

SUPPLEMENTARY TABLES

Supplementary Table 1. Primer sequences for PCR and qRT-PCR.

| Gene | Forward primers (5'→3') | Reverse primers (5'→3') |
|------------------|--------------------------------|--------------------------------|
| Mmu-XIST | GTCAGCAAGAGCCTTGAATTG | TTTGCTGAGTCTTGAGGAGAATC |
| Mmu <i>c-Fos</i> | TGGCTGGTGCAGCCCACTCT | CTTCACCATTCCCCTCTGGCG |
| Mmu-GAPDH | GGG AAGCCCATCACCATCTTC | AGAGGGGCCATCCACAGTCT |
| Mmu-miR-101a-3p | TGGGCTA CAGTACTGTGATA | TGCGTGTCTGTGGAGTC |
| Mmu-U6 | CGCTTCACGAATTTGCGTGTGCAT | GCTTCGGCACATATACTAAAAT |

Supplementary Table 2. Regent for transfection.

| Regent | Sense (5'→3') | Antisense (5'→3') |
|-----------------------|---------------------------|---------------------------|
| XIST siRNA1 | GCACUUCUCUUGUCAAUU | AUAUUGACAAGAGAAGUGC |
| XIST siRNA2 | GCUCUUCAUUUGGACUUA | UUAAGUCCAAAUGAAGAGC |
| XIST siRNA3 | AUAACAGUAAGUCUGAUAGAGGACA | UGUCCUCUAUCAGACUUACUGUUU |
| siRNA control | UUACUCAUGUGUCAUAACACAGGUG | CACCUGUGUUAUGACACAUGAGUAA |
| miR-101a-3p mimics | UACAGUACUGUGAUUACUGAA | UUCAGUUAUCACAGUACUGUA |
| NC mimics | UUCUCCGAACGUGUCACGUTT | ACGUGACACGUUCGGAGAATT |
| miR-101a-3p inhibitor | TTATCACAGTACTGT | |
| NC inhibitor | ACGTCTATACGCCA | |