

**Supplementary Table 1 Information of the top 10 miRNA primers with significant fold change differences**

| <b>Primer Name</b> | <b>Sequence</b>                        |
|--------------------|----------------------------------------|
| U6 F               | CTCGCTTCGGCAGCACA                      |
| U6 R/RT            | AACGCTTCACGAATTTGCGT                   |
| mmu-miR-67         | AGCCAGATGCCGTTCTTG                     |
| 7-3p F             |                                        |
| mmu-miR-67         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 7-3p RT            | TACGACCCTTCT                           |
| mmu-miR-62         | AGCATCGCGAAGGCCC                       |
| 40 F               |                                        |
| mmu-miR-62         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 40 RT              | TACGACCGCCGT                           |
| mmu-miR-21         | CGCTGTGCGTGTGACAGC                     |
| 0-3p F             |                                        |
| mmu-miR-21         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 0-3p RT            | TACGACTCAGCC                           |
| mmu-miR-70         | CGTGCCCAACCTTTACCC                     |
| 2-3p F             |                                        |
| mmu-miR-70         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 2-3p RT            | TACGACGGAGCG                           |
| mmu-miR-51         | GCGGGCGGGGCCGGGG                       |
| 26 F               |                                        |
| mmu-miR-51         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 26 RT              | TACGACCCCCGC                           |
| mmu-miR-33         | GCGCGTTTTTTCATTATTGCTC                 |
| 5-3p F             |                                        |
| mmu-miR-33         | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 5-3p RT            | TACGACGGTCAG                           |

|            |                                        |
|------------|----------------------------------------|
| mmu-miR-65 | GCGCGCGGGCTCCGGG                       |
| 38 F       |                                        |
| mmu-miR-65 | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 38 RT      | TACGACCGCCGC                           |
| mmu-miR-12 | GCGCGCATTATTACTTTTGG                   |
| 6a-5p F    |                                        |
| mmu-miR-12 | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 6a-5p RT   | TACGACCGCGTA                           |
| mmu-miR-50 | GCGCGTTAGATCGATGTGG                    |
| 99 F       |                                        |
| mmu-miR-50 | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 99 RT      | TACGACGGAGCA                           |
| mmu-miR-62 | GCGCGTAGCGTTGGATCAC                    |
| 39 F       |                                        |
| mmu-miR-62 | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGA |
| 39 RT      | TACGACCACCGA                           |
| Universal  | AGTGCAGGGTCCGAGGTATT                   |
| miR-R      |                                        |

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**Supplementary Table 2 Oligonucleotide sequences applied in this study**

| Plasmid                  | Sequence                     |
|--------------------------|------------------------------|
| mmu-miR-335-3p mimics    | 5'-UUUUUCAUUAUUGCUCCUGACC-3' |
| mmu-miR-335-3p inhibitor | 5'-GGUCAGGAGCAAUAAUGAAAAA-3' |
| mmu-miR-335-3p NC        | 5'-UUCUCCGAACGCUCACTUTT-3'   |

**Supplementary Table 3 Primer information involved in qRT-PCR**

| Primer Name          | Sequence                                               |
|----------------------|--------------------------------------------------------|
| mouse-Gapdh F        | AGGTCGGTGTGAACGGATTG                                   |
| mouse-Gapdh R        | GGGGTCGTTGATGGCAACA                                    |
| mouse-PTGS2 F (COX2) | TGCACTATGGTTACAAAAGCTGG                                |
| mouse-PTGS2 R (COX2) | TCAGGAAGCTCCTTATTTCCCTT                                |
| mouse-SLC3A2 F       | AGCCGCGTGTTGATCCATCT                                   |
| mouse-SLC3A2 R       | GTCATGGTGCCTGAGTCG                                     |
| mouse-SLC7A11 F      | TGCTCGTAATACGCCCTGGA                                   |
| mouse-SLC7A11 R      | CTCCAGCTGACACTCGTGCT                                   |
| mouse-GPX4 F         | GGACGCCAAAGTCCTAGGAAAC                                 |
| mouse-GPX4 R         | TCATCGCGGGATGCACACAAG                                  |
| mmu-miR-335-3p F     | GCGCGTTTTTCATTATTGCTC                                  |
| mmu-miR-335-3p RT    | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACT<br>GGATACGACGGTCAG |
| Universal miR-R      | AGTGCAGGGTCCGAGGTATT                                   |
| Universal U6 F       | CTCGCTTCGGCAGCACA                                      |
| Universal U6 R/RT    | AACGCTTCACGAATTTGCGT                                   |
| hsa-miR-335-3p F     | GCGCGTTTTTCATTATTGCTC                                  |
| hsa-miR-335-3p RT    | GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACT<br>GGATACGACGGTCAG |
| R                    | AGTGCAGGGTCCGAGGTATT                                   |

