**Additional file 2 Table S2.**Primer sequence, target product size, and accession number of target genes.

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| --- | --- | --- | --- |
| Gene | Primer sequence (5’-3’) | Product size (bp) | Accession No. |
| *β-actin* | F: | CCGTGAGAAGATGACCCAGATCATG | 612 | AY550069 |
| R: | CGTGATCTCCTTCTGCATCCTGTC |
| *Oct4* | F: | GGGGCTCACTTTGGGGGTTCTCT3 | 521 | NM\_001113060 |
| R: | CAGGGAATGGGACCGAGGAGTACA |
| *Sox2* | F: | CGGCGGTGGCAACTCTACTG | 604 | NM\_001123197 |
| R: | GGGCGAGCCGTTCATGTAGGT |
| *Nanog* | F: | CTTATTCAGGACAGCCCTGATTCTTC | 614 | NM\_001129971 |
| R: | AAGACGGCCTCCAAATCACTG |
| *Lin28* | F: | GTTCGGCTTCCTGTCCAT | 269 | NM\_001123133 |
| R: | AGTTGTAGCACCTGTCTCCCT |
| *c-Myc* | F: | GCGGGCACGGCGGCTACT | 443 | NM\_001005154 |
| R: | GGGGGGCGCTGCATAATTGT |
| *Klf4* | F: | CGCGCATGTGCCCCAAGATC | 380 | NM\_001031782 |
| R: | CCGGGGCCACGACCTTCTC |
| *Sall4* | F: | GCCCACCACCTACGTCAA | 343 | NM\_001114673 |
| R: | TCCGTCCGTCCCTAACAG |
| *Esg1* | F: | AGAAAGGTGGACGATAAGGA | 628 | ENSSSCG00000005291 |
| R: | GGTTTGGAGGAATTGTAGGT |
| *Esrrb* | F: | ATGAAATGCCTCAAAGTGGG | 315 | XM\_001928051 |
| R: | GGAGAAGCCTGGGATGTGC |
| *Prdm14* | F: | CGCCCCCAGTGGATGCTTCTCT | 541 | XM\_003125600 |
| R: | CGGGCACAGTTGACATAGGACATC |
| *Gfra1* | F: | GCCCTCAAACAGAAGTCG | 660 | ENSSSCG00000010655 |
| R: | TGTCCCAATAAGCCCAGA |
| *Thy-1* | F: | CTTATCAGGCTTCACTACCAA | 648 | ENSSSCG00000015122 |
| R: | CCTGCTGAAAGAGGTGCT |
| *Pgp9.5* | F: | ACAGAGAAGTTGTCTCCGGAAGA | 529 | AY459532 |
| R: | GGAACGCTTTGCCATCAGA |
| *Plzf* | F: | AGGCTCGGTATCTCAAGAACATC | 144 | ENSSSCG00000030095 |
| R: | TCATGGCTGAAAGACCAAACG |
| *Bcl6b* | F: | CGCTCCTCTTCTGGACTTCATG | 253 | XM\_003131927 |
| R: | CTCAGTAGGTGGGTCTGGGTGT |
| *Gcna* | F: | AGAAAGAGTCAGAGCCACCAAC | 372 | ENSSSCP00000008171 |
| R: | CCATAGGAAAGCCATCATAGAG |
| *Sohlh1* | F: | CTTGGTGCTGGGGTGTGC | 427 | XM\_003122284 |
| R: | GCATGGTCACGCTGGCTATT |
| *Sohlh2* | F: | ATCGGTGGGCATGAAAGG | 206 | XM\_001926611 |
| R: | TCGGCAGTTGGTAAAGCAGT |
| *Nanos3* | F: | ACCAGTGCCAGGACCAGA | 421 | ENSSSCG00000013759 |
| R: | ACAGCAGGGAGACGGAGA |
| *Vasa*  | F: | GCCCAGGAATGCCATCAAAGGAA | 342 | AY626785 |
| R: | CCCGCTCTCTCTGTTCCCGATCA |
| *Dazl* | F: | CCTCCTTACCCAAGTTCACC | 259 | XM\_003358321 |
| R: | CTGTCTGTATGCTTCGGTCC |
| *Stra8* | F: | CTACAAGCAGACGATGGACC | 489 | XM\_003134656 |
| R: | ATCTCATCATCAACGGGAAG |
| *Sycp1* | F: | TAAATGTAAATTGGACAAGAGTG | 803 | XM\_003125829 |
| R: | CCTTTGGTAATGGTGTAGATAA |
| *Sycp3* | F: | GGAGGATGTCATTGAAGGGAAG | 190 | ENSSSCG00000000863 |
| R: | GGTTTTGAGAGAAGCCTTGGTGTA |
| *Acrosin* | F: | TTGTGGTCGTGGGCATCAC | 381 | NM\_214033 |
| R: | GGAAAGTGCTTGGGGAGGTT |
| *Gsg2* | F: | TGGGGCAGATGGGAAGAGTA | 246 | ENSSSCG00000026658 |
| R: | TGGTGGTGATGAAGGAGGGA |
| *Gata4* | F: | CGCCGCCCGACACCCTAATC | 415 | AY115491 |
| R: | GCCCGAGGGACCTGCTGACG  |
| *Sox9* | F: | CCGCGAAGCCGTCAGCCAG | 240 | NM\_213843 |
| R: | GGCCGCTTCTCGCTCTCATTCAG |
| *α-Sma* | F: | AATGGCTCTGGGCTCTGT | 200 | DQ400922 |
| R: | TTGGTGATGATGCCGTGT |
| *Pdgfrα1* | *F:* | GACCACCACGGCTCTAATG | 348 | XM\_005674641 |
| *R:* | CACAATCACCAGCAACACC |
| *Lifr* | F: | ACGAGCCTATACAGACGGAGG  | 289 | XM\_005672426 |
| R: | ATTATTTGGGGTACAAGGATTCAT |
| *Cyp11α1* | F: | GCATCAAGCAGCAGGGTTC | 368 | NM\_214427 |
| R: | ATTTCCCAGGAGGCGGTAG |
| *Cyp17α1* | F: | GCTGGCACTGAGCACCTTT | 442 | NM\_214428 |
| *α*R: | TGCGTTCGTCTTGGCTTG |
| *Star* | F: | AGAGGCTTTATGAAGAGCTTGTGG | 329 | ENSSSCG00000026109 |
| R: | GGTGAGTTTGGTCTTTGAGGGA |
| *3β-Hsd* | F: | CCCCTTCAATCGCCACTTCGT | 401 | AF232699 |
| R: | CCCAGTCCCCTTGTCCTTCCC |
| *Sox3* | F: | TGCCTTGTACCGTTGATGGGGA |  197 | ENSSSCG00000022501 |
| R: | GGAGGAGGGGGGCTGCTTTT |
| *Acta2* | F: | GAGAAGATGACCCAGATTATGTTT |  493 | FJ547477 |
| R: | TGTTGTAGGTGGTCTCATGGAT |
| *Afp* | F: | AGCAAAAGCCACAAATAACAGA |  208 | NM\_214317 |
| R: | TTCACACCAAACCATAAAGACC |
| *β-actin-qPCR* | F: | AGGGCAGTAGCATCGCTTTAGT |  118 | AY550069 |
| R: | AAGGGGATTGTGATGGCTGA |
| *Oct4-qPCR* | F: | CAAGCAGTGACTATTCGCAACG |  202 | NM\_001113060 |
| R: | GAGCCCAGAGGGGTGACAGA |
| *Sox2-qPCR* | F: | CAACCAGAAGAACAGCCCAGA |  156 | NM\_001123197 |
| R: | TCCGACAAAAGTTTCCACTCG |
| *Nanog-qPCR*  | F: | TGGATCTGCTTATTCAGGACAGC |  115 | NM\_001129971 |
| R: | TGCTTCTTGACTGGGACCTTTT |
| *Lin28-qPCR* | F: | CTGAAGGAGGGTGAGGCTGTG |  198 | NM\_001123133 |
| R: | GCATTCCTTGGCATGATGGT |
| *c-Myc-qPCR*  | F: | CCCTCCACCAGGAAGGACTAT |  162 | NM\_001005154 |
| R: | CCTCTGGCGTTCCAAGACATT |
| *Klft4-qPCR* | F: | AGCCCATCGGTCATCAGTGTTA |  107 | NM\_001031782 |
| R: | TGCTTGATCTTGGGGCACAT |
| *Tert-qPCR* | F: | GGAAGATGAAAGTGCAAGACTGC |  171 | ENSSSCT00000018636 |
| R: | TGGTCTCCGTGACATAAAAAAAC |
| *Oct4-DMR* | F: | TTTTGTGGGAGAGTTTAGGGTAG |  180 | ENSSSCG00000001393 |
| R: | ATCCCCTCAAAAACTAAACCTC |
| *Nanog-DMR* | F: | TGAGGTTGGTAGATAGGATTAATTG |  190 | ENSSSCG00000004977 |
| R: | AAAATAAAATAAAATAAATCACCCT |
| *H19-DMR*  | F: | GGTTGTGGGTGTGGAGGTAGAAG |  205 | AY044827 |
| R: | CACTAAACACCCAACCTTTAACAC |