

Table S1: Primer sequences

| Gene | Forward | Reverse |
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| Prkar2b | F: 5'-GCTATTTAGGTGACACTATAG TGTCAAAGAAGGGGAACAC-3' | R: 5'-TTGTAATACGACTCACTATA GGGTTCCACAGCTCCGTTCTC-3' |
| Nap1lc | F: 5'-GCTATTTAGGTGACACTATAG GCCTGGAATTCCCTTGTCAAA-3' | R: 5'-TTGTAATACGACTCACTATA GGGATCACAGCTGCAGGACCTCT-3' |
| Col3a1 | F: 5'-GCTATTTAGGTGACACTATAG AATGGCTCACCAGGACAAAG-3' | R: 5'-TTGTAATACGACTCACTATA GGGGGCCAGGTTCTCCAGCTA-3' |
| Bmpr1b | F: 5'-GCTATTTAGGTGACACTATAG TAGACGCAAAGTCCATGCTG-3' | R: 5'-TTGTAATACGACTCACTATA GGGCTCCTTGCAATCTCCCAG-3' |
| Col1a1 | F: 5'-GCTATTTAGGTGACACTATAG ACTGGTACATCAGCCCGAAC-3' | R: 5'-TTGTAATACGACTCACTATAG GGGGTGGAGGGAGTTTACAC-3' |
| Cyb5 | F: 5'-GCTATTTAGGTGACACTATAG CACTCTACGGATGCACGAGA-3' | R: 5'-TTGTAATACGACTCACTATA GGGCACAGGAGGAAAGGGAAA-3' |
| Cyp1b1 | F: 5'-GCTATTTAGGTGACACTATAG CAGCAACTTCGTTCTGGACA-3' | R: 5'-TTGTAATACGACTCACTATA GGGACAGGCCAAAAAGCTGGAG-3' |
| Cyp17a1 | F: 5'-GCTATTTAGGTGACACTATAG GTCACGGTGGGAGACATCTT-3' | R: 5'-TTGTAATACGACTCACTATA GGGCATAAACCGATCTGGCTG-3' |
| Foxl2 | F: 5'-GCTATTTAGGTGACACTATAG TCATAGCCAAGTTCCCGTTC-3' | R: 5'-TTGTAATACGACTCACTATA GGGCCAGGAGTTGTTGAGGAA-3' |
| Hbb-b1 | F: 5'-GCTATTTAGGTGACACTATAG GCACCTGACTGATGCTGAGA-3' | R: 5'-TTGTAATACGACTCACATAG GGACGATCATATTGCCAGG-3' |
| Hsd3b1 | F: 5'-GCTATTTAGGTGACACTATAG ACTCCAAATCTGTGGCTGCT-3' | R: 5'-TTGTAATACGACTCACTATA GGGGCTCAGGGCTTGCTCATAAC-3' |
| Inha | F: 5'-GCTATTTAGGTGACACTATAG CTCCCAGGCTATCCTTTTCC-3' | R: 5'-TTGTAATACGACTCACTATA GGGCCTAGTGTGGGCTACCAG-3' |
| Inhba | F: 5'-GCTATTTAGGTGACACTATAG ATGATGACCTTTGCCGAGTC-3' | R: 5'-TTGTAATACGACTCACTATA GGGCTTCTTCCCATCTCCATCCA-3' |
| Srfp2 | F: 5'-GCTATTTAGGTGACACTATAG CACGAGACCATGAAGGAGGT-3' | R: 5'-TTGTAATACGACTCACTATA GGGACGCCGTTTCAGCTTGTA-3' |
| Lhcgr | F: 5'-GCTATTTAGGTGACACTATAG CGCTTTCCAAGGGATGAATA-3' | R: 5'-TTGTAATACGACTCACTATA GGGAATCGTAATCCCAGCCAC-3' |
| Esr2 | F: 5'-GCTATTTAGGTGACACTATAG GGGTGAAGGAGCTACTGCTG-3' | R: 5'-TTGTAATACGACTCACTATA GGGAACGAGGTCTGGAGCAA-3' |
| Hsd17b1 | F: 5'-GCTATTTAGGTGACACTATAG ACTCCAAATCTGTGGCTGCT-3' | R: 5'-TTGTAATACGACTCACTATAG GGGCTCAGGGCTTGCTCATA-3' |
| Gata4 | F: 5'-GCTATTTAGGTGACACTATAG CTGTGCCAACTGCCAGACTA-3' | R: 5'-TTGTAATACGACTCACTATAG GGCTGCTGTGCCCATAGTGA-3' |
| Akr1c1 | F: 5'-GCTATTTAGGTGACACTATAG GTTGCCAAAAGCCACCAAAT-3' | R: 5'-TTGTAATACGACTCACTATA GGGCCTCCGGTTAAAGTTGGA-3' |
| Esr1 | F: 5'-GCTATTTAGGTGACACTATAG TACGAAGTGGGCATGATGAA-3' | R: 5'-TTGTAATACGACTCACTATA GGGGTGAAGGAGCTACTGCTG-3' |
| Cyp19a1 | F: 5'-GCTATTTAGGTGACACTATAG CGGATAAGTAATGCCCCAGA-3' | R: 5'-TTGTAATACGACTCACTATA GGGGCACAGGCTCGAGTACTT-3' |
| Akap12 | F: 5'-GCTATTTAGGTGACACTATA GGCGAGAGTAGGAAAGCCACT-3' | R: 5'-TTGTAATACGACTCACTATA GGGAAGCCGACGTCATTAGCT-3' |
| Dcn | F: 5'-GCTATTTAGGTGACACTATA GAAGAAGGGCCTTCAAGAAC-3' | R: 5'-TTGTAATACGACTCACTATA GGGCATAACGGTGATGCTGT-3' |

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| Dlk1 | F: 5'-GCTATTTAGGTGACACTATA GCGGGAAATTCTGCGAAATAG-3 | R: 5'-TTGTAATACGACTCACTATA GGGCTTGCACAGACACTCGAAGC-3 |
| Cyp7b1 | F: 5'-GCTATTTAGGTGACACTATAG CCAGCTATGTTCTGGGCAAT-3 | R: 5'-TTGTAATACGACTCACTATAG GGTCCCTCCTTTGAAAAACG-3 |
| Hoxa5 | F: 5'-GCTATTTAGGTGACACTATAG AAAAACTCCCTGGGCAACTC-3 | R: 5'-TTGTAATACGACTCACTATAG GGGGATGAGCTATTTTCGAT-3 |
| Cyp11a1 | F: 5'-GCTATTTAGGTGACACTATAG GCTGGAAGGTGTAGCTCAGG-3 | R: 5'-TTGTAATACGACTCACTATAG GGTTCTTGAAGGGCAGCTTG-3 |
| Grb10 | F: 5'-GCTATTTAGGTGACACTATAG AAACAAAGCGAAGACCGAGA-3 | R: 5'-TTGTAATACGACTCACTATAG GGCACGAGACCTTGTTGCTT-3 |
| OSAP | F: 5'-GCTATTTAGGTGACACTATAG GGGAAGCCTCGGTTATCTTC-3 | R: 5'-TTGTAATACGACTCACTATAG GGAAGGACCTTTTCCAGGATGG-3 |
| Cited2 | F: 5'-ACTGCCATCTCGCTTCATTT-3 | R: 5'-CACTGACGACATTCCACAC-3 |
| Fst | F: 5'-AGAGGTCGCTGCTCTCTCTG-3 | R: 5'-CCTCTTCTCCGTTTCTTGC-3 |
| Gjal | F: 5'-AACCTTGACTTCCGAGCAGA-3 | R: 5'-CTTGGGGAACAAAGGAATCA-3 |
| Ppar-y | F: 5'-AATGCGAGTGGTCTTCCATC-3 | R: 5'-CTGTGAGACCAACAGCCTGA-3 |
| Smarca1 | F: 5'-TCCTTTTCCAGGAGCTCAAA-3 | R: 5'-AGCTGGGTACAGTGGAATGG-3 |
| Gata2 | F: 5'-TGCATGCAAGAGAAGTCACC-3 | R: 5'-ACCACCCTTGATGTCCATGT-3 |
| Gli3 | F: 5'-TGCCCATCAGCTACTCAGTG-3 | R: 5'-TTGTTGCAGAGTGAGGTTGC-3 |
| Igf2 | F: 5'-GAGTTCAGAGAGGCCAAACG-3 | R: 5'-CCTGCTCAAGAGGAGGTCAC-3 |
| Mest | F: 5'-TGGGCTTCATCAACTCCTC-3 | R: 5'-GAGTTCAGCTGCCTGATC-3 |
| Sox9 | F: 5'-AGCTACCAGACCCTGAGAA-3 | R: 5'-TCCCAGCAATCGTTACCTTC-3 |
| β -actin | F: 5'-TGTTACCAACTGGGACGACA-3 | R: 5'-CCATCACAATGCCTGTGGTA-3 |