

Supplementary information. The primers used for real-time RT-PCR assay.

Gene	Accession number	Forward primer sequence 5' -> 3'	Reverse primer sequence 5' -> 3'
RBOHD	NM_124165	¹⁴⁴¹ TCGAAACACCATCACTTGGCT	¹⁵⁶⁵ CCGCATGGAGTAAAAACACCG
CSD1	NM_100757	¹²⁴ TGTTACGGGGACTATCTTTT	²⁷⁶ TTGAAATGTGGACCAGTAGA
APX1	NM_001035914	²⁸⁵ ATGACGAAGAACTACCCAAC	⁵⁷⁵ ATGGAAATCAGCAAAAGAGA
ACS 2	NM_100030	¹⁰⁵⁰ TCCGATGATCAGTTTGTGGA	¹²⁹³ AGGAAGAGCCAGGAGACACA
ACS 6	NM_117199	²³¹ ATGGGTCTCGCTGAAAATCA	⁵⁷⁹ TCACTCCGGTTCATCTC
ACO1	NM_127517	²⁹ GCAACTATGCCTCCTAACAC	²¹⁷ CTTCTCTCCATCCAACCTCTG
ACO2	NM_104918	⁶⁵⁷ AGCAATTATCCACCATGTCC	⁸⁵⁶ TTGGTTATCACCTCAAGTTG
ACO3	NM_101073	²²⁴ GAGAGGATGACAAAGGAACA	³⁷¹ TAGATTGAGGGAGATGATGG
ACO4	NM_100380	⁷⁷⁴ TCGATGTTCCCTCCGGTTAAG	⁹⁷⁷ CTGCTTCTTTTCCGATCAGC
ACO5	NM_106161	⁴⁵⁶ AGCGAGCAAGATGATGGAAGT	⁶⁰³ AGGATGAGGACAAGGAGGGT
ICS	NM_106129 NM_101744	⁶⁸² CCTCTGATTTCGTGCCTATGG	¹⁰⁹⁴ GGATCAATGTCGGTATCCGT
LOX4	NM_105911	¹³¹¹ CGAGGGCTTGCTTAGATACG	¹⁵⁰² GTGAGAGCGGAGTGAAGACC
LOX5	NM_113137	¹⁰⁶⁵ CTCTGTTTGCGACAAGACCA	¹²⁷³ CCGATCTGCTCTCTTTGAGG
PR1	NM_127025	⁷⁷ GCTCTTGTAGGTGCTCTTGT	²⁴⁰ TTGCCCTTAGTTGTTCTGC
PR2	NM_115586	⁵³⁸ TCCTCCGTCTCAAGGAAGGT	⁶⁶⁸ CCGTGTCTCCCATGTAGCTG
PR3	NM_112085	³ TGCCTCCACAAAAAGAAAACCA	¹⁴⁹ CATAGACCGTTGGGGCAGAG
PR4	NM_111344	²¹¹ CAATTGTTGGGGAAGTGGGC	³²⁶ AAGCACTCACGGCTCTCAAA
PR5	NM_106161	³²⁵ GGAGACTGTGGCGGTCTAAG	⁴⁷² CGGATGGTCTTATCCCCAGC
MPK1	NM_100895	⁸⁶³ TCGGAAGCCAAAGAGAAGAA	¹⁰⁶⁹ TGTATGGATGCTGGAGTGCT
MPK3	NM_114433	⁸¹⁰ ATGTTTGGTCTGTTGGTTGT	⁹⁶⁹ TATCTTTTTCGCATCCTCATT
MPK4	NM_116367	¹²¹⁵ ACCGTGAAACAGTCAAGTTC	¹³²⁷ AAAGCAGAGCAAAACAAAAC
MPK6	NM_129941	⁷⁶⁶ CAAACCTGCGACCTAAAATC	⁹²⁷ TACAGCCTACAGACCAAACA
MKP1	NM_115385	²⁰³² TCCCTTCCCAAACCTTCTCCT	²¹⁹⁴ AAAGCAGGTGTGCCTCTGTT
AP2C1	NM_128557	¹³² GACCTCTTCTCCTTCTCCTC	⁴¹⁵ CATCACCTTCTCTCTCAACC
PP2A1	NM_104676	⁴⁹² AAGGTGCGTTACAGGGACAGA	⁵⁹⁵ CCGTATTTCTCAAGCATTCTG
PP2A2	NM_100918	²⁵⁴ TATCGGAGGCGGATGTGAG	³⁶² GAATATCGCCGCAAACGGTA
PP2A3 & 4	NM_001202803	⁴⁹⁹ CTGTTACGCTGTTAGTCGCC	⁶³⁴ TTGCGTTGCCGTACTTTCTG
ACT2	NM_112764	⁶³⁸ AACTCTCCCGCTATGTATGTCGC	⁹³⁸ CCATCTCCTGCTCGTAGTCAACA