

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
1	bta-let-7a-3p	cuauacaaucaucugucuuuuc	gggugagguaguagguuguauaguuuuggggcucugcccugcuaugggauaaCUAUACAAUCUACU GUCUUUCcu	52 to 72
2	bta-let-7a-5p	ugagguaguagguuguauagu	ugggaUGAGGUAGUAGGUUGUAUAGUUuuagggucacaccaccacugggagauaacuauacaau cucugucuuuuccua	6 to 27
3	bta-let-7b	ugagguaguagguugugugguu	cggggUGAGGUAGUAGGUUGUGUGUUucaggguaugugauguugccccucggaagauaacuaa caaccuacugccuucc	6 to 27
4	bta-let-7c	ugagguaguagguuguauugguu	gcauccggguUGAGGUAGUAGGUUGUAUGGUUuagaguuaacaccucgggaguuacuguaacaacc uucuaagcuuuccuuggagc	11 to 32
5	bta-let-7d	agagguaguagguugcauagu	ccuaggaAGAGGUAGUAGGUUGCAUAGUUucgggcagggauuuugcccacaaggagguaacuau acgaccugcugccuuucuuagg	8 to 29
6	bta-let-7e	ugagguaggagguuguauagu	cccgggUGAGGUAGGAGGUUGUAUAGUugaggaggacaccacaaggagaucauauacggccucc uagcuuucccagg	8 to 28
7	bta-let-7f	ugagguaguagauuguauagu	ucagagUGAGGUAGUAGAUUGUAUAGUUgugggguaugauuuuaccugucaggagauaacua uacaaucauugccuucccuga	7 to 29
8	bta-let-7g	ugagguaguaguuguacaguu	aggcUGAGGUAGUAGUUUGUACAGUUugagggucuaugauaccaccgguacaggagauaacugu acaggccacugccuugcc	5 to 26
9	bta-let-7i	ugagguaguaguugugcuguu	cuggcUGAGGUAGUAGUUUGUGCUGUUggucggguugugacauugcccgcuguggagauaacugc gcaagcuacugccuugcua	6 to 27
10	bta-mir-1	uggaauguaaagaaguauguau	gcuugggaaacaauacuucuuuauugucccauauaggaccugcuaagcuaUGGAAUGUAAAGAAGUA UGUAUuucagg	49 to 70
11	bta-mir-100	aaccguagauccgaacuugug	ccuguuGCCACAACCCGUAGAUCCGAACUUGUGgugguagugcacacaagcuugugucuaauagg uauugugcugu	13 to 34
12	bta-mir-101	uacaguacugugauaacugaa	aggcugcccuggcaguuaucaagugcugaugcuguccauucuaaaggUACAGUACUGUGAUA ACUGAAggauggcagcca	51 to 71
13	bta-mir-103	agcagcauuguacagggcuauga	cugcccucggcuucuuuacagugcugccuuguugcauauaggaucaAGCAGCAUUGUACAGGGCUA UGAaggc	46 to 68
14	bta-mir-106a	aaaagugcuuacagugcaggua	ccuuggccauguAAAAGUGCUUACAGUGCAGGUAgcuuuuugagaucaucugcaaugcaagcacu ucuuaacuuaccaugg	13 to 34
15	bta-mir-106b	uaaagugcugacagugcagau	ccugccggggcUAAAGUGCUGACAGUGCAGAUagugguccugugucuaaccgcacuguggguacu ugcugcuccggcagg	12 to 32
16	bta-mir-107	agcagcauuguacagggcuauc	cucucugcuuucagcuucuuuacaguguugccuugggcauggaguucaAGCAGCAUUGUACAGG GCUAUCaaagcacaga	50 to 71
17	bta-mir-10a	uaccguagauccgaauuugug	gaucugucugucuuucguauaUACCUGUAGAUCCGAAUUUGUGuaaggaaauuugugaucaaa auucguaucuaggggaauauguaguagacauaaacacuccgcuc	22 to 44
18	bta-mir-10b	uaccguagaaccgaauuugug	cagugacguugucuaauuaUACCUGUAGAACCAGAAUUUGUGugguauccauguagucacagauu cgauucuaaggggaauauauggucgaugcaaaaaac	20 to 42
19	bta-mir-1185	agaggauaccuuuguauugu	uuugguacuugaagAGAGGAUACCCUUUGUAUGUUcacuuuuuuauuggcgaaauacagagggga gacucuauuuugcuaucaaa	15 to 35

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
20	bta-mir-1246	aauggauuuuuggagcagg	caacauuuuaAAUGGAUUUUUGGAGCAGGaaguuggaauagaggcuuucucagacaaauacuua cugugcag	11 to 29
21	bta-mir-1248	accuucuuguauaagcacugugcuaaa	uuuACCUUUCUUGUAUAAGCACUGUGCUAAAuuucagaaaccaagauagccuugguuuuuguaau aaugcuagcagaguauuacacaagaagaagaggaacugca	4 to 30
22	bta-mir-1249	acgccccuccccccuucuca	gggaggagggaggagauuggggccacguucccucugccuggaACGCCCUUCCCCCUUCUUCACcu	41 to 42
23	bta-mir-125a	ucccugagaccuuuaaccugug	ugccggccucugcgUCCUGAGACCCUUUAACCUUGUGaggagcuccagggucacaggugagguuc uugggagccuggcgucggcc	15 to 37
24	bta-mir-125b	ucccugagaccuaacuuguga	cgcgcgccucuaaUCCUGAGACCCUAACUUGUGAuguuuaccguuuuuuuuacacggguuaggc ucuugggagcugcgagucgcgc	15 to 36
25	bta-mir-1260b	aucccaccacugccacca	guugcugcugcugcgaucgAUCCACACUGCCACCAcugcugcuaacugcuccgcaggugcugc ugggugugaugaugauaguccggggggcgug	21 to 38
26	bta-mir-126-3p	cguaccgugaguaauaauugcg	ugacgggacauuuuuuugguacgcgcugugacacuucaacuCGUACCGUGAGUAAUAAUG CGcugua	47 to 67
27	bta-mir-127	ucggauccgucugagcuuggcu	ugaucacugucuccagccugcugaagcucagagggcucugauucagaaagaucaUCGGAUCCGUC UGAGCUUGGCUGgucggaagucuccuac	55 to 76
28	bta-mir-1271	cuuggcaccuaguaaguacuca	caccagaucagugCUUGGCACCUAGUAAGUACUCAguauuacuuguugagugccugcuaugug ccaggcauugugcugagggcu	15 to 36
29	bta-mir-128	ucacagugaaccggucucuuu	ugagcuguuggauucggggccguagcagucugagagguuuacauuucUCACAGUGAACCGGUC UCUUUuucagcugcuuc	50 to 70
30	bta-mir-129-3p	aagcccuacccccaaaagcau	cugcccuucgcgaauuuuugcggucugggcuugcuguacauaacucaaagccggAAGCCCUU ACCCAAAAAGCAUucgcggagggcgac	58 to 79
31	bta-mir-1296	uuagggcccuggcuccaucucc	ccuaccuaacugggUUAGGGCCUGGCUCCAUCUCUuuuaggaaaaccuucuguggggagugggg cuuugaccuaaccuagcugggcugu	15 to 36
32	bta-mir-1306	ccaccucccugcaaacgucc	CCACCUCUCCUGCAAACGUCCagugaugcagagguaauggacguuggcucugguggug	1 to 21
33	bta-mir-1307	acucggcguggcgucggucgug	caucaagagucggcugagucacugccacugccuaccaaucucgaccggaccucgaccggcucguc uauauugccaauugACUCGGCGUGGCGUCGGUCGUGguagauaggcggucuaacagacgaguuu caaguguugcugggugac	80 to 11
34	bta-mir-130a	cagugcaauguuaaaagggcau	ugcugcggggccggagcucuuuucacauugugcuaacugucugcgcugucacuagCAGUGCAAUGU UAAAAGGGCAUuggcugugcagcg	55 to 76
35	bta-mir-130b	cagugcaaugaugaagggcau	ggcugccugacacucuuucccuguugcacuacugugcgcucccuggcaagCAGUGCAAUGAUGAA AGGGCAUcggucaggcc	51 to 72
36	bta-mir-132	uaacagucuaacagccauggucg	ccgccccgcgucuccagggcaaccguggcuuucgauuguuacugugggaaccggaggUAACAGU CUACAGCCAUGGUCGccccgcagcagcccacgcgc	59 to 80
37	bta-mir-133a	uuugguucccucaaccagcug	ugggaccgaaugcuuugcuuaagcugguuaaauggaaccaaucaacugucgauggaUUUGGUC CCCUUCAACCAGCUGuagcugcgcauugau	59 to 80
38	bta-mir-1343-3p	cuccuggggcccgcacucuc	ggcuucggugcuggggagcggcccccgggcgggcucugcucuggcccUCCUGGGGCCGCACU CUCgcuccgggccc	49 to 68

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
39	bta-mir-136	acuccauuuguuugaugaugga	uuggaugagcccucggaggACUCCAUUUGUUUUGAUGAUGGAuucuuacgcuccaUCAUCGUCUC aaaugagucuucagagggguuccaucau	20 to 42
40	bta-mir-138	agcugguguugugaaucaggccg	cuggcacggugcgguggggcAGCUGGUGUUGGAAUCAGGCCGucgc caaucagagaacggcuac uucacaacaccaggguacacccccacccccagg	21 to 43
41	bta-mir-1388-3p	aucucagguuugucagcccgc	ccuggggcggugcucccaggacuguccaaccugagaauggugagcauccagggacaAUCUCAGGUU UGUCAGCCCGCAaggugccgucuccuc	56 to 77
42	bta-mir-1388-5p	aggacuguccaaccugagaau	ccuggggcggugcucccAGGACUGUCCAACCUGAGAAUggugagcauccagggacaauucucagguu ugucagcccgcaggugccgucuccuc	17 to 37
43	bta-mir-139	ucucagugcagcugucuccagu	guguacUCUACAGUGCACGUGUCUCCAGUGuggucucggaggcuggagacgcggccucguuggagu aac	7 to 29
44	bta-mir-140	uaccacagguuagaaccacgga	ucucucugugucccagugguuuuaccuaugguagguuacgucaugcugucUACCACAGGG UAGAACCACGGAcaggauaccggggcacc	56 to 77
45	bta-mir-141	uaacacugucugguaaagaugg	gaccggcucuggguccaucuccagcacaguguuggaugguucaauggugaagcuccUAACACUG UCUGGUAAGAUGGccccggcugg	58 to 79
46	bta-mir-142-3p	aguguuuccuacuuuauuggaug	gacagugcagucacccauaaaguagaagcacuacuaacagcacuggaggguguAGUGUUUCCUA CUUUUAUGGAUGaguguaucugug	55 to 76
47	bta-mir-142-5p	cauaaaguagaaagcacuac	gacagugcagucaccCAUAAAGUAGAAAGCACUACuaacagcacuggaggguguaguguuuccua cuuuauuggaugaguguaucugug	16 to 35
48	bta-mir-143	ugagaugaagcacuguaucugc	gcguccugucucccagccugaggugcagugcugcaucucuggucaguugggagucUGAGAUGAAG CACUGUAGCUCGggaagggagaaguuguucugcagc	56 to 77
49	bta-mir-1434-5p	guacaugaugacuaaaauuucu	caccuuGUACAUGAUGACUAAAAUUUCUucacuuugaccugauggcuauugaagaaucuaaggu cugaggug	7 to 28
50	bta-mir-145	guccaguuuuccaggaauccu	caccuuuguccucacgGUCCAGUUUUCCAGGAUCCCUuagaugcuaagauggggauuccuggaa auacuguuucugaggucaugguu	16 to 38
51	bta-mir-1468	cuccguuugccuguuuugcuga	guugaagagguggguguuuuCUCGCUUUGCCUGUUUUGCUGAguuucuuuugacuuauucucagc aaaauaagcaaauggaaaauucauccaucaac	21 to 42
52	bta-mir-146a	ugagaacugaauuccauagguugu	cccaguguauccucagcuuUGAGAACUGAAUCCAUAGGUUGUgucagugucagaccugugaag uuuaguucuuuagcugggaaucucuaucuccu	21 to 44
53	bta-mir-146b	ugagaacugaauuccauaggcugu	uaagagaacuuuggccaccuggcucUGAGAACUGAAUCCAUAGGCUGUgagcucuaagcaaaugc ccuagggacucaguuucuggugcccggcugugcuaaccauc	26 to 49
54	bta-mir-147	gugugcggaaaugcuucugcua	uaugaaucuaguggaaacacuucugcacaggcuagauuauggauaccaGUGUGCGGAAUUGCUUC UGCUAcauuuuuagg	49 to 70
55	bta-mir-148a	ucagugcacuacagaacuuugu	gaggcaaaguucugagacacuccgacucugaaauaugauagaagUCAGUGCACUACAGAACUUUGU cuc	44 to 65
56	bta-mir-148b	ucagugcaucacagaacuuugu	uuagcauuugaggugaaguucuguuauacacucagggcuguggcucucugaaagUCAGUGCAUCAC AGAACUUUGUcucgaaagcuuucua	54 to 75
57	bta-mir-150	ucucccaacccuuguaccagugu	ccucucuccucacggcccugUCUCCCAACCCUUGUACCAGUGUgugucucagaccucgguaacagg uacggggaggcagggaaccugggggaaucaccagcagc	21 to 43



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76	bta-mir-185	uggagagaaaggcaguuccuga	gggggugagggacUGGAGAGAAAGGCAGUUCUGAugguccccucccaggggcuggcuuccuc cggccccuccuucc	14 to 35
77	bta-mir-186	caaagaaauuccuuuugggcu	ugcuuuaacuucCAAAGAAUUCUCUUUUGGGCUuucugauuuuuuuuaagcccaaagguga auuuuuugggaaguugagcu	15 to 36
78	bta-mir-188	caucccuugcaugguggaggggu	ugcucccucucucaCAUCCCUUGCAUGGUGGAGGGUGagcuuucugaaaaccucccacaugca ggguuugcaggauggugagcc	15 to 36
79	bta-mir-18a	uaaggugcaucuagugcagaua	uguucUAAGGUGCAUCUAGUGCAGAUAgugaaguagauuagcaucuaugcccaagugcuccuu cuggca	6 to 27
80	bta-mir-18b	uaaggugcaucuagugcaguua	cuuguguUAAGGUGCAUCUAGUGCAGUUAgugaagcagcucagaaucuaugcccaaaugcucc uucuggcaca	8 to 29
81	bta-mir-190a	ugauauguuugauauuuaggu	ugcagggccucugugUGAU AUGUUUGAUUAUUAAGGUuguuuuuuuauccaacuaauaucaaaaca uauuccuacagugucuugcc	15 to 36
82	bta-mir-190b	ugauauguuugauauuggguu	ugcuucugugUGAU AUGUUUGAUUAUUGGGUUguuuuuuuaggaaccaacuaaaugucuaacauu ucuuacagcaguag	11 to 31
83	bta-mir-191	caacggaaucccaaaagcagcug	ggcuggacagcgggCAACGGAAUCCAAAAGCAGCUGuugucuccagagcauuccagcugcgcuu ggauuucguucccugcucuccugccu	15 to 37
84	bta-mir-192	cugaccuaugaaugacagccag	agaccgagugcacagggcuCUGACCUAUGAAUUGACAGCCAGugcucuuguguccccucuggcug ccaauuccauagguacagguauguucgcccaaugccagc	20 to 42
85	bta-mir-193a-3p	aacuggccuacaaagucccagu	ugggagcugagagcugggucuuugcggggcagagaugaaggugucgguucAACUGGCCUACAAAGUC CCAGUccucggccccc	49 to 70
86	bta-mir-193a-5p	ugggucuuugcgggcgagauga	ugggagcugagagcUGGGUCUUUGCGGGCGAGAUGAaggugucgguucaacuggccuacaaaguc ccaguccucggccccc	15 to 36
87	bta-mir-193b	aacuggcccacaaagucccgcuu	guggucccagaauccgggguuuugagggcgagaugaguuuuuguuuuuuccAACUGGCCACAAAG UCCCGCUUUuggggucuu	51 to 74
88	bta-mir-194	uguaacagcaacuccaugugga	uucuuacggcgucucgauUGUAACAGCAACUCCAUGUGGACugugcguaauuuccaguggag augcuguuacuuuugauggcugccaauucacu	21 to 42
89	bta-mir-195	uagcagcacagaaauuuggca	agcuccccuggcucUAGCAGCACAGAAUAUUGGCACugggaagaagccugccaauuuggcug ugcuguccaggcaggguggug	15 to 36
90	bta-mir-196b	uagguaguuuuccuguuuggga	aacuggucggugauuUAGGUAGUUUCCUGUUGUUGGGAuccaccuuucucucgacagcacgacac ugccuucuuacuucaguuug	16 to 38
91	bta-mir-197	uucaccaccuuccaccagc	ggggcugugccggguagagagggcagugggagguaaagcucuuaccuccUUCACCACCUUCUCCA CCCAGCagggccagca	50 to 71
92	bta-mir-19a	ugugcaaaucuaugcaaaacuga	gcaguccucuguuaguuuugcauaguugcacuacaagaagaaguaguUGUGCAAUCUAUGCAA AACUGAugguggccugc	49 to 71
93	bta-mir-19b	ugugcaaaucuaugcaaaacuga	cacuguucauugguuaguuuugcagguuugcauccagcugugauuuucugcUGUGCAAUCCA UGCAAACUGACugugguagug	54 to 76
94	bta-mir-200c	uaauacugccggguuauugaugga	cgucuuaccagcaguguuugggucugguugggagucucUAAUACUGCCGGGUAAUGAUGGAgg	41 to 63

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
95	bta-mir-205	uccuucuuuccaccggagucug	cucuugUCCUUCAUUCCACCGGAGUCUGucucguacccaaccagauuucaguggagugaaguuca ggag	7 to 28
96	bta-mir-206	uggaauguaaggaagugugugg	ugcuucccaaggccacaugcuucuuuaauucccauacggauuacuuugcuaUGGAAUGUAAGGA AGUGUGUGGuuucggcgagcg	53 to 74
97	bta-mir-20a	uaaagugcuuauagugcagguag	guagcacUAAAGUGCUUAUAGUGCAGGUAGuguuuaguuauucucugcauuuagagcacuuuaag uacugc	8 to 30
98	bta-mir-20b	caaagugcucacagugcaggua	aguacCAAAGUGCUCACAGUGCAGGUAGuuuuggcagcgcucucugugaguggggcacuuccag uacu	6 to 27
99	bta-mir-210	acugugcgugugacagcgggcuga	ccuccagggcagggcagccacugcccaccgcacacugcgcugcuccggaccACUGUGCGUGUG ACAGCGGCUGAucugucccuggggcagcgcgacc	54 to 76
100	bta-mir-211	uucccuuugucauccuugcc	uccccuggcugugugaccugugggcUUCUUUGUCAUCCUUUGCCcaggguuucugaguggggca gggacagcaaaggggugcucagucgucaccuccacagcauggag	26 to 46
101	bta-mir-21-3p	aacagcagucgaugggcugucu	ugucggguagcuuauacagacugauguugacuguuuagaaucucauggcAACAGCAGUCGAUGGGCUG UCUgaca	47 to 68
102	bta-mir-215	augaccuaugaauugacagaca	uguacaggaaaAUGACCUAUGAAUUGACAGACAacgugacuaagucugucugucauuucuguaagg ccaauugucugua	12 to 33
103	bta-mir-21-5p	uagcuuauacagacugauguugacu	ugucgggUAGCUUAUCAGACUGAUGUUGACUguuuaucucauggcaacagcagucgaugggcug ucugaca	8 to 31
104	bta-mir-221	agcuacauugucugcuggguuu	ccaacauccaggucuaagggaugaaccuggcauacaauagauuuucuguguuuugagcaacA GCUACAUUGUCUGCGGGUUUcaggcuaccuggaaacacguucuu	65 to 86
105	bta-mir-222	agcuacaucuggcuacugggu	gcugcuggaauguguagguaccuccaauggcucaguagccaguguagaucugucuuuuuguaa aguAGCUACAUCUGGCUACUGGGUCucugauggcaucuucuccu	69 to 89
106	bta-mir-223	ugucaguuuugucaaaauacccca	cccagccuccugcagugccaugcuccguguauuugacaagcugaguuggacacuccaaguaguag UGUCAGUUUGUCAAAUACCCCAaguguggcauauugccuagcag	66 to 87
107	bta-mir-22-3p	aagcugccagugaagaacug	ggcugagccgcagugaucuuucaguggcaagcuuuauuguccgaccaccagcuaAAGCUGCCAGUUG AAGAACUGuugcccucugcc	53 to 73
108	bta-mir-22-5p	aguucucaguggcaagcuua	ggcugagccgcaguAGUUCUUCAGUGGCAAGCUUUAuguccgaccaccagcuaaaagcugccaguug aagaacugugcccucugcc	15 to 36
109	bta-mir-2284b	aaaaguucguuugguuuuuuc	uuggcugAAAAGUUCGUUUGGUUUUUUCcacaagauguuagagaagaaccugauugaacuuuu ggcca	8 to 28
110	bta-mir-2284j	gaaaaguucguucagguuuu	guugguggggccGAAAAGUUCGUUCAGGUUUUcCaaguuaacagaauaaccagacaaaacuguuugg ccagcccaau	12 to 31
111	bta-mir-2284t-3p	aaacucgaaugaauuuuuggc	guuggccgaaacauucacucggguuuuuuccauagcaucuuacagaaAAACUCGAAUGAAUGUUU UGGCcaac	48 to 69
112	bta-mir-2284w	aagaguuuugucggguuucuc	uuucauuuuuuggguuggccAAGAGUUUGUUCGGGUUUUCcCaaagcuguaauagaaaaaccuca augaacucuuuggccaacccauuuuuugcu	21 to 41

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113	bta-mir-2284x	ugaaaaguucguucggguuuu	ggauuuaguauuggguuggcUGAAAAGUUCGUUCGGGUUUUuccauaagaacucaaaauaacuuu uuggccaaccaguaauaacacugaucacc	21 to 41
114	bta-mir-2284y	aaaaguucguucggguuuuuc	aauaacccuguaaagggcugcagaaacuugcuugaucuaauuggguuggccaAAAAGUUCGUUCGG GUUUUUCcuuaguccaaacuaaguuuuuggccaacccaauacaucugugggcuucc	52 to 72
115	bta-mir-2285aa	aaaacuggaacgaacuuuugggc	caaaaaguucguccagauuuuuccauaagauguuacagaAAACUGGAACGAACUUUUGGGC	40 to 62
116	bta-mir-2285ad	aaaacccaaaugaacuuuuugg	aaaaguucguuucaguuuuuccauaacauuuuacagAAACCCAAAUGAACUUUUUGG	37 to 58
117	bta-mir-2285c	aaaccugaacaaacuuuuuggc	gccgaaaaguucguugaaguuuuuccauggggugucacggaagAAACCUGAACAAACUUUUUGGC	44 to 65
118	bta-mir-2285e	aaaccugaacgaacuuuuuggc	gccaaaaguucguucggauuucucuguaagcugguguggauAAACCUGAACGAACUUUUUGGC	43 to 64
119	bta-mir-2285f	aaaaccugaaugaacuuuuugg	uuggccaaaaaguucauuugaguuuuuccugcacuaucuuuauuggaAAAACCUGAAUGAACUUUUUG Gguaa	45 to 66
120	bta-mir-2285j	aaaaaccagaacgaacuuuuug	auuggucaaaaauuuguuuggguuuuuccaguugauguugAAAAACCAGAACGAACUUUUUGgcc aacc	41 to 62
121	bta-mir-2285k	aaaaccggaugaacuuuuug	augggcaaaaaguucguuggauuuuucugugagauuuuauugggAAAACCGAAUGAACUUUUUG acuga	45 to 65
122	bta-mir-2285n	aaaaacccgaugaacuuuuugg	cacuggguuagccaaaaaguucguccggguguuuccauaagauguuacggAAAAACCGAAUGAA CUUUUGGccaaccagau	51 to 72
123	bta-mir-2285o	aaacccgaacgaacuuuuugg	auaggauuggccaaagaguucauuuggguuuuucugugagcuguaaacaAAAACCGAACGAA CUUUUGGcugacucaau	53 to 72
124	bta-mir-2285p	aaaaacuugagugaacuuuuugg	acuggguuggccaaauuguucauuuggguuuuuccguaacaucuuauuggAAAAACUUGAGUGAAC UUUUGGGucagcccag	50 to 71
125	bta-mir-2285u	gaaaaacccgaacgaacuuu	ggaguauugcuggcguuggccaaaauguucauuuccauuuuucuguaccaucuuacaGAAAAACCC GAACGAACUUUuuggcuaacccaauaguaaaauacc	57 to 76
126	bta-mir-2285x	gaaaaaucugaaugaacuuuuugg	uauauuggguuggccaaaaaguucaggguuuuucuaagauguuacgGAAAAUCUGAAUGA ACUUUUGGccaaccuaauua	51 to 73
127	bta-mir-2285y	aaaacccaaacaaacuuuuuu	uguugaguuggccaaaaaguucguuggauuucucuguaauaucuuacggaAAAAACCAACAAA CUUUUUUGaacaacccaua	52 to 72
128	bta-mir-2285z	ccagaaaguucauucagguccu	uaauuuuuuuuuguguggCCAGAAAGUUCAUUCAGGUCCUuccuaacaucuuacagaaaaccug aaugaacuuuuuggccaacaacauuuuuuug	19 to 40
129	bta-mir-2312	aaaaccugaacgaacuuuuc	uugggcuggccaaacaguuugucuggguuuuucuguaacuuggAAAAACUGAACGAACUUUUCgg cccacca	44 to 63
130	bta-mir-2313-5p	agugcagcugaggaccaaggca	gggcuggAGUGCAGCUGAGGACCAAGGCAGggcugcaugcauucacaugccaguuccacgcugca ugccggccu	8 to 29
131	bta-mir-2317	cucugugaugacaauaccugaua	aguucUCUGUGAUGACAAUACCUGAUAgagguacugauaccucuaucuuaccugauaccugauag agauacu	5 to 27

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
132	bta-mir-2318	guguauaugaauuucugacc	ugucaggaacccccGUGUAUGAUGAAUAUCUGACCcggccguugccucucauguaacgcuucuca ugggcucacugca	14 to 35
133	bta-mir-2331-3p	accucgagccaaagaagcua	ggguggcuuccgugccugcagaugucugugaaauccucaaggcugagACCCUGCAGCCAAAGAAG CUAccc	48 to 68
134	bta-mir-2331-5p	ggcuuccgugccugcagaugucu	ggguGGCUUCCGUGCCUGCAGAUGUCUgugaaauccucaaggcugagaccucgagccaaagaag cuacc	5 to 27
135	bta-mir-2335	agauaaugaugacuaacugaau	guAGAUAUGAUGACUAACUGAAUugaugacuugggcaugguuaguaaucaguuucaugauuu cuau	3 to 24
136	bta-mir-2340	ggacuucccugggugucuugug	acaacuccaaggauacgaggcaagguaagaucagagugaugagaGGACUUCUCCUGGUGUCUUGU Gcagggugugu	45 to 66
137	bta-mir-2355-3p	auuguccuugcuguuuggagau	gucaucccagaucaauaggacaauaugcuguuauuuuguguggcAUUGUCCUUGCUGUUUGGA GAUaaucugcugac	47 to 68
138	bta-mir-2383	cugagugaugacugcugacc	ggcggugagcuaagguggggucaugggccaaggccaguggcugagCUGAGUGAUGACUGCUGAC Cuacaccgucu	47 to 66
139	bta-mir-23a	aucacauugccagggauuucca	ggccggcuggggguuccugggggaugggaaauugcugccugucacaaAUCACAUUGCCAGGGAUUUC Aaccgacc	45 to 66
140	bta-mir-23b-3p	aucacauugccagggauuaccac	ggguuccuggcaugcugauuuugagcuuaagaauaaaAUCACAUUGCCAGGGAUUACCAC	38 to 60
141	bta-mir-24	gugccuacugagcugauaucagu	cuccgGUGCCUACUGAGCUGAUUCAGUucucuauuuuacacacuggcucaguucagcaggaacag gag	6 to 28
142	bta-mir-2411-3p	gcugaacugucuuaucuccacaucc	gagggaauguggagugacugucagauagcagccagcagaauaagugguuugGCUGAACUGUCUUA UCCCAUCCuc	51 to 75
143	bta-mir-2419-3p	caggcgggugcuaauacgauca	ccucuaugaucgcaucaacacucgucuguucuaaaauaacauugagaaCAGGCGGGUGCUAAUAC GAUCAuagagg	49 to 70
144	bta-mir-2419-5p	aucgcaucaacacucgucuguu	ccucuaugAUCGCAUCAACACUCGUCUGUucuaaaauaacauugagaaacaggcgggugcuaauac gaucuaagagg	9 to 30
145	bta-mir-2427	aggucuuucaaagagggcug	caauuuuauacAGGUCAUUUCAAGAGGGCUGaugggaccaaauccaggggcuuauacuguga caaagauug	11 to 31
146	bta-mir-2435	aaacucgaugaacucuuggc	ggaAAACUCGAAUGAACUCUUUGGCugacucaguauuuuguuagcaucagagagucaucagcau guucc	4 to 25
147	bta-mir-24-3p	uggcucaguucagcaggaacag	cucugccuccgugccuacugagcugaaacacaguugauuuugucacacUGGCUCAGUUCAGCAG GAACAGg	50 to 71
148	bta-mir-2440	ugcagugaugagaccugga	uccagcugugguggggacuguuuggugcgggguggggccagcugUGCAGUGAUGAGACCCUGGAa ugagcguggg	45 to 64
149	bta-mir-2468	auaggaacauggaagauuguca	gauuggcAUAGGAACAUGGAAGAUUGUCAgucaucaucuauuuucgccaauuuuccauguuccug ugccaguc	8 to 29
150	bta-mir-2478	guaucccacuucugacacca	guugggggucggugugagcaagcagagacuacauagguugccuuGUAUCCACUUCUGACACCA uguauugucaac	46 to 65



SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
170	bta-mir-301b	cagugcaaugauauugucaaagcau	uccugcuggccgcaggugcucugacgagguugcacuacugugcuuugaggagCAGUGCAAUGAUA UUGUCAAAAGCAUccgggaccagccuuggag	53 to 77
171	bta-mir-30a-5p	uguaaacauccucgacuggaagcu	cUGUAAACAUCCUCGACUGGAAGCUgugaggcugcagaaaggcuucagucggauguuugcagcu gc	2 to 25
172	bta-mir-30b-5p	uguaaacauccuacacucagcu	ccaaguuuucaguucaUGUAAACAUCCUACACUCAGCUguaacacacgagucggcugggaggugg auguuuacuucagcugacuugga	17 to 38
173	bta-mir-30c	uguaaacauccuacacucucagc	cagacuguaaccaugccguagugUGUAAACAUCCUACACUCUCAGCugugagcucgagguggc ugggagagggguuguuuacuccuucugccauggaaaacguc	26 to 48
174	bta-mir-30d	uguaaacaucggcaguggaagcu	guuguUGUAAACAUCCCGACUGGAAGCUguaccacacagcuaagcuuucagucagauguuugcu gcuac	6 to 29
175	bta-mir-30e-5p	uguaaacauccuugacuggaagcu	gggagucuuugcuacUGUAAACAUCCUUGACUGGAAGCUguaaggcguugcaaggagcuuucag ucggauguuuacagcggcaggcugcca	17 to 40
176	bta-mir-30f	uguaaacacccuacacucucagcu	gagggccagauacUGUAAACACCCUACACUCUCAGCUgugcagagagaaagcugggagaaggc uguuuacucucucugccuu	14 to 37
177	bta-mir-31	aggcaagaugcuggcagcuagcu	uccuguaacuuggaacuggagaggAGGCAAGAUGCUGGCAUAGCUguugaacugcgaaccugcua ugccaacauauugccaucucucuuugccg	25 to 45
178	bta-mir-3141	gagggcggguggaggagg	ccgccccgucuccaccccgcccccgaggccgugaguggcggcagcggccccaggaccggguu uccucagacaaGAGGGCGGGUGGAGGAGGAagcgg	77 to 36
179	bta-mir-32	uauugcacaugacuagaugcau	ggaggUAUUGCACAUGACUAAGUUGCAUguugucacggccucagugcauuuaguaugugugua uuuuc	6 to 28
180	bta-mir-320a	aaaagcuggguugagagggcgga	cccggcggcugcucgucucccuccgcccucucuuuccggguucuuuccgggagucgggAAAAGCUGGG UUGAGAGGGCGAaaaag	56 to 77
181	bta-mir-324	cgcauccccuagggcaguggugu	aacuggcuaugccuccCGCAUCCCCUAGGGCAUUGGUGUaaagcugggagaccacugccccagg ugcugcuggggguuguagucugac	18 to 40
182	bta-mir-326	ccucuggggccuuccuccag	cucgucugucuguuuggcuggaggcagggccuuugugaaggcggguugugcucagaucgCCUCUG GGCCCUUCCUCCAGccagaggcggauuca	60 to 79
183	bta-mir-328	cuggccucucugcccuuccgu	cuguuuccggagccuggagcggggggcaggaggggucaggggagauagugugcugcccCUGGC CCUCUCUGCCCUUCCGUccccuguucc	61 to 82
184	bta-mir-330	gcaaagcacacggccugcagaga	cuucggcgauacugccucucugggcccugugucuuaggcucugcaagaucaaccgaGCAAAGCAC ACGGCCUGCAGAGAggcagcgcucagcuc	57 to 79
185	bta-mir-331-3p	gccccuggggccuauccuagaa	gaguuuugguuuuuguuuggguuuugcuagguaugguuccagggauccagaucaaaaccagGCCCC UGGGCCUAUCCUAGAAccaaccuaa	61 to 81
186	bta-mir-331-5p	ucuagguauugguuccagg	gaguuuugguuuuuguuuggguuuuUCUAGGUUAGGUUCCAGGgauccagaucaaaaccaggcccc uggggccuauccuagaaccaaccuaa	25 to 42
187	bta-mir-335	ucaagagcaauaacgaaaaaugu	uuuugggggggggUCAAGAGCAAUAACGAAAAAUGUuugucauaaacguuuuuauuuuugcuc cugaccuccucucauuugcuguaucu	14 to 36
188	bta-mir-338	uccagcaucagugauuuuguuga	gcacggggccgucuccccaacaauuuccuggugcugagugaugacacacgcaacUCCAGCAUCAG UGAUUUUGUUGAagagggcagcugcca	55 to 77

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
189	bta-mir-339a	ucccuguccuccaggagcucac	ggggcagccgcugUCCUGUCCUCCAGGAGCUCACuugguccggccgugcgcuccucgaggccag agcccgugucugc	14 to 35
190	bta-mir-33a	gugcauuguaguugcauugca	cugcgGUGCAUUGUAGUUGCAUUGCAuguucuggcgguaaccgugcaauguuuccacagugcauc acag	6 to 26
191	bta-mir-33b	gugcauugcuguugcauugc	gcgggcgcccccgGUGCAUUGCUUUGCAUUGCAugugugaggcaggugcagugccucggcag ugcagcccggagccggccccuggcaccgc	16 to 35
192	bta-mir-340	uccgucucaguuacuuuauagcc	uuguaccuggugauuuuuuuagcaaugagacugauugucaugugucguuuuguggaUCCGUCUC AGUUACUUUAUAGCCauaccugguauucua	58 to 80
193	bta-mir-342	ucucacacagaaaucgcaccccaucu	uggaagcgggugcgaggcgaggggugcuaucugugguagggacacggcaaaugaaacugUCUCA CACAGAAAUCGCACCCAUCUccucggccc	61 to 85
194	bta-mir-343l	ccucagucagccuuguggaugu	auacccaaugaauugcaaaaCCUCAGUCAGCCUUGGGAUGUauguucugcagaccugacaucua gaggacugacugaaaauuucacuuucagcuaa	21 to 42
195	bta-mir-345-3p	ccugaacuaggggucuggag	accctaaaccaggucugcugacuccuaguccagugcuugugauggcugguggccCUGAACUAGG GGUCUGGAGgccuggguuugaauauc	55 to 74
196	bta-mir-345-5p	gcugacuccuaguccagugcu	accctaaaccaggucUGCUGACUCCUAGUCCAGUGCUugugauggcugguggcccugaacuagg ggucuggaggccuggguuugaauauc	17 to 37
197	bta-mir-34a	uggcagugucuuagcugguugu	ggccagcugugaguguuuuuUGGCAGUGUCUAGCUGGUUGUugugaguaauaaugcaggaagc aacagcaaguaucugcccuagaagugcugcacguuguggg	22 to 43
198	bta-mir-34b	aggcaguguaauuagcugauug	gugcucggguuuguAGGCAGUGUAAUAGCUGAUUGuacucucaugcuuacaaucacuaguuccac ugccaucaaaaacaaggcac	14 to 35
199	bta-mir-34c	aggcaguguaguagcugauug	agucuauguuacuAGGCAGUGUAGUAGCUGAUUGcuaauaaauaccauacuaaccacacggcca gguaaaaagauu	13 to 34
200	bta-mir-3601	ucucgugacaugaugaucucccgga	cccagaccuuucaguuaucaaucugucacaagugcacagugguaUCUCGUGACAUGAUGAUCCCC GAgaugucugagg	45 to 67
201	bta-mir-361	uuaucagaaucuccagggguac	ggagcUUAUCAGAAUCUCCAGGGGUACuuauaaauugaaaaagucccccaggugugauucugauu ugcuuc	6 to 27
202	bta-mir-362-3p	aacacaccuauucaaggauuc	cucgaauccuuggaaccuaggugugagugcuguucuaugugcAACACACCUAUUCAAGGAUUCaaa	42 to 62
203	bta-mir-362-5p	aauccuuggaaccuaggugugagu	cucgAAUCCUUGGAACCUAGGUGUGAGUgcuguucuaugugcaacacaccuauucaaggauucuaa	5 to 28
204	bta-mir-363	auugcacgguaucacucugcg	uguugucggguggaucacgaugcauuuuugauuaguauaaaggagaaaaAUUGCACGGUAUCCA UCUGCGaac	51 to 71
205	bta-mir-365-3p	uaaugccccuaaaaaucuuau	agagugcucgaggacagcaagaaaaagagggacuuucagggcagcuguguuucugacucagu caUAAUGCCCCUAAAAUCCUUAUguuucugcagugugcaucagg	68 to 89
206	bta-mir-369-3p	aaauuacaugguugaucuuu	ugaaggagagaucgaccguguuauuuucguuuuauugacuucgAAUAAUACAUGGUUGAUCUUuc ucag	43 to 63
207	bta-mir-374a	uuauaaucacaccugauaagug	uacaucggccaUUAUAAUACAACCUGAUAAAGUGuacagcacuuucagguuguauuguaauugu cugugua	12 to 33



SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
227	bta-mir-423-3p	aagcucggucugaggccccucagu	auaaaggaaguuaggcugagggggcagagagcgagacuuuuuuauuuuccaaAAGCUCGGUCUGAG GCCCCUCAGUCuugcuuccuaccccgcgc	52 to 75
228	bta-mir-423-5p	ugaggggcagagagcgagacuuu	auaaaggaaguuaggcUGAGGGGCAGAGAGCGAGACUUUucuauuuuccaaaagcucggucugag gccccucagucuuugcuuccuaccccgcgc	17 to 39
229	bta-mir-424-3p	caaaacgugaggcgcugcuau	ucguugacuccgaggggaugcagcagcaauucauuugaagugcuuuuaacgguuCAAACCGU GAGGCGCUGCUAUaccccccugcgaggaagu	58 to 78
230	bta-mir-424-5p	cagcagcaauucauuuuuga	ucguugacuccgaggggaugCAGCAGCAAUUCAGUUUUGAagugcuuuuaacgguucaaaacgu gagcgugcuauaccccccugcgaggaagu	21 to 41
231	bta-mir-425-3p	aucgggaaugucguguccgccc	gaaagcgcuuuggaauagacacgaucacucccgguagugggcacccaagaagccAUCGGGAAUGU CGUGUCCGCCCagugcucuuc	55 to 76
232	bta-mir-425-5p	augacacgaucacucccgguuga	gaaagcgcuuuggaAUGACACGAUCACUCCCGUUGAagugggcacccaagaagccaucgggaaugu cguguccgcccagugcucuuc	15 to 36
233	bta-mir-4286	acccacuccugguacc	ggccuacACCCACUCCUGGUACCagcugcuugggcccccccugggcacaugccucugagaugg agggauuuauug	8 to 24
234	bta-mir-449a	uggcaguguaauuguagcuggu	ugugugauggguUGGCAGUGUAUUGUUAGCUGGUugaauaugugagugccaucagcuaacaugca acugcuaucuuauugcauguaua	13 to 34
235	bta-mir-451	aaaccguuaccuuacugaguuu	cuugggguggcgaggAAACCGUUACCAUUACUGAGUUUaguaauugguaacgguucucuugcugca cccaga	16 to 38
236	bta-mir-454	uagugcaauauugcuuauagggg	cuguuuuuuaccagauccuagaaccuaucauauugucucugcuguguaaaugcucugagUAG UGCAAUAUUGCUUAUAGGGUuuuggguguuugggaagaacaauugggcaug	63 to 85
237	bta-mir-455-3p	gcaguccaugggcauuacacu	ucccuggcgugaggguauuguccuuuggacuacaucguggaagccagcaccauGCAGUCCAUGGG CAUAUACACUugccucaaggccua	54 to 75
238	bta-mir-455-5p	uauuguccuuuggacuacauc	ucccuggcgugaggguAUGUGCCUUUGGACUACAUCguggaagccagcaccaugcaguccauggg cauuacacuugccucaaggccua	16 to 36
239	bta-mir-484	ucaggcucagucccccuccgau	gUCAGGCUCAGUCCCCUCCGAUaaaccucuaaaauagggaccuucccggggggcuaccucggc	2 to 23
240	bta-mir-485	agaggcuggccgugaugaauucg	acuugaagAGAGGCUGGCCGUGAUGAAUUCGauucaucaaagcgagucuaacagggcucuccucu cuuuuagu	9 to 31
241	bta-mir-486	uccguuacugagcugccccgag	gccagcuuggaccugcuguccuccugacgggUCCUGUACUGAGCUGCCCCGAGgcccuucgcugu gcccagcucgggucagcucaguaccgggcgugcggggugggagucggccggaagcagg	32 to 53
242	bta-mir-487b	aaucguacagggucauccacuu	uugguacuuggagagugguuauccuguccuguuucguuuuacucaugucgAAUCGUACAGGGUCA UCCACUUuuucaguuauca	51 to 72
243	bta-mir-491	aguggggaaccuuuccaugagg	uugacuauagcuggguAGUGGGGAACCCUCCAUGAGGagugaagaacacuccuuauugcaagaauccc uucuaaccugacuggguugg	16 to 37
244	bta-mir-493	ugaaggucuaucuguguccagg	cuggccccaggggccuuguacaugguaggcuuucauucauucguuugcacauucggUGAAGGUCU ACUGUGGCCAGGcccuguccag	57 to 78

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
245	bta-mir-494	ugaaacauacacgggaaaccuc	ucgauacuugaaggagagguuauccguguugucucucuuuuuuugaUGAAACAUAACACGGGA AACCCUuuuuuuaguaucaa	50 to 71
246	bta-mir-495	aaacaaacauggugcacuucuu	uggugccuggaaagaaguugcccauguucuuuucgcugauaugugacgAAACAAACAUGGUGCAC UUCUUuuccggcauca	49 to 70
247	bta-mir-496	ugaguauuacauggccaauuc	ccgagucggguacucgaauggagguuguccaugguguguucauuuuuuuuugaUGAGUAUUACA UGGCCAAUCUCcuuucaguacuaaaucuuucauggg	55 to 76
248	bta-mir-497	cagcagcacacugugguuugua	ccacccaguccugcucccgcccCAGCAGCACACUGUGGUUUUGUAcggcacuguggccacgucca aacacacugugguguuagagcgagggugggggaggaccgcugagg	24 to 45
249	bta-mir-499	uuaagacuugcagugauguuu	ggcgggggcgUUAAAGACUUGCAGUGAUGUUUaacuccucuccacgugaacacacagcaagu cugugcugcuucccguccccacgcugccugggagggg	14 to 34
250	bta-mir-500	uaauccuugcuaccugggugaga	gcucccccucucUAAUCCUUGCACUCCUGGGUGAGAgugcuuucugaaugcaaugcaccugggcaa ggauucugagagagggagc	13 to 35
251	bta-mir-502a	aaugcaccugggcaaggauuca	ugcccccccucuaaauccuugcucucugggugcuagugcugucuccaugcAAUGCACCUGGGCAA GGAUUCAGagaggggugggcu	51 to 72
252	bta-mir-503-3p	ggaguauuguuucugcugcccgg	agccgugcccuagcagcggggaacaguacugcagugggcaauuggugaucuGGAGUAUUGUUUCUG CUGCCCGGgaagacugg	51 to 73
253	bta-mir-503-5p	uagcagcggggaacaguacug	agccgugcccUAGCAGCGGGAACAGUACUGcagugggcaauuggugaucuggaguuuuguuucug cugcccggggaagacugg	11 to 30
254	bta-mir-505	cgucaacacuugcugguuuccu	aaauugaugcaccagugggggagccaggaaguauugauguuucuaaccaguuuagCGUCAACACU UGCUGGUUUCCUcucuggagcguca	56 to 77
255	bta-mir-532	caugccuugaguguaggaccgu	gacuugcuuucucucuaCAUGCCUUGAGUGUAGGACCGUuggcaucuaauuaccucccacac ccaaggcuugcaggagagcca	19 to 40
256	bta-mir-545-5p	ucaguaaauguuuauuggaug	cccagccuggcacauucguaggccUCAGUAAAUGUUUAUUGGAUGaaauaaugaauggcucauca acaaacauuuuauugugugccugcuaaacgugaucuccacagg	25 to 45
257	bta-mir-574	ugagugugugugugagugugug	uucuuugagcuuacuucccagucucgaauccgugUGAGUGUGUGUGUGUGAGUGUGUGugagag ug	36 to 59
258	bta-mir-582	uuacaguuguucaaccaguuacu	aucguuucuuuggUUACAGUUGUUAACCAGUUAACUaaucuaaccuaauuguaaccaguuuagc aacugaacccaaaggugcuaaagugaaaacauu	16 to 38
259	bta-mir-6119-3p	gcaaaucuuuuuuacucuccaa	auuuugagagguaaaaauugauuugacuaguucuuuaacacacuaGCAAAUCAUUUUUACUC UCCAAaagaac	48 to 70
260	bta-mir-6119-5p	agagguaaaaauugauuugacu	auuuugAGAGGUAAAAAUUGAUUUUGACUaguucuuuaacacacuaagcaaaucuuuuuuacuc uccaaaagaac	7 to 29
261	bta-mir-6123	ugccaagcccacguucaagg	agccugcUGCCAAGCCACGUUCAAGGcuguuucuucaaguuauuggugcccgccuugagcug ggaaggaagcgggag	8 to 28
262	bta-mir-628	augcugacauuuuacuagagg	auagcuguugugucacuuccucAUGCUGACAUAUUUACUAGAGGguaaaauuuuuuaccuucuaug uaagagugggcagucgaagggagggcucuu	23 to 44
263	bta-mir-6516	uuugcaguaacaggugugaac	UUUGCAGUAACAGGUGUGAACauucuaagcagcaguuuugaugaucauguaugauacugcaaac	1 to 21

SN	microRNA	Mature miRNA Seq (5'-3')	PremicroRNA Sequence (5'-3')	Position
264	bta-mir-6517	ucaggguccgugagcuccucggc	ccgcggguucUCAGGGUCCGUGAGCUCCUCGGCguacucggagaacauucgccggaacuccggguccuggaagggcgga	11 to 33
265	bta-mir-652	aauggcgccacuaggguuugug	acgaauggcuauugcacugcacaaccuagggagggugccauucacauagacuagaauugAAUGGCGCCACUAGGGUUGUGcagugcacaaccuacac	61 to 81
266	bta-mir-6520	uugaguauugucagagagagc	guccucuccUUGAGUAUUGUCAGAGAGAGCGauucugugcccaccucugagucgucucuccgccugacuacagccagcagcgcc	11 to 31
267	bta-mir-6524	uuacucugaguaaccuaacug	aacaaggacaccaguuaggccacucagaguuaacuaucaguaaacuaacuggUACUCUGAGUAACCUAACUGguaucuuugu	51 to 71
268	bta-mir-6529a	gagagaucagaggcgagagu	cuguucucuuGAGAGAUAGAGGCGCAGAGUgcgucaaugucaaugaagccuguccuuuuaccucuuuaagagcgcac	11 to 31
269	bta-mir-6531	uagacuuggugacuugagaga	uaccuacuucUAGACUUGGUGUACUUGAGAGAcaguguuuuuuugcuccuuuuuuauacuugcuauugucuggacguggcaa	11 to 33
270	bta-mir-660	uacccauugcauucggagcug	cugcuccuucucccgUACCCAUUGCAUAUCGGAGCUGugaaauucuaaagcaccuccuaugugcauggauuacaggagg	16 to 37
271	bta-mir-664b	uauucauuuauccccagccuac	caggcuaggagaaaugauuggauagaaaauuuuauucUAUUCAUUUAUCUCCCAGCCUAC	38 to 60
272	bta-mir-671	aggaagcccuggaggggcuggag	gccgccgaccuggcaggccaggaagaggAGGAAGCCUGGAGGGGCUGGAGgugauggauguuuuccuccggguucucagggcuccaccuuuuccgggcccuggagccagggcuggugc	29 to 51
273	bta-mir-677	cucacugaugagcagcuucugac	CUCACUGAUGAGCAGCUUCUGACuuucguucucugaguuuugcugaagccagaugccauuucugag	1 to 23
274	bta-mir-7	uggaagacuagugauuuuguuguu	guggagcagccagcccuaucUGGAAGACUAGUGAUUUUGUUGUgucuccugcgcucaacaacaa guccagucugccgauggugcuggccaccgca	21 to 44
275	bta-mir-744	ugcggggcuagggcuaacagca	gguuugggggggUGCGGGGCUAGGGCUAACAGCAggcucacugacgguuucccgaaaccacgca caugcuguugccacuaccucaaccuuacucgguc	13 to 34
276	bta-mir-760-3p	cggcucugggucuguggga	ggaggaugcugcagcguggggcgcgucgccccccucaguccaccagagcccggauaccuuagaaa uuCGGCUCUGGGUCUGUGGGGAgcgaauugcaaccacaaacuccauuuugccg	68 to 87
277	bta-mir-769	ugagaccuccggguucugagcu	gacuuggugcugauuccggcgccucugaccUGAGACCUCGGGUUCUGAGCugugauguugcuuccagcuggggaucucuggggucucggguucagggucgggaccucuggguucugagc	31 to 52
278	bta-mir-7859	aaaaacuggcagcucauguaa	augugaaaauaccaguuuuugucugcuuugaccuacAAAAACUGGCAGCUUCAUGUAA	37 to 58
279	bta-mir-877	guagaggagauggcgaggg	gcucgagaagGUAGAGGAGAUGGCGCAGGGgacacggggcuagacugggggucuccgggaccccc caacauguguccucucuccuccuccagguguaag	11 to 30
280	bta-mir-92a	uauugcacuuguccggccugu	cuuuuacacagguuggggaucgguuugcaaugcuguguuuucuguauggUAUUGCACUUGUCCCGGC CUGUugaguuuug	48 to 69
281	bta-mir-92b	uauugcacucguccggccucc	cggggccccggggcggggagggagcgggacgggugcaguguuuuucuuucccugccaaUAUUGCACUCGUCCCGGCCUCcggcccccccgggccc	61 to 82

