**Supporting Information**

**Table S2. Primers used in this study.**

|  |  |  |
| --- | --- | --- |
| **Gene** | **Primer** | **Sequence** |
| Gapdh (RT) | FP | ACCACAGTCCATGCCATCAC |
| RP | TCCACCACCCTGTTGCTGTA |
| Id4 (RT) | FP | GAGACTCACCCTGCTTTGCT |
| RP | AGAATGCTGTCACCCTGCTT |
| Snrpn outer (BS) | FP | TATGTAATATGATATAGTTTAGAAATTAG |
| RP | AATAAACCCAAATCTAAAATATTTTAATC |
| Snrpn inner (BS) | FP | AATTTGTGTGATGTTTGTAATTATTTGG |
| RP | ATAAAATACACTTTCACTACTAAAATCC |
| IAP (BS) | FP | TTGTGTTTTAAGTGGTAAATAAATAATTTG |
| RP | CAAAAAAAACACACAAACCAAAAT |
| Xist outer (BS) | FP | TGGTTTGTTTAAGTAGAAGATATATTG |
| RP | AAAAATCTTACCAAAACATATCAAAAC |
| Xist inner (BS) | FP | GTATAGATAGGTGTGTGATTTAATG |
| RP | TTTAATATATTTTCTTAAATAAACC |

RT=RT-PCR, BS=bisulfite sequencing-PCR, FP=forward primer, RP=reverse primer