Supplementary Table 1

Primer sequence for qRT-PCR:

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| Gene name | Sequence |
| Mmu Xist | F:5ʹ-GTCAGCAAGAGCCTTGAATTG-3ʹ; R: 5ʹ- TTTGCTGAGTCTTGAGGAGAATC-3ʹ |
| Mmu miR-590-3p | F: 5ʹ-GGCCCGTGGTAATTTTATGTATA-3ʹR:5ʹ-GTGTCGTGGAGTCGGCAATTC-3ʹ |
| Mmu Tgif2 | F:5ʹ-TCGGAAGGATGGCAAAGACC-3ʹR:5ʹ-AGCACACAGACAAGGAGAGC-3ʹ |
| Mmu U6 | F:5ʹ-CGCTTCACGAATTTGCGTGTCAT-3ʹR:5ʹ-GCTTCGGCACATATACTAAAAT-3ʹ |
| Mmu β-actin | F:5ʹ-TATAAAACCCGGCGGCGCA-3ʹR:5ʹ-CGCAGCGATATCGTCATCCA-3ʹ  |