Table B.2.1: miRNA gene annotations in *C. elegans*.

		5' arm			3' arm			
Nr	ID	Sequence	Seed (2-8)	Seed conservation profile*	Sequence	Seed (2-8)	Seed conservation profile*	Precursor
1	cel-let-7	UGAGGUAGUAGGUUGUAUAGUU	GAGGUAG	+ / + / + / +	UGAACUAUGCAAUUUUCUACCUUAC	GAACUAU	+ / - / - / +	UACACUGUGGAUCCGGUGAGGUAGUAGGUUGUAUAGUUUGGAAUAUUACCACCGGUGAACUAUGCAAUUUUCUACCUUACCGGAGACAGAACUCUUCGA
2	cel-lin-4	UCCCUGAGACCUCAAGUGUGA	CCCUGAG	+ / + / + / +	ACACCUGGGCUCUCCGGGUAC	CACCUGG	- / - / - / -	AUGCUUCCGGCCUGUUCCCUGAGACCUCAAGUGUGAGUGUACUAUUGAUGCUUCACACCUGGGCUCUCCGGGUACCAGGACGGUUUGAGCAGAU
3	cel-lsy-6	AAAUGCGUCUAGUAUCAAAA	AAUGCGU	- / - / - / -	UUUUGUAUGAGACGCAUUUCG	UUUGUAU	+ / + / - / -	CCAUCAAAUGCGUCUAGUAUCAAAAUCAUGUAAAAACUGUAAAACAGAUUUUGUAUGAGACGCAUUUCGAUGA
4	cel-mir-1	CAUACUUCCUUACAUGCCCAUA	AUACUUC	+ / - / - / +	UGGAAUGUAAAGAAGUAUGUA	GGAAUGU	+ / + / + / +	AAAGUGACCGUACCGAGCUGCAUACUUCCUUACAUGCCCAUACUAUAUCAUAAAUGGAUAUGGAAUGUAAAGAAGUAUGUAGAACGGGGUGGUAGU
5	cel-mir-1018	GUAAGUUCAUGAUUUCUCCCA	UAAGUUC	- / - / - / -	AGAGAGAUCAUUGGACUUACAG	GAGAGAU	- / - / - / +	GUAAGUUCAUGAUUUCUCCCAUAUAUUUUUCAUGAGAGAGAUCAUUGGACUUACAG
6	cel-mir-1019	GUGAGCAUUGUUCGAGUUUCAUUUU	UGAGCAU	- / + / - / -	CUGUAAUUCCACAUUGCUUUCCAG	UGUAAUU	- / + / - / -	GUGAGCAUUGUUCGAGUUUCAUUUUUAAUAAAAUUUAUUUAAAAACUGUAAUUCCACAUUGCUUUCCAG
7	cel-mir-1020	GUAAGUGUUACAGAAUAAUCU	UAAGUGU	- / + / - / +	AUUAUUCUGUGACACUUUCAG	UUAUUCU	- / - / - / -	GUAAGUGUUACAGAAUAAUCUUAGACAAAACAACUAAAAUUAAUGAAAAAUUAUUCUGUGACACUUUCAG
8	cel-mir-1021	AAGUGAGAUCAUGUGAAAUCCUCGG	AGUGAGA	- / - / - / -	-	-	-	UACUGUUUUGAAACAAGUGAGAUCAUGUGAAAUCCUCGGAGCUCGGAGCUUGGAUUUUCCAAAUAUUCAUAUUAAAUUAUUUGUUUCAAACAGUA
9	cel-mir-1022	AAGAUCAUUGUUAGGACGCCAUC	AGAUCAU	- / - / + / +	AUGAUAGUCCAAUGAUGAUCCAGC	UGAUAGU	- / - / - / -	GGUCCAAAAUCGGCAAGAUCAUUGUUAGGACGCCAUCUUGAAGCAAUAUAAAGAUGAUAGUCCAAUGAUGAUCCAGCUGUUCAAGGCU
10	cel-mir-124	GCAUGCACCCUAGUGACUUUAGU	CAUGCAC	- / - / - / +	UAAGGCACGCGGUGAAUGCCA	AAGGCAC	+ / + / + / +	GUCCCACUUGUCAUCUGGCAUGCACCCUAGUGACUUUAGUGGACAUCUAAGUCUUCCAACUAAGGCACGCGGUGAAUGCCACGUGGCCAUGAUGGG
11	cel-mir-1817	UAGCCAAUGUCUUCUCUAUCAUG	AGCCAAU	+ / - / - / -	UGAUAGUGAAAUAUUUGCUUCC	GAUAGUG	+ / - / - / -	UGUACAUUUCAAUUUUCGAGUAGCCAAUGUCUUCUCUAUCAUGCAUUUUCAAAUAAUGAGUACAUGAUAGUGAAAUAUUUGCUUCCUGAAUUUCAGAGAUGUUU
12	cel-mir-1818	UGUGGUCUUCAUGCCAUGAUUUU	GUGGUCU	- / - / - / -	AAUCAUAGUUUGGAAACCUCGAC	AUCAUAG	- / - / - / -	CUGGAAAGAGUGGCCUUUUGUGGUCUUCAUGCCAUGAUUUUAUCACUCAAACUGAUAAAAUCAUAGUUUGGAAACCUCGACAGGCUUUUCUUUUCUU
13	cel-mir-1819	AAUCAUGCUCAAAACAUUCGACA	AUCAUGC	- / - / - / -	UGGAAUGAUUGAGCUUGAUGGA	GGAAUGA	- / - / - / +	AAUCAGUGAUCAAUCAUGCUCAAAACAUUCGACAUAACUUAAUUUCUUUGUGGAAUGAUUGAGCUUGAUGGAUCGAUGAAA
14	cel-mir-1820	UUUUGAUUGUUUUUCGAUGAUGUUCG	UUUGAUU	+ / + / + / +	AACCAUUGUAAACAAUCAAAGA	ACCAUUG	- / - / - / -	UUCAAAAAUUGCAUUUUCCAUCUUUUGAUUGUUUUUCGAUGAUGUUCGUUAAAUCGGUAUAAGCGAACCAUUGUAAACAAUCAAAGAAUGGAGAAUCAAUUUAUGAU
15	cel-mir-1821	UGCCCAACUUGCAGACUUUUCAAU	GCCCAAC	- / - / - / -	UGAGGUCUUAUAGUUAGGUAGA	GAGGUCU	- / - / - / +	AUAUGUAGUUGGUACAAGUUUGCCCAACUUGCAGACUUUUCAAUUUUCGGCAAGGUGGAAUUGAGGUCUUAUAGUUAGGUAGACAUUUACUACAACUAAUAUAUA
16	cel-mir-1822	AGUUUCUCUGGGAAAGCUAUCGGC	GUUUCUC	+ / - / - / -	GAGCUGCCCUCAGAAAAACUCU	AGCUGCC	+ / + / + / +	AUUCUUGAAAACUCCAAUAGUUUCUCUGGGAAAGCUAUCGGCCAAUUUAACUGUCCGAGCUGCCCUCAGAAAAACUCUUGGCUCAUCGAGAAA
17	cel-mir-1823	ACCCCUAACCCUAUGCAGUAUU	CCCCUAA	- / - / - / -	UACUGGAAGUGUUUAGGAGUAA	ACUGGAA	- / - / - / -	CUUUGACCUGAACGUCACCCCUAACCCUAUGCAGUAUUUGGAGCUCAUAAAAUACUGGAAGUGUUUAGGAGUAAUGCUCAGUUGUCAGAA
18	cel-mir-1824	UGGCAGUGUUUCUCCCCCAACUU	GGCAGUG	+ / + / + / +	GUUGGCCGUGGUGAACACUUCCGCC	UUGGCCG	+ / - / - / -	GUUCACCAGAGUUGGCAGUGUUUCUCCCCCAACUUUUGUUACAGAAUUGCAAAAAUGUUGGCCGUGGUGAACACUUCCGCCUCUGGUUUGAAG
19	cel-mir-1828	UGAUCACUUUUAUCGGUUCCGG	GAUCACU	- / - / - / -	ACUGGAAGCAUUUAAGUGAUAGU	CUGGAAG	- / - / - / +	UGAUCACUUUUAUCGGUUCCGGUCCCUCUGCAAAAAAGUGGACUGGAAGCAUUUAAGUGAUAGU
20	cel-mir-1829a	AAGGGGACUUCUAAUUGUUUGUA	AGGGGAC	- / - / - / +	CAACCAUUGGAAUUUCUCUAUU	AACCAUU	- / - / - / -	AAGGGGACUUCUAAUUGUUUGUAAAAAAUCGAGUAUUACAACCAUUGGAAUUUCUCUAUU
21	cel-mir-1829b	AAGCGAUCUUCUAGAUGGUUGUA	AGCGAUC	- / - / - / -	-	-	-	AAGCGAUCUUCUAGAUGGUUGUAAAACAUCGAGUAUUACAACCAUGGAAUUUCUCUAUU
22	cel-mir-1829c	AAGCGAAAUUCAAGAUGGUUGUA	AGCGAAA	- / - / - / -	-	-	-	AAGCGAAAUUCAAGAUGGUUGUAAAACAUCGAGUACUACAACCACUGGAAUUUCUCUAUUGC
23	cel-mir-1830	CGAGGUUUCACGUUUUCUAGGC	GAGGUUU	+ / + / - / +	CCUAGGAAAUGAGAAAACUCGGC	CUAGGAA	- / - / - / -	CGAGGUUUCACGUUUUCUAGGCCACGCCGCAAAUAGCCAGCUUGUGGCCUAGGAAAUGAGAAAACUCGGC
24	cel-mir-1832	UCAGCGAUUCGAACUCCGCCCACU	CAGCGAU	- / - / - / +	UGGGCGGAGCGAAUCGAUGAUU	GGGCGGA	- / - / - / -	UCAGCGAUUCGAACUCCGCCCACUGCACCUGAUUGGUUGACAAGUGGGCGGAGCGAAUCGAUGAUU
25	cel-mir-1832b	CAGCGAAUCGCUCGGCCCACUUU	AGCGAAU	- / - / - / -	AGUGGGCAGAGCGAUUCGCUGAU	GUGGGCA	- / - / - / -	CAGCGAAUCGCUCGGCCCACUUUUGUGAACCAAUCAGCGUCAAAAGUGGGCAGAGCGAUUCGCUGAU
26	cel-mir-1833	-	-	-	CGAGGCUUGCGAAAUAAGUGUGC	GAGGCUU	- / + / - / +	ACGCUUACUUCGCAAGCCUCGCGCGUUUUCUUUUCAAGAGAAAAAGCGUGCGAGGCUUGCGAAAUAAGUGUGC
27	cel-mir-1834	GACUCGGUGUGUGAUCUCUUA	ACUCGGU	- / - / - / -	AGAGAUCAACCAUUGAGAUCCAA	GAGAUCA	+ / + / + / -	UGACUCGGUGUGUGAUCUCUUACCGUUUUAUGGAUAAGAGAUCAACCAUUGAGAUCCAA
28	cel-mir-2	CAUCAAAGCGGUGGUUGAUGUG	AUCAAAG	- / - / - / +	UAUCACAGCCAGCUUUGAUGUGC	AUCACAG	+ / + / + / -	UAAACAGUAUACAGAAAGCCAUCAAAGCGGUGGUUGAUGUGUUGCAAAUUAUGACUUUCAUAUCACAGCCAGCUUUGAUGUGCUGCCUGUUGCACUGU
29	cel-mir-2207	UGUGAAUUGAGACUGUGUAUAAG	GUGAAUU	- / - / - / +	AUGCACAGGCUCAAUGCACACA	UGCACAG	- / - / - / -	UGUGAAUUGAGACUGUGUAUAAGAAUGUAAGGAGGAGAGGGGCCGUUCGUAUCGUUCGUCUUAUGCACAGGCUCAAUGCACACA
30	cel-mir-2208a	AAGUGUACCCGAAUCUGAUAUCC	AGUGUAC	- / - / - / -	AUGCAGUUUCUGGUAUACUUCA	UGCAGUU	- / - / - / -	AAGUGUACCCGAAUCUGAUAUCCUAUCAUCUGAAAAAGGAUGCAGUUUCUGGUAUACUUCA
31	cel-mir-2208b	AAGUGUACCCGGAUCUGAUAUCC	AGUGUAC	- / - / - / -	AUGCAGAUUUUGGUACACUUCA	UGCAGAU	- / - / - / -	AAGUGUACCCGGAUCUGAUAUCCUAUCACCAAAAAGAGGAUGCAGAUUUUGGUACACUUCA
32	cel-mir-2209a	GAGUGUAACCACUCUUCUCCUUC	AGUGUAA	- / - / - / -	AGAGAUCAGCGGUUACACUACA	GAGAUCA	+ / + / + / -	GAGUGUAACCACUCUUCUCCUUCCGAGUAUUGAUUAUCGAGAAGAGAUCAGCGGUUACACUACA
33	cel-mir-2209b	AGUGUAACAACUCUUCUCCUUC	GUGUAAC	- / - / - / -	AGAGAUGAGCGGUUGUGCUUCA	GAGAUGA	- / - / - / +	AGUGUAACAACUCUUCUCCUUCCGAAAACCAAUAAUCGAGAAGAGAUGAGCGGUUGUGCUUCA
34	cel-mir-2209c	GAGUGUAACCGCACGUCUUGUUU	AGUGUAA	- / - / - / -	AAAAGACCACCGGUUACACUACA	AAAGACC	- / - / - / -	GAGUGUAACCGCACGUCUUGUUUCAAAACUCAAUAUAUGGAAAAAGACCACCGGUUACACUACA
35	cel-mir-2210	AGGCAGAUCAAUCAAUUUUUAGG	GGCAGAU	+ / - / - / +	UAAAGUCGAUUGCUCUACCCAC	AAAGUCG	- / - / - / -	AGGCAGAUCAAUCAAUUUUUAGGUUUAUAUAAAUAAUCCUAAAGUCGAUUGCUCUACCCAC
36	cel-mir-2211	CCUCCAUCUAUUCUCCAUCUGACG	CUCCAUC	- / + / - / -	UCAGGUAGAAUUUAGAGGAGAAA	CAGGUAG	- / - / - / -	CCUCCAUCUAUUCUCCAUCUGACGACGUCCCGUCCCGUCAGGUAGAAUUUAGAGGAGAAA
37	cel-mir-2212	UGGCAGAUCAUAGGCUGACUUUG	GGCAGAU	+ / - / - / +	AAGUGGCAUUUGAUAAGCCAUC	AGUGGCA	- / - / - / -	UGGCAGAUCAUAGGCUGACUUUGCAAGCAUUUUAUACAAAGUGGCAUUUGAUAAGCCAUC
38	cel-mir-2213	UGGCGGACUCUUCACAGUUUGA	GGCGGAC	- / - / - / -	AAGCUGUAAGAGGACUGCCUAA	AGCUGUA	+ / - / - / -	UGGCGGACUCUUCACAGUUUGACCUCGGAGAUCAAGCUGUAAGAGGACUGCCUAA
39	cel-mir-2214	AUUCGGUCCGGAGUCAAUGGG	UUCGGUC	- / - / - / -	CAUUGACAACAACUUGACCGGCGUU	AUUGACA	- / - / - / -	AUUCGGUCCGGAGUCAAUGGGUUAUCUUUCAAAACCCCCCAUUGACAACAACUUGACCGGCGUU
40	cel-mir-2215	ACAGCACGUGUUACGAUGCUCC	CAGCACG	- / - / - / -	AGAAUCGUAGCGCGUGUUGUUU	GAAUCGU	- / - / - / -	ACAGCACGUGUUACGAUGCUCCGUUAGUUCGGAGUUUUUACGGAGAAUCGUAGCGCGUGUUGUUU
41	cel-mir-2216	GCACAUUUUAAGUCGGUAGGC	CACAUUU	- / - / - / -	CUAUCUACUUAAAAUGUGCCU	UAUCUAC	- / - / - / -	GCACAUUUUAAGUCGGUAGGCGUCCAAUUUUGAUGCCUAUCUACUUAAAAUGUGCCU
42	cel-mir-2217	CAGAGUGGGCAGUCGGUGUCGAUC	AGAGUGG	- / - / - / -	UCGACCCUUGUGCCUGUUUCGGU	CGACCCU	- / - / - / -	CAGAGUGGGCAGUCGGUGUCGAUCUACAUCAUUCGCAGGUCGACCCUUGUGCCUGUUUCGGU
43	cel-mir-2218a	CAAACUACAAGUUUUAAGCCUCA	AAACUAC	+ / - / - / -	AGGCCAGAAUAGUGUAGUUUGUA	GGCCAGA	- / - / - / -	CAAACUACAAGUUUUAAGCCUCACCAAAAGUUGGGUGAGGCCAGAAUAGUGUAGUUUGUA
44	cel-mir-2218b	AGACUACAAACUACAUCAUUUUC	GACUACA	- / - / - / -	AAAUUUGUAGUUUGUAGUGAGA	AAUUUGU	- / - / - / -	AGACUACAAACUACAUCAUUUUCCAUCUCUUUGGUGAGGCUAGAAAAUUUGUAGUUUGUAGUGAGA
45	cel-mir-2219	ACAGCUUUCUCUCGCACAUCGUC	CAGCUUU	- / - / - / +	CUGACGAAGUGCGAGGGAAAGC	UGACGAA	- / - / - / -	ACAGCUUUCUCUCGCACAUCGUCAGCUUUGAACUCUGUAUGAAAGCUGACGAAGUGCGAGGGAAAGCUGAAG
46	cel-mir-2220	GUAAGACCAUAAACUAUUUAUC	UAAGACC	- / - / - / -	UCAAUUGUUUGUGGACUUACAG	CAAUUGU	- / - / - / +	GUAAGACCAUAAACUAUUUAUCAAUUCAUCAUUUGAUCAAUUGUUUGUGGACUUACAG
47	cel-mir-2221	UGGCGGUUUGCAUUCACUUACA	GGCGGUU	- / - / - / -	CAAGUGAUACCAGACCGCUAGU	AAGUGAU	- / + / - / -	UACAUUUAUUCUAUCUGUCCUCGAAUACAAACUGGCGGUUUGCAUUCACUUACAUUUAUAAGACAAAAAUGCAAGUGAUACCAGACCGCUAGUUUGUAAAAGGGAUAAUUUUAUGUGA
48	cel-mir-228	AAUGGCACUGCAUGAAUUCACGG	AUGGCAC	+ / + / + / +	CGGAUCAUACGGUACAUAGC	CGGAUCA	- / - / - / -	CCUUAUCCCGUCGCAAUGGCACUGCAUGAAUUCACGGCUAUGCAUAACGACAGACCGCGGAUCAUACGGUACAUAGCGGACGGUGAUGAGGUUAAU
49	cel-mir-229	AAUGACACUGGUUAUCUUUUCCAUCG	AUGACAC	+ / - / - / +	AGAAAGGUAUCGGGUGUCAUAG	GAAAGGU	- / - / - / +	CGCCGGCAAUGACACUGGUUAUCUUUUCCAUCGUGGAAUGCCCCCAUUGAUUUUUCCCUUUUCGGGGGAAAAAAUGGAAAGAGAAAGGUAUCGGGUGUCAUAGCCGCGG
50	cel-mir-230	ACUUGGUCGGCGAUUUAAUAUUA	CUUGGUC	+ / - / - / -	GUAUUAGUUGUGCGACCAGGAGA	UAUUAGU	+ / - / - / -	UUGAUGUAAUGCCGUCACUUGGUCGGCGAUUUAAUAUUAUCAGAACAUAGGAAAUGUUAGUAUUAGUUGUGCGACCAGGAGACGGUAUUCGCAUAUU
51	cel-mir-231	CUGACUGUUUCAAAAGCUUGUA	UGACUGU	- / - / - / +	UAAGCUCGUGAUCAACAGGCAGAA	AAGCUCG	+ / + / - / +	UAGCACCACAGGUUGUCUGACUGUUUCAAAAGCUUGUAUCUUAAUAAAAAACAUAUAAGCUCGUGAUCAACAGGCAGAACAACUCGGUUUUGUG
52	cel-mir-232	CCUGCAGUUUCGAUGAUUUUAUC	CUGCAGU	- / - / - / +	UAAAUGCAUCUUAACUGCGGUGA	AAAUGCA	+ / + / + / -	AAGUUCAAUUUUUGGAUCCCUGCAGUUUCGAUGAUUUUAUCCUUAAUUCUGAAGAUGUGAUAAAUGCAUCUUAACUGCGGUGAUCUAGAUCAUGAACA
53	cel-mir-233	UCGCCCAUCCCGUUGCUCCAAUA	CGCCCAU	- / - / - / -	UUGAGCAAUGCGCAUGUGCGG	UGAGCAA	+ / + / + / -	AUAUAGCAUCUUUCUGUCUCGCCCAUCCCGUUGCUCCAAUAUUCUAACAACAAGUGAUUAUGAGCAAUGCGCAUGUGCGGGAUAGACUGAUGGCUGC
54	cel-mir-234	CGGUAUUCCAGAGUGAUAAUA	GGUAUUC	+ / - / - / -	UUAUUGCUCGAGAAUACCCUU	UAUUGCU	+ / + / + / +	CAAAAAAUGAUCAAACGGUAUUCCAGAGUGAUAAUAAAAAUGCGUCAGUCCGCAAUCUAUUAUUGCUCGAGAAUACCCUUUGACUACUAUGUGUA
55	cel-mir-235	AGGCCUUGGCUGAUUGCAAAAUU	GGCCUUG	+ / + / - / -	UAUUGCACUCUCCCCGGCCUGA	AUUGCAC	+ / + / + / +	UCCGAAGAUAUCAGGAUCAGGCCUUGGCUGAUUGCAAAAUUGUUCACCGUGAAAAUUAAAUAUUGCACUCUCCCCGGCCUGAUCUGAGAGUAAGGCG
56	cel-mir-236	CGUCUUACCUGUCAAUAUUAGA	GUCUUAC	+ / - / - / +	UAAUACUGUCAGGUAAUGACGCU	AAUACUG	+ / + / + / +	UCGGUGACCGAUGUCCAGCGUCUUACCUGUCAAUAUUUAGACUGACUAUCAAAGAGAUCUAAUACUGUCAGGUAAUGACGCUGGUAUUGUCAUGUCAU
57	cel-mir-237	UCCCUGAGAAUUCUCGAACAGCU	CCCUGAG	+ / + / + / +	CUGUCGAGUUUUGUCAAGGACC	UGUCGAG	+ / - / - / -	UUCUACAUUGCGUGGUCCCUGAGAAUUCUCGAACAGCUUCAAAGUGUCAAGCUGUCGAGUUUUGUCAAGGACCAAACAAUAGAAGAUCACUUGGGAAC
58	cel-mir-238	UGGAUGUUCUCGGACGUUCAAAGC	GGAUGUU	- / - / - / -	UUUGUACUCCGAUGCCAUUCAGA	UUGUACU	+ / - / - / -	UCUCCAUUGACUGUUUGGAUGUUCUCGGACGUUCAAAGCUACAUCCAACAAAUUGGUAGCUUUGUACUCCGAUGCCAUUCAGAUAGUAUGAGCCAUG
59	cel-mir-239a	UUUGUACUACACAUAGGUACUGG	UUGUACU	+ / + / - / -	AGUGUCUAGUCUAGUGCAAACA	GUGUCUA	- / - / - / -	UACACGUUUGCAAUUUUUGUACUACACAUAGGUACUGGACAAUUUCAAAAUAUAUCCAGUGUCUAGUCUAGUGCAAACAUUGCUCGGUGUUGUUUGA
60	cel-mir-239b	UUUGUACUACACAAAAGUACUG	UUGUACU	+ / + / - / -	GCACUUUUGUGGUGUGCAAAAA	CACUUUU	- / - / - / -	GCGACAGAUGCAAUUUUUGUACUACACAAAAGUACUGGUCAUUUAAGUUGAGGCUCAGCACUUUUGUGGUGUGCAAAAAUGGCAAGUUGCUUUUAUCU
61	cel-mir-240	CGAGGAUUUUGAGACUAGAAUGC	GAGGAUU	- / - / - / +	UACUGGCCCCCAAAUCUUCGCU	ACUGGCC	+ / + / + / +	UUGUUAGAAACUUUUCAAAUCGAGGAUUUUGAGACUAGAAUGCUUGAAUUGUACUAGCAUACUGGCCCCCAAAUCUUCGCUUAGAAAUACAGUUCA
62	cel-mir-241	UGAGGUAGGUGCGAGAAAUGA	GAGGUAG	+ / + / + / +	AUUGUCUCUCAGCUGCUUCAUC	UUGUCUC	- / - / - / -	CGGGGGUGUCAAAGUUGAGGUAGGUGCGAGAAAUGACGGCAUCCAUAUAGUAAUCGUCAUUGUCUCUCAGCUGCUUCAUCUGUGACAUGGCUACG
63	cel-mir-242	UUGCGUAGGCCUUUGCUUCGA	UGCGUAG	+ / + / - / -	GCAGCAAUAUCCUCGCAAAA	CAGCAAU	- / - / - / -	UGGCUCGCGAGAGUAUUGCGUAGGCCUUUGCUUCGAGAGAGAAGCUUCAGUCGCAGCAAUAUCCUCGCAAAACUUUCCCGGCUAUGCAAAAAA
64	cel-mir-243	UAUCUCGGUGCGAUCGUAC	AUCUCGG	- / - / - / -	CGGUACGAUCGCGGCGGGAUAUC	GGUACGA	- / - / - / -	UGUUCACGCAUAAGCUCGAUAUCUCGGUGCGAUCGUACCGUAUCGCUCACACUUAGAUUACGGUACGAUCGCGGCGGGAUAUCAGGUACGUGAUUGGA
65	cel-mir-244	UCUUUGGUUGUACAAAGUGGUAUG	CUUUGGU	+ / + / + / +	UACUGCUUUCAGCUAAAGGA	ACUGCUU	- / - / - / -	CUCCAUAUCUCAAUCUCUUUGGUUGUACAAAGUGGUAUGGCUCAUCGAAUAAGCACAUACUGCUUUCAGCUAAAGGAAUUGAGAUUUGUAGGCUUUU
66	cel-mir-245	GCUAUUUGCAAGGUACCUAAUUG	CUAUUUG	- / - / - / -	AUUGGUCCCCUCCAAGUAGCUC	UUGGUCC	+ / - / - / +	CUGAAUUCAAUGUUGGAGAGCUAUUUGCAAGGUACCUAAUUGUUUGAUUAUUGAUUCUCAAUUGGUCCCCUCCAAGUAGCUCUAUUGCAUUGUUUGC
67	cel-mir-246	CGCCUAACCGUUGUCAUGUAAUA	GCCUAAC	- / - / - / -	UUACAUGUUUCGGUAGGAGC	UACAUGU	+ / + / - / +	AUCUGAAUUAUAAAACAUCGCCUAACCGUUGUCAUGUAAUAUUUCCAGAGAAAAUGAUAUUACAUGUUUCGGUAGGAGCUGUUCAAACUUUGGAC
68	cel-mir-247	UAGAGAAAAGUUUCUAAUUACC	AGAGAAA	- / - / - / -	UGACUAGAGCCUAUUCUCUUCU	GACUAGA	+ / + / + / -	AUUACCAGCUAUUUUCCAAGUAGAGAAAAGUUUCUAAUUACCCAUCAUGCACAAAUGUGGUGACUAGAGCCUAUUCUCUUCUGGAAAGUGGCGACU
69	cel-mir-248	AGCGGUAUCCAGCCGAUGUUUUC	GCGGUAU	- / + / - / -	AUACACGUGCACGGAUAACGCUCA	UACACGU	+ / - / - / -	UUUCCCGGCUGCAACUACGGUAAGCGGUAUCCAGCCGAUGUUUUCAAUACUGCAUUUGAAUACACGUGCACGGAUAACGCUCAUUGUUUUUCGCAUGC
70	cel-mir-249	AGCAACGCACAAACGUCUUCUGUG	GCAACGC	- / - / - / -	UCACAGGACUUUUGAGCGUUGCC	CACAGGA	+ / + / - / +	AUACUCUUGAACGACUAGCAACGCACAAACGUCUUCUGUGCGACAACUGAAUGUUUGUCACAGGACUUUUGAGCGUUGCCAGUCGAAAGAGGAA
71	cel-mir-250	CCUUCAGUUGCCUCGUGAUCCG	CUUCAGU	+ / + / - / -	AAUCACAGUCAACUGUUGGC	AUCACAG	+ / + / + / -	AGGGUCUUCGGACCACGCCUUCAGUUGCCUCGUGAUCCGUGCCAAACACAAUAAAUGGACGAAUCACAGUCAACUGUUGGCAUGGUCGUCGUACCCAUUUU
72	cel-mir-251	UUAAGUAGUGGUGCCGCUCUUAUU	UAAGUAG	+ / + / + / -	UAAGAGUAGUUCACUACUUAUCA	AAGAGUA	- / - / - / -	ACUUUCAAUGACCCUUGUUAAGUAGUGGUGCCGCUCUUAUUAGGUUGAAAAGUAAUAAGAGUAGUUCACUACUUAUCAAGGUGAAAUUUGAAAUUU
73	cel-mir-252	AUAAGUAGUAGUGCCGCAGGUAA	UAAGUAG	+ / + / + / -	CUUACCUACUGCCUUCUGC	UUACCUA	- / - / - / -	UCCAGGGGUCUCUUCAGUUAUAAGUAGUAGUGCCGCAGGUAACCGCCAGUCUAAAAGGCUUACCUACUGCCUUCUGCUUAAAAUUGAAAUAUUGAUG
74	cel-mir-253	CACACCUCACUAACACUGACC	ACACCUC	+ / - / - / -	UUAGUAGGCGUUGUGGGAAGGG	UAGUAGG	+ / - / - / -	GAAUUGUUCCGAUCGCCGCUCUUUUCACACACCUCACUAACACUGACCACCGAUGCAUAGAUGUUAGUAGGCGUUGUGGGAAGGGCGGCACAGUGAACGUCGUUUC
75	cel-mir-254	UACAGAAGCAUAGAUUUCCACA	ACAGAAG	- / - / + / -	UGCAAAUCUUUCGCGACUGUAGG	GCAAAUC	+ / - / - / -	ACUAUGCAUAUUGCCGCCUACAGAAGCAUAGAUUUCCACAAACCAUCGAGGUGUUUUGUGCAAAUCUUUCGCGACUGUAGGCGGCGAACAUGCAGUUUUU
76	cel-mir-255	GUAAGAAAUCUUUGUAGUCUC	UAAGAAA	- / - / - / -	AAACUGAAGAGAUUUUUUACAG	AACUGAA	+ / - / - / +	CAGUGGUUCGACUAAAUUUUGGAGGUAAGAAAUCUUUGUAGUCUCCGUAUUGUGACGUGAAAACUGAAGAGAUUUUUUACAGACUUCACAAAUUUGAAAUAUAUUCCUG
77	cel-mir-256	-	-	-	UGGAAUGCAUAGAAGACUGUA	GGAAUGC	- / - / - / +	GCAAGGAGUGCAGAGGCUUACUUAUGAGACGGUCAAGAGGCGCCUCCGUCACGUGGAUACGUCGGGUGGAAUGCAUAGAAGACUGUACUCAAAAAAUUUAC
78	cel-mir-257	GAGUAUCAGGAGUACCCAGUGA	AGUAUCA	- / - / - / -	-	-	-	AUAAUAUUUCCCGCUGAGUAUCAGGAGUACCCAGUGAUCGCCUUCACAUAUUGGGAAGAAGUAUGUGAUUGCGUCCUGCAGUUCUUCCAUGAUGUACUCAGG
79	cel-mir-258-1	GGUUUUGAGAGGAAUCCUUUU	GUUUUGA	- / - / - / +	-	-	-	GCAAUGGUUUUGAGAGGAAUCCUUUUACAUAUUUGUGAAGUUUUCGCUCGAAUUUGUGGUCGAAUACUGUGAAGGAAGCCUGCACGAAGUUUUG
80	cel-mir-258-2	GGUUUUGAGAGGAAUCCUUUU	GUUUUGA	- / - / - / +	-	-	-	GCAAUGGUUUUGAGAGGAAUCCUUUUACAUAUUUGUGAAGUUUUCGCUCGAAUUUGUGGUCGAAUACUGUGAAGGAAGCCUGCACGAAGUUUUG
81	cel-mir-259	AAAUCUCAUCCUAAUCUGGUAG	AAUCUCA	+ / + / + / +	CCACCGAUUUGGCAUGGGAUUGAC	CACCGAU	- / - / - / -	UCAGUCAUUGAAACGAGUAAAUCUCAUCCUAAUCUGGUAGCAUCUUUCGAACCUUGCCACCGAUUUGGCAUGGGAUUGACUUGUUAAAUAGUGACUUUUUU
82	cel-mir-260	-	-	-	GUGAUGUCGAACUCUUGUAG	UGAUGUC	- / - / - / +	CGUACAACAAAAUAUUGCGAGAGAAUUUUUACAUGGCGUUUGCUUUACCAGGUCGAUAGACUAUCGUGAUGUCGAACUCUUGUAGGACAAUCUGGUAUUU
83	cel-mir-261	-	-	-	UAGCUUUUUAGUUUUCACG	AGCUUUU	- / - / - / +	UGAUGGCUUUUCUGGAUUUGUUCCCUUCACGUGUAGAAAGAAACGAGCAAAAAAAUCUUAGUGUUAGCUUUUUAGUUUUCACGGUGAAUAUGGAUAUU
84	cel-mir-262	-	-	-	GUUUCUCGAUGUUUUCUGAU	UUUCUCG	- / - / - / -	GUGCAAAAUUGUAUUAAAAUAAACUUUAUUGGAUUACAAAAAAAAUGUAUCAAUUUUUCUUUUUCAUUUUUACGUUUCUCGAUGUUUUCUGAUACUGUUGCUAGCAGU
85	cel-mir-264	-	-	-	GGCGGGUGGUUGUUGUUAUG	GCGGGUG	- / - / - / +	UGGCGGCGGUCGACAUGUACAUAUCACCAGUCUGGCUUUUCCCGUUUCCGCGAGCAAGCGGCGGGUGGUUGUUGUUAUGGGAUACCGGAGCCA
86	cel-mir-265	-	-	-	UGAGGGAGGAAGGGUGGUAU	GAGGGAG	- / - / - / +	GGUUUGACUUACCCCCUCCUUCCGCUGGCCGCCGUUUUUAUUAUGAACUUGAUGUGGUUUGAGGGAGGAAGGGUGGUAUUUGAACC
87	cel-mir-266	AGGCAAGACUUUGGCAAAGC	GGCAAGA	+ / + / + / +	-	-	-	UGUCUAAACUUGGGCAAAAGUUAGGCAAGACUUUGGCAAAGCUGAAUCCAAGUUUUGCCAAAGUUUUGCCCAACUUUUGCCCAAAUUCAGCCA
88	cel-mir-267	CCCGUGAAGUGUCUGCUGCA	CCGUGAA	- / - / - / -	-	-	-	UAAAAGUUUCAAAACCCCGUGAAGUGUCUGCUGCAAUCUAAAUUUUUAGAUAUAGAUGCAGUCGACUCUUCAUUGGGUUUUCAGGAACCCGUA
89	cel-mir-268	GGCAAGAAUUAGAAGCAGUUUGGU	GCAAGAA	+ / + / - / -	-	-	-	GGAAGUGGCUUUGAAGCGGCAAGAAUUAGAAGCAGUUUGGUGUCAGACACACUACUCACUCACUGCUUCUUGUUUUUUCUGCUUUCUUUGCUUUU
90	cel-mir-269	GGCAAGACUCUGGCAAAACU	GCAAGAC	- / - / - / +	-	-	-	GGGCAAAGUUGGGCAAGACUCUGGCAAAACUUGGAUUUAUGCUGCGCCAAAGUUUAACCCAAGUUUGACCCAACUCUUGUCAAAUUUUUGUCC
91	cel-mir-270	-	-	-	GGCAUGAUGUAGCAGUGGAG	GCAUGAU	- / - / - / -	GUCGCUAGCCUCUUUACUGCCUACACACCUUUCUGCCUACGUGGCACAUUGGUAGGCAAGAGGGCAUGAUGUAGCAGUGGAGAUGGACUGCCAC
92	cel-mir-271	UCGCCGGGUGGGAAAGCAUU	CGCCGGG	- / - / - / -	-	-	-	AAUAGAAAACGGGGCCGCCGGCUCGCCGGGUGGGAAAGCAUUCGACAGCAAGACGUGUUUUCAAUCUGCGACUCGGCGAUUCCCAUCAUCACU
93	cel-mir-272	-	-	-	UGUAGGCAUGGGUGUUUG	GUAGGCA	- / - / - / -	CGCAGGCACGUGCAGGUAUGUAGGCAGGCGUAGGCCCGUAGGCAAGUGUAGGUCUGCAGGCAUGAAUGUAGGCAUGGGUGUUUGGAAGACCUGCG
94	cel-mir-273	-	-	-	UGCCCGUACUGUGUCGGCUG	GCCCGUA	- / - / - / -	ACCUCGUUUUGGGAGCAGCCGGCAUUUUACGGGCUACACUUUUUUUAAAAAUGAUGUGUGCCCGUACUGUGUCGGCUGCUUUGAAAAUUUCGGU
95	cel-mir-2953	UACAGAAGUGUUCGUGAAAAU	ACAGAAG	- / - / + / -	GAUCACUAGCUCUUCUGUAGC	AUCACUA	+ / - / - / +	UACAGAAGUGUUCGUGAAAAUAAAUAUGUGUUUUUUUUAUGAUCACUAGCUCUUCUGUAGC
96	cel-mir-34	AGGCAGUGUGGUUAGCUGGUUG	GGCAGUG	+ / + / + / +	ACGGCUACCUUCACUGCCACCC	CGGCUAC	+ / - / - / -	CGGACAAUGCUCGAGAGGCAGUGUGGUUAGCUGGUUGCAUAUUUCCUUGACAACGGCUACCUUCACUGCCACCCCGAACAUGUCGUCCAUCUUUGAA
97	cel-mir-35	UGCUGGUUUCUUCCACAGUGGUA	GCUGGUU	+ / + / + / +	UCACCGGGUGGAAACUAGCAGU	CACCGGG	+ / + / + / +	UCUCGGAUCAGAUCGAGCCAUUGCUGGUUUCUUCCACAGUGGUACUUUCCAUUAGAACUAUCACCGGGUGGAAACUAGCAGUGGCUCGAUCUUUUCC
98	cel-mir-353	CAAUUGCCAUGUGUUGGUAUU	AAUUGCC	- / - / - / +	-	-	-	UGUUGAAGUAUUGCAAAAGCAAAGGACGGGCACAAUUGCCAUGUGUUGGUAUUAUUGCUUCAAGUUAUUUGAAGCUGUAAUAUCAAUAAGCAUGUCUCGUGUGAAGUCCG
99	cel-mir-354	-	-	-	ACCUUGUUUGUUGCUGCUCCU	CCUUGUU	+ / + / - / +	CAGAGCCGACUAAGCACCUUGGUGCGGCUGCAGACGGGUAUCCGGCUCGACGUUCAUACAUCACGACUCUUCCUUUUACCUUGUUUGUUGCUGCUCCUAUUGGUUUUG
100	cel-mir-355	UUUGUUUUAGCCUGAGCUAUG	UUGUUUU	+ / - / - / -	UAGCUUCUUGCUAAAACAUGCC	AGCUUCU	- / - / - / -	AAUAAUGUCAGAAUUGAAUGGUUUGUUUUAGCCUGAGCUAUGAGUCAUCGGAAUAUGCAUAGCUUCUUGCUAAAACAUGCCAAUCAAUCUUAAUUGACGAAGUUUUGA
101	cel-mir-356	UUGAGCAACGCGAACAAAUCA	UGAGCAA	+ / + / + / -	-	-	-	UAAAGUUUCCUUGAGAACAAUGUGGUUGAGCAACGCGAACAAAUCAUCAAUGAAAUUCAGCGGAUUCGUUACGACGUGUCUCACCACAUCGUUAGUAGGAUUUCAGAA
102	cel-mir-356b	UGGUGAGACACGUCGUAACGAAU	GGUGAGA	- / - / - / -	UUUGUUCGCGUUGCUCAACCACA	UUGUUCG	+ / + / + / +	UGGUGAGACACGUCGUAACGAAUCCGCUGAAUUUCAUUGAUGAUUUGUUCGCGUUGCUCAACCACA
103	cel-mir-357	CCCUACAACGCUGCGCAUAUGC	CCUACAA	- / - / - / -	AAAUGCCAGUCGUUGCAGGAGU	AAUGCCA	- / + / - / -	ACGCUGUACUACUCACCAGCGGAUCCCUACAACGCUGCGCAUAUGCAUGAACACAAUGAAAAUGUAAAUGCCAGUCGUUGCAGGAGUUCGCAUACAGUAGUAAAAUGCGC
104	cel-mir-358	ACCUGGCCAGGCAUUCCAACUGU	CCUGGCC	- / - / - / +	AUUGGUAUCCCUGUCAAGGUCU	UUGGUAU	- / - / - / -	AAACUCGCGACGGCUGGCGACCUGGCCAGGCAUUCCAACUGUCAACUUAUCAAAGCUUUCUCGACAAUUGGUAUCCCUGUCAAGGUCUCAAUCCGUUCAGCGAAUUCGUU
105	cel-mir-359	CGUUAGAGUAACACACAGUUACA	GUUAGAG	- / - / - / -	UCACUGGUCUUUCUCUGACGAA	CACUGGU	+ / - / - / -	AAUGCUCCUUGAAAUUUCAAUCGUUAGAGUAACACACAGUUACACGACCUCAUCAAUCGUGUCACUGGUCUUUCUCUGACGAAUUGAAGUUCUGGAGACAAUUUUGGUUG
106	cel-mir-36	CGCCAAUUUUCGCUUCAGUGCUA	GCCAAUU	- / - / - / -	UCACCGGGUGAAAAUUCGCAUG	CACCGGG	+ / + / + / +	CACCGCUGUCGGGGAACCGCGCCAAUUUUCGCUUCAGUGCUAGACCAUCCAAAGUGUCUAUCACCGGGUGAAAAUUCGCAUGGGUCCCCGACGCGGA
107	cel-mir-360	UUGUGACCGUGUUACGGUCA	UGUGACC	+ / + / + / -	UGACCGUAAUCCCGUUCACAA	GACCGUA	+ / - / - / -	CAUUCUGUUAGGAAGCAUCAAUGUGUUGUGACCGUGUUACGGUCAAUUUGCAAAUUGAAAAAAUGACCGUAAUCCCGUUCACAAUACAUUGUUCGUUUUCUCCAAAGGU
108	cel-mir-37	UGUGGGUGUCCGUUGCGGUGC	GUGGGUG	+ / + / - / +	UCACCGGGUGAACACUUGCAGU	CACCGGG	+ / + / + / +	UUCUAGAAACCCUUGGACCAGUGUGGGUGUCCGUUGCGGUGCUACAUUCUCUAAUCUGUAUCACCGGGUGAACACUUGCAGUGGUCCUCGUGGUUUCU
109	cel-mir-38	UCCGGUUUUUUCCGUGGUGAUA	CCGGUUU	- / - / - / -	UCACCGGGAGAAAAACUGGAGU	CACCGGG	+ / + / + / +	UCUGUGAGCCAGGUCCUGUUCCGGUUUUUUCCGUGGUGAUAACGCAUCCAAAAGUCUCUAUCACCGGGAGAAAAACUGGAGUAGGACCUGUGACUCAU
110	cel-mir-39	AGCUGAUUUCGUCUUGGUAAUA	GCUGAUU	- / - / - / -	UCACCGGGUGUAAAUCAGCUUG	CACCGGG	+ / + / + / +	UAUACGAGAGCCCAGCUGAUUUCGUCUUGGUAAUAAGCUCGUCAUUGAGAUUAUCACCGGGUGUAAAUCAGCUUGGCUCUGGUGUC
111	cel-mir-392	AGCAUUCGUGGUUGAGGAUAU	GCAUUCG	- / - / - / -	UAUCAUCGAUCACGUGUGAUGA	AUCAUCG	+ / - / - / -	UUUUUGAAAAUCUCGCAGACGUGUUCAGUCAGCAUUCGUGGUUGAGGAUAUCGAACACAAAAAAAGAUAUCAUCGAUCACGUGUGAUGACAGAUUUUCUGCGACUAACAG
112	cel-mir-40	AGUGGAUGUAUGCCAUGAUGAUA	GUGGAUG	+ / - / - / +	UCACCGGGUGUACAUCAGCUAA	CACCGGG	+ / + / + / +	UCCUGUCCGCACCUCAGUGGAUGUAUGCCAUGAUGAUAAGAUAUCAGAAAUCCUAUCACCGGGUGUACAUCAGCUAAGGUGGCGGGUACAGGU
113	cel-mir-41	GGUGGUUUUUCUCUGCAGUGAUA	GGUGGUU	- / - / + / +	UCACCGGGUGAAAAAUCACCUA	CACCGGG	+ / + / + / +	GGGUCCCAGAGACCUUGGUGGUUUUUCUCUGCAGUGAUAGAUACUUCUAACAACUCGCUAUCACCGGGUGAAAAAUCACCUAGGUCUGGAGCCUCCU
114	cel-mir-42	GUGGGUGUUUGCUUUUUCGGUGAAG	UGGGUGU	- / - / - / +	UCACCGGGUUAACAUCUACAGA	CACCGGG	+ / + / + / +	UUCGCGGACCUUUGUGGGUGUUUGCUUUUUCGGUGAAGUUGCUUCGUAGCUUCUUCUUCUCACCGGGUUAACAUCUACAGAGGUCCAAAAAGGG
115	cel-mir-43	GACAUCAAGAAACUAGUGAUUAUG	ACAUCAA	- / - / - / -	UAUCACAGUUUACUUGCUGUCGC	AUCACAG	+ / + / + / -	UAUUGGCACUAGUCGCCCGUGACAUCAAGAAACUAGUGAUUAUGCCAAACCACAGGGACAUAUCACAGUUUACUUGCUGUCGCGGGCGGUGCUGAGUU
116	cel-mir-44	CUGGAUGUGCUCGUUGGUCAUA	UGGAUGU	+ / - / - / -	UGACUAGAGACACAUUCAGCU	GACUAGA	+ / + / + / -	GAGAAAAUGGCCAAUCUGGAUGUGCUCGUUGGUCAUAGACGUCAACACGAACUGUUCAUAUGACUAGAGACACAUUCAGCUGGCCUGCUUCUCUA
117	cel-mir-45	CUGGAUGUGCUCGUUAGUCAUA	UGGAUGU	+ / - / - / -	UGACUAGAGACACAUUCAGCU	GACUAGA	+ / + / + / -	CACCAUGUGCCACGCUGGAUGUGCUCGUUAGUCAUAUAAUCCUCCACAAAGCAAGGACUAUGACUAGAGACACAUUCAGCUUGGCGCCGAAUGCAU
118	cel-mir-46	AAGAGAGCCGUCUAUUGACAGU	AGAGAGC	+ / + / - / -	UGUCAUGGAGUCGCUCUCUUCA	GUCAUGG	+ / + / + / +	CUGAGGUGAAGCUGAAGAGAGCCGUCUAUUGACAGUUCUAUGACAGUUCAAGACCACGAGUCGUGUGUGCUGUCAUGGAGUCGCUCUCUUCAGAGUGAUCCGGUCAAU
119	cel-mir-47	AAGAGAGCAGUCUAUUGACAGU	AGAGAGC	+ / + / - / -	UGUCAUGGAGGCGCUCUCUUCA	GUCAUGG	+ / + / + / +	GAGAGCCGACUGAAACUGAAGAGAGCAGUCUAUUGACAGUCGGUUACUCGAAAUCUUUACUGUCAUGGAGGCGCUCUCUUCAGAGUGAUGUCUGGCCC
120	cel-mir-48	UGAGGUAGGCUCAGUAGAUGCGA	GAGGUAG	+ / + / + / +	ACAUCCACCAGCCUAGCUCGCA	CAUCCAC	- / - / - / -	AAACUCCCGGGAACUUGAGGUAGGCUCAGUAGAUGCGAAUUGAACGGUAUCUCACAUCCACCAGCCUAGCUCGCAUCCCAGAGUUUACGGUAUUGU
121	cel-mir-4805	UGCGGCAAAUUUGCCGAAUUUGC	GCGGCAA	- / - / - / -	AAAUUUGAGAUUUCCGCAC	AAUUUUG	- / - / - / -	AGUCGGAGGCAGGGGUGUGCGGCAAAUUUGCCGAAUUUGCCGUUUGUCGAGCUGCGGCAAAUUUGAGAUUUCCGCACACCCUGAUCGGAGCC
122	cel-mir-4806	CACUUACCGGCUGAGCCAUGC	ACUUACC	- / - / - / -	AUAGCUCAGCCGGUAAGAGGC	UAGCUCA	- / - / - / -	GGAUUCAGUGGCGAGCCACUUACCGGCUGAGCCAUGCGCGCUGCGCUGCAUAGCUCAGCCGGUAAGAGGCUUGCCUUUGGAGC
123	cel-mir-4807	GUGAGUUCAAAGUUACAUUUUC	UGAGUUC	- / + / - / -	AAAUGCGACUUCUGGGCUUACAG	AAUGCGA	- / - / - / -	GUGAGUUCAAAGUUACAUUUUCAAUAUAUCUAUUUUGAAAAUGCGACUUCUGGGCUUACAG
124	cel-mir-4808	GUAAGAUAGAUUAGUGCUUUC	UAAGAUA	- / - / - / -	AAGCUCUAUUCUCUCUUACAG	AGCUCUA	- / - / - / -	GUAAGAUAGAUUAGUGCUUUCAAUUAUUUCAAACGAAAGCUCUAUUCUCUCUUACAG
125	cel-mir-4809	GUAAGUUCAGAGUUGAAUUAUC	UAAGUUC	- / - / - / -	UAAUACAACUUCUGGGCUUCCAG	AAUACAA	- / + / - / -	GUAAGUUCAGAGUUGAAUUAUCUUGAUCAUAUUUGAUAAUACAACUUCUGGGCUUCCAG
126	cel-mir-4810	GUAAGUUCAUGAGUUCUCUUAUA	UAAGUUC	- / - / - / -	UGAGUAUCGCAUCAACUUACAG	GAGUAUC	- / + / - / -	GUAAGUUCAUGAGUUCUCUUAUAAAAGGUUUUUAUGAGUAUCGCAUCAACUUACAG
127	cel-mir-4811	UGAACAAUACCUGUGUUAAAAG	GAACAAU	- / - / - / -	UAUAACACUCGUAUUGUUCGCU	AUAACAC	- / - / - / -	AAAAUUGUGGUAUUGAACAAUACCUGUGUUAAAAGACAUACAUAGCAGCACCUUAUAACACUCGUAUUGUUCGCUACUACAGU
128	cel-mir-4812	AAGAGCGCUUGUAGUGAGUUGU	AGAGCGC	- / - / - / -	CAACCACUGCAAUUUCUCUAU	AACCACU	- / + / - / -	AGAAGUAAGAGCGCUUGUAGUGAGUUGUCAAAAAUUGAGUAUGACAACCACUGCAAUUUCUCUAUUACAUUUUUGG
129	cel-mir-4813	AGACUAUCUAGGAAAUAUUGAACU	GACUAUC	- / + / - / -	UUCAAUAUACCGGAUGGUCUGG	UCAAUAU	- / - / - / -	AUUUCACCAGACUAUCUAGGAAAUAUUGAACUAAUACAAAUUUUAGUUCAAUAUACCGGAUGGUCUGGUGAAAGCAA
130	cel-mir-4814	UUCUCAACCAACUUUGGCCACU	UCUCAAC	- / - / - / -	UGGGCAAAGUUGGUUGAGAAGU	GGGCAAA	- / + / - / -	UAAACCAACUUUACCCACUUCUCAACCAACUUUGGCCACUUUUCAACUGCCAUUCACAGAAGUGGGCAAAGUUGGUUGAGAAGUGGGUAAAGUUGGGCAA
131	cel-mir-4815	-	-	-	UGUAUGAGCAAAAUGCGAGGA	GUAUGAG	- / - / - / -	UUGCCUCGUUCGUCGUAUAUUCGUCGUAUAUUGCGUCGUACAUUCCGGACUUCCUUCUAAAUGUAUGAGCAAAAUGCGAGGAAUGUACGAUGCGAAUUG
132	cel-mir-4816	GUAAGUGGUUUUUGUAGAUCAA	UAAGUGG	- / + / - / -	AUCUACAAUUUUCGCACUUACAG	UCUACAA	- / - / - / -	GUAAGUGGUUUUUGUAGAUCAAAAUAGUUAAGAAAUUUUUUGAUCUACAAUUUUCGCACUUACAG
133	cel-mir-49	CGCAGUUUGUUGUGAUGUGCUCC	GCAGUUU	- / - / - / -	AAGCACCACGAGAAGCUGCAGA	AGCACCA	+ / + / + / +	UUUUGAAAAGACCACCGUCCGCAGUUUGUUGUGAUGUGCUCCAAGCAAUCAUGAGUCUGAAGCACCACGAGAAGCUGCAGAUGGAGGUUCUGAUUU
134	cel-mir-4920	GUAAGGAAAACUUUUGAAUUU	UAAGGAA	- / + / - / -	AUUCAUUUGUGAUUCUUUUCAG	UUCAUUU	- / - / - / -	GUAAGGAAAACUUUUGAAUUUCUUUUGAGAGAAAAUUCAUUUGUGAUUCUUUUCAG
135	cel-mir-4921	-	-	-	UGUGCCACUCACUUUCUUGCAG	GUGCCAC	- / - / - / +	GUAAGUUGUGAUGAGUUCACACAUAAAAUUUUGGAUAUAUAUGUGCCACUCACUUUCUUGCAG
136	cel-mir-4922-1	-	-	-	UAUAUAACUGUUCUAUUCACAG	AUAUAAC	- / - / - / +	GUGAGUAGACAAUUUCAUAUUGAAAAAAGUAAAAUUGUCCUCUAUAUAACUGUUCUAUUCACAG
137	cel-mir-4922-2	-	-	-	UAUAUAACUGUUCUAUUCACAG	AUAUAAC	- / - / - / +	GUGAGUAGGACAAUUCAUAUUGAAAAUAUUGUCUUUUAUAUAACUGUUCUAUUCACAG
138	cel-mir-4923a	-	-	-	AAAAGAGAGCCUUUUGUUUACAG	AAAGAGA	- / - / - / +	GUAAGCAAUUGCUUCUCAUUUUCAGAAAUUGUAUGUGAAAAAGAGAGCCUUUUGUUUACAG
139	cel-mir-4923b	-	-	-	AACGGCGGCAAUUUGUUUACAG	ACGGCGG	- / - / - / -	GUAAGCAAAUUCCCGUCAUUUUCUGGAAAUAUUUUGAAACGGCGGCAAUUUGUUUACAG
140	cel-mir-4924	GUAAGUAUCAUCAAUAUUAAUA	UAAGUAU	- / - / - / -	-	-	-	GUAAGUAUCAUCAAUAUUAAUAAUUGAUAAUUAUUAGUAUUGGAUAAACUUAAG
141	cel-mir-4925	-	-	-	UUUCGAAAACAUUGCAUUUACAG	UUCGAAA	- / - / - / -	GUAAGUGCAUAUGUUUCAAAAACUUGUUCAAAUUGUUUUCGAAAACAUUGCAUUUACAG
142	cel-mir-4926	GUAGGAGUGAAUUUUGAUUUU	UAGGAGU	- / - / - / -	-	-	-	GUAGGAGUGAAUUUUGAUUUUUUAUAUGUAAAUUUAAAAUUUAUUCUUACAG
143	cel-mir-4927	GUGGGUUUUUUCAAAAUUUUUU	UGGGUUU	- / - / - / -	-	-	-	GUGGGUUUUUUCAAAAUUUUUUAAUAAAUAAAAAAAUUUGGAAAAAAGUUCCAG
144	cel-mir-4929	-	-	-	AAUGCACCACAUCUUACGCUCA	AUGCACC	- / - / - / +	UAAAAUAUUUUAAUUCAUUAAAUAAAUUUGCGCGUAAGAUAAAAUGCACUGCACACAAAUGCACACAAUGCACCACAUCUUACGCUCAAAUUUUCUUUAAUUAAUUUUCA
145	cel-mir-4930	GGCUGCCUAGGGGGCUGGCUAG	GCUGCCU	- / - / + / -	-	-	-	GUCUGCCUAGGGGGCUGGCUAGGGGCUGGCUAGGGCUGGCUAGGGGCUGGCUGCCUAGGGGCUGGCUAGGGCUGGCUAGGGGCUGGCUAGGGUAGGCUU
146	cel-mir-4931	-	-	-	UCGCUGAUUGGUUGAGCAGU	CGCUGAU	+ / - / - / -	GAAUUUUGCUCGCGCCAAAAUGAGAACUACACGACCAAUCAGUGAUGUGCUCCACCCAAUAUUGAACCAAUCGCUGAUUGGUUGAGCAGUUCAUUUUGGGUGG
147	cel-mir-4932	GGGGAUCAACGAAAAGGGGAUC	GGGAUCA	- / - / - / -	-	-	-	GUGCAAAAAGGGAUCUGGGAAGGGGGGAUCAACGAAAAGGGGAUCUGGCACAGUGCCAGAUCUCCUUUCGUGGGGCCUCAUAAAUUUUUGAUCUUUUUAAAUUGUGAC
148	cel-mir-4933	UGGCAGUGACCUAUUCUGGCCA	GGCAGUG	+ / + / + / +	-	-	-	CUCGUGAGCUUGCCAGAAUCGGUGGCAGUGACCUAUUCUGGCCAGAUCUAGCCAGGUUGGGUCGCUGCCACCAAUUCUGGCCAGAUCUAGCCAGGUUGGGACGCUGCCAC
149	cel-mir-4934	-	-	-	UGCCGAGCUUCUGUCUAGAUG	GCCGAGC	- / - / - / -	AUUUAAUUCUAAAAAUCAUUUCUGACUGUUGGCCUCUUCAUUUUCGAAUUCCGCGGCAAAAAAGCAUGGCCGAGCUUCUGUCUAGAUGCUGCGUCAUUUUGUGAUAGCU
150	cel-mir-4935	GCCGGCGAGAGAGGUGGAGAGCG	CCGGCGA	- / + / - / -	-	-	-	AGUUACGGCGGGUUUUGCAAGCGCCGGCGAGAGAGGUGGAGAGCGCAGAGAAAGCAGUCGCGCUAGCUGUCGGCGCCCUCCACUCUCGCCGCGGCUGACAAAUACGCU
151	cel-mir-4936	UAAGCAUUUAAGGCUACAAUGUAA	AAGCAUU	- / - / - / -	UGCUUUGUGGCUUUGCUGGUA	GCUUUGU	- / - / - / -	UAUACGCUAUCGAGUAAAUAAGCAUUUAAGGCUACAAUGUAAUGGCUACAAUGUAUACGCCUCUCAAAAUACGUUCAUACAUUGCUUUGUGGCUUUGCUGGUAACUCUUUUGCCUUUCACGCAAC
152	cel-mir-4937	CUGGGUAGAGGUUGGGCGGUGGA	UGGGUAG	- / + / - / -	CGAGGUUCGAACCCCCGGGG	GAGGUUC	- / - / - / -	GAUUUUGGGCGCAGUGGCGCAACUGGGUAGAGGUUGGGCGGUGGAUCGCAGGUCCGAGGUUCGAACCCCCGGGGUAAAUAUUUUUGUUUUGAUGAUAUUGACUUUAU
153	cel-mir-4938	AUCAUCAUGCAUCAUCAGCAGUC	UCAUCAU	- / - / - / -	-	-	-	UCCGUAUUGCUGCCACAUUGACAUCAUCAUGCAUCAUCAGCAGUCGCAGACCUGAAAUGAUAAAUGUUGUGUCAAAAUAUUAUUGCAACCGACGAAUAAUUUAA
154	cel-mir-50	UGAUAUGUCUGGUAUUCUUGGGUU	GAUAUGU	+ / + / + / +	CCCGCAUAUUAGACGUAUCGAC	CCGCAUA	- / - / - / -	CUGCCGCCGGCGCUGAUAUGUCUGGUAUUCUUGGGUUUGAACUUCCAGCGUGAACCCGCAUAUUAGACGUAUCGACGGCCGGCGGGGCAGGUAAUG
155	cel-mir-51	UACCCGUAGCUCCUAUCCAUGUU	ACCCGUA	+ / + / + / +	CAUGGAAGCAGGUACAGGUGCA	AUGGAAG	- / - / - / -	GUCGAAAAGUCCGUCUACCCGUAGCUCCUAUCCAUGUUCAUCUGGUCAAAAAGUGCAUGGAAGCAGGUACAGGUGCACGGCGAGUAGGGUCAUGAAGCU
156	cel-mir-52	CACCCGUACAUAUGUUUCCGUGCU	ACCCGUA	+ / + / + / +	CACGUUACAAUGAAAGGGUAGC	ACGUUAC	+ / + / - / -	UCCAACUCUAACAGUCCACCCGUACAUAUGUUUCCGUGCUUGACAGCGAAGCUCAAUCACGUUACAAUGAAAGGGUAGCCGGUUAUUGAAGUUGGGUCUU
157	cel-mir-53	CACCCGUACAUUUGUUUCCGUGCU	ACCCGUA	+ / + / + / +	CACGGCACAAUAUAUUGGGUCGC	ACGGCAC	- / - / - / -	CCGAUUCUGACAGUCCACCCGUACAUUUGUUUCCGUGCUUGACUCAAAGCUCAAUCACGGCACAAUAUAUUGGGUCGCCAGUCAUUGUAGCUGGAAUUU
158	cel-mir-54	AGGAUAUGAGACGACGAGAACA	GGAUAUG	- / - / - / +	UACCCGUAAUCUUCAUAAUCCGAG	ACCCGUA	+ / + / + / +	GUGAGUCGCGCUCUGACUAGGAUAUGAGACGACGAGAACAAUUGCUUUUUUAAAAGACUUGUACCCGUAAUCUUCAUAAUCCGAGUCAGGGCUAGCUGAC
159	cel-mir-55	CGGCAGAAACUAUCGGUUAUA	GGCAGAA	+ / - / - / -	UACCCGUAUAAGUUUCUGCUGAG	ACCCGUA	+ / + / + / +	AGAUUUGGAACUUAUUGGACUCGGCAGAAACUAUCGGUUAUACUUUUGGAUAUGCUAUACCCGUAUAAGUUUCUGCUGAGCCCUUAUUCCUGUU
160	cel-mir-5545	GCCGGUUUGAUCUACAAAAAAUGC	CCGGUUU	- / - / - / -	ACUUUUGUAGAUCAAACCGACAU	CUUUUGU	- / - / - / -	GGUGAGGGGUGUGUCCCAUGCCGGUUUGAUCUACAAAAAAUGCGGGAGCAUAGAAAAAUCCCGCACUUUUGUAGAUCAAACCGACAUGGGACAACCUGACACUGUGUUCA
161	cel-mir-5546	ACCCUUUCGCCAAUUUUUUUCGU	CCCUUUC	- / - / - / -	GAAAAAUUGCGCGCAUGGUUGG	AAAAAUU	+ / + / - / -	AGCUAAAUAAUUGCAUUUUCGCAACCCUUUCGCCAAUUUUUUUCGUGAAAAAACGUGUAAUUUUACGAAAAAUUGCGCGCAUGGUUGGCGAAAACGCAUUAACCGCACGG
162	cel-mir-5547	CAACUUUUAGACCAAUAGGCAU	AACUUUU	- / - / - / -	GCCUAUCGGCCUAAAAGUUGUC	CCUAUCG	- / - / - / -	CUGCGGAAUUUUGUUGAUUGAGACAACUUUUAGACCAAUAGGCAUCCAAAAUGAUCAAAAUUGGAUGGCCUAUCGGCCUAAAAGUUGUCUCAAUCAACGAAUGAGAAUAA
163	cel-mir-5548	GCCUUCUCACUCUCCACGGCGGUAGG	CCUUCUC	- / - / - / +	AGCCCUGUGGAUUGGAGAAGGAGA	GCCCUGU	- / - / - / +	GUUCCAUCCUUGACCGCCGAACUGGCCUUCUCACUCUCCACGGCGGUAGGCAAGCCCUGGUGGAUUGGAGAAGGAGAAGGCCCCACAGGAUGUCCCGAAA
164	cel-mir-5549	CUUGUGAAAUUAACGUGAGU	UUGUGAA	- / - / - / -	UCAUGUUGGUUUUUUGUUGGU	CAUGUUG	+ / - / - / -	ACGAGAGGGGGAGAGAUUUUUUUGGGCCUUGUGAAAUUAACGUGAGUUUUCUGGUCAUCUGACUAAUCAUGUUGGUUUUUUGUUGGUUUAUUUUGUUUUUAUCUUUGUUU
165	cel-mir-5550	CCCCGCCCAAGAUUUCAUUUGC	CCCGCCC	- / - / - / -	AAAUGAAAUCGUGGGCGGGUCU	AAUGAAA	- / - / - / -	UGACACUCCACCGUUUCUAAACCCCGCCCAAGAUUUCAUUUGCACUGAAAUGUGUCGGCCGCAGUGCAAAUGAAAUCGUGGGCGGGUCUCAGAAACAGCGGAGUGUCGUUG
166	cel-mir-5551	UGUAAAUGGUUGGAAUCUGGUAU	GUAAAUG	- / - / - / -	ACCAAUUUCUUACCAUUAGCAUC	CCAAUUU	- / - / - / -	UUAAUUAUUUUUGGAGUGGAGCUGUAAAUGGUUGGAAUCUGGUAUAAUGGCUUCGAGACUUUUUAUACCAAUUUCUUACCAUUAGCAUCUACACUUUCAAAUCUAAAUC
167	cel-mir-5552	UGUAGUUUGUAGUCUAGCAGACC	GUAGUUU	+ / + / - / +	UCUGCCAGACUACAAACCACACA	CUGCCAG	- / - / + / -	GGUCUGCUAAUUAUUUUGUAGUUUGUAGUCUAGCAGACCAAUACCAAAAGCUUUGGGUCUGCCAGACUACAAACCACACAAAUCAUCUAGCAGACCCUUUUUUUUUUUUUU
168	cel-mir-5553	UUGCCACGCGCCAUCCAUUGAUU	UGCCACG	- / - / - / -	UCAAUGGGUAGCACGUGGCAAGA	CAAUGGG	- / - / - / -	AAGGGUCGCAUUUAUACGAAAUGGUCUUGCCACGCGCCAUCCAUUGAUUUUUAAAUCUUUUUUAUCAAUGGGUAGCACGUGGCAAGACUAUUUUGCAUAAACAAACCCU
169	cel-mir-5592-1	CGGCCCUUACCGUUUAAUACAUG	GGCCCUU	- / - / - / -	UGUAUUAAACGGUAAGGGCCGGC	GUAUUAA	- / - / - / -	CGGCCCUUACCGUUUAAUACAUGUUCCGGUCGAUGCACCAUGUAUUAAACGGUAAGGGCCGGC
170	cel-mir-5592-2	CGGCCCUUACCGUUUAAUACAUG	GGCCCUU	- / - / - / -	UGUAUUAAACGGUAAGGGCCGGC	GUAUUAA	- / - / - / -	CGGCCCUUACCGUUUAAUACAUGGUGCAUCGACCGGGAACAUGUAUUAAACGGUAAGGGCCGGC
171	cel-mir-5593-1	GAUGGCUGGAAUAUCGGUAUUC	AUGGCUG	- / - / - / -	AUACCGCAUUCCAACCAACAA	UACCGCA	- / - / - / -	GAUGGCUGGAAUAUCGGUAUUCUCGGCUGAAACAUGCACUAAAUACCGCAUUCCAACCAACAA
172	cel-mir-5593-2	GAUGGCUGGAAUAUCGGUAUUC	AUGGCUG	- / - / - / -	AUACCGCAUUCCAACCAACAA	UACCGCA	- / - / - / -	GAUGGCUGGAAUAUCGGUAUUCUCGGCUGAAACAUGCACUAAAUACCGCAUUCCAACCAACAA
173	cel-mir-5594	AAGAGUACUGUAGUUUCAAAAU	AGAGUAC	- / + / - / -	UUUGAACUACAGUACUCUUCA	UUGAACU	- / - / - / -	AAGAGUACUGUAGUUUCAAAAUUUCAUUGAUUAAAAUUUUGAACUACAGUACUCUUCA
174	cel-mir-5595	UCUCUUUUUUCUCGCAUGCCAUCU	CUCUUUU	- / - / - / +	AGAGCGUGUGGAGAAGAGAGACG	GAGCGUG	- / + / - / -	UCUCUUUUUUCUCGCAUGCCAUCUCAAAACAUCGAUGGCGAGAGAGCGUGUGGAGAAGAGAGACG
175	cel-mir-56	UGGCGGAUCCAUUUUGGGUUGUA	GGCGGAU	- / + / - / -	UACCCGUAAUGUUUCCGCUGAG	ACCCGUA	+ / + / + / +	GAGCAGUGUCUGUUCUUGGCGGAUCCAUUUUGGGUUGUACCUCAUCCUAAAUUUGACGGUACCCGUAAUGUUUCCGCUGAGAACCGACUGUGCACC
176	cel-mir-57	UACCCUGUAGAUCGAGCUGUGUGU	ACCCUGU	+ / + / + / +	ACGAGCUAGACUACAAGGUGCA	CGAGCUA	- / - / - / -	AUCGACAUGCUCGUCUACCCUGUAGAUCGAGCUGUGUGUUUGAAACAAUCAUACACGAGCUAGACUACAAGGUGCACGAACAAACCGAAGAUUUAUGAA
177	cel-mir-58	UGCCCUACUCUUCGCAUCUCA	GCCCUAC	+ / - / - / -	UGAGAUCGUUCAGUACGGCAAU	GAGAUCG	+ / + / + / -	GCUCGUCAUAUCCAUUGCCCUACUCUUCGCAUCUCAUCUCAUCCAAUACCUGUCCAAUACCAUAGGGAUGAGAUCGUUCAGUACGGCAAUGGACUGAGCUAGAGU
178	cel-mir-59	UCGUCCUGAAAACGAAACGGAA	CGUCCUG	- / + / - / +	UCGAAUCGUUUAUCAGGAUGAUG	CGAAUCG	+ / - / - / -	AGUUGAUCUAGAUAUGACAUCGUCCUGAAAACGAAACGGAACAAAAGUUCAAGAUAUUGAUUUCGAAUCGUUUAUCAGGAUGAUGUGAUAAAAUCAACU
179	cel-mir-60	AACUGGAAGAGUGCCAUAAAAU	ACUGGAA	- / - / - / -	UAUUAUGCACAUUUUCUAGUUCA	AUUAUGC	+ / + / + / -	CUCGAAAACCGCUUGUUCUUGAACUGGAAGAGUGCCAUAAAAUCAUGACAAAGUACGUGAUAUUAUGCACAUUUUCUAGUUCAAGACUUGAGAAAUCG
180	cel-mir-61	UGGGUUACGGGGCUUAGUCC	GGGUUAC	- / - / - / -	UGACUAGAACCGUUACUCAUC	GACUAGA	+ / + / + / +	UUCCAUUAUCGCUGAACCUCGAGAUGGGUUACGGGGCUUAGUCCUUCCUCCGUAUGGCAUGACUAGAACCGUUACUCAUCUCGAGGUUUCGGUGAU
181	cel-mir-62	GUGAGUUAGAUCUCAUAUCCUU	UGAGUUA	+ / - / - / -	UGAUAUGUAAUCUAGCUUACAG	GAUAUGU	+ / + / + / +	GUGAGUUAGAUCUCAUAUCCUUCCGCAAAAUGGAAAUGAUAUGUAAUCUAGCUUACAG
182	cel-mir-63	UCUAACUCGUCGGUAGUCA	CUAACUC	+ / - / - / -	UAUGACACUGAAGCGAGUUGGAAA	AUGACAC	+ / - / - / +	UCAACAAGCAGACACAAUUUCUAACUCGUCGGUAGUCAUCGUUCUAGCUGAAAAGGACACUAUGACACUGAAGCGAGUUGGAAAUAGUGGUUCUACUUGAGCAA
183	cel-mir-64	UAUGACACUGAAGCGUUACCGAA	AUGACAC	+ / - / - / +	GUGCAACGAUCAGUGGCAUGC	UGCAACG	- / - / - / -	CUCCCCGCUGACCUCGCCGAAUAUGACACUGAAGCGUUACCGAACCGUUUUCCCACACCUGGAUUCGGUGCAACGAUCAGUGGCAUGCUCGGCUAGCGCCAGUUAAGUAU
184	cel-mir-65	UAUGACACUGAAGCGUAACCGAA	AUGACAC	+ / - / - / +	CUGCUACGCGCAGUGCCAUGC	UGCUACG	- / - / - / -	AUGGAGCCUUCGCCGAUUAUGACACUGAAGCGUAACCGAACACCAUAUUUGAGAUUCUGCUACGCGCAGUGCCAUGCUCGGCGCGUUGGCUCCAUUAAA
185	cel-mir-66	CAUGACACUGAUUAGGGAUGUGA	AUGACAC	+ / - / - / +	AAAUUCCUAACGGUGUCAAAC	AAUUCCU	- / - / - / -	CCACAAAAAUGCCAUACAUGACACUGAUUAGGGAUGUGAAGAAUGAGGUUAGAUCCCGAUCAAAUUCCUAACGGUGUCAAACAUGGCGUAUGUGGUUGUAG
186	cel-mir-67	CGCUCAUUCUGCCGGUUGUUAUG	GCUCAUU	- / - / - / +	UCACAACCUCCUAGAAAGAGUAGA	CACAACC	+ / + / + / -	GAUCAAAGAUUCGUCGAUCCGCUCAUUCUGCCGGUUGUUAUGCUAUUAUCAGAUUAAGCAUCACAACCUCCUAGAAAGAGUAGAUCGAUUUUAAAACUU
187	cel-mir-70	CGAAAUACUAUCGACGAAUAACA	GAAAUAC	- / - / - / -	UAAUACGUCGUUGGUGUUUCCAU	AAUACGU	+ / + / - / -	UCAAAAUAAAACGAUGAAAACUAUCGAAAUACUAUCGACGAAUAACACUUAUGAAGAAAUGUAAUACGUCGUUGGUGUUUCCAUAGUUUGAAUUGUUUAU
188	cel-mir-71	UGAAAGACAUGGGUAGUGAGACG	GAAAGAC	+ / + / + / -	UAUCACUAUCUGUUUUUCGC	AUCACUA	- / - / - / +	GUCUGCUCUGAACGAUGAAAGACAUGGGUAGUGAGACGUCGGAGCCUCGUCGUAUCACUAUCUGUUUUUCGCCGUCGGGAUCGUGACCUGGAA
189	cel-mir-72	AGGCAAGAUGUUGGCAUAGCUGA	GGCAAGA	+ / + / + / +	AGCUUCGCCACAUUCUGCCACG	GCUUCGC	- / - / - / -	AGGUCCCGUCAGAGCUAGGCAAGAUGUUGGCAUAGCUGAAUGAUCGCUAUAACAACUAUCAGCUUCGCCACAUUCUGCCACGCACUGAUGUGAGGACCU
190	cel-mir-73	UGGACUUCCAUAUCGAGCCACAGC	GGACUUC	+ / - / - / -	UGGCAAGAUGUAGGCAGUUCAGU	GGCAAGA	+ / + / + / +	CAGUGAGAGUCCCACACACGACUGGACUUCCAUAUCGAGCCACAGCUAUCAACGAAUUUGCUGGCAAGAUGUAGGCAGUUCAGUGUGCGUUUAUGGAG
191	cel-mir-74	CGGGCUUCCAUCUCUUUCCCAGC	GGGCUUC	- / - / - / -	UGGCAAGAAAUGGCAGUCUACA	GGCAAGA	+ / + / + / +	AAAUGGUUCAAAAACGUUCGGGCUUCCAUCUCUUUCCCAGCCUACAUCUCAACCUGGGCUGGCAAGAAAUGGCAGUCUACACGUUUUUCAACCAAA
192	cel-mir-75	CAGUCGGUUGCAAGCUUAAAUA	AGUCGGU	- / - / - / -	UUAAAGCUACCAACCGGCUUCA	UAAAGCU	+ / + / + / +	UUCUUGUUGCUUUGAAGUAAUUGCAGUCGGUUGCAAGCUUAAAUACAAUCCGAAUUGUUAUUAAAGCUACCAACCGGCUUCAAGUCUGAAAGAGCAG
193	cel-mir-76	UGGGCUUCACAAUAGUCGAAUA	GGGCUUC	- / - / - / -	UUCGUUGUUGAUGAAGCCUUGA	UCGUUGU	+ / + / + / -	AUUUCAGCUCCUGUCUGGGCUUCACAAUAGUCGAAUACUUAAAUUUCAAAAUUUGGAUAUUCGUUGUUGAUGAAGCCUUGAUGGGGGGUGAGAAAGA
194	cel-mir-77	GAUGGUUGUGCUCUGAGGAAAU	AUGGUUG	- / - / - / -	UUCAUCAGGCCAUAGCUGUCCA	UCAUCAG	+ / - / - / -	GCAUCUGCCAAACCGCCCGAUGGUUGUGCUCUGAGGAAAUACGCACAGAAUGUCAUUUCAUCAGGCCAUAGCUGUCCAAAUUGGUAUAGAGUUUG
195	cel-mir-78	AAAAUAACUAGAUUUAUUU	AAAUAAC	- / - / - / -	UGGAGGCCUGGUUGUUUGUGC	GGAGGCC	- / - / - / +	AAUAAAAUAUAUUGUUUCAUAGUGUCCGUAAAAUAACUAGAUUUAUUUUGUAAAAACUAUUGGAGGCCUGGUUGUUUGUGCUGGAAUGUUUCGAGA
196	cel-mir-784	UGGCACAAUCUGCGUACGUAGA	GGCACAA	+ / - / - / -	UAUGUACAAAUGUGCGCUGCC	AUGUACA	- / + / - / -	UUCGACGUCCACGUGGCACAAUCUGCGUACGUAGAAAGUAUCAAAAGUCACUUCUAUGUACAAAUGUGCGCUGCCUGGCACAGUGAA
197	cel-mir-785	AGCACAGAAUUUUUCGCUAAC	GCACAGA	- / - / - / -	UAAGUGAAUGUUUUGUGUAGA	AAGUGAA	- / - / - / +	GCUCUUUUUCUCACCCAUCAGCACAGAAUUUUUCGCUAACAGAACCUCAAAACAAUGUAAGUGAAUGUUUUGUGUAGAUGGUGGAAAUGAGC
198	cel-mir-786	CGAAUAUCAGUUGGGGUAUUUAC	GAAUAUC	+ / - / - / -	UAAUGCCCUGAAUGAUGUUCAAU	AAUGCCC	+ / + / + / +	GGGAUAGUUCCCGAUCGAAUAUCAGUUGGGGUAUUUACAAAAGACAAAAUUGUAAUGCCCUGAAUGAUGUUCAAUCGGUGAUGAAUCUC
199	cel-mir-787	AAAGAUACAUACGAUCUUACA	AAGAUAC	- / - / - / -	UAAGCUCGUUUUAGUAUCUUUCG	AAGCUCG	+ / + / - / +	GAUGUAUCAGUGGACGAAAGAUACAUACGAUCUUACAUCUUCAAAAUGGUAUGUAAGCUCGUUUUAGUAUCUUUCGUCUCUGAUCACAUU
200	cel-mir-788	UCCGCUUCUAACUUCCAUUUGCAG	CCGCUUC	- / - / - / -	GGAAAUGGAUUAGAAUCGUGGAA	GAAAUGG	- / - / - / -	GCUCACUUUCCGCUUCUAACUUCCAUUUGCAGAGUUCAAGUAAUCUGGAAAUGGAUUAGAAUCGUGGAAAAGUUAGU
201	cel-mir-789-1	AAUUGAUGACCCAGACAAGGACU	AUUGAUG	- / - / - / -	UCCCUGCCUGGGUCACCAAUUGU	CCUGCC	- / - / - / +	UGUCCUGAAGGCAGGCAAUUGAUGACCCAGACAAGGACUAAUCAAGAUUGUCGAUCUAGUCCCUGCCUGGGUCACCAAUUGUCGGCCCCCGCGGGCA
202	cel-mir-789-2	AAUUGAUGACUCAGGCAGGGACU	AUUGAUG	- / - / - / -	UCCCUGCCUGGGUCACCAAUUGU	CCCUGCC	- / - / - / +	UGUCCUGAAGGCGGACAAUUGAUGACUCAGGCAGGGACUAAUCAUGAUUGUCGAUUUAGUCCCUGCCUGGGUCACCAAUUGUCGGCCCCCGCGGACA
203	cel-mir-79	CUUUGGUGAUUCAGCUUCAAUGA	UUUGGUG	+ / + / - / -	AUAAAGCUAGGUUACCAAAGCU	UAAAGCU	+ / + / + / +	UAGUAGACAUUCUCCGAUCUUUGGUGAUUCAGCUUCAAUGAUUGGCUACAGGUUUCUUUCAUAAAGCUAGGUUACCAAAGCUCGGCGUCUUGAUCUAC
204	cel-mir-790	CUUGGCACUCGCGAACACCGCG	UUGGCAC	+ / + / + / +	CGGCGUUAGCUCUGUGUCAAACC	GGCGUUA	- / - / - / -	GCCGGCUUGGCACUCGCGAACACCGCGAUUUCACUUAUAACUCGCGGCGUUAGCUCUGUGUCAAACCGGC
205	cel-mir-791	ACCUUACCGUUGUAGCCAAAGU	CCUUACC	- / - / - / +	UUUGGCACUCCGCAGAUAAGGCAA	UUGGCAC	+ / + / + / +	GAACCUUCGAUUACCUUACCGUUGUAGCCAAAGUUCAACGAAGCGGCAACUUUGGCACUCCGCAGAUAAGGCAAUCGAUUGUUU
206	cel-mir-792	UUGAGAGUUCAAAAGAUUUAGCAAUU	GAGAGUU	- / - / - / -	UUGAAAUCUCUUCAACUUUCAGA	UGAAAUC	- / - / - / +	AAGUUGGUCAACGUUUGAGAGUUCAAAAGAUUUAGCAAUUUUUAUACGAGUGAAAUUGAAAUCUCUUCAACUUUCAGACGUUUUCUGAUUU
207	cel-mir-793	UGUUUACUAUUGUACUCACAAU	GUUUAAC	- / - / - / -	UGAGGUAUCUUAGUUAGACAGA	GAGGUAU	- / - / - / -	UGGUUGGUAAAAAGUCUGUUUAACUAUUGUACUCACAAUUUUCACUGCGAAAAAUUGAGGUAUCUUAGUUAGACAGACAUAUACUACAACCA
208	cel-mir-794	UGAGGUAAUCAUCGUUGUCACU	GAGGUAA	- / + / - / -	UGAAAACGUUGUCUAUCUCGAA	GAAAACG	- / - / - / -	CUGAGCGUGUCUCUUGAGGUAAUCAUCGUUGUCACUUCGCAAAGUUGGAAUGAAAACGUUGUCUAUCUCGAAGGCUUAUCAG
209	cel-mir-795	UGAGGUAGAUUGAUCAGCGAGCUU	GAGGUAG	+ / + / + / +	AAUCGUGAUCAGUAUACUUCGUC	AUCGUGA	- / - / - / -	GAACGUUACCUGCUGAGGUAGAUUGAUCAGCGAGCUUGAUACCCCGUUCAAAAUCGUGAUCAGUAUACUUCGUCAGGCAGCUUGUUUU
210	cel-mir-796	UGGAAUGUAGUUGAGGUUAGUAA	GGAAUGU	+ / + / + / +	ACAAACCUUGCCACGUUCCGAC	CAAACCU	- / - / - / -	ACUCUAAUGACAAGCUGGAAUGUAGUUGAGGUUAGUAAAGCACAUACUUGUACAAACCUUGCCACGUUCCGACUUGUCAAAAGAGU
211	cel-mir-797	UAUCACAGCAAUCACAAUGAGAAGA	AUCACAG	+ / + / + / -	UUUUCAUUGGUUUCUGUGAAAU	UUUCAUU	- / + / - / -	CGUCCAAUGGACGAUAUCACAGCAAUCACAAUGAGAAGAAUACAUCUAGAUACUCUUUUCAUUGGUUUCUGUGAAAUCGUAUUUGAAUG
212	cel-mir-798	-	-	-	UAAGCCUUACAUAUUGACUGA	AAGCCUU	- / - / - / -	UACUGUUUCAUGUAGGUGUUAAAGUUUGGAUUGUACAAGAAGUUAGUUUUCUGUUAAGCCUUACAUAUUGACUGAGCAGUA
213	cel-mir-799	ACCGGUUUUAAAAAGUGGUUUCACA	CCGGUUU	- / - / - / -	UGAACCCUGAUAAAGCUAGUGG	GAACCCU	- / - / - / -	GUUUUUCAAUUUUUUUCACCGGUUUUAAAAAGUGGUUUCACAUUCAAUAAAGACAUGUGAACCCUGAUAAAGCUAGUGGAAAUAUCGGAAAAC
214	cel-mir-80	AGCUUUCGACAUGAUUCUGAAC	GCUUUCG	+ / - / - / -	UGAGAUCAUUAGUUGAAAGCCGA	GAGAUCA	+ / + / + / -	AUGGACACUCGUUCGCUCAGCUUUCGACAUGAUUCUGAACUCAAUCCGCAAGCCAUGUUGAGAUCAUUAGUUGAAAGCCGAAUGAUCAGAGAUAUC
215	cel-mir-800	UGACAAUUCCGAGUUAGGC	GACAAUU	- / - / - / -	GCCAACUCGGAAAUUGUCUGC	CCAACUC	- / + / - / -	ACGGCGGCUGACAAUUCCGAGUUAGGCCACUCUUAUAAUCAGUGGCCAACUCGGAAAUUGUCUGCCGCCGU
216	cel-mir-81	CGGUUUUCACCGUGAUCUGAGA	GGUUUUC	+ / - / - / +	UGAGAUCAUCGUGAAAGCUAGU	GAGAUCA	+ / + / + / -	AUCAGUGCCAUCGUGCCCAACAGUCGGUUUUCACCGUGAUCUGAGAGCAAUCCAAAAAUGCUUUUUCUGAGAUCAUCGUGAAAGCUAGUUGUUGGUCUACGGGCUUUUG
217	cel-mir-82	CGGUUUUCUCUGUGAUCUACAGA	GGUUUUC	+ / - / - / +	UGAGAUCAUCGUGAAAGCCAGU	GAGAUCA	+ / + / + / -	GAAAUAGGUUCUUUUAGCAACCGGUUUUCUCUGUGAUCUACAGAUGACAGCUAAUCGUCUGAGAUCAUCGUGAAAGCCAGUUGUUUUUAUGAACUC
218	cel-mir-83	ACUGAAUUUAUGUGUGUACUUGA	CUGAAUU	+ / + / - / +	UAGCACCAUAUAAAUUCAGUAA	AGCACCA	+ / + / + / +	AGCACCACUCGGAACCACUGAAUUUAUGUGUGUACUUGACUGACGGCCAACAAGAGCAUCGAUCUAGCACCAUAUAAAUUCAGUAAUCUGUCGCGAGAGCU
219	cel-mir-84	UGAGGUAGUAUGUAAUAUUGUAGA	GAGGUAG	+ / + / + / +	CACAAUGUUUCAACUAACUCGGC	ACAAUGU	- / - / - / -	GUGGCAUCUGAGGUAGUAUGUAAUAUUGUAGACUGUCUAUAAUGUCCACAAUGUUUCAACUAACUCGGCUGUCU
220	cel-mir-85	CCGAUUUUUCAAUAGUUUGAAAC	CGAUUUU	- / - / - / -	UACAAAGUAUUUGAAAAGUCGUGC	ACAAAGU	- / + / - / -	UAUAGAAUUUUUGGCGUCGGAGCCCGAUUUUUCAAUAGUUUGAAACCAGUGUACAUAAAAUGGUUACAAAGUAUUUGAAAAGUCGUGCUCUGAAAAUGAAUUCUUA
221	cel-mir-86	UAAGUGAAUGCUUUGCCACAGUC	AAGUGAA	- / - / - / -	CUGGGCUCAGAUUCGCUUAGGC	UGGGCUC	- / - / - / +	CGUGUCCACGCCGUCUAAGUGAAUGCUUUGCCACAGUCUUGAUGUUCUGAAAUGAAGCCUGGGCUCAGAUUCGCUUAGGCCGGAGUUUGACACGGCA
222	cel-mir-87	CGCCUGAUACUUUCGUCUCAACCU	GCCUGAU	- / - / - / -	GUGAGCAAAGUUUCAGGUGUGC	UGAGCAA	+ / + / + / -	GGUUGUGCCAUCCGGCCGCCUGAUACUUUCGUCUCAACCUCGCUGUCAGAUUGGUCGUAGGUGAGCAAAGUUUCAGGUGUGCCGGACACACCC
223	cel-mir-90	CGGCUUUCAACGACGAUAUCAAC	GGCUUUC	- / - / - / +	UGAUAUGUUGUUUGAAUGCCCCU	GAUAUGU	+ / + / + / +	GGGCGCCAUUUCGAGCGGCUUUCAACGACGAUAUCAACCGACAACUCACACUUUUGCGUGUUGAUAUGUUGUUUGAAUGCCCCUUGAAUUGGAUGCCA

* Nematoda/Arthropoda/Lophotrochozoa/Vertebrata

Table B.2.2: miRNA gene annotations in *P. pacificus*.

		5' arm			3' arm			
Nr	ID	Sequence	Seed (2-8)	Seed conservation profile*	Sequence	Seed (2-8)	Seed conservation profile*	Precursor
1	ppc-let-7	UGAGGUAGUAGGUUGUAUAGUU	GAGGUAG	+ / + / + / +	CUGUACAACCUGUCUAGCUUGCC	UGUACAA	- / - / - / +	UGAGGUAGUAGGUUGUAUAGUUCGGAAUAAUACCAACUGUAUCAAUUGGUGAAACUGUACAACCUGUCUAGCUUGCC
2	ppc-lin-4	UCCCUGAGACCUCAAUUGUG	CCCUGAG	+ / + / + / +	ACGGUUUGAGCUCUCAUGGCAC	CGGUUUG	+ / - / - / -	UCCCUGAGACCUCAAUUGUGAUGAGAUACGAGUCAGUCACGGUUUGAGCUCUCAUGGCAC
3	ppc-mir-1	CCGUACUUCUUUGCAGCCCCAUA	CGUACUU	- / - / - / -	UGGAAUGUAAAGAAGUAUGUAA	GGAAUGU	+ / + / + / +	CCGUACUUCUUUGCAGCCCCAUACUUGCCCGCAUGAAGUGGUUAUGGAAUGUAAAGAAGUAUGUAA
4	ppc-mir-2	CCGGCAGUUCUGCGCGUGAUGC	CGGCAGU	- / - / - / -	UAUCACAGCCGGACUGCUGAUC	AUCACAG	+ / + / + / -	CCGGCAGUUCUGCGCGUGAUGCGUGGUAGUUAUAAGCAUCCGUAUCACAGCCGGACUGCUGAUC
5	ppc-mir-124	CGCUUUCACCGGUGACUUUAGU	GCUUUCA	+ / - / - / -	UAAGGCACGCGGUGAAUGCC	AAGGCAC	+ / + / + / +	CGCUUUCACCGGUGACUUUAGUGCUUUGUCACAGAGAGAACUAAGGCACGCGGUGAAUGCC
6	ppc-mir-2232-1	ACGGUUCCCUGGUGGCAUGGU	CGGUUCC	- / - / - / -	UAUGACACCUGGGCGAACUGUCC	AUGACAC	+ / - / - / +	ACGGUUCCCUGGUGGCAUGGUCGAUACUAAUGAGCGAACUAUGACACCUGGGCGAACUGUCC
7	ppc-mir-2232-2	CGGCUCGCCAUGGUCGCCAUUGA	GGCUCGC	- / - / - / -	UAUGACACCUGGGCGAACUGUCC	AUGACAC	+ / - / - / +	CGGCUCGCCAUGGUCGCCAUUGACCGAUUUGAUGACGGAUCUAUGACACCUGGGCGAACUGUCC
8	ppc-mir-2233	ACGAUGACCGCUCGACGGGAGCA	CGAUGAC	- / + / - / -	CACCCGUAGUCCGUUAUCGUCU	ACCCGUA	+ / + / + / +	ACGAUGACCGCUCGACGGGAGCAUCCAUUGCGAGAUUGCACCCGUAGUCCGUUAUCGUCU
9	ppc-mir-2234a	AGGGAGACAUGACAUUUAUCACU	GGGAGAC	- / - / - / -	UGAUAUGUCAUCAUCUUCCUUU	GAUAUGU	+ / + / + / +	AGGGAGACAUGACAUUUAUCACUCGACUAUUCUAUCGACAGUGAUAUGUCAUCAUCUUCCUUU
10	ppc-mir-2234b	CGGUAGAUCCGAACAUCUCCACC	GGUAGAU	- / - / - / -	UGAUAUGUCGCGAUUUACCG	GAUAUGU	+ / + / + / +	CGGUAGAUCCGAACAUCUCCACCCUUCCAGUAAGCGGUGAUAUGUCGCGAUUUACCG
11	ppc-mir-2235-1	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACCCU
12	ppc-mir-2235-2	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACCCU
13	ppc-mir-2235-3	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACCCU
14	ppc-mir-2235-4	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACCCU
15	ppc-mir-2235-5	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCAGACCCU
16	ppc-mir-2235-6	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGAUUCGGACCCU
17	ppc-mir-2235-7	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GGGCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACCCU
18	ppc-mir-2235-8	-	-	-	UCACCGGGAGCAUUGUAUGAUC	CACCGGG	+ / + / + / +	GUCCGCUCUUGCCCGCUCAUUCAAUAUUGCCGGUUUGAACGAAAUUGAUCAGUUCACCGGGAGCAUUGUAUGAUCGGGCUUCGGACC
19	ppc-mir-2236a	UACCUGAGGUGGAUUAUUCACU	ACCUGAG	+ / - / - / -	UGAUUUAAUCCAUCUGAGGAGCC	GAUUUAA	- / - / - / -	UACCUGAGGUGGAUUAUUCACUUGAUAUUGGAACUUCAGUGAUUUAAUCCAUCUGAGGAGCC
20	ppc-mir-2236b	UCCCUGAGGUUGAUUACUCACU	CCCUGAG	+ / + / + / +	UGAGUUAAUCCACCUGAGGCACC	GAGUUAA	- / - / - / +	UCCCUGAGGUUGAUUACUCACUUUCUCUUUGAUGUUCAGUGAGUUAAUCCACCUGAGGCACC
21	ppc-mir-2237a	UACCCGUUGGUUUUCGGACAGUU	ACCCGUU	- / - / - / -	CCGUUCGGCGCUAUCGGGUGCC	CGUUCGG	- / - / - / -	UACCCGUUGGUUUUCGGACAGUUCGUGAUUGACAGCGAACCGUUCGGCGCUAUCGGGUGCC
22	ppc-mir-2237b	UACCCGUAGUUUUCGGACAGUU	ACCCGUA	+ / + / + / +	CUGCCUAGAAUAUACGGGUUCC	UGCCUAG	- / - / - / -	UACCCGUAGUUUUCGGACAGUUCGUAAAUUUUAACGCACUGCCUAGAAUAUACGGGUUCC
23	ppc-mir-2237c	UACCCGUAAUUUCUCGGACAGU	ACCCGUA	+ / + / + / +	UGUCAAGAAAUAACGGGUUCC	GUCAAGA	- / - / - / +	UACCCGUAAUUUCUCGGACAGUUAGUGUGCCGAUUCGCACUGUCAAGAAAUAACGGGUUCC
24	ppc-mir-2238a-1	UCCCUUUUCACUCAUCUCGUCAAUCG	CCCUUUU	- / - / - / +	AAUGACAGAUCAGUGCGCGAG	AUGACAG	- / - / - / -	UCCCUUUUCACUCAUCUCGUCAAUCGAUAAUUGAAUUUCGAAUGACAGAUCAGUGCGCGAG
25	ppc-mir-2238a-2	CCAUUCACUCUUCUCGUCAGUCG	CAUUCAC	- / - / - / +	AAUGACAGAUCAGUGCGCGAG	AUGACAG	- / - / - / -	CCAUUCACUCUUCUCGUCAGUCGAUGAUUGAAUAUCGAAUGACAGAUCAGUGCGCGAG
26	ppc-mir-2238a-3	CCGUUCACUCUUCUCGUCAGUCGA	CGUUCAC	+ / - / - / -	AAUGACAGAUCAGUGCGCGAG	AUGACAG	- / - / - / -	GGUAACUAGUCGAUCCUCUUUCCCGUUCACUCUUCUCGUCAGUCGAUGAUUGAAUAUCGAAUGACAGAUCAGUGCGCGAGAAGGAAGACUAGCUUCC
27	ppc-mir-2238a-4	CCAUUCACUCUUCUCGUCAGUCG	CAUUCAC	- / - / - / +	AAUGACAGAUCAGUGCGCGAG	AUGACAG	- / - / - / -	CCAUUCACUCUUCUCGUCAGUCGAUGAUUGAAUAUCGAAUGACAGAUCAGUGCGCGAG
28	ppc-mir-2238b-1	CCGUCUACUCCUUUCGUCAUUCG	CGUCUAC	- / - / - / -	AAUGACAAUCGAGUGGGUGAG	AUGACAA	- / - / - / -	CCGUCUACUCCUUUCGUCAUUCGUUGAUACGAAUACGAAUGACAAUCGAGUGGGUGAG
29	ppc-mir-2238b-2	CCGUCUACUCCUUUCGUCAUUGAU	CGUCUAC	- / - / - / -	AAUGACAAUCGAGUGGGUGAG	AUGACAA	- / - / - / -	CCGUCUACUCCUUUCGUCAUUGAUACGAAUUCGAAUGACAAUCGAGUGGGUGAG
30	ppc-mir-2238c	CCGUUCACUCUUCUCGUCAGUCGA	CGUUCAC	+ / - / - / -	AAUGACAGAACAAGUGCGCGAG	AUGACAG	- / - / - / -	UUAUGAUACCUAGUCGAUCCUCUUUCCCGUUCACUCUUCUCGUCAGUCGAUGAUGAAUUUCGAAUGACAGAACAAGUGCGCGAGAAGGAAGACUAGCUUCCGUGAU
31	ppc-mir-2238d	UCGUUCGCUCCACAUGUCAAUCG	CGUUCGC	- / - / - / -	AAUGACAAGUGCAGAUGGCGAG	AUGACAA	- / - / - / -	UCGUUCGCUCCACAUGUCAAUCGUUGAUUCGAGUACGAAUGACAAGUGCAGAUGGCGAG
32	ppc-mir-2238e	CCGUUCACUCUUCUCGUCAGUCGA	CGUUCAC	+ / - / - / -	AAUGACAGAACAGUGCGCGAG	AUGACAG	- / - / - / -	GGUACCUAGUCUUUUCUCUUUCCCGUUCACUCUUCUCGUCAGUCGAUGAUCGAAUAUAGAAUGACAGAACAGUGCGCGAGAAGGAAGACUAGCUUCC
33	ppc-mir-2239-1	AGGUCUUUCCCCCGCUGCGAUU	GGUCUUU	- / - / - / -	UGGCAGUGUAGGAAAUAUCUUA	GGCAGUG	+ / + / + / +	GCGAGACGAGAGCGAGCGUCGCCUAGGUCUUUCCCCCGCUGCGAUUCAGAAGACACGAAUGGCAGUGUAGGAAAUAUCUUACUAAAAUCGGCGAAAAGCGUGGGCGUCAGUUUGCA
34	ppc-mir-2239-2	AGGUCUUUCCCCCGCUGCGAUU	GGUCUUU	- / - / - / -	UGGCAGUGUAGGAAAUAUCUUA	GGCAGUG	+ / + / + / +	GCGAGACGAGAGCGAGCGUCGCCUAGGUCUUUCCCCCGCUGCGAUUCAGAAGACACGAAUGGCAGUGUAGGAAAUAUCUUACUAAAAUCGGCGAAAAGCGUGGGCGUCAGUUUGCA
35	ppc-mir-2240a-1	AUCUUCUGAAAUCCAGGUUUCGAUC	UCUUCUG	- / - / - / -	UCACCGGGAUUCUCAGUGGAUU	CACCGGG	+ / + / + / +	AUCUUCUGAAAUCCAGGUUUCGAUCACUAAUUGGUGUGAUCACCGGGAUUCUCAGUGGAUU
36	ppc-mir-2240a-2	AUCUUCUGAAAUCCAGGUUUCGAUC	UCUUCUG	- / - / - / -	UCACCGGGAUUCUCAGUGGAUU	CACCGGG	+ / + / + / +	AUCUUCUGAAAUCCAGGUUUCGAUCACUAAUUGGUGUGAUCACCGGGAUUCUCAGUGGAUU
37	ppc-mir-2240b	AUCUUCUGAAAUCUCUGUUUCGAUC	UCUUCUG	- / - / - / -	UCCCAGGGAUUCUCAGUAGAUUA	CCCAGGG	- / - / - / +	AUCUUCUGAAAUCUCUGUUUCGAUCACUAAUUGGAGUGAUCCCAGGGAUUCUCAGUAGAUUA
38	ppc-mir-2240c	AUCUUCUGAAAUCUCUGUUUCGAUC	UCUUCUG	- / - / - / -	UCCCAGGGAUUCUCAGUGGAUUA	CCCAGGG	- / - / - / +	AUCUUCUGAAAUCUCUGUUUCGAUCACUAAUUGGUGUGAUCCCAGGGAUUCUCAGUGGAUUA
39	ppc-mir-2241a-1	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGAUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACCGAAAUUGAGUGUUCGCAAGGAUUCCUCAAGAUCA
40	ppc-mir-2241a-2	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGAUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACAUCGAAAUUGAGUGUUCGCAAGGAUUCCUCAAGAUCA
41	ppc-mir-2241a-3	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGAUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCGCAAGGAUUCCUCAAGAUCA
42	ppc-mir-2241a-4	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGAUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCGCAAGGAUUCCUCAAGAUCA
43	ppc-mir-2241a-5	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGAUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACAUCGAAAUUGAGUGUUCGCAAGGAUUCCUCAAGAUCA
44	ppc-mir-2241b-1	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGUUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCGCAAGGUUUCCUCAAGAUCA
45	ppc-mir-2241b-2	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGUUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCGCAAGGUUUCCUCAAGAUCA
46	ppc-mir-2241b-3	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCGCAAGGUUUCCUCAAGAUCA	UCGCAAG	+ / - / - / -	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCGCAAGGUUUCCUCAAGAUCA
47	ppc-mir-2241c	AUCUUCAGGAUCCCUGUCUGAACA	UCUUCAG	- / - / - / -	UUCACAAGGUUUCCUCAAGAUCA	UCACAAG	- / - / - / +	AUCUUCAGGAUCCCUGUCUGAACACAGAAAUUGAGUGUUCACAAGGUUUCCUCAAGAUCA
48	ppc-mir-2242-1	-	-	-	UUGGAAUGAAACGAGUGAGUCAGC	UGGAAUG	- / - / - / +	CAAGUGACAUAGAAGACUGACUUGCUAGUGUUCUCACUCGCUUAUUUCAUUCCGACACAAGAAAUGUGUUGGAAUGAAACGAGUGAGUCAGCAUCACCGUCUUUGUAGUGUUCAGUUG
49	ppc-mir-2242-2	UCACUCGCUCAUUUCAUUCCGAC	CACUCGC	- / - / - / -	UUGGAAUGAAACGAGUGAGUCAGC	UGGAAUG	- / - / - / +	UCACUCGCUCAUUUCAUUCCGACACAAGAAAUGUGUUGGAAUGAAACGAGUGAGUCAGC
50	ppc-mir-2243	AUCCACAGAAAUUCGUUCUCAUC	UCCACAG	- / - / - / -	UGAUAAUGAAUUCUUUGGAUGA	GAUAAUG	- / - / - / +	GCCCUCUCGAUACGCUCCCUCAUCCACAGAAAUUCGUUCUCAUCACGAUUCGAAGUGAUGAUAAUGAAUUCUUUGGAUGAGAGCUCUUGAGUCUGC
51	ppc-mir-2244	CCGCUUACUUGGUAUUGUUGGU	CGCUUAC	- / - / - / -	UCACAAUUCCAAGUAAGCCUGC	CACAAUU	- / - / - / -	CCGCUUACUUGGUAUUGUUGGUAGCGAUGCCUUAUCACAAUUCCAAGUAAGCCUGC
52	ppc-mir-2245	AGCAUAGUUCCGCUCGUAUUUGC	GCAUAGU	- / - / - / +	AAUAUGAGUGAAAGUAUGCCAC	AUAUGAG	- / - / - / -	AGCAUAGUUCCGCUCGUAUUUGCCAUUCCGAAUAGUGCAAUAUGAGUGAAAGUAUGCCAC
53	ppc-mir-2246	UAUCACAAUAGUUUAGUUGCCGC	AUCACAA	+ / + / - / -	CCGCUCUAAACUGUUGUAAUACC	CGCUCUA	- / - / - / -	UAUCACAAUAGUUUAGUUGCCGCAUAUAAUGGAAGAUGCCGCUCUAAACUGUUGUAAUACC
54	ppc-mir-2247	UCUCCCCAUUCCUUGUGAUUGCUG	CUCCCCA	- / - / - / -	UCAUCAUAUUGAAUAGGGAGGCU	CAUCAUA	- / - / - / -	UCUCCCCAUUCCUUGUGAUUGCUGACGACUAUAUAAAGUCAUCAUAUUGAAUAGGGAGGCU
55	ppc-mir-2248	CUCCAGAACACGUCAAGAGAG	UCCAGAA	- / - / - / -	UCUCUUGACUGGUCUGGAACC	CUCUUGA	- / - / - / -	CUCCAGAACACGUCAAGAGAGACACUUCACCUCUCGGGAAGCAGCCCUCUCUCUCUCUCUUGACUGGUCUGGAACC
56	ppc-mir-2249	-	-	-	CACGAAGAUGGAAUACGCCAUG	ACGAAGA	- / - / - / -	UGUGGUGGAUUCGUAUUCCAUCUUCGUGAUCAAUUGGAGAAUCACGAAGAUGGAAUACGCCAUGCACCCAC
57	ppc-mir-2250	CCUUGUUUUACGCGGUCUCUCA	CUUGUUU	- / - / - / -	UGAGAUCGUGUAAAACCAGGAG	GAGAUCG	+ / - / + / -	CCUUGUUUUACGCGGUCUCUCAUCGAUUAGGGAAGUGUGAGAUCGUGUAAAACCAGGAG
58	ppc-mir-2251	AUCCUCAUGAAUCCCGGUUUUGAUC	UCCUCAU	- / - / - / -	UCACCGGGAUUCUAUGAAGAUCU	CACCGGG	+ / + / + / +	GCCCGCUACUCGACACGUCCCAAAUCCUCAUGAAUCCCGGUUUUGAUCACUAGUUGCAGUGAUCACCGGGAUUCUAUGAAGAUCUGGGCUUCGAGAAGGC
59	ppc-mir-2252	GGCACUCGGUCUAGAAUUUGACA	GCACUCG	- / - / - / -	UCCUUCUAGCCCGAAGUGUCAGA	CCUUCUA	- / - / + / -	GGCACUCGGUCUAGAAUUUGACAGAUUACCGCAAAUCUGUCCUUCUAGCCCGAAGUGUCAGA
60	ppc-mir-2253a	CGGACUUUCAACAGGCCAUACA	GGACUUU	- / - / - / +	CAUGGCACUGCUGAAGGUUCG	AUGGCAC	+ / + / + / +	CGGACUUUCAACAGGCCAUACACCUCGUGUGAUGCAUGGCACUGCUGAAGGUUCG
61	ppc-mir-2253b	CGGACUUUCAACAGGCCAUACA	GGACUUU	- / - / - / +	UAUGGCACUGCUGAAGGUCCG	AUGGCAC	+ / + / + / +	CGGACUUUCAACAGGCCAUACACCUAAUGUUAUGUAUGGCACUGCUGAAGGUCCG
62	ppc-mir-2254	GUGAGUUUUCUGUAGUCCAAGCG	UGAGUUU	- / + / - / -	UUUGUACUAUGCAAAGCUUACAG	UUGUACU	+ / + / - / -	GUGAGUUUUCUGUAGUCCAAGCGGGUCAGACUGUCCAUCGACCCGUUUGUACUAUGCAAAGCUUACAG
63	ppc-mir-2255	CAAUACUAUUCAAUGACAAUCUA	AAUACUA	- / + / - / -	AAUUGCAUUGAUUGGUAUUGGC	AUUGCAU	- / + / - / -	CAAUACUAUUCAAUGACAAUCUAAUCCGGUAAUGGUUAAAUUGCAUUGAUUGGUAUUGGC
64	ppc-mir-2256	GGUUUGGGCUCGAACAACACC	GUUUGGG	- / - / - / +	UGUUGUUUGAGUGCAAACCG	GUUGUUU	- / - / - / +	GGUUUGGGCUCGAACAACACCACAUUACGGUUGUCGUUGUUGUUUGAGUGCAAACCG
65	ppc-mir-2258	CCGGUUUCGUUGGUGUCUAUCUC	CGGUUUC	- / - / - / -	AAUGACACCAAAGCGAAACCGC	AUGACAC	+ / - / - / +	CCGGUUUCGUUGGUGUCUAUCUCUACAGAAGGUUGAAAUGACACCAAAGCGAAACCGC
66	ppc-mir-2259	UGGCAAGAUUAACUAGCUUACUG	GGCAAGA	+ / + / + / +	GUGAGUUAGUUUUUCUAGCCUACU	UGAGUUA	+ / - / - / -	UGGCAAGAUUAACUAGCUUACUGCUGUGCAUUGAAUUGACAGUGAGUUAGUUUUUCUAGCCUACUG
67	ppc-mir-2260	UCCUUGGAACUGCUGAUCUUAUC	CCUUGGA	- / - / - / -	UAAGGUGGCUUUUCUGAAGAUC	AAGGUGG	- / + / - / +	UCCUUGGAACUGCUGAUCUUAUCGCAAAAUAAUGUGCGUGAUAAGGUGGCUUUUCUGAAGAUC
68	ppc-mir-2261	AUUCGUUCACCGUUGGCUAAACU	UUCGUUC	- / - / - / -	UUUGGCAACUCAUGAACGAAUG	UUGGCAA	+ / - / - / +	AUUCGUUCACCGUUGGCUAAACUCAGAGCACUCGUGCAGUUUGGCAACUCAUGAACGAAUG
69	ppc-mir-2262	UACCCGAUGUCCAGUGGUACCUU	ACCCGAU	+ / - / - / -	GGACUCCUUUACAUCGGGCACC	GACUCCU	- / - / - / -	UACCCGAUGUCCAGUGGUACCUUCUGUAUUGAGAAGAAGGACUCCUUUACAUCGGGCACC
70	ppc-mir-2263	AUCCUCAAAAAUUCCGAGAACCA	UCCUCAA	- / + / - / -	GUCUCGGGCUUCUUUGAGGAUAA	UCUCGGG	- / - / - / +	GCUAUUCGCCAUGCCCCCAUCCUCAAAAAUUCCGAGAACCACGAAUUGAAUGUGGUCUCGGGCUUCUUUGAGGAUAAGGGCUUCGGGUCAGC
71	ppc-mir-2264	UAUCACAGCGCACAACGGCGAU	AUCACAG	+ / + / + / -	CCCCGGAUGCGCACUGUGAAGCC	CCCGGAU	- / + / - / -	UAUCACAGCGCACAACGGCGAUGAGUGUCACUGUACGAAAUAUCCCCGGAUGCGCACUGUGAAGCC
72	ppc-mir-2265	AACCAGAUGGAAACGAGGAGG	ACCAGAU	- / + / - / -	CGCCCCGGCCUCAUCUGGUCCC	GCCCCGG	- / - / - / -	AACCAGAUGGAAACGAGGAGGAGUCCCUUUGAACGAAUCCCGCCCCGGCCUCAUCUGGUCCC
73	ppc-mir-2266	AACCCGAUUGUGUCUAGUGUUC	ACCCGAU	+ / - / - / -	GCACUAGGUACUCUCAGGUCCC	CACUAGG	- / - / - / -	AACCCGAUUGUGUCUAGUGUUCUGUGAUUACGAAGCAUGAGCACUAGGUACUCUCAGGUCCC
74	ppc-mir-2267	UAGGGUACGCCCCCGCAAGCUUA	AGGGUAC	- / - / - / -	AGCUGCGAGCGUCGUUCUCUGAA	GCUGCGA	- / - / - / +	AUCCUCCUCCCUUUCCUCGGGCCGUCUAGGGUACGCCCCCGCAAGCUUAGCGCAUUGAAUGAAGGCUAAGCUGCGAGCGUCGUUCUCUGAAUGGCUGAGGAGACGAGAGAGAGAU
75	ppc-mir-2268	CCAAUCGCCAUAGUGGUCAUAGA	CAAUCGC	- / - / - / -	AAUGACACUGUCGCGUAUUGGUA	AUGACAC	+ / - / - / +	CCAAUCGCCAUAGUGGUCAUAGACCGAACGAAUGGUUCAAUGACACUGUCGCGUAUUGGUA
76	ppc-mir-2269	GUGAGAGUGUGUUGUGAUGC	UGAGAGU	- / - / - / -	UGAUUCAGAGCACAUUCUCAG	GAUUCAG	- / - / - / -	GUGAGAGUGUGUUGUGAUGCACCUGAAGGUGAUUCAGAGCACAUUCUCAG
77	ppc-mir-2270	AAUGGUAAGAGAUUGAAGUGACU	AUGGUAA	- / - / - / -	CCGCUCAAUCUCCUUGCCAUAGC	CGCUCAA	- / - / - / -	AAUGGUAAGAGAUUGAAGUGACUGUUGCACAUUGAAGGCAGCCGCUCAAUCUCCUUGCCAUAGC
78	ppc-mir-2271	UGGAAGUAAGCUAUUUGGGUCUA	GGAAGUA	- / - / - / -	AACCCGUAGCCUUACUAUCCGG	ACCCGUA	+ / + / + / +	UGGAAGUAAGCUAUUUGGGUCUACGAUUUGAAGCGUUAAACCCGUAGCCUUACUAUCCGG
79	ppc-mir-2272	UAGGGUACACCCAUACUGAGCCG	AGGGUAC	- / - / - / -	GGCUUUAUGGCGCGUACCCUAUG	GCUUUAU	- / + / - / -	UAGGGUACACCCAUACUGAGCCGACGAGAGUGCAUGAAGCGAUCGGCUUUAUGGCGCGUACCCUAUG
80	ppc-mir-2273	UCUCGAAAGCGGCACAUGCCAUC	CUCGAAA	- / - / - / -	UGACAUGUCCCCGUUCGAGAGA	GACAUGU	- / - / - / +	UUCUCAUCGAUUGAUCGUCUCUCGAAAGCGGCACAUGCCAUCCGAAUUACAUAGUGAUGAUGACAUGUCCCCGUUCGAGAGAUGCGCUCUCGAGUAGAA
81	ppc-mir-2274	CCGUUGACUGACGAGGGUAUUCA	CGUUGAC	- / - / - / -	AACCCGUAGUCAAGUCUACGGAG	ACCCGUA	+ / + / + / +	CCGUUGACUGACGAGGGUAUUCACUGAUUGCAAGUUGAACCCGUAGUCAAGUCUACGGAG
82	ppc-mir-232	CAUCGUAGUCAGUUGCAUUCUUU	AUCGUAG	- / - / - / -	UAAAUGCAUCUACACUUCGGUGG	AAAUGCA	+ / + / + / -	CAUCGUAGUCAGUUGCAUUCUUUCGGAUCAAUUAGAUCUAUCGAAUAAAUGCAUCUACACUUCGGUGG
83	ppc-mir-234	GGGCAUUCUUUAGUGAAUAACA	GGCAUUC	- / - / - / -	UUAUUGCUCAAGAAUGCCAAU	UAUUGCU	+ / + / - / +	GGGCAUUCUUUAGUGAAUAACACGUUUGAUACGAAGAACUGUUAUUGCUCAAGAAUGCCAAU
84	ppc-mir-236	CGUCUUACACGACACGUAUUGGA	GUCUUAC	+ / - / - / +	UAAUACUGUCAUGUAAUGACUUC	AAUACUG	+ / + / + / +	CGUCUUACACGACACGUAUUGGAGUGAGUCCCCCGUCCAGGGGACACUAAAUAUGCAUCUAAUACUGUCAUGUAAUGACUUC
85	ppc-mir-239-1	UUUGUACUAGGCUAAGGAAUUA	UUGUACU	+ / + / - / -	AUUCCUGUAGUCCUGUGCGAUCC	UUCCUGU	- / - / - / -	UUUGUACUAGGCUAAGGAAUUACGAUAUAUUGAAGCGAUAAUUCCUGUAGUCCUGUGCGAUCC
86	ppc-mir-239-2	UUUGUACUAGGCUAAGGAAUUA	UUGUACU	+ / + / - / -	AUUCCUCUAGUCCCGUGCAAUCC	UUCCUCU	- / - / + / +	UUUGUACUAGGCUAAGGAAUUACGUCAUAUUGAAGCGUUAAUUCCUCUAGUCCCGUGCAAUCC
87	ppc-mir-240	UGAGGUUUGACAGGUCAUUAGG	GAGGUUU	+ / + / - / +	UACUGGCCUCUCAAUCCUUAUC	ACUGGCC	+ / + / + / +	GGCGUCGUGUGAUGGGAUACUGCCCGGGUGAGGUUUGACAGGUCAUUAGGCGCUGUUGAACCGCUGUCCUACUGGCCUCUCAAUCCUUAUCCGGCGUUUCCCUCGGACUUUCCGUCC
88	ppc-mir-242	UUGCGUAGGCCUUCGAUUGGCG	UGCGUAG	+ / - / + / -	CAUCGACGAUCUGCGCAUGC	AUCGACG	- / - / - / -	UUGCGUAGGCCUUCGAUUGGCGAUAUUUCUGCACAUGAAUGCAUCGCGCAUCGACGAUCUGCGCAUGC
89	ppc-mir-279	UGGGUAUGUGUCUCAGUCAUGC	GGGUAUG	+ / - / - / -	UGACUAGAUCCAUACUCAGCU	GACUAGA	+ / + / + / -	UGGGUAUGUGUCUCAGUCAUGCUAUCCUUGUCGUUGUACCCAUGACUAGAUCCAUACUCAGCU
90	ppc-mir-252	CUAAGUAGUAGUGCCGCAGGU	UAAGUAG	+ / + / + / -	ACCUAUAGCCUUCUGCUUAACA	CCUAUAG	- / - / - / -	CUAAGUAGUAGUGCCGCAGGUAACCAACAAUUGAGAGGUUUACCUAUAGCCUUCUGCUUAACA
91	ppc-mir-312	CACCGCCUCCUUGUCGCCAUGCG	ACCGCCU	- / - / - / -	UAUGGCACAUUGAGACGGAG	AUGGCAC	+ / + / + / +	CACCGCCUCCUUGUCGCCAUGCGUGGUAUGAAGCUUUUCGUAUGGCACAUUGAGACGGAG
92	ppc-mir-37	CGCCUCUGAUCACUACGAUGAAA	GCCUCUG	- / - / - / -	UCACCGGGUGAACAGAAGCUGU	CACCGGG	+ / + / + / +	CGCCUCUGAUCACUACGAUGAAACUGAGAUAACGAGUUUCACCGGGUGAACAGAAGCUGU
93	ppc-mir-38	CACAUAGUGACUCCCGGUAACC	ACAUAGU	- / - / - / -	UCACCGGGAGUUAAUAUGGGAC	CACCGGG	+ / + / + / +	CACAUAGUGACUCCCGGUAACCAUCCAUUCGACUUGGUCACCGGGAGUUAAUAUGGGAC
94	ppc-mir-42a	AGUGGGUGUCUGCCUCGGUCUGAAG	GUGGGUG	+ / + / - / +	UCACCGGGUGAACAUCCAUUGC	CACCGGG	+ / + / + / +	AGUGGGUGUCUGCCUCGGUCUGAAGUGUGAGAUGCAUGAUCCUCCGUUCUUCACCGGGUGAACAUCCAUUGC
95	ppc-mir-42b	GUCACAGAAUCCCUGCGUGACC	UCACAGA	+ / - / - / -	UCACCGGGUUAUUCUGCGACCU	CACCGGG	+ / + / + / +	GUCACAGAAUCCCUGCGUGACCUGUGAAUUGAUCUUGGUCACCGGGUUAUUCUGCGACCU
96	ppc-mir-45	CUGGAUGUGUGAUCUUGGUCGUA	UGGAUGU	+ / - / - / -	UGACUAGAGACACAUUCAGCU	GACUAGA	+ / + / + / -	CUGGAUGUGUGAUCUUGGUCGUAUCCGCGCAAAUGCUCAAUGAUUAUGACUAGAGACACAUUCAGCU
97	ppc-mir-46	AAGAGAGCCUUCUGUUGACAGU	AGAGAGC	+ / + / - / -	UGUCAUGGAGUCGCUCUCUUC	GUCAUGG	+ / + / + / +	AAGAGAGCCUUCUGUUGACAGUGCGGGCCGUUGGUGCUAAUGCUAUUGUCAUGGAGUCGCUCUCUUC
98	ppc-mir-54	CGAGUUAUUUCAUUCGGGUCUA	GAGUUAU	- / - / - / -	AACCCGUAAUGAUAAUAAUUCGCG	ACCCGUA	+ / + / + / +	CGAGUUAUUUCAUUCGGGUCUACCUAUUGAGAGGCUAAACCCGUAAUGAUAAUAAUUCGCG
99	ppc-mir-55a	AGGCAGCAAUGCUAACGAGUGUG	GGCAGCA	- / - / - / -	UACCCGUAAGCCAUUCUGUCGAG	ACCCGUA	+ / + / + / +	AGGCAGCAAUGCUAACGAGUGUGUUGAUCUUUCGUAUCAUCUCAUACCCGUAAGCCAUUCUGUCGAG
100	ppc-mir-55b	CGACGUAUAACGUGCAGGUCGC	GACGUAU	- / - / - / -	AACCCGUAACGUUAUAUUUCGG	ACCCGUA	+ / + / + / +	CGACGUAUAACGUGCAGGUCGCCCUAUAUGAAAUGGUCGCAACCCGUAACGUUAUAUUUCGG
101	ppc-mir-56	CGGUGGAAUCGCUUUCGGGUGCG	GGUGGAA	- / + / - / -	UACCCGUAACGCUUCUACCGAG	ACCCGUA	+ / + / + / +	CGGUGGAAUCGCUUUCGGGUGCGCGCCGGCAUUGCUAUGCCGUACCCGUAACGCUUCUACCGAG
102	ppc-mir-63a	CUUCUCGGCUUUGGUUGUCAUUGU	UUCUCGG	- / - / - / -	UAUGACACUGAAGCGAGAUGGU	AUGACAC	+ / - / - / +	CUUCUCGGCUUUGGUUGUCAUUGUCUACUUGAAGAGAACUAUGACACUGAAGCGAGAUGGU
103	ppc-mir-63b	CCUCUCGACUUUUGUGUCUUAGA	CUCUCGA	- / - / - / -	UAUGACACUGAAGCGAGAGUGU	AUGACAC	+ / - / - / +	CCUCUCGACUUUUGUGUCUUAGACUGUUUCGAAAAGUUCUAUGACACUGAAGCGAGAGUGU
104	ppc-mir-63c-1	CCAUUCGCAUGAGUUUCAUGGA	CAUUCGC	- / - / - / -	UAUGACACUCAAUGCGAGAUGGG	AUGACAC	+ / - / - / +	CCAUUCGCAUGAGUUUCAUGGACUCGAUUCAUAGAUCUAUGACACUCAAUGCGAGAUGGG
105	ppc-mir-63c-2	CCAUUCGCAUGAGUUUCAUGGA	CAUUCGC	- / - / - / -	UAUGACACUCAAUGCGAGAUGGG	AUGACAC	+ / - / - / +	CCAUUCGCAUGAGUUUCAUGGACUCGAUUCAUAGAUCUAUGACACUCAAUGCGAGAUGGG
106	ppc-mir-63c-3	CCAUUCGCAUGAGUUUCAUGGA	CAUUCGC	- / - / - / -	UAUGACACUCAAUGCGAGAUGGG	AUGACAC	+ / - / - / +	CCAUUCGCAUGAGUUUCAUGGACUCGAUUCAUAGAUCUAUGACACUCAAUGCGAGAUGGG
107	ppc-mir-63c-4	CCAUUCGCAUGAGUUUCAUGGA	CAUUCGC	- / - / - / -	UAUGACACUCAAUGCGAGAUGGG	AUGACAC	+ / - / - / +	CCAUUCGCAUGAGUUUCAUGGACUCGAUUCAUAGAUCUAUGACACUCAAUGCGAGAUGGG
108	ppc-mir-63d	CCGUUCGCUUUUGGCGUCAUGGU	CGUUCGC	- / - / - / -	UAUGACACUCAAGCGAGCGAAG	AUGACAC	+ / - / - / +	CCGUUCGCUUUUGGCGUCAUGGUCCUCAUUUGGGCUGGUACUAUGACACUCAAGCGAGCGAAG
109	ppc-mir-63e	CCGCUCGCUUGUAGUGUCAUGGC	CGCUCGC	- / - / - / -	UAUGACGUAGAAGCGAGUGAAG	AUGACGU	- / - / - / +	CCGCUCGCUUGUAGUGUCAUGGCCCUCAAUCGGUCUGGUGCUAUGACGUAGAAGCGAGUGAAG
110	ppc-mir-63f	CCAUUCGUAUGAGUUUCAUGGA	CAUUCGU	- / - / - / -	UAUGACACUGAGUGCGGAGUGG	AUGACAC	+ / - / - / +	CCAUUCGUAUGAGUUUCAUGGACUUUCCCUACAGCUCUAUGACACUGAGUGCGGAGUGG
111	ppc-mir-63g	CCGUUCGCCUGUUACGUCAUCGU	CGUUCGC	- / - / - / -	UAUGACUAACAGAGCGCACGAGG	AUGACUA	- / - / - / -	CCGUUCGCCUGUUACGUCAUCGUCCUCAUUCGGAUAGGUACUAUGACUAACAGAGCGCACGAGG
112	ppc-mir-63h	CCGCUCGCUUGAGACGUCGUGGU	CGCUCGC	- / - / - / -	UCCGACUUUCAAGCGAGCGUAG	CCGACUU	- / - / - / -	CCGCUCGCUUGAGACGUCGUGGUCCUCAUUGGGAAGGUACUCCGACUUUCAAGCGAGCGUAG
113	ppc-mir-65	UAUGACACUGACCCCUCAAUGCGG	AUGACAC	+ / - / - / +	GCAUUGUGGGCAGUGUCAUCCA	CAUUGUG	- / + / - / +	UAUGACACUGACCCCUCAAUGCGGAUGUAUAACUGGAGAUACCGCAUUGUGGGCAGUGUCAUCCA
114	ppc-mir-67	ACGCCCUCUGUGGGUUGUCUGA	CGCCCUC	- / - / - / -	ACACAACCUCCUAGAGUGUGUCG	CACAACC	+ / + / + / -	ACGCCCUCUGUGGGUUGUCUGACUCACAGUGAGAUCAGUCACACAACCUCCUAGAGUGUGUCG
115	ppc-mir-71	UGAAAGACCUGUUGGUAGUGAGACG	GAAAGAC	+ / + / + / -	UAUCACUACCCAGGCUUUCGCC	AUCACUA	+ / - / - / +	UGAAAGACCUGUUGGUAGUGAGACGAUGAAAUUUAAUCCUUUCGUAUCACUACCCAGGCUUUCGCC
116	ppc-mir-72	AGGCAAGAUGUUGGCAUAGCUGA	GGCAAGA	+ / + / + / +	CGCUCUGCCACAUGUAGCCACG	GCUCUGC	- / - / - / +	AGGCAAGAUGUUGGCAUAGCUGAUGGUCGAAUUGAAGCAAUUCCGCUCUGCCACAUGUAGCCACG
117	ppc-mir-79	CUUUGGUUAUCUUGCUUUCUGA	UUUGGUU	+ / - / - / -	AUAAAGCUAGGUUACCAAAGCU	UAAAGCU	+ / + / + / +	CUUUGGUUAUCUUGCUUUCUGACUAAAUGUCCAAGGUUCAUAAAGCUAGGUUACCAAAGCU
118	ppc-mir-81	CGGUUUUCACGUUGAUCUGAGA	GGUUUUC	+ / - / - / +	UGAGAUCAUAGUGAAAGCUACU	GAGAUCA	+ / + / + / -	CGGUUUUCACGUUGAUCUGAGAGCUAAUCGAUAUGUUUCUGAGAUCAUAGUGAAAGCUACU
119	ppc-mir-84a	UGAGGUAGUUAAGAAUAAGUG	GAGGUAG	+ / + / + / +	ACGUAUUCUCCCUGCCUCCAC	CGUAUUC	- / + / + / -	UGAGGUAGUUAAGAAUAAGUGAUGACCAUCAGAAGUAUUCACGUAUUCUCCCUGCCUCCAC
120	ppc-mir-84b	UGAGGUAGUUAAGAAUAUGUG	GAGGUAG	+ / + / + / +	ACUUAUUCUUCCUGCCUCACC	CUUAUUC	- / - / - / -	UGAGGUAGUUAAGAAUAUGUGAUGCCUUUCGGGAAUCAUUCACUUAUUCUUCCUGCCUCACC
121	ppc-mir-86	UAAGUGAAUUUCUUGCCACAGUC	AAGUGAA	+ / - / - / +	CUGGGCAAUACUUUCGCUUGCGC	UGGGCAA	+ / - / - / +	UAAGUGAAUUUCUUGCCACAGUCUUAGCCUAAUUCACAAGGCUGGGCAAUACUUUCGCUUGCGC
122	ppc-mir-87	CGCCUGAACUUGUACUCAACCU	GCCUGAA	- / - / - / -	GUGAGCAAAGUUUCAGGUGUGC	UGAGCAA	+ / + / + / -	CGCCUGAACUUGUACUCAACCUCGUCAAUAGAUGAGCGCAGGUGAGCAAAGUUUCAGGUGUGC
123	ppc-mir-993	CCCUGUACAGACGUGCUUAUCUC	CCUGUAC	- / - / - / +	GAAGCUCGACUCUACAGGUC	AAGCUCG	+ / + / - / +	CCCUGUACAGACGUGCUUAUCUCUGGUAUUCUAUAAGCACGAGAAGCUCGACUCUACAGGUC
124	ppc-mir-9	UCUUUGGUUAUCUAGCUGUAUG	CUUUGGU	+ / + / + / +	AUAAAGCUGGAAAACUGAAGGAA	UAAAGCU	+ / + / + / +	UCUUUGGUUAUCUAGCUGUAUGAUUUGAAAUGUAAAUCAUAAAGCUGGAAAACUGAAGGAA

* Nematoda/Arthropoda/Lophotrochozoa/Vertebrata