

Official Symbol	Accession	Target Note	Target Sequence
hsa-let-7a-5p	MIMAT0000062		UGAGGUAGUAGGUUGUAUAGUU
hsa-let-7b-5p	MIMAT0000063		UGAGGUAGUAGGUUGUGUGUU
hsa-let-7c-5p	MIMAT0000064		UGAGGUAGUAGGUUGUAUAGUU
hsa-let-7d-5p	MIMAT0000065		AGAGGUAGUAGGUUGCAUAGUU
hsa-let-7e-5p	MIMAT0000066		UGAGGUAGGAGGUUGUAUAGUU
hsa-let-7f-5p	MIMAT0000067		UGAGGUAGUAGAUUGUAUAGUU
hsa-miR-15a-5p	MIMAT0000068		UAGCAGCACAUAAUGGUUUUGUG
hsa-miR-16-5p	MIMAT0000069		UAGCAGCACGUAAAUAUUGGCG
hsa-miR-17-5p	MIMAT0000070	*2	CAAAGUGCUUACAGUGCAGGUAG
hsa-miR-18a-5p	MIMAT0000072		UAAGGUGCAUCUAGUGCAGAUAG
hsa-miR-19a-3p	MIMAT0000073		UGUGCAAUUCUAUGCAAACUGA
hsa-miR-19b-3p	MIMAT0000074		UGUGCAAUUCUAGCAAACUGA
hsa-miR-20a-5p	MIMAT0000075	*1	UAAAGUGCUUUAUAGUGCAGGUAG
hsa-miR-21-5p	MIMAT0000076		UAGCUUAUCAGACUGAUGUUGA
hsa-miR-22-3p	MIMAT0000077		AAGCUGCCAGUUGAAGAACUGU
hsa-miR-23a-3p	MIMAT0000078		AUCACAUUGCCAGGGAUUUCC
hsa-miR-24-3p	MIMAT0000080		UGGCUCAGUUCAGCAGGAACAG
hsa-miR-25-3p	MIMAT0000081		CAUUGCACUUGUCUCGGUCUGA
hsa-miR-26a-5p	MIMAT0000082		UUCAAGUAAUCCAGGAUAGGCU
hsa-miR-26b-5p	MIMAT0000083		UUCAAGUAAUUCAGGAUAGGU
hsa-miR-27a-3p	MIMAT0000084		UUCACAGUGGCUAAGUUCGCG
hsa-miR-28-5p	MIMAT0000085		AAGGAGCUCACAGUCUAUUGAG
hsa-miR-29a-3p	MIMAT0000086		UAGCACCAUCUGAAUCCGUUA
hsa-miR-30a-5p	MIMAT0000087		UGUAAACAUCUCGACUGGAAG
hsa-miR-30a-3p	MIMAT0000088		CUUUCAGUCGGAUGUUUGCAGC
hsa-miR-31-5p	MIMAT0000089		AGCAAGAUGCUGGCAUAGCU
hsa-miR-32-5p	MIMAT0000090		UAUUGCACAUUACUAAGUUGCA
hsa-miR-33a-5p	MIMAT0000091		GUGCAUUGUAGUUGCAUUGCA
hsa-miR-92a-3p	MIMAT0000092		UAUUGCACUUGUCCCGCCUGU
hsa-miR-93-5p	MIMAT0000093		CAAAGUGCUGUUCGUGCAGGUAG
hsa-miR-95-3p	MIMAT0000094		UUCAACGGGUUUUAUUGAGCA
hsa-miR-96-5p	MIMAT0000095		UUUGGCACUAGCACAUUUUUGCU
hsa-miR-98-5p	MIMAT0000096		UGAGGUAGUAGUUGUAUUGUU
hsa-miR-99a-5p	MIMAT0000097		AACCCGUAGAUCCGAUCUUGUG
hsa-miR-100-5p	MIMAT0000098		AACCCGUAGAUCCGAUCUUGUG
hsa-miR-101-3p	MIMAT0000099		UACAGUACUGGAUAACUGAA
hsa-miR-29b-3p	MIMAT0000100		UAGCACCAUUUGAAUUCAGUGUU
hsa-miR-103a-3p	MIMAT0000101		AGCAGCAUUGUACAGGGCUAUGA
hsa-miR-105-5p	MIMAT0000102		UCAAAUGCUCAGACUCCUGUGGU
hsa-miR-106a-5p	MIMAT0000103	*2	AAAAGUGCUUACAGUGCAGGUAG
hsa-miR-107	MIMAT0000104		AGCAGCAUUGUACAGGGCUAUGA
hsa-miR-192-5p	MIMAT0000222		CUGACCUAUGAAUUGACAGCC
hsa-miR-196a-5p	MIMAT0000226		UAGGUAGUUCUAGUUGUUGGG
hsa-miR-197-3p	MIMAT0000227		UUCACACCUUUCUCCACCCAGC
hsa-miR-198	MIMAT0000228		GGUCCAGAGGGGAGAUAGGUUC
hsa-miR-199a-5p	MIMAT0000231		CCCAGUGUUCAGACUACCUGUUC
hsa-miR-199a-3p	MIMAT0000232	*3	ACAGUAGUCUGCACAUUGGUUA
hsa-miR-208a-3p	MIMAT0000241		AUAAGACGAGCAAAAGCUUGU
hsa-miR-129-5p	MIMAT0000242		CUUUUUGCGGUCUGGGCUUGC
hsa-miR-148a-3p	MIMAT0000243		UCAGUGCACUACAGAACUUUGU
hsa-miR-30c-5p	MIMAT0000244		UGUAAACAUCUACACUCUCAGC
hsa-miR-30d-5p	MIMAT0000245		UGUAAACAUCUCCGACUGGAAG
hsa-miR-139-5p	MIMAT0000250		UCUACAGUGCACGUGUCUCCAG
hsa-miR-147a	MIMAT0000251		GUGUGUGGAAUUGCUUCUCG
hsa-miR-7-5p	MIMAT0000252		UGGAAGACUAGUAAUUUGUUGU
hsa-miR-10a-5p	MIMAT0000253		UACCCUGUAGAUCCGAAUUUGUG
hsa-miR-10b-5p	MIMAT0000254		UACCCUGUAGAUCCGAAUUUGUG
hsa-miR-34a-5p	MIMAT0000255		UGGCAGUGUCUAGCUGGUUGU
hsa-miR-181a-5p	MIMAT0000256		AACAUUCAACGUCUGCGGUGAGU
hsa-miR-181b-5p	MIMAT0000257	*4	AACAUUCAUUGCUGUCGGUGGGU
hsa-miR-181c-5p	MIMAT0000258		AACAUUCAACGUCUGCGGUGAGU
hsa-miR-182-5p	MIMAT0000259		UUUGGCAUUGGUAAGAACUCACACU
hsa-miR-182-3p	MIMAT0000260		UGGUUCUAGACUUGCCAACUA
hsa-miR-183-5p	MIMAT0000261		UAUGGCACUGGUAGAAUUCACU
hsa-miR-187-3p	MIMAT0000262		UCCGUGUCUUGUGUUGCAGCCGG
hsa-miR-199b-5p	MIMAT0000263		CCCAGUGUUUAGACUAUCUGUUC
hsa-miR-203a-3p	MIMAT0000264		GUGAAAUGUUUAGGACCACUAG
hsa-miR-204-5p	MIMAT0000265		UUCUUUUGUCAUCUUAUGCCU
hsa-miR-205-5p	MIMAT0000266		UCCUUAUUCACCCGGAGUCUG

hsa-miR-210-3p	MIMAT0000267	CUGUGCGUGUGACAGCGGCUGA
hsa-miR-211-5p	MIMAT0000268	UUCUUUUUGUCAUCCUUCGCCU
hsa-miR-212-3p	MIMAT0000269	UAAACAGUCUCCAGUCACGGCC
hsa-miR-181a-3p	MIMAT0000270	ACCAUCGACCGUUGAUUGUACC
hsa-miR-214-3p	MIMAT0000271	ACAGCAGGCACAGACAGGCAGU
hsa-miR-215-5p	MIMAT0000272	AUGACCUAUGAAUUGACAGAC
hsa-miR-216a-5p	MIMAT0000273	UAAUCUCAGCUGGCAACUGUGA
hsa-miR-217	MIMAT0000274	UACUGCAUCAGGAACUGAUUGGA
hsa-miR-218-5p	MIMAT0000275	UUGUGCUUGAUCUAACCAUGU
hsa-miR-219a-5p	MIMAT0000276	UGAUUGUCCAAACGCAAUUCU
hsa-miR-221-3p	MIMAT0000278	AGCUACAUUGUCUGUGGGUUUC
hsa-miR-222-3p	MIMAT0000279	AGCUACAUUGGCUACUGGGU
hsa-miR-223-3p	MIMAT0000280	UGUCAGUUUGUCAAAUACCCCA
hsa-miR-224-5p	MIMAT0000281	CAAGUCACUAGUGGUUCCGUU
hsa-miR-200b-3p	MIMAT0000318	UAAUACUGCCUGGUAUUGAUGA
hsa-let-7g-5p	MIMAT0000414	UGAGGUAGUAGUUUGUACAGUU
hsa-let-7i-5p	MIMAT0000415	UGAGGUAGUAGUUUGUGCUGUU
hsa-miR-1-3p	MIMAT0000416	UGGAAUGUAAAAGAAGUAGUUAU
hsa-miR-15b-5p	MIMAT0000417	UAGCAGCACAUCAUGGUUUACA
hsa-miR-23b-3p	MIMAT0000418	AUCACAUUGCCAGGGAUUACC
hsa-miR-27b-3p	MIMAT0000419	UUCACAGUGGCUAAGUUCUGC
hsa-miR-30b-5p	MIMAT0000420	UGUAAACAUCUACACUCAGCU
hsa-miR-122-5p	MIMAT0000421	UGGAGUGUGACAAUGGUGUUUG
hsa-miR-124-3p	MIMAT0000422	UAAGGCACGCGGUGAAUGCC
hsa-miR-125b-5p	MIMAT0000423	UCCUGAGACCCUAAUUGUGA
hsa-miR-128-3p	MIMAT0000424	UCACAGUGAACCGGUCUCUUU
hsa-miR-130a-3p	MIMAT0000425	CAGUGCAAUGUUAAAAGGGCAU
hsa-miR-132-3p	MIMAT0000426	UAAACAGUCUACAGCCAUUGGUCG
hsa-miR-133a-3p	MIMAT0000427	UUUGGUCCCUUCAACCAGCUG
hsa-miR-135a-5p	MIMAT0000428	UAUGGCUUUUUUUAUCCUUGUGA
hsa-miR-137	MIMAT0000429	UUUUGCUUUAAGAAUACGGUAG
hsa-miR-138-5p	MIMAT0000430	AGCUGGUGUUGUGAAUCAGGCCG
hsa-miR-140-5p	MIMAT0000431	CAGUGGUUUUACCCUUAUGGUAG
hsa-miR-141-3p	MIMAT0000432	UAAACACUGUCUGGUAAGAUUGG
hsa-miR-142-5p	MIMAT0000433	CAUAAAAGUAGAAAGCACUACU
hsa-miR-142-3p	MIMAT0000434	UGUAGUGUUCCUACUUUAUGGA
hsa-miR-143-3p	MIMAT0000435	UGAGAUGAAGCACUGUAGCUC
hsa-miR-144-3p	MIMAT0000436	UACAGUAUAGAUGAUGUACU
hsa-miR-145-5p	MIMAT0000437	GUCCAGUUUCCAGGAUCCCU
hsa-miR-152-3p	MIMAT0000438	UCAGUGCAUGACAGAACUUGG
hsa-miR-153-3p	MIMAT0000439	UUGCAUAGUCACAAAAGUGAUC
hsa-miR-191-5p	MIMAT0000440	CAACGGAAUCCAAAAGCAGCUG
hsa-miR-9-5p	MIMAT0000441	UCUUUGGUUAUCUAGCUGUAUGA
hsa-miR-125a-5p	MIMAT0000443	UCCUGAGACCCUUUAACCUUGUGA
hsa-miR-126-3p	MIMAT0000445	UCGUACCGUGAGUAAUUAUGCG
hsa-miR-127-3p	MIMAT0000446	UCGGAUCCGUCUGAGCUUGGCU
hsa-miR-134-5p	MIMAT0000447	*5 UGUGACUGGUUGACCAGAGGGG
hsa-miR-136-5p	MIMAT0000448	ACUCCAUUUUGUUUGAUGAUGGA
hsa-miR-146a-5p	MIMAT0000449	UGAGAACUGAAUUCUUGGGUU
hsa-miR-149-5p	MIMAT0000450	UCUGGCUCGUGUCUUCACUCCC
hsa-miR-150-5p	MIMAT0000451	UCUCCCAACCCUUGUACCAGUG
hsa-miR-154-5p	MIMAT0000452	UAGGUUAUCCGUGUUGCCUUCG
hsa-miR-184	MIMAT0000454	UGGACGGAGAACUGUAAGGGU
hsa-miR-185-5p	MIMAT0000455	UGGAGAGAAGGCAGUUCUGA
hsa-miR-186-5p	MIMAT0000456	CAAAGAAUUCUCCUUUUGGGCU
hsa-miR-188-5p	MIMAT0000457	CAUCCCUUGCAUGGUGGAGGG
hsa-miR-190a-5p	MIMAT0000458	UGAUUGUUUGAUUAUUAUGGU
hsa-miR-193a-3p	MIMAT0000459	AACUGGCCUACAAAGUCCAGU
hsa-miR-194-5p	MIMAT0000460	UGUAACAGCAACUCCAUUGGA
hsa-miR-195-5p	MIMAT0000461	UAGCAGCACAGAAAUAUUGGC
hsa-miR-206	MIMAT0000462	UGGAAUGUAAGGAAGUGUGUGG
hsa-miR-320a	MIMAT0000510	AAAAGCUGGGUUGAGAGGGCGA
hsa-miR-200c-3p	MIMAT0000617	UAAUACUGCCGGGUAUUGAUGGA
hsa-miR-155-5p	MIMAT0000646	UUAAUGCUAAUCGUGUAUGGGGU
hsa-miR-106b-5p	MIMAT0000680	UAAAGUCUGACAGUCAGAU
hsa-miR-29c-3p	MIMAT0000681	UAGCACCAUUUGAAAUCGGUUA
hsa-miR-200a-3p	MIMAT0000682	UAAACACUGUCUGGUAACGAUGU
hsa-miR-302a-5p	MIMAT0000683	ACUUAACGUGGAUGUACUUGCU
hsa-miR-302a-3p	MIMAT0000684	UAAAGUCUCCAUUGUUUGGUGA
hsa-miR-34c-5p	MIMAT0000686	AGGCAGUGUAGUUAGCUGAUUGC
hsa-miR-299-3p	MIMAT0000687	UAUGUGGGAUGGUAACCCGUU
hsa-miR-301a-3p	MIMAT0000688	CAGUGCAAUGAUUUGUCAAAGC
hsa-miR-99b-5p	MIMAT0000689	CACCCGUGAACCACCUUGCG

hsa-miR-296-5p	MIMAT0000690	AGGGCCCCCUCAAUCCUGU
hsa-miR-130b-3p	MIMAT0000691	CAGUGCAAUGAUGAAAGGGCAU
hsa-miR-30e-5p	MIMAT0000692	UGUAAACAUCUUGACUGGAAG
hsa-miR-30e-3p	MIMAT0000693	CUUUCAGUCGGAUGUUACAGC
hsa-miR-361-5p	MIMAT0000703	UUUUCAGAAUCCAGGGGUAC
hsa-miR-362-5p	MIMAT0000705	AAUCCUUGGAACCUAGGUGUGAGU
hsa-miR-363-3p	MIMAT0000707	AAUUGCACGGUAUCCAUUCUGUA
hsa-miR-365a-3p	MIMAT0000710	*6 UAAUGCCCCUAAAAUCCUUUAU
hsa-miR-302b-3p	MIMAT0000715	UAAGUGCUUCCAUGUUUAGUAG
hsa-miR-302c-3p	MIMAT0000717	UAAGUGCUUCCAUGUUUCAGUGG
hsa-miR-302d-3p	MIMAT0000718	UAAGUGCUUCCAUGUUUGAGUGU
hsa-miR-367-3p	MIMAT0000719	AAUUGCACUUUAGCAAUGGUGA
hsa-miR-376c-3p	MIMAT0000720	AACAUGAGGAAAUUCCACGU
hsa-miR-369-3p	MIMAT0000721	AAUAAUACAUGGUUGAUUUUU
hsa-miR-370-3p	MIMAT0000722	GCCUGCUGGGUGGAACCUUGU
hsa-miR-372-3p	MIMAT0000724	AAAGUGCUGCGACAUUUGAGCGU
hsa-miR-373-3p	MIMAT0000726	GAAGUGCUUCGAUUUUGGGUGU
hsa-miR-374a-5p	MIMAT0000727	UUUAAUACAACCUUGAUUAGUG
hsa-miR-375	MIMAT0000728	UUUGUUCGUUCGGCUCGCGUGA
hsa-miR-376a-3p	MIMAT0000729	AUCAUAGAGGAAAAUCCACGU
hsa-miR-377-3p	MIMAT0000730	AUCACACAAAGGCAACUUUUGU
hsa-miR-379-5p	MIMAT0000733	UGGUGACUAUGGAACGUAGG
hsa-miR-380-3p	MIMAT0000735	UAUGUAAUUGGUCCACAUCUU
hsa-miR-381-3p	MIMAT0000736	UAUACAAGGGCAAGCUCUCUGU
hsa-miR-382-5p	MIMAT0000737	GAAGUUGUUCGUGGUGGAUUCG
hsa-miR-383-5p	MIMAT0000738	AGAUCAGAAGGUGAUUUGGGCU
hsa-miR-330-3p	MIMAT0000751	GCAAAGCACACGGCCUGCAGAGA
hsa-miR-328-3p	MIMAT0000752	CUGGCCUCUCUGCCCUUCCGU
hsa-miR-342-3p	MIMAT0000753	UCUCACACAGAAUUCGCACCCGU
hsa-miR-337-3p	MIMAT0000754	CUCCUAUUGAUCCUUCUUC
hsa-miR-323a-3p	MIMAT0000755	CACAUUACACGGUCGACCUUCU
hsa-miR-326	MIMAT0000756	CCUCUGGGCCUUCUCCAG
hsa-miR-151a-3p	MIMAT0000757	CUAGACUGAAGCUCCUUGAGG
hsa-miR-135b-5p	MIMAT0000758	UAUGGCUUUUCAUCCUAUGUGA
hsa-miR-148b-3p	MIMAT0000759	UCAGUGCAUCACAGAACUUUGU
hsa-miR-331-3p	MIMAT0000760	GCCTCCUGGGCCUUCUUCAGAA
hsa-miR-324-5p	MIMAT0000761	CGCAUCCCUUAGGGCAUUGGUGU
hsa-miR-324-3p	MIMAT0000762	ACUGCCCCAGGUGCUGCUGG
hsa-miR-339-5p	MIMAT0000764	UCCUGUCCUCCAGGAGCUCACG
hsa-miR-335-5p	MIMAT0000765	UCAAGAGCAAUAACGAAAAUUGU
hsa-miR-133b	MIMAT0000770	UUUGGUCCCUUAACACAGCUA
hsa-miR-325	MIMAT0000771	CCUAGUAGGUGUCCAGUAAGUGU
hsa-miR-345-5p	MIMAT0000772	GCUGACUCCUAGUCCAGGGCUC
hsa-miR-346	MIMAT0000773	UGUCUGCCCGAUGCCUGCCUCU
hsa-miR-384	MIMAT0001075	AUUCUAGAAAUGUUCAUA
hsa-miR-196b-5p	MIMAT0001080	UAGGUAGUUCCUGUUGUUGGG
hsa-miR-422a	MIMAT0001339	ACUGGACUUAAGGUCAGAAGGC
hsa-miR-423-3p	MIMAT0001340	AGCUCGUCUGAGGCCUCACAGU
hsa-miR-424-5p	MIMAT0001341	CAGCAGCAAUUCAUGUUUUGAA
hsa-miR-18b-5p	MIMAT0001412	UAAGGUGCAUCUAGUGCAGUUAG
hsa-miR-20b-5p	MIMAT0001413	*1 CAAAGUGCUCAUAGUGCAGGUAG
hsa-miR-448	MIMAT0001532	UUGCAUUGUAGGAUGUCCCAU
hsa-miR-429	MIMAT0001536	UAAUACUGUCUGGUAACCCGU
hsa-miR-449a	MIMAT0001541	UGGCAGUGUAUUGUUGCUGUGU
hsa-miR-450a-5p	MIMAT0001545	UUUUGCGAUGUGUCCUAUAU
hsa-miR-369-5p	MIMAT0001621	AGAUCGACCGUGUUUAUUCGC
hsa-miR-431-5p	MIMAT0001625	UGUCUUGCAGGCCGUCAUGCA
hsa-miR-433-3p	MIMAT0001627	AUCAUGAUGGGCUCCUGGUGU
hsa-miR-329-3p	MIMAT0001629	AACACACCUUGGUUAACCUUUU
hsa-miR-323b-5p	MIMAT0001630	AGGUUGUCCGUGGUGAGUUCGCA
hsa-miR-451a	MIMAT0001631	AAACCGUUACCAUACUGAGUU
hsa-miR-452-5p	MIMAT0001635	AACUGUUUGCAGAGGAAACUGA
hsa-miR-409-5p	MIMAT0001638	AGGUUACCCGAGCAACUUUGCAU
hsa-miR-409-3p	MIMAT0001639	GAAUGUUGCUCGGUGAACCCCU
hsa-miR-412-3p	MIMAT0002170	ACUUCACCUUGUCCACUAGCCGU
hsa-miR-410-3p	MIMAT0002171	AAUUAACACAGAUUGGCGUGU
hsa-miR-376b-3p	MIMAT0002172	AUCAUAGAGGAAAAUCCAUGUU
hsa-miR-483-3p	MIMAT0002173	UCACUCCUUCUCCCGUCUU
hsa-miR-484	MIMAT0002174	UCAGGCUCAGUCCCUCCCGAU
hsa-miR-485-5p	MIMAT0002175	AGAGGCUGGCCGUGAUAUUC
hsa-miR-485-3p	MIMAT0002176	GUCAUACACGGCUCUCCUCUCU
hsa-miR-487a-3p	MIMAT0002178	AAUCAUACAGGGACAUCAGUU
hsa-miR-489-3p	MIMAT0002805	GUGACAUCACAUUACGGCAGC

hsa-miR-490-3p	MIMAT0002806		CAACCUUGAGGACUCCAUGCUG
hsa-miR-491-5p	MIMAT0002807		AGUGGGGAACCCUCCAUGAGG
hsa-miR-511-5p	MIMAT0002808		GUGUCUUUUGCUCUGCAGUCA
hsa-miR-146b-5p	MIMAT0002809		UGAGAACUGAAUCCAUGGCU
hsa-miR-202-3p	MIMAT0002811		AGAGGUUAUAGGGCAUGGGAA
hsa-miR-492	MIMAT0002812		AGGACCUUGCGGACAAGAUUCUU
hsa-miR-432-5p	MIMAT0002814		UCUUGGAGUAGGUCAUUGGGUGG
hsa-miR-494-3p	MIMAT0002816		UGAAACAUAACACGGGAAACCCUC
hsa-miR-495-3p	MIMAT0002817		AAACAAACAUGGUGCACUUCUU
hsa-miR-496	MIMAT0002818		UGAGUAUUACAUGGCCAAUCUC
hsa-miR-193b-3p	MIMAT0002819		AACUGGCCCUCAAAGUCCCGCU
hsa-miR-497-5p	MIMAT0002820		CAGCAGCACACUGUGGUUUUGU
hsa-miR-181d-5p	MIMAT0002821	*4	AACAUUCAUUGUUGUCGGUGGGU
hsa-miR-512-5p	MIMAT0002822		CACUCAGCCUUGAGGGCACUUC
hsa-miR-512-3p	MIMAT0002823		AAGUGCUGUCAUAGCUGAGGUC
hsa-miR-498	MIMAT0002824		UUUCAAGCCAGGGGGCGUUUUUC
hsa-miR-520e	MIMAT0002825		AAAGUGCUUCCUUUUUGAGGG
hsa-miR-515-5p	MIMAT0002826		UUCUCCAAAAGAAAGCACUUUCUG
hsa-miR-515-3p	MIMAT0002827		GAGUGCCUUCUUUUUGGAGCGUU
hsa-miR-519e-3p	MIMAT0002829		AAGUGCCUCCUUUUAGAGUGUU
hsa-miR-520f-3p	MIMAT0002830		AAGUGCUUCCUUUUAGAGGGUU
hsa-miR-519c-5p	MIMAT0002831	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-519c-3p	MIMAT0002832		AAAGUGCAUCUUUUAGAGGAU
hsa-miR-520a-5p	MIMAT0002833		CUCCAGAGGGAAGUACUUUCU
hsa-miR-520a-3p	MIMAT0002834		AAAGUGCUUCCUUUGGACUGU
hsa-miR-526b-5p	MIMAT0002835		CUCUUGAGGGAAGCACUUUCUGU
hsa-miR-519b-3p	MIMAT0002837		AAAGUGCAUCUUUUAGAGGUU
hsa-miR-525-5p	MIMAT0002838		CUCAGAGGGAUGCACUUUCU
hsa-miR-525-3p	MIMAT0002839		GAAGGCGCUUCCUUUAGAGCG
hsa-miR-523-3p	MIMAT0002840		GAACGCGCUUCCUUAUAGAGGGU
hsa-miR-518f-3p	MIMAT0002842		GAAAGCGCUUCUUUAGAGGG
hsa-miR-520b	MIMAT0002843		AAAGUGCUUCCUUUAGAGGG
hsa-miR-518b	MIMAT0002844		CAAAGCGUCCUUUAGAGGU
hsa-miR-526a	MIMAT0002845	*8	CUCUAGAGGGAAGCACUUUCUG
hsa-miR-520c-3p	MIMAT0002846		AAAGUGCUUCCUUUAGAGGGU
hsa-miR-518c-5p	MIMAT0002847	*8	UCUCUGAGGGAAGCACUUUCUG
hsa-miR-518c-3p	MIMAT0002848		CAAAGCGCUUCUUUAGAGGUGU
hsa-miR-524-3p	MIMAT0002850		GAAGGCGCUUCCUUUGGAGU
hsa-miR-517a-3p	MIMAT0002852	*9	AUCGUGCAUCCUUUAGAGUGU
hsa-miR-519d-3p	MIMAT0002853		CAAAGUGCCUCCUUUAGAGUG
hsa-miR-521	MIMAT0002854		AACGCACUCCUUUAGAGUGU
hsa-miR-520d-5p	MIMAT0002855	*10	CUACAAAGGGAAGCCUUUC
hsa-miR-520d-3p	MIMAT0002856		AAAGUGCUUCUUUUGGUGGGU
hsa-miR-517b-3p	MIMAT0002857	*9	AUCGUGCAUCCUUUAGAGUGU
hsa-miR-520g-3p	MIMAT0002858		ACAAAGUGCUUCCUUUAGAGUGU
hsa-miR-516b-5p	MIMAT0002859		AUCUGGAGGUAAGAAGCACUUU
hsa-miR-516b-3p	MIMAT0002860	*18	UGCUCUCCUUCAGAGGGU
hsa-miR-518e-3p	MIMAT0002861		AAAGCGCUUCCUUCAGAGUG
hsa-miR-527	MIMAT0002862	*10	CUGCAAAGGGAAGCCUUUC
hsa-miR-518d-3p	MIMAT0002864		CAAAGCGCUUCCUUUGGAGC
hsa-miR-517c-3p	MIMAT0002866	*11	AUCGUGCAUCCUUUAGAGUGU
hsa-miR-520h	MIMAT0002867		ACAAAGUGCUUCCUUUAGAGU
hsa-miR-522-3p	MIMAT0002868		AAAAGUGUCCUUUAGAGUGU
hsa-miR-519a-3p	MIMAT0002869	*11	AAAGUGCAUCCUUUAGAGUGU
hsa-miR-499a-5p	MIMAT0002870		UUAAGACUUGCAGUGAUGUUU
hsa-miR-501-5p	MIMAT0002872	*14	AAUCCUUUGUCCUGGGUGAGA
hsa-miR-502-5p	MIMAT0002873		AUCCUUGCUAUCUGGGUGCUA
hsa-miR-503-5p	MIMAT0002874		UAGCAGCGGGAACAGUUCUGCAG
hsa-miR-504-5p	MIMAT0002875		AGACCCUGGUCUGCACUCUAUC
hsa-miR-505-3p	MIMAT0002876		CGUCAACACUUGCUGGUUCCU
hsa-miR-513a-5p	MIMAT0002877		UUCACAGGAGGUGUCAU
hsa-miR-506-3p	MIMAT0002878		UAAGGCACCCUUCUGAGUAGA
hsa-miR-507	MIMAT0002879		UUUUGCACCUUUUGGAGUGAA
hsa-miR-508-3p	MIMAT0002880		UGAUUGUAGCCUUUUGGAGUAGA
hsa-miR-509-3p	MIMAT0002881		UGAUUGGUACGUCUGUGGUAG
hsa-miR-510-5p	MIMAT0002882		UACUCAGGAGAGUGGCAUAC
hsa-miR-514a-3p	MIMAT0002883		AUUGACACUUCUGUGAGUAGA
hsa-miR-532-5p	MIMAT0002888		CAUGCCUUGAGUGUAGGACCGU
hsa-miR-299-5p	MIMAT0002890		UGGUUUACCGUCCCAUCAU
hsa-miR-455-5p	MIMAT0003150		UAUGUGCCUUUGGACUACAUCG
hsa-miR-493-3p	MIMAT0003161		UGAAGGUCUACUGUGGCCAGG
hsa-miR-539-5p	MIMAT0003163		GGAGAAAUUAUCCUUGGUGUGU
hsa-miR-544a	MIMAT0003164		AUUCUGCAUUUUAGCAAGUUC

hsa-miR-545-3p	MIMAT0003165	UCAGCAACAUUUAUUGUGUGC
hsa-miR-487b-3p	MIMAT0003180	AAUCGUACAGGGUCAUCCACUU
hsa-miR-551a	MIMAT0003214	GCGACCCACUCUUGGUUUCCA
hsa-miR-552-3p	MIMAT0003215	AACAGGUGACUGGUUAGACAA
hsa-miR-553	MIMAT0003216	AAAACGGUGAGAUUUUGUUUU
hsa-miR-554	MIMAT0003217	GCUAGUCCUGACUCAGCCAGU
hsa-miR-92b-3p	MIMAT0003218	UAUUGCACUCGUCCCGGCCUCC
hsa-miR-555	MIMAT0003219	AGGGUAAAGCUGAACCCUCUGAU
hsa-miR-556-5p	MIMAT0003220	GAUGAGCUCAUUGUAAUUGAG
hsa-miR-561-3p	MIMAT0003225	CAAAGUUUAAGAUCUUGAAGU
hsa-miR-562	MIMAT0003226	AAAGUAGCUGUACCAUUUGC
hsa-miR-563	MIMAT0003227	AGGUUGACAUACGUUUCCC
hsa-miR-564	MIMAT0003228	AGGCACGGUGUCAGCAGGC
hsa-miR-566	MIMAT0003230	GGGCGCCUGUGAUCCCAAC
hsa-miR-567	MIMAT0003231	AGUAUGUUCUCCAGGACAGAAC
hsa-miR-568	MIMAT0003232	AUGUAUAAAUGUAUACACAC
hsa-miR-551b-3p	MIMAT0003233	GCGACCCAUACUUGGUUUAG
hsa-miR-570-3p	MIMAT0003235	CGAAAACAGCAAUUACCUUUGC
hsa-miR-571	MIMAT0003236	UGAGUUGGCCAUCUGAGUGAG
hsa-miR-572	MIMAT0003237	GUCGCGUCGGCGGUGGCCCA
hsa-miR-573	MIMAT0003238	CUGAAGUGAUGUGUAACUGAUCAG
hsa-miR-574-3p	MIMAT0003239	CACGCUCAUGCACACCCACA
hsa-miR-575	MIMAT0003240	GAGCCAGUUGGACAGGAGC
hsa-miR-576-5p	MIMAT0003241	AUUCUAAUUUCCACGUCUUU
hsa-miR-577	MIMAT0003242	UAGAUAAAUAUUGGUACCCUG
hsa-miR-578	MIMAT0003243	CUUCUUGGUCUCUAGGAUUGU
hsa-miR-579-3p	MIMAT0003244	UUCAUUUGGUAUAAAACCGGAUU
hsa-miR-580-3p	MIMAT0003245	UUGAGAAUGAUGAAUCAUUAGG
hsa-miR-582-5p	MIMAT0003247	UUACAGUUGUUCACCAGUUACU
hsa-miR-584-5p	MIMAT0003249	UUUUGGUUUGCCUGGGACUGAG
hsa-miR-585-3p	MIMAT0003250	UGGCGUAUCUGUAUGCUA
hsa-miR-548a-3p	MIMAT0003251	CAAACUGGCAAUUACUUUUGC
hsa-miR-587	MIMAT0003253	UUUCCAUAGGUGAUGAGUCAC
hsa-miR-548b-3p	MIMAT0003254	CAAGAACCUCAGUUGCUUUUGU
hsa-miR-590-5p	MIMAT0003258	GAGCUUAUUAUAAAAGUGCAG
hsa-miR-591	MIMAT0003259	AGACCAUGGGUUCUCAUUGU
hsa-miR-592	MIMAT0003260	UUGUGUCAAUUUGCGAUGAUGU
hsa-miR-595	MIMAT0003263	GAAGUGGCCGUGGUGUGUCU
hsa-miR-596	MIMAT0003264	AAGCCUGCCCGGCCUCCUGGG
hsa-miR-597-5p	MIMAT0003265	UGUGUCACUCGAUGACCACUGU
hsa-miR-598-3p	MIMAT0003266	UACGUAUCGUUGUCAUCGUCA
hsa-miR-599	MIMAT0003267	GUUGUGUCAGUUUAUCAAAC
hsa-miR-600	MIMAT0003268	ACUACAGACAAGGCCUUGCUC
hsa-miR-601	MIMAT0003269	UGGUCUAGGAUUGUUGGAGGAG
hsa-miR-603	MIMAT0003271	CACACACUGCAAUUACUUUUGC
hsa-miR-604	MIMAT0003272	AGGCUGCGAAUUCAGGAC
hsa-miR-605-5p	MIMAT0003273	UAAAUCCCAUGGUGCCUUCUCCU
hsa-miR-606	MIMAT0003274	AAACUACUGAAAAUCAAGAU
hsa-miR-607	MIMAT0003275	GUUCAAUCCAGAUUAUAAC
hsa-miR-608	MIMAT0003276	AGGGGUGGUGUUGGGACAGCUCGU
hsa-miR-610	MIMAT0003278	UGAGCUAAAUGUGUGCUGGGA
hsa-miR-612	MIMAT0003280	GCUGGGCAGGGCUUCUGAGCUCCU
hsa-miR-613	MIMAT0003281	AGGAAUGUCCUUCUUUGCC
hsa-miR-614	MIMAT0003282	GAACGCCUGUUCUUGCCAGGUGG
hsa-miR-615-3p	MIMAT0003283	UCCGAGCCUGGGUCUCCUCUU
hsa-miR-617	MIMAT0003286	AGACUCCCAUUGAAGGUGGC
hsa-miR-619-3p	MIMAT0003288	GACCUGGACAUUGUUUGGCCAGU
hsa-miR-620	MIMAT0003289	AUGGAGAUAGAUUAGAAAU
hsa-miR-625-5p	MIMAT0003294	AGGGGGAAGUUCUAUAGUCC
hsa-miR-626	MIMAT0003295	AGCUGUCUGAAAAUGUCUU
hsa-miR-627-5p	MIMAT0003296	GUGAGUCUCUAAAGAAAAGAGGA
hsa-miR-628-3p	MIMAT0003297	UCUAGUAAGAGUGGCAGUCGA
hsa-miR-630	MIMAT0003299	AGUAUUCUGUACCAGGGAAGGU
hsa-miR-631	MIMAT0003300	AGACCUUGCCAGACCUCCAGC
hsa-miR-33b-5p	MIMAT0003301	GUGCAUUGCUGUUGCAUUGC
hsa-miR-637	MIMAT0003307	ACUGGGGGCUUUCGGGCUCUGCGU
hsa-miR-638	MIMAT0003308	AGGGAUCGCGGGCGGUGGGCGCCU
hsa-miR-639	MIMAT0003309	AUCGUCGCGUUGCGAGCGCUGU
hsa-miR-640	MIMAT0003310	AUGAUCCAGGAACCUUGCCUCU
hsa-miR-641	MIMAT0003311	AAAGACAUAGGAUAGAGUCACCUC
hsa-miR-642a-5p	MIMAT0003312	GUCCUCUCCAAUUGUUCUUG
hsa-miR-643	MIMAT0003313	ACUUGUAUGCUAGCUCAGGUAG
hsa-miR-644a	MIMAT0003314	AGUGUGGCUUUCUAGAGC

hsa-miR-648	MIMAT0003318	AAGUGUGCAGGGCACUGGU
hsa-miR-649	MIMAT0003319	AAACCUUGUUGUUC AAGAGUC
hsa-miR-650	MIMAT0003320	AGGAGGCAGCGCUCUCAGGAC
hsa-miR-651-5p	MIMAT0003321	UUUAGGAUAAGCUUGACUUUUG
hsa-miR-652-3p	MIMAT0003322	AAUGGCGCCACUAGGGUUGUG
hsa-miR-548d-3p	MIMAT0003323	CAAAAACCACAGUUUUUUUGC
hsa-miR-661	MIMAT0003324	UGCCUGGGUCUCUGGCCUGCGCGU
hsa-miR-663a	MIMAT0003326	AGGCGGGCGCCGCGGGACCGC
hsa-miR-449b-5p	MIMAT0003327	AGGCAGUGUAUUGUUAGCUGGC
hsa-miR-411-5p	MIMAT0003329	UAGUAGACCGUAUAGCGUACG
hsa-miR-654-5p	MIMAT0003330	UGGUGGGCCGAGAACAUUGUC
hsa-miR-655-3p	MIMAT0003331	AUAAUACAUGGUUAACCUCUUU
hsa-miR-656-3p	MIMAT0003332	AAUAAUUAACAGUCAACCUCU
hsa-miR-549a	MIMAT0003333	UGACAACUAUGGAUGAGCUCU
hsa-miR-660-5p	MIMAT0003338	UACCCAUUGCAUUCGAGUUG
hsa-miR-421	MIMAT0003339	AUCAACAGACAUAAUUGGGCGC
hsa-miR-542-5p	MIMAT0003340	UCGGGGAUCAUCAUGUCACGAGA
hsa-miR-363-5p	MIMAT0003385	CGGGUGGAUCACGAUGCAAUUU
hsa-miR-542-3p	MIMAT0003389	UGUGACAGAUUGAUAAACUGAAA
hsa-miR-425-5p	MIMAT0003393	AAUGACACGAUCACUCCCGUUGA
hsa-miR-758-3p	MIMAT0003879	*12 UUUUGACCUUGGUCCUAACC
hsa-miR-671-5p	MIMAT0003880	AGGAAGCCUUGGAGGGGCGGAG
hsa-miR-767-5p	MIMAT0003882	UGCACCAUGGUUGUCUGAGCAUG
hsa-miR-767-3p	MIMAT0003883	UCUGCUCAUACCCCAUGGUUCU
hsa-miR-454-3p	MIMAT0003885	UAGUGCAAUAUUGCUUAUAGGGU
hsa-miR-769-5p	MIMAT0003886	UGAGACCUCUGGGUUCUGAGCU
hsa-miR-769-3p	MIMAT0003887	CUGGGAUCUCCGGGGUCUUGGUU
hsa-miR-766-3p	MIMAT0003888	ACUCCAGCCCCACAGCCUCAGC
hsa-miR-765	MIMAT0003945	UGGAGGAGAAGGAAGGUGAUG
hsa-miR-770-5p	MIMAT0003948	UCCAGUACCACGUGUCAGGGCCA
hsa-miR-802	MIMAT0004185	CAGUAACAAAGAUUCAUCCUUGU
hsa-miR-675-5p	MIMAT0004284	UGGUGCGGAGAGGGCCACAGUG
hsa-miR-297	MIMAT0004450	AUGUAUGUGUGCAUGUGCAUG
hsa-miR-25-5p	MIMAT0004498	AGGCGGAGACUUGGGCAAUUG
hsa-miR-28-3p	MIMAT0004502	CACUAGAUUGUGAGCUCCUGGA
hsa-miR-92a-1-5p	MIMAT0004507	AGGUUGGGAUCGGUUGCAAUGCU
hsa-miR-139-3p	MIMAT0004552	UGGAGACGCGGCCUGUUGGAGU
hsa-miR-181a-2-3p	MIMAT0004558	ACCACUGACCGUUGACUGUACC
hsa-miR-196a-3p	MIMAT0004562	CGGCAACAAGAAACUGCCUGAG
hsa-miR-199b-3p	MIMAT0004563	*3 ACAGUAGUCUGCACAUUGGUUA
hsa-miR-219a-1-3p	MIMAT0004567	AGAGUUGAGUCUGGACGUCCCG
hsa-miR-221-5p	MIMAT0004568	ACCUGGCAUACAUGUAGAUUU
hsa-miR-140-3p	MIMAT0004597	UACCACAGGGUAGAACCACGG
hsa-miR-125a-3p	MIMAT0004602	ACAGGUGAGGUUCUUGGGAGCC
hsa-miR-127-5p	MIMAT0004604	CUGAAGCUCAGAGGGCUCUGAU
hsa-miR-129-2-3p	MIMAT0004605	AAGCCCUUACCCCAAAAGCAU
hsa-miR-188-3p	MIMAT0004613	CUCCCAUUGCAGGGUUUGCA
hsa-miR-193a-5p	MIMAT0004614	*13 UGGUCUUUUGCGGGCGAGAUGA
hsa-miR-219a-2-3p	MIMAT0004675	AGAAUUGUGGCGGACAUCUGU
hsa-miR-34b-3p	MIMAT0004676	CAAUCACUAACUCCACUGCCA
hsa-miR-34c-3p	MIMAT0004677	AAUCACUAACCACACGGCCAGG
hsa-miR-296-3p	MIMAT0004679	GAGGGUUGGGUGGAGGCUCUCC
hsa-miR-361-3p	MIMAT0004682	UCCCCAGGUGUGAUUCUGAUUU
hsa-miR-362-3p	MIMAT0004683	AACACACCUAUUCAAGGAUUA
hsa-miR-371a-5p	MIMAT0004687	ACUCAAACUGUGGGGGCACU
hsa-miR-374a-3p	MIMAT0004688	CUUAUCAGAUUGUAUUUGAAUU
hsa-miR-340-5p	MIMAT0004692	UUUAUAAAGCAAUGAGACUGAUU
hsa-miR-330-5p	MIMAT0004693	UCUCUGGGCCUGUGUCUAGGC
hsa-miR-342-5p	MIMAT0004694	AGGGGUGCUAUCUGUGAUUGA
hsa-miR-337-5p	MIMAT0004695	GAACGGCUUCAACAGGAGUU
hsa-miR-323a-5p	MIMAT0004696	AGGUGGUCCGUGGGCGUUCGC
hsa-miR-151a-5p	MIMAT0004697	UCGAGGAGCUCACAGUCUAGU
hsa-miR-331-5p	MIMAT0004700	CUAGGUUUGGUCCAGGGAUCC
hsa-miR-338-5p	MIMAT0004701	AACAAUAUCCUGGUGCUGAGUG
hsa-miR-339-3p	MIMAT0004702	UGAGCGCCUCGACGACAGACCG
hsa-miR-423-5p	MIMAT0004748	UGAGGGGAGAGAGCGAGACUUU
hsa-miR-483-5p	MIMAT0004761	AAGACGGGAGGAAAGAAGGGAG
hsa-miR-486-3p	MIMAT0004762	CGGGGAGCUCAGUACAGGAU
hsa-miR-488-3p	MIMAT0004763	UUGAAAGGCUAUUUCUUGGUC
hsa-miR-490-5p	MIMAT0004764	CCAUGGAUCUCCAGGUGGGU
hsa-miR-491-3p	MIMAT0004765	CUUAUGCAAGAUUCCUUCUAC
hsa-miR-146b-3p	MIMAT0004766	UGCCUUGGAGCUCAGUUCUGG
hsa-miR-193b-5p	MIMAT0004767	*13 CGGGGUUUUGAGGGCGAGAUGA

hsa-miR-516a-5p	MIMAT0004770		UUCUCGAGGAAAGAAGCACUUUC
hsa-miR-499a-3p	MIMAT0004772		AACAUCACAGCAAGUCUGUGCU
hsa-miR-500a-5p	MIMAT0004773	*14	UAAUCCUUGCUACCUUGGGUGAGA
hsa-miR-501-3p	MIMAT0004774		AAUGCACCCGGCAAGGAUUUCU
hsa-miR-502-3p	MIMAT0004775		AAUGCACCUUGGCAAGGAUUUA
hsa-miR-513a-3p	MIMAT0004777		UAAAUUUACCUUUUCUGAGAAGG
hsa-miR-508-5p	MIMAT0004778		UACUCCAGAGGGGUCACUCAUG
hsa-miR-509-5p	MIMAT0004779		UACUGCAGACAGUGGCAAUCA
hsa-miR-532-3p	MIMAT0004780		CCUCCACACCCAAAGGCUUGCA
hsa-miR-455-3p	MIMAT0004784		GCAGUCCAUGGGCAUUAUACAC
hsa-miR-556-3p	MIMAT0004793		AUAUUACCAUUAGCUCAUCUUU
hsa-miR-574-5p	MIMAT0004795		UGAGUGUGUGUGUGAGUGUGU
hsa-miR-576-3p	MIMAT0004796		AAGAUGUGGAAAAUUGGAUUC
hsa-miR-582-3p	MIMAT0004797		UAAUCUGGUUGAACAACUGAAC
hsa-miR-589-5p	MIMAT0004799		UGAGAACCACGUCUGCUCUGAG
hsa-miR-550a-5p	MIMAT0004800		AGUGCCUGAGGGAGUAAGAGCCC
hsa-miR-590-3p	MIMAT0004801		UAAUUUUUUGUAUAAGCUAGU
hsa-miR-593-3p	MIMAT0004802		UGUCUCUGCUGGGUUUUU
hsa-miR-548a-5p	MIMAT0004803		AAAAGUAAUUGCGAUUUUACC
hsa-miR-615-5p	MIMAT0004804		GGGGGUCCCCGGGUCUCGGAUC
hsa-miR-616-3p	MIMAT0004805		AGUCAUUGGAGGGUUUGAGCAG
hsa-miR-548c-5p	MIMAT0004806	*15	AAAAGUAAUUGCGUUUUUGCC
hsa-miR-624-3p	MIMAT0004807		CACAAGGUUUUGGUUUUACCU
hsa-miR-628-5p	MIMAT0004809		AUGCUGACAUUUUACUAGAGG
hsa-miR-629-5p	MIMAT0004810		UGGGUUUACGUUGGGAGAAU
hsa-miR-548d-5p	MIMAT0004812		AAAAGUAAUUGGUUUUUUGCC
hsa-miR-411-3p	MIMAT0004813	*12	UAUGUAACACGGUCCACUAACC
hsa-miR-654-3p	MIMAT0004814		UAUGUCUGCUGACCAUACCUU
hsa-miR-671-3p	MIMAT0004819		UCCGGUUCUCAGGGUCCACC
hsa-miR-298	MIMAT0004901		AGCAGAAGCAGGGAGGUUCUCCA
hsa-miR-891a-5p	MIMAT0004902		UGCAACGAACCUAGGCCACUGA
hsa-miR-300	MIMAT0004903		UAUACAAGGGCAGACUCUCUCU
hsa-miR-892a	MIMAT0004907		CACUGUGCCUUUCUGCGUAG
hsa-miR-450b-5p	MIMAT0004909		UUUUGCAAUUGUUCUGAAUA
hsa-miR-450b-3p	MIMAT0004910		UUGGGAUCAUUUUGCAUCCAU
hsa-miR-874-3p	MIMAT0004911		CUGCCUGGCCCGAGGGACCGA
hsa-miR-890	MIMAT0004912		UACUUGGAAAGGCAUCAGUUG
hsa-miR-891b	MIMAT0004913		UGCAACUACCUAGAGUCAUUGA
hsa-miR-888-5p	MIMAT0004916		UACUCAAAAAGCUGUCAGUCA
hsa-miR-892b	MIMAT0004918		CACUGGCUCCUUUCUGGGUAGA
hsa-miR-541-3p	MIMAT0004920		UGGUGGGCACAGAAUCUGGACU
hsa-miR-889-3p	MIMAT0004921		UUAAUUCGGACAACCAUUGU
hsa-miR-875-3p	MIMAT0004923		CCUGGAAACACUGAGGUUGUG
hsa-miR-876-5p	MIMAT0004924		UGGAUUUCUUUGGAAUACCA
hsa-miR-876-3p	MIMAT0004925		UGGUGGUUUACAAAGUAAUUA
hsa-miR-708-5p	MIMAT0004926		AAGGAGCUUACAUCUAGCUGGG
hsa-miR-147b	MIMAT0004928		GUGUGCGGAAUUCUUCUGCUA
hsa-miR-190b	MIMAT0004929		UGAUUGUUUGAUUUUGGGUU
hsa-miR-744-5p	MIMAT0004945		UGCAGGGGCUAGGGCUAACAGCA
hsa-miR-885-5p	MIMAT0004947		UCCAUUACACUACCCUGCCUCU
hsa-miR-885-3p	MIMAT0004948		AGGAGGCGGGUGUAGUGGAUA
hsa-miR-877-5p	MIMAT0004949		GUAGAGGAGAUAGGCGCAGGG
hsa-miR-887-3p	MIMAT0004951		GUGAACGGGCGCAUCCCGAGG
hsa-miR-665	MIMAT0004952		ACCAGGAGGCUAGAGCCCUU
hsa-miR-873-5p	MIMAT0004953		GCAGGAACUUGAGUCUCCU
hsa-miR-543	MIMAT0004954		AAACAUUCGCGGUGCACUUUU
hsa-miR-374b-5p	MIMAT0004955		AUAUAUACAACCUAGCUAAGUG
hsa-miR-760	MIMAT0004957		CGGCUCUGGGUCUGUGGGGA
hsa-miR-301b-3p	MIMAT0004958		CAGUGCAAUGAUUUUGUCAAGC
hsa-miR-216b-5p	MIMAT0004959		AAAUCUCUGCAGGCAAAUGUGA
hsa-miR-208b-3p	MIMAT0004960		AUAAGACGAACAAAAGGUUUUGU
hsa-miR-922	MIMAT0004972		GCAGCAGAGAAUAGGACUACGUC
hsa-miR-924	MIMAT0004974		AGAGUCUUGUGAUGUCUUGC
hsa-miR-509-3-5p	MIMAT0004975		UACUGCAGACGUGGCAUUAUG
hsa-miR-933	MIMAT0004976		UGUGCGCAGGGAGACCUCUCCC
hsa-miR-934	MIMAT0004977		UGUCUACUACUGGAGACACUGG
hsa-miR-935	MIMAT0004978		CCAGUUACCGCUUCCGCUACCGC
hsa-miR-936	MIMAT0004979		ACAGUAGAGGGAGGAAUCGCAG
hsa-miR-937-3p	MIMAT0004980		AUCCGCGCUCUGACUCUCUGCC
hsa-miR-939-5p	MIMAT0004982		UGGGGAGCUGAGGCUCUGGGGUG
hsa-miR-940	MIMAT0004983		AAGGCAGGGCCCCGCUCCCC
hsa-miR-941	MIMAT0004984		CACCCGGCUGUGUGCACAUUGUC
hsa-miR-942-5p	MIMAT0004985		UCUUCUCUGUUUUGGCAUGUG

hsa-miR-944	MIMAT0004987		AAAUUUAUGUACAUCGGAUGAG
hsa-miR-523-5p	MIMAT0005449	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-518e-5p	MIMAT0005450	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-522-5p	MIMAT0005451	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-519a-5p	MIMAT0005452	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-519b-5p	MIMAT0005454	*16	CUCUAGAGGGAAGCGCUUUCUG
hsa-miR-518d-5p	MIMAT0005456	*8	CUCUAGAGGGAAGCACUUUCUG
hsa-miR-518a-5p	MIMAT0005457	*10	CUGCAAAGGGAAGCCUUUC
hsa-miR-1224-5p	MIMAT0005458		GUGAGGACUCGGGAGGUGG
hsa-miR-1224-3p	MIMAT0005459		CCCCACCUCUCUCUCCUCAG
hsa-miR-1226-3p	MIMAT0005577		UCACCAGCCUGUGUCCCUAG
hsa-miR-1228-3p	MIMAT0005583		UCACACCUGCCUCGCCCC
hsa-miR-1233-3p	MIMAT0005588		UGAGCCUCUGCCUCCCGCAG
hsa-miR-1234-3p	MIMAT0005589		UCGGCCUGACCACCCACCCAC
hsa-miR-1236-3p	MIMAT0005591		CCUCUCCCCUUGUCUCUCCAG
hsa-miR-513b-5p	MIMAT0005788		UUCACAAGGAGGUGUCAUUUAU
hsa-miR-513c-5p	MIMAT0005789		UUCUCAAGGAGGUGUCGUUUUAU
hsa-miR-1264	MIMAT0005791		CAAGUCUUUUUGAGCACCUGUU
hsa-miR-320b	MIMAT0005792		AAAAGCUGGGUUGAGAGGGCAA
hsa-miR-320c	MIMAT0005793		AAAAGCUGGGUUGAGAGGGU
hsa-miR-1296-5p	MIMAT0005794		UUAGGGCCUGGCCUCAUCUCC
hsa-miR-1323	MIMAT0005795		UCAAAAACUGAGGGGCAUUUUUCU
hsa-miR-1271-5p	MIMAT0005796		CUUGGCACCUAGCAAGCACUCA
hsa-miR-1301-3p	MIMAT0005797		UUGCAGCUGCCUGGGAGUGACUUC
hsa-miR-1185-5p	MIMAT0005798		AGAGGAUACCCUUUGUAUGUU
hsa-miR-1283	MIMAT0005799		UCUACAAAGGAAGCGCUUUUCU
hsa-miR-1298-5p	MIMAT0005800		UUCAUUCGGCUGUCCAGAUGUA
hsa-miR-1178-3p	MIMAT0005823		UUGCUCACUGUUCUCCCUAG
hsa-miR-1180-3p	MIMAT0005825		UUUCCGGCUCGCGUGGGUGUGU
hsa-miR-1183	MIMAT0005828		CACUGUAGGUGAUGGUGAGUGGGCA
hsa-miR-1200	MIMAT0005863		CUCCUGAGCCAUCUGAGCCUC
hsa-miR-1202	MIMAT0005865		GUGCCAGCUGCAGUGGGGGAG
hsa-miR-1203	MIMAT0005866		CCCGGAGCCAGGAUGCAGCUC
hsa-miR-1204	MIMAT0005868		UCGUGGCCUGGUCUCAUUUAU
hsa-miR-1205	MIMAT0005869		UCUJGACGGUUUGCUUUGAG
hsa-miR-1206	MIMAT0005870		UGUUCAUGUAGAUGUUUAAGC
hsa-miR-548e-3p	MIMAT0005874		AAAAACUGAGACUACUUUUGCA
hsa-miR-548j-5p	MIMAT0005875		AAAAGUAAUUGCGGUCUUUGGU
hsa-miR-1285-3p	MIMAT0005876		UCUGGGCAACAAAGUGAGACCU
hsa-miR-1286	MIMAT0005877		UGCAGGACCAAGAUGAGCCCU
hsa-miR-1287-5p	MIMAT0005878		UGCUGGAUCAGUGGUUCGAGUC
hsa-miR-1289	MIMAT0005879		UGGAGUCCAGGAUCUGCAUUUU
hsa-miR-1290	MIMAT0005880		UGGAUUUUUGGAUCAGGGA
hsa-miR-1291	MIMAT0005881		UGGCCUCGACUGAAGACCAGCAGU
hsa-miR-548k	MIMAT0005882		AAAAGUACUUGCGGAUUUUGCU
hsa-miR-1293	MIMAT0005883		UGGGUGGUCUGGAGAUUUUGGC
hsa-miR-1295a	MIMAT0005885		UUAGGCCCGAGAUUCGGGUGA
hsa-miR-1297	MIMAT0005886		UUCAAGUAAUUCAGGUG
hsa-miR-1299	MIMAT0005887		UUCUGGAUUUCUGUGAGGGGA
hsa-miR-548l	MIMAT0005889		AAAAGUAAUUGCGGGUUUUGUC
hsa-miR-1302	MIMAT0005890		UUGGGACAUACUUAUGCUAAA
hsa-miR-1303	MIMAT0005891		UUUAGAGACGGGUCUUGCUCU
hsa-miR-1304-5p	MIMAT0005892		UUUAGGGCUACAGUGAGAUGUG
hsa-miR-1305	MIMAT0005893		UUUUAACUCUAAUUGGGAGAGA
hsa-miR-1244	MIMAT0005896		AAGUAGUUGGUUUUGUAUGAGAUGGU
hsa-miR-1245a	MIMAT0005897		AAGUGAUCUAAAGGCCUACAU
hsa-miR-1246	MIMAT0005898		AAUGGAUUUUUGGAGCAGG
hsa-miR-1247-5p	MIMAT0005899		ACCCGUCCCGUCUGUCCCGGA
hsa-miR-1248	MIMAT0005900		ACCUUCUUGUAUAAGCACUCUGCUAAA
hsa-miR-1249-3p	MIMAT0005901		ACGCCUUCUCCCCUUCUUA
hsa-miR-1250-5p	MIMAT0005902		ACGGUGCUGGAUGUGGCCUUU
hsa-miR-1253	MIMAT0005904		AGAGAAGAAGAUACGCCUGCA
hsa-miR-1254	MIMAT0005905		AGCCUGGAAGCUGGAGCCUGCAGU
hsa-miR-1255a	MIMAT0005906		AGGAUGAGCAAAGAAAGUAGAUU
hsa-miR-1257	MIMAT0005908		AGUGAAUGAUGGGUUCUGACC
hsa-miR-1258	MIMAT0005909		AGUUAGGAUUAGGUCGUGGAA
hsa-miR-1260a	MIMAT0005911		AUCCACCUCUGCCACCA
hsa-miR-548g-3p	MIMAT0005912		AAAACUGUAAUACUUUUGUAC
hsa-miR-1261	MIMAT0005913		AUGGAUAAGGCUUUGGCUU
hsa-miR-1262	MIMAT0005914		AUGGGUGAAUUUGUAGAAGGAU
hsa-miR-548n	MIMAT0005916		CAAAGUAAUUGUGGAUUUUGU
hsa-miR-548m	MIMAT0005917		CAAAGUAAUUGUGGUUUUUG
hsa-miR-548o-3p	MIMAT0005919	*17	CCAAAACUCGAGUACUUUUGC

hsa-miR-1266-5p	MIMAT0005920	CCUCAGGGCUGUAGAACAGGGCU
hsa-miR-1268a	MIMAT0005922	CGGGCGUGGUGUGGGGG
hsa-miR-1269a	MIMAT0005923	CUGGACUGAGCCGUGCUACUGG
hsa-miR-1270	MIMAT0005924	CUGGAGAUUUGGAAGAGCUGUGU
hsa-miR-1272	MIMAT0005925	GAUGAUGAUGGCAGCAAUUUCUGAAA
hsa-miR-548h-5p	MIMAT0005928	AAAAGUAAUCGCGGUUUUUGUC
hsa-miR-1275	MIMAT0005929	GUGGGGGAGAGGCUGUC
hsa-miR-1276	MIMAT0005930	UAAAGAGCCCUUGUGGAGACA
hsa-miR-302e	MIMAT0005931	UAAGUGCUUCCAUGCUU
hsa-miR-302f	MIMAT0005932	UAAUUGCUUCCAUGUUU
hsa-miR-1277-3p	MIMAT0005933	UACGUAGAUUAUUAUGUAUUUU
hsa-miR-548i	MIMAT0005935	AAAAGUAAUUGCGGAUUUUGCC
hsa-miR-1278	MIMAT0005936	UAGUACUGUGCAUAUCAUCUUAU
hsa-miR-1279	MIMAT0005937	UCAUAUUGCUUCUUUCU
hsa-miR-1281	MIMAT0005939	UCGCCUCCUCUCUCCC
hsa-miR-1288-3p	MIMAT0005942	UGGACUGCCUGAUCUGGAGA
hsa-miR-1252-5p	MIMAT0005944	AGAAGGAAAUUGAAUUCAUUUUA
hsa-miR-1255b-5p	MIMAT0005945	CGGAUGAGCAAAGAAUGGGUU
hsa-miR-664a-3p	MIMAT0005949	UAUUCAUUUAUCCCGAGCCUACA
hsa-miR-1306-3p	MIMAT0005950	ACGUUGGCUCUGGUGGUG
hsa-miR-1307-3p	MIMAT0005951	ACUCGGCGUGGCGUCGGUCGUG
hsa-miR-1322	MIMAT0005953	GAUGAUGCUGCUGAUGCUG
hsa-miR-1197	MIMAT0005955	UAGGACACAUGGUCUACUUCU
hsa-miR-320d	MIMAT0006764	AAAAGCUGGGUUGAGAGGA
hsa-miR-1827	MIMAT0006767	UGAGGCAGUAGAUUGAAU
hsa-miR-516a-3p	MIMAT0006778	*18 UGCUUCCUUCAGAGGGU
hsa-miR-1469	MIMAT0007347	CUCGGCGGGGCGCGGGCUCC
hsa-miR-1537-3p	MIMAT0007399	AAAACCGUCUAGUUACAGUUGU
hsa-miR-1908-5p	MIMAT0007881	CGGCGGGGACGGCGAUUGGUC
hsa-miR-1909-3p	MIMAT0007883	CGCAGGGGCCGGGUGCUCACCG
hsa-miR-1910-5p	MIMAT0007884	CCAGUCCUGUGCCCGCCGCU
hsa-miR-1915-3p	MIMAT0007892	CCCCAGGGCGACGCGGGCGGG
hsa-miR-2113	MIMAT0009206	AUUUGUGCUUGGCUCUGUCAC
hsa-miR-1972	MIMAT0009447	UCAGGCCAGGCACAGUGGCUCA
hsa-miR-1973	MIMAT0009448	ACCGUGCAAAGGUAGCAUA
hsa-miR-1976	MIMAT0009451	CCUCCUGCCUCCUUGCUGU
hsa-miR-2053	MIMAT0009978	GUGUJAAUUAACCCUAUUUUAC
hsa-miR-2110	MIMAT0010133	UUGGGGAAACGGCCGUGAGUG
hsa-miR-151b	MIMAT0010214	UCGAGGAGCUCACAGUCU
hsa-miR-449c-5p	MIMAT0010251	UAGGCAGUGUAUUGCUAGCGGCGU
hsa-miR-761	MIMAT0010364	GCAGCAGGGUGAAACUGACACA
hsa-miR-764	MIMAT0010367	GCAGGUGCUCACUUGUCCUCCU
hsa-miR-2116-5p	MIMAT0011160	GGUUCUUAGCAUAGGAGGUCU
hsa-miR-2117	MIMAT0011162	UGUUCUCUUUGCCAAGGACAG
hsa-miR-548q	MIMAT0011163	GCUGGUGCAAAGUAAUGGCGG
hsa-miR-2278	MIMAT0011778	GAGAGCAGUGUGUUGCCUGG
hsa-miR-2682-5p	MIMAT0013517	CAGGCAGUGACUGUUCAGACGUC
hsa-miR-3127-5p	MIMAT0014990	AUCAGGGCUUGUGGAAUGGGAAG
hsa-miR-3130-3p	MIMAT0014994	GUCGACCCGGAGACUGGGUAA
hsa-miR-3131	MIMAT0014996	UCGAGGACUGGUGGAAGGGCCUU
hsa-miR-378b	MIMAT0014999	ACUGGACUUGGAGGCAGAA
hsa-miR-3136-5p	MIMAT0015003	CUGACUGAAUAGGUAGGGUCAUU
hsa-miR-3140-3p	MIMAT0015008	AGCUUUUGGAAUUCAGGUAGU
hsa-miR-3144-5p	MIMAT0015014	AGGGGACCAAAGAGAUUAUAG
hsa-miR-3144-3p	MIMAT0015015	AUAUACCGUUCGGUCUCUUUA
hsa-miR-1273c	MIMAT0015017	GGCGACAAAACGAGACCCUGUC
hsa-miR-3147	MIMAT0015019	GGUUGGGCAGUGAGGAGGGUGUGA
hsa-miR-548v	MIMAT0015020	AGCUACAGUUACUUUUGCACCA
hsa-miR-3151-5p	MIMAT0015024	GGUGGGGCAUUGGGAUCAGGU
hsa-miR-3074-3p	MIMAT0015027	GAUAUCAGCUCAGUAGGCACCG
hsa-miR-3158-3p	MIMAT0015032	AAGGGCUUCCUCUCUGCAGGAC
hsa-miR-3161	MIMAT0015035	CUGAUAGAACAGAGGCCAGAU
hsa-miR-3164	MIMAT0015038	UGUGACUUUAAGGGAAUUGCGG
hsa-miR-1260b	MIMAT0015041	AUCCCACCACUGCCACCAU
hsa-miR-3168	MIMAT0015043	GAGUUCUACAGUCAGAC
hsa-miR-1193	MIMAT0015049	GGGAUGGUAGACCCGGUAGCGUC
hsa-miR-323b-3p	MIMAT0015050	CCCAAUACACGGUCGACCUCUU
hsa-miR-3179	MIMAT0015056	AGAAGGGGUGAAUUUAAACGU
hsa-miR-3180-5p	MIMAT0015057	CUUCCAGACGCUCCGCCCCAGGUCG
hsa-miR-3180-3p	MIMAT0015058	UGGGGGGAGCUUCCGGAGGCC
hsa-miR-3182	MIMAT0015062	GCUUCUGUAGUGUAGUC
hsa-miR-3185	MIMAT0015065	AGAAGAAGCGGUCGGUCUCGCGG
hsa-miR-3065-5p	MIMAT0015066	UCAACAAAUCACUGAUGCUGGA

hsa-miR-320e	MIMAT0015072		AAAGCUGGGUUGAGAAGG
hsa-miR-3192-5p	MIMAT0015076		UCUGGGAGGUUGUAGCAGUGGAA
hsa-miR-3195	MIMAT0015079		CGCGCCGGGCCCGGGUU
hsa-miR-3196	MIMAT0015080		CGGGGCGGCAGGGCCUC
hsa-miR-514b-5p	MIMAT0015087		UUCUCAAGAGGGAGGCAAUCAU
hsa-miR-514b-3p	MIMAT0015088		AUUGACACCUCUGUGAGUGGA
hsa-miR-3202	MIMAT0015089		UGGAAGGGAGAAGAGCUUUAAU
hsa-miR-3065-3p	MIMAT0015378		UCAGCACAGGAUUAUUGUGGAG
hsa-miR-378c	MIMAT0016847		ACUGGACUUGGAGUCAGAAGAGUGG
hsa-miR-4284	MIMAT0016915		GGGCUCACAUACCCCAU
hsa-miR-4286	MIMAT0016916		ACCCACUCCUGGUACC
hsa-miR-3605-5p	MIMAT0017981		UGAGGAUGGAUAGCAAGGAAGCC
hsa-miR-3605-3p	MIMAT0017982		CCUCCGUGUUACCUUGCCUCUAG
hsa-miR-3613-5p	MIMAT0017990		UGUUGUACUUUUUUUUUUUGUUC
hsa-miR-3613-3p	MIMAT0017991		ACAAAAAAGCCCAACCCUUC
hsa-miR-3614-5p	MIMAT0017992		CCACUUGGAUCUGAAGGCUGCCC
hsa-miR-3614-3p	MIMAT0017993		UAGCCUUCAGAUUCUGGUGUUUU
hsa-miR-3615	MIMAT0017994		UCUCUCGGCUCUCGCGGCUC
hsa-miR-23c	MIMAT0018000		AUCACAUUGCCAGUGAUUACCC
hsa-miR-3690	MIMAT0018119		ACCUAGACCCAGCGUAGACAAAG
hsa-miR-3180	MIMAT0018178		UGGGGCGGAGCUCCGGAG
hsa-miR-3916	MIMAT0018190		AAGAGGAAGAAUUGCUGGUUCUCAG
hsa-miR-3918	MIMAT0018192		ACAGGGCCGCGAGUAGGAGACU
hsa-miR-3150b-3p	MIMAT0018194		UGAGGAGAUUCGAGGUUGG
hsa-miR-3928-3p	MIMAT0018205		GGAGGAACCUUGGAGCUUCGGC
hsa-miR-3934-5p	MIMAT0018349		UCAGGUGUGGAAACUGAGGCAG
hsa-miR-548y	MIMAT0018354		AAAAGUAAUCAGUUUUUGCC
hsa-miR-374c-5p	MIMAT0018443		AUAAUACAACUCGUAAAGUGCU
hsa-miR-548z	MIMAT0018446	*20	CAAAAACCGCAUUACUUUUGCA
hsa-miR-548aa	MIMAT0018447	*21	AAAAACACAUUACUUUUGCACCA
hsa-miR-1268b	MIMAT0018925		CGGGCGUGGUGUGGGGUG
hsa-miR-378d	MIMAT0018926		ACUGGACUUGGAGUCAGAAA
hsa-miR-378e	MIMAT0018927		ACUGGACUUGGAGUCAGGA
hsa-miR-378f	MIMAT0018932		ACUGGACUUGGAGCCAGAAG
hsa-miR-4421	MIMAT0018934		ACCUUCUGUGGAAAGGAGCUA
hsa-miR-378g	MIMAT0018937		ACUGGGCUUGGAGUCAGAAG
hsa-miR-4425	MIMAT0018940		UGUUGGGAUUCAGCAGGACCAU
hsa-miR-548ad-3p	MIMAT0018946		GAAAACGACAAUGACUUUUGCA
hsa-miR-4431	MIMAT0018947		GCGACUCGAAAACUAGAAGGU
hsa-miR-4435	MIMAT0018951		AUGGCCAGAGCUCACACAGAGG
hsa-miR-4443	MIMAT0018961		UUGGAGGCUGGGUUUU
hsa-miR-4448	MIMAT0018967		GGCUCCUUGGUCUAGGGGUA
hsa-miR-548ah-5p	MIMAT0018972		AAAAGUGAUUGCAGUGUUUG
hsa-miR-4451	MIMAT0018973		UGGUAGAGCUGAGGACA
hsa-miR-4454	MIMAT0018976	*22	GGAUCCGAGUCACGCACCA
hsa-miR-4455	MIMAT0018977		AGGGUGUGUGUUUUUU
hsa-miR-4458	MIMAT0018980		AGAGGUAGGUGUGGAAGAA
hsa-miR-4461	MIMAT0018983		GAUUGAGACUAGUAGGGCUAGGC
hsa-miR-378h	MIMAT0018984		ACUGGACUUGGUGUCAGAUUG
hsa-miR-548ai	MIMAT0018989	*7	AAAGGUAAUUGCAGUUUUUCCC
hsa-miR-548ak	MIMAT0019013		AAAAGUACUGCGGUUUUUGA
hsa-miR-4485-3p	MIMAT0019019		UAACGGCCGGUACCCUAA
hsa-miR-4488	MIMAT0019022		AGGGGGCGGGCUCGGCG
hsa-miR-548al	MIMAT0019024		AACGGCAAUGACUUUUGUACCA
hsa-miR-4516	MIMAT0019053		GGGAGAAGGGUCGGGGC
hsa-miR-4521	MIMAT0019058		GCUAAGGAAGUCCUGUCUCAG
hsa-miR-1269b	MIMAT0019059		CUGGACUGAGCCAUCUACUGG
hsa-miR-4524a-5p	MIMAT0019062		AUAGCAGCAUGAACCUUGUCUA
hsa-miR-4531	MIMAT0019070		AUGGAGAAGGCUUCUGA
hsa-miR-4532	MIMAT0019071		CCCCGGGGAGCCCGCG
hsa-miR-378i	MIMAT0019074		ACUGGACUAGGAGUCAGAAGG
hsa-miR-4536-5p	MIMAT0019078		UGUGGUAGAUUAUGCAGCAU
hsa-miR-3140-5p	MIMAT0019204		ACCUGAAUUAACAAAAGCUUU
hsa-miR-4647	MIMAT0019709		GAAGAUGGUGCUGUGCUGAGGAA
hsa-miR-219b-3p	MIMAT0019748		AGAAUUGCGUUUGGACAAUCAGU
hsa-miR-4707-5p	MIMAT0019807		GCCCCGGCGGGGCGGUUCUGG
hsa-miR-4707-3p	MIMAT0019808		AGCCCCCCCAGCCGAGGUUCU
hsa-miR-4741	MIMAT0019871		CGGGCUGUCCGGAGGGUCGGCU
hsa-miR-371b-5p	MIMAT0019892		ACUCAAAAGAUUGCGGCACUUU
hsa-miR-4755-5p	MIMAT0019895		UUUCCCUUCAGAGCCUGGCUUU
hsa-miR-499b-5p	MIMAT0019897		ACAGACUUGCUGUGAUUUUCA
hsa-miR-499b-3p	MIMAT0019898		AACAUCACUGCAAGUCUUAACA
hsa-miR-1245b-5p	MIMAT0019950		UAGGCCUUUAGAUACUUAAA

hsa-miR-1245b-3p	MIMAT0019951	UCAGAUGAUCUAAAGGCCUAUA
hsa-miR-4787-5p	MIMAT0019956	GCGGGGGUGGCGCGCAUCCC
hsa-miR-4787-3p	MIMAT0019957	GAUGCGCCGCCACUGCCCCGCGC
hsa-miR-4792	MIMAT0019964	CGGUGAGCGCUCGUGGC
hsa-miR-642a-3p	MIMAT0020924	AGACACAUUUGGAGAGGGAACC
hsa-miR-548ah-3p	MIMAT0020957	*17 CAAAAACUGCAGUUACUUUUGC
hsa-miR-4536-3p	MIMAT0020959	UCGUGCAUUAUACCAU
hsa-miR-5001-5p	MIMAT0021021	AGGGCUGGACUCAGCGGCGGAGCU
hsa-miR-5001-3p	MIMAT0021022	UUCUGCCUCUGUCCAGGUCCUU
hsa-miR-5010-5p	MIMAT0021043	AGGGGGAUGGCAGAGCAAAAUU
hsa-miR-5010-3p	MIMAT0021044	UUUUGUGUCUCCAUUCCCCAG
hsa-miR-5196-5p	MIMAT0021128	AGGGAAGGGGACGAGGGUUGGG
hsa-miR-5196-3p	MIMAT0021129	*19 UCAUCCUCGUCUCCUCCAG
hsa-miR-548ar-5p	MIMAT0022265	AAAAGUAAUUGCAGUUUUUGC
hsa-miR-548ar-3p	MIMAT0022266	UAAAACUGCAGUUUUUUUGC
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hsa-miR-664b-3p	MIMAT0022272	UUCAUUUGCCUCCAGCCUACA
hsa-miR-548av-3p	MIMAT0022304	*17 AAAACUGCAGUUACUUUUGC
hsa-miR-197-5p	MIMAT0022691	CGGGUAGAGAGGGCAGUGGGAGG
hsa-miR-211-3p	MIMAT0022694	GCAGGGACAGCAAAGGGGUGC
hsa-miR-301a-5p	MIMAT0022696	GCUCUGACUUUAUUGCACUACU
hsa-miR-382-3p	MIMAT0022697	AAUCAUUACGGACAACACUU
hsa-miR-345-3p	MIMAT0022698	GCCCUAACGAGGGGUCUGGAG
hsa-miR-450a-1-3p	MIMAT0022700	AUUGGGAACAUUUUGCAUGUAU
hsa-miR-506-5p	MIMAT0022701	UAUUACAGGAAGGUGUACUUA
hsa-miR-514a-5p	MIMAT0022702	UACUCUGGAGAGUACAUAUG
hsa-miR-539-3p	MIMAT0022705	AUCAUACAAGGACAAUUUCUUU
hsa-miR-561-5p	MIMAT0022706	AUCAAGAUUUAAACUUUGCC
hsa-miR-570-5p	MIMAT0022707	*7 AAAGGUAAUUGCAGUUUUUCCC
hsa-miR-584-3p	MIMAT0022708	UCAGUCCAGGCCAACCCAGGCU
hsa-miR-652-5p	MIMAT0022709	CAACCCUAGGAGAGGGUGCCAUUCA
hsa-miR-660-3p	MIMAT0022711	ACCUCCUGUGCAUGGAUUA
hsa-miR-1271-3p	MIMAT0022712	AGUGCCUGCUAUGUGCCAGGCA
hsa-miR-1185-2-3p	MIMAT0022713	AUAUACAGGGGAGACUCUCAU
hsa-miR-766-5p	MIMAT0022714	AGGAGGAAUUGGUGCUGGUCUU
hsa-miR-873-3p	MIMAT0022717	GGAGACUGAUGAGUCCCGGGA
hsa-miR-1285-5p	MIMAT0022719	GAUCUCACUUUGUUGCCAGG
hsa-miR-1304-3p	MIMAT0022720	UCUCACUGUAGCCUCGAACCCC
hsa-miR-548h-3p	MIMAT0022723	*20 CAAAAACCGCAAUUAUUUGCA
hsa-miR-1306-5p	MIMAT0022726	CCACCUCCCCUGCAAACGUCCA
hsa-miR-1307-5p	MIMAT0022727	UCGACCCGACCUAGCCGGCU
hsa-miR-513c-3p	MIMAT0022728	UAAAUUUACCCUUUCUGAGAAGA
hsa-miR-548t-3p	MIMAT0022730	*21 AAAAACCCACAAUUAUUUGCCACA
hsa-miR-548o-5p	MIMAT0022738	*15 AAAAGUAAUUGCGUUUUUGCC
hsa-miR-548am-5p	MIMAT0022740	*15 AAAAGUAAUUGCGUUUUUGCC
hsa-miR-365b-5p	MIMAT0022833	AGGGACUUUACGGGGCAGCUGU
hsa-miR-365b-3p	MIMAT0022834	*6 UAAUGCCCCUAAAAUCCUUAU
hsa-miR-1185-1-3p	MIMAT0022838	AUAUACAGGGGAGACUUAU
hsa-miR-3190-3p	MIMAT0022839	UGUGGAAGGUAGACGCCAGAGA
hsa-miR-98-3p	MIMAT0022842	CUAUACAACUUAUUAUUCCC
hsa-miR-376c-5p	MIMAT0022861	GGUGGAUUAUCCUUAUUAU
hsa-miR-381-5p	MIMAT0022862	AGCGAGGUUGCCUUUGUAUUAU
hsa-miR-495-5p	MIMAT0022924	GAAGUUGCCCAUGUUAUUUUCG
hsa-miR-503-3p	MIMAT0022925	GGGUUAUUUGUUCGUGCCAGG
hsa-miR-376a-2-5p	MIMAT0022928	GGUAGAUUUUCCUUAUUGGU
hsa-miR-758-5p	MIMAT0022929	GAUGGUUAGCCAGAGACACAC
hsa-miR-6503-5p	MIMAT0025462	AGGUCUGCAUUAUUAUCCCGAGA
hsa-miR-6503-3p	MIMAT0025463	GGGACUAGGAUGCAGACUCC
hsa-miR-6511a-5p	MIMAT0025478	CAGGCAGAAGUGGGCUGACAGG
hsa-miR-6511a-3p	MIMAT0025479	CCUCACCAUCCCUUCUGCCUGC
hsa-miR-6720-3p	MIMAT0025851	CGCGCCUGCAGGAACUGGUAGA
hsa-miR-6721-5p	MIMAT0025852	UGGGCAGGGCUUAUUGUAGGAG
hsa-miR-6724-5p	MIMAT0025856	CUGGGCCCGCGGCGGCGUGGGG
hsa-miR-210-5p	MIMAT0026475	AGCCCCUGCCACCACACUG
hsa-miR-128-1-5p	MIMAT0026477	CGGGCCGUAGCACUGUCUGAGA
hsa-miR-133a-5p	MIMAT0026478	AGCUGGUAAAAUGGAACCAAAU
hsa-miR-152-5p	MIMAT0026479	AGGUUCUGUGAUACACUCCGACU
hsa-miR-134-3p	MIMAT0026481	CCUGUGGGCCACCUAGUACCAA
hsa-miR-190a-3p	MIMAT0026482	CUAUUAUCAAACAUAUUCCU
hsa-miR-370-5p	MIMAT0026483	CAGGUCACGUCUCUGCAGUUAU
hsa-miR-328-5p	MIMAT0026486	GGGGGGCAGGAGGGCUCAGGG
hsa-miR-433-5p	MIMAT0026554	UACGGUGAGCCUUGCAUUAUUC
hsa-miR-329-5p	MIMAT0026555	GAGGUUUUCUGGUUUUCGUUUC

hsa-miR-494-5p	MIMAT0026607		AGGUUGUCCGUGUUGUCUUCUCU
hsa-miR-181d-3p	MIMAT0026608		CCACCGGGGAUGAAUGUCAC
hsa-miR-504-3p	MIMAT0026612		GGGAGUGCAGGGCAGGGUUUC
hsa-miR-510-3p	MIMAT0026613		AUUGAAACCUUAAGAGUGGA
hsa-miR-487b-5p	MIMAT0026614		GUGGUUAUCCCUUGUCCUGUUCG
hsa-miR-579-5p	MIMAT0026616		UCGCGGUUUGGCCAGAUGACG
hsa-miR-627-3p	MIMAT0026623		UCUUUUCUUUGAGACUCACU
hsa-miR-651-3p	MIMAT0026624		AAAGGAAAGUGUAUCCUAAAAG
hsa-miR-1296-3p	MIMAT0026637		GAGUGGGGUUCGACCCUAACC
hsa-miR-874-5p	MIMAT0026718		CGGCCCCACGCACCAGGGUAAGA
hsa-miR-887-5p	MIMAT0026720		CUUGGGAGCCUGUUAGACUC
hsa-miR-208b-5p	MIMAT0026722		AAGCUUUUUGCUCGAAUUUUGU
hsa-miR-942-3p	MIMAT0026734		CACAUUGCCGAAACAGAGAAGU
hsa-miR-548e-5p	MIMAT0026736		CAAAAGCAAUCGCGGUUUUUGC
hsa-miR-548j-3p	MIMAT0026737		CAAAAACUGCAUUACUUUUGC
hsa-miR-1287-3p	MIMAT0026738		CUCUAGCCACAGAUGCAGUGAU
hsa-miR-1908-3p	MIMAT0026916		CCGGCCCGCGCUCGCGCCCG
hsa-miR-1910-3p	MIMAT0026917		GAGGCAGAAGCAGGAUGACA
hsa-miR-6728-5p	MIMAT0027357	*5	UUGGGAUGGUAGGACCAGAGGGG
hsa-miR-6732-3p	MIMAT0027366	*19	UAACCCUGUCCUCUCCCUCCAG
hsa-miR-450a-2-3p	MIMAT0031074		AUUGGGGACAUUUUGCAUUCAU
hsa-miR-128-2-5p	MIMAT0031095		GGGGGCCGAUACACUGUACGAGA
hsa-miR-7975	MIMAT0031178	*22	AUCCUAGUCACGGCACCA
hsa-miR-203a-5p	MIMAT0031890		AGUGGUUCUUAAAGUUAACAGUU
hsa-miR-1-5p	MIMAT0031892		ACAUACUUCUUUAUUGCCCAU
hsa-miR-181b-2-3p	MIMAT0031893		CUCACUGAUCAAUGAAUGCA
hsa-miR-301b-5p	MIMAT0032026		GCUCUGACGAGGUUGCACUACU
hsa-miR-1249-5p	MIMAT0032029		AGGAGGGAGGAGAUGGCCAAGUU
Non-Mammalian Spike in miRNA probes			
ath-miR159a	MIMAT0000177		UUUGGAUUGAAGGGAGCUCUA
cel-miR-248	MIMAT0000304		AUACACGUGCACGGAUAAACGCUCA
cel-miR-254	MIMAT0000310		UGCAAUUCUUUCGCGACUGUAGG
osa-miR414	MIMAT0001330		UCAUCCUCAUCAUCGUGCC
osa-miR442	MIMAT0001605		UGACGUGUAAAUUGCGAGACGAAU
Internal Reference Genes			
ACTB	NM_001101.2		TGCAGAAGGAGATCACTGCCCTGGCACCCAGCACAATGAAGATCAAGATCATTGCTCCTCC
B2M	NM_004048.2		CGGGCATTCTGAAGCTGACAGCATTGGGGCCGAGATGTCTCGCTCCGTGGCCTTAGCTG
GAPDH	NM_002046.3		TCCTCCTGTTGACAGTCAGCCGCATCTTTTTCGCTCGCCAGCCGAGCCACATCGCTCA
RPL19	NM_000981.3		CCAATGCCCGAATGCCAGAGAAGGTCACATGGATGAGGAGAATGAGGATTTGCGCCGGC
RPLP0	NM_001002.3		CGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAGATGCAGCAGATCCGCAT

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* miRNA species identified with an asterisk in the column "Target Note" are targeted by a non-unique probe. All species targeted by the same probe share the same number after the asterisk.