

SARS-CoV-2 & Sulfolobus turreted icosahedral virus.apr

		Section 1									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(1)	1	10	20	30	40	50	60	70	80	
	(1)	ATTAAAGGTTTATACCTTCCCAGGTAACAAACCAACCAACTTTTCGATCTCTTGTAGATCTGTTCTCTAAACGAACCTTTAA									
	(1)	-----									
		Section 2									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(81)	81	90	100	110	120	130	140	150	160	
	(81)	AATCTGTGTGGCTGTCACTCGGCTGCATGCTTAGTGCACCTCACGCAGTATAATTAATAACTAATTACTGTCGTTGACAGG									
	(1)	-----									
		Section 3									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(161)	161	170	180	190	200	210	220	230	240	
	(161)	ACACGAGTAACTCGTCTATCTTCTGCAGGCTGCTTACGGTTTCGTCCGTGTTGCAGCCGATCATCAGCACATCTAGGTTT									
	(1)	-----									
		Section 4									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(241)	241	250	260	270	280	290	300	310	320	
	(241)	CGTCCGGGTGTGACCGAAAGGTAAGATGGAGAGCCTTGTCCCTGGTTTCAACGAGAAAACACACGTCCAACCTCAGTTTGC									
	(1)	-----									
		Section 5									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(321)	321	330	340	350	360	370	380	390	400	
	(321)	CTGTTTTACAGGTTTCGCGACGTGCTCGTACGTGGCTTTGGAGACTCCGTGGAGGAGGTCTTATCAGAGGCACGTCAACAT									
	(1)	-----									
		Section 6									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(401)	401	410	420	430	440	450	460	470	480	
	(401)	CTTAAAGATGGCACTTGTGGCTTAGTAGAAGTTGAAAAAGGCGTTTTGCCTCAACTTGAACAGCCCTATGTGTTTCATCAA									
	(1)	-----									
		Section 7									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(481)	481	490	500	510	520	530	540	550	560	
	(481)	ACGTTCCGATGCTCGAACTGCACCTCATGGTCATGTTATGGTTGAGCTGGTAGCAGAACTCGAAGGCATTTCAGTACGGTC									
	(1)	-----									

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		Section 8									
SARS-CoV-2 Reference Genome NC_045512.2	(561)	561	570	580	590	600	610	620	630	640	
	(561)	GTAGTGGTGAGACACTTGGTGTCTTGTCCCTCATGTGGGCGAAATACCAGTGGCTTACCGCAAGGTTCTTCTTCGTAAG									
	(1)	-----									
		Section 9									
SARS-CoV-2 Reference Genome NC_045512.2	(641)	641	650	660	670	680	690	700	710	720	
	(641)	AACGGTAATAAAGGAGCTGGTGGCCATAGTTACGGCGCCGATCTAAAGTCATTTGACTTAGGCGACGAGCTTGGCACTGA									
	(1)	-----									
		Section 10									
SARS-CoV-2 Reference Genome NC_045512.2	(721)	721	730	740	750	760	770	780	790	800	
	(721)	TCCTTATGAAGATTTTCAAGAAAACCTGGAACACTAAACATAGCAGTGGTGTACCCGTGAACCTCATGCGTGAGCTTAACG									
	(1)	-----									
		Section 11									
SARS-CoV-2 Reference Genome NC_045512.2	(801)	801	810	820	830	840	850	860	870	880	
	(801)	GAGGGGCATACACTCGCTATGTCGATAACAACCTTCTGTGGCCCTGATGGCTACCCCTCTTGAGTGCATTAAAGACCTTCTA									
	(1)	-----									
		Section 12									
SARS-CoV-2 Reference Genome NC_045512.2	(881)	881	890	900	910	920	930	940	950	960	
	(881)	GCACGTGCTGGTAAAGCTTCATGCACTTTGTCCGAACAACCTGGACTTTATTGACACTAAGAGGGGTGTATACTGCTGCCG									
	(1)	-----									
		Section 13									
SARS-CoV-2 Reference Genome NC_045512.2	(961)	961	970	980	990	1000	1010	1020	1030	1040	
	(961)	TGAACATGAGCATGAAATTGCTTGGTACACGGAACGTTCTGAAAAGAGCTATGAATTGCAGACACCTTTTGAAATTAAAT									
	(1)	-----									
		Section 14									
SARS-CoV-2 Reference Genome NC_045512.2	(1041)	1041	1050	1060	1070	1080	1090	1100	1110	1120	
	(1041)	TGGCAAAGAAATTTGACACCTTCAATGGGGAATGTCCAAATTTTGATTTCCCTTAAATTCCATAATCAAGACTATTCAA									
	(1)	-----									

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		Section 15									
SARS-CoV-2 Reference Genome NC_045512.2	(1121)	1121	1130	1140	1150	1160	1170	1180	1190	1200	
	(1121)	CCAAGGGTTGAAAAGAAAAAGCTTGATGGCTTTATGGGTAGAATTGATCTGTCTATCCAGTTGCGTCACCAAATGAATG									
	(1)	-----									
		Section 16									
SARS-CoV-2 Reference Genome NC_045512.2	(1201)	1201	1210	1220	1230	1240	1250	1260	1270	1280	
	(1201)	CAACCAAATGTGCCTTTCAACTCTCATGAAGTGTGATCATTGTGGTGAACTTCATGGCAGACGGGCGATTTTGTTAAAG									
	(1)	-----									
		Section 17									
SARS-CoV-2 Reference Genome NC_045512.2	(1281)	1281	1290	1300	1310	1320	1330	1340	1350	1360	
	(1281)	CCACTTGCGAATTTTGTGGCACTGAGAATTTGACTAAAGAAGGTGCCACTACTTGTGGTTACTTACCCCAAATGCTGTT									
	(1)	-----									
		Section 18									
SARS-CoV-2 Reference Genome NC_045512.2	(1361)	1361	1370	1380	1390	1400	1410	1420	1430	1440	
	(1361)	GTTAAAATTTATTGTCCAGCATGTCACAATTCAGAAGTAGGACCTGAGCATAGTCTTGCCGAATACCATAATGAATCTGG									
	(1)	-----									
		Section 19									
SARS-CoV-2 Reference Genome NC_045512.2	(1441)	1441	1450	1460	1470	1480	1490	1500	1510	1520	
	(1441)	CTTGAAAACCATTCCTTCGTAAGGGTGGTCGCACATTGCCTTTGGAGGCTGTGTGTTCTCTTATGTTGGTTGCCATAACA									
	(1)	-----									
		Section 20									
SARS-CoV-2 Reference Genome NC_045512.2	(1521)	1521	1530	1540	1550	1560	1570	1580	1590	1600	
	(1521)	AGTGTGCCTATTGGGTTCCACGTGCTAGCGCTAACATAGGTTGTAACCATACAGGTGTTGTTGGAGAAGGTTCCGAAGGT									
	(1)	-----									
		Section 21									
SARS-CoV-2 Reference Genome NC_045512.2	(1601)	1601	1610	1620	1630	1640	1650	1660	1670	1680	
	(1601)	CTTAATGACAACCTTCTTGAAATACTCCAAAAAGAGAAAGTCAACATCAATATTGTTGGTGACTTTAACTTAATGAAGA									
	(1)	-----									

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		Section 22							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(1681)	1681	1690	1700	1710	1720	1730	1740	1750 1760
	(1681)	GATCGCCATTATTTTGGCATCTTTTCTGCTTCCACAAGTGCTTTTGTGGAACTGTGAAAGGTTTGGATTATAAAGCAT							
	(1)	-----							
		Section 23							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(1761)	1761	1770	1780	1790	1800	1810	1820	1830 1840
	(1761)	TCAAACAAATTGTTGAATCCTGTGGTAATTTTAAAGTTACAAAAGGAAAAGCTAAAAAAGGTGCCTGGAATATTGGTGAA							
	(1)	-----							
		Section 24							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(1841)	1841	1850	1860	1870	1880	1890	1900	1910 1920
	(1841)	CAGAAATCAATACTGAGTCCTCTTTATGCATTTGCATCAGAGGCTGCTCGTGTGTACGATCAATTTTCTCCCGCACTCT							
	(1)	-----							
		Section 25							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(1921)	1921	1930	1940	1950	1960	1970	1980	1990 2000
	(1921)	TGAAACTGCTCAAAATTCTGTGCGTGTTTTACAGAAGGCCGCTATAACAATACTAGATGGAATTTACAGTATTTCACTGA							
	(1)	-----							
		Section 26							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2001)	2001	2010	2020	2030	2040	2050	2060	2070 2080
	(2001)	GACTCATTGATGCTATGATGTTACATCTGATTTGGCTACTAACAATCTAGTTGTAATGGCCTACATTACAGGTGGTGTT							
	(1)	-----							
		Section 27							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2081)	2081	2090	2100	2110	2120	2130	2140	2150 2160
	(2081)	GTTTCAGTTGACTTCGCAGTGGCTAACTAACATCTTTGGCACTGTTTATGAAAACTCAAACCCGTCCTTGATTGGCTTGA							
	(1)	-----							
		Section 28							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2161)	2161	2170	2180	2190	2200	2210	2220	2230 2240
	(2161)	AGAGAAGTTTAAAGGAAGGTGTAGAGTTTCTTAGAGACGGTTGGGAAATTGTTAAATTTATCTCAACCTGTGCTTGTGAAA							
	(1)	-----							

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		Section 29							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2241)	2241	2250	2260	2270	2280	2290	2300	2310
	(2241)	TTGTCGGTGGACAAATTGTCACCTGTGCAAAGGAAATTAAGGAGAGTGTTTCAGACATTCTTTAAGCTTGTAATAAATTT							
	(1)	-----							
		Section 30							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2321)	2321	2330	2340	2350	2360	2370	2380	2390
	(2321)	TTGGCTTTGTGTGCTGACTCTATCATTATTGGTGGAGCTAAACTTAAAGCCTTGAATTTAGGTGAAACATTTGTCACGCA							
	(1)	-----							
		Section 31							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2401)	2401	2410	2420	2430	2440	2450	2460	2470
	(2401)	CTCAAAGGGATTGTACAGAAAGTGTGTTAAATCCAGAGAAGAACTGGCCTACTCATGCCTCTAAAAGCCCCAAAAGAAA							
	(1)	-----							
		Section 32							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2481)	2481	2490	2500	2510	2520	2530	2540	2550
	(2481)	TTATCTTCTTAGAGGGAGAAACACTTCCCACAGAAGTGTTAACAGAGGAAGTTGTCTTGAAAAGTGGTGATTTACAACCA							
	(1)	-----							
		Section 33							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2561)	2561	2570	2580	2590	2600	2610	2620	2630
	(2561)	TTAGAACAACCTACTAGTGAAGCTGTTGAAGCTCCATTGGTTGGTACACCAGTTTGTATTAACGGGCTTATGTTGCTCGA							
	(1)	-----							
		Section 34							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2641)	2641	2650	2660	2670	2680	2690	2700	2710
	(2641)	AATCAAAGACACAGAAAAGTACTGTGCCCTTGACCTAATATGATGGTAACAAACAATACCTTCACACTCAAAGGCGGTG							
	(1)	-----							
		Section 35							
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2721)	2721	2730	2740	2750	2760	2770	2780	2790
	(2721)	CACCAACAAAGGTTACTTTTGGTGATGACACTGTGATAGAAGTGCAAGGTTACAAGAGTGTTGAATATCACTTTTGAACCTT							
	(1)	-----							
		2800							

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		Section 36									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2801)	2801	2810	2820	2830	2840	2850	2860	2870	2880	
	(2801)	GATGAAAGGATTGATAAAGTACTTAATGAGAAGTGCTCTGCCTATACAGTTGAACTCGGTACAGAAGTAAATGAGTTCGC									
	(1)	-----									
		Section 37									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2881)	2881	2890	2900	2910	2920	2930	2940	2950	2960	
	(2881)	CTGTGTTGTGGCAGATGCTGTCATAAAAACCTTTGCAACCAGTATCTGAATTACTTACACCACTGGGCATTGATTTAGATG									
	(1)	-----									
		Section 38									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(2961)	2961	2970	2980	2990	3000	3010	3020	3030	3040	
	(2961)	AGTGGAGTATGGCTACATACTACTTATTTGATGAGTCTGGTGAGTTTAAATTGGCTTCACATATGTATTGTTCTTTCTAC									
	(1)	-----									
		Section 39									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3041)	3041	3050	3060	3070	3080	3090	3100	3110	3120	
	(3041)	CCTCCAGATGAGGATGAAGAAGAAGGTGATTGTGAAGAAGAAGAGTTTGAGCCATCAACTCAATATGAGTATGGTACTGA									
	(1)	-----									
		Section 40									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3121)	3121	3130	3140	3150	3160	3170	3180	3190	3200	
	(3121)	AGATGATTACCAAGGTAAACCTTTGGAATTTGGTGCCACTTCTGCTGCTCTTCAACCTGAAGAAGAGCAAGAAGAAGATT									
	(1)	-----									
		Section 41									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3201)	3201	3210	3220	3230	3240	3250	3260	3270	3280	
	(3201)	GGTTAGATGATGATAGTCAACAACTGTTGGTCAACAAGACGGCAGTGAGGACAATCAGACAACCTACTATTCAAACAATT									
	(1)	-----									
		Section 42									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3281)	3281	3290	3300	3310	3320	3330	3340	3350	3360	
	(3281)	GTTGAGGTTCAACCTCAATTAGAGATGGAACCTACACCAGTTGTTTCAGACTATTGAAGTGAATAGTTTTAGTGGTTATTT									
	(1)	-----									

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		Section 43									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3361)	3361	3370	3380	3390	3400	3410	3420	3430	3440	
	(3361)	AAAACCTTACTGACAATGTATACATTAAATGCAGACATTGTGGAGAGAGCTAAAAGGTAAAACCAACAGTGGTTGTTA									
	(1)	-----TAAATATGGGTTTAGGTTTCAGAAATTTGAGAGAT-GTATTAGATGCTTTAAGGAAAAACATAGCAGATAGTTTAG									
		Section 44									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3441)	3441	3450	3460	3470	3480	3490	3500	3510	3520	
	(3441)	ATGCAGCCAAATGTTTACCTTAAACATGGAGGAGGTGTTGCAGGAGCCTTAAATAAGGCTACTAACAATGCCATGCAGTT									
	(72)	CAGAAGCTAGAAAGCGTTAGGAAGAGGCAGGAGGAGATGTAGCAGCAGCTAGAGCAGCGGAAGAATTGGCACCCGAAGAAATA									
		Section 45									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3521)	3521	3530	3540	3550	3560	3570	3580	3590	3600	
	(3521)	GAATCTGATGATTACATAGCTACTAATGGACCACCTTAAAGTGGGTGGTAGTTGTGTTTAAAGCGGACACAATCTTGCTAA									
	(152)	GCAGCTAGACAATTAGACCTAGCAGATTTCTTACGAAGAATTAGAGGAAAGAGAGCTTTAGCGAAGAAATAGCACCTAT									
		Section 46									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3601)	3601	3610	3620	3630	3640	3650	3660	3670	3680	
	(3601)	ACACTGTCTTCAATGTTGTCGGGCCCAATGTTAACAAAGGTGAAGACATTCAACTTCTAAGAGTGCTTATGAAAATTTTA									
	(232)	AGCAGATGAAGAAGAAGCATTAAAGAGAGCAGAAATAGCAGATGAAGAAAGAGCGCT-AAGAGAAAGAGTAGGAAAGATTG									
		Section 47									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3681)	3681	3690	3700	3710	3720	3730	3740	3750	3760	
	(3681)	ATCAGCACGAAGTTCTACTTGCACCAATTATTAATCAGCTGGTATTTTTGTGCTGACCCTATACATTCCTTAAGAGTTTGT									
	(311)	AGTGGCTTGAAGAAAGCAGCGTTAGCAGGTTTAGGAATTTGAGGCGGCCGCATTAGGTGGATT-AGCATTTATACAGGTTTAC									
		Section 48									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3761)	3761	3770	3780	3790	3800	3810	3820	3830	3840	
	(3761)	GTAGATACTGTTTCGCACAAATGTCTACTTAGCTGTCCTTTGATAAAATCTCTATGACAACCTTGTTTCAAGCTTTTGA									
	(390)	TTGAATAGAAATCAGCCGGT-TCTCCCTACAATTTCCCAAAATCCAAAGCTCTCCAACCTAACTTTACCCCTCTCTCCAGCC									
		Section 49									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3841)	3841	3850	3860	3870	3880	3890	3900	3910	3920	
	(3841)	AATGAAGAGTGAAA--AGCAAGTTGAACAAAGAGATCGGCTGAGAT--TCCTAAAGAGGAAGTTAAGCCATTATTAAGCTGAA									
	(469)	CCTACAACCTTCCTCCAACCTAAGTTACCAAACTCTCCGCGCTCTTGGCGCTGTCCCCGGAATCCCTCTAGTCTAGT									

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		Section 50									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(3921)	3921	3930	3940	3950	3960	3970	3980	3990	4000	
	(3917)	AGTAAACCTTCAGTTGAACAGAGAAAACAAGATGATAAGAAAATCAAAAGCTTGCTGTGAAGAAAGTTACAAACAACCTCTGGA									
	(549)	AGCCCAAGCTCTCCAGCGGGCGTAGTAGAGGCAGGCCCAATGGCTATGCGAGGCGTAGTACCAAGCCCAAGCAGCCCT-A									
		Section 51									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4001)	4001	4010	4020	4030	4040	4050	4060	4070	4080	
	(3997)	AGAAACTAAGTTCCTCACAGAAAACTTGTTA-----CTTTATATTGACATTAAATGGCAATCTTCATCCAGATTCT--TG									
	(628)	GCTCACCAAGCTCACCAAGTAGTCACTCTCTGGAAGTCTTGAGGCTGACCTAAACAAAAGGTATTTGGTGTTACAGTG									
		Section 52									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4081)	4081	4090	4100	4110	4120	4130	4140	4150	4160	
	(4068)	CCACCTCTTGTTAGTAGACATTGACATCACTTTCTTAAAGAAAGATGCTCCATATATAGTGGGTGATGTTGTTCAAG--AGG									
	(708)	TGGGTTTGATAGTTATAGCGCTAGTGAFCATAGCTTTAGTCAATATATTATATCTATCATAAGAAGCACAAGCACGG									
		Section 53									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4161)	4161	4170	4180	4190	4200	4210	4220	4230	4240	
	(4146)	GTGTTTTAAC TGCTGTGGTTATACCTACTAAAAAGGCTGGTGCACTACTGAAATGCTAGCGAAGCTTTGAGAAAAGTG									
	(788)	GTGAGATAAGATGGCATTAGGAGATGCAATAGGAGACATTTGCTGATGAGATACGAAGTTATTTATCCGATTTATATGGAGG									
		Section 54									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4241)	4241	4250	4260	4270	4280	4290	4300	4310	4320	
	(4226)	CCACACAGACAAATATATAACCACTTACC CGGGTCAAGGTTTAATGGTTACACTGTAGAGGAGGC AAGACAGTCTTTAA									
	(868)	ATTA-AGAAGAGTATATAGC-ACTACG CCGGGTAAATTC TAGCAATAGGAGGAGCTGCAGGGTTAGGCGCTG-GATTTGC									
		Section 55									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4321)	4321	4330	4340	4350	4360	4370	4380	4390	4400	
	(4306)	AAAGTGTAAGTGCCTTTTACATTCTACCATCTATTATCTCTAATGAGAAGCAAGAAATTCCTGGAACTGTTTCTTGGA									
	(945)	TAGGTGCAGGAATTGGCGCCGGAAATACACGGTTTCG-AGATAGGAGAAATATGGAGGGAATCCGTTAAATCCTTTGTAGTA									
		Section 56									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(4401)	4401	4410	4420	4430	4440	4450	4460	4470	4480	
	(4386)	A TTTTCGAGAAA TGC TTGCACATGCAGAAAGAAA CACGCAAAATTAATGCCTGTCTGTGTGAAAACTAAAGCCATAGTTTCA									
	(1024)	C TTTTCGT-ACGTGC CATATTCTCCTTACGCC CAC-CGAATGAAAGAGAACC CCTCAGAAA TTTATAGAAACTACGAG									

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		Section 57																	
		(4481)	4481	4490	4500	4510	4520	4530	4540	4550	4560								
SARS-CoV-2 Reference Genome NC_045512.2	(4466)		A	CTATA	CAGCGT	TAAATA	TAAGGG	TATTA	AAATAC	AAGAGGG	TGTGGTTG	GATTAT	GGTGT	CATAG	ATTTT	ACTTT	TATAC	CACC	CAG
Sulfolobus turreted icosahedral virus NC_005892	(1102)		T	CTTGG	CGCTT	TCTT	TAAATCC	GTTAG	TAAATT	ACGATA	ATCATC	TATC	ATTG	GATCAT	AGTGA	TAGTG	TTTCT	AAATAG	CTACGC
		Section 58																	
		(4561)	4561	4570	4580	4590	4600	4610	4620	4630	4640								
SARS-CoV-2 Reference Genome NC_045512.2	(4546)		T	AAACAA	CTGTAG	CGTCA	CTTAT	CAACAC	ACTTA	ACGAT	CTCTAA	ATGA	AACTCT	TTGTT	ACAAT	GCCACT	TGGCT	ATAGT	AA
Sulfolobus turreted icosahedral virus NC_005892	(1182)		GG	AAAGTA	AGGGG	GGATGT	AAAT	GAAACA	ATTGA	AGAA	ATTCAG	TATG	AGGAC	AGCAG	GAGG	ATCAG	GATAC	TCCCG	-GCTCAA
		Section 59																	
		(4641)	4641	4650	4660	4670	4680	4690	4700	4710	4720								
SARS-CoV-2 Reference Genome NC_045512.2	(4626)		C	ACATGG	CTTAAT	T-TGG	AAGAG	CTGCT	CGGTAT	ATGAG	ATCTCA	AAAGT	GCCAG	CTAC	AGTTT	CTGT	TTTCT	TTTCA	CC
Sulfolobus turreted icosahedral virus NC_005892	(1261)		ACT	AAAA	CGTAG	TAGTTC	AGCAG	AAATCC	CAAGT	T-AT	TCTG	GGAT	TTTCA	--GTG	TG-GAT	TATG	GATTT	ATCA	TTATATTAG
		Section 60																	
		(4721)	4721	4730	4740	4750	4760	4770	4780	4790	4800								
SARS-CoV-2 Reference Genome NC_045512.2	(4705)		T	GATGCT	GTTAC	AGCGT	TATA	AATGGT	TATCT	TACTT	CTTCT	TCTAA	AACAC	CCT-G	AAGAAC	ATTTT	TATT	GAA	-CCATCTC
Sulfolobus turreted icosahedral virus NC_005892	(1337)		TG	CTAAT	TCTG	TAGT	TTTG	ATAA	TAAAT	TGAGG	TGAA	ACG-GT	GAGA	AGATCA	AAGAGG	TGGA	TTCA	GAA	GGCGAT
		Section 61																	
		(4801)	4801	4810	4820	4830	4840	4850	4860	4870	4880								
SARS-CoV-2 Reference Genome NC_045512.2	(4783)		A	CTTGCT	GGTTCT	TATAAA	GATGGT	CCTATT	CTGG	ACAATCT	ACAACT	-----	AGGT	ATAGA	ATTTC	TTA	AGAG		
Sulfolobus turreted icosahedral virus NC_005892	(1416)		AC	ATTAC	GGAG	CTTTG	AAAA	AAATGGT	TGAAG	AAAG	ACAATC	CTGA	ATTGT	TGAA	AGGAA	ACGG	CGAA	ATAG	CGTTTACA
		Section 62																	
		(4881)	4881	4890	4900	4910	4920	4930	4940	4950	4960								
SARS-CoV-2 Reference Genome NC_045512.2	(4855)		A	GGTGATA	AAAGT	TGTAT	ATTAC	ACATA	---G	TAAATC	CTAC	CACAT	TCCAC	CTAG	ATG	TGAAG	TTA--	TACCT	TTGACA
Sulfolobus turreted icosahedral virus NC_005892	(1496)		A	ACTTAG	AGAA	TTFAT	GAGAA	ACATA	AAGG	ATGAA	CTTA	CAGAT	-CAC	CGTA	-AGC	GTCAA	ATTAA	ACTTAG	CACTTACAT
		Section 63																	
		(4961)	4961	4970	4980	4990	5000	5010	5020	5030	5040								
SARS-CoV-2 Reference Genome NC_045512.2	(4930)		T	CTTAA	GACACT	CTTCT	TTTGA	GAGAA	GTGAG	GA	CTA	TTAAG	GTGT	TTACA	ACAGT	AGACAA	CATT	AACTCC	ACACGC
Sulfolobus turreted icosahedral virus NC_005892	(1574)		TA	-CA	TAAAA	TGGCA	ATGAGA	AGGAG	GAAGA	AGAA	AAGTTA	AGCGT	GGT--	ATAGT	GCAATT	CTTAG	ACCTG	CACTTGA	

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		Section 64									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5041)	5041	5050	5060	5070	5080	5090	5100	5110	5120	
	(5010)	AAGT	TGTGGACATGT	CAATGACATA	TGGACAACAGT	TGGTCC	AAC	TATTTGGAT	GGAGCTGATG	TTACTAA	AA-TAA
	(1651)	ACAC	TGTCCCTTATCA	CAATCGTAC	TGGATTGTTCT	TACGAA	TAT	CATTTAT	TCGAAAAT	ATGAGGAA	AA
		Section 65									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5121)	5121	5130	5140	5150	5160	5170	5180	5190	5200	
	(5089)	ACCTCAT	AATTCACATG	AAGGTAA	AACATT	TTATGTT	TTACCT	AATGATG	ACACTCT	ACGTGTT	TGAGGC
	(1731)	AGGTTAG	AGGAGAGAAC	AAGATGGA	TGGAA	TACATAA	TAAAGAGAA	GAA	TTAAAGAA	TGATA	AGGCATT
		Section 66									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5201)	5201	5210	5220	5230	5240	5250	5260	5270	5280	
	(5169)	ACCACACAAC	TGATCTAG	TTTTCTGG	GTAGGTAC	ATGTCAG	CATTAA	TCACTAA	AAAGT	TGAAAT	ACCCAC
	(1809)	AC	TTT--CTTTT	TTCCCA	TTTGCT--	GTGGG-G	ATT	AGTCT	TTGACT	TCCTG	AAAT---
		Section 67									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5281)	5281	5290	5300	5310	5320	5330	5340	5350	5360	
	(5249)	AATG	GTTTAACTTCTAT	TAAATGG	GCAGAT	AACAAC	TGTTAT	CTTGCACT	GCATTG	TTAA	CCTCCAA
	(1880)	AGAC	GTAAAGAG----	TGCAAGAT	GATACAA	TTATT	TTATATT	CTTCTC	----	TTCTCTT	TATTG
		Section 68									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5361)	5361	5370	5380	5390	5400	5410	5420	5430	5440	
	(5329)	GAAG	TTTTAA	TCCAC	TGCTC	-TACAG	ATG	C-TTATT	ACAGAGCA	AGGG	CTGG
	(1951)	-T	AGCAG	AA	GAT	AAC	GATAC	TATTT	AATTC	TCGATT	CTGAGAT
		Section 69									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5441)	5441	5450	5460	5470	5480	5490	5500	5510	5520	
	(5407)	CTT	AGCT	TACTGT	TAA-TA	AGACA	GTAGG	TGA-GT	TAGGT	GATG	TTAGAGAAAC
	(2029)	GAA	AAC	TACTC	TTTC	TGA	TTTT	GTTTA	TAA	TAA	TTGT
		Section 70									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(5521)	5521	5530	5540	5550	5560	5570	5580	5590	5600	
	(5485)	T-TT	AGAT	TCT	TGCA-AAA	AGTCT	TTGAAC	GTGGT	GTGTAA	AACT	TGTGGAC
	(2104)	TTAG	AGTC	TAA	TGCA	AAAA	ATT	TTTAA	AAC	CTT	TAG

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		Section 71																							
		(5601)	5601	5610	5620	5630	5640	5650	5660	5670	5680														
SARS-CoV-2 Reference Genome NC_045512.2	(5563)	AGCTGTTATGTACATGGGCACA	CTTCTT	ATGAA	CAT	TTAAG	AAAGGTG	TTCA	GATACC	TTGT	ACGTGTGGTAAACAAG														
Sulfolobus turreted icosahedral virus NC_005892	(2184)	AGATTGTGATCAAAAT	TCCAAA	ATGGCAAA	AGGAA	TTAG	TTTT	AA	TACAC	TTAA	-----GTTGAATCA	GT	TAA	AT	AAGAC										
		Section 72																							
		(5681)	5681	5690	5700	5710	5720	5730	5740	5750	5760														
SARS-CoV-2 Reference Genome NC_045512.2	(5643)	CTACA	AAATATC	TAG	TACAACAGG	AGTC	ACCTT	TGTT	ATGAT	GTC	AGCACC	ACCTGCT	CAGTATG	AAC	TTAAGCATGGT										
Sulfolobus turreted icosahedral virus NC_005892	(2259)	GGGT	AGAGAGG	TAG	-----	ACCT	AGCTT	CTTCA	AA	ATTC	GA	AGAGGA	ATA	TGTT	TGTTGTACATGATGAAGTAT										
		Section 73																							
		(5761)	5761	5770	5780	5790	5800	5810	5820	5830	5840														
SARS-CoV-2 Reference Genome NC_045512.2	(5723)	ACAT	TTACTT	TGTG	CTAGT	GAGTA	CAC	TGGTA	AT	TAC	CA	GTGT	GGT	CA	CTATAAAC	ATAT	AAC	TTCTAA	AGAA	ACTTTTGT					
Sulfolobus turreted icosahedral virus NC_005892	(2329)	AT	AT	-----	TATG	AGC	GT	AAGCA	AGAT	TACAC	GA	TAC	TT	GAAC	GAA	CA	---	AGCTA	AAGA	A	TT	---	AG	ATT	TAGTA
		Section 74																							
		(5841)	5841	5850	5860	5870	5880	5890	5900	5910	5920														
SARS-CoV-2 Reference Genome NC_045512.2	(5802)	ATTGCATAG	CGGTGCTTTACTT	ACAAAG	TCT	CAGA	AT	CAAAGG	TCCT	ATT	ACG	GATG	TTTTCT	ACAA	AGAAAA	-CAG									
Sulfolobus turreted icosahedral virus NC_005892	(2399)	AGGAGGGG	GAGA	-----	AT	ATGT	TT	CAGT	GA	TT	CAA	---	TTGA	AAGA	A	GAT	TTGAAG	AATT	AGAAAA	G	CAG				
		Section 75																							
		(5921)	5921	5930	5940	5950	5960	5970	5980	5990	6000														
SARS-CoV-2 Reference Genome NC_045512.2	(5881)	T	TACACA	AC	ACCATA	AAA	CCAG	TTACTT	AT	AAATTGG	ATGGTGT	TGTTTGTACA	GAAA	T	GACC	CTAAGT	TGGACAA	TT							
Sulfolobus turreted icosahedral virus NC_005892	(2464)	A	TAGACA	GTA	TAAGGG	AAA	AATG	GGAGC	AG	ATTGCAA	AGCAGCA	TGAAGAAGAT	GAAAC	T	AGGG	CTAG	GC	TGG	----	TT					
		Section 76																							
		(6001)	6001	6010	6020	6030	6040	6050	6060	6070	6080														
SARS-CoV-2 Reference Genome NC_045512.2	(5961)	A	TTATA	-AGA	AA	GACA	ATTCTT	AT	TT	CACAGAGCAACC	AAT	TGA	TCT	T	TAC	CAAAC	CAACC	AT	ATCCA	AA	CGCA	AGC	TT		
Sulfolobus turreted icosahedral virus NC_005892	(2539)	G	TAA	-AT	AGATC	G	TGTGG	--	AT	GA	-----	GTT	ATA	TGA	ATA	TAT	TGT	CAAAC	GTGAAAC	AGGGT	AAAG	GAGA	AG	TT	
		Section 77																							
		(6081)	6081	6090	6100	6110	6120	6130	6140	6150	6160														
SARS-CoV-2 Reference Genome NC_045512.2	(6040)	C	GATA	ATTTT	AA	GT	TTG	TATGT	G	ATAAT	ATCAA	ATTTG	CTG	AT	GAT	TTA	AACC	AG	TTAA	CT	GGT	TAT	AAGAA	AA	CTGCTT
Sulfolobus turreted icosahedral virus NC_005892	(2607)	T	GATA	CGGAA	AA	AG	TTG	-GA	AG	TTAAT	-----	C	GAA	AG	GATTA	GCGA	AT	TTAA	TG	GAATA	-AAG	AGG	CAG	TTCA	

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		Section 78									
		(6161)	6161	6170	6180	6190	6200	6210	6220	6230	6240
SARS-CoV-2 Reference Genome NC_045512.2	(6120)	C AAGAGAGC TTAAAGTTACATTTTCCCTGACTTAAATGGTGATGTGGTGGCTATGATTATAAAACCTACACACCCCTCT									
Sulfolobus turreted icosahedral virus NC_005892	(2675)	G AAGA TG GG TTAAAGTTACATTTTCCCTGACTTAAATGGTGATGTGGTGGCTATGATTATAAAACCTACACACCCCTCT									
		Section 79									
		(6241)	6241	6250	6260	6270	6280	6290	6300	6310	6320
SARS-CoV-2 Reference Genome NC_045512.2	(6200)	TTTAAAGAAAGGAGCTAAATGTGTTACATAAAACCTATGTGTTTGGCA GTGTTAACTAAAGCA-ACCTAATAAAGCCACGTATATAAC									
Sulfolobus turreted icosahedral virus NC_005892	(2748)	AA TAAAGAACTGGG-AGACTCTT-TATGAAATTATGTGTTAAACAGAGGAA GAA GCA AAC CCG--GAGCAATGGAGTAAA									
		Section 80									
		(6321)	6321	6330	6340	6350	6360	6370	6380	6390	6400
SARS-CoV-2 Reference Genome NC_045512.2	(6279)	CAAATACCTGGTGTATA CGTTGTC TTTGGAGCA CA AAA CAGT TGAACATCAAATTCGTTTGATGTACTGAA GTCA GAG									
Sulfolobus turreted icosahedral virus NC_005892	(2824)	G AAG--ACT--TTGACG CGTTAA-TATTTGTA CA TTT AAAA CAGT ATTGGGCTATGATGAATCTA--CATAT--CGTCA TTT									
		Section 81									
		(6401)	6401	6410	6420	6430	6440	6450	6460	6470	6480
SARS-CoV-2 Reference Genome NC_045512.2	(6359)	GACCGCGCAGGGAATGGATAATCTTGCCTGCGAAGATCTAAACCAAGTCTCTGAA GAAGTAGTGGAA AATCTACCATACA									
Sulfolobus turreted icosahedral virus NC_005892	(2895)	--CGCTACTCACATTAAGATTTTCGAT---AATCAAGATCTGTAAACGAA---TTA AAAAGGATTTCATG CAGGGAA									
		Section 82									
		(6481)	6481	6490	6500	6510	6520	6530	6540	6550	6560
SARS-CoV-2 Reference Genome NC_045512.2	(6439)	GAAAGACGTTCTTGAGTGTAAATGTGAAAACCTACCGAAGTTGTAGGAGACATTATACTAAACCCAGCA AATATAGTTTAA									
Sulfolobus turreted icosahedral virus NC_005892	(2967)	G AAGCA TCC-CGGCAGAAAAAAGAC AAA TCTGCATTATTTATATCCCGAAG AATA TATAAAAG-T CAGCGAGTTCTGTAA									
		Section 83									
		(6561)	6561	6570	6580	6590	6600	6610	6620	6630	6640
SARS-CoV-2 Reference Genome NC_045512.2	(6519)	AAATTACAGAAAGAGGTTGGCCACACAGATCTAAATGCTGCTTATGTAGAC-AATTCTAGTCTTACTATTAA GAAAC---C									
Sulfolobus turreted icosahedral virus NC_005892	(3045)	T AGATTCAAAGAGGAAAAAAAGAGAGATGTAAACGTTTCAATTAACCTACAGCTGCATTTAACGACAA TGAAGCAGGG									
		Section 84									
		(6641)	6641	6650	6660	6670	6680	6690	6700	6710	6720
SARS-CoV-2 Reference Genome NC_045512.2	(6595)	TAATGAATTATCTAGAGTATTAGGT TTGAAAA CCCTTGC TAC TCATGGTTTAGCTGCTGTTAATA GTGTCCCT TGGGATA									
Sulfolobus turreted icosahedral virus NC_005892	(3125)	AAGGGAATCATAAAGACA-----TTGAAAA G-----TACGGTG TAGCTAGTCTTTTCGGTCTGAAA TGGCAAA									

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		Section 85									
		(6721)	6721	6730	6740	6750	6760	6770	6780	6790	6800
SARS-CoV-2 Reference Genome NC_045512.2	(6675)	CT	ATAGC	TAATTA	TGCT	AAGCCTTTTC	TTAA	CAAAGT	TGTTAGT	ACAAC	TACTAA
Sulfolobus turreted icosahedral virus NC_005892	(3191)	AC	ATGT	TGT---	TGTA	AAGAGA	ACGATT	GTGCTA	TGAGTCA	AAGAC	GGGA
		Section 86									
		(6801)	6801	6810	6820	6830	6840	6850	6860	6870	6880
SARS-CoV-2 Reference Genome NC_045512.2	(6755)	GTT	TGTACT	AATTTATAT	GCCTTATT	TCTTT	ACTTTATT	GCTAC	AATTGT	CTACTTT	TACTAGA
Sulfolobus turreted icosahedral virus NC_005892	(3264)	AGA	TCTTCT	ATTCC	CTTATT	GGA-C	AATCTATT	---	ACGATT	AAGGAGGA	TAGC-GA
		Section 87									
		(6881)	6881	6890	6900	6910	6920	6930	6940	6950	6960
SARS-CoV-2 Reference Genome NC_045512.2	(6835)	TAA	AGC--	ATCTATG	CCGACT	ACTATA	TAGCAA	AGAA	TAC	TGTT	AAAGAG
Sulfolobus turreted icosahedral virus NC_005892	(3338)	AT	ACGCTAGG	ACTCA	CATATG	AGAGTTA	CAAAGC	ATGG	TAAAC	AGT-TC	AGCAA
		Section 88									
		(6961)	6961	6970	6980	6990	7000	7010	7020	7030	7040
SARS-CoV-2 Reference Genome NC_045512.2	(6912)	ATT	ATTTGA	AGTCAC	CTAATTTT	CTAAAC	TGATAA	AATAT	TATTA	AATTG	GTTT
Sulfolobus turreted icosahedral virus NC_005892	(3414)	AAG	AGGGAG	AGGAAC	TTAACCC	CA	TGATAT	TCGTAG	ATCTGCC	GCTTAC	TGTT
		Section 89									
		(7041)	7041	7050	7060	7070	7080	7090	7100	7110	7120
SARS-CoV-2 Reference Genome NC_045512.2	(6991)	TTT	AATCTA	CTCAACC	GCTGCTT	TAGGT	GTTT	TAA	TGTC	TAAT	TAG
Sulfolobus turreted icosahedral virus NC_005892	(3494)	TTG	AATCGA	TAA---	GC	GATT	CGCCG	GAGG	TGA	AAGAT	TTAG
		Section 90									
		(7121)	7121	7130	7140	7150	7160	7170	7180	7190	7200
SARS-CoV-2 Reference Genome NC_045512.2	(7071)	GCT	ATTTGA	ACTCT	ACTAAT	GTCACT	TATTG	CAACCT	ACT-GT	ACTG	GTTCTA
Sulfolobus turreted icosahedral virus NC_005892	(3560)	A	CCG---	AACAC	ACTCAT	TTCT	TATTAC	GCGTC	ACTC	GAAATG	AGGCTA
		Section 91									
		(7201)	7201	7210	7220	7230	7240	7250	7260	7270	7280
SARS-CoV-2 Reference Genome NC_045512.2	(7150)	AG	AT	TCTTTAG	ACAC	CCTATCC	TTC	TTAGAA	CTAT	ACAA	ATTAC
Sulfolobus turreted icosahedral virus NC_005892	(3629)	AG	--	TCTTTAG	-CT	CAAGAAT	TAG	TTAGAA	CCCGA	AAAGG	TC

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		Section 92									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7281)	7281	7290	7300	7310	7320	7330	7340	7350	7360	
	(7230)	GCTTAGTTGCAGAGTGGTTT	TTGGCA	TATATTCTTT	CACTAGGTTTTCTATG	TACTTG	GATTGGC	TGC	AATCAT	GC	
	(3704)	TTTCTCTTCAAAATTTT	TATACTTC	TATTTCTATT	TAAGTTATG	GACGCAGTAA	TACGCGC	ATTGGC	---	AATGGC	GC
		Section 93									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7361)	7361	7370	7380	7390	7400	7410	7420	7430	7440	
	(7308)	AATTGTTTTCAGCTATTT	TTGCAGTACA	TTTATTAGTAA	TTCTTGCTTAT	GTGTTAATA	ATTATCTT	GTAC	AAATG		
	(3781)	TTTTCCTATCGCCTATC	TGATTATA	TCCTTCAAATAA	GAAGAGGAGG	AAAGTAATA	TCATTATAG	---	AAAT	-	
		Section 94									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7441)	7441	7450	7460	7470	7480	7490	7500	7510	7520	
	(7388)	GCCC	CGATTTT	CAGCTATGGTT	AGAA	GTACATCTT	CTTGCATCATTTT	ATTATGTAT	TGAAAAGTT	TATGTGCAT	GTGT
	(3856)	----	CTTTT	TAGACTCTAAG	ACAA	GTA	TTTGTGCTAG	CAGAATA	GCATTAG	AGGATTT	TAGCAGCTAT
		Section 95									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7521)	7521	7530	7540	7550	7560	7570	7580	7590	7600	
	(7468)	AGACGGTTGTAATTCAT	CAACTTGTAT	GATGTGTTACAA	ACGTAAT	AGAGCAACA	AGAGTCGA	ATGTA	---	CAACTATT	G
	(3929)	AG---	GCGCTATCTCAG	CA	GTTCATTAT	CGCCGAGCAGC	TATCTATA	ACGAGAA	GATCAGA	AATCAG	GTCA
		Section 96									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7601)	7601	7610	7620	7630	7640	7650	7660	7670	7680	
	(7545)	TTAATGGTGT	TAGAAGGTC	CTTTTATG	TCTATGCTAAT	GGAGGTAAAG	CTTTTGCA	AACTACAC	AATTGGA	ATTGTT	
	(4005)	CAAAAT	GCTATAGAC	GCGATGGCG	AAATCAAC	---	AGTTGTGGCT	ACAGAAAGT	TATTAA	GGACACGACAG	TTACTGGAT
		Section 97									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7681)	7681	7690	7700	7710	7720	7730	7740	7750	7760	
	(7625)	AATGTGATACAT	TCTGTGCTGG	TAGTACATTT	ATTAGTGA	TGAAGTTG	CGAGAGAC	TTGTCACTA	CAGTTT	AAAAGACC	
	(4082)	TAA	TGCATTA--G	TGAATATGG	ACACTCTCAG	AGACGTAA	ACGATTG	GCAAGT	CG----	AAATCTCAAA	ATCAGCC
		Section 98									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(7761)	7761	7770	7780	7790	7800	7810	7820	7830	7840	
	(7705)	AA	TAAATCCTACT	GACCA	GTCTTCTTACAT	CGTTGATAGT	GTACAGTGA	AGAA	TGGTTCCAT	CCATCTTT	TA
	(4155)	GC	TA---AA	AGTAATATC	TTTTTTTCT	TGCTCGA	AGTAA	TACTT-----	CTTTT	TGGT---	ATTTCTTTTATA

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		Section 99																				
		(7841)	7841	7850	7860	7870	7880	7890	7900	7910	7920											
SARS-CoV-2 Reference Genome NC_045512.2	(7785)	AA	GCTGG--	TC	AAAAGACTTATG	AA	AGACAT	TCTCTCTC	TC	ATTTTGT	TAACTTAG	ACACACCT	TGAGAGC	TA	ATAACACT	A						
Sulfolobus turreted icosahedral virus NC_005892	(4224)	T	ACTCTTTC	TC	TAACTCTAAG	TT	AGAGGT	AA	TATGAAAA	T	AAAAA	TA---	CTTAA	ATCAG	ATT	CGGATATGG	ATAGAA					
		Section 100																				
		(7921)	7921	7930	7940	7950	7960	7970	7980	7990	8000											
SARS-CoV-2 Reference Genome NC_045512.2	(7863)	AA	GTTTCAT	TGCCTA	ATTAA	TGTTAT	AGTTT	TTGATGGT	AAATC	AAATATGT	G	AAGAA	TCATCT	GCAAAAT	C	AGCGTCTGTT						
Sulfolobus turreted icosahedral virus NC_005892	(4300)	AT	GTCAGAT	G----	AGGAA	CTTTA	AGTTT	GT	CAATA	AAATC	TTAGAA	G	TGTAA--	ATAAG	TATAG	TGAGAGGAAGC						
		Section 101																				
		(8001)	8001	8010	8020	8030	8040	8050	8060	8070	8080											
SARS-CoV-2 Reference Genome NC_045512.2	(7943)	T	ACTACAGT	CAGCTTA	TGTGT-	CAACCT	TATAC	TGTTAC	TAGATC	AGGCAT	TTAG	TGTCTG	ATGTTGG	TGA	TAGT	GCGGAAG						
Sulfolobus turreted icosahedral virus NC_005892	(4374)	G	AAA	AAATGA	ACGAA	AAATAT	GCAGAT	TATTT	TAGG	ACAAAT	TC	TAGGG	TTGG	GATAA-	ATGACAA	TGAGAA	TAAATTACA					
		Section 102																				
		(8081)	8081	8090	8100	8110	8120	8130	8140	8150	8160											
SARS-CoV-2 Reference Genome NC_045512.2	(8022)	TT	GCAGTT	TAAAA	TGTTTGA	TGCTTA	CGTTA	ATACGT	TTTCAT	CACTTT	TAA	CGTAC	CAATGG	AAAAA	CTCAAA	ACACTA						
Sulfolobus turreted icosahedral virus NC_005892	(4453)	TT	TAAGATAG	GAA----	GAGAAC	TA--	TTAGA	ACATAT	TAGA	---	AAGATATG	CGTTAC	CGAT--	ATAAA	TAAAGAT	ATCA						
		Section 103																				
		(8161)	8161	8170	8180	8190	8200	8210	8220	8230	8240											
SARS-CoV-2 Reference Genome NC_045512.2	(8102)	G	TTGCAACT	-GCA	GAAAGC	TGAAC	TTGCA	AA	GAAATGT	GT	CCTTAGA	CAATGT	CCTTAT	CTACTTTT	TATTT	CAGCAGCT	CGGC					
Sulfolobus turreted icosahedral virus NC_005892	(4522)	G	AG	GCAATTAG	GA-AAGC	A-ATC	G---	AGAT-G	TTAGT	-	AAAAGA	AGAAAT	TAGAAA	AAAGAGAC	TGTT	CCGTAGCT	----					
		Section 104																				
		(8241)	8241	8250	8260	8270	8280	8290	8300	8310	8320											
SARS-CoV-2 Reference Genome NC_045512.2	(8181)	AA	G	GTTTGTT	GAT	TCA	GATGT	AGAA	CTAAAG	ATGTT	GGTT	GAA	TGTC	TTAAA	TTGTCA	CATCAAT	CTGACAT	TAGAGTT				
Sulfolobus turreted icosahedral virus NC_005892	(4591)	AA	AG	TAGAAAA	GAT	AATGA	GAT	TGTGA	GCT	AAAATGA	----	GAA	C	GCTTT	TTTTT	TTATAC	CTTC	GATGGG	GAGTGTG	AGGC		
		Section 105																				
		(8321)	8321	8330	8340	8350	8360	8370	8380	8390	8400											
SARS-CoV-2 Reference Genome NC_045512.2	(8261)	A	CTGG	C	GATAG	TT	GTAAT	TA	ACTAT	ATATG	TC	ACCTAT	AA	CAAG	TTG	AAAAC	ATGACAC	CCCGT	GACCT	TGGTG	CTTGAT	
Sulfolobus turreted icosahedral virus NC_005892	(4667)	T	CCCC	----	TTAT	--	TGATTT	TCT	TG	TC	AAAAAT	GATAT	AGA	AATAC	GTGAT	TCTGT	CACGT	AGAAA	T	CA	TG	TAGCAGT

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		Section 106									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8401)	8401	8410	8420	8430	8440	8450	8460	8470	8480	
	(8341)	TGACTGTAGT	GCGCGTC	ATATTAA	TGCGCAGGT	AGCAAAAAG	TCACACAT	TGCTTTGA	TATGGA	ACGTTA	AAGA
	(8470)	TCA-----	GAGGGA	ATAGCGT	TAGACAT	GT-----	TCCTTGA	AAAGAT	TATGAC	ACGTTA	GCAT
	(4740)										
		Section 107									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8481)	8481	8490	8500	8510	8520	8530	8540	8550	8560	
	(8421)	TGTATTGTCT	GAACAAC	TACGAAAC	AAATACGTAGT	GCTGCT	TAAAA	GAATAA	CTTACCT	TTTAA	GTT
	(4804)	GATGAG----	GATGTAG	TACCGAT	AGATA-----	GATTTT	CAAAA	AGTAGA	GGCTAAA	TTTAA	TGAG
	(4804)										
		Section 108									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8561)	8561	8570	8580	8590	8600	8610	8620	8630	8640	
	(8501)	ACTAC	TAGACAA	GTGTTAA	TGTTGTAA	CAACAAAGA	TAGCACTTA	AGGGTGGT	TAAATTGTT	AAATA	ATTGGT
	(4873)	GTGTT	TGTG--	GCTATTAT	TATT-TAA	AGACGCT--	TAG-AGGCT	ACTCTG	TTTATA	AGG---	AAAGATTGG
	(4873)										
		Section 109									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8641)	8641	8650	8660	8670	8680	8690	8700	8710	8720	
	(8581)	GTTAATTAA	AGTTAC	ACTTGTG	TTCCTTT	TTGTTGCT	GCTATTTT	CTATTAA	TAAACA	CCTGTTC	ATGTC
	(4944)	AAATATTGAT	GGGGAAG	TAAACGG--	ATGTTG	CTAGGT-T	TCACATTT	TATTA	AAAAGA	GGAATTT	CTGAGA
	(4944)										
		Section 110									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8721)	8721	8730	8740	8750	8760	8770	8780	8790	8800	
	(8661)	ATAC	TGACTTTT	CAAGTGAAATCA	TAGGAT	TACAAG	GCTATTGA	TGGTGGTGT	CAC	TCGTGAC	ATAC
	(5020)	AGAC	CAGCATTTC	-----	TAGCGT	TTCAAG	CTATAGA	A----TCCC	CGCATTG	GATAG-	GCGAAG
	(5020)										
		Section 111									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8801)	8801	8810	8820	8830	8840	8850	8860	8870	8880	
	(8741)	TGTTT	TGCTAACAA	ACATGCT	GATTTT	TGACACAT	TGGTTT	AGCCAG	CGTGTGGT	TAGTTA	CTAATGA
	(5084)	T-TTTCT	CAACGC	ACAAGC	CGCGGAC	TTACGCT	TTAAGC	AGTCT	GAAAG	CATAT	CACTT
	(5084)										
		Section 112									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8881)	8881	8890	8900	8910	8920	8930	8940	8950	8960	
	(8821)	ATTGA	TTGCTG	CAGTCA	TAA	CAAGAGA	AGTGGG	TTTTG	TCGTG	CTGCT	TGCTGGC
	(5162)	----	TTTCTC	CAGAT	AGAA-----	AATTAA	TTTTG	CAAAA	C---	GATCAG	CTAGC
	(5162)										

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		Section 113									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(8961)	8961	8970	8980	8990	9000	9010	9020	9030	9040	
	(8901)	G	T	G	A	C	T	T	T	T	T
	(5226)	A	T	A	A	T	T	T	T	T	T
	(5226)	A	T	A	A	T	T	T	T	T	T
		Section 114									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9041)	9041	9050	9060	9070	9080	9090	9100	9110	9120	
	(8980)	C	A	--	C	T	G	A	C	T	T
	(5304)	C	A	A	G	T	T	G	A	C	T
	(5304)	C	A	A	G	T	T	G	A	C	T
		Section 115									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9121)	9121	9130	9140	9150	9160	9170	9180	9190	9200	
	(9057)	C	A	T	A	T	T	G	T	A	T
	(5384)	G	A	A	T	T	C	G	T	T	T
	(5384)	G	A	A	T	T	C	G	T	T	T
		Section 116									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9201)	9201	9210	9220	9230	9240	9250	9260	9270	9280	
	(9135)	T	G	A	T	G	C	T	A	T	T
	(5457)	C	G	A	G	A	C	T	A	A	G
	(5457)	C	G	A	G	A	C	T	A	A	G
		Section 117									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9281)	9281	9290	9300	9310	9320	9330	9340	9350	9360	
	(9215)	T	G	T	A	G	G	C	A	C	T
	(5532)	C	G	T	A	C	C	A	A	T	T
	(5532)	C	G	T	A	C	C	A	A	T	T
		Section 118									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9361)	9361	9370	9380	9390	9400	9410	9420	9430	9440	
	(9295)	--	T	T	A	C	A	G	A	T	C
	(5601)	G	C	T	G	A	A	G	G	A	C
	(5601)	G	C	T	G	A	A	G	G	A	C
		Section 119									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9441)	9441	9450	9460	9470	9480	9490	9500	9510	9520	
	(9373)	A	C	C	T	A	T	T	G	G	T
	(5674)	A	A	C	T	A	T	T	G	G	T
	(5674)	A	A	C	T	A	T	T	G	G	T

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		Section 120									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9521)	9521	9530	9540	9550	9560	9570	9580	9590	9600	
	(9453)	ATTTTATGAGGTTT	TAGAAAGAGCTTT	TGGTGAAACAGTCATG	TAGTTGCCTTTAATACTTT	ACTATTCTATGT	CATTCT				
	(5743)	TAAATAATAGCATA	ACGACACATC	---AACAG-GCAAT	TAGGTC	AAATACTGAC	AATCGG	CAGTACAA	CAATG		
		Section 121									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9601)	9601	9610	9620	9630	9640	9650	9660	9670	9680	
	(9533)	ACTGTACTCTGTTT	ACACCAGTTT	ACTCATCTTACC	TGGTGTTTATCTGTT	ATTTACTTGT	ACTTGAC	ATTTTATCT			
	(5818)	ACTTTTAACTACAG	ACAGGAGAGA	ATAAATTTCC	AGTT-----	ATCGCGGA	---ACACAA	TAACG	---AATCTGA	CT	
		Section 122									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9681)	9681	9690	9700	9710	9720	9730	9740	9750	9760	
	(9613)	TACTAATGATGTT	TCTTTT	TTAGCACATATTC	AGTGATG	GTATG	TTCACACCT	TTAGTACCTT	TCTGGAT	AACAATTG	
	(5887)	TTAACAGCTCGT	CAGCAA	TATTATATATGA	AGAG-----	GTGATAT	AATGAGTG	TTAC	TACATTG	---GGA	CAAGTTT
		Section 123									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9761)	9761	9770	9780	9790	9800	9810	9820	9830	9840	
	(9693)	C-----T	TATATCATTTGT	ATTTCCACAAAGCA	TTTC	TATTGGTTC	TTTAGTA	TTACCTTAA	AGAGCG	TGTAGTCTTT	
	(5961)	CAGCTAA	TGCAAAAGTGAA	ATATTTACT	CAAAAC	TTTCAGAG	-----	AAGCAAG	ATTAG	CGCGTTTGTAA	AC---
		Section 124									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9841)	9841	9850	9860	9870	9880	9890	9900	9910	9920	
	(9767)	AATGGTGTTCCTTT	AGTACTTTTGA	AGAAAGCTGCGC	TGTGCACCT	TTTGT	TAAATA	AGAAA	TGTA	TCTAAGTTGCG	
	(6030)	AGTATATTTGTAGGG	AGCTATAAATT	A-AAACAAATA	T	CGTATTTA	TTGTATGGG	ACACAAA	ATAG	TCTCAGCTCCAG	
		Section 125									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(9921)	9921	9930	9940	9950	9960	9970	9980	9990	10000	
	(9847)	TAGTGATGTGCTATTACCT	CTTACGC	AAATATATAGAT	ACTT	AGCTCTT	TATAATAAGTAC	AGTATTT	TAGTG	GAGCAA	
	(6109)	TCGTGCCTTTGGGGCCAA	CGCATCA	ATATATATAGACG	AGCT---	TCAAGAGG	ACTA--	TATTTA	ATTCGT---		
		Section 126									
SARS-CoV-2 Reference Genome NC_045512.2 Sulfolobus turreted icosahedral virus NC_005892	(10001)	10001	10010	10020	10030	10040	10050	10060	10070	10080	
	(9927)	TGGATACAACTAGC	TACAGAG	AAAGCTGC	TTGT	TGTCA	TCTCGCA	AGGCTCT	CAATGA	CTTCA	GTAACTCAGGTCTGAT
	(6180)	---ATAAAAGTATA	TATAACA	AAATTCAT	TTTC	TGTCA	CAGTAAC	ACCATTT	TCAATA	----ATAA	TAATAACAATGACAT

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		Section 127									
		(10081)	10081	10090	10100	10110	10120	10130	10140	10150	10160
SARS-CoV-2 Reference Genome NC_045512.2	(10007)	GTTCTTTACCAACCAACCAAAACCCTATCACCTCAGCTGTTTGCAGAGTGGTTTTAGAAAATGGCATTCCCATCTGG									
Sulfolobus turreted icosahedral virus NC_005892	(6253)	ATTCTATTGGAGCAAAATTCAAGAGTCGAG-ATTTATGATATATTACAAAGAACCAAGGAAATATC-TATTACATTCAGC									
		Section 128									
		(10161)	10161	10170	10180	10190	10200	10210	10220	10230	10240
SARS-CoV-2 Reference Genome NC_045512.2	(10087)	TAAAGTTGAGGGTTGTATGGTACAAGTAACCTTGTGGTACAACTACACTTAACGGTCCTTGGCTTGATGACGTAG--TTTA									
Sulfolobus turreted icosahedral virus NC_005892	(6331)	TTCCTCCCGGTTTAGCAA--TACTAG-----AATTCTCGTTAGAGAGAGTFTTCGAAAAAGGAATAGAAATT-A									
		Section 129									
		(10241)	10241	10250	10260	10270	10280	10290	10300	10310	10320
SARS-CoV-2 Reference Genome NC_045512.2	(10165)	CTGTCCAAGACATGTGATCTGCACCTCTGAAAGACATGCTTAACTTAAATTAAGAAGATTTACTCATTCGTAAGTCTAATC									
Sulfolobus turreted icosahedral virus NC_005892	(6397)	ATATTCCAATAATTATTCAACAAGCGGAATGGATATAFAAGTTTCGATAGAAGAGAGGGAAGCTT-----ATGCAATA									
		Section 130									
		(10321)	10321	10330	10340	10350	10360	10370	10380	10390	10400
SARS-CoV-2 Reference Genome NC_045512.2	(10245)	ATAATTTCTTGGTACAGGCTGGTAATGTTCAACTCAAGGTTATTTGGACAATCTATGCAAATTTGTGTACTTAAGCTTAAG									
Sulfolobus turreted icosahedral virus NC_005892	(6471)	AAAATGCTT--ACAGTTATAATA-ATACTACTTCACTA-CCTTTACA---ATTTTCAATTCGGGACT--ATATCAAC									
		Section 131									
		(10401)	10401	10410	10420	10430	10440	10450	10460	10470	10480
SARS-CoV-2 Reference Genome NC_045512.2	(10325)	GT-TGATACAGCCAAATCCTAAGACACCTAAGTATAAGTTTGTTGCATTCAAACAGGACAGACTTTTTCAGTGTAGCTT									
Sulfolobus turreted icosahedral virus NC_005892	(6542)	TCTGTAGCTA-CATCCATTGGTAAATAAGTTCGATACCAG-CTAATGGAAAGCGTTAGGAACTTTCTTAGGTT---TA									
		Section 132									
		(10481)	10481	10490	10500	10510	10520	10530	10540	10550	10560
SARS-CoV-2 Reference Genome NC_045512.2	(10404)	GTTAACAATGGTTTACCATCTGGTGTTTTACCAGTGTGCTATGAGGGCCAAATTTCACTATTAAAGGTTTCACTCTCTTAATGGT									
Sulfolobus turreted icosahedral virus NC_005892	(6617)	TTTAAAGATTACGGGCATATATGAAGATGTAAAGTTTAGTGTGACATACGGTGGTGGTTTAGGCGT--TCCTTTTACATT									
		Section 133									
		(10561)	10561	10570	10580	10590	10600	10610	10620	10630	10640
SARS-CoV-2 Reference Genome NC_045512.2	(10484)	TCATGTGGTAGTGTTGGTTTAAACATAGATTATGACTGTGTCTCTTTTGTGTACATGCACCATATGGAAATACCAACTGG									
Sulfolobus turreted icosahedral virus NC_005892	(6695)	TGGACTGGAGTAGAAGAAATAATGAGTTAGTG-----GAAAAATCTAATTTCGTAACTCAAAGCGTAACCTCTCAGT									

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		Section 134									
	(10641)	10641	10650	10660	10670	10680	10690	10700	10710	10720	
SARS-CoV-2 Reference Genome NC_045512.2	(10564)	A	GTT	CAT	GC	TGG	CACA	GAG	CTTA	GAA	AGGT
Sulfolobus turreted icosahedral virus NC_005892	(6768)	G	GTT	C	TCA	AGTAA	CTCA	AGATA	CTA	---	AAC
		Section 135									
	(10721)	10721	10730	10740	10750	10760	10770	10780	10790	10800	
SARS-CoV-2 Reference Genome NC_045512.2	(10642)	G	GAC	ACA	AAC	TAT	TAC	AGT	TAA	TG	TTT
Sulfolobus turreted icosahedral virus NC_005892	(6845)	C	GGG	CTAAC	CACT	GCG	CTAA	--CT	CAGT	G	TCAG
		Section 136									
	(10801)	10801	10810	10820	10830	10840	10850	10860	10870	10880	
SARS-CoV-2 Reference Genome NC_045512.2	(10722)	TTAC	CA	CA	ACT	CTTA	ATGACT	TTAA	CTTGT	GGCT	ATGA
Sulfolobus turreted icosahedral virus NC_005892	(6911)	--TT	CA	CA	AGT	A--TGG	GACTT	CAT	AGCA	GGGG	--AAGT
		Section 137									
	(10881)	10881	10890	10900	10910	10920	10930	10940	10950	10960	
SARS-CoV-2 Reference Genome NC_045512.2	(10802)	C	TAG	GAC	CTC	TTCT	GTG	CTCAA	ACTG	GA	ATTG
Sulfolobus turreted icosahedral virus NC_005892	(6984)	A	TTCA	GC	TGG	TAG	CAAA	TGGT	GTTCA	TCAA	CATCA
		Section 138									
	(10961)	10961	10970	10980	10990	11000	11010	11020	11030	11040	
SARS-CoV-2 Reference Genome NC_045512.2	(10882)	GAA	TGG	AC	G	TAC	CA	CTTT	TAT	GTG	TTG
Sulfolobus turreted icosahedral virus NC_005892	(7064)	AGA	AACT	AG	CTA	--ATT	TTCCCC	CGTAC	CCCC	CGGCGG	--GAAT
		Section 139									
	(11041)	11041	11050	11060	11070	11080	11090	11100	11110	11120	
SARS-CoV-2 Reference Genome NC_045512.2	(10961)	G	T	TAC	TT	TCC	AAAGT	G	CAGT	G	AAAA
Sulfolobus turreted icosahedral virus NC_005892	(7138)	G	ATTA	TT	GC	----	G	ATT	TAAAA	ATAC	TG
		Section 140									
	(11121)	11121	11130	11140	11150	11160	11170	11180	11190	11200	
SARS-CoV-2 Reference Genome NC_045512.2	(11041)	A	G	TTT	TTAG	TCC	AGA	GTA	CTC	--AA	TGG
Sulfolobus turreted icosahedral virus NC_005892	(7210)	T	GAA	TTAG	GA	ATAC	GTA	ATT	AA	GGG	GAT

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		Section 141																															
	(11201)	11201	11210	11220	11230	11240	11250	11260	11270	11280																							
SARS-CoV-2 Reference Genome NC_045512.2	(11117)	AT	TA	TTGCT	ATGTC	TG	CTTTTGCAA	TGAT	GTTT	GT	CAAA	CAT	AAG	CATG	CAT	TTC	TCTGT	TTGTTT	TTG	TTACCTTC	TCT												
Sulfolobus turreted icosahedral virus NC_005892	(7290)	TC	TA	AGTTA	AAACG	TG	GAAAGTTTC	TGA	AGTT	--	CAT	TT	CT	T--C	CATG	AA	TCT	TTCAA	TTATT	GTTG	GATTGCGG	TGA											
		Section 142																															
	(11281)	11281	11290	11300	11310	11320	11330	11340	11350	11360																							
SARS-CoV-2 Reference Genome NC_045512.2	(11197)	TGC	CACTG	TAGCT	TATT	TTAA	TAT	GGTC	TATAT	GC	CTGC	TAGTT	GGGTGAT	GC	GAT	TA	---	T---	GAC	ATG	GTT	GG	A	T									
Sulfolobus turreted icosahedral virus NC_005892	(7366)	AAA	CACTG	AAATA	TATT	CA	AA	ATG	GGGG	TATAT	--	CAGC	CAGCC	G	AAACCA	GC	CGTC	TA	GTAT	TTGGA	AA	AT	AGTT	TC	AAT								
		Section 143																															
	(11361)	11361	11370	11380	11390	11400	11410	11420	11430	11440																							
SARS-CoV-2 Reference Genome NC_045512.2	(11270)	A	TGGT	TGAT	TACT	AGTTT	GTCT	GGTT	TTA	AGCT	AAA	AG	AC	TGTGT	TAT	GT	AT	GCAT	CAGCTG	TAGTGTT	ACT	AATC	TT	A	T								
Sulfolobus turreted icosahedral virus NC_005892	(7444)	T	TATC	TTG	TGAT	TGGGG	GAGG	GGTT	--	G	ACTG	AAA	GT	AT	TCACG	TTT	--	ATTTTA	CAA	--	TT	CAGC	--	AGG	AG	ATAG	AA						
		Section 144																															
	(11441)	11441	11450	11460	11470	11480	11490	11500	11510	11520																							
SARS-CoV-2 Reference Genome NC_045512.2	(11350)	G	ACAGC	AAG	AAC	TGT	TAT	GA	--	TG	GT	GC	-	TAGGAG	AG	TG	TG	GA	CAC	TT	AT	GA	AT	GT	CT	TG	AC	-	TC	GTT	TAT	AAA	
Sulfolobus turreted icosahedral virus NC_005892	(7516)	A	ATTCA	AAAA	-	G	TAT	T	GGAA	A	G	GGC	TG	AG	GCT	TTTTCT	AG	GA	TG	TA	ACACA	AT	AAAT	---	TGA	AA	AG	TC	ACG	TA	AAA		
		Section 145																															
	(11521)	11521	11530	11540	11550	11560	11570	11580	11590	11600																							
SARS-CoV-2 Reference Genome NC_045512.2	(11426)	G	TTTAT	TAT	GGTAA	TG	CTT	AT	AGATC	AAGCC	ATT	CCA	TGTG	GGC	TCTT	AT	TAAT	CTCT	GTTACT	TCT	AAC	T	ACT	CAG	G	TGT							
Sulfolobus turreted icosahedral virus NC_005892	(7590)	G	CACG	T	CAT	TTACG	TG	T	AC	AA	ATC	G	ATTTT	TT	G	CCA	---	A	GG	T	CTT	G	T	-----	GTTAC	AT	TC	ATG	T	-	TA	CACG	---
		Section 146																															
	(11601)	11601	11610	11620	11630	11640	11650	11660	11670	11680																							
SARS-CoV-2 Reference Genome NC_045512.2	(11506)	A	GTT	ACAA	TGT	CA	TGTTTTT	TGGCC	AG	AG	GTA	TTGTTT	T	TAT	G	TGTGT	TGA	GT	AT	TGC	CCT	ATT	TT	CTT	CA	TAA	CT	G	GTA				
Sulfolobus turreted icosahedral virus NC_005892	(7656)	-	G	TAA	AAAT	TGT	AA	-	CGACC	ACAA	AA	AT	GTA	ACACAA	TACA	G	CTAC	AAA	AA	TGT	GGC	ATA	AC	ATT	TTT	AA	CA	T	CAG	ACT			
		Section 147																															
	(11681)	11681	11690	11700	11710	11720	11730	11740	11750	11760																							
SARS-CoV-2 Reference Genome NC_045512.2	(11586)	A	TAC	ACTT	CA	GT	GTATA	TG	CTAG	TT	AT	TGT	TTCT	TA	GGCT	A	TTTTT	G	T	ACTT	G	TTA	CT	TT	GGC	T	CTT	TT	GTTT	A	CTC		
Sulfolobus turreted icosahedral virus NC_005892	(7734)	C	TA	-	AGTTA	-	GAGTATA	-	TGAGGA	TAA	AT	GTA	TATC	TA	AAATA	A	GAAA	-	G	AA	GAA	G	AGAA	TT	AAAC	AAGAT	TT	TGC	-	AAAA			

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		Section 148									
	(11761)	11761	11770	11780	11790	11800	11810	11820	11830	11840	
SARS-CoV-2 Reference Genome NC_045512.2	(11666)	AACCGCT	ACTTTAGACT	GACT-CTTGGT	GTTTATGATT	ACTTAGTT	CTACACAGG	AGTTTAGAT	TATATGAATT	CACAGG	
Sulfolobus turreted icosahedral virus NC_005892	(7809)	ATTTTAAATCAA	AAAGC	GATG	CATAAAG	ATATTGAAG	AATAT-GA	GAATTGTGT	AACAC	TGATGAATT	AATACT
		Section 149									
	(11841)	11841	11850	11860	11870	11880	11890	11900	11910	11920	
SARS-CoV-2 Reference Genome NC_045512.2	(11745)	GACTACT	CCCA	CCCAAGAA	TAGCAT	AGATGCCTTC	AAAC	TCACACATTA	AATGT	TTGGGTGTTTGGTGGC	AAACCTTGTATC
Sulfolobus turreted icosahedral virus NC_005892	(7888)	AACACT	TTCTT	CATTAGAA	--GAA	AGAT-AGACT	ATATTAG	CAAGAAATAG	ACGGG	CAA-----	AAACATTTAAT
		Section 150									
	(11921)	11921	11930	11940	11950	11960	11970	11980	11990	12000	
SARS-CoV-2 Reference Genome NC_045512.2	(11825)	AAAGTAG	CCACTGTAC	AGTCT	AAAAATGTCA	GATGTAAAG	TGCACAT	CAGTAGT	CTTACTCT	CAGTTTTT	GCAACAAC
Sulfolobus turreted icosahedral virus NC_005892	(7958)	AGAGT--CT	AAGTTAG	AGTTT	AAATAGAG	GGA	TAAATG	GGTAAG---	GTATTC	CTCAG-----	GAA
		Section 151									
	(12001)	12001	12010	12020	12030	12040	12050	12060	12070	12080	
SARS-CoV-2 Reference Genome NC_045512.2	(11905)	AGTAGAATCAT	CTATCTA	AATTGTGGG	CTCAATGTG	TCCAGTT	TACACAA	-TGACAT	TCTCTT	AGCTA	AGATTA
Sulfolobus turreted icosahedral virus NC_005892	(8026)	CATAAATATG	TAAAAG	AATTC---	CTACGACAA	TACGATAGAT	TAAGTTAGAT	GA----	AGAAGAC--	TTCTGT	TAA
		Section 152									
	(12081)	12081	12090	12100	12110	12120	12130	12140	12150	12160	
SARS-CoV-2 Reference Genome NC_045512.2	(11984)	GCCTTT	GAAAAAAT	GTTTCACT	ACTTTC	TGTTT	TTGCTT	TCATG	CAGG	GTGCTGTAGACAT	TAACAAAG
Sulfolobus turreted icosahedral virus NC_005892	(8097)	AGCTA-G	AGTTAAG	--CTCG	-AAGATGG	TACATTAA	TTAA	CGC-G	-ATAG---	GCATGAT	TCAACAA
		Section 153									
	(12161)	12161	12170	12180	12190	12200	12210	12220	12230	12240	
SARS-CoV-2 Reference Genome NC_045512.2	(12064)	AATGCTGG	ACAA	CAGGG	CAACCT	TACAA	GCTATAGCCT	CAGAGTT	TAGTT	CCCTTC-CAT	CATATGC
Sulfolobus turreted icosahedral virus NC_005892	(8168)	AATACGCTA	-TGCGAA	C	TCAAC	TACAA	-----	AAGAA	CAGAGTT	GAGGTTAAGATGA	ATGAAGG
		Section 154									
	(12241)	12241	12250	12260	12270	12280	12290	12300	12310	12320	
SARS-CoV-2 Reference Genome NC_045512.2	(12143)	GCTCAAGA	AGCTTAT	GAGCA-	GGCTGTT	GCTAAT	G	GTGAT	TTCTGA	AGTTG	TTC
Sulfolobus turreted icosahedral virus NC_005892	(8242)	AAATAATGA	TAAAGTCA	GAGACT	GGAA	GAGGG	AAAG	CTGCT	TTCTGA	CAAAG	AGATTAA

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		Section 155							
	(12321)	12321	12330	12340	12350	12360	12370	12380	12390 12400
SARS-CoV-2 Reference Genome NC_045512.2	(12222)	TGGCTA	AATCTGA	TTTGA	CCGTG	ATGCA	GCCATGC	AACGTAA	GTGGAA-AAGATGGCTGATCAAGCTATGACCCAAAT
Sulfolobus turreted icosahedral virus NC_005892	(8320)	-----	AATCTCA	-TTT	TATG-A	GGTGTG	GTG----	ATG--AA	AGTGGAAAGAAAGTAGATGA
		Section 156							
	(12401)	12401	12410	12420	12430	12440	12450	12460	12470 12480
SARS-CoV-2 Reference Genome NC_045512.2	(12301)	GTAT	AAACAG	GCTAG	ATCTG	AGGACA	AGAGGGC	AAAAGTTAC	TAGTGCTATGACACAAATGCTT--TTCAC
Sulfolobus turreted icosahedral virus NC_005892	(8386)	GAA	GAAAGT	AGATG	AGATT	TGCA	GTAGAG	TAACGTG	CGAAGATTGCGTAGCTGAA--ATCTGCGGGAGATCTTTCG
		Section 157							
	(12481)	12481	12490	12500	12510	12520	12530	12540	12550 12560
SARS-CoV-2 Reference Genome NC_045512.2	(12379)	AAAG	TTGGAT	AAATG	ATGCA	CTCAACA	ACATT--	ATCAACA	ATGCAGAGATG-GTGTGTGTTCCCTTGAA
Sulfolobus turreted icosahedral virus NC_005892	(8461)	ATCC	TTTGTG	AAAGAG	-A	ACAGG	ACCTTA	ATGGAGG	AGGTGGAATAAGATGAGTGAAGCTGAAGT
		Section 158							
	(12561)	12561	12570	12580	12590	12600	12610	12620	12630 12640
SARS-CoV-2 Reference Genome NC_045512.2	(12457)	TACAA	CAGCAG	CCAACT	AATGG	TTGTCA	TACCA	GACTAT	AAACA
Sulfolobus turreted icosahedral virus NC_005892	(8540)	ATCAA	TGAAAG	ATAAA	GAACT	AGTAG	CA	GATCT	GATA----CGATCGCATATAA
		Section 159							
	(12641)	12641	12650	12660	12670	12680	12690	12700	12710 12720
SARS-CoV-2 Reference Genome NC_045512.2	(12537)	ATGC	ATCAGC	ATTGT	GGGA	AATCCA	ACAGGT	TGTAG	GATGCAGATAGTAAAT
Sulfolobus turreted icosahedral virus NC_005892	(8616)	ATAA	TGGCAA	AGCTA	GGGAT	GA	CTATAG	G--TGAG	GGGAAAGTAAACGC
		Section 160							
	(12721)	12721	12730	12740	12750	12760	12770	12780	12790 12800
SARS-CoV-2 Reference Genome NC_045512.2	(12617)	AAAT	CACCTA	ATTTAG	CATGG	CTCT	TTATT	GTAAC	AGCTTTAAAGGCCAAT
Sulfolobus turreted icosahedral virus NC_005892	(8693)	AA	GAGGGT	TAGT	GTTT	CAAAA	CATC	GGAGG	GATATAA
		Section 161							
	(12801)	12801	12810	12820	12830	12840	12850	12860	12870 12880
SARS-CoV-2 Reference Genome NC_045512.2	(12696)	TTAG	TCCTGT	TGCA	ACTACG	ACAGAT	GTCTT	GTGCT	GCGGTACTACACAA
Sulfolobus turreted icosahedral virus NC_005892	(8771)	TAA	TTGAAT	GAAATA	AGAA	ATAGAA	--CTAG	CTCAGC	----AGATATGATAGTAT

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		Section 162									
	(12881)	12881	12890	12900	12910	12920	12930	12940	12950	12960	
SARS-CoV-2 Reference Genome NC_045512.2	(12776)	TACTACAAC	ACAA	AAAG	GGAGG	TAG	GT	TGT	AA	CTTGCACT	GT
Sulfolobus turreted icosahedral virus NC_005892	(8842)	AACAAATG	AGAA	AAAG	ATTAA	TTT	GT	ATA	ATG	CTATTG	CGGATATC
		Section 163									
	(12961)	12961	12970	12980	12990	13000	13010	13020	13030	13040	
SARS-CoV-2 Reference Genome NC_045512.2	(12850)	ATTCCCTAAGAG	TGAT	GAA	CTGGTAC	TATC	TATAC	AGA	ACTG	GAA	CC
Sulfolobus turreted icosahedral virus NC_005892	(8922)	TTACAG	AAGCAT	TAT	GAA	GAGT	T	TGAGG	AGA	TAAA	GAA
		Section 164									
	(13041)	13041	13050	13060	13070	13080	13090	13100	13110	13120	
SARS-CoV-2 Reference Genome NC_045512.2	(12930)	GTCC	AAAG	TGAAGT	ATT	TATAC	TTTATTAA	AGGAT	TAA	AC	AA
Sulfolobus turreted icosahedral virus NC_005892	(8998)	GAGAG	AAAG	AGTGT	ATT	GAT	TAATAAGG	AGG	CG	TT	AGGA
		Section 165									
	(13121)	13121	13130	13140	13150	13160	13170	13180	13190	13200	
SARS-CoV-2 Reference Genome NC_045512.2	(13010)	ACAGT	ACGTCT	ACAAGC	TG	GTA	ATGC	AA	CAGAA	GTG	CCT
Sulfolobus turreted icosahedral virus NC_005892	(9071)	C	AGT	TAAATA	AGAAGC	AA	GCT	ATA	AA	AT	ATGATC
		Section 166									
	(13201)	13201	13210	13220	13230	13240	13250	13260	13270	13280	
SARS-CoV-2 Reference Genome NC_045512.2	(13090)	TGCT	TGCT	TAAAGC	TACAA	AAGAT	TATCT	AGCTAG	TGGG	GG	ACAACCAATCACTA
Sulfolobus turreted icosahedral virus NC_005892	(9145)	TTAT	TGTT	CAATA	TAAT	ATCCG	TCTG	AT	CTAT	TAAA	GGT
		Section 167									
	(13281)	13281	13290	13300	13310	13320	13330	13340	13350	13360	
SARS-CoV-2 Reference Genome NC_045512.2	(13170)	CTGT	GTACT	TGGT	CAGGCA	AT	ACAGTTAC	ACCG	GAA	GC	CAATAT
Sulfolobus turreted icosahedral virus NC_005892	(9211)	TGT	GGAAT	---	CGATTG	ATT	ACGTAATT	ACAG	AAAT	CA	CAATAT
		Section 168									
	(13361)	13361	13370	13380	13390	13400	13410	13420	13430	13440	
SARS-CoV-2 Reference Genome NC_045512.2	(13249)	GTACTGCC	GT	TGCC	ACAT	AG	ATCATC	CAA	ATCC	TAAA	GAT
Sulfolobus turreted icosahedral virus NC_005892	(9287)	AATGGATT	GATAT	ACTC	A	ATT	AGACTG	AGAT	TAAA	GAT	GAT

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		Section 169										
		(13441)	13441	13450	13460	13470	13480	13490	13500	13510	13520	
SARS-CoV-2 Reference Genome NC_045512.2	(13329)	C	TTGTGCTAATGACCTGTGGGTTTACACTTAAAAACACAGTCTGTACCGTCTGCG-GTATGTGGAAAGGTTATGGCTG									
Sulfolobus turreted icosahedral virus NC_005892	(9353)	A	TTTATTTTGATAGCTCCAAT--TTGAAGGGGGAGAGAGAGAATATGTAAATATGAAAAATATATACAAATATATATATAGTG									
		Section 170										
		(13521)	13521	13530	13540	13550	13560	13570	13580	13590	13600	
SARS-CoV-2 Reference Genome NC_045512.2	(13408)	T	AGTTGTGATCAACTCCGCGAACCCATGCTTCAGTCAGCTGATGCACAAATGTTTAAACGGGTTTGGCGGTGAAGTTGC									
Sulfolobus turreted icosahedral virus NC_005892	(9431)	C	AAATTGTG-----GATTTA-----GACAAATGATTTTATAC---AATTCTTTTGAACATTT									
		Section 171										
		(13601)	13601	13610	13620	13630	13640	13650	13660	13670	13680	
SARS-CoV-2 Reference Genome NC_045512.2	(13488)	A	GCCCGTCTACACCGTGCGGCACAGGCACTAGTACTGATGTCGTATACAGGGCTTTTGACATCTACAAATGATAAAGTAG									
Sulfolobus turreted icosahedral virus NC_005892	(9479)	C	TTAAAATCATTAAGGAAATCGAGACAC---GATATGATCAAT---TAAAGAGAGGAAATTT---AG---AATAAATTAAGGAG									
		Section 172										
		(13681)	13681	13690	13700	13710	13720	13730	13740	13750	13760	
SARS-CoV-2 Reference Genome NC_045512.2	(13568)	C	TGGTTTTGCTAAATTCCTAAAACTAATTGTTGTCGCTTCCAAGAAAGGACGAAAGATGACAAATTTAATTGATTCTTAC									
Sulfolobus turreted icosahedral virus NC_005892	(9546)	G	AGG---GAAGACTTGGCCAAATG---ACGTATTCGTTTGGGAGAACGTCTTCAAAAGACACTTTCAAGAAATT---GCA									
		Section 173										
		(13761)	13761	13770	13780	13790	13800	13810	13820	13830	13840	
SARS-CoV-2 Reference Genome NC_045512.2	(13648)	T	TTTGTAGTTAAAGAGACACACTTCTCTAACTACCAACATGAAGAAACAATTTATATTTACTTAAAGGATTGTC-AGCTG									
Sulfolobus turreted icosahedral virus NC_005892	(9616)	T	TTTACAAAATAATAT-----TACAAGAAAGGAG-AACCAAGATC-----TTAAGAGTACCATAACATTTCTCATAGAGA									
		Section 174										
		(13841)	13841	13850	13860	13870	13880	13890	13900	13910	13920	
SARS-CoV-2 Reference Genome NC_045512.2	(13727)	T	TGCTTAAACATGACTTCCTTAAAGTTTAGAATAGACGGTGTACATGGTACCACATATATCACGTCAACGTCCTTACTAAATAC									
Sulfolobus turreted icosahedral virus NC_005892	(9683)	G	ATAAGGCA--AGCTCAGAAAGAAGC-AGTAA--GAAAGAGCGATCACATTAAAGAG--ATATATAACAAATAAC									
		Section 175										
		(13921)	13921	13930	13940	13950	13960	13970	13980	13990	14000	
SARS-CoV-2 Reference Genome NC_045512.2	(13807)	A	CAATGGCAGACCTCGTCTATGCTTAAAGGCATTTTGTATGAAGGTAAATTTGTGACACATTAAAGAAATACTTGTCA									
Sulfolobus turreted icosahedral virus NC_005892	(9755)	A	AGGAGCTAAGTGCATTCAATGTAAATAAACGATACGATTAGGAGAAATTTGTTACTTCGATCCAGAAAT-----CATA									

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		Section 176									
		(14001)	14001	14010	14020	14030	14040	14050	14060	14070	14080
SARS-CoV-2 Reference Genome NC_045512.2	(13887)	CAATTGTTGTGATGATTAATTTCAATAAAAAAGGACTGTTATGATTTGTAGAAAACCCAGATATAATTACGCGTA--TA									
Sulfolobus turreted icosahedral virus NC_005892	(9830)	AAGTTCTATG--TGCTAAATGTTTCGTAAAGAAATACAGTCAAGAGATCATGACAGAAGAAGCGATAAAGCAGAACTTA									
		Section 177									
		(14081)	14081	14090	14100	14110	14120	14130	14140	14150	14160
SARS-CoV-2 Reference Genome NC_045512.2	(13965)	CGCCAACTTAGGTGAACGTGTACGCACAGCTTTGTTAAAAACAGTACAAATCTGTGATGCCATGCGAAATGCTGGTATTG									
Sulfolobus turreted icosahedral virus NC_005892	(9908)	AGTTAGCTAGGCTGAAGGAAGAGATCAGAGCGTTAGAAATCAGAGAGAAAAAATATGAA--TGAAATGAAAGACTGCA									
		Section 178									
		(14161)	14161	14170	14180	14190	14200	14210	14220	14230	14240
SARS-CoV-2 Reference Genome NC_045512.2	(14045)	TTGGTGTACTGACATTAGATAATCAAGATCTCAAATGGTAACCTGGTATGATTTTCGGTGATTTCTATACAAACCCAGCCAGGT									
Sulfolobus turreted icosahedral virus NC_005892	(9985)	CAAAATATACGAAGAGATGAATGAAAGAGCTCAGCTCTTACTCAAAATATAGAC---GA---AATGAAAAAATTCT--TT									
		Section 179									
		(14241)	14241	14250	14260	14270	14280	14290	14300	14310	14320
SARS-CoV-2 Reference Genome NC_045512.2	(14125)	AGTGGAGTTCTCTGTGTAGATTCCTATTATTTCATTGTTAATGCCTATATTAACCTTGACCAAGGGCTTTAACTGCAGAGTC									
Sulfolobus turreted icosahedral virus NC_005892	(10057)	ATGGAAATAC---GTAAATATAGTAACCCA-AACGAAGACGAGAAATCTACTGAAACAATAAATAGATGAAATGGT									
		Section 180									
		(14321)	14321	14330	14340	14350	14360	14370	14380	14390	14400
SARS-CoV-2 Reference Genome NC_045512.2	(14205)	ACATGTTGACACTGACTTAACAAAGCCCTTACATTAAGTGGGAT-----TTGTTAAAATATGACTTCACGGAAAGAGGT									
Sulfolobus turreted icosahedral virus NC_005892	(10131)	AGAAATAGAGAAAGAGATCGCAGAGAGTTTTTAACTACTTCTAAAGCAATGTTTGAAGAGGGTTAAGAAATGGAAGAG									
		Section 181									
		(14401)	14401	14410	14420	14430	14440	14450	14460	14470	14480
SARS-CoV-2 Reference Genome NC_045512.2	(14279)	TAAAACCTCTTTGACCGTTATTTTAAATATTGTTGGG-ATCAGACATACCAACCAAAATTGTTTAACTGTTTGGG--TGACAGA									
Sulfolobus turreted icosahedral virus NC_005892	(10211)	TAAACTCTTTATACCTCAGAGCTTAACATGGAGGTTAAAGAAATGAAAACGCATCTCCTCTTCAAAAATGTAGAGA									
		Section 182									
		(14481)	14481	14490	14500	14510	14520	14530	14540	14550	14560
SARS-CoV-2 Reference Genome NC_045512.2	(14356)	TGCA-TTCTGCATT---GTGCAAACTTTAATGTTTATTCTCTACAGTGTTCACACCTAACAGTTTTTGGACCACTAGTGA									
Sulfolobus turreted icosahedral virus NC_005892	(10291)	AAAGTATCTCAACAGAGTTTGA-AAATAGAAATAGACTGGACTGTACAGTCTCGTTTAAAGATAAAAAACGAAATACT--									

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		Section 183													
	(14561)	14561	14570	14580	14590	14600	14610	14620	14630	14640					
SARS-CoV-2 Reference Genome NC_045512.2 (14432)		GAAA	AATATTTGTTGATGGTGTTC	ATTTGTA-GTTTC	AACTGGATACCACTTCAGAGAGCTAGGTGTTGTACAT	AATCA									
Sulfolobus turreted icosahedral virus NC_005892 (10368)		-AAA	GATCATAGAGGAGATAGCT-A	AGAA	GCAAGGAAA	AAATAAATCTG	AAGTGATA-AGAGAGGCATTAA	AAGA	A	GAAA					
		Section 184													
	(14641)	14641	14650	14660	14670	14680	14690	14700	14710	14720					
SARS-CoV-2 Reference Genome NC_045512.2 (14511)		GGATGT	AAA	CTTACATAGCTCTAGACTTAG	TTTTTA-AGGAATTACTTTGTGTATGCTGCTG	ACCC	TGCTAT	ATGC	ACGCTGCT						
Sulfolobus turreted icosahedral virus NC_005892 (10445)		TTGATG	AAA	--TAAAGAATTTAGGAGTGG	AAGAGT	AGTAAGTTTTCGAGCAAAAT	----	ATAATGAAAT	TGA-G	--ATG					
		Section 185													
	(14721)	14721	14730	14740	14750	14760	14770	14780	14790	14800					
SARS-CoV-2 Reference Genome NC_045512.2 (14590)		TCT	GGTAATCTATTACTAGATAAACGC	ACTACGTGCTTTTCAGTAGCTGC	ACTTACTAA	CAATGTTGCTTTTCAAACTGT									
Sulfolobus turreted icosahedral virus NC_005892 (10516)		ATA	GATAATATAGCTAAACA-AAAAGGAGTAAGT	AGAAC	TGATATAATTTCA	TCTAA	AAATAGCTAAATA	TCTTG	AAAAG	G					
		Section 186													
	(14801)	14801	14810	14820	14830	14840	14850	14860	14870	14880					
SARS-CoV-2 Reference Genome NC_045512.2 (14670)		CAAACCCGGT	AATT	T--TAA	CAAGA	CTTC	TATGACTTTGCTGTG	TCTAAGG	GTTCTTTAAGGAAGG	AGTTC	TGTT-G				
Sulfolobus turreted icosahedral virus NC_005892 (10595)		AGGGGATAA	TGATT	G	TAA	CAAGTCTTC	ATGCCAGCAGAA	GTGATAG	AAGAGATTTACAGAAG	AAACGGAAGT	TATTG				
		Section 187													
	(14881)	14881	14890	14900	14910	14920	14930	14940	14950	14960					
SARS-CoV-2 Reference Genome NC_045512.2 (14747)		AA	TAAAA	C	ACTTCTTCTTTGCTCAGG	ATGGTAATGCTGCTATCAGC	GA--TTATGACTACTATC--GT	TATAA	CTAC						
Sulfolobus turreted icosahedral virus NC_005892 (10675)		AA	TAAAA	G	AGATGCTCT	GCATTTGGCAATTT	CATCTTGT	TAGAT-GAGG	TTGAGAGGCGAAC	GAAATAGAACT	TATT				
		Section 188													
	(14961)	14961	14970	14980	14990	15000	15010	15020	15030	15040					
SARS-CoV-2 Reference Genome NC_045512.2 (14823)		AAC	AAT	GTGTGATATCAGAC-AACT	ACTATTTGTAGTTGAAGTTG-TTGA	TAAGTACTTTGATTGTTACGATG	GTGGCT	G							
Sulfolobus turreted icosahedral virus NC_005892 (10754)		TGG	AAT	A-AGAAGTTTGGCTAGGA	AAAGTGTATGTCA	GAGATAGTAAGT	TAGAGAGGTTAAGG	GTT-TTGGC	G	CAAAAG					
		Section 189													
	(15041)	15041	15050	15060	15070	15080	15090	15100	15110	15120					
SARS-CoV-2 Reference Genome NC_045512.2 (14901)		TATTA	ATGCTAACCAAGT	CATCGTCAACAACC	TAGACAAATCAGCTGGT	TTTCCATTTAAT	AAATG	GGGGT	AAGG	CTAGAC					
Sulfolobus turreted icosahedral virus NC_005892 (10832)		TATA	AC	TGC-----AGT	TATGGTAG---	AGTTT	TAC---	T	AGCT	TATA	TTATC	AAAA	AG	AAAG	AAGGA-ATA

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		Section 190							
	(15121)	15121	15130	15140	15150	15160	15170	15180	15190 15200
SARS-CoV-2 Reference Genome NC_045512.2 (14981)		TTTAT	TATGATTC-AA	TGAGTTATG	AGGATCAAGA	TGCAC	TTTTCGCA	TATACAAAACG	TAATGTCATCCCTACTATAAC
Sulfolobus turreted icosahedral virus NC_005892 (10899)		TGGCATGGG	TGGGAA	GTATGGCA	AAGGTAA	AGGTT	TATAAAAC	TTTCCT---	TAGATGAAGAAACATTTC
		Section 191							
	(15201)	15201	15210	15220	15230	15240	15250	15260	15270 15280
SARS-CoV-2 Reference Genome NC_045512.2 (15060)		TCAAATGAAT	TCTTAA	GTATGCCATT	AGTGC	AAAGAA	TAGAGC	TC-GCACC	GTAGCTGGTGTCTCTATCTGTAGTACTATG
Sulfolobus turreted icosahedral virus NC_005892 (10976)		T---ATTAG	TAAAGC	ACAAGAGA	AGGCG	AAAGAA	AAG---	TATGGA	ATAGACACAAAGCTTGGAACAATAAAATT
		Section 192							
	(15281)	15281	15290	15300	15310	15320	15330	15340	15350 15360
SARS-CoV-2 Reference Genome NC_045512.2 (15139)		ACCAATAGAC	AGTTTC	ATCAAAAATT	ATTGAAAT	CAATAGCC	GCCACT	AGAGGAGCTACT	TGTAGTAATTTGGAACAAGCAA
Sulfolobus turreted icosahedral virus NC_005892 (11046)		AGCTTTAAAG	AGGCTA	ATCGAAGAT	GA---GAAT	TGATA-TA	GA-AGG	AGAGAAAGTTAG	TAGCTGAGATTGAACGGA---
		Section 193							
	(15361)	15361	15370	15380	15390	15400	15410	15420	15430 15440
SARS-CoV-2 Reference Genome NC_045512.2 (15219)		ATTCTATGG	TGGTTGG	CACACAT	TGTAA	AAACTGTTTA	TAGTGATG	TAGAAA	CCCTCACCTTTATGGTTGGGATTATC
Sulfolobus turreted icosahedral virus NC_005892 (11118)		----TACGT	TCAATAA	CAGGAC	TGTCTC	AAAAGCAAGT	TA-----	CTGA	ACTTCTTTAAATTATGCGTTAAGA--ATT
		Section 194							
	(15441)	15441	15450	15460	15470	15480	15490	15500	15510 15520
SARS-CoV-2 Reference Genome NC_045512.2 (15299)		CTAAATGTG	ATAGAGCC	ATGCCT	AACATGCTT	AGAAT	TATGGCC	CACTFG	TTCTTGCTCGCAACAATACAACTGTTTGT
Sulfolobus turreted icosahedral virus NC_005892 (11186)		CC-AGTGTG	CAATATT	ATGTAG	AAAAC----	AGATG	TATTATT	TAAATG	-----AACAA-AAAACCTTTGTG
		Section 195							
	(15521)	15521	15530	15540	15550	15560	15570	15580	15590 15600
SARS-CoV-2 Reference Genome NC_045512.2 (15379)		AGCTTGTCA	CACCGTTTC	TATAGAT	TAGCTAA	TGAGTGT	GCTCAA	GTATTG	AGTGAAATGGTCA
Sulfolobus turreted icosahedral virus NC_005892 (11248)		TCTTTT	TGCAAC	TTCGT-----	TAGCAT	ACTATTT	TTT	TGAAA	AAATTATGTAACTCTTCAAACTCTTTATGCCCT
		Section 196							
	(15601)	15601	15610	15620	15630	15640	15650	15660	15670 15680
SARS-CoV-2 Reference Genome NC_045512.2 (15458)		TATATGT	TAAACC	AGGTGGA	ACCTCAT	CAGGAGAT	GCCACAA	CTGCTT	ATGCTAATAGTGTTTTAACATTTGTCAAGCT
Sulfolobus turreted icosahedral virus NC_005892 (11322)		TCTCTGT	-----	AAGAAAT	AAAACT	TTTCCA	TCCGCG	CTTCTT	CCCTAGATATT-TTATCATCAATT-----

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															Section 197													
	(15681)	15681	15690	15700	15710	15720	15730	15740	15750	15760																		
SARS-CoV-2 Reference Genome NC_045512.2 (15538)	GTC	ACG	GCCAA	TGTTAA	TGCACT	TTTAT	CTACTGAT	GGTAA	CAAAA	ATTG	CCGAT	AAGT	ATGTC	CGCAAT	TTACAA	CACAG												
Sulfolobus turreted icosahedral virus NC_005892 (11387)	---	AAT	GAATC	TATTAAG	GATATA	TAATA	CACCATCA	GAAAT	TGTCT	AT	-----	ATCAA	ATCTC	TTCAAT	A--TCT	CGCTT												
															Section 198													
	(15761)	15761	15770	15780	15790	15800	15810	15820	15830	15840																		
SARS-CoV-2 Reference Genome NC_045512.2 (15618)	AC	TTTAT	GAGT	GTCTC	TATAG	--AA	TAGAG	GAT	TGT	TGAC	ACAG	ACTTT	GTGAAT	GAGT	TTTAC	GCA	TAT	TTG	CGT	AAACA								
Sulfolobus turreted icosahedral virus NC_005892 (11456)	CT	TAGTC	GTTT	CTC	-TCA	AGTCT	ACTTCC	GTTT	TATTT	TACCA	TACTTT	CA	GAATA	ATG	TAGTAG	GTT	TAT	--C	CTC	ATATA								
															Section 199													
	(15841)	15841	15850	15860	15870	15880	15890	15900	15910	15920																		
SARS-CoV-2 Reference Genome NC_045512.2 (15696)	T	TTCTCA	ATGAT	GATACT	CCTC	TGACG	ATGCT	GT	TGTG	TTTCAA	TAGC	ACT-TA	---	TGCATCT	CAAGG	TCTA	-GTGG	C										
Sulfolobus turreted icosahedral virus NC_005892 (11533)	C	TTTCTG	ATTTT	CATACT	TTCA	GTTA	ACTCTGT	-GT	AGT	TTTTAA	GTCT	ACGC	TAGAC	TCTATCT	TATAA	TC	CAAGTGG	G										
															Section 200													
	(15921)	15921	15930	15940	15950	15960	15970	15980	15990	16000																		
SARS-CoV-2 Reference Genome NC_045512.2 (15771)	T	AGCAT	AAA	GAAC	TTTAA	GT	CAGT	TTCT	TATTA	TC	AAA	AACA	ATG	TTTAT	GTCT	GAAG	--C	AAAAT	GT	TGG	ACT	GAGAC						
Sulfolobus turreted icosahedral virus NC_005892 (11612)	A	AA	CAT	---	GAAC	GATAA	TAC--	TTATATA	CTTCT	-AACA	CAGAG	CTC	TAGAGATA	GAGG	GTA	AAAAAT	AT	GAAA	AGC	GAAAG								
															Section 201													
	(16001)	16001	16010	16020	16030	16040	16050	16060	16070	16080																		
SARS-CoV-2 Reference Genome NC_045512.2 (15849)	TGA	CCTT	ACT	AAAG	GACCT	-CATG	AA	TTTGC	TCTCA	ACAT	ACAA	TGC	TAG	TTAA	CAG	GGTGA	TGATTAT	GTGT	AC	CTT								
Sulfolobus turreted icosahedral virus NC_005892 (11686)	AAG	CAAG	AGA	AAAG	TATCT	TG	CAA	AACTTT	AT	TCTAT	ACAA	AGAA	ATT	TAG	GAGAA	GC-G	CTCAC	----	AGAGG	AGCAG								
															Section 202													
	(16081)	16081	16090	16100	16110	16120	16130	16140	16150	16160																		
SARS-CoV-2 Reference Genome NC_045512.2 (15928)	C	CTT	ACCC	AGAT	TC	CATCAA	GATC	CCT	AGG	GG	CGGCT	GTTT	TG	TAGAT	GAT	ATCGT	AAAAA	ACA	GAT	GG	TAC	ACT	TAT	GAT				
Sulfolobus turreted icosahedral virus NC_005892 (11760)	C	GAAA	AGT	AGA	G	CAGG	GCG	G	A	---	AAAG	T	CAATAG	---	ATG	CATAT	TAT	TATA	-CTGT	AAG	GAT	--TAG	GGC	TAT	TTT			
															Section 203													
	(16161)	16161	16170	16180	16190	16200	16210	16220	16230	16240																		
SARS-CoV-2 Reference Genome NC_045512.2 (16008)	TG	A	ACG	G	T	CGT	G	T	C	T	T	T	A	G	C	T	A	T	A	G	A	T	C	T	A	A	T	
Sulfolobus turreted icosahedral virus NC_005892 (11831)	G	A	T	G	A	G	T	A	A	---	C	G	A	A	G	T	A	T	A	G	A	G	C	T	T	A	A	A

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										Section 204
	(16241)	16241	16250	16260	16270	16280	16290	16300	16310	16320
SARS-CoV-2 Reference Genome NC_045512.2 (16088)		TGTACTTACAAATACATAAGAAAGCTACATGATGAGTTACAAGGACACATGTTAGAC-ATGTATTCGTGTTATGCTTACTAA								
Sulfolobus turreted icosahedral virus NC_005892 (11908)		TGAAACTTAGAGTGATAAGAGAAGATAAGCAAGACACCAATTGGCGATTTTATATGAGCAAGATAACGATTAATATAA								
										Section 205
	(16321)	16321	16330	16340	16350	16360	16370	16380	16390	16400
SARS-CoV-2 Reference Genome NC_045512.2 (16167)		TGATAACACTTTCAGGTATGGAACCTGAG---TTTATGAGGCTATGTACA-CACCGCATACAGTCTTACAGGCTGTT								
Sulfolobus turreted icosahedral virus NC_005892 (11988)		AGATAATACA--ATAGAAATACGGACACAAAGAAATTTGTGCTAAGTAATTACACAAGAGATATAAAAAATTGGCAGAAA								
										Section 206
	(16401)	16401	16410	16420	16430	16440	16450	16460	16470	16480
SARS-CoV-2 Reference Genome NC_045512.2 (16243)		GGGGCTTGTGTTCTTTGCG--AATTCACAGACTTCATTAAAGATGTGTGCTTGCAACGTAGACCATTTCTATGTTGTAA								
Sulfolobus turreted icosahedral virus NC_005892 (12066)		AGTTTATCA GTTAGCTAAGTTAATAGAAAGCTTAGTCAATACGAAGAAGAG--TAGATACAGAAATTATA-----TAA								
										Section 207
	(16481)	16481	16490	16500	16510	16520	16530	16540	16550	16560
SARS-CoV-2 Reference Genome NC_045512.2 (16320)		ATGCTGTTACGACCATGTCATATCAACATCACATAAATTAGTCTTGCTGTTAAT-CCGTATGTTTGAATGCTCCAGGT								
Sulfolobus turreted icosahedral virus NC_005892 (12138)		TTTATTACACGAGTATGCAATATATCTAGCTGGAGCCACA TCTCTCTTTATTGATCTGTAAATTAAGTAATACTCATGAT								
										Section 208
	(16561)	16561	16570	16580	16590	16600	16610	16620	16630	16640
SARS-CoV-2 Reference Genome NC_045512.2 (16399)		TGTGATGTCACAGATGTGACTCAACTT-TACTTAGGAGGTATGAGCTATTATTGTAAATCACATAAACCAACCATTAAGTT								
Sulfolobus turreted icosahedral virus NC_005892 (12218)		TTTTTTTAAACTCTTTTTCTGAGTCTAAATATTGATGAGTTC--AAGCTTCT---GAAAAAGAAAGAAAGAACACAGCAAA--								
										Section 209
	(16641)	16641	16650	16660	16670	16680	16690	16700	16710	16720
SARS-CoV-2 Reference Genome NC_045512.2 (16478)		TTCCATTGTTGTGCTAATGACAAAGTTTTTGGTTTATATAAAATAACATGTGTTGGTAGCGATAAATGTTACTGACTTTAA								
Sulfolobus turreted icosahedral virus NC_005892 (12291)		-AACAGAAAGAGAAAGAAAAGAGAACAAAAAGACAGAGAAAGAAAGGACGAAAAAGTAGAAGAGAGAAAGAGAA-GAGAGAACAAA								
										Section 210
	(16721)	16721	16730	16740	16750	16760	16770	16780	16790	16800
SARS-CoV-2 Reference Genome NC_045512.2 (16558)		GCAAATTGCAACATGTGACTGGACAAATGCTGGTGATTACATTTTATGCTAACACCTGTACTGAAAGACTCAAGCTTTTTGC								
Sulfolobus turreted icosahedral virus NC_005892 (12369)		AGAAAGG--AACAGGCTGAAAAACAAAGAGGCCAAGAAAGAGAGAAAGAGGA---GAAAGAAAGAA-----GT								

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		Section 211							
	(16801)	16801	16810	16820	16830	16840	16850	16860	16870 16880
SARS-CoV-2 Reference Genome NC_045512.2 (16638)		AGCAGAA	ACGCTCA	AAGCT	ACTGAGGA	GACATTT	AACT	GTCTTATG	TAATTGCTACTGTACGTGAAGTGCTGTCTGACA
Sulfolobus turreted icosahedral virus NC_005892 (12439)		AGCAGAG	AAGAAG	AGAAG	AAAAAGGA	--ACAAA	GAAG	GAAAGAGAA	GAAGAACAAGAAAGAAAGTGTATAAAGCA
		Section 212							
	(16881)	16881	16890	16900	16910	16920	16930	16940	16950 16960
SARS-CoV-2 Reference Genome NC_045512.2 (16718)		GAGAA	TTAC	ATCTTTCA	TGGGAAGTT	GGTAAACC	TAGACC	ACCAC	TTAAACGAAATTATGTCTTACTGGTTATCGTG-T
Sulfolobus turreted icosahedral virus NC_005892 (12517)		GAGAA	AGAG	AGAGGAAG	TTAGTTACG	GT-TAAT	TGATTAG	-GTTGG	CATTCTTAAATCATGCTGAT
		Section 213							
	(16961)	16961	16970	16980	16990	17000	17010	17020	17030 17040
SARS-CoV-2 Reference Genome NC_045512.2 (16797)		AAC	TAAA	AACAGTAAAGT	ACAAA	TAGGAGA	GTAC	ACCTTT	GAAAAGGTACTATGGTGATGCTGTTGTTTACCGAGGTA
Sulfolobus turreted icosahedral virus NC_005892 (12595)		TAT	TTCC	ATTTGG	----AAAGG	TGAAGA	AATGA	-----GGA	-AAGAGCAATTGAGGATTTAGAA-GAAGGCATGGTA
		Section 214							
	(17041)	17041	17050	17060	17070	17080	17090	17100	17110 17120
SARS-CoV-2 Reference Genome NC_045512.2 (16877)		CAAC	AAC	T-TAC	AAATTAAAT	GTGGT	ATTATTTT	GTGCT	GACATCACA
Sulfolobus turreted icosahedral virus NC_005892 (12664)		GTAG	AGAT	TTTTAC	AGGAAATATAG	---	ATTTC	---	GTAGGAGACGT---TACGAGAAATCACA
		Section 215							
	(17121)	17121	17130	17140	17150	17160	17170	17180	17190 17200
SARS-CoV-2 Reference Genome NC_045512.2 (16956)		AGTG	CCACA	AGAGCACT	ATGT	TAGAA	TACTGG	CTTA	TACCCAA
Sulfolobus turreted icosahedral virus NC_005892 (12732)		ATG	-----	ATCA	TACAA	TAC	---	CTCT	TATGAAATCAAGTAAA-AGAGGTAAAT
		Section 216							
	(17201)	17201	17210	17220	17230	17240	17250	17260	17270 17280
SARS-CoV-2 Reference Genome NC_045512.2 (17036)		CAAAT	TATC	AAAAGGT	TGGT	ATGCA	AAAGTAT	TCACACT	CCAGGGA
Sulfolobus turreted icosahedral virus NC_005892 (12794)		A---	TCTC	GTGAGT	ATTG	-ACGCT	ATCA	TAA	TCATAGTGGC
		Section 217							
	(17281)	17281	17290	17300	17310	17320	17330	17340	17350 17360
SARS-CoV-2 Reference Genome NC_045512.2 (17116)		GGCCT	AGCTCTCTAC	TACC	CTTCTG	CTCG	CATAG	TGTA	TACAGCT
Sulfolobus turreted icosahedral virus NC_005892 (12866)		--CCT	CAACAGGACT	TAACT	TAAGAT	CTGT	CAATC	TG-	AGTTCTT

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		Section 218														
	(17361)	17361	17370	17380	17390	17400	17410	17420	17430	17440						
SARS-CoV-2 Reference Genome NC_045512.2 (17195)		AGGCATTAA	AATAATTT	GCTATAGATAAA	ATGTAGTAGAAT	TATACCTGCAC	TGCTCGTGTAGAG	TGTTTT	TGATAA	AATTC						
Sulfolobus turreted icosahedral virus NC_005892 (12943)		AGAGATTATAATA	AAAAG	GACGCAAA	AGGATGGA	CATTATTAA	AGGATTGTT	GAGCGCGGTATAG	----	ATGAGAAATGT						
		Section 219														
	(17441)	17441	17450	17460	17470	17480	17490	17500	17510	17520						
SARS-CoV-2 Reference Genome NC_045512.2 (17275)		AAAGTGA	ATTCAAC	ATTAGAAC	GTATG	TCTTTTGT	ACTGTAAAT	GCATTGCC	TGAGAC	GACAGCAGAT	ATAGTT	GTCTT				
Sulfolobus turreted icosahedral virus NC_005892 (13019)		ATAGTGA	--AGGGG	ATAGA	ATCATGG	TGGAATA	AGCATCCGA	GAGAATAT	TTAAGG	GCAATCAAAT	CAAA--	GCTTA				
		Section 220														
	(17521)	17521	17530	17540	17550	17560	17570	17580	17590	17600						
SARS-CoV-2 Reference Genome NC_045512.2 (17355)		TGATGAAA	TTTCAA	TGGCAC	CAAAAT	TGATG	CTTCAATG	CAGATTAC	GTGCTAA	GCACTAT	GTGTAC	ATTG				
Sulfolobus turreted icosahedral virus NC_005892 (13095)		AAC	TCAAA	G---AA	GCAG	CACAAA	--ATGA	GCAA	AAAGTAG	ATGATG	AGTGGTT	AAACTA	---AA	CGTAGAAGAGGAAAGA		
		Section 221														
	(17601)	17601	17610	17620	17630	17640	17650	17660	17670	17680						
SARS-CoV-2 Reference Genome NC_045512.2 (17435)		GC	GACCCCT	GCTCAATT	ACCTGC	ACCACGCA	CATTGCT	AACTA	AGGGCAC	ACTAGAAC	CAGAAT	ATTTCAAT	TCAGTGT	GT		
Sulfolobus turreted icosahedral virus NC_005892 (13167)		AG	GAGAGAA	GAGAGAC	AGAA	GAGAGAA	GAAGCA	-----	AAGT-AGG	-----	AGGAGAAC	TTCCGG	AGCTAACT	G		
		Section 222														
	(17681)	17681	17690	17700	17710	17720	17730	17740	17750	17760						
SARS-CoV-2 Reference Genome NC_045512.2 (17515)		AG	ACTTATG	AAA	ACTATAGG	TCCAGAC	ATGTCCT	CGGAAC	TTGT	CGGCG	TTGTC	TGCTG	AAATTTGT	TGAC---	ACTGT	
Sulfolobus turreted icosahedral virus NC_005892 (13238)		CA	AAAGCCT	ATAGAG	ATCAC	TGAG	GAGTTG	TAGC	CCTAGC	-CTACGG	GCGCTC	TGTG	--GAGC	TTGTAGT	CAGATTCT	
		Section 223														
	(17761)	17761	17770	17780	17790	17800	17810	17820	17830	17840						
SARS-CoV-2 Reference Genome NC_045512.2 (17592)		GAGT	GCTTTT	GTTTTATG	ATAATAA	GC--T	TAAAGC	ACATAA	A----	GACAAA	TCAGCT	CAATG	CTTTA--	AAATGTT	-TT	
Sulfolobus turreted icosahedral virus NC_005892 (13315)		GTCG	GCTAG	ATACA	AGAAG	ACGT	GGAAC	TAAACG	ACATAA	TTCCC	GACGAA	AGAA	ATTAA	CAACACGGG	AAATATTACT	
		Section 224														
	(17841)	17841	17850	17860	17870	17880	17890	17900	17910	17920						
SARS-CoV-2 Reference Genome NC_045512.2 (17663)		ATA	AGGGTG	TTATC	ACG	CATG	ATGTTT	CACTC	GCAATT	ACAG	CCAC	AAATAG	GGCGT	GGTA	GAAATTCCTTA	CACGT
Sulfolobus turreted icosahedral virus NC_005892 (13395)		ATCA	AACTCT	TAGAC	GCTCT	TGGTC	TTTT	TAAC	GAAA--	GATAT	GTTC	AGTAT	TCGT	TCTAG	GGAATCGGAAGCG	CGGC

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		Section 225																																		
	(17921)	17921	17930	17940	17950	17960	17970	17980	17990	18000																										
SARS-CoV-2 Reference Genome NC_045512.2 (17743)		AACC	CTGCTT	GGAGA	AAAG	CTGTCT	TTATTT	CACCT	TA	TAA	TCACAGAA	TGCTGT	AGCCTC	AAAG	-ATTT	TGG	GA	CT	AC																	
Sulfolobus turreted icosahedral virus NC_005892 (13472)		GCTG	CGGCTT	CAGAT	ATAG	TGCGA	TTGT	TAA	CTTAC	TT	TAA	GTC	CA	AG	AAGAG	GA	AGAAGA	AAAG	AAGA	T	CA	GA	AA	AA												
		Section 226																																		
	(18001)	18001	18010	18020	18030	18040	18050	18060	18070	18080																										
SARS-CoV-2 Reference Genome NC_045512.2 (17822)		CAAC	TCAAA	CTGTTG	ATTC	A-TC	ACAGG	GC	TCAGAA	TAT	GACT	AT	GT	CAT	AT	TCAC	T	CAAA	CAC	TGAAAC	AG	CT	CAC	TC												
Sulfolobus turreted icosahedral virus NC_005892 (13552)		ACAA	TGGAA	GGGAGA	AGGGA	ATA	AGAG	C	GATTT	GAGT	--	GAAA	AG	G	----	AT	AAGG	T	GAAA	T	CAC	-----	AA	CT	AA	CG										
		Section 227																																		
	(18081)	18081	18090	18100	18110	18120	18130	18140	18150	18160																										
SARS-CoV-2 Reference Genome NC_045512.2 (17901)		TTG	TAA	TG	TAA	CAG	ATT	TA	ATGTT	G	TAT	TAC	CAG	AGCA	AA	AGT	AGG	CA	TACT	TT	GCATA	AT	GT	CT	GAT	AG	AG	CT	TT							
Sulfolobus turreted icosahedral virus NC_005892 (13620)		TAA	TGGAG	G	AAAT	G	GA	GA	TA	TGAAA	G	T	CC	TA	G	CAG	CAT	G	AT	AGT	CAAT	C	TA	AAG	TCAG	AT	AG	CG	GA	AA	AT	GG	--	TT		
		Section 228																																		
	(18161)	18161	18170	18180	18190	18200	18210	18220	18230	18240																										
SARS-CoV-2 Reference Genome NC_045512.2 (17981)		ATGA	CAAGTT	GCAA	TTTT	ACA	AGT	C	TTGA	-AATT	CC	AC	GT	AGGAA	TG	TGG	CAA	-	CTT	TAC	AG	CT	GA	AAAT	TG	---	TAAC	AG								
Sulfolobus turreted icosahedral virus NC_005892 (13698)		AGAC	CAGAAA	GCAA	AAG	A	AT	A	CTTAAA	A	CAATT	AA	A	GA	AGGAA	AA	GTT	CA	GC	C	ACGTT	AT	GAA	GA	GTG	T	CAAG	TAAC	GA							
		Section 229																																		
	(18241)	18241	18250	18260	18270	18280	18290	18300	18310	18320																										
SARS-CoV-2 Reference Genome NC_045512.2 (18056)		GAC	TC	TT	TAA	AGA	----	T	GTA	G	TAA	GG	TAAT	CA	CTGGG	T	ACA	TCCTAC	A	CAG	GC	CC	T	ACAC	AC	CT	CA	GT	GT	TGA	CAC					
Sulfolobus turreted icosahedral virus NC_005892 (13778)		AAAT	TTT	CTT	AGA	CGGGA	TAAC	GA	AAG	C	TA	CTAA	TAAAT	TC	AA	GA	----	AG	CA	GC	CC	T	-TTA	AG	-GG	GT	CT	CTT	CA	-						
		Section 230																																		
	(18321)	18321	18330	18340	18350	18360	18370	18380	18390	18400																										
SARS-CoV-2 Reference Genome NC_045512.2 (18132)		TAAA	TTC	AA	AACT	G	AG	TTT	---	A	TGT	G	TT	GACA	T	ACCTG	G	CAT	AC	CT	AAG	-	GA	CAT	G	ACCT	A	T	-	GA	AG	ACT	CA	T	CT	C
Sulfolobus turreted icosahedral virus NC_005892 (13851)		ATTC	TTC	T	A	AT	TTT	AG	TTT	GGCG	TGTG	-	A	GACA	AA	TGAA	GAAT	TC	AG	AAG	AGA	GT	TA	ATAG	AAAT	GT	AT	AT	CA	ACT	T					
		Section 231																																		
	(18401)	18401	18410	18420	18430	18440	18450	18460	18470	18480																										
SARS-CoV-2 Reference Genome NC_045512.2 (18207)		TAT	GAT	GGG	TTT	TAA	AAAT	GAAT	TATC	AA	GT	T	AAT	GG	T	AC	CC	TA	ACAT	TG	T	TTAT	CA	CCC	G	CGA	AGA	AG	CT	ATA	AG	AC	AT	G		
Sulfolobus turreted icosahedral virus NC_005892 (13930)		GAG	GAT	TTT	TT	CCT	AGCC	GGA	TAGA	AAAT	G	AAT	CC	T	G	AC	GA	TA	TG	TG	G	TTAT	TA	TTGG	T	-----	AG	--	AAA	-	GCG	AAG				

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		Section 232									
	(18481)	18481	18490	18500	18510	18520	18530	18540	18550	18560	
SARS-CoV-2 Reference Genome NC_045512.2	(18287)	TAC	GTGCATGGATTGG	CTT	CGATGTC	GAGGGGTG	TCATGCTACT	TAGAGAAGCTGTT	GGTACCAA	TTTACCTTTACAGCTA	
Sulfolobus turreted icosahedral virus NC_005892	(14002)	CG	GTAAAGA-GCTAC	-CTT--AT	TAAAGCATTACT	TTATTC	AGTTCCTTAAG	-----GCTCA	CAAATCTCT	CTT-ACATAAT	
		Section 233									
	(18561)	18561	18570	18580	18590	18600	18610	18620	18630	18640	
SARS-CoV-2 Reference Genome NC_045512.2	(18367)	G	GTTTTCTACAGG	TGTAA	CCTAGT	TCTGTACC	TACAGGTTAT	GTTGATAC	ACCTAA	TAA	
Sulfolobus turreted icosahedral virus NC_005892	(14071)	A	GTGACATAA	TCTTCTAA	GA-AGT	GTTT	CAGAA	TAC	TCAAA	ATTCGGGTATAA-TGT	
		Section 234									
	(18641)	18641	18650	18660	18670	18680	18690	18700	18710	18720	
SARS-CoV-2 Reference Genome NC_045512.2	(18447)	TAG	TG-CTAAAC	CAACCGCC	TGGAGATCA	ATTTAA	ACACCTCA	TACCACT	TATGTACAA	AGGACTT	
Sulfolobus turreted icosahedral virus NC_005892	(14145)	TAG	TTTCCAAAC	AAATA-TG	TTGTTCG	TGTAT	GATAGAGAAAA	AAATGATG	TATTTTTTG	AAAATT--ATGGAATG	
		Section 235									
	(18721)	18721	18730	18740	18750	18760	18770	18780	18790	18800	
SARS-CoV-2 Reference Genome NC_045512.2	(18526)	CGTA	TAAAGATTGTAC	AAATGTTAA	GTTGACAC	ACTTAA	AAATCTCTCT	GACAGAGTCG	TATTTGTCT	TATGGGCACATGG	
Sulfolobus turreted icosahedral virus NC_005892	(14222)	AAAT	TACACGCCAAGA	AAATG	GGGAACT-AGTGT	CTCA	TTATA----	GATGAAGCT-	TACTATCACT	TTAAGTATA-GG	
		Section 236									
	(18801)	18801	18810	18820	18830	18840	18850	18860	18870	18880	
SARS-CoV-2 Reference Genome NC_045512.2	(18606)	C	TTTGAGT	TGACAT	CTATGA	AGTAT	TTTGTG	AAAAATAGGA	ACCTGAGC	GCACCTGTTGTCTATGT	
Sulfolobus turreted icosahedral virus NC_005892	(14294)	C	AGAAAGTA-AC	GCGGCA	ATCGAT	GAGGC	-----A-CT	ACATGC	GAATCGACA	CGCAGGGATAGGGCTTATATTA	
		Section 237									
	(18881)	18881	18890	18900	18910	18920	18930	18940	18950	18960	
SARS-CoV-2 Reference Genome NC_045512.2	(18685)	T	GCTTTTCC	ACTGCTT	CAGACA	CTTATGCC	TGTTGG	CATCATT	CTATTG	GATTTGATTACGTCTATAAT	
Sulfolobus turreted icosahedral virus NC_005892	(14363)	A	GTACACAGA	GAGTCT	-ATGAT	CTAATGCC	GATTGT	CTACA	ACAAGCA	GATCTCATTA	
		Section 238									
	(18961)	18961	18970	18980	18990	19000	19010	19020	19030	19040	
SARS-CoV-2 Reference Genome NC_045512.2	(18765)	T	GATGTTCA	ACAAAT	TGGGT	TTTACAG	GTAACC	TACAAAG	CAACCAT	GATCTGTAT	
Sulfolobus turreted icosahedral virus NC_005892	(14442)	T	AATGA--ACT	AAAGT	GGATCT	CAAA	GTA	CATTAG	CACGGAAG	CAGCAGAGAAAGTGAA	

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		Section 239																																					
	(19041)	19041	19050	19060	19070	19080	19090	19100	19110	19120																													
SARS-CoV-2 Reference Genome NC_045512.2 (18845)		TAGCTAGT	TGTGAT	GCAATC	ATGAC	TAG	GTGTC	TAG	CTGTCCACG	AGTGC	TTTGT	TAAAG	CG-TG	TTGACT	GGACT	ATT	GA																						
Sulfolobus turreted icosahedral virus NC_005892 (14515)		TACTT	TTTGAT	----	TATGAC	---	GTGAA	TAG	TCAAATGAT	AAAAA	TACATA	AAGC	CGAT	TTGA	--	GAAAA	ATT	TT																					
		Section 240																																					
	(19121)	19121	19130	19140	19150	19160	19170	19180	19190	19200																													
SARS-CoV-2 Reference Genome NC_045512.2 (18924)		ATATCC	TAT	AATTG	GTGATG	AAC	TGAAG	ATTAA	TGCGG	CTTG	TAGAAAGG	TTCAAC	ACAT	TGGTTGT	T	AAAGCTGC	ATTAT	T																					
Sulfolobus turreted icosahedral virus NC_005892 (14582)		TAAAGA	TAGA	----	GAGA	G-AA	TATCC	ATGGT	TGTAT	CCCC	TCTCCTTT	TTT	TTTG	ACT	TCTGAT	TGAA	CCGCTT	AGGC	T																				
		Section 241																																					
	(19201)	19201	19210	19220	19230	19240	19250	19260	19270	19280																													
SARS-CoV-2 Reference Genome NC_045512.2 (19004)		TAGCAG	ACAAATT	CC	CAGTTCT	TACG	ACATTG	GT	AAC	CC	TAAAGC	TATTA	AGTGTGTA	CCTC	--	AAGC	TGATGT	TAG	AAT																				
Sulfolobus turreted icosahedral virus NC_005892 (14657)		GAGTTC	ATAAATT	TT	CTGAAAC	TCTC	ATATTG	AA	AAC	--	TTGT	TTTCAT	AGCAGAAT	CCAC	GTTTTT	TG	TCC	TCA	AAT																				
		Section 242																																					
	(19281)	19281	19290	19300	19310	19320	19330	19340	19350	19360																													
SARS-CoV-2 Reference Genome NC_045512.2 (19082)		GGAA	GTTCT	ATGAT	GCA	AGCC	TT	GT	AGTGACAAAGC	TT	A	TAA	A	TAG	A	GAA	TTA	TT	C	T	A	T	T	C	T	A	T	G	C	A	C	A	T	T	C	T			
Sulfolobus turreted icosahedral virus NC_005892 (14735)		GT	AAA	--AA	AAC	ATAG	AA	ATTT	TAG	AA	ATTT	TGTT	--	TT	C	T	CA	TAT	G	AT	AA	GGT	TT	A	T	A	G	C	G	AA	AAAA	C	T	A	C	A	T	---	
		Section 243																																					
	(19361)	19361	19370	19380	19390	19400	19410	19420	19430	19440																													
SARS-CoV-2 Reference Genome NC_045512.2 (19162)		GACA	AATT	CACAGAT	GGT	GT	AT	GCCTATTTT	G	GA	ATT	GC	ATG	TCGATA	GAT	AT	CC	TG	C	T	A	T	T	C	C	A	T	T	G	T	T	G	T	A	G	A	T	T	
Sulfolobus turreted icosahedral virus NC_005892 (14808)		--AG	A	TT	TTTTTT	G	A	G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
		Section 244																																					
	(19441)	19441	19450	19460	19470	19480	19490	19500	19510	19520																													
SARS-CoV-2 Reference Genome NC_045512.2 (19242)		TGACAC	TAG	GTGCTAT	CTAAC	CT	TA	ACT	TGCCTGG	TT	GT	GA	TGGT	GGC	A	GTTT	GT	ATGT	AAA	T	AA	ACA	-T	G	C	A	T	C	A	C	A	C	A	C	A	C			
Sulfolobus turreted icosahedral virus NC_005892 (14880)		TCGGTG	TA	TG	G	C	A	G	G	A	CTAAC	T	C	TA	---	T	A	T	A	A	A	T	C	G	T	A	A	A	C	T	A	T	G	A	A	A	A	A	
		Section 245																																					
	(19521)	19521	19530	19540	19550	19560	19570	19580	19590	19600																													
SARS-CoV-2 Reference Genome NC_045512.2 (19321)		ACA	CCAG	C	T	T	T	G	A	T	A	A	A	G	T	G	C	T	T	T	G	T	A	A	T	T	A	A	A	A	A	A	A	A	A	A	A	A	
Sulfolobus turreted icosahedral virus NC_005892 (14957)		ACA	G	A	G	A	C	A	T	T	-	-	A	C	A	A	C	A	G	A	-	C	T	T	A	-	T	G	C	G	T	G	A	C	T	G	A	C	T

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Section 246									
	(19601)	19601	19610	19620	19630	19640	19650	19660	19670 19680
SARS-CoV-2 Reference Genome NC_045512.2 (19400)	CTC	ATGGAA	AAAC	AAGTA	GTG	TCAG	ATATAGATT	ATG	TACCACTAAAGTCTGCTACGTGTATTAACACGTTCGAATTAGGT
Sulfolobus turreted icosahedral virus NC_005892 (15031)	--T	ATCAG	AAA	GAATTAG	GGT	TCAG	CTAATAGG--ATCTATTTCTAA	TAGCGGTACTGCCGCTGTAACTCTTCATCAGCGC	
Section 247									
	(19681)	19681	19690	19700	19710	19720	19730	19740	19750 19760
SARS-CoV-2 Reference Genome NC_045512.2 (19480)	GGTGC	TGT	CTGTAG	ACATCA	TGCTAAT	GAGTACAGATT	G-TATCTCGATGCTTATAACATGATGATCTCAGCTGGCTTT		
Sulfolobus turreted icosahedral virus NC_005892 (15108)	CT--	TTC	CCATACA	AATT	TAGTGC	AGACGTT	TAACCTTGA	GC	TATGAAGG-CTCAAAGACTCTTTATTCAGTCTCGGTTAC
Section 248									
	(19761)	19761	19770	19780	19790	19800	19810	19820	19830 19840
SARS-CoV-2 Reference Genome NC_045512.2 (19558)	AGCT	TGTGG	GT	TTACAA--	ACAAT--	TTGAT	ACTTATA	AACCTCTGGAACACTTTTACAAGACTTCA	GAGTTTAGAAAAT
Sulfolobus turreted icosahedral virus NC_005892 (15184)	AGG	TCTGG	CA	TTTTAA	TGT	ACT	ATAC	TACAAAGGACAGAA	TCAGCATACCCC
Section 249									
	(19841)	19841	19850	19860	19870	19880	19890	19900	19910 19920
SARS-CoV-2 Reference Genome NC_045512.2 (19633)	G	TGGCTTT	AATG	TTGTAA	TAAGGG	ACAC	TTTGA	TGGACAA	CAGGGTGAAGTACCACTTTCTATCATTAATAACACTGT
Sulfolobus turreted icosahedral virus NC_005892 (15264)	C	TGG--TT	AGTGA	AAT--CT	TAA	CTAATG	TGGGA	ATTTCGATCTAGCTAGATTCCCTGCTACAAATGGT-TCAA	AAATATTT
Section 250									
	(19921)	19921	19930	19940	19950	19960	19970	19980	19990 20000
SARS-CoV-2 Reference Genome NC_045512.2 (19713)	T	TACACAAA	AGTT--G	AT	GGTGTGATG	TAGAAT	TGT	TTGAAAA	TAAACACAT-TACCTGTTAATGTAGCATTTGAG
Sulfolobus turreted icosahedral virus NC_005892 (15338)	A	TACT	CAGCATTT	TGAC	AG	GACAGGCGCC	TAG	CGGTGTCTCCATAA	ACGCTAGTTCTTACATAAACAAATACATATGAAAG
Section 251									
	(20001)	20001	20010	20020	20030	20040	20050	20060	20070 20080
SARS-CoV-2 Reference Genome NC_045512.2 (19789)	CT	TGGGCT	AAGC	GAA	CAATTA	AAACC	AGTACCA	GAGGT	GAAAAATAC
Sulfolobus turreted icosahedral virus NC_005892 (15418)	AG	TAA	CAGC	ACAG	GAA	ATTA	AGT	AGGGAGG	GTTAGCGCAGACGGTGAATGCC--TCTCGCTACGGTCTTACCGAA
Section 252									
	(20081)	20081	20090	20100	20110	20120	20130	20140	20150 20160
SARS-CoV-2 Reference Genome NC_045512.2 (19869)	T	GTGATC	TGG	ACTAC	AAAGAG	ATGCT	CCAG	CACATAT-ATCTACTAT	TGGTGTGTTCTATGACTGACATAGCCAG
Sulfolobus turreted icosahedral virus NC_005892 (15496)	G	GT	ATC	GAG-AT	CTCA	ATTT	AACG	TACCG	CTAGC

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Section 253									
(20161)	20161	20170	20180	20190	20200	20210	20220	20230	20240
SARS-CoV-2 Reference Genome NC_045512.2 (19948)	AAACCAACT	GAAACGA	-TTTGTGCACC	ACTCAGTGT	CTTTTTTGATGG	TAGAGTTGAT	GGTCAAGT	TAGACTTAT	TAGAA
Sulfolobus turreted icosahedral virus NC_005892 (15574)	ATAAAGAG	GCAAGTTAG	TTTATGTGAT	AAACAGTAC	CTCAGGAATCAA	TACACAGAT	CCAACCGA	ATATGAGC	TAAAA
Section 254									
(20241)	20241	20250	20260	20270	20280	20290	20300	20310	20320
SARS-CoV-2 Reference Genome NC_045512.2 (20027)	ATGCCCCG	TAATGGTGT	CTTA-TTACAG	AAAGGTAG	TGTTAAAGG	TTACA--AC	CATCTGT	TAGGTCCC	AAACAAGCT
Sulfolobus turreted icosahedral virus NC_005892 (15654)	TGT---TA	GAGGTGTAC	CAACTGACA	AAATCAAG	GTAAGTTGG	GCTGCTCTT	CAGGCAGA	-----G	AAACAAGCT
Section 255									
(20321)	20321	20330	20340	20350	20360	20370	20380	20390	20400
SARS-CoV-2 Reference Genome NC_045512.2 (20104)	CTTAATG	GAGTCAC	-ATTAA	TGGAGAAG	CCGTAA	AAACACAG	TTCAATTA	TATAAG	AAAGTTGAT
Sulfolobus turreted icosahedral virus NC_005892 (15725)	TATCA-A	GTAGCAC	ATATAG	TGGAGCTT	CCGCCATC	ATTGAC	TTTAGGAA	ATATTTT	AAATGGC
Section 256									
(20401)	20401	20410	20420	20430	20440	20450	20460	20470	20480
SARS-CoV-2 Reference Genome NC_045512.2 (20183)	AATTACCT	GAACTTAC	CTTTACTC	AGAGTAGA	AAATTTACA	AGAATTAA	ACCAAGG	AG--TC	---AATG
Sulfolobus turreted icosahedral virus NC_005892 (15804)	ACGCTCC	GTCAGATAG	CATAGAAT	ACGATCT	AGCTTTACA	-GAATCA	AGACAA	TGTATAC	TCCTCTAT
Section 257									
(20481)	20481	20490	20500	20510	20520	20530	20540	20550	20560
SARS-CoV-2 Reference Genome NC_045512.2 (20258)	TCTTAGA	AATTAGC	TATGGAT	GAATTCAT	TGAACGG	TATAAAT	TAGAGGC	TATGCTT	CGAACAT
Sulfolobus turreted icosahedral virus NC_005892 (15883)	GCTTCC	AATACTA	CATCA	ACTCGCAGCG	TTACCTG	CTCAAG	TAGCAGCA	ATAGTAC	AAC-AA
Section 258									
(20561)	20561	20570	20580	20590	20600	20610	20620	20630	20640
SARS-CoV-2 Reference Genome NC_045512.2 (20338)	TTTAGTCAT	AGTCAGT	TAGGTG	GTTTAC	ATCTACT	GATTTGGAC	TAGCTAA	CGTTTAA	GGAATCA
Sulfolobus turreted icosahedral virus NC_005892 (15962)	AGAAGGATA	AAG-AGA	TAGATG	AGGTA	-AGAT---	GTC	TTTTTT	TTTGAGGA	TTGTTTAA
Section 259									
(20641)	20641	20650	20660	20670	20680	20690	20700	20710	20720
SARS-CoV-2 Reference Genome NC_045512.2 (20418)	AGATTTTAT	TCCTATGGA	CAGTACAG	TTAAAACT	ATTTCTA	TAAAGAT	GCGCAAA	CAGGTTC	ATCTAA
Sulfolobus turreted icosahedral virus NC_005892 (16037)	TAATTTTAC	T-AAACAAG	CTAA	AAAAATC	AAATTT	CTGACGT	AGAAA	A-GTAATC	--CAGAAAG

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		Section 260									
	(20721)	20721	20730	20740	20750	20760	20770	20780	20790	20800	
SARS-CoV-2 Reference Genome NC_045512.2	(20498)	CTGT	TATTG	ATTATT	ACTTG	ATGAT	TTTGT	TGA	AAATA	ATAAA	ATCC
Sulfolobus turreted icosahedral virus NC_005892	(16112)	GAAAT	-TTT	ACC	TACC	AC	TGT	-CCA	TCT	ACC	AA
		Section 261									
	(20801)	20801	20810	20820	20830	20840	20850	20860	20870	20880	
SARS-CoV-2 Reference Genome NC_045512.2	(20578)	GTG	ACTATT	GACT	ATAC	AG	AAATT	TC	ATTTAT	GCTTT	GGTG
Sulfolobus turreted icosahedral virus NC_005892	(16185)	GTAA	TCCAGA	AAG	ATA	T	-ACT	CA	TC	ACC	GAAA
		Section 262									
	(20881)	20881	20890	20900	20910	20920	20930	20940	20950	20960	
SARS-CoV-2 Reference Genome NC_045512.2	(20658)	ATCT	AGTC	AAGC	G	TGCA	ACCG	GGT	GT	TGCT	ATG
Sulfolobus turreted icosahedral virus NC_005892	(16253)	TCAA	ATCG	AAGC	AG	GAAT	AGG	T	-ACG	TAGA	AAA
		Section 263									
	(20961)	20961	20970	20980	20990	21000	21010	21020	21030	21040	
SARS-CoV-2 Reference Genome NC_045512.2	(20738)	TTCA	AAAT	TAT	GGT	G	ATAG	TG	CAAC	AT	TAC
Sulfolobus turreted icosahedral virus NC_005892	(16327)	TAC	ACC	T	-GT	CC	AT	CT	AC	CAA	ATA
		Section 264									
	(21041)	21041	21050	21060	21070	21080	21090	21100	21110	21120	
SARS-CoV-2 Reference Genome NC_045512.2	(20818)	TTAA	AC	CAT	TAA	CA	TTAG	CT	GTAC	CC	TAT
Sulfolobus turreted icosahedral virus NC_005892	(16395)	TTAA	AC	GAT	G	T	-G	CA	AA	AG	GCT
		Section 265									
	(21121)	21121	21130	21140	21150	21160	21170	21180	21190	21200	
SARS-CoV-2 Reference Genome NC_045512.2	(20898)	AGG	TAC	GAG	CT	TTTA	AG	AC	AGT	GG	TT
Sulfolobus turreted icosahedral virus NC_005892	(16467)	-GGT	G	CAG	C	-	-	-	-	-	-
		Section 266									
	(21201)	21201	21210	21220	21230	21240	21250	21260	21270	21280	
SARS-CoV-2 Reference Genome NC_045512.2	(20978)	CAG	ATT	CA	ACT	TG	ATT	GT	G	CA	CT
Sulfolobus turreted icosahedral virus NC_005892	(16537)	CAG	TAGA	A	CA	AG	T	AG	AA	T	CA

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	(21281)	21281	21290	21300	21310	21320	21330	21340	21350 21360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SARS-CoV-2 Reference Genome NC_045512.2 (21057)	CC	CTAA	GACTA	--AAA	ATGTTA	CAAAA	GAAAT	TGA	CTCTAAAGAGGGT	TTTTTTT	CAC	T	TAC	ATTT	G	TGGG	TTT	AT	ACA	ACA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sulfolobus turreted icosahedral virus NC_005892 (16616)	GT	CTCA	-ACTA	TTT	AA	TGCCGA	A--TC	GCAAT	TAG	CTG	CG	AA	CA	---	T	CAT	TAC	CCG	T	GAC	GG--	G	GACT	TTT	GG	ACA	CTT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	(21361)	21361	21370	21380	21390	21400	21410	21420	21430 21440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SARS-CoV-2 Reference Genome NC_045512.2 (21135)	AA	AGCTAGC	TC	TT	GGAG	GT	TC	CG	TGG	CT	ATA	AAGAT	AACAG	AACAT	T	CT	T	GGA	AT	TGC-	T	GAT	CT	T	T	ATA	G	CT	CAT	GGG	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Sulfolobus turreted icosahedral virus NC_005892 (16688)	GG	CAGCGCA	TC	CG	GGAG	AA	TC	AT	TGG	GGA	GT	AAGAT	T----	AG	TGA	T	A	G	CA	T	TGG	T	A	TAG	C	T	G	A	CT	G	CT	TCC	GGG	G																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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	(21441)	21441	21450	21460	21470	21480	21490	21500	21510 21520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SARS-CoV-2 Reference Genome NC_045512.2 (21214)	CAC	T	TCGC	AT	G	T	G	GACAGC	CT	T	T	G	T	TAC	TAATGT	G	A	T	G	CGT	C	A	T	C	A	T	CT	G	AAGC	ATTT	TTA	ATT	GGA	TG	TA	ATT	A	T	C	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Sulfolobus turreted icosahedral virus NC_005892 (16764)	T--	T	AGAT	AT	A	G	C	G	T	C	T	T	--	CT	C	T	C	T	TAC	G	C	C	C	--	G	C	A	G	CGT	-	AGG	AG	CT	G	AAGC	CGCG	TTA	G	C	C	GG	A	G	C	TA	G	A	G	C	TT	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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	(21521)	21521	21530	21540	21550	21560	21570	21580	21590 21600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SARS-CoV-2 Reference Genome NC_045512.2 (21294)	T	G	G	CA	AA	C	C	G	C	G	AA	CAAA	TAGAT	TGGTT	AT	G	T	C	A	T	G	C	A	T	G	C	AA	A	T	TAC	A	T	A	T	T	T	G	G	A	G	A	A	TAC	AAA	TC	C	A	A	T	T	C	A	G	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Sulfolobus turreted icosahedral virus NC_005892 (16838)	A	G	---	AA	A	C	A	G	A	G	A	G	AAA	C	A	G	C	T	A	C	A	G	A	T	C	T	A	T	AA	A	T	C	T	C	T	G	C	G	AA	A	G	A	T	T	-	AGG	A	A	G	T	G	AAA	--	C	T	A	C	T	A	G	A	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	(21601)	21601	21610	21620	21630	21640	21650	21660	21670 21680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
SARS-CoV-2 Reference Genome NC_045512.2 (21374)	T	G	T	C	T	C	C	T	A	T	C	T	T	T	A	T	T	T	G	A	C	A	T	G	A	T	T	T	C	C	C	T	T	A	A	T	T	A	A	G	G	G	T	A	A	A	A	G	A	G	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Sulfolobus turreted icosahedral virus NC_005892 (16912)	T	G	A	C	T	A	---	A	T	C	G	G	T	A	G	A	G	A	G	G	G	A	T	A	T	T	T	A	G	A	T	T	T	A	G	A	T	G	A	A	T	T	A	G	A	A	A	G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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	(21841)	21841	21850	21860	21870	21880	21890	21900	21910	21920																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SARS-CoV-2 Reference Genome NC_045512.2 (21613)		TC	T	T	A	CA	ACC	A	G	A	A	CTC	---	A	A	T	T	A	C	C	C	C	T	G	C	A	T	A	C	A	C	T	G	A	C	A	A	G	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Sulfolobus turreted icosahedral virus NC_005892 (17137)		TC	G	G	A	G	G	C	G	A	A	A	A	A	A	A	A	G	G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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		Section 281							
	(22401)	22401	22410	22420	22430	22440	22450	22460	22470 22480
SARS-CoV-2 Reference Genome NC_045512.2	(22165)	TAAAAATATATTCTAAGCACACGCCTATTAATTTAGTGCCTGATCTCCCTCAGGGTTTTTCGGCTTTAGAACCATTGGTAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 282							
	(22481)	22481	22490	22500	22510	22520	22530	22540	22550 22560
SARS-CoV-2 Reference Genome NC_045512.2	(22245)	ATTTGCCAATAGGTATTAACATCACTAGGTTTTCAAACCTTACTTGCTTTACATAGAAGTTATTTGACTCCTGGTGATTCT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 283							
	(22561)	22561	22570	22580	22590	22600	22610	22620	22630 22640
SARS-CoV-2 Reference Genome NC_045512.2	(22325)	TCTTCAGGTTGGACAGCTGGTGCTGCAGCTTATTATGTGGGTTATCTTCAACCTAGGACTTTTCTATTAAAAATATAATGA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 284							
	(22641)	22641	22650	22660	22670	22680	22690	22700	22710 22720
SARS-CoV-2 Reference Genome NC_045512.2	(22405)	AAATGGAACCATTACAGATGCTGTAGACTGTGCACCTTGACCCTCTCTCAGAAACAAAGTGACGTTGAAATCCTTCACTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 285							
	(22721)	22721	22730	22740	22750	22760	22770	22780	22790 22800
SARS-CoV-2 Reference Genome NC_045512.2	(22485)	TAGAAAAAGGAATCTATCAAACCTCTAACTTTAGAGTCCAACCAACAGAATCTATTGTTAGATTTCTAATATTACAAAC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 286							
	(22801)	22801	22810	22820	22830	22840	22850	22860	22870 22880
SARS-CoV-2 Reference Genome NC_045512.2	(22565)	TTGTGCCCTTTTGGTGAAGTTTTTAAACGCCACCAGATTTGCATCTGTTTATGCTTGGAACAGGAAGAGAATCAGCAACTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 287							
	(22881)	22881	22890	22900	22910	22920	22930	22940	22950 22960
SARS-CoV-2 Reference Genome NC_045512.2	(22645)	TGTTGCTGATTATTCTGTCCTATATAATTCCGCATCATTTTCCACTTTTAAGTGTTATGGAGTGCTCCTACTAAATTAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 288							
	(22961)	22961	22970	22980	22990	23000	23010	23020	23030 23040
SARS-CoV-2 Reference Genome NC_045512.2	(22725)	ATGATCTCTGCTTTACTAATGTCTATGCAGATTCATTTGTAATTAGAGGTGATGAAGTCAGACAAATCGCTCCAGGGCAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 289							
	(23041)	23041	23050	23060	23070	23080	23090	23100	23110 23120
SARS-CoV-2 Reference Genome NC_045512.2	(22805)	ACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 290							
	(23121)	23121	23130	23140	23150	23160	23170	23180	23190 23200
SARS-CoV-2 Reference Genome NC_045512.2	(22885)	TGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTAATCTCAAACCTTTTGAGAGAGATA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 291							
	(23201)	23201	23210	23220	23230	23240	23250	23260	23270 23280
SARS-CoV-2 Reference Genome NC_045512.2	(22965)	TTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTAAATTGTTACTTTCTTTTACAATCA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 292							
	(23281)	23281	23290	23300	23310	23320	23330	23340	23350 23360
SARS-CoV-2 Reference Genome NC_045512.2	(23045)	TATGGTTTCCAACCCACTAATGGTGTGGTTACCAACCATACAGAGTAGTAGTACTTTCTTTTGAAGTTCTACATGCACC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 293							
	(23361)	23361	23370	23380	23390	23400	23410	23420	23430 23440
SARS-CoV-2 Reference Genome NC_045512.2	(23125)	AGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAAACAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 294							
	(23441)	23441	23450	23460	23470	23480	23490	23500	23510 23520
SARS-CoV-2 Reference Genome NC_045512.2	(23205)	GCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTCTGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGAT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 295							
	(23521)	23521	23530	23540	23550	23560	23570	23580	23590 23600
SARS-CoV-2 Reference Genome NC_045512.2	(23285)	GCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTTCAGTGTTATAACACCAGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 296							
	(23601)	23601	23610	23620	23630	23640	23650	23660	23670 23680
SARS-CoV-2 Reference Genome NC_045512.2	(23365)	AACAAATACTTCTAACCAGGTTGCTGTTCTTTATCAGGATGTTAACTGCACAGAAGTCCCTGTTGCTATTTCATGCAGATC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 297							
	(23681)	23681	23690	23700	23710	23720	23730	23740	23750 23760
SARS-CoV-2 Reference Genome NC_045512.2	(23445)	AACTTACTCCTACTTGGCGTGTTTATTCTACAGGTTCTAATGTTTTTCAAACACGTGCAGGCTGTTTAATAGGGGCTGAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 298							
	(23761)	23761	23770	23780	23790	23800	23810	23820	23830 23840
SARS-CoV-2 Reference Genome NC_045512.2	(23525)	CATGTCAACAACATCATATGAGTGTGACATACCCATTGGTGCAGGTATATGCGCTAGTTATCAGACTCAGACTAATTCTCC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 299							
	(23841)	23841	23850	23860	23870	23880	23890	23900	23910 23920
SARS-CoV-2 Reference Genome NC_045512.2	(23605)	TCGGCGGGCAGTAGTGTAGCTAGTCAATCCATCATTGCCTACACTATGTCACTTGGTGCAGAAAATTTCAGTTGCTTACT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 300							
	(23921)	23921	23930	23940	23950	23960	23970	23980	23990 24000
SARS-CoV-2 Reference Genome NC_045512.2	(23685)	CTAATAACTCTATTGCCATACCCACAAATTTTACTATTAGTGTACCACAGAAATTCACCAGTGTCTATGACCAAGACA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 301							
	(24001)	24001	24010	24020	24030	24040	24050	24060	24070 24080
SARS-CoV-2 Reference Genome NC_045512.2	(23765)	TCAGTAGATTGTACAATGTACATTTGTGGTGATTCAACTGAATGCAGCAATCTTTTGTGCAATATGGCAGTTTTTGTAC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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Section 302									
(24081)	24081	24090	24100	24110	24120	24130	24140	24150	24160
SARS-CoV-2 Reference Genome NC_045512.2 (23845)	ACAATTAAACCGTGCTTTAACTGGAATAGCTGTTGAACAAGACAAAAACACCCAAGAAGTTTTTGCACAAGTCAAACAAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 303									
(24161)	24161	24170	24180	24190	24200	24210	24220	24230	24240
SARS-CoV-2 Reference Genome NC_045512.2 (23925)	TTTACAAAACACCACCAATTAAAGATTTTGGTGGTTTTAATTTTTCACAAATATTACCAGATCCATCAAAACCAAGCAAG								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 304									
(24241)	24241	24250	24260	24270	24280	24290	24300	24310	24320
SARS-CoV-2 Reference Genome NC_045512.2 (24005)	AGGTCATTTATTGAAGATCTACTTTTCAACAAAGTGACACTTGCAGATGCTGGCTTCATCAAAACAATATGGTGATTGCCT								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 305									
(24321)	24321	24330	24340	24350	24360	24370	24380	24390	24400
SARS-CoV-2 Reference Genome NC_045512.2 (24085)	TGGTGATATTGCTGCTAGAGACCTCATTTGTGCACAAAAGTTTAACGGCCTTACTGTTTTGCCACCTTTGCTCACAGATG								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 306									
(24401)	24401	24410	24420	24430	24440	24450	24460	24470	24480
SARS-CoV-2 Reference Genome NC_045512.2 (24165)	AAATGATTGCTCAATACACTTCTGCACTGTTAGCGGGTACAATCACTTCTGGTTGGACCTTTGGTGCAGGTGCTGCATTA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 307									
(24481)	24481	24490	24500	24510	24520	24530	24540	24550	24560
SARS-CoV-2 Reference Genome NC_045512.2 (24245)	CAAATACCATTGCTATGCAAAATGGCTTATAGGTTTAATGGTATTGGAGTTACACAGAATGTTCTCTATGAGAACCAAAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 308									
(24561)	24561	24570	24580	24590	24600	24610	24620	24630	24640
SARS-CoV-2 Reference Genome NC_045512.2 (24325)	ATTGATTGCCAACCAATTTAATAGTGCTATTGGCAAAATTCAAGACTCACTTCTTCCACAGCAAGTGCACTTGGAAAAC								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								

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Section 309										
	(24641)	24641	24650	24660	24670	24680	24690	24700	24710	24720
SARS-CoV-2 Reference Genome NC_045512.2	(24405)	TTCAAGATGTGGTCAACCAAAATGCACAAGCTTTAAACACGCTTGTTAAACAACCTTAGCTCCAATTTTGGTGCAATTTCA								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 310										
	(24721)	24721	24730	24740	24750	24760	24770	24780	24790	24800
SARS-CoV-2 Reference Genome NC_045512.2	(24485)	AGTGTTTTAAATGATATCCTTTACGCTCTTGACAAAGTTGAGGCTGAAGTGCAAATTGATAGGTTGATCACAGGCAGACT								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 311										
	(24801)	24801	24810	24820	24830	24840	24850	24860	24870	24880
SARS-CoV-2 Reference Genome NC_045512.2	(24565)	TCAAAGTTTGCAGACATATGTGACTCAACAATTAATTAGAGCTGCAGAAATCAGAGCTTCTGCTAATCTTGCTGCTACTA								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 312										
	(24881)	24881	24890	24900	24910	24920	24930	24940	24950	24960
SARS-CoV-2 Reference Genome NC_045512.2	(24645)	AAATGTCAGAGTGTGTACTTGGACAATCAAAAAGAGTTGATTTTTGTGGAAAGGGCTATCATCTTATGTCCTTCCCTCAG								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 313										
	(24961)	24961	24970	24980	24990	25000	25010	25020	25030	25040
SARS-CoV-2 Reference Genome NC_045512.2	(24725)	TCAGCACCTCATGGTGTAGTCTTCTTGCATGTGACTTATGTCCCTGCACAAGAAAAGAACTTCACAACCTGCTCCTGCCAT								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 314										
	(25041)	25041	25050	25060	25070	25080	25090	25100	25110	25120
SARS-CoV-2 Reference Genome NC_045512.2	(24805)	TTGTCATGATGGAAAAGCACACTTTCCTCGTGAAGGTGTCTTTGTTTCAAATGGCACACACTGGTTTGTAACACAAAGGA								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								
Section 315										
	(25121)	25121	25130	25140	25150	25160	25170	25180	25190	25200
SARS-CoV-2 Reference Genome NC_045512.2	(24885)	ATTTTTATGAACCACAAATCATTACTACAGACAACACATTTGTGTCTGGTAACTGTGATGTTGTAATAGGAATTGTCAAC								
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----								

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		Section 316							
	(25201)	25201	25210	25220	25230	25240	25250	25260	25270 25280
SARS-CoV-2 Reference Genome NC_045512.2	(24965)	AACACAGTTTATGATCCTTTGCAACCTGAATTAGACTCATTCAAGGAGGAGTTAGATAAAATATTTTAAGAATCATACATC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 317							
	(25281)	25281	25290	25300	25310	25320	25330	25340	25350 25360
SARS-CoV-2 Reference Genome NC_045512.2	(25045)	ACCAGATGTTGATTTAGGTGACATCTCTGGCATTAAATGCTTCAGTTGTAAACATTCAAAAAGAAATTGACCGCCTCAATG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 318							
	(25361)	25361	25370	25380	25390	25400	25410	25420	25430 25440
SARS-CoV-2 Reference Genome NC_045512.2	(25125)	AGGTTGCCAAGAATTTAAATGAATCTCTCATCGATCTCCAAGAACTTGGAAGTATGAGCAGTATATAAAATGGCCATGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 319							
	(25441)	25441	25450	25460	25470	25480	25490	25500	25510 25520
SARS-CoV-2 Reference Genome NC_045512.2	(25205)	TACATTTGGCTAGGTTTTATAGCTGGCTTGATTGCCATAGTAATGGTGACAATTATGCTTTGCTGTATGACCAGTTGCTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 320							
	(25521)	25521	25530	25540	25550	25560	25570	25580	25590 25600
SARS-CoV-2 Reference Genome NC_045512.2	(25285)	TAGTTGTCTCAAGGGCTGTTGTTCTTGTGGATCCTGCTGCAAATTTGATGAAGACGACTCTGAGCCAGTGCTCAAAGGAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 321							
	(25601)	25601	25610	25620	25630	25640	25650	25660	25670 25680
SARS-CoV-2 Reference Genome NC_045512.2	(25365)	TCAAATTACATTACACATAAACGAACCTTATGGATTTGTTTATGAGAATCTTCACAATTGGAACGTAACTTTGAAGCAAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 322							
	(25681)	25681	25690	25700	25710	25720	25730	25740	25750 25760
SARS-CoV-2 Reference Genome NC_045512.2	(25445)	GTGAAATCAAGGATGCTACTCCTTCAGATTTTGTTTCGCGCTACTGCAACGATACCGATACAAGCCTCACTCCCTTTTCGGA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 323							
	(25761)	25761	25770	25780	25790	25800	25810	25820	25830 25840
SARS-CoV-2 Reference Genome NC_045512.2	(25525)	TGGCTTATTGTTGGCGTTGCACTTCTTGCTGTTTTTCAGAGCGCTTCCAAAATCATAACCCTCAAAAAGAGATGGCAACT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 324							
	(25841)	25841	25850	25860	25870	25880	25890	25900	25910 25920
SARS-CoV-2 Reference Genome NC_045512.2	(25605)	AGCACTCTCCAAGGGTGTTCACCTTTGTTTGCAACTTGCTGTTGTTGTTGTAAACAGTTTACTCACACCTTTTGCTCGTTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 325							
	(25921)	25921	25930	25940	25950	25960	25970	25980	25990 26000
SARS-CoV-2 Reference Genome NC_045512.2	(25685)	CTGCTGGCCTTGAAGCCCCTTTTCTCTATCTTTATGCTTTAGTCTACTTCTTGCAGAGTATAAACTTTGTAAGAATAATA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 326							
	(26001)	26001	26010	26020	26030	26040	26050	26060	26070 26080
SARS-CoV-2 Reference Genome NC_045512.2	(25765)	ATGAGGCTTTGGCTTTGCTGGAAATGCCGTTCCAAAACCCATTACTTTATGATGCCAACTATTTCTTTGCTGGCATACT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 327							
	(26081)	26081	26090	26100	26110	26120	26130	26140	26150 26160
SARS-CoV-2 Reference Genome NC_045512.2	(25845)	TAATTGTTACGACTATTGTATACCTTACAATAGTGTAACCTTCTCAATTGTCATTACTTCAGGTGATGGCACAACAAGTC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 328							
	(26161)	26161	26170	26180	26190	26200	26210	26220	26230 26240
SARS-CoV-2 Reference Genome NC_045512.2	(25925)	CTATTTCTGAACATGACTACCAGATTGGTGGTTATACTGAAAAATGGGAATCTGGAGTAAAAGACTGTGTTGTATTACAC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 329							
	(26241)	26241	26250	26260	26270	26280	26290	26300	26310 26320
SARS-CoV-2 Reference Genome NC_045512.2	(26005)	AGTTACTTCACTTCAGACTATTACCAGCTGTACTCAACTCAATTGAGTACAGACACTGGTGTGAACATGTTACCTTCTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 330							
	(26321)	26321	26330	26340	26350	26360	26370	26380	26390 26400
SARS-CoV-2 Reference Genome NC_045512.2	(26085)	CATCTACAATAAAATTGTTGATGAGCCTGAAGAACATGTCCAAATTCACACAATCGACGGTTCATCCGGAGTTGTTAATC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 331							
	(26401)	26401	26410	26420	26430	26440	26450	26460	26470 26480
SARS-CoV-2 Reference Genome NC_045512.2	(26165)	CAGTAATGGAACCAATTTATGATGAACCGACGACGACTACTAGCGTGCCTTTGTAAGCACAAGCTGATGAGTACGAACCTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 332							
	(26481)	26481	26490	26500	26510	26520	26530	26540	26550 26560
SARS-CoV-2 Reference Genome NC_045512.2	(26245)	ATGTACTCATTTCGTTTCGGAAGAGACAGGTACGTTAATAGTTAATAGCGTACTTCTTTTTCTTGCTTTTCGTGGTATTCTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 333							
	(26561)	26561	26570	26580	26590	26600	26610	26620	26630 26640
SARS-CoV-2 Reference Genome NC_045512.2	(26325)	GCTAGTTTACACTAGCCATCCTTACTGCGCTTCGATTGTGTGCGTACTGCTGCAATATTGTTAACGTGAGTCTTGTAAGAAC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 334							
	(26641)	26641	26650	26660	26670	26680	26690	26700	26710 26720
SARS-CoV-2 Reference Genome NC_045512.2	(26405)	CTTCTTTTTTACGTTTACTCTCGTGTTAAAAATCTGAATTCTTCTAGAGTTCCTGATCTTCTGGTCTAAACGAACATAAATA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 335							
	(26721)	26721	26730	26740	26750	26760	26770	26780	26790 26800
SARS-CoV-2 Reference Genome NC_045512.2	(26485)	TTATATTAGTTTTTCTGTTTGGAACCTTAATTTTAGCCATGGCAGATTCCAACGGTACTATTACCGTTGAAGAGCTTAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 336							
	(26801)	26801	26810	26820	26830	26840	26850	26860	26870 26880
SARS-CoV-2 Reference Genome NC_045512.2	(26565)	AAGCTCCTTGAACAATGGAACCTAGTAATAGGTTTCCTATTCTTACATGGATTTGTCTTCTACAATTTGCCTATGCCAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 337							
	(26881)	26881	26890	26900	26910	26920	26930	26940	26950 26960
SARS-CoV-2 Reference Genome NC_045512.2	(26645)	CAGGAATAGGTTTTTGTATATAATTAAGTTAATTTTCTCTGGCTGTTATGGCCAGTAACTTTAGCTTGTTTTGTGCTTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 338							
	(26961)	26961	26970	26980	26990	27000	27010	27020	27030 27040
SARS-CoV-2 Reference Genome NC_045512.2	(26725)	CTGCTGTTTACAGAATAAATTGGATCACCGGTGGAATTGCTATCGCAATGGCTTGCTTGTAGGCTTGATGTGGCTCAGC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 339							
	(27041)	27041	27050	27060	27070	27080	27090	27100	27110 27120
SARS-CoV-2 Reference Genome NC_045512.2	(26805)	TACTTCATTGCTTCTTTTCTGAGACTGTTTTCGCGGTACGCGTTCCATGTGGTCATTCAATCCAGAACTAACATTCTTCTCAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 340							
	(27121)	27121	27130	27140	27150	27160	27170	27180	27190 27200
SARS-CoV-2 Reference Genome NC_045512.2	(26885)	CGTGCCACTCCATGGCACTATTCTGACCAGACCGCTTCTAGAAAGTGAACCTCGTAATCGGAGCTGTGATCCTTCGTGGAC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 341							
	(27201)	27201	27210	27220	27230	27240	27250	27260	27270 27280
SARS-CoV-2 Reference Genome NC_045512.2	(26965)	ATCTTCGTATTGCTGGACACCATCTAGGACGCTGTGACATCAAGGACCTGCCTAAAGAAATCACTGTTGCTACATCACGA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 342							
	(27281)	27281	27290	27300	27310	27320	27330	27340	27350 27360
SARS-CoV-2 Reference Genome NC_045512.2	(27045)	ACGCTTTCTTATTACAAATTGGGAGCTTCGCAGCGTGTAGCAGGTGACTCAGGTTTGTGTCATACAGTCGCTACAGGAT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 343							
	(27361)	27361	27370	27380	27390	27400	27410	27420	27430 27440
SARS-CoV-2 Reference Genome NC_045512.2	(27125)	TGGCAACTATAAATTAAACACAGACCATTCCAGTAGCAGTGACAATATTGCTTTGCTTGTACAGTAAGTGACAACAGATG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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Section 344									
(27441)	27441	27450	27460	27470	27480	27490	27500	27510	27520
SARS-CoV-2 Reference Genome NC_045512.2 (27205)	TTTCATCTCGTTGACTTTCAGGTTACTATAGCAGAGATATTACTAATTATTATGAGGACTTTTAAAGTTTCCATTGGAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 345									
(27521)	27521	27530	27540	27550	27560	27570	27580	27590	27600
SARS-CoV-2 Reference Genome NC_045512.2 (27285)	TCTTGATTACATCATAAACCTCATAATTAAAAATTTATCTAAGTCACTAACTGAGAATAAATATTCTCAATTAGATGAAG								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 346									
(27601)	27601	27610	27620	27630	27640	27650	27660	27670	27680
SARS-CoV-2 Reference Genome NC_045512.2 (27365)	AGCAACCAATGGAGATTGATTAAACGAACATGAAAATTATTCTTTTCTTGGCACTGATAACACTCGCTACTTGTGAGCTT								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 347									
(27681)	27681	27690	27700	27710	27720	27730	27740	27750	27760
SARS-CoV-2 Reference Genome NC_045512.2 (27445)	TATCACTACCAAGAGTGTGTTAGAGGTACAACAGTACTTTTAAAGAACCTTGCTCTTCTGGAACATACGAGGGCAATTC								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 348									
(27761)	27761	27770	27780	27790	27800	27810	27820	27830	27840
SARS-CoV-2 Reference Genome NC_045512.2 (27525)	ACCATTTTCATCCTCTAGCTGATAACAAATTTGCACCTGACTTGCTTTAGCACTCAATTTGCTTTTGCTTGTCTGACGGCG								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 349									
(27841)	27841	27850	27860	27870	27880	27890	27900	27910	27920
SARS-CoV-2 Reference Genome NC_045512.2 (27605)	TAAAACACGTCTATCAGTTACGTGCCAGATCAGTTTCACCTAAACTGTTTCATCAGACAAGAGGAAGTTCAAGAACTTTAC								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 350									
(27921)	27921	27930	27940	27950	27960	27970	27980	27990	28000
SARS-CoV-2 Reference Genome NC_045512.2 (27685)	TCTCCAATTTTCTTATTGTTGCGGCAATAGTGTTTATAACACTTTGCTTCACACTCAAAAGAAAGACAGAATGATTGAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								

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		Section 351							
	(28001)	28001	28010	28020	28030	28040	28050	28060	28070 28080
SARS-CoV-2 Reference Genome NC_045512.2	(27765)	CTTTCATTAATTGACTTCTATTTGTGCTTTTGTAGCCTTTCTGCTATTCTTGTGTTTAAATTATGCTTATTATCTTTTGGTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 352							
	(28081)	28081	28090	28100	28110	28120	28130	28140	28150 28160
SARS-CoV-2 Reference Genome NC_045512.2	(27845)	CTCACTTGAAGTCAAGATCATAATGAACTTGTACGCCTAAACGAACATGAAATTTCTTGTCTTTCTTAGGAATCATCA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 353							
	(28161)	28161	28170	28180	28190	28200	28210	28220	28230 28240
SARS-CoV-2 Reference Genome NC_045512.2	(27925)	CAACTGTAGCTGCATTTACCAAGAATGTAGTTTACAGTCATGTACTCAACATCAACCATATGTAGTTGATGACCCGTGT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 354							
	(28241)	28241	28250	28260	28270	28280	28290	28300	28310 28320
SARS-CoV-2 Reference Genome NC_045512.2	(28005)	CCTATTCACTTCTATTCTAAATGGTATATTAGAGTAGGAGCTAGAAAAATCAGCACCTTTAATTGAATTGTGCGTGGATGA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 355							
	(28321)	28321	28330	28340	28350	28360	28370	28380	28390 28400
SARS-CoV-2 Reference Genome NC_045512.2	(28085)	GGCTGGTTCTAAATCACCCATTCAGTACATCGATATCGGTAATTATACAGTTTCCTGTTTACCTTTTACAATTAATTGCC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 356							
	(28401)	28401	28410	28420	28430	28440	28450	28460	28470 28480
SARS-CoV-2 Reference Genome NC_045512.2	(28165)	AGGAACCTAAATTGGGTAGTCTTGTAGTGCGTTGTTCTGTTCTATGAAGACTTTTGTAGAGTATCATGACGTTTCGTGTTGTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 357							
	(28481)	28481	28490	28500	28510	28520	28530	28540	28550 28560
SARS-CoV-2 Reference Genome NC_045512.2	(28245)	TTAGATTTTCATCTAAACGAACAACTAAAATGTCTGATAATGGACCCCAAAATCAGCGAAATGCACCCCGCATTACGTTT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 358							
	(28561)	28561	28570	28580	28590	28600	28610	28620	28630 28640
SARS-CoV-2 Reference Genome NC_045512.2	(28325)	GGTGGACCCTCAGATTCAACTGGCAGTAACCAGAATGGAGAACGCAGTGGGGCGCGATCAAAACAACGTCGGCCCCAAGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 359							
	(28641)	28641	28650	28660	28670	28680	28690	28700	28710 28720
SARS-CoV-2 Reference Genome NC_045512.2	(28405)	TTTACCCAATAATACTGCGTCTTGTTTCACCGCTCTCACTCAACATGGCAAGGAAGACCTTAAATTCCCTCGAGGACAAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 360							
	(28721)	28721	28730	28740	28750	28760	28770	28780	28790 28800
SARS-CoV-2 Reference Genome NC_045512.2	(28485)	GCGTTCCAATTAACACCAATAGCAGTCCAGATGACCAAATTGGCTACTACCGAAGAGCTACCAGACGAATTCGTGGTGGT							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 361							
	(28801)	28801	28810	28820	28830	28840	28850	28860	28870 28880
SARS-CoV-2 Reference Genome NC_045512.2	(28565)	GACGGTAAATGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCTAGGAAGCTGGGCCAGAAGCTGGACTTCCCTATGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 362							
	(28881)	28881	28890	28900	28910	28920	28930	28940	28950 28960
SARS-CoV-2 Reference Genome NC_045512.2	(28645)	TGCTAACAAAGACGGCATCATATGGGTTGCAACTGAGGGAGCCTTGAATACACCAAAAGATCACATTGGCACCCGCAATC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 363							
	(28961)	28961	28970	28980	28990	29000	29010	29020	29030 29040
SARS-CoV-2 Reference Genome NC_045512.2	(28725)	CTGCTAACAATGCTGCAATCGTGCTACAACCTTCTCAAGGAACAACATTGCCAAAAGGCTTCTACGCAGAAGGGAGCAGA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 364							
	(29041)	29041	29050	29060	29070	29080	29090	29100	29110 29120
SARS-CoV-2 Reference Genome NC_045512.2	(28805)	GGCGGCAGTCAAGCCTCTTCTCGTTTCCTCATCACGTAGTCGCAACAGTTCAAGAAATTCAACTCCAGGCAGCAGTAGGGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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		Section 365							
	(29121)	29121	29130	29140	29150	29160	29170	29180	29190 29200
SARS-CoV-2 Reference Genome NC_045512.2	(28885)	AACTTCTCCTGCTAGAATGGCTGGCAATGGCGGTGATGCTGCTCTTGCTTTGCTGCTGCTTGACAGATTGAACCAGCTTG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 366							
	(29201)	29201	29210	29220	29230	29240	29250	29260	29270 29280
SARS-CoV-2 Reference Genome NC_045512.2	(28965)	AGAGCAAAATGTCTGGTAAAGGCCAACAACAACAAGGCCAAACTGTCACCTAAGAAATCTGCTGCTGAGGCTTCTAAGAAG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 367							
	(29281)	29281	29290	29300	29310	29320	29330	29340	29350 29360
SARS-CoV-2 Reference Genome NC_045512.2	(29045)	CCTCGGCCAAAAACGTACTGCCACTAAAGCATACAAATGTAACACAAAGCTTTCGGCAGACGTGGTCCAGAACAAACCCCAAGG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 368							
	(29361)	29361	29370	29380	29390	29400	29410	29420	29430 29440
SARS-CoV-2 Reference Genome NC_045512.2	(29175)	AAATTTTGGGGACCAGGAACCTAATCAGACAAGGAACCTGATTACAAACATTGGCCGCAAATTGCACAATTTGCCCCAGCG							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 369							
	(29441)	29441	29450	29460	29470	29480	29490	29500	29510 29520
SARS-CoV-2 Reference Genome NC_045512.2	(29205)	CTTCAGCGTTCTTCGGAATGTCGCGCATTGGCATGGAAGTCACACCTTCGGGAACGTGGTTGACCTACACAGGTGCCATC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 370							
	(29521)	29521	29530	29540	29550	29560	29570	29580	29590 29600
SARS-CoV-2 Reference Genome NC_045512.2	(29285)	AAATTGGATGACAAAGATCCAAATTTCAAAGATCAAGTCATTTTGCTGAATAAGCATATTGACGCATACAAAACATTCCC							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							
		Section 371							
	(29601)	29601	29610	29620	29630	29640	29650	29660	29670 29680
SARS-CoV-2 Reference Genome NC_045512.2	(29365)	ACCAACAGAGCCTAAAAAGGACAAAAAGAAGAAGGCTGATGAACTCAAGCCTTACCGCAGAGACAGAAGAAACAGCAAA							
Sulfolobus turreted icosahedral virus NC_005892	(17664)	-----							

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Section 372									
(29681)	29681	29690	29700	29710	29720	29730	29740	29750	29760
SARS-CoV-2 Reference Genome NC_045512.2 (29445)	CTGTGACTCTTCTTCCTGCTGCAGATTTGGATGATTTCTCCAAACAATTGCAACAATCCATGAGCAGTGCTGACTCAACT								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 373									
(29761)	29761	29770	29780	29790	29800	29810	29820	29830	29840
SARS-CoV-2 Reference Genome NC_045512.2 (29525)	CAGGCCTAAACTCATGCAGACCACACAAGGCAGATGGGCTATATAAACGTTTTTCGCTTTTCCGTTTACGATATATAGTCT								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 374									
(29841)	29841	29850	29860	29870	29880	29890	29900	29910	29920
SARS-CoV-2 Reference Genome NC_045512.2 (29605)	ACTCTTGTGCAGAATGAATTCTCGTAACTACATAGCACAAAGTAGATGTAGTTAACTTTAATCTCACATAGCAATCTTTAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 375									
(29921)	29921	29930	29940	29950	29960	29970	29980	29990	30000
SARS-CoV-2 Reference Genome NC_045512.2 (29685)	TCAGTGTGTAACATTAGGGAGGACTTGAAAGAGCCACCACATTTTCACCGAGGCCACGCGGAGTACGATCGAGTGTACAG								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 376									
(30001)	30001	30010	30020	30030	30040	30050	30060	30070	30080
SARS-CoV-2 Reference Genome NC_045512.2 (29765)	TGAACAATGCTAGGGAGAGCTGCCTATATGGAAGAGCCCTAATGTGTAAAATTAATTTTAGTAGTGCTATCCCCATGTGA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								
Section 377									
(30081)	30081	30090	30100	30110	30120	30139			
SARS-CoV-2 Reference Genome NC_045512.2 (29845)	TTTTAATAGCTTCTTAGGAGAATGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA								
Sulfolobus turreted icosahedral virus NC_005892 (17664)	-----								