Supplementary Table S1 Primers used for qRT-PCR.

| mRNA          | Primer 1 | Primer 2       |
|---------------|----------|----------------|
| IGF1R         | GAGAGGAGCAGCTAGAAGGG | CCCCTTAGTCCTGGTCACCTT |
| FGFR1         | ATCGAGGTGAATGGGAGCAA | CTCTCCAAGGGCTCCAGAA |
| MAPK1         | GTGACCTCAAGCTCTCAAC | AGAATGCAGCCCTAACAGGACCA |
| MAPK3         | AAGATCAGCCCCCTCGAACA | CCATCAGTCTGCGCACAATG |
| SMAD2         | CTTTGTCAGAGCCCCAATT | CTTGTACCGTGCTGCCCTTG |
| CTNNB1        | CTTACACCCACCATCCACT | CCTCCACCAATTTGCTGCTGT |
| GAPDH         | ATCATCAGCAATGCTCTCTG | ATGGACTTGCTGCTGAGTC |
| circRNA       | Primer 1 | Primer 2       |
| hsa_circRNA_102115 | ATCGAGAATTGTTGCAAGG | ATCGAGGCTTACAAGCTTACATGG |
| hsa_circRNA_104057 | AGAGGCTTTACAATGGCAGCT | CGTCAGCCGCTCATGG |
| hsa_circRNA_103572 | TGCAAGCGAAATGTTGAAAA | CTTTTCTCGTTTCTCTGAG |
| hsa_circRNA_100912 | AGCTGACGAGTGGCTCTACATGAC | ATTAAGGCCAGCTGAGG |
| hsa_circRNA_102857 | GAGTGAGTGGCTTAACAGTG | GGCAGGCTTACAAGCTTACATGAC |
| hsa_circRNA_402801 | GCGTGAACTATAAGGAGCCC | GGCGTGCTTACACCTTGGCTT |
| hsa_circRNA_402801 | TGGTTTCAGGTTGCTATGTTT | TGGTTTCAGGTTGCTATGTTT |
| miRNA        | RV-MR       | QPF                          | QPR                          |
|-------------|-------------|------------------------------|------------------------------|
| hsa-miR-335-3p | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACGTCAG | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-19a-3p | GTCGTACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACGAGTCA | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-544a  | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGAGAAGTCA | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-4422  | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACTGGTCA | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-9-5p   | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACTCATAC | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-450b-5p | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACTATCATA | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | hsa-miR-4719  | GTCGTAACAGTGCAAGGTCCGAGGTATTTCGCACTGGATACGACCCCTGCA | GGTCTTTTTTATATGCTTCGCCAGAAGTTATC | GTGCAAGGTCCGAGGTATT |
|             | U6           | CGCTTCAAGAATTTGCGGTGTCAT     | CTGCTTTCCGCAGCACA             |