
Supplementary information for

Dynamic evolution and biogenesis of small RNAs during sex reversal

Running title:

Small RNA and sex reversal

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Supplementary Table S1 | Small RNA classifications

Type	Ovary		Ovotestis		Testis	
	Reads number	%	Reads number	%	Reads number	%
Exon_antisense	556,913	4.69	558,917	4.20	1,178,458	5.27
Exon_sense	739,801	6.23	656,688	4.93	1,857,518	8.31
Intron_antisense	401,011	3.37	457,397	3.43	926,393	4.15
Intron_sense	1,416,121	11.92	1,602,473	12.03	3,706,984	16.59
miRNA	709,265	5.97	1,065,014	7.99	1,707,05	7.64
rRNA	2,591,369	21.81	2,493,059	18.71	367,666	1.65
Repeat	8,512	0.07	7,531	0.06	43,213	0.19
snRNA	6,139	0.05	9,352	0.07	16,703	0.07
snoRNA	2,865	0.02	2,839	0.02	6,942	0.03
tRNA	213,729	1.80	170,644	1.28	629,270	2.82
piRNA	5,222,740	44.07	6,275,011	47.1	11,833,225	52.95
Novel miRNA	14,243	0.12	11,309	0.08	37,063	0.17
Total	11,882,708	100	13,321,543	100	22,347,593	100

Supplementary Table S2 | Conserved miRNA information

Conserved miRNA ID	Precursors	MFE	Mature ID		Mature sequences	
			Mature miRNA -5p	Mature miRNA -3p	Mature miRNA -5p	Mature miRNA -3p
let-7a-1	CCTAGCAAGGTGAGGTAGTAGGTTGTATAGTTTGGGGATGGAGTAACTCCTACCCAGGTGATAACTATACAGTCTATTACCTTCTTGAGA	-50.8	let-7a-5p	let-7a-1-3p	TGAGGTAGTAGGTTGTATAGTT	CTATACAGTCTATTACCTT
let-7a-2	CACTGTGGGCTGAGGTAGTAGGTTGTATAGTTTGGGTCACACCCGCACAGGAGATAAATTTCAACCTACTGTCTTCTCAAAGTGTC	-36.5	let-7a-5p	let-7a-2-3p	TGAGGTAGTAGGTTGTATAGTT	CTATTAACCTACTGTCTTTC
let-7a-3	GCTCCCAGGTTGAGGTAGTAGGTTGTATAGTTGAGAATTACACCCAGGAGATAACTGTACAACCTCCTAGCTTTCCTGAGGTATG	-33.01	let-7a-5p	let-7a-3-3p	TGAGGTAGTAGGTTGTATAGTT	CTGTACAACCTCCTAGCTTTC
let-7a-4	CTCCGAGGTTGAGGTAGTAGGTTGTATAGTTACAGAGTACACCAAAGGAGATAACTGTACAGCCTCCTAGCTTTCCTGAGGACAC	-33.01	let-7a-5p	let-7a-4-3p	TGAGGTAGTAGGTTGTATAGTT	CTGTACAGCCTCCTAGCTTTC
let-7a-5	TCCTTTGGGGTGAAGGTAGTAGGTTGTATAGTTTGGGTCCTCCCAAGTTGCAGATGACTATACAACCTTACTGTCTTTCCTGGAGCGACT	-38.3	let-7a-5p	let-7a-5-3p	TGAGGTAGTAGGTTGTATAGTT	CTATACAGTCTATTGCCTTCC
let-7a-6	TCTGTACAGGTTGAGGTAGTAGGTTGTATAGTTTGGTGGTGGGATTGCACCTGCTCAGGTGATAACTATACAGTCTATTGCCTTCTTGAGGAGCTC	-45.1	let-7a-5p	-	TGAGGTAGTAGGTTGTATAGTT	-
let-7a-7	TCCTTTGGGGTGAAGGTAGTAGGTTGTATAGTTTGGGTCATACCCCTCGTGTGAGATAACTATACAACCTTACTGTCTTTCCTAAAGTGGCT	-45.1	let-7a-5p	-	TGAGGTAGTAGGTTGTATAGTT	-
let-7b-1	TCGTACAGGTTGAGGTAGTAGGTTGTGTGGTTTCAGGTTGTGATTTACCCCATCAGGAGCTAATATACAACCTACTGCCTTCCCTGGAGGCCA	-49.1	let-7b-5p	let-7b-3p	TGAGGTAGTAGGTTGTGTGG	CTATACAGTCTATTGCCTTCC
let-7b-2	TCGTACAGGTTGAGGTAGTAGGTTGTGTGGTTTCAGGTTGTGATTTGCCCAATCAGGAGATAACTATACAACCTACTGCCTTCCCGAA	-50.8	let-7b-5p	let-7b-3p	TGAGGTAGTAGGTTGTGTGG	CTATACAGTCTATTGCCTTCC
let-7c	GCATCCGGTTGAGGTAGTAGGTTGTATAGTTTGAAGTACACCCCTGGGAGTTAACTGTACAACCTTCTAGCTTTCCTTGGAGTA	-33.91	let-7c-5p	let-7c-3p	TGAGGTAGTAGGTTGTATAGTT	CTGTACAACCTTCTAGCTTTC
let-7d-1	CTCTGCAGTGTAGGTAGTTGGTTGTATGGTTTGCATAATAAACAGCTTGGAGATAACTGTACAACCTTCTAGCTTTCCTGCGGTGT	-31.2	let-7d-5p	let-7d-3p	TGAGGTAGTTGGTTGTATAGTT	CTGTACAACCTTCTAGCTTTC
let-7d-2	CTCTGCGGTGTAGGTAGTTGGTTGTATGGTTTGCATAATAAACAGCCTGGAGATAACTGTACAACCTTCTAGCTTTCCTGCGGAGT	-33.91	let-7d-5p	let-7d-3p	TGAGGTAGTTGGTTGTATAGTT	CTGTACAACCTTCTAGCTTTC
let-7j	CACTTTGGTCTGAGGTAGTTGTTGTACAGTTTGGGTTCTGTGATTTGCCCATACAGGAGCTAATGTACAAGTACTGCCTTCCCGACGGTT	-36.7	let-7j-5p	-	TGAGGTAGTTGTTGTACAGTT	-
let-7k-1	TCCTAAGGCTGAGGTAGTAGATTGAATAGTTGGGGTCTGAGTCTCTCTGAGATAACTATACAATCTACTGTCTTTCCTAAGGAG	-43.5	let-7k-5p	-	TGAGGTAGTTGTTGTACAGTT	-
let-7k-2	TCCTGGGGCTGAGGTAGTAGATTGAATAGTTGGGGTTGTGTAACCTCTTTTGGAGATAACTATACAATCTACTGTCTTTCCTAAGGAA	-48.2	let-7k-5p	-	TGAGGTAGTTGTTGTACAGTT	-
miR-103a-1	GCTCTACGCTTTTACGCTCTTTACAGTCTGCTCCCTGTCTGATCATGTTCAAGCAGCATTGTACAGGGCTATGACAGCATAGAG	-35.7	miR-103a-5p	miR-103a-3p	AGCAGCATTGTACAGGGCTATGA	AGCCTCTTTACGGTCTGCC TTG
miR-103a-2	CTTTGCATTCAGCCTCTTTACGGTCTGCTCCCTGTGGCATCTTGTCAAGCAGCATTGTACAGGGCTATGAAGGCATAGAG	-31.7	miR-103a-5p	miR-103a-3p	AGCAGCATTGTACAGGGCTATGA	AGCCTCTTTACGGTCTGCC TTG
miR-107	GTGTGCAGTGAAGCTTTTACAGTGTGCTTGTGGCATGGGCATCAAGCAGCATTGTACAGGGCTATCACTGCATA	-35.5	-	miR-107-3p	-	AGCAGCATTGTACAGGGCTA
miR-10a-1	ACCTATACACACCTGTAGATCCGAATTTGTGTAATAACAACGGCAGCCACAAGTTTCGCATCTTGGGGAGTTTGTAGGTG	-30.99	miR-10a-5p	-	CACCCTGTAGATCCGAATTTGT	-
miR-10a-2	ACCTATACACACCTGTAGATCCGAATTTGTGTAATAACAACGGCAGCCACAAGTTTCGCATCTTGGGGAGTTTGTAGGTG	-30.99	miR-10a-5p	-	CACCCTGTAGATCCGAATTTGT	-
miR-10b-1	CGTCTATATACCTCTGAGAACC GAATTTGTGTGATAAAAACACAGTACAGATTCCGATTCTAGGGGAGTATATGGTCTGA	-33.16	-	miR-10b-3p	-	AGATTTCGATTCTAGGGGAGT A
miR-10b-2	TAGTTGTCTATATGACCCTGTAGAACC GAATTTGTGTAAGTCCAAACAGTCGCAAAATACGTTCTACAGGAATACATGGGCAA	-32.7	miR-10b-5p	miR-10b-3p	TACCCTGTAGAACC GAATTTGT	AGATTTCGATTCTAGGGGAGT A
miR-10c	CTTCTATATCTACCCTGTAGATCCGGATTTGTGTAATAAATCATTAAAACATCACAATTCGCTTCTAGGGGAGTATATAGTGA	-27.61	miR-10c-5p	-	TACCCTGTAGATCCGGATTTGT	-
miR-10d	TGCCTATATACCTCTGAGAACC GAATGTGTGGAGCTGCCTCAGTCACAGATTGGGTTCTAGGGGAGTCTATGGGCGA	-39.1	miR-10d-5p	-	TACCCTGTAGAACC GAATGTGT	-
miR-122	TCCAGAGCTGTGGAGTGTGACAAATGGTGTGTTGTCTGTATGTCAAACGCCATTATCACACTAAATAGCTACAGT	-33.5	miR-122-5p	-	AAAGCCATTATCACACTAAA	-
miR-1238	GTTTCAGATCATTCTCGTCTGTCTGCTCCAATCTCGCTGCTCTGAATGCAAAACCCATCTGTGGAAGCTGTACAGGAATATGAGTGTGGGC	-20.47	miR-1238-5p	-	ATTCTCGTCTGTCTGCTCCA	-
miR-125a-1	TGCTTCATTGTCCCTGAGACCCCTAACCTGTGATGATATGAAAGGTCACAGGTGAGGTCCTTGGGAAACAAGGTGCAT	-33.4	miR-125a-5p	miR-125a-3p	TCCCTGAGACCCTTAACCTGTG	CAGGTGAGGTCCTTGGGAAAC
miR-125a-2	TGCCCTCTGTCCCTGAGACCCCTAACCTGTGAGGTCAAAGTAGGTCACAGGTGAGGTCCTCGGGAACAGGGCTGCAT	-38.7	miR-125a-5p	miR-125a-3p	TCCCTGAGACCCTTAACCTGTG	CAGGTGAGGTCCTTGGGAAAC

miR-125b-1	TTTTCTCTGTCCCTGAGACCCTAACTGTGACGTTGTGCTTTCATGTCCACGGGTTAGGCTCTGGGAGCTGGGAGGGA	-36.3	miR-125b-5 p	miR-125b-3 p	ACGGGTTAGGCTCTGGGAGC	TCCCTGAGACCCTAACTGTGA
miR-125b-2	CTTCACCTGCTCCCTGAGACCCTAACTGTGACGCTCTTGATAAAAAATCACGGGTTAGGCTCTGGGACGCGGGCGGAGGG	-40.93	miR-125b-5 p	miR-125b-3 p	ACGGGTTAGGCTCTGGGAGC	TCCCTGAGACCCTAACTGTGA
miR-125b-3	CCTCTCTCATTCCCTGAGACCCTAACTGTGACGTTGGCTGTGATGTGCACGGGTTGGGTTCTGGGAGCTGCGAGGGGCA	-41	miR-125b-5 p	miR-125b-3 p	ACGGGTTAGGCTCTGGGAGC	TCCCTGAGACCCTAACTGTGA
miR-128-1	GAGAGGTGGGATACGGGACCGGGACGCTGTCTGAGAGGTCTCTATGAATCTCACAGTGAACCGGTCTCTTTTCAGCCCT	-35.7	miR-128-5p	miR-128-3p	TCACAGTGAACCGGTCTCTTT	GGGGGCCGTTACTACTGCAG A
miR-128-2	CAGCAGTAGAGGAGGGGGCCGTTACACTGTCAGAGATGAGTCTGAGGGTCTCACAGTGAACCGGTCTCTTTCTGCTGCT	-42.1	miR-128-5p	miR-128-3p	TCACAGTGAACCGGTCTCTTT	GGGGGCCGTTACTACTGCAG A
miR-130a	TGTTCTGTCCGTTGCCCTTTTCTGTTGCACACTGGACATTGAGATGAGCAGTGAATATTAAGGGCATTGGCTGATGA	-30.8	-	miR-130a-3 p	-	CAGTGAATATTAAGGGC AT
miR-130b-1	GTTGTCCAAGGCTCTTTTCTGTTGACTACTGTGAAATCAGATGAGCAGTGAATATTAAGGGCATTGGCTGACAA	-27.32	miR-130b-5 p	miR-130b-1-3p	GCTCTTTTCTGTTGACTACT	CAGTGAATATTAAGGGC AT
miR-130b-2	TCACTGCCTGACACTCTTTACATGTTGCACTACTGAGGGAGCTACAGCAAGCAGTGAATACGAAAGGGCATTGATCAGCTG	-27.6	miR-130b-5 p	miR-130b-2-3p	GCTCTTTTCTGTTGACTACT	CAGTGAATACGAAAGGGC AT
miR-133b	CACGCTTGTCTGGCTGGTCAAACGGAACCAAGTCAGGTGTTGGTCCCCTTCAACCAGCTAAACCAGCTACTGCGTCGT	-30.9	-	miR-133b-3 p	-	TTGGTCCCCTTCAACCAGC TA
miR-133a-1	GCTTGTCAAAGCTGGTAAATGGAACCAATCACTCTTGAATGGATTGGTCCCCTTCAACCAGCTGTAGCTATGCTT	-31.6	miR-133a-5 p	miR-133a-3 p	AGCTGGTAAATGGAACCAAA	TTGGTCCCCTTCAACCAGC GT
miR-133a-2	GCTTGTCAAAGCTGGTAAATGGAACCAATCACTCTTGAATGGATTGGTCCCCTTCAACCAGCTGTAGCTGTGCAT	-32.1	miR-133a-5 p	miR-133a-3 p	AGCTGGTAAATGGAACCAAA	TTGGTCCCCTTCAACCAGC GT
miR-135a-1	CAGTGCCTGTATGGCTTTTATTCTATCTGACTGTAATGTTTCAATAGGGATGGAAGCCATGCAATGCGCTGG	-41	miR-135a-1-5p	miR-135a-1-3p	TATGGCTTTTATTCTATCTGA	ATATGGGATGGAAGCCATG C
miR-135a-2	ACTTGTCTTATGGCTTTTATTCTATCTGTAATCTTTTCAATATGTCATGAGGGTTAAAGCCATTGGATACAATG	-29.46	miR-135a-2-5p	miR-135a-2-3p	TATGGCTTTTATTCTATCTGA	ATATGGGATGGAAGCCATG GG
miR-135c-1	ACTTGTCTTATGGCTTTTATTCTATCTGTAATCTTTTCAATATGTCATGAGGGTTAAAGCCATTGGATACAATG	-29.46	miR-135c-5 p	miR-135c-3p	TATGGCTTTTATTCTATCTG	ATATGGGATGGAAGCCATG GG
miR-135c-2	TGCTGTGTTTATGGCTTTTATTCTATCTGTAATCTTTTATAGCATGTCACATAGGGTCTAAAGCCATTGGTACAGAG	-32.1	miR-135c-5 p	miR-135c-3p	TATGGCTTTTATTCTATCTG	ATATGGGATGGAAGCCATG GG
miR-137a	ACTCTCTCCGGTACCGGTTATTCTGGTGGATAATACGGATCACGTTGTTATTGCTTAAAGATAACCGTAGTCGAGGAGAG	-41.9	-	miR-137a-3 p	-	TTATTGCTGAGAATACGCGT A
miR-137b	CTCCGGTCTCGACCACGGTATTCTGGTGGATAATACAGATGGATGTTATTGCTTGAAGATAACCGTAGTCGAGTGGAA	-36.2	-	miR-137b-3 p	-	TTATTGCTTGAAGATAACGCGT AG
miR-138-1	GGAGAGGGTCAGCTGGTGTGGAATCAGGCCGCTGAAGTGTGCAGACCGCTTTTTCATAACACCAGGGTTCTCCCT	-40.9	miR-138-5p	-	AGCTGGTGTGGAATCAGGC	-
miR-138-2	GGGGCCGACAGCTGGTGTGGAATCAGGCCGCCACAGTGCAGGACCGGCTACTTCCAAACACCAGGGTCTCACCAT	-36.2	miR-138-5p	-	AGCTGGTGTGGAATCAGGC	-
miR-138-3	TGTGTCTACAGCTGGTGTGGAATCAGGCCGATGACAAACCTGCTATAACCCGGCTATTTCACAACACCAGGGTGGCACTGCAC	-41.35	miR-138-5p	-	AGCTGGTGTGGAATCAGGC	-
miR-138b-1	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-27.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-9	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-27.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-10	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-27.7	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-11	TGTGCATGGTTATGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-23	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-2	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-27.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-3	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-21	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-4	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-26.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-5	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-27.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-6	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-31.6	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-7	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-24	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-138b-8	TGTGCCATGGTTGTCAGTTTCCAAAACAGACAAGGATCCCTCTGGTTTTGTGAATCAGCTGACATGGTATG	-31	-	miR-138b-3 p	-	CTGGTTTTGTGAATCAGCTG
miR-139	TGGTTGATTTACAGTGCATGTCTCCAGTATGTTAGTGATGCTACTGGAGCCAGCTCTGTTGGAATAACAACCA	-39.5	miR-139-5p	miR-139-3p	TCTACAGTGCATGTCTCCAG	TGGAGACCAGCTCTGTTGG A
miR-140	AGTGTACAGTCAAGTTTACCCTATGGTAGTGACATCATGCTGTTCTACCACAGGGTAGAACCCAGGACGGGATGTTGG	-42.8	miR-140-5p	miR-140-3p	CAGTGGTTTACCCTATGGTAG	ACCACAGGGTAGAACCCAGG AC
miR-142-1	TGTTGTCAACATAAAGTAGAAAGCACTACTAACTTTACTGCACAGTGTAGTGTCTTCTACTTTATGGATGAGTATAC	-28.87	miR-142-5p	miR-142-3p	CATAAAGTAGAAAGCACTACT	TGTAGTGTCTACTTTATG G
miR-142-2	TGCAGTCAACATAAAGTAGAAAGCACTACTAACTCCTCACCACAGTGTAGTGTCTTCTACTTTATGGATGAGTGTAC	-38.97	miR-142-5p	miR-142-3p	CATAAAGTAGAAAGCACTACT	TGTAGTGTCTACTTTATG G

miR-143	TGTGGCCCATGGTGCAGTGTGCATCTCTGGTCAGTTGGTAGTCTGAGATGAAGCACTGTAGCTCGGGACGGAG	-31.3	miR-143-5p	miR-143-3p	GGTGCAGTGTGCATCTCTGG	TGAGATGAAGCACTGTAGCT
miR-144	GCCCTGGACAGGATATCATCTTATACTGTAAGTTTATTAAGAGACACTACAGTATAGATGATGACTATCCAGGGT	-37	miR-144-5p	miR-144-3p	GGATATCATCTTATACTGTAAGT	CTACAGTATAGATGATGAC
miR-145	CTCTCTCGGGTCCAGTTTTCCCGAATCCCTTGACCTATCAGAAAGGGGATTCTGGAATACTGTTCTTGGGGTGAG	-39.4	miR-145-5p	miR-145-3p	GTCCAGTTTTCCCGAATCC	GGATTCTGGAAACTGTTCT
miR-146a	TGCTCTACTATGAGAAGTAAATCCATAGATGGTGGCTACTTCAGGTGTCTATGGGCTCAGTTCTTTGGCATGGTAC	-33.1	miR-146a-5p	-	TGAGAAGTAAATCCATAGATGG	-
miR-148	TTTCCAAATAAAGTCTGTGATACACTAGACTCTAATTGCCTGCAGTCACTGACATTACAGAACTTTGTTTGGGAGT	-31.6	miR-148-5p	miR-148-3p	AAGTTCTGTGATACACTTAGACT	TCAGTGCATTACAGAACTTTG
miR-150	TGGTCTGGTCACTCCCAATCCTTGTACCAGTGTCTTGATACCAAGTGACGCTGGCAGGTTTGGGGGGGCTTTGCTAA	-37.32	miR-150-5p	-	ACTCCCAATCCTTGTACCAGTG	-
miR-153-1	CGGTTGCCAGTGTCACTTTTTGTGATGTTGCAGCTAGTAATATAAGCCAGTGCATAGTCACAAAAGTATCATTGGAGACT	-36.7	-	miR-153-3p		TTGCATAGTCACAAAAGTATC
miR-153-2	CGGTTGCCAGTGTCACTTTTTGTGATGTTGCAGCTAGTAATAGAGCCAGTGCATAGTCACAAAAGTATCATTGGAACT	-36.2	-	miR-153-3p		TTGCATAGTCACAAAAGTATC
miR-155	CAGATTGAGGATAATGCTAATCGTGATAGGGGTTGTTCCATTACCAGACACCTAACATGTTAGCATTAGCTTCGCTTTGG	-28.3	miR-155-5p	miR-155-3p	ACCTAACATGTTAGCATTAG	ATAATGCTAATCGTGATAGG
miR-15a	GGTGATGCTGTAGCAGCACGGAATGGTTTGTGGTTACACTGAGATACAGCCATACTGTGCTGCTGCATTAACCT	-40.5	miR-15a-5p	miR-15a-3p	TAGCAGCACGGAATGGTTTGT	CAGGCCATACTGTGCTGCTGCA
miR-15b-1	TAGACTGCTATAGCAGCGCATCATGTTTGAACATTGCGGAAAAGTGCAGAACCTATTGCTGCTTTAGAATTTAA	-24.3	miR-15b-1-5p	miR-15b-3p	TAGCAGCGCATCATGTTTGA	TGCGAACCTATTGCTGCTTT
miR-15b-2	GGGTGCACTGTAGCAGCACATCATGTTTGCAGATATGACTGAATCACTCCAAAACCTATGCGCTGCTACTGTGAGCTCA	-31.9	miR-15b-2-5p	miR-15b-3p	TAGCAGCACATCATGTTTGA	TGCGAACCTATTGCTGCTTT
miR-16a	TGCCACGCTTTCAGCAGCAGTAAATATTGGTGTGACAATAGACCCCAACCTAATTAGCAGTGTCTTCAAGTGTGGCTGG	-39.89	miR-16a-5p	miR-16a-3p	TAGCAGCAGTAAATATTGGT	CAATATTAGCAGTGTGCTTCA
miR-1657	CATTAAGTACTAGTGTAGTTTGTGGTGTGCATTAAACAGATAATGAAATTAACCAAGGATTAAGCGGTAGAAAATGAATGA	-22.3	miR-1657-5p	-	TACTAGTGTAGTTTGTGGTGTGG	-
miR-16b	CACCTTACTGTAGCAGCACGTAATATTGGAGTTAAGACTAAGTGAAGCCCTCAGTATTGATCGTGTCTGAAGCAAAGCTGA	-33.53	miR-16b-5p	miR-16b-3p	TAGCAGCACGTAATATTGGAG	CCAGTATTGATCGTGTGCTGCTGAA
miR-17a-1	TGTGATTGTCAAAGTCTTACAGTGCAGGTAGTACTGTGTAATACCTACTGCAGTGAAGGCACCTTACAGCAATCACT	-33.5	miR-17a-5p	miR-17a-1-3p	CAAAGTCTTACAGTGCAGGTA	TACTGCAGTGAAGGCACCTTACA
miR-17a-2	AGTGTAGTGCCAAAGTCTTACAGTGCAGGTAGTTTTATAAGATCTACTGCAGTGAAGGCACCTTTCAGCACTGTTT	-30.6	miR-17a-5p	miR-17a-2-3p	CAAAGTCTTACAGTGCAGGTA	ACTGCAGTGAAGGCACCTTTC
miR-17a-3	TGTGATTGTCAAAGTCTTACAGTGCAGGTAGTACTGTGTAATACCTACTGCAGTGAAGGCACCTTACAGCAATCACT	-33.5	miR-17a-5p	-	CAAAGTCTTACAGTGCAGGTA	-
miR-1814a	CTGCTCTGTTGTTTTTAAAGTTTTGATTTTTGTAGCATTGGATGAGAAAATCAAAGCCCTAAAGAAAATACAGCGCTG	-29.8	miR-1814a-5p	-	GTTTTTTAGTTTTGATTTT	-
miR-181a-1	TGCCTCGGTGAACATTCAACGCTGTCGGTGAAGTTTGGATGATGATCATAAAAACCATCGACCGTTGACTGTGCCCCGGCTC	-36.7	miR-181a-5p	miR-181a-1-3p	AACATTCACGCTGTCGGTGAG	ACCATCGACCGTTGACTGTG
miR-181a-2	CGCCCCAGTGAACATTCAACGCTGTCGGTGAAGTTTGGATGATGATCATAAAAACCATCGACCGTTGATTGTACCCTGTGGCCAG	-32.3	miR-181a-5p	miR-181a-2-3p	AACATTCACGCTGTCGGTGAG	ACCATCGACCGTTGATTGTGCC
miR-181a-3	AGTCTGGGGAACATTCAACGCTGTCGGTGAAGTTTGGATGATGATCATAAAAACCATCGAGTGTGAGTGTACCCCTACACTTGTGCTGACA	-31.8	miR-181a-5p	-	AACATTCACGCTGTCGGTGAG	-
miR-181a-4	GCCACAGTGAACATTCAACGCTGTCGGTGAAGTTTGGATGATGATCATAAAAACCATCGACCGTTGATTGTACCCTGAGGGATG	-32	miR-181a-5p	miR-181a-4-3p	AACATTCACGCTGTCGGTGAG	ACCATCGACCGTTGATTGTGCC
miR-181b-2	GGTCAATCAACATTCACTGCTGTCGGTGGTTAACTGTGTGGAAGACTCACTGAACATGAATGCAACTGTGCCCC	-27.3	miR-181b-2-5p	-	AACATTCATTGCTGTCGGTGGT	-
miR-181b-1	GGTCAATCAACATTCACTGCTGTCGGTGGTTAACTGTGTGGAAGACTCACTGAACATGAATGCAACTGTGCCCCA	-31	miR-181b-5p	miR-181b-1-3p	AACATTCATTGCTGTCGGTGG	CTCACTGAACATGAATGCA
miR-181b-3	GGCCGAATAAACATTCACTGCTGTCGGTGGTTAACTGTGTGGAAGACTCACTGAACATGAATGCAACTGTGCCCCA	-32.5	miR-181b-5p	miR-181b-3-3p	AACATTCATTGCTGTCGGTGG	CTCACTGATCAATGAATGCA
miR-181c	GTTTCTGGTTCACATTCACTGCTGTCGGTGGTTAACTGTGTGGAAGACTCACTGAACATGAATGCAACTGTGCCCCA	-26.9	miR-181c-5p	-	CACATTCAGCTGTCGGTGGG	-
miR-182	TCTGGTGGTTTGGCAATGGTGAAGTCACTGCTGAGGTAGATGATCCGGTGGTTCTAGACTTGCCAACTACTGCTTGAAG	-30.44	miR-182-5p	-	TTTGGCAATGGTGAAGTCACT	-
miR-183-1	CTGTTCTGTGATGGCACTGGTGAATCACTGTGAGAGCTCACTACTCAGTGAATACCATAGGGCCATAAAGCAGAGCAGA	-38.2	miR-183-5p	-	TATGGCACTGGTGAATCACTG	-
miR-183-2	CTATTCTGTGATGGCACTGGTGAATCACTGTGAGAGCTCACTACTCAGTGAATACCATAGGGCCATAAAGCAGAGTGA	-34.84	miR-183-5p	-	TATGGCACTGGTGAATCACTG	-
miR-184-1	TTGCTCACATCTCCTATCACTTTCCAGCCAGCTATGTGTTCTGTATCTGTTGACGGAGAAGTATAAGGGCATGTGCATGA	-29.49	miR-184-5p	miR-184-3p	TTATCACTTTCCAGCCAGC	TGGACGGAGAAGTATAAGGGC
miR-184-2	TGAGCACATCTCCTATCACTTTCCAGCCAGCTATCTATCAAATGTTTGGACGGAGAAGTATAAGGGCATGTGTCTG	-28.4	miR-184-5p	miR-184-3p	TTATCACTTTCCAGCCAGC	TGGACGGAGAAGTATAAGGGC
miR-18a-1	GTCTTTGTGCTAAGTGCATCTAGTGCAGATAGTAAATAGACTAGCACCTACTGCCCTAAGTCTCCTTCTGGCATAAGGGG	-31.3	miR-18a-5p	miR-18a-3p	TAAGGTGCATCTAGTGCAGATA	ACTGCCCTAAGTCTCCTTCT
miR-18a-2	GTTCTTATGCTAAGTGCATCTAGTGCAGATAGTAAATAGACTAGCACCTACTGCCCTAAGTCTCCTTCTGGCATAAGGGT	-29.91	miR-18a-5p	miR-18a-3p	TAAGGTGCATCTAGTGCAGATA	ACTGCCCTAAGTCTCCTTCT
miR-18a-3	GTCTTTGTGCTAAGTGCATCTAGTGCAGATAGTAAATAGACTAGCACCTACTGCCCTAAGTCTCCTTCTGGCATAAGGGG	-31.3	miR-18a-5p	miR-18a-3p	TAAGGTGCATCTAGTGCAGATA	ACTGCCCTAAGTCTCCTTCT

miR-190-1	GGGCTCTGCTGATATGTTTGATATATTAGGTTGTTATTTCAGTCCCAACTGTATATCAAACATATTCTACAGTGTCCC	-30.8	miR-190-5p	miR-190-3p	TGATATGTTTGATATATTAGG	ACTGTATATCAAACATATTCC T
miR-190-2	GGGCTCTGCTGATATGTTTGATATATTAGGTTGTTATTTCAGTCCCAACTGTATATCAAACATATTCTACAGTGTCCC	-30.8	miR-190-5p	miR-190-3p	TGATATGTTTGATATATTAGG	ACTGTATATCAAACATATTCC T
miR-193	TGCTGAGGCTGGGCTTTGCGGGCAAGGTGAGTCTCAGTTAATTCACACTGGCCACAAAGTCCCAGTTTCTGGCTCA	-36.8	miR-193-5p	miR-193-3p	TGGGCTTTGCGGGCAAGGTGA	AACTGGCCACAAAGTCCCA GT
miR-194	GCTTGCTGGCTGTAACAGCAACTCCATGTGGAATCTCTGCTGTTCCAGTGGAAAGTGTCTTACCTGCAGAGAGCT	-34.9	miR-194-5p	-	TGTAACAGCAACTCCATGTGGA	-
miR-196a-1	TCGAGTGGTTAGGTAGTTTCATGTTGTTGGGGTCCATTTCAATCTCTGCAACATGAAACTGTCTTAATTGCCCA	-31.2	miR-196a-1-5p	-	TAGGTAGTTTCATGTTGTTGGG	-
miR-196a-2	AAGCGTGGTTAGGTAGTTTCATGTTGTTGGGGTGGCTTCTGGCTCGGCAACAAGAAACTGCCTTGATTACGTCA	-38.6	miR-196a-2-5p	miR-196a-3p	TAGGTAGTTTCATGTTGTTGGG	ACTGTATATCAAACATATTCC TA
miR-196a-3	GGGCTCTGCTGATATGTTTGATATATTAGGTTGTTATTTCAGTCCCAACTGTATATCAAACATATTCTACAGTGTCCC	-30.8	miR-196a-3-5p	miR-196a-3p	TGATATGTTTGATATATTAGG	ACTGTATATCAAACATATTCC TA
miR-196b	TTGTGTGATGATAGGTAGTTTCAAGTTGTTGGGCTGGATTGTTAAGATCACAGGAACCTGAAACTGCCTGAATCACACCA	-35	miR-196b-5p	-	TAGGTAGTTTCAAGTTGTTGGG	-
miR-199a-1	CCCCGCTGCCAGTGTTCAGACTACCTGTTTCATCAGGCTACAGCTGAACAGTAGTCTGCACATTGGTTAGGCTGGGCTG	-44	miR-199a-5p	miR-199a-3p	CCCAGTGTTCAGACTACCTGTTT	ACAGTAGTCTGCACATTGGT TA
miR-199a-2	GCTCCGTCACCCAGTGTTCAGACTACCTGTTTCATGTCATACTGGTGTACAGTAGTCTGCACATTGGTTAGACTGGGCAT	-36.5	miR-199a-5p	miR-199a-3p	CCCAGTGTTCAGACTACCTGTTT	ACAGTAGTCTGCACATTGGT TA
miR-199a-3	AGCCCGCTGCCAGTGTTCAGACTACCTGTTTCAGGAAGTAGTGGTGTACAGTAGTCTGCACATTGGTTAGGCTGGCTGG	-40.3	miR-199a-5p	miR-199a-3p	CCCAGTGTTCAGACTACCTGTTT	ACAGTAGTCTGCACATTGGT TA
miR-199a-4	GCTCCGTCATCCAGTGTTCAGACTACCTGTTTCAGGATCTTACTGGTGTACAGTAGTCTGCACATTGGTTAGACTGTGCAA	-33.2	miR-199a-5p	miR-199a-3p	CCCAGTGTTCAGACTACCTGTTT	ACAGTAGTCTGCACATTGGT TA
miR-19a-1	TTCTCTGTAGTTTTGCATAGCTGCACTACAAGAATAGACGAGTTGTGCAAACTATGCAAAAATGATGGTG	-33.53	-	miR-19a-3p	-	TGTGCAAAACCCATGCAAAAAC TG
miR-19a-2	GTTCTCTGTAGTTTTGCATAGCTGCACTACAAGAATAGACGAGTTGTGCAAACTATGCAAAAAGCAGGAGT	-33.8	-	miR-19a-3p	-	TGTGCAAAACCCATGCAAAAAC TG
miR-19b-1	TCACTTGGTCAGTTTTGCTGGTTTGCATTCCGCTTAACTGATGTTTGTGTGCAAACTCATGCAAAAAGTACTAGGTTGA	-38.5	miR-19b-5p	miR-19b-3p	AGTTTTGCTGGTTTGCATTCCGC	TGTGCAAAACCCATGCAAAAAC TG
miR-19b-2	AGTCTCTGGTTAGTTTTGCTGGTTTGCATTCCGCTTAACTGATGTTTGTGTGCAAACTCATGCAAAAAGTACTAGGTTGA	-34.02	miR-19b-5p	miR-19b-3p	AGTTTTGCTGGTTTGCATTCCGC	TGTGCAAAACCCATGCAAAAAC TG
miR-19d	TGACCCCTGGCCAGCTTTGACAGGGTGGGAGTGCAGCTGTGTGCGTTAGGAGCAGCTGTGCAAAACCCATGCAAAAAGTACTAGGTTGA	-35.2	-	miR-19d-3p	-	TGTGCAAAACCCATGCAAAAAC TGA
miR-1a-1	ATTACCTCTTAGTGTACGACTCTTTTATGTACCCATATGAACATGATAGCTATGGAATGTAAGAAGTATGATTTCTTGGTGAG	-28.72	miR-1a-5p	miR-1a-3p	ACGTAATCTTTATGTACCCA	TGGAATGTAAGAAGTATGT AT
miR-1a-2	GCCTGCTGGGGACATACTCTTTATATGCCATATGAACAAGAGCAACTATGGAATGTAAGAAGTATGATATCCAGGTTGG	-39.6	miR-1a-5p	miR-1a-3p	ACGTAATCTTTATGTACCCA	TGGAATGTAAGAAGTATGT AT
miR-200a	TCTCAGGATCCATCTTACCCGACAGTGTGATGTTGACAGTGTGTTGTTCTAACAAGTGTGTAACAGTATGTTTCTGGGT	-35.2	-	miR-200a-3p	-	TAACACTGTCTGGTAACGAT G
miR-200b	GGTATTATCTCCATCTTACGAGGCAGCATTGGAATTCATCACTTTCTCTAATACTGCCTGTAATGATGATAGTACAT	-34.52	miR-200b-5p	miR-200b-3p	TAATACTGCCTGGTAATGATGA	CATCTTACGAGGCAGCATTG GA
miR-202	CTGTTCTTTTCTCTATACATACCTTTTGGAGATGATGCTTTAAAGAGCCATAGGGCATGGGAAATGGGGCT	-32.7	miR-202-5p	miR-202-3p	TTCCCTATGCATACCTTTTGG	AAAGAGGCATAGGGCATGG GA
miR-204-1	ACCTGGGATTCCTTTGTCATCCTATGCTGGAGCTCAAATGAGGCAAGGACCAAAAGGGTGTCTCAATTGT	-29.6	miR-204-5p	-	TTCCCTTTGTCATCCTATGCCTG	-
miR-204-2	ACCTATGGACTTCCCTTTGTCATCCTATGCTGGAGCTATACAAAAGGGCTGGGAAGGCAAAAGGACGCCCATGTTGT	-31.66	miR-204-5p	-	TTCCCTTTGTCATCCTATGCCTG	-
miR-205-1	ATGATTCTATCCTTCACTCCACCGAGTCTGTGTAAGTGCCAATCAGATTTTCAGTGGTTTGAAGAGTAAACGCATG	-26.7	miR-205-5p	-	TCCTTCATCCACCGAGTCTGT	-
miR-205-2	ATGATTCTATCCTTCACTCCACCGAGTCTGTGTAAGTGCCAATCAGATTTTCAGTGGTTTGAAGAGTAAACGCATG	-27.24	miR-205-5p	-	TCCTTCATCCACCGAGTCTGT	-
miR-206	GCCCTTGTGAGGACATGCTTCTTATATCCCATATTAATACACCCTTATGGAATGTAAGGAAGTGTGGTTTCAAGGGG	-38.02	-	miR-206-3p	-	TGGAATGTAAGGAAGTGTGT GG
miR-20a-1	TCAGTAGTATTAAGTGCTTATAGTGCAGGTAGTTTTTATGAAATCTACTGCAATTGAGCACTTAAAGTACTTCTAGAT	-32.1	miR-20a-5p	miR-20a-1-3p	TAAAGTGCTTATAGTGCAGGTAG	ACTGCATTGTGAGCACTTAA
miR-20a-2	CAGTGTGTGATAAAGTGCTTACAGTGCAGGTAGTATGATAACCTGGCCACTGCAAGTGTGAGCACTTCTTCCACGCTGG	-38.8	miR-20a-5p	miR-20a-2-3p	TAAAGTGCTTATAGTGCAGGTAG	TACTGCAGTGTGAGCACTTCT T
miR-20a-3	TCAGCAGTAAAGTGCTTATAGTGCAGGTAGTTTTTCTCTATCTACTGCAATGTGAGCACTTGAAGTACTTCTAACT	-30.84	miR-20a-5p	miR-20a-3-3p	TAAAGTGCTTATAGTGCAGGTAG	CTGCAATGTGAGCACTTGA GT
miR-210	AAAGCAGGTAAGCCACTGACTAACGCACATTTGCTGCTGCCAGTCCACTGTGCGTGTGACAGCGGCTAACCTGGTTTTG	-34	miR-210-5p	miR-210-3p	AGCCACTGACTAACGCACATTTG	CTGTGCGTGTGACAGCGGCT AA
miR-21-1	GCCTGTACATAGCTTATCAGACTGGTGTGGCTGTTAGATTGCAAGGCGACACAGCTGTAGGCTGTCTGACATTTT	-36.9	miR-21-5p	miR-21-3p	TAGCTTATCAGACTGGTGTGG	CGACAACAGCTGTAGGCTG T
miR-21-2	CCTTGTGCTAGCTTATCAGACTGGTGTGGCTGTTTATGACACGGCAGCAGCAGTCTGTAAGCTGGCTGACGTTGTGGG	-48.9	miR-21-5p	miR-21-3p	TAGCTTATCAGACTGGTGTGG	CGACAACAGCTGTAGGCTG T
miR-214-1	GTGGTGTGCTGCTGTCTACACTGTGCTGCAGACCTTCTGCTCTGTACAGCAGGCACAGACAGGACAGATGGCA	-49.4	miR-214-5p	miR-214-1-3p	TGCCTGTCTACACTGTGCTGTC	TACAGCAGGCACAGACAGGC AG
miR-214-2	TGCAGTGTGCTGCTATCTCCACTTGTGCTGCAGAAATCTCCAACCTGTACAGCAGGCACAGACAGCAGATAGACAACA	-34.82	miR-214-5p	miR-214-2-3p	TGCCTGTCTACACTGTGCTGTC	ACAGCAGGCACAGACAGGC AG

miR-215	GCACAAGGTGATGACCTATGAATTGACAGCCAGTGATTGTAACATCTGCCTGTGAGTCTGTAGGCCACTGCTGCG	-29.2	miR-215-5p	-	ATGACCTATGAATTGACAGC	-
miR-217-1	ATGTGGTGATACTGCATCAGGAAGTATTGGCTGATGCTCAGTAGCCAAACAGTACCTGATGCATTACCATCAGCATC	-37.5	miR-217-1-5p	-	TACTGCATCAGGAAGTATTGGC	-
miR-217-2	ATGCTGATGGTAATGCATCAGGACTGTTGGCTACTGAGCATCAGCAATCAGTTCCTGATGCAGTATCACCACATC	-33.3	miR-217-2-5p	-	TAATGCATCAGGACTGTTGGC	-
miR-2184-1	TTGGGCTCTGAACAGTAAGAGTTTATGTGCTGTAGAAAGAAGCTCAGCATGTAGAGTCTTACAGTGCAGAGACAAAGACCAGG	-31.3	miR-2184-5p	-	AACAGTAAGAGTTTATGTGCTG	-
miR-2184-2	CTCAGCCCTGAACAGTAAGAGTTTATGTGCTGTTGTCTACCTGTGACACATGAGCTTTTACGGTGCAGGGAGGCGAGG	-38.4	miR-2184-5p	-	AACAGTAAGAGTTTATGTGCTG	-
miR-2187	GATTCTGGCTTTAATTAGTATAGCCTGTTTTAGTGATATCAGCAATCTTTACAGGCTATGCTAATCTGTGCCAGAATC	-36.4	miR-2187-5p	miR-2187-3p	TTAATTAGTATAGCCTGTTTTAG	TTTACAGGCTATGCTAATCTG
miR-2188	TGGTGTGGGAAAGTCCAACCTCACATGTCTGTGCGGCTGAAGGAAGGCTGTGTGAGGTCAGACCTATCCACACGGC	-42.7	miR-2188-5p	miR-2188-3p	AAGTCCAACCTCACATGTCT	GCTGTGAGGTCAGACCTA T
miR-218a-1	GGTTGTTCTTTGTGCTTATTAACCATGTGGCTGCCAGGTTCTATAGTGAACATGTTCTGTCAAGCACCATGGAACGGCCA	-44.4	miR-218a-5p	-	TTGTGCTTATTAACCATGTG	-
miR-218a-2	CAGCTGTCTTGTGCTTATTAACCATGTGGCCCCGCCTATTGTGACATCACATGGTCCGTCAAGCGCCAGGACCGCCA	-40.8	miR-218a-5p	-	TTGTGCTTATTAACCATGTG	-
miR-2201-1	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGACTGTGTGGCTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-22.6	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-10	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGACTGTGTGGCTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-23.3	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-11	TCCCATCATGGCACCATGCTGGAGTTTGTGAGTTCTGAAAGCGACTGATCCTTTTACAACCTGTCTGAGAAGCTGGATGCATGCTGGGT GGTT	-25.5	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-12	GGACCACGCGGGGGGGCCATGCTGGAGTTTGTGAGATCCTGAGAGCGACTGATCCTTTACAACCTGTCTGAGAAGCTGGATGCATGCT TGGGTGGTT	-32.9	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-13	TCCCATCATGGCACCATGCTGGAGTTTATTGAGATCCTGAGAGTACTGATCCTGTCAACCTGTCTGAGAAGCTGGATGCATGCTGGG TGGTT	-27.1	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-2	CTTTCATAACTGTCTGAGAAGCTGGATGCATGATAGTGGTGTGATTGCATGCACCCGTAGCTATGGAAGAGTGTGGGGC	-27.1	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-3	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGATAGTGGTGTGATTGCATGCACCCGTAGCTATGGAAGAGTGTGGGGC	-27.8	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-4	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCTGTAGCTATGGAAGAGTGTGGGGC	-24.4	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-5	CTTTCACAGCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCCGTAGCTACGGAAGAGTGTGGGGC	-27	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-6	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-21.3	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-7	CCAACACAACCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-23.1	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-8	CTTTCACAGCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-23.4	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-2201-9	CTTTCACAACCTGTCTGAGAAGCTGGATGCATGCTGGTGGTGTGATTGCACCCGTAGCTATGGAAGAGTGTGGGGC	-24.4	miR-2201-5p	-	TGCTGTAGAAGCTGGATGCAT	-
miR-221	TTTGTCTGAACTGGCATAACAATGTAGATTCTGTGTGGTTCATTTACAGCTACATTTGCTGTGGGTTTACAGGCTAGCA	-34.6	miR-221-5p	miR-221-3p	ACCTGGCATAACAATGTAGATT	AGTACATTGTCTGTGGGTT
miR-22a-1	GACACACAGCAGTTCTCACTGGCAAGCTTTATGTTCTCTGTACACATGCTAAAGCTGCCAGCTGAAGAAGTCTCTGGTGCAG	-43	miR-22a-5p	miR-22a-1-3p	AGTTCTCACTGGCAAGCTTTA	AAGCTGCCAGCTGAAGAAGT G
miR-22a-2	GACCTACAGCAGTTCTCACTGGCAAGCTTTATGTTCTCTGTACACATGCTAAAGCTGCCAGCTGAAGAAGTCTCTGGTGGC	-42.2	miR-22a-5p	miR-22a-2-3p	AGTTCTCACTGGCAAGCTTTA	AAGCTGCCAGCTGAAGAAGT GT
miR-222a-1	CCCCAGCGGCTGCTCAGTAGTCAGTGTAGATCCTGTGGGGCTGGCAGCAGCTACATCTGGCTACTGGTCTCTGCTGGCAG	-43.9	miR-222a-5p	miR-222a-3p	TGCTCAGTAGTCAGTGTAGATC	AGTACATCTGGCTACTGGG TCT
miR-222a-2	TGCTGTCAAGTGTCTCAGTAGGCAGTGTAGATCCTGTGTAGCAATCAGCAGCTACATCTGGCTACTGGTCTCTGACGGCTC	-42.8	miR-222a-5p	miR-222a-3p	TGCTCAGTAGTCAGTGTAGATC	AGTACATCTGGCTACTGGG TCT
miR-2291	GCATTGACCTGCAGGGTGGTGTGATGATGCAGAGCGGAGGAGTCCGTGGTCTGAAGGAGCGACTGAGGCGAGGAGGAATGA	-21.8	-	miR-2291-3p	-	TCTGAAGGAGCGACTGAGGC GAG
miR-22b	CGTTACCTCACAGTCTTTCACTGGCTAGCTTTATGTCGCCAGCCTCAGCTAAAGCTGCCAGTGAAGAGCTGTTGTGTGAAC	-38.1	-	miR-22b-3p	-	AAGCTGCCAGTGAAGAGCT GT
miR-23a-1	TGTGGTGGGAGGGTCTCTGGCAGCGTATTGATGAATAAAGAGATATAAAAATCACATTTGCCAGGATTTCACCTCCTTAC	-33.41	-	miR-23a-3p	-	ATCACATTGCCAGGATTTC C
miR-23a-2	TTGGCTGGAGGGAATCCTGGCAGAGTGAATTTGGTCAATGTAATGTAATACATTTGCCAGGATTTCACACAGCTTC	-39.8	-	miR-23a-3p	-	ATCACATTGCCAGGATTTC C
miR-23a-3	TGTTGACCAGGGGAATCCTGGCAGAGTGAATTTGAGACTACAGCTAAATCACATTTGCCAGGATTTCACATGGCTGAC	-37.3	-	miR-23a-3p	-	ATCACATTGCCAGGATTTC C
miR-23b-1	GTGGCTGTGGGCTCTGGCATGATGATTGGGACAGACAATAAAAATCACATTTGCCAGGATTACTACATGCTA	-32.24	miR-23b-5p	miR-23b-3p	AGGGTCTGGCGTGTGATT	ATCACATTGCCAGGATTAC CA
miR-23b-2	TGGCTGTGAGGGTCTCTGGCGTCTGATTGTGACTTATGATAAAAATCACATTTGCCAGGATTACCACACAGGCT	-34.62	miR-23b-5p	miR-23b-3p	AGGGTCTGGCGTGTGATT	ATCACATTGCCAGGATTAC CA
miR-2476	ATCTAGTGGTCCCATATGGTCTAGCGGTTAGGATTCCTGGTTTTGCGCTGGTGTGACTCCTGGTATGGAACTACTTTAG	-32.4	miR-2476-5p	-	TCCCATATGGTCTAGCGGTTAG	-

miR-25	TGGTGTGAGAGGCGGAGACTTGGGCAATTGCCAGCCATCCCAGAGGGCATTGCACCTGTCTCGGTCTGACAGTGCCGGC	-34.6	miR-25-5p	miR-25-3p	AGGCGGAGACTTGGGCAATTG	CATTGCACCTGTCTCGGTCTGA
miR-26b	CTGGGCGCTGATTCAGTAATCCAGGATAGGTTTGTTCAGACAAGTACAGCCTATCCCGGATGACTTGGTTCAGGAACGC	-34.6	-	miR-26b-3p	-	TTCAAGTAATCCAGGATAGG
miR-26a-1	CTGGGCTGTCTTCAAGTAATCCAGGATAGGCTTGTAAAGTGGGGGAAGCCTATTCCAGGATGACTTGGTTCAGAAACAA	-35.6	miR-26a-5p	-	TTCAAGTAATCCAGGATAGGCT	
miR-26a-2	TGTAACCTGGTTCAGTAATCCAGGATAGGCTTCTGTACCTGCTTTGGCCTATGCTTGATTACTTGCCTTGGGGCAGC	-35.2	miR-26a-5p	miR-26a-2-3p	TTCAAGTAATCCAGGATAGGCT	CCTATGCTTACTTCTGCGCT
miR-26a-3	TGTGATTCAAGTAATCCAGGATAGGCTGTGTATTCTGTGGCCTATTGATGACTTGCCTGGGGCAGC	-35.5	miR-26a-5p	miR-26a-3-3p	TTCAAGTAATCCAGGATAGGCT	CCTATTCATGACTTGCACCT
miR-27a	TGGTTGAAGTGCAGGACTTAGCTTGTCCGTGAACAGTTCAGTGAACCTGTGTTACAGTGGCTAAGTCCGCTCCTCACAAG	-28.5	-	miR-27a-3p	-	TTCACAGTGGCTAAGTCCGC
miR-27b	AGCTAGGCACAGAGCTTAGCTGATTGGTGAACAGTATTGATTTCTCTTTGTTACAGTGGCTAAGTTCGCACCTGAGGAGA	-33.3	miR-27b-5p	miR-27b-3p	AGAGCTTAGCTGATTGGTGAAC	TTCACAGTGGCTAAGTTCGCA
miR-27c	TGCGCGCAGCAGGACTTAACCCACGTGTGAACAGTATGTGTTACCATTGTTACAGTGGTAAAGTTCGCCACACCGG	-40.6	miR-27c-5p	miR-27c-3p	CAGGACTTAACCCACGTGAAC	TTCACAGTGGTAAAGTTCGC
miR-27d-1	CTATGTGTTTTCACAGTGGCTAAGTTCAGTGCCTGAGGTGAATAGTTGATTCGATGGAGTGGATTTGTTCCGGTGAAGAAAGAAC	-18.5	miR-27d-5p	-	TTCACAGTGGCTAAGTTCAGT	-
miR-27d-2	TTCAAGATGCAGAGCTTAGCTCATTAGTGAGCATTGAACCAACAGGAATTGTTACAGTGGCTAAGTTCAGTGTCTGACATG	-32.5	miR-27d-5p	-	TTCACAGTGGCTAAGTTCAGT	-
miR-29a	TCCAAGTTGACCGATTTCTTTGGTGTTCAGAGTCTGCTTTGTTTCTAGCACCATTGAAATCGGTTACAGTGAAGGA	-29.1	miR-29a-5p	miR-29a-3p	ACCGATTTCTTTGGTGTTCAGA	TAGCACATTTGAAATCGGTTA
miR-29b-1	TCCCCAGAAACTGGTTTCAGATGGTGTCTTAGAGTAAATCTCATCTAGCACCATTGAAATCGGTTCTTGAGCAG	-33.5	miR-29b-1-5p	miR-29b-1-3p	ACTGGTTTCAGATGGTGTCTAGA	TAGCACATTTGAAATCGGTTG
miR-29b-2	CCCTTGAAGCTGTTTCAGATGGTGGCATAGATATGTCACCTGTCTAGCACCATTGAAATCAGTGTCTTGGGGCG	-35.6	miR-29b-2-5p	miR-29b-2-3p	CTGGTTTCAGATGGTGGCATAGA	TAGCACATTTGAAATCAGTGT
miR-29c-1	TCTCAACAGCTGACCGTTTCTCTGGTGTTCAGAGTTCATCATGTCTAGCACCATTGAAATCGGTTACAATGTTGAG	-24.1	-	miR-29c-3p	-	TAGCACATTTGAAATCGGTTA
miR-29c-2	CCACAAAAGATAACTGATTTCTCTGGTGTCTAGAGCTACTACAGCCTTCTAGCACCATTGAAATCGGTTATAAAACTGTG	-31.3	-	miR-29c-3p	-	TAGCACATTTGAAATCGGTTA
miR-29c-3	CTCTCAAGTTGACCGATTTCTTTGGTGTTCAGAGTCTGCTTTGTTTCTAGCACCATTGAAATCGGTTACAGTGAAGGA	-30.6	-	miR-29c-3p	-	TAGCACATTTGAAATCGGTTA
miR-29d-1	CCCCAAGAAGCTGTTTTCAGTGGTGTGATGTTGTTCTGTTCTAGCACCATTGAAATCAGTGTCTTGGGGAG	-40.2	miR-29d-1-5p	miR-29d-1-3p	CTGGTTTCAGTGGTGTGTTAGA	TAGCACATTTGAAATCAGTGT
miR-29d-2	TGCACTCAGAACTGATTTTCATTTGGTGGCATAGATGTTGTAAGTCTCTAGCACCATTGAAATCAGTGTCTTGGGACGT	-33.5	-	miR-29d-2-3p	CTGGTTTCAGTGGTGTGTTAGA	TAGCACATTTGAAATCAGTGT
miR-301a-1	AGAGGTCAGCTGTTTTCAGATGTTGCACTACTGTACCATCCGCTAAAGCAGTGAATAGTATTGTCATAGCATTGGCCTT	-29.94	-	miR-301a-3p	-	CAGTGAATAGTATTGTCATAGC
miR-301a-2	GAGGTCAGCTGTTTTCAGATGTTGCACTACTGTACCATCCGCTAAAGCAGTGAATAGTATTGTCATAGCATTGGCCTT	-31.8	-	miR-301a-3p	-	CAGTGAATAGTATTGTCATAGC
miR-301b	GGTCAGCTGTTTTCAGATGTTGCACTACTGTACCATCCGCTAAAGCAGTGAATAGTATTGTCATAGCATTGGCCTT	-27.94	miR-301b-5p	miR-301b-3p	TTTGACGATGTTGCACTACTG	CAGTGAATAGTATTGTCATAGC
miR-301c-1	AGGTCAGCTGTTTTCAGATGTTGCACTACTGTACCATCCGCTAAAGCAGTGAATAGTATTGTCATAGCATTGGCCTT	-31.8	-	miR-301c-3p	-	CAGTGAATAGTATTGTCATAGC
miR-301c-2	GAGGTCAGCTGTTTTCAGATGTTGCACTACTGTACCATCCGCTAAAGCAGTGAATAGTATTGTCATAGCATTGGCCTT	-28.74	-	miR-301c-3p	-	CAGTGAATAGTATTGTCATAGC
miR-30b	ACTCAGTTCATGTAACATCCTACACTCAGCTGTAATCATTGACAGCAGAGGCTGAGAGAAGTTGTTACTTGAACCTGGCT	-34	miR-30b-5p	miR-30b-3p	TGTAACATCCTACACTCAGCT	CTGAGAGAAGTTGTTACTT
miR-30c-1	TCTCCAGGCATGTAACATCCTACACTCAGCTGTTGTCATGGAGCTGGGAGAGGGGTGTTTACACTTCTGGTG	-37.9	miR-30c-1-5p	miR-30c-1-3p	TGTAACATCCTACACTCCTCAGC	CTGGGAGAGGGGTGTTTAC
miR-30c-2	TTCCAGGTAGTGAACATCCTACACTCAGCTGTTGTCATGGAGCTGGGAGAGGGGTGTTTACACTTCTGGTG	-45.3	miR-30c-2-5p	miR-30c-2-3p	TGTAACATCCTACACTCCTCGG	CGGGAGTGGGACTGTTTGA
miR-30d	ATTTTGGGCTGTAACATCCTCCGACTGGAAGCTGTCTATCTGACAGCTTTCAGTGTGATGTTTGTCTTCTGCCACTGC	-32.4	miR-30d-5p	miR-30d-3p	TGTAACATCCTCCGACTGGAAG	CTTTTCACTGATGTTTGTCT
miR-30e-1	TCAGGGCTACTGTAACATCCTTACTGGAAGCTGGTGTTCGGTCTGGGCTTTCAGTGGATGTTGACAGCAGCAACTGC	-41.1	miR-30e-5p	miR-30e-3p	TGTAACATCCTTACTGGAAG	CTTTTCACTGATGTTTGTGCA
miR-30e-2	CTGGAGGGCTGTAACATCCTTACTGGAAGCTGGGTTTGGACGGTGAAGCTTTCAGTGGATGTTGACAGCAGCAACTGC	-42.2	miR-30e-5p	miR-30e-3p	TGTAACATCCTTACTGGAAG	CTTTTCACTGATGTTTGTGCA
miR-31	CCAGAAAGAGCAAGATGTTGGCATAGCTTTGAGTTGAAAGCCCTGCTATGCCATCAAATGCCATTTTCTCTCCC	-32	miR-31-5p	miR-31-3p	AGGCAAGATGTTGGCATAGCTG	GCTATGCCATCAAATGCCAT
miR-33b-1	TGGAGCTGTGGTCACTTAGTGTGCAATGCATGTTATGCTAACACCTGCAATGATCTGCTTTGCAACACAGAAGTGGCCAT	-31.1	miR-33b-5p	miR-33b-3p	GTGCATTGATGTCATTGCA	CAATGTACCTGCAAGTGAAC
miR-33b-2	CAGAGCTGCGGTGCATTGATGTTGCATGATGTTGTTCTCAGCGGAGTGAAGCTTTCAGTGGATGTTGACAGCAGCAACTGC	-40.1	miR-33b-5p	miR-33b-3p	GTGCATTGATGTCATTGCA	CAATGTACCTGCAAGTGAAC
miR-33-3	GGTGGCTGATGCACTTAGTGTGCAATGCATGATCTGAAAGTGCAGTGAAGTGTGCTGCAAGTGCAGTACAGAGGCT	-41.8	miR-33-5p	miR-33-3p	GTGCATTGATGTCATTGCA	CAATGTACCTGCAAGTGAAC
miR-338-1	TGCTTCTGGAACAATCCTGGTGTCTGCTCGAGTGTCCATACAGACTCCAGCATCAGTATTTTGTGACGGGGCCA	-37	miR-338-5p	miR-338-3p	AACAATATCCTGGTGTCTGCA	TCCAGCATCAGTATTTTGTG
miR-338-2	TGCCTCTGGAAACAATATCAGGATGCTGTCTGGGTGTAAAGCAGAACTCCAGCATCAGTATTTTGTGCCAGGGGAG	-40.8	miR-338-5p	miR-338-3p	AACAATATCCTGGTGTCTGCA	TCCAGCATCAGTATTTTGTG

miR-92a-2	CCCTTTCTGTGCAGGTTGGGAGAGGTTGCAATGCTCTATACATGTATGGTATTGCACTTGTCCCGGCCTGTGGAGGACATG	-38.9	miR-92a-5p	miR-92a-3p	AGTTGGGAGAGGTTGCAATGC	TATTGCACTTGTCCCGCCTGT
miR-93	TCTGGGTGCCAAAAGTGTCTTTGTGCAGGTAGCAGTCATCCAACACTGCAAAACCAGCACTTCAGGCAGACAGGT	-32.6	miR-93-5p	-	AAAAGTGTGTTTTGTGCAGGTAG	-
miR-99a	ATTTGGCACAAACCCGTAGATCCGATCTTGTGGCCAATCTGACAGCACAAAGCTCGCCTCTGTGGGTCTTTGTCACTGT	-25.52	miR-99a-5p	miR-99a-3p	AACCCGTAGATCCGATCTTGTG	CAAGCTCGCCTCTGTGGGTC
miR-9a-1	TTTTTTTTCTCTTTGGTTATCTAGCTGTATGAGTTTATGAAATATCATAAAGCTAGAGAACCGAATGTATAAACTAA	-21.5	miR-9a-5p	miR-9a-2-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGAGAACCGAATG
miR-9a-2	TCTGTTTTGTCTTTGGTTATCTAGCTGTATGAGTGAATACGTGTCATAAAGCTAGATAACCGAAAAGTAGAAATGA	-31.5	miR-9a-5p	miR-9a-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGATAACCGAAA
miR-9a-3	TCAGTTTGTCTTTGGTTATCTAGCTGTATGAGTTTTAATTCATAAAGCTAGAGAACCGAAAAGTAGAACTGAC	-35.7	miR-9a-5p	miR-9a-3-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGAGAACCGAAA
miR-9a-4	TTGGTTGTTATCTTTGGTTATCTAGCTGTATGAGTGATGTACATTCCTCATAAAGCTAGATAACCGAAAAGTAACAAGAA	-35.6	miR-9a-5p	miR-9a-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGATAACCGAAA
miR-9a-5	TGGGTTGTTATCTTTGGTTATCTAGCTGTATGAGTGTCTGCTCATAAAGCTAGATAACCGAAAAGTAAAACTA	-32.8	miR-9a-5p	miR-9a-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGATAACCGAAA
miR-9a-6	TTGTCTGTTATCTTTGGTTATCTAGCTGTATGAGTGACGTACATTCCTCATAAAGCTAGATAACCGAAAAGTAACAAGAA	-34.1	miR-9a-5p	miR-9a-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGATAACCGAAA
miR-9a-7	CCTGTTCTTTCTTTGGTTATCTAGCTGTATGAGTGAATCATCCATCATAAAGCTAGATAACCGAAAAGTAGGAATGA	-34	miR-9a-5p	miR-9a-3p	TCTTTGGTTATCTAGCTGTATGA	TAAAGCTAGATAACCGAAA

Supplementary Table S3 | Novel miRNA information

Novel ID	Precursors	MFE	Mature ID		Mature sequences	
			Mature miRNA -5p	Mature miRNA -3p	Mature miRNA -5p	Mature miRNA -3p
Novel-mir-1	CCCCGGGATCAAACCACGGGCGCTGCCAGTGCTTTTGGTCTCCCCCTCGTGGTTTGAAGAGTCGT	-22.1	Novel-mir-1-5p	-	AAACCACGGGCGCTGCCAG	-
Novel-mir-2	GAGCTGACTTAAATGAGTAAGCAGCTGATGTGCCAAAAAGTTGCAAAACATTGCCAGGCAGCTTGTGCTCATAGCAAGCCTCA	-22.6	Novel-mir-2-5p	-	AAATGAGTAAGCAGCTGATGTGCC	-
Novel-mir-3	AACACCCAGAAATCAACAAAATAGTCAAGGACATGGCGAGCCCCCTGGCGTATTGTGCATAAGCTCCCTAGAAGCTTGGCTGTGATGTGAGGCTGGTGAA	-32.5	Novel-mir-3-5p	Novel-mir-3-3p	AACAAAATAGTCAAGGACATGGC	TAGAAGCTTGGCTGTGATGTGA
Novel-mir-4	CCTGCAGTAGAACACATTGAGTTGTCTGCTAGATGACGGTCTCTACAGCAGGGTGGATGGTTTTCTTTAGC	-20.1	Novel-mir-4-5p	-	AACACATTCAGTTGTCTGCTAGA	-
Novel-mir-5	GGACACAGCAAAACATGTGGAAGAAGGTGTTCTGGTCAGGCAAAATGAACTTTTTTGGTCTACATGCAAAACGCTATGTGTGG	-19.2 6	Novel-mir-5-5p	-	AACATGTGGAAGAAGGTGTTCT	-
Novel-mir-6-1	GCACGAAAGAAATCTCTTCAGGACTGTGCATGCGCAAGGATAAACCCAATAGCGACAGCTCTTAGAGGGAAGCCTATACAA	-22.3	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-2	GGCGCAAAAGAATCTCTTCAGGACTGTGCATGCGCGAGGATAACCCAATAGCAACAGTCTTAGAGGGCAAAAGCCT	-21.9 4	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-3	GGCGCAAAAGAATCTCTTCAGGACTGTGCATGCGCGAGGATAAACCCAATAGCGACAGCTCTTAGAGGGTGAAGCCT	-22.8 4	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-4	GGCGCAAAAGAATCTCTTCAGGACTGTGCATGCGCGAGGATAAACCCAATAGCGACAGCTCTTAGAGGGCGAAGCCT	-23.5	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-5	GGCGCAAAAGAATCTCTTCAGGACTGTGCATGCGTGAGGATAAACCCAATAGCGGACAGCTCTTAGAGGGCTACGCCT	-24.8	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-6	GGCGTGAAGAATCTCTTCAGGACTGTGCATGCGCGAGGATAAACCCAATAGCGACAGCTCTTAGAGGGCTACGCCT	-25.3	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-6-7	GTGCAAAAAAATCTCTTCAGGACTGTGCATGCGTGAGGATAAACCCAATAGTGACAGTTTTTAGAGGGCTATGCCA	-21	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCCG	-
Novel-mir-7	ATGTGAGGACACAAGGATGTGAAGCTGAACGCGTGCAATAAAATGTCTGTGCAATAACTGTGTCTTTGTCTG	-18.9	Novel-mir-7-5p	-	ACAAGGATGTGAAGCTGAACGCG	-
Novel-mir-8	CCAGGCAAGAACATTTACTTTGGAGCAAGCTGCCTGGAACCTCGGCTCTCTCTGAAGTAGTGCAGTCATGGTTGA	-21.7	Novel-mir-8-5p	-	ACATTTACTTTGGAGCAAGCTGCC	-
Novel-mir-9	GGGATGGACACCAGATGGAGCAGAGCAGACCTCCCCTTTTGGCCACCTCACTGCACGCATGGTCTTTATTGTCTCTTCATCCTTC	-22.7 1	Novel-mir-9-5p	-	ACCAGATGGAGCAGAGCAGAGCAC	-
Novel-mir-10	CCCGTGTAGTACCAGATGGGCGAGAGCAGACCTCCCCTTTTGGCCACCTCACTGCACGCATGGTCTTTATTGTCTCTTCATCCTTC	-24.2	Novel-mir-10-5p	Novel-mir-10-3p	ACCAGATGGGCGAGAGCAGAGCAC	ATGGTCTGTCTTTAGCTCTTCTTCTC
Novel-mir-11	ACCAAGGCTGACCGTTTTCTCTGGTGTTCAGAGTTCCATCATGTCTAGCACCAATTTGAAATCGGTTACAATGTTGAGGG	-22	Novel-mir-11-5p	-	ACCGTTTTCTCTGGTGTTCAGAA	-
Novel-mir-12-1	CTTGCTAAAAACCTGTAAAAATCTGTGAGGCAGTAAGTCCATGTTGAACTGTTTACAAAAGTTTTTCTTCAGGGAATTTTTTCCAGG	-22.1	Novel-mir-12-5p	-	ACCTGTAATAATCTGTGAGGCA	-
Novel-mir-12-2	CTTGCTAAAAACCTGTAAAAATCTGTGAGGCAGTAAGTCCATGTTGAACTGTTTACAAAAGTTTTTCTTCAGGGAATTTTTTCCAGG	-22.1	Novel-mir-12-5p	-	ACCTGTAATAATCTGTGAGGCA	-
Novel-mir-13	GCGGTCAGAAACGATAGTATGGGGTGGCGTGAATATGAAAAACATGCTGAACAGGAGCTGTACGGTTCTAGAGCAG	-19.3	Novel-mir-13-5p	-	ACGATAGTATGGGGTGGCGG	-
Novel-mir-14	TACTATGAGAAGTGAATCCATAGATGGTGGCTACTTCAGGTGTCTATGTGGGCTCAGTCTTTTGGCATGGTACT	-32.8	Novel-mir-14-5p	Novel-mir-14-3p	ACTGAATCCATAGATGG	ATCTATGGGCTCAGTCTTTTG
Novel-mir-15	CCAAAAGATAACTGATTTCTCTGGTCTTAGAGCTCACTACAGCCTTCTAGCACCAATTTGAAATCGGTTATAAAAACCTGTGGA	-32.2	Novel-mir-15-5p	-	ACTGATTTCTCTGGTGTCTTAG	-

Novel-mir-16	TATTTTTAAAACCTACTTGAAGACTCATTGTATGCCTTTGCATTTGATAGGCTATGAGAATGTGTTGGGCTGTGTTTGGTTGATAG	-19	Novel-mir-16-5 p	-	ACTTACTTGAAGACTCATTGTGA	-
Novel-mir-17	GAGCCAGGAACCTGTAGGACTGATACAGTCTTGAGCATATTCAGTTCCAGGTTGTCGGGACAC	-25	Novel-mir-17-5 p	-	ACTTGTAGGACTGATACAGTGC	-
Novel-mir-18	GAAAAAATTAGAAGAAGGCATATGGACGTTGTTTTACCTAAAACCTACGGCCAGATGCCTTCTGCTAAGATTTTTTC	-31.7	Novel-mir-18-5 p	Novel-mir-18-3 p	AGAAGAAGGCATATGGACGTT GT	TACGGCCAGATGCCTTCTGCT
Novel-mir-19	TTTAGATAACAGAGAAAGAAATGTGGAATTGCTGGTTCTGTCAATTAATTTTTCCACGTTAATTTCTTTATAATTTATTAGGG	-18.4	Novel-mir-19-5 p	-	AGAGAAAGAAATGTGGAATTGCTG	-
Novel-mir-20	CAGAACCTCCAGAGGACGGAAGTAGAGCAGATTTTCTTCTCTCTTCTACTTCTTCTCTCTCAGGAACTTGAA	-23	Novel-mir-20-5 p	-	AGAGGACGGAAGTAGAGCAG A	-
Novel-mir-21	GGAGGGGCAAAGAGGAGTGGAGGGGAGAAGAGGAGGGGATACTGCCTGAGTTGTTTTGATTCTCACITTTGCTACTAACGG	-23	Novel-mir-21-5 p	Novel-mir-21-3 p	AGAGGAGTGGAGGGAGAAGAG GA	TTGTTTTGATTCTCACTTTG
Novel-mir-22	CACAGGCAGCAGATGGATGTTTACTGTGAGGAGGTGCTGGATGTGCTGACCTCTGCAGGATGGCGCTGCAAGAGCTGCAGACC	-29.4	Novel-mir-22-5 p	-	AGATGGATGTTTACTGTGAGGA GG	-
Novel-mir-23	GATCAGTTTCAAGCTCGGCATCTGTACATGAACGTCAAAGTCCGCGGACAGACAAGTTGTTCTGCCATCCCTGAACAGTGT	-18.1	Novel-mir-23-5 p	Novel-mir-23-3 p	AGCTCGGCATCTGTACATGAAC TGCA	ACAAGTTGTTCTGCCATCCTCC
Novel-mir-24	GACCCTGGCCAGCTTTCAGGGTGGCAGTCAAGCTGTGTGCGTTAGGAGCAGCTGTGCAAAACCCATGCAAACTGACCATGGCT GGAGTTGTCA	-35.3	Novel-mir-24-5 p	-	AGCTTTCAGGGTGGCAGTCA AGC	-
Novel-mir-25	TGGCCAACACAGGAAGAGGATGAAGACAGTGTGTTCTAGAGGATACATGAGGATCAGAGATTGCGTCCACATTTATTGAG AACGGTAC	-19.5	Novel-mir-25-5 p	-	AGGAAGAGGATGAAGACAGTGA TG	-
Novel-mir-26-1	TGCTAGGCAGAGGAAGGACAAGTTGGCAGCCATCTGTACTGTGTGGGACAAGTGGTGGAAACGGCTTCCACTTCTATAACCCCTG GGCCCAATG	-27.2	Novel-mir-26-5 p	-	AGGAAGGACAAGTTGGCAGC	-
Novel-mir-26-2	TGCTAGGCAGAGGAAGGACAAGTTGGCAGCCATCTGTACTGTGTGGGACAAGTGGTGGAAACGGCTTCCACTTCTATAACCCCTG GGC	-27.9	Novel-mir-26-5 p	-	AGGAAGGACAAGTTGGCAGC	-
Novel-mir-27	GTTGAAGTGCAGGACTTAGCTTGTCCGTGAACAGTTCAGTGAACCTGTGTTTACAGTGGCTAAGTCCGCTCCTCACA	-28.5	Novel-mir-27-5 p	-	AGGACTTAGCTTGTCCGTGAA C	-
Novel-mir-28	CCCCGGCACCAGGCTTGAGAGCATAGCGGCCGTTCCGGAGGACGACCTCTATGCCAGGCTTGAGAGCATAGTGGCCGGTCAGGA	-37.6	Novel-mir-28-5 p	-	AGGCTTGAGAGCATAGCGGC	-
Novel-mir-29	TCAGTAGCAGAGGGTTGTACATTAATGAGCACCATCGACAATGCTCATATGCTCCACCCCACTGCTGTGAA	-25.6	Novel-mir-29-5 p	-	AGGGGTTGTACATTAATGAGC	-
Novel-mir-30-1	AAGAATACACAGGTAATGCTCTGCAGAGAGGGCAGCAGAACCCCTGGTATCTTCTACAGTCTTACCACCTCTGCAAGCGCTT GCGGTACATAGCA	-31.5	Novel-mir-30-5 p	-	AGGTAATGCTCTGCAGAGAG GGC	-
Novel-mir-30-2	CACCCTGCGGAGGTAATGCTCTGCAGAGAGGGCAGTGGAGTCCCTTCTGATCTTCCACAGTCTTACCACCTCTGCAAGCGCT TGTGGTCCATAGCAGTAGT	-37.7 3	Novel-mir-30-5 p	Novel-mir-30-3 p	AGGTAATGCTCTGCAGAGAG GGC	CACTCTGCAGGGCTTGTGGT CCA
Novel-mir-31	CTCCAGTGCAGGTGGGGATTAGTAGCAATGCTGTGACCTGGAGGATTGCACTTGTCCCGGCTGTGTAGGAAT	-38.8	Novel-mir-31-5 p	-	AGGTGGGGATTAGTAGCAATG	-
Novel-mir-32	CACGGAGTCGAGTATAAAGAGGAGCGAGCTAAGCACTCACTGGAGGCTAAGTGTATATGCATTGTTCTTCTGTGACCAGCAATAAA GG	-19.7 2	Novel-mir-32-5 p	Novel-mir-32-3 p	AGTATAAAGAGGAGCGAGCTAA GC	TATGATTGTTCTTCTGTGACCA
Novel-mir-33-1	TTTAATCCGGATAAAAATTGATCCGGATTAGTAATCCTTTTTTTGCAATCCGTGATCACGTAATCCATCTTACT	-18.7	Novel-mir-33-5 p	-	ATAAAATTGATCCGGATTAGT AA	-
Novel-mir-33-2	TTTAATCCGGATAAAAATTGATCCGGATTAGTAATCCTTTTTTTGCGATCCGTGATCACGTAATCCAGCTTACT	-19.1	Novel-mir-33-5 p	-	ATAAAATTGATCCGGATTAGT AA	-
Novel-mir-33-3	TTTAATCCGGATAAAAATTGATCCGGATTAGTAATCCTTTTTTTGCGATCCGTGATCACGTAATCCATCTTACT	-19.1	Novel-mir-33-5 p	-	ATAAAATTGATCCGGATTAGT AA	-
Novel-mir-33-4	TTTAATCCGGATAAAAATTGATCCGGATTAGTAATCCTTTTTTTGCGATCCGTGATCACGTAATCCAGCTTACT	-19.1	Novel-mir-33-5 p	-	ATAAAATTGATCCGGATTAGT AA	-
Novel-mir-34	TCTCCTTCGCATAGAGTTGAATAGTTGTGCTAGTTGGCCCTGTGGAAATGTTGGTCCACTCCTCTTCAATGGCTGTGCGAACTTGCTG G	-28.5	Novel-mir-34-5 p	Novel-mir-34-3 p	ATAGAGTTGAATAGTTGTGCGA TT	TCCTCTTCAATGGCTGTGCG
Novel-mir-35	TCTTCCACACATCATGGACAGGTGCTTTCCTTTGCGTCAATGACAGGAGCCTGACAGAAGGGAAGTACGACAGTCCAATGTATGAA TTT	-29.8	Novel-mir-35-5 p	-	ATCATGGACAGGTGCTTTCCTT T	-
Novel-mir-36	TCAGGAGCTGATCTGAACAAGTGATTTCCGGAGGAAACCGATGTTGGAAGTGTGCTTCTCATTCTCCCA	-22.3	Novel-mir-36-5 p	-	ATCTGAACAAGTGATTTCCGGA G	-
Novel-mir-37-1	AGTTTTGTCATGAAGTGTAGGTTGGGCTGCGAGAGAAAGCGACACTCTGAGCTGGTCAAGGTGGTGTATCCG	-18.3	Novel-mir-37-5 p	-	ATGAAGTGTAGGTTGGGCT GCG	-
Novel-mir-37-2	GTTATTGTCATGAAGTGTAGGTTGGGCTGCGAGGAAAGTGAACACTCTGAGCTGGTCAAGGTGGTGTATCCGGTAGACTGAAG AAGTAACA	-20.4	Novel-mir-37-5 p	-	ATGAAGTGTAGGTTGGGCT GCG	-

Novel-mir-38	CGAGTGAGGAATGATCAAACGAGGAAATGGGTTTTAACCACTGGGTACATCTCAAGTCTCTTGATGATCATTCTTGTCTTT	-43.7	Novel-mir-38-5 p	Novel-mir-38-3 p	ATGATCAAACGAGGAAATGGG	CAAGTCTCTTGATGATCATTCT
Novel-mir-39	ACATCCATAAAAGTCTGCTTAAAGCTGTACTGTGACTATCGCACAGTGGAATGTGACTGTGGTCAGATGAATCAGTGTGGAGGTC	-27.2	Novel-mir-39-5 p	-	ATGCTGCTTAAAGCTGTACTGT	-
Novel-mir-40	ATTAATCCTGATGTTGCTTTGGCCACTGAGGGGTCGGTCTGATTGCAATGAATTCAGAGATACTTCATTGATAAAAGTTGGGCTA	-20.7	Novel-mir-40-5 p	Novel-mir-40-3 p	ATGTTGCTTTGGCCACTGAGGGG	TTGATAAAAGTTGGGCTATTAGA
Novel-mir-41	CCGCTTTGCCATGATTTTCTCCAATAAGTTCAAGTCTCTTCAAGGTTACCCCTCTTCAGGGAGATTAATGGTCTTATCCTGGGAAT	-24.7	Novel-mir-41-5 p	Novel-mir-41-3 p	ATTTCTCCAATAAGTTCAAGTCT	TAATGGTCTTATCCTGGGAATGGC
Novel-mir-42-1	TTGCAGACCAATTTGATGCAGCGTGCAGGCTATGGTCTGAGCACTGACAGGCTGACCCCCACCCCTTCAACCTCTGCAGC	-21.6	Novel-mir-42-5 p	-	ATTTGATGCAGCGTGCAGGCTA	-
Novel-mir-42-2	TTGCAGACCAATTTGATGCAGCGTGCAGGCTATGGTCTGAGCACTGACAGGCTGACCCCCACCCCTTCAACCTCTGCAGC	-23.9	Novel-mir-42-5 p	-	ATTTGATGCAGCGTGCAGGCTA	-
Novel-mir-43	GGCCATGGGCCAAACACGTCGAGACCCACATAGGTGACAGGAGGCTGCTGCTGTCTTCTGGTAGGTCAGACATGATTTG	-41.8	Novel-mir-43-5 p	-	CAAACACGTCGAGACCCACATA	-
Novel-mir-44	TGTTTGGCAAATGGACGGTGCCTTGCCTTCGTGTCAAAGTGCATGCACAGAAGTTCAGGTAATCAGCCATTTAGTGAGG	-27.4	Novel-mir-44-5 p	-	CAAATGGACGGTGCCTTG	-
Novel-mir-45	TAGGCTTAAACAAGATCTGGAGAGTTGGGAGTACTTATTGACTTGTGGCCAGACTTGGAGAAAAGTGAAGACAGC	-19.7	Novel-mir-45-5 p	-	CAAGATCTGGAGAGTTGGGAG	-
Novel-mir-46	CCTTGTCCGGCAATTTACATACTGGGTGAAGTTGGGGAGAGAAGCATGGTTAAAGTCCCCCGAGGTAAGAATTAAGCCTGTGG	-18.9 6	Novel-mir-46-5 p	Novel-mir-46-3 p	CAATTTACATACTGGGTGAAGT	TAAGAATTAAGCCTGTGGATGTT
Novel-mir-47	TAATGCTCCAGCCACCTTTGAGAGATTGATGGAGCGGGTCTCAAGGACATTCCAGAACCCGCTGCGTAGTTTACCTGGACGACT	-33	Novel-mir-47-5 p	Novel-mir-47-3 p	CACCTTTGAGAGATTGATGGAG	GCCTGATTTACCTGGACGACTTG
Novel-mir-48	GCAGCGTCCACTGCCTGGAATCTTGTGCACCTTTCGTAGCCCGTGTAGCCGAGTTGGTAGAGCATG	-20.7	Novel-mir-48-5 p	-	CACTGCCTGGAATCTTGTCTGC	-
Novel-mir-49	TCCATAAACACAGATATTAAGGTGGAAGTGTGACTGAATTGCATACAATTGTACAGGTGTACCTACTAAAGTCCCGTTAGTGTA	-18.4	Novel-mir-49-5 p	-	CAGATATTAAGGTGGAAGTGTG	-
Novel-mir-50	CCATCTACAGCAGGACTGGTTTTGGCCCTGCACCCGTCTGTCTGCTGGCTGGGAGCAGCTGCTTCTTTAT	-23.8	Novel-mir-50-5 p	-	CAGGACTGGTTTTGGCCTCTGC	-
Novel-mir-51	GGGCTCAAAGCAGGTGTAGAAGTGTGGAGTATCCGGCAGGCTGTCTGTGGGCTGATGATGCTGGTGGTGGTCT	-22.4	Novel-mir-51-5 p	Novel-mir-51-3 p	CAGGTGTAGAAGTGTGAGG	TGTCTGTGGGCTGATGATGCTG
Novel-mir-52	CGTGTAAACAGTTGGTACATCATAGATGGAGAAGCTCGTGGCCGTGCTCCAACACGACCTACTGCTGTGAATTAACCTCATGG	-24.2 2	Novel-mir-52-5 p	-	CAGTTGGTACATCATAGATGGA	-
Novel-mir-53	TACATTGCCGATTTCTCAAGGGCAAGCAGGAGCGAGTGGGATCCAGCAGGTGTCACAGATGAGGCAGGCAGACTG	-21.1	Novel-mir-53-5 p	-	CATTTCTCAAGGGCAAGCAGGA	-
Novel-mir-54	CTGAGCAAACACAGCAGTGTGAGCAGCAGAGAACAGACTCCCTGATTCTCTGTAGAAGTGTATCGGCAGCTCCTGGA	-21.4	Novel-mir-54-5 p	Novel-mir-54-3 p	CCAGACAGTGTGAGCAGCA	TTCTCTGTAGAAGTGTATCGGC
Novel-mir-55	ATAAACTGGGGCCCTGTCTGACACCACATCCCTGGGGAGACCACGCAACCGGAACACATGTAGGATGAGGAGTTGGGCTGTGT	-33.2	Novel-mir-55-5 p	Novel-mir-55-3 p	CCCCTGTCTGACACCACATCCC	TAGGATGAGGAGTTGGGCTGTG
Novel-mir-56	GCTGCCGTAACCGTCTGAAGTGAATCTCCCTCCATTGAGCTGTGTCGGCTCTCCCTTAAAGGTATGTTCAACAGGCTGATTGTAG	-22.4 2	Novel-mir-56-5 p	-	CCGGTCTGAAGTGAATCTCCCT	-
Novel-mir-57	CCAGGTGTGGATGCCTAGTTTAACTGTTGGCCTGGAGTGCCAAAGCCACCGTTGGGATCGACAGGGCGCTGGCTAGAAATCTGA	-32.2	Novel-mir-57-5 p	Novel-mir-57-3 p	CCTAGTTAACTGTTGGCCTGG	TGGGATCGACAGGGCGCTGGCT
Novel-mir-58-1	ACCCTTCAAACCTGAGAGACCTGGAGCAGCTGGCAAAGAAGAGTGGTCCAGAATCCAGTAGAGAGGTGGA	-20.6	Novel-mir-58-5 p	-	CCTGAGAGACCTGGAGCAGCT	-
Novel-mir-58-2	AGCCTTCAAACCTGAGAGACCTGGAGCAGCTGGCAAAGAAGACTGGTCCAAGATCCAGTAAAGAGGTG	-20.3	Novel-mir-58-5 p	-	CCTGAGAGACCTGGAGCAGCT	-
Novel-mir-59	ACTCCTCCTCCTGGAGAACTGACGAGAGAGGGCATCCACCTTCCGTTAAGGCGACCTGGGCGAAAAGAGAGAGAGA	-22.5	Novel-mir-59-5 p	-	CCTGGAGAAGTGGAGAGAGG	-
Novel-mir-60	TGGTTCTAATAAGACGAAGTTTGGCCTGGTGAATGTCGGCTCGCTGAAGAACAACCTTTATTTTGGGGACT	-23.5	Novel-mir-60-5 p	Novel-mir-60-3 p	CGAAGTTTGGCCTGGTGAAT	TCGCTGAAGAACAACCTTTATT
Novel-mir-61-1	AGTGAGAAGGGGGTCCGACAGACGCTCAAGGGGACAGAGTCCAGCTGTTGAGAAGTAGCTAGTGGCTGAGCTGATA	-18.8	Novel-mir-61-5 p	Novel-mir-61-3 p	CGCAGAGACGTCAAGGGGGA	GCTGTTGAGAAGTAGCTAGTGGC
Novel-mir-61-2	GAGAAGGGGGTCCGACAGACGCTCAAGGGGACAGAGTCCAGCTGTTGAGAAGTAGCTAGTGGCTGAGCTGAAA	-18.5	Novel-mir-61-5 p	Novel-mir-61-3 p	CGCAGAGACGTCAAGGGGGA	GCTGTTGAGAAGTAGCTAGTGGC
Novel-mir-62	AGGTGGGATACGGGACCGGGACGCTGTCTGAGAGTCTCTATGAATCTCACAGTGAACCGGTCTCTTTTTCAGCCCTCACTCCTC	-37.5	Novel-mir-62-5 p	-	CGGGACCGGGACGCTGTCTGA	-

Novel-mir-63	CACCCTGCGGCGGTAATACTCTGCAGAGATGGCAGTAGAGTCTGGTGATCTTCTCCGAGTCTTTAACTCTGCAGGCTTTTGC GGTCCATAGCAGTA	-33.8	Novel-mir-63-5 p	-	CGGTAATACTCTGCAGAGATG GC	-
Novel-mir-64-1	CACCCTGCAGCGGTAATGCTCTGCAGAGAGGGCAGTGGAGTCTGGTGATCTTCTCAACAGTTTTACCCTCTCTGCAGGCACTT GCGGTCCATAGCAGT	-38.9	Novel-mir-64-5 p	-	CGGTAATGCTCTGCAGAGAG GGC	-
Novel-mir-64-2	CACCCTGCAGCGGTAATGCTCTGCAGAGAGGGCAGTGGGGTCTGGCGATCTCTCCGAGTCTTTACCCTCTCTGCAGGTGC	-37.1	Novel-mir-64-5 p	-	CGGTAATGCTCTGCAGAGAG GGC	-
Novel-mir-65	ACCAACTGCGCTAACCGGGCTACGAAAGTGCAGCAAAGATTCCAGGCAGTGGACACGCTGCATGGTCTACCAACTTTAGCATTGA ACAT	-29.2	Novel-mir-65-5 p	-	CTAACCGGGCTACGAAAGTGC AGC	-
Novel-mir-66	ACAAAGCAGCCCTAGTCTCATCCCAGACGGCTTGACAGCGAGTGTGGGCTTAGACAGAGGGGACAGCAATAT	-23.6	Novel-mir-66-5 p	Novel-mir-66-3 p	CTAGTCTCATCCCAGACGGCT	TGATGTGGGCTTAGACAGAGGGG
Novel-mir-67	TAGGTGCAGCCTCAGGAAAATAAAAGGGGAAAACATTTGGTCTTTAACTGGTGGTAAATGTCCTGGGCTTGTGGGGCTGAGGT AGG	-20.8	Novel-mir-67-5 p	Novel-mir-67-3 p	CTCAGGAAAATAAAAGGGGAA AAC	TAAATGTCCTGGGCTTCTGTGGG G
Novel-mir-68	TGTTTCATTCTCCAATTCTTTTTCTACTGTCTTTGTATGCCCTGCCACCCAGAGACACAGGATCCAAGAGGGAAGGTGGT GTTCCAACT	-20	Novel-mir-68-5 p	-	CTCCAATTCTTTTTCTACTG	-
Novel-mir-69	ACAGGCAGGGCTCCACTGGGTGATGGTCCAGTAGTTCAATCAATGGTGGGTTGTGTTGACCAGCCAGGAGTGGCCAGAACC AG	-27.8	Novel-mir-69-5 p	Novel-mir-69-3 p	CTCCACTGGGTGATGGTGCCA GTAGT	TGTGTTGGACCAGCCAGGAGTGG C
Novel-mir-70	TGATTGTTCCCTCCTTTCTTTGCTTGCCTTTTGGCTTCGTGTGTTGTCTGTGCATAGTAGGCCAGTACAGCAAGGAGGGTGTAGTG G	-29.2	Novel-mir-70-5 p	-	CTCCTTCTTTGCTTGCCTTTT	-
Novel-mir-71	CTCGTAGTCTCTTAGGGCTGTAGCCTGTGCTGCTTGTGTGGGCGTGCCTGCATGTGTGTTGTGTA	-19.3	Novel-mir-71-5 p	-	CTCTTAGGGCTGTAGCCTGTGC	-
Novel-mir-72	CAGTGACCTGCTGAAGATAAGTGTGAAGATGGGGCCAGCTGATCAGCATACTTTCCAGACAGGAGGTGCTGC	-24.3	Novel-mir-72-5 p	-	CTGAAGATAAGTGTGAAGATGG GG	-
Novel-mir-73	TGATTCCTACTGGACATAATCCTGGACTGCACCAACATAGAAGGTGCGGGGTTTATGGAGAGTGGTGAAGAT	-21.7	Novel-mir-73-5 p	-	CTGGACATAATCCTGGACTGCA CC	-
Novel-mir-74	AAAAAATCAGCTGACTAGATTTTTAGGTTGAAGCCTCTTGGATGAGAGGTGAAACGCTTCTCGACCTAGAAAATCTAGTCCAGTTGATG TTTTT	-52.7	Novel-mir-74-5 p	-	CTGGACTAGATTTTTAGGTTGA AG	-
Novel-mir-75	ACAGTGTCTACTGTAATGCACTGTATGCTGGAGTTGGTCAATTGGGGCTTGCCCGCTCCAGAGGGTCCAGAATGCTGCCGCTCGG TTATTGG	-26.5	Novel-mir-75-5 p	-	CTGTAATGCACTGTATGCTGGA GT	-
Novel-mir-76-1	ACTGTCTGCTGAAGTCTGACTTGTCTGTTGGTGTGCTGAGCCAAACCAGACAGTATAGAGGTGCAGAGAACAGACTCG	-32.1	Novel-mir-76-5 p	Novel-mir-76-3 p	CTGTACTTGTCTGTTTGGT	CAGACAGTATAGAGGTGCAGAG
Novel-mir-76-2	GTCCACTGAAATCTGACTTGTCTGTTTGGTGTGAGCCAAACCAGACAGTATAGAGGTGCAGAGAACAGACTCA	-30.9	Novel-mir-76-5 p	Novel-mir-76-3 p	CTGTACTTGTCTGTTTGGT	CAGACAGTATAGAGGTGCAGAG
Novel-mir-76-3	GTCCACTGAAGTCTGACTTGTCTGTTTGGTGTGAGCCAAACCAGACAGTATAGAGGTGCAGAGAACAGACTCG	-29.8	Novel-mir-76-5 p	Novel-mir-76-3 p	CTGTACTTGTCTGTTTGGT	CAGACAGTATAGAGGTGCAGAG
Novel-mir-77	GCGGGACCCTGTCAAATTAATCTGAAGAGAAGTGGTATCTTTATTGTGTGTATAAAGTTGAGTCAAGGTTGGGCTTTTT GAGCAGTGGTCTAA	-22.3	Novel-mir-77-5 p	Novel-mir-77-3 p	CTGTCAAATTAATCTGAAGAG	TGAGTCAAGGTTGGGCTTTTTGA GC
Novel-mir-78	GACTGAGCTGTGTCGGCATACAATGGGGAACTCTCGTATCCTGTGCTGTGAAAGGCTGACTTGCCTTTGTAGTG	-25.3	Novel-mir-78-5 p	-	CTGTCGGCATACAATGGGGG AAC	-
Novel-mir-79	CTGCTTCAGGCTGTGCATGTTTGAATGCGTGTGCTTGTGTACGCTGTATTTTGTGCACGCTCTGTTTATACAAGTGCATATCTG TTAGTTGA	-27.9	Novel-mir-79-5 p	-	CTGTGTGCATGTTTGAATGCG TG	-
Novel-mir-80-1	CGAGTAGCAGCTGTTAATCATGGCCTGCACGCACATTACCTTTTACCTTATGCAGGAGTGTGGCTTGTGCTGTAGTTAGCAGCAAT GACATT	-28.6	Novel-mir-80-5 p	-	CTGTTAATCATGGCCTGCACGC A	-
Novel-mir-80-2	CGAGTAGCAGCTGTTAATCATGGCCTGCACGCACATTACCTTTTACCTTATGCAGGAGTGTGGCTTGTGCTGTAGTTAGCAGCAAT GACCTTGT	-27.7 2	Novel-mir-80-5 p	-	CTGTTAATCATGGCCTGCACGC A	-
Novel-mir-80-3	GGAGTAGCAGCTGTTAATCATGGCCTGCACGCACATTACCTCGTACTTTATGCAGGAGTGTGGCTTGTGCTGTAGTTAGCAGCAAT GATGTTATGGG	-32.1	Novel-mir-80-5 p	-	CTGTTAATCATGGCCTGCACGC A	-
Novel-mir-81	GCCGTATAGCCTTGGATTGTAGCGCCCCAGCGGCTTATGTCTCTACTGCGGGCTGTTACTGGTCTTTCTACAACGAC	-22.3	Novel-mir-81-5 p	-	CTTGGATTGTAGCGCCCCAG G	-
Novel-mir-82	AAGCAGTAGCCTTTGAGTCTGCTGGAGAGGAGCTATGTGCTGCCAAAAGGAATTAAGGGCTGTAGGCCA	-18.6	Novel-mir-82-5 p	-	CTTTGAGTCTGCTGGAGAGGA GC	-
Novel-mir-83	ACATCTGAGACTTTATTGGGCTTTCGGACAGCGGAGGGAGGAGGACTGTCTTACCCCTCATAGGACAAAAGGAAACGAGGGGAA AAGATCAGAGTGG	-24.3	Novel-mir-83-5 p	Novel-mir-83-3 p	CTTTTATTGGGCTTTCGGACAG CG	TAGGACAAAAGGAAACGAGGGGAA AAGAT
Novel-mir-84-1	ACAAGACAAGAAGATGATAGTGGACATGAGGAAGGAGAGGAGATCTCATCAGCCACTGTTTCATCTGGGAGCTCGAAA	-22.9	Novel-mir-84-5 p	-	GAAGATGATAGTGGACATGAG G	-
Novel-mir-84-2	ACAAGACAAGAAGATGATAGTGGACATGAGGAAGGAGAGGAGATCTCATCAGCCGCTGTTTCATCCGGGGCTCGA	-18.2	Novel-mir-84-5 p	-	GAAGATGATAGTGGACATGAG G	-

Novel-mir-84-3	ACAAGACGACGAAGATGATAGTGGACATGAGGAAGGACAGGAGATCTCATCAGCCACTGTTTCATCCGGGGGCTCGA	-19.4	Novel-mir-84-5 p	-	GAAGATGATAGTGGACATGAG G	-
Novel-mir-85	TGTGTTTCATTGAATAATCAGCACTGTTATGAAGTACTTGGACTGCCTCGTCTCTCAGAGTTAGTGTAGCAGAGTTGAATCCATTTGCCAT	-19	Novel-mir-85-5 p	-	GAATAAATCAGCACTGTTATGAG	-
Novel-mir-86	GTGCCACCTGACGACCCGTGAGACTTGCCTTCACTCGTATACCCACACAGAACATGTGTTGGTGAATGTAGTTACTGACTCACTGGGTGTTA	-21.2	Novel-mir-86-5 p	-	GACGACCCTGTAGACTTGCCTT	-
Novel-mir-87	TCGGGAGGAAGGATTGCTTAAAGCAATTTTCAGACGATTGATTCTCTGGATTGGATAACTCATATCAGGAATTGTGGGTGTTGGCCCTCTGTAG	-26.1	Novel-mir-87-5 p	Novel-mir-87-3 p	GACGATTGATTCTCTGGGATT GA	TATCAGGAATTGTGGGTGTTGG
Novel-mir-88-1	AAATATCAGAGACTGATTTAATGGTACTGTGGACAGCTGAATAATTGCCCTGCCATTGTGTGCAGGCTGAGCTCT	-20.8	Novel-mir-88-5 p	-	GACTGATTTAATGGTACTGTG GA	-
Novel-mir-88-2	AAATATCAGAGACTGATTTAATGGTACTGTGGACAGCTGAATGATTGCCCTGCCATTGTGTGCAGGTTGTTTTTT	-20.9	Novel-mir-88-5 p	-	GACTGATTTAATGGTACTGTG GA	-
Novel-mir-89	TGTGCTCCTGGACTTGGTCAAAGCTCCTCAGCAGATTAAGTGACTCTGAGGCGTTTAGAACAAGTTCAGGGTCTCGGA	-31.7	Novel-mir-89-5 p	Novel-mir-89-3 p	GACTTGGTCAAAGCTCCTCAG	TGAGGCGTTTAGAACAAGTTCA
Novel-mir-90	AGACTGAAAAGAGACTGAGAACCTTCCAGGGCCGGGCACGGAGACTACGGCAAAGTTTCGCGGGCGGAGC	-20.3	Novel-mir-90-5 p	-	GAGACTGAGAACCTTCCAGGGCCGGC	-
Novel-mir-91	CTTCAGAAAGGAGTACTTTATCGTCAGCATGGAGCAATTAAGCAGCTAGTTGTTCCCTCAGTCTGTTCCGGATGTTGTGCTTACTTTGGGTCACCT	-27.1	Novel-mir-91-5 p	-	GAGTACTTTATCGTCAGCATGG AG	-
Novel-mir-92	AAATGCTCAGATGTTGAGTATCAAACGTATGTTATATATGTCATGTATATAGTTTGATACACAGCACAACAAGCCGTTTT	-30.1 4	Novel-mir-92-5 p	Novel-mir-92-3 p	GATGTTGAGTATCAAACGTAT	TAGTTTGATACACAGCACAAC
Novel-mir-93-1	TGATAGGGCCCGAGAAATGACTGGACCCTGGAGGAGCCGCCGGGGTCGGAGGAGAGGTTTTGGCACTACGTAT	-19.7	Novel-mir-93-5 p	Novel-mir-93-3 p	GCAGAAATGACTGGACCACTG GAG	CCCGGGTCCGAGGAGAGGTTT TGG
Novel-mir-93-2	TGATAGGGCCCGAGAAATGACTGGACCCTGGAGGAGCCGCCGGGGTCGGAGGAGAGGTTTTGGCACTGCGTAT	-19.5	Novel-mir-93-5 p	Novel-mir-93-3 p	GCAGAAATGACTGGACCACTG GAG	CCCGGGTCCGAGGAGAGGTTT TGG
Novel-mir-93-3	TGATCGGGCCCGAGAAATGACTGGACCCTGGAGGAGCCGCCGGGGTCGGAGGAGAGGTTTTGGCACTGCGTAT	-19.9	Novel-mir-93-5 p	Novel-mir-93-3 p	GCAGAAATGACTGGACCACTG GAG	CCCGGGTCCGAGGAGAGGTTT TGG
Novel-mir-93-4	TGATCGGGCCCGAGAAATGACTGGACCCTGGAGGAGTCGCCAGGGTCGGAGGAAAGGTTTTGGCACTGCGTATAGAGCAG	-21.9	Novel-mir-93-5 p	-	GCAGAAATGACTGGACCACTG GAG	-
Novel-mir-93-5	TGATCGGGCCCGAGAAATGACTGGACCCTGGAGGAGCCGCCGGGGTCGGAGGAGAGGTTTTGGCACTGCGTATAGAGCAG	-22	Novel-mir-93-5 p	Novel-mir-93-3 p	GCAGAAATGACTGGACCACTG GAG	CCCGGGTCCGAGGAGAGGTTT TGG
Novel-mir-93-6	TGATCGGGCCCGAGAAATGACTGGACCCTGGAGGAGCCGCCGGGGTCAGAGGAGAGGTTTTGGCACTGCGTATAGAGCAG	-23.1	Novel-mir-93-5 p	-	GCAGAAATGACTGGACCACTG GAG	-
Novel-mir-94	CCTATTTATCGCATACCAGGGATCATGGACCCTGTCGTATGTCAAAATCTTGAAGAGGTCATGTTGCCTTATGCTGAAGAGGA	-24.7	Novel-mir-94-5 p	-	GCATACCAGGGATCATGGAC	-
Novel-mir-95	CTCAGTCAGAGCATTGAAGATGGTCTGTGCTTCCAAACATGACAACAACCCGAAGCACACAGCCAGAATAATCAAGGAGTGGCTCTGTAAGAA	-31.5	Novel-mir-95-5 p	-	GCATTGAAGATGGTCTGTGGC TGT	-
Novel-mir-96	CATAAACTCGCATTTAGTAGGCGAGTTCCTGATGATTTAGTGCATCTGCCTCTAAATGCCCTGTAGTTTTTTT	-20.9	Novel-mir-96-5 p	-	GCATTTAGTAGGCGAGTTCCTG A	-
Novel-mir-97	GAGCCAGAAAGCCTAGTGGATCAAACACTGTAGTACTGAGGATTCCTGCCGTGTTGCTGGTTTTCTTCCAGGGTGA	-18.8	Novel-mir-97-5 p	-	GCCTAGTGGATCAAACACTGTA GC	-
Novel-mir-98	ACTGGGTCATGCCTTTACTGTGGTCTCCTGACCATCTCATAGCCGCTGCCTGTTGTCGGCCAAAAGAGCGGGCCCGCCAGTGAA GGTGGGGACACTGAC	-39.2	Novel-mir-98-5 p	-	GCCTTTACTGTGGTCTCCTGA CC	-
Novel-mir-99	AAATTAGCCAGCTATCGGAATTGCAGAAAGCGTGATGAAGAAGGGGTACCTAAGAAGACAAGATGGCCCACTGTATTTGGCCTGCTGCCTGCTCG	-23.9	Novel-mir-99-5 p	-	GCTATCGGAATTGCAGAAAGG CGT	-
Novel-mir-100	GTGGTCAAGGCTGAGTGTCTATCCTTTCTGGGCTACCATCACACCACCTGGTGCCAACTTCAGAGCAGAGAGCATCACTAATG TCTAGCGATGCA	-30.6	Novel-mir-100-5p	-	GCTGAGTGTCTATCCTTTCTG	-
Novel-mir-101	CCCCTTGGAAGCTGGTTTCAGATGGTGGCATAGAGTATCGTACCTGTCTAGCACCATTTGAAATCAGTGTCTTGGGGC	-37.8	Novel-mir-101-5p	-	GCTGGTTTCAGATGGTGGCATA GA	-
Novel-mir-102	ACAAGACGAAGGAGATGATAGTGGACATGAGGACAAAGAGGAGATCTCATCGGCCACTGTTTCATCCGGGGGCTAGA	-20.9	Novel-mir-102-5p	-	GGAGATGATAGTGGACATGAG GAC	-
Novel-mir-103-1	GCGCCTGCTCGGCACCGCTGCTGACTGAACCCATCCACTGCCGCTGTTTAGCACGGCGTTTGAACAGGCAAGTGTG	-27.9	Novel-mir-103-5p	Novel-mir-103-3p	GGCACCCTGCTGACTGAAC	TCTGTTTAGCACGGCGTTTGAAC A
Novel-mir-103-2	GCGCCTGCTCGGCACCGCTGCTGACTGAACCCATCCACTGCCGCTGTTTAGCACGGCGTTTGAACAGGCAATTGCG	-27.9	Novel-mir-103-5p	Novel-mir-103-3p	GGCACCCTGCTGACTGAAC	TCTGTTTAGCACGGCGTTTGAAC A
Novel-mir-104	CCTCCCTGTTGGGCATCTTATTCTGCGCCAGAGCTCTCGAATGTCATCGGGTCTGGGTAGTGTGGTCCCGGGTGGG	-33.3	Novel-mir-104-5p	-	GGGCATCTTATTCTGCGCCAGA GG	-

Novel-mir-105	TGTTAGGGTCGACAGGTCATGTTGCTGCTGCTGCAGTGCCTGAGCCAGTTGAGCGTTTGACAGTGAAC	-22	Novel-mir-105-5p	Novel-mir-105-3p	GGGTCGACAGGTCATGTTGCT	TGCCTGAGCCAGTTGAGCGTTTG
Novel-mir-106	GTGAGAAGGGGGTCGACAGACGCTCAAGGGGGACAGAGTCCAGCTGTTGAGAAGTAGCTAGTGGCTGAGCTGATA	-18.5	Novel-mir-106-5p	Novel-mir-61-3p	GGGTCGACAGACGCTCAAGGGGGAC	GCTGTTGAGAAGTAGCTAGTGGC
Novel-mir-107	TTATTCATTAGGCTTTATTCTGATTGGCTGGGATGAAGGGGAGCCAGCAATCAGAGCAGGTCTCATGAATAAT	-37.9	Novel-mir-107-5p	-	GGTCTTATTCTGATTGGCTGG	-
Novel-mir-108	ACTGGTGCCAGAGATCTCGGGCTGGTGTGCGGGTCCCCGATGAGACAGCGCTGGCAGCCGGCGGTGCGAG	-27.3	Novel-mir-108-5p	Novel-mir-108-3p	GGTGCCAGAGATCTCGGGCTG	CGATGAGACAGCGCTGGCAGCCGG
Novel-mir-108	CTGGTGCCAGAGATCTCGGGCTGGTGTGCGGGTCCCCGATGAGACAGCGCTGGCAGCCGGCGGTGCGAA	-26.8	Novel-mir-108-5p	Novel-mir-108-3p	GGTGCCAGAGATCTCGGGCTG	CGATGAGACAGCGCTGGCAGCCGG
Novel-mir-109	GAGGTCTCAAAGCGGGGTAGAAGGTGTTAGAGTCAATCCGGTAGGCTGTCTGTGGGGCTGATGATGCTGGTGGTGGCTCT	-22	Novel-mir-109-5p	Novel-mir-51-3p	GGGTAGAAGGTGTTGAGGTCATC	TGTCTGTGGGGCTGATGATGCTG
Novel-mir-110	CGTTCATCAAGTACTGACTACTTTTTCGGGTGGCGTCACTACTGACTAAGGCATTGAGCGCCCGCTGGCAAGACTGAGCACACC	-24.2	Novel-mir-110-5p	-	GACTGACTACTTTTTCGGGCTG	-
Novel-mir-111-1	CAGTGATGCAGTACTTAAGGTGAGCGTTGGTGTCTCATCGCCAGATGATCTTTGACGCTCTGCTATCATCA	-24.2	Novel-mir-111-5p	-	GACTTAAGGTGAGCGTTGGT	-
Novel-mir-111-2	TTTTGATGCAGTACTTAAGGTGAGCGTTGGTGTCTCATCGCCAGATGATCTTTGACGCTCTGCTATCATCA	-23.2	Novel-mir-111-5p	-	GACTTAAGGTGAGCGTTGGT	-
Novel-mir-112	TTGACAGGCAGTAGTAAGTTCCTGTGGAGCACGCACAGTGTAAAAGCCCTTCTCTGGTTGCAC	-21.4	Novel-mir-112-5p	-	GTAGTAAGTTCCTGTGGAGCAC	-
Novel-mir-113	GGCGACAGGTCGTAGTCGTTCACTCAGTCCACTGATGGAGGATTTTTGGGGACTGGAATGATGGTGGAGCATTTCAA	-22.4	Novel-mir-113-5p	Novel-mir-113-3p	GTAGTCGTTCACTCAGTCCACTGATG	TTTGGGGACTGGAATGATGGTGG
Novel-mir-114	AGCAGACCACTGCAGTGATACCCACAGCTATGACAGTCTCTGTGTTATAGAAACTGGCAATCATGCCACCATGTA	-18.2	Novel-mir-114-5p	Novel-mir-114-3p	GTGATACCCACAGTATGACAGT	TGTTATAGAAACTGGCAATCATGC
Novel-mir-115	CGACAATGGTGAGCATGACAGTGTGCCCTGGGAGGGAGGAAGCCGGTGACAAGTCTAGGGCAATATGAGACCAGGGTC	-26.1 2	Novel-mir-115-5p	Novel-mir-115-3p	GTGTTGCCCTGGGAGGGAGGA	TGACAAGTCTAGGGCAATATGA
Novel-mir-116	CTGCTCTGTTGTTTTTTAGGTTTTGATTTTTGTAGCATTGGATGAGAAAATCAAAGCCTAAAGAAAATACAGCGCTG	-29.8	Novel-mir-116-5p	-	GTTTTTTTAGGTTTTGATTTTT	-
Novel-mir-117	CCAGGTTGCTAAAACATCTGCAGAGCAGTGGCTATGTTTCACTGGTGTGGGATTGAGGAAATATGCAACTCCAGGCAGCGTGTTGTTAGTTCAA	-28.6	Novel-mir-117-5p	Novel-mir-117-3p	TAAAACATCTGCAGAGCAGTGGCTA	TGCAACTCCAGGCAGCGTGTG
Novel-mir-118	ATAAACTAGCTAAAGGTTAATACATACTGACATATAAATGCATACAGTAGTGGTGTGAACTCATATGTTGTTGAATGATTTTTGCTA	-18.3	Novel-mir-118-5p	-	TAAAGGTTAATACATACTGACATA	-
Novel-mir-119	TGTTGAGCGATAACTCAGTAAAGCTAGGTCGGGGTCATCTTTTTCAGGATCCACTTTGCTGCTTTATGGCTCGTTC	-22.5	Novel-mir-119-5p	-	TAACTCAGTAAAGCTAGGTCGGGG	-
Novel-mir-120	TGCTTTTACATAACTGTTGAACTTTTCTGGCCAGTTGACGTCAGTGGCTGTGCTAAAGTGTCTATATTTATGTTTTTCTATGAGAGCC	-20.7	Novel-mir-120-5p	-	TAACTGTTGAACTTTTCTGGCC	-
Novel-mir-121	CGCACATACATAAGACGGAGCAGTGTGGCAGGAGGAAAGTTAATGTGTGTGTGTGTATTGTAGTGCCTATGATAGTGTGT	-21.7	Novel-mir-121-5p	-	TAAGACGGAGCAGTGTGGGCACTGA	-
Novel-mir-122-1	CCCCTGGCCAATAAGAGAGGGTAAACCTGAACCGATCAAATAACAAGGCCACTTCGCTGTCTCGGGTTGAGTCTTTTGGTGGACTGGAGGT	-26.2	Novel-mir-122-5p	-	TAAGAGAGGGTAAACCTGAACCGA	-
Novel-mir-122-2	CCCTGGCCGATAAGAGAGGGTAAACCTGAACCGATCAAATAACAAGGCCACTTCGCTGTCTCGGGTTGAGTCTTTTGGTGGACTGGAGGT	-27.2	Novel-mir-122-5p	-	TAAGAGAGGGTAAACCTGAACCGA	-
Novel-mir-123	CTGGCCAGATAAGATAGTTGAGCTTTGGCGACACCACTACTGTGATCTATTAATTTGTGTCCTAGTAAACTTTCTCTATAGGTATAGGGTTGA	-22.4	Novel-mir-123-5p	-	TAAAGATAGTTGAGCTTTGGCGCACTA	-
Novel-mir-123	CTGGCCTGGATAAGATAGTTGAGCTTTGGCGACACCGCTACTGTGATCTATTAATTTGTGTCCTAGTAAACTTTCTCTATAGGTAGGG	-24.6	Novel-mir-123-5p	-	TAAAGATAGTTGAGCTTTGGCGCACTA	-
Novel-mir-124	GGGATCTGGGTAAGCAAGAACAGGGGCCCGACCACTGCTTCTTAAAGTGTGGAGGGCAGCGCTGCAGGCCCTGCTCCCA	-35.8	Novel-mir-124-5p	-	TAAGCAAGAACAGGGGCCCGCAC	-
Novel-mir-125	CACCTCAGTTTAAAGTCTCACACCAGTGCAAAACAAAAATCGTGACGCTGCTCAGGTGTGGACCTAACTGTGGGGGA	-26.7	Novel-mir-125-5p	Novel-mir-125-3p	TAAGTCTCACACCAGTGCAA	CTGCTCAGGTGTGGACCTAA
Novel-mir-126	CACCTCAGTTTAAAGTCTCACACCAGTGCAAAACAAAAATCGTGACGCTGCTCAGGTGTGGACCTAACTGTGGGG	-26.7	Novel-mir-126-5p	-	TAAGTCTCACACCAGTGCAAAA	-
Novel-mir-127-1	TGACACCATGTAATATACTGCACACAGAGACGGCGGTGTTTCTGCTGTGATGTCTTTATTTTACGCCGTTTCTGGTGGTTCTTA	-24.4 9	Novel-mir-127-5p	-	TAATATACTGCACACAGAGACGG	-
Novel-mir-127-2	TGACACCATGTAATATACTGCACACAGAGACGGCGGTGTTTCTGCTGTGATGTCTTTATTTTACGCCGTTTCTGGTGGTTCTTA	-24.3 7	Novel-mir-127-5p	-	TAATATACTGCACACAGAGACGG	-

Novel-mir-127-3	TGACACCATGTAATATACTGCACACAGAGACGGCGGTGTTTCTCTGTCTGATGTCTTTATTTTCGCGCCGTTTCTTGGTGGTTCTTA	-24.3 7	Novel-mir-127-5p	-	TAATATACTGCACACAGAGACGG	-
Novel-mir-127-4	TTGGTGGCTGTAATATACTGCACACAGAGACGGCGGTGTTTCTCTGTCTGATGTCTTTATTTTCGCGCCGTTTCTTGGTGGTTCTTA	-26.5 7	Novel-mir-127-5p	-	TAATATACTGCACACAGAGACGG	-
Novel-mir-127-5	TTTGATCTGTAATATACTGCACACAGAGACGGCGGTGTTTCTCTGTCTGATGTCTTTATTTTCGCGCCGTTTCTTGGTGGTTCTTA	-24.1 7	Novel-mir-127-5p	-	TAATATACTGCACACAGAGACGG	-
Novel-mir-136	GAGACTACGGTAATCAATACATGGACGGAGGCCAAGCAAACCTGACAATAATCTACAGGCACCTGGCGTTTATGTGAGCTTGCCCT	-25.1	Novel-mir-136-3p	-	TAATCAATACATGGACGGAGGC	-
Novel-mir-128-1	AGGATTGGGGTAATGTGAGCATGTCGACGGGTGTCAGTGAGCAGCCGGGACGGCATTGACACCAGCTGCAAC	-23.8	Novel-mir-128-5p	Novel-mir-128-3p	TAATGTGAGCATGTCGACGGG	GCAGCCGGGACGGCATTG CAC
Novel-mir-128-2	AGGATTGGGGTAATGTGAGCATGTCGACGGGTGTCAGTGAGCAGCCGGGACGGCATTGACACCAGCTGCAAC	-23.8	Novel-mir-128-5p	Novel-mir-128-3p	TAATGTGAGCATGTCGACGGG	GCAGCCGGGACGGCATTG CAC
Novel-mir-129	GTCATGAATTTACACAGTCTAGTCAAGGAATGGATTTTTTAACTCTCTGTCTGAGTTTCTGATTCAACTTAAAGCTGTGGGCT	-22.3	Novel-mir-129-5p	-	TACACAGTCTAGTCAAGGAATGG	-
Novel-mir-130	AAAGCTCAAATACAGATGAGTGGAAAGTGAAGGTGCTGCTTCTTATCCCTCCACTATTCTAGTTTAAAGGGCACA	-23.4	Novel-mir-130-5p	-	TACAGATGAGTGGAAAGTGAAGGGT	-
Novel-mir-131	CCTCTGTCCATACCTTTACTACCCTGACCTGAGGTGACACTTTTTTCCACCCTGGAGTATACACAGGTAGTAGGTAACAAGTTGT	-28.7 1	Novel-mir-131-5p	-	TACCTTTACTACCCTGACCTGAGG	-
Novel-mir-132-1	CCTCTGTCCATACCTTTACTACCCTGACCTGTGGTGACACCTTTTTTACCACCCTGGAGTATACACAGGAAGCAGGTGGACAAGTTGT	-37.9	Novel-mir-132-5p	-	TACCTTTACTACCCTGACCTGTGG	-
Novel-mir-132-2	CCTCTGTCCATACCTTTACTACCCTGACCTGTGGTGACACCTTTTTTACCACCCTGGAGTATACACAGGAAGCAGGTGGACAAGTTGT	-39	Novel-mir-132-5p	-	TACCTTTACTACCCTGACCTGTGG	-
Novel-mir-132-3	CCTCTGTCCATACCTTTACTACCCTGACCTGTGGTGACACCTTTTTTACCACCCTGGAGTATACACAGGAATCAGGTGGACAAGTTGT	-33.5	Novel-mir-132-5p	-	TACCTTTACTACCCTGACCTGTGG	-
Novel-mir-132-4	CCTCTGTCCATACCTTTACTACCCTGACCTGTGGTGGCACCCTTTTTTACCACCCTGGAGTATACACAGGAAGTAGGTGGACAAGTTGT	-38	Novel-mir-132-5p	-	TACCTTTACTACCCTGACCTGTGG	-
Novel-mir-132-5	CCTCTGTCCATACCTTTACTACCCTGACCTGTGGTGACACCTTTTTTACCACCCTGGAGTATACACAGGAATCAGGTGGACAAGTTGT	-37.6	Novel-mir-132-5p	-	TACCTTTACTACCCTGACCTGTGG	-
Novel-mir-133	GTGCCGTGAATACGAAACACATGCTGAACCAGGAGCTGGTGGTTTCTAGAGCAGTGGGAGTTGTGGAAGGGCAAGA	-23.4	Novel-mir-133-5p	Novel-mir-133-3p	TACGAAACACATGCTGAACCAGGAGC	TTCTAGAGCAGTGGGAGTTGTG
Novel-mir-134	CTGGACTCTCTACTACTCTGGAGTTGCCACGGTGACGACGGTTTGTCTATATATGGCAACTTAAATAGTGCAACAATTA	-21.3	Novel-mir-134-5p	-	TACTACTCTGGAGTTGCCACGGT	-
Novel-mir-135	TGAACGAACCTACTCGTGAACCTGGAGTCTCTCTTGTGGGAGAGGGTGACCCATGAAAGGGACTATTTTC	-23.1	Novel-mir-135-5p	-	TACTCGTGAACCTGGAGTCTCT	-
Novel-mir-136	ATGTGGGTGATACTGCATCAGGAACCTGATTGGCTGATGCTCAGTAGCCAACAGTACCTGATGCATTACCATCAGCATC	-37.5	Novel-mir-136-5p	-	TACTGCATCAGGAACCTGATTGG	-
Novel-mir-137	AAGGCGCGGCTACTGGGCATGCAGGATAGTTGTCATCAGGAAGGCCACATAGTCCCTGTACCATTAAGTACTGTCATATCTGCTC	-25.7	Novel-mir-137-5p	Novel-mir-137-3p	TACTGGGCATGCAGGATAGTTG	TAAGTACTGTCATATCTGCTC
Novel-mir-138-1	ACATTCAATATACTGTATAAATCAAGCTGCACTAACTTAAATGAACATCTCTGGTTAAGTCTGAGCAGTGATACATTAAGTTGGGTT	-19.4	Novel-mir-138-5p	-	TACTGTATAAATCAAGCTGCAC	-
Novel-mir-138-2	ACATTCAATATACTGTATAAATCAAGCTGCACTAACTTGAATAACATCTCAGGTTAAGTTGAGCAGTAATACATTAAGTTGGTTTA	-24.4	Novel-mir-138-5p	-	TACTGTATAAATCAAGCTGCAC	-
Novel-mir-152	TGGGCTCCTATACTGTGGAATGCTGCCATGGGAGATTAGATCTGCTCCGAACCAAGCTGTTTTAGATCACTGCTCAA	-21.9 2	Novel-mir-152-3p	-	TACTGTGGAATGCTGCCATGG	-
Novel-mir-139	TACGGGGAGTTACTGTGTGAGAGGAAGCGGTGATTTCTGTTTAAAGCTGTAAGCGTGACATTACCTTTCCCTTGAAGGCCAG	-25.6	Novel-mir-139-5p	-	TACTGTGTGAGAGGAAGCGGTTGA	-
Novel-mir-140	TCTGCTCCTGACTTGGTCAAAGCTCCTCAGTGTGGATAGATGCCTGAGAGGTTCTGAACAAGTATAGGATCTCTG	-30.5	Novel-mir-140-5p	Novel-mir-140-3p	TACTTGGTCAAAGCTCCTCAG	TGAGAGTTCTGAACAAGTAT
Novel-mir-141	CCTTAGCCTCTACTTTAGTAGGCAAACCTCTTCAAGTAAGGCCACATAGTGGTCTCCTGCTGTAGAATATCTC	-21.1	Novel-mir-141-5p	-	TACTTTAGGTAGGCAAACCTCT	-
Novel-mir-142	TCTCCCAATCTACTTTCTTAGGATATCTGCCCTAACCATTTTTTTTTCAGCTGCCTGGGCTTGGTTTGCAGAGATGTTGAGGAGG	-26	Novel-mir-142-5p	-	TACTTTCTTAGGATATCTGCCCT	-
Novel-mir-143-1	TCTGTGGGCTAGACTATGGAATGCCCTGCCGTTGTACTACGGTGGAAAGCGATCTAGTGGCCTTAAATCGGCCCTAAAGAC	-24.1	Novel-mir-143-5p	-	TAGACTATGGAATGCCCTGCCG	-
Novel-mir-143-2	TTTGTGGCCCTAGACTATGGAATGCCCTGCCGTTGAACTACGGTGGAAAGCGATCTAGTGGCCTTAAATCGGCCCTAAAG	-21.8	Novel-mir-143-5p	-	TAGACTATGGAATGCCCTGCCG	-

Novel-mir-144	TGCAATGAAATAGATAAAGCCTAAATTGGTCGGAGCACCAGTCAGTCAGGTCAGGTCCTTTGTTACCAGTCTGGGTCAGTCAGCC	-19.3	Novel-mir-144-5p	-	TAGATAAAGCCTAAATTGGTCGGA	-
Novel-mir-145	GCAGCCCCTGTAGATGAGCCTGAGGATTTGCATGAGCTGGTGCAAGCTGGAGCTCAATCTAGATGTTGAAGGTGCTGA	-26.2	Novel-mir-145-5p	-	TAGATGAGCCTGAGGATTTGCTGAT	-
Novel-mir-146	GTCTGATAGATAGCAAGATCTGGACAATTGGAGGAAGTTGAGAAAATACAGCTATTATGATCCAGTGTGGTTATTTTATCAGGT	-21.6	Novel-mir-146-5p	-	TAGCAAGATCTGGACAATTGGAGG	-
Novel-mir-147	TGTCAGGCTGTAGCAGCACATCATTACTGGTATTCCCTCTCTGCAATGCTGGTATGATATGTGCTGCTCTATCAGACAC	-28.2	Novel-mir-147-5p	-	TAGCAGCACATCATTACTGGTATG	-
Novel-mir-148	GCACCTCCAGTAGCTGTGGATCTGACCTGCACAACATTGAGGAGGAATTTCTTTCTTTAGTTTCAGCTCATACTTAGGATGTCTG	-19.6	Novel-mir-148-5p	-	TAGCTGTGGATCTGACCTGCTG	-
Novel-mir-149	AGAGATTCATAGGACTTTACTCTCTATGCTGGGAATGCTGAATCAAGAAAAGAAACGTCAGTGGAGCCAACATGTAGGATATTAGT	-21.9	Novel-mir-149-5p	-	TAGGACTTTACTCTCTATGCTG	-
Novel-mir-150-1	AGTGATCTGTTAGGATGATAAAGGCTCTACGGGGTCTTTAAGATACGATGGAGCCTTGTCATTAAGGGCTTTGTATG	-29.3	Novel-mir-150-5p	-	TAGGATGATAAAGGCTCTACGGG	-
Novel-mir-150-2	AGTGCTCTGTTAGGATGATAAAGGCTCTACGGGGTCTTTAAGATACGATGGAGCCTTGTCATTAAGGGCTTT	-33.2	Novel-mir-150-5p	-	TAGGATGATAAAGGCTCTACGGG	-
Novel-mir-151	AGTGCTCTGTTAGGATGATGAGGAGTATGAAGTCTTTAAGATACAATGGAGCCTTGTCATTTAGGGCTTT	-23.3	Novel-mir-151-5p	-	TAGGATGATGAGGAGTATGAAGT	-
Novel-mir-152	CATGGTTCAATAGGATGTTTGGTAAATGGAAGGGGGTATTGCTCTGTACTCATTACAGTGGCAATATGATAACTGCTTGATTAC	-21.8	Novel-mir-152-5p	Novel-mir-152-3p	TAGGATGTTGGTAAATGGAAGGG	TGATAACTGCTTGATTACATGTG
Novel-mir-153-1	AATGATACACTAGGCAATTGTTGGGCAACTCTGATTAGCAACAGTGCCTGAGAAATGCCTGGTATTGCT	-26.1	Novel-mir-153-5p	-	TAGGCAATTGTTGGGCAACTCTG	-
Novel-mir-153-2	AATGATACACTAGGCAATTGTTGGGCAACTCTGATTAGCAACAGTGCCTGAGAAATGCCTGGTATTGCTGCTTT	-26.1	Novel-mir-153-5p	Novel-mir-153-3p	TAGGCAATTGTTGGGCAACTCTG	TGCCGTGAGAAATGCCTGGTA
Novel-mir-154	GCAGGGGGGCTAGGCGTGTCACTGCGTGTACAGTCACTGCTTGCGCACGGGGCCACGCCCTGCCTACCTGTC	-36.5	Novel-mir-154-5p	-	TAGGCGTGTCACTGCGTGTCA	-
Novel-mir-155	GCAGGGGGGCTAGGCGTGTCACTGCGTGTACAGTCACTGCTTGCGCACGGGGCCACGCCCTGCCTACCTGTC	-36.5	Novel-mir-155-5p	Novel-mir-155-3p	TAGGCGTGTCACTGCGTGTCA	TGCGCACGGGGCCACGCCCTGC
Novel-mir-156	AGCTGTTTTTAGTACTATAGTTGTTAAACCTGAGGTTTATGAAGTCTCTAGTCTTTGAAGTTGGTGTAGTGTAGGAGTT	-19.8	Novel-mir-156-5p	Novel-mir-156-3p	TAGGTACTATAGTTGTTAAACCTG	TAGTCTTTGAAGTTGGTGTAGT
Novel-mir-157	AAGGGCCTCTAGGTTGGCTTGTCTGGCCCTGATCTACAGTAGTAACAGACAAATATTAGGATGGCTTAG	-18.2	Novel-mir-157-5p	Novel-mir-157-3p	TAGGTTGGCTTGTCTGGCCCTG	GTAGTAACAGACAAATATTAGG
Novel-mir-158	GACCCCAATAGGTTGTAACATGGCACATTAAGTGGCCATCTGAACAAGTGGCAAGTGAATACCTGCTTGTGTGAGGGA	-20	Novel-mir-158-5p	-	TAGGTTGTAACATGGCACATT	-
Novel-mir-159	TGGAAAAAGGTAGTACGTTCCGCTTCAGCACCAGGTGCAAGCTTGAATTTTACTGCCACACCCTGATGCTTGTGTTGTACCATG	-23.3	Novel-mir-159-5p	-	TAGTACGTTCCGCTTCAGCACC	-
Novel-mir-160-1	TACTCTGCGGTAGTAGATGCTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTCAGTCTTTACCACTCTCTGCAGGTGCGTGT	-39.6	Novel-mir-160-5p	-	TAGTAGATGCTCTGCAGAGAGG	-
Novel-mir-160-2	TACCCTGCGGTAGTAGATGCTCTGCAGAGAGGGCAGTGGCCTCTGGTATCTTCTCCGAGTCTTTACCACTCTCTGCAGGTGCT	-37.4	Novel-mir-160-5p	-	TAGTAGATGCTCTGCAGAGAGG	-
Novel-mir-161	CGGGTTGAGGTAGTGGTTGTATGGTTGAAATTACACCCTGGGAGTTAACTGTACAACCTTCTAGCTTTCTCTGGTA	-27.2	Novel-mir-161-5p	Novel-mir-161-3p	TAGTAGGTTGTATGGTTGAA	GTTAACTGTACAACCTTCTAGC
Novel-mir-162	GTTGCCGGGTAGTTAAGGAACCTCCGTTGGCAAGGCTCAGGGTGTGAATGAGGCCTGCCCGAGTTTCAAGTCTCTGGATGT	-33.3	Novel-mir-162-5p	-	TAGTTAAGGAACCTCCGTTGG	-
Novel-mir-163	AGATGCCCTGTAGTTACTCTGTACTTGTGGGGGAGCATGGAGATGCTAATGGCATGGCCATAGTATGTGCCAGGTGCAAC	-25.5	Novel-mir-163-5p	-	TAGTTACTCTGTACTTGTGGG	-
Novel-mir-164-1	TCTTTGACAGTAGTTACATTTCTATGCCTCTGCACAGGAAACAGCTGTGGCTGGAGAAAATAATTCTACATGGTGTCAACCT	-21.9	Novel-mir-164-5p	-	TAGTTTACATTTCTATGCCTCT	-
Novel-mir-164-2	TCTTTGACAGTAGTTACATTTCTATGCCTCTGCACAGGTGACAGCCTGGCTGGAAAAATAATTCTACATGGTGTCAACCT	-21.2	Novel-mir-164-5p	-	TAGTTTACATTTCTATGCCTCT	-
Novel-mir-165	TGCAAGATGTTAGTTTTATGATCAGTGGTATATTACGCGCTCAGCGGAGACAACAGACTGAGAAAAGTGACTTTTTGTGTC	-25.6	Novel-mir-165-5p	-	TAGTTTTATGATCAGTGGT	-
Novel-mir-166	ACATAGCCTATATAGAAAGACAAAGGGCACTGGCTATAGGCTACAATGCCAAGCAATGGTGCACATGATTACACTGAGTTGTGTA	-21.1	Novel-mir-166-5p	-	TATAGAAAGACAAAGGGCACTG	-
Novel-mir-167-1	CAATTGTTGGTATAGAGTAAAACAGCAGAGGGGAGAGCAAAACATCCCTGGGTGGCACCTGTGCTGATTGTCTGTGTGGATGT	-26.4	Novel-mir-167-5p	-	TATAGAGTAAAACAGCAGAGG	-

Novel-mir-167-2	CAGTTGTTGGTATAGAGTGAAAACAGCAGAGGGGAGAGCAGACATCTCTCGGGGGCGCCTGTGCCTACTGT	-22.2	Novel-mir-167-5p	-	TATAGAGTGAAAACAGCAGAGGG	-
Novel-mir-168-1	ACGTTATACTTATAGGTTAAGGATTTTATTGTGCTCATTGCCCGAGTTATTGTCAATTGAGTTAGTAAAGGTTCTAAGCTCCTGAGAGA	-20.2	Novel-mir-168-5p	-	TATAGGTTAAGGATTTTATTGTG	-
Novel-mir-168-2	GCGTTATACTTATAGGTTAAGGATTTTATTGTGCTCATTGCTCGAGTTATTGTCAATTGAGTTAGTAAAGTCTAAGCTCCTGAGAGA	-21.9	Novel-mir-168-5p	-	TATAGGTTAAGGATTTTATTGTG	-
Novel-mir-169	GCGTCCOCAGATCAATGAAGTGTGCACCAGCCCTGCTCTGGTGCAGTCTTCTGTTTTGCTGCGAAAATGTC	-28.7	Novel-mir-169-5p	-	TATCAATGAAGTGTGCACCAGC	-
Novel-mir-170-1	TCATGCAAGTTATCCAGAGCCTGCGTGAAGCCCTCGTGTGCACCAGCAGTCCAGGTAACACGACGCGGGTTCTGGGAAT	-33.8	Novel-mir-170-5p	Novel-mir-170-3p	TATCCAGAGCCTGCGTGAAGC	TAAACTACGACGCGGGTTCTGGGAA
Novel-mir-170-2	TCGTGACAGTTATCCAGAGCCTGCGTGAAGCCCTCGCGTGCACCAGCAAGTCTCCAGGTAACACGACGCGGGTTCTGGGAA	-31.3	Novel-mir-170-5p	Novel-mir-170-3p	TATCCAGAGCCTGCGTGAAGC	TAAACTACGACGCGGGTTCTGGGAA
Novel-mir-171	GCATGGAAGTATGATTGTCTCTGTTGAGTCTAATGTTCAACATCTCGAAACCCAAAGCTCAGGCTCGGAAGAGTACATCGAAAC	-19.2	Novel-mir-171-5p	-	TATGATTGTCTCTGTTGAGTCT	-
Novel-mir-172	GGTTCAGCCCTATGCAGAACAGCAGCAGGGGACAAATACTGCACCTGATGTTGACTTGTGAATTGGCTTGCAGTTGGCCTCTAGG	-30.3	Novel-mir-172-5p	-	TATGCAGAACAGCAGCAGGGGAC	-
Novel-mir-173	GGTTCAGCCCTATGCAGAACAGCAGCAGGGGACAGAGTATCTCCATGGTAGATACCGCACTTGTGTTGACTTGTGAATTGGCTTG	-31.4	Novel-mir-173-5p	Novel-mir-173-3p	TATGCAGAACAGCAGCAGGGGACAGA	TTGATGTTGACTTGTGAATTGGC
Novel-mir-174	GGCATCACTGTATGGAGGAGGTGGAGCAGTGGCAGTATTTGTTTTAAATTCTGACAAAACAGCTTTGGGCATAAGTGGTCTTGT	-20.1	Novel-mir-174-5p	-	TATGGAGGAGGTGGAGCAGTGC	-
Novel-mir-175	GTGTAGCGCATATGTAGTGTGAGAAGAGTCAAGCCAAAACGCACAGTGTCTGTGACGCTAGCATTCCACCCACAGTACATAATGC	-28.7	Novel-mir-175-5p	-	TATGTAGTGTGAGAAGAGTCA	-
Novel-mir-176	AAGGAAGCTCTATGTCAACACTGTCCAGCAGCGCAGTCAACTGTTCTGGGCTCGGACGCATCTGGGATGGACCATCACA	-22.6	Novel-mir-176-5p	-	TATGTCAACACTGTCCAGCAGCGC	-
Novel-mir-177-1	AAGGAAGCCCTATGTCAACAGTGTCCAGAAGCGCAGTGCATTGTTCTGGGCTCAGAGGCATCTGGGATGGACCAT	-21.9	Novel-mir-177-5p	-	TATGTCAACAGTGTCCAGAAGCGC	-
Novel-mir-177-2	AGGGAAGCCCTATGTCAACAGTGTCCAGAAGCGCAGTCAACTGCTCTGTGCTCTGAGGCATCTGGGATGAACCTT	-26.7	Novel-mir-177-5p	-	TATGTCAACAGTGTCCAGAAGCGC	-
Novel-mir-177-3	TTCAGAGCCCTATGTCAACAGTGTCCAGAAGCGCAGTGTGACTGCTCTGGGCTGAAGGCATGTGGGATGGAC	-31.4	Novel-mir-177-5p	-	TATGTCAACAGTGTCCAGAAGCGC	-
Novel-mir-178	GGCGGGGATCTATGTGTGCTTGGACGTGACGGATGAGGAAGTGTCCCGGGTTTTATTGGGGATCCCGGCTT	-25	Novel-mir-178-5p	-	TATGTGTGCTTGGACGTGACGGAT	-
Novel-mir-179	TGGCCCTGGATATGTTGTTAGCTGAGAGAGGAGTATGAAAATGTTGGGCACATTTGTTGACTTTACATACCTAACATACCTT	-25.4	Novel-mir-179-5p	-	TATGTTGTTAGCTGAGAGAGGAGG	-
Novel-mir-189-1	ATAATCTCCTTATTGATGTCATTGTCTTATACCATAAAAAAGCGAAGGAAGTTTCGATGATCTTTGTGCACTAAGAAACAGTGGAAACAT	-19.6	Novel-mir-189-3p	-	TATTGATGTCATTGTCTTATAC	-
Novel-mir-189-2	ATAATCTCCTTATTGATGTCATTGTCTTATACCATAAAAAAGCGAAGGAAGTTTCGATGATCTTTGTGCACTAAGAAACAGTGGAAACAT	-19.6	Novel-mir-189-3p	-	TATTGATGTCATTGTCTTATAC	-
Novel-mir-180	AGGGGGTGTATTGTCTGGGAGAGGGCGTCTGTTTTCTGGTTTCGGGACCCCGCCGATAGAGAGGGTAAACCAGAACC	-25	Novel-mir-180-5p	-	TATTGTCTGGGAGAGGGCGTCT	-
Novel-mir-181	AGGGTCTGACTATTGTGGAACTTTGCGACAGAACAAACAGACATCTCCAGTATGAAGGCTCCAGGTCAGAGAGGTCCA	-18.4	Novel-mir-181-5p	-	TATTGTGGAACTTTGCGACAGAA	-
Novel-mir-182	CTGAGTCAGCTATTAGGAGTCTGATGGCAGAGGAAAGAAAGATTTTTAGTCTAGAAAGTCTGCATTTACACTTCTGAGCCTC	-29.3	Novel-mir-182-5p	Novel-mir-182-3p	TATTTAGGAGTCTGATGGCAGAA	CATTTACACTTCTGAGCCTCTGA
Novel-mir-183	TAGGATGAGATATTTGGGAACTGGGACAAACAGGATGCTTCCATAGGGCTGGGACTCTCTCCAG	-18.8	Novel-mir-183-5p	-	TATTTGGGAACTGGGACAAACA	-
Novel-mir-184-1	TTGAATGGGTTCAAAATGCAGCAGAGGAGGTGTGAGTAACTTCTGTGTTGATGTGCTGGACCTCGTCT	-34.3	Novel-mir-184-5p	Novel-mir-184-3p	TCAAAATGCAGCAGAGGAGGTTGTC	TTCTGTGTTGATGTGCTGG
Novel-mir-184-2	TTGAATGGGTTCAAAATGCAGCAGAGGAGGTGTGAGTAACTTCTGTGTTGATGTGCTGGACCTCGTCT	-34.3	Novel-mir-184-5p	Novel-mir-184-3p	TCAAAATGCAGCAGAGGAGGTTGTC	TTCTGTGTTGATGTGCTGG
Novel-mir-185	TCTGCCTCCCTCAAAGCCTCAAAGGATGACGGTGTGGCAGCCGTACGTGCTGCTGATGCTCTCTGTTGCAAGGCCCGCAGAT	-29	Novel-mir-185-5p	Novel-mir-185-3p	TCAAAGCCTCAAAGGATGACGGTG	GTCGTAGTCTCTGGTGAAGG
Novel-mir-186	TCTGCCTCCCTCAAAGCCTCAAAGGATGACGGTGTGGCAGCCGTACGTGCTGCTGATGCTCTCTGTTGCAAGGCCCGCAGAT	-29	Novel-mir-186-5p	Novel-mir-186-3p	TCAAAGCCTCAAAGGATGACGGTG	TCGTAGTCTCTGGTGAAGG
Novel-mir-187-1	GGTATGGTCTCAACTGTCCGCTGCAGACTGGCTAATACCTCTCTGACCATGTCCAGGGCCCGAGGTAAGATGAGCTCTCTG	-22.4	Novel-mir-187-5p	-	TCAACTGTCCGCTGCAGACTG	-

Novel-mir-187-2	GGTATGGTCTCAACTTGTCCGCTGCAGACTGGCTAATACTTCTCTGACTATGTCCAGGGCCGACAGGTAAGATGAGCTCCTCTGCT	-22.47	Novel-mir-187-5p	-	TCAACTTGCCGCTGCAGACTG	-
Novel-mir-188	ATTTATACAGTCAAGTTGGTACTGTGGCAGTTCAAGACTGTTATCAGTCTGTCTACCAGACAGAGCCGGTCAGTCACAAACTTTTCTGCATACTC	-29.8	Novel-mir-188-5p	-	TCAAGTTGGTACTGTGGCAGT	-
Novel-mir-189	GGAGGGGATTC AATGTCTCTCCCGGCTCTGACACCATCGCGGCTTAGCTGGATGGAGTGCCCGGGGTTGTGTCTGGCCTTTCCCTCCC	-44	Novel-mir-189-5p	-	TCAATGTCTCTCCCGGCTCTG	-
Novel-mir-190	GGGAGGGGTTCAATGTCTCTCCCGGCTCTGAACTGACATGGGCTTAGCCGGATGTAGCGCCCGCCGGGGATATGTTGTTGGCTTTTCCCTCCCT	-43.4	Novel-mir-190-5p	-	TCAATGTCTCTCCCGGCTCTGA	-
Novel-mir-191-1	GACAGCCACCTCACAGTGCAGTGCAGCGGACAGTACCTGGAAGCCCTGGTCCAAATAGTACTTGCCCACTGTATTTGTGAATACACAGCCGTC	-31.7	Novel-mir-191-5p	-	TCACAGTGCAGTGCAGCGGCA	-
Novel-mir-191-2	GACAGCCACCTCACAGTGCAGTGCAGCGGACAGTACCTGGAAGCCCTGGTCCAGTTCAGTGTAGCTTCTCAATTGCCTGTGGTTAAGCGCAT	-30.6	Novel-mir-191-5p	-	TCACAGTGCAGTGCAGCGGCA	-
Novel-mir-192-1	AGATGTTCCATCACTATGCACCTCAGGACGCCCAATCATTGCGCGTGATTGGAGTCTCAGCGTCTCCGGAGTGAAAGTTTCACC	-24	Novel-mir-192-5p	-	TCACTATGCACCTCAGGACGCC	-
Novel-mir-192-2	AGATGTTCCATCACTATGCACCTCAGGACGCCCAATCATTGCGCGTGATTGGAGTCTCAGCGTCTCCGGAGTGAAAGTTTCACC	-24	Novel-mir-192-5p	-	TCACTATGCACCTCAGGACGCC	-
Novel-mir-192-3	AGATGTTCCATCACTATGCACCTCAGGACGCCCAATCATTGCGCGTGATTGGAGTCTCAGCGTCTCCGGAGTGAAAGTTCAGTCTTCTCC	-20.6	Novel-mir-192-5p	-	TCACTATGCACCTCAGGACGCC	-
Novel-mir-192-4	AGATGTTCCATCACTATGCACCTCAGGACGCCCAATCATTGCGCGTGATTGGAGTCTCAGCGTCTCCAGAGTGAAAGTTTCACC	-19.3	Novel-mir-192-5p	-	TCACTATGCACCTCAGGACGCC	-
Novel-mir-193	GGCTCTGTTTTCAGAATCATCTTTTCTCTTGCCATTGTTAGGGGCTAGCTTTGACTTGAATAGGGTTG	-18.4	Novel-mir-193-5p	-	TCAGAATCATCTTTTCTCTTGG	-
Novel-mir-194-1	TCCAGCTCTGTGACTAGAGGACTGGGAGCTGAGAACCAGGACAGAGCTTCACAGCTCCTCTGACAGGTTACAACCGCTGAGTCTGGAG	-38.46	Novel-mir-194-5p	-	TCAGACTAGAGGACTGGGAGCTGA	-
Novel-mir-194-2	TCCAGCTCTGTGACTAGAGGACTGGGAGCTGAAAAGTGGAGACAGAGCTTCACAGCTTCTCTTTGACAGGTTACAATCACTCAGGCTGGAG	-35.13	Novel-mir-194-5p	-	TCAGACTAGAGGACTGGGAGCTGA	-
Novel-mir-195	ACAACAGCACTCAGAGAGGCTGTTAGAGAGGCTCGAAGCACAAAGGGAGCTCAGTCAATATAAGCTTTTACACAGGTTGGGAGGCATCCGA	-18.1	Novel-mir-195-5p	-	TCAGAGAGGCTGTTAGAGAG	-
Novel-mir-196	CTCCTGGAAGTCAAGTGGTAACTGGACAGAGCCCTCAGCCACAGTGTGAAAAGATTCTCTGTTCTCTTTTGGCTCGGATTTATAGGAT	-27.5	Novel-mir-196-5p	-	TCAGATGGTAACTGGACAGAGC	-
Novel-mir-197-1	TGGCTATGGATCAGATGTTAGCAGCGCAAGGAGGTTGTTGAAAATCATTGGCCAGAGTGTGCACTTATATCCAGATAATTTCAGTCT	-20.2	Novel-mir-197-5p	-	TCAGATGTTAGCAGCGCAAGGAG	-
Novel-mir-197-2	TGGCTATGGATCAGATGTTAGCAGCGCAAGGAGGTTGTTGAAAATCATTGGCTCAAAGTGTGCACTTATATCCAGATAATTTCAGTCT	-18.92	Novel-mir-197-5p	-	TCAGATGTTAGCAGCGCAAGGAG	-
Novel-mir-198	ACGGGGACCCTCAGCGTTGAAATCTCGGTACCTCCTGCGAAAAGCACAAACGTGATGTTCAAGCCAGAAATGCACAGCGACTGTGGCGGTACCCT	-24.3	Novel-mir-198-5p	-	TCAGCGTTGAAATCTCGGTACC	-
Novel-mir-199	CATGTAACCTCAGGAGTTGTTCTTTGCTTGAATGCTTAAATGACAGGAATAGGACTGCTGAGATTTACTGTAA	-20.1	Novel-mir-199-5p	Novel-mir-100-3p	TCAGGAGTTGTTGTTCTTTGC	GACAGGAATAGGACTGCTGAGA
Novel-mir-200-1	CATTCCGTGCTCAGGATGTCAGATGCGCGCGCTCAAAAAACATTCCGTGCTCAGGATGCCATTGCTCGCTCAGGAAAT	-20.76	Novel-mir-200-5p	-	TCAGGATGTCAGATGCGCGCG	-
Novel-mir-200-2	TATTCCGTGCTCAGGATGTCAGATGCGCGCGCTCAAAAAACATTCCGTGCTCAGGATGCCATTGCTCGCTCAGGAAAT	-22.29	Novel-mir-200-5p	-	TCAGGATGTCAGATGCGCGCG	-
Novel-mir-201	TTACACCCAGTCACTGTGTGAACGAGAAAGAGGGACCCAGGTAGCCGACTTCAGTGCATGCAGTGATTTATTATACAGTGATGAAG	-23.5	Novel-mir-201-5p	-	TCAGTGTGTGAACGAGAAAGA	-
Novel-mir-202-1	GTTAAAGCCATCAGTTGAGTTGGTCCCGCAGATGGCTGCCTCGGTTCTGTACCGGAAACAAATTTCTCTGTGTGAACATACTTGGCCAGTAAAGGTGA	-23.2	Novel-mir-202-5p	-	TCAGTTGAGTTGGTCCCGCAGA	-
Novel-mir-202-2	GTTAGACCCATCAGTTGAGTTGGTCCCGCAGATGGCTGCCTCGGTTCTGTACCGGCAACAAATTCCTGTGTGTAACA	-23	Novel-mir-202-5p	-	TCAGTTGAGTTGGTCCCGCAGA	-
Novel-mir-203	CTGGCTCTCCTCAGTTTGGGGAAGAAGTAGAGGTGTGTTGAGCTTCTTCTACTGCTTCTATTCTACTGCTGACTCCAA	-23	Novel-mir-203-5p	-	TCAGTTTGGGGAAGAAGTAGAG	-
Novel-mir-204-1	CTGGCTCTCCTCAGTTTGGGGAAGAAGTAGAGGTGTGTTGAGCTTCTTCTACTGCTTCTATTCTACTGCTGACTCCAA	-21.7	Novel-mir-204-5p	Novel-mir-204-3p	TCAGTTTGGGGAAGAAGTAGAGGC	TGAGCTTCTTGGCCAGTGATGG
Novel-mir-204-2	CTGGCTCTCCTCAGTTTGGGGAAGAAGTAGAGGTGTGTTGAGCTTCTTCTACTGCTTCTATTCTACTGCTGACTCCAA	-29.5	Novel-mir-204-5p	-	TCAGTTTGGGGAAGAAGTAGAGGC	-
Novel-mir-205-1	GTGAGCTGGGTCAAGTTGGAATGGAGGATGTCGGGATTATGGCGTTGAACACCAAGCTGAAGTCCACA	-23	Novel-mir-205-5p	-	TCAGTTGGAATGGAGGATGTC	-

Novel-mir-205-2	GTGAGCTGGGTGAGTTTGAATGGAGGATGTCTGGTATGATGGTGTGAATGCCAAGCTGAAGTCCACA	-20.7	Novel-mir-205-5p	Novel-mir-205-3p	TCAGTTTGGAAATGGAGGATGTC	TGGTGTGAATGCCAAGCTGAAG
Novel-mir-206-1	GTGAGCTGGGTGAGTTTGGAGTAGAGGATGTCCAGGATGATGGTGTGAACGCTGAGCTGAAGTCCACA	-19.2	Novel-mir-206-5p	-	TCAGTTTGGAGTAGAGGATGTC	-
Novel-mir-206-2	GTGAGCTGGGTGAGTTTGGAGTAGAGGATGTCCAAGATGCTGGTGTGAATGCTGAGCTGAAGTCCACA	-18	Novel-mir-206-5p	-	TCAGTTTGGAGTAGAGGATGTC	-
Novel-mir-207	GTGAGCAGGGTCAGTTTGGAGTGGAGGATGAGTGGGATGATGGGCCATGCATAGTCCCTGGGGAGTTGAGGTGTTGCAGGATG	-20.2	Novel-mir-207-5p	Novel-mir-207-3p	TCAGTTTGGAGTGGAGGATGA	TAGTCCCTGGGGAGTTGAGGTTG
Novel-mir-208	GTGAGCTGGGTGAGTTTGGAGTGGAGGATGTCCAGGATGATGGTGTGAATGCCAAGCTGAGGTCCACAAGAGG	-22.8	Novel-mir-208-5p	Novel-mir-208-3p	TCAGTTTGGAGTGGAGGATGTC	ATGGTGTGAATGCCAAGCTGAGTGC
Novel-mir-209	GTGAGCCGGGTGAGTTTGGAGTGGAGGATGTCTGGGATGATGGTGTGAATGCCAAGATGAAATCCACAAGAAGGCCCTGCA	-24.5	Novel-mir-209-5p	-	TCAGTTTGGAGTGGAGGGTGTCTG	-
Novel-mir-210	GCCTATAGCATCATAACTAAGGAAGGCTCAGGGTCACTGTAGTAGCCCTAATAAGCTTTAGCA	-19.4	Novel-mir-210-5p	-	TCATAACTAAGGAAGGCTCAGG	-
Novel-mir-211-1	AGAATCCGACTCATAAGGTGGTCCGGTCCGGTGTGGAGCAAAGGGTGTGCTGTGCATATAGCTGTACAGCATTCTGCACCGCA	-35.7	Novel-mir-211-5p	-	TCATAAGTGGTCCGGTCCGGCTGT	-
Novel-mir-211-2	AGAATCCATTTCATAAGGTGGTCCGGTCCGGTGTGGAGCAAAGGGTGTGCTGTGCATATAGCTGTGCAGCATTCTGCACAGACA	-28.5	Novel-mir-211-5p	-	TCATAAGTGGTCCGGTCCGGCTGT	-
Novel-mir-211-3	AGAATCTGACTCATAAGGTGGTCCGGTCCGGTGTGGAGCAAAGGGTGTGCTGTGCATATAGCTGTGCAGCATTCTG	-23.2	Novel-mir-211-5p	-	TCATAAGTGGTCCGGTCCGGCTGT	-
Novel-mir-211	AGAATCTGACTCATAAGGTGGTCCGGTCCGGTGTGGAGCAAAGGGTGTGCTGTGCATATAGCTGTGCAGCATTCTGCACAGACA	-31.5	Novel-mir-211-5p	-	TCATAAGTGGTCCGGTCCGGCTGT	-
Novel-mir-212-1	TTCAAAAACGTCATAGCTTGCAGCACTCTTTGAGAGCTTCAAAGTAAGGAAGCAGGTTGAGGCATGTGGTAT	-18.7	Novel-mir-212-5p	Novel-mir-212-3p	TCATAGCTTGCAGCACTCTTTG	AAAGTAAGGAAGCAGGTTGAGGC
Novel-mir-212-2	TTCAAAAACGTCATAGCTTGCAGCACTCTTTGAGAGCTTCAAAGTAAGGAAGCAGGTTGAGGCATGTGGTAT	-18.7	Novel-mir-212-5p	Novel-mir-212-3p	TCATAGCTTGCAGCACTCTTTG	CAAAGTAAGGAAGCAGGTTGAGGC
Novel-mir-213-1	ACAAACAGAGTCATATCAGGATCTGGGATAGGCTCAGCTGCCAGGCTATTCTGATTTTTATATCTCTCCGCTTTTTTC	-20	Novel-mir-213-5p	Novel-mir-213-3p	TCATATCAGGATCTGGGATAGG	TCTATTCTGATTTTTATATCTCTCT
Novel-mir-213-2	ACAAACAGAGTCATATCAGGATCTGGGATAGGCTCAGCTGCCAGGCTATTCTGATTTTTATATCTCTCTGCTTTT	-21.2	Novel-mir-213-5p	Novel-mir-213-3p	TCATATCAGGATCTGGGATAGG	CTATTCTGATTTTTATATCTCT
Novel-mir-214	ATCAGGACCATCATCAAGAAGGCACAGGAGAGGATTTACTTCCAGTGCCAGCTCAGGAAGTTGACCTGCC	-18.7	Novel-mir-214-5p	-	TCATCAAGAAGGCACAGGAGA	-
Novel-mir-215-1	TCTATGTAATCATGTTATCAAATGAACCTCCTGGGTGATGCTTCTGTTTTGCTCTATGCCAAGGGTGGTCTTTATTAGTTGATCTAA	-19.8	Novel-mir-215-5p	-	TCATGTTATCAAATGAACCTCCT	-
Novel-mir-215-2	TCTATGTAATCATGTTATCAAATGAACCTCCTGGTGTGATGCTTCTGTTTTGCTCTATGCCAAGGGTGGTCTTTATTAGTTGATCTAG	-20.6	Novel-mir-215-5p	-	TCATGTTATCAAATGAACCTCCT	-
Novel-mir-216	ACATGAGCTTTTCATTGAGAATATGAGCAGAGTTCTTTGCAACTTGTGTTTTAGCAATGAAAAATGTTAAGATTTATGAGAATGGA	-22.2	Novel-mir-216-5p	Novel-mir-216-3p	TCATTTGAGAATATGAGCAGAG	TGTGTTAAGATTTATGAGAATGGA
Novel-mir-217	CTGAGCTGATCCAAAAGCAGTCTGTTGTACAAAAAGGCCACGGTGTGTGTTATAGTTGTACTTTTTGAGTCTCTGCCA	-19.1	Novel-mir-217-5p	Novel-mir-217-3p	TCCAAAAGGCAGTCTGTTGTAC	TTATAGTTGTACTTTTTGAG
Novel-mir-218-1	GGCCGGGATTCCAATATCTGGTAGACTGGGAGGTTATGGTCCAGAAGAGCAGTCTGGATTCCCCGCTCCT	-27.9	Novel-mir-218-5p	-	TCCAATATCTGGTAGACTGGGA	-
Novel-mir-218-2	GGCTGGGAATCCAATATCTGGTAGACTGGGAGGTTATAGTCCAGAGGAGCGGCCCTGGATTCCCTGCTC	-24.2	Novel-mir-218-5p	-	TCCAATATCTGGTAGACTGGGA	-
Novel-mir-219	GCTGCCCACTCCACTGTAACAAGTTTGGCAGGGCACTGCTTCTCCCTCCTGAGGCGCCGTGCCATAAAGTTCTCTCAGTGTGCA	-28.24	Novel-mir-219-5p	-	TCCACTGTAACAGTTTGGCAGGG	-
Novel-mir-220	GCCAGGCACTCCAGTCAGAGGAGTGCAGTTGGCTCAGCCAGTATGCAAAAATTTGCTTAAGGAGTGAATCC	-20.8	Novel-mir-220-5p	-	TCCAGTCAGAGGAGTGCAGTTGGC	-
Novel-mir-221	NNNGCCTAGGTCCATCGGTTCTCTGGAGTGTGGCGTTGCTGGTGTGGTGGCCCCAAACGGAGAGGAACCCGGGCTCGACT	-41.3	Novel-mir-221-5p	-	TCCATCGGTTCTCTGGAGTGTGG	-
Novel-mir-222	CTTGGTGTATCCATGTAGAGGAGTGGCTAATGGTTGCTCCATTTCTAGTCACTATTGTAAGTCTGTTGGTGTGATCTGGCT	-24	Novel-mir-222-5p	-	TCCATGTAGAGGAGTGGCTAAATG	-
Novel-mir-223	CTTGTATCATCCATGTAGAGGAGTGGCTGATAGTTGTTCCATTCCATAAATGGTATCCGTAACCACTCTTGGTGTGATCAGT	-21	Novel-mir-223-5p	-	TCCATGTAGAGGAGTGGCTGATA	-
Novel-mir-224	GCCCTCTAAATCCATTGTAGGCCAGGGCACATACTGTAGCTGTGCTCTTTGGCCAGCAGTGAATGATGTGGCC	-34	Novel-mir-224-5p	-	TCCATTGTAGGCCAGGGCACATAC	-

Novel-mir-225	AACCACAGTATCCATTGTACAGCAGAAGCAATAGCAGGTATTAAGCCTGTGATTTTCATCATTGTTGGAACAGGGTGTTTGGTTC	-24.4	Novel-mir-225-5p	-	TCATTGTACAGCAGAAGCAATAGC	-
Novel-mir-226	ACGACCTGTTCCGAGAGGTCTGGTTCTGAAGGGTGGTCAGAGCCCCCTACCACCTCCTCTGCAGGCCAGC	-31	Novel-mir-226-5p	Novel-mir-226-3p	TCCGAGAGGTCTGGTTCTGAAGGG	CTTACCACCTCCTCTCTGCAG
Novel-mir-227-1	CACCAAGGCATCCGCGACTGTCTGCCTCCTGGTCTGGTATGGCGTATGCCTCCGGCCACTTTGATAAATAGTCCATGGCGGCCA	-29.9	Novel-mir-227-5p	Novel-mir-227-3p	TCCGCGACTGTCTGCCTCCTG	TTGATAAATAGTCCATGGCGGCCA
Novel-mir-227-2	CACCAAGGCATCCGCGACTGTCTGCCTCCTGGTCTGGTATGGCGTATGCCTCCGGCCACTTTGATAAATAGTCCATGGCGGCCA	-28.3	Novel-mir-227-5p	Novel-mir-227-3p	TCCGCGACTGTCTGCCTCCTG	TTGATAAATAGTCCATGGCGGCCA
Novel-mir-227-3	CACCAAGGCATCCGCGACTGTCTGCCTCCTGGTCTGGTATGGCGTATGCCTCCGGCCACTTTGATAAATAGTCCATGGCGGCCA	-28.3	Novel-mir-227-5p	Novel-mir-227-3p	TCCGCGACTGTCTGCCTCCTG	TTGATAAATAGTCCATGGCGGCCA
Novel-mir-228	CACGACCCGGTCCGGATAAGTGAAGAAGATGGATGGATGTGAAGTCCCAGACTCTTTTCGAGTCCAGATAGTGGAAAGA	-20.1	Novel-mir-228-5p	-	TCCGGATAAGTGAAGAAGATGGA	-
Novel-mir-229	CTGAACCTCTTCTGAAGTACTGGTCTTCTGAGGGTCACTGAACCTCTGACCTCTGTCCACATGTCCACACACTCAGGAGGGATC	-27.5	Novel-mir-229-5p	Novel-mir-229-3p	TCCGAAAGTACTGGTCTTCTG	TCTGTACCATGTCCACACTCA
Novel-mir-230	CTCATGGGACTCCTGAGACAGCTGACGGTACTAGCAGGCCAAGCGGGTGCAGCCAGGCAGTTGCGGAGG	-28.2	Novel-mir-230-5p	-	TCCTGAGACAGCTGACGGGTA	-
Novel-mir-231-1	ATTTCCAGCTCCTGGTTTAGCCGTTAGCTTGGCCGTTGGTTGGGGGTGATAGCTGGAAGAGAGACAGGGACGTGCTCCGAGG	-23.1	Novel-mir-231-5p	Novel-mir-231-3p	TCCTGGTTTAGCCGTTAGCTT	TGATAGCTGGAAGAGACAGGGACG
Novel-mir-231-2	ATTTCCAGCTCCTGGTTTAGCCGTTAGCTTGGCCGTTGGTTGGGGGTGATAGCTGGAAGAGAGACAGGGACGTGCTCCGAGG	-24.2	Novel-mir-231-5p	Novel-mir-231-3p	TCCTGGTTTAGCCGTTAGCTT	TGATAAGCGGAAGAGACAGGGACG
Novel-mir-232	TGCACCTCCCTCTGATGGTGTCTTGTCCCCTCTTGTGGGAGGCATGCGTAAACAGGGTGTAGATCATGGGACTGAGGACAC	-41.2	Novel-mir-232-5p	-	TCCTGTAGGCTGCTTTGTCCC	-
Novel-mir-233	TGTCTGAGCTTCTGTACCTGCCTCCTAGGGTGCAGTGGTTTTTGTGGCATGTCTTTTGAAGATTGGGTGTAGGCTGTTTGA	-22.3	Novel-mir-233-5p	Novel-mir-233-3p	TCCTGTACCTGCCTCCCTAGG	TTTTTGAAGATTGGGTGTAGGC
Novel-mir-234	AGATAAACATGCTTTCAGTTCACACAAGCAGTGTCTCACAGTCCCTGTGGTCTGTAGTCTGTTCTGAAAGGTTAAATCCATTG	-20.4	Novel-mir-234-5p	Novel-mir-234-3p	TCCTTTCAGTTCACACAAGCAG	TCTGTAGTCTGTTCTGAAAGGTTA
Novel-mir-235-1	TTGACTGGGTTGCAAAATGCAACAGAGTAGGGCTCAGTTCGCGCCTCGTGTGTTGATGTGCTGGACCCCGCCCT	-28.8	Novel-mir-235-5p	-	TGCAAAATGCAACAGAGTAGGC	-
Novel-mir-235-2	TTGATTGGGTTGCAAAATGCAACAGAGTAGGGCTCAGTTCGCGCCTCGTGTGTTGATGTGCTGGACCCCGCCCT	-30.4	Novel-mir-235-5p	-	TGCAAAATGCAACAGAGTAGGC	-
Novel-mir-236	CCCTGGACTGTGCAAGCAACAGACGGTCTCTCGAACAGTGTCTTATGAGGTCTGCCTGACCTGGGCTGTCACTCAACTCA	-26.9	Novel-mir-236-5p	-	TCGAAGCAACAGACGGTCTCT	-
Novel-mir-237	CAAGGACACCTCGACATGTTGACTGGACAAGCGGCAATCGATCCGCTAATCTCCGTTAGGAACAGCCGCTCTAC	-18.2	Novel-mir-237-5p	-	TCGACATGTTGACTGGACAAGC	-
Novel-mir-238	CCTGGGCTGGTCGAGGTAGGGATGATGGTGGCTGAGGAGACAGGAGCATGTACAACAGTTAAAGGAGACTGTGATTGACCTGT	-26	Novel-mir-238-5p	Novel-mir-238-3p	TCGAGGTAGGGATGATGGTGG	TTAAAGGAGACTGTGATTGA
Novel-mir-239	CCTGGACTGGTCGAGTTGGATGTTACTGAAGTGAACAGAAATAGTACATACGGTAAAGTAGTACTGTGATTGACCTCGAGGGTG	-20.2	Novel-mir-239-5p	Novel-mir-239-3p	TCGAGTTGGATGTTACTGAAGA	TAAGTAGTACTGTGATTGACTG
Novel-mir-240	CTGGCTCCTCTCGATGTGGAGGAGCAGCGCTCTACTCTGAGCTCCTCCCGGTTGACTGAGCTCC	-24.6	Novel-mir-240-5p	-	TCGATGTGGAGGAGCAGCGGC	-
Novel-mir-241	GTGGGAAAAATCGATTGAAATGTGAACAGGGGTGATTACCATGGGCATTTGTTCAAGCTATGATTCTTGCA	-19.6	Novel-mir-241-5p	-	TCGATTTGAAATGTGAACAGGG	-
Novel-mir-242	CTGCAGGAGATCGAAATGACGGTACCTTAAACGTACGTTTGAAGCAACAACCTGCGGATGTTCTGGAT	-18.7	Novel-mir-242-5p	Novel-mir-242-3p	TCGCAAAATGACGGTGACCTTAA	TGTATTCTTTGATGCTATTATT
Novel-mir-243	CTTTACAATGTCGGAACAGCTGTGAGCATAGCTCCGCTCAGCTCGTCTGAGTTTCCCTTCGGGCTCCTCTCACAGATCGTGTG	-19.5	Novel-mir-243-5p	-	TCGGAACAGCTGTGAGCATA	-
Novel-mir-244	TGGTTCTCAGTCGGAAGGATGGCTTGTCCCTCAGGTTGGTGGAGAGTCTCTGCCTCGAGTGGAGGAGTT	-19.3	Novel-mir-244-5p	-	TCGGAAGGATGGCTTGTCC	-
Novel-mir-245	ACAGCATGAGTCGAGGAAAGGGAGGCTGTGGCTGTCTTCTGTCTCCGCTTCTTCTCTGTACATGTAGA	-24.5	Novel-mir-245-5p	-	TCGGAGGAAAGGGAGGCTGTG	-
Novel-mir-246	GTGTCAGACTTCGGATGGACACAGTCAAGTGGTGGAGATGAGAAGAGGACCGGGCTGTGGACACTGGGGCAGGCCA	-29.16	Novel-mir-246-5p	-	TCGGATGGACACAGTCAAGTGG	-
Novel-mir-247	ATCCAAGGATCGTTGTCAGGCTGCAGTTGGTCAAAAATGGCGCGCTGGCTGCTCACTGACCCGTCGACATGCT	-23.7	Novel-mir-247-5p	-	TCGTTGTCAGGCTGCAGTTGG	-
Novel-mir-248	TTGTCCAAAGTCGTTCCAGGAGTGCCTCAGGCGGTGCCAGTTCGGTGGAGGAAAGCGATTCTAAGCTGCTGAGTAAGA	-24.6	Novel-mir-248-5p	-	TCGTTCCAGGAGTGCCTCAG	-

Novel-mir-249	ACTGTAAACATCTACACTGATTCTGCCTATGCAGTACAAGCAATGCATGTGGACCTGTGCTACTGGAGAAGAAAAGGTTTTGTGACC TCTGCAGG	-23.1	Novel-mir-249-5p	-	TCTACACTGATTCTGCCTATGCAG	-
Novel-mir-250	GTAACTAAGTCTACAGGAAGAGGGTGCAGAGCTATTCTGGCCAAACACTATAACCTCAGATTAGCATCA	-19.3	Novel-mir-250-5p	-	TCTACAGGAAGAGGGTGCAGGAC	-
Novel-mir-251	ATGCAAACTTCTAGAATGTTGCAATAAGCAGCATGTGTGCGTATGTTGGTATTTTCAGGCGTTTCTGAAAGTAGACATGCAG	-22.1	Novel-mir-251-5p	-	TCTAGAATGTTGCAATAAGCAGC	-
Novel-mir-252	CCTCATTCTCTAGGAGTAGACACCTTACTGGCCACAAGCGGAGGGTTGAGGGAGTATTCTTTGAGTCAAAGGGGT	-21.3	Novel-mir-252-5p	-	TCTAGGAGTAGACACCTTACTG	-
Novel-mir-253	CAGGTTGGACTCTAGTTGAAAACCGCAGTCTCAATGCTGTCCACAAGGCGTTGGCATGCCGTTGAAAATGTACCATCATGGGCT	-23	Novel-mir-253-5p	Novel-mir-253-3p	TCTAGTTGAAAACCGCAGTCTCAA	TGCGATGCCGGTTGAAAATGTCA CC
Novel-mir-254	GGGGTATACTCTATCTGTGGGCCATCCCTGGATCAGGTTCTGTGCTGCGCCTCCCATATGGTGTCCCTCAA	-18.4	Novel-mir-254-5p	Novel-mir-254-3p	TCTATCTGGTGGCCATCCCT	TCCTGTTGCTGCGCCTCCCATAT G
Novel-mir-255	CAGCGCTCGTCTATGTTGCAAGGCCAGGAGCCGGACATGCTGTTGGAGCCGACTGGGGTGGAGCCCT	-30.1	Novel-mir-255-5p	-	TCTATGTTGCAAGGCCAGGA	-
Novel-mir-256	GTGTCCCACTCTACTGTTGGCCCTCTTTTGGCCGACAGGACAGCCGGATGAGATGGTGTGGGCCCCACAGTAGAG GCAAG	-37.2	Novel-mir-256-5p	Novel-mir-256-3p	TCTCACTGTTGGCCCTCTTTG	TGAGATGGTGTGGGCCCCACAG
Novel-mir-257	GTGTAGCCGGTCTCATCTCTACGCGCCATCAAGTAACATCTCTGCGTTGTCTTTAGTGATGAAGCGTAGACAGGGTTGCCAT CCACA	-23.8	Novel-mir-257-5p	-	TCTCATCTCTACGCGCCATCA	-
Novel-mir-258	TCTGAGAATATCTCCGAGGAGACTGAAGCTTTGTGCAAACTCTGCCTCTGTGCCCTTACTGGGATTTCCCTGG	-22.3	Novel-mir-258-5p	-	TCTCCGAGGAGGACTGAAGC T	-
Novel-mir-259-1	CTTGGCCAACTGAACCTCCACCTCCACCCACCCCTGAAAAGGTATCGGTGTGGTTTGCAGCCAGTCCAAGC	-21.2	Novel-mir-259-5p	Novel-mir-259-3p	TCTGAACCTCCACCTCCACCCAC	GTATCGGTGTGGTTTGCAGCC A
Novel-mir-259-2	CTTGGCCAACTGAACCTCCACCTCCACCCACCCCTGAAAAGGTATCGGTGTGGTTTGCAGCCAGTCCAAT	-18.9	Novel-mir-259-5p	Novel-mir-259-3p	TCTGAACCTCCACCTCCACCCAC	GTATCGGTGTGGTTTGCAGCC A
Novel-mir-260-1	CATTGCCTGATCTGAATGCATGAGAGCAAGCAGCAGCATGTGGCGTACCTGACTGTTTATCTGGGGCTTCTGGTTGGGAAACC	-20.3	Novel-mir-260-5p	-	TCTGAATGCATGAGAGCAAGCA CG	-
Novel-mir-260-2	CATTGCCTGATCTGAATGCATGAGAGCAAGCAGCAGCATGTGGCATACCTGACTGTTTATCCAGGGCTTCTGGTTGGGAGCC	-21.6	Novel-mir-260-5p	-	TCTGAATGCATGAGAGCAAGCA CG	-
Novel-mir-261	CATCGCTGATCTGAATGCATGAGAGCAAGCAGCAGCATGTGGCATACCTGACTGTTTATCCAGAGCTTCTGGTTGGGAGCA	-20	Novel-mir-261-5p	-	TCTGAATGCATGAGAGCAAGCA GC	-
Novel-mir-262	AGCTCGGCCATCTGAGCGAGCTTGGCTGTGGATCACTTCAGCTTGCAGCACTCTGAAGCCCTGCA	-22.2	Novel-mir-262-5p	Novel-mir-262-3p	TCTGAGCGGAGCTTGGCTGTG	TTCAGCTTGCAGCACTCTGAAG
Novel-mir-263	TTTCTTCCATCTGATAGTTTTCTGAATTGTCACTGTTTGTCTGCTGCACAAAGCCACAGTTCATTGAGCTGTGAGAGG TCAGAGGC	-32.2	Novel-mir-263-5p	-	TCTGATAGTTTTCTGAATTGTG	-
Novel-mir-264	GGAGGAATTGCTGGAGAAAGAGAAGTCTGGGCATCTTTGCTTAGACTGCTGCCCAAGCGCCGGTCCCG	-25.5	Novel-mir-264-5p	-	TCTGGAGAAAGAGAAGTCTGG GCA	-
Novel-mir-265-1	GGAGGAAGTGTCTGGAGAGAGGGAAGTCTGGCATCCTTGTAGACTTCTGGCCCGCAACCCGATTCCC	-23.6	Novel-mir-265-5p	-	TCTGGAGAGAGGGAAGTCTTG GC	-
Novel-mir-265-2	GGAGGAAGTGTCTGGAGAGAGGGAAGTCTGGCAGCTTGTCTTAGACTGCTCCCCAGCGACCTGGTTCCG	-25.7	Novel-mir-265-5p	-	TCTGGAGAGAGGGAAGTCTTG GC	-
Novel-mir-265-3	GATGAAGCTGTCTGAAGTCTGGTGGAGTGGCCCTGGAGACTCCGATACCTTCTCCCTGAAGGCAGGAGTCT	-20.6	Novel-mir-265-3p	-	TCTGAAGTCTGGTGGAGTG	-
Novel-mir-266-1	CAACCTCCCATCTGTAGGCTGACTCATCATCGTCTCGGATGAGACCAATGACCGCTGTGCATCTGCAAACTTTAGGAGTTGA	-24.5	Novel-mir-266-5p	-	TCTGTAGGCTGACTCATCATC	-
Novel-mir-266-2	CACCCTCCCATCTGTAGGCTGACTCATCATCATCTCGGATGAGACCAATGACCGTGTGCATCTGCAAACTTTAGGAGTCTGA	-20.5	Novel-mir-266-5p	-	TCTGTAGGCTGACTCATCATC	-
Novel-mir-267	TTGAGGTCTGTCTGGAACTGATGATGCTGGTGGTCTGTAGTCTGTGATGTGCTGCAGGCCATGTCACATCCGTCAGAGT CAGCAGTAGA	-32.1	Novel-mir-267-5p	-	TCTGTGAACTGATGATGCTGG TG	-
Novel-mir-268	CGGCAGGCTGTCTGGAGCTTATGATGCTGGTGGTGGTCTGTAGTCTGTGATGTGCTGCAGGCCCTGCCA	-26.3	Novel-mir-268-5p	-	TCTGTGGAGCTTATGATGCTGG TG	-
Novel-mir-269	GTTTCAATATGCTGACTTTGTGTTTCATCATTGACCTCTCCAGTACCCCATCTATGATGTAGAGCTCTGTGTAGATCTGATTGAGAAA TGTGGGTT	-18.9 9	Novel-mir-269-5p	-	TCTGTGATGATCTGATTGAGAA	-
Novel-mir-270	GTCTCATCTTCTGTGCTGAATTGAACAGCTGGGAAATTCGCCATCAAACATGCTGGGTTCCCTCTCATCATTGCTGGAGTCA TCGTTGC	-18.3	Novel-mir-270-5p	Novel-mir-270-3p	TCTGTGCTGAATTGAACAGCT GGG	CCCTCATCATTGCTGGAGTCA
Novel-mir-271	GTGATTAATCTGTAGGAGCGCAATGAGACGCGAGGCCACAAACCTTTGTCTCTGCTTTTGTGTTAATAACAGGATCATTAA CTG	-25.4	Novel-mir-271-5p	-	TCTGTTAGGAGCGCAATGAGAC GG	-

Novel-mir-272-1	TGGTGAGCCTTCTTAACCAGGCTGTGGGTGTTGGTAGTCCAGGACAGATCCTCTGAGATGTGGGTCCCAG	-20.2	Novel-mir-272-5p	Novel-mir-272-3p	TCCTAACCCAGGCTGTGGGTGTTGG	AGGACAGATCCTCTGAGATG
Novel-mir-272-2	TGGTGAGCCTTCTTAACCAGGCTGTGGGTGTTGGTGGTCCAGGACACATGCTCTGAGATGTGGGTCCCAG	-22.7	Novel-mir-272-5p	-	TCCTAACCCAGGCTGTGGGTGTTGG	-
Novel-mir-272-3	TGGTGAGCCTTCTTAACCAGGCTGTGGGTGTTGGTGGTCCAGGACAGATCCTCTGAGATGTGGGTCCCAGGAA	-20.2	Novel-mir-272-5p	Novel-mir-272-3p	TCCTAACCCAGGCTGTGGGTGTTGG	CAGGACAGATCCTCTGAGATGTTGG
Novel-mir-272-4	TGGTGAGCCTTCTTAACCAGGCTGTGGGTGTTGGTGGTCCAGGACAGATCCTCTGAGATGTGGGTCCCAG	-20.2	Novel-mir-272-5p	Novel-mir-272-3p	TCCTAACCCAGGCTGTGGGTGTTGG	AGGACAGATCCTCTGAGATG
Novel-mir-273	TGCCAAACTTTCTTCAACAGGGTCTCATTTGTGACATCTCCATCTCGGTCATAGAAGAGGGTGACGTGGGGAGGATCAGGAG	-19.3	Novel-mir-273-5p	Novel-mir-273-3p	TCTTCAACAGGGTCTCATTTGTGA	TCATAGAAGAGGGTGACGTGGGGA
Novel-mir-274-1	GCAAGCCTGTTCTTCAGGGTCAGACGGCGTGCCCTAATTCATGGGTTATCCGTAGTCTCTGGAAGGATGTGCGGT	-29.9	Novel-mir-274-5p	Novel-mir-274-3p	TCTTCAGGGTCAGACGGGCGTGC	TCATCCGTAGTCTCTGGAAGG
Novel-mir-274-2	GCGGGCCCGTCTTCAGGGTCAGACGGCGTGCCCTAATTCATGGGTTATCCGTAGTCTCTGGAAGGATGTGCGGT	-35.7	Novel-mir-274-5p	Novel-mir-274-3p	TCTTCAGGGTCAGACGGGCGTGC	TCATCCGTAGTCTCTGGAAGG
Novel-mir-273	GACAAACTGTTCTTGTAGATACAGGGTTTCTGGTGACCAGTTATATGTAGCTCTGCTTAAAAAGGACTGGCCCTGGACCGTCAAAGCAACAGATGGTC	-25.7	Novel-mir-273-3p	-	TCTTGATAGATACAGGGTTTCTGG	-
Novel-mir-275	CAATCCTGCATCTTGCTCTTGTGTAGCTGCCTGCTCAGTAAACCGAGCTGTGAGCTGCCAGGGCTGA	-22.1	Novel-mir-275-5p	-	TCTTGTCTTGTGTAGCTGCCTGC	-
Novel-mir-276	TGGGGCCTTGTCTTGTGAAATGTAACCTTTACCCAGCCTGAGATCCTAAGCAGCTCTGGAGAAGGTTTTTCATTGAGATGATCAAATGTTTT	-24.1	Novel-mir-276-5p	-	TCTTGTGAAATGTAACCTTTTTC	-
Novel-mir-277	GGTGAACCGGCTTTGAGGGTTTGAAGGCCCTGCTCTGCTGCTGGACCATGCAAACCTAACCTTGGTAGAGCTGAGCTG	-22.2	Novel-mir-277-5p	-	TCTTTGAGGGTTTGAAGGCCCTGC	-
Novel-mir-278	GGGGTTTAGTCTTTGGCGGACTGGAGTAGGCCAAGTCTTATGATTGGTCCAGACTAGAAAAGTTGGGCAGCAC	-19.1	Novel-mir-278-5p	Novel-mir-278-3p	TCTTTGGCGGACTGGAGGTAGGC	TATGATTGGTCCAGACTAGAAAAGGT
Novel-mir-279	TTCTGCTGCTGAAAAACATCCCCACGGCATGATGCTGCCACCACCATGCTTCACTGTAGGGATGGTATTGGCCAGGTGGTGA	-25.6	Novel-mir-279-5p	Novel-mir-279-3p	TGAAAAACATCCCCACGGCATGA	TGCTTCACTGTAGGGATGGTATTGGC
Novel-mir-280	CGCCAAGAAATGAAACATCTTTCAGATATGGCCACGGGTGGTTATCTGAGTCTGCTGGAGACGTAGGTGTGAGTGCC	-28.2	Novel-mir-280-5p	Novel-mir-280-3p	TGAAAAACATCTTTCAGATATGGC	TCTGAGTCTGCTGGAGACGTAGG
Novel-mir-281	TTTCAAGAGCTGAACATTTCTGCAACATTTGTGATGTGGTTCGCAAGTAAATGCTGCAGAATTGTCTCTCTTGGAAAT	-27.6	Novel-mir-281-5p	Novel-mir-281-3p	TGAACTATTCTGCAACATTTGTG	TAAATGCTGCAGAATTGTGCTC
Novel-mir-282-1	GCCATCAAGCTGAAGAAGGAGCTCTATCGGGCCCGTTGGCTCATGGGACTCCTGAAGCAGCTGGCAGGTACCGAC	-32.6	Novel-mir-282-5p	Novel-mir-282-3p	TGAAGAAGGAGCTCTATCGGGC	CTCATGGGACTCCTGAAGCAGCTGGC
Novel-mir-282-2	GCCATCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTCCTGAAGCAGCCGTGAGTA	-30.9	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-3	GCCGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTCCTGAAGCAGCTTGCAGTA	-37.3	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-4	GCCGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTCCTGAAGCAGCTGGCAGTA	-34.3	Novel-mir-282-5p	Novel-mir-282-3p	TGAAGAAGGAGCTCTATCGGGC	TTATGGGACTCCTGAAGCAGC
Novel-mir-282-5	GCTGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATAGAACTACTGAAGCAGCTGGCAGG	-30.8	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-6	GCTGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTGCTGAAGCAGCTGGCAGG	-32.8	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-7	GCTGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTTCTGAAGCAACTGGCATGTA	-26.3	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-8	GCTGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTTCTGAAGCAGCTAGCAGG	-29	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-9	GTAGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGAGACTCCTGAAGCAGCTGGCAGG	-31.5	Novel-mir-282-5p	-	TGAAGAAGGAGCTCTATCGGGC	-
Novel-mir-282-10	GTTGTCAAGCTGAAGAAGGAGCTCTATCGGGCCTGGTTGGCTCATGGGACTCCTGAAGCAGCTGGCAGG	-35	Novel-mir-282-5p	Novel-mir-282-3p	TGAAGAAGGAGCTCTATCGGGC	TCATGGGACTCCTGAAGCAGC
Novel-mir-283	TCAGTCGTGGTGAAGAAGGAGCTGAGCTGTAAGACGAGTCTCTCGATTTACTGGTAGCTCTGTATTTACGGGTCGATCTA	-24.6	Novel-mir-283-5p	-	TGAAGAAGGAGCTGAGCTGTAAGA	-
Novel-mir-284	TCTGTCTGGTGAAGAAGGAGCTGGACTGTAAGGTGAAGCTGTCAATTTACTGGTCGATCTACGTTCTACTCTCACCTATGGTCATGAG	-29	Novel-mir-284-5p	-	TGAAGAAGGAGCTGGACTGTAGG	-
Novel-mir-285	CACAGGCAGATGAAGAATGTAAGACCCCGAACCCCAACAGGCCTGTACATTATATCTGGTTGGGCTAATCCCATTCTACACAGGCACGTC	-19.9	Novel-mir-285-5p	-	TGAAGAATGTAAGACCCCGAACCC	-

Novel-mir-286-1	TCCAGCTTCATGAAGAGGCTGTGAACCATACTTCTGTTGTGGATAGGGGCCTCAGATAGAGACGGAA	-23.9	Novel-mir-286-5p	-	TGAAGAGGCTGTGAACCATACT	-
Novel-mir-286-2	TCCGGCTTCTGAAGAGGCTGTGAACCATACTTCTGTAGTGTGGATAGGCCCTCAGATAGACGGAA	-28.4	Novel-mir-286-5p	-	TGAAGAGGCTGTGAACCATACT	-
Novel-mir-286-3	TCCGGCTTCTGAAGAGGCTGTGAACCATACTTCTGTAGTGTGGATAGGGGCTCAGATAGATGGAA	-24.2	Novel-mir-286-5p	-	TGAAGAGGCTGTGAACCATACT	-
Novel-mir-286-4	TCCGGCTTCTGAAGAGGCTGTGAACCATACTTCTGTGTGGATAGGGTTTTCAGATAGACGGAA	-22.6	Novel-mir-286-5p	-	TGAAGAGGCTGTGAACCATACT	-
Novel-mir-286-5	TCCGGCTTCTGAAGAGGCTGTGAACCATACTTTTGTAGTGTGGATAGGGGCTCAGATAGACGGAA	-25.9	Novel-mir-286-5p	-	TGAAGAGGCTGTGAACCATACT	-
Novel-mir-287	GAAGTCCGATGAAGAGTCCTTGAGTCTGCAGCCTCTGGCAAGTACTGAGGAGTAAACTGGGTAATATAGCACTAA	-20.1	Novel-mir-287-5p	-	TGAAGAGTCTTGTGAGTCTGCAG	-
Novel-mir-288	GAAGCCACATGAAGTTTGAAGTCTGCAGCTATTGACTCTGCAGAAAGTTGGCAGCCTCTGTGCACTATGTGCCAGCAGCCAC	-21.3	Novel-mir-288-5p	-	TGAAGTTGAAGTCTGCAGCT	-
Novel-mir-289	AAAAACAGGGTAAATACGGAGGGAATCAGGGAGCTTGTAGTGTGGCAGTGGGGTGAATGATTTCTGGTTGATGAAGGGCCCTA GGAACCGGGCAAG	-25.2	Novel-mir-289-5p	-	TGAATACGGAGGGAATCAGGGAGC	-
Novel-mir-290	GCTGATAGAGTACTCACTTATTGTGGAATACATCGTATAACGTTGCACTGCTTTGTTCCACTGAATAAGTGTACGCTTTAAATGGTA	-24.8	Novel-mir-290-5p	-	TGACTCACTTATTGTGGAAT	-
Novel-mir-297	AAAAGACACGTGACTGATGACGTCCGACGCAGAAACTGAGTACTCCTGTGACAGCTCCGTTGATTGATGTCACAACATGAGGTCTT GC	-23.9	Novel-mir-297-3p	-	TGACTGATGACGTCCGACGCA GAA	-
Novel-mir-291	TAAAGAAATTGACTTGAAGATCTGAGGGACCTTTTAGGTTTGTGCAATGCACACTTTCAGTGAGTAAATGGGGTCAACAGTAA ATATCATTG	-21.1	Novel-mir-291-5p	-	TGACTTGAAGATCTGAGGGACC TT	-
Novel-mir-292	GAGAGGGAGTGAGAAAGTCGGTGCAGCCGGGCAACCTGACATGACCGTGTTTTACTGATGCAGCCCCATAA	-23.9 1	Novel-mir-292-5p	-	TGAGAAAGTCGGTGCAGCCGG G	-
Novel-mir-293	CGTCTAGGGATGAGAAGATTCGGCCCTGTAGCTTTGCCAGGACTTCATCTGTATTGGTGAATGTATCGTTCTCTTTTATTG ATCATT	-21.3	Novel-mir-293-5p	-	TGAGAAGATTCGGCCCTGTG AG	-
Novel-mir-294-1	TTTGCTCCGATGAGAAGGCTGGCTTCTGCTGAAGCGGGAAGTCGGAGGCAGAGACTTCTCTGAGCGGAGCACC	-33.4	Novel-mir-294-5p	-	TGAGAAGGCTGGCTTCTGTA AGC	-
Novel-mir-294-2	TTTGCTCCGGTGAAGGCTGGCTTCTGCTGAAGCGGAGGTGAGAGGCAGAGCCCTTCTCCGAGTAGAG	-25.5	Novel-mir-294-5p	-	TGAGAAGGCTGGCTTCTGTA AGC	-
Novel-mir-295	TCAACAATGGTGAAGTACTGCGTTGCCTTGGAGGGGGGAAGACCGGTGTACTCCTCAGAGCCTGTCATTCGGATTGGAGAT	-21.7	Novel-mir-295-5p	-	TGAGAATGACTGCGTTGCTTG GG	-
Novel-mir-296	GGACTCCAGATGAGATAGGGCTTGTATGCAGCATGTAGTAATGGCGTCATCAACCCAGTCCAGGAGGGT	-18.3	Novel-mir-296-5p	-	TGAGATAGGGCTTGTATGCAG CA TG	-
Novel-mir-297	TGAGCAGGGGTGAGATGCAGAATGACAAGGAGTTTGTGGACCCCTCGCCTCTTGTCTTCTGCTCTCATCCCTCTCATGT	-38.9 9	Novel-mir-297-5p	Novel-mir-297-3p	TGAGATGCAGAATGACAAGGA GT	TCTTTGCTCTTCTGCTCTCATC
Novel-mir-298	TTGTACAGTTTGAAGGCTGTGATTTCTGCCCATACAGGAGCTAACTGTACAAGTACTGCCTTGCCACGGTTGAGTCCACTCATC AGACCATGCTT	-26.8	Novel-mir-298-5p	-	TGAGGGTCTGTGATTTCTGCC CC AT	-
Novel-mir-299	TGGCAGCTCTGAGGTGTGGTCCAGCCTGGTCTTATAGACGCACCCCATGACTGGACATCGCTCATTCTGATGTTTACGCG TCCGCTCGCCAG	-35.8	Novel-mir-299-5p	-	TGAGGTGTTGGTCCAGCCTGG TGC	-
Novel-mir-300-1	TCGCACAAGCTGGGACAGGAGCTCCTGAAGAGGAAGCTGACCATAGTGGAACTATTGCGAGAAACAATTCTGAGCTCCACCCCA ACTTTTGATT	-31.8	Novel-mir-300-5p	-	TGAGTTGATAGTCCGTTCTGT G	-
Novel-mir-300-2	TCGATGAACCTGAGTTGATAGTCCGGTCTGTGAATATTATCAATTTGAGTCTGCATAATCAGATTGGGCTTTATCCC	-18	Novel-mir-300-5p	-	TGAGTTGATAGTCCGTTCTGT G	-
Novel-mir-301	ATTACTTCATTGATAAAGTTTGGGCCATTAGACAGAGTATTCTAAGACTACTCCTACTGTACCAACTGTCCTCTGTCCAGTTTACC CTGGAAATCT	-19.1	Novel-mir-301-5p	-	TGATAAAGTTTGGGCCATTAGA CA	-
Novel-mir-302	GAGAGAAGCTTGATAGCTAAAAGCTCTGCCTCCCATGTGGACTGTGGAATAAGAACTGGCTTTTAGGTTTCCAT	-19.8	Novel-mir-302-5p	-	TGATAGCTAAAAGCTCTGCCT CC	-
Novel-mir-303	CAAAGCTCTT	-20.8	Novel-mir-303-5p	Novel-mir-303-3p	TGATGGTTTGAACAATACTTA GGC	TAGATATTGGGACTTAGCTGCGC T
Novel-mir-304	ATGCAGCAGTTGATGTTGACTTTAAGCTGGACTGTGAAGATCTACTGGATTTTTTGTATGCTGTGATCTAGCATCACTTGCTCCAA	-23.5	Novel-mir-304-5p	-	TGATGTTGACTTTAAGCTGGAC TG	-
Novel-mir-305	TGGAGACTTTTGTATTTGATCCTCTTGTCTGTCTTATTCAAATTTATGTCAGCCAGGAGTTGATCTCTTTTGTCTGCTTTACCAG GTCTTTG	-23.4	Novel-mir-305-5p	-	TGATTTGATCCTTGTCTGTCT G	-
Novel-mir-306	GTGCCTGCTGATTTGGAACACGAGGACAGCAGTCTCTTCTGGTGGTCTCAGGTCCCGAAGTACTCTT	-20.9	Novel-mir-306-5p	-	TGATTTGGAACACGAGGACAG CAG	-

Novel-mir-334-1	CCCAGTCTGGTGGAGGTGGAAGGACGGCCCGTCAGTGTCCCACCTTCTACTGGCGGGCCCTGCTCTTTTGGCCACACCGGGGCAAGC	-49.9	Novel-mir-334-5p	-	TGGAGGTGGAAGGACGGCCCGTCA	-
Novel-mir-334-2	CCCAGTCTGGTGGAGGTGGAAGGACGGCCCGTCAGTGTCCCACCTTCTACTGGCGGGCCACTCTTTTGGCCGACCGGGGCAAG	-45.8	Novel-mir-334-5p	-	TGGAGGTGGAAGGACGGCCCGTCA	-
Novel-mir-335-1	CGACACACAGTGGATAACATGAATTTACCAGGGTAGTTTGATACCAGTGGACATCAGGATCCAGGACGTGAATATGCGAAGTCGC	-20.1	Novel-mir-335-5p	-	TGGATAACATGAATTTACCAGG	-
Novel-mir-335-2	GTGACACAGTGGATAACATGAATTTACCAGGGTAGTTCAATACCAGTGGACATCAGGATCCAGGATGTGTAATA	-19.7	Novel-mir-335-5p	Novel-mir-335-3p	TGGATAACATGAATTTACCAGG	CAGTGACATCAGGATCCAGG
Novel-mir-336-1	AGCCCAACCTCTGGATATGACGCTGAGCAGCGGGCACACAACCTTCTGATCGACTACGGCAGGCGCTGTTCTGAGTGGAACTGTCC	-26.0 3	Novel-mir-336-5p	Novel-mir-336-3p	TGGATATGACGCTGAGCACGG	CTGTTCTGAGTGGAACTGTCC
Novel-mir-336-2	AGCCATCTTCTGGATATGACGCTGAGCAGCGGGCACACAACCTTCTGATCGACCACAGCGAGGCGCTGTTCTGAGTGGAACTGTCC	-24.8 3	Novel-mir-336-5p	Novel-mir-336-3p	TGGATATGACGCTGAGCACGG	CTGTTCTGAGTGGAACTGTCC
Novel-mir-337	GTGGTCGGGCTGGATCTTTTGTGGTAAGCTTGTACTGACAGTAGTGGCGGAAGATGGCCAGCTTTTTTTTTG	-21.4	Novel-mir-337-5p	Novel-mir-337-3p	TGGATCTTTTGTGGTAAGCT	TGCAGTAGTGGCGGAAGATGGCCAGC
Novel-mir-338	CTTAAGTCTCTGGATGTTGTGGGGCTGGCTTGGCTGACACGCTCTGCAATGTACATGGCAGTTGGGGACAGTGA	-29.4	Novel-mir-338-5p	-	TGGATGTTGTGGGGCTGGCTTGGC	-
Novel-mir-339	CTCAAGTCTCTGGATGTTGTGGGGCTGTTTGGCTGACACGCTCTGCAACGTCGATGGCGGTTGGGGACAGTGC	-28.8	Novel-mir-339-5p	-	TGGATGTTGTGGGGCTGTTTGGC	-
Novel-mir-340	CTTACAGCGCTGGATTCAGAGAGACAGAGCTCACGAGGAGAACCCTCTTCTGAATCTAAATTAAGTTTTACAACACATTTATCTT	-28	Novel-mir-340-5p	-	TGGATTCAGAGAGACAGAGCTCA	-
Novel-mir-341	TTCTTCACAGTGGATTTAACTGAACCTGGGGGATGCTCAGTGCCTGGAAATTTCTTGTATCCATCCCAGCTTA	-19.7	Novel-mir-341-5p	-	TGGATTTAACTGAACCTGGGGGA	-
Novel-mir-342	GCATTTTCTATGGATTTGGCATAGGCTGGCATGCATTTCCAGCATGGGGTGCAGGTCAACTCTCTGTGTTTCATGAGACAGTATGG	-33.9	Novel-mir-342-5p	-	TGGATTTGGCATAGGCTGGCATGC	-
Novel-mir-343	CTTCAGACGTTGGATTTTATGATGGGGACGAGGTAAGGTTTTCTCTGCTGACTCTCCATGAAGGTCGTCTGTGTC	-20.8	Novel-mir-343-5p	-	TGGATTTTATGATGGGGACGCA	-
Novel-mir-344	CACCTGTGGTGGCAATGCTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTCCACGGTCCACCACCTCTCTGCAGGTGCTTG	-47	Novel-mir-344-5p	-	TGGCAATGCTCTGCAGAGAGGGC	-
Novel-mir-345	CAGATACACATGGCTAGGAAAGTTCACAGAGGTAATCATGCGATCGCCGTCAGATACACATGGCTAGGAAAGTTCCTCTAGAGGTA	-22.5	Novel-mir-345-5p	-	TGGCTAGGAAAGTTCACAGAGGG	-
Novel-mir-346	TATGGAAGATTGGCTGGTCTGGTGGATTGAGTATAGTTAACGTTTCTACACTGACCACCGTGGGACAGGATTGTGACCTCGT	-19.9	Novel-mir-346-5p	-	TGGCTGGTCTGGTGGATTGAGT	-
Novel-mir-347	GCCCCITTTGATGGGAATGTGGGTGGCCGAGAGCCAAACCTGTTAGTAGGAACGGCCCTACGGCGGCGATCGCCAGGCGTTTGT	-36.3	Novel-mir-347-5p	-	TGGGAATGTGGGTGGCCGAGAGC	-
Novel-mir-348-1	TCACACAAGCTGGGACAGGAGCTCCTGAAGAGGAAGCTGACCATGGTGGGAACATTCACAAAAACAATTTCTGAGCTCCCACCTCA	-22.3	Novel-mir-348-5p	-	TGGGACAGGAGCTCCTGAAGAGG	-
Novel-mir-348-2	TGGAAAGTAAGGGATGCCGTCAAGCTGAAGAAGGAGTCTTTCGAGCCTGGTGGCTCATGGGACTCCTGAGACAGCTGACGGGT	-46.5	Novel-mir-348-5p	Novel-mir-348-3p	TGGGACAGGAGCTCCTGAAGAGG	TCCTGAGACAGCTGACGGGTACT
Novel-mir-349	CTGAGGACACTGGGACTCACTCCTGGACTGTTGGGTTTGTGCTACTGAAAGACAACAGAAACAGTACATACGGTGAGTTGTAGA	-27.3	Novel-mir-349-5p	-	TGGGACTCACTCCTGGACTGGTGTG	-
Novel-mir-350	CACATGAGCTGGGACTGAAGACGTCTCCAGAGTTTCATTTTGTGGTAAGTTTTATATCTTTGCTCCACTTT	-19.5	Novel-mir-350-5p	-	TGGGACTGAAGACGTGCTCCAGAG	-
Novel-mir-351	CTGCGGACACTGGGATTCACCTCTGGACTGTTGTGGTGTGGTGTGCTGAGGAGAGAGTACAGAAACAGTTAATGGGAGACTGTG	-27.7	Novel-mir-351-5p	-	TGGGATTCACCTCTGGACTGGTGTG	-
Novel-mir-352	GACTCATCCATGGGATTGCCAGACAGAGAAGCGGATTCGTTACCCAGAGAACAGCTCCTCACTGCTGTGCGATCCAGTGGCAGCG	-22	Novel-mir-352-5p	-	TGGGATTCAGACAGAGAAGCGG	-
Novel-mir-353-1	AGTACACAGCTGGGATTTACTGTGTAGGGGACTTATTCTACTCCTCTACACCAAGCCAGTTGCTCAGACA	-22	Novel-mir-353-5p	-	TGGGATTTACTGTGTAGGGGAC	-
Novel-mir-353-2	AGTACACAGCTGGGATTTACTGTGTAGGGGACTTATTCTACTCCTCTACACCAAGCCAGTTGCTCAGGGTGTCTGCAACAACCC	-33.9	Novel-mir-353-5p	-	TGGGATTTACTGTGTAGGGGAC	-
Novel-mir-353-3	CGTACACAGCTGGGATTTACTGTGTAGGGGACTTATTCTACTCCTCTACACCAAGCCAGTTGCTCAGACA	-23.9	Novel-mir-353-5p	-	TGGGATTTACTGTGTAGGGGAC	-
Novel-mir-353-4	GGTACACAGCTGGGATTTACTGTGTAGGGGACTTATTCTACTCCTCTACACCAAGCCAGTTGCTCAGACA	-21.8	Novel-mir-353-5p	-	TGGGATTTACTGTGTAGGGGAC	-
Novel-mir-354	GTTACGCTTTGGGACAACGTGTTGAAGCGGAGCTTTAGTCAATGAAGAGTATCCTGATGTAGGAGTCTCCATTTCCAGGTGA	-22.8	Novel-mir-354-5p	-	TGGGGACAACGTGTTGAAGCGG	-

Novel-mir-355	AACAGTGTAGTGGGTTGACTGTCAGTGACTCACTCGTGTGCCATCATATAAATCACATGACTGGGTAGCTGAATTGCTCAAGGCCA CTCATTCT	-32.7 2	Novel-mir-355- 5p	-		TGGGGTTGACTGTCAGTGACT	-
Novel-mir-356 -1	CAGGTAGAAGTGGGTATAGAGATGTTGATGACTGGGGCGCTGAGGGATGGCCATGTCTTTAATCTTCTTTGCCAGTCTGTT CCTT	-28.5	Novel-mir-356- 5p	Novel-mir-356- 3p		TGGGTATAGAGATGTTGATG	TTAATCTTCTTTGCCAGT
Novel-mir-356 -2	TAGGTAAAAGTGGGTATAGAGATGTTGATGCCACTGGGGCAGTGTAGGGGTGACCATGTCTTTAATCTTCTTTGCCAGCTGTT CCTT	-24.3	Novel-mir-356- 5p	-		TGGGTATAGAGATGTTGATG	-
Novel-mir-357	AAGTCTGACATGGGTTAGAACAATCTGGCAGCTCCACACAGGGTGGAGCAGTCTATATACTGTTGTTAGCAGGTGGGTAAT	-25.2	Novel-mir-357- 5p	-		TGGGTTAGAACAATCTGGCAG	-
Novel-mir-358	CACCCTGCGGTGGTAAATCTGCTGAGAGGGCAGCGGAGTCTGGTGATCTTCCCGCAGTCTTTACCACCTCTCTGCAGGCGC	-39	Novel-mir-358- 5p	-		TGGTAAATCTCTGCTGAGAGG GC	-
Novel-mir-359	CACCCTGCGGTGGTAAATGCACTGCAGAGAGGGCAGTGGAGTCTGGTGATCTTCTCCGAGTCTTTACCAATCTCTGCAGGTGC	-35.7	Novel-mir-359- 5p	-		TGGTAAATGCACTGCAGAGAG GGC	-
Novel-mir-360	CACCCTGCGGTGGTAAATGCTCTACAGAGAGGGCAGGGCGCTCTAGTGATCTTCTCTGCAGTCTTGACCACCTCTCTGCAGGCGC TGCGGTCCATAACAG	-35	Novel-mir-360- 5p	-		TGGTAAATGCTCTACAGAGAGG GC	-
Novel-mir-361 -1	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAACGGAGTCTGGTGATCTTCTCAGCAATCTTTACCACCTCTCTGCAGGCGC TGCGGTCCATAGCCG	-32.5	Novel-mir-361- 5p	-		TGGTAAATGCTCTGCAAGAGAGG GC	-
Novel-mir-361 -2	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTAGTGATCTTCTCTGCAGTCTTTACCACCAGACAGTATGCA GCTGGTC	-35.4	Novel-mir-361- 5p	-		TGGTAAATGCTCTGCAAGAGAGG GC	-
Novel-mir-361 -3	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTCTCTGCAGTCTTTACCACCAGACAGTATGCA GCTGGTC	-34.1	Novel-mir-361- 5p	-		TGGTAAATGCTCTGCAAGAGAGG GC	-
Novel-mir-361 -4	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTAGTGATCTTTCCCGCAGTCTTTACCACCTCTCTGCAGGCGC	-34.3	Novel-mir-361- 5p	-		TGGTAAATGCTCTGCAAGAGAGG GC	-
Novel-mir-362 -1	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCATTGGAGTCTGGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGC	-31.2	Novel-mir-362- 5p	-		TGGTAAATGCTCTGCAGAAAGG GC	-
Novel-mir-362 -2	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTAGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGC GCGGTC	-32.8	Novel-mir-362- 5p	-		TGGTAAATGCTCTGCAGAGAAG GC	-
Novel-mir-362 -3	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTCTCTGCAGTCTTTACCACCCCTCTGCAGGTGC	-34.7	Novel-mir-362- 5p	-		TGGTAAATGCTCTGCAGAGAAG GC	-
Novel-mir-362 -4	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGC	-37	Novel-mir-362- 5p	-		TGGTAAATGCTCTGCAGAGAAG GC	-
Novel-mir-363 -1	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTCCACAGTCTTTACCACCTCTCTGCAGGCGCTTGC AGTCCATAGCAGTAG	-40.5	Novel-mir-363- 5p	-		TGGTAAATGCTCTGCAGAGAGA GC	-
Novel-mir-363 -2	CACCCTGCTGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTATTGTGCTTATTATCTTATTTCAGTGTGA	-18.8	Novel-mir-363- 5p	-		TGGTAAATGCTCTGCAGAGAGA GC	-
Novel-mir-363 -3	CACCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTCCACAGTCTTTACCACCTGCTGCAGGTGC	-30.4	Novel-mir-363- 5p	-		TGGTAAATGCTCTGCAGAGAGA GC	-
Novel-mir-364 -1	ACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTTACACAGTCTTTACCACCTTTCAGCAGGCA	-32.9	Novel-mir-364- 5p	-		TGGTAAATGCTCTGCAGAGAGG C	-
Novel-mir-364 -2	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGCAGTGGAGTCTGGTGATCTTTCCCGCAGTCTTTACCACCTCTCTGCAGGTGC	-33.2	Novel-mir-364- 5p	-		TGGTAAATGCTCTGCAGAGAGG C	-
Novel-mir-365 -1	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGTGGAGTCTGGTGATCTTCTCAGCAGCAGCACTTACCACCTCTCTGCAGGT GC	-40.9	Novel-mir-365- 5p	-		TGGTAAATGCTCTGCAGAGAGG GT	-
Novel-mir-365 -2	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGTGGAGTCTGGTGATCTTCCACAGTCTTTACCACCTCTCTGCAGGTACTT GCCATCCATAGCAG	-44.8	Novel-mir-365- 5p	-		TGGTAAATGCTCTGCAGAGAGG GT	-
Novel-mir-365 -3	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGTGGAGTCTGGTGATCTTCCACAGTCTTTACCACCTCTCTGCAGGCGC TGCGGTCCATAGCAG	-47	Novel-mir-365- 5p	-		TGGTAAATGCTCTGCAGAGAGG GT	-
Novel-mir-365 -4	CAGCTTGGTGGTAAATGCTCTGCAAGAGGGTGGAGTCTAGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGCTT TGCGTCTGC	-39.9	Novel-mir-365- 5p	-		TGGTAAATGCTCTGCAGAGAGG GT	-
Novel-mir-366	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGTGGAGTCTGGTGATCTTCCACAGTCTTTACCACCTCTCTCTTTAAGG TCT	-23.7 2	Novel-mir-366- 5p	-		TGGTAAATGCTCTGCAGAGATG GC	-
Novel-mir-367	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGGCGAGTGGAACTCTGGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGC	-40.3	Novel-mir-367- 5p	-		TGGTAAATGCTCTGCAGAGGG GCG	-
Novel-mir-368 -1	CACCCTGCGGTGGTAAATGCTCTGCAAGAGGGGCGAGTGGAGTCTGGTGATCTTCCCGCAGTCTTTACCACCTCTCTGCAGGTGCT TGTGG	-33.5	Novel-mir-368- 5p	-		TGGTAAATGCTCTGCAGAGTGG GC	-
Novel-mir-368 -2	CAGCCTGCGGTGGTAAATGCTCTGCAAGAGGGGCGAGTGGAGTCTAGTGATCTTCTCTGCAGTCTTTACCACCTCTCTGCAGGCGC	-43.1	Novel-mir-368- 5p	-		TGGTAAATGCTCTGCAGAGTGG GC	-

Novel-mir-369	CACCATGCGGTGGTAAATGCTCTGCAGGAGGGCAGTGGACTCCTGGTATCTTCTGCAGCTTTTACCCTCTCTGCAGGCGCT TGCTGCCATACCAGA	-40.6	Novel-mir-369-5p	-	TGGTAAATGCTCTGCAGGGAG GGC	-
Novel-mir-370-1	CACCCTGCAGTGGTAAATGCTCTGCGGAGAGGGCAGTGGTGTCTGGTATCTTGTCTGCAGCTTTTACCCTCTCTGCAGGCACT TGACAGTCCATAGCAG	-39.3	Novel-mir-370-5p	-	TGGTAAATGCTCTGCGGAGAG GGC	-
Novel-mir-370-2	CACCCTGCGGTGGTAAATGCTCTGCGGAGAGGGCAGTGGAGTCTGTTTACTGTCTGTTTACTGCTTTTCTGCATTGTTGCAC TGTTTGTGA	-30.7 2	Novel-mir-370-5p	-	TGGTAAATGCTCTGCGGAGAG GGC	-
Novel-mir-370-3	CACCCTGTGGTGGTAAATGCTCTGCGGAGAGGGCAGTGGAGTCTGGTATCTTCTGCAGCTTTTACCCTCTCTGCAGGTGCT TGTGG	-37.5	Novel-mir-370-5p	-	TGGTAAATGCTCTGCGGAGAG GGC	-
Novel-mir-370-4	AACCCTACGGTGGTAAATGCTCTGTAGAGAGGGCAGCGGAGCCCTGGTATCTTCTGCAGCCTTTACCATTCTCTGCAGGTGC	-34.3	Novel-mir-370-5p	-	TGGTAAATGCTCTGTAGAGAG GC	-
Novel-mir-370-5	CACCCTGCGGTGGTAAATGCTCTGTAGAGAGGGCAGTGGAGTCTGGTATCTTCTACAGCTTTTACCCTCTCTGCAGGTGC	-43.7	Novel-mir-370-5p	-	TGGTAAATGCTCTGTAGAGAG GC	-
Novel-mir-370-6	CACCCTGCGGTGGTAAATGCTCTGTAGAGAGGGCAGTGGAGTCTGGTATCTTCTGCAGCTTTTACCCTCTCTGCAGGCGC	-39.3	Novel-mir-370-5p	-	TGGTAAATGCTCTGTAGAGAG GC	-
Novel-mir-370-7	CACCCTGCGGTGGTAAATGCTCTGTAGAGAGGGCAGTGGAGTCTGGTATCTTCTGCAGCTTTTACCCTCTCTGCAGGTGC	-39.5	Novel-mir-370-5p	-	TGGTAAATGCTCTGTAGAGAG GC	-
Novel-mir-370-8	TTCCCTGTGGTGGTAAATGCTCTGTAGAGAGGGCAGTGGAGTCTGGTATTTTCTCGGTAGTCTTTACCCTCTTTGCAGGTGC	-30.9	Novel-mir-370-5p	-	TGGTAAATGCTCTGTAGAGAG GC	-
Novel-mir-370-9	CACCCTGCAGTGGTAAATGTTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTCCGACGTCTTTACCCTCTCTGCAGGCGC	-34.2	Novel-mir-370-5p	-	TGGTAAATGTTCTGCAGAGAG GC	-
Novel-mir-370-10	CACCCTGCGGTGGTAAATGTTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTGCAGCCTTTACCCTCTCTGCAGGCGCT TGTGG	-41.5	Novel-mir-370-5p	-	TGGTAAATGTTCTGCAGAGAG GC	-
Novel-mir-370-11	CACCCTGCGGTGGTAAATGTTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTGCAGCTTTTACCCTCTTTGTGGACGCTT GCAGTCCA	-39.8	Novel-mir-370-5p	-	TGGTAAATGTTCTGCAGAGAG GC	-
Novel-mir-371	CGCTCTGCGGTGGTAAATCTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTCCACAGCTTTGACCCTCTCTGCAGGCGCT TGCGGTCCATAGCA	-38.7	Novel-mir-371-5p	-	TGGTAAATCTCTGCAGAGAG GC	-
Novel-mir-372	CACCCTGCGGTGGTAAATGCTCTGCAGAGAGGGCAGTGGAGTCTGGTATCTTCTGAAGTCTTTGCCACTCTCTGCAGGCGCT TGCGGTCCGTAGCAG	-53.1	Novel-mir-372-5p	-	TGGTAAAGTCTCTGCAGAGAG GC	-
Novel-mir-373	GTGTCGGATGTGGTAGTCTGAAGCACAGGACGGTCTTCCCCCTTCTGTTACCCTCTACACGTCGGACTT	-22.8	Novel-mir-373-5p	-	TGGTAGTCTGAAGCACAGGAC GGT	-
Novel-mir-374	GTGGGGTTTATGGTATTATCTGGGTGCTGCACGCCCTCGCCAGTGTGTAATTATTTCTTGTATTATTAGGATGGCAGCCACTAAAT TT	-18.7 4	Novel-mir-374-5p	Novel-mir-374-3p	TGGTATTATCTGGGTGCTGCA CG	TTGTTATTAGGATGGCAGC
Novel-mir-375	CGACGGGTGCTGGTATTGGAGACCCAGCCGAGAAAAGCCCGGCCCTCGACTGGTGGTCTGCTGTGGCACGGGGCCGG	-31.8	Novel-mir-375-5p	Novel-mir-375-3p	TGGTATTGGAGACCCAGCC GAGG	TCGACTGGTGGTCTGCTGTGGC
Novel-mir-376	TACCTTGCGGTGGTGAATGCTCTGCAGAGAGGGCAGTGGAGTCTGGTATTTTCCCTGCAGCTTTTACCCTCTCTGCAGGCGCT TGTGGTCCATAGCAGTTGT	-40.6	Novel-mir-376-5p	Novel-mir-376-3p	TGGTGAATGCTCTGCAGAGAG GGC	CACTCTGCAGGCGCTTGTGGT CCA
Novel-mir-377	GATATGAGTATGGTAAATCTCAGCTGCCTGACATTGAGAAAGAGGTGCACCGTAGATTAAGGCATTTTAGTGCCTGCGCAGGA TTTGTGCCCTGCACT	-24.7	Novel-mir-377-5p	-	TGGTAAATCTCAGCTGCCTGA CA	-
Novel-mir-378	CAGTTGGTTTTGGTTGTAGACTGTTTTAGGGGATTACTGCATGATCTTCCGGAGTGATAATCGATGCAAGCGTAATCCAGCAGA	-20	Novel-mir-378-5p	-	TGGTTGTAGACTGTTTTTAGG	-
Novel-mir-379	ACTGAGTTCCTGGTTTGAAGAAGTGGACGTGGCTTTATAATAGAATAGAGCCTTTACTATTAAGTGGCTATGTTCCACAGGCTTTTA AGGTTGCTGGAAT	-27.6	Novel-mir-379-5p	-	TGGTTTGAAGAAGTGGACGTG GC	-
Novel-mir-380-1	TCGGAGTTCCTGGTTTGAAGAAGTGGATGAGGCTTTATAATAGTGTACAGCCTTTATACAGTAAGTTATAGTTCAATTTCTGTGGAA CATTTA	-22.2	Novel-mir-380-5p	-	TGGTTTGAAGAAGTGGATGAG GC	-
Novel-mir-380-2	TCTGAGTTCCTGGTTTGAAGAAGTGGATGAGGCTTTATAATAGAATAGAGCCTTTACCGGTTTAGCATACTACTAAGTCTCTG	-25.3	Novel-mir-380-5p	-	TGGTTTGAAGAAGTGGATGAG GC	-
Novel-mir-380-3	GTTTAGCATTAGCTCGCAGCACACACATGCCTCCCAATTCAGCAATGTGGTTTTGTTGAGGTGCTGGAATAAATTCGTCA	-21.6	Novel-mir-380-3p	-	TGGTTTTGTTGAGGTGCTGGA AT	-
Novel-mir-380-4	GTTTAGCATTAGCTCGCAGGCCACACACGCCTCCCAATTCAGCAATGTGGTTTTGTTGAGGTGCTGGAATAAATTCGTCTG	-20.5	Novel-mir-380-3p	-	TGGTTTTGTTGAGGTGCTGGA AT	-
Novel-mir-380-5	GTTTAGCATTAGCTCGCAGGCCACACACGCCTCCCAATTCAGCAATGTGGTTTTGTTGAGGTGCTGGAATAAATTCGTCTG	-21.2	Novel-mir-380-3p	-	TGGTTTTGTTGAGGTGCTGGA AT	-
Novel-mir-381	TTGCCACATGTGAAATGTATGGTCTGGCAGGAGTACCACCTCTTTTGTAAAAGACTGAGCCGTAGAATGTGAAAC	-18.1	Novel-mir-381-5p	Novel-mir-381-3p	TGTAATGTATGGTGGCAGG AG	TTTGTAAAAGACTGAGCCGTAGA AT
Novel-mir-382-1	CACCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GAAAGTCAAAA	-32.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGA G	-

Novel-mir-382-2	CAGCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATACA GGAAGGTCAAAA	-32.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-382-3	CAGCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-32.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-382-4	CAGCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAATGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-33.1	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-382-5	CAGCAGCCGCTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-32.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-382-6	CCCCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAACAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-33.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-382-7	CCCCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-32.2	Novel-mir-382-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-383	CAGCAGCCACTGTAACAGGAAGAGTGGCAGAGATTCTCAAAGCAACCCACATGTTGGGGTAAATTTCTGCCAGCTTCTTCTCATGCA GGAAGGTCAAAA	-32.5	Novel-mir-383-5p	-	TGTAACAGGAAGAGTGGCAGAG	-
Novel-mir-384	TCTCCACAGATGTAATTCAGAGTGGACGACGGTGTGGAAAGGAGCCGTTCCAGTGTGTTGCCTGGAATGACTACTCTCTGCCTG CA	-27.5	Novel-mir-384-5p	-	TGTAATTCAGAGTGGACGACGG	-
Novel-mir-385-1	TTCTCAGTCTGTACTTTGCAGCTTTGACTCTGTCTCATTGCCTGATTTGAATGCAAGACAGCAAGCATGCAGCATGGCGTACCT GCTGTGTGC	-25.6	Novel-mir-385-5p	-	TGTAATTCAGAGTGGACGACGG	-
Novel-mir-385-2	TTCTCAGTCTGTACTTTGCAGCTTTGACTCTGTCTCGTGCCTGATCTGAATGCATGAGAGTGATAATGCAGCATGGCGTACCT GACTGTTTTA	-22.3	Novel-mir-385-5p	-	TGTAATTCAGAGTGGACGACGG	-
Novel-mir-386	CAGTCATTGGTGTAGAGTGAACACAGCAGAGGGTCCAATGTCGGATGCTGGATGGTTTTCCAGCTGCACCTGTTCAAA	-26.2	Novel-mir-386-5p	-	TGTAGAGTGAACACAGCAGAG	-
Novel-mir-387	CAGACAAGTCTGAGGCTGTACAGAATGCTGGGTTCCCTTTAGAGGATTCTGTGGTTTTCTGAAGATGTACACTGG	-18.7	Novel-mir-387-5p	-	TGTAGGCTGTACAGAATGTCTG	-
Novel-mir-388-1	AGAGATCTGTTGATTAGAAGATGTTGGTGTAGCCAGGATGCTCCTCAGGCTGTTAAATGCAAGGTTAGTTAAAGCAGAGAAAGG CGG	-19.2	Novel-mir-388-5p	Novel-mir-388-3p	TGTATTAGAAGATGTTGGTGTA GC	TAAATGCAAGGTTAGTTAAAGCA G
Novel-mir-388-2	AGAGGCTGTTGATTAGAAGATGTTGGTGTAGCCAGGATGCTCCTCAGGCTGTTAAATGCAAGGTTAGTTAAAGCAGAGAAAGG TGCA	-21.9	Novel-mir-388-5p	-	TGTATTAGAAGATGTTGGTGTA	-
Novel-mir-389-1	ACCTTATAAATGATTAGGTTCTGTGTGGCGGGGGAACTCCACTTTCCAGCGCCTGTGTGTGTGTCTGGA	-20.6	Novel-mir-389-5p	-	TGTATTAGGTTCTGTGTGGCGG	-
Novel-mir-389-2	ACCTTATAAATGATTAGGTTCTGTGTGGCGGGGGAACTCCACTTTCCAGCGCCTGTGTGTGTGTGTCTGGA	-24.3	Novel-mir-389-5p	-	TGTATTAGGTTCTGTGTGGCGG	-
Novel-mir-389-3	ACCTTATAGATGATTAGGTTCTGTGTGGCGGGGGAAACTCCACTTTCCAGCGCCTGTGTGTGTGTCTGGA	-18.1	Novel-mir-389-5p	-	TGTATTAGGTTCTGTGTGGCGG	-
Novel-mir-390	GTTAGTATCTTGATTTCTTTGATGCTATTATTCTGTGCATATTGCTGCTGTAGAGGCTCAATGAAAATGGCAATAGAGATGGTGAG AGTGGGCA	-18.6	Novel-mir-390-5p	-	TGTATTCTTTGATGCTATTATT	-
Novel-mir-391-1	ACATGCTGTCTGATTGGGCAGTTCGTGGGAGAGATTGCTCTGTAAAGTCCCTAGAACAATGAGTAGAGAGTCCAGGATGTT	-23	Novel-mir-391-5p	-	TGTATTGGGCAGTTCGTGGGA GA	-
Novel-mir-391-2	ACATGCTGTCTGATTGGGCAGTTCGTGGGAGAGATTGCTCTGTAAAGTCCCTAGAACAATGAGTAGAGAGTCCAGGATGTT	-25.4	Novel-mir-391-5p	Novel-mir-391-1-3p	TGTATTGGGCAGTTCGTGGGA GA	TCCTAGAACAATGAGTAGGAGA
Novel-mir-391-3	ATGTGCTGTCTGATTGGGCAGTTCGTGGGAGAGATTGCCCTGTTAATGTCCTTAGAACAATGAGTAGAGAGTCCAGGATGTT	-20.5	Novel-mir-391-5p	Novel-mir-391-2-3p	TGTATTGGGCAGTTCGTGGGA GA	CCCTAGAACAATGAGTAGGAGA
Novel-mir-391-4	ATGTGCTGTCTGATTGGGCAGTTCGTGGGAGAGATTGCTTTGTTAAAGTCCCTAGAACAATGAGTAGAGAGTCCAGGATGTTCC	-22	Novel-mir-391-5p	Novel-mir-391-3-3p	TGTATTGGGCAGTTCGTGGGA GA	TCCTAGAACAATGAGTAGGAGAT C
Novel-mir-392	AGAGCAGTGTCTGTTCTTGTGTGTCACCTGTTGAGAGATGCTACACAGTGTATTCAAGTTCGTGCATATTACACAAGGCCCT CATGTTGTAACATA	-20.7	Novel-mir-392-5p	Novel-mir-392-3p	TGTCACCTGTTGAGAGATGCTC A	TGCATATTACACAAGGCCCTCAT G
Novel-mir-393	GTTTGTGGGATGTCATGTAATCACTTTGGATCGAGTGTTCAGAGACAGGATATCCCTATTTAGTGTCTTCATTTGAATCTGTCT TTGCA	-22	Novel-mir-393-5p	-	TGTCATGTAATCACTTTGGAT CG	-
Novel-mir-394-1	CTAGTCTCCGTGCCAGAGATCGGGCCGTCGGGGCCCTGCCTTCGACTGCTGCCAATCCACTATGCACCGGCCAGTCCAGA	-25.6	Novel-mir-394-5p	-	TGCCAGAGATCGGGCCGTCG G	-
Novel-mir-394-2	CTAGTCTCCGTGCCAGAGATCGGGCCGTCGGGGCCCTGCCTTCGACTGCTGCCAATCCACTATGCACCGGCCCTTATGGAT CCT	-26.4	Novel-mir-394-5p	-	TGCCAGAGATCGGGCCGTCG G	-
Novel-mir-394-3	CTAGTCTCCGTGCCAGAGATCGGGCCGTCGGGGCCCTGCCTTCGACTGCTGCCAATCCACTATGCACCGGCCCTTATGGAT CCT	-29.8	Novel-mir-394-5p	Novel-mir-394-3p	TGCCAGAGATCGGGCCGTCG G	GACTGCTGCCAATCCACTGTGC ACC
Novel-mir-395	GCTTGGCCGTGCTATGTGATGCTGGACCAGGCTCGTCCGGTGCAGTCTCATCACAGGCAGCAAAAATGTCCAAGA	-28	Novel-mir-395-5p	-	TGTCTATGTGATGCTGGACCAG GC	-

Novel-mir-414	TGGGGTCTGATGTGTGATGTGGGCAAGCAGCCAGCCGCTCAATGGCCGGGTCTCTATAGCACAGGGTAGCGGCTCCAG	-26.5	Novel-mir-414-5p	-	TGTGTGATGTGGGCAAGCAGC	-
Novel-mir-415	CTGCATCGCTTGTGTGACGACCGTTTAAAGCCATTATAATGTGTGCAGTTTTACTATTGCTCGGCCAATGACGCAACATGCCT	-22.1	Novel-mir-415-5p	Novel-mir-415-3p	TGTGTGACGACCGTTTAAAGCCCA	TCACTATTGCTCGGCCAATTGCA
Novel-mir-416	AAGGTCAAGATGTGTTCTTAGAATTTACAGATGAAAAGTCCCTGGGGCAAAAATCATCAATGAGGGGTGAGAACGAGTCAACCG	-19.4	Novel-mir-416-5p	-	TGTGTTCTTAGAATTTACAGAT	-
Novel-mir-417	TTAGCCGCCATGTGTTGGAGTTTACCCAGTGAACGAGAGGGTTCGCTTCCCTGCGCCTTCGAGTCAAGGATAGTCTCTCAATGCC	-29.4	Novel-mir-417-5p	-	TGTGTTGGAGTTTACCCAGTGA	-
Novel-mir-418	TTAGCCGCCATGTGTTGGAGTTTACCCAGTGAACGAGAGGGGTTCGCTTCCCTGCGCCTTCGCGCCGGGTTAGTCTCTCACT	-33.1	Novel-mir-418-5p	-	TGTGTTGGAGTTTACCCAGTGA	-
Novel-mir-419-1	CTGCCACCGCTGTGTTGACTGTAAGGATGGTATTAATAAGTGATGCTCAATGCCTGGTTTTCTCCACACATGCAGTTGGAACTG	-28.5	Novel-mir-419-5p	-	TGTGTTGACTGTAAGGATGGT	-
Novel-mir-419-2	TTCCACCTCTGTGTTGACTGTAAGGATGGTGTCTTAGGGTCATACTCAGCATTTTTCTTCCCAACACAGCGAGTCAAGT	-21	Novel-mir-419-5p	-	TGTGTTGACTGTAAGGATGGT	-
Novel-mir-420	AGGTCCAACATGTTATAGAAGACGACGACTGCCATCTGTGGTGGTGGCTCTTGTGGAGTACTGTCTGATCA	-23.8	Novel-mir-420-5p	-	TGTTATAGAAGACGACGACTGC	-
Novel-mir-421-1	CTAGAGAGGGTGTATGAGCATATCCACCCAGGGCAACAAGTGGCTCCAGTCCCCTGGTGGAGAACTGGTAACACAGCGGAGG	-29.8	Novel-mir-421-5p	Novel-mir-421-3p	TGTTATGAGCATATCCACCCA	TGGTGAGAACTGGTAACACA
Novel-mir-421-2	CTAGAGAGTGTGTTATGAGCATATCCACCCAGGGCAACAAGTGGCTCCAGTCCCTGGTGGAGAACTGGTGACACAGCGGAGGG	-32.7	Novel-mir-421-5p	Novel-mir-421-3p	TGTTATGAGCATATCCACCCA	TGGTGAGAACTGGTGACACA
Novel-mir-422	TAAAAGTGGGTGTTCAACTATGGCTGTGGATATTGGCTGTTCCCTACTCCAGTCCGAGTGGCATCCATAGGCC	-23.2	Novel-mir-422-5p	-	TGTTCAACTATGGCTGTGGAT	-
Novel-mir-423	ACATTAACACTGTTTCATCGATGGAGTCCAGGTGGAGAGGGTGGCCGCTTTTGGGTTCTGGGCGTCATCTTTGAGCAGCACCTGAC	-34.2	Novel-mir-423-5p	-	TGTTTCATCGATGGAGTCCAGGT	-
Novel-mir-424-1	ATTAAGCCACTGTTTCATCGATGGAGTCCAGGTGGAGAGGGTGGCCGCTTTTGGGTTCTGGGCGTCATCTTTGAGCAGCACCTGAC	-36	Novel-mir-424-5p	-	TGTTTCATCGATGGAGTCCAGGT	-
Novel-mir-424-2	ATTAAGCCACTGTTTCATCGATGGAGTCCAGGTGGAGAGGGTGGCCGCTTTTGGGTTCTGGGCGTCATCTTTGAGCAGCACCTGAC	-40	Novel-mir-424-5p	-	TGTTTCATCGATGGAGTCCAGGT	-
Novel-mir-425	AGGTGGTCTTGTCTTTGATCGTTCTGTCCACCTCTCTATTGACCAGGCTCCCGCAATCAAAAAGTGGATGCCCTC	-22.5 4	Novel-mir-425-5p	-	TGTTCTTTGATCGTTCTGTCT	-
Novel-mir-426	TTATATCGGGTGTGAAGATGTCTGTAAGGGCAGAGGGGCGCCGATGATCTTCTGGCTGTTTTCACTATGCGTTGTAGG	-26.4	Novel-mir-426-5p	-	TGTTGAAGATGTCTGTAAGGG	-
Novel-mir-427	CTGAGTCAGCTGTTTAGAAGTCTGATGGCAGAGGAAAGAAAGATTTTTCACTCTAAGGTCCTGCATTTACATTTCTGAGCTCCG	-28.2	Novel-mir-427-5p	-	TGTTTAGAAGTCTGATGGCAGA	-
Novel-mir-428	TCCTGTCAGCTGTTTAGGAGTCCGATGGCAGAGGGAAAGAAAGATTTTTCACTCTAGAGTCTGCATTTACACTTCTGAACTCT	-29.1	Novel-mir-428-5p	Novel-mir-428-3p	TGTTTAGGAGTCCGATGGCAGA	GCATTTACACTTCTGAACTCTG
Novel-mir-429	CTCAGTCAGCTGTTTAGGAGTCCGATGGCAGAGGGAAAGAAAGATTTTTCACTCTAAGGTCCTGCATTTACACTTCTGAGCCTC	-25.6 1	Novel-mir-429-5p	Novel-mir-429-3p	TGTTTAGGAGTCCGATGGCAGA	CTGCATTTACACTTCTGAGCCT
Novel-mir-430	CTGAGTTAGCTGTTTAGGAGTCTGATAGCAGAGGGGAAGGAAGAGTCTTCACTCTAGAGTCTGCATTTACACTTCTGATCCTC	-23.4	Novel-mir-430-5p	-	TGTTTAGGAGTCTGATAGCAGA	-
Novel-mir-431	ACTCCTCAGCTGTTTAGGAGTCTGATGCAGAGGAAAGAAAGATTTTTCACTCTAGAGTCTGCATTTACACTTCTGAACTCTC	-22.2	Novel-mir-431-5p	-	TGTTTAGGAGTCTGATAGCAGA	-
Novel-mir-432	AGGTAGATCCTGTTTAGGAGTCTGATGGCAAGGGAAAGAAAGAGTTTTCACTCTAGAGTCTGCATTTACACTTCTGAGCCTC	-22.9	Novel-mir-432-5p	-	TGTTTAGGAGTCTGATGGCAAA	-
Novel-mir-433-1	ACTCCTCAATTTTAGGAGTCTGATGGCAGAGAGAAAGAAAGATTTTTCACTCTAGAGTCTGCATTTACACTTCTGAACTCTC	-26.2 2	Novel-mir-433-5p	-	TGTTTAGGAGTCTGATGGCAGA	-
Novel-mir-433-2	ACTCCTCAGCTGTTTAGGAGTCTGATGGCAGAGAGATTTTTCACTCTAGTGGTCTGCATTTACACTTCTGAACTCTGAGCAGAG	-23.5 1	Novel-mir-433-5p	-	TGTTTAGGAGTCTGATGGCAGA	-
Novel-mir-433-3	CTGAGTCAGCTGTTTAGGAGTCTGATGGCAGAGAGAAAGAAAGATTTTTCACTCTAGAGTCTGCACACTTCTGAACTCTGAGC	-26.4	Novel-mir-433-5p	-	TGTTTAGGAGTCTGATGGCAGA	-
Novel-mir-433-4	GTGGTCAGCTGTTTAGGAGTCTGATGGCAGAGATTTTTCACTCTAGTGGTCTGCATTTACACTTCTGAGCCTCCGACCGGAG	-28.1 2	Novel-mir-433-5p	Novel-mir-433-3p	TGTTTAGGAGTCTGATGGCAGA	TGCATTTACACTTCTGAGCCTC
Novel-mir-433-5	CTGAGTCAGCTGTTTAGGAGTCTGATGGCAGAGAGAAAGAAAGATTTTTCACTCTAGTGGTCTGCATTTACACTTCTGAACTCTC	-27.5	Novel-mir-433-5p	-	TGTTTAGGAGTCTGATGGCAGA	-
Novel-mir-433-6	GTGGTCAGCTGTTTAGGAGTCTGATGGCAGAGATTTTTCACTCTAGTGGTCTGCATTTACACTTCTGAGCCTCCGACCGGA	-28.1 2	Novel-mir-433-5p	-	TGTTTAGGAGTCTGATGGCAGA	-

Novel-mir-434	CTGAGTCAGCTGTTTAGGAGTCTGATGGCAGGGGAAAGAAAGAGTTTTTCAGTCTAGAGGTCCTGGATTTACACTGCTGAGCCT CAAACCGGA	-22.9	Novel-mir-434-5p	-	TGTTTAGGAGTCTGATGGCAGG GG	-
Novel-mir-435	CTGAGTCAGCTGTTTAGGAGTCTGATGGCCGAGGGAAAGAAAGAGTTTTTCAGTCTAGTGGTCGCAATTTACACTTCTGAACCTC TGCCAGAAAGGTAG	-33.7	Novel-mir-435-5p	-	TGTTTAGGAGTCTGATGGCAT	-
Novel-mir-436	CTGAGTCAGCTGTTTAGGAGTCTGATGGCATAGGGAATGAAAGAGTTTTTCAGTCTAGTGGTCTGCATTTACACTTCTGAACCTCC GACTGGA	-23.9	Novel-mir-436-5p	-	TGTTTAGGAGTCTGATGGCATA	-
Novel-mir-437-1	ACTCCTCAGCTGTTTAGGAGTCTGATGGCCGAGGGAAAGAAAGAGTTTTTCAGTCTAGTGGTCTGCATTTACACTTCTGAATCTC CGGCCAGAGGGCA	-29.8	Novel-mir-437-5p	Novel-mir-437-3p	TGTTTAGGAGTCTGATGGCCGA GG	TGCATTTACACTTCTGAATCTCC GG
Novel-mir-437-2	ATGCCTCAGCTGTTTAGGAGTCTGATGGCCGAGGGAAAGAAAGAGTTTTTCAGTCTAGAGTCTGCATTTACACTTCTGAATCTC CGGCCAGAGGGCA	-29.7	Novel-mir-437-5p	Novel-mir-437-3p	TGTTTAGGAGTCTGATGGCCGA GG	TGCATTTACACTTCTGAATCTCC GG
Novel-mir-437-3	ACTCTTCAGCTGTTTAGGAGTCTGATGGCCGAGGGAAAGAAAGAGTTTTTCAGTCTTACCACCTCTGCAAGGCTCTTGGGTCCT AGCGGTA	-29.5	Novel-mir-437-5p	Novel-mir-437-3p	TGTTTAGGAGTCTGATGGCCGA GG	CTCTCTGCAGGCTCTTGGGTT
Novel-mir-438-1	ACTCCTCAGCTGTTTAGGAGTCTGATGGTAGAGGCAAGAAAGAGTTTTTCAGTCTAGAGTCTGCATTTACACTCCGGCCAGAG TGTAGGAAG	-28.5	Novel-mir-438-5p	-	TGTTTAGGAGTCTGATGGTAGA	-
Novel-mir-438-2	ACTCCTCAGCTGTTTAGGAGTCTGATGGTAGAGGCAAGAAAGAGTTTTTCAGTCTAGTGGTCTGCATTTCAAACCTCTAAGGGTA GGGAGG	-26.5	Novel-mir-438-5p	-	TGTTTAGGAGTCTGATGGTAGA GG	-
Novel-mir-438-3	ACTCCTCAGCTGTTTAGGAGTCTGATGGTAGAGGCAAGAAAGAGTTTTTCAGTCTGGAGTCTACACTTAACACTTCTGAACCTC CGGTCAGAGGGTA	-25.4	Novel-mir-438-5p	-	TGTTTAGGAGTCTGATGGTAGA GG	-
Novel-mir-438-4	ACTCCTCAGCTGTTTAGGAGTCTGATGGTAGAGGCAAGAAAGAGTTTTTCGGTCTAGTAGTGTGCATTTACACTTCTGAACCTCT GGCCAGAGGGTA	-28	Novel-mir-438-5p	Novel-mir-428-3p	TGTTTAGGAGTCTGATGGTAGA GG	GCATTTACACTTCTGAACCTCTG GC
Novel-mir-439-1	ACTCCTCAGCTGTTTAGGAGTCTGATTGCAGAGGGAAAGAAAGAGTTTTTCAGTCTGGAGTCTACACTTCTGAACCTGCGGCCAG AGGTTAGGGAGA	-31.3	Novel-mir-439-5p	-	TGTTTAGGAGTCTGATTGCAGA	-
Novel-mir-439-2	ACTCCTCAGCTGTTTAGGAGTCTGATTGCAGAGGAAATAAGAGTTTTTCAGTCTGGAGTCTACACTTCTGAACCTTCTGAACCTTC GGCCAGAAAGGTAG	-25.7	Novel-mir-439-5p	-	TGTTTAGGAGTCTGATTGCAGA GG	-
Novel-mir-440-1	CTGAGTCAGCTGTTTAGGAGTGTGATGGCAGTCGGTTTTTCAGCCTAGAGGTCCTGCATTTACACGCTGAGCCTCCGACCGGA	-30	Novel-mir-440-5p	-	TGTTTAGGAGTCTGGTGGCAGA GG	-
Novel-mir-440-2	CTGAGTCAGCTGTTTAGGAGTCTGGTGGCAGAGGGAAAGAAAGAGTTTTTCAGTCTAGAGGTCCTGTCTTTACACTTCTGAGCCTC TGAAGGTA	-28.9	Novel-mir-440-5p	-	TGTTTAGGAGTCTGGTGGCAGA GG	-
Novel-mir-441	TCCTGTCAAGCTGTTTAGGAGTCTGTTGGCAGAGGGAAAGAAAGAGTTTTTCAGCCTAGAGGTCATGCATTTACACTTCTGAACCTC CGGCCGAG	-27.6	Novel-mir-441-5p	-	TGTTTAGGAGTCTGTTGGCAGA GG	-
Novel-mir-442-1	ACTCCTCAGCTGTTTAGGAGTGTGATGGCAGAGGGAAAGAAAGAGTTTTCAGTCTAGAGTCTACACTTACACTTCTGAACCTC CGGCCAGAGGGTA	-27.5	Novel-mir-442-5p	-	TGTTTAGGAGTGTGATGGCAGA GG	-
Novel-mir-442-2	TCCTGTCAAGTGTGTTTAGGAGTGTGATGGCAGAGGGAAAGAAAGAGTTTTCAGTCTAGAGGTCCTGTATTTACACTTCTGTACCTCT GGCCTGAGGGT	-30.7	Novel-mir-442-5p	-	TGTTTAGGAGTGTGATGGCAGA GG	-
Novel-mir-443	CTGAGTCAGCTGTTTAGGAGTGTGATGGCAGTGGAAAGAAAGAGTTTTTCAGTCTGGAGTCTGCATTTACACTTCTGAGCCTC TGACCAGAGCACA	-34.4	Novel-mir-443-5p	Novel-mir-182-3p	TGTTTAGGAGTGTGATGGCAGT AG	CATTTACACTTCTGAGCCTCTGA
Novel-mir-444	AGTAGCCGGGTGTTTACCAACCGCAGGAGGTGAGGAGATGGAGAGCTGGCCGAGCTGTGATGGTGGGGTCACTCCTGGGCTG GTCGAC	-30.2	Novel-mir-444-5p	Novel-mir-444-3p	TGTTTAGGAGTGTGATGGCAGT AG	TGTGATGGTGGGGTCACTCCTGG
Novel-mir-445-1	CTGGAGGAAGTGTGTTGGAGAGAGGGAAGTCTGGGCATCTTGTCTAGACTGCTGCCCGCGACCCAGTCCAGATA	-28.8	Novel-mir-445-5p	-	TGTTTAGGAGAGGGGAAGTCT GG	-
Novel-mir-445-2	CTGGAGGAAGTGTGTTGGAGAGAGGGAAGTCTGGGCATCTTGTCTAGACTGCTGCCCGCGACTCGTCCCGGA	-27.2	Novel-mir-445-5p	-	TGTTTAGGAGAGGGGAAGTCT GG	-
Novel-mir-446-1	ATTAAGTGATTGTTTAGTGTGGGACCCGTGATGTTCTACAAGAGGGTCTGGCAAGGATGTAATAGTTGTTGTCT	-18.9	Novel-mir-446-5p	-	TGTTTAGTGTGGGACCCGT AG	-
Novel-mir-446-2	ATTACGAGATTGTTTAGTGTGGGACCCGTGATGTTCTACAATAGGGTCTGGCAAGGATGTAATAGTTGTTGT	-20.3	Novel-mir-446-5p	-	TGTTTAGTGTGGGACCCGT AG	-
Novel-mir-446-3	ATTGTTGATTGTTTAGTGTGGGACCCGTGATGTTCCACAATAGGGTCTGGCAAGGATGTAATAGGAGTGTGTTAGATTTTCATTT CATA	-20.9	Novel-mir-446-5p	-	TGTTTAGTGTGGGACCCGT AG	-
Novel-mir-447	TGAAGAGTTTTTAAGATTGATAGATAAGCATGCACCGTCCGCTCTTTAGAGTGAAGGGCGTGATAATCTTGGTTTTGTTGGAA ATTGGTAA	-26.3	Novel-mir-447-5p	-	TTAAGATTGATAGATAAGCATG CA	-
Novel-mir-448	TGAAGAGTTTTTAAGATTGATAGATAAGCATGCACCGTCCGCTCTTTAGAGTGAAGGGCGTGATAATCTTGGTTTTGTTGGAA ATTGGTAA	-23.9	Novel-mir-448-5p	-	TTAAGATTGATAGATAAGCATG CG	-
Novel-mir-449-1	GGCCTGTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTGTTTCTCTAATTGTGCCAACATTGTCAGCTTCTTTTGGAA GTTCTGTCC	-26.2	Novel-mir-449-5p	-	TTACAATTAGAAGCTGAGGTGG GA	-
Novel-mir-449-2	GGCCTGTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTGTTTCTCTAATTGTGCCAACATTGTCAGCTTCTTTTGGAA GTTCTGTCC	-25.8 2	Novel-mir-449-5p	-	TTACAATTAGAAGCTGAGGTGG GA	-

Novel-mir-449-3	GGCCTGTTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTCTGTTTTTCTAACTGTGCCAACCTTGTGAGCTTTCTTTTGAGAA GTTCTCTGTCC	-28.5	Novel-mir-449-5p	-	TTACAATTAGAAGCTGAGGTGG GA	-
Novel-mir-449-4	GGCCTGTTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTCTGTTTTTCTAAATTATGCCAACCTTGTGAGCTTTCTTTTGAGAA GTTCTCTGTCC	-22.6	Novel-mir-449-5p	-	TTACAATTAGAAGCTGAGGTGG GA	-
Novel-mir-449-5	GGCCTGTTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTCTGTTTTTCTAAATTGTGCCAACCTTGTGAGCTTTCTTTTGAGAA AGITCTCTGTCC	-25.7 4	Novel-mir-449-5p	-	TTACAATTAGAAGCTGAGGTGG GA	-
Novel-mir-449-6	GGTCTGTTCTTTACAATTAGAAGCTGAGGTGGGAGCTCAGTCTCTGTTTTTCTAAATTGTGCCAACCTTGTGAGCTTTCTTTTGAGAA AGITCTCTGTCC	-18.8	Novel-mir-449-5p	Novel-mir-449-3p	TTACAATTAGAAGCTGAGGTGG GA	TGTTTTTCTAAATTGTGCCAACCA TT
Novel-mir-450	TGAGTTAAGTTTACATCCAGGCTGACATCCTCTAACATTAGTAAGCTTACTTCTTAATCACACCGTTTCGGTTGTAACAAGCCAGAAT GTCACATCAT	-18.3	Novel-mir-450-5p	-	TTACATCCAGGCTGACATCCT CT	-
Novel-mir-451	AGCAGGATGTTTACTGGAAGTCTGAGCACAGGTATAACAATACAGCGCTGGGATCAAAGAGACAGAGCTCCCGCA	-20	Novel-mir-451-5p	-	TTACTGGAAGTCTGAGCACAGG TA	-
Novel-mir-452	TTCTGGTGGCTTAGATGTTGGGAGCAGTGGCTGCAGCATGCCAAGTTTCATGTACTTCTCGTACTGGAGT	-20.2	Novel-mir-452-5p	Novel-mir-452-3p	TTAGATGTTGGGAGCAGTGG C	CGAAGTTTCATGTACTTCTCGTA
Novel-mir-453	GACACGTACATTAGTGTACAGGGCAGTGGAAAGTGAATCAAGCAAACAACACATGATACTGTACCTCTGTGTTCTCACTGT AATGTGATATGTG	-26.7 3	Novel-mir-453-5p	-	TTAGTGTGTACAGGGCAGTGG G	-
Novel-mir-454	AAAAAGCCGGTTATCAGGTTGGGAGCTGTCGAGCACATAACTGCAGCAGCAGACTGGTCTTGCCTTTAGCATGGCTAGGC	-28.9	Novel-mir-454-5p	-	TTATCAGGTTGGGAGCTGTCGA GC	-
Novel-mir-455	GTGACTGAACCTTATCGCACACAGCCCACTTAAGCGCCAAAACTCCAGTCTGTGAGCTAGGTATTGTGACTGGGCATGGTTGAGTGA CT	-20.5	Novel-mir-455-5p	-	TTATCGCACACAGCCCACTTAA GC	-
Novel-mir-456	AATCTGGCTTTTATGGAAGAGTGACAAGAAGACCGCATTGTTGAAAGAAAGGAATAAGAGTCTGTTTGCAGTTTGCACACAAGCC ACGTA	-18.5	Novel-mir-456-5p	-	TTATGGAAGAGTGACAAGAAGA A	-
Novel-mir-457	AATCTGGCTTTTATGGAAGAGTGGAAGAAGAAAGCAATAAGAGTCTGTTTGCAGTTTGCACACAAGCCATGTAGGGGACACAG CAA	-24.5	Novel-mir-457-5p	-	TTATGGAAGAGTGGAAGAAGAA A	-
Novel-mir-458	GGTGTCTTGTATGTCAAACTAAACATGTAGCCATTTCAACCTGCTACATGTGCGTAGACGTACACACACGCACCG	-23.7	Novel-mir-458-5p	-	TTATGTCAAACTAAACATGTA GC	-
Novel-mir-459	GAACAGTAGCTTCAACGTGATCGACAGGCATGAGTGAGACCGATCAGCGTTACCATGTGCGGCTGTGTGGAGTTATTTTAA	-22	Novel-mir-459-5p	-	TTCAACGTGATCGACAGGCATG AG	-
Novel-mir-460	GTTTTGCTAGTTACACGAATTCCAAACCGGGTGCATGCCAAATTCATATTTCTTTTGGGAGACTGGCTGGTTCTGTTGGACGGG ATTAATATGA	-22.1	Novel-mir-460-5p	Novel-mir-460-3p	TTACACGAATTCCAAACCGGG TGC	TGGCTGGTTCTGTTGGACGGG
Novel-mir-461-1	TGTCACAGACTTCCAACCTCACGAACAGGTACACCATAAAATAAGCCAAAGTCCAAGGTGTGCCATGCTCATGGGTAGGACCAGCC ACAGATTATGTGAGA	-25.8	Novel-mir-461-5p	-	TTCCAACCTCACGAACAGGTACA CC	-
Novel-mir-461-2	CGTCACAGATTTCCAACCTCACGAACAGGTACACCATAAGATAAGACAAAGTCCGAGGTGTGCCATGCTCATGGGTAGGACCAGCC ATAGATTGATGAAA	-25	Novel-mir-461-5p	-	TTCCAACCTCACGAACAGGTACA CC	-
Novel-mir-462	CCTCTGGGCTTCTGTCTGTCCCAAGGTGAACGTGTCGATTTGTCTTGGGCGAGGTTGAGGAACGTGAAGCTCGCACCTTCGTG GA	-24.9	Novel-mir-462-5p	-	TTCTGTCTGTCCCAAGGTGAAC CC	-
Novel-mir-463-1	GTGTGTGCTTTCTAACTCTGTCCAGTCGGCCAGTTTGGCCACAGGTGGATCCAGTCTGGTTCTAGACACACTT	-25.2	Novel-mir-463-5p	-	TTCTAACTCTGTCCAGTCGGC CC	-
Novel-mir-463-2	GTGTGTGCTTTCTAACTCTGTCCAGTCGGCCAGTTTGGCCACAGGTGGATCCAGTCTGGTTCTAGACACACTT	-22.4	Novel-mir-463-5p	-	TTCTAACTCTGTCCAGTCGGC CC	-
Novel-mir-464	CAGATACTCATTCTGATCCTCGGCCCTCTGTCTGATGTCGTATGCCAGTGTGATACACAGACAGGACAGATGTTGTTATGTTAAA ATAGATTAAGTGA	-18.5	Novel-mir-464-5p	-	TTCTGATCCTCGGCCCTCTGT CG	-
Novel-mir-465	ATGGCAGTCTTCTGTGTTATGGTGAACGATGGTTAGAGTGTACGATCTGCTCAGTGTGTTGCTGATCTGCAGAAGCAACATCATGT CATC	-24.3	Novel-mir-465-5p	Novel-mir-465-3p	TTCTGTGTTATGGTGAACGATG GT	CAGTGTGTTGCTGATCTGCAGAA GC
Novel-mir-466-1	GCTGAAGCCATTCTGTTGTGGACTGTCTGCTGGTGTGGTTCATTGCTCTGTCATACCCAACTTCTACGATTTTCAGCT	-24	Novel-mir-466-5p	-	TTCTGTTGTGGACTGTCTGCTGG G	-
Novel-mir-466-2	TCTGAAACCATTCTGTTGTGGACTGTCTGCTGGTGTGGTTCATTGCTCTGTCATACCCAACTTCTACGAGTTTCAGC	-24.9	Novel-mir-466-5p	-	TTCTGTTGTGGACTGTCTGCTGG G	-
Novel-mir-466-3	TCTGGAGCCATTCTGTTGTGGACTGTCTGCTGGTGTGGTTCATTGCTCTGTCATACCCAACTTCTACGAGTTTCAGC	-23.5	Novel-mir-466-5p	-	TTCTGTTGTGGACTGTCTGCTGG G	-
Novel-mir-467	TGACCTCTTCTTCTAGGTGCTGGTGGTGGCAGTGGCACTGCCACTGTTTCAGGACTTCAAGTGTCTTCTCCG	-22.9	Novel-mir-467-5p	-	TTCTTAGGTGCTGGTGGTGGC G	-
Novel-mir-468	GAGGGTCTTCTTCTGGAAGTGGTCTCAAGCTGCATCACCTCATGTTGGTATTGACCTTCTCACTGTGCTCCTCTGTGAT	-22.3	Novel-mir-468-5p	Novel-mir-468-3p	TTCTTGAAGTGGTCTCAAGCT GC	TTGGTATTGACCTTCTCACTGTG TC
Novel-mir-469-1	GGGGCGACCGTCTTTTGTGTGATGGCCCGAGCTTTGGAACCTCTACCGCAAGAGTTACAGTGCATAACCG	-18.4	Novel-mir-469-5p	-	TTCTTTTGTGTGATGGCC C	-

Novel-mir-469-2	GGGGCGACCGTCTTTTCTGTGTATGGCCCCAGACTTTGGAACCTCTACCGCCAAGAGTTACGGTGCATA	-22.3	Novel-mir-469-5p	-	TTCTTTTGCTGTGTATGGCCC	-
Novel-mir-469-3	GGGGCGACTGTCTTTTCTGTGTATGGCCCCAGACTTTGGAACCTCTACCGCCAAGAGATACGGTGCCTAACCA	-24.2	Novel-mir-469-5p	-	TTCTTTTGCTGTGTATGGCCC	-
Novel-mir-470	CCAGTCTCTTTGAAGATCTCTGTACAAAGTCCCGAGTACACAGACGCCTCTGAGACATCCAGACCATGCTGCTCCAGGCTCTCTTG	-22.1	Novel-mir-470-5p	-	TTGAAGATCTCTGTACAAAGTC	-
Novel-mir-471	CAGTGATCTATTGAAGATCTGTGTGAAGATGGGGCCAGCTGATCAGGACAGGTTTTGGCCCGAGGGGGTCACAC	-24.1	Novel-mir-471-5p	-	TTGAAGATCTGTGAAGATGG	-
Novel-mir-472-1	CAGTAACCTGTTGAAGATGAATGTGAAGATGGGGCCAGCTGATCAGCACACACTTTCAGGCAGGAGGGGG	-19.5	Novel-mir-472-5p	-	TTGAAGATGAATGTGAAGATGG	-
Novel-mir-472-2	CAGTGACCTGTTGAAGATGAATGTGAAGATGGGGCCAGCTGATCAGCACACACTTTCAGGCAGGAGGTGCACACC	-22	Novel-mir-472-5p	Novel-mir-472-3p	TTGAAGATGAATGTGAAGATGG	GATCAGCACACACTTTCAGGCAGGAG
Novel-mir-472-3	CAGTGACCTGTTGAAGATGAATGTGAAGATGGGGCCAGCTGATCAGCGCACACTTTCAGGCAGGAGGTGCACACC	-21.6	Novel-mir-472-5p	Novel-mir-472-3p	TTGAAGATGAATGTGAAGATGG	TCAGCGCACACTTTCAGGCAGGA
Novel-mir-473	AGGGATAAGCTTGAAGTATCTTGAAGGCCGGTCTGCTCCTTAATGGCATCAGAGTCAATGAAGGCCGCTTGTCTTGAATTCAA	-26.7	Novel-mir-473-5p	-	TTGAAGTATCTTGAAGGCCGG	-
Novel-mir-474	ATCTGCAAACCTTGACAATGTGGTTGGGGCTGTAGTTGGCACACAGTCTAGTGCAGTGAAGAGCAATGGGCTGAGCACAC	-29.3	Novel-mir-474-5p	-	TTGACAATGTGGTTGGGGCTGT	-
Novel-mir-475	CTGCTTGCCCTTGAGAAATGGTAAATGAGCCTTTGAAGAGAGAATCGCTCTGTTCTTTGAAATGCCACACCTCGCTTATTTCAACG	-20.7	Novel-mir-475-5p	-	TTGAGAAATGGTAAATGTAGC	-
Novel-mir-476-1	CCTGTGCTTCTTGAGTAAGTTGGTACTGAGGCCACACCTCACCCCTCTGAGCTCTGGGTATACACT	-18	Novel-mir-476-5p	-	TTGAGTAAGTTGGTACTGAGG	-
Novel-mir-476-2	CCTGTGCTTCTTGAGTAAGTTGGTACTGAGGCCACACCTCACCCCTCTGAGCTCTGGGTATACACTTGAGGT	-22.6	Novel-mir-476-5p	-	TTGAGTAAGTTGGTACTGAGG	-
Novel-mir-476-3	TCTCTGTTCCCTTGAGTAAGTTGGTACTGAGGCCACACCTCACCCCTCTGAGCTCTGGGTATACACTTGAGGT	-20.5	Novel-mir-476-5p	-	TTGAGTAAGTTGGTACTGAGG	-
Novel-mir-477	CTCAGTCCCTTTGATGGTCAGAGGCAGAGGAGAGGGGTTCTTCTGAAAGTGTGCTATTATTTTTTTGCTTGTATTATTTGAG	-22.4	Novel-mir-477-5p	-	TTGATGGTCAGAGGCAGCAGA	-
Novel-mir-478	CTCCGTCCCTTTGATGGTCAGAGGTAGCAGAGGGAAGGGGTTCTTCTGACATCTACTGTTATTTCTGTTGCTTGTATTATTTGAGG	-29.7 4	Novel-mir-478-5p	-	TTGATGGTCAGAGGTAGCAGA	-
Novel-mir-479	GATGCAGCAGTTGATGTTGACTTTAAGCTGGACTGTGAAGATCTACTGGATTTTTTTGATGTCTGTGATCTAGCATCACTTGCTCCAA	-23.5	Novel-mir-479-5p	-	TTGATGTTGACTTTAAGCTGGA	-
Novel-mir-480-1	ACTTGCTGTTTTGCTATTTGCTGTGGACATCTGAGATAAAGAAATCTCTGAAGGTGTAAGTCAGTAAATCTAAAATGTATAT	-19	Novel-mir-480-5p	-	TTGCTATTTGCTGTGGACATCT	-
Novel-mir-480-2	ACTTGCTGTTTTGCTATTTGCTGTGGACATCTGAGATAAAGAAATCTCTGAAGGTGTAAGTCAGTAAATCTAAAATGTATAT	-19	Novel-mir-480-5p	-	TTGCTATTTGCTGTGGACATCT	-
Novel-mir-481	CGCAGGCAGCTTGAAGATGAAAGACCTGGACCAAGAAACCTAGATAATTTAATCATTCTGGGCTAACCCCATACTACGCAGGC	-19.2 1	Novel-mir-481-5p	-	TTGAAAAGATGAAAGACCTGG	-
Novel-mir-482	CTAAGAGGATTTGAAAGTCGCCAGATTTAGCGAGAAAGTCGCCAAGTTGGCAACACTGCCACAGTTCATGGGT	-19.2	Novel-mir-482-5p	-	TTGAAAAGTCGCCAGATTTAGC	-
Novel-mir-483-1	CTGGTGCATGTTGAAAGTCAATCTGGAATCGTGGTCTCCATTTCTTGGTCCGTCGCATCAGATCTCAGATGATTCAGTCACACAGCA	-26.2	Novel-mir-483-5p	Novel-mir-483-3p	TTGAAAGTCAATCTGGAATCGT	TCTCAGATGATTCAGTCACACAGCAG
Novel-mir-483-2	GACTCGCATGTTGAAAGTCAATCTGGAATCGTGGTCTCCATTTCTTGGTCCGTCGCATCAGATCTCAGATGATTCAGTCACACAGCA	-22.5	Novel-mir-483-5p	Novel-mir-483-3p	TTGAAAGTCAATCTGGAATCGT	TCTCAGATGATTCAGTCACACAGCAG
Novel-mir-484	TAGAAAGGTGTTGGACATACTAATAGAAACGGGGACTAATCTTCTGTCTCTTCTTGTGTCAGTCTGAGTAT	-27.6	Novel-mir-484-5p	-	TTGGACATACTAATAGAAACGG	-
Novel-mir-485	GCCAAACAGCATTGGACATCAATAAAGGCACATAAACTCTCATTTAGTAGGGCAGTTCCTGATGATTTTTTTGTTGATGCCACAAAA	-23	Novel-mir-485-5p	-	TTGGACATCAATAAAGGCACAT	-
Novel-mir-486	CCGGTTCCTTTTGACCTCAATCTAAGGCGGGGATCTACGTGTGCTTGGACGTGACGGACGAGGAAGTGT	-27.3	Novel-mir-486-5p	Novel-mir-486-3p	TTGGACCTCAATCTAAGGGCG	TGTGCTTGGACGTGACGGACGAG
Novel-mir-487	CAGTGACATGTTGGAGATAAGTGTGAAGATGGGGCCAGCTGATCAGCACACACTTTCAGGCAGGAGGGGGTTCATGC	-20.9	Novel-mir-487-5p	-	TTGGAGATAAGTGTGAAGATGG	-
Novel-mir-488	GTAAAAAAGTGGAGTATATTTGATAGCGGCCAATTTTGATATGCAAAATCAGGGCCATGGTTAAACCACCTTTTTTACC	-23.1	Novel-mir-488-5p	-	TTGGAGTATATTTGATAGCGG	-
Novel-mir-489	TATCTGATTTTGGATTGCATCTGGAGCAGGTTTATTGAGTGAAGTGTGTTAACATTTGTTCCATGTATCTGTGTTTGTGCTGATAC	-20.7	Novel-mir-489-5p	-	TTGGATTGCATCTGGAGCAG	-

Novel-mir-490	GACAGTGTGCTTGGGTGCAGGGAGAAGATGTGGGGAGATCTTAAACACTCATCTATCCACTGCACTCTGACTTTCTGTCT	-30.2	Novel-mir-490-5p	-	TTGGGTGCAGGGAGAAGATG	-
Novel-mir-491	AGATGCTCAATTGGGTTAAGTCGGGGCTCTGGCTGGGCCATTCAAGAACAGTCACAGAGTTGTTGTAAGCCACTCCTTCGTTA	-20	Novel-mir-491-5p	-	TTGGGTTAAGTCGGGGCTCTG	-
Novel-mir-492	CCAGTTGTGTTTGGTGATTTTTCTGTAGACCACACTGCTACGGCAGTGCCTGTTCTTGGTGTCACTGTTGAGAGATGCTCATCAC	-23.5	Novel-mir-492-5p	Novel-mir-492-3p	TTGGTGATTTTTCTGTAGACC	TCTGTTGAGAGATGCTCATC
Novel-mir-493	TATAGTCCCTTGGTGTGAGAGGCAGAGAGGGAGGGTCTTTCTGAAGTCTATTATTATTTCTTTTGTCTTTGTTATGTTGAGG	-18.9	Novel-mir-493-5p	-	TTGGTGTGAGAGGCAGCAGAG	-
Novel-mir-494	CACCTGCGGTTGTAATGCTCTGCAGAGAGGGCAGTGGAGTCTGCTGCTCCGCAACCACTGCGGGTGTGCCGGGG	-38.8	Novel-mir-494-5p	-	TTGTAATGCTCTGCAGAGAGG	-
Novel-mir-495-1	GAGGTGGAGGTTGTAGAGCTGGTGGCAGAGCTTGCTTAGTTTCTGCCCTGCTCCGCAACCACTGCGGGTGTGCCGGGG	-34.8	Novel-mir-495-5p	-	TTGTAGAGCTGGTGGCAGAGC	-
Novel-mir-495-2	GAGTTGGAGGTTGTAGAGCTGGTGGCAGAGCTTGCTAAGCTTCTGCCAGCTCCGCAACATCATCG	-37.4	Novel-mir-495-5p	-	TTGTAGAGCTGGTGGCAGAGC	-
Novel-mir-496	CAGTGACCTGTTGTAGATAAGTGTGAAGATGGGGCCAGCTGATCAGCACAGACTTTCAGACAGGAGGGGTCG	-18.4	Novel-mir-496-5p	-	TTGTAGATAAGTGTGAAGATGG	-
Novel-mir-497	ACAGGCTCCATTGTAGGACCTCTGGGGTAGACGGGGCTTCTCAGTCTAGCCAGAAGCTAGGGGACCCGGGAGGAACGCAGAGG	-41.4	Novel-mir-497-5p	-	TTGTAGGACCTCTGGGGTAGAC	-
Novel-mir-498-1	CATATCTCATTGTATTGTGTGGCATTATGCAAGTAAGATTACATTGCTCCTAACTGTGCACATGATCTGTATAATATTTAGAGGC	-23.2	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-498-2	TATATGTCATTGTATTGTGTGGCATTATGCAAGTAAGATTACATTGCTCCTAACTGTGCACATGATCTGTATAATATTTAGAGGT	-23.2	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-498-3	TATATTTCACTTTGATTGTGTGGCATTATGCAAGTAAGATTACATTGCTCCTAACTGTGCACATGATCTGTATAATATTTAGAGGT	-21.5	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-498-4	TATATTTCACTTTGATTGTGTGGCATTATGCAAGTAAGATTACATTGCTCCTAACTGTGCACATGATCTGTATAATATTTAGAGGC	-20.6	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-498-5	TATATTTCACTTTGATTGTGTGGCATTATGCAAGTAAGATTACATTGCTCCTAACTGTGCACATGATCTGTATAATATTTAGAGGT	-23.9	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-498-6	TATATTTATTTGATTGTGTGGCATTATGCAAGTAAGATTACATTTCTAACTGTGCACATGATCTGTATAATATTTAGAGGT	-18.2	Novel-mir-498-5p	-	TTGTATTGTGGCATTATGCA	-
Novel-mir-499	TTCCAGTTTTTGTAATGAAGAATGCTGTGTGGACATTCTGTTGGAGGTGCAGCTGCAATTTACAGACCTGGAGAA	-26	Novel-mir-499-5p	-	TTGTGAATGAAGAATGCTGTGT	-
Novel-mir-500	AGCCACTCCTTTGTTATCTTGCTGTGGTCTTAGGGTCACTGCTGTTGAAAGATAAACTGTCGCCACAGCTGAGGTCCAGAGTG	-27	Novel-mir-500-5p	-	TTGTTATCTTGCTGTGGTCTT	-
Novel-mir-501	TACAGTACGGTTGTTATTACAGTCGGCGCTAATGACTCCCGACTTCGCCAGTCCGAGGTCCTAAGATTAATGTTGAGTCAGTGTGT	-27.4	Novel-mir-501-5p	Novel-mir-501-3p	TTGTTATTCAGTCGGCGCTAA	TTAATGTTGAGTCAGTGTGTAAT
Novel-mir-502	CTTATGACCTTTGTTGAACCTATAGCCAGGCATCTCAAGGATCAGGCTGCTGTGGTGTATATCAGCTTGTGGTCTCAGT	-19	Novel-mir-502-5p	-	TTGTTGAACCTATAGCCAGGC	-
Novel-mir-503	TGGCATTGCATTGTTGTTCATTGTGCCAGGTTGACCTGTAATAATGACATGAAGTGTGGACTGGAATGTTGACAGTATGGACCTA	-22.3	Novel-mir-503-5p	-	TTGTTGTGTTTATTGTGCCAGG	-
Novel-mir-504	CAGTTCATGTTTGTACTGCTTAGGCGGTGTGTCTGCCGCATGTATGTTGCTGGTTAACAAGCAGATTATAATCCATGA	-25.5	Novel-mir-504-5p	-	TTGTTTGTACTGCTTAGGCGG	-
Novel-mir-505	GTATGGTACATTTACGTAAGTGGGAAACAGTGGGGCGTGGCTCGCTCTGCAGATTGGCCGACTGTAACCTGGCGTTATGAACCTGA	-27.1	Novel-mir-505-5p	-	TTTACGTAAGTGGGAAACAGTGG	-
Novel-mir-506	GATTCAGCCCTTAGTTTCACTTTCCATCTGTGGCGCTGAGTCCCGGTTGCTGCTCATCCACGATGGCTCTGTTGCTAGGGAGAC	-26.3	Novel-mir-506-5p	-	TTTATTCAGCTTTCCATCTGTG	-
Novel-mir-507	CAGAATCTGCTTTATTGGCCAGGTGTGTGGGACACAGGAAATTTGACTCTGGTACATCGGCTCTTAATGTGCATGTACAT	-20.1	Novel-mir-507-5p	-	TTTATTGGCCAGGTGTGTGGG	-
Novel-mir-508	CAGAATCTGCTTTATTGGCCAGGTGTGTGGACACATGAGAAATTTGACTCTGGTACTGTACATCGGCTGCTCAATGTGCAACAGTA	-21.5	Novel-mir-508-5p	-	TTTATTGGCCAGGTGTGTGGG	-
Novel-mir-509-1	GGGGATAAGTTTCATGTCATACTGAGGAACCCCTGCTTAGGCTGTTTTAATGTGGGGTGGTGGTGAAGTTTATATGGGCAC	-31.3	Novel-mir-509-5p	Novel-mir-509-3p	TTTCATGTCATACTGAGGAAC	TGAGTTGTTATATGGGCACTGAG
Novel-mir-509-2	GGGGATAAGTTTCATGTCATACTGAGGAACCCCTGCTTAGGCTGTTTTAATGTGGGGTGGTGGTGAAGTTTATATGGGCAC	-31.3	Novel-mir-509-5p	Novel-mir-509-3p	TTTCATGTCATACTGAGGAAC	TGAGTTGTTATATGGGCACTGAG
Novel-mir-510-1	AAGCAGCACTTTCTGATTGGGCTTGGTGGTGAATCCGTACAACCCGGCTGGCTGTGTGAAGGGAGGTGGTGTGTTA	-25.4	Novel-mir-510-5p	-	TTTCTGATTGGGCTTGGTGGT	-

Novel-mir-510-2	AAGCCGCACTTTCTGATTGGGCTTGTGCTGGGTGAATCCATACCAACCAGCTGGCTGTTGAGAAGGGAGGTGATGTTTA	-26.8	Novel-mir-510-5p	-	TTTCTGATTGGGCTTGTGCTT	-
Novel-mir-508-1	CTGTGGCCCTTTGAAGATGTCCAGTCTGTGGCCTCTAGACAGCCCGCAGGCAGCTTGCACAGTCGTTCCAGG	-22.7	Novel-mir-508-3p	-	TTTGAAGATGTCCAGTCTGTG	-
Novel-mir-508-2	CTGTGGCCCTTTGAAGATGTCCAGTCTGTGGCCTCTAGACAGCCCTACAGGCTGGCCTGTCGTTCCAGGTGTTAACAGT	-28.5	Novel-mir-508-3p	-	TTTGAAGATGTCCAGTCTGTG	-
Novel-mir-508-3	CTGTGGCCCTTTGAAGATGTCCAGTCTGTGGCCTCTAGACAGCCCTGACAGGCTGGCCTATGCACAGTGTTCAGT	-26.5	Novel-mir-508-3p	-	TTTGAAGATGTCCAGTCTGTG	-
Novel-mir-511	CTCAACCACTTTGAGAAGTAGTCAGTGGCTGTCAAAATATACTGAAAGCCATCAGCAGTTTTGGGTAAGGG	-18.1	Novel-mir-511-5p	-	TTTGAGAAGTAGTCAGTGGCTG	-
Novel-mir-512	GGAGCGGAGATTGTAGTGGATAGATGGGAGTGCCTGCTCGTTGCCACGGCAACATTTCTCCGGTCCC	-27.3	Novel-mir-512-5p	-	TTTGCTAGGTGGATAGATGGG	-
Novel-mir-513	GGAGCGAATATTGCTAGTGGATGGACGGGAGTGGAGTCCAGGTCCTCTCTCTGCTAGCCTTACTAAGCGCCCA	-24.6	Novel-mir-513-5p	-	TTTGCTAGGTGGATGGACGGG	-
Novel-mir-514	ATGGCGAAGATTGGACCAAAAGGAGACTGTTATAGATATATTCATGTCTTTTATGTTTTCCTGAGTCACACAAGATTTGACCAA	-19.7	Novel-mir-514-5p	-	TTTGACCAAAAGGAGACTGTTA	-
Novel-mir-515-1	CCTGTGACGATTTGGATTAAGTGGAGACTTTTTAGGGAACTTTTGGGACATCCTGATAGTAAAGAGTTACAGTAGTCCAGCCTGGAA	-26.6	Novel-mir-515-5p	-	TTTGATTAACTGGAGACTTTTT	-
Novel-mir-515-2	GCTGCAGCAATTTGGATTAAGTGGAGACTTTTTAGGGAATTTAGGACATCCTGATAGTAAAGAGTTACAGTAGTCCAGCCTGGAA	-27.9	Novel-mir-515-5p	-	TTTGATTAACTGGAGACTTTTT	-
Novel-mir-516	GATGAAGCTGTTTGAAGTCTGGTGGAGTGGGCTGAAGACTCCAGTACCTTCCCTCCGAGGAGGAGTCTGAAGTGGGA	-20.5	Novel-mir-516-5p	Novel-mir-516-3p	TTTGAAGTCTGGTGGAGTGGG	TACCTTCTCCCTGAAGGCAGGAGTC
Novel-mir-517	TCTGGACATCTTTGTTGGTAGGTTTGTGCGGAAATATTCTGTGATCACTTCTCTAGATTCTCCATGGCAAGCTCCAGGAGACGTG	-24	Novel-mir-517-5p	-	TTTGTGGTAGGTTTGTGCGG	-
Novel-mir-518	ATCCACTCTCTTTTGAAGATCTCTGTACAAAGTCCCGAGTACACAGACGCCCTCTGAGACATCAGACCATGCTGCTCCAGGCTTCT	-22.1	Novel-mir-518-5p	-	TTTTGAAGTCTCTGTACAAAGT	-
Novel-mir-519	TGTTTCAAACCTTTGAGTGCACGCAATGCGGCATCCACACAATTTGAGTGAATGCAATGCGATGCTCTCCCAAGTGGGTGCGGT	-24.7	Novel-mir-519-5p	Novel-mir-519-3p	TTTTGAGTGCACGCAATGCGG	TGCAATGCGATGCTCTCCCAAGT
Novel-mir-520-1	GTGCTGCAGTTTTGGTTTGTGCACCATGCTTGTAGTGTAAATAACAGACTACTGGAGGAGATGAGCTGAAGGCTGAATCAGT	-31.8	Novel-mir-520-5p	-	TTTTGGTTTGTGCACCATGTCT	-
Novel-mir-520-2	GTGCTGCAGTTTTGGTTTGTGCACCATGCTTGTAGTGTAAATAACAGACTACTGGAGGAGATGAGCTGAAGGCTGAATCAGT	-35	Novel-mir-520-5p	-	TTTTGGTTTGTGCACCATGTCT	-
Novel-mir-521	GAATGCCTGTTTTTGTTCACAGTGCCTACCAGGCTGATGTTCTTACTAGGTGTTTATGAACAAGGGGAGCGATGTA	-20.3	Novel-mir-521-5p	Novel-mir-521-3p	TTTTGTTACAGTGCCTACCAG	TACTAGGTGTTTATGAACAAGGGG
Novel-mir-522	AAGTTTCTGTTTTTTCAGTACAGGCTGTAGGGGGTCCCAAAATAGAGAAGTGAAGAAGGGTGGGGGCC	-18.1	Novel-mir-522-5p	-	TTTTTCAGTACAGGCTGTAGG	-
Novel-mir-104-2	CCATATATCCCACTCGTCACCCAGATACACATCCAACAATGGCGGTGTTGTCGAAGAACTTTGTAGATGACAGTGGTGGGAGT	-23.2	2	Novel-mir-1042-3p	-	TTTTGTAGATGACAGTGGTGGG
Novel-mir-104-1-1	AGGAAAGACAGTTTACAGTGTCTTCAATAAAAGTCTAAACCAAGAAGATTGACCAGGTTTTGCTGAAGGGACCTGTTAGCT	-23.3	-	Novel-mir-1041-3p	-	TTTTGCTGAAGGGACCTGTTAGC
Novel-mir-104-1-2	GTGCTGCAGTTTACAGTGTCTTCAATAAAAGTCTAAATCGAAGAAGATTGACCAGCTTTTGTGCTGAAGGGACCTGTTAGCTAT	-20.7	-	Novel-mir-1041-3p	-	TTTTGCTGAAGGGACCTGTTAGC
Novel-mir-104-1-3	GTGCTGCAGTTTACAGTGTCTTCAATAAAAGTCTAAACCAAGAAGATTGACCAGGTTTTGCTGAAGGGACCTGTTAGCTAT	-22.2	-	Novel-mir-1041-3p	-	TTTTGCTGAAGGGACCTGTTAGC
Novel-mir-104-1-4	GTGCTGCAGTTTACAGTGTCTTCAATAAAAGTCTAAATCAAAAAGATTGACCAGGTTTTGCTGAAGGGACCTGTTAGCTAT	-24.6	-	Novel-mir-1041-3p	-	TTTTGCTGAAGGGACCTGTTAGC
Novel-mir-104-1-5	GTGCTGCAGTTTACAGTGTCTTCAATAAAAGTCTAAATCAAAAAGATTGACCAGGTTTTGCTGAAGGGACCTGTTAGCTAT	-24.6	-	Novel-mir-1041-3p	-	TTTTGCTGAAGGGACCTGTTAGC
Novel-mir-104-0	TGGCATGTGGGACACAGTTTTCTTAATACATAGAGATGCTGCAAAATTTACAGTGGGAGATGGACGCCCACTCCT	-22.2	-	Novel-mir-1040-3p	-	TTTTCAGTAGGAGATGGCAGC
Novel-mir-103-9	GCCGGCTCTGGTGAAGCCGACTGGGTTAGTAGGGCGAAGTTTTAGATAGTGTTCACCAAGGAGGCTCTGAGAAAGAGTAATC	-23.2	-	Novel-mir-1039-3p	-	TTTTACCAAGGAGGCTCTGAGA
Novel-mir-103-8	AAAGTCTAGTGTGGAGGCTGCTCATGTCACAAAAATACACGACTTTGGTCTAGGATCATTTTGTGACTAGGACGGCATCTGTG	-24.1	-	Novel-mir-1038-3p	-	TTTGTGACTAGGACGGCATCT
Novel-mir-103-5	GTCCCTGGGCTGCTCAGGTTGGAGCTGTGTGTGTCGGTCCAGGCAGACTTTGTCCGGATGTTGGAGCCCAACCCAGGCT	-33.9	-	Novel-mir-1035-3p	-	TTTGTCCGGATGTTGGAGCCCA

Novel-mir-516-2	ACAGTGTTCAGCATCCTCACAGCCTGGTGGATGAAGCTGTTTGAAGTCTGGTGGAGTGGGTCTGAAGACTCC	-20.2	-	Novel-mir-516-5p	-	TTTGAAGTCTGGTGGAGTGGGT
Novel-mir-1034	ACAGTGTTCAGCATCCTCACAGCCTGGTGGATGAAGCTGTTTGAAGTCTGATGGAGTGGCCCTGAAGGCAGG	-19.3	-	Novel-mir-1034-3p	-	TTTGAAGTCTGATGGAGTGGCC
Novel-mir-1031	GCACCTGTGCGAGCGGGTCTATGTCAGGGTAGTAGCGGCCAGTCGAGATTTGGATATGTGAGACCTGTGCACAACCTCGAAC	-24.1	-	Novel-mir-1031-3p	-	TTTGGATATGTGAGACCTGTGCA
Novel-mir-1030-1	ATGTAATCACTCACAGTCTCTGCATATTTCATGGATATTTGTCTGCAGCCTCTTTGAAGATGTTCCAGTCTGTGGCCTCTAGACAG	-18.2 2	-	Novel-mir-1030-3p	-	TTTGAAGATGTTCCAGTCTGTGG
Novel-mir-1030-2	CAGTCACTCACAGTCTCTGCATATTTCATGGATGTTGGCTGTGGCCCTTTGAAGATGTTCCAGTCTGTGGCCTCTAGACAG	-20.9	-	Novel-mir-1030-3p	-	TTTGAAGATGTTCCAGTCTGTGG
Novel-mir-1030-3	CCAGCTGATGTAATCAATCACAGTCTCTGCATATTTCATGGCTGTCTATGGCCCTTTGAAGATGTTCCAGTCTGTGGCCTTTAGG	-24.7	-	Novel-mir-1030-3p	-	TTTGAAGATGTTCCAGTCTGTGG
Novel-mir-1030-4	GCTGATGTAGTCACTCACAGCCTCTGCATATTTCATGAATGTCGTCTGTGGCCCTTTGAAGATGTTCCAGTCTGTGGCCTCTAGACA	-19.7	-	Novel-mir-1030-3p	-	TTTGAAGATGTTCCAGTCTGTGG
Novel-mir-510-2	ACAGTGTAAATAGTAGTATGCCAACCCCTCTCAACAGTGTCTCAGAGAAGCAGTGTCTTTCTGATTGGCTTGTGCTGGTGAATTC	-26.2 9	-	Novel-mir-510-5p	-	TTTCTGATTGGCTTGTGCTGG
Novel-mir-1029	AACGTTGTTCTAGTGCATAAAACCAACCGTGTGTGCTGTCTCGATACACGCCCTACTTTCGTGACACTAGACAGCCAGCGAACAAA	-20	-	Novel-mir-1029-3p	-	TTTCGTGACACTAGACAGCCAGC
Novel-mir-1028	AAGGTACTCTCTGCAGTACTTTCCTGAAGGTACTACTATTACAGTACTTTCCTGAAGATACTGTAGCTTAACTACTT	-28.3	-	Novel-mir-1028-3p	-	TTTCACTGAAGATACTGTAGC
Novel-mir-1027	ACCTGTGTACCACACCTATTGCTCCTGGTGGCATGTTGGGCAGAGATTTCAAACAGGATTGTAGATGGATGACAAATTG	-18.2	-	Novel-mir-1027-3p	-	TTTCAAACAGGATTGTAGATGGA
Novel-mir-1026	AGCACTGATTTTGTCTAAAGGTAGTAAGTCTATTGTTGGGGTAGAGTGGCTGAACACTTTAGTTCTGCTCTGGGATACAGAT	-28.4	-	Novel-mir-1026-3p	-	TTTAGTTCTGCTCTGGGATACA
Novel-mir-1024	TTATCAGGAAATATTAGCCAAATCCAGGCCCTCTGGAGGACAACATCAGCAGCCTGATGAATTTAGAGCTAGATCAGGACTTGGG	-20.3	-	Novel-mir-1024-3p	-	TTTAGAGCTAGATCAGGACTTGG
Novel-mir-1022-1	AGGGCAGGAGGGGCAAAGAGAAGCAGAGGGAGAAGAGAGGGGATACTGCTTGGGTTTGTGTTTATTCTCACTTTGCCCTTAACG	-33.4	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1022-2	AGGGCAGGAGGGGTAAGAGGAAGGATACTGCTTGTGTTGTTTGTGTTTATTCTCACTTTGCCCTTACAGTCAAC	-23.3	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1022-3	CAGGGCAGGAGGGGCAAAGAGGAGCAGAGGGAGAAGAGGAGGGGATACTGTTTGTGTTTGTGTTTATTCTCACTTTGCCCTTAATG	-32.4	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1022-4	GAGACGGGGCAGAAGGGCAAAGAGAGAGGATGGGATACTGCTCATGTTTGTGTTTGTGTTTATTCTCACTTTGCCCTTAACGGTCAA	-28.7	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1022-5	GGACAGGAGGGCAAAGAGGAGTGGAGGGAGGAGTGGAGGGAGAAGTGGAGGGGACGCTGCTTGTGTTTGTGTTTATTCTCACTT	-33	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1022-6	TTTCATAAACAGGGCAGGAGGGAGAAGAGGAGGAATACTGCTCGAGTTTGTGTTTGTGTTTATTCTCACTTTGCCCTTACAGTCAA	-22.3	-	Novel-mir-1022-3p	-	TTGTTTGATTCTCACTTTGCCCT
Novel-mir-1020	CTACCAAAGCATCCCTTGTCTCATTAGATGGTGACAGACAGTGTGAGCTCACACTGTTGAATTTGAATTTGTTTGAAGTTGATCAAGG	-25.7	-	Novel-mir-1020-3p	-	TTGTTTGAAGTTGATCAAGGT
Novel-mir-1019-1	ACGGTACATGGGTTGCGAATCAAAAACCGCTGGAGACTGTTGAGATAGTTGTCATGTTCCACCATATTGTTGATATCTGAGCTCGTGCC	-20.5	-	Novel-mir-1019-3p	-	TTGTTGATATCTGAGCTCGTGCC
Novel-mir-1019-2	ACGGTACATGGGTTGCGAATCAAAAACCGCTGGAGACTGTTGAGATAGTTGTCATGTTCCACCATATTGTTGATATCTGAGCTCGTGCC	-20.7	-	Novel-mir-1019-3p	-	TTGTTGATATCTGAGCTCGTGCC
Novel-mir-1018	GACACTTGGCATTAGACAGAGTCAATCTTTGTTTTCATCAGACCAGAGTTTTGTTTCTGCTGCTGAGAGTCTTCAAGTGGCC	-28.8	-	Novel-mir-1018-3p	-	TTGTTTCTGCTGCTGAGAGTCC
Novel-mir-1013	CTTTTGGTGTCTCTGCATCTAATGGCAGCCTCATGTCTGACACATGTAGGATGGCTCATCTCTACATTGTCAAGTCTGGAGCTGTAA	-29.6	-	Novel-mir-1013-3p	-	TTGTCAAGTCTGGAGCTGTA
Novel-mir-1005-1	AGTGCTACAAGTGTGTCTTGGCAGAACCGACAAGCGCTCAGTTGGATTCTAGCAGAGAAAAGGAGGTGTGTGTGCC	-22	-	Novel-mir-1005-3p	-	TTGATTCTAGCAGAGAAAAGGAG
Novel-mir-1005-2	GAGTGCTACAAGTGTGTCTTGGCAGAACCGACAAGTGTCTGATTGGATTCTAGCAGAGAAAAGGAGGTGTGTGTGCC	-21.4	-	Novel-mir-1005-3p	-	TTGATTCTAGCAGAGAAAAGGAG
Novel-mir-1004	GCCAAGGCCCTTATTAAAGTACCTTGTCTGCCACCATTGCCCTTACAGTTTTGCGGCTTGAATGGAGTATGATGGGTCCAGGAT	-21.6	-	Novel-mir-1004-3p	-	TTGGAATGGAGTATGATGGGTCC
Novel-mir-1002-1	ACATTACACGTCCGGATCTCTCCACCATCCACTGCGCGCAGGCAGCTTGGAAAGATGAACAGAGACCCGACCCAGAAACC	-26.3	-	Novel-mir-1002-3p	-	TTGGAAGATGAACAGAGACCCG

Novel-mir-100 2-2	ACATTACACGTTCCGGATCTCTCCACCATCCACCTGCGCGCAGGCAGCTTGAAAGATGAACAGAGACCGGACCCAGAAACC	-23.4	-	Novel-mir-1002 -3p	-	TTGGAAAGATGAACAGAGACCGG A
Novel-mir-999	GTGGACGACCAAAATACAGACTACACCATTAGTGTGAATCAGTGCACCATTGCTTGTCACTGTAGCCTATAGCCGGTGCCTT	-20	-	Novel-mir-999- 3p	-	TTGCTTGTCACTGTAGCCTATAGC
Novel-mir-996 -1	ATATTCTGTCCACTGAGCTTCTGAGTCAGGTCCAGGACAACCTCTCATCCCTTGATTTATCTCTGGGGCTCCTCCGTGAGTTC	-23.4	-	Novel-mir-996- 3p	-	TTGATTTATCTCTGGGGCTCCTCC
Novel-mir-996 -2	TGCATGTGATGTTGTGTCCATTAAGTTGCTGAGTCAGGTCTAGGACAACCTCTCATCCCTTGATTTATCTCTGGGGCTCCTCCATCAGG TTTC	-20.4	-	Novel-mir-996- 3p	-	TTGATTTATCTCTGGGGCTCCTCC
Novel-mir-992 -1	GTGAAAGTACTGCAATAGTAGTACCCTCAGTGAAAGTACTGCAGACAGTACCTTGTGAGTAAAGTACTGCAGTGGCAGTATCTTCAG	-37.1	-	Novel-mir-992- 3p	-	TTGAGTAAAGTACTGCAGTGGC A
Novel-mir-992 -2	GTGAAAGTACTGCAGTGGCAGTATCTTCAGTAAAGTACTGTAATAATAGTACCTTGTGAGTAAAGTACTGCAGTGGCAGTATCTTCA	-38.7	-	Novel-mir-992- 3p	-	TTGAGTAAAGTACTGCAGTGGC A
Novel-mir-989	AGCAGGTGGGGAGTTCACACAGCTTCAGTGACCTGTTGAAGATGAGTGTGAAGTGGGGCCAGCTGAT	-19.7	-	Novel-mir-989- 3p	-	TTGAAGATGAGTGTGAAGTGGG
Novel-mir-988	CGGCAACAGTAAAAGCAGGTCCACCCAGCATCTGGCCCTAAGAAAGTGGTTTGAAGATCTGAGGGACTTTGTAGATTTGTGCCA	-27.5	-	Novel-mir-988- 3p	-	TTGAAGATCTGAGGGACTTTGT G
Novel-mir-987	ACCGCTGACTGAGGGAGTTCAACTTGCAGGTGATAGCAAGTACCTTCTTGAGTCTGACACTCCTCCGATAGTGTGA	-23.9	-	Novel-mir-987- 3p	-	TTCTTGAGTCTGACACTCCTCC
Novel-mir-985 -1	AGGTCTGGGCTCTGACTCTCCAAAAGGCAGATTTAGTTTTCTGAAGTCAATCTGTGTGGACTTGCTCTGGTGGTTGGGTC	-20.5	-	Novel-mir-985- 3p	-	TTCTGTGTGGACTTGCTCTGGT
Novel-mir-985 -2	GGGCTCTGACTTGGCCACTCCAAAAGGCAGATTTATTTTTCTGAAGCCATTCTGTGTGGACTTGCTCTGGTATTTGGGTC	-19.4	-	Novel-mir-985- 3p	-	TTCTGTGTGGACTTGCTCTGGT
Novel-mir-983	TTGACCGGAGTCAGCAGGGTCTATGGTGCCAGTTCTTCTGTTAGATCCGCTCGGACACAGAGGTGAGC	-20.4	-	Novel-mir-983- 3p	-	TTCTGTTAGATCCGCTCGGACAC
Novel-mir-978	GGGTGCCGTGAATACAAAAACATGCTGAACTAGGAGCTGGGCGTTTCTAGAGCAGTGGGGAGTTGTGGAAGGGCGAGG	-27.5	-	Novel-mir-978- 3p	-	TTCTAGAGCAGTGGGGAGTTGT G
Novel-mir-977	GATCATATCCCTGAGAGGTTGAGTGAGATCCACATACCCAGGAATGTGGTTTCTACTGTAGCCTGTGAGTCCCAGGAATGCCA	-24.7	-	Novel-mir-977- 3p	-	TTCTACTGTAGCCTGTGAGTCCC
Novel-mir-976	TTTCAGACTATGCTGTCCCATCTGATTGAGTTAGCGCTAGTCTGTTAAATGTGGGCTTTAGCATATCTGGGC	-22.9	-	Novel-mir-976- 3p	-	TTGTTAAATGTGGGCTTTAGC
Novel-mir-973	AGACATACCTGCATTCATGATGTGTGTGACGTCTCCTGATTTCTGCTGACAGTTCCTGTGCTGGATTTCATTTTGTATGTT	-19.9 2	-	Novel-mir-973- 3p	-	TTCTGTGCTGTGGATTTTCAT
Novel-mir-968	CTCCTTTGCCATATAGGCTTCCCTTGGGAATGAGCCAGGAGGGGGCAGTGTATAGTGGTTTTCATGTGGAGTAGAAGATTGGG GGTAAGTGGT	-24.7	-	Novel-mir-968- 3p	-	TTCATGTGGAGTAGAAGATTGGG G
Novel-mir-967	GGGTGGGGGGTGTGAGTGTCAAACCTGCAGTAGAATATATTCAGGCTTGTGCCAGTTGACGGTCTCCTCAG	-28.3	-	Novel-mir-967- 3p	-	TTCAGGCTTGTGCCAGTTGACG G
Novel-mir-966	TTACAGAGCTCTGGTTCATCTCTATCTGAAGCCCGACCTCAACAGCAAACCGTTCAACCCGCTTTCAGGATGAGAAGGAACCC TGTCCCTCCCA	-29.7	-	Novel-mir-966- 3p	-	TTCAGGATGAGAAGGAACCCTG
Novel-mir-964	TGAGGAGATTAGGGGTTGCTCCTCTCTGAAGAAGCTGTGAACCATACTCTGTAGTGGGGATAGGGCTTCAGATAGACGGAACCTA GAGCTCTGATTGC	-28.8	-	Novel-mir-964- 3p	-	TTCAGATAGACGGAACCTAGAGC
Novel-mir-963	AAACTGAGGTAGGCTCCTCAGATTGGTCTCTACGCAGGATTTCAACAACCTGTTGAGAGAGACTCATCAGGGCGCTGTTCAATCG	-25.4	-	Novel-mir-963- 3p	-	TTCAGAGAGACTCATCAGGGCGC
Novel-mir-962 -1	CAGTTGCTCAACAGTCCAGGGCCTGGGTTGTTGTATTTTGCACCTTATAATGTGCCACACATTTTCAATGGGAGACGGGTCTGGACT GCAGGCACCT	-30.9 9	-	Novel-mir-962- 3p	-	TTCAATGGGAGACGGGTCTGGAC T
Novel-mir-962 -2	TACGACTTCAGTTTCAGTCTGGGGTCTGCGTTGTCGATTTGTGCGCTTCAATAATGCCACACATTTTCAATGGGAGACGGGTCTGGA CTGCAGGCAGGT	-34.8	-	Novel-mir-962- 3p	-	TTCAATGGGAGACGGGTCTGGAC T
Novel-mir-961	TGTACCAGATGATAGGCATCTGTAAGTCTAGTTTGTGAAAATCGTGGCGTTATGGAGCATTTCAAAGCAGACGACATGAGTGGT AATGGGTAT	-19.3	-	Novel-mir-961- 3p	-	TTCAAAGCAGACGACATGAGTG G
Novel-mir-959	TTGAACGTGTGCTCAGTGTTTGGAGAATGTCACGATGCAAGTATAATGCTGTCAAAGTGTGATTATGATGTGACAAACGAGG ATAGGTTCT	-24.9	-	Novel-mir-959- 3p	-	TTATGATGCTGTACAAACGAGG
Novel-mir-958	GTTTTTCAGTCTTACACTTACCTCTGATGTTGACAATCACACATTATGAGCGAGACTGTGAATAATGAAAAA	-19.1	-	Novel-mir-958- 3p	-	TTATGAGCGAGACTGTGAAT
Novel-mir-955	AGGTGGGGCATTTTTTCCAGTTGGCTCCTGGCCGTGATATTGCCAAGTGTGGAGGAGGTAGGCATTATAAGCATACTGGGGGG TGCTCCAGCT	-37.9	-	Novel-mir-955- 3p	-	TTATAAGCATACTGGGGGGT
Novel-mir-954	TACGGTTGTGAGGTCACCTTGCCTTGTGTCCTTCTCTCGTTATAAGAAATGGGGAGGTGGGCCCTTGGCGT	-22.5	-	Novel-mir-954- 3p	-	TTATAAGAAATGGGGAGGTGGG

Novel-mir-953	GTGATGACATTCTCAATGGTTCCCGGTAGAGGGAGTGCATGATGGGGGTGGGACACTAGCTCTTCTTAGTTTCCGGAGGAAGTA GGGGCATGTTTGAGC	-26.7	-	Novel-mir-953-3p	-	TTAGTTTCCGGAGGAAGTAGGGG C
Novel-mir-952-1	TTTGCCAAGTTAAAGCAGTACTTATTGTCTTACGAGCATGTTTTTTTTAGAGGTAGGGAGTCGGTTTAGTGTAAGATTGCTCTGTTA AGGTCAAAA	-20.2	-	Novel-mir-952-3p	-	TTAGTGTAGAATTGCTCTGTT
Novel-mir-952-2	TTTTGCCATGTTAAAGCAGTACTTATTGTGCTTACGAGCATGTTTTTTAGAGTATAGGGAGTTGGTTTAGTGTAAGATTGCTCTGTTA AGGTCAAAA	-19.2	-	Novel-mir-952-3p	-	TTAGTGTAGAATTGCTCTGTT
Novel-mir-949	ATACTGCAGGAAGACAGACACAAGTCAAAGTCCAGCTGGGTATGACTTGGTTTAGATTAGAGGTTCTGTCAAACATATAGCC	-18.4	-	Novel-mir-949-3p	-	TTAGATTAGAGTTCTGTCAA
Novel-mir-947	CAGAGAGACAGAGCTCCTGCAGGAAATGTATTCTCTGAACCCAGTGTATATTTCTGGTTACATTTATCTCTGGGCTGAGTCCTTC TT	-18.7 4	-	Novel-mir-947-3p	-	TTACATTTATCTCTGGGCTG
Novel-mir-946	AAAAGCAGACCCAGGTGGCTGGCTTCGGTGCAAGCAGTGAGGTTTATTACAGTGAAGGTAGTGACAGGGGGTCCAGAGGA	-25.9	-	Novel-mir-946-3p	-	TTACAGTGAAGGTAGTGACAGGG G
Novel-mir-945-1	ACGTTGGCGCTAATGACTCCTGACTTCGCCAGTTGGAGGTCATAAAATAATGTTGAGTCAGTGTGTAACCTCGCTAAAC	-20.3	-	Novel-mir-945-3p	-	TTAATGTTGAGTCAGTGTGTAAC
Novel-mir-945-2	TGGTGTAAGATTGTTGTTACAGTCTCATAATGACTCCCAACTTGGCAGTCAGAGGTCACCAAAATAATGTTGAGTCAGTGTGTA ACTTCACTAAAC	-18.1 7	-	Novel-mir-945-3p	-	TTAATGTTGAGTCAGTGTGTAAC
Novel-mir-943	TGGAGAGGGGGCCGGTAGTCTTGAGTGGTTGTGTGCGCAGCGCGGTTAAGTTGAGCTCTGCCATGGCCTCGTGTAAAC	-27.7	-	Novel-mir-943-3p	-	TTAAGTTGAGCTCTGCCATGGC C
Novel-mir-936	TGACCTGAGACTTGAGAGCTGGTATCCCATAGTAAATAGCCCTCTGTTGACTTATCTGTTTGGAGCATCTGTTTTCTGTTTATGATG	-18.3	-	Novel-mir-936-3p	-	TGTTTGGAGCATCTGTTTTCTG
Novel-mir-935	CCTGGTTGGATGACAACATCCTGGACGCTGCGGTTGGAGCTGGAGGGACGCTTCTGTTTCAAGCAGACAGGACTGCAGCATCTCCT AA	-31.9	-	Novel-mir-935-3p	-	TGTTTCAAGCAGACAGGACTGCA G
Novel-mir-933	TTAAGCATCTGTTTTCTTGTGTATGCTGAGTATAAGGGCAGTCACATTCTGTTTCTGAGCTTCCCTGCAACAGACTGGTTTA	-18.5	-	Novel-mir-933-3p	-	TGTTTCAAGCAGACTGGTTTA
Novel-mir-931-1	TCATCTTAAACTCAGTGTGCTTTTACACCATGATCAGACATCTTACTGCAGAGACTTGAACATGTTATTGGGATTAAGGAAC TGATTAAGTTGG	-21.2	-	Novel-mir-931-3p	-	TGTTATTGGGATTAAGGAAC
Novel-mir-931-2	TCCTCTTACTTCTCAGTGTGCTTTTACACCATGATCAGACATCTTACTAAAAAGACTTGAACATGTTATTGGGATTAAGGAAC GTACTAAGTTGG	-24.9	-	Novel-mir-931-3p	-	TGTTATTGGGATTAAGGAAC
Novel-mir-931-3	TGCTCTTACTTCTCAGTGTGCTTTTACACCATGATCAGACATCTTACTAAAAAGACTTGAACATGTTATTGGGATTAAGGAAC GTACTAAGTTAG	-20	-	Novel-mir-931-3p	-	TGTTATTGGGATTAAGGAAC
Novel-mir-930	GATCTCAGTGTGCTTTTACACCATGATCAGACATTAAGGGCAGTGAATGTTATTGGGATTAAGGAACACTGCACTAAGTTG	-24.7	-	Novel-mir-930-3p	-	TGTTATTGGGATTAAGGAAC
Novel-mir-927	GTGCTGTTGCCAGGTTTCCAAGTTTGGTCGTTAACTGGAGGGGATGACCATGTTAAACGCTGAGCTGAAGTCCACGAAACAGCA	-24.8	-	Novel-mir-927-3p	-	TGTTAAACGCTGAGCTGAAGTCC
Novel-mir-926	TTTCCCTTCCCGAAGCAGCAGTGCAGTACCTCGATGTACAGAGTGTGTTTGTAGTGAATCGTGAATCTTGAAC	-26.4	-	Novel-mir-926-3p	-	TGTGTTTGTAGTGAATCGTGG
Novel-mir-923	GAGTGTACTTCTTGGGGCCTCAGATAAAAGAACAGGTTGAATCTAAATCAGCTATAAATGTGTCTAGATTGGTCTAAAGAAAAA TCTAA	-20.6 6	-	Novel-mir-923-3p	-	TGTGTCTAGATTGGTCTAAAGA
Novel-mir-921-1	AGATGCAGCAGTCTCTGGCGATCACCCGGCCCACTTGAAGTGCACGGTCCACCTGTGGTGTGTAGTACAGCTGGGGCAGC TCCACCATCG	-37.4	-	Novel-mir-921-3p	-	TGTGTAGTACAGCTGGGGCAGC
Novel-mir-921-2	TGGCGATCACCCGGCCCACTTGAAGTGCATGGTCCACCGGTGGTGTGTAGTACAGCTGGGGCAGCTCCACCGTCG	-34.5	-	Novel-mir-921-3p	-	TGTGTAGTACAGCTGGGGCAGC
Novel-mir-919-1	CAATGTTTATCCCGGAGATATCTAGGATGATGTTTACAATGAGATATGCTGGTCTGTTGAAAGTGTGTAGAGACAGTTTATCGGATG CCATAA	-23.4	-	Novel-mir-919-3p	-	TGTGTAGAGACAGTTTATCGG
Novel-mir-919-2	CAGTGTTCACCCGGAGATGCTAGGATGTGTGTTACGATAAGATACGTGAGTTGTTGAAAGTGTGTAGAGACAGTTTATCGGATG GCCACAC	-24	-	Novel-mir-919-3p	-	TGTGTAGAGACAGTTTATCGG
Novel-mir-915	TCTGCTTTGGCCAGGACATTGTCAAATGCATTTTTTCTGCAGAGAACTGTGACAGAACTGGAGATGGTGCACGACGCGAG	-22.2	-	Novel-mir-915-3p	-	TGTGACAGAACTGGAGATGGT G
Novel-mir-913	CGACAGAACTCATCCAGAAGTGGCCACAACTGAGGGCTCTGTCTGACACCACATCTCTGGGAGGCCATGCA	-19.3	-	Novel-mir-913-3p	-	TGTCTGACACCACATCTCTGGG
Novel-mir-912-1	TATTGCCTTTTCAATGACGCCACATGCTGACACATGTAGGATGTCCCAATTTCTACATTGTCAAGTCTGGAGCTGTAATACATCAGA ACCTT	-27.5	-	Novel-mir-912-3p	-	TGTCAAGTCTGGAGCTGTAATAC A
Novel-mir-912-2	TATTGCCTTTTCAATGACGCCACATGCTGACACATGTAGGATGTCCCAATTTCTACATTGTCAAGTCTGGAGCTGTAATACATCAAAA CCTT	-27.5	-	Novel-mir-912-3p	-	TGTCAAGTCTGGAGCTGTAATAC A
Novel-mir-911	TTGTTTCAGCGGATCTTCTGTATTGACTAAGTCTCTGCAACCGCTGTCAACAGCTGCTTGTCTACTGTATTCAACTCGTGAGAAGC TGAACTTAATAT	-23.1	-	Novel-mir-911-3p	-	TGTATTCAACTCGTGAGAAGCTG A

Novel-mir-909-1	TGGCGATCACCCGGCCCCACTTGTAACTGCACGGTCCACCTGTGGTGTGTAGTACAGCGTGGGGCAGTCCACCATCGCCC	-40.5	-	Novel-mir-909-3p	-	TGTAGTACAGCGTGGGGCAGTCC
Novel-mir-909-2	TGGCGATCACCCGGCCCCACTTGTAACTGCATGGTCCACCGTGGTGTGTAGTACAGCGTGGGGCAGTCCACCATCGCCC	-39	-	Novel-mir-909-3p	-	TGTAGTACAGCGTGGGGCAGTCC
Novel-mir-907	TTCCGGTCAAGCAGTGTAAATTTTACAGTGAATGTGAACAAGTTCATACGATAACCAAGTGAAGTGTGAATGATGAGAGTAACC	-19.9	-	Novel-mir-907-3p	-	TGTAGAATGATGAGAGTAACCGG
Novel-mir-905-1	GGACGAGCAGCGTGGGGATTTTGCCTGAATATTATGCTGGGAAAGGAAACCAAGAATAATTAGTTGTACACGGAGTTAACTTCA	-21.4	1	Novel-mir-905-3p	-	TGTACACGGAGTTAACTTCACTG
Novel-mir-905-2	GGACGAGCAGTGTGGGGATTTTGCCTGAATATTATGCTGGGAAAGGAAACCAAGAATAATTAGTTGTACACGGAGTTAACTTCA	-23.2	-	Novel-mir-905-3p	-	TGTACACGGAGTTAACTTCACTG
Novel-mir-904	GGCTTCTGCGCATGACTATTAGATTTTCATAAATATGTTTTATTCGTCGCATCGAAGTGGCCATCTGTAAGTAGATTTGTGTAGTAG	-24.5	-	Novel-mir-904-3p	-	TGTAAGTAGATTTGTGTAGTAGGC
Novel-mir-903	AGGCCAAATTAATATTACAAGCTCAAGTATTTGCACCTCCACACTGCACGCAGGCAGATGTAAGATGAAAGACCCTGAGCCACC	-18.2	-	Novel-mir-903-3p	-	TGTAAGATGAAAGACCCTGAGC
Novel-mir-897	AGACCTCAGTGTGCTTTTGGCACCATGATCACACATCTTATTACAGAGACTTGAACATGGTATTGGGATTAAGGAAGTGCACCTA	-20.6	-	Novel-mir-897-3p	-	TGGTATTGGGATTAAGGAAGTGC
Novel-mir-896	AGGACTGGTATATGACCATCTTTATTTAGTCTGTATAATCCATACTGGTCCCAAGTGGTAAATGCTCTGCAGAGAGGGAGGTGG	-24.2	-	Novel-mir-896-3p	-	TGGTAAATGCTCTGCAGAGAGGG
Novel-mir-891	TAGGGGATGCCGTCAAGCTGAAGAAGGAGTCTTTTCAAACTGGTGGCTCGTGGGACACCTGAGGCAGCTGATGGGTATCGGCA	-37	-	Novel-mir-891-3p	-	TGGGACACCTGAGGCAGCTGATG
Novel-mir-890	AAAACCAGGATCCAAATCCCATGTTCAAATGACGAGTGAAGTACTGGGAATTAAGTGGTAGTTTGGCTCCATTTTGC	-20.9	-	Novel-mir-890-3p	-	TGGGAATTAAGTGGTAGTTTGG
Novel-mir-887	GGTTCGATACAATTGCTTTATGAGCTACCACACATGTGTCGGAGCCCTCAAGTCTCGATGTTGTGGGGTGTCTTGGCTGATTCGG	-23.2	-	Novel-mir-887-3p	-	TGGATGTTGTGGGGTGTCTTGG
Novel-mir-886	GATTAGGAATATATGCTGGAGCAGTCTTTCAATCTACAATCGCAGAATTAACAAGTGGATGAAATGCTGGCTAATGGTATTACT	-18.1	5	Novel-mir-886-3p	-	TGGATGAAATGCTGGCTAATGGT
Novel-mir-885	GAGGGTTCATGGGAGTTTGCCEAACAGTCCACATGTGTTTCTGTCGATCTGGAGAAGGCATTCGTTCTGTCGCCT	-30.3	-	Novel-mir-885-3p	-	TGGATCTGGAGAAGGCATTCGT
Novel-mir-883-1	AAGGACCGCTCCTACCCAGTGTCCGACGCTCCACCTCTACCACGAAGTCCATGAGGGATCAAGTTGGAGGAGTATGGGGGCT	-34.8	9	Novel-mir-883-3p	-	TGGAGGAGTATGGGGGCTGTGG
Novel-mir-883-2	GAGGGCCGCTCCACCCAGTGTCCGACGCTGCCACCTCAACCACAAACTGCCGTGTGGGTCTGTTGGAGGAGTATGGGGGCT	-38.1	-	Novel-mir-883-3p	-	TGGAGGAGTATGGGGGCTGTGG
Novel-mir-881	TGCTGTTGGCACAAATTTGCCTCTTTCAATTCTCTACTACCATTGCAACTCCCTGCTTGCCTGCAATGGAAGAAGACTGTATTTGAAC	-21.4	-	Novel-mir-881-3p	-	TGGAAGAAGACTGTATTTGAACC
Novel-mir-321-2	TAACATCACACGTCAGATCTCTCTCACCACCAAACTCGCGCGCAGGCAGCTTGGAAAGATGAAAGACCCTGGACCAAGAAACCTA	-21	-	Novel-mir-321-5p	-	TGGAAGATGAAAGACCCTGGAC
Novel-mir-321-3	TAACATCACACGTCAGATCTCTCTCACCACCAAACTCGCGCGCAGGCAGCTTGGAAAGATGAAAGACCCTGGACCAAGAAACCTA	-21	-	Novel-mir-321-5p	-	TGGAAGATGAAAGACCCTGGAC
Novel-mir-321-4	TAACATCACACGTCAGATCTCTCTCACCACCAAACTCGCGCGCAGGCAGCTTGGAAAGATGAAAGACCCTGGACCAAGAAACCTA	-21.7	-	Novel-mir-321-5p	-	TGGAAGATGAAAGACCCTGGAC
Novel-mir-878	TTTTAGCTTACTATGACCTGGATGACTGAGAATTTGCAACCTGAGAGTAGAGTTGGAGTGCCTAATCAGAGGAGGCAGTAGAGAG	-30.8	-	Novel-mir-878-3p	-	TGCTAATCAGAGGAGGCAGTAG
Novel-mir-875	CGGCAGAGCGTCAAAGTCAGGGTAGTCTTGAAGTCTCCGGTCTTCTAGCATGCTAACTCTGAGAGGCGAGGCAGTTCAGT	-24.6	-	Novel-mir-875-3p	-	TGCTAACTCTGAGAGGCGAGGC
Novel-mir-872	TCAGTGTATTAATAAATTAATCACATTTTGTGGCTAGGGATGCTGGAGATCTAGTTCTGTTGGTGCCTTAGACCTCTCTGCTGCCTT	-19.1	-	Novel-mir-872-3p	-	TGCCTTAGACCTCTCTGCTGCCT
Novel-mir-867	ATCCTGATTTCTACGGTCAATACAGTGAAGTCTTCAATATTATATGCTTTTTCCACTAGAGATGCATTAATACTGTGAAACTGCC	-18.4	-	Novel-mir-867-3p	-	TGCATTAATACTGTGAAACTGCC
Novel-mir-866	TGACTGGAGTAGCTTGGTTCAGATTACCGGCAGTAAGTCAAGCTGTTTCTGGTGCATGTTGACTCTGCCAAGGCTGCCCTTTGT	-29.1	-	Novel-mir-866-3p	-	TGCATGTTGACTCTGCCAAGGC
Novel-mir-857	GATGACCAGCATTAGTGAAGGGTATTGTCCATGGAGTGTAGGTCGGCTGCAAGGGAAGGCCACACTCTGAGCTGTGCA	-29.3	-	Novel-mir-857-3p	-	TGCAAGGGAAGGCCACACTCTG
Novel-mir-856	CTCCCTCTCTCGGAACAGTTCCTTTAGCACAAGACTGTTACATCCCAAGTGAAGAAGGAGCGTTACTGTAGGTCGTTCTCC	-20.5	7	Novel-mir-856-3p	-	TGCAAGAAGGAGCGTTACTGTAG
Novel-mir-854	CGAGGCTCGAGGCTCTGAACAGTCTTTTACGACACAAGACTGTTACATCCCAAGTGAAGAAGGAGCGTTACCGTAGGTCGTTCTCC	-23.4	7	Novel-mir-854-3p	-	TGCAAGAAGGAGCGTTACCGTAG

Novel-mir-852	TTCTAGCTCTCTCATTGCACACTACAGTCACAGTCACAGTTGCACCACAGGTGCACCACAGGTGCAACTGTGACTGACGACATCTGGC TTGGA	-39.6	-	Novel-mir-852-3p	-	TGCAACTGTGACTGACGACAT
Novel-mir-849-1	TCITTTGGATCAAGTACGTTGCTGTCCAAACCCATCCTCGTTCATCTGCAAAATGATGTAATTTGGCCAGGCACCTGGCTGACCAA AT	-23.2	-	Novel-mir-849-3p	-	TGATGTAATTTGGCCAGGCACCTGG C
Novel-mir-839-2	AGGTCTCTCTGTGCGAGTGGGGAGTGAATGTGTCATATGTTTTGATGCTGGAAGCACCTTCTGAGTTATCATTCTGTAGACAGTC AAGATT	-18.5	-	Novel-mir-839-3p	-	TGAGTTATCATTCTGTAGAC
Novel-mir-835	GGGGAGTTGTGGAAGGGCAGACATGGTGGCTTTGGAGAATCGTCAACGATGTTGAGTATGACAGTGTGCCCTGGGAGGGA GGAAG	-19.9	-	Novel-mir-835-3p	-	TGAGTATGACAGTGTGCCCTGG G
Novel-mir-833-1	TGCGGACGCTGGGGTCACTCCTGGTCGTAGGTGAAGCGATGATGGCTGAGGAGACAGGAGCATGCATAGATAGTTAACG	-18.3	-	Novel-mir-833-3p	-	TGAGGAGACAGGAGCATGCATAG
Novel-mir-833-2	TGGTTATGGATCGGGCTGTGGACGCTGGGGTCACTCCTGAGCTAGTCTGGTTGAAGCGATGATGGCTGAGGAGACAGGAGCATG CATAGATAGCTAATG	-33.2	-	Novel-mir-833-3p	-	TGAGGAGACAGGAGCATGCATAG
Novel-mir-830	ACAGAGTCACGTGTTAAAAACAGGCCCTGGTGACCGGGAGCTGTGGCCAGCTGTGTGAGCAGGGCTGTGTTTTGAGCAGGT GTGCTG	-48.5	-	Novel-mir-830-3p	-	TGAGCAGGGCTGTGTTTTGAGC
Novel-mir-823	AATATTTTCAAGTTGCATTTTTAGTTCTCTTAATTCATTTTTGTGTTTCTCGTAGGGTTTGAGAATGTAATCTGTGAGTTGTTTTAT CT	-18.6	-	Novel-mir-823-3p	-	TGAGAATGTAATCTGTGAGT
Novel-mir-822	CCTGACGTTCCACCAGGTGGCGCATTAGGCGCGGTGATACATTGACTTGATTTTGGCGAGCCAGGGCTACTCTCAG	-19	-	Novel-mir-822-3p	-	TGACTTGATTTTGGCGAGCCAGG G
Novel-mir-821	TGGGTGTTTTGGCTGTGTGACTACAAATTTGCCAGTCACTTGTCACTTATAGGGATGCTACTCATGACTGTGTGCACATGTGCTT CCATGCTCTC	-21.7	-	Novel-mir-821-3p	-	TGACTGTGTGCACATGTGCTT
Novel-mir-820	AGCTCAGAGAGGAATCTTCTGCGAACCACTGCTTCGAGGCTTGATCGTTGCCAAAAAGACATGTGACTGATGATGCCAGCGACG AACAGCTGGCC	-24.8	-	Novel-mir-820-3p	-	TGACTGATGATGCCAGCGCAGA A
Novel-mir-819-1	AGTCGAGCCAGGAGAGGGATCTCCGAACCACTGCCTCGGGGCTGTCTCGTTGCCTAAAAGACTTGTGACTGATGACGTCCGAC GCAGAAATGGCTGGCC	-35.2	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-819-2	CGCGAACCACTGCCTCGAGGCTGTATTGTTGCCAAAAGACACGTGACTGATGACGTCCGACCGAGAATCGGCTGGCC	-18.7	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-819-3	CGCGAACCACTGCTTCGAGGCTGTATCGTTGCCAAAAGGACATGTGACTGATGACGTCCGACCGAGAATCGGCTGGCC	-22.7	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-819-4	CTCCAGCGAACCACTGCCTCGAGGCTGTATCATTGCCAAAAGACACGTGACTGATGACGTCCGACCGAGAATCGGCTGGCC	-24.4	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-819-5	TCGAGCTGGGAGAGCTCTCCCGAACCACTGCCTCGAGGTTGTATCGTTGCCAAAAGACACGTGACTGATGACGTCCGACG CAGAAACGGCTGAG	-26	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-819-6	TTCCACGAACCACTGCCTCGAGGCTGTATCGTTGCCAAAAGACACGTGACTGATGACGTCCGACCGAGAATCGGCTGGCC	-20.2	-	Novel-mir-819-3p	-	TGACTGATGACGTCCGACCGAGA A
Novel-mir-817	AACCTGACTAGATTTCTAGTCTAGATTTTCAGTTGATTTTTTCAGTTTACTATGACCTGGATGACTGAGAATCTGCACGGACATCTAA TATTCTG	-25.1	-	Novel-mir-817-3p	-	TGACTGAGAATCTGCACGGACAT C
Novel-mir-816	AAGTCCAAAGCATATGCCAGTGTGTGAGTTTTTTGGATGCACAGTATACTGACTCAAGAAACTGGCATATGTTTTGGACAT	-44.3	-	Novel-mir-816-3p	-	TGACTCAAGAACTGGCATATG
Novel-mir-815	AGTCCAAAGCATATGCCAGTGTGTGAGTTTTTTGGATGCACAGTATACTGACTCAAGAAACTGGCATATGTTTTGGACA	-44.3	-	Novel-mir-815-3p	-	TGACTCAAGAACTGGCATAT
Novel-mir-814	AGTCCAGTTTTGTGGACCACAGGATCTCGTCTGCTTTTTGCAGATGACGTTGCTCCTGTTAGCTCCATCAAAACAAGGAC	-38	-	Novel-mir-814-3p	-	TGACGTTGCTGTTAGCTCCATC
Novel-mir-813	CGGGAAGTGATCCAGACAAGAGCTGAGGGAAGCAGGTTCCCTGGATGAGGTTTGTCAACCAATGCTGACCGAGGACTTCTGGG TGACATCGGACA	-28.6	-	Novel-mir-813-3p	-	TGACCGAGGACTTCTGGGTG
Novel-mir-811	ACCATAAACATGAATCTGTCCCTGACCACAATCGTCAGGTTGACAATCTCGGGGCAGCATATATGCACCAAGC	-18.4	-	Novel-mir-811-3p	-	TGACAATCTCTGGGCGACATAT A
Novel-mir-810-1	AGCTTTGGAATAATGATCAACGTGAGAATGACAGGGTTCCCTGGGAGGAGGTAGGCCGGTGACAAAGTCTAGGGCGATATGAG TCCAGGGCC	-30.5	-	Novel-mir-810-3p	-	TGACAAAGTCTAGGGCGATATGA
Novel-mir-810-2	CGGTGACGATGTTGAGAATGACCATGTTGCCCTGGGATGGAGGCAGGCCGTTGACAAAGTCTAGGGCGATATGAGACCAGGGC C	-29.5	-	Novel-mir-810-3p	-	TGACAAAGTCTAGGGCGATATGA
Novel-mir-808-1	AACAAAGACAGGTATCAGAATCAGAGTCAGCTTCACTGGCCAAGTATCTTGACCACACAATGAATTTGACTCTGGTACAGTGGCTCT TAGTGTG	-26	-	Novel-mir-808-3p	-	TGAATTTGACTCTGGTACAGTGG C
Novel-mir-808-2	ATTTCTGGATGCTAATGTCTAAAGATCAGAATCAGAATTAGAATGAATTTGACTCTGGTACAGTGGCTCTCAATGTG	-19.3	-	Novel-mir-808-3p	-	TGAATTTGACTCTGGTACAGTGG C
Novel-mir-808-3	TAATTCAGGTCCTGTATTCAGAATCAGCTTTATTGGCCAGGTGTGTTGGACACACAATGAATTTGACTCTGGTACAGTGGCTCTTAA TGTG	-28.7	-	Novel-mir-808-3p	-	TGAATTTGACTCTGGTACAGTGG C

Novel-mir-806-1	GATGATGGTGTTCATGTTGGAGACACAGTAATGGGTGTACAGGGTGAAGAGTCTGGGGCTGAGACAGCAGCCCTGCGG	-20.3	-	Novel-mir-806-3p	-	TGAAGAGTCTGGGGCTGAGACAGC
Novel-mir-806-2	GGGTGAGAGGGTACGGTTTCAGCCACAGCTTTCTGTCTGCCTTACAGTCTGGGTGTACAGGGTGAAGAGTCTGGGGCTGAGA CAGCAGCCGTGCGG	-37.5	-	Novel-mir-806-3p	-	TGAAGAGTCTGGGGCTGAGACAGC
Novel-mir-805	CGGGAGATTGACAGCGGATCGGTGCAGCTTCTACAGTAATGCGGTTGATGTACCAGTCCGCTGTTGGTGAAGAAGGAGCTGAGCT GTAAGTTGAAGCTCTC	-34.2	-	Novel-mir-805-3p	-	TGAAGAAGGAGCTGAGCTGTAAGT
Novel-mir-804	AAGTGGATTCTGTGAGTAACCTATTTTGTGACTGGATGCACAGTGAACCTGTAATGTGTGGACACGCGTCAAACAA	-19.3	-	Novel-mir-804-3p	-	TGAACTTGTATGTGTGGACAGC
Novel-mir-802	AAATGCTTAAATCGATTTTTTGTGTGCAGTTTGTGAGCTTTGCAGCTTACCAGCGTTGAACTCGGGAAGAAATTTGACAGAAGC AATA	-20.1	-	Novel-mir-802-3p	-	TGAACTCGGGAAGAAATTTGAC
Novel-mir-801	AAGGGTGAGGGTTTGTAGTCTTTAGGGTCCGGCCAGGGGACAGAAAAAGAGTACCAGCTGAACAGAGGACTCAGGACAAGGGC AGCATCGGC	-29	-	Novel-mir-801-3p	-	TGAACAGAGGACTCAGGACAAGG
Novel-mir-800	GTGATCATGGGCTCTGGCTGCATCTGTATCAGTCTTCTCTGTATGAGCTGAAAGTTAGAGGGACGGCCAAAGTCTTAGTCA	-28.2	-	Novel-mir-800-3p	-	TGAAAGTTAGAGGGACGGCCAA
Novel-mir-798	AGCCAGAGGGCAAAGAAGTGAACAGTCCGTGCCAGGGTGGGTTGGATCTTTGAGGACGGAGGACGTTTCTACGC	-21.4	-	Novel-mir-798-3p	-	TCTTTGAGGACGGAGGACG
Novel-mir-796	CCGATGCTCTGGCTGATAGTCTAGTGGTGTGGATCAGTGTGAATCGATCTTGTCTACTCTGGCATAACAGCTTGTATCAT	-30.4	-	Novel-mir-796-3p	-	TCTTGTCTACTCTGGCATAACAGC
Novel-mir-795-1	ATGCTGGTTTCCGAGCACTAATTCGGCCATTGAGACCATTGTGTGAGAGAATTTGACAAACTGTTCTTTGATAGATACAGGGTTTCTG GTGACCAAGTT	-29.5	-	Novel-mir-795-3p	-	TCTTGTAGATACAGGGTTTCTG
Novel-mir-795-2	ATGCTGGTTTCTGAGCACTAGTTCGGCCATTGAGACCCTGCATGAGAGAATTCGACAAACTGTTCTTGTAGATACAGGGTTTCTG GTGACCAAGTT	-28.6	-	Novel-mir-795-3p	-	TCTTGTAGATACAGGGTTTCTG
Novel-mir-795-3	TAAATGGTCATTGAGACCCTGCATGAGAGAATTCGACAAACTGTTCTTGTAGATACAGGGTTTCTGTTGACCAAGTT	-27.8	-	Novel-mir-795-3p	-	TCTTGTAGATACAGGGTTTCTG
Novel-mir-794	TAACATCTTGTCTGTCTGCATCTCTAAGTTAGTGCCTGTGCCTGTATGCCAGTCTTGTAGAGCGAAGCAGACACACAACAACACC	-22.8	-	Novel-mir-794-3p	-	TCTTGTAGAGCGAAGCAGACACA
Novel-mir-790	AAAATGTGTCCAGCCAGGATAATTAAGGAGGTCATTGACACTGTGGGGCCACTTTGCTCATATTTCTTAACTGTCTTTAGGCT GGGCATGGAAC	-33.4	-	Novel-mir-790-3p	-	TCTTAACTGTCTTTAGGCTG
Novel-mir-789	TTCAGGCAGGTGACCAGGCTCTCTTGGGAAGACAATGTTTGGTCTTAAAGCAGGTGGGATGATGCTCTGGCTGAG	-23.1	-	Novel-mir-789-3p	-	TCTTAAAGCAGGTGGGATGATG
Novel-mir-788	TTCAGGCAGGTGACCAGGCTCTCTTGGGAAGGGGACGATGTTGTAGTCTTAAAGCAGGAGGAAACGATGCTCTGGCTGAG	-29.6	-	Novel-mir-788-3p	-	TCTTAAAGCAGGAGGAAACGATG
Novel-mir-787	CACAGGTCAAAGGAGGCGAGAGGATCATTGCAGACCCCTCACACCCTGGACACAATCTGTTTGAACCTCTCCCTCTGGATGG CGTTAC	-29.2	-	Novel-mir-787-3p	-	TCTGTTTGAACCTCTCCCTCTGG
Novel-mir-786	CACGGGTCAAAGGAGGGTGGAGAGGATCACTGCAGACCCCTCACACCAGGACACAATCTGTTTGAACCTCTCCCTCTGGACGG CGCTAC	-27.1	-	Novel-mir-786-3p	-	TCTGTTTGAACCTCTCCCTCTGG
Novel-mir-785-1	TGTACACCTCACAGGGCAAAGGAGAGGGAAAGATTTCTGCAGACCCCTCACACCCTGGACACAATCTGTTTGAACCTCTCTCTCTG GCTGGTCTAG	-25.1	-	Novel-mir-785-3p	-	TCTGTTTGAACCTCTCTCTCTGG
Novel-mir-785-2	TGTACACCTCATGGGTGAGTGGGGGACAGAGAAGATTTCTGCAGACCCCTCACACCCTGCACACAATCTGTTTGAACCTCTCTCTCT CTGGACAGTGTAC	-28.1	-	Novel-mir-785-3p	-	TCTGTTTGAACCTCTCTCTCTGG
Novel-mir-784-1	GCCAGCGCCTGCTCGGCATCGTCTGTACTGAGCCCTTCCACTGCCGCTGTTTATCACGGCGTTTGAACAGGCAATTGC	-26.6	-	Novel-mir-784-3p	-	TCTGTTTATCACGGCGTTTGAAC
Novel-mir-784-2	GGTGGTGGCCTGCGGGCGCCTGCTGGCGCTGTGGAGACTGAACCTTCCACTGCCGATCTGTTTATCACGGCGTTTGAACAGG CAATTGC	-32.9	-	Novel-mir-784-3p	-	TCTGTTTATCACGGCGTTTGAAC
Novel-mir-784-3	TGCCGGGCGCTGCTCGGCACCGTATGACTGAACCTTCCACTGCCGCTGTTTATCACGGCGTTTGAACAGGCAACTGC	-24.6	-	Novel-mir-784-3p	-	TCTGTTTATCACGGCGTTTGAAC
Novel-mir-781	CATTTTGTGATACCACATACGTCACATCCAGGCTGCCACCTGTCTGTGAGGATGTATGTATGCCAAACTATTGT	-22.1	-	Novel-mir-781-3p	-	TCTGTGAGGATGTATGTATGCC
Novel-mir-780	ATTTTGTGATACCACATACGTCACATCCAGGCTGCCACCTGTCTGTGAGGATGTATGTATGCCAAACTATTG	-22.1	-	Novel-mir-780-3p	-	TCTGTGAGGATGTATGTATGCC
Novel-mir-775	CCATTCGGCTTGCATGAGACCTGCAACCTTTCAAGTGGTTGGTGGACGAGTTCTGAGAGAGCAGAGGACTATGCAGCTGCTTA C	-33.1	-	Novel-mir-775-3p	-	TCTGAGAGGAGCAGAGGACTATG
Novel-mir-773	GGGCTGAAGACTCTGATATCTTCTCCCTGAAGGCAGGAGTCTGAAGTGGGAGTGTGAGGGTGAAGTGC	-22.7	-	Novel-mir-773-3p	-	TCTGAAGTGGGAGTGTGAGGGT
Novel-mir-772	CGGAGTGATATGGGCATGCCAACGAGTGTGTCAGCAGACGGCAGCTGCGTTCTGAACAAGTTGAGCCTGGAGAGTGTATGC	-22.8	-	Novel-mir-772-3p	-	TCTGAACAAGTTGAGCCTGGA

Novel-mir-771	CCAGTTTCACAGTGACTACATCTATTATCGGCTTCTCAGGGGTTAAACAGATGAGTGTCCGTTCTCTGAAGAAGTTCCTTGTAGGTG GAACAATC	-24.8	-	Novel-mir-771-3p	-	TCTCTGAAGAAGTTCCTTGTAGG
Novel-mir-770-1	ACAACCTAGCCATCCTCAGTGCAGAACACCAGAGGGATTGGGACATGCACCTCCCTCTCGTCTTACTGGCCTACAGGTCGGCTGTAC	-27.5	-	Novel-mir-770-3p	-	TCTCGTCTTACTGGCCTACAGGTC
Novel-mir-770-2	ACAACCTGCCATCCTCAGTGCAGAACACCAGAGGGATTGGGACATGCACCTCCCTCTCGTCTTACTGGCCTACAGGTCGGCTGTAC	-25.7	-	Novel-mir-770-3p	-	TCTCGTCTTACTGGCCTACAGGTC
Novel-mir-769	CAGAGAGCTGTAGCAATGCTAAGTCTCAGTATCTATCCAAATTATCTCGGAGAATAGGCATCAGCCGAGAGTCTTTTT	-21.9	-	Novel-mir-769-3p	-	TCTCGGAGAATAGGCATCAGCCG
Novel-mir-768	TGGGTTATTTTGGTCCCGCTGCTGCGCTGAAGGACGGCTGTATATTATGAGCTCTCCTTTGAGTCAGTCGGCCCCAGATCTGCCC	-36.1	-	Novel-mir-768-3p	-	TCTCCTTTGAGTCAGTCGGCCCC
Novel-mir-767	TGTGGTGCAACGTGGCGTTGGTGAATGGAGCGAGAGTCTGAGGATCTCATCTCGGTACCTAATGGCAGTCACGCTACC	-26	-	Novel-mir-767-3p	-	TCTCATCTCGGTACCTAATGGCA
Novel-mir-764	CCTGTTGGCCGACGCTATGGTCTGATGGGCATGTTGGCCAGAGATCTCAAAACAGGATTGTAGACGGATTACAAGTTG	-27.3	-	Novel-mir-764-3p	-	TCTCAAAACAGGATTGTAGACGG
Novel-mir-760	TATAAGCTTGTGGTCTCAGTGTGTCGATGAGGATTGTTCTTAGTGTGCATTCACATCCTCTAGTAGACTGTGAGAAGGCACT TCACCTAGT	-21.8	-	Novel-mir-760-3p	-	TCTAGTAGACTGTGAGAAGGCAC
Novel-mir-252-2	CCTCATTGTAACATGAGGTTTAGCTCCATGATCATATCTCTCTCCTCCTCTTCTCCTACTTCTTAGGAGTAGACACCTTACTGG CCACAATCAGA	-18.1 5	-	Novel-mir-252-5p	-	TCTAGGAGTAGACACCTTACTGG
Novel-mir-758	GACTGTTGTATCATCTGTGAAGTTGAGGAGTTTAAACACAGGGTCCCTGAGGTGCAATCGTTTAGGGAGAACAGCAGAGGGGAGA GCAAAC	-22.5	-	Novel-mir-758-3p	-	TCGTTTAGGGAGAACAGCAGAGG
Novel-mir-755	ATAAAATGAGCTAGAGCTAGCATCTGCTCCGGGAGAGGGCCTTGGTGGGTAGAGTGAAGCAGTGAAGCACCACCAACA	-20.4	-	Novel-mir-755-3p	-	TCGGGTAGAGTGAAGCAGTGAAG
Novel-mir-754	ATTAGCACAGCTAACTTATTAGCAAGCGAGTCCGACTTTGATTTCTGACTGCATCGCTTCGGCTGTGATTTAGCATCCGCTACT	-19.8	-	Novel-mir-754-3p	-	TCGCTTCGGCTGTGATTTAGC
Novel-mir-747	CGGACACGGCGGGCCCGTTCTTACAGGGTCCAGCGGCATGCCCTAATCCATGGGTTTATCCGTTAGGTCCTGGAAGGATGTGT TGGTCCC	-38.3	-	Novel-mir-747-3p	-	TCCGTAGGTCCTGGAAGGATG
Novel-mir-746	TCTCCTGGGTTTTCCCTGGGGCCTTTTCTGGTGGGACATGCCCGAACAACCTCCCTAGGAAGGCGCTCAGGAGGCATCCAAAAACA	-34.8	-	Novel-mir-746-3p	-	TCCCTAGGAAGGCGCTCAGGAG
Novel-mir-743	AGACTTGAGAAGCAGACACAGACCCAGAACTGCAGAGAAATCCAGTGGTTCTGTTTCTCCTCTCAATCC	-22.8	-	Novel-mir-743-3p	-	TCCAGTGGTTCTGTTTCTCTCC
Novel-mir-741	CCTGTTGAGAGATGCTCATCACAACATTGTTCAAGTGTGATGTTACACAAAGCCCTATGTTGACTAATGCTGGTGGGGAATC TGCAG	-19.3	-	Novel-mir-741-3p	-	TCATGTTGACTAATGCTGGTGG
Novel-mir-736-1	GTCTCCACAGCCAAGTTCAGCTCAGATGGCTGAGCTCATTGCTCTCATAAAGCATGTAAGTTGGCAAAGATAAAG	-20.8	-	Novel-mir-736-3p	-	TCATAAAGCATGTAAGTTGGCA
Novel-mir-736-2	GTCTCCACAGCCAAGTTCAGCTCAGATGGCTGAGCTCATTGCTCTCATAAAGCATGTAAGTTGGCAAAGATAAAG	-22.3	-	Novel-mir-736-3p	-	TCATAAAGCATGTAAGTTGGCA
Novel-mir-736-3	GTCTCCACAGCCAAGTTCAGCTCAGATGGCTGAGCTCATTGCTCTCATAAAGCATGTAAGTTGGCAAAGATAAAG	-21.7	-	Novel-mir-736-3p	-	TCATAAAGCATGTAAGTTGGCA
Novel-mir-735	CCAGTTCGGTTGCCAATGAGAAGGTGACCCTAAGGGATCAGTTTGTAGAAGGGTAAGCGATCCGGCACTG	-20.2	-	Novel-mir-735-3p	-	TCAGTTTGTAGAAGGGTAAGCG
Novel-mir-733	AAAGGATTGCTGGCACAATTATCAAAGGACTTGTGAGAGACATTTTATGTGACTCAGTTGTAATGTGATGATGCTGTTTCCA CC	-19.7	-	Novel-mir-733-3p	-	TCAGTTGTAATGTGATGATGCTG
Novel-mir-732	CAGCCAGCACTAAAGAGTATTTAAAGTCTTACTCCCAAGACAGTATCACGTTACCTCAGTTGGAATAACTTGTACTAGTGGTTGG TGC	-26.2	-	Novel-mir-732-3p	-	TCAGTTGGAATAACTTGTACTAG
Novel-mir-731	AGCTGTGACTGTGCAAGCTCTAGCTGTTCTCTCGGGACAGATCAGTGAAGGACTGGAGAGCCGGTCCCTCCAGGG	-25	-	Novel-mir-731-3p	-	TCAGTGAAGGACTGGAGAGCCGG
Novel-mir-728	GTTTACGCTACGGTTGACAAACATGTCATTCTTATTATAAGTAGCTTGGCTAATTGAATTCAGAGAATACCGGGTATCAGCAGGAG CACAGAT	-19.3	-	Novel-mir-728-3p	-	TCAGAGAATACCGGGTATCAGCA
Novel-mir-726	CAGAAAGGGGCTCCGCTGACATTGTACATTCTGACTTTTTCTCAAATTTGACTTTAAAGTCAGAAAGTATGGGTACCTGTAGGGA TCCAAGTTC	-26	-	Novel-mir-726-3p	-	TCAGAAAGTATGGGTACCTGTAGG
Novel-mir-724	CCTTAGAAGGACACTGTTTTGGAGATAAAAGTAACTTCACTCAGTAATGGTGTTCACCTTATGACTTATGAGGATAGCCTTCA TGCA	-23.8	-	Novel-mir-724-3p	-	TCACCTTATGACTTATGAGGATAG
Novel-mir-720	AAATGTGCTGTGTTGACCAGTATACAGGGGATGATAGGGACATGGACATGCAGTCGATAAATTTCAATCAGGCTTTAAGACTCGTC ATAGCACTGAA	-25.6	-	Novel-mir-720-3p	-	TCAATCAGGCTTTAAGACTCGTCA
Novel-mir-719	GGTAGTGGGTGGCGTCTGGCAGTGTCTGTTTCTGTTTGTAGCAAACGGTAATCAATACACAGTCTCAGCGTGCATCTCGTTTT	-22.7	-	Novel-mir-719-3p	-	TCAATACACAGTCTCAGCGTGC

Novel-mir-716	CTGGTGCCTTTGACATGGTGGACCATGACATTTTGATATCTCACCTTCAAGATTTAGTGGGCATTCGTGGTGTGCCTTA	-18.2	-	Novel-mir-716-3p	-	TCAAGATTTAGTGGGCATTCGTG
Novel-mir-711	GGCTGGAGATGGGCTGTTGCCAAAGACATGGATCTTCAGTTAGTAGTCAATAACCTCCTTATTGATGTCATTGCTTTATACCATAAA AAGCA	-19.6	-	Novel-mir-711-3p	-	TATTGATGTCATTGCTTTATACC
Novel-mir-709	ATGTCTCTCTGTTGTCATTCTCCTCAACTTCTGCCTGAGAGAAAACGGGAAGATCTGTCTGCACAGTATTAAGTCTGGGAGGTCTGT TCACGACTGCTTT	-20.1	-	Novel-mir-709-3p	-	TATTAAGTCTGGGAGGTCTGTTC
Novel-mir-708	GCACAAGACTGTTACATCCCCAGTGTA AAAACCTAGCATATAAGTTATTAAGGCTGTCTGGGAGGGTGACGTCATGGGA	-20.7	-	Novel-mir-708-3p	-	TATTAAGGCTGTCTGGGAGGGTG A
Novel-mir-703	ACCGTGTGGCCGTGTGAGGGAGGCGCCGGTAACAAAGTCAAGGGCTATATGAGACCAGGGCCGACTAGGCGTAGTAAGCGG	-24.5	-	Novel-mir-703-3p	-	TATGAGACCAGGGCCGACTAGGC G
Novel-mir-702	ACTGAAAAGGCTCTCCAGGGGTGCTCAGCCTCATAGTCTACACTGCTTGGACAGAGCAGACTATCCGGTAGTCAACCTGGCGCT GCTTTTCAG	-36.9	-	Novel-mir-702-3p	-	TATCGGTGATGTCACCTGGCGC
Novel-mir-701	AGAGAGGAGCGGGGTTAATTTCTGAAGATGATTTATAGACACCTGGTAGGTGTCGGGATTATCATCGTTGGGAGGACTGCTACTG TTACCACT	-25.1	-	Novel-mir-701-3p	-	TATCATCGTTGGGAGGACTGCTA C
Novel-mir-699	AACAAATACAACATGACACATTTATTGACACAGAGGCATCAATTTGTGAAGTTGGTGAATATCAATCGATGAGCTGGACATTGTA TGTGGA	-20.1	-	Novel-mir-699-3p	-	TATCAATCGAGTGAAGTGGACAT
Novel-mir-698	ACAATCTATAGCTTTAGGTTATGACATTGTGAAACATGTTTAAAAAACACACTTGCATGCGACTCTATAGAGGAAGAAGAACAGAGG CTATGGAGATT	-21.1 6	-	Novel-mir-698-3p	-	TATAGAGGAAGAAGAACAGAGG C
Novel-mir-695	GGCCGGAGCGTTGCAGAGCCAAACGGCATCACCTGGAAGTCCACCCCTTGTCCGATAGTGAATGCTGTTTTGGGGCGGGCCTCT GGTG	-35.8	-	Novel-mir-695-3p	-	TAGTGAATGCTGTTTTGGGGCGG
Novel-mir-693-1	GTTGGAATACTGCAATGCTCTGATTTTGGAGTTCCTCAGTCTTTGCTCAACAACTCCAATTAGTCCAAAATGCAGCAGCTCGGCTG CTATCTAA	-26.1	-	Novel-mir-693-3p	-	TAGTCCAAAATGCAGCAGCTCGG C
Novel-mir-693-2	GTTGGAATACTGCAATGCTCTGATTTTGGCGTTCCTCAGTCTTTGCTCAGCAAGCTCCAATTAGTCCAAAATGCAGCAGCTCGGCT GCTATCTAA	-25.1 4	-	Novel-mir-693-3p	-	TAGTCCAAAATGCAGCAGCTCGG C
Novel-mir-693-3	GTTGGAATACTGCAATGCTCTGATTTTGGAGTTCCTCAGTCTTTGCTCAACAACTCCAATTAGTCCAAAATGCAGCAGCTCGGCTG CTATCCAA	-30.6	-	Novel-mir-693-3p	-	TAGTCCAAAATGCAGCAGCTCGG C
Novel-mir-692	GTTTGGTTTTGGCGTATAGTGTGGTTTTGACTGGCGGCATCCACTGCAAGTGGATGATGATTGGTTCGATGAATGATTCCGGGTC CGATA	-26.3	-	Novel-mir-692-3p	-	TAGTATTGGTCGATGAATGATTCC
Novel-mir-690	TATCATAAGGATCAGTACCATGGTATAGTCTATACCTGTGTGTGTAGGCTGTGAGATGGTATTGATCCTTATGCTA	-43.8	-	Novel-mir-690-3p	-	TAGGCTGTGAGATGGTATTGAT
Novel-mir-689	TCTCTATCCTCCATGTCACAGAGGCAACCATACAGGAGGCGGGTAGGATGGTTCTGGAGGGGTGCCGAGGTAGAG	-26.8	-	Novel-mir-689-3p	-	TAGGATGGTTCTGGAGGGGTGT C
Novel-mir-685	ATGTGCGGGCCAGGATGGTGTGGCGGTCCAGGAGATGCTTTTAGCTCCTTAGGAAGGTGAGGAGACGTTGGGTGTTG TAAGA	-28.1	-	Novel-mir-685-3p	-	TAGGAAGGTGAGGAGACGTTGG G
Novel-mir-684	AGGACCACATACATTTTACCCTTTTCTGAATGGCCTTCGGGGAACACCTTTACGAGACATAGCTTAGAGCAGGAACGTGGAAAC TTGCTGTCT	-18.3	-	Novel-mir-684-3p	-	TAGCTTAGAGCAGGAACGTGGAA G
Novel-mir-682	CAAACAGGAACAAGGCCAGTTGCATATCAACGCTGCTGTCAAGGGTAGATGAGACATGAGCCAGAGGTGCCCTAAAAC	-20.1	-	Novel-mir-682-3p	-	TAGATGAGACATGAGCCAGAGGT G
Novel-mir-680	TAATTAAGGTTGGGGCGACTGTTCAATTTCTGTTTGTGGCCCTAGACTATGGAATGCCCTGCCGTTGAACT	-23.2	-	Novel-mir-680-3p	-	TAGACTATGGAATGCCCTGC
Novel-mir-676	TGCCATACTGTCCATTTGTGCGGTGATGTGTACAGGAGCAGAGGCGCTACTTGCACCGGAGCCAGCAGGGTCTATGATGGC	-25.5	-	Novel-mir-676-3p	-	TACTTGACCGGAGCCAGCAGGG T
Novel-mir-675	ATTGACGTCACCTCCACTGATGTGTGTAGTATGGGTGACGAGTGGTCTGTCTACTTAGTATGGAGATATGTGGTTGTGCGTT AA	-28.2	-	Novel-mir-675-3p	-	TACTTAGTATGGAGATATGTGGT
Novel-mir-675	CTGACGTCACCTCCACTGATGTGTGTAGTATGGGTGACGAGTGGTCTGTCTACTTAGTATGGAGATATGTGGTTGTGCGTTA A	-27.9	-	Novel-mir-675-3p	-	TACTTAGTATGGAGATATGTGGT
Novel-mir-674-1	AACCAAGTTGTTCTGGAAGTCCGGAAGTCCAGACGGAACATTTTTAGTTCAGGCTCCTATACTGTGGAATGGTCTGCCATGGGAG ATTAGATC	-22.8	-	Novel-mir-674-3p	-	TACTGTGGAATGGTCTGCCATGG G
Novel-mir-674-2	ACTCTATATTGTCCAGACTGACACACTGGGAAGACCGAGCTTTTTCAGTTCGGGCTCCTATACTGTGGAATGGTCTGCCATGGGAGA TTAGATC	-31.1	-	Novel-mir-674-3p	-	TACTGTGGAATGGTCTGCCATGG G
Novel-mir-670-1	CCTGTCACCTGGAACGCCCTCACCTGTGCGGGGGCGGAGCTGCTGGAACACTGTGCCTGCTACCGAGGTACAGGGGGCG GCCCGGTACGGAC	-47.8	-	Novel-mir-670-3p	-	TACCGAGGTACAGGGGGCGGCC CG
Novel-mir-670-2	CCTGTCACCTGGAATGACCCCTCACCTGTGCGGGGGCGGAGCTGCTGGAACACTGTGCCTGCTACCGAGGTACAGGGGGCG GCCCGGTACGGAC	-45.4	-	Novel-mir-670-3p	-	TACCGAGGTACAGGGGGCGGCC CG
Novel-mir-670-3	CCTGTCGCTGGAACGCCCTCACCTGTACGGGGGGCGGAGCTGCTGTGCCTGCTACCGAGGTACAGGGGGCGGCCGGGTC ACGGAC	-45.5	-	Novel-mir-670-3p	-	TACCGAGGTACAGGGGGCGGCC CG

Novel-mir-670-4	CCTCGTCGCCTGGAATGCACCCTCACCTGTGCGGGGGCGGAGCTGCTGGAACCTACCTGTGCCTGCTACCGAGGTACAGGGGGCCG	-45.7	-	Novel-mir-670-3p	-	TACCGAGGTACAGGGGGCGGCCG
Novel-mir-667	CCGCTGGAAGACTCAGTGTTTTGACCCGATAGCACAACTGCTAAAGTACATTGGCAACGAGACATCAAGTTTCACACGT	-23.1 1	-	Novel-mir-667-3p	-	TACATTGGCAACGAGACATCAAGG
Novel-mir-663	AATTAGTCCACTTCAACGTGAGTCTCAGTGTTCAGACTCTTTATTTCTCGTCTCCATACAGAACAACCTCTCTCTGAGGTGACTA	-21.3 2	-	Novel-mir-663-3p	-	TACAGAACAACCTCTCTCTGAGG
Novel-mir-662	GGGGTGCAGATAAGGCGCACAGTACACTTGTGGCTGTCTGTGAAACGAGCATCGGGTACTCCTTTACACAACAGTCAAGGACACACCAGTGAT	-37.1	-	Novel-mir-662-3p	-	TACACAACAGTCAAGGACA
Novel-mir-659	AGGGGGTAATGGATATTTGTCTTAAGTGTATAGCATTAAAGTCCGCGGTAATCAATGCAAGGACGAGGCGCCGCTCCA	-21.4	-	Novel-mir-659-3p	-	TAATCAATGCAAGGACGAGG
Novel-mir-658	AGAGGAGAGGTAATGGTATTTGTTTAAATGGTATGGCATTGATACCACAGTAATCAATACATGGACGAGGCCACCTCCTT	-20.1	-	Novel-mir-658-3p	-	TAATCAATACATGGACGAGG
Novel-mir-657	CACGTGCTTCCACAGTGGCTTGTCCCTGAACCTGGTCTGGTACAACGACTCAGGAATAAGTCTGGCTGCCCTGTGTCTATTT	-24.7	-	Novel-mir-657-3p	-	TAATAGTCTGGCTGCCCTGTGT
Novel-mir-656	ATTAGTATTGGTGACTGTCTTACTTAGTAGTGGCTTTGGCTGTATTTTAAAGTGAATTAATAAGTGATAAGGGACGGTAAC	-25.3	-	Novel-mir-656-3p	-	TAATAAGTGAAGGGACGGTAA
Novel-mir-655-1	CCATAGCTTTCCTTTGTACCGCACGTATGATGACTTGGGACCCATAAGTATGGTATCAGGTCCTAGAGGAAGCTTACA	-21.9	-	Novel-mir-655-3p	-	TAAGTATGGTATCAGGTCCTAGA
Novel-mir-655-2	CCATAGCTTTCCTTTGTACCGCACGTATGATGACTTGGGACCCATAAGTATGGTATCAGGTCCTAGAGGAAGCTTACA	-24.6	-	Novel-mir-655-3p	-	TAAGTATGGTATCAGGTCCTAGA
Novel-mir-653	ACAGTAGACTCCTCCGTACCTCATACTATTGATGGAGTCTCTGATCCTGATAAGATAGTGTAGTTTTGGCGGCTCATTACTGC	-20.3	-	Novel-mir-653-3p	-	TAAGTAGTGTAGTTTTGGCGGC
Novel-mir-651-1	ACTAGAGAGAAGAGTTGATGACTGTGACGACAGAGGGTGTAAATATTATTATTGACATGTATAACTGTAGACTTAGCCATAATGTT	-18.1	-	Novel-mir-651-3p	-	TAAGTGTAGACTTAGCCATAATGT
Novel-mir-651-2	CACCAGAGAGAAAAGTTGATGACTGTGACGACAGAGGGTGTCAATATTATTATTACGACTGTATAACTGTAGACTTAGCCATAATG	-18.1	-	Novel-mir-651-3p	-	TAAGTGTAGACTTAGCCATAATGT
Novel-mir-649	TGGAATGTGCTACAAGCCAGGTGTGTGAGTGTGTGATGTCAAGGCGGTAGATAACAATGAATACTGGACAATTGGTTGTCCG	-18.5	-	Novel-mir-649-3p	-	TAACAATGAATACTGGACAAT
Novel-mir-647	ATAATGCAATAACTCACTCACATTGCAACATTTAGACACTGGTAGGAGACTGTGATACCTTCCCTCTTAAATGGATAGTAGTGGACTG	-25.6	-	Novel-mir-647-3p	-	TAAATGGATAGTAGTGGACTGGT
Novel-mir-644	TTGGATCTGCACCTTGGGCATTTTTGTATGTCCGCTCGAACATGGAGGAGAGGGAGTAAAGAGAGACGACCCAGGTAGCTGACTT	-25.2	-	Novel-mir-644-3p	-	TAAAGAGAGACGACCCAGGTAG
Novel-mir-642	ATCCGGTGGAGTAGTAGTTGTATGGTTAGAATTACACCTGGGAGTAACTGTACAACCTTCTAGCTTTCCTTGGGA	-31.4	-	Novel-mir-642-3p	-	GTTAACTGTACAACCTTCTAGC
Novel-mir-639	ATGGTCCGTGTTTATCAGATTGCTCATCATTTGTGCTGCATCAGGGTCCGTGTTACAGTATAATGTCTGTAGGTGGCGCTCGGCTT	-21.3	-	Novel-mir-639-3p	-	GTATAATGTCTGTAGGTGGC
Novel-mir-636	GCTTCAAGTATACTTTACTTTAACTTGCAGTTTCTATTGAAAGCTTTTTTCGGTCTTTTAAACAGTGAAGTCAAGAGATGAAGCGG	-18.2	-	Novel-mir-636-3p	-	GGAACCTCAGAGATGAAGCGGA
Novel-mir-635	TTCTGTCTTCCGGGAATGGAGTGAGAAGGGGGCCCTGGTAGAGCTCAAGATGGACAGAGTCCAGCTGTTGAGAAGTAGCTAGT	-26.9	-	Novel-mir-635-3p	-	GCTGTTGAGAAGTAGCTAGTGGC
Novel-mir-634	ACTGCTTTTTTCTCGCATTTTCCCGTGTGGTTAATGGCTCCTCTGCTACAGACTGAGACGGAGCTGGCACGAAGCAGC	-24.2 1	-	Novel-mir-634-3p	-	GCTACAGACTGAGACGGAGCTG
Novel-mir-633-1	TAACGCTCCAGCCACCTTTGAGAGATTGATGGGCGGGTCTCAAAGACATTTCCAGAACCCGCTGCGTAGTTTACCTGGACGACT	-29.5 2	-	Novel-mir-633-3p	-	GCGTAGTTTACCTGGACGACTTG
Novel-mir-633-2	TAACGCTCCAGCCACCTTTGAGAGATTGATGGGCGGGTCTCAAAGACATTTCCAGAACCCGCTGCGTAGTTTACCTGGACGACT	-29.5 2	-	Novel-mir-633-3p	-	GCGTAGTTTACCTGGACGACTTG
Novel-mir-632	TGCTGCCCTTAGAAACCAAGTGTGGGTGTGGCTGAAAACAGATATGGCGACCCATCCTTTGTTCTGAGGTCTGCA	-31.2 4	-	Novel-mir-632-3p	-	GCGACCCATCCTTTGTTCTG
Novel-mir-631-1	TCTCTCTCTATCCACTCACCCCAACCGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTGAGGTTTCT	-23.1	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-2	TCTCTCTCTATCCACTCACCCCAACCGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTGAGGTTTCT	-23.1	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-3	TCTCTCTCTATCCACTCACCCCAACCGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTGAGGTTTCT	-23.1	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-4	TCTCTCTCTATCCACTCACCCCAACCGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTGAGGTTTCT	-23.1	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT

Novel-mir-631-5	TCTCTCCTCTATCCACTCACCCCAACTGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTCTCAGAGTTTCT	-24.8	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-6	TCTCTCCTCTATCCACTCAGCCGACTGGTCGAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTCTCAGAGTTTCT	-26.2	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-7	TCTTTCTCTATCCACTCACCCCAACCGGTCAAGGCAGAAGGCCGCCACCAAGAGTCGGGGTCTGTCTCAGAGTTTCT	-21.5	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-8	TGTCCTCTCTATCCACTCACCCCAACTGGTCGAGGCAGAAGGCTGCCACCAAGAGTCGGGGTCTGTCTCAGAGTTTCT	-28.4	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-631-9	TTTCTCCTCTCTCTTTATCCGCTCACCCACCCGGTTGAGGCAGAAGGTCGCCACCAAGAGTCGGGGTCTGTCTCAGAGTTTCT	-20.3 4	-	Novel-mir-631-3p	-	GCCCACCAAGAGTCGGGGTCTGT
Novel-mir-626-1	CGAGTGATCCACTCTTACCTTTTGTAGACTGATGTGCTACGTTGACCGAGGATATCAGGACAAAAATATAATCACTGT	-20.4	-	Novel-mir-626-3p	-	GAGGATATCAGGACAAAAATA
Novel-mir-626-2	CGAGTGATCCACTCTTACCTTTTGTAGACTGATGTGCTACGTTGACCGAGGATATCAGGACAAAAATATAATCATTGT	-20.4	-	Novel-mir-626-3p	-	GAGGATATCAGGACAAAAATA
Novel-mir-626-3	AGACACCGCTCCATTACCTGCGTTCCACAGACTCCCATCTCCAAACGCCAAGCTGCTGAGGAAGTATGATCGGCATGGCAGCTAATGGC	-20.6 7	-	Novel-mir-625-3p	-	GAGGAAGTATGATCGGCATGGC
Novel-mir-623	GACCGGGCGTGTGTTTTGGGGTTTTGGGAGGGAGCAAGCAAGCCTGACAGAGACAGACAACCTCATGACTAAATAAGCTCTGAGACACTCAAAGT	-25.4	-	Novel-mir-623-3p	-	GACTAAATAAGCTCTGAGACACT
Novel-mir-621	CATCGAGTCAGTTCTGTCTCATCTCACTGTCTGGTTGGCTCAGCAACCAACAGGACAAGTACAGACTCCAGAGGACAGCCAAACTGACT	-24.3	-	Novel-mir-621-3p	-	GACAAGTACAGACTCCAGAGGAC
Novel-mir-620-1	GCAGTCTCTGGGACTGACTCCCTTACGTTGCCAGCCTTAGTGGCCGTTTGGGAACTGCAGGTTTTGGCACTTCCACATTGGCTTC	-30	-	Novel-mir-620-3p	-	GAAGTGCAGGTTTTGGCACTTCC
Novel-mir-620-2	GGAATCTATGGGACTGACTTCCTTTGGAGCCAGCCTCAAGTGCCATTTGAGGAAGTGCAGGTTTTGGCACTTCCACACTGGATTTC	-27.5	-	Novel-mir-620-3p	-	GAAGTGCAGGTTTTGGCACTTCC
Novel-mir-615-1	ACCCACCTTGACTATAGCTCGCCTGAGCAACAGGATAAGTACAACATATACCAACTGTATACAGAGACCTAAAGCACTGGGTGGGG	-26.9	-	Novel-mir-615-3p	-	CTGCTATACAGAGACCTAAAGCA
Novel-mir-615-2	ACCCACCTTGACTATAGCTCGCCTGAGCAACAGGATAAGTACAACATATACCAACTGTATACAGAGACCTAAAGCACTGGGTGGGG	-26.9	-	Novel-mir-615-3p	-	CTGCTATACAGAGACCTAAAGCA
Novel-mir-615-3	ACCCACCTTGACTATAGCTCGCCTGAGCAACAGGATAAGTACAACATATACCAACTGTATACAGAGACCTAAAGCACTGGGTGGGG	-25.9	-	Novel-mir-615-3p	-	CTGCTATACAGAGACCTAAAGCA
Novel-mir-615-4	AGCCACCTCATCTTGACTATAGCTCGCCTTAGCAACATGATAAGTATAAACATATACAACCTGCTATACAGAGACCTAAAGCACTGGGTGGGG	-23.8	-	Novel-mir-615-3p	-	CTGCTATACAGAGACCTAAAGCA
Novel-mir-613	GTCAGTGTAGTCCAAAGTGCTTACAGTGCAGGTAGTTTTAAGATCTACTGCAGTGAAGGCACCTTTCAGCACTGTTCTGA	-36.1	-	Novel-mir-613-3p	-	CTGCAGTGAAGGCACCTTTCAGC
Novel-mir-609	ACCTGCTCTCTAAAGAGCTGCGGTCCACAGCCAGCAGTCCCGCTGGCTCGTCTGGATCTGGGTCTGGAGGAGGAGGAGGAGGA	-38.9	-	Novel-mir-609-3p	-	CGTCTGGATCTGGGTCTGGAG
Novel-mir-607	CGAGCGGGTCTTTGTAAGCCGGATACGTCAGGCATTCTCACAGGATGGCGGACACTAACCTCTATACTTTGACCTCGTAGC	-26.6	-	Novel-mir-607-3p	-	CGGACACTAACCTCTATACTTTG
Novel-mir-605	TTTGCCCACTCAAGTCGGTTACAATGACGCACTGCAGTCAGGTCGAGACCCGATAAGGATGACGAGCATGCAGATGAGCTTCCCTGAGACAGTTTC	-21.2	-	Novel-mir-605-3p	-	CGAGCATGCAGATGAGCTTCCCT
Novel-mir-603	CCCGTGTGGAGTTTACCCCGGTGAACGAGAGGGTCGCTTCCCTGCGCCTTTGGGTCGGGGATAGTCTTTCACTGC	-27.7	-	Novel-mir-603-3p	-	CCTTTGGTGGGGATAGGT
Novel-mir-602	TGTTTATTATGGCGCACACATAGGAGGAGAGATGAATTCTGTACCCCTGCATGCGCGCCTGTCTGCCCTGTGTGTCTGTCTGTTCTGT	-26.7	-	Novel-mir-602-3p	-	CCTGTCTGCCCTGTGTGTGTCT
Novel-mir-595	TGTGTAGACATGGTCTAGTGGGAGTGCGGGTCATAAACAGAGAGTCTCCCCATGTCTCTTGCTCTGCTCGCTGCTGTGC	-26.6 3	-	Novel-mir-595-3p	-	CCCATGTCTCTGCTCTGCCT
Novel-mir-592	TAGTGATCGGCTGGCTGTGATGCTCTGCTGGCTGAGTTTCTTTGAGGAGTTGACTGTCAGGATCGGCGCTGACGCT	-31.5	-	Novel-mir-592-3p	-	CCAGATTGACTGTCAGGATCGG
Novel-mir-590	GGGCTTCTGCTGTATTAGCACGGGAGGAGTGCTAATTACCACTTCTCCCGGGAATCGCTATCAAGAGATT	-32.4	-	Novel-mir-590-3p	-	CCACTTCTCCCGGGAATCGCTA
Novel-mir-589	CTCCTTTTCTCCTCTCTTCTCCTTTGTTGACTTTGTTCTTCCAGAGGACGCCACAAGGGAGAAGGAGAGGAGAAAGACAGA	-41.7	-	Novel-mir-589-3p	-	CCACAAGGGAGAAGGAGAGGA
Novel-mir-586	TTCTCTGCTAGCTCTTTGATTTTGGCTCCAGTTCTTGCACTGCCACACCATGGAGCATAGAAGTGCATGACGACGCTTTTGC	-21.4	-	Novel-mir-586-3p	-	CATGGAGCATAGAAGTGCATGAC
Novel-mir-583	GTGTGAATTTCAAGTTGGTGGATCTTCCAGAAAGACCATGCAGAGCTCTACGGAGTGTCTAGGTTGCTACTGTTGGAAGCTGTGACTTCACA	-24	-	Novel-mir-583-3p	-	CAGGTTGCTACTGTTGGAAGCTG

Novel-mir-582	CGGGTGTGGTGTGCTGCTGCTGGAACCTGGCCATCTGCGCTGCTGGGAAACAGTCTGACAGGTTAACATCAGGGTCCGCGAGG GTCTGCATCC	-29.1	-	Novel-mir-582-3p	-	CAGGTTAACATCAGGGTCCGCGAGG
Novel-mir-581	ATCATCTGTTGGTACAGCTATTAGTACGCTGGGTAGTCTCAGTATCCAGGTAAGTACAGGCGGACTGATTAATGTGAA	-39.2	-	Novel-mir-581-3p	-	CAGGTAAGTACAGGCGGACTGAG
Novel-mir-573	CTCTACGCCCCAGAAGTCTGCACTGGGTCATGGGGCAGCAGGAGCTGGTCACTATGGGAACTCCAAGACGGTGAGGCGACTTA	-29.1	-	Novel-mir-573-3p	-	CACATGGGAACTCCAAGACGGTG
Novel-mir-571	TGGGGAATCCAGATGCTGCTGCAGTTGCTGTTGTTTGGATGAGACACACCAGGATCAGTAGACGGTGTGCTAGCTTGCCC	-21.5	-	Novel-mir-571-3p	-	CACAGGATCAGTAGACGGTGTGC
Novel-mir-569	TCCCTGTTTTCTGGGGCTATCGATGGACTTGGTGCAGTCGCACAGTCCAGCAGCACCACACATTGATTGGCCATGGGCTCG CGGGGGG	-38.1	-	Novel-mir-569-3p	-	CACACATTGATTGGCCATGGGC
Novel-mir-565	GGCAAGAGGCTGAGCTGTTTCTGCCCTGGCAGGATGAGCAGTGGGAACTAGGGACAAGTCAAGCAAGAACCAGGCAGACCAAG ACC	-25.8	-	Novel-mir-565-3p	-	CAAGTCAGGCAAGAACCAGGCAG
Novel-mir-564	TAGTTGTCTATATGTACCCTGTAGAACCAGAAATTTGTGTAAGTCCAACAGTCGCAAACACGTCTCTACAGGAATACATGGGCAACT	-32.7	-	Novel-mir-564-3p	-	CAAATACGTCTCTACAGGAATAC
Novel-mir-560	CACATCGATACACTGCTTTGATAGATGTGACAGAAACAGACTGAATCTGTGTTCACTAGTCTACAGTATGTAACACTGAACAAGCA GGGTGTCTATGGC	-26.7	-	Novel-mir-560-3p	-	ATGTAACACTGAACAAGCAGGAG
Novel-mir-557	GAACACAAAGTGTGCTTAAAGAGTTCATCAAAGGCCGCAATGATGTAGTTACCTGGCATGGGATGAGCTTCTGTCCAGCACAA GTAGAA	-27.6	-	Novel-mir-557-3p	-	ATGGGATGAGCTTCTGTCCAGCA
Novel-mir-555	CCATACCAGGGTTAGAGTTCAGCCTCAGCATTCTTGTGTGGTCACTTCTATATTTATGGAATGCTCAAGCTCATGTTACCTTCGTA TG	-27.2	-	Novel-mir-555-3p	-	ATGGAATGCTCAAGCTCATGTTA
Novel-mir-553	CGGCATCAAGCTACGGTCTAAAGAAAGATTCAAAGAGCCAGTCCCATGAAACTATCGTTGTAGAGGTTTTTCGCCCGTGTCTG CCT	-23.4	-	Novel-mir-553-3p	-	ATCGTTGTAGAGGTTTTTCGCCCG
Novel-mir-552	AGCGTGAATCTTTTTCAGTAAAAGTCAAGCTCCAGTGTGTGACAGATTCTGTTAAAGGGAATAAAAAGCATGGTTGTCAAGGGCA GTGCGGCG	-21.1	-	Novel-mir-552-3p	-	ATAAAAAGCATGGTTGTCAAGGG
Novel-mir-551	GGCACCCGGGCGATGACGTCACCTCCGGTTTAGCGATTTCCCGTTAGTAAGAAAGATGGCGGACGTAAGGCTCTTTTTT	-19.4	-	Novel-mir-551-3p	-	AGTAAGAAAGATGGCGGACGTAAG
Novel-mir-550	TCGGCCACGCTCACATGCAGCAGTCACTCCACATATGCACATGTCAGCGTTGCAGCAGCAGCAGAAGGGAGTGGCTCTGCAGC AGAAGGTACAACAGAT	-33.5	-	Novel-mir-550-3p	-	AGGGAGTGGCTCTGCAGCAGAAAG
Novel-mir-549	AGAGATGATGATGTTGATGTTCTTTTAGGAGGGACCAGGATGGACAGGATTAGGAATGAACACATCAGACGGACAGCTC	-18.4	-	Novel-mir-549-3p	-	AGGATTAGGAATGAACACATCAGAA
Novel-mir-544	TATAGTGTACCAGAGAGGCCACTGTCAAAGTGTGATAAAAGATGTGCGAAGTAGAGTTCCAAGATGGCGTTACTGAACACACA AGT	-18.5	-	Novel-mir-544-3p	-	AGAGTTCCAAGATGGCGTTACTGAA
Novel-mir-543	AGAGACAAACGGATGCAGGTGAGATATCCATGGCTGCCACTCGGCAGAGTATGGAACCACTGGCATTCTGCTGTGGAT	-28.1	-	Novel-mir-543-3p	-	AGAGTATGGAACCACTGGCATTCT
Novel-mir-542	GGCTGCTAAGACTATGTTGTGCTCTTATGTTATCCACAGGGCAGAGATAACAGATACACTGCTGGTCACTGCG	-18.2	-	Novel-mir-542-3p	-	AGAGATAACAGATACACTGCTGCT
Novel-mir-541	CAGGGCTCGACCCAGGCAGACACTCCTCATTCTGTTATCATATGAGACTGAAGACGTGTCTGTGGAGTGGGCCCT	-33.3	-	Novel-mir-541-3p	-	AGACTGAAGACGTGTCTGTGGAG
Novel-mir-540	AGGTGCATCACTGTGTGGTACGGAGCCTGTACTGCCTCTGCAGAAGGACTCTGCAACACATAGTGAATACAGCC	-32.6	-	Novel-mir-540-3p	-	AGAAGGACTCTGCAACACATAGTGA
Novel-mir-539	GGCTGCATCACTGTGTGGTATGGAGCCTGTACTGCCTCTGCAGAAGGACTCTGCAACACATAGTGAACACAGC	-32.4	-	Novel-mir-539-3p	-	AGAAGGACTCTGCAACACATAGTGA
Novel-mir-538-1	ACCTCAAGTGTATACCAGAGCTCAGAGGGGTGAGGTGTGGGCCCTCAGTCAACCACTACTCAAGGAACACAGGGTTGTTGCAGAG CA	-22.9	-	Novel-mir-538-3p	-	ACTTACTCAAGGAACACAGGGTTG
Novel-mir-538-2	TCAAGTGTATTACTAGAGCTCAGAGGGGTGAGGTGTGAGGTGTGGGCCCTCAGTCAACCACTACTCAAGGAACACAGGGTTGTTG CACAGAA	-30.1	-	Novel-mir-538-3p	-	ACTTACTCAAGGAACACAGGGTTG
Novel-mir-536	ATCCTGACTAAATGTTAGCTGGACGGCTCAGATCCGTCATAGTCACTATTGAGCGACACACAGACCTGTAGCATTCCAGGCAGAG GATGTCACAGA	-25.8	-	Novel-mir-536-3p	-	ACCTGTAGCATTCCAGGCAGAGAG
Novel-mir-534	GAAAGGTAAAGAGTGTACATGGACATTTCAACTTAAATCTCAGAGTTGATTGAACCAAGTCACTTTGATGCCACTGCAAAAGCTGA AT	-18.5 1	-	Novel-mir-534-3p	-	ACCAAAGTCACTTTGATGCCACTGCA
Novel-mir-531-1	CCAGCCAGCTAACCAATGTGCAGACTACTGTACAACCACTACTTCTGAACAGGTAGTCTGAACACTGGGCGAGGGGGCTG	-38.2	-	Novel-mir-531-3p	-	ACAGGTAGTCTGAACACTGGGC
Novel-mir-531-2	TCCAGCCAGCTAACCAATGTGCAGACTACTGTTCACTGTAGCCTGATGAACAGGTAGTCTGAACACTGGGCGAGGGGGGG	-42.5	-	Novel-mir-531-3p	-	ACAGGTAGTCTGAACACTGGGC
Novel-mir-6-2	GGCATTATGCCAGCAGCGGACCTGAGTGGAGACGCCAGTGCAGGGCACAGGGTGGTAAAGAAATCTCTTCAGGACTGTG CATGCCAAGGGATAA	-36.1	-	Novel-mir-6-5p	-	AATCTCTTCAGGACTGTGCATGCG

Novel-mir-528	TGGTGCATCACTATGTGGTACGGAGCCTGTAAGTCCCTCTGCAGAAAGACTCTGCAGCACATAGTTAATACAGCCA	-35.5	-	Novel-mir-528-3p	-	AAGGACTCTGCAGCACATAGTT
Novel-mir-526	CAAACACTCAGTTCTATGTTTTCGTGAAAGGATGGTGTGCAGCCTATTGTGAACCTTCTGAAGAACAAAAGAGCTGGTTCCG	-21.4	-	Novel-mir-526-3p	-	AACCTTCTGAAGAACAAAAG
Novel-mir-525	ACTACGGGCCCTTAATCTTTGGCCCCAGTCTTTGGCTGGTGCCTGGATGAAGGGCAAGGGGAACATGTGGAACAGAGACAGTGT	-33.6	-	Novel-mir-525-3p	-	AACATGTGGAACAGAGACAG
Novel-mir-524	TATTATTTGTGCGTTGCCACAACCTGCTTGACTGTAAAAGACAAAACAGTAGTCAGTTTCAGGAGCGCACTCTTTGCC	-18.5	-	Novel-mir-524-3p	-	AACAGTAGTCAGTTTCAGGAGCGC
Novel-mir-580	GATGATGAACCGTTTCCCTGTGAGTTCAAGCTGGCCATGTGACCTGATGAAGGCCAGGGGTGATGATGCTGAGTAAGGTTTCGCATG	-23.8 6	-	Novel-mir-580-3p	-	CAGGGGTGATGATGCTGAGTAAG
Novel-mir-803	AGGTCTAGACCTTTGTAAGGTGCTGAGATTACTTTGTTAAGCTTTGCAGCTTCATCAGCGTTGAACCTCGGGAAGAATTTGACGGA GGCAATAATA	-26.5	-	Novel-mir-803-3p	-	TGAACTCGGGAAGAATTTGACGGA
Novel-mir-548-1	CCTAGGGCTGAATGGGAGGACCCAGAGCGCATTGCTGTCTGCAGGAGTTGATGGGTGTTCCAAATCTTATG	-22.3	-	Novel-mir-548-3p	-	AGGAGTTGATGGGTGTTCC
Novel-mir-548-2	TGAACGAGAGACCAGAGCGCATTGCTGTCTGCAGGAGTTGATGGGTGTTCCAAATCTGATG	-19.9	-	Novel-mir-548-3p	-	AGGAGTTGATGGGTGTTCC
Novel-mir-877	GAGGGCAGCCCCGATGCCAGGCAGGAGTCCGTGTTGCCGTGGCGCTGCTGCTGAAGACCGGCTGGGACCTGGGCTGCAGG G	-38.7	-	Novel-mir-877-3p	-	TGCTGAAGACCGGCTGGGACCTG
Novel-mir-573	CTCTCCGCCAGAACTCTGCACTGGGTCCATGGGGCAGCAGGAGCTGGTCACTATGGAACTCCAAGACGGTGAGGCGGCTTA	-31.3	-	Novel-mir-573-3p	-	CACATGGAACTCCAAGACGGTG
Novel-mir-679-1	TATGCATTTGAGCACCTTCTCACTCTACCTAGGAGGGGCCAACACTAGACGAGTTAGAATGAGGGGTGCTGGGTTTCGT	-29.5	-	Novel-mir-679-3p	-	TAGACGAGTTAGAATGAGGGGTG
Novel-mir-679-2	TATTATTGATGACCTTCTCACTCTACCTAGGAGGGGCCAACACTAGACGAGTTAGAATGAGGGGTGCTGGGTTTCGT	-25.4	-	Novel-mir-679-3p	-	TAGACGAGTTAGAATGAGGGGTG
Novel-mir-848	GCTATGTGAAACAGGGCCGGCTAGGCGTAGTCAGCGGCCAAGGAGACCGGGTGACTGATGTAAGGGCTGGACTGAGCA CAGGGA	-31.2	-	Novel-mir-848-3p	-	TGATGTAAGGGCTGGACTG
Novel-mir-916	ATTGTGTCAGTTCTGATGTGCATGAGCGGCTTCTCAGAGGGAAGTAAACGATGTGTGAGTGTGACTGGTGAGCAGAAACACC AT	-20.6	-	Novel-mir-916-3p	-	TGTGAGTGTGACTGGTGAGC
Novel-mir-979	AACCGATTTACAACCTGTGAATAGATGTTTTCTGTTAGCCCTCAGAGGTGTACATATTTCTGAAGCTGAGTGAAGGAGAGATCAT TGGTA	-22.6	-	Novel-mir-979-3p	-	TTCTGAAGCTGAGTGAAGGAGA
Novel-mir-554	AAGTGCTCTACTATGAGAACTGAATCCATAGATGGTGGCTACTTCAAGTGTATCTATGGGCTCAGTTCTTTTGGCATGGTACT	-37.2	-	Novel-mir-554-3p	-	ATCTATGGGCTCAGTTCTTTTGG
Novel-mir-481-2	AACATCACACGTCCAGATCTCTCTACCACCAAACCTGCGCGCAGGCAGCTTGGAAAGATGAAAGACCTGGACCAAGAAACCT	-21	-	Novel-mir-481-5p	-	TTGGAAAGATGAAAGACCTGGAC
Novel-mir-481-3	AACATCACACGTCCAGATCTCTCTACTACCAAACCTGCGCGCAGGCAGCTTGGAAAGATGAAAGACCTGGACCAAGAAACCT	-21.7	-	Novel-mir-481-5p	-	TTGGAAAGATGAAAGACCTGGAC
Novel-mir-481-4	AACATCACATGTCCAGATCTCTCTACCACCAAACCTGCGCGCAGGCAGCTTGGAAAGATGAAAGACCTGGACCAAGAAACCT	-18	-	Novel-mir-481-5p	-	TTGGAAAGATGAAAGACCTGGAC
Novel-mir-759	AGCCTCGTATTTCACTGGATGCTGGTGCATGAGACCATAGATGAGTTATTAGCTTGGTTTAGCTCTACATGCACGGACATCCTTGACTC GTGTG	-22.5	-	Novel-mir-759-3p	-	TCTACATGCACGGACATCCTT
Novel-mir-725-1	ACAAAGGCCCTTGTGGAGAGAGCAAAATTCAGTGTGAATCGAAAGAAATTTCACTTGATAGGACCTCTGCACGCAGATATTCGT	-19.2	-	Novel-mir-725-3p	-	TCACCTTGATAGGACCTCTGCACG
Novel-mir-725-2	ACAAAGGCCCTTGTGGAGAGAGCAAAATTCAGTGTGAATCGAAAGAAATTTCACTTGATAGGACCTCTGCACGCAGATATTCCTT	-19.2	-	Novel-mir-725-3p	-	TCACCTTGATAGGACCTCTGCACG
Novel-mir-718	TGGTCACTCTCTGGCATTACCGCGTGCCTTAATTGTATGGACATTTAAATCAAGGTCGCTGTGAACACGAGGAGAGACGA	-29.1	-	Novel-mir-718-3p	-	TCAAGGTCGCTGTGAACACGA
Novel-mir-738	CTGCAGTGTGCCACATTAAGTGTGCTGGGGCCCTACTGCAGGTTCTGGGTAAGGGGTATCAGTGTGGCTGGCATGGGTAAC C	-27.2	-	Novel-mir-738-3p	-	TCATCAGTGTGGCTGGCATGGG
Novel-mir-956	GGCATCTGTGTTTTATCCTCGTCCCACTCTGTTGTGTCTGTAGTATTTCTTCTATTATACTAGACACACAAGAACAATCGGAGC	-19.4 4	-	Novel-mir-956-3p	-	TTATACTAGACACACAAGAA
Novel-mir-922	ATGGACAAGTCCGCTCTGAGTCCCCAGCTCTGGCTTCTTTATGGAAGGTGTGTGACAGGGATTGAGGAGATCTTCAAAGT	-32.7	-	Novel-mir-922-3p	-	TGTGTGACAGGGATTGAGGAGA
Novel-mir-1011	TGCGTCGTTTTGCTGGCCAGTTGCTCTGTGTTCTCACACACAGCTTGAACACATTGTCAGCTGCAGTTGCTTCCCTT	-18.7	-	Novel-mir-1011-3p	-	TTGTAACACATTGTCAGCTGCAG
Novel-mir-1000	CTTGGGAGGTCTGCTCTCGCTATGGCCCGTTGCATTGCTCCCTTATAGGGAGGCCAGAAGCTTCTCCATT	-27.5	-	Novel-mir-1000-3p	-	TTGCTTTATAGGGAGGCCAGAAG

Novel-mir-978	GGGTGCCGTGAATACGAAACACATGCTGAACCAGGAGCTGGGTGTTTCTAGAGCAGTGGGGAGTTGTGGAAGGGCAAGA	-23.4	-	Novel-mir-978-3p	-	TTCTAGAGCAGTGGGGAGTTGTG G
Novel-mir-766	CGGGAGCAGGGTCTGTAGGGCTTTGGCGGTCCAGCCAAAGGGGCGAGGATCTCATCGGCACACTGTAGACCTGGTACCCT	-33.2	-	Novel-mir-766-3p	-	TCTCATCGGCACACTGTAGAC
Novel-mir-906	CGGCCCCCATATACATCCAACAATGGCAGTGTATCAGAGAACTTTGTAGGTGATGGTGGGAGTTGACTTGAAGTCTGATGTG TAGAGGGTGAACAG	-26.9	-	Novel-mir-906-3p	-	TGACTTGAAGTCTGATGTGAGA
Novel-mir-454-2	GTGGATGAAAGAGAAAGCACCACATTTGGGAGTGGGTGTACATCAGTACACAGGTTAAAAAGCCGGTTATCAGGTTGGGAGCTGT CGAGCATGCAGCTGC	-25.9	-	Novel-mir-454-5p	-	TTATCAGGTTGGGAGCTGTCGAG C
Novel-mir-390-2	CTGCAGATATAATAAATAATCATCTGCATACAGGCAAACCTTATGTTGAAGTTAGTATCTTGTATTCCCTTTGATGCTATTATTCTGTCA TATT	-18.4	-	Novel-mir-390-5p	-	TGTATTCCCTTTGATGCTATTATT
Novel-mir-677	GCTCTTGGCTGAGCGGGACACACTAGCTTTGACGCCGTGGATAAGCATTCTTTAATAAAGTCCCTTTGAGAAAATGAACGTCCACTC CTGGCAATTAGAGC	-27.3	-	Novel-mir-677-3p	-	TAGAAAATGAACGTCCACTCCTG G
Novel-mir-900	GAGAACTGTACAGCCAACCTGTAGGCCAGTAAAGCAGAGAGGAAGGTGCATATCCCAATCCCTCTGGTGTCTGCAGTGGATGGC TAGTTGTTTT	-29.2	-	Novel-mir-900-3p	-	TGGTGTCTGCAGTGGATGGC
Novel-mir-347-2	GGATGGTAAACGGCTCCAGAAACGGGGAGACTATTTGGGCATGCCCTTTGATGGGAATGTGGTGCCGAGAGCCAAACCTG TT	-31.6	-	Novel-mir-347-5p	-	TGGGAATGTGGTGCCGAGAG C
Novel-mir-837-1	TAACACCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCAATGAGTCTTTCAAATGTTGAGTTATCGATCC	-18.3	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-837-2	TAACACCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCACTGAGTCTTTCAAATGTTGAGTTATCGATCC	-18.3	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-837-3	TAACACCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCACTGAGTCTTTCAAATGTTGAGTTATCGATCC	-18.6	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-712	GCAGGCAGAATGGGCTCAGGGGTATCTTACAGAGTGGGGGTTATATTTGTCGGGAGAAGGCATCTGGTTTCTGGTTG	-19.1	-	Novel-mir-712-3p	-	TATTGTCGGGAGAAGGCATCTGG
Novel-mir-710	ACTTTAACTGTACTGCTGTTAGCCACAAGGCTGATATTTCTGCATGTATTCAAATATTATTCGGGTGCTGATAGAGGCTAGTTTGCCT	-20.8	-	Novel-mir-710-3p	-	TATTATTCGGGTGCTGATAGAGG C
Novel-mir-706	GCTATCATGCCCGCTTCTTCCAAGTCCCATAGATGGCCTCTGTCTATGGGACTTGAGAAAGCAGCAGGAGGGTGG	-55.4	-	Novel-mir-706-3p	-	TATGGGACTTGAGAAAGACGC
Novel-mir-855	CCTTCTCTCGGAACAGTTCTTTAGCACAAGACTGTTACATCCCAGTGAAGAAGGAGCGTTACTGTAGGTCGTCC	-20.5 7	-	Novel-mir-855-3p	-	TGCAAGAAGGAGCGTTACTGT
Novel-mir-837-1	TAACACCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCACTGAGTCTTTCAAATGTTGAGTTATCAATTC	-18.3	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-837-2	TAACACCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCACTGAGTCTTTCAAATGTTGAGTTATCGATCT	-18.3	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-837-3	TAACGCCAGACATACAGAAAATGGTGAAGAAGGGAAATACCAGTTTTCCCACTGAGTCTTTCAAATGTTGAGTTATCAATAC	-18.3	-	Novel-mir-837-3p	-	TGAGTCTTTCAAATGTTGATG
Novel-mir-791	TCTGTGTCTAGGAGGAATGGCAGGTTGGGGGCTGGGGGGTGAAGTAAAGGAGACTCCGTCAAAGCCTTCTTACAGCAATCTAAAGG CATGGTCGCATT	-28.7	-	Novel-mir-791-3p	-	TCTTACAGCAATCTAAAGGCA
Novel-mir-762-1	TGGGCCAGTCGAGGCTGTAGCCCTAGCAGCCAAGGGGACATATAATCTATCTGGTGGTCCACCCCTGGATTGGGTTCC	-34.4	-	Novel-mir-762-3p	-	TCTATCTGGTGGTCCACCCCTG G
Novel-mir-762-2	TGGGCCAGTTGAGGCTGTGGCCCTAGCAGCCTGGGGGACGTATAATCTATCTGGTGGTCCACCCCTGGATCGGGTTCC	-34.2	-	Novel-mir-762-3p	-	TCTATCTGGTGGTCCACCCCTG G
Novel-mir-762-3	TGGGTCCAGTCGAGGCTGAACCCCTAGCAGCCAAGGGGACGTATAATCTATCTGGTGGTCCACCCCTGGATCGGGTTCC	-27.6	-	Novel-mir-762-3p	-	TCTATCTGGTGGTCCACCCCTG G
Novel-mir-710	CGGACTTTAACTGTACTGCTGTTAGCCACAAGGCTGATATTTCTGCATGTATTCTAATATTATTCGGGTGCTGATAGAGGCTAGTTT GCCCT	-22.8	-	Novel-mir-710-3p	-	TATTATTCGGGTGCTGATAGAGG C
Novel-mir-608	ACCTGCTCTCTAAAAGAGCTCGGTCACAGCCCAAGGAGCAGTCCGCTGGCTCGTCTGGATCTGGGCTGGAGGAGGAGGAG G	-37.8	-	Novel-mir-608-3p	-	CGTCTGGATCTGGTCTGGAG
Novel-mir-756	TCCATCTGTGAAGAAGTTTCATTCTGGAATGAAGTGAAGAGAAAGCTTCTTCTCCTCGTCTGTGGAAGAGAGGTTTGTG GTCGTGGC	-23.1	-	Novel-mir-756-3p	-	TGGTCTGTGGAAGAGAGGTTTGT T
Novel-mir-687	TTTCCGAGTCTGGGATCTTTGTCTTTCCGCCTGCAGTATCCAACACAGCCAGTGCATACCATAGACGGTAGATAATGGCTTAG CTGGTCATCTG	-24	-	Novel-mir-687-3p	-	TAGGACGGTAGATAATGGCTTAG C
Novel-mir-664	CGGTAGCCATAATGCTGGCCTGGTCCCTTCAGCTCTTTGTGGATGGCAGCAGTACAGTAGCAAGAGGAGGAGTCAATTTTTTACC	-19.7	-	Novel-mir-664-3p	-	TACAGTAGCAAGAGGAGAGTCA
Novel-mir-102-1-1	GCAGAAAGGGCAAAGAGAGAGGATGGGATACTGCTCATGTTTGTGTTTCTCACTTTGCCCTTAAACGG	-25.2	-	Novel-mir-102-3p	-	TTGTTTTGATTCTCACTTTG

Novel-mir-102 1-2	GCAGGAGGGGCAAAGAGAAGCAGAGGGGAGAAGAGGAGGGGATACTGCTTGGGTTTGTTTGATTCTCACTTTGCCCTTAACGG	-29.5	-	Novel-mir-1021 -3p	-	TTGTTTTGATTCTCACTTTG
Novel-mir-102 1-3	GCAGGAGGGGCAAAGAGGAGCAGAGGGGAGAAGAGGAGGGGATACTGTTGAGTTTGTGTTGATTCTCACTTTGCCCTTAATGG	-29.5	-	Novel-mir-1021 -3p	-	TTGTTTTGATTCTCACTTTG
Novel-mir-928 -1	CGAAATGCAGCAGAGGAGGCAGCAGTAAATGGCTCCTGTGTTGATGTGCTGGACCCCGTCTGCCCTGTTAACTGTACCTTCTCT	-29.9	-	Novel-mir-928- 3p	-	TGTTAACTGTACCTTCTCTC
Novel-mir-928 -2	CGAAATGCAGCAGAGGAGGCATCAGTAAATACCTCCTGTGTTGATGTGCTGGACCCCGTCTGCCCTGTTAACTGTACCTTCTCTC	-27.5	-	Novel-mir-928- 3p	-	TGTTAACTGTACCTTCTCTC
Novel-mir-975	TCCCTCAAGGACCAGTTCACCACAGCCCTCGTACTCCTCAACCTGACCCCTCACTGCAGTTCGTGGTAGAGGTGGACGCGTCCAA CACTGGGG	-26.6 1	-	Novel-mir-975- 3p	-	TTCGTGGTAGAGGTGGACGCGTC C
Novel-mir-851	AAGGTCCACAGTTCGTGCTGAAATGCGATCGAAACCAGGTGTGTGTGTGTCATGTGATTTCCAGGCGGCAGCTGAACAATG GGTCTT	-29	-	Novel-mir-851- 3p	-	TGATTTCCAGGCGGCAGCTGAA C
Novel-mir-669	TACCAGTGCCAGGGCTCTGTTTCTGATCTCTTTGGTTTTCAAAGAGTATACCATAGGATTGATGCAGGGTGGGGTCAAGAT	-26.4	-	Novel-mir-669- 3p	-	TACCATAGGATTGATGCAGGGTG G
Novel-mir-660	GAGGGGTAATGGATATTTGTCCTAACTGTTATAGCATTAAAGTCCGCGTAATCAATGCAAGGACGAGGCGCGCTCCAT	-21.4	-	Novel-mir-660- 3p	-	TAATCAATGCAAGGACGAGGGC
Novel-mir-101 4-1	TGGCCTAGATCTGATTGCAGCCACATGACTGACACATGTAGGATGGCACACCTCTACATTGTCAAGTCTGGAGCTGTAACACATCAA AACAT	-31.9	-	Novel-mir-1014 -3p	-	TTGTCAAGTCTGGAGCTGTAACA C
Novel-mir-101 4-2	TGGCCTAGATCTGATTGCAGCCACATGACTGACACATGTAGGATGGCACACCTCTACATTGTCAAGTCTGGAGCTGTAACACATCAA AACCT	-32.2	-	Novel-mir-1014 -3p	-	TTGTCAAGTCTGGAGCTGTAACA C
Novel-mir-928	AAAATGCAGCAGAGGAAGTGTCAAGTAAACCTCCTGTGTTGATGTGCTGGACCTCGTATGCTGTGTTAACTGTACCTTCTCTCTC CTCAGATC	-23.5	-	Novel-mir-928- 3p	-	TGTTAACTGTACCTTCTCTC
Novel-mir-792	ACTTGGGGTGTGTTGCTTTGGACAGCAACTGTTCTTTCAATTTGAGCAGCATCAATATGTTCTTGAATCTCACTGGCTGTCCA CTTATCTGGGG	-21.4	-	Novel-mir-792- 3p	-	TCTTGAATCTCACTGGCTGTCCA C
Novel-mir-669	TACCAGTGCCAGGGCTCTGTTTCTGATTTCTTTGGTTTTCAAAGAGTATACCATAGGATTGATGCAGGGTGGGGTCAAGAG	-25	-	Novel-mir-669- 3p	-	TACCATAGGATTGATGCAGGGTG G
Novel-mir-101 7	CATACCTGTGGTAAGGAGAGAGGACATGTTAACAGGCCATAGCTTGTAAATTCTGAGCCCTGCCTGCACCTAAT	-21.9	-	Novel-mir-1017 -3p	-	TTGTTAATTCTGAGCCCGTGCC
Novel-mir-997	ATTTTTTTTTGGCTAGAGCAGGTAATAGGTGTATGCTCCCTAACAGGTGAATGTGGTGTGTTGATTGGGCTGTGCAGGG TGAGGTAGTA	-25.3	-	Novel-mir-997- 3p	-	TTGATTTGGGCTGTGCAGGG
Novel-mir-727 -1	AGGGCATAAATAGTTGAGCAAAAGCATTTTACTTATGTGTGCGCTCAAAAAACATCCCGTGTCAAGATGTCAGATGCGCGCGCTCA AAATGTCC	-27.5 4	-	Novel-mir-727- 3p	-	TCAGAATGTCAGATGCGCGCGCT C
Novel-mir-727 -2	ATAAATAGTTGAGCAAAAGCATTGACCTATGCGTGCCTCAAAAAACATCCCGGCTCAGAATGTCAGATGCGCGCGCTCAAAA AAATAT	-28.5 9	-	Novel-mir-727- 3p	-	TCAGAATGTCAGATGCGCGCGCT C
Novel-mir-706	CCACCCTCTGCGCTTCTCCAAGTCCCATAGACAGAGGCCATCTATGGGACTTGGAGAAGACGCGGGCATGATA	-49.9	-	Novel-mir-706- 3p	-	TATGGGACTTGGAGAAGACGC
Novel-mir-579 -1	AGGCAGTGTCTCTCTCAGTAGCCACTTGACCTCCCATTTCCAGGGCTTCTGTTGGGGTAGACCCTGATT	-20.4	-	Novel-mir-579- 3p	-	CAGGGCTTCTGTTGGGGTA
Novel-mir-579 2	CTGAAGGCAGTGTCTCTCTCAGTAGCTGCTGGCCCTCCAGTTCATCCAGGGCTTCTGTTGGGGTAGACCCTGATG	-22.2 2	-	Novel-mir-579- 3p	-	CAGGGCTTCTGTTGGGGTA
Novel-mir-579 -3	TCTGAAGGCAGTGTCTCTCTCAGTAGCCACTTGCCCTCTCATTTCCAGGGCTTCTGTTGGGGTAGACCCTCATT	-24.0 2	-	Novel-mir-579- 3p	-	CAGGGCTTCTGTTGGGGTA
Novel-mir-579 4	TGTCAGTGTACTCTCTCAGTAGTCTGACCTCCAGTTCATCCAGGGCTTCTGTTGGGGTAGACCCTGATG	-21.3	-	Novel-mir-579- 3p	-	CAGGGCTTCTGTTGGGGTA
Novel-mir-981	GGAGACCTTGAAGCCCTCCCTGTGCCAAATGTGTCAACAATGTGTCTGAGCAATCATTATGCTTTCTGAGTCAGGAGCAGCTAACAA CAGGTATC	-18.5	-	Novel-mir-981- 3p	-	TTCTGAGTCAGGAGCAGCTAACAA
Novel-mir-980 -1	ACCCAGCTCACTGTGCCTGTCCCACTGTCACTGGATTACTAGCTTTCTGACAGACAAGGAGCAGCAGGTGAGGCTGGG	-35.9	-	Novel-mir-980- 3p	-	TTCTGACAGACAAGGAGCAGCAG G
Novel-mir-980 -2	CCCAGCTCACTGTGCCTGCCCCACCTGTCACTGGATTACTAGCTTTCTGACAGACAAGGAGCAGCAGGTGAGGCTGTG	-31	-	Novel-mir-980- 3p	-	TTCTGACAGACAAGGAGCAGCAG G
Novel-mir-893	TCAAGCTGTTGTAGCAGCCTCCACATCCCCATTTTTGTTTATAATATGAAAAATGGGGATGTGGAAGTCTGCTACAAACAGCT TG	-66.6	-	Novel-mir-893- 3p	-	TGGGGATGTGGAAGTCTGCTAC
Novel-mir-591	TGCCTCTTGAGAGAAAGACAAGGAGCTAGGGGAAAGCTGTTATCTGCATCCACCTACATCGCAGGACCAGAAGAGAAGGCAGGC CCAGAGGAATGGCTA	-26.7	-	Novel-mir-591- 3p	-	CCAGAAGAGAAGGCAGGCCCA GA
Novel-mir-103 7	GTAGGGATGTTGGGGTCGGCCAGTCTGCACCTCTGGACTTTGTTGGGATCTGTAGCCACGCCACACTCCGAC	-24.6	-	Novel-mir-1037 -3p	-	TTGTTGGGATCTGTAGCCACGC C

Novel-mir-102 1	GACAAAGGGGCAAAAGAGGAGCAGAGGAAGAAGAGGAGGGAGAAAAGGAGGGGATACGATTGAGTTTGTGTTTCTCACTTTGCC CATAAACG	-20.7	-	Novel-mir-1021 -3p	-	TTGTTTTGATTCTCACTTTG
Novel-mir-100 1-1	CATTACACGTCGGATCTCTCCACCATCCACCTGCGCGCAGGCAGCTGGAAAGATGAACAGAGACCGGACCCAGAAAC	-26.3	-	Novel-mir-1001 -3p	-	TTGAAAGATGAACAGAGACCGG
Novel-mir-100 1-2	CATTACACGTCGGATCTCTCCACCATCCACCTGCGCGCAGGCAGCTGGAAAGATGAACAGAGACCGGACCCAGAAAC	-23.4	-	Novel-mir-1001 -3p	-	TTGAAAGATGAACAGAGACCGG
Novel-mir-941 -1	GGTGAATAAACCTGCTGAAGCGTCTCCTGTGTACCCCTCTATCCAGTTGGTAAACACTGAATGTTAAGAGTTAGATGCAAAACG GTAGGAGTTGCATG	-22.1	-	Novel-mir-941- 3p	-	TTAAGAGTTAGATGCAAAACGGTA G
Novel-mir-941 -2	TGTGAATAAACCTGCTGAAGCGTCTCCTGTGTACCCCTCTATCCAGTTGGTAAACACTGAATGTTAAGAGTTAGATGCAAAACG GTAGGAGTTGCATG	-22.4	-	Novel-mir-941- 3p	-	TTAAGAGTTAGATGCAAAACGGTA G
Novel-mir-950	GTGTCGACATAGCAGCTTAGCTCTGGGTAAGATCCAATGCGCTGAAAAGACTACGTTCTCTTAGCTGTAGTAACGTCGCCCGGTC GTAAG	-24.6	-	Novel-mir-950- 3p	-	TTAGCTGTAGTAACGTCGCC
Novel-mir-941	TGAATAAACCTGCTGAAGCGTCTCCTGTGTACCCCTCTATCCAGTTGGTAAACACTGAAGGTTAAGAGTTAGATGCAAAACGGT AGGAGTTGTATG	-21.9	-	Novel-mir-941- 3p	-	TTAAGAGTTAGATGCAAAACGGTA G
Novel-mir-876	GGGCACCTCTAAATATTTTTCATGGTACTCACTATGTCCCTTACAGATTGCTAGAAAATTTCTGATGTGGAGAGAATTGCCA	-20.4	-	Novel-mir-876- 3p	-	TGCTAGAAAATTTCTGATGTGGAG
Novel-mir-827	GATGTGGAAGCTGATGCTCATGATGTTTCCAGCGATGGTGAGATGAAGTGGTGGCGTCCGGTGGGTGATGT	-18.4	-	Novel-mir-827- 3p	-	TGAGATGAAGTGGTGGCGTCCGG
Novel-mir-818	TCAAGCCGAGAGAGGATCTCCCTGAAACACTGCGTAGAGGGTTGATCGTTGCCGAAAAGACACGTGACTGATGACGTCGCAGCA CAGAAATGGCTGGCC	-25.2	-	Novel-mir-818- 3p	-	TGACTGATGACGTCGCAGCACAGA A
Novel-mir-777	TGAACAGTGTTCAGCGTCTCACAGCCTGGTGGATGAAGCTGTCTGTAAGTCTGGTGGAGTGGCCGTAAGA	-20.5	-	Novel-mir-777- 3p	-	TCTGTAAGTCTGGTGGAGTG
Novel-mir-730	GACAAGAAGACTCTTTTGGTTCTCCATGCTGGACACCTTTTCCCTCAGGGGTGCAACCTCAGTCTGGAGATCAGAGCTCAAACCTCT TGAG	-24.5 2	-	Novel-mir-730- 3p	-	TCAGTCTGGAGATCAGAGCTCA
Novel-mir-721	ATGTTGACTGTTAGTCTCTCCAAAGTTTGTGTTCATGTTACACTTTCACACGGAAGTATGGAGCCCTTAGTCACTTG	-26.3	-	Novel-mir-721- 3p	-	TCACACGGAAGTATGGAGCCCT T
Novel-mir-600	CCTCATCTTCTGCTCTGAATGAACAGCTGGGCAATTCGCCATCAAACATGCCGGGTTCCCTCTCATCATTGTCGGAGTCACTCA CGTTGC	-21.2	-	Novel-mir-600- 3p	-	CCCTCTCATCATTGTCGGAGTCA
Novel-mir-545	CAGCCCGGAGTGGTGGTTCATGTTAGATCAGCTGTCTAACACCCGGGTGACGGCCAAGCAGATTAAGAGGTGGACTGAGAGGG ATCCAG	-21.6	-	Novel-mir-545- 3p	-	AGCAGATTAAGAGGTGGACTGAG
Novel-mir-533	ATGTGCAGCTCAAGCATGCAGTGTGTGAGTGTGGACCTGAGAGGAGAGAAGGTACAGTTAACAGGGCAGGACGGGAGGGGTGCC A	-21.2	-	Novel-mir-533- 3p	-	ACAGTTAACAGGGCAGGACGGG
Novel-mir-948	AGCAGTCAATGGAGCGATGATGGCTGGAGATGAGGATGGCTGAGAGGGAATATCAGAGAGACAGATTACTGGAGACTGTGCAT CGACCAGTGAAGGCG	-25.4	-	Novel-mir-948- 3p	-	TTACTGGAGACTGTGCATCGACC
Novel-mir-466	AATTCTGGGCTCAGACTTGGCCGCTCAAAGGCCATTTTGTGTTTCTGATGCCATTCTGTTGTGACTGTCTGTTGTTTGGGT	-18.4 7	-	Novel-mir-466- 5p	-	TTCTGTTGTGACTGTCTGTTG
Novel-mir-863	AGCTCTGGGTTCTGTTTCTATCTGAAGCCCTATCACACAGAGAAGTCAAGTGCATAGCTGCTGCAGGAAGGCGGAACCACGAGT	-27.7	-	Novel-mir-863- 3p	-	TGCATAGCTGCTGCAGGAAGGCG G
Novel-mir-846	TGACCGGTTGTCGATCAGCGCAGCAGAAACACAGTCAATGGTATGATGGGTGATGATGGGCCGGCTGCGGACGTTGGGATCA	-24.8	-	Novel-mir-846- 3p	-	TGATGATGGGCCGGCTGCGGA C
Novel-mir-714 -1	AGCGGTAGACTGGTCAGATGCGCAGTGACAGTATTTTTCAGGGCATTCTGTATTTAGCTCTCCTGCTGCGTGGCAAGTTGCGAA	-25	-	Novel-mir-714- 3p	-	TATTTAGCTCTCCTGCTGCGTGG C
Novel-mir-714 -2	ATGTAGACTGGTCAGATGCGCAGTGACAGTATTTTTCAGGGCATTCTGGCCGCTGATTTAGCTCTCCTGCTGCGTGGCAAGTGT GGG	-28.1	-	Novel-mir-714- 3p	-	TATTTAGCTCTCCTGCTGCGTGG C
Novel-mir-714 -3	GTGTGTAGACTGGTCAGATGACAGTGTGAGTATTTTTCAGGGCATTCTGGCCGCTGATTTAGCTCTCCTGCTGCGTGGCAAGTG AAACA	-27	-	Novel-mir-714- 3p	-	TATTTAGCTCTCCTGCTGCGTGG C
Novel-mir-579	CTGAAGTAGTCTCTCTTTTCAAGTACCCACTTGAACCTCCAGTTACCCAGGGCTTCTGGTTGGGGTAGACCCTTATG	-20.5	-	Novel-mir-579- 3p	-	CAGGGCTTCTGGTTGGGGTA
Novel-mir-546	TTAATTCATTATAAAATCAGAATCAGCTTTATTGGCCAGGTGTGTTGGGCACATGAGGAATTTGACTCTGTTACATGATAGAATAAT	-20.8	-	Novel-mir-546- 3p	-	AGGAATTTGACTCTGGTACATG
Novel-mir-527	TGGTGCATCACTATGTGGTACGGAGCCTGACTGCCTCTCGAAGGACTCTGCAGCACAATGTTAATACAGCC	-33.8	-	Novel-mir-527- 3p	-	AAGGACTCTGCAGCACAATG
Novel-mir-102 1-1	ATACACAGGGCAGGAAGAGGAACGGAGGAGAAGAGGAGGGGATACTGCATGAGTTTGTGTTTCTCACTTTGCTTTACGAA	-20.5	-	Novel-mir-1021 -3p	-	TTGTTTTGATTCTCACTTTG
Novel-mir-102 1-2	GCATGAGGGGCAAGGAGGAGCGGAGGAGAAGAGGAGGGGATACTGCTCGACTTTGTTTGTGTTTCTCACTTTGCTTTAATGG	-29.3	-	Novel-mir-1021 -3p	-	TTGTTTTGATTCTCACTTTG

Novel-mir-1016	TCTCTCCTGGCAGCCAGGGAGACATAATTTATCTGGTGGTCCACCCCTGGATCGGGTCTCTGTTGTTGCTCCCGTATGGTGT CCTCGATCTT	-28.3	-	Novel-mir-1016-3p	-	TTGTTGTGCCTCCCGTATGGTGT
Novel-mir-938	ATAGCTAGCTTTATTTACCGGTTAAAAAGACAAATCTTGTGTTGGGCCATTGCTTGAATGTTTTGAGACATTAATCTTGGCTTGCA CT	-18.2	-	Novel-mir-938-3p	-	TGTTTTGAGACATTAATCTT
Novel-mir-888	GCCCCGTGCACACTGATGTGTTTGTAGTGGTTAAAGTTACATGTTAATATGGATTATGTAATAGAATAGTGTATGGGTT	-22.2	-	Novel-mir-888-3p	-	TGGATTATGTAATAGAATAGTG
Novel-mir-774	AATTCTGGGACCAGTGTGCAAAAGTTGGGCTCCGTCAGAGGCTCTGGGAGAAGGAAGCCCTCAATCTGAGAGACCTGGAGGA GTTGGCAAAGAAAAG	-33	-	Novel-mir-774-3p	-	TCTGAGAGACCTGGAGGAGTTGG C
Novel-mir-717	ATCATCTCTGGCATTACCCGCTGCCTTAATTGTAAGACATTAATCAAGGTCGCTGTGAACACGGAGAGACACA	-26.3	-	Novel-mir-717-3p	-	TCAAGGTCGCTGTGAACACG
Novel-mir-714-1	ATGTAGACTGGTCAGATGCCAGTGATAGTTATTTAAAGGCATTTTTGGACGCTGATTTAGCTCTCCTGCTGCGTGGCAAGTGT GGG	-21.2	-	Novel-mir-714-3p	-	TATTTAGCTCTCCTGCTGCGTGG C
Novel-mir-714-2	ATGTAGACTGGTCAGATGCCAGTGATAGTTATTTTCAAGGCATTTTTGGCCACTATATTTAGCTCTCCTGCTGCGTGGCAAGTGTG GG	-25.1	-	Novel-mir-714-3p	-	TATTTAGCTCTCCTGCTGCGTGG C
Novel-mir-666-1	AGTAAGGTTAATAGGTTACAGCTCCAGACTTGACAATGTAGAGATGAGCCATCTACATGTGCAGACATGAGGCTGCCATTAGATG C	-26.7	-	Novel-mir-666-3p	-	TACATGTGCAGACATGAGGCTG C
Novel-mir-666-2	GGTTTTAATGTGTTAAAGCTCCAGACTTGACAATGTAAGGTTGAGCCATCTACATGTGCAGACATGAGGCTGCAATTAGATGC	-19.3	-	Novel-mir-666-3p	-	TACATGTGCAGACATGAGGCTG C
Novel-mir-666-3	GGTTTTAATGTGTTACAGCTCCAGACTTGACAATGTAGAGGTTGAGCCATCTACATGTGCAGACATGAGGCTGCAATTAGATGC	-23.5	-	Novel-mir-666-3p	-	TACATGTGCAGACATGAGGCTG C
Novel-mir-666-4	TAATGTGTTACAGCTCCAGACTTGACAATGTAGAGGTTGAGCCATCTACATGTGCAGACATGAGGCTGCAATTAGATGC	-25.4	-	Novel-mir-666-3p	-	TACATGTGCAGACATGAGGCTG C
Novel-mir-1012	TCGTCACAGTAACAGCTGGGGTAATCATGTGATAACAGCTCAGCGTAGGATGGAGTTGTATCGAAAAGCCATAGCTGTCAGATG	-25	-	Novel-mir-1012-3p	-	TTGTATCGAAAAGCCATAG
Novel-mir-863	AGCTCTGGATCCGCTCTATCTGAAGCACTATTACAAGTATAGTGCATAGCTGCTGCAGGAAGGCGGAACCACGAGT	-31.3	-	Novel-mir-863-3p	-	TGCATAGCTGCTGCAGGAAGGCG G
Novel-mir-859	AGCTCAGGAGACCGCTTTCCAGCAGGTCAGGGACTACTGCACTCTGACCGAGTGTAGTGCATTTGATCCAGAACCAGGAGGTG GACTGGC	-41.7	-	Novel-mir-859-3p	-	TGCACTTGTATCCAGAACCAGGAG G
Novel-mir-752	TGGGTGCTGGTATTGGAGACCCCGAGCTGAGGAAGAGCCCGGCTCAGCTGGTGGTCTGCTGTGGCACGGGGCCGG	-31	-	Novel-mir-752-3p	-	TCGACTGGTGGTCTGCTGTGGC
Novel-mir-575	TAGGCTTAATCACAGGTACGCAGTTTTTCCATAGGGTCTGGGCATGGATTCCAAGCAAAGTCACTGGTGGACTTACAAGTAGTGATG GCCAT	-26.7	-	Novel-mir-575-3p	-	CACTGGTGGACTTACAAGTAG
Novel-mir-567	CTGGAGACCTGTAGGGGGCCGGTGCATTGTGTTTTGGGCAGTGCCAGGCGCAAGTGTAGGCTGACCTGAACCTCGGATG	-29	-	Novel-mir-567-3p	-	CAAGTGTAGGCTGACCTGA
Novel-mir-1008	TCCTTGGTCAAGACACTGAACCCCAAGTTTCCCCCGATGGTCAGAGCCATTGGTTGAGTTGGTGTGCTGCAGATGTCTGCCTTGG	-30.4	-	Novel-mir-1008-3p	-	TTGGTTGAGTTGGTGTGCTGCAGAT G
Novel-mir-1003	CAGGTAATAAATTAACATTACAGCTCCAGATCTCCACCACCAACCTGCGCGCAGGCAGCTGGAAAGTGAAGACCCTGGACCAT GAAACCTA	-22.5	-	Novel-mir-1003-3p	-	TTGGAAGATGAAGACCCTGGAC C
Novel-mir-990	CAGAGCAACTGGGGTTCAGTGTCTTGCCCAAGGACAATTTGACATGTGGACTGCCGGCACTGCAATTC	-20.3	-	Novel-mir-990-3p	-	TTGACATGTGGACTGCCGGC
Novel-mir-986	GCCTTGGGTCTTCGATTGGTTTGTCCCTGAACAACTTACATTTTTGAGTGGGTGTGGTTCTTATGGATTGGGCATTACGGTCCG GTTCTT	-20.7	-	Novel-mir-986-3p	-	TTCTTATGGATTGGGCATTACCG G
Novel-mir-942	GTTCTCTGCAGCAAAGTGAATTTAGTGTCTAGGGTGCCACACAGCGACCTTAAGGATTATGGAGGCCATTGTGCTCTTAGGAA	-20.8	-	Novel-mir-942-3p	-	TTAAGGATTATGGAGGCCATTGT G
Novel-mir-934	ATTATCCATGTGCAAACTGAGAATGTAACAGTACATGATGATTTCTCGTAATAAACTCCTCAGCTGTTTAGAGTCTGATGGCAGA GGGAAAGAAAAG	-19.1	-	Novel-mir-934-3p	-	TGTTAGAGTCTGATGGCAGAGG
Novel-mir-419	GCCTATGTATTAAGGCCTATTATGGTCTGAACCAGGACAAGTTACTGTGTTGACTGTAAGGATGGTATTAATAAGG	-20.8	-	Novel-mir-419-5p	-	TGTGTTGACTGTAAGGATGGT
Novel-mir-894	AGCACGTGGAGGCCACAGCTGGCAGGCTGGACGGACAGCAGGTTGACTGCAGCATGGAACAGGTTGGGGCTGAAGCTGCAG CGATGGCTTGGACTGCT	-36.2	-	Novel-mir-894-3p	-	TGGGGCTGAAGCTGCAGCGATG GC
Novel-mir-338	AGGTAGTTGAGAAGCTCTCCTGCTGGCAAGGCAGATGAGATCTGCCTGAGTACCTAAGTCTCTGGATGTTGTGGGGCTGGCTTGG CTGACACCCG	-30.6	-	Novel-mir-338-5p	-	TGGATGTTGTGGGGCTGGCTTGG C
Novel-mir-882-1	AGGATCACAGGTAATAAATTAACATTACACGCTCAGGTATCTTGACCCGCAAACTGCTCGCAGGCAGATGGAAGATGAAAGACCCTGA ACCACCAGGCCTA	-21.5	-	Novel-mir-882-3p	-	TGGAAGATGAAAGACCCTGAACC C
Novel-mir-882-2	CAGGTAATAAATTAACATTACACGTTACAGTATCTTGACCTCCAACTGCTCGCAGGCAGCTGGAAGATGAAAGACCCTGAACCCAC CAGGCCTA	-24.9	-	Novel-mir-882-3p	-	TGGAAGATGAAAGACCCTGAACC C

Novel-mir-882-3	CAGGTAATAACATTACAGCTCAGGTATCTTGCACCTCCAACTGCTCGCAGGCAGCTGGAAGATGAAAGACCCTGAACCCACC AGGCCTA	-21.1	-	Novel-mir-882-3p	-	TGGAAGATGAAAGACCCTGAACC C
Novel-mir-880	GACATGTTGGTGGGTAAGAGGAAACAATTGTAAGCTAATTTCTCAGTTCTTTAAACAGTGGAACTCAGAGAGACGAAGCGGACCCT TGGA	-19	-	Novel-mir-880-3p	-	TGGAACTCAGAGAGACGAAGCG G
Novel-mir-865	TTGCTTCTCCGTGAGGGCAGCCTTGCCTGTATTTCTCTTATAGCTGCAGACTAAATCTGTTGCATGTACATGACCGCTCTCAGCG GATTTTTGA	-24.2 3	-	Novel-mir-865-3p	-	TGCATGTACATGACCGCTCTCAG C
Novel-mir-844-1	ACCTCTTCCCCGTGGTCTGCCACGGTACTGAAGTCCACAGTACATGGGAGCAGAATCCCACTGATAAGGTGGTGGTGGCTGGTGT GAACAAAGG	-31.5	-	Novel-mir-844-3p	-	TGATAAGTGGTGGTGGTGGCTGG T
Novel-mir-844-2	ACCTCTTCTCATGGCCTGCCACGGTACATGGGAGCAGAATCCTACTGATAAGGTGGTGGTGGCTGGTGTGAACAAAGG	-23.1	-	Novel-mir-844-3p	-	TGATAAGTGGTGGTGGTGGCTGG T
Novel-mir-812	TGCTGGAAAGTGTCTCGACTGGGACTCCATTGTTCTACTGGGGTACTTCAACTCATGAGCGATGACAGTACCTGGAGG GGCGTGATTGGCAGG	-30.1	-	Novel-mir-812-3p	-	TGACAGTGATACCTGGAGGGGG T
Novel-mir-143-1	ATGATAATAAAAGGTGGGCGACTGTTCTATTTCTGTTTGGCCCTAGACTATGGAATGCCCTGCCGGTTGAACACGG	-23.2	-	Novel-mir-143-5p	-	TAGACTATGGAATGCCCTGCCGG T
Novel-mir-143-2	TAGTGGTCCCGCATCTCGCTATAAAAAGTGGGGTACTGTTCTGTTTCTATCTGAGCCCTAGACTATGGAATGCCCTGCCGGTTG TACTACGG	-22.6	-	Novel-mir-143-5p	-	TAGACTATGGAATGCCCTGCCGG T
Novel-mir-619	CCAGTGAATAACAAGGACGTTTTCTGATCTCAGCAGTTCCTTTTGTCTGCTTTTGAAGGATGTGTTTGTCTGCTCGGTGC	-19.4	-	Novel-mir-619-3p	-	CTTTTGAAGGATGTGTTTGTTC
Novel-mir-594	ATACCGGGGCTCTAACACGGTGGAGAAGAGATGCTCACTTTATTGTGCTCCCATCAGTCACATTGGTTTGTGCTCGGCTG	-25.6	-	Novel-mir-594-3p	-	CCCATCAGTCACATTGGTTTGTG
Novel-mir-562	CAGGGTGCACCTAGCAGCACATCATGTTTTGCAGATATGACTGAATCACTCCAAAACATTATGCGTGTACTGTGAGCTCAA	-32.1	-	Novel-mir-562-3p	-	CAAAAACATTATGCGTGTACT
Novel-mir-556	GTGTGTGTGTGTGTGTCTGTGTGTGTGACGCGCATGTAGTGTGAAATGGAGTCAAGCCACAGCAGTCACTGTGAG	-22.6	-	Novel-mir-556-3p	-	ATGGAGTCAAGCCACAGCACA G
Novel-mir-1023	TGAAAAATATGGACTGTATTTTTATATAGCGCTATTCTCACAGTGTGTGCACTGGCCAAAGCGTTTACAGAGGATCATAACCA TTCACCCAT	-24.7	-	Novel-mir-1023-3p	-	TTTACAGAGGATCATAACCC
Novel-mir-984	TGATCATAGACTTCCACCATCTGCAGAGAAAACTCTTCTGTTGGTTTGGAGAAAGGGCTGTATGGTGG	-19.5	-	Novel-mir-984-3p	-	TTCTGTTGGTTTGGAGAAAGGGC
Novel-mir-970	AAAGGATAACAGTGGTTGGCCTCCGTTGGGACTGACAACACCCGCCATGAACGGCGCGCAATTCGAATGCACTGACCCGCTTGT CGTATC	-23.5	-	Novel-mir-970-3p	-	TTCCAATGCACTGACCCGCT
Novel-mir-951	GCCTAAACACTACAGCAGCTGCTTTTACTGATCTAAACACTTTGGGACTTGTAGTGAATCAGCTGCTGTGCTGTTGTCT	-33.2 2	-	Novel-mir-951-3p	-	TTAGTGAATCAGCTGCTGTG
Novel-mir-937	CATCGGCTGTTGTTGCTGCGCTGAGCCACACTGTGTGAGTCATGGAGGTTTGTGCGAGCGGGCAAGGGCTTTCTTCT	-24.8	-	Novel-mir-937-3p	-	TGTTTGTGAGGGGGCAAGG
Novel-mir-917-1	AACCTAAGGCAGGGATGAATCCAGCCGCCCATGAGCAAGATGTTGGGTGATTGGATCCGGGTCTGCAGCATCTGAGGAG	-27.1	-	Novel-mir-917-3p	-	TGTGATTGGATCCGGTCTGCAG C
Novel-mir-917-2	ACTCTGGGTACACAACCTGAGGCAGGGATGAATCCAGCCGCTCCCTGAGCCAGATGTTGGGTGATTGGATCCGGGTCTGCAGC ATTTGAGGAG	-30.4 2	-	Novel-mir-917-3p	-	TGTGATTGGATCCGGTCTGCAG C
Novel-mir-914	TGACAGTGTGGTGTACTGTAGGTTGGCACACGGTCTGGGTGAGCAGTGTGAAGAGCAATGGACTGAGCACATGCCCC	-23.8	-	Novel-mir-914-3p	-	TGTGAAGCAATGGACTGAG
Novel-mir-908	GCCTGACACCCTGTCTGGTCTGCGGCTTTGTTGGTGTGATCCTTCTCAGGGTGGAGCTCACCTGTGTAGCTGCAGGACGAGAG GCTGGTGTCTTTC	-44.1	-	Novel-mir-908-3p	-	TGTAGCTGCAGGACGAGAGGCT
Novel-mir-313	GACGTGAGATCTCACTGCGTACGTGAGCAGGTGCGTAACATGTTGGTTTGTGGTGTAGTAGGTGTGCGTAGTTGCTGTTGGTA TGATCATTGCTGCTG	-27.4 6	-	Novel-mir-313-5p	-	TGCGTAGTTGCTGTTGGTATGAT C
Novel-mir-871	TACTTGTGTGTGAGCGTCGACAGGTCATGTAGCTGCTGCTGAGTGCCTGAGCCAGTTGAGCGTTTACGCGTGAAC	-26.6	-	Novel-mir-871-3p	-	TGCCTGAGCCAGTTGAGCGTTG
Novel-mir-797	TCAGAGGGAGGAATACCAGGAGAGCATGTGGGATGAAACACAGGACAGTCTCTTTTATCTTCTTCACTGCTCATTCTCGCTGC	-22.9	-	Novel-mir-797-3p	-	TCTTTCATCTTCTTCACTGCTCA
Novel-mir-793	GATGCACACAGATGGATAAAAACATTAATAACATACAAAAATGCACACTGTTGAGAGCCCTCAACACCTCTTGCAATTATTGCTCTGTA AAATGCGTTCCC	-22.9	-	Novel-mir-793-3p	-	TCTTGCATTAATTGCTCTGTA AAA
Novel-mir-713	ACTTCAAGTACAACCTCCAACAGTGCATCTACAAAAGTTCTCAGACGACTGCTATTGTTGGATGTGCATCTGGGGGGATGAGG A	-24.5	-	Novel-mir-713-3p	-	TATTGTTGGATGTGCATCTGGGG
Novel-mir-162	GCCAGGCTGGGGAAATCGGGAGGGGATTCTGTCATTACCCTGGCTGAAGTGGCAAGGATGTTAAGGAACCTCCTCGTGGCACGG CTCTGGG	-43.2	-	Novel-mir-162-5p	-	TAGTTAAGGAACCTCCTCGTGGC A
Novel-mir-683-1	CTGACCTAAAGTGTCTGCCAGTACTGCATCAGACTGCAGGTCAATGACTTCTAGCTGAACATCACTGGGTGCATTATCTACACT	-21.3	-	Novel-mir-683-3p	-	TAGCTGAACATCACTGGTGCAT

Novel-mir-683-2	CTGACTTAAAGTGCTCTGCCAGTATTGCATCAGACTGCAGGTCAATGACTTCTAGCTGAACATCACTGGGTGCATTATCCACT	-22.1	-	Novel-mir-683-3p	-	TAGCTGAACATCACTGGGTGCAT
Novel-mir-596-1	AAACTTAGGGGTGACAAGGCTTTTGTCTGGGGCTCCAAAGTTGTGGATTTCATTGCCCTATATATTAGGCAGGCCCTTATTG	-30.3	-	Novel-mir-596-3p	-	CCCCTATATATTAGGCAGGCC
Novel-mir-596-2	AAGACTTGGGGGACAGGGCTTTTGTCTGGGGCTCCAAAGTTGTGGAATACATTGCCCTATATATTAGGCAGGCCCTTCGTT	-32.5	-	Novel-mir-596-3p	-	CCCCTATATATTAGGCAGGCC
Novel-mir-587	GTAAGGACCTAAGCAAGCTACTTGTTCATCGCTGCTGGCGATGGCAGACAGCGGCTGGTCAATGAAGTCAAGCAGCGGAG	-35.6	-	Novel-mir-587-3p	-	CATGTGAAGTCAAGCAGCGGAGGA
Novel-mir-578-1	TTAACTACAATGTGTATTCACTGTGATGTGCCTTGGGAGTGATGCTCAGCACTGCTCCCATGCAGGGAGTTACAGGAAAAGGCAAA	-27.3	-	Novel-mir-578-3p	-	CAGGGAGTTACAGGAAAAGGCA
Novel-mir-578-2	TTAACTACAATGTGTATTCACTGTGATGTGCCTTGGGAGTGATGCTCAGCACTGCTCCCATGCAGGGAGTTACAGGAAAAGGCAAA	-27.3	-	Novel-mir-578-3p	-	CAGGGAGTTACAGGAAAAGGCA
Novel-mir-578-3	TTAATTAACATAATGTGTATTCACTGTGATGTGCCTTGGGAGTGATGCTCAGCACTGCTCCCATGCAGGGAGTTACAGGAAAAGG	-28	-	Novel-mir-578-3p	-	CAGGGAGTTACAGGAAAAGGCA
Novel-mir-576	ACTGTCTGCTGAAGTCTGTACTTGTCTGCTTGGTTGCTGAGCCAACCAGACAGTATAGAGTGCAGAGAACAGACTCG	-28.3	-	Novel-mir-576-3p	-	CAGACAGTATAGAGTGCAGAG
Novel-mir-568	GCTGGAGCTGGTGCATTGTAGTTGCATTGCATGTTATGCTAACACACTGCAATGGATCTGCTTGAACACAGAACTTGG	-30.7	-	Novel-mir-568-3p	-	CAATGGATCTGCTTGAACA
Novel-mir-535	CAGTCTACTTCTGCTTATTGTGAGTTCCTGGTTAAAAGAACCGGAAGCTACAGAGAAATAGTAGCT	-19.6	-	Novel-mir-535-3p	-	ACCGGAAGACTACAGAGA
Novel-mir-1036	GCTTGATACGCCCTCTCTGCCCGGCTGGGGCAGGGTCTTTTTTGTGGGAAAAGGATGGGGCTTAGAC	-29.1	-	Novel-mir-1036-3p	-	TTTGTGGGAAAAGGATGGG
Novel-mir-1025	AGGATGCTTCGTCACCAAGATGCGACCTATCACTCGGTGTCTCTGCGAACTTTAGGATGATGTTGTGGAGGCGACACAG	-27.2	-	Novel-mir-1025-3p	-	TTTAGGATGATGTTGTGGAGGC
Novel-mir-1021	GCTGTTGTGACACATATGACCTAGTTTACAGACGAGGCGAGGGGAAGGACTGCGCGAGTTTGTGTTGATTCTCACTTTGTC	-21.6	-	Novel-mir-1021-3p	-	TTGTTTTGATTCTCACTTTG
Novel-mir-1007	TCTGTACTGGCTGCTGGACTTCTGACTGGCAGGCCCCAGACTGTCAGGATTGGTAATAGGACTTCAGCCAGCATTGTACAAA	-29.5	-	Novel-mir-1007-3p	-	TTGGTAATAGGACTTCAGCCAGC
Novel-mir-994	TGACAATAATGATGTTCCAGTGTTCAGTCTCAGTAGAGCCAGCAATGGCATTGTATGTTGAACATTATTTGAAAGTCTGTTG	-20.4	-	Novel-mir-994-3p	-	TTGATGTTGAACATTATTTGA
Novel-mir-991	CTACAGGTTCCATACTGAGACATGGCAGCATTTAGGCTGTATACTAATTGTGATTCTACTGTTGACTTGGTCTGCTCCTGCA	-25.2	-	Novel-mir-991-3p	-	TTGACTTGGTCTGCTCCTGCATG
Novel-mir-982	CCCAGTCACTGCGCTGCCCTGACCTGTCAGTGGATCACCAGTTTTCTGATAGACAGGAAGCAGCAGGTGAGGCTGGA	-36.3	-	Novel-mir-982-3p	-	TTCTGATAGACAGGAAGCAGCAGG
Novel-mir-971	TGTCCTCCGTGCAGGCATTGTTACCTGAGCTGTGAAGGCTTTTACACTTCCATAGCTTGTGTCAGTCTTACTTGGGCA	-30.6	-	Novel-mir-971-3p	-	TTCCATAGCTTGTGTCAGTCTTC
Novel-mir-932	AGACCAGCTTCCCTGAGTTGCCGTGTAAGTATAGCTGTTGCTGGGCTTCTTTATTGTGGCAGCTGTGTTCACTGTCAGCTCAGG	-40.0	-	Novel-mir-932-3p	-	TGTTCACTGTCAGCTCAGGTCA
Novel-mir-902	GCTGCTATCTGTTTAGCATTAGCTCGCAGTGCACACACGCTCCCATTCAGCATTGTGGTTTTGTTGAGGTGCTGGAATAAATTC	-21.2	-	Novel-mir-902-3p	-	TGGTTTTGTTGAGGTGCTGGAAT
Novel-mir-895	CGGGCATGGGACCGCATCTTCATGGCTCCGGCCATGCAGGGCTGTGTGATATAGCAGATAAAGGCTGGGTTAGAGCAGAAGAA	-26.7	-	Novel-mir-895-3p	-	TGGGTTAGAGCAGAAGAAGAGGGA
Novel-mir-884	TGTTTGGTGACAGAGTTTGTGTTTTCAGTCTTGTCTGTAAGCTGGATACAGGAACAAGAAACGTGGTCTGAGC	-18.6	-	Novel-mir-884-3p	-	TGGATACAGGAACAAGAAACG
Novel-mir-884	TGTTTGGTGACAGGTTTGTGTTTTCAGTCTTGTCTGTAAGCTGGATACAGGAACAAGAAACGTGGTCTGAGC	-19.9	-	Novel-mir-884-3p	-	TGGATACAGGAACAAGAAACG
Novel-mir-313	AAGCCACCAAGATGATGCGCAACATGTGGGTTTGTAGTGTAGTAGTGTGCGTAGTGTGTTGATGATCATTGTTGCTG	-18.9	-	Novel-mir-313-5p	-	TGCGTAGTGTGTTGTTGATGAT
Novel-mir-860	ACTGGGAAACACCCAGTGCACAAAGTCCATGATCGGCTGGTACTGTTGTTTATGATGGCGTGCATGCAGGACTAGAGATCGGC	-33.6	-	Novel-mir-860-3p	-	TGCAGGACTAGAGATCGGCTGGC
Novel-mir-846	AGACCGGTGTCTATCAGCGCAGCAGAAACACAGTCAATGGTATGATGGGTGATGATGGCCGGGCTGCGGACGTTGGGATCA	-26.4	-	Novel-mir-846-3p	-	TGATGATGGCCGGGCTGCGGA
Novel-mir-838	TGGGCTCAGGCAGTCCCAAGGGCAGGGACTCAGAGCAAGGGAGTACGCCCTGCTCCCTGAGTGTAGTGTCCCGGGAATC	-37.4	-	Novel-mir-838-3p	-	TGAGTGTAGTGTCCCGGGA
Novel-mir-831	GATGACCAGCACCTTCTAGAGCTGCCGTCGGGCCAACTGAGCTATCGGGGAGAGGAGCCTTGGTGA	-28.3	-	Novel-mir-831-3p	-	TGAGCTATCGGGGAGAGGAGC

Novel-mir-826	GTCTCTGCTCCTGTA CTGGTCAAAGCTCCTCAGTGTGGATAGATGCCTGAGAGGTTCTGAACAAGTATAGGATCTCTGA	-30.7	-	Novel-mir-826-3p	-	TGAGAGGTTCTGAACAAGTATA
Novel-mir-824-1	ATGGTCACGGGGGCCACCACACTCGATATCTTTCTCGCTTCACTTTACAGAGGGAAATGAGACGAAACAGGCACTGTGGTTACGTGAAGGC	-21	-	Novel-mir-824-3p	-	TGAGACGAAACAGGCACTGTGGTT
Novel-mir-824-2	GGTCGCGGGGGCCACCGCACTCGACATCTTTCTCGCTTCACTTTACAGAGGGAAATGAGACGAAACAGGCACTGTGGTTACGTGCG	-26.3	-	Novel-mir-824-3p	-	TGAGACGAAACAGGCACTGTGGTT
Novel-mir-807	AAGCGGAGGCGATGATGGCTGTGAACACAGGGACATGGAGAACAGAGACAGGTGAAGTGGAGACTGTGCATCGACCTGTACGGCTG	-21.5	-	Novel-mir-807-3p	-	TGAAGTGGAGACTGTGCATCGAC
Novel-mir-761	AGCTCAGCAGACATCTGCCCTCCATTCTAACTACCTGTGGTCTTTACAGTACAGGAGTCCAAAATCTAGTTACAGTGGGAGTCCGGGACACTGAGGT	-32.5	-	Novel-mir-761-3p	-	TCTAGTTACAGTGGGAGTCCGGG
Novel-mir-734	TCTGTGAGAAAGCTAGTAATCCACTGACAGGTGGGGCAGGCACAGTGAAGTGGGTCAGTTTGGAGTGGAGGATTTCCGGGATGATGG	-23.9	-	Novel-mir-734-3p	-	TCAGTTTGGAGTGGAGGATTTCC
Novel-mir-715	GCCCTGCCAAAAGTGTTCACAGTGGAGGTGAGCAGCTGTTGACCTCAACTGGGACATTTGACAGCGGTGAAAGAAT	-27.3	-	Novel-mir-715-3p	-	TCAACTGGGACATTTGACAGCG
Novel-mir-707-1	TTTATTGATTTTCAAAGGCCTTTGACACTATTAATTTGAAATTTACTTGATAAATGGAAAGGTATGGTATTAGAGGTTTGGTGCTGAAATGGATAA	-23.5	-	Novel-mir-707-3p	-	TATGGTATTAGAGGTTTGGTGCTG
Novel-mir-707-2	TTTATTGATTTTCAAAGGCCTTTGACACTATTAATTTGAAATTTACTTGATAAATGGAAAGGTATGGTATTAGAGGTTTGGTGCTGAAATGGATAA	-22.7	-	Novel-mir-707-3p	-	TATGGTATTAGAGGTTTGGTGCTG
Novel-mir-707-3	TTTATTGATTTTCAAAGGCCTTTGATACTATTTACTTGATAAATGGAAAGGTATGGTATTAGAGGTTTGGTGCTGAAATGGATAA	-22.4	-	Novel-mir-707-3p	-	TATGGTATTAGAGGTTTGGTGCTG
Novel-mir-696	TGACAGGCTTGTGGAGGTGTTAATACTCTAACCCGGATCCACTGTCCACCGTTTATAGTTGTTACAGACCTGCAGACAATGACGTCG	-23.2	-	Novel-mir-696-3p	-	TAGTTGTTACAGACCTGCAGAC
Novel-mir-665	TGTGTTACAGTCCAGACTTGACAATGTAGAGGTGAGCCATCTTACATGTGTCAGACATGAGGCTGAAATTAG	-22.7	-	Novel-mir-665-3p	-	TACATGTGTCAGACATGAGG
Novel-mir-637	AAGAGGGCAGCTGACGGACAGGATGTTCTTGTGAACCAGTTCGATGGGTCCTGGTCTGTGAGAGATCTTGTCTGTTGAGGTCGTCGG	-33.3	-	Novel-mir-637-3p	-	GGTCTGTGAGAGATCTTGTCTGTT
Novel-mir-601	GCCGAGGCGTGCTGAGGCAAGTGGATAACGGCCCACTTCTCAATTGACAGATCATTGTCCCGGGTCATTTGTCCAGTAGTTGCAATCCCACT	-23.7	-	Novel-mir-601-3p	-	CCGGGTCATTTGTCCAGTAGTTG
Novel-mir-599	AATGCCGCTTGTCTGTGCAATGGCCTGCTTTGGGACTGACCCCAAGACTTTTGTGCTCCCTAGACTATGCCAGCCACAAAACTCGTATG	-20.7	-	Novel-mir-599-3p	-	CCCTAGACTATGCCAGCCACA
Novel-mir-593	TGTAAGTATCAGTGGGATTTACTATGTTCAATTTGCACTCTATGGTCATTTAAAGTGTGAGGACCATGAGTAAAGTATCCACGTACTCTCTGATG	-24.3	-	Novel-mir-593-3p	-	CCATGAGTAAAGTATCCACGTAC
Novel-mir-561	TCTTGTACTGCCATGGCATAGACCTCCTCTCTGCTGTGGAATCATGGTATTGGGAGAGAAACTCTGGACTTTGGCACAGG	-24.9	-	Novel-mir-561-3p	-	ATTGGGAGAGAAACTCTGGACT
Novel-mir-537	TGTATAGACACCTGTAAGCCAACAGTGTGAGTGTGGGATCGGGGACTGTGGTACTGTGGATGCAGCAGGCTGTGAATTCGGTAT	-19.6	-	Novel-mir-537-3p	-	ACTGTGGATGCAGCAGGCTGTG
Novel-mir-532-1	GAGTCTTTCTTACATGTTTCACTGTGCTGCTACTGTTACTTCTGAACTCAGACGTTACAGACATGAAACAGTAACTGTGGCCTGTGCAACAGTTACAGGCTC	-30.7	-	Novel-mir-532-3p	-	ACAGTAACTGTGGCCTGTGCAAC
Novel-mir-532-2	GAGTCTTTCTTACATGTTTCACTGTGCTGCTACTGTTATTTCTGAACTCAGATGTTACAGACATGAAACAGTAACTGTGGCCTGTGCAACAGTTACAGGCTC	-29.1	-	Novel-mir-532-3p	-	ACAGTAACTGTGGCCTGTGCAAC
Novel-mir-532-3	GAGTCTTTCTTACATGTTTCACTGTGCTGCTACTGTTATTTCTGAGCTCAGATGTTACAGACATGAAACAGTAACTGTGGCCTGTGCAACAGTTACAGGCTC	-30.89	-	Novel-mir-532-3p	-	ACAGTAACTGTGGCCTGTGCAAC
Novel-mir-539	AACACTTTGTGTCTCCTGCAGCTACCGTTACTGCAAGAACAAGCCCTACCCCAAGTCCCGCTTCTGCAGGGGTGTGCCTGGTAAAG	-21.7	-	Novel-mir-529-3p	-	AAGTCCCGCTTCTGCAGGGGTGT

Supplementary Table S4 | The primers used in the study

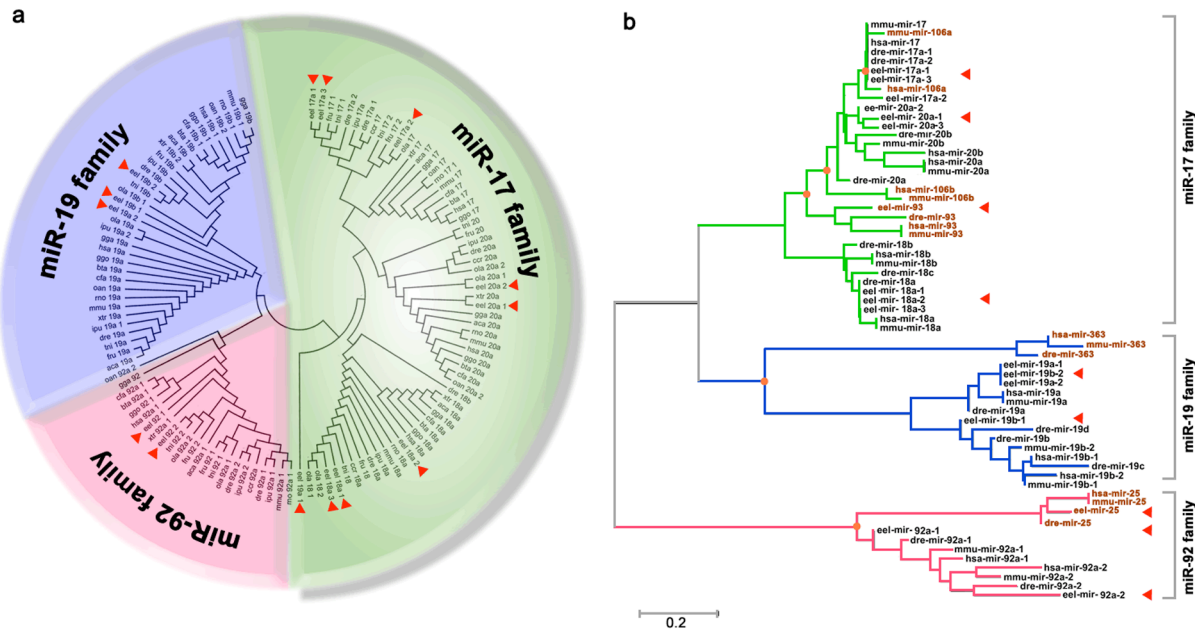
Primers for qRT-PCR and making constructs, Sites for restriction enzymes are underlined.

Primer name	Primer sequence (5'-3')	PCR conditions
eel-U6	F: CAAATTCGTGAAGCGTTCCTCAT	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre-U6	F: CAAATTCGTGAAGCGTTCATCT	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-17a-5p	F: CAAAGTGCTTACAGTGCAGGTA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-18a-5p	F: TAAGGTGCATCTAGTGCAGATA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-19a-3p	F: TGTGCAAATCTATGCAAACTGA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-19b-3p	F: TGTGCAAATCCATGCAAACTGA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-20a-5p	F: TAAAGTGCTTATAGTGCAGGTAG	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre/eel-miR-92a-3p	F: TATTGCACTTGTCCCGCCTGTA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre-miR-17a-3p	F: ACTGCAGTGGAGGCACTTCTAG	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles

dre-miR-19a-5p	F:CTAGTTTTGCATAGTTGCACTAA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre-miR-19b-5p	F:AGTTTTGCTGGTTGCATTCAGA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
dre-miR-20a-3p	F:ACTGCAGTGTGAGCACTTGAAG	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-17a-3p	F:ACTGCAGTGAAGGCACTTTCAA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-18a-3p	F:ACTGCCCTAAGTGCTCCTTCTA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-19a-5p	F:CTAGTTTTGCATAGCTGCACTA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-19b-5p	F:AGTTTTGCTGGTTGCATTCCGC	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-20a-1-3p	F:ACTGCATTGTGAGCACTTAAAA	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
eel-miR-20a-3-3p	F:CTGCAATGTGAGCACTTGAAGT	94 °C, 15 s; 60 °C, 20s; 72 °C, 20s; 40 cycles
Psi-dmrt1-3'UTR	F: CCGCTCGAGGGGGTCGTTCTATAAGGTTTT R: AATGCGGCCGCGCTTTGGTCTTGTTTGTAAAT	94 °C, 30 s; 62 °C, 30s; 72 °C, 1 min; 35 cycles
Psi-dmrt1-3'UTR Mut-1	F: TCATTCTTTCTGTACTGGA ^{ACT} CAGTAT R: TCGCAGTAGTACTTACTGTCAAATCTTA	94 °C, 30 s; 56 °C, 30s; 72 °C, 6 min; 30 cycles

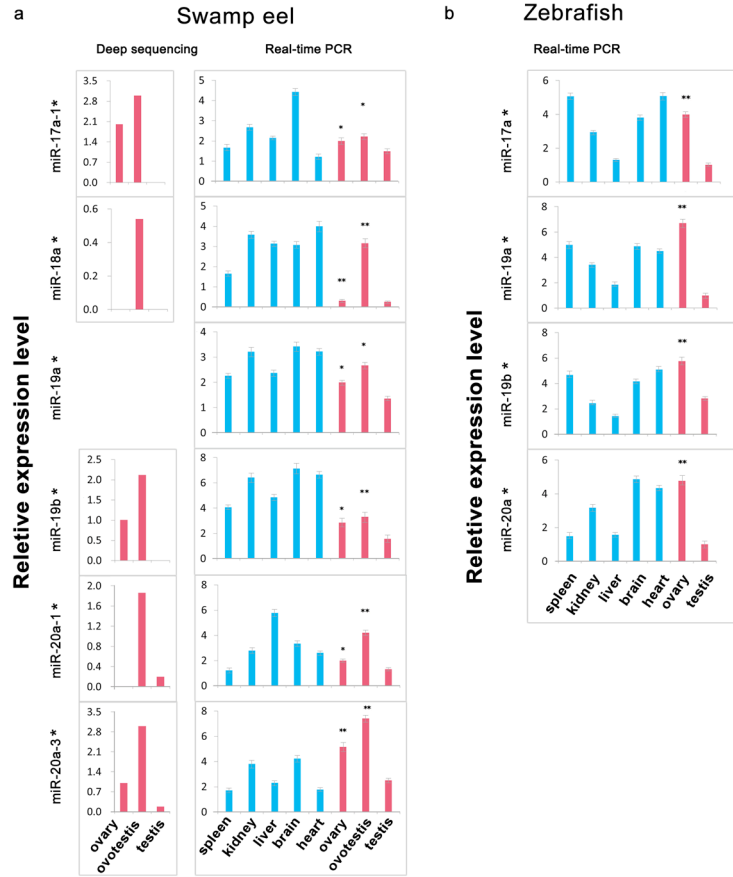
Psi-dmrt1-3'UTR Mut-2	F: TCATGTTTAGTAAGACTAACAGTTAATT R: TCGCCTGTTGAATATGTGCATTTTCTAA	94 °C, 30 s; 56 °C, 30s; 72 °C, 6 min; 30 cycles
pcDNA6.2- EmGFP-miR-19a	F: CACTGACTGACTCAGTTTATAGATTTGCA CACAGGACACAAGGCCTGTTACTAGCAC R: GCCAAAACCTCAGTTTTGCATAGATTTGCA CACAGCATAACAGCCTTCAGCAAGCCTCCA	94 °C, 30 s; 55 °C, 30s; 68 °C, 6 min; 30 cycles
pcDNA6.2- EmGFP-miR-19b	F: CACTGACTGACTCAGTTTATGGATTTGCA CACAGAGCACAAGGCCTGTTACTAGCAC R: GCCAAAACCTCAGTTTTGCATGGATTTGCA CACAGCATAACAGCCTTCAGCAAGCCTCCA	94 °C, 30 s; 55 °C, 30s; 68 °C, 6 min; 30 cycles
pcDNA6.2- EmGFP-miR-17a	F: CACTGACTGAC TACCTGCAGTAAGCACTT TGCAGGACACAAGGCCTGTTACTAGCAC R: GCCAAAACCTACCTGCACTGTAAGCACTT GCAGCATAACAGCCTTCAGCAAGCCTCCA	94 °C, 30 s; 55 °C, 30s; 68 °C, 6 min; 30 cycles
pcDNA6.2- EmGFP-miR-20a	F: CACTGACTGACCTACCTGCTATAAGCACTT TACAGGACACAAGGCCTGTTACTAGCAC R:GCCAAAACCTACCTGCACTATAAGCACTT TACAGCATAACAGCCTTCAGCAAGCCTCCA	94 °C, 30 s; 55 °C, 30s; 68 °C, 6 min; 30 cycles

Supplementary Figure S1



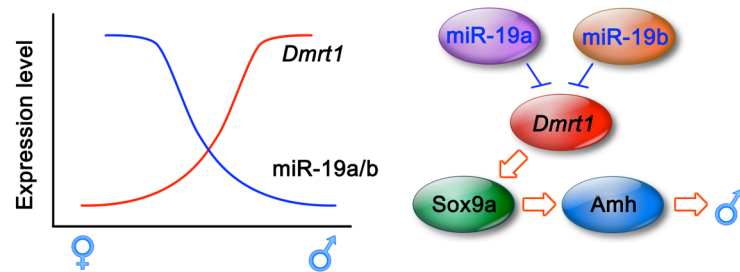
Supplementary Figure S1 | Phylogenetic analysis of miR-17-92 cluster and its paralogues. (a) Phylogenetic tree shows three miRNA families including miR-17, miR-19 and miR-92. The tree was constructed using miRNA precursors from fourteen vertebrate species including the swamp eel with MAGA 6.0. Red triangles indicate miRNAs in swamp eel. (b) Phylogenetic analysis highlights the relationship of miR-17-92 with its paralogous clusters. Red dots show branch points. miR-17-92 clusters are labeled in black color, while paralogous clusters are labeled in brown color. Red triangles indicate miRNAs in swamp eel.

Supplementary Figure S2



Supplementary Figure S2 | Tissue distributions of star miRNAs of miR-17-92 cluster in both zebrafish and swamp eel. (a) Six star miRNAs were expressed in adult tissues of swamp eel. The expression level in gonads was detected by q-PCR in comparison with deep sequencing (red bars). miR-19a* was not detected by deep sequencing. However, by searching the reference genome, we did find the mature and typical stem loop of miR-19a, and detected its expression by q-PCR. (b) miR-17-92 cluster zebrafish generated six miRNAs guide strands and four star miRNAs. All of the star miRNAs were expressed in adult tissues of zebrafish. The expression was analyzed by q-PCR. The statistical significance was assessed by Student's t-test with p value < 0.05 (*), p value < 0.01 (**). The y axis indicates the \log_2 fold change.

Supplementary Figure S3



Supplementary Figure S3 | The schematic diagram of the *Dmrt1* expression regulation by miR19a/b. A negative correlation between *Dmrt1* and miR19a/b expressions supports the regulation pathway in gonads. Through direct repression on *Dmrt1*, miR-19a/b inhibits the expression levels of *Sox9a* and its downstream gene, *Amh*, thus leading to testis differentiation.