

Table S2. Amplification condition for RT-PCR

| Target transcript | Amplification condition Primer* | Hold 1 (7 min) | Hold 2 (40 Cycles) | | | | | | Hold 3 (10 min) | Product size (bp) cDNA |
|-----------------------------------|------------------------------------|-------------------|--------------------|----------|-------------|----------|-----------|------------|--------------------|---------------------------|
| | | | Denature | | Annealing | | Extension | | | |
| | | | Temp. | Duration | Temp. | Duration | Temp. | Duration | | |
| <i>OCT4A</i> | AF1-AR1 | 95°C | 95°C | 20 sec | Grad** | 20 sec | 72°C | 30 sec | 72°C | 182 bp |
| | AF1-AR2 | 95°C | 95°C | 20 sec | Grad** | 20 sec | 72°C | 30 sec | 72°C | 200 bp |
| | AF2-AR1 | 95°C | 95°C | 20 sec | Grad** | 20 sec | 72°C | 30 sec | 72°C | 133 bp |
| | AF2-AR2 | 95°C | 95°C | 20 sec | Grad**/68°C | 20 sec | 72°C | 30 sec | 72°C | 150 bp |
| <i>OCT4B</i> and <i>OCT4B1</i> | BF1-R2 | 95°C | 95°C | 20 sec | 63°C | 30 sec | 72°C | 1 min | 72°C | N.D |
| | BF2-R2 | 95°C | 95°C | 20 sec | 63°C | 30 sec | 72°C | 1 min | 72°C | N.D |
| | BF3-R2 | 95°C | 95°C | 20 sec | 63°C | 30 sec | 72°C | 1 min | 72°C | 331bp |
| | BF3-RE3 | 95°C | 95°C | 20 sec | 63°C | 30 sec | 72°C | 1min | 72°C | 459bp / 770 bp |
| | BF3-BE5 | 95°C | 95°C | 20 sec | 64°C | 30 sec | 72°C | 1min 30sec | 72°C | 794 bp / 1,056 bp |
| <i>OCT4B</i> | | 95°C | 95°C | 20 sec | 57°C | 25 sec | 72°C | 30 sec | 72°C | 149 bp |
| <i>OCT4B1</i> | | 95°C | 95°C | 20 sec | 60°C | 25 sec | 72°C | 30 sec | 72°C | 179 bp |
| <i>ACTB</i> | | 95°C | 95°C | 20 sec | 63°C | 30 sec | 72°C | 30 sec | 72°C | 131 bp |

*0.5 μM of each primers was used for PCR.

**The annealing temperature was examined by using gradient PCR. The amplification using AF1-AR1, AF1-AR2, and AF2-AR1 pairs were examined at 60°C to 72°C condition with 2°C intervals.