

The verified data by Sanger sequencing for the ligation products of hsa-pre-let-7a and hsa-pre-miR-34a:

Verified miR	Verified Sequence by Sanger sequencing
hsa-pre-let-7a	TCGAGGATCC<u>GCCCCAAATAGGTGACAGCACGATGAATCATTATAAGACTAA</u> <u>CTTGTAATTTCCCTGCTTAAGAAATGGTAGTTTTCCAGCCATTGTGACTGC</u> <u>ATGCTCCCAGGTTGAGGTAGTAGGTTGTATAGTTTAGAATTACATCAAGG</u> <u>GAGATAACTGTACAGCCTCCTAGCTTTCCTTGGGTCTTGCACTAAACAACA</u> <u>TGGTGAGAACGATCATGATTCCCTCCAGGCCTTTTCTCCCTATGAAAGGTAA</u> <u>GATTGGGTACGATTATTTTATGGTATTT</u> GCTAGCTAGCTCGA
hsa-pre-miR-34a	TCGAGGATCC<u>TGCATCCTTTCTTTCTCCCCACATTTCTTCTTATCAACAG</u> <u>GTGCTGGGGAGAGGCAGGACAGGCCTGTCCCCCGAGTCCCCTCCGGATG</u> <u>CCGTGGACCGGCCAGCTGTGAGTGTTTCTTTGGCAGTGTCTTAGCTGGTT</u> <u>GTTGTGAGCAATAGTAAGGAAGCAATCAGCAAGTATACTGCCCTAGAAGT</u> <u>GCTGCACGTTGTGGGGCCCAAGAGGGAAGATGAAGCGAGAGATGCCCAG</u> <u>ACCAGTGGGAGACGCCAGGACTTCGGAAGCTCTTCTGCGCCACGGTGGG</u> <u>TGGTGAGGGCGGCTGGGAAAG</u> GCTAGCTAGCTCGA

* The sequence of each miR started by repeated fixed sequence which is part of the cloning vector sequence (highlighted yellow) followed by BamHI restriction site (red color and highlighted yellow) followed by insert either; pre-let-7a sequence or pre-miR-34a (Bold font and underlined) then finally NheI restriction site and the repeated fixed sequence(highlighted yellow).