

**Supplementary Table 1. Amplicon Coverage for Custom Mission Bio single cell DNA sequencing panel.** Each amplicon is listed with genomic location (hg19) and gene name.

<b>Chromosome</b>	<b>Start Location</b>	<b>End Location</b>	<b>Gene</b>
chr1	43814923	43815097	<i>MPL</i>
chr1	115256350	115256544	<i>NRAS</i>
chr1	115258559	115258771	<i>NRAS</i>
chr2	25457136	25457350	<i>DNMT3A</i>
chr2	25463120	25463328	<i>DNMT3A</i>
chr2	25463448	25463646	<i>DNMT3A</i>
chr2	25464333	25464542	<i>DNMT3A</i>
chr2	25466647	25466857	<i>DNMT3A</i>
chr2	25467048	25467265	<i>DNMT3A</i>
chr2	25467391	25467609	<i>DNMT3A</i>
chr2	25467956	25468169	<i>DNMT3A</i>
chr2	25468813	25469023	<i>DNMT3A</i>
chr2	25469068	25469275	<i>DNMT3A</i>
chr2	25469564	25469721	<i>DNMT3A</i>
chr2	25469954	25470165	<i>DNMT3A</i>
chr2	25470459	25470643	<i>DNMT3A</i>
chr2	198266775	198266977	<i>SF3B1</i>
chr2	198267156	198267375	<i>SF3B1</i>
chr2	209113028	209113167	<i>IDH1</i>
chr3	128202719	128202879	<i>GATA2</i>
chr4	55589610	55589817	<i>KIT</i>
chr4	55599238	55599448	<i>KIT</i>
chr4	106156648	106156852	<i>TET2</i>
chr4	106156901	106157106	<i>TET2</i>
chr4	106157797	106158005	<i>TET2</i>
chr4	106163905	106164104	<i>TET2</i>
chr4	106164760	106164969	<i>TET2</i>
chr4	106180648	106180819	<i>TET2</i>
chr4	106180868	106181034	<i>TET2</i>
chr4	106182820	106183023	<i>TET2</i>
chr4	106190723	106190931	<i>TET2</i>
chr4	106196200	106196404	<i>TET2</i>
chr4	106196456	106196672	<i>TET2</i>
chr4	106193871	106194071	<i>TET2</i>

chr4	106196774	106196986	<i>TET2</i>
chr4	106197035	106197232	<i>TET2</i>
chr4	106197278	106197457	<i>TET2</i>
chr4	106197504	106197717	<i>TET2</i>
chr5	170837396	170837597	<i>NPM1</i>
chr6	40116164	40116368	Control
chr6	62094189	62094395	Control
chr7	140453031	140453234	<i>BRAF</i>
chr7	148504659	148504873	<i>EZH2</i>
chr7	148506344	148506546	<i>EZH2</i>
chr7	148508719	148508905	<i>EZH2</i>
chr8	117864136	117864320	<i>RAD21</i>
chr9	5073573	5073780	<i>JAK2</i>
chr10	5554195	5554404	Control
chr10	77210082	77210276	Control
chr10	106721508	106721713	Control
chr11	32413414	32413629	<i>WT1</i>
chr11	32414202	32414410	<i>WT1</i>
chr11	32417789	32417997	<i>WT1</i>
chr11	108175403	108175608	<i>ATM</i>
chr11	108183125	108183320	<i>ATM</i>
chr11	108236092	108236299	<i>ATM</i>
chr11	119148406	119148614	<i>CBL</i>
chr11	119148809	119149007	<i>CBL</i>
chr11	119149218	119149430	<i>CBL</i>
chr12	25380259	25380467	<i>KRAS</i>
chr12	25398178	25398390	<i>KRAS</i>
chr12	112888114	112888328	<i>PTPN11</i>
chr12	112926848	112927052	<i>PTPN11</i>
chr13	28592494	28592706	<i>FLT3</i>
chr13	28602179	28602380	<i>FLT3</i>
chr13	28608004	28608168	<i>FLT3</i>
chr13	28608218	28608392	<i>FLT3</i>
chr13	28609557	28609768	<i>FLT3</i>
chr14	56968905	56969108	Control
chr15	90631760	90631969	<i>IDH2</i>
chr16	8569723	8569894	Control
chr16	55770516	55770722	Control
chr17	7576969	7577174	<i>TP53</i>

chr17	7577397	7577611	<i>TP53</i>
chr17	7578089	7578296	<i>TP53</i>
chr17	7578383	7578590	<i>TP53</i>
chr17	58740251	58740465	<i>PPM1D</i>
chr17	58740607	58740815	<i>PPM1D</i>
chr17	74732893	74733125	<i>SRSF2</i>
chr18	9750564	9750768	Control
chr18	42531783	42531986	<i>SETBP1</i>
chr18	42533021	42533233	<i>SETBP1</i>
chr19	13054545	13054710	<i>CALR</i>
chr20	31022219	31022401	<i>ASXL1</i>
chr20	31022525	31022701	<i>ASXL1</i>
chr20	31022898	31023107	<i>ASXL1</i>
chr21	36164939	36165160	<i>RUNX1</i>
chr21	36171482	36171697	<i>RUNX1</i>
chr21	36206703	36206893	<i>RUNX1</i>
chr21	36231609	36231827	<i>RUNX1</i>
chr21	36252808	36253008	<i>RUNX1</i>
chr21	44514699	44514914	<i>U2AF1</i>
chr21	44524280	44524488	<i>U2AF1</i>
chr22	29083873	29084069	<i>CHEK2</i>
chr22	29091685	29091879	<i>CHEK2</i>
chrX	123176348	123176514	<i>STAG2</i>
chrX	123178960	123179163	<i>STAG2</i>
chrX	123179209	123179368	<i>STAG2</i>
chrX	123181140	123181339	<i>STAG2</i>
chrX	123182799	123182999	<i>STAG2</i>
chrX	123197009	123197216	<i>STAG2</i>
chrX	123197553	123197752	<i>STAG2</i>
chrX	123197805	123198017	<i>STAG2</i>
chrX	123215282	123215439	<i>STAG2</i>
chrX	123217276	123217475	<i>STAG2</i>
chrX	123220442	123220651	<i>STAG2</i>
chrX	123181398	123181597	<i>STAG2</i>
chrX	133549087	133549301	<i>PHF6</i>
chrX	133551168	133551363	<i>PHF6</i>