

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
1	bta-let-7d-3p	cuauacgaccugcugccuuucu	ccuaggaagagguaguagguugcauaguuuucgggcagggauuuugcccacaag gagguaaCUAUACGACCUGCUGCCUUUCUuagg	62 to 83
2	bta-let-7i-3p	cugcgcaagcuacugccuugcu	cuggcugagguaguuuugugcuguuggucggguugugacauugcccgcugug gagauaaCUGCGCAAGCUACUGCCUUGCUa	62 to 83
3	bta-mir-132-5p	accguggcuuucgauuguuacu	ccgcccccgcgucuccagggcaACCGUGGCUUUCGAUUGUUACUgugggaaccg gagguaacagucuacagccauggucgccccgcagcacgcccacgcgc	23 to 44
4	bta-mir-1388-5p	aggacuguccaaccugagaaug	ccuggggcggugccuucAGGACUGUCCAACCUGAGAAUGgugagcauccagggac aaucucagguuugucagcccgcaggugccgucuccuc	17 to 38
5	bta-mir-140-5p	cagugguuuuaccuaugguagg	ucucucuguguccugcCAGUGGUUUUACCCUAUGGUAGGuuacgucaugcuguu cuaccacaggguaagaaccacggacaggauaccggggcacc	17 to 39
6	bta-mir-142-5p	cccuaaaaguagaaagcacuac	gacagugcagucaCCCAUAAAGUAGAAAGCACUACuaacagcacuggagggugu aguuuuuccuacuuuauuggaugagugacuug	14 to 35
7	bta-mir-148b-5p	gaaguucuguuauacacucagggcu	uuagcauuugagguGAAGUUCUGUUUACACUCAGGCUGuggcucucugaaagu cagugcaucaacagaacuugucugaaagcuuucua	15 to 38
8	bta-mir-15a-3p	aggccauauugugcugccuca	ccuuggaguaaaguagcagcacauaauugguuuguggauuuugaaaaggugcAGG CCAUAUUGUGCUGCCUCAaaaauacaagg	52 to 72
9	bta-mir-15b-3p	cgaaucauuuuugcugcucua	uugagaccuuuaaguacuguaagcagcacaucaugguuuacauacuacagucaag augCGAAUCAUUUUUGCUGUCUAgaaauuuaaggaaaucua	58 to 79
10	bta-mir-185-3p	aggggcuggcuuuccuccggc	gggggugagggacuggagagaaaggcaguuccugaugguccccuccccAGGGGC UGGCUUUCCUCCGGCcccuccuucc	49 to 69
11	bta-mir-191-3p	gcugcgcuuggauuucguuccc	ggcuggacagcgggcaacggaauccaaaagcagcuguugucuccagagcauuc caGCUGCGCUUGGAUUUCGUUCCUgcucuccugccu	57 to 78
12	bta-mir-19b-5p	aguuuugcagguuugcauccagc	cacuguucuaugguuAGUUUUGCAGGUUUGCAUCCAGCugugugauauucugcu gugcaaauccaugcaaaacugacugugguagug	16 to 38
13	bta-mir-20a-3p	acugcauuauagagcacuuuaagu	guagcacuaaagugcuuauagugcagguaguguuuaguuaucuACUGCAUUAUG AGCACUUAAGUacugc	44 to 66
14	bta-mir-21-3p	caacagcagucgaugggcuguc	ugucggguagcuuacagacugauguugacugugaauucuauggCAACAGCAG UCGAUGGGCUGUCugaca	46 to 67
15	bta-mir-210-5p	agccacugcccaccgcacacugc	ccuccagggcagggcAGCCACUGCCCACCGCACACUGCgcugcuccggacca cugugcgugugacagcggcugaucugucccugggcagcgcgacc	17 to 39
16	bta-mir-22-3p	aagcugccagugaagaacugu	ggcugagccgcaguaguucucaguggcaagcuuuauuguccugaccagcuaAA GCUGCCAGUUGAAGAACUGUgcccucugcc	53 to 74
17	bta-mir-2468-3p	ccaauuuuccauguuccugugc	gauuggcauaggaacauggaagauugcagucaucaucauuuucugCCAUUUU CCAUGUCCUGUGCaguc	47 to 68

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18	bta-mir-25-5p	aggcggagacuugggcaauugcu	ggccaguguugagAGGCGGAGACUUGGGCAAUUGCUggacgcugccccggggcau ugcacuugucucggucugacagugccggcc	14 to 36
19	bta-mir-26b-3p	ccuguucuccauuacuuggcu	ugccccgggaccaguucaaguaauucaggauagguugugugcuguccagCCUGU UCUCCAUUACUUGGCUcgggggccggugccc	50 to 70
20	bta-mir-27b-5p	agagcuuagcugauuggugaaca	accucucugacgaggugcAGAGCUUAGCUGAUUGGUGAACAgugacugguuucc gcuuuguucacaguggcuaaguucugcaccugaagagaaggug	19 to 41
21	bta-mir-29a-5p	acugauuuuuuggguguucagag	augACUGAUUUUUUGGUGUUCAGAGucaauuaauuuuucuaagcaccuacuga aaucgguuau	4 to 27
22	bta-mir-29b-1-5p	gcugguuucauauuggguguuaga	cuucaggaaGCUGGUUUUCAUUGGUGGUUUAGAuuuuuuagugauugucuagc accuuugaaaucaguguucuuuggggg	10 to 33
23	bta-mir-29b-2-5p	gcugguuucacaugggugcuuaga	cuucaggaaGCUGGUUUACAUGGUGGUUAGAuuuuuccaucuuuguaucuaag caccuuugaaaucaguguuuuaggag	10 to 33
24	bta-mir-29c-5p	accgauuucuccuggguguucag	aucucuacacaggcugACCGAUUUUCUCUGGUGUUCAGagucuguuuuuugucu agcaccuuugaaaucgguuauauguagggggg	18 to 39
25	bta-mir-30b-3p	cugggagguggauguuuacuuc	ccaaguuuucaguucauguaaacaucacucagcuguaacacacgagucgg CUGGGAGGUGGAUGUUUACUUCagcugacuugga	55 to 76
26	bta-mir-30e-3p	cuuucagucggauguuuacagc	gggcagucuuugcuacuguaaacaucucuggaagcuguaaggcgguugcaa ggagCUUUCAGUCGGAUGUUUACAGCggcaggcugcca	59 to 80
27	bta-mir-324-3p	ccacugccccaggugcugcugg	aacuggcuaugcccccgcacccccuaggcauugguguaaagcuggagacCC ACUGCCCCAGGUGCUGCUGGggguuguagucugac	53 to 74
28	bta-mir-339a-3p	gcgcuuccugaggccagagcc	ggggcagccgcugucccugucccaggagcucacuugguccggccguGCGCUC CUCGAGGCCAGAGCCcgugucugc	49 to 69
29	bta-mir-33a-3p	caauguuuccacagugcauca	cugcggugcauuguaguugcauugcauguucuggcgguaaccgugCAAUGUUUC CACAGUGCAUCAcag	46 to 66
30	bta-mir-340-5p	uuauaaagcaaugagacugauu	uuguaccuggugugaUUAUAAAGCAAUGAGACUGAUUgucaugugucguuugug ggaucgucucaguuacuuuauagccauaccugguaucua	16 to 37
31	bta-mir-361-3p	ccccaggugugauucugauuugc	ggagcuuacagaauccaggggguacuuaauuuugaaaaaguCCCCCAGGUG UGAUUCUGAUUUGCuuc	45 to 68
32	bta-mir-362-3p	aacacaccuauucaaggauuca	cucgaauccuuggaaccuaggugugagugcuguucuaugucAACACACCUAUUC AAGGAUUCaAa	42 to 63
33	bta-mir-425-3p	aucgggaaugucguguccgcc	gaaagcgcuuuggaauagacacgaucacucccgugagugggcacccaagaagcc AUCGGGAAUGUCGUGUCCGCCcagugcucuuc	55 to 75
34	bta-mir-6119-3p	caaaucuuuuuuacucuccaa	auuuugagagguaaaaauugauuuugacuaguucuuuaacacaucuagCAAUC AUUUUUACUCUCCAAaagaac	49 to 70

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35	bta-mir-7-2-3p	caacaaaucacagucugccaaua	uggauguuggucuguucuguguggaagacuagugauuuuguuuuuagaua acugaaucgaCAACAAUACAGUCUGCCAUAuggcacaggccaugccucuaca g	65 to 86
36	bta-mir-92a-1-5p	agguugggaucgguugcaaugcu	cuuucuacacAGGUUGGGAUCCGUUGCAAUGCUguguuucuguaugguauugca cuugucccgccuguugaguugg	11 to 33