

SM Table 4 : Primers

| Primer | Sequence (5'>3') | Target and Purpose |
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| RHL927 | AGGGAAATGCAGCGCGAG | <i>Ppa-hsd-2</i> cDNA |
| RHL930 | GAGGCACGAGCAACTTGG | <i>Ppa-hsd-2</i> cDNA |
| RHL1006 | TTCTCCTTCAGGCAAACCTCGTAG | Genotyping the <i>csu60</i> deletion |
| RHL1007 | TACGGTATCGCGGTTGGGTATCG | Genotyping the <i>csu60</i> deletion |
| RHL1012 | TAGGAGATCTTCTAGAAAGAACAA GCTCACTAACCAGTG | <i>Ppa-hsd-2</i> promoter for rescue construct |
| RHL1013 | GTTGGTGCATTTTTACTAGAATTTA CGATAGGAAATAG | <i>Ppa-hsd-2</i> promoter for rescue construct |
| RHL1014 | TCTAGTAAAAATGCACCAACGCTG CTGC | <i>Ppa-hsd-2</i> cDNA for rescue construct |
| RHL1015 | TAACAATCAACAATAACAATTCATTT GAAGTAGAAAAACAACACAGCC | <i>Ppa-hsd-2</i> cDNA for rescue construct |
| RHL1016 | ACTTCGAATCTTCTCGACGCATC | Genotyping the <i>csu60</i> deletion. Amplicon present only in wildtype. |
| RHL1097 | GTTGATAAGGAACAACAGCAGCG | <i>Ppa-odr-3</i> qPCR primer for exon 2 |
| RHL1098 | CCGCATTCTCCAGCTCCTAAC | <i>Ppa-odr-3</i> qPCR primer for exon 2 |
| RHL1099 | GAATCGTTTTCAATAACACGGTCA C | <i>Ppa-odr-3</i> qPCR primer for exon 5 |
| RHL1100 | AATCATAGCTTTCTCGGGCTCC | <i>Ppa-odr-3</i> qPCR primer for exon 5 |
| RHL1066 | TTTTACTAGAATTTACGATAGGAAAT AG | Gibson Assembly vector backbone containing <i>Ppa-hsd-2</i> promoter and <i>Ppa-rpl-23</i> 3'UTR, for <i>Ppa-hsd-2p::turbo RFP</i> reporter. |
| RHL1067 | TATCGTAAATTCTAGTAAAAATGAG CGAGCTGATCAAG | Gibson Assembly of turbo RFP with overlap to <i>Ppa-hsd-2</i> promoter to make <i>Ppa-hsd-2p::turbo RFP</i> reporter. |
| RHL1068 | TAACAATCAACAATAACAATTCATC TGTGCCCCAGTTTG | Gibson Assembly of turbo RFP with overlap to <i>rpl-23</i> 3'UTR to make <i>Ppa-hsd-2p::turbo RFP</i> reporter. |
| RHL1177 | GAATTCTGATCCGGGTTTAGC | For genotyping <i>Ppa-hsd-2(csus88)</i> . When combined with RHL1133, Amplicon present in wildtype but fails in <i>csus88</i> . (595 bp amplicon) |
| RHL1155 | TTGATGAAGGACGTTCTACTGC | Reverse primer 3' of RHL1134 on <i>Ppa-hsd-2</i> . When combined with RHL1133, the amplicon is present in wildtype but fails in <i>csus88</i> . (932 bp amplicon) |
| RHL1112 | ACTCGTTTCACCGAGGCG | For genotyping <i>Ppa-hsd-2</i> CRISPR/cas-9 alleles |
| RHL1133 | GGGAACACACATTGACCAATCG | For genotyping <i>Ppa-hsd-2</i> CRISPR/cas-9 alleles |

| | | |
|---------|-----------------------|--|
| RHL1134 | CGCAGTCCAGAGTTCAGAGGC | For genotyping <i>Ppa-hsd-2</i> CRISPR/cas-9 alleles |
| RHL1109 | CAACGCTGCTGCATCATCGG | <i>Ppa-hsd-2</i> crRNA 1 |
| RHL1185 | CTTTGGGCAGCATGTCGCCA | <i>Ppa-hsd-2</i> crRNA 2 |
| RHL931 | TGGAGTACGATGACCTCG | PPA35084 cDNA |
| RHL934 | GGTTGGCAGTTGTCCATC | PPA35084 cDNA |
| RHL1198 | CGCGATGACCAAAGGCGAC | <i>Ppa-tw-2</i> cDNA |
| RHL1199 | TCGAGGTCGACACTAGACTGG | <i>Ppa-tw-2</i> cDNA |