

Table S1. Primer sequences of qRT-PCR

Gene	Forward 5'to '3	Reverse 5'to '3
GPX1	ACGGCGCATCTTCCAAAG	TGTTCCCCCAACCATTCTC
GPX2	ATCGCCAAGTCCTTCTACGA	ACGTTCTCGATGAGGACCAC
GPX3	CCTGCAGTACCTCGAACTGA	CTTCAGTGCAGGGAG GATCT
GPX4	CTTCGTCTGCATCATCACAA	TCGACGAGCTGAGTGTAATTCC
DIO1	GCGCTATAACCACAGGCAGTA	GGTCTTGCAAATGTCACCAC
DIO2	ATTTGCTGATCACGCTTACG	GCTCAGAAACAGCACCATGT
DIO3	CTGTGCATTTCGAAGAAGAT	GCCGACTTGAAGAAGTCCAG
Txnrd1	TACGCCTCTGGGAAATTCGT	CTTGCAAGGCTTGTCCCAGTA
Txnrd2	GCTCTTAAAGATGCCCAGCACTAC	GAACAGCTTGAGCCATCACAGA
Txnrd3	CCTGGCAAACGCTAGTTGT	CGCACCATTACTGTGACATCTAG
SelW	TGGTGTGGGTCTGCTTTACG	CCAAAGCTGGAAGGTGCAA
SelO	CCAGCGTTAACCGGAATGAT	ATGCGCCTCCTGGATTTCT
Sep15	ACTTGCTTCTCCAGTAACTTGCT	GCCTACAGAAATGGATCCAATA
SelP	CCAAGTGGTCAGCATTCACATC	ATGACGACCACCCTCACGAT
SelK	GAAGAGGGCCTCCAGGAAAT	CAGCCATTGGTGGTGGACTAG
SelI	TGCCAGCCTCTGAACTGGAT	TGCAAACCCAGACATCACCAT
SelU	GATGCTTTCAGGCTTCTTCC	CTGTCTTCTGCTCCAATCA
SelT	AGGAGTACATGCGGGTCATCA	GACAGACAGGAAGGATGCTATGTG
SePX1	TGGCAAGTGTGGCAATGG	GAATTTGAGCGAGCTGCTGAAT
SelH	CATCGAGCACTGCCGTAG	GACACCTCGAAGCTGTTCT
SelM	AAGAAGGACCACCCAGACCT	GCTGTCTGTCTCCCTCATC
SelN	CAGGATCCATGCTGAGTTCCA	GAGAGGACGATGTAACCCGTAAAC
SelS	CCGACATGGTGGTAAGAAGACA	GCTTGTGCATTCAACTCCTCTTG
SPS2	CGTTGGGTATCGGAACTGAC	CGTCCACCAGAGGGTAGAAA
BCL-2	ATCGTCGCCTTCTTCGAGTT	ATCCCAATCCTCCGTTGTCT
caspace-3	CATCTGCATCCGTGCGTCTGA	CTCTCGGCTGTGGTGGTGAA
caspace-9	ATTCTTTCCAGGCTCCATC	CACTCACCTTGTCCCTCCAG
BAX	GATGAAGCCACCCAGCAGTA	TGGATTCTCACAGTAGGAGGATG
BAK	ACCCGGAGATCATGGAGA	GATGCCTTGCTGGTAGACG
Drp1	GGCAGTCACAGCAGCTAACA	GCATCCATGAGATCCAGCTT
Mff	TGGGAAGGCTGAAGAGAGAA	GGTGTCCCTCAAGTGTGGT
Opa1	GCTACGGACCAGGGTTATGA	GCTCAAGCATCCGTTGGTAT
Mfn1	TGAGCATGTAGCAACGGAAG	AGCAAGCTGATTGACGGTCT
Mfn2	TACCAGGCAGATTTCCATCC	GTGATTGCATTGGAACAACG
NOX2	GGACTGTCCATCTTTGTCGT	TTACACGGGTAGAGCAGCAC
avUCP	GATGCAGAGAAACAGAGCGG	AAGGTGCAGAGGTGAGCGAT
HK2	TTCGACCACATCGTCCACTG	ACCACGTCCAGGTCAAACCTC
SDHB	CGGTCCAGGGGATCTGTGCG	AGATGCCTTCCCTGCATGAC
PK	AGCAGCAGGAGACACCGAAC	TGAGGCGGGCAACATTCAT
PDHX	ACGCTTGGGCTCCCTAATTG	TCCACTTTAGGAGGGGCAGA
β -actin	CCGCTCTATGAAGGCTACGC	CTCTCGGCTGTGGTGGTGAA

gga-miR-138-5p
U6

F: GCGCGCAGCTGGTGTTG
F:CACGCAAATTCGTGAAGCGTTCCA
