (12%)	CGC→R_{71} CGA→R_{71}
23,667,782	Exon 2	TG**G**	TG**A** (3%)	TG**G** (100%)	TG**A** (15%)	TG**G** (100%)	ACC→T_{75} ACU→T_{75}
23,667,767	Exon 2	TT**G**	TT**G** (100%)	TT**G** (100%)	TT**A** (12%)	TT**G** (100%)	AAC→N_{80} AAU→N_{80}
23,667,720	Intron 2	**C**	**T** (3%)*	**C** (100%)	**T** (15%)	**C** (100%)	
23,667,675	Intron 2	**G**	**G** (100%)	**G** (100%)	**A** (13%)	**G** (100%)	
23,667,674	Intron 2	**C**	**C** (100%)	**T** (6%)*	**T** (13%)	**C** (100%)	
23,667,657	Intron 2	**A**	**G** (100%)	**G** (100%)	**G** (94%)	**G** (100%)	
23,667,612	Intron 2	**C**	**C** (100%)	**T** (18%)	**T** (22%)**	**C** (100%)	
23,667,606	Intron 2	**C**	**C** (100%)	**T** (15%)	**T** (14%)**	**C** (100%)	
23,667,572	Intron 2	**T**	**C** (11%)	**C** (11%)	**C** (25%)**	**C** (9%)*	
23,667,568	Intron 2	**C**	**T** (11%)	**T** (18%)	**T** (33%)**	**T** (9%)*	
23,667,558	Intron 2	**T**	**G** (10%)*	**G** (16%)	**G** (30%)*	**G** (12%)	
23,667,521	Intron 2	**G**	**A** (100%)	**A** (95%)	**A** (100%)	**G** (96%)	
23,667,514	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)	
23,667,496	Intron 2	**C**	**C** (97%)	**C** (100%)	**T** (12%)	**C** (100%)	
23,667,472	Intron 2	**C**	**C** (100%)	**T** (13%)	**T** (7%)*	**C** (100%)	

23,667,466	Intron 2	**C**	**C** (100%)	**T** (17%)	**T** (6%)*	**C** (100%)
23,667,425	Intron 2	**C**	**C** (100%)	**T** (5%)*	**T** (13%)	**C** (100%)
23,667,392	Intron 2	**G**	**G** (100%)	**G** (100%)	**A** (12%)	**G** (100%)
23,667,376	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (12%)	**C** (100%)
23,667,375	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)
23,667,374	Intron 2	**C**	**C** (100%)	**T** (6%)*	**T** (13%)	**C** (100%)
23,667,373	Intron 2	**C**	**C** (100%)	**T** (6%)*	**T** (14%)	**C** (100%)
23,667,368	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)
23,667,361	Intron 2	**C**	**C** (100%)	**T** (7%)*	**T** (13%)	**C** (100%)
23,667,360	Intron 2	**C**	**T** (3%)*	**T** (7%)*	**T** (13%)	**C** (100%)
23,667,359	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (20%)	**C** (100%)
23,667,358	Intron 2	**C**	**C** (100%)	**T** (21%)	**T** (25%)	**C** (100%)
23,667,353	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)
23,667,351	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (18%)	**C** (100%)
23,667,322	Intron 2	**C**	**C** (100%)	**T** (17%)	**T** (3%)*	**C** (100%)
23,667,312	Intron 2	**G**	**G** (100%)	**G** (100%)	**A** (12%)	**G** (100%)
23,667,306	Intron 2	**C**	**C** (100%)	**T** (21%)	**T** (8%)*	**C** (100%)
23,667,287	Intron 2	**C**	**T** (11%)	**T** (22%)	**T** (23%)	**T** (20%)
23,667,260	Intron 2	**T**	**T** (100%)	**G** (21%)	**G** (26%)	**T** (100%)
23,667,255	Intron 2	**G**	**C** (26%)	**C** (26%)	**C** (42%)	**G** (98%)
23,667,236	Intron 2	**C**	**C** (100%)	**T** (13%)	**T** (4%)*	**C** (100%)
23,667,225	Intron 2	**T**	**G** (16%)	**G** (26%)	**G** (13%)	**G** (16%)
23,667,209	Intron 2	**G**	**C** (9%)*	**C** (23%)	**C** (8%)*	**C** (6%)*
23,667,134	Intron 2	**C**	**C** (100%)	**T** (18%)	**C** (100%)	**C** (100%)
23,667,127	Intron 2	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,667,098	Intron 2	**T**	**C** (100%)	**C** (100%)	**T** (100%)**	**C** (23%)
23,667,054	Intron 2	**G**	**A** (3%)*	**A** (11%)	**G** (100%)**	**G** (100%)
23,667,052	Intron 2	**G**	**G** (100%)	**A** (11%)	**G** (100%)**	**G** (100%)
23,667,042	Intron 2	**G**	**G** (100%)	**A** (21%)	**G** (100%)**	**G** (100%)
23,667,036	Intron 2	**T**	**G** (100%)	**G** (75%) **G** (25%)	**G** (75%)** **G** (25%)**	**G** (13%)
23,667,012	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)
23,667,011	Intron 2	**C**	**C** (97%)	**T** (7%)*	**T** (11%)	**C** (100%)
23,666,999	Intron 2	**G**	**G** (100%)	**A** (24%)	**G** (100%)	**G** (100%)
23,666,986	Intron 2	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**G** (100%)

23,666,971	Intron 2	**C**	**T** (2%)*	**T** (11%)	**T** (5%)*	**C** (100%)
23,666,960	Intron 2	**C**	**T** (14%)	**C** (100%)	**T** (18%)	**C** (100%)
23,666,924	Intron 2	**T**	**C** (3%)*	**T** (100%)	**T** (100%)	**C** (38%)
23,666,923	Intron 2	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**G** (100%)
23,666,920	Intron 2	**G**	**G** (100%)	**A** (18%)	**G** (100%)	**G** (100%)
23,666,905	Intron 2	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**G** (100%)
23,666,888	Intron 2	**G**	**G** (100%)	**A** (6%)*	**A** (20%)	**G** (100%)
23,666,882	Intron 2	**G**	**G** (97%)	**A** (13%)	**G** (100%)	**G** (100%)
23,666,857	Intron 2	**T**	**G** (100%)	**G** (100%)**	**G** (91%)	**T** (100%)
23,666,851	Intron 2	**G**	**G** (100%)	**G** (100%)**	**A** (17%)	**G** (100%)
23,666,812	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (7%)*	**T** (100%)
23,666,804	Intron 2	**C**	**C** (98%)	**T** (6%)*	**T** (20%)	**C** (100%)
23,666,778	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (13%)	**C** (100%)
23,666,762	Intron 2	**C**	**C** (100%)	**C** (100%)	**T** (12%)	**C** (100%)
23,666,752	Intron 2	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**G** (100%)
23,666,728	Intron 2	**C**	**C** (100%)	**T** (12%)	**C** (100%)	**C** (100%)
23,666,726	Intron 2	**C**	**C** (100%)	**T** (12%)	**C** (100%)	**C** (100%)
23,666,719	Intron 2	**C**	**T** (100%)	**T** (100%)	**T** (100%)	**C** (100%)
23,666,690	Intron 2	**C**	**G** (94%)	**G** (100%)	**G** (100%)**	**G** (100%)**
23,666,665	Intron 2	**G**	**G** (100%)	**A** (15%)	**G** (100%)	**G** (100%)
23,666,650	Intron 2	**G**	**G** (100%)	**A** (13%)	**G** (100%)	**A** (6%)*
23,666,644	Intron 2	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,666,642	Intron 2	**C**	**C** (98%)	**C** (100%)	**T** (13%)	**C** (100%)
23,666,528	3′UTR	**C**	**C** (100%)	**T** (11%)	**C** (100%)	**C** (100%)
23,666,526	3′UTR	**G**	**G** (100%)	**A** (11%)	**G** (100%)	**G** (100%)
23,666,524	3′UTR	**C**	**C** (98%)	**C** (100%)	**T** (17%)	**C** (100%)
23,666,496	3′UTR	**G**	**G** (100%)	**A** (14%)	**A** (25%)**	**G** (100%)
23,666,484	3′UTR	**T**	**G** (96%)	**G** (100%)	**G** (67%)**	**T** (100%)
23,666,442	3′UTR	**C**	**C** (100%)	**T** (17%)	**T** (8%)*	**C** (100%)
23,666,437	3′UTR	**C**	**A** (85%)	**A** (100%)	**A** (100%)	**C** (100%)
23,666,435	3′UTR	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,666,433	3′UTR	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,666,431	3′UTR	**G**	**G** (100%)	**G** (100%)	**A** (13%)	**G** (100%)
23,666,423	3′UTR	**G**	**A** (3%)*	**G** (100%)	**A** (11%)	**G** (100%)
23,666,395	3′UTR	**C**	**C** (100%)	**T** (11%)	**C** (100%)	**C** (100%)

23,666,368	3′UTR	**G**	**A** (2%)*	**G** (95%)	**A** (26%)	**G** (100%)
23,666,364	3′UTR	**G**	**G** (100%)	**A** (14%)	**A** (15%)	**G** (100%)
23,666,361	3′UTR	**G**	**G** (100%)	**A** (5%)*	**A** (11%)	**G** (100%)
23,666,359	3′UTR	**G**	**G** (98%)	**G** (100%)	**A** (11%)	**G** (100%)
23,666,331	3′UTR	**T**	**G** (22%)	**G** (12%)	**G** (6%)*	**G** (27%)
23,666,330	3′UTR	**G**	**G** (100%)	**G** (100%)	**A** (18%)	**G** (100%)
23,666,329	3′UTR	**G**	**G** (100%)	**G** (100%)	**A** (17%)	**G** (100%)
23,666,319	3′UTR	**C**	**C** (100%)	**C** (100%)	**T** (14%)	**C** (100%)
23,666,271	Downstream regions	**G**	**G** (100%)	**A** (5%)*	**A** (13%)	**G** (100%)
23,666,257	Downstream regions	**C**	**C** (100%)	**T** (13%)	**T** (7%)*	**C** (100%)
23,666,241	Downstream regions	**T**	**C** (9%)*	**T** (100%)	**C** (4%)*	**C** (11%)
23,666,196	Downstream regions	**C**	**G** (89%)	**G** (80%)	**G** (86%)**	**G** (100%)
23,666,181	Downstream regions	**G**	**C** (97%)	**C** (90%)	**C** (100%)**	**G** (92%)
23,666,158	Downstream regions	**C**	**T** (100%)	**T** (100%)	**T** (100%)	**C** (100%)
23,666,145	Downstream regions	**G**	**G** (100%)	**A** (12%)	**G** (100%)	**G** (100%)
23,666,144	Downstream regions	**G**	**G** (100%)	**A** (12%)	**G** (100%)	**G** (100%)
23,666,113	Downstream regions	**G**	**G** (97%)	**A** (12%)	**G** (100%)	**G** (100%)
23,666,111	Downstream regions	**G**	**G** (100%)	**G** (100%)	**A** (14%)	**G** (100%)
23,666,051	Downstream regions	**C**	**C** (100%)	**T** (13%)	**C** (100%)	**C** (100%)
23,666,026	Downstream regions	**C**	**C** (100%)	**T** (13%)	**C** (100%)	**C** (100%)
23,666,014	Downstream regions	**C**	**C** (100%)	**T** (13%)	**T** (4%)*	**C** (100%)
23,666,013	Downstream regions	**C**	**C** (100%)	**T** (16%)	**T** (4%)*	**C** (100%)
23,665,990	Downstream regions	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)
23,665,955	Downstream regions	**C**	**T** (100%)	**T** (100%)	**T** (100%)	**C** (100%)
23,665,951	Downstream regions	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**T** (6%)*
23,665,950	Downstream regions	**C**	**C** (100%)	**T** (12%)	**T** (10%)*	**C** (100%)
23,665,949	Downstream regions	**C**	**C** (100%)	**T** (12%)	**T** (10%)*	**C** (100%)
23,665,942	Downstream regions	**C**	**C** (100%)	**C** (100%)	**T** (11%)	**C** (100%)
23,665,940	Downstream regions	**C**	**C** (100%)	**T** (7%)*	**T** (11%)	**C** (100%)
23,665,933	Downstream regions	**C**	**C** (100%)	**C** (100%)	**T** (15%)	**C** (100%)
23,665,929	Downstream regions	**C**	**C** (100%)	**T** (7%)*	**T** (11%)	**C** (100%)
23,665,928	Downstream regions	**C**	**C** (100%)	**T** (8%)*	**T** (11%)	**C** (100%)

23,665,916	Downstream regions	**C**	**C** (100%)	**T** (6%)*	**T** (13%)	**C** (100%)
23,665,898	Downstream regions	**C**	**C** (100%)	**T** (11%)	**C** (100%)	**C** (100%)
23,665,862	Downstream regions	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,665,835	Downstream regions	**G**	**G** (100%)	**G** (100%)	**A** (11%)	**G** (100%)
23,665,834	Downstream regions	**G**	**G** (100%)	**A** (14%)	**G** (100%)	**G** (100%)
23,665,832	Downstream regions	**G**	**G** (100%)	**A** (5%)*	**A** (11%)	**G** (100%)
23,665,827	Downstream regions	**G**	**G** (100%)	**A** (14%)	**G** (100%)	**G** (100%)
23,665,790	Downstream regions	**G**	**G** (100%)	**A** (4%)*	**A** (12%)	**G** (100%)
23,665,772	Downstream regions	**T**	**A** (4%)*	**A** (13%)	**T** (100%)	**A** (5%)*
23,665,726	Downstream regions	**C**	**A** (19%)	**A** (12%)	**A** (4%)*	**C** (100%)
23,665,720	Downstream regions	**C**	**T** (5%)*	**T** (6%)*	**T** (12%)	**C** (100%)
23,665,718	Downstream regions	**C**	**A** (73%)	**A** (68%)	**A** (59%)	**C** (100%)
23,665,714	Downstream regions	**C**	**C** (100%)	**T** (23%)	**T** (11%)	**C** (100%)
23,665,712	Downstream regions	**T**	**C** (5%)*	**T** (100%)	**T** (100%)	**C** (32%)
23,665,711	Downstream regions	**T**	**A** (5%)*	**T** (100%)	**T** (100%)	**A** (32%)
23,665,710	Downstream regions	**G**	**C** (3%)*	**G** (100%)	**G** (100%)	**C** (24%)
23,665,708	Downstream regions	**C**	**C** (100%)	**A** (15%)	**A** (4%)*	**C** (100%)
23,665,707	Downstream regions	**T**	**T** (100%)	**T** (100%)	**T** (100%)	**A** (14%)
23,665,706	Downstream regions	**A**	**A** (100%)	**A** (100%)	**A** (100%)	**C** (14%)

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