CGD samples

John K. Everett

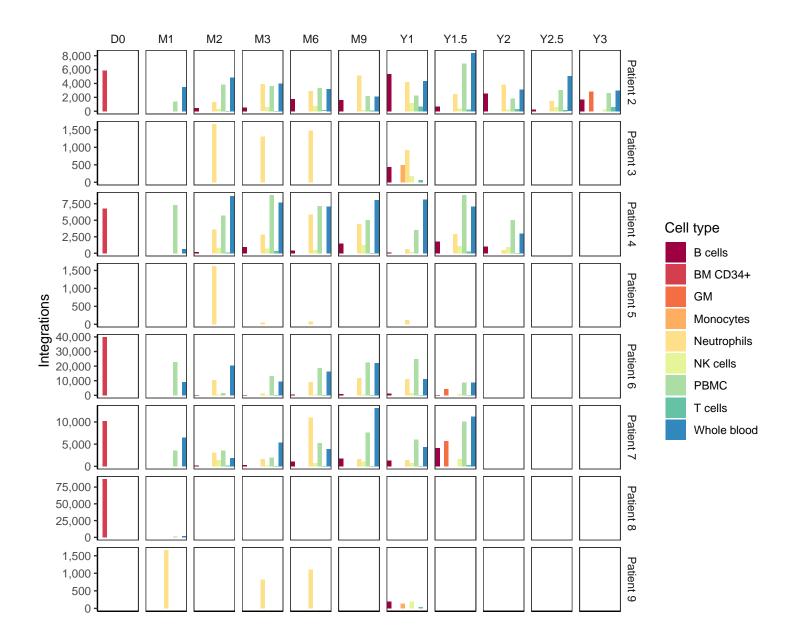
 $September\ 2019$

Project interface

Individual patient reports and a detailed account of received sample can be found via this (Link).

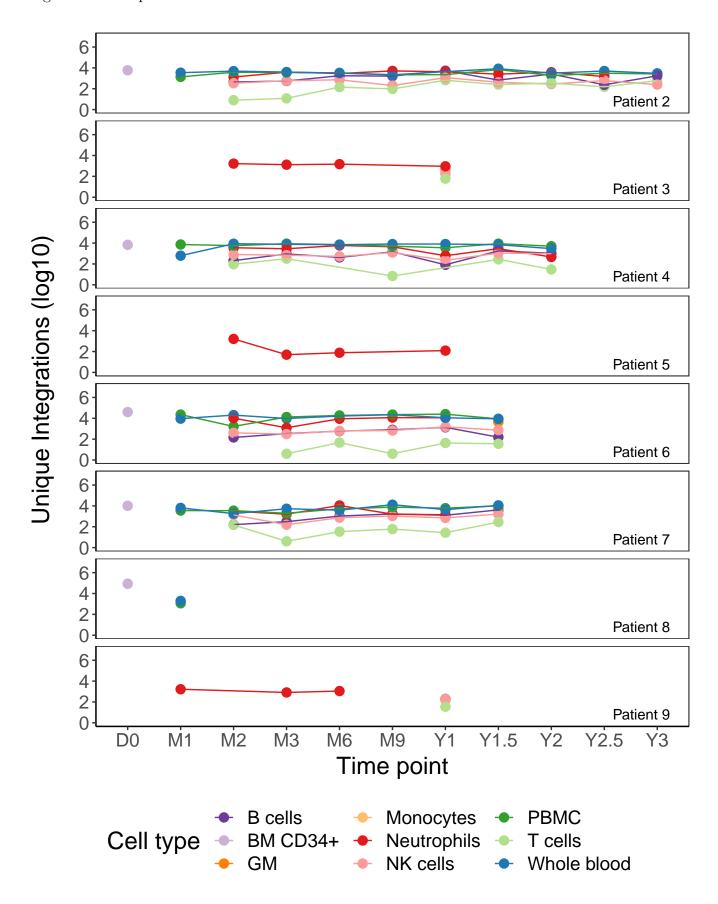
Observed integrations

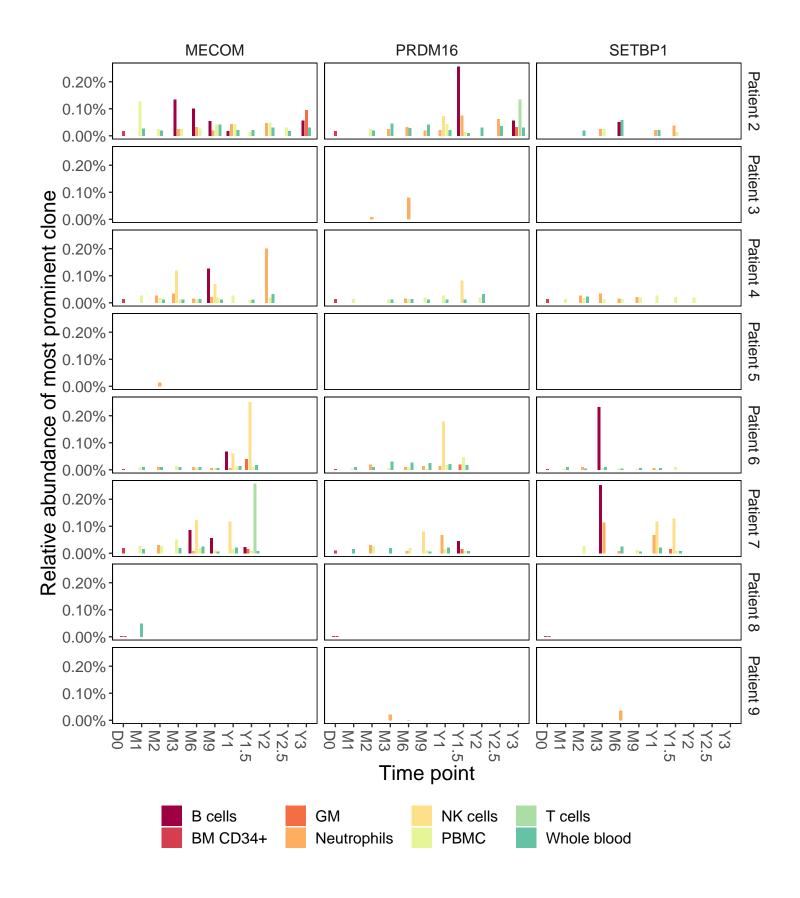
Bar graph format



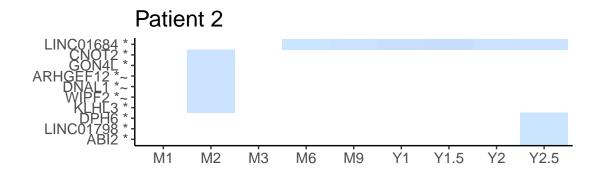
Observerd integrations

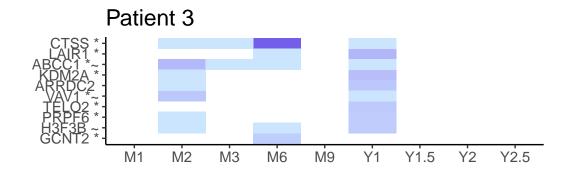
log10 scale line plot format.

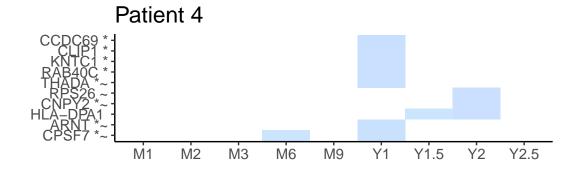


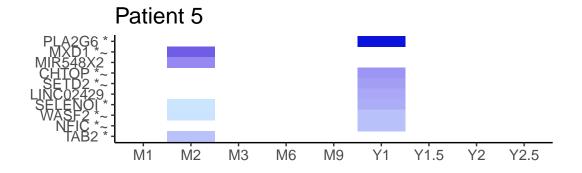


Neutrophils heat maps



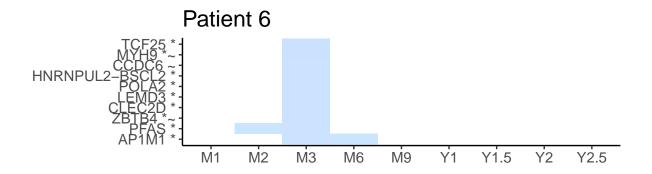


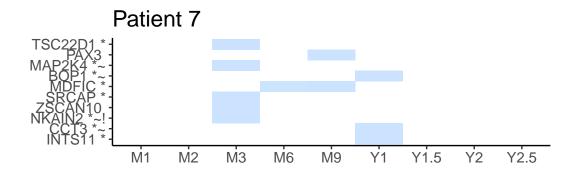


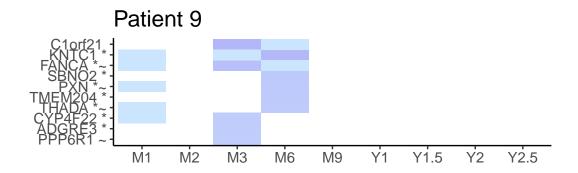


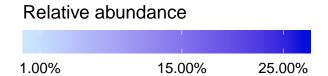
Relative abundance 1.00% 15.00% 25.00%

Neutrophils heat maps (cont.)









Sample and data collection summary

Patient	Timepoint	CellType	TotalReads	InferredCells	UniqueSites	Gini	Shannon	Pielou	UC50
Patient 2	D0	BM CD34+	228,684	6,000	5,902	0.016	8.68	0.999	2,903
Patient 2	M1	Whole blood	811,500	3,701	3,473	0.058	8.13	0.997	1,623
Patient 2	M1	PBMC	819,709	1,585	1,370	0.123	7.16	0.991	578
Patient 2	M1.5	Whole blood	391,644	3,061	2,889	0.054	7.94	0.997	1,359
Patient 2	M1.5	PBMC	729,808	3,079	2,760	0.095	7.88	0.994	1,221
Patient 2	M1.5	T cells	14,827	20	16	0.188	2.59	0.935	7
Patient 2	M1.5	Neutrophils	823,166	5,086	4,768	0.059	8.44	0.997	2,226
Patient 2	M1.5	B cells	14,187	15	15	0.000	2.71	1.000	8
Patient 2	M1.5	NK cells	421,212	279	214	0.191	5.27	0.982	75
Patient 2	M2	Whole blood	935,273	5,308	4,881	0.074	8.46	0.996	2,228
Patient 2 Patient 2	M2 M2	PBMC T cells	834,192 19,907	4,104 9	3,823	$0.065 \\ 0.097$	8.22 2.04	0.996	$^{1,772}_{4}$
Patient 2	M2	Neutrophils	846,993	1,629	8 1,327	0.097 0.155	7.12	0.983 0.990	513
Patient 2	M2	B cells	803,159	582	437	0.133	5.96	0.981	147
Patient 2	M2	NK cells	824,410	496	341	0.260	5.67	0.972	94
Patient 2	M3	Whole blood	922,656	4,459	3,977	0.099	8.24	0.995	1,748
Patient 2	М3	PBMC	1,081,487	4,143	3,638	0.109	8.15	0.994	1,567
Patient 2	M3	T cells	10,243	15	12	0.172	2.40	0.964	5
Patient 2	M3	Neutrophils	752,277	4,147	3,889	0.059	8.24	0.997	1,816
Patient 2	M3	B cells	840,852	741	555	0.216	6.18	0.978	185
Patient 2	M3	NK cells	787,485	749	584	0.195	6.25	0.981	210
Patient 2	M6	Whole blood	835,725	3,461	3,174	0.077	8.03	0.996	1,444
Patient 2	M6	PBMC	781,640	3,633	3,361	0.070	8.09	0.996	1,545
Patient 2	M6	T cells	747,431	229	143	0.335	4.62	0.932	29
Patient 2	M6	Neutrophils	856,984	3,134	2,907	0.068	7.94	0.996	1,341
Patient 2	M6	B cells	802,830	1,996	1,768	0.105	7.43	0.993	771 281
Patient 2 Patient 2	M6 M9	NK cells Whole blood	681,244 $719,175$	897 2,369	729 2,150	$0.165 \\ 0.085$	6.50 7.64	$0.986 \\ 0.995$	966
Patient 2	M9	PBMC	733,032	2,354	2,165	0.085 0.075	7.64	0.995	989
Patient 2	M9	T cells	749,273	145	96	0.319	4.16	0.933	24
Patient 2	M9	Neutrophils	673,911	5,403	5,119	0.050	8.51	0.997	2,418
Patient 2	M9	B cells	497,904	1,818	1,633	0.094	7.35	0.994	725
Patient 2	M9	NK cells	436,854	269	202	0.222	5.15	0.970	68
Patient 2	Y1.5	Whole blood	815,415	9,082	8,380	0.074	8.98	0.994	3,840
Patient 2	Y1.5	PBMC	$742,\!538$	7,155	6,851	0.041	8.81	0.998	3,274
Patient 2	Y1.5	T cells	714,046	307	250	0.167	5.42	0.981	97
Patient 2	Y1	Whole blood	854,698	4,706	4,354	0.071	8.33	0.994	2,002
Patient 2	Y1	PBMC	366,836	2,342	2,257	0.035	7.71	0.998	1,087
Patient 2	Y1	T cells	719,832	816	656	0.184	6.32	0.974	249
Patient 2	Y1	Neutrophils	740,040	4,524	4,230	0.062	8.30	0.994	1,969
Patient 2 Patient 2	Y1 Y1	B cells NK cells	724,673 $759,335$	5,966 1,360	5,352 $1,163$	0.094 0.132	8.54 6.98	$0.995 \\ 0.989$	2,370 484
Patient 2	Y1.5	Neutrophils	564,447	2,681	2,504	0.132	7.77	0.993	1,164
Patient 2	Y1.5	B cells	779,683	782	678	0.123	6.45	0.989	288
Patient 2	Y1.5	NK cells	750,430	552	417	0.205	5.92	0.981	142
Patient 2	Y2	Whole blood	669,770	3,353	3,125	0.064	8.01	0.996	1,449
Patient 2	Y2	PBMC	772,240	2,034	1,855	0.082	7.49	0.995	839
Patient 2	Y2	T cells	580,973	409	350	0.132	5.78	0.987	146
Patient 2	Y2	Neutrophils	603,261	4,158	3,832	0.074	8.21	0.995	1,754
Patient 2	Y2	B cells	1,245,364	2,898	2,563	0.106	7.80	0.993	1,115
Patient 2	Y2	NK cells	$751,\!802$	388	284	0.242	5.45	0.964	91
Patient 2	Y2.5	Whole blood	403,870	5,462	5,039	0.073	8.49	0.995	2,309
Patient 2	Y2.5	PBMC	476,441	3,208	3,060	0.044	8.00	0.997	1,457
Patient 2 Patient 2	Y2.5 Y3	T cells Whole blood	459,656 $542,746$	186 $3,292$	152 2,986	$0.159 \\ 0.087$	4.94 7.96	0.984 0.994	60 $1,341$
Patient 2	Y3	PBMC	451,535	2,852	2,655	0.066	7.85	0.994	1,341 $1,230$
Patient 2	Y3	T cells	374,559	750	603	0.185	6.20	0.968	229
Patient 2	Y3	GM	855,535	3,176	2,824	0.100	7.90	0.994	1,237
Patient 2	Y2.5	Neutrophils	259,042	1,602	1,493	0.064	7.28	0.996	693
Patient 2	Y2.5	B cells	5,815	240	240	0.000	5.48	1.000	121
Patient 2	Y2.5	NK cells	322,259	647	606	0.060	6.38	0.996	283
Patient 2	Y3	B cells	39,673	1,752	1,716	0.020	7.44	0.999	841
Patient 2	Y3	NK cells	1,001,682	348	252	0.242	5.35	0.968	79
Patient 3	Y1	T cells	75,970	70	60	0.132	4.01	0.980	26
Patient 3	Y1	B cells	$43,\!178$	517	433	0.144	5.99	0.987	175
Patient 3	Y1	NK cells	79,835	230	174	0.206	5.04	0.976	60
Patient 3	Y1	Monocytes	56,850	605	498	0.158	6.09	0.981	196
Patient 3	M2	Neutrophils	78,305	1,703	1,665	0.022	7.41	0.999	814
Patient 3	M3	Neutrophils	24,656	1,353	1,313	0.029	7.17	0.998	637
Patient 3 Patient 3	M6 V1	Neutrophils Neutrophils	88,650 $94,011$	1,526 960	1,481 918	0.029 0.043	7.29	0.998	719 439
Patient 3 Patient 4	Y1 D0	BM CD34+	94,011 477,965	6,960	6,795	0.043 0.023	6.79 8.81	0.996 0.999	3,316
Patient 4	M1	Whole blood	776,799	724	620	0.023 0.128	6.37	0.999	$\frac{3,310}{259}$
1 0010110 4	-11 1	THOSE BIOOU	110,100		320	0.120	0.01	0.001	200

Patient 4 M1	(continued)		G. U.T.		T. C. 10.11	TT	G	- CI		TIGEO
Patient 4 M2	Patient	Timepoint	CellType	TotalReads	InferredCells	UniqueSites	Gini	Shannon	Pielou	UC50
Patient 4 M2				,		,			0.999	3,546
Patient 4 M2				,					0.999	4,266
Patient 4 M2				,					1.000	2,833
Patient 4 M2				,					0.881	24
Patient 4 M3			-	,		,			0.999	1,760
Patient 4 M3									0.971	64
Patient 4 M3				,					0.992	347
Patient 4 M9					*	,			0.999	3,752
Patient 4 M9				,	*				0.999	4,319
Patient 4 M9									0.990 0.997	154 $2,398$
Patient 4 M9						,			0.949	3
Patient 4 M9 NK cells 1,053,997 1,431 1,241 0,076 7.25 Patient 4 Y1 Whole blood 866,630 8,830 8,126 0,075 8,97 Patient 4 Y1 PBMC 917,504 3,771 3,551 0,056 8,15 Patient 4 M3 Neutrophils 484,363 2,960 2,846 0,037 7,94 Patient 4 M3 Neutrophils 484,363 2,960 2,846 0,037 7,94 Patient 4 M3 Neutrophils 883,981 844 696 0,156 6,45 Patient 4 M9 Whole blood 649,117 8,554 8,088 0,052 8,97 Patient 4 Y1 Neutrophils 868,550 744 614 0,160 6,32 2 Patient 4 Y1 Neutrophils 883,981 844 696 0,156 6,45 Patient 4 Y1 Neutrophils 885,550 744 614 0,160 6,32 2 Patient 4 Y1 Neutrophils 885,703 7,355 0,057 8,85 Patient 4 Y1 Neutrophils 885,703 7,335 7,055 0,037 8,85 Patient 4 M6 Whole blood 485,703 7,335 7,055 0,037 8,85 Patient 4 M6 Neutrophils 696,184 6,218 5,901 0,049 8,66 Patient 4 M6 Neutrophils 696,184 6,218 5,901 0,049 8,66 Patient 4 M6 Neutrophils 691,84 6,218 5,901 0,049 8,66 Patient 4 M6 Nik cells 571,188 683 529 0,206 6,09 Patient 4 Y1.5 PBMC 203,629 9,665 8,800 0,84 9,04 Patient 4 Y1.5 Neutrophils 323,351 3,061 2,905 0,049 7,95 Patient 4 Y1.5 Neutrophils 323,351 3,061 2,905 0,049 7,95 Patient 4 Y1.5 Neutrophils 323,351 3,061 2,905 0,049 7,95 Patient 4 Y2 Nik cells 179,928 1,209 1,102 0,85 6,94 Patient 4 Y2 Nik cells 285,189 1,116 958 0,135 6,73 Patient 4 Y2 Nik cells 238,729 1,165 58,00 0,044 6,94 Patient 4 Y2 Neutrophils 30,306 3,135 2,954 0,055 7,96 Patient 4 Y2 Neutrophils 30,306 3,135 3,96 3,135 3,96 3,98 3,98 3,818 3,263 0,039 9,48 Patient 5 M3 Neutrophils 7,050 1,666 1,620 0,027 7,38 Patient 6 M3 Neutrophils 67,592 3,933 2,712 0,028 1,95 Patient 6 M3 Neutrophils				,					0.949 0.997	$\frac{3}{2,074}$
Patient 4 M9				,		,			0.995	663
Patient 4					*				0.988	526
Patient 4 M3 Neutrophils 484.363 2.960 2.846 0.037 7.94 Patient 4 M3 Netrophils 484.363 2.960 0.286 0.037 7.94 Patient 4 M3 Net Cells 559.728 1.042 920 0.107 6.77 Patient 4 M9 Nelsolod 649.117 8.554 8.088 0.052 8.97 Patient 4 M9 Whole blood 649.117 8.555					*				0.996	3,712
Patient 4				,					0.997	1,666
Patient 4 M3 NK cells 833,981 844 696 0.156 64.5 Patient 4 M9 Whole blood 649,117 8,554 8,088 0.052 8,97 7,041 614 0.160 6.32 7,041 614 7,11 7,041					*				0.998	1,367
Patient 4 M9 Whole blood 649,117 8,554 8,088 0,052 8,97 Patient 4 Y1 Neutrophils 868,550 744 614 0,160 6.32 6,241 Patient 4 Y1 Neutrophils 868,550 744 614 0,160 6.32 6,241 Patient 4 Y1 NK cells 938,080 129 83 0,252 4,29 Patient 4 M6 Whole blood 485,703 7,355 7,055 0,037 8,85 Patient 4 M6 Whole blood 485,703 7,355 7,055 0,037 8,85 Patient 4 M6 PBMC 746,246 7,449 7,138 0,040 8,66 Patient 4 M6 Neutrophils 606,184 6,218 5,901 0,049 8,66 Patient 4 M6 Neutrophils 606,184 6,218 5,901 0,049 8,66 Patient 4 M6 NK cells 571,188 683 529 0,206 6,09 Patient 4 V1.5 Whole blood 231,682 7,748 7,102 0,078 8,83 Patient 4 V1.5 PBMC 203,629 9,665 8,800 0,084 9,04 Patient 4 V1.5 Description 192,342 304 276 0,088 5,56 Patient 4 V1.5 Ncutrophils 232,351 3,061 2,905 0,049 7,95 0,049 Patient 4 V1.5 Ncutrophils 232,351 3,061 2,905 0,049 7,95 0,049 Patient 4 V1.5 Nc cells 179,928 1,209 1,102 0,085 6,94 0,055 0,049 Patient 4 V2 NK cells 285,189 1,116 958 0,135 6,73 0,040 0,040 0,040 0,040 Patient 4 V2 PBMC 228,752 5,394 5,026 0,066 8,48 0,066 8,48 0,066			•	,					0.992	400
Patient 4					*				0.985	275
Patient 4									0.997	3,812
Patient 4				,		,			0.984	243
Patient 4			•	,					0.971	26
Patient 4 M6 Whole blood 485,703 7,335 7,055 0,037 8,85 Carbon Patient 4 M6 Neutrophils 696,184 6,218 5,901 0,049 8,66 Carbon C				,					0.976	71
Patient 4 M6 PBMC 746,246 7,449 7,138 0,040 8,866 Patient 4 M6 Neutrophils 696,184 6,218 5,901 0,049 8,66 6,091 6,				,					0.998	3,388
Patient 4 M6 Neutrophils 696,184 6,218 5,901 0,049 8,66 6 Patient 4 M6 B cells 562,743 523 425 0,171 5,93 0,049 8,66 6,09 1,000				,	*	,			0.998	3,414
Patient 4 M6 B cells 562,743 523 425 0.171 5.93 Patient 4 M6 NK cells 571,188 683 529 0.206 6.09 Patient 4 Y1.5 Whole blood 231,682 7,748 7,102 0.078 8.83 (0.0084 9.04 Patient 4 Y1.5 PBMC 203,629 9,665 8,800 0.084 9.04 Patient 4 Y1.5 PBMC 203,629 9,665 8,800 0.084 9.04 Patient 4 Y1.5 T cells 192,342 304 276 0.088 5.56 (0.0084 9.04 Patient 4 Y1.5 Neutrophils 232,351 3.061 2,905 0.049 7.95 Patient 4 Y1.5 NK cells 179,928 1,209 1,102 0.085 6.94 Patient 4 Y1.5 NK cells 179,928 1,209 1,102 0.085 6.94 Patient 4 Y2 NK cells 285,189 1,116 958 0.135 6.73 Patient 4 Y2 PBMC 228,752 5,394 5,026 0.066 8.48 Patient 4 Y2 PBMC 228,752 5,394 5,026 0.066 8.48 Patient 4 Y2 PBMC 228,752 5,394 5,026 0.066 8.48 Patient 4 Y2 Neutrophils 262,355 498 466 0.061 6.12 Patient 4 Y2 B cells 253,779 1,083 1,045 0.034 6.12 Patient 5 M2 Neutrophils 504 63 50 0.201 3.62 Patient 5 M3 Neutrophils 504 63 50 0.201 3.62 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9,15 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9,48 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9,48 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9,48 Patient 6 M3 PBMC 882,112 1,790 1,655 0.070 7,38 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Patient 6 M4 PBMC 658,252 23,333 22,712 0.028 10.02 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 Patient 6 M4 PBMC 655,252 23,333 22,712 0.028 0.020 9.23 Patient 6 M6 PBMC 87,982 0.0600 10,392 0.069 9.23 Patient 6 M6 PBMC 679,309 9,792 8,888 0.0				,	*	,			0.998	2,793
Patient 4 M6									0.980	164
Patient 4				,					0.972	188
Patient 4 Y1.5 PBMC 203,629 9,665 8,800 0.084 9.04 0.084 Patient 4 Y1.5 T cells 192,342 304 276 0.088 5.56 0.049 7.95 0.040 7.95 0.040 0.040 7.95 0.040 0				,					0.995	3,229
Patient 4 Y1.5 T cells 192,342 304 276 0.088 5.56 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.049 7.95 0.040 7.95 0.040 7.95 0.040 7.95 0.040 7.95 0.040 7.95 0.040 7.95 0.040 7.95 0.040 0.024 7.48 0.055 0.040 0.024 7.48 0.055 0.040 0.024 7.48 0.055 0.040 0.055 0.040 0.055 0.040 0.055 0				,	*	,			0.995	3,968
Patient 4					*				0.990	125
Patient 4	Patient 4	Y1.5	Neutrophils		3,061	2,905	0.049	7.95	0.997	1,375
Patient 4 Y2	Patient 4	Y1.5	B cells	171,563	1,846	1,800	0.024	7.48	0.998	878
Patient 4 Y2 Whole blood 330,956 3,135 2,954 0.055 7.96 Care Patient 4 Y2 PBMC 228,752 5,394 5,026 0.066 8.48 Care Patient 4 Y2 T cells 89,269 47 30 0.326 3.08 Care Patient 4 Y2 Neutrophils 262,355 498 466 0.061 6.12 Care Patient 4 Y2 B cells 253,779 1,083 1,045 0.034 6.94 Care Patient 5 M2 Neutrophils 7,050 1,666 1,620 0.027 7.38 Care Patient 5 M3 Neutrophils 504 63 50 0.201 3.62 Care Patient 5 M3 Neutrophils 107 77 77 77 0.000 4.34 4.730 Patient 5 Y1 Neutrophils 107 77 77 77 0.000 4.34 4.730 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 Care Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 Care Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Care Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Care Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Care Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Care Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 Care Patient 6 M3 Nk cells 658,895 380 306 0.166 5.64 Care Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 Care Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 Care Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 Care Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 Care Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 Care Patient 6 M3 Neutrophils 747,982 10,600 10,322 0.026 9.23 Care Patient 6 M4 Neutrophils 747,982 10,600 10,322 0.026 9.23 Care Patient 6 M6 Neutrophils 667,930 9,7964 9,577 9,233 0.035 9,12 Care Patient 6 M6 Neutrophils 647,931 1,6424 0.111 9,65 Care Patient 6 M6 Neutrophils 647,931 1,659 1,6424 0.111 9,65 Care Patient 6 M6 Ne	Patient 4	Y1.5	NK cells	179,928	1,209		0.085	6.94	0.991	498
Patient 4 Y2 PBMC 228,752 5,394 5,026 0.066 8.48 Color	Patient 4	Y2	NK cells	285,189	1,116	958	0.135	6.73	0.980	401
Patient 4 Y2 T cells 89,269 47 30 0.326 3.08 0 Patient 4 Y2 Neutrophils 262,355 498 466 0.061 6.12 Patient 4 Y2 B cells 253,779 1,083 1,045 0.034 6.94 Patient 5 M2 Neutrophils 7,050 1,666 1,620 0.027 7.38 0 Patient 5 M3 Neutrophils 504 63 50 0.201 3.62 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 Patient 5 Y1 Neutrophils 47,309 129 123 0.045 4.79 0 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 Patient 6 M3 P BMC 883,998 13,818 13,263 0.039 9.48 Patient 6 M3 Neutrophils 1,070,469 1,497	Patient 4	Y2	Whole blood	330,956	3,135	2,954	0.055	7.96	0.997	1,387
Patient 4 Y2 Neutrophils 262,355 498 466 0.061 6.12 0 Patient 4 Y2 B cells 253,779 1,083 1,045 0.034 6.94 0 Patient 5 M3 Neutrophils 7050 1,666 1,620 0.027 7.38 0 Patient 5 M3 Neutrophils 107 77 77 0.000 4.34 1 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 1 Patient 6 M3 Whole blood 750,380 9.851 9,527 0.032 9.15 6 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 6 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 6 Patient 6 M3 NK cells 658,895 380 36 0.166 5.64 6	Patient 4	Y2	PBMC	228,752	5,394	5,026	0.066	8.48	0.995	2,330
Patient 4 Y2 B cells 253,779 1,083 1,045 0.034 6.94 0 Patient 5 M2 Neutrophils 7,050 1,666 1,620 0.027 7.38 0 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 1 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 4 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 6 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 6 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 6 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0	Patient 4	Y2	T cells	89,269	47	30	0.326	3.08	0.906	7
Patient 5 M2 Neutrophils 7,050 1,666 1,620 0.027 7.38 0 Patient 5 M3 Neutrophils 504 63 50 0.201 3.62 0 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 0 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient	Patient 4	Y2	Neutrophils	$262,\!355$	498	466	0.061	6.12	0.996	218
Patient 5 M3 Neutrophils 504 63 50 0.201 3.62 0 Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 1 Patient 5 Y1 Neutrophils 47,309 129 123 0.045 4.79 0 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 0 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 Nk cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 T cells 74 1 1 0.000 0 Patient 6 <t< td=""><td>Patient 4</td><td>Y2</td><td>B cells</td><td>253,779</td><td>1,083</td><td>1,045</td><td>0.034</td><td>6.94</td><td>0.998</td><td>504</td></t<>	Patient 4	Y2	B cells	253,779	1,083	1,045	0.034	6.94	0.998	504
Patient 5 M6 Neutrophils 107 77 77 0.000 4.34 Patient 5 Y1 Neutrophils 47,309 129 123 0.045 4.79 0 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 T cells 301,804 5 4 0.150 1.33 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 <td>Patient 5</td> <td>M2</td> <td>Neutrophils</td> <td>7,050</td> <td>1,666</td> <td>1,620</td> <td>0.027</td> <td>7.38</td> <td>0.998</td> <td>788</td>	Patient 5	M2	Neutrophils	7,050	1,666	1,620	0.027	7.38	0.998	788
Patient 5 Y1 Neutrophils 47,309 129 123 0.045 4.79 0 Patient 6 M3 Whole blood 750,380 9,851 9,527 0.032 9.15 0 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 Patient 6 M3 T cells 301,804 5 4 0.150 1.33 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 <td>Patient 5</td> <td>M3</td> <td>Neutrophils</td> <td>504</td> <td>63</td> <td>50</td> <td>0.201</td> <td>3.62</td> <td>0.925</td> <td>19</td>	Patient 5	M3	Neutrophils	504	63	50	0.201	3.62	0.925	19
Patient 6 M3 Whole blood 755,380 9,851 9,527 0.032 9.15 0 Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 T cells 301,804 5 4 0.150 1.33 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0	Patient 5	M6	Neutrophils	107	77	77	0.000	4.34	1.000	39
Patient 6 M3 PBMC 883,998 13,818 13,263 0.039 9.48 0 Patient 6 M3 T cells 301,804 5 4 0.150 1.33 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Pat	Patient 5	Y1	Neutrophils	47,309	129	123	0.045	4.79	0.996	59
Patient 6 M3 T cells 301,804 5 4 0.150 1.33 0 Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 0 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Pa	Patient 6	M3	Whole blood	750,380	9,851	9,527	0.032	9.15	0.999	4,602
Patient 6 M3 Neutrophils 1,070,469 1,497 1,234 0.153 7.04 0 Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6	Patient 6	M3	PBMC	883,998	13,818	13,263	0.039	9.48	0.998	6,355
Patient 6 M3 B cells 775,253 430 339 0.183 5.72 0 Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 0.00 0 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 <t< td=""><td>Patient 6</td><td>M3</td><td>T cells</td><td>301,804</td><td>5</td><td></td><td>0.150</td><td>1.33</td><td>0.961</td><td>2</td></t<>	Patient 6	M3	T cells	301,804	5		0.150	1.33	0.961	2
Patient 6 M3 NK cells 658,895 380 306 0.166 5.64 0 Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 692,994 18,691 16,424 0.111 9.65 0 <		M3	-	1,070,469			0.153		0.989	486
Patient 6 M2 Whole blood 758,462 20,957 20,312 0.030 9.91 0 Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0	Patient 6	M3		775,253	430			5.72	0.982	125
Patient 6 M2 PBMC 882,112 1,790 1,655 0.070 7.38 0 Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 <				,					0.986	117
Patient 6 M2 T cells 74 1 1 0.000 0.00 1 Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0									0.999	9,834
Patient 6 M1 PBMC 655,252 23,393 22,712 0.028 10.02 0 Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0						,			0.996	761
Patient 6 M2 Neutrophils 747,982 10,600 10,322 0.026 9.23 0 Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0									NaN	1
Patient 6 M2 B cells 922,744 194 146 0.194 4.89 0 Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 D0 BM CD34+ 489,357 40,091 39,843 0.006 10.59 1 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 NK cells 886,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.999</td> <td>11,016</td>									0.999	11,016
Patient 6 M2 NK cells 895,263 456 403 0.105 5.95 0 Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 D0 BM CD34+ 489,357 40,091 39,843 0.006 10.59 1 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.999</td><td>5,023</td></tr<>									0.999	5,023
Patient 6 M1 Whole blood 927,964 9,577 9,233 0.035 9.12 0 Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 D0 BM CD34+ 489,357 40,091 39,843 0.006 10.59 1 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td>0.982</td> <td>50</td>				,					0.982	50
Patient 6 M6 Whole blood 692,994 18,691 16,424 0.111 9.65 0 Patient 6 D0 BM CD34+ 489,357 40,091 39,843 0.006 10.59 3 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0				,					0.992	176
Patient 6 D0 BM CD34+ 489,357 40,091 39,843 0.006 10.59 Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 P									0.998	4,445
Patient 6 M6 PBMC 712,309 21,692 18,721 0.124 9.77 0 Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0									0.994	7,079
Patient 6 M6 T cells 1,164,324 67 47 0.290 3.35 0 Patient 6 M6 Neutrophils 667,930 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 1 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0									1.000	19,798
Patient 6 M6 Neutrophils 667,330 9,792 8,988 0.077 9.07 0 Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 1.3 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0				,					0.993	7,876
Patient 6 M6 B cells 821,116 720 588 0.160 6.29 0 Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 1.30 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0									0.869	14
Patient 6 M6 NK cells 868,597 774 618 0.173 6.34 0 Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 1.3 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0			•						0.996	4,093
Patient 6 M9 Whole blood 549,231 28,799 22,200 0.201 9.88 0 Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0				,					0.987	229
Patient 6 M9 PBMC 599,775 29,083 22,482 0.199 9.89 0 Patient 6 M9 T cells 11,705 4 4 0.000 1.39 1.39 1.39 1.40				,					0.986	232
Patient 6 M9 T cells 11,705 4 4 0.000 1.39 2 Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0				,	,				0.987	7,801
Patient 6 M9 Neutrophils 564,783 13,594 11,655 0.129 9.29 0 Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92 0				,	,				0.987 1.000	7,941 3
Patient 6 Y1 PBMC 681,803 35,496 24,995 0.256 9.92				,					0.993	
			-	,	,					4,859
Patient 6 V1 T colle 177 059 50 49 0.994 9.64				,	,	,			0.980	7,248
· · · · · · · · · · · · · · · · · · ·									0.967 0.989	$\frac{14}{4,409}$
			•		,				0.989 0.995	618
				,					0.995 0.995	681
									0.995	324
1 001010 0 1010 D 00100 010,001 744 190 0.100 0.01	1 autent U	1110	D cens	010,301	JII	100	0.130	0.01	0.000	024

Patient	Timepoint	CellType	TotalReads	InferredCells	UniqueSites	Gini	Shannon	Pielou	UC50
Patient 6	M9	NK cells	214,095	720	671	0.064	6.48	0.996	312
Patient 6	Y1	Whole blood	734,193	13,585	11,232	0.156	9.23	0.989	4,440
Patient 6	Y1.5	PBMC	174,075	10,771	8,866	0.160	8.99	0.989	3,481
Patient 6	Y1.5	T cells	10,054	36	36	0.000	3.58	1.000	19
Patient 6	Y1.5	GM	199,158	4,949	4,399	0.103	8.33	0.993	1,925
Patient 6	Y1.5	B cells	35,089	168	154	0.077	5.01	0.994	71
Patient 6	Y1.5	NK cells	175,275	798	732	0.076	6.56	0.995	334
Patient 6	Y1.5	Whole blood	207,654	10,852	8,886	0.164	8.98	0.988	3,461
Patient 7	D0	BM CD34+	$552,\!271$	10,690	10,234	0.041	9.22	0.998	4,890
Patient 7	M2	Whole blood	499,523	1,883	1,816	0.034	7.49	0.998	875
Patient 7	M2	PBMC	691,359	3,612	3,495	0.032	8.15	0.998	1,690
Patient 7	M2	T cells	$615,\!807$	238	151	0.332	4.65	0.927	33
Patient 7	M2	Neutrophils	591,947	3,221	3,105	0.035	8.03	0.998	1,495
Patient 7	M2	B cells	530,071	206	160	0.198	4.94	0.974	58
Patient 7	M2	NK cells	651,775	1,507	1,359	0.091	7.17	0.994	606
Patient 7	M1	Whole blood	575,229	6,539	6,441	0.015	8.76	0.999	3,172
Patient 7	M1	PBMC	598,960	3,695	3,574	0.032	8.17	0.998	1,727
Patient 7	M3	Whole blood	74,546	5,398	5,340	0.011	8.58	1.000	2,642
Patient 7	M3	PBMC	81,124	1,995	1,965	0.015	7.58	0.999	968
Patient 7	M3	T cells	111,722	8	4	0.375	1.07	0.774	1
Patient 7	M3	Neutrophils	784,105	1,751	1,604	0.079	7.34	0.995	729
Patient 7	M3	B cells	690,263	396	308	0.193	5.61	0.980	111
Patient 7	M3	NK cells	633,250	220	157	0.244	4.89	0.967	48
Patient 7	M6	Whole blood	562,996	3,989	3,879	0.027	8.25	0.999	1,885
Patient 7	M6	PBMC	587,203	5,410	5,269	0.025	8.56	0.999	2,565
Patient 7	M6	T cells	254,024	55	34	0.363	2.97	0.842	7
Patient 7	M6	Neutrophils	594,523	11,246	10,954	0.025	9.29	0.999	5,332
Patient 7	M6	B cells	722,954	1,162	1,059	0.082	6.93	0.995	479
Patient 7	M6	NK cells	617,168	819	740	0.090	6.56	0.993	331
Patient 7	Y1	Whole blood	711,657	4,578	4,378	0.042	8.36	0.997	2,090
Patient 7	Y1	PBMC	584,483	6,363	6,031	0.051	8.67	0.996	2,850
Patient 7	Y1	T cells	32,417	30	27	0.094	3.25	0.985	13
Patient 7	Y1	Neutrophils	597,636	1,484	1,409	0.049	7.23	0.997	668
Patient 7	Y1	B cells	362,795	1,320	1,262	0.042	7.12	0.997	603
Patient 7	Y1	NK cells	524,942	850	702	0.163	6.42	0.979	278
Patient 7	M9	PBMC	609,445	7,885	7,603	0.035	8.92	0.998	3,661
Patient 7	M9	T cells	595,543	96	60	0.331	3.78	0.924	13
Patient 7	M9	Neutrophils	5,666	1,622	1,606	0.010	7.38	0.999	796
Patient 7	M9	B cells	580,563	1,759	1,699	0.033	7.42	0.998	820
Patient 7	M9	NK cells	481,047	1,252	1,082	0.129	6.88	0.985	457
Patient 7	Y1.5	Whole blood	449,284	12,292	11,232	0.083	9.23	0.990	5,087
Patient 7	Y1.5	PBMC	473,294	11,200	10,126	0.093	9.09	0.986	4,527
Patient 7	Y1.5	T cells	472,514	389	283	0.237	5.48	0.970	89
Patient 7	Y1.5	GM	549,929	6,057	5,655	0.065	8.57	0.992	2,627
Patient 7	Y1.5	B cells	537,995	4,385	4,151	0.052	8.28	0.994	1,959
Patient 7	Y1.5	NK cells	566,530	2,335	1,665	0.274	7.02	0.946	498
Patient 7	M9	Whole blood	565,346	13,606	13,101	0.036	9.46	0.998	6,299
Patient 8	D0	BM CD34+	265,184	49,283	49,039	0.005	10.80	1.000	24,398
Patient 8	D0 M1	BM CD34+	227,489	37,916	37,754	0.004	10.54	1.000	18,797
Patient 8	M1	Whole blood PBMC	165,420	2,035	1,957	0.037	7.56	0.998	940
Patient 8	M1 M6	Neutrophils	118,407 58 160	1,193	1,155	0.031	7.04	0.998	559 549
Patient 9 Patient 9	M6 V1	T cells	58,160 14,630	1,120	1,108 35	0.011 0.128	7.01	0.999 0.984	
	Y1 V1		14,630 55,682	41			3.50 5.13		15 64
Patient 9 Patient 9	Y1 V1	B cells NK cells	55,682 51,028	269 289	198 197	0.227 0.273	5.13 5.05	$0.970 \\ 0.956$	53
Patient 9 Patient 9	Y1 Y1	Monocytes	51,028 $70,759$		137	0.273 0.170	5.05 4.80	0.956 0.976	53 54
Patient 9 Patient 9	M1	Neutrophils	70,759 50,391	168 1,680		0.170 0.014	7.41	0.976	54 818
Patient 9 Patient 9	M3	Neutrophils	39,304	836	1,657 817	0.014 0.022	6.70	0.999	400
ганен 9	101.0	neurropinis	əə,əu4	000	817	0.022	0.70	0.999	400