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

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| --- | --- | --- | --- | --- | --- |
| **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-GTCTGGAGCTGGAGAAGGAG  R- CTGCGGTTCTGAAACCAAAT |
| 3 | IFN-tau | M60903 | 166 | 56 | F-CAGAAAAGACTTTGGTCTTCC  R-AGTGCAGAGCTGCTCCAGGAG |
| 4 | FGFR2 | NM\_001205310.1 | 280 | 58 | F-TACTTCATGGTCAATGTCACAG  R- GTTTCGTACCTTATAGCCT |
| 5 | GATA3 | NM\_001076804.1 | 185 | 58 | F- ATGAAACCGAAACCCGATGG  R- TTCACAGCACTAGAGAGACC |
| 6 | GATA2 | XM\_583307.3 | 140 | 58 | F- GAGGACTGTAAGCGTAAAGG  R- AAGAACCAAGTCTCCCCAT |
| 7 | ELF5 | NM\_001024569.1 | 147 | 56 | F-GCCTGTATCTCTGACTGTG  R-GGGTAATACTCTTCATTGCTG |
| 8 | ETS2 | NM\_001080214.1 | 150 | 56 | F-CCGACCATGTCCTTCAAG  R-CTTGTCGGAGAGCAATTC |
| 9 | PAG2 | NM\_176614.1 | 274 | 58 | F- GTGCCTTTTCTGAGCCTGTC  R- ATGAGCTTGTGGATGTTGG |
| 10 | DNMT3a | NM\_001206502.1 | 188 | 58 | F-GTGCTGTCTCTATTCGATGG  R-CCATTCCTGGATATGCTTCTG |
| 11 | DNMT1 | NM\_182651.2 | 138 | 58 | F-CTCAGAAGGGAGATGTGGAG  R-TAGTAGTCACAGTAGCTGAGGA |
| 12 | GAPDH | GU32429.1 | 235 | 58 | F-ATCACCCTCGCTTCTACTGG  R-AGGAGACAACCTGGTCCTCA |

AT – Annealing Temperature