

Reference sequence (1): AP006557.1_SARS_coronavirus_TWH_genomic_RNA_complete_genome
Identities normalised by aligned length.
Colored by: identity

Table with columns: ID, Name, cov, pid, alignment score, and sequence. Contains 114 rows of sequence alignment data for various SARS-CoV-2 genomes.

Table with columns: ID, Name, cov, pid, alignment score, and sequence. Contains 114 rows of sequence alignment data for various SARS-CoV-2 genomes, continuing from the previous table.

Accession	Sequence ID	Source	Length	Cov	Pid	Score	Sequence
111	CQ918584.1	Sequence_1_from_Patent_WO2004096842	95,000	95.0%	95.0%	95.0%	GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
112	CQ918585.1	Sequence_2_from_Patent_WO2004096842	95,000	95.0%	95.0%	95.0%	GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
113	CQ918598.1	Sequence_15_from_Patent_WO2004096842	100,000	100.0%	100.0%	100.0%	GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
114	NC_004718.3	SARS_coronavirus_complete_genome	100,000	100.0%	100.0%	100.0%	GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
		consensus/100%					.....GACCGAAGGTAAAGT.....
		consensus/90%					GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
		consensus/80%					GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
		consensus/70%					GTGTTCAGTGCATCATCAGCATACTAGGTTTCTGTCGGGTTGACCGAAGGTAAAGTGGAGAGCCTGTGTTCTTGGT
				cov	pid	321	
1	AP006557.1	SARS_coronavirus_TWH_genomic_RNA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
2	AP006558.1	SARS_coronavirus_TWJ_genomic_RNA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
3	AP006559.1	SARS_coronavirus_TWK_genomic_RNA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
4	AP006560.1	SARS_coronavirus_TWS_genomic_RNA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
5	AP006561.1	SARS_coronavirus_TWY_genomic_RNA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
6	AY274119.3	Severe_acute_respiratory_syndrome-related_coronavirus_isolate_Tor2_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
7	AY278487.3	SARS_coronavirus_BJ02_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
8	AY278488.2	SARS_coronavirus_BJ01_complete_genome	93.7%	93.7%	93.7%	93.7%	TCAACGAGAAAAACA-----
9	AY278489.2	SARS_coronavirus_BJ03_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
10	AY278490.3	SARS_coronavirus_BJ03_complete_genome	98.7%	98.7%	98.7%	98.7%	TCAACGAGAAAAACA-----
11	AY278491.2	SARS_coronavirus_HKU-39849_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
12	AY278554.2	SARS_coronavirus_CUHK-WI_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
13	AY278741.1	SARS_coronavirus_Urbani_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
14	AY279354.2	SARS_coronavirus_BJ04_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
15	AY282752.2	SARS_coronavirus_CUHK-Su10_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
16	AY283794.1	SARS_coronavirus_Sin2500_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
17	AY283795.1	SARS_coronavirus_Sin2677_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
18	AY283796.1	SARS_coronavirus_Sin2679_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
19	AY283797.1	SARS_coronavirus_Sin2748_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
20	AY283798.2	SARS_coronavirus_Sin2774_complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
21	AY291315.1	SARS_coronavirus_Frankfurt_1_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
22	AY291451.1	SARS_coronavirus_TW1_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
23	AY297028.1	SARS_coronavirus_ZJ01_complete_genome	95.3%	95.3%	95.3%	95.3%	TCAACGAGAAAAACA-----
24	AY304486.1	SARS_coronavirus_S23_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
25	AY304488.1	SARS_coronavirus_S216_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
26	AY304495.1	SARS_coronavirus_G250_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
27	AY310120.1	SARS_coronavirus_FRA_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
28	AY313906.1	SARS_coronavirus_GD69_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
29	AY321118.1	SARS_coronavirus_TW_C_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
30	AY323977.2	SARS_coronavirus_HSR_1_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
31	AY338174.1	SARS_coronavirus_Taiwan_TC1_complete_genome	77.0%	77.0%	77.0%	77.0%	TCAACGAGAAAAACA-----
32	AY338175.1	SARS_coronavirus_Taiwan_TC2_complete_genome	77.0%	77.0%	77.0%	77.0%	TCAACGAGAAAAACA-----
33	AY345986.1	SARS_coronavirus_CUHK-AG01_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
34	AY345987.1	SARS_coronavirus_CUHK-AG02_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
35	AY345988.1	SARS_coronavirus_CUHK-AG03_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
36	AY348314.1	SARS_coronavirus_Taiwan_TC3_complete_genome	77.0%	77.0%	77.0%	77.0%	TCAACGAGAAAAACA-----
37	AY350750.1	SARS_coronavirus_PUM01_complete_genome	95.7%	95.7%	95.7%	95.7%	TCAACGAGAAAAACA-----
38	AY351680.1	SARS_coronavirus_ZW1_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
39	AY357075.1	SARS_coronavirus_PUM02_complete_genome	95.3%	95.3%	95.3%	95.3%	TCAACGAGAAAAACA-----
40	AY357076.1	SARS_coronavirus_PUM03_complete_genome	95.3%	95.3%	95.3%	95.3%	TCAACGAGAAAAACA-----
41	AY362698.1	SARS_coronavirus_TW_C2_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
42	AY362699.1	SARS_coronavirus_TW_C3_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
43	AY390556.1	SARS_coronavirus_G202_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
44	AY394850.1	SARS_coronavirus_WH1_complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
45	AY394977.1	SARS_coronavirus_G2-A_partial_genome	83.0%	83.0%	83.0%	83.0%	TCAACGAGAAAAACA-----
46	AY394978.1	SARS_coronavirus_G2-B_partial_genome	76.0%	76.0%	76.0%	76.0%	TCAACGAGAAAAACA-----
47	AY394979.1	SARS_coronavirus_G2-C_complete_genome	82.7%	82.7%	82.7%	82.7%	TCAACGAGAAAAACA-----
48	AY394980.1	SARS_coronavirus_G2-D_partial_genome	84.7%	84.7%	84.7%	84.7%	TCAACGAGAAAAACA-----
49	AY394981.1	SARS_coronavirus_H22-A_partial_genome	84.7%	84.7%	84.7%	84.7%	TCAACGAGAAAAACA-----
50	AY394982.1	SARS_coronavirus_H22B1-B_partial_genome	82.7%	82.7%	82.7%	82.7%	TCAACGAGAAAAACA-----
51	AY394983.1	SARS_coronavirus_H22-A_complete_genome	82.7%	82.7%	82.7%	82.7%	TCAACGAGAAAAACA-----
52	AY394984.1	SARS_coronavirus_H22-A_partial_genome	84.3%	84.3%	84.3%	84.3%	TCAACGAGAAAAACA-----
53	AY394985.1	SARS_coronavirus_H22-BB_complete_genome	16.7%	16.7%	16.7%	16.7%	TCAACGAGAAAAACA-----
54	AY394986.1	SARS_coronavirus_H22-CB_complete_genome	83.0%	83.0%	83.0%	83.0%	TCAACGAGAAAAACA-----
55	AY394987.1	SARS_coronavirus_H22-FB_complete_genome	86.0%	86.0%	86.0%	86.0%	TCAACGAGAAAAACA-----
56	AY394988.1	SARS_coronavirus_JMD_partial_genome	71.3%	71.0%	71.0%	71.0%	TCAACGAGAAAAACA-----
57	AY394989.1	SARS_coronavirus_H22-D_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
58	AY394990.1	SARS_coronavirus_H22-E_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
59	AY394991.1	SARS_coronavirus_H22-Fc_complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
60	AY394992.1	SARS_coronavirus_H22-C-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
61	AY394993.1	SARS_coronavirus_H22B12-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
62	AY394994.1	SARS_coronavirus_H22-Bc-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
63	AY394995.1	SARS_coronavirus_H22-Cc-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
64	AY394996.1	SARS_coronavirus_ZS-B-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
65	AY394997.1	SARS_coronavirus_ZS-A-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
66	AY394998.1	SARS_coronavirus_LC1-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
67	AY394999.1	SARS_coronavirus_LC2-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
68	AY395000.1	SARS_coronavirus_LC3-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
69	AY395001.1	SARS_coronavirus_LC4-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
70	AY395002.1	SARS_coronavirus_LC5-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
71	AY395003.1	SARS_coronavirus_ZS-C-complete_genome	83.0%	83.0%	83.0%	83.0%	TCAACGAGAAAAACA-----
72	AY395004.1	SARS_coronavirus_H22-BB_partial_genome	84.3%	84.3%	84.3%	84.3%	TCAACGAGAAAAACA-----
73	AY427439.1	SARS_coronavirus_AS-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
74	AY461660.1	SARS_coronavirus_SoD-complete_genome	95.0%	95.0%	95.0%	95.0%	TCAACGAGAAAAACA-----
75	AY463059.1	SARS_coronavirus_ShanghaiQXC1-complete_genome	73.7%	73.7%	73.7%	73.7%	TCAACGAGAAAAACA-----
76	AY463060.1	SARS_coronavirus_ShanghaiQXC2-complete_genome	73.7%	73.7%	73.7%	73.7%	TCAACGAGAAAAACA-----
77	AY485277.1	SARS_coronavirus_Sin11-01-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
78	AY485278.1	SARS_coronavirus_Sin03-11-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
79	AY502923.1	SARS_coronavirus_TW10-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
80	AY502924.1	SARS_coronavirus_TW11-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
81	AY502925.1	SARS_coronavirus_TW2-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
82	AY502926.1	SARS_coronavirus_TW3-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
83	AY502927.1	SARS_coronavirus_TW4-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
84	AY502928.1	SARS_coronavirus_TW5-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
85	AY502929.1	SARS_coronavirus_TW6-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
86	AY502930.1	SARS_coronavirus_TW7-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
87	AY502931.1	SARS_coronavirus_TW8-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
88	AY502932.1	SARS_coronavirus_TW9-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
89	AY508704.1	SARS_coronavirus_SNS1-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
90	AY559081.1	SARS_coronavirus_Sin842-complete_genome	95.7%	95.3%	95.3%	95.3%	TCAACGAGAAAAACA-----
91	AY559082.1	SARS_coronavirus_Sin852-complete_genome	99.7%	96.3%	96.3%	96.3%	TCAACGAGAAAAACA-----
92	AY559083.1	SARS_coronavirus_Sin3408-complete_genome	88.7%	85.3%	85.3%	85.3%	TCAACGAGAAAAACA-----
93	AY559084.1	SARS_coronavirus_Sin765V-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
94	AY559085.1	SARS_coronavirus_Sin848-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
95	AY559086.1	SARS_coronavirus_Sin849-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
96	AY559087.1	SARS_coronavirus_Sin3725V-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
97	AY559088.1	SARS_coronavirus_SinP1-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
98	AY559089.1	SARS_coronavirus_SinP2-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
99	AY559090.1	SARS_coronavirus_SinP3-complete_genome	95.3%	92.7%	92.7%	92.7%	TCAACGAGAAAAACA-----
100	AY559091.1	SARS_coronavirus_SinP4-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
101	AY559092.1	SARS_coronavirus_SinP5-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
102	AY559093.1	SARS_coronavirus_Sin845-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
103	AY559094.1	SARS_coronavirus_Sin846-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
104	AY559095.1	SARS_coronavirus_Sin847-complete_genome	96.7%	96.0%	96.0%	96.0%	TCAACGAGAAAAACA-----
105	AY559096.1	SARS_coronavirus_Sin850-complete_genome	97.3%	95.7%	95.7%	95.7%	TCAACGAGAAAAACA-----
106	AY559097.1	SARS_coronavirus_Sin3408L-complete_genome	94.7%	94.7%	94.7%	94.7%	TCAACGAGAAAAACA-----
107	AY595412.1	SARS_coronavirus_LLJ-2004-complete_genome	93.0%	93.0%	93.0%	93.0%	TCAACGAGAAAAACA-----
108	AY654624.1	SARS_coronavirus_TJF-complete_genome	99.7%	99.0%	99.0%	99.0%	TCAACGAGAAAAACA-----
109	AY714217.1	SARS_coronavirus_CPC120301157-complete_genome	100,000	100.0%	100.0%	100.0%	TCAACGAGAAAAACA-----
110	CQ903009.1	Sequence_13_from_Patent_WO2004094667	100,000	99.7%	99.7%	99.7%	TCAACGAGAAAAACA-----
111	CQ918584.1	Sequence					

69	AY395001.1_SARS_coronavirus_LC4_complete_genome	95.0%	95.0%	-----
70	AY395002.1_SARS_coronavirus_LC5_complete_genome	95.0%	95.0%	-----
71	AY395003.1_SARS_coronavirus_ZS-C_complete_genome	83.0%	83.0%	-----
72	AY395004.1_SARS_coronavirus_HSZ2-Bb_partial_genome	84.3%	84.3%	-----
73	AY427439.1_SARS_coronavirus_AS_complete_genome	94.7%	94.7%	-----
74	AY461660.1_SARS_coronavirus_SoD_complete_genome	95.0%	94.7%	-----
75	AY463059.1_SARS_coronavirus_ShanghaiQXC1_complete_genome	73.7%	73.7%	-----
76	AY463060.1_SARS_coronavirus_ShanghaiQXC2_complete_genome	73.7%	73.7%	-----
77	AY485277.1_SARS_coronavirus_Sin01-11_complete_genome	100.0%	100.0%	-----
78	AY485278.1_SARS_coronavirus_Sin03-11_complete_genome	100.0%	100.0%	-----
79	AY502923.1_SARS_coronavirus_TW10_complete_genome	100.0%	100.0%	-----
80	AY502924.1_SARS_coronavirus_TW11_complete_genome	100.0%	100.0%	-----
81	AY502925.1_SARS_coronavirus_TW2_complete_genome	100.0%	100.0%	-----
82	AY502926.1_SARS_coronavirus_TW3_complete_genome	100.0%	100.0%	-----
83	AY502927.1_SARS_coronavirus_TW4_complete_genome	100.0%	100.0%	-----
84	AY502928.1_SARS_coronavirus_TW5_complete_genome	100.0%	100.0%	-----
85	AY502929.1_SARS_coronavirus_TW6_complete_genome	100.0%	100.0%	-----
86	AY502930.1_SARS_coronavirus_TW7_complete_genome	100.0%	100.0%	-----
87	AY502931.1_SARS_coronavirus_TW8_complete_genome	100.0%	100.0%	-----
88	AY502932.1_SARS_coronavirus_TW9_complete_genome	100.0%	100.0%	-----
89	AY508724.1_SARS_coronavirus_NS-1_complete_genome	94.7%	94.7%	-----
90	AY559081.1_SARS_coronavirus_Sin842_complete_genome	95.7%	95.3%	-----
91	AY559082.1_SARS_coronavirus_Sin852_complete_genome	99.7%	96.3%	-----
92	AY559083.1_SARS_coronavirus_Sin408_complete_genome	88.7%	85.3%	-----
93	AY559084.1_SARS_coronavirus_Sin3765V_complete_genome	94.7%	94.7%	-----
94	AY559085.1_SARS_coronavirus_Sin848_complete_genome	94.7%	94.7%	-----
95	AY559086.1_SARS_coronavirus_Sin849_complete_genome	94.7%	94.7%	-----
96	AY559087.1_SARS_coronavirus_Sin3725V_complete_genome	94.7%	94.7%	-----
97	AY559088.1_SARS_coronavirus_SinP1_complete_genome	94.7%	94.7%	-----
98	AY559089.1_SARS_coronavirus_SinP2_complete_genome	94.7%	94.7%	-----
99	AY559090.1_SARS_coronavirus_SinP3_complete_genome	95.3%	92.7%	-----
100	AY559091.1_SARS_coronavirus_SinP4_complete_genome	94.7%	94.7%	-----
101	AY559092.1_SARS_coronavirus_SinP5_complete_genome	94.7%	94.7%	-----
102	AY559093.1_SARS_coronavirus_Sin845_complete_genome	94.7%	94.7%	-----
103	AY559094.1_SARS_coronavirus_Sin846_complete_genome	94.7%	94.7%	-----
104	AY559095.1_SARS_coronavirus_Sin847_complete_genome	96.7%	96.0%	-----
105	AY559096.1_SARS_coronavirus_Sin850_complete_genome	97.3%	95.7%	-----
106	AY559097.1_SARS_coronavirus_Sin3408L_complete_genome	94.7%	94.7%	-----
107	AY594412.1_SARS_coronavirus_LiJ-2004_complete_genome	93.0%	93.0%	-----
108	AY654624.1_SARS_coronavirus_TJF_complete_genome	99.7%	99.0%	-----
109	AY714217.1_SARS_Coronavirus_CDC_200301157_complete_genome	100.0%	100.0%	-----
110	CQ903009.1_Sequence_13_from_Patent_WO2004094667	100.0%	99.7%	-----
111	CQ918584.1_Sequence_1_from_Patent_WO2004096842	95.0%	95.0%	-----
112	CQ918595.1_Sequence_2_from_Patent_WO2004096842	95.0%	95.0%	-----
113	CQ918598.1_Sequence_15_from_Patent_WO2004096842	100.0%	100.0%	-----
114	NC_004718.3_SARS_coronavirus_complete_genome	100.0%	100.0%	-----
	consensus/100%			-----
	consensus/90%			-----
	consensus/80%			-----
	consensus/70%			-----

		cov	pid	561				584
1	AP006557.1_SARS_coronavirus_TWH_genomic_RNA_complete_genome	100.0%	100.0%	-----				-----
2	AP006558.1_SARS_coronavirus_TWJ_genomic_RNA_complete_genome	100.0%	100.0%	-----				-----
3	AP006559.1_SARS_coronavirus_TWK_genomic_RNA_complete_genome	100.0%	100.0%	-----				-----
4	AP006560.1_SARS_coronavirus_TWS_genomic_RNA_complete_genome	100.0%	100.0%	-----				-----
5	AP006561.1_SARS_coronavirus_TWY_genomic_RNA_complete_genome	100.0%	100.0%	-----				-----
6	AY274119.3_Severe_acute_respiratory_syndrome-related_coronavirus_isolate_Tor2_complete_genome	100.0%	100.0%	-----				-----
7	AY278487.1_SARS_coronavirus_B01_complete_genome	100.0%	100.0%	-----				-----
8	AY278488.2_SARS_coronavirus_B01_complete_genome	93.7%	93.7%	-----				-----
9	AY278489.2_SARS_coronavirus_GD01_complete_genome	94.7%	94.7%	-----				-----
10	AY278490.3_SARS_coronavirus_B03_complete_genome	98.7%	98.7%	-----				-----
11	AY278491.2_SARS_coronavirus_HKU-39849_complete_genome	100.0%	100.0%	-----				-----
12	AY278544.1_SARS_coronavirus_CUH-K1_complete_genome	95.0%	95.0%	-----				-----
13	AY278741.1_SARS_coronavirus_Urbani_complete_genome	100.0%	100.0%	-----				-----
14	AY279354.2_SARS_coronavirus_B04_complete_genome	94.7%	94.7%	-----				-----
15	AY282752.2_SARS_coronavirus_CUH-K-Su10_complete_genome	95.0%	95.0%	-----				-----
16	AY283794.1_SARS_coronavirus_Sin2500_complete_genome	94.7%	94.7%	-----				-----
17	AY283795.1_SARS_coronavirus_Sin2677_complete_genome	94.7%	94.7%	-----				-----
18	AY283796.1_SARS_coronavirus_Sin2679_complete_genome	94.7%	94.7%	-----				-----
19	AY283797.1_SARS_coronavirus_Sin2748_complete_genome	94.7%	94.7%	-----				-----
20	AY283798.2_SARS_coronavirus_Sin2774_complete_genome	94.7%	94.7%	-----				-----
21	AY291315.1_SARS_coronavirus_Frankfurt_1_complete_genome	100.0%	100.0%	-----				-----
22	AY291451.1_SARS_coronavirus_TW1_complete_genome	100.0%	100.0%	-----				-----
23	AY297028.1_SARS_coronavirus_Z01_complete_genome	95.3%	95.3%	-----				-----
24	AY304486.1_SARS_coronavirus_S23_complete_genome	95.0%	95.0%	-----				-----
25	AY304488.1_SARS_coronavirus_S216_complete_genome	95.0%	95.0%	-----				-----
26	AY304495.1_SARS_coronavirus_G250_complete_genome	95.0%	95.0%	-----				-----
27	AY310100.1_SARS_coronavirus_FNA_complete_genome	100.0%	100.0%	-----				-----
28	AY313906.1_SARS_coronavirus_GD69_complete_genome	100.0%	100.0%	-----				-----
29	AY321118.1_SARS_coronavirus_TWC_complete_genome	100.0%	100.0%	-----				-----
30	AY323977.2_SARS_coronavirus_HSR_1_complete_genome	100.0%	100.0%	-----				-----
31	AY338174.1_SARS_coronavirus_Taiwan_TC1_complete_genome	77.0%	77.0%	-----				-----
32	AY338175.1_SARS_coronavirus_Taiwan_TC2_complete_genome	77.0%	77.0%	-----				-----
33	AY345986.1_SARS_coronavirus_CUH-K-AG01_complete_genome	95.0%	95.0%	-----				-----
34	AY345987.1_SARS_coronavirus_CUH-K-AG02_complete_genome	95.0%	95.0%	-----				-----
35	AY345988.1_SARS_coronavirus_CUH-K-AG03_complete_genome	95.0%	95.0%	-----				-----
36	AY348314.1_SARS_coronavirus_Taiwan_TC3_complete_genome	77.0%	77.0%	-----				-----
37	AY350750.1_SARS_coronavirus_PUMC01_complete_genome	95.7%	95.7%	-----				-----
38	AY351680.1_SARS_coronavirus_ZMY_1_complete_genome	100.0%	99.7%	-----				-----
39	AY357075.1_SARS_coronavirus_PUMC02_complete_genome	95.3%	95.3%	-----				-----
40	AY357076.1_SARS_coronavirus_PUMC03_complete_genome	95.3%	95.3%	-----				-----
41	AY362698.1_SARS_coronavirus_TW2_complete_genome	100.0%	100.0%	-----				-----
42	AY362699.1_SARS_coronavirus_TW3_complete_genome	100.0%	100.0%	-----				-----
43	AY390556.1_SARS_coronavirus_G202_complete_genome	100.0%	100.0%	-----				-----
44	AY394850.2_SARS_coronavirus_WUO_complete_genome	100.0%	100.0%	-----				-----
45	AY394977.1_SARS_coronavirus_G2-A_partial_genome	83.0%	83.0%	-----				-----
46	AY394978.1_SARS_coronavirus_G2-B_partial_genome	76.0%	76.0%	-----				-----
47	AY394979.1_SARS_coronavirus_G2-C_partial_genome	82.7%	82.7%	-----				-----
48	AY394980.1_SARS_coronavirus_G2-D_partial_genome	84.7%	84.3%	-----				-----
49	AY394981.1_SARS_coronavirus_HGZBL1-A_partial_genome	83.0%	83.0%	-----				-----
50	AY394982.1_SARS_coronavirus_HGZBL1-B_partial_genome	82.7%	82.7%	-----				-----
51	AY394983.1_SARS_coronavirus_HGZ2-A_complete_genome	82.7%	82.7%	-----				-----
52	AY394984.1_SARS_coronavirus_HSZ-A_partial_genome	84.3%	84.3%	-----				-----
53	AY394985.1_SARS_coronavirus_HSZ-Bb_partial_genome	16.7%	16.7%	-----	TGGTTCGAGAAATGGACGCGATTC			-----
54	AY394986.1_SARS_coronavirus_HSZ-Cb_partial_genome	83.0%	83.0%	-----				-----
55	AY394987.1_SARS_coronavirus_HSZ2-Fb_partial_genome	86.0%	86.0%	-----				-----
56	AY394988.1_SARS_coronavirus_JMD_partial_genome	71.3%	71.0%	-----				-----
57	AY394989.1_SARS_coronavirus_HZS-D_complete_genome	95.0%	95.0%	-----				-----
58	AY394990.1_SARS_coronavirus_HZS2-E_complete_genome	95.0%	95.0%	-----				-----
59	AY394991.1_SARS_coronavirus_HZS2-Fc_complete_genome	95.0%	95.0%	-----				-----
60	AY394992.1_SARS_coronavirus_HZS2-C_complete_genome	95.0%	95.0%	-----				-----
61	AY394993.1_SARS_coronavirus_HGZBL2_complete_genome	95.0%	95.0%	-----				-----
62	AY394994.1_SARS_coronavirus_HSZ-Bc_partial_genome	95.0%	95.0%	-----				-----
63	AY394995.1_SARS_coronavirus_HSZ-Cc_partial_genome	95.0%	95.0%	-----				-----
64	AY394996.1_SARS_coronavirus_ZS-B_complete_genome	95.0%	95.0%	-----				-----
65	AY394997.1_SARS_coronavirus_ZS-A_complete_genome	95.0%	95.0%	-----				-----
66	AY394998.1_SARS_coronavirus_LC1_complete_genome	95.0%	95.0%	-----				-----
67	AY394999.1_SARS_coronavirus_LC2_complete_genome	95.0%	95.0%	-----				-----
68	AY395000.1_SARS_coronavirus_LC3_complete_genome	95.0%	95.0%	-----				-----
69	AY395001.1_SARS_coronavirus_LC4_complete_genome	95.0%	95.0%	-----				-----
70	AY395002.1_SARS_coronavirus_LC5_complete_genome	95.0%	95.0%	-----				-----
71	AY395003.1_SARS_coronavirus_ZS-C_complete_genome	83.0%	83.0%	-----				-----
72	AY395004.1_SARS_coronavirus_HSZ2-Bb_partial_genome	84.3%	84.3%	-----				-----
73	AY427439.1_SARS_coronavirus_AS_complete_genome	94.7%	94.7%	-----				-----
74	AY461660.1_SARS_coronavirus_SoD_complete_genome	95.0%	94.7%	-----				-----
75	AY463059.1_SARS_coronavirus_ShanghaiQXC1_complete_genome	73.7%	73.7%	-----				-----
76	AY463060.1_SARS_coronavirus_ShanghaiQXC2_complete_genome	73.7%	73.7%	-----				-----
77	AY485277.1_SARS_coronavirus_Sin01-11_complete_genome	100.0%	100.0%	-----				-----
78	AY485278.1_SARS_coronavirus_Sin03-11_complete_genome	100.0%	100.0%	-----				-----
79	AY502923.1_SARS_coronavirus_TW10_complete_genome	100.0%	100.0%	-----				-----
80	AY502924.1_SARS_coronavirus_TW11_complete_genome	100.0%	100.0%	-----				-----
81	AY502925.1_SARS_coronavirus_TW2_complete_genome	100.0%	100.0%	-----				-----
82	AY502926.1_SARS_coronavirus_TW3_complete_genome	100.0%	100.0%	-----				-----
83	AY502927.1_SARS_coronavirus_TW4_complete_genome	100.0%	100.0%	-----				-----
84	AY502928.1_SARS_coronavirus_TW5_complete_genome	100.0%	100.0%	-----				-----
85	AY502929.1_SARS_coronavirus_TW6_complete_genome	100.0%	100.0%	-----				-----
86	AY502930.1_SARS_coronavirus_TW7_complete_genome	100.0%	100.0%	-----				-----
87	AY502931.1_SARS_coronavirus_TW8_complete_genome	100.0%	100.0%	-----				-----
88	AY502932.1_SARS_coronavirus_TW9_complete_genome	100.0%	100.0%	-----				-----
89	AY508724.1_SARS_coronavirus_NS-1_complete_genome	94.7%	94.7%	-----				-----
90	AY559081.1_SARS_coronavirus_Sin842_complete_genome	95.7%	95.3%	-----				-----
91	AY559082.1_SARS_coronavirus_Sin852_complete_genome	99.7%	96.3%	-----				-----
92	AY559083.1_SARS_coronavirus_Sin408_complete_genome	88.7%	85.3%	-----				-----
93	AY559084.1_SARS_coronavirus_Sin3765V_complete_genome	94.7%	94.7%	-----				-----
94	AY559085.1_SARS_coronavirus_Sin848_complete_genome	94.7%	94.7%	-----				-----
95	AY559086.1_SARS_coronavirus_Sin849_complete_genome	94.7%	94.7%	-----				-----
96	AY559087.1_SARS_coronavirus_Sin3725V_complete_genome	94.7%	94.7%	-----				-----
97	AY559088.1_SARS_coronavirus_SinP1_complete_genome	94.7%	94.7%	-----				-----
98	AY559089.1_SARS_coronavirus_SinP2_complete_genome	94.7%	94.7%	-----				-----
99	AY559090.1_SARS_coronavirus_SinP3_complete_genome	95.3%	92.7%	-----				-----
100	AY559091.1_SARS_coronavirus_SinP4_complete_genome	94.7%	94.7%	-----				-----
101	AY559092.1_SARS_coronavirus_SinP5_complete_genome	94.7%	94.7%	-----				-----
102	AY559093.1_SARS_coronavirus_Sin845_complete_genome	94.7%	94.7%	-----				-----
103	AY559094.1_SARS_coronavirus_Sin846_complete_genome	94.7%	94.7%	-----				-----
104	AY559095.1_SARS_coronavirus_Sin847_complete_genome	96.7%	96.0%	-----				-----
105	AY559096.1_SARS_coronavirus_Sin850_complete_genome	97.3%	95.7%	-----				-----
106	AY559097.1_SARS_coronavirus_Sin3408L_complete_genome	94.7%	94.7%	-----				-----
107	AY594412.1_SARS_coronavirus_LiJ-2004_complete_genome	93.0%	93.0%	-----				-----

108 AY654624.1_SARS_coronavirus_TJF_complete_genome	99.7%	99.0%	-----
109 AY714217.1_SARS_Coronavirus_CDC*200301157_complete_genome	100.0%	100.0%	-----
110 CQ903009.1_Sequence_13_from_Patent_WO2004094667	100.0%	99.7%	-----
111 CQ918584.1_Sequence_1_from_Patent_WO2004096842	95.0%	95.0%	-----
112 CQ918585.1_Sequence_2_from_Patent_WO2004096842	95.0%	95.0%	-----
113 CQ918598.1_Sequence_15_from_Patent_WO2004096842	100.0%	100.0%	-----
114 NC_004718.3_SARS_coronavirus_complete_genome	100.0%	100.0%	-----
consensus/100%		
consensus/90%		
consensus/80%		
consensus/70%		

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Reference sequence (1): hCoV-19/Algeria/G0638_2264/2020|EPI_ISL_418241|2020-03-02
Identities normalised by aligned length.
Colored by: identity

Table with columns: cov, pid, and sequence alignment. Rows list various countries and dates, such as hCoV-19/Algeria/G0638_2264/2020, hCoV-19/Australia/NSW01/2020, etc.

consensus/100% consensus/90% consensus/80% consensus/70%

Table with columns: cov, pid, and sequence alignment. This section shows the alignment for the second reference sequence (81) and includes the same country/date entries as the first table.

Table with columns: 1, and sequence alignment. This section shows the alignment for the first reference sequence (1) and includes the same country/date entries as the first table.

consensus/100% consensus/90% consensus/80% consensus/70%

Table with columns: 1, and sequence alignment. This section shows the alignment for the second reference sequence (81) and includes the same country/date entries as the first table.

12	hCoV-19/Chongqing/IVDC-CQ-001/2020|EPI_ISL_408481|2020-01-18	81.4%	82.0%	CTAGGTTTCGTCGCGG
13	hCoV-19/Congo/108/2020|EPI_ISL_417948|2020-03-19	85.1%	82.1%	CTAGGTTTTCGTCGCGG
14	hCoV-19/Denmark/SSI-01/2020|EPI_ISL_416142|2020-02-26	91.7%	90.2%	CTAGGTTTTCGTCGCGG
15	hCoV-19/England/01/2020|EPI_ISL_407071|2020-01-29	85.1%	82.0%	CTAGGTTTTCGTCGCGG
16	hCoV-19/Finland/1/2020|EPI_ISL_407079|2020-01-29	88.4%	84.9%	CTAGGTTTTCGTCGCGG
17	hCoV-19/Foshan/20SF207/2020|EPI_ISL_406534|2020-01-22	90.9%	89.0%	CTAGGTTTTCGTCGCGG
18	hCoV-19/France/ARA094100/2020|EPI_ISL_418412|2020-03-15	85.5%	84.8%	CTAGGTTTTCGTCGCGG
19	hCoV-19/Fujian/13/2020|EPI_ISL_411066|2020-01-22	83.5%	80.1%	CTAGGTTTTCGTCGCGG
20	hCoV-19/Gaetgia/Tb/2020|EPI_ISL_416482|2020-03-13	84.3%	81.6%	CTAGGTTTTCGTCGCGG
21	hCoV-19/Germany/Baden-Wuerttemberg-1/2020|EPI_ISL_412912|2020-02-25	95.0%	99.1%	CTAGGTTTTCGTCGCGG
22	hCoV-19/Germany/BavPat1/2020|EPI_ISL_406862|2020-01-28	97.9%	96.7%	CTAGGTTTTCGTCGCGG
23	hCoV-19/Germany/NRW-01/2020|EPI_ISL_413488|2020-02-28	97.9%	95.9%	CTAGGTTTTCGTCGCGG
24	hCoV-19/Greece/10/2020|EPI_ISL_418263|2020-03-18	83.5%	80.5%	CTAGGTTTTCGTCGCGG
25	hCoV-19/Guangdong/2020XN4243-P0035/2020|EPI_ISL_413853|2020-01-30	85.5%	88.0%	CTAGGTTTTCGTCGCGG
26	hCoV-19/Guangzhou/20SF206/2020|EPI_ISL_406533|2020-01-22	89.7%	88.9%	CTAGGTTTTCGTCGCGG
27	hCoV-19/Hangzhou/HZ-1/2020|EPI_ISL_406970|2020-01-20	83.1%	81.0%	CTAGGTTTTCGTCGCGG
28	hCoV-19/Hefei/2/2020|EPI_ISL_412026|2020-02-23	84.3%	80.2%	CTAGGTTTTCGTCGCGG
29	hCoV-19/Hong_Kong/Casell_21012020/2020|EPI_ISL_417176|2020-01-21	97.5%	99.6%	CTAGGTTTTCGTCGCGG
30	hCoV-19/Hungary/2/2020|EPI_ISL_418183|2020-03-17	97.9%	94.4%	CTAGGTTTTCGTCGCGG
31	hCoV-19/Iceland/1/2020|EPI_ISL_417535|2020-03-13	87.2%	84.1%	CTAGGTTTTCGTCGCGG
32	hCoV-19/India/1-31/2020|EPI_ISL_413523|2020-01-31	91.3%	88.0%	CTAGGTTTTCGTCGCGG
33	hCoV-19/Ireland/21023/2020|EPI_ISL_418516|2020-03-06	81.8%	78.1%	CTAGGTTTTCGTCGCGG
34	hCoV-19/Israel/ISR_IT0320/2020|EPI_ISL_419210|2020-03	79.8%	78.5%	CTAGGTTTTCGTCGCGG
35	hCoV-19/Italy/SPL1/2020|EPI_ISL_412974|2020-01-29	83.1%	80.0%	CTAGGTTTTCGTCGCGG
36	hCoV-19/Japan/DP0005/2020|EPI_ISL_416565|2020-02-15	88.4%	85.9%	CTAGGTTTTCGTCGCGG
37	hCoV-19/Jiangsu/JS01/2020|EPI_ISL_411950|2020-01-23	82.2%	79.8%	CTAGGTTTTCGTCGCGG
38	hCoV-19/Jiangsu/JS02/2020|EPI_ISL_411952|2020-01-24	82.2%	79.8%	CTAGGTTTTCGTCGCGG
39	hCoV-19/Jiangxi/IVDC-JX-002/2020|EPI_ISL_408486|2020-01-11	85.5%	85.5%	CTAGGTTTTCGTCGCGG
40	hCoV-19/Jingzhou/HBCDC-HB-01/2020|EPI_ISL_412459|2020-01-08	83.5%	83.8%	CTAGGTTTTCGTCGCGG
41	hCoV-19/Kuwait/KU09/2020|EPI_ISL_416541|2020-03-02	83.1%	80.3%	CTAGGTTTTCGTCGCGG
42	hCoV-19/Lithuania/CHVir1632/2020|EPI_ISL_416741|2020-02	85.1%	84.4%	CTAGGTTTTCGTCGCGG
43	hCoV-19/Luxembourg/LNS0158952/2020|EPI_ISL_417534|2020-03-18	78.5%	79.5%	CTAGGTTTTCGTCGCGG
44	hCoV-19/Malaysia/188407/2020|EPI_ISL_417918|2020-03-18	95.5%	83.9%	CTAGGTTTTCGTCGCGG
45	hCoV-19/Mexico/CDMX-INDRE_01/2020|EPI_ISL_412972|2020-02-27	78.9%	79.6%	CTAGGTTTTCGTCGCGG
46	hCoV-19/Nanchang/XZ216/2020|EPI_ISL_417420|2020-03-23	91.7%	90.2%	CTAGGTTTTCGTCGCGG
47	hCoV-19/Nepal/61/2020|EPI_ISL_410301|2020-01-13	90.1%	86.1%	CTAGGTTTTCGTCGCGG
48	hCoV-19/Netherlands/Utrecht_1/2020|EPI_ISL_414435|2020-03-03	96.3%	97.5%	CTAGGTTTTCGTCGCGG
49	hCoV-19/New_Zealand/01/2020|EPI_ISL_413490|2020-02-27	97.9%	95.9%	CTAGGTTTTCGTCGCGG
50	hCoV-19/Nonthaburi/61/2020|EPI_ISL_403962|2020-01-08	86.4%	84.2%	CTAGGTTTTCGTCGCGG
51	hCoV-19/Norway/1379/2020|EPI_ISL_417483|2020-02-27	85.5%	82.7%	CTAGGTTTTCGTCGCGG
52	hCoV-19/Pakistan/Gilgit1/2020|EPI_ISL_417444|2020-03-04	95.5%	94.7%	CTAGGTTTTCGTCGCGG
53	hCoV-19/Panama/328677/2020|EPI_ISL_415152|2020-03-06	81.8%	79.8%	CTAGGTTTTCGTCGCGG
54	hCoV-19/pangolin/Guangdong/1/2019|EPI_ISL_410721|2019	81.4%	78.9%	CTAGGTTTTCGTCGCGG
55	hCoV-19/Peru/010/2020|EPI_ISL_415787|2020-03-10	87.6%	84.1%	CTAGGTTTTCGTCGCGG
56	hCoV-19/Poland/PL_P1/2020|EPI_ISL_416488|2020-03-03	82.2%	79.4%	CTAGGTTTTCGTCGCGG
57	hCoV-19/Portugal/CV62/2020|EPI_ISL_413647|2020-03-01	81.8%	80.2%	CTAGGTTTTCGTCGCGG
58	hCoV-19/Russia/StPetersburg-3524/2020|EPI_ISL_415710|2020-03-15	77.3%	79.2%	CTAG
59	hCoV-19/Saudi_Arabia/KAIMRC-Alghoribi/2020|EPI_ISL_416432|2020-03-07	72.7%	76.2%	CTAGGTTTTCGTCGCGG
60	hCoV-19/Scotland/CVR05/2020|EPI_ISL_414027|2020-03-04	97.9%	96.3%	CTAGGTTTTCGTCGCGG
61	hCoV-19/Senegal/003/2020|EPI_ISL_418206|2020-02-28	96.7%	95.5%	CTAGGTTTTCGTCGCGG
62	hCoV-19/Shandong/IVDC-SD-001/2020|EPI_ISL_408482|2020-01-19	83.9%	84.2%	CTAGGTTTTCGTCGCGG
63	hCoV-19/Shanghai/SH0002/2020|EPI_ISL_416316|2020-01-25	93.4%	91.8%	CTAGGTTTTCGTCGCGG
64	hCoV-19/Shenzhen/HKU-SZ-002/2020|EPI_ISL_406030|2020-01-10	92.6%	92.5%	CTAGGTTTTCGTCGCGG
65	hCoV-19/Sichuan/IVDC-SC-001/2020|EPI_ISL_408484|2020-01-15	85.5%	85.5%	CTAGGTTTTCGTCGCGG
66	hCoV-19/Singapore/1/2020|EPI_ISL_406973|2020-01-23	82.6%	79.9%	CTAGGTTTTCGTCGCGG
67	hCoV-19/Slovakia/SK-BMCL1/2020|EPI_ISL_417877|2020-03-06	81.4%	80.7%	CTAGGTTTTCGTCGCGG
68	hCoV-19/South_Africa/R03006-20/2020|EPI_ISL_417186|2020-03-07	78.1%	79.4%	CTAGGTTTTCGTCGCGG
69	hCoV-19/South_Korea/KMCO3/2020|EPI_ISL_407193|2020-01-25	91.3%	90.9%	CTAGGTTTTCGTCGCGG
70	hCoV-19/Spain/Madrid_H10_39/2020|EPI_ISL_417963|2020-03-12	95.9%	96.3%	CTAGGTTTTCGTCGCGG
71	hCoV-19/Sweden/01/2020|EPI_ISL_411951|2020-02-07	83.5%	80.1%	CTAGGTTTTCGTCGCGG
72	hCoV-19/Switzerland/1000477377/2020|EPI_ISL_413020|2020-02-27	78.1%	79.4%	CTAGGTTTTCGTCGCGG
73	hCoV-19/Taiwan/2/2020|EPI_ISL_406031|2020-01-23	85.1%	81.3%	CTAGGTTTTCGTCGCGG
74	hCoV-19/USA/AZ1/2020|EPI_ISL_406223|2020-01-22	84.3%	80.2%	CTAGGTTTTCGTCGCGG
75	hCoV-19/Vietnam/19-01S/2020|EPI_ISL_418269|2020-01-22	81.4%	79.7%	CTAGGTTTTCGTCGCGG
76	hCoV-19/Wales/PHW04/2020|EPI_ISL_415041|2020-03-07	97.9%	95.2%	CTAGGTTTTCGTCGCGG
77	hCoV-19/Wuhan/HBCDC-HB-01/2019|EPI_ISL_402132|2019-12-30	84.7%	84.0%	CTAGGTTTTCGTCGCGG
78	hCoV-19/Wuhan-Hu-1/2019|EPI_ISL_402125|2019-12-31	83.1%	80.0%	CTAGGTTTTCGTCGCGG
79	hCoV-19/Yunnan/IVDC-YN-003/2020|EPI_ISL_408480|2020-01-17	82.2%	81.8%	CTAGGTTTTCGTCGCGG
80	hCoV-19/Zhejiang/WZ-01/2020|EPI_ISL_404227|2020-01-16	89.3%	87.4%	CTAGGTTTTCGTCGCGG

consensus/10%
consensus/90%
consensus/80%
consensus/70%

1	hCoV-19/Algeria/G0638_2264/2020|EPI_ISL_418241|2020-03-02	100.0%	100.0%	cov pid 321
2	hCoV-19/Australia/NSW01/2020|EPI_ISL_407893|2020-01-24	97.9%	96.3%	
3	hCoV-19/bat/Yunnan/RatG13/2013|EPI_ISL_402131|2013-07-24	86.4%	84.4%	
4	hCoV-19/Beijing/105/2020|EPI_ISL_413518|2020-01-26	82.6%	79.9%	
5	hCoV-19/Belgium/BA-02291/2020|EPI_ISL_415159|2020-02-29	90.9%	90.2%	
6	hCoV-19/Brazil/AMBR-02/2020|EPI_ISL_417034|2020-03-16	100.0%	98.0%	
7	hCoV-19/Cambodia/188407/2020|EPI_ISL_417918|2020-03-18	82.2%	79.4%	
8	hCoV-19/Canada/BCC_02421/2020|EPI_ISL_415561|2020-03-01	97.9%	96.3%	
9	hCoV-19/Chile/Santiago_op2d1/2020|EPI_ISL_415658|2020-03-06	97.5%	97.9%	
10	hCoV-19/China/IQT001/2020|EPI_ISL_412966|2020-02-05	81.0%	78.6%	
11	hCoV-19/China/WHU02/2020|EPI_ISL_406717|2020-01-02	83.1%	80.3%	
12	hCoV-19/Chongqing/IVDC-CQ-001/2020|EPI_ISL_408481|2020-01-18	81.4%	82.0%	
13	hCoV-19/Congo/108/2020|EPI_ISL_417948|2020-03-19	85.1%	82.1%	
14	hCoV-19/Denmark/SSI-01/2020|EPI_ISL_416142|2020-02-26	91.7%	90.2%	
15	hCoV-19/England/01/2020|EPI_ISL_407071|2020-01-29	85.1%	82.0%	
16	hCoV-19/Finland/1/2020|EPI_ISL_407079|2020-01-29	88.4%	84.9%	
17	hCoV-19/Foshan/20SF207/2020|EPI_ISL_406534|2020-01-22	90.9%	89.0%	
18	hCoV-19/France/ARA094100/2020|EPI_ISL_418412|2020-03-15	85.5%	84.8%	
19	hCoV-19/Fujian/13/2020|EPI_ISL_411066|2020-01-22	83.5%	80.1%	
20	hCoV-19/Gaetgia/Tb/2020|EPI_ISL_416482|2020-03-13	84.3%	81.6%	
21	hCoV-19/Germany/Baden-Wuerttemberg-1/2020|EPI_ISL_412912|2020-02-25	95.0%	99.1%	
22	hCoV-19/Germany/BavPat1/2020|EPI_ISL_406862|2020-01-28	97.9%	96.7%	
23	hCoV-19/Germany/NRW-01/2020|EPI_ISL_413488|2020-02-28	97.9%	95.9%	
24	hCoV-19/Greece/10/2020|EPI_ISL_418263|2020-03-18	83.5%	80.5%	
25	hCoV-19/Guangdong/2020XN4243-P0035/2020|EPI_ISL_413853|2020-01-30	85.5%	88.0%	
26	hCoV-19/Guangzhou/20SF206/2020|EPI_ISL_406533|2020-01-22	89.7%	88.9%	
27	hCoV-19/Hangzhou/HZ-1/2020|EPI_ISL_406970|2020-01-20	83.1%	81.0%	
28	hCoV-19/Hefei/2/2020|EPI_ISL_412026|2020-02-23	84.3%	80.2%	
29	hCoV-19/Hong_Kong/Casell_21012020/2020|EPI_ISL_417176|2020-01-21	97.5%	99.6%	
30	hCoV-19/Hungary/2/2020|EPI_ISL_418183|2020-03-17	97.9%	94.4%	
31	hCoV-19/Iceland/1/2020|EPI_ISL_417535|2020-03-13	87.2%	84.1%	
32	hCoV-19/India/1-31/2020|EPI_ISL_413523|2020-01-31	91.3%	88.0%	
33	hCoV-19/Ireland/21023/2020|EPI_ISL_418516|2020-03-06	81.8%	78.1%	
34	hCoV-19/Israel/ISR_IT0320/2020|EPI_ISL_419210|2020-03	79.8%	78.5%	
35	hCoV-19/Italy/SPL1/2020|EPI_ISL_412974|2020-01-29	83.1%	80.0%	
36	hCoV-19/Japan/DP0005/2020|EPI_ISL_416565|2020-02-15	88.4%	85.9%	CAGTTTTCGTCGTT
37	hCoV-19/Jiangsu/JS01/2020|EPI_ISL_411950|2020-01-23	82.2%	79.8%	
38	hCoV-19/Jiangsu/JS02/2020|EPI_ISL_411952|2020-01-24	82.2%	79.8%	
39	hCoV-19/Jiangxi/IVDC-JX-002/2020|EPI_ISL_408486|2020-01-11	85.5%	85.5%	
40	hCoV-19/Jingzhou/HBCDC-HB-01/2020|EPI_ISL_412459|2020-01-08	83.5%	83.8%	
41	hCoV-19/Kuwait/KU09/2020|EPI_ISL_416541|2020-03-02	83.1%	80.3%	
42	hCoV-19/Lithuania/CHVir1632/2020|EPI_ISL_416741|2020-02	85.1%	84.4%	
43	hCoV-19/Luxembourg/LNS0158952/2020|EPI_ISL_417534|2020-03-18	78.5%	79.5%	
44	hCoV-19/Malaysia/188407/2020|EPI_ISL_417918|2020-03-18	95.5%	83.9%	
45	hCoV-19/Mexico/CDMX-INDRE_01/2020|EPI_ISL_412972|2020-02-27	78.9%	79.6%	
46	hCoV-19/Nanchang/XZ216/2020|EPI_ISL_417420|2020-03-23	91.7%	90.2%	
47	hCoV-19/Nepal/61/2020|EPI_ISL_410301|2020-01-13	90.1%	86.1%	
48	hCoV-19/Netherlands/Utrecht_1/2020|EPI_ISL_414435|2020-03-03	96.3%	97.5%	
49	hCoV-19/New_Zealand/01/2020|EPI_ISL_413490|2020-02-27	97.9%	95.9%	
50	hCoV-19/Nonthaburi/61/2020|EPI_ISL_403962|2020-01-08	86.4%	84.2%	
51	hCoV-19/Norway/1379/2020|EPI_ISL_417483|2020-02-27	85.5%	82.7%	
52	hCoV-19/Pakistan/Gilgit1/2020|EPI_ISL_417444|2020-03-04	95.5%	94.7%	
53	hCoV-19/Panama/328677/2020|EPI_ISL_415152|2020-03-06	81.8%	79.8%	
54	hCoV-19/pangolin/Guangdong/1/2019|EPI_ISL_410721|2019	81.4%	78.9%	
55	hCoV-19/Peru/010/2020|EPI_ISL_415787|2020-03-10	87.6%	84.1%	
56	hCoV-19/Poland/PL_P1/2020|EPI_ISL_416488|2020-03-03	82.2%	79.4%	
57	hCoV-19/Portugal/CV62/2020|EPI_ISL_413647|2020-03-01	81.8%	80.2%	
58	hCoV-19/Russia/StPetersburg-3524/2020|EPI_ISL_415710|2020-03-15	77.3%	79.2%	
59	hCoV-19/Saudi_Arabia/KAIMRC-Alghoribi/2020|EPI_ISL_416432|2020-03-07	72.7%	76.2%	
60	hCoV-19/Scotland/CVR05/2020|EPI_ISL_414027|2020-03-04	97.9%	96.3%	
61	hCoV-19/Senegal/003/2020|EPI_ISL_418206|2020-02-28	96.7%	95.5%	
62	hCoV-19/Shandong/IVDC-SD-001/2020|EPI_ISL_408482|2020-01-19	83.9%	84.2%	
63	hCoV-19/Shanghai/SH0002/2020|EPI_ISL_416316|2020-01-25	93.4%	91.8%	

64	hCoV-19/Shenzhen/HKU-SZ-002/2020|EPI_ISL_406030|2020-01-10	92.6%	92.5%	-----
65	hCoV-19/Sichuan/IVDC-SC-001/2020|EPI_ISL_408484|2020-01-15	85.5%	85.5%	-----
66	hCoV-19/Singapore/1/2020|EPI_ISL_406973|2020-01-23	82.6%	79.9%	-----
67	hCoV-19/Slovakia/SK-BMCL/2020|EPI_ISL_417877|2020-03-06	81.4%	80.7%	-----
68	hCoV-19/South_Africa/R03006-20/2020|EPI_ISL_417186|2020-03-07	78.1%	79.4%	-----
69	hCoV-19/South_Korea/KCDC03/2020|EPI_ISL_407193|2020-01-25	91.3%	90.9%	-----
70	hCoV-19/Spain/Madrid_H10_39/2020|EPI_ISL_417963|2020-03-12	95.9%	96.3%	-----
71	hCoV-19/Sweden/01/2020|EPI_ISL_411951|2020-02-07	83.5%	80.1%	-----
72	hCoV-19/Switzerland/1000477377/2020|EPI_ISL_413020|2020-02-27	78.1%	79.4%	-----
73	hCoV-19/Taiwan/2/2020|EPI_ISL_406031|2020-01-23	85.1%	81.3%	-----
74	hCoV-19/USA/AZ1/2020|EPI_ISL_406223|2020-01-22	84.3%	80.2%	-----
75	hCoV-19/Vietnam/19-01S/2020|EPI_ISL_418269|2020-01-22	81.4%	79.7%	-----
76	hCoV-19/Wales/PHW04/2020|EPI_ISL_415041|2020-03-07	97.9%	95.2%	-----
77	hCoV-19/Wuhan/HBCCDC-HB-01/2019|EPI_ISL_402132|2019-12-30	84.7%	84.0%	-----
78	hCoV-19/Wuhan-Hu-1/2019|EPI_ISL_402125|2019-12-31	83.1%	80.0%	-----
79	hCoV-19/Yunnan/IVDC-YN-003/2020|EPI_ISL_408480|2020-01-17	82.2%	81.8%	-----
80	hCoV-19/Zhejiang/WZ-01/2020|EPI_ISL_404227|2020-01-16	89.3%	87.4%	-----
	consensus/100%	.....	.....	.....
	consensus/90%	.....	.....	.....
	consensus/80%	.....	.....	.....
	consensus/70%	.....	.....	.....
		cov	pid	401] 403
1	hCoV-19/Algeria/G0638_2264/2020|EPI_ISL_418241|2020-03-02	100.0%	100.0%	---
2	hCoV-19/Australia/NSW01/2020|EPI_ISL_407893|2020-01-24	97.9%	96.3%	---
3	hCoV-19/bat/Yunnan/RaTG13/2013|EPI_ISL_402131|2013-07-24	86.4%	84.4%	---
4	hCoV-19/Beijing/105/2020|EPI_ISL_413518|2020-01-26	82.6%	79.9%	---
5	hCoV-19/Belgium/BA-02291/2020|EPI_ISL_415159|2020-02-29	90.9%	90.2%	---
6	hCoV-19/Brazil/AMBR-02/2020|EPI_ISL_417034|2020-03-16	100.0%	98.0%	---
7	hCoV-19/Cambodia/0012/2020|EPI_ISL_411902|2020-01-27	82.2%	80.2%	---
8	hCoV-19/Canada/BC_02421/2020|EPI_ISL_415581|2020-03-01	97.9%	96.3%	---
9	hCoV-19/Chile/Santiago_cp2d1/2020|EPI_ISL_415658|2020-03-06	97.5%	97.9%	---
10	hCoV-19/China/IQT001/2020|EPI_ISL_412966|2020-02-05	81.0%	78.6%	---
11	hCoV-19/China/WHU02/2020|EPI_ISL_406717|2020-01-02	83.1%	80.3%	---
12	hCoV-19/Chongqing/IVDC-CQ-001/2020|EPI_ISL_408481|2020-01-18	81.4%	82.0%	---
13	hCoV-19/Congo/108/2020|EPI_ISL_417948|2020-03-19	85.1%	82.1%	---
14	hCoV-19/Denmark/SSI-01/2020|EPI_ISL_416142|2020-02-26	91.7%	90.2%	---
15	hCoV-19/England/01/2020|EPI_ISL_407071|2020-01-29	85.1%	82.0%	---
16	hCoV-19/Finland/1/2020|EPI_ISL_407079|2020-01-29	88.4%	84.9%	---
17	hCoV-19/Foshan/20SF207/2020|EPI_ISL_406534|2020-01-22	90.9%	89.0%	---
18	hCoV-19/France/ARA094100/2020|EPI_ISL_418412|2020-03-15	85.5%	84.8%	---
19	hCoV-19/Fujian/13/2020|EPI_ISL_411066|2020-01-22	83.5%	80.1%	---
20	hCoV-19/Georgia/Tb/2020|EPI_ISL_416482|2020-03-13	84.3%	81.6%	---
21	hCoV-19/Germany/Baden-Wuerttemberg-1/2020|EPI_ISL_412912|2020-02-25	95.0%	99.1%	---
22	hCoV-19/Germany/BavPat1/2020|EPI_ISL_416062|2020-01-28	97.9%	96.7%	---
23	hCoV-19/Germany/NRW-01/2020|EPI_ISL_413488|2020-02-28	97.9%	95.9%	---
24	hCoV-19/Greece/10/2020|EPI_ISL_418263|2020-03-18	83.5%	80.5%	---
25	hCoV-19/Guangdong/2020XN4243-P0035/2020|EPI_ISL_413853|2020-01-30	85.5%	88.0%	---
26	hCoV-19/Guangzhou/20SF206/2020|EPI_ISL_406533|2020-01-22	89.7%	88.9%	---
27	hCoV-19/Hangzhou/HZ-1/2020|EPI_ISL_406970|2020-01-20	83.1%	81.0%	---
28	hCoV-19/Hefei/2/2020|EPI_ISL_412026|2020-02-23	84.3%	80.2%	---
29	hCoV-19/Hong_Kong/Casell_21012020/2020|EPI_ISL_417176|2020-01-21	97.5%	99.6%	---
30	hCoV-19/Hungary/2/2020|EPI_ISL_418183|2020-03-17	97.9%	94.4%	---
31	hCoV-19/Iceland/1/2020|EPI_ISL_417535|2020-03-13	87.2%	84.1%	---
32	hCoV-19/India/1-31/2020|EPI_ISL_413523|2020-01-31	91.3%	88.0%	---
33	hCoV-19/Ireland/21023/2020|EPI_ISL_418516|2020-03-06	81.8%	78.1%	---
34	hCoV-19/Israel/ISR_IT0320/2020|EPI_ISL_419210|2020-03	79.8%	78.5%	---
35	hCoV-19/Italy/SPI1/2020|EPI_ISL_412974|2020-01-29	83.1%	80.0%	---
36	hCoV-19/Japan/DP0005/2020|EPI_ISL_416565|2020-02-15	88.4%	85.9%	---
37	hCoV-19/Jiangsu/JS01/2020|EPI_ISL_411950|2020-01-23	82.2%	79.8%	---
38	hCoV-19/Jiangsu/JS02/2020|EPI_ISL_411952|2020-01-24	82.2%	79.8%	---
39	hCoV-19/Jiangxi/IVDC-JX-002/2020|EPI_ISL_408486|2020-01-11	85.5%	85.5%	---
40	hCoV-19/Jingzhou/HBCCDC-HB-01/2020|EPI_ISL_412459|2020-01-08	83.5%	83.8%	---
41	hCoV-19/Kuwait/KU09/2020|EPI_ISL_416541|2020-03-02	83.1%	80.3%	---
42	hCoV-19/Lithuania/ChVir1632/2020|EPI_ISL_416741|2020-02	85.1%	84.4%	---
43	hCoV-19/Luxembourg/LNS0158952/2020|EPI_ISL_417534|2020-03-18	78.5%	79.5%	---
44	hCoV-19/Malaysia/188407/2020|EPI_ISL_417918|2020-03-18	95.5%	93.9%	---
45	hCoV-19/Mexico/CDMX-INDRE_01/2020|EPI_ISL_412972|2020-02-27	78.9%	79.6%	---
46	hCoV-19/NanChang/JX216/2020|EPI_ISL_417420|2020-03-23	91.7%	90.2%	---
47	hCoV-19/Nepal/61/2020|EPI_ISL_410301|2020-01-13	90.1%	86.1%	---
48	hCoV-19/Netherlands/Utrecht_1/2020|EPI_ISL_414435|2020-03-03	96.3%	97.5%	---
49	hCoV-19/New_Zealand/01/2020|EPI_ISL_413490|2020-02-27	97.9%	95.9%	---
50	hCoV-19/Nonthaburi/61/2020|EPI_ISL_403962|2020-01-08	86.4%	84.2%	---
51	hCoV-19/Norway/1379/2020|EPI_ISL_417483|2020-02-27	85.5%	82.7%	---
52	hCoV-19/Pakistan/Gilgit1/2020|EPI_ISL_417444|2020-03-04	95.5%	94.7%	---
53	hCoV-19/Panama/328677/2020|EPI_ISL_415152|2020-03-06	81.8%	79.8%	---
54	hCoV-19/pangolin/Guangdong/1/2019|EPI_ISL_410721|2019	81.4%	78.9%	---
55	hCoV-19/Peru/010/2020|EPI_ISL_415787|2020-03-10	87.6%	84.1%	---
56	hCoV-19/Poland/PL_P1/2020|EPI_ISL_416488|2020-03-03	82.2%	79.4%	---
57	hCoV-19/Portugal/CV62/2020|EPI_ISL_413647|2020-03-01	81.8%	80.2%	---
58	hCoV-19/Russia/StPetersburg-3524/2020|EPI_ISL_415710|2020-03-15	77.3%	79.2%	---
59	hCoV-19/Saudi_Arabia/KAIMRC-Alghoribi/2020|EPI_ISL_416432|2020-03-07	72.7%	76.2%	---
60	hCoV-19/Scotland/CVR05/2020|EPI_ISL_414027|2020-03-04	97.9%	96.3%	---
61	hCoV-19/Senegal/003/2020|EPI_ISL_418206|2020-02-28	96.7%	95.5%	---
62	hCoV-19/Shandong/IVDC-SD-001/2020|EPI_ISL_408482|2020-01-19	83.9%	84.2%	---
63	hCoV-19/Shanghai/SH0002/2020|EPI_ISL_416316|2020-01-25	93.4%	91.8%	---
64	hCoV-19/Shenzhen/HKU-SZ-002/2020|EPI_ISL_406030|2020-01-10	92.6%	92.5%	---
65	hCoV-19/Sichuan/IVDC-SC-001/2020|EPI_ISL_408484|2020-01-15	85.5%	85.5%	---
66	hCoV-19/Singapore/1/2020|EPI_ISL_406973|2020-01-23	82.6%	79.9%	---
67	hCoV-19/Slovakia/SK-BMCL/2020|EPI_ISL_417877|2020-03-06	81.4%	80.7%	---
68	hCoV-19/South_Africa/R03006-20/2020|EPI_ISL_417186|2020-03-07	78.1%	79.4%	---
69	hCoV-19/South_Korea/KCDC03/2020|EPI_ISL_407193|2020-01-25	91.3%	90.9%	---
70	hCoV-19/Spain/Madrid_H10_39/2020|EPI_ISL_417963|2020-03-12	95.9%	96.3%	---
71	hCoV-19/Sweden/01/2020|EPI_ISL_411951|2020-02-07	83.5%	80.1%	---
72	hCoV-19/Switzerland/1000477377/2020|EPI_ISL_413020|2020-02-27	78.1%	79.4%	---
73	hCoV-19/Taiwan/2/2020|EPI_ISL_406031|2020-01-23	85.1%	81.3%	---
74	hCoV-19/USA/AZ1/2020|EPI_ISL_406223|2020-01-22	84.3%	80.2%	---
75	hCoV-19/Vietnam/19-01S/2020|EPI_ISL_418269|2020-01-22	81.4%	79.7%	---
76	hCoV-19/Wales/PHW04/2020|EPI_ISL_415041|2020-03-07	97.9%	95.2%	---
77	hCoV-19/Wuhan/HBCCDC-HB-01/2019|EPI_ISL_402132|2019-12-30	84.7%	84.0%	---
78	hCoV-19/Wuhan-Hu-1/2019|EPI_ISL_402125|2019-12-31	83.1%	80.0%	---
79	hCoV-19/Yunnan/IVDC-YN-003/2020|EPI_ISL_408480|2020-01-17	82.2%	81.8%	---
80	hCoV-19/Zhejiang/WZ-01/2020|EPI_ISL_404227|2020-01-16	89.3%	87.4%	---
	consensus/100%	.....	.....	.....
	consensus/90%	.....	.....	.....
	consensus/80%	.....	.....	.....
	consensus/70%	.....	.....	.....

5'UTR of all SARS-CoV isolates



5'UTR of all SARS-CoV-2 isolates

