

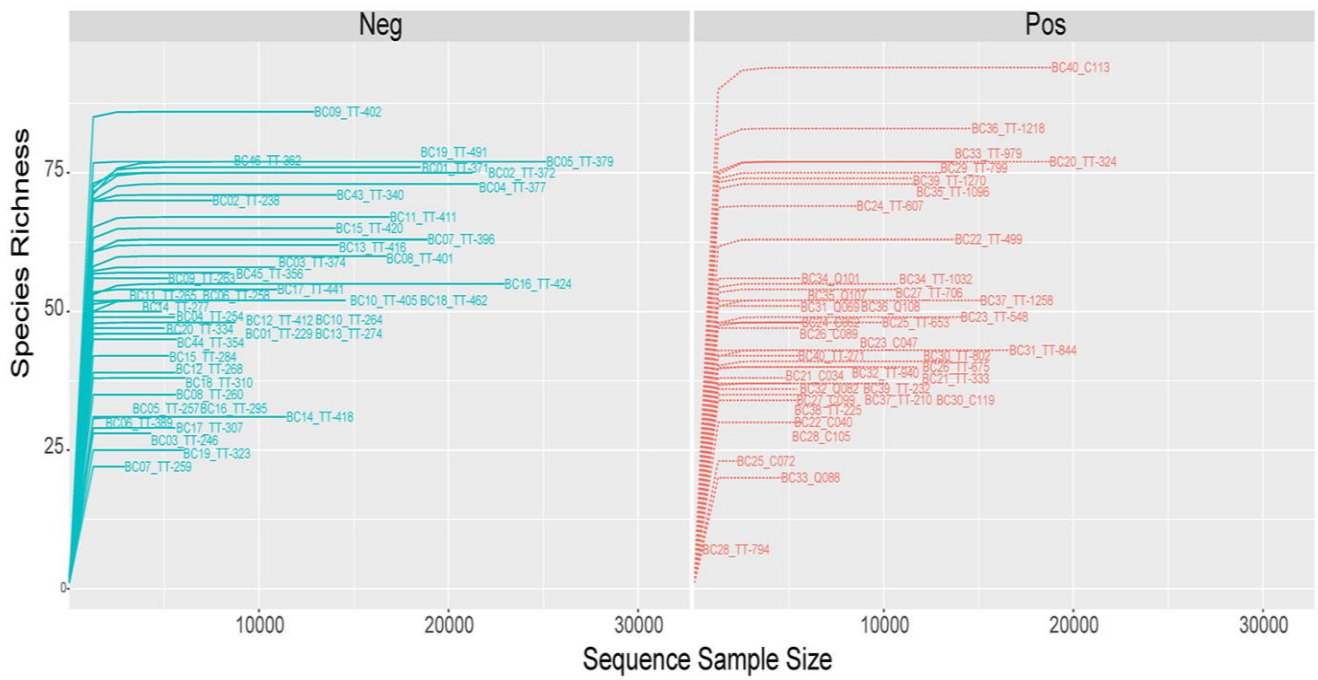
**Supplementary Table 1.** Characteristics and sequencing read data of individual (N=82)

<b>No.</b>	<b>Samples</b>	<b>Group</b>	<b>Sex</b>	<b>Age</b>	<b>Raw reads</b>	<b>Classified reads</b>	<b>% Classified reads</b>
1	TT-229	Neg	Male	34	6,171	5,927	96.0
2	TT-238	Neg	Male	38	7,991	7,548	94.5
3	TT-246	Neg	Male	40	4,951	4,421	89.3
4	TT-254	Neg	Male	40	5,990	5,569	93.0
5	TT-257	Neg	Male	36	5,649	4,929	87.3
6	TT-258	Neg	Male	32	7,239	7,058	97.5
7	TT-259	Neg	Male	36	3,217	3,049	94.8
8	TT-260	Neg	Male	38	6,139	5,633	91.8
9	TT-263	Neg	Male	39	5,957	5,232	87.8
10	TT-264	Neg	Male	34	5,974	5,624	94.1
11	TT-265	Neg	Male	33	7,617	7,108	93.3
12	TT-268	Neg	Male	40	6,054	5,605	92.6
13	TT-274	Neg	Male	38	5,944	5,713	96.1
14	TT-277	Neg	Male	32	5,214	4,933	94.6
15	TT-284	Neg	Male	40	5,468	5,271	96.4
16	TT-295	Neg	Female	37	7,255	6,847	94.4
17	TT-307	Neg	Female	38	5,961	5,583	93.7
18	TT-310	Neg	Male	38	6,292	6,125	97.3
19	TT-323	Neg	Female	36	6,120	6,010	98.2
20	TT-334	Neg	Female	39	5,278	5,083	96.3
21	TT-340	Neg	Male	32	15,164	14,103	93.0
22	TT-354	Neg	Male	36	6,208	5,697	91.8
23	TT-356	Neg	Male	32	8,715	8,467	97.2
24	TT-362	Neg	Male	36	9,496	8,709	91.7
25	TT-371	Neg	Female	35	17,925	16,368	91.3
26	TT-372	Neg	Male	35	23,221	21,298	91.7
27	TT-374	Neg	Male	36	11,556	11,023	95.4
28	TT-377	Neg	Male	33	23,507	21,746	92.5
29	TT-379	Neg	Female	36	27,000	25,452	94.3
30	TT-389	Neg	Male	39	2,697	2,351	87.2
31	TT-396	Neg	Female	35	19,475	18,968	97.4
32	TT-401	Neg	Male	40	17,164	16,845	98.1
33	TT-402	Neg	Male	39	13,711	13,078	95.4
34	TT-405	Neg	Male	33	14,506	13,000	89.6
35	TT-411	Neg	Male	33	18,040	16,906	93.7
36	TT-412	Neg	Female	40	9,966	8,800	88.3
37	TT-416	Neg	Male	40	15,614	14,220	91.1
38	TT-418	Neg	Male	34	12,371	11,442	92.5
39	TT-420	Neg	Male	34	15,439	14,092	91.3
40	TT-424	Neg	Male	34	24,520	22,954	93.6
41	TT-441	Neg	Female	39	11,680	10,968	93.9
42	TT-462	Neg	Male	36	15,552	14,654	94.2
43	TT-491	Neg	Female	34	19,515	18,523	94.9

**Supplementary Table 1. (continued)**

<b>No.</b>	<b>Samples</b>	<b>Group</b>	<b>Sex</b>	<b>Age</b>	<b>Raw reads</b>	<b>Classified reads</b>	<b>% Classified reads</b>
44	C034	Pos	Female	N.A.	5,046	4,815	95.4
45	C040	Pos	Male	35	5,722	5,290	92.5
46	C047	Pos	Male	47	6,072	5,848	96.3
47	C062	Pos	Female	27	5,833	5,688	97.5
48	C072	Pos	Female	26	2,486	2,325	93.5
49	C089	Pos	Male	45	5,856	5,580	95.3
50	C099	Pos	Male	34	5,646	5,396	95.6
51	C105	Pos	Male	19	6,067	5,673	93.5
52	C113	Pos	Female	22	19,890	18,934	95.2
53	C119	Pos	Female	29	5,318	5,122	96.3
54	Q069	Pos	Male	23	5,896	5,682	96.4
55	Q082	Pos	Female	33	5,357	5,124	95.7
56	Q088	Pos	Male	50	4,817	4,740	98.4
57	Q101	Pos	Female	58	5,942	5,653	95.1
58	Q107	Pos	Male	32	6,442	6,086	94.5
59	Q108	Pos	Female	50	5,943	5,597	94.2
60	TT-210	Pos	Male	25	6,575	5,971	90.8
61	TT-225	Pos	Male	N.A.	5,829	5,644	96.8
62	TT-232	Pos	Female	24	5,660	5,397	95.4
63	TT-271	Pos	Male	36	6,105	5,477	89.7
64	TT-324	Pos	Male	59	26,097	24,735	94.8
65	TT-333	Pos	Male	11	10,592	10,194	96.2
66	TT-499	Pos	Female	26	14,454	13,835	95.7
67	TT-548	Pos	Female	25	15,307	14,060	91.9
68	TT-607	Pos	Female	37	9,487	8,563	90.3
69	TT-653	Pos	Male	22	11,322	9,908	87.5
70	TT-675	Pos	Female	26	12,604	11,734	93.1
71	TT-706	Pos	Male	29	12,117	11,542	95.3
72	TT-794	Pos	Male	23	474	432	91.1
73	TT-799	Pos	Male	40	14,718	13,055	88.7
74	TT-802	Pos	Male	42	14,938	13,673	91.5
75	TT-844	Pos	Male	57	17,529	16,627	94.9
76	TT-940	Pos	Female	37	9,215	8,828	95.8
77	TT-979	Pos	Male	28	14,588	13,781	94.5
78	TT-1032	Pos	Male	29	11,608	10,721	92.4
79	TT-1096	Pos	Female	47	13,229	11,769	89.0
80	TT-1218	Pos	Male	26	16,027	14,853	92.7
81	TT-1258	Pos	Female	46	16,535	15,081	91.2
82	TT-1270	Pos	Male	58	13,032	11,477	88.1
<b>Average</b>					<b>9,760</b>	<b>9,161</b>	<b>93.9</b>

Neg is negative group. Pos is asymptomatic COVID-19 positive group. N.A. is not available data.



**Supplementary Figure 1.** Rarefaction curves of all the samples in both groups, including asymptomatic COVID-19 positive (pink) and negative (blue) groups.