**Supplementary Table 1. List of primers.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl no** | **Gene name** | **Accession no.** | **Size**  | **AT** | **Primer sequences** |
| 1 | OCT-4 | EU926737 | 232 | 58 | F- GATATACCCAGGCCGATGTG R-TCGATACTCGTCCGCTTTCT ’ |
| 2 | CDX-2 | NM\_001206299.1 | 121 | 58 | F-GTCTGGAGCTGGAGAAGGAGR- CTGCGGTTCTGAAACCAAAT |
| 3 | IFN-tau  | M60903 | 166 | 56 | F-CAGAAAAGACTTTGGTCTTCCR-AGTGCAGAGCTGCTCCAGGAG |
| 4 | FGFR2 | NM\_001205310.1 | 280 | 58 | F-TACTTCATGGTCAATGTCACAG R- GTTTCGTACCTTATAGCCT  |
| 5 | GATA3 | NM\_001076804.1 | 185 | 58 | F- ATGAAACCGAAACCCGATGGR- TTCACAGCACTAGAGAGACC |
| 6 | GATA2 | XM\_583307.3 | 140 | 58 | F- GAGGACTGTAAGCGTAAAGGR- AAGAACCAAGTCTCCCCAT |
| 7 | ELF5 | NM\_001024569.1 | 147 | 56 | F-GCCTGTATCTCTGACTGTGR-GGGTAATACTCTTCATTGCTG |
| 8 | ETS2 | NM\_001080214.1 | 150 | 56 | F-CCGACCATGTCCTTCAAG R-CTTGTCGGAGAGCAATTC |
| 9 | PAG2 | NM\_176614.1 | 274 | 58 | F- GTGCCTTTTCTGAGCCTGTCR- ATGAGCTTGTGGATGTTGG |
| 10 | DNMT3a | NM\_001206502.1 | 188 | 58 | F-GTGCTGTCTCTATTCGATGGR-CCATTCCTGGATATGCTTCTG |
| 11 | DNMT1 | NM\_182651.2 | 138 | 58 | F-CTCAGAAGGGAGATGTGGAGR-TAGTAGTCACAGTAGCTGAGGA |
| 12 | GAPDH | GU32429.1 | 235 | 58 | F-ATCACCCTCGCTTCTACTGGR-AGGAGACAACCTGGTCCTCA |

AT – Annealing Temperature