**Supplementary Table S1.**

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| --- | --- | --- |
| Gene  | Forward/reverse  | Primers  |
| *Dot1L* | Forward | AACAACTACGAGCCCTTCTC |
| Reverse | CACCACCTGACCCACACC |
| *Etv1* | Forward  | CTCCTCTGATGATTAAACAGGAAC |
| Reverse  | CTTCTTGCCTCATGTAAATGGAATG |
| *Pparg* | Forward | ATAAAGTCCTTCCCTCTGACC |
| Reverse | TTGATCTGATCTTCTCCCATCC |
| *Lig4* | Forward | GTGGCAGTGTGGTACAGAAC |
| Reverse | TCAGCTCCTACAATGACACAG |
| *H-ras* | Forward | TTGCCATTAACAACACCAAGTCC |
| Reverse | ACATTTATTTCCCACCAGCACC |
| *Elolv7* | Forward | CTGCATGTCTTTCATCATTCCATC |
| Reverse | AGCATGAAACGTTCCTAAGCC |
| *SetBP1* | Forward | GATCCAGACGACCAAGAGAG |
| Reverse | GCTTGCTGACCAGTCAAGATG |
| *b-actin*  | Forward | TCATCACCATTGGCAATGAGAG |
| Reverse | CAGGACTCCATACCCAAGAAAG |
| *GAPDH* | Forward | GCAGATGCAGGTGCTGAG |
| Reverse | GGAGCTGAGATGATAACACGC |