Supplemental Table S1. qRT-PCR primers in this study.

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| Gene Symbol | 　 | 5'-3' |
| ZNRD1-AS1 | Forward | TCCTAGGATTGCTGCAGGTC |
| Reverse | CTATTGCCTGGATCCCATGT |
| MEG3 | Forward | CTGCCCATCTACACCTCACG |
| Reverse | CTCTCCGCCGTCTGCGCTAGGGGCT |
| OIP5-AS1 | Forward | TGCGAAGATGGCGGAGTAAG |
| Reverse | TAGTTCCTCTCCTCTGGCCG |
| TPTEP1 | Forward | CTGGGAGAAGTGCCCTTGC |
| Reverse | CACCTCATCAGTCATTTGCTCA |
| FER1L4 | Forward | CCGTGTTGAGGTGCTGTTC |
| Reverse | CCCATCCCAGGAGGTCACCT |
| MYC | Forward | TCTGGATCACCTTCTGCTGG |
| Reverse | TGTTGCTGATCTGTCTCAGG |
| MAPK1 | Forward | AGGCTGTTCCCAAATGCT |
| Reverse | CGTCACTCGGGTCGTAAT |
| CDKN1A | Forward | AAGTCAGTTCCTTGTGGAGCC |
| Reverse | GGTTCTGACGGACATCCCCA |
| MMP2 | Forward | GGAATGCCATCCCCGATAAC |
| Reverse | CAGCCTAGCCAGCCAGTCGGATTT |
| SQSTM1 | Forward | GCCTCTGGTTCTGACACTTT |
| Reverse | GGTGAGGTGGAAGGCATTTA |
| GAPDH | Forward | AGAAGGCTGGGGCTCATTTG |
| Reverse | AGGGGCCATCCACAGTCTTC |
| hsa-miR-449c-5p | Reverse Transcription | GTCGTATCCAGTGCAGGGTCCGAGGTGCACTGGATACGACACAGCCG |
| Forward | TGCGGUAGGCAGUGUAUUGCUAGCG |
| General primers | CCAGTGCAGGGTCCGAGGT |
| U6 | Reverse Transcription | GTCGTATCCAGTGCAGGGTCCGAGGTGCACTGGATACGACAAAATATGG |
| Forward | TGCGGGTGCTCGCTTCGGCAGC |
| General primers | CCAGTGCAGGGTCCGAGGT |