

Supplementary Table 1. Taqman probes and primers for droplet digital PCR

Gene	VIC probe*	6-FAM probe*	Forward primer	Reverse primer
MMP8	TCCTCCAATACCTTGGCCTGGC	TCCTCCAATATCTTGGCCTGGC	CATGTTTCTTCGGCATCAA	TCACGGTGACAATTCTCCAT
SIN3A	CCTCCACATCT G AGAGATCACC	CCTCCACATCTTAGAGATCACC	CCTGTGGCTTCATCTACATCC	TCATGCATCATTTTATTCCAGA
TCF4	CCTAGTAATTGATTTGATATCCTTCTTG	CCTAGTA A GTGATTTGATATCCTTCTTG	AGGAATTAATGAAGCGACAGT	CGAAATCTTCGGAGGACAAG
PCDHA9	CGGTGTCTA G CCTGTTGGTTCTCA	CGGTGTCTATCCTGTTGGTTCTCA	GAGGTGACGCTGGTGGAT	GCACCGCAGCACAGTGTA
DNALI1	AGGGCAGCTGCTG G GTTGCTACT	AGGGCAGCTGCTGTGTTGCTACT	CATGGTGACGGCAAACAAG	GGGTGTCGTACTIONTGGCAAAG
ZP1	GAGAACT G GCTGGTGTCTGG	GAGAACT T GCTGGTGTCTGG	CTGGCGACCAGCTCATCTAT	CCCTTACTGGAAGGTGCTGT
HERC2	TCCTGGTGGGAGAG C AGCGC	TCCTGGTGGGAGAA A CAGCGC	ACAGCTGGCTGAGACAGGAT	GACAAGTGGACCTGGACCTG
ZNF335	CCTCACCGCT G CCCGCAGA	CCTCACCGCTTCCCGCAGA	GTGGCTCAGGTTAGCTCCAC	TGCTGACTCACACAAAGGAGA
KBTBD5	CAAATGGGGT G AATCGGACCC	CAAATGGGGT T AATCGGACCC	CCGTCTCCTCCAGGTCATT	GCCGCCAATTACGTAGACA
CDK9	CAGACTTTGGGCTGGCCCGG	CAGACTTTGGG C GGCCCGG	GATCCTGCATAGGGACATGAA	GTTCTTGGCCAGGCTGAA
PLSCR1	TGGGGCCAGG G TAGCCACTATAT	TGGGGCCAGG T TAGCCACTATAT	GTGGGGGTGGGTAGCTGA	CCATTTTTGGTGCAGTTACAAA

*VIC conjugated probes are used to detect normal genotypes and 6-FAM conjugated probes are for variant genotypes. The variant and the corresponding normal nucleotides are marked in bold in the TaqMan probes.

Supplementary Table 2. Summary of capture efficiency

	Leukemia	Remission
Total high quality reads obtained	88807512	79716978
Unique reads	76448344	72261339
% reads mapped to one site in hg 19	95.80%	95.90%
% of >10x covered target bases	94.40%	93.90%

Table 3. Summary of genomic variations

	Leukemia/Remission
Total SNV	97926
Called Somatic SNV	22326
Novel Somatic SNV	4580
SNV in genic regions	2123
SNV in coding regions	1956 (95.3%)
Synonymous mutation	484 (24.7%)
Non-synonymous mutation	1470 (75.2%)
Predicted as damaging mutation by SIFT	704 (36.0%)
Predicted as tolerated mutation by SIFT	1230 (62.9%)