

**Supplementary Table 1 Primers for 36 conserved miRNAs and 12 candidate miRNAs**

<b>miRNA</b>	<b>sequence(5' to 3')</b>
cpp-miR-9	TGTCAAAGTTCTCTTTGGTTATCTA GGTCAATTATTAAC TTCGGTATGC
cpp-miR-993	TCCGTGACCTACCCTGTAGT ACCCTGTGAGATACCTCTATAGAA
cpp-miR-iab-4	TGCTTCATGAACGTATACTGAAG CGCCTCCTGTTACGTATACTGA
cpp-miR-11-3p	GAAGCGCCAAGCAAGA ACTCAGACT GAGAACTCCGGCTGTGACCTGTGT
cpp-miR-252	GAATTC TTTACTAAGTACTAGTGCC TGGA ACTCTTCGATAAGCAC
cpp-miR-996	ATTTTCGTCGGCGTGCA AACTTCATAGACGAGCATGTAATCT
cpp-miR-276-3p	TTCACCCACTAGCGAGGTATAGAGT AAGCCATCCAAGAGCACGGTAT
cpp-miR-275	TCCGATAGCGCGCGCTAAGC TCCGATCACGCGCGCTACTTC
cpp-miR-989-3p	TCATGGGGAAACGCCGCTA CCAAGGGAAAGGTACCACTACGTCAC
cpp-miR-13	GCTGTTCAGTTCGTAAAAATGGTTG CACAGGTTCAA ACTCGTCAA AATG
cpp-miR-3781	AAGAGTGAAGAAGTGATTGATCG ATGATGAATTAGTAGCTTGATGTAC
cpp-miR-2796-3p	GATGAATATAACGCCACCAGAAGCA ATCCCGCAA AACATCCGGATC
cpp-miR-10-3p	GTTCTACATCTACCCTGTAGATCCG TGCCCCACACAAACCTCTCTA
cpp-miR-276-3p-1	TTCACCCGCTAGCGAGGTATAG AAGCCATCCAAGAGCACGGT
cpp-miR-276-3p-2	GATTGCCATCAGCGAGGTATAG CGGCTAGCCAAGAGCACG
cpp-miR-2944b	GACGAAGGTAGAAGGAACTCC GTTAAAAGTATCAGGTA ACTACTGC
cpp-miR-493-3p	CGTGGCGCCTCCTGTAACG ATGGACCTGACCGGCACACA
cpp-miR-993	GTCACCCGCAGGGACGCG TCGCCCTCAAAGACACAGTCTTACA
cpp-miR-2779	TGAAGGTGACTTCATCCGGTTCG TGTTGGGACCTACCAACGGAACC
cpp-miR-998	CAATTC CGGGACTGAACTCTCG ACCAGCACCGGAGCTGAATCT
cpp-miR-278-3p	TGGTCTTGGTGCGGACGGA TGGCGGTTACAAACGGACGAA
cpp-miR-307	CCCGTCGATCACTCACTCAACCT

cpp-miR-137-3p TGCAAATCGCTCGCTCACTCA  
 TTGGTTGGCCACGCGTA  
 CACTTGTCAACTACGTGTATTCTCA  
 cpp-miR-252 GAATTCTTTACTAAGTACTAGTGCC  
 TGGA ACTCTTCGATAAGCAC  
 cpp-miR-279-3p CACTATTGTCGATGGGTGTGAAT  
 GCACTCTTGTTAATGAGTGTGGATC  
 cpp-miR-263 TTGTACACGTAATGGCACTGGAAGA  
 CCTTGTACCAGGGATGCCACTG  
 cpp-miR-2942 TTCGGCGGCCAACTTTATCA  
 CAAAACGGGAATTA ACTCGTGAAGT  
 cpp-miR-4448 GCTCGCACCACAACCCCG  
 AAGCGAGAATCATACCCCTAGACCA  
 cpp-miR-965-3p GGCAGATTCTGAAGGGGGAAATC  
 GCACACGCTGAATGGGAAAAGC  
 cpp-miR-316 TTGATTGATTTGTCTTTTTCCGCTT  
 ATTGATTGAGGCGCCTTTTTCTG  
 cpp-miR-210-3p ATCTCATTGCAGCTGCTGACCACTG  
 AATGCCCAATAGCCGTTGTCAC  
 cpp-miR-2941-3p AGGTGATCGTACCCGTGGTGTTTAG  
 GCGCCAATATCCGTGGAGTT  
 cpp-miR-2981 GATGTTGATACCGTCGGCCG  
 CACTACACCGCCGGTGGA  
 cpp-miR-2840 TGTGGTCTTCTTCCGGCCGAC  
 CGGGCCCGCCTCCTCCT  
 cpp-miR-285-3p GAATTCTTTACTAAGTACTAGTGCC  
 TGGA ACTCTTCGATAAGCAC  
 cpp-miR-71 TGGGTCTGCAGTGCTTTTCGT  
 CTGAAATCCCCTGCCAGTC  
 cpp-novel-miR1 TTTTACGGCCAGAGCTAATTGGAGA  
 CGCCACAACCAGACCTAATCAAAGA  
 cpp-novel-miR2 AACATTTACGGTGTCTGTACG  
 AGACGTGTCGGGGATCCTCAC  
 cpp-novel-miR3-3p CGAACTGCAGTTGATTCGGGACG  
 TCAACCGCCGTCAGCCGC  
 cpp-novel-miR5 CTGCCCCGATCAATTAGAAATCACAC  
 GCGCTCAATCCATTGGAAATCA  
 cpp-novel-miR6-3p AGACGAGAAAGCAACTGCCGC  
 TGTCCAGAAACATTGGCCAATCT  
 cpp-novel-miR7-3p TTAAGCAACATCGGGCGCGATTA  
 AATAGCAAAAATGCCAACGACACGC  
 cpp-novel-miR8-3p TTTCTGTCATGTTGAGGAGTTAAT  
 TTATCATCATGTACCAGAGTTAATG  
 cpp-novel-miR9 CAGTTAACTCAATCGGAATTCTAA  
 CCAGTCAACTCAATCGGAATT

cpp-novel-miR10	TTGAAGTTTCTGATCTTGTATTTTG
	TTGAGCCTTTTGAACCTTGTATCT
cpp-novel-miR11-3p	TTTCGATCCCCAAACCGTGTTG
	TACCGACCCCAAACCGTGTTG
cpp-novel-miR12	TTTTTCCTCCTGGTGTTCACCTGCCG
	GTCCGCTCTTGGCATTACCG
cpp-novel-miR13	CATTTCGGCGTTAGTTTTGG
	CCACCGCCAGCCTCAGTT

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The top sequence in each pair is the forward primer and the bottom sequence is the reverse primer.