

Supplementary Table 1 Primer sequences of the products are as follows.

Gene name:		Nucleotide sequence
GAPDH	forward:	5' GGTGAAGGTCGGTGTGAACG 3'
GAPDH	reverse:	5' CTCGCTCCTGGAAGATGGTG 3'
Copb1	forward:	5'AAGGCGATGTGAAGTCAAAGA3'
Copb1	reverse:	5'CGAAGAGTAGATCCACGAATA3'
Ephx1	forward:	5'CCTGGCTGCCTACATCTTAG3'
Ephx1	reverse:	5'CAGAAGGGAAGGCTGAATAG3'
Actb	forward:	5' AGAGGGAAATCGTGC GTGAC 3'
Actb	reverse:	5' CGCTCGTTGCCAATAGTGAT 3'
Tjp1	forward:	5' TCCTGAGCCGGTGTCTGATAA 3'
Tjp1	reverse:	5' TCTCCCTGCTTGCACTCCTAT 3'
Wasl	forward:	5' CTGTATGTGGGCAAAGAAGT3'
Wasl	reverse:	5' ATCTCCAGCAAAGGTATGAA 3'
Snrpn	forward:	5' AACGGGTTTTGGGTCTGGTCTT 3'
Snrpn	reverse:	5' TGCCTCTTCCCTGTGGGGTCAT 3'
Aurka	forward:	5' TCGGGGTGACATGGACAGATG 3'
Aurka	reverse:	5' GAAGGGACACGCTGGGAGTTA 3'
Vcp	forward:	5' ACACGGTGTTGCTAAAAGGAAAG3'
Vcp	reverse:	5' CCTAGGCGAACTCGGAGGTTATT 3'
Mapk8	forward:	5' CTCCAGCACCCATACATCA 3'
Mapk8	reverse:	5' TTCCTCCAAATCCATTACCT 3'
Ywhae	forward:	5' CGACGAAATGGTGGAATC 3'
Ywhae	reverse:	5' CTGCTGGAATGAGGTGTT 3'