

Table S2. Sequencing data details for each sample.

Patients ID	Gender	Age	Collection Time	Ct Value	Disease Severity	basecount/G	mapping rate	mapping reads	Coverage	4x	10x	30x	mlst	Classified	Chordate	Artificial	Unclassified	Microbial	Bacterial	Viral	Fungal	Protozoan
patients1	Female	6Years	2021/2/2	26.73	Mild	31.68	0	893	2.74	0.16	0.09	0.06		97.50%	70.20%	0.00%	2.49%	13.50%	9.43%	1.73%	0.06%	0.01%
patients2	Female	4Years and 3Months	2021/2/2	26.64	Mild	32.10	0	677	0.79	0.19	0.11	0.06		96.40%	68.30%	0.00%	3.62%	15.90%	12.70%	0.83%	0.07%	0.01%
patients3	Male	2Years	2021/2/4	26.5	Mild	50.68	0	980	3.53	0.21	0.13	0.05		98.70%	72.20%	0.00%	1.27%	12.20%	9.10%	0.73%	0.05%	0.01%
patients4	Male	1Years and 1Months	2021/2/4	25.46	Mild	49.93	0	532	2.71	0.14	0.1	0.05		99.40%	77.70%	0.00%	0.64%	6.50%	3.82%	0.38%	0.05%	0.01%
patients5	Male	1Years and 2Months	2021/3/2	25.59	Mild	79.58	0	983	8.88	0.16	0.06	0.04		99.80%	80.20%	0.00%	0.19%	3.16%	0.93%	0.10%	0.05%	0.01%
patients6	Male	2Years and 2Months	2021/3/23	26.96	Mild	36.25	0	615	1.37	0.19	0.12	0.07		96.80%	70.30%	0.00%	3.16%	13.80%	10.60%	0.73%	0.07%	0.02%
patients7	Female	1Years and 4Months	2021/5/8	26.38	Mild	13.92	0	198	0.86	0.08	0.05	0.03		99.50%	81.50%	0.00%	0.50%	4.17%	1.90%	0.12%	0.06%	0.01%
patients8	Female	2Years and 3Months	2021/5/24	25.6	Mild	28.04	0	618	3.45	0.12	0.06	0.04		99.10%	77.00%	0.00%	0.87%	4.55%	2.25%	0.13%	0.04%	0.01%
patients9	Male	4Years and 1Months	2021/6/28	23.89	Mild	26.71	0.03	61018	99.95	97.04	57.28	0.04	3	99.70%	78.70%	0.00%	0.26%	2.94%	0.70%	0.05%	0.05%	0.01%
patients10	Male	1Years and 9Months	2021/7/5	24.86	Mild	25.49	0	391	3.25	0.08	0.03	0.02		99.80%	77.40%	0.00%	0.25%	4.45%	0.78%	0.03%	0.04%	0.01%
patients11	Female	10Months and 11Days	2021/7/13	25.67	Mild	31.99	0.01	19649	95.10	45.64	1.08	0.05		99.20%	78.50%	0.00%	0.80%	6.37%	4.21%	0.08%	0.05%	0.01%
patients12	Female	5Years and 9Months	2021/7/14	25.44	Mild	32.70	0.02	46571	99.90	94	34.95	0.07		95.60%	68.40%	0.00%	4.42%	14.70%	10.60%	0.91%	0.07%	0.01%
patients13	Male	10Months and 1Days	2021/7/24	19.16	Mild	28.56	0.15	311328	100.00	99.99	99.97	98.22	3	99.70%	77.50%	0.00%	0.33%	4.03%	0.72%	0.05%	0.05%	0.01%
patients14	Male	2Years and 10Months	2021/7/25	26.43	Mild	59.58	0	2426	1.18	0.26	0.2	0.14		96.90%	56.80%	0.00%	3.15%	27.50%	23.70%	1.63%	0.06%	0.01%
patients15	Male	1Years and 10Months	2021/7/28	22.46	Mild	53.64	0.08	281717	100.00	99.99	99.89	95.63	3	99.10%	78.00%	0.00%	0.86%	5.57%	2.87%	0.27%	0.05%	0.01%
patients16	Female	4Years and 7Months	2021/7/30	25.75	Mild	56.71	0	871	1.46	0.18	0.13	0.07		98.40%	74.40%	0.00%	1.61%	8.59%	5.94%	0.49%	0.05%	0.01%
patients17	Female	6Months and 17Days	2021/8/4	26.27	Mild	10.29	0	943	1.44	0.16	0.14	0.08		93.40%	39.30%	0.00%	6.59%	46.20%	39.50%	4.87%	0.08%	0.01%
patients18	Male	2Years and 11Months	2021/8/4	26.62	Mild	10.47	0	528	1.96	0.17	0.1	0.05		95.30%	62.40%	0.00%	4.69%	19.20%	14.20%	2.08%	0.08%	0.02%
patients19	Male	8Years and 6Months	2021/3/1	26.54	Severe	44.77	0	2044	17.47	0.51	0.12	0.05		98.70%	74.50%	0.00%	1.27%	8.84%	6.03%	0.38%	0.05%	0.01%
patients20	Female	9Years and 3Months	2021/6/15	21.61	Severe	31.24	0.04	84870	99.98	99.71	85.99	0.6	3	99.80%	80.70%	0.00%	0.24%	3.55%	0.22%	0.01%	0.05%	0.01%
patients21	Male	4Years and 4Months	2021/6/24	26.42	Severe	29.92	0.02	37152	99.09	82.67	18.23	0		99.80%	80.00%	0.00%	0.15%	2.71%	0.18%	0.02%	0.05%	0.01%
patients22	Male	8Years and 5Months	2021/6/28	23.74	Severe	32.35	0.02	53810	99.33	96.54	49.25	0.08	7	93.90%	60.70%	0.00%	6.13%	22.10%	17.60%	1.72%	0.08%	0.02%
patients23	Male	1Years and 7Months	2021/7/5	23.46	Severe	58.79	0.03	124670	99.71	99.61	97.43	16.87	3	98.40%	72.50%	0.00%	1.61%	11.80%	9.18%	0.25%	0.05%	0.01%
patients24	Male	7Years and 2Months	2021/7/13	24.9	Severe	31.09	0.01	12685	85.34	21.6	0.19	0.05		98.40%	76.30%	0.00%	1.61%	7.90%	5.18%	0.25%	0.06%	0.01%
patients25	Female	5Years and 6Months	2021/7/14	24.64	Severe	24.73	0.06	94307	99.99	99.42	88.35	3.51	3	99.40%	78.80%	0.00%	0.58%	4.96%	2.56%	0.17%	0.04%	0.01%
patients26	Female	2Years and 11Months	2021/7/22	18.91	Severe	36.46	0.24	591683	100.00	100	100	99.95	3	99.60%	80.20%	0.00%	0.39%	3.95%	1.82%	0.05%	0.04%	0.01%
patients27	Female	9Years and 8Months	2021/7/22	24.43	Severe	32.71	0.03	56271	99.95	97.9	54.35	0.07	3	95.90%	70.40%	0.00%	4.12%	13.20%	9.34%	0.96%	0.07%	0.02%
patients28	Female	2Years and 7Months	2021/7/23	24.31	Severe	54.53	0.03	116974	99.35	98.95	95.47	12.2	14	99.20%	75.50%	0.00%	0.83%	8.40%	6.01%	0.36%	0.05%	0.01%
patients29	Female	2Years	2021/7/29	25.12	Severe	58.43	0	540	1.50	0.16	0.11	0.05		99.50%	79.20%	0.00%	0.45%	4.24%	1.99%	0.22%	0.04%	0.01%
patients30	Male	3Years and 1Months	2021/7/30	26.56	Severe	58.18	0	1476	1.38	0.22	0.15	0.08		97.50%	69.00%	0.00%	2.46%	13.60%	10.80%	0.64%	0.06%	0.01%
patients31	Male	7Years and 9Months	2021/8/3	26.74	Severe	35.36	0.02	51345	99.24	94.57	44.73	0.01	14	99.90%	81.50%	0.00%	0.12%	2.57%	0.18%	0.01%	0.05%	0.01%
patients32	Male	3Years and 11Months	2021/8/3	24.78	Severe	33.71	0.11	258412	100.00	100	99.97	96.47	3	99.80%	80.90%	0.00%	0.16%	2.88%	0.49%	0.01%	0.05%	0.01%
patients33	Female	4Years and 5Months	2021/8/10	24.81	Severe	112.03	0	36109	98.34	78.22	17.65	0.01		99.60%	81.70%	0.00%	0.36%	4.52%	0.20%	0.02%	0.05%	0.01%
patients34	Female	4Years and 8Months	2021/8/14	26.58	Severe	31.89	0	3806	42.06	1.71	0	0		99.90%	82.10%	0.00%	0.15%	2.41%	0.16%	0.02%	0.05%	0.01%
patients35	Male	1Months and 11Days	2021/8/14	26.27	Severe	32.28	0	181	2.42	0.01	0	0		99.80%	80.80%	0.00%	0.17%	2.66%	0.17%	0.02%	0.05%	0.01%
patients36	Male	5Years and 3Months	2021/8/25	22.77	Severe	59.38	0	86571	99.32	98.72	86.69	1.61	14	99.90%	81.40%	0.00%	0.13%	2.44%	0.18%	0.01%	0.05%	0.01%
patients37	Male	12Years and 5Months	2021/8/26	22.11	Severe	30.01	0.03	66669	99.99	98.9	69.22	0.03	3	99.80%	80.20%	0.00%	0.20%	2.69%	0.27%	0.02%	0.06%	0.01%
patients38	Male	1Years and 2Months	2021/8/27	25.42	Severe	11.76	0	224	2.98	0	0	0		99.90%	80.90%	0.00%	0.11%	2.45%	0.18%	0.01%	0.05%	0.01%
patients39	Male	10Years and 7Months	2021/8/30	23.43	Severe	34.67	0	7801	64.66	8.75	0.01	0		99.80%	80.60%	0.00%	0.16%	2.63%	0.16%	0.02%	0.05%	0.01%
patients40	Female	9Months and 28Days	2021/4/15	26.78	Severe	33.61	0.03	78745	99.98	99.42	82.36	0.24	3	99.80%	82.20%	0.00%	0.18%	2.57%	0.22%	0.01%	0.05%	0.01%
patients41	Female	2Years and 3Months	2021/5/7	38.32	Severe	8.08	0.01	6284	58.59	2.6	0	0		99.70%	74.40%	0.00%	0.30%	2.31%	0.07%	0.01%	0.00%	0.00%
patients42	Female	7Years and 11Months	2021/7/6	30.92	Severe	11.45	0.01	8152	62.70	5.21	0	0		99.80%	76.30%	0.00%	0.23%	2.10%	0.02%	0.01%	0.00%	0.00%
patients43	Male	2Months and 6Days	2021/4/19	30.09	Severe	11.25	0.02	15131	80.07	15.87	0.1	0	3	99.70%	75.70%	0.00%	0.25%	2.21%	0.03%	0.01%	0.00%	0.00%
patients44	Female	11Years and 6Months	2021/5/24	25.73	Severe	13.06	0.08	65726	99.30	88.83	29.79	0	3	99.80%	77.20%	0.00%	0.25%	2.22%	0.11%	0.01%	0.00%	0.00%
patients45	Female	9Years and 8Months	2021/6/28	27.13	Severe	14.84	0.12	114532	99.96	99.26	82.23	0.56	3	99.80%	75.70%	0.00%	0.25%	3.44%	0.15%	0.01%	0.00%	0.00%
patients46	Female	10Years and 10Months	2021/5/4	15.57	Severe	11.63	11.43	8860053	100.00	100	100	99.77	3	99.60%	65.10%	0.00%	0.42%	15.50%	13.00%	0.02%	0.00%	0.00%