**Supplemental Tables**

**Table S5. Primer sequences for mouse and rat genes (qRT-PCR)**

|  |  |
| --- | --- |
| rat GAPDH | Forward: AAGGTCGGTGTGAACGGATTT |
| Reverse: CTTTGTCACAAGAGAAGGCAGC |
| rat BRD2 | Forward: GGGTCTGCCGGATTATCACA |
| Reverse: GCCCCCTTCTTATGGCTGTT |
| rat BRD3 | Forward: AAGATGGTGAGGTCCCACAG |
| Reverse: GGTACTCACGGCTGTCCATT |
| rat BRD4 | Forward: CTGCCAGTAATGGGGGATGG |
| Reverse: ATTGGTGCTGGCTGCATTTG |
| rat EZH1 | Forward: CTACCAACCCTGTGACCACC |
| Reverse: ACTCACGAACGGCCAAGTAG |
| rat EZH2 | Forward: TGTGAGCTCATTACGCGG |
| Reverse: GGGTGTTGCATGAAAGGGATG |
| mouse EZH1 | Forward: AGTGCTTCCTGCTCCAATGC |
| Reverse: TCACACTCACGAACTGCCAA |
| mouse EZH2 | Forward: CGCCTCGGTGCCTATAATGT |
| Reverse: GTGCTGGGTCTGCTACTGTT |
| mouse GAPDH | Forward: GAGAGTGTTTCCTCGTCCCG |
| Reverse: ATGGGCTTCCCGTTGATGAC |
| mouse P57 | Forward: CATGTCCGACGTGTACCTCC |
| Reverse: GTTCTCCTGCGCAGTTCTCT |
| mouse UHRF1 | Forward: AGACCTCTCTGGCAACAAGC |
| Reverse: CATCATAGCGGTTGCCCTCT |
| mouse cyclinD1 | Forward: GCAAGCATGCACAGACCTTT |
| Reverse: GGTCCTTGTTTAGCCAGAGGC |