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**Supplementary Table 1. Primer sequences for target genes**

Gene name	Target position	Accession No.	Primer sequence	Expect size
TET1	5642 bp – 5788 bp	NM-001253857	5'-ATGAGCGGCACCCTGAAGCG-3' 5'-GCACCGAGCCGTGAATGGGT-3'	147bp
TET2	4319 bp – 4422 bp	NM_001040400	5'-AGAGAAGACAATCGAGAAGTCGG-3' 5'-CCTTCCGTACTCCCAAACATCAT-3'	104bp
TET3	4367 bp – 4471 bp	NM_183138.2	5'-CACGGCTTCGAGGCAAGCCA-3' 5'-CCCCGGTTCCCATCCCCCAT-3'	105bp

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**Supplementary Table 2. ShRNA sequences**

Name	Target sequence
Negative control	5'-TTCTCCGAACGTGTACAGT-3'
TET1 KD1 <sup>a</sup>	5'-GCTCATGGAGACTAGGTATGG-3'
TET1 KD2 <sup>a</sup>	5'-GCAGATGGCCGTGACACAAATT-3'
TET2 KD1 <sup>b</sup>	5'-GGGTAAGCCAAGAAAGAAA-3'
TET2 KD2	5'-CCAGGGATGTCCTATTGCTAAA-3'
TET3 KD1	5'-ACCGCATCTCGCTGGTCTTCTA-3'
TET3 KD2 <sup>b</sup>	5'-GCTCCAACGAGAAGCTATTTG-3'

**REFERENCES:**

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b. Pronier E, Almire C, Mokrani H, Vasanthakumar A, Simon A, Mor BdCRM, Massé A, Le Couédic J-P, Pendino F, Carbonne B (2011) Inhibition of TET2-mediated conversion of 5-methylcytosine to 5-hydroxymethylcytosine disturbs erythroid and granulomonocytic differentiation of human hematopoietic progenitors. *Blood* 118 (9):2551-2555