**Additional table 2:** All PCR primer used in this research

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| **Primers and probes** |  | **sequence** |
| CircFAM114A2 | Forward  Reverse | 5’-GGGGCAAGTCCATACT-3’  5’-TTGGCTGGCTCACAG-3’ |
| FAM114A2 | Forward  Reverse | 5’-ACTGCTGTTCAGAGCACAGG-3’  5’-CCTTCTGCTATCACATCCATTGT-3’ |
| miR-222-3p (mimics)  miR-146a-5p (mimics)  U6  P27  P21  β-Actin  GADPH | Forward  Reverse  Stem-loop primer  Forward  Reverse  Stem-loop primer  Forward  Reverse  Forward  Reverse  Forward  Reverse  Forward  Reverse  Forward  Reverse | 5’-CGGCACGGGCCGAGGC-3’  5’-AGTGCAGGGTCCGAGGTATT-3’  5’-GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACGCTGGT-3’  5’-GTTCTTCAGCTGGGATATCTCTGT-3’  5’-AGTGCAGGGTCCGAGGTATT-3’  5’-GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACACGATG-3’  5’-AAAGCAAATCATCGGACGACC-3’  5’-GTACAACACATTGTTTCCTCGGA-3’  5’-AACGTGCGAGTGTCTAACGG-3’  5’-CCCTCTAGGGGTTTGTGATTCT-3’  5’-TGTCCGTCAGAACCCATGC-3’  5’-AAAGTCGAAGTTCCATCGCTC-3’  5’-CTCCATCCTGGCCTCGCTGT-3’  5’-GCTGTCACCTTCACCGTTCC-3’  5’-CAATGACCCCTTCATTGACC-3’  5’-GACAAGCTTCCCGTTCTCAG-3’ |