

X Chromosome Position (GRCh37, hg19 build)	rsID	Reference Allele	Alternate Allele	Predicted Protein Consequence	Transcript Consequence	CADD Score	Alternate Allele Count (AC)	Total Allele Number (AN)	Minor Allele Frequency (MAF) (among all chromosomes successfully genotyped at that position)	Allele Count in the population with the highest MAF	Total number of alleles in the population with the maximum MAF	Maximum observed MAF across all genotyped populations (excluding samples of Ashkenazi, Finnish, and unknown ancestry)	Alternate Allele Count (All Males in gnomAD Database)	Total Allele (All Males in gnomAD Database)	
15618959	rs1299103394	T	C	p.Lys26Glu	c.76A>G	11.44	1	183,326	5.45E-06	1	81,870	0.0012%	1	67,760	
15618958	rs4646116	T	C	p.Lys26Arg	c.77A>G	10.49	728	183,330	3.97E-03	483	81,876	0.5899%	259	67,766	
15618956	rs781255386	T	C	p.Thr27Ala	c.79A>G	12.53	2	183,319	1.09E-05	2	27,385	0.0073%	0	67,753	
15618932	rs1348114695	C	T	p.Glu35Lys	c.103G>A	4.551	3	183,374	1.64E-05	2	13,847	0.0144%	1	67,810	
15618926	rs146676783	C	T	p.Glu37Lys	c.109G>A	23.7	6	183,339	3.27E-05	1	13,163	0.0076%	3	67,777	
15618915	rs924799658	G	T	p.Phe40Leu	c.120C>A	6.419	3	183,233	1.64E-05	3	27,349	0.0110%	0	67,671	
15618906	rs1447927937	A	T	p.Ser43Arg	c.129T>A	22	1	183,088	5.46E-06	1	18,988	0.0053%	0	67,526	
15613067	rs766996587	C	T	p.Met82Ile	c.246G>A	0.017	2	182,758	1.09E-05	2	13,148	0.0152%	0	67,236	
15613063	rs759134032	G	T	p.Pro84Thr	c.250C>A	3.543	1	182,792	5.47E-06	1	18,823	0.0053%	0	67,270	
15613038	rs763395248	G	A	p.Thr92Ile	c.275C>T	2.403	2	182,553	1.10E-05	2	7,040	0.0284%	2	67,019	
15599437	rs759579097	C	T	p.Gly326Glu	c.977G>A	12.88	1	181,266	5.52E-06	1	13,058	0.0077%	0	65,872	
15599428	rs143936283	T	C	p.Glu329Gly	c.986A>G	12.24	5	181,401	2.76E-05	4	81,369	0.0049%	0	65,981	
15599359	rs370610075	C	A	p.Gly352Val	c.1055G>T	24.9	1	173,847	5.75E-06	1	78,468	0.0013%	0	59,229	
15599351	rs961360700	C	T	p.Asp355Asn	c.1063G>A	23.8	2	170,310	1.17E-05	2	77,178	0.0026%	0	56,170	
15591568	rs200973492	A	G	p.Val488Ala	c.1463T>C	22.6	1	158,104	6.32E-06	1	11,663	0.0086%	0	49,072	
15582298	rs41303171	T	C	p.Asn720Asp	c.2158A>G	15.09	2732	166,545	1.64E-02				923	54,257	
Subtotal (p.Asn720Asp - not at SARS-CoV-2 Spike Protein Binding Interface)								2732							
Subpopulation-specific Prevalence (at least one p.Asn720Asp allele)															
Subtotal (Rare Missense SNVs at SARS-CoV-2 Spike Protein Binding Interface)								759							
Subpopulation-specific Prevalence (at least one rare missense SNVs at SARS-CoV-2 Spike Protein binding interface)									0.004142537						

Minor Allele Frequency (MAF) (All Males in gnomAD Database)	Alternate Allele Count (All Females in gnomAD Database)	Total Allele Number (All Females in gnomAD Database)	Minor Allele Frequency (MAF) (All Females in gnomAD Database)	Alternate Allele Count Ashkenazi Jewish Ancestry	Total Allele Number Ashkenazi Jewish Ancestry	Minor Allele Frequency (MAF) Ashkenazi Jewish Ancestry	Alternate Allele Count Ashkenazi Jewish Males	Total Allele Number Ashkenazi Jewish Males	Minor Allele Frequency (MAF) Ashkenazi Jewish Males	Alternate Allele Count Ashkenazi Jewish Females	Total Allele Number Ashkenazi Jewish Females	Minor Allele Frequency (MAF) Ashkenazi Jewish Females	Alternate Allele Count North-Western European Ancestry	Total Allele Number North-Western European Ancestry
1.48E-05	0	115,566	0.00E+00	0	7,485	0	0	2,585	0	0	4,900	0	0	30,821
3.82E-03	469	115,564	4.06E-03	90	7,483	0.012027262	37	2,583	0.014324429	53	4,900	0.010816327	208	30,823
0.00E+00	2	115,566	1.73E-05	0	7,485	0	0	2,585	0	0	4,900	0	0	30,823
1.47E-05	2	115,564	1.73E-05	0	7,482	0	0	2,582	0	0	4,900	0	1	30,826
4.43E-05	3	115,562	2.60E-05	0	7,479	0	0	2,579	0	0	4,900	0	0	30,818
0.00E+00	3	115,562	2.60E-05	0	7,480	0	0	2,580	0	0	4,900	0	0	30,800
0.00E+00	1	115,562	8.65E-06	0	7,477	0	0	2,577	0	0	4,900	0	0	30,763
0.00E+00	2	115,522	1.73E-05	0	7,471	0	0	2,571	0	0	4,900	0	0	30,727
0.00E+00	1	115,522	8.66E-06	0	7,470	0	0	2,570	0	0	4,900	0	0	30,731
2.98E-05	0	115,534	0.00E+00	0	7,477	0	0	2,577	0	0	4,900	0	0	30,731
0.00E+00	1	115,394	8.67E-06	0	7,441	0	0	2,543	0	0	4,898	0	0	30,397
0.00E+00	5	115,420	4.33E-05	0	7,448	0	0	2,550	0	0	4,898	0	1	30,440
0.00E+00	1	114,618	8.72E-06	0	7,025	0	0	2,159	0	0	4,866	0	0	28,562
0.00E+00	2	114,140	1.75E-05	0	6,759	0	0	1,929	0	0	4,830	0	1	27,814
0.00E+00	1	109,032	9.17E-06	0	6,523	0	0	1,785	0	0	4,738	0	0	24,554
1.70E-02	1809	112,288	1.61E-02	106	6,316	0.016782774	28	1,650	0.016969697	78	4,666	0.016716674	746	27,700
1.70%			1.61%						1.70%			1.67%		
1.70%			3.22%						1.70%			3.34%		
0.39%			0.43%						1.43%			1.08%		
0.39%			0.85%						1.43%			2.16%		

Minor Allele Frequency (MAF) Western European Ancestry	Alternate Allele Count Non-Finnish Europeans	Total Allele Number Non-Finnish Europeans	Minor Allele Frequency (MAF) Non-Finnish Europeans	Alternate Allele Count Non-Finnish European Males	Total Allele Number Non-Finnish European Males	Minor Allele Frequency (MAF) Non-Finnish European Males	Alternate Allele Count Non-Finnish European Females	Total Allele Number Non-Finnish European Females	Minor Allele Frequency (MAF) Non-Finnish European Females	Alternate Allele Count Non-Finnish Europeans (of Otherwise indeterminate Ancestry)	Total Allele Number Non-Finnish Europeans (of Otherwise indeterminate Ancestry)	Minor Allele Frequency (MAF) Non-Finnish Europeans (of Otherwise indeterminate Ancestry)	Alternate Allele Count Swedish Ancestry	Total Allele Number Swedish Ancestry
0	1	81,870	1.22145E-05	1	31,716	3.15298E-05	0	50,154	0	0	22,665	0	1	19,164
0.006748208	483	81,876	0.005899165	180	31,724	0.005673938	303	50,152	0.006041633	141	22,669	0.006219948	99	19,164
0	0	81,875	0	0	31,721	0	0	50,154	0	0	22,668	0	0	19,164
3.24401E-05	1	81,891	1.22114E-05	0	31,739	0	1	50,152	1.99394E-05	0	22,682	0	0	19,163
0	0	81,876	0	0	31,726	0	0	50,150	0	0	22,675	0	0	19,162
0	0	81,854	0	0	31,700	0	0	50,154	0	0	22,669	0	0	19,163
0	0	81,803	0	0	31,649	0	0	50,154	0	0	22,654	0	0	19,164
0	0	81,741	0	0	31,605	0	0	50,136	0	0	22,641	0	0	19,150
0	0	81,743	0	0	31,605	0	0	50,138	0	0	22,636	0	0	19,154
0	0	81,689	0	2	31,551	0	0	50,138	0	0	22,626	0	0	19,144
0	0	81,315	0	0	31,231	0	0	50,084	0	0	22,547	0	0	19,160
3.28515E-05	4	81,369	4.91588E-05	0	31,277	0	4	50,092	7.98531E-05	2	22,556	8.86682E-05	0	19,161
0	1	78,468	1.2744E-05	0	28,644	0	1	49,824	2.00706E-05	1	21,742	4.59939E-05	0	19,077
3.59531E-05	2	77,178	2.59141E-05	0	27,538	0	2	49,640	4.02901E-05	1	21,311	4.69241E-05	0	19,036
0	0	73,143	0	0	25,105	0	0	48,038	0	0	20,626	0	0	18,951
0.026931408	1971	76,316	0.025826825	678	27,288	0.024846086	1293	49,028	0.026372685	561	20,875	0.026874251	542	18,843
						2.48%				2.64%				
						2.48%				5.27%				
						0.58%				0.62%				
						0.58%				1.24%				

Minor Allele Frequency (MAF) Swedish Ancestry	Alternate Allele Count Estonian Ancestry	Total Allele Number Estonian Ancestry	Minor Allele Frequency (MAF) Estonian Ancestry	Alternate Allele Count Bulgarian Ancestry	Total Allele Number Bulgarian Ancestry	Minor Allele Frequency (MAF) Bulgarian Ancestry	Alternate Allele Count Southern Europeans	Total Allele Number Southern Europeans	Minor Allele Frequency (MAF) Southern Europeans	Alternate Allele Count Samples of Uncertain Ancestry	Total Allele Number Samples of Uncertain Ancestry	Minor Allele Frequency (MAF) Samples of Uncertain Ancestry	Alternate Allele Count Males of Uncertain Ancestry
5.21812E-05	0	197	0	0	1,983	0	0	7,040	0	0	4,527	0	0
0.005165936	1	197	0.005076142	10	1,983	0.005042864	24	7,040	0.003409091	17	4,528	0.003754417	5
0	0	197	0	0	1,983	0	0	7,040	0	0	4,529	0	0
0	0	197	0	0	1,983	0	0	7,040	0	0	4,529	0	0
0	0	197	0	0	1,983	0	0	7,041	0	0	4,527	0	0
0	0	197	0	0	1,982	0	0	7,043	0	0	4,523	0	0
0	0	197	0	0	1,983	0	0	7,042	0	0	4,516	0	0
0	0	197	0	0	1,982	0	0	7,044	0	0	4,524	0	0
0	0	197	0	0	1,981	0	0	7,044	0	0	4,524	0	0
0	0	197	0	0	1,981	0	2	7,040	0.000284091	0	4,514	0	0
0	0	195	0	0	1,982	0	0	7,034	0	0	4,443	0	0
0	0	196	0	0	1,982	0	1	7,034	0.000142167	1	4,441	0.000225175	0
0	0	189	0	0	1,968	0	0	6,930	0	0	4,222	0	0
0	0	186	0	0	1,956	0	0	6,875	0	0	4,129	0	0
0	0	178	0	0	1,953	0	0	6,881	0	0	3,680	0	0
0.028763997	7	180	0.038888889	31	1,936	0.016012397	84	6,782	0.012385727	50	4,016	0.012450199	20



Total Allele Number Males of Uncertain Ancestry	Minor Allele Frequency (MAF) Males of Uncertain Ancestry	Alternate Allele Count Females of Uncertain Ancestry	Total Allele Number Females of Uncertain Ancestry	Minor Allele Frequency (MAF) Females of Uncertain Ancestry	Alternate Allele Count Latino Ancestry	Total Allele Number Latino Ancestry	Minor Allele Frequency (MAF) Latino Ancestry	Alternate Allele Count Males of Latino Ancestry	Total Allele Number Males of Latino Ancestry	Minor Allele Frequency (MAF) Males of Latino Ancestry	Alternate Allele Count Females of Latino Ancestry	Total Allele Number Females of Latino Ancestry	Minor Allele Frequency (MAF) Females of Latino Ancestry	Alternate Allele Count Africans
1,599	0	0	2,928	0	0	27,386	0	0	7,118	0	0	20,268	0	0
1,600	0.003125	12	2,928	0.004098361	90	27,389	0.00328599	20	7,121	0.00280859	70	20,268	0.00345372	13
1,601	0	0	2,928	0	2	27,385	7.30327E-05	0	7,117	0	2	20,268	9.86777E-05	0
1,601	0	0	2,928	0	0	27,394	0	0	7,126	0	0	20,268	0	0
1,599	0	0	2,928	0	0	27,387	0	0	7,119	0	0	20,268	0	1
1,595	0	0	2,928	0	3	27,349	0.000109693	0	7,083	0	3	20,266	0.000148031	0
1,588	0	0	2,928	0	0	27,320	0	0	7,056	0	0	20,264	0	0
1,598	0	0	2,926	0	0	27,302	0	0	7,042	0	0	20,260	0	2
1,598	0	0	2,926	0	0	27,310	0	0	7,052	0	0	20,258	0	0
1,588	0	0	2,926	0	0	27,267	0	0	7,007	0	0	20,260	0	0
1,519	0	0	2,924	0	0	26,817	0	0	6,615	0	0	20,202	0	1
1,519	0	1	2,922	0.000342231	0	26,833	0	0	6,625	0	0	20,208	0	0
1,332	0	0	2,890	0	0	25,656	0	0	5,720	0	0	19,936	0	0
1,247	0	0	2,882	0	0	25,097	0	0	5,313	0	0	19,784	0	0
998	0	0	2,682	0	0	22,256	0	0	3,870	0	0	18,386	0	1
1,210	0.016528926	30	2,806	0.010691376	64	23,747	0.00269508	12	4,601	0.00260813	52	19,146	0.00271597	39
	1.65%			1.07%						0.26%			0.27%	
	1.65%			2.14%						0.26%			0.54%	
	0.31%			0.44%						0.28%			0.37%	
	0.31%			0.89%						0.28%			0.74%	

Total Allele Number Africans	Minor Allele Frequency (MAF) Africans	Alternate Allele Count African Males	Total Allele Number African Males	Minor Allele Frequency (MAF) African Males	Alternate Allele Count African Females	Total Allele Number African Females	Minor Allele Frequency (MAF) African Females	Alternate Allele Count South Asians	Total Allele Number South Asians	Minor Allele Frequency (MAF) South Asians	Alternate Allele Count South Asian Males	Total Allele Number South Asian Males	Minor Allele Frequency (MAF) South Asian Males	Alternate Allele Count South Asian Females
13,161	0	0	3,091	0	0	10,070	0	0	19,045	0	0	11,501	0	0
13,162	0.000987692	4	3,092	0.001293661	9	10,070	0.000893744	25	19,044	0.001312749	9	11,500	0.000782609	16
13,162	0	0	3,092	0	0	10,070	0	0	19,034	0	0	11,490	0	0
13,162	0	0	3,092	0	0	10,070	0	0	19,061	0	0	11,517	0	0
13,163	7.59705E-05	0	3,093	0	1	10,070	9.93049E-05	0	19,055	0	0	11,511	0	0
13,160	0	0	3,090	0	0	10,070	0	0	19,030	0	0	11,486	0	0
13,157	0	0	3,087	0	0	10,070	0	1	18,988	5.26648E-05	0	11,444	0	1
13,148	0.000152114	0	3,078	0	2	10,070	0.00019861	0	18,809	0	0	11,267	0	0
13,143	0	0	3,073	0	0	10,070	0	1	18,823	5.31265E-05	0	11,283	0	1
13,147	0	0	3,077	0	0	10,070	0	0	16,692	0	0	11,152	0	0
13,058	7.65814E-05	0	2,994	0	1	10,064	9.93641E-05	0	18,541	0	0	11,021	0	0
13,070	0	0	3,002	0	0	10,068	0	0	18,577	0	0	11,047	0	0
12,788	0	0	2,736	0	0	10,052	0	0	16,880	0	0	9,450	0	0
12,716	0	0	2,662	0	0	10,054	0	0	15,981	0	0	8,585	0	0
11,663	8.57412E-05	0	2,115	0	1	9,548	0.000104734	0	14,330	0	0	7,464	0	0
12,775	0.003052838	10	2,795	0.003577818	29	9,980	0.002905812	66	15,207	0.004340107	40	7,937	0.005039688	26
				0.36%			0.29%						0.50%	
				0.36%			0.58%						0.50%	
				0.13%			0.14%						0.08%	
				0.13%			0.28%						0.08%	

Total Allele Number South Asian Females	Minor Allele Frequency (MAF) South Asian Females	Alternate Allele Count Finnish	Total Allele Number Finnish	Minor Allele Frequency (MAF) Finnish	Alternate Allele Count Finnish Males	Total Allele Number Finnish Males	Minor Allele Frequency (MAF) Finnish Males	Alternate Allele Count Finnish Females	Total Allele Number Finnish Females	Minor Allele Frequency (MAF) Finnish Females	Alternate Allele Count East Asians	Total Allele Number East Asians	Minor Allele Frequency (MAF) East Asians
7,544	0	0	16,008	0	0	5,634	0	0	10,374	0	0	13,844	0
7,544	0.002120891	9	16,008	0.000562219	4	5,634	0.000709975	5	10,374	0.000481974	1	13,840	7.22543E-05
7,544	0	0	16,006	0	0	5,632	0	0	10,374	0	0	13,843	0
7,544	0	0	16,008	0	0	5,634	0	0	10,374	0	2	13,847	0.000144436
7,544	0	5	16,006	0.000312383	3	5,632	0.00053267	2	10,374	0.00019279	0	13,846	0
7,544	0	0	16,003	0	0	5,631	0	0	10,372	0	0	13,834	0
7,544	0.000132556	0	16,003	0	0	5,629	0	0	10,374	0	0	13,824	0
7,542	0	0	15,942	0	0	5,580	0	0	10,362	0	0	13,821	0
7,540	0.000132626	0	15,953	0	0	5,589	0	0	10,364	0	0	13,826	0
7,540	0	0	15,953	0	0	5,581	0	0	10,372	0	0	13,814	0
7,520	0	0	15,989	0	0	5,615	0	0	10,374	0	0	13,662	0
7,530	0	0	15,990	0	0	5,616	0	0	10,374	0	0	13,673	0
7,430	0	0	15,739	0	0	5,411	0	0	10,328	0	0	13,069	0
7,396	0	0	15,563	0	0	5,283	0	0	10,280	0	0	12,887	0
6,866	0	0	15,498	0	0	5,224	0	0	10,274	0	0	11,011	0
7,270	0.003576341	436	15,384	0.028341134	135	5,132	0.026305534	301	10,252	0.029360125	0	12,784	0
	0.36%						2.63%			2.94%			
	0.72%						2.63%			5.87%			
	0.24%						0.12%			0.07%			
	0.48%						0.12%			0.13%			

