

Supplementary Table 1. Demographic information and Ct value

Sequence Name	Collection Date	Gender	Age	Health Sub-district	Ct E gene	Ct RdRp	Ct N gene
Tygerberg_01	2020-03-17	Male*	63	Southern	12.40	16.11	17.01
Tygerberg_02	2020-03-27	Female	41	Tygerberg	21.19	22.48	24.78
Tygerberg_03	2020-03-27	Female	32	Tygerberg	12.66	15.15	17.30
Tygerberg_04	2020-03-20	Male**	65	Southern	16.89	18.33	19.88
Tygerberg_05	2020-03-17	Male***	34	Tygerberg	18.73	25.46	24.01
Tygerberg_06	2020-03-20	Female	33	Tygerberg	18.67	20.59	22.12
Tygerberg_07	2020-04-08	Female	23	Tygerberg	15.00	17.90	19.20
Tygerberg_08	2020-04-08	Female	28	Tygerberg	20.09 [#]	None	None
Tygerberg_09	2020-04-08	Female	29	Tygerberg	20.90	22.50	25.40
Tygerberg_10	2020-04-08	Female	41	Tygerberg	13.10	14.80	17.80
Tygerberg_11	2020-04-07	Female	50	Northern	21.30	22.70	25.30
Tygerberg_12	2020-04-08	Female	23	Tygerberg	17.20	19.30	21.20
Tygerberg_13	2020-04-08	Female	42	Tygerberg	24.60	26.20	29.60
Tygerberg_14	2020-04-08	Female	28	Tygerberg	21.80	23.10	26.00
Tygerberg_15	2020-04-08	Male	33	Tygerberg	14.50	16.60	19.00
Tygerberg_16	2020-04-08	Female	38	Tygerberg	17.10	19.00	22.10
Tygerberg_17	2020-04-08	Female	32	Tygerberg	13.90	16.40	19.00
Tygerberg_18	2020-04-08	Female	23	Tygerberg	15.60	17.70	20.60
Tygerberg_19	2020-04-08	Male	29	Tygerberg	9.80	12.80	14.30
Tygerberg_20	2020-04-09	Male	29	Northern	14.90	17.50	20.00
Tygerberg_21	2020-04-09	Female	26	Northern	19.50	20.90	23.70
Tygerberg_22	2020-04-09	Female	22	Northern	16.70	18.50	19.60
Tygerberg_23	2020-04-09	Female	40	Northern	20.00	21.70	23.40
Tygerberg_24	2020-04-09	Female	40	Northern	21.90	24.10	25.50
Tygerberg_25	2020-04-09	Female	29	Northern	22.90	24.70	26.50
Tygerberg_26	2020-04-09	Female	24	Northern	17.60	19.20	20.60
Tygerberg_27	2020-04-09	Female	32	Northern	12.10	15.20	16.90
Tygerberg_28	2020-04-09	Female	22	Northern	22.70	24.50	26.40
Tygerberg_29	2020-03-26	Male	52	Tygerberg	26.26 [#]	None	None
Tygerberg_30	2020-03-29	Male	86	Tygerberg	23.93	25.17	27.95
Tygerberg_31	2020-03-29	Male	40	Tygerberg	18.89	19.72	22.64
Tygerberg_32	2020-03-30	Female	81	Tygerberg	30.63	33.41	37.12
Tygerberg_33	2020-04-02	Male	30	Tygerberg	Unknown	Unknown	Unknown
Tygerberg_34	2020-04-03	Male	59	Tygerberg	Unknown	Unknown	Unknown
Tygerberg_35	2020-04-03	Female	58	Tygerberg	Unknown	Unknown	Unknown
Tygerberg_36	2020-04-03	Female	25	Tygerberg	Unknown	Unknown	Unknown
Tygerberg_37	2020-04-09	Female	26	Northern	22.20	24.10	26.10

Tygerberg_38	2020-04-09	Female	47	Northern	19·10	20·50	22·40
Tygerberg_39	2020-04-09	Female	41	Northern	38·18 [#]	None	None
Tygerberg_41	2020-04-08	Male	10	Eastern	28·40	29·20	31·70
Tygerberg_42	2020-04-08	Male	8	Eastern	21·80	23·50	24·80
Tygerberg_43	2020-04-07	Male	55	Eastern	24·70	26·50	27·90
Tygerberg_44	2020-04-09	Female	29	Eastern	21·60	23·50	24·80
Tygerberg_45	2020-04-08	Female	14	Eastern	22·90	24·60	27·40
Tygerberg_46	2020-04-08	Female	63	Eastern	25·90	28·10	29·00
Tygerberg_47	2020-04-08	Male	14	Eastern	22·40	24·40	26·20
Tygerberg_48	2020-04-08	Male	20	Eastern	23·20	25·00	26·70
Tygerberg_49	2020-04-08	Female	44	Eastern	33·80	37·00	37·30
Tygerberg_50	2020-04-08	Female	26	Tygerberg	29·50	31·10	34·70

* SA: travel to UK
** SA: travel to UK
*** SA: travel to Netherlands
in house PCR

Supplementary Table 2. Genome coverage and Genome Detective results for 47 sequences

Sequence Name	Begin	End	Coverage	Score	Concordance	Matches	Identities	I/D/M/F
Tygerberg_01	31	29866	99.80%	59648	99.90%	29836 (100%)	29830 (99.9%)	0/0
Tygerberg_02	31	29686	99.20%	59288	99.90%	29656 (100%)	29650 (99.9%)	0/0
Tygerberg_03	31	29776	99.50%	59468	99.90%	29746 (100%)	29740 (99.9%)	0/0
Tygerberg_04	31	29379	96.50%	57688	99.90%	28847 (100%)	28844 (99.9%)	0/0
Tygerberg_05	31	29380	97.30%	58180	99.90%	29100 (100%)	29095 (99.9%)	0/0
Tygerberg_06	31	29380	94.60%	56570	99.90%	28297 (100%)	28291 (99.9%)	0/0
Tygerberg_07	31	29869	99.80%	59650	99.90%	29839 (100%)	29832 (99.9%)	0/0
Tygerberg_08	31	29866	99.80%	59648	99.90%	29836 (100%)	29830 (99.9%)	0/0
Tygerberg_09	31	29662	98.20%	58714	99.90%	29369 (100%)	29363 (99.9%)	0/0
Tygerberg_10	31	29874	99.80%	59656	99.90%	29844 (100%)	29836 (99.9%)	0/0
Tygerberg_11	31	29394	97.40%	58206	99.90%	29115 (100%)	29109 (99.9%)	0/0
Tygerberg_12	31	29867	99.80%	59646	99.90%	29837 (100%)	29830 (99.9%)	0/0
Tygerberg_13	31	29380	92.70%	55428	99.90%	27724 (100%)	27719 (99.9%)	0/0
Tygerberg_14	31	29471	97.30%	58146	99.90%	29087 (100%)	29080 (99.9%)	0/0
Tygerberg_15	31	29873	99.80%	59662	99.90%	29843 (100%)	29837 (99.9%)	0/0
Tygerberg_16	31	29849	99.70%	59614	99.90%	29819 (100%)	29813 (99.9%)	0/0
Tygerberg_17	31	29856	99.70%	59628	99.90%	29826 (100%)	29820 (99.9%)	0/0
Tygerberg_18	31	29866	99.80%	59644	99.90%	29836 (100%)	29829 (99.9%)	0/0
Tygerberg_19	31	29877	99.80%	59666	99.90%	29847 (100%)	29840 (99.9%)	0/0
Tygerberg_20	31	29874	99.80%	59656	99.90%	29844 (100%)	29836 (99.9%)	0/0
Tygerberg_21	31	29867	99.80%	59646	99.90%	29837 (100%)	29830 (99.9%)	0/0
Tygerberg_22	31	29867	99.80%	59646	99.90%	29837 (100%)	29830 (99.9%)	0/0
Tygerberg_23	19	29614	83.90%	50138	99.90%	25077 (100%)	25073 (99.9%)	0/0

Tygerberg_24	30	29667	98.20%	58730	99.90%	29377 (100%)	29371 (99.9%)	0/0
Tygerberg_25	31	29453	97.60%	58324	99.90%	29174 (100%)	29168 (99.9%)	0/0
Tygerberg_26	31	29866	99.80%	59648	99.90%	29836 (100%)	29830 (99.9%)	0/0
Tygerberg_27	31	29874	99.80%	59652	99.90%	29844 (100%)	29835 (99.9%)	0/0
Tygerberg_28	31	29676	98.20%	58670	99.90%	29351 (100%)	29341 (99.9%)	0/0
Tygerberg_29	31	29382	97.30%	58178	99.90%	29103 (100%)	29096 (99.9%)	0/0
Tygerberg_30	31	29381	96.30%	57562	99.90%	28805 (100%)	28793 (99.9%)	0/0
Tygerberg_31	31	29455	98.00%	58574	99.90%	29299 (100%)	29293 (99.9%)	0/0
Tygerberg_32	31	29381	90.40%	54016	99.90%	27030 (100%)	27019 (99.9%)	0/0
Tygerberg_33	31	29380	94.90%	56750	99.90%	28389 (100%)	28382 (99.9%)	0/0
Tygerberg_34	31	29783	99.50%	59470	99.90%	29753 (100%)	29744 (99.9%)	0/0
Tygerberg_35	31	29381	92.20%	55096	99.90%	27560 (100%)	27554 (99.9%)	0/0
Tygerberg_36	31	29690	98.00%	58594	99.90%	29311 (100%)	29304 (99.9%)	0/0
Tygerberg_37	31	29381	92.80%	55450	99.90%	27737 (100%)	27731 (99.9%)	0/0
Tygerberg_38	31	29395	96.90%	57938	99.90%	28981 (100%)	28975 (99.9%)	0/0
Tygerberg_41	31	29384	90.80%	54264	99.90%	27148 (100%)	27140 (99.9%)	0/0
Tygerberg_42	31	29386	96.50%	57682	99.90%	28855 (100%)	28848 (99.9%)	0/0
Tygerberg_43	12	29381	92.80%	55478	99.90%	27753 (100%)	27746 (99.9%)	0/0
Tygerberg_44	31	29705	99.20%	59310	99.90%	29675 (100%)	29665 (99.9%)	0/0
Tygerberg_45	31	29383	97.30%	58182	99.90%	29105 (100%)	29098 (99.9%)	0/0
Tygerberg_46	11	29877	99.90%	59686	99.90%	29867 (100%)	29855 (99.9%)	0/0
Tygerberg_47	31	29756	97.80%	58468	99.90%	29248 (100%)	29241 (99.9%)	0/0
Tygerberg_48	31	29866	99.80%	59620	99.90%	29836 (99.9%)	29826 (99.9%)	3/0
Tygerberg_50	31	29384	91.80%	54882	99.90%	27451 (100%)	27446 (99.9%)	0/0

Supplementary Table 3. GISAID Reference ID, Clade, and lineage information

Sample_ID	GISAID ID	Collection Date	GISAID Clade	Next clade	Pangolin Lineage
Tygerberg_01	EPI_ISL_464112	2020-03-17	G	20A	B·1·8
Tygerberg_02	EPI_ISL_464113	2020-03-27	G	20A	B·1·5
Tygerberg_03	EPI_ISL_464114	2020-03-27	G	20A	B·1·5
Tygerberg_04	EPI_ISL_464115	2020-03-20	L	19A	B
Tygerberg_05	EPI_ISL_464116	2020-03-17	G	20A	B·1·8
Tygerberg_06	EPI_ISL_464117	2020-03-20	V	19A	B·2·1
Tygerberg_07	EPI_ISL_464118	2020-04-08	G	20A	B·1·8
Tygerberg_08	EPI_ISL_464119	2020-04-08	G	20A	B·1·8
Tygerberg_09	EPI_ISL_464120	2020-04-08	G	20A	B·1·8
Tygerberg_10	EPI_ISL_464121	2020-04-08	G	20A	B·1·8
Tygerberg_11	EPI_ISL_464122	2020-04-07	G	20A	B·1·8
Tygerberg_12	EPI_ISL_464123	2020-04-08	G	20A	B·1·8
Tygerberg_13	EPI_ISL_464124	2020-04-08	G	20A	B·1·8
Tygerberg_14	EPI_ISL_464125	2020-04-08	G	20A	B·1·8
Tygerberg_15	EPI_ISL_464126	2020-04-08	G	20A	B·1·8
Tygerberg_16	EPI_ISL_464127	2020-04-08	G	20A	B·1·8
Tygerberg_17	EPI_ISL_464128	2020-04-08	G	20A	B·1·8
Tygerberg_18	EPI_ISL_464129	2020-04-08	G	20A	B·1·8
Tygerberg_19	EPI_ISL_464130	2020-04-08	G	20A	B·1·8
Tygerberg_20	EPI_ISL_464131	2020-04-09	G	20A	B·1·8
Tygerberg_21	EPI_ISL_464132	2020-04-09	G	20A	B·1·8
Tygerberg_22	EPI_ISL_464133	2020-04-09	G	20A	B·1·8
Tygerberg_23	EPI_ISL_464134	2020-04-09	G	20A	B·1·5
Tygerberg_24	EPI_ISL_464135	2020-04-09	G	20A	B·1·8
Tygerberg_25	EPI_ISL_464136	2020-04-09	G	20A	B·1·8
Tygerberg_26	EPI_ISL_464137	2020-04-09	G	20A	B·1·8
Tygerberg_27	EPI_ISL_464138	2020-04-09	G	20A	B·1·8
Tygerberg_28	EPI_ISL_464139	2020-04-09	G	20A	B·1·8
Tygerberg_29	EPI_ISL_464140	2020-03-26	Other	20B	B·1·1
Tygerberg_30	EPI_ISL_464141	2020-03-29	GR	20B	B·1·1·1
Tygerberg_31	EPI_ISL_464142	2020-03-29	Other	19A	B·2·2
Tygerberg_32	EPI_ISL_464143	2020-03-30	GR	20B	B·1·1·1
Tygerberg_33	EPI_ISL_464144	2020-04-02	GR	20B	B·1·1
Tygerberg_34	EPI_ISL_464145	2020-04-03	GR	20B	B·1·1
Tygerberg_35	EPI_ISL_464146	2020-04-03	GR	20B	B·1·1
Tygerberg_36	EPI_ISL_464147	2020-04-03	GR	20B	B·1·1
Tygerberg_37	EPI_ISL_464148	2020-04-09	G	20A	B·1·8
Tygerberg_38	EPI_ISL_464149	2020-04-09	G	20A	B·1·8
Tygerberg_41	EPI_ISL_464150	2020-04-08	GR	20B	B·1·1·26
Tygerberg_42	EPI_ISL_464151	2020-04-08	GR	20B	B·1·1

Tygerberg_43	EPI_ISL_464152	2020-04-07	GR	20B	B·1·1
Tygerberg_44	EPI_ISL_464153	2020-04-09	GR	20B	B·1·1
Tygerberg_45	EPI_ISL_464154	2020-04-08	GR	20B	B·1·1
Tygerberg_46	EPI_ISL_464155	2020-04-08	GR	20B	B·1·1
Tygerberg_47	EPI_ISL_464156	2020-04-08	GR	20B	B·1·1
Tygerberg_48	EPI_ISL_464157	2020-04-08	GR	20B	B·1·1
Tygerberg_50	EPI_ISL_464158	2020-04-08	G	20A	B·1·8

Supplementary Table 4. Total number and mutations of 47 sequences

Sample_ID	Total Mutations	Mutations
Tygerberg_01	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_02	6	241C>T, 3037C>T, 14408C>T, 20268A>G, 23403A>G, 28854C>T
Tygerberg_03	6	241C>T, 3037C>T, 14408C>T, 20268A>G, 23403A>G, 28854C>T
Tygerberg_04	0	None
Tygerberg_05	5	241C>T, 3037C>T, 14408C>T, 23403A>G, 24862A>G
Tygerberg_06	6	2480A>G, 2558C>T, 11083G>T, 14805C>T, 17977C>T, 26144G>T
Tygerberg_07	7	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G, 27923C>T
Tygerberg_08	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_09	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_10	8	241C>T, 3037C>T, 5209A>G, 11674C>T, 14408C>T, 23403A>G, 24862A>G, 25996G>C
Tygerberg_11	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_12	7	241C>T, 3037C>T, 5209A>G, 13991A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_13	5	241C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_14	7	241C>T, 626G>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_15	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_16	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_17	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_18	7	241C>T, 3037C>T, 5209A>G, 9865T>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_19	7	241C>T, 3037C>T, 5209A>G, 13991A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_20	6	241C>T, 3037C>T, 5209A>G, 11674C>T, 14408C>T, 23403A>G, 24862A>G, 25996G>C
Tygerberg_21	7	241C>T, 3037C>T, 5209A>G, 9865T>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_22	7	241C>T, 3037C>T, 5209A>G, 14408C>T, 19186C>T, 23403A>G, 24862A>G
Tygerberg_23	4	241C>T, 14408C>T, 23403A>G, 24862A>G
Tygerberg_24	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_25	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_26	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_27	9	241C>T, 3037C>T, 5209A>G, 13748A>G, 14408C>T, 23403A>G, 24862A>G, 28373G>T, 29227G>T
Tygerberg_28	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_29	7	241C>T, 3037C>T, 9223C>T, 13536C>T, 28881G>A, 28882G>A, 28883G>C
Tygerberg_30	12	241C>T, 3037C>T, 4002C>T, 10097G>A, 13536C>T, 14408C>T, 23403A>G, 23731C>T, 25169C>T, 28881G>A, 28882G>A, 28883G>C
Tygerberg_31	6	1515A>G, 9223C>T, 14805C>T, 17247T>C, 18568C>T, 26144G>T
Tygerberg_32	11	241C>T, 4002C>T, 10097G>A, 13536C>T, 14408C>T, 23403A>G, 23731C>T, 25169C>T, 28881G>A, 28882G>A, 28883G>C
Tygerberg_33	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_34	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 24389A>C, 24390G>C, 28881G>A, 28882G>A, 28883G>C

Tygerberg_35	6	241C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_36	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_37	6	241C>T, 5209A>G, 7798G>T, 14408C>T, 23403A>G, 24862A>G
Tygerberg_38	6	241C>T, 3037C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G
Tygerberg_41	8	241C>T, 6037C>T, 14408C>T, 23403A>G, 25792C>T, 28881G>A, 28882G>A, 28883G>C
Tygerberg_42	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_43	7	241C>T, 14408C>T, 23403A>G, 28300G>T, 28881G>A, 28882G>A, 28883G>C
Tygerberg_44	7	241C>T, 3037C>T, 8022T>G, 14408C>T, 23403A>G, 24389A>C, 24390G>C, 28881G>A, 28882G>A, 28883G>C
Tygerberg_45	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_46	9	241C>T, 3037C>T, 6555C>G, 6560T>G, 8022T>G, 14408C>T, 23403A>G, 24389A>C, 24390G>C, 28881G>A, 28882G>A, 28883G>C
Tygerberg_47	7	241C>T, 3037C>T, 14408C>T, 23403A>G, 28881G>A, 28882G>A, 28883G>C
Tygerberg_48	7	241C>T, 3037C>T, 8022T>G, 14408C>T, 23403A>G, 24389A>C, 24390G>C, 28881G>A, 28882G>A, 28883G>C
Tygerberg_50	5	241C>T, 5209A>G, 14408C>T, 23403A>G, 24862A>G