

Supplementary Table 5: Number of cell events collected for each sample. Most samples were run as part of one experiment with two tubes stained in parallel on day 1 and analyzed on separate subsequent days (day 2 and day 3 respectively). Four separate experiments were performed on each of 4 consecutive weeks. Normal sample aliquots were run several times as indicated. Normal sample #6 was run in each experiment.

* Three patient samples were run in two experiments due to low cell numbers.

Sample	Subtype	Experiment	Tube A	Tube B	Total
AML5	CBF-AML	3	227,542	232,592	460,134
AML10	CBF-AML	1	336,309	334,051	670,360
AML26	CBF-AML	1	319,412	311,496	630,908
AML32	CBF-AML	2	265,530	283,421	548,951
AML35	CBF-AML	3	223,607	213,658	437,265
APL1	APL	4	248,872	228,373	477,245
APL3	APL	3	229,998	227,732	457,730
APL4	APL	2	288,857	307,251	596,108
APL5	APL	3	272,205	277,628	549,833
AML7	NK-AML, FLT3-ITD+	3	241,411	243,092	484,503
AML9	NK-AML, FLT3-ITD+	3	250,621	258,840	509,461
AML20	NK-AML, FLT3-ITD+	2	276,982	283,359	560,341
AML21	NK-AML, FLT3-ITD+	2	314,465	326,144	640,609
AML23	NK-AML, FLT3-ITD+	2	294,635	312,470	607,105
AML27	NK-AML, FLT3-ITD+	1	333,187	333,245	666,432
AML30	NK-AML, FLT3-ITD+	2	298,395	322,604	620,999
AML37	NK-AML, FLT3-ITD+	4	236,882	218,131	455,013
AML38	NK-AML, FLT3-ITD+	4	246,472	221,169	467,641
AML39	NK-AML, FLT3-ITD+	2	287,061	303,146	590,207
AML40	NK-AML, FLT3-ITD+	4	100,060	87,869	187,929
AML6	NK-AML, FLT3-TKD+	3	278,211	285,905	564,116
AML8 *	NK-AML, FLT3-TKD+	1 & 4	148,487	127,887	276,374
AML31	NK-AML, FLT3-TKD+	2	309,861	319,616	629,477
AML13	NK-AML, FLT3wt	1	88,210	85,349	173,559
AML14	NK-AML, FLT3wt	4	101,815	85,703	187,518
AML15	NK-AML, FLT3wt	4	117,101	96,094	213,195
AML33	NK-AML, FLT3wt	2	277,193	277,430	554,623
AML36	NK-AML, FLT3wt	3	96,282	93,106	189,388
AML42	NK-AML, FLT3wt	2	44,938	44,487	89,425
AML22	ARK-AML; MLL rearranged	2	152,581	159,773	312,354
AML4	ARK-AML	3	89,035	88,473	177,508
AML18	ARK-AML	1	347,795	351,682	699,477
AML19	ARK-AML	2	251,694	265,109	516,803
AML25 *	ARK-AML	1 & 4	163,052	134,988	298,040
AML29	ARK-AML	2	152,288	159,454	311,742
AML41	ARK-AML	2	76,498	79,676	156,174
Normal 1	Healthy Donor	1	310,055	313,451	623,506
Normal 3	Healthy Donor	1	297,005	297,920	594,925
Normal 5	Healthy Donor	1	330,691	329,280	659,971
Normal 6	Healthy Donor	1	380,589	379,966	760,555
Normal 3	Healthy Donor	2	348,656	370,087	718,743
Normal 4	Healthy Donor	2	333,421	354,672	688,093
Normal 6	Healthy Donor	2	326,660	347,230	673,890
Normal 4	Healthy Donor	3	398,964	394,617	793,581
Normal 5	Healthy Donor	3	259,701	262,042	521,743
Normal 6	Healthy Donor	3	288,236	288,922	577,158
Normal 3	Healthy Donor	4	283,988	259,468	543,456
Normal 4	Healthy Donor	4	306,424	287,247	593,671
Normal 5	Healthy Donor	4	274,390	256,244	530,634
Normal 6	Healthy Donor	4	341,803	318,651	660,454

CR2	Complete Response; Originally NK-AML, FLT3wt	4	279,705	256,425	536,130
CR3	Complete Response; Originally NK-AML, FLT3-ITD+	3	282,978	286,051	569,029
CR5	Complete Response Incomplete Count Recovery; Originally NK-AML, FLT3wt	4	56,925	46,847	103,772
CR6	Complete Response Incomplete Count Recovery; Originally NK-AML, FLT3wt	1	144,153	137,125	281,278
CR7 *	Complete Response Incomplete Count Recovery; Originally ARK-AML	1 & 4	124,356	108,874	233,230

Total Cells Analyzed:
26,632,366

Averages:

All Samples
484,224.8

AML
443,570.8

Healthy Donor
638,598.6

CR / Cri
344,687.8