S Table. Primer Sequences. Primers employed for pre-amplification and PCR.

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| **Gene** | **Forward Sequence (5’ to 3’)** | **Reverse Sequence (5’ to 3’)** |
| *Actn1* | TTAACACGCTGCAGACCAAG | TCTCTAGCCTCCGGATCTCA |
| *Gapdh* | CATGGCCTTCCGTGTTCCTA | CCTGCTTCACCACCTTCTTGAT |
| *Isl1* | ATGATGGTGGTTTACAGGC | TCGATGCTACTTCACTGCC |
| *Lmna* | TGAGTACAACCTGCGCTCAC | TGACTAGGTTGTCCCCGAAG |
| *Map2* | AGTGGCACCTCCACACCTAC | CGGATGATGGCAACTTTCTT |
| *Nanog* | GAAATCCCTTCCCTCGCCATC | CTCAGTAGCAGACCCTTGTAAGC |
| *Pou5f1* | CCGTGTGAGGTGGAGTCTGGAG | GCGATGTGAGTGATCTGCTGTAGG |
| *Rps18* | CTCTAGTGATCCCTGAGAAGTTCC | ACTCGCTCCACCTCATCCTC |
| *Sox2* | CTCGCAGACCTACATGAACG | AGTGGGAGGAAGAGGTAACC |