

Additional file 9 - Specific primers used for gene cloning and qRT-PCR.

Target gene	For gene clone (5'-3')	For qRT-PCR (5'-3')
<i>LbDXS1/LrDXS1</i>	F: ATGGCTTTGTGTGCATATGC R: TTATGTCATGATCTCTAGAGCTTCTC	F: TCATCAATGGCAGCAGCAGT R: AGAGCAGGTCTTGTGGAGC
<i>LbDXS2/LrDXS2</i>	F: ATGGCAGTTTCTTCAGGTCC R: TTAATTTACTACCATAGCTTCCTTTG	F: AGTATTCTTCCCTTACCAACCTC R: GTAGCGTACATGGCTTGTTTG
<i>LbPSY1/LrPSY1</i>	F: ATGTCTGTTGCCTTGGCACAG R: CATGCCTTAGCTTAGAGGAGAC	F: TGCTGGAGAAATGACGACGATG R: GTCCAAATTTCCCGAATAGGTATG
<i>LbPSY2/LrPSY2</i>	F: ATGAGCATGTCTGTGTGCTTTGTTG R: TCATGTCTTTGCTTGTGGAGAAG	F: ACAGGAATTCTATGTGGAAGGGGGAG R: CCAAAGTGGACTGTGTAGAAAACTGC
<i>LbPDS/LrPDS</i>	F: TGTAGGTAAGTCCAAACCAC R: TGATTAAAGAATGCTAATCTTCAA	F: TGCTTGGTGGGCAATCTTATG R: TGACATGGCGATGAACACCTC
<i>LbCRTISO/LrCRTISO</i>	F: ATGGGTACCTTGAATTTTATGTTTC R: GTCTCATGTAGTGTCTTAAACCA	F: GAATGCCACCAGATGGGATAC R: CTGGTGGGAGAACATCTGCTT
<i>LbZDS/LrZDS</i>	F: ATGGCTACTTCTCAGCTTATTTTTG R: TTAGACAAGACTCAACTCATCAGATAGC	F: TCAATGTGCTTACGCCTGG R: ACTGATGACCAGGTAACCTCAAGAC
<i>LbZ-ISO/LrZ-ISO</i>	F: ATGGCCACTTCAATTTTTCTCTCA R: CTACCAGTGTAGCCGATAACTGG	F: GGACCGAAGGTTAGCAATACG R: CCTTGTAAATAATCTTCGGGCAAC
<i>LbLCY-B/LrLCY-B</i>	F: ATGGATACACTGTTGAAAACCCC R: CTCCTGATAAGTTATTCTGAATCCTG	F: TCAAGAAAAGATGGTGGCTCG R: CACTCTCTGAGGTAATACCGGAAG
<i>LbCYC-B/LrCYC-B</i>	F: ATGGAACTCTTCTCAGGCC R: TCAAAGGCTCTCTACTGCTAG	F: TGACCCTTCAACTTTCCA R: TTCTTCATGCTTCACCTCCC
<i>LbLCY-E/LrLCY-E</i>	F: ATGGAGTGTGTTGGAGTTCAAA R: GGCCTCTGTCTGAAAGAGAACA	F: TGCGAGGGTGACATTGTGATTG R: TTATCGACCTCAACCTCCACTCC
<i>LbCRTR-B1/Lr CRTR-B1</i>	F: ATGGCAGCCGCCAGAATTTCC R: CCAATCATTATGATCCCTTTG	F: TGAAGAGTTGAAAAGGAAGTG R: GTGATAGGAGTATTATCAACAATGACC
<i>LbCRTR-B2/LrCRTR-B2</i>	F: CTGCAAGGTGTCCACACAGTAAG R: GCTAGAGCCTAATTACAGGTACATG	F: GTAGGAGGACTTGAGGAGTTGGA R: GCTAGAGCCTAATTACAGGTACATG
<i>LbCYP97A29/LrCYP97A29</i>	F: ATGGCTGCTTCTGTTCCTCTTC R: TTATGATCGAACACTAGAAGCTTCG	F: TTCCGGTTGACTTTTGGTG R: ACACGCCAAATTTCTCCATC
<i>LbCYP97C11/LrCYP97C11</i>	F: ATGCCATTTTCACTCACCATATCT R: TTACAGAGCAGCAGCCAAAACA	F: AGTTGACAGAGTTTTGGGAGGAC R: AGGACAGGTGGATGTGGATAGA
<i>LbZEP/LrZEP</i>	F: ATGTATTCAACTGTCTTTTACAC R: TTCCCGTTTATATCAGGTCA	F: TGCTGATGGCATAAGGTCTAAGG R: AACGAAGTACTGTTTGTGGCCC
<i>LbVDE/LrVDE</i>	F: ATGGCTCTCGCCCCCTAAT R: CTACCTTAATTTCTTATTGGTAATGC	F: GCAACAATAGACCTGATGAAACGG R: TTCACCCACATCAGATTACGAGG
<i>LbNCED1/LrNCED1</i>	F: ATGGCCACTTCTTCTCCTGCTA R: TTAGGCCTGATTTGCCAAGTCT	F: ATGATTTCCGGATAACGGAG R: ACAATCAGGCACCTTCAACCC
<i>LbNCED6/LrNCED6</i>	F: ATGTCTTTTCTCATCTCCACCGT R: AACAAGAAGAAGATTGATTACATAAATC	F: CCGGTTTTTCTTAAACCGAT R: TTGCATCAACCAAACAAAA
<i>LbCCD1A/LrCCD1A</i>	F: ATGGGGAGAAAAGAAGATGATGA R: TCACAGCTTGGCTTGTCTTGA	F: GCTTTTGGCACTTTCAGAGG R: ACGGTGGGGTGTGAGAGTAG
<i>LbCCD4/LrCCD4</i>	F: GCCTTACTCCTCACTCTCCTACTC R: CCTGCCAATTCATTCATCAC	F: TGCCAAAGGTAACAGGGGTAG R: GAAGGAGCCTTCTCCAAATAGTC

<i>LbCHRC/LrCHRC</i>	F: ATGGCTTCCATCTCTTCTCTCAATC R: TTAAGGCTTCAAGAGGGGACTGC	F: TCCATTTCAAATCAACCACCAA R: AAACACTGCCTGCATCTCCTCT
<i>LbOr1/LrOr1</i>	F: ATGGTGTGGGCAGGTAGAATG R: TTAATCGAAGGGATCAATTCG	F: CTGCATTGATGGTTGTTGAAATC R: TGACAGAGGGTTGTCCGCTC
<i>LbOr2/LrOr2</i>	F: ATGGGCTCTATGTTTTTTTGC R: TTAATCAAATGGATCTATACGAAGG	F: GAAGCTAACAACGTGGTCCAA R: TTAAGAGATGGTACACGCAACG
<i>LbHSP21/LrHSP21</i>	F: TGGCAATCACCCTCCTCA R: GGAAAGGGAAACAGGAAGAGC	F: GACAGACTATTCGAAGATGCC R: ATTTCCACGGATACTTTCACG
<i>LbACTIN/LrACTIN</i>		F: CAATCGGGTATTTCAAGGTCAAG R: GAGCAGTGTTTCCCAGCATTG
