

S1 Table. Summary of sequencing metrics

No	Sample type	Time point	Total reads	Aligned (%)	Dup rate (%)	Unique reads	Mean target coverage	On-target rate (%)
1	cfDNA	S001	40,399,590	87.5	50.2	17,580,064	2,555.15	16.57
1	cfDNA	S002	36,468,790	92.2	57.7	14,221,322	1,857.91	12.67
1	WBC	N001	77,530,576	98.0	65.6	26,126,220	3,298.32	9.93
2	cfDNA	S001	87,553,426	84.0	75.8	17,745,680	3,463.13	10.9
2	cfDNA	S002	24,011,972	96.9	24.2	17,630,698	3,314.12	32.6
2	WBC	N001	55,826,506	97.8	35.7	35,086,722	5,445.01	22.86
3	cfDNA	S001	82,646,210	93.7	63.0	28,662,768	4,375.27	12.93
3	cfDNA	S002	88,135,870	97.6	63.9	30,997,900	4,549.44	12.11
3	cfDNA	S003	97,026,828	90.4	74.5	22,307,668	3,039.62	7.93
3	WBC	N001	83,399,402	97.8	65.6	28,016,356	3,920.69	11.01
4	cfDNA	S001	71,046,446	61.1	72.3	16,952,828	3,313.72	12.54
4	cfDNA	S002	22,200,908	20.0	25.2	14,992,718	2,942.12	33.59
4	cfDNA	S003	29,098,320	28.1	33.6	18,695,894	3,640.25	19.7
4	WBC	N001	78,239,428	76.6	36.4	48,703,104	7,527.56	22.54
5	cfDNA	S001	24,421,364	20.3	75.1	5,054,018	981.86	11.17
5	cfDNA	S002	28,110,102	27.5	27.6	19,955,140	3,690.56	30.64
5	cfDNA	S003	30,662,202	26.2	33.1	17,562,058	3,224.69	18.85
5	WBC	N001	62,582,648	61.2	53.4	28,481,122	4,410.52	16.53
6	cfDNA	S001	83,746,040	82.6	56.1	30,403,648	5,510.63	9.73
6	cfDNA	S002	103,929,328	82.8	58.5	35,635,748	6,285.04	8.92
6	WBC	N001	70,201,286	97.9	51.7	33,155,058	4,387.65	7.73
7	cfDNA	S001	87,731,594	74.1	59.3	30,185,834	5,700.1	17.61
7	cfDNA	S002	71,986,890	60.3	59.5	24,391,804	4,800.2	18.41
7	cfDNA	S003	26,945,342	24.3	33.3	16,243,498	3,112.13	19.58
7	cfDNA	S004	36,809,406	31.6	33.3	21,129,056	3,821.01	18.58
7	WBC	N001	71,297,794	69.8	51.3	33,992,072	4,937.82	16.22
8	cfDNA	S001	151,192,036	91.4	55.3	61,801,850	11,034.64	9.75
8	cfDNA	S002	36,464,014	94.3	31.4	23,603,808	4,691.56	20.74
8	cfDNA	S003	36,013,380	84.0	33.8	20,027,360	3,729.97	18.76
8	WBC	N001	71,041,708	98.3	50.7	34,425,260	4,878.71	8.57
9	cfDNA	S001	30,886,186	89.9	50.8	13,646,984	2606.89	21.71
9	cfDNA	S002	58,624,978	93.7	49.4	27,774,668	5299.95	22.3

9	cfDNA	S003	27,375,156	26.5	32.7	17,835,156	3,597.72	20.61
9	WBC	N001	70,325,310	98.5	47.2	36,569,052	6,052.23	20.19
10	cfDNA	S001	47,292,918	83.2	50.3	19,547,288	3,758.92	22.07
10	cfDNA	S002	54,934,328	87.4	47.8	25,039,968	4,485.48	21.6
10	cfDNA	S003	33,087,268	96.9	34.3	21,066,752	4,166.36	19.73
10	WBC	N001	67,336,636	98.3	46.6	35,311,616	5,764.96	20.13
11	cfDNA	S001	146,950,068	85.3	53.8	57,933,918	11,339.57	20.91
11	cfDNA	S002	124,707,764	85.5	53.0	50,058,256	9,729.34	21.09
11	cfDNA	S003	35,405,426	28.8	27.3	20,945,250	3,936.88	20.86
11	WBC	N001	81,105,756	97.8	48.6	40,735,528	6,383.77	18.6
12	cfDNA	S001	97,219,714	84.0	49.7	41,053,806	8,092.41	22.9
12	cfDNA	S002	90,908,584	84.4	48.5	39,491,190	7,796.83	23.47
12	cfDNA	S003	36,419,760	81.3	30.1	20,691,320	3,957.32	20.35
12	WBC	N001	78,390,622	97.9	49.8	38,472,046	6,164.51	18.58
13	cfDNA	S001	125,854,594	89.1	48.1	58,137,510	11,006.66	22.69
13	cfDNA	S002	57,753,856	83.8	42.0	28,057,448	5,213.66	16.45
13	cfDNA	S003	39,365,014	73.5	29.1	20,503,880	3,739.7	19.72
13	cfDNA	S004	30,746,278	88.3	29.9	19,034,980	3,750.07	20.99
13	WBC	N001	71,325,116	97.9	48.9	35,642,104	5,649.45	18.71
14	cfDNA	S001	79,664,774	84.7	74.0	17,555,848	3,434.1	11.77
14	cfDNA	S002	44,361,714	94.1	41.5	24,426,244	4,653.46	25.55
14	WBC	N001	55,923,828	97.8	35.8	35,095,272	5,415.81	22.7
15	cfDNA	S001	119,296,168	83.7	51.5	48,367,000	9,551.61	22.13
15	cfDNA	S002	142,112,120	89.4	52.1	60,867,868	12,006.2	21.84
15	cfDNA	S003	38,091,576	31.3	29.3	22,169,228	4,166	20.23
15	cfDNA	S004	36,887,726	32.6	31.0	22,548,222	4,249.26	19.8
15	WBC	N001	68,583,724	98.4	46.6	36,015,682	5,974.18	20.46
16	cfDNA	S001	117,959,520	86.1	50.0	50,812,642	9,917.09	22.56
16	WBC	N001	66,455,294	98.4	47.0	34,626,906	5,668.53	20.03
17	cfDNA	S001	85,933,556	85.3	53.6	34,019,966	6,666.58	21.02
17	cfDNA	S002	75,381,364	83.7	53.0	29,634,522	5,732.05	21
17	cfDNA	S004	37,586,872	31.2	27.3	22,716,926	4,224.23	20.78
17	WBC	N001	81,039,888	97.8	49.7	39,888,770	6,306.54	18.39
18	cfDNA	S001	41,839,300	85.5	25.9	30,998,942	4,729.37	20.16
18	cfDNA	S002	28,721,610	85.3	27.1	20,915,666	3,130.22	19.56
18	WBC	N001	27,812,498	98.0	42.1	16,087,402	3,235.16	18.35

19	cfDNA	S001	27,644,958	23.5	23.4	18,021,430	3,543.66	23.19
19	WBC	N001	43,100,288	42.1	38.6	25,827,034	5,614.53	20.42
20	cfDNA	S001	45,791,292	41.4	24.1	31,465,962	6,086.31	22.57
20	WBC	N001	42,991,316	42.1	35.9	26,989,952	5,822.95	21.17
21	cfDNA	S001	75,964,982	85.8	74.9	16,307,632	3,091.82	10.98
21	cfDNA	S002	72,596,404	83.9	48.8	31,182,778	6,109.67	22.95
21	cfDNA	S003	41,474,090	90.8	29.8	26,431,122	4,656.47	18.92
21	WBC	N001	69,177,030	97.6	53.3	31,503,860	4,811.75	16.34
22	cfDNA	S001	26,699,264	89.3	34.7	17,424,628	2,978.24	19.02
22	cfDNA	S002	50,056,048	92.0	37.5	31,256,632	5,435.34	17.93
22	WBC	N001	32,184,848	98.3	44.8	17,744,826	3,686.15	17.98
23	cfDNA	S001	88,433,930	82.9	42.8	41,881,074	5,134.4989	16.2
23	cfDNA	S002	89,910,774	83.0	43.4	42,208,992	5,406.5204	16.76
23	cfDNA	S003	84,375,644	83.5	68.4	22,260,170	3,585.7408	11.77
23	cfDNA	S004	77,703,714	97.2	37.3	47,317,498	7,457.9933	23.24
23	WBC	N001	81,731,610	85.5	42.9	39,887,630	4,756.7551	15.76
24	cfDNA	S001	72,587,052	64.8	42.5	37,219,226	4,261.16	15.25
24	cfDNA	S002	65,829,494	56.3	43.8	31,633,856	3,663.97	15.12
24	cfDNA	S003	100,473,388	90.2	39.3	54,673,516	8,965.5	23.01
24	cfDNA	S004	34,337,944	29.5	36.2	18,806,426	3,359.71	17.83
24	WBC	N001	81,033,738	79.0	37.8	49,134,040	7,837.08	23.3
25	cfDNA	S001	101,687,988	92.8	72.9	25,091,418	4,826.19	12.05
25	cfDNA	S002	91,245,420	75.5	55.2	33,824,090	5,336.48	16.23
25	cfDNA	S003	43,336,570	35.1	34.2	23,086,706	4,484.8	19.5
25	cfDNA	S004	35,291,526	31.8	32.3	21,524,776	3,569.36	17.31
25	WBC	N001	54,121,292	52.2	33.2	34,859,290	5,952.42	26.93
26	cfDNA	S001	98,245,420	92.6	74.8	22,910,846	4,254.49	10.84
26	cfDNA	S002	44,728,206	86.3	42.3	22,241,244	4,359	25.86
26	cfDNA	S003	34,369,786	87.1	34.4	19,631,888	3,429.02	17.65
26	cfDNA	S004	48,555,482	85.2	34.8	26,971,222	4,990.32	18.44
26	cfDNA	S005	30103,982	92.1	36.1	17,724,476	3,467.29	19.08
26	WBC	N001	56,454,662	97.9	35.4	35,710,002	5,521.74	22.91
27	cfDNA	S001	85,610,436	71.4	57.2	30,521,958	6,082.15	19.7
27	cfDNA	S002	48,761,328	40.8	49.7	20,527,776	4,055.25	22.74
27	cfDNA	S003	26,645,286	21.8	33.1	14,620,160	2,706.02	19.04
27	cfDNA	S004	31,668,846	26.1	35.0	17,002,350	3,137.62	18.35

27	WBC	N001	69,601,630	68.0	53.2	31,821,960	4,772.99	16.1
28	cfDNA	S001	41,904,910	40.7	53.5	18,927,288	3,582.59	20.34
28	cfDNA	S002	81,686,046	67.5	49.9	33,794,306	6,591.18	22.35
28	cfDNA	S003	41,002,642	33.8	34.2	22,270,612	4,133.25	18.64
28	cfDNA	S004	40,297,960	33.9	32.5	22,885,922	4,179.86	18.91
28	WBC	N001	77,840,294	76.2	51.7	36,798,404	5,528.68	16.64
29	cfDNA	S001	95,960,934	82.6	58.3	34,451,156	6,746.07	18.69
29	cfDNA	S002	102,682,258	85.8	51.4	41,655,038	8,153.73	21.98
29	cfDNA	S003	41,688,714	34.6	33.4	23,091,382	4,309.52	18.98
29	cfDNA	S004	38,702,488	36.6	31.3	25,175,490	5,133.53	21.3
29	WBC	N001	74,483,072	72.6	51.3	35,355,176	5,318.07	16.8
30	cfDNA	S001	87,263,206	71.5	46.4	38,234,800	6,520.51	20.89
30	cfDNA	S002	49,667,258	36.4	52.6	17,286,058	2,112.5	13.27
30	cfDNA	S003	34,610,452	28.4	33.3	18,925,540	3,587.43	19.3
30	WBC	N001	53,328,084	52.1	51.4	25,339,792	3,856.9	16.96
31	cfDNA	S001	73,952,162	55.3	50.5	27,409,156	3,433.84	14.22
31	cfDNA	S002	65,585,590	52.4	52.0	25,125,276	2,988.88	13.07
31	cfDNA	S003	28,547,976	26.8	31.6	18,388,298	3,770.31	21.31
31	WBC	N001	83,321,476	81.0	50.1	40,434,924	5,609.56	16.16
32	cfDNA	S001	100,507,916	86.7	50.6	43,033,542	5,319.32	13.99
32	cfDNA	S002	65,169,840	79.0	50.0	25,730,304	2,984.19	13.39
32	cfDNA	S003	37,631,962	81.7	31.9	20,947,918	3,920.54	19.44
32	cfDNA	S004	41,828,824	97.1	30.4	28,277,504	5,816.27	21.68
32	WBC	N001	76,960,534	97.0	49.4	37,752,320	5,229.54	16.35
34	cfDNA	S001	67,347,128	87.4	37.6	41,996,356	6,319.81	16.4
34	cfDNA	S002	53,731,634	90.5	36.8	33,947,206	5,785.46	18.11
34	cfDNA	S004	38,485,936	34.5	27.6	25,036,306	5,100.72	22.37
34	WBC	N001	33,828,088	98.2	39.5	20,445,706	4,240.22	19.76
35	cfDNA	S001	30,655,880	83.8	34.9	16,730,860	3,199.52	19.05
35	cfDNA	S002	29,952,796	90.4	35.7	17,399,612	3,507.48	19.72
35	WBC	N001	25,126,754	98.2	40.4	14,687,446	3,132.43	19.64
36	cfDNA	S001	26,716,590	84.0	27.2	16,346,882	3,086.79	21.1
36	WBC	N001	2,547,358	75.0	39.1	1,163,350	219.26	18.1
37	cfDNA	S001	32,913,232	83.2	24.2	20754,302	3,903.55	21.87
37	WBC	N001	51,893,604	97.8	41.2	29797,032	6,257.58	18.9
38	cfDNA	S001	33,661,024	28.2	22.7	21848,230	4,149.68	22.5

38	cfDNA	S001	45,328,816	41.6	22.2	32,375,164	6,070.76	22.75
38	WBC	N001	53,666,878	52.6	38.8	32,214,790	6,904.34	20.12
38	WBC	N001	44,608,522	43.6	40.4	25,952,688	5,542.76	19.48
39	cfDNA	S001	33,573,164	28.6	22.6	22,161,986	4,116.2	22.21
39	WBC	N001	45,307,236	44.1	39.3	26,824,668	5,723.4	19.86
40	cfDNA	S001	50,716,552	85.9	52.8	20,570,958	4,000.26	21.22
40	WBC	N001	85,121,674	98.4	52.0	40,222,524	6,708.33	18.51
41	cfDNA	S001	22,377,606	84.4	41.2	11,108,022	2,099	16.95
41	cfDNA	S002	47,865,826	89.5	37.3	26,856,666	4,918.62	17.65
41	WBC	N001	26,562,174	97.9	39.5	15,734,008	3,353.95	19.91
42	cfDNA	S001	58,334,304	87.7	34.8	33,354,346	5,439.96	16.34
42	WBC	N001	23,957,860	98.4	44.5	13,086,312	2,783.99	18.28
43	cfDNA	S001	22,615,746	85.3	28.1	13,877,364	2,688.59	21.19
43	cfDNA	S002	36,099,002	93.1	28.8	23,946,366	4,839.9	21.88
43	WBC	N001	30,000,016	98.2	45.2	16,154,488	3,494.64	18.31
44	cfDNA	S001	22,437,988	19.8	22.6	15,322,900	3,059.03	23.64
44	WBC	N001	47,978,268	46.8	39.9	28,095,896	5,967.62	19.53
45	cfDNA	S001	106,074,548	85.0	38.0	55,870,486	1,0410.35	26.7
45	cfDNA	S003	79,650,972	68.4	65.7	23,448,658	3,937.84	13.31
45	WBC	N001	54,087,802	96.9	33.7	34,736,710	5,758.36	26
46	cfDNA	S001	44,531,100	83.2	51.1	18,124,546	2,650.78	16.4
46	cfDNA	S002	37,234,192	94.2	50.4	17,391,116	2,472.04	16.15
46	cfDNA	S003	41,401,278	90.9	49.7	18,928,336	2,486.49	15.14
46	WBC	N001	93,910,258	97.7	67.1	30,126,494	3,946.25	9.85
47	cfDNA	S001	110,638,592	89.4	54.3	45,130,484	8,663.34	20.25
47	cfDNA	S002	58,389,380	88.2	45.2	28,194,948	5,354.36	16.18
47	WBC	N001	78,987,304	98.4	50.3	38,644,656	6,308.54	18.76
48	cfDNA	S001	95,567,070	91.5	65.7	29,932,382	4,606.55	12.06
48	cfDNA	S002	48,886,424	96.0	73.7	12,330,984	1,549.1	7.55
48	cfDNA	S003	94,803,146	87.0	64.8	29,022,974	4,434.58	12.3
48	cfDNA	S004	100,828,348	96.3	62.4	36,504,492	5,320.77	12.53
48	WBC	N001	93,905,000	97.7	67.0	30,223,150	3,982.03	9.93
49	cfDNA	S001	38,709,920	97.4	29.1	27,425,732	5,231.27	21.08
49	cfDNA	S002	32,095,570	88.0	30.6	22,266,532	3,280.52	17.74
49	WBC	N001	44,339,844	98.4	42.3	25,571,432	5,189.65	18.4
50	cfDNA	S001	38,292,796	85.0	26.6	23,913,734	3,946.08	18.55

50	cfDNA	S002	35,661,664	82.2	29.1	20,792,378	3,780.54	19.63
50	WBC	N001	58,175,368	98.3	42.8	32,701,814	6,920.73	18.92
51	cfDNA	S001	23,934,474	94.4	40.1	14,326,112	2,687.21	18.09
51	cfDNA	S002	25,159,616	97.2	41.8	14,632,114	2,893.58	17.99
51	WBC	N001	35,982,660	98.2	43.7	20,236,056	4,216.18	18.42
52	cfDNA	S001	86,599,842	75.1	73.3	20,078,142	4,007.1	12.33
52	cfDNA	S002	34,054,910	29.6	25.4	22,089,418	4,395.75	33.98
52	cfDNA	S003	42,633,894	34.8	31.8	23,712,836	4,555.83	19.95
52	WBC	N001	72,673,810	70.9	54.1	32,533,812	5,027.18	16.25
53	cfDNA	S001	91,133,556	79.4	76.0	19,029,768	3,747.96	10.92
53	cfDNA	S002	67,672,116	66.1	48.2	34,245,914	6,405.3	22.18
53	cfDNA	S004	30,333,904	29.5	33.4	19,603,088	3,886.41	20.14
53	WBC	N001	63,120,122	61.5	54.0	28,327,732	4,402.1	16.4
54	cfDNA	S001	80,335,658	86.0	68.3	21,913,272	2,631.992	8.81
54	cfDNA	S002	78,800,190	85.5	67.0	22,211,946	2,840.6988	9.75
54	cfDNA	S003	119,886,526	97.4	55.8	51,650,913	7,535.5466	15.18
54	WBC	N001	73,775,138	83.8	69.9	18,559,306	1,383.9464	5.18
55	cfDNA	S001	83,848,120	84.6	67.2	23,230,762	3,868.79	12.62
55	WBC	N001	55,014,096	98.2	51.4	26,230,954	4,080.22	17.48
57	cfDNA	S001	95,220,368	84.5	55.1	36,121,754	7,066.77	20.29
57	cfDNA	S003	100,175,704	89.8	53.0	42,255,208	8,163.27	20.98
57	WBC	N001	81,375,266	98.2	50.9	39,229,858	6,418.63	18.56
58	cfDNA	S001	42,444,968	36.8	30.2	25,655,040	4,946.22	20.64
58	WBC	N001	56,265,424	55.0	36.8	34,785,656	7,521.49	20.94
61	cfDNA	S001	70,570,900	61.0	72.2	16,903,388	3,233.56	12.28
61	cfDNA	S002	51,470,264	45.2	41.4	26,463,438	5,185.79	26.28
61	cfDNA	S003	45,043,320	37.0	33.7	24,548,676	4,570.91	18.89
61	cfDNA	S004	50,590,944	43.8	32.3	29,618,018	5,164.1	18.22
61	WBC	N001	52,332,304	50.9	35.0	33,136,214	4,960.71	22.32
62	cfDNA	S001	52,301,786	85.1	50.3	22,108,102	4,286.6352	22.05
62	cfDNA	S002	82,485,126	97.6	53.5	37,455,716	5,783.8983	16.47
62	WBC	N001	97,522,802	87.0	73.1	22,794,456	4,468.7965	12.19
63	cfDNA	S001	86,579,338	84.5	54.7	33,118,732	6,483.05	20.48
63	WBC	N001	72,389,654	98.3	50.1	35,514,414	5,730.27	18.6
64	cfDNA	S001	43,341,848	96.9	22.2	32,667,036	6,634.9	24.43
64	WBC	N001	47,304,448	97.9	36.4	29,434,642	6,444.31	21.32

65	cfDNA	S001	70,810,474	83.8	59.7	23,879,176	4,810.11	9.8
65	cfDNA	S002	57,190,032	90.6	57.9	21,801,486	3,850.77	9.08
65	WBC	N001	69,448,202	97.8	51.7	32,769,844	4,167.97	7.43
66	cfDNA	S001	107,191,966	81.8	54.6	39,789,378	7,910.08	20.86
66	WBC	N001	88,629,508	98.3	50.4	43,190,774	7,031.99	18.65
67	cfDNA	S001	52,641,470	84.4	54.6	20,175,466	3,998.23	20.8
67	WBC	N001	81,220,154	98.4	50.6	39,508,714	6,509.59	18.82
68	cfDNA	S001	86.27	51.7	26.3	51.04	21.93	93.67
68	cfDNA	S002	97.72	51.8	38.2	48.68	16.72	92.44
68	WBC	N001	94.74	56.2	20.1	50.44	18.76	93.31
69	cfDNA	S001	83.23	52.2	31.2	51.19	21.57	94.22
69	cfDNA	S002	97.62	51.9	34.8	48.31	16.65	92.5
69	WBC	N001	85.14	57.3	20.7	54.27	19.06	92.79
70	cfDNA	S001	50,281,710	97.0	48.6	25,074,160	3,704.47	9.18
70	cfDNA	S002	81,028,120	84.8	51.2	33,472,574	5,891.89	10.48
70	WBC	N001	68,099,132	97.9	51.2	32,518,510	4,366.64	7.93
71	cfDNA	S001	37,138,310	83.0	36.9	23,418,924	3,319.62	16.42
71	cfDNA	S002	63,225,428	85.8	38.5	38,823,630	5,579.12	15.63
71	WBC	N001	38,040,852	98.1	44.0	21,275,008	4,391.46	18.19
72	cfDNA	S001	56,569,124	84.6	35.8	36,302,686	4,737.99	15.22
72	WBC	N001	48,058,092	98.2	42.5	27,600,464	5,777.82	18.96
73	cfDNA	S001	112,431,898	82.4	54.1	42,522,496	8,307.01	20.73
73	cfDNA	S002	84,785,044	93.7	53.8	36,637,974	7,017.33	20.42
73	WBC	N001	78,301,262	98.6	47.5	40,523,118	6,775.84	20.3
74	cfDNA	S001	62,507,688	83.9	52.4	24,957,646	4,730.39	20.85
74	WBC	N001	84,093,338	98.5	47.3	43,649,088	7,166.46	20
75	cfDNA	S001	109,780,814	86.4	54.2	43,466,538	8,612.64	20.98
75	cfDNA	S002	90,681,670	90.0	53.0	38,294,552	7,452.09	21.12
75	WBC	N001	74,337,668	98.4	47.7	38,196,586	6,258.86	19.8
76	cfDNA	S001	46,831,026	74.1	53.9	16,008,134	2,991.68	19.91
76	WBC	N001	69,850,148	98.4	46.9	36,502,974	5,977.54	20.11
77	cfDNA	S001	43,500,904	83.4	36.8	27,469,382	3,931.89	16.5
77	WBC	N001	28,758,152	98.3	44.4	15,968,586	3,343.35	18.35
78	cfDNA	S001	79,186,490	97.8	51.5	37,541,060	6,861.21	20.49
78	WBC	N001	64,106,654	97.9	49.0	31,968,308	5,112.1	18.83
79	cfDNA	S001	77,262,006	82.9	54.1	29,398,336	5,778.79	20.85

79	cfDNA	S002	87,596,444	95.1	50.4	41,284,964	7,828.16	21.74
79	WBC	N001	69,547,254	97.8	48.6	34,950,400	5,486.26	18.65
80	cfDNA	S001	42,267,364	87.4	37.7	26,319,856	4,190.89	17.35
80	WBC	N001	37,742,216	98.2	43.6	21,271,688	4,390.15	18.3
81	cfDNA	S001	95,844,806	84.7	48.6	41,722,752	8,013.79	22.81
81	cfDNA	S002	105,185,106	88.5	47.5	48,886,054	9,322.47	23.14
81	WBC	N001	72,309,124	98.1	48.6	36,436,590	5,792.24	18.88
82	cfDNA	S001	41,517,314	89.7	37.1	26,089,784	4,141.1	16.98
82	cfDNA	S002	44,577,910	86.8	34.3	29,255,466	4,679.25	18.45
82	WBC	N001	34,768,794	98.2	44.0	19,471,262	4,102.14	18.54
83	cfDNA	S001	30,878,836	83.3	32.6	20,801,964	2,974.01	17.67
83	cfDNA	S002	32,121,748	83.6	35.2	20,799,906	2,834.13	16.14
83	WBC	N001	31,788,600	98.3	36.5	20,160,014	4,243.13	20.99
84	cfDNA	S001	32,760,660	83.5	38.7	16,775,510	3,120.6	17.42
84	cfDNA	S002	48,973,056	82.7	38.9	24,743,072	4,602.57	17.34
84	WBC	N001	36,631,876	98.2	38.4	22,160,798	3,325.6	14.4
85	cfDNA	S001	41,771,464	86.7	27.8	30,123,530	4,787.35	20.14
85	cfDNA	S002	34,901,324	83.4	26.7	25,559,262	3,773.85	19.77
85	WBC	N001	40,242,348	98.2	41.0	23,724,050	4,841.89	18.97
86	cfDNA	S001	41,207,906	91.3	29.1	29,195,124	4,600.23	18.87
86	WBC	N001	42,567,096	98.3	42.4	24,483,316	4,974.47	18.42
87	cfDNA	S001	30,506,366	85.0	30.5	21,191,344	2,861.66	16.89
87	WBC	N001	39,386,866	98.4	44.9	21,700,920	4,447.87	17.73
88	cfDNA	S001	34,475,822	83.7	29.8	24,173,404	3,179.67	16.84
88	cfDNA	S002	50,521,986	83.0	29.3	35,706,970	4,634.47	16.88
88	WBC	N001	38,898,736	98.3	41.5	22,739,518	4,749.67	19.2
89	cfDNA	S001	31,483,088	84.4	30.3	21,916,602	2,916.04	16.83
89	cfDNA	S002	29,200,912	73.5	27.5	21,145,372	2,244.59	15.91
89	WBC	N001	30,411,636	98.4	44.1	16,995,344	3,558.09	18.45
90	cfDNA	S001	36,669,972	88.4	24.1	27,832,084	4,100.74	19.9
90	cfDNA	S002	24,754,782	83.7	23.4	18,960,308	2,808.41	20.67
90	WBC	N001	32,824,818	98.5	46.8	17,440,666	3,571.43	17.12
91	cfDNA	S001	35,083,882	84.3	23.0	26,990,776	3,844.03	19.88
91	WBC	N001	1,280,200	59.6	21.8	1,000,192	90.02	18.51
92	cfDNA	S001	35,797,018	29.5	24.1	22,438,206	4,399.64	22.73
92	WBC	N001	48,612,574	47.4	40.7	28,158,528	6,068.64	19.59

93	cfDNA	S001	34,199,192	31.8	24.6	24,040,762	4,906.79	23.54
93	WBC	N001	41,059,120	40.1	37.4	25,117,234	5,476.11	20.92
94	cfDNA	S001	38,634,680	35.8	24.7	26,989,942	5,394.8	22.99
94	WBC	N001	46,787,376	45.8	37.2	28,760,168	6,178.65	20.67

cfDNA, cell-free DNA; WBC, white blood cell.