

GenTarget 's miRNA expression lentivirus catalog #	Human miR Name ID	mature miR sequence (mRNA) *	miRNA Length
miRNA#1	>hsa-let-7a-5p MIMAT0000062	UGAGGUAGUAGGUUGUAUAGUU	22
miRNA#2	>hsa-let-7a-3p MIMAT0004481	CUAUACAACUACUGUCUUUC	21
miRNA#3	>hsa-let-7a-2-3p MIMAT0010195	CUGUACAGCCUCCUAGCUUCC	22
miRNA#4	>hsa-let-7b-5p MIMAT0000063	UGAGGUAGUAGGUUGUGUGGUU	22
miRNA#5	>hsa-let-7b-3p MIMAT0004482	CUAUACAACCUACUGCCUCCCC	22
miRNA#6	>hsa-let-7c MIMAT0000064	UGAGGUAGUAGGUUGUAUGGUU	22
miRNA#7	>hsa-let-7d-5p MIMAT0000065	AGAGGUAGUAGGUUGCAUAGUU	22
miRNA#8	>hsa-let-7d-3p MIMAT0004484	CUAUACGACCUGCUGCCUUUCU	22
miRNA#9	>hsa-let-7e-5p MIMAT0000066	UGAGGUAGGAGGUUGUAUAGUU	22
miRNA#10	>hsa-let-7e-3p MIMAT0004485	CUAUACGGCCUCCUAGCUUCC	22
miRNA#11	>hsa-let-7f-5p MIMAT0000067	UGAGGUAGUAGAUUGUAUAGUU	22
miRNA#12	>hsa-let-7f-1-3p MIMAT0004486	CUAUACAACUUAUUGCCUCCCC	22
miRNA#13	>hsa-let-7f-2-3p MIMAT0004487	CUAUACAGUCUACUGUCUUCC	22
miRNA#14	>hsa-miR-15a-5p MIMAT0000068	UAGCAGCACAUAAUGGUUUGUG	22
miRNA#15	>hsa-miR-15a-3p MIMAT0004488	CAGGCCAUUAUUGUGCUGCCUCA	22
miRNA#16	>hsa-miR-16-5p MIMAT0000069	UAGCAGCACGUAAAUUAUUGGCG	22
miRNA#17	>hsa-miR-16-1-3p MIMAT0004489	CCAGUAUUAACUGUGCUGCUGA	22
miRNA#18	>hsa-miR-17-5p MIMAT0000070	CAAAGUGCUUACAGUGCAGGUAG	23
miRNA#19	>hsa-miR-17-3p MIMAT0000071	ACUGCAGUGAAGGCACUUGUAG	22
miRNA#20	>hsa-miR-18a-5p MIMAT0000072	UAAGGUGCAUCUAGUGCAGAUAG	23
miRNA#21	>hsa-miR-18a-3p MIMAT0002891	ACUGCCCUAAGUGCUCUUCUGG	23
miRNA#22	>hsa-miR-19a-5p MIMAT0004490	AGUUUUGCAUAGUUGCACUACA	22
miRNA#23	>hsa-miR-19a-3p MIMAT0000073	UGUGCAAUUCUAUGCAAAACUGA	23
miRNA#24	>hsa-miR-19b-1-5p MIMAT0004491	AGUUUUGCAGGUUUGCAUCCAGC	23
miRNA#25	>hsa-miR-19b-3p MIMAT0000074	UGUGCAAUCCAUGCAAAACUGA	23
miRNA#26	>hsa-miR-19b-2-5p MIMAT0004492	AGUUUUGCAGGUUUGCAUUUCA	22
miRNA#27	>hsa-miR-20a-5p MIMAT0000075	UAAAGUGCUUAUAGUGCAGGUAG	23
miRNA#28	>hsa-miR-20a-3p MIMAT0004493	ACUGCAUUAUGAGCACUUAAG	22
miRNA#29	>hsa-miR-21-5p MIMAT0000076	UAGCUUAUCAGACUGAUGUUGA	22
miRNA#30	>hsa-miR-21-3p MIMAT0004494	CAACACCAGUCGAUGGGCUGU	21
miRNA#31	>hsa-miR-22-5p MIMAT0004495	AGUUCUUCAGUGGCAAGCUUUA	22
miRNA#32	>hsa-miR-22-3p MIMAT0000077	AAGCUGCCAGUUGAAGAACUGU	22
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miRNA#36	>hsa-miR-24-3p MIMAT0000080	UGGCUCAGUUCAGCAGGAACAG	22
miRNA#37	>hsa-miR-24-2-5p MIMAT0004497	UGCCUACUGAGCUGAAACACAG	22
miRNA#38	>hsa-miR-25-5p MIMAT0004498	AGGCGGAGACUUGGGCAAUUG	21
miRNA#39	>hsa-miR-25-3p MIMAT0000081	CAUUGCACUUGUCUCGGUCUGA	22
miRNA#40	>hsa-miR-26a-5p MIMAT0000082	UUCAAGUAAUCCAGGAUAGGCU	22
miRNA#41	>hsa-miR-26a-1-3p MIMAT0004499	CCUAUUCUUGGUUACUUGCACG	22

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miRNA#44	>hsa-miR-27a-5p MIMAT0004501	AGGGCUUAGCUGCUUGUGAGCA	22
miRNA#45	>hsa-miR-27a-3p MIMAT0000084	UUCACAGUGGCUAAGUUCCGC	21
miRNA#46	>hsa-miR-28-5p MIMAT0000085	AAGGAGCUCACAGUCUAUUGAG	22
miRNA#47	>hsa-miR-28-3p MIMAT0004502	CACUAGAUUGUGAGCUCCUGGA	22
miRNA#48	>hsa-miR-29a-5p MIMAT0004503	ACUGAUUUUUUUGGUGUUCAG	22
miRNA#49	>hsa-miR-29a-3p MIMAT0000086	UAGCACCAUCUGAAAUCCGUUA	22
miRNA#50	>hsa-miR-30a-5p MIMAT0000087	UGUAAACAUCUCGACUGGAAG	22
miRNA#51	>hsa-miR-30a-3p MIMAT0000088	CUUUCAGUCGGAUGUUUGCAGC	22
miRNA#52	>hsa-miR-31-5p MIMAT0000089	AGGCAAGAUGCUGGCAUAGCU	21
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miRNA#54	>hsa-miR-32-5p MIMAT0000090	UAUUGCACAUUACUAAGUUGCA	22
miRNA#55	>hsa-miR-32-3p MIMAT0004505	CAAUUUAGUGUGUGUAUUAUU	22
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miRNA#60	>hsa-miR-92a-2-5p MIMAT0004508	GGGUGGGGAUUUGUUGCAUAC	22
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miRNA#62	>hsa-miR-93-3p MIMAT0004509	ACUGCUGAGCUAGCACUCCCG	22
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miRNA#66	>hsa-miR-98-5p MIMAT0000096	UGAGGUAGUAAGUUGUAUUGUU	22
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miRNA#69	>hsa-miR-99a-3p MIMAT0004511	CAAGCUCGCUUCUAUGGGUCUG	22
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miRNA#71	>hsa-miR-100-3p MIMAT0004512	CAAGCUUGUAUCUAUAGGUUAG	22
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miRNA#73	>hsa-miR-101-3p MIMAT0000099	UACAGUACUGUGAUACUGAA	21
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miRNA#79	>hsa-miR-105-5p MIMAT0000102	UCAAUUGCUCAGACUCCUGUGGU	23
miRNA#80	>hsa-miR-105-3p MIMAT0004516	ACGGAUGUUUGAGCAUGUGCUA	22
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miRNA#83	>hsa-miR-107 MIMAT0000104	AGCAGCAUUGUACAGGGCUAUGA	23
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miRNA#85	>hsa-miR-192-5p MIMAT0000222	CUGACCUAUGAAUUGACAGCC	21
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miRNA#91	>hsa-miR-199a-5p MIMAT0000231	CCCAGUGUUCAGACUACCUGUUC	23
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miRNA#107	>hsa-miR-7-2-3p MIMAT0004554	CAACAAAUCCCAGUCUACCUA	22
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miRNA#109	>hsa-miR-10a-3p MIMAT0004555	CAAAUUCGUAUCUAGGGGAUA	22
miRNA#110	>hsa-miR-10b-5p MIMAT0000254	UACCCUGUAGAACCGAAUUUGUG	23
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miRNA#114	>hsa-miR-181a-5p MIMAT0000256	AACAUUCAACGCUGUCGGUGAGU	23
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miRNA#116	>hsa-miR-181b-5p MIMAT0000257	AACAUUCAUUGCUGUCGGUGGGU	23
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miRNA#118	>hsa-miR-181c-5p MIMAT0000258	AACAUUCAACCUGUCGGUGAGU	22
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miRNA#120	>hsa-miR-182-5p MIMAT0000259	UUUGGCAAUGGUAGAACUCACACU	24
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miRNA#127	>hsa-miR-199b-5p MIMAT0000263	CCCAGUGUUUAGACUAUCUGUUC	23
miRNA#128	>hsa-miR-199b-3p MIMAT0004563	ACAGUAGUCUGCACAUUGGUUA	22
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miRNA#131	>hsa-miR-204-3p MIMAT0022693	GCUGGGAAGGCAAAGGGACGU	21
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miRNA#133	>hsa-miR-205-3p MIMAT0009197	GAUUUCAGUGGAGUGAAGUUC	21
miRNA#134	>hsa-miR-210 MIMAT0000267	CUGUGCGUGUGACAGCGGCUGA	22
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miRNA#138	>hsa-miR-212-3p MIMAT0000269	UAACAGUCUCCAGUCACGGCC	21
miRNA#139	>hsa-miR-181a-3p MIMAT0000270	ACCAUCGACCGUUGAUUGUACC	22
miRNA#140	>hsa-miR-214-5p MIMAT0004564	UGCCUGUCUACACUUGCUGUGC	22
miRNA#141	>hsa-miR-214-3p MIMAT0000271	ACAGCAGGCACAGACAGGCAGU	22
miRNA#142	>hsa-miR-215 MIMAT0000272	AUGACCUAUGAAUUGACAGAC	21
miRNA#143	>hsa-miR-216a-5p MIMAT0000273	UAAUCUCAGCUGGCAACUGUGA	22
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miRNA#145	>hsa-miR-217 MIMAT0000274	UACUGCAUCAGGAACUGAUUGGA	23
miRNA#146	>hsa-miR-218-5p MIMAT0000275	UUGUGCUUGAUCUAACCAUGU	21
miRNA#147	>hsa-miR-218-1-3p MIMAT0004565	AUGGUUCCGUCAAGCACCAUGG	22
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miRNA#149	>hsa-miR-219-5p MIMAT0000276	UGAUUGUCCAAACGCAAUUCU	21
miRNA#150	>hsa-miR-219-1-3p MIMAT0004567	AGAGUUGAGUCUGGACGUCCCG	22
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miRNA#152	>hsa-miR-221-3p MIMAT0000278	AGCUACAUUGUCUGCUGGGUUUC	23
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miRNA#154	>hsa-miR-222-3p MIMAT0000279	AGCUACAUCUGGCUACUGGGU	21
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miRNA#156	>hsa-miR-223-3p MIMAT0000280	UGUCAGUUUGUCAAUACCCCA	22
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miRNA#158	>hsa-miR-224-3p MIMAT0009198	AAAAUGGUGCCCUAGUGACUACA	23
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miRNA#160	>hsa-miR-200b-3p MIMAT0000318	UAAUACUGCCUGGUAAUGAUGA	22
miRNA#161	>hsa-let-7g-5p MIMAT0000414	UGAGGUAGUAGUUUGUACAGUU	22
miRNA#162	>hsa-let-7g-3p MIMAT0004584	CUGUACAGGCCACUGCCUUGC	21
miRNA#163	>hsa-let-7i-5p MIMAT0000415	UGAGGUAGUAGUUUGUGCUGUU	22
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miRNA#165	>hsa-miR-1 MIMAT0000416	UGGAAUGUAAAGAAGUAUGUUAU	22
miRNA#166	>hsa-miR-15b-5p MIMAT0000417	UAGCAGCACAUCAUGGUUUACA	22
miRNA#167	>hsa-miR-15b-3p MIMAT0004586	CGAAUCAUUUUUGCUGCUCUA	22
miRNA#168	>hsa-miR-23b-5p MIMAT0004587	UGGGUUCCUGGCAUGCUGAUUU	22
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miRNA#170	>hsa-miR-27b-5p MIMAT0004588	AGAGCUUAGCUGAUUGGUGAAC	22
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miRNA#181	>hsa-miR-130a-5p MIMAT0004593	UUCACAUUGUGCUACUGUCUGC	22
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miRNA#189	>hsa-miR-138-5p MIMAT0000430	AGCUGGUGUUGUGAAUCAGGCCG	23
miRNA#190	>hsa-miR-138-2-3p MIMAT0004596	GCUAUUUCACGACACCAGGGUU	22
miRNA#191	>hsa-miR-140-5p MIMAT0000431	CAGUGGUUUUACCCUAUGGUAG	22
miRNA#192	>hsa-miR-140-3p MIMAT0004597	UACCACAGGGUAGAACCACGG	21
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miRNA#194	>hsa-miR-141-3p MIMAT0000432	UAACACUGUCUGGUAAAAGAUGG	22
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miRNA#200	>hsa-miR-144-3p MIMAT0000436	UACAGUAUAGAUGAUGUACU	20
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miRNA#212	>hsa-miR-126-5p MIMAT0000444	CAUUAUUAUUUUGGUACGCG	21
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miRNA#214	>hsa-miR-127-5p MIMAT0004604	CUGAAGCUCAGAGGGCUCUGAU	22
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miRNA#216	>hsa-miR-129-2-3p MIMAT0004605	AAGCCCUUACCCCAAAAGCAU	22
miRNA#217	>hsa-miR-134 MIMAT0000447	UGUGACUGGUUGACCAGAGGGG	22
miRNA#218	>hsa-miR-136-5p MIMAT0000448	ACUCCAUUUGUUUUGAUGAUGGA	23
miRNA#219	>hsa-miR-136-3p MIMAT0004606	CAUCAUCGUCUCAAUAGAGUCU	22
miRNA#220	>hsa-miR-138-1-3p MIMAT0004607	GCUACUUCACAACACCAGGGCC	22
miRNA#221	>hsa-miR-146a-5p MIMAT0000449	UGAGAACUGAAUCCAUGGGUU	22
miRNA#222	>hsa-miR-146a-3p MIMAT0004608	CCUCUGAAAUUCAGUUCUUCAG	22
miRNA#223	>hsa-miR-149-5p MIMAT0000450	UCUGGCUCGUGUCUUCACUCCC	23
miRNA#224	>hsa-miR-149-3p MIMAT0004609	AGGGAGGGACGGGGGCUGUGC	21
miRNA#225	>hsa-miR-150-5p MIMAT0000451	UCUCCAACCCUUGUACCAGUG	22
miRNA#226	>hsa-miR-150-3p MIMAT0004610	CUGGUACAGGCCUGGGGGACAG	22
miRNA#227	>hsa-miR-154-5p MIMAT0000452	UAGGUUAUCCGUGUUGCCUUCG	22
miRNA#228	>hsa-miR-154-3p MIMAT0000453	AAUCAUACACGGUUGACCUAUU	22
miRNA#229	>hsa-miR-184 MIMAT0000454	UGGACGGAGAACUGAUAGGGU	22

miRNA#230	>hsa-miR-185-5p MIMAT0000455	UGGAGAGAAAGGCAGUUCCUGA	22
miRNA#231	>hsa-miR-185-3p MIMAT0004611	AGGGGCUGGCUUUCUCUGGUC	22
miRNA#232	>hsa-miR-186-5p MIMAT0000456	CAAAGAAUUCUCCUUUUGGGCU	22
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miRNA#234	>hsa-miR-188-5p MIMAT0000457	CAUCCCUUGCAUGGUGGAGGG	21
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miRNA#236	>hsa-miR-190a MIMAT0000458	UGAUAUGUUUGAUUAUUAUAGGU	22
miRNA#237	>hsa-miR-193a-5p MIMAT0004614	UGGGUCUUUGCGGGCGAGAUGA	22
miRNA#238	>hsa-miR-193a-3p MIMAT0000459	AACUGGCCUACAAAGUCCCAGU	22
miRNA#239	>hsa-miR-194-5p MIMAT0000460	UGUAACAGCAACUCCAUGUGGA	22
miRNA#240	>hsa-miR-195-5p MIMAT0000461	UAGCAGCACAGAAUAUUGGC	21
miRNA#241	>hsa-miR-195-3p MIMAT0004615	CCAUAUUGGCUGUGCUGCUCC	22
miRNA#242	>hsa-miR-206 MIMAT0000462	UGGAAUGUAAGGAAGUGUGUGG	22
miRNA#243	>hsa-miR-320a MIMAT0000510	AAAAGCUGGGUUGAGAGGGCGA	22
miRNA#244	>hsa-miR-200c-5p MIMAT0004657	CGUCUUAACCCAGCAGUGUUUGG	22
miRNA#245	>hsa-miR-200c-3p MIMAT0000617	UAAUACUGCCGGGUAUAUGAUGGA	23
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miRNA#247	>hsa-miR-155-3p MIMAT0004658	CUCCUACAUAUUAGCAUUAACA	22
miRNA#248	>hsa-miR-194-3p MIMAT0004671	CCAGUGGGGCUGCUGUUAUCUG	22
miRNA#249	>hsa-miR-106b-5p MIMAT0000680	UAAAGUGCUGACAGUGCAGAU	21
miRNA#250	>hsa-miR-106b-3p MIMAT0004672	CCGCACUGUGGGUACUUGCUGC	22
miRNA#251	>hsa-miR-29c-5p MIMAT0004673	UGACCGAUUUCUCCUGGUGUUC	22
miRNA#252	>hsa-miR-29c-3p MIMAT0000681	UAGCACCAUUUGAAAUCGGUUA	22
miRNA#253	>hsa-miR-30c-1-3p MIMAT0004674	CUGGGAGAGGGUUGUUUACUCC	22
miRNA#254	>hsa-miR-200a-5p MIMAT0001620	CAUCUUAACCGACAGUGCUGGA	22
miRNA#255	>hsa-miR-200a-3p MIMAT0000682	UAACACUGUCUGGUAACGAUGU	22
miRNA#256	>hsa-miR-302a-5p MIMAT0000683	ACUUAACGUGGAUGUACUUGCU	23
miRNA#257	>hsa-miR-302a-3p MIMAT0000684	UAAGUGCUUCCAUGUUUUGGUGA	23
miRNA#258	>hsa-miR-219-2-3p MIMAT0004675	AGAAUUGUGGCUGGACAUCUGU	22
miRNA#259	>hsa-miR-34b-5p MIMAT0000685	UAGGCAGUGUCAUUAGCUGAUUG	23
miRNA#260	>hsa-miR-34b-3p MIMAT0004676	CAAUCACUAAUCCACUGCCAU	22
miRNA#261	>hsa-miR-34c-5p MIMAT0000686	AGGCAGUGUAGUUAGCUGAUUGC	23
miRNA#262	>hsa-miR-34c-3p MIMAT0004677	AAUCACUAACCACACGGCCAGG	22
miRNA#263	>hsa-miR-299-5p MIMAT0002890	UGGUUUACCGUCCCAUAUCAU	22
miRNA#264	>hsa-miR-299-3p MIMAT0000687	UAUGUGGGAUGGUAAACCGCUU	22
miRNA#265	>hsa-miR-301a-5p MIMAT0022696	GCUCUGACUUUAUUGCACUACU	22
miRNA#266	>hsa-miR-301a-3p MIMAT0000688	CAGUGCAAUAGUAUUGUCAAGC	23
miRNA#267	>hsa-miR-99b-5p MIMAT0000689	CACCCGUAGAACCGACCUUGCG	22
miRNA#268	>hsa-miR-99b-3p MIMAT0004678	CAAGCUCGUGUCUGUGGGUCCG	22
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miRNA#271	>hsa-miR-130b-5p MIMAT0004680	ACUCUUUCCUGUUGCACUAC	21
miRNA#272	>hsa-miR-130b-3p MIMAT0000691	CAGUGCAAUGAUGAAAGGGCAU	22
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miRNA#274	>hsa-miR-30e-3p MIMAT0000693	CUUUCAGUCGGAUGUUUACAGC	22
miRNA#275	>hsa-miR-26a-2-3p MIMAT0004681	CCUAUUCUUGAUUACUUGUUUC	22
miRNA#276	>hsa-miR-361-5p MIMAT0000703	UUAUCAGAAUCUCCAGGGGUAC	22

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miRNA#279	>hsa-miR-362-3p MIMAT0004683	AACACACCUAUUCAAGGAUUCA	22
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miRNA#282	>hsa-miR-365a-5p MIMAT0009199	AGGGACUUUUGGGGGCAGAUGUG	23
miRNA#283	>hsa-miR-365a-3p MIMAT0000710	UAAUGCCCCUAAAAUCCUUAU	22
miRNA#284	>hsa-miR-365b-5p MIMAT0022833	AGGGACUUUCAGGGGCAGCUGU	22
miRNA#285	>hsa-miR-365b-3p MIMAT0022834	UAAUGCCCCUAAAAUCCUUAU	22
miRNA#286	>hsa-miR-302b-5p MIMAT0000714	ACUUUAACAUGGAAGUGCUUUC	22
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miRNA#288	>hsa-miR-302c-5p MIMAT0000716	UUUAACAUGGGGGUACCUGCUG	22
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miRNA#290	>hsa-miR-302d-5p MIMAT0004685	ACUUUAACAUGGAGGCACUUGC	22
miRNA#291	>hsa-miR-302d-3p MIMAT0000718	UAAGUGCUUCCAUGUUUGAGUGU	23
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miRNA#301	>hsa-miR-372 MIMAT0000724	AAAGUGCUGCGACAUUUGAGCGU	23
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miRNA#318	>hsa-miR-381-3p MIMAT0000736	UAUACAAGGGCAAGCUCUCUGU	22
miRNA#319	>hsa-miR-382-5p MIMAT0000737	GAAGUUGUUCGUGGUGGAUUCG	22
miRNA#320	>hsa-miR-382-3p MIMAT0022697	AAUCAUUCACGGACAACACUU	21
miRNA#321	>hsa-miR-383 MIMAT0000738	AGAUCAGAAGGUGAUUGUGGCU	22
miRNA#322	>hsa-miR-340-5p MIMAT0004692	UUAUAAAGCAAUGAGACUGAUU	22
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miRNA#324	>hsa-miR-330-5p MIMAT0004693	UCUCUGGGCCUGUGUCUUAGGC	22
miRNA#325	>hsa-miR-330-3p MIMAT0000751	GCAAAGCACACGGCCUGCAGAGA	23
miRNA#326	>hsa-miR-328 MIMAT0000752	CUGGCCUCUCUGCCCUUCCGU	22
miRNA#327	>hsa-miR-342-5p MIMAT0004694	AGGGGUGCUAUCUGUGAUUGA	21
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miRNA#332	>hsa-miR-323a-3p MIMAT0000755	CACAUUACACGGUCGACCUCU	21
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miRNA#345	>hsa-miR-338-3p MIMAT0000763	UCCAGCAUCAGUGAUUUUGUUG	22
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miRNA#349	>hsa-miR-335-3p MIMAT0004703	UUUUUCAUUAUUGCUCUCCUGACC	22
miRNA#350	>hsa-miR-133b MIMAT0000770	UUUGGUCCCCUUAACCAGCUA	22
miRNA#351	>hsa-miR-325 MIMAT0000771	CCUAGUAGGUGUCCAGUAAGUGU	23
miRNA#352	>hsa-miR-345-5p MIMAT0000772	GCUGACUCCUAGUCCAGGGCUC	22
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miRNA#355	>hsa-miR-384 MIMAT0001075	AUUCCUAGAAUUGUUCAUA	20
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miRNA#362	>hsa-miR-424-3p MIMAT0004749	CAAACGUGAGGCGCUGCUAU	21
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miRNA#365	>hsa-miR-18b-5p MIMAT0001412	UAAGGUGCAUCUAGUGCAGUUAG	23
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miRNA#369	>hsa-miR-448 MIMAT0001532	UUGCAUAUGUAGGAUGUCCCAU	22
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miRNA#373	>hsa-miR-431-5p MIMAT0001625	UGUCUUGCAGGCCGUCAUGCA	21
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miRNA#380	>hsa-miR-409-5p MIMAT0001638	AGGUUACCCGAGCAACUUUGCAU	23
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miRNA#382	>hsa-miR-412 MIMAT0002170	ACUUCACCUGGUCCACUAGCCGU	23
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miRNA#401	>hsa-miR-511 MIMAT0002808	GUGUCUUUUGCUCUGCAGUCA	21
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miRNA#416	>hsa-miR-193b-3p MIMAT0002819	AACUGGCCCUCAAAGUCCCGCU	22
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miRNA#434	>hsa-miR-526b-3p MIMAT0002836	GAAAGUGCUUCCUUUUAGAGGC	22
miRNA#435	>hsa-miR-519b-5p MIMAT0005454	CUCUAGAGGGAAGCGCUUUCUG	22
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miRNA#439	>hsa-miR-523-5p MIMAT0005449	CUCUAGAGGGAAGCGCUUUCUG	22
miRNA#440	>hsa-miR-523-3p MIMAT0002840	GAACGCGCUUCCUAUAGAGGGU	23
miRNA#441	>hsa-miR-518f-5p MIMAT0002841	CUCUAGAGGGAAGCACUUUCUC	22
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miRNA#443	>hsa-miR-520b MIMAT0002843	AAAGUGCUUCCUUUUAGAGGG	21
miRNA#444	>hsa-miR-518b MIMAT0002844	CAAAGCGCUCCCCUUUAGAGGU	22
miRNA#445	>hsa-miR-526a MIMAT0002845	CUCUAGAGGGAAGCACUUUCUG	22
miRNA#446	>hsa-miR-520c-5p MIMAT0005455	CUCUAGAGGGAAGCACUUUCUG	22
miRNA#447	>hsa-miR-520c-3p MIMAT0002846	AAAGUGCUUCCUUUUAGAGGGU	22
miRNA#448	>hsa-miR-518c-5p MIMAT0002847	UCUCUGGAGGGAAGCACUUUCUG	23
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miRNA#451	>hsa-miR-524-3p MIMAT0002850	GAAGGCGCUUCCUUUUGGAGU	21
miRNA#452	>hsa-miR-517-5p MIMAT0002851	CCUCUAGAUGGAAGCACUGUCU	22
miRNA#453	>hsa-miR-517a-3p MIMAT0002852	AUCGUGCAUCCUUUAGAGUGU	22
miRNA#454	>hsa-miR-519d MIMAT0002853	CAAAGUGCCUCCUUUAGAGUG	22
miRNA#455	>hsa-miR-521 MIMAT0002854	AACGCACUUCCUUUAGAGUGU	22
miRNA#456	>hsa-miR-520d-5p MIMAT0002855	CUACAAAGGGAAGCCCUUUC	20
miRNA#457	>hsa-miR-520d-3p MIMAT0002856	AAAGUGCUUCUCUUUUGGUGGGU	22
miRNA#458	>hsa-miR-517b-3p MIMAT0002857	AUCGUGCAUCCUUUAGAGUGU	22
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miRNA#460	>hsa-miR-516b-5p MIMAT0002859	AUCUGGAGGUAAGAAGCACUUU	22
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miRNA#462	>hsa-miR-518e-5p MIMAT0005450	CUCUAGAGGGAAGCGCUUUCUG	22
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miRNA#466	>hsa-miR-518d-5p MIMAT0005456	CUCUAGAGGGAAGCACUUUCUG	22
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miRNA#469	>hsa-miR-520h MIMAT0002867	ACAAAGUGCUUCCCUUUAGAGU	22
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miRNA#475	>hsa-miR-516a-5p MIMAT0004770	UUCUCGAGGAAAGAAGCACUUUC	23
miRNA#476	>hsa-miR-516a-3p MIMAT0006778	UGCUUCCUUUCAGAGGGU	18
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miRNA#487	>hsa-miR-503-3p MIMAT0022925	GGGGUUAUUGUUUCCGCUGCCAGG	23
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miRNA#489	>hsa-miR-505-5p MIMAT0004776	GGGAGCCAGGAAGUAUUGAUGU	22
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miRNA#492	>hsa-miR-513a-3p MIMAT0004777	UAAAUUUCACCUUUCUGAGAAGG	23
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miRNA#496	>hsa-miR-508-5p MIMAT0004778	UACUCCAGAGGGCGUCACUCAUG	23
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miRNA#500	>hsa-miR-510 MIMAT0002882	UACUCAGGAGAGUGGCAAUCAC	22
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miRNA#507	>hsa-miR-539-5p MIMAT0003163	GGAGAAAUUAUCCUUGGUGUGU	22
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miRNA#514	>hsa-miR-551a MIMAT0003214	GCGACCCACUCUUGGUUUCCA	21
miRNA#515	>hsa-miR-552 MIMAT0003215	AACAGGUGACUGGUUAGACAA	21
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miRNA#554	>hsa-miR-583 MIMAT0003248	CAAAGAGGAAGGUCCCAUUAC	21
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miRNA#618	>hsa-miR-630 MIMAT0003299	AGUAUUCUGUACCAGGGAAGGU	22
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miRNA#628	>hsa-miR-638 MIMAT0003308	AGGGAUCGCGGGCGGUGGCGGCCU	25
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miRNA#655	>hsa-miR-654-5p MIMAT0003330	UGGUGGGCCGCAGAACAUUGUC	22
miRNA#656	>hsa-miR-654-3p MIMAT0004814	UAUGUCUGCUGACCAUCACCUU	22
miRNA#657	>hsa-miR-655 MIMAT0003331	AUAAUACAUGGUUAACCUCUUU	22
miRNA#658	>hsa-miR-656 MIMAT0003332	AAUAUUUAUACAGUCAACCUCU	21
miRNA#659	>hsa-miR-549a MIMAT0003333	UGACAACUAUGGAUGAGCUCU	21
miRNA#660	>hsa-miR-657 MIMAT0003335	GGCAGGUUCUCACCCUCUCUAGG	23
miRNA#661	>hsa-miR-658 MIMAT0003336	GGCGGAGGGAAGUAGGUCCGUUGGU	25
miRNA#662	>hsa-miR-659-5p MIMAT0022710	AGGACCUUCCCUGAACCAAGGA	22
miRNA#663	>hsa-miR-659-3p MIMAT0003337	CUUGGUUCAGGGAGGGUCCCCA	22
miRNA#664	>hsa-miR-660-5p MIMAT0003338	UACCCAUUGCAUAUCGGAGUUG	22
miRNA#665	>hsa-miR-660-3p MIMAT0022711	ACCUCUGUGUGCAUGGAUUA	21
miRNA#666	>hsa-miR-421 MIMAT0003339	AUCAACAGACAUUAAUUGGGCGC	23
miRNA#667	>hsa-miR-542-5p MIMAT0003340	UCGGGGAUCAUCAUGUCACGAGA	23
miRNA#668	>hsa-miR-542-3p MIMAT0003389	UGUGACAGAUUGAUAAACUGAAA	22
miRNA#669	>hsa-miR-758-5p MIMAT0022929	GAUGGUUGACCAGAGAGCACAC	22
miRNA#670	>hsa-miR-758-3p MIMAT0003879	UUUGUGACCUGGUCCACUAACC	22
miRNA#671	>hsa-miR-1264 MIMAT0005791	CAAGUCUUAUUUGAGCACCUGUU	23
miRNA#672	>hsa-miR-671-5p MIMAT0003880	AGGAAGCCCUGGAGGGGCGUGGAG	23
miRNA#673	>hsa-miR-671-3p MIMAT0004819	UCCGGUUCUCAGGGCUCCACC	21
miRNA#674	>hsa-miR-668 MIMAT0003881	UGUCACUCGGCUCGGCCCACUAC	23
miRNA#675	>hsa-miR-550a-3-5p MIMAT0020925	AGUGCCUGAGGGAGUAAGAG	20
miRNA#676	>hsa-miR-767-5p MIMAT0003882	UGCACCAUGGUUGUCUGAGCAUG	23
miRNA#677	>hsa-miR-767-3p MIMAT0003883	UCUGCUCAUACCCCAUGGUUUCU	23
miRNA#678	>hsa-miR-1224-5p MIMAT0005458	GUGAGGACUCGGGAGGUGG	19
miRNA#679	>hsa-miR-1224-3p MIMAT0005459	CCCCACCUCUCUCUCCUCAG	21
miRNA#680	>hsa-miR-151b MIMAT0010214	UCGAGGAGCUCACAGUCU	18
miRNA#681	>hsa-miR-320b MIMAT0005792	AAAAGCUGGGUUGAGAGGGCAA	22
miRNA#682	>hsa-miR-320c MIMAT0005793	AAAAGCUGGGUUGAGAGGGU	20
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miRNA#684	>hsa-miR-1468 MIMAT0006789	CUCCGUUUGCCUGUUUCGCUG	21
miRNA#685	>hsa-miR-1323 MIMAT0005795	UCAAAACUGAGGGGCAUUUUCU	22
miRNA#686	>hsa-miR-1271-5p MIMAT0005796	CUUGGCACCUAGCAAGCACUCA	22
miRNA#687	>hsa-miR-1271-3p MIMAT0022712	AGUGCCUGCUAUGUGCCAGGCA	22
miRNA#688	>hsa-miR-1301 MIMAT0005797	UUGCAGCUGCCUGGGAGUGACUUC	24
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miRNA#690	>hsa-miR-454-3p MIMAT0003885	UAGUGCAAUAUUGCUUAUAGGGU	23
miRNA#691	>hsa-miR-1185-5p MIMAT0005798	AGAGGAUACCCUUUGUAUGUU	21
miRNA#692	>hsa-miR-1185-2-3p MIMAT0022713	AUAUACAGGGGAGACUCUCAU	22
miRNA#693	>hsa-miR-449c-5p MIMAT0010251	UAGGCAGUGUAUUGCUAGCGGCUGU	25
miRNA#694	>hsa-miR-449c-3p MIMAT0013771	UUGCUAGUUGCACUCCUCUCUGU	23
miRNA#695	>hsa-miR-1283 MIMAT0005799	UCUACAAAGGAAAGCGCUUUCU	22
miRNA#696	>hsa-miR-769-5p MIMAT0003886	UGAGACCUCUGGGUUCUGAGCU	22
miRNA#697	>hsa-miR-769-3p MIMAT0003887	CUGGGAUCUCCGGGGUCUUGGUU	23
miRNA#698	>hsa-miR-766-5p MIMAT0022714	AGGAGGAUUGGUGCUGGUCUU	22
miRNA#699	>hsa-miR-766-3p MIMAT0003888	ACUCCAGCCCCACAGCCUCAGC	22

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miRNA#701	>hsa-miR-1185-1-3p MIMAT0022838	AUAUACAGGGGAGACUCUUAU	22
miRNA#702	>hsa-miR-762 MIMAT0010313	GGGGCUGGGGCCGGGGCCGAGC	22
miRNA#703	>hsa-miR-802 MIMAT0004185	CAGUAACAAAGAUUCAUCCUUGU	23
miRNA#704	>hsa-miR-670 MIMAT0010357	GUCCCUGAGUGUAUGUGGUG	20
miRNA#705	>hsa-miR-1298 MIMAT0005800	UUCAUUCGGCUGUCCAGAUGUA	22
miRNA#706	>hsa-miR-2113 MIMAT0009206	AUUUGUGCUUGGCUCUGUCAC	21
miRNA#707	>hsa-miR-761 MIMAT0010364	GCAGCAGGGUGAAACUGACACA	22
miRNA#708	>hsa-miR-764 MIMAT0010367	GCAGGUGCUCACUUGUCCUCCU	22
miRNA#709	>hsa-miR-759 MIMAT0010497	GCAGAGUGCAAACAAUUUUGAC	22
miRNA#710	>hsa-miR-765 MIMAT0003945	UGGAGGAGAAGGAAGGUGAUG	21
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miRNA#712	>hsa-miR-675-5p MIMAT0004284	UGGUGCGGAGAGGGCCCACAGUG	23
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miRNA#715	>hsa-miR-891a MIMAT0004902	UGCAACGAACCUGAGCCACUGA	22
miRNA#716	>hsa-miR-300 MIMAT0004903	UAUACAAGGGCAGACUCUCUCU	22
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miRNA#720	>hsa-miR-874 MIMAT0004911	CUGCCCUGGCCCAGGGACCGA	22
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miRNA#723	>hsa-miR-888-5p MIMAT0004916	UACUAAAAAGCUGUCAGUCA	21
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miRNA#725	>hsa-miR-892b MIMAT0004918	CACUGGCUCCUUUCUGGGUAGA	22
miRNA#726	>hsa-miR-541-5p MIMAT0004919	AAAGGAUUCUGCUGUCGGUCCACU	25
miRNA#727	>hsa-miR-541-3p MIMAT0004920	UGGUGGGCACAGAAUCUGGACU	22
miRNA#728	>hsa-miR-889 MIMAT0004921	UUAAUAUCGGACAACCAUUGU	21
miRNA#729	>hsa-miR-875-5p MIMAT0004922	UAUACCUCAGUUUUAUCAGGUG	22
miRNA#730	>hsa-miR-875-3p MIMAT0004923	CCUGGAAACACUGAGGUUGUG	21
miRNA#731	>hsa-miR-876-5p MIMAT0004924	UGGAUUUCUUUGUGAAUACCA	22
miRNA#732	>hsa-miR-876-3p MIMAT0004925	UGGUGGUUUACAAAGUAAUUCA	22
miRNA#733	>hsa-miR-708-5p MIMAT0004926	AAGGAGCUUACAAUCUAGCUGGG	23
miRNA#734	>hsa-miR-708-3p MIMAT0004927	CAACUAGACUGUGAGCUUCUAG	22
miRNA#735	>hsa-miR-147b MIMAT0004928	GUGUGCGGAAAUVCUUCUGCUA	22
miRNA#736	>hsa-miR-190b MIMAT0004929	UGAUUAUGUUUGAUUUUGGGUU	21
miRNA#737	>hsa-miR-744-5p MIMAT0004945	UGCGGGGCUAGGGCUAACAGCA	22
miRNA#738	>hsa-miR-744-3p MIMAT0004946	CUGUUGCCACUAACCUCUACCU	22
miRNA#739	>hsa-miR-885-5p MIMAT0004947	UCCAUUACACUACCCUGCCUCU	22
miRNA#740	>hsa-miR-885-3p MIMAT0004948	AGGCAGCGGGGUGUAGUGGAUA	22
miRNA#741	>hsa-miR-877-5p MIMAT0004949	GUAGAGGAGAUGGCGCAGGG	20
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miRNA#743	>hsa-miR-887 MIMAT0004951	GUGAACGGGCGCCAUCCCGAGG	22
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miRNA#745	>hsa-miR-873-5p MIMAT0004953	GCAGGAACUUGUGAGUCUCCU	21
miRNA#746	>hsa-miR-873-3p MIMAT0022717	GGAGACUGAUGAGUUCGCGGA	22

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miRNA#749	>hsa-miR-374b-3p MIMAT0004956	CUUAGCAGGUUGUAUUUAUCAUU	22
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miRNA#751	>hsa-miR-301b MIMAT0004958	CAGUGCAAUGAUUUUGUCAAGC	23
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miRNA#753	>hsa-miR-208b MIMAT0004960	AUAAGACGAACAAAAGGUUUGU	22
miRNA#754	>hsa-miR-920 MIMAT0004970	GGGGAGCUGUGGAAGCAGUA	20
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miRNA#756	>hsa-miR-922 MIMAT0004972	GCAGCAGAGAAUAGGACUACGUC	23
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miRNA#759	>hsa-miR-933 MIMAT0004976	UGUGCGCAGGGAGACCUCUCCC	22
miRNA#760	>hsa-miR-934 MIMAT0004977	UGUCUACUACUGGAGACACUGG	22
miRNA#761	>hsa-miR-935 MIMAT0004978	CCAGUUACCGCUUCCGCUACCGC	23
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miRNA#763	>hsa-miR-937-5p MIMAT0022938	GUGAGUCAGGGUGGGGUGG	20
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miRNA#765	>hsa-miR-938 MIMAT0004981	UGCCCUUAAAGGUGAACCCAGU	22
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miRNA#767	>hsa-miR-939-3p MIMAT0022939	CCCUGGGCCUCUGCUCCCCAG	21
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miRNA#771	>hsa-miR-943 MIMAT0004986	CUGACUGUUGCCGUCCUCCAG	21
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miRNA#773	>hsa-miR-297 MIMAT0004450	AUGUAUGUGUGCAUGUGCAUG	21
miRNA#774	>hsa-miR-1178-5p MIMAT0022940	CAGGGUCAGCUGAGCAUG	18
miRNA#775	>hsa-miR-1178-3p MIMAT0005823	UUGCUCACUGUUCUUCCCUAG	21
miRNA#776	>hsa-miR-1179 MIMAT0005824	AAGCAUUCUUUCAUUGGUUGG	21
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miRNA#780	>hsa-miR-1183 MIMAT0005828	CACUGUAGGUGAUGGUGAGAGUGGGC	27
miRNA#781	>hsa-miR-1184 MIMAT0005829	CCUGCAGCGACUUGAUGGCUUCC	23
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miRNA#799	>hsa-miR-1237-5p MIMAT0022946	CGGGGGCGGGGCCGAAGCGCG	21
miRNA#800	>hsa-miR-1237-3p MIMAT0005592	UCCUUCUGCUCCGUCCCCAG	21
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miRNA#803	>hsa-miR-1200 MIMAT0005863	CUCCUGAGCCAUUCUGAGCCUC	22
miRNA#804	>hsa-miR-1202 MIMAT0005865	GUGCCAGCUGCAGUGGGGGAG	21
miRNA#805	>hsa-miR-1203 MIMAT0005866	CCCGGAGCCAGGAUGCAGCUC	21
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miRNA#830	>hsa-miR-1303 MIMAT0005891	UUUAGAGACGGGGUCUUGCUCU	22
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miRNA#839	>hsa-miR-1247-5p MIMAT0005899	ACCCGUCCCGUUCGUCCCCGGA	22
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miRNA#871	>hsa-miR-1276 MIMAT0005930	UAAAGAGCCCUGUGGAGACA	20
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miRNA#878	>hsa-miR-1278 MIMAT0005936	UAGUACUGUGCAUAUCAUCUAU	22
miRNA#879	>hsa-miR-1279 MIMAT0005937	UCAUAUUGCUUCUUUCU	17
miRNA#880	>hsa-miR-1281 MIMAT0005939	UCGCCUCCUCCUCUCC	17
miRNA#881	>hsa-miR-1282 MIMAT0005940	UCGUUUGCCUUUUUCUGCUU	20
miRNA#882	>hsa-miR-1284 MIMAT0005941	UCUAUACAGACCCUGGCUUUUC	22
miRNA#883	>hsa-miR-1288 MIMAT0005942	UGGACUGCCCUGAUCUGGAGA	21
miRNA#884	>hsa-miR-1292-5p MIMAT0005943	UGGGAACGGGUUCCGGCAGACGUG	25
miRNA#885	>hsa-miR-1292-3p MIMAT0022948	UCGCGCCCCGCUCCCGUUC	20
miRNA#886	>hsa-miR-1252 MIMAT0005944	AGAAGGAAAUUGAAUUAUUUA	22
miRNA#887	>hsa-miR-1255b-5p MIMAT0005945	CGGAUGAGCAAAGAAAGUGGUU	22

miRNA#888	>hsa-miR-1255b-2-3p MIMAT0022725	AACCACUUUCUUUGCUCAUCCA	22
miRNA#889	>hsa-miR-664a-5p MIMAT0005948	ACUGGCUAGGGAAAAUGAUUGGAU	24
miRNA#890	>hsa-miR-664a-3p MIMAT0005949	UAUUAUUUAUCCCCAGCCUACA	23
miRNA#891	>hsa-miR-1306-5p MIMAT0022726	CCACCUCUUUGCAAACGUCCA	22
miRNA#892	>hsa-miR-1306-3p MIMAT0005950	ACGUUGGCUCUGGUGGUG	18
miRNA#893	>hsa-miR-1307-5p MIMAT0022727	UCGACCGGACCUCGACCGGCU	21
miRNA#894	>hsa-miR-1307-3p MIMAT0005951	ACUCGGCGUGGCGUCGGUCGUG	22
miRNA#895	>hsa-miR-513b MIMAT0005788	UUCACAAGGAGGUGUCAUUUAU	22
miRNA#896	>hsa-miR-513c-5p MIMAT0005789	UUCUCAAGGAGGUGUCGUUUUAU	22
miRNA#897	>hsa-miR-513c-3p MIMAT0022728	UAAAUUUCACCUUUCUGAGAAGA	23
miRNA#898	>hsa-miR-1321 MIMAT0005952	CAGGGAGGUGAAUGUGAU	18
miRNA#899	>hsa-miR-1322 MIMAT0005953	GAUGAUGCUGCUGAUGCUG	19
miRNA#900	>hsa-miR-1197 MIMAT0005955	UAGGACACAUGGUCUACUUCU	21
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miRNA#902	>hsa-miR-1469 MIMAT0007347	CUCGGCGCGGGGCGGGGCUCC	22
miRNA#903	>hsa-miR-1470 MIMAT0007348	GCCCUCCGCCCCGUGCACCCCG	21
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miRNA#905	>hsa-miR-1537 MIMAT0007399	AAAACCGUCUAGUUACAGUUGU	22
miRNA#906	>hsa-miR-1538 MIMAT0007400	CGGCCCCGGCUGCUGCUUCCU	23
miRNA#907	>hsa-miR-1539 MIMAT0007401	UCCUGCGGUGCCAGAUGCCC	21
miRNA#908	>hsa-miR-103b MIMAT0007402	UCAUAGCCUGUACAAUGCUGCU	23
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miRNA#911	>hsa-miR-1827 MIMAT0006767	UGAGGCAGUAGAUUGAAU	18
miRNA#912	>hsa-miR-1908 MIMAT0007881	CGGCGGGGACGGCGAUUGGUC	21
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miRNA#914	>hsa-miR-1909-3p MIMAT0007883	CGCAGGGGCGGGGUGCACCCG	22
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miRNA#917	>hsa-miR-1911-3p MIMAT0007886	CACCAGGCAUUGUGGUCUCC	20
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miRNA#921	>hsa-miR-1914-3p MIMAT0007890	GGAGGGGUGCCGCACUGGGAGG	22
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miRNA#923	>hsa-miR-1915-3p MIMAT0007892	CCCCAGGGCGACGCGGCGGG	20
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miRNA#925	>hsa-miR-1973 MIMAT0009448	ACCGUGCAAAGGUAGCAUA	19
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miRNA#929	>hsa-miR-2054 MIMAT0009979	CUGUAAUUAUUUUUAAUUUAU	23
miRNA#930	>hsa-miR-2110 MIMAT0010133	UUGGGGAAACGGCCGUGAGUG	22
miRNA#931	>hsa-miR-2114-5p MIMAT0011156	UAGUCCCUUCCUUGAAGCGGUC	22
miRNA#932	>hsa-miR-2114-3p MIMAT0011157	CGAGCCUCAAGCAAGGGACUU	21
miRNA#933	>hsa-miR-2115-5p MIMAT0011158	AGCUUCCAUGACUCCUGAUGGA	22
miRNA#934	>hsa-miR-2115-3p MIMAT0011159	CAUCAGAAUUCAUGGAGGCUAG	22

miRNA#935	>hsa-miR-2116-5p MIMAT0011160	GGUUCUUAGCAUAGGAGGUCU	21
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miRNA#937	>hsa-miR-2117 MIMAT0011162	UGUUCUCUUUGCCAAGGACAG	21
miRNA#938	>hsa-miR-548q MIMAT0011163	GCUGGUGCAAAAGUAAUGGCGG	22
miRNA#939	>hsa-miR-2276 MIMAT0011775	UCUGCAAGUGUCAGAGGCGAGG	22
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miRNA#945	>hsa-miR-2682-5p MIMAT0013517	CAGGCAGUGACUGUUCAGACGUC	23
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miRNA#947	>hsa-miR-711 MIMAT0012734	GGGACCCAGGGAGAGACGUAAG	22
miRNA#948	>hsa-miR-718 MIMAT0012735	CUUCCGCCCCGCCGGGCGUCG	21
miRNA#949	>hsa-miR-2861 MIMAT0013802	GGGGCCUGGCGGUGGGCGG	19
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miRNA#951	>hsa-miR-3115 MIMAT0014977	AUAUGGGUUUACUAGUUGGU	20
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miRNA#953	>hsa-miR-3117-5p MIMAT0019197	AGACACUAUACGAGUCAUUAU	20
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miRNA#985	>hsa-miR-544b MIMAT0015004	ACCUGAGGUUGUGCAUUUCUAA	22
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miRNA#1322	>hsa-miR-374c-3p MIMAT0022735	CACUUAGCAGGUUGUAUUUAU	22
miRNA#1323	>hsa-miR-642b-5p MIMAT0022736	GGUCCCCUCUCCAAUGUGUCU	22
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miRNA#1330	>hsa-miR-1268b MIMAT0018925	CGGGCGUGGUGGUGGGGGUG	20
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miRNA#1332	>hsa-miR-548ab MIMAT0018928	AAAAGUAAUUGUGGAUUUUGCU	22
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miRNA#1965	>hsa-miR-6082 MIMAT0023707	GAAUACGUCUGGUUGAUCC	19
miRNA#1966	>hsa-miR-6083 MIMAT0023708	CUUAUAUCAGAGGCUGUGGG	20
miRNA#1967	>hsa-miR-6084 MIMAT0023709	UUCCGCCAGUCGGUGGCCGG	20
miRNA#1968	>hsa-miR-6085 MIMAT0023710	AAGGGGCUGGGGAGCACA	19

miRNA#1969	>hsa-miR-6086 MIMAT0023711	GGAGGUUGGGAAGGGCAGAG	20
miRNA#1970	>hsa-miR-6087 MIMAT0023712	UGAGGCGGGGGGCGGAGC	18
miRNA#1971	>hsa-miR-6088 MIMAT0023713	AGAGAUGAAGCGGGGGGCG	20
miRNA#1972	>hsa-miR-6089 MIMAT0023714	GGAGGCCGGGGUGGGGCGGGGCGG	24
miRNA#1973	>hsa-miR-6090 MIMAT0023715	GGGGAGCGAGGGGCGGGGC	19
miRNA#1974	>hsa-miR-6124 MIMAT0024597	GGGAAAAGGAAGGGGGAGGA	20
miRNA#1975	>hsa-miR-6125 MIMAT0024598	GCGGAAGGCGGAGCGGCGGA	20
miRNA#1976	>hsa-miR-6126 MIMAT0024599	GUGAAGGCCCGGCGGAGA	18
miRNA#1977	>hsa-miR-6127 MIMAT0024610	UGAGGGAGUGGGUGGGAGG	19
miRNA#1978	>hsa-miR-6128 MIMAT0024611	ACUGGAAUUGGAGUCAAAA	19
miRNA#1979	>hsa-miR-378j MIMAT0024612	ACUGGAUUUGGAGCCAGAA	19
miRNA#1980	>hsa-miR-6129 MIMAT0024613	UGAGGGAGUUGGGUGUAUA	19
miRNA#1981	>hsa-miR-6130 MIMAT0024614	UGAGGGAGUGGAUUGUAUG	19
miRNA#1982	>hsa-miR-6131 MIMAT0024615	GGCUGGUCAGAUGGGAGUG	19
miRNA#1983	>hsa-miR-6132 MIMAT0024616	AGCAGGGCUGGGGAUUGCA	19
miRNA#1984	>hsa-miR-6133 MIMAT0024617	UGAGGGAGGAGGUUGGGUA	19
miRNA#1985	>hsa-miR-6134 MIMAT0024618	UGAGGUGGUAGGAUGUAGA	19
miRNA#1986	>hsa-miR-6165 MIMAT0024782	CAGCAGGAGGUGAGGGGAG	19
miRNA#1987	>hsa-miR-6499-5p MIMAT0025450	UCGGGCGCAAGAGCACUGCAGU	22
miRNA#1988	>hsa-miR-6499-3p MIMAT0025451	AGCAGUGUUUGUUUUGCCCACA	22
miRNA#1989	>hsa-miR-548ay-5p MIMAT0025452	AAAAGUAAUUGUGUUUUUUGC	21
miRNA#1990	>hsa-miR-548ay-3p MIMAT0025453	CAAACCGCGAUUACUCUUGCA	22
miRNA#1991	>hsa-miR-6500-5p MIMAT0025454	AGGAGCUAUCCACUCCAGGUGUCC	24
miRNA#1992	>hsa-miR-6500-3p MIMAT0025455	ACACUUGUUGGGAUGACCUGC	21
miRNA#1993	>hsa-miR-548az-5p MIMAT0025456	CAAAGUGAUUUGUGUUUUUUGC	22
miRNA#1994	>hsa-miR-548az-3p MIMAT0025457	AAAAACUGCAAUCACUUUUGC	21
miRNA#1995	>hsa-miR-6501-5p MIMAT0025458	AGUUGCCAGGGCUGCCUUUGGU	22
miRNA#1996	>hsa-miR-6501-3p MIMAT0025459	CCAGAGCAGCCUGCGGUAACAGU	23
miRNA#1997	>hsa-miR-6502-5p MIMAT0025460	AGCUCUAGAAAGAUUGUUGACC	22
miRNA#1998	>hsa-miR-6502-3p MIMAT0025461	UAGACCAUCUUUCUAGAGUAU	21
miRNA#1999	>hsa-miR-6503-5p MIMAT0025462	AGGUCUGCAUUCAAAUCCCCAGA	23
miRNA#2000	>hsa-miR-6503-3p MIMAT0025463	GGGACUAGGAUGCAGACCUCC	21
miRNA#2001	>hsa-miR-6504-5p MIMAT0025464	UCUGGCUGUGCUGUAAUGCAG	21
miRNA#2002	>hsa-miR-6504-3p MIMAT0025465	CAUUCACGCACAGCCAUUCU	20
miRNA#2003	>hsa-miR-6505-5p MIMAT0025466	UUGGAAUAGGGGAUAUCUCAGC	22
miRNA#2004	>hsa-miR-6505-3p MIMAT0025467	UGACUUCUACCUCUCCAAAG	21
miRNA#2005	>hsa-miR-6506-5p MIMAT0025468	ACUGGGAUGUCACUGAAUAUGGU	23
miRNA#2006	>hsa-miR-6506-3p MIMAT0025469	UCGUUACAGAGAUUCCAGACAC	22
miRNA#2007	>hsa-miR-6507-5p MIMAT0025470	GAAGAAUAGGAGGGACUUUGU	21
miRNA#2008	>hsa-miR-6507-3p MIMAT0025471	CAAAGUCCUCCUAUUUUUCCC	22
miRNA#2009	>hsa-miR-6508-5p MIMAT0025472	UCUAGAAAUGCAUGACCCACC	21
miRNA#2010	>hsa-miR-6508-3p MIMAT0025473	UGGGCCAUGCAUUUCUAGAACU	22
miRNA#2011	>hsa-miR-6509-5p MIMAT0025474	AUUAGGUAGUGGCAGUGGAAC	21
miRNA#2012	>hsa-miR-6509-3p MIMAT0025475	UUCCACUGCCACUACCUAAUUU	22
miRNA#2013	>hsa-miR-6510-5p MIMAT0025476	CAGCAGGGGAGAGAGAGGAGUC	22
miRNA#2014	>hsa-miR-6510-3p MIMAT0025477	CACCGACUCUGUCUCCUGCAG	21
miRNA#2015	>hsa-miR-6511a-5p MIMAT0025478	CAGGCAGAAGUGGGCUGACAGG	23

miRNA#2016	>hsa-miR-6511a-3p MIMAT0025479	CCUCACCAUCCCUUCUGCCUGC	22
miRNA#2017	>hsa-miR-6512-5p MIMAT0025480	UACCAUUGAAGAGCUGGAAGA	22
miRNA#2018	>hsa-miR-6512-3p MIMAT0025481	UUCCAGCCCUUCUAAUGGUAGG	22
miRNA#2019	>hsa-miR-6513-5p MIMAT0025482	UUUGGGAUUGACGCCACAUGUCU	23
miRNA#2020	>hsa-miR-6513-3p MIMAT0025483	UCAAGUGUCAUCUGUCCCUAG	21
miRNA#2021	>hsa-miR-6514-5p MIMAT0025484	UAUGGAGUGGACUUUCAGCUGGC	23
miRNA#2022	>hsa-miR-6514-3p MIMAT0025485	CUGCCUGUUCUCCACUCCAG	21
miRNA#2023	>hsa-miR-6515-5p MIMAT0025486	UUGGAGGGUGUGGAAGACAUC	21
miRNA#2024	>hsa-miR-6515-3p MIMAT0025487	UCUCUUCAUCUACCCCCAG	20
miRNA#2025	>hsa-miR-6715a-3p MIMAT0025841	CCAAACCAGUCGUGCCUGUGG	21
miRNA#2026	>hsa-miR-6715b-5p MIMAT0025842	ACAGGCACGACUGGUUUGGCA	21
miRNA#2027	>hsa-miR-6715b-3p MIMAT0025843	CUCAAACCGGCUGUGCCUGUGG	22
miRNA#2028	>hsa-miR-6716-5p MIMAT0025844	UGGGAAUGGGGGUAAGGGCC	20
miRNA#2029	>hsa-miR-6716-3p MIMAT0025845	UCCGAACUCUCCAUCCUCUGC	22
miRNA#2030	>hsa-miR-6717-5p MIMAT0025846	AGGCGAUGUGGGGAUGUAGAGA	22
miRNA#2031	>hsa-miR-6511b-5p MIMAT0025847	CUGCAGGCAGAAGUGGGGCUGACA	24
miRNA#2032	>hsa-miR-6511b-3p MIMAT0025848	CCUCACCACCCCUUCUGCCUGCA	23
miRNA#2033	>hsa-miR-6718-5p MIMAT0025849	UAGUGGUCAGAGGGCUUAUGA	21
miRNA#2034	>hsa-miR-6719-3p MIMAT0025850	UCUGACAUCAGUGAUUCUCCUG	22
miRNA#2035	>hsa-miR-6720-3p MIMAT0025851	CGCGCCUGCAGGAACUGGUAGA	22
miRNA#2036	>hsa-miR-6721-5p MIMAT0025852	UGGGCAGGGGCUUAUUGUAGGAG	23
miRNA#2037	>hsa-miR-6722-5p MIMAT0025853	AGGCGCACCCGACCACAUGC	20
miRNA#2038	>hsa-miR-6722-3p MIMAT0025854	UGCAGGGGUCGGGUGGGCCAGG	22
miRNA#2039	>hsa-miR-6723-5p MIMAT0025855	AUAGUCCGAGUAACGUCGGGGC	22
miRNA#2040	>hsa-miR-6724-5p MIMAT0025856	CUGGGCCCGCGGCGGGCGUGGGG	23
miRNA#2041	>hsa-miR-892c-5p MIMAT0025857	UAUUCAGAAAGGUGCCAGUCA	21
miRNA#2042	>hsa-miR-892c-3p MIMAT0025858	CACUGUUUCCUUUCUGAGUGGA	22

* **Note:** entire insert sequence (the precursor miRNA with its flanking sequences) is available upon requested after the order.