

Gene Symbol	Accession Number	Target Sequence		
hsa-let-7a-5p	MIMAT0000062	UGAGGUAGUAGGUUGUAUAGUU		
hsa-let-7b-5p	MIMAT0000063	UGAGGUAGUAGGUUGUGUGGUU		
hsa-let-7c-5p	MIMAT0000064	UGAGGUAGUAGGUUGUAUGGUU		
hsa-let-7d-5p	MIMAT0000065	AGAGGUAGUAGGUUGCAUAGUU		
hsa-let-7e-5p	MIMAT0000066	UGAGGUAGGAGGUUGUAUAGUU		
hsa-let-7f-5p	MIMAT0000067	UGAGGUAGUAGAUUGUAUAGUU		
hsa-miR-15a-5p	MIMAT0000068	UAGCAGCACAUAAUGGUUUUG		
hsa-miR-16-5p	MIMAT0000069	UAGCAGCACGUAAAUAUUGGCG		
hsa-miR-17-5p	MIMAT0000070	CAAAGUGCUUACAGUGCAGGUAG		
hsa-miR-18a-5p	MIMAT0000072	UAAGGUGCAUCUAGUGCAGAUAG		
hsa-miR-19a-3p	MIMAT0000073	UGUGCAAUUCUAUGCAAACUGA		
hsa-miR-19b-3p	MIMAT0000074	UGUGCAAUCCAUGCAAACUGA		
hsa-miR-20a-5p	MIMAT0000075	UAAAGUGCUUAUAGUGCAGGUAG		
hsa-miR-21-5p	MIMAT0000076	UAGCUUAUCAGACUGAUGUUGA		
hsa-miR-22-3p	MIMAT0000077	AAGCUGCCAGUUGAAGAACUGU		
hsa-miR-23a-3p	MIMAT0000078	AUCACAUUGCCAGGGAUUUC		
hsa-miR-24-3p	MIMAT0000080	UGGCUCAGUUCAGCAGGAACAG		
hsa-miR-25-3p	MIMAT0000081	CAUUGCACUUGUCUCGGUCUGA		
hsa-miR-26a-5p	MIMAT0000082	UUCAAGUAAUCCAGGAUAGGCU		
hsa-miR-26b-5p	MIMAT0000083	UUCAAGUAAUCCAGGAUAGGU		
hsa-miR-27a-3p	MIMAT0000084	UUCACAGUGGCUAAGUUCGCG		
hsa-miR-28-5p	MIMAT0000085	AAGGAGCUCACAGUCUAUUGAG		
hsa-miR-29a-3p	MIMAT0000086	UAGCACCAUCUGAAAUCGGUUA		
hsa-miR-30a-5p	MIMAT0000087	UGUAAACAUCUCGACUGGAAG		
hsa-miR-30a-3p	MIMAT0000088	CUUUCAGUCGGAUGUUUGCAGC		
hsa-miR-31-5p	MIMAT0000089	AGGCAAGAUUGCUGGCAUAGCU		
hsa-miR-32-5p	MIMAT0000090	UAUUGCACAUUACUAAGUUGCA		
hsa-miR-33a-5p	MIMAT0000091	GUGCAUUGUAGUUGCAUUGCA		
hsa-miR-92a-3p	MIMAT0000092	UAUUGCACUUGUCCCGGCCUGU		
hsa-miR-93-5p	MIMAT0000093	CAAAGUGCUGUUCGUGCAGGUAG		
hsa-miR-95-3p	MIMAT0000094	UUCAACGGGUAAUUUAUUGAGCA		
hsa-miR-96-5p	MIMAT0000095	UUUGGCACUAGCACAUUUUUGCU		
hsa-miR-98-5p	MIMAT0000096	UGAGGUAGUAAGUUGUAUUGUU		
hsa-miR-99a-5p	MIMAT0000097	AACCCGUAGAUCCGAUCUUGUG		
hsa-miR-100-5p	MIMAT0000098	AACCCGUAGAUCCGAACUUGUG		
hsa-miR-101-3p	MIMAT0000099	UACAGUACUGUGAUAACUGAA		
hsa-miR-29b-3p	MIMAT0000100	UAGCACCAUUUGAAAUCAGUGUU		
hsa-miR-103a-3p	MIMAT0000101	AGCAGCAUUGUACAGGGCUAUGA		
hsa-miR-105-5p	MIMAT0000102	UCAAUUGCUCAGACUCCUGUGGU		
hsa-miR-106a-5p	MIMAT0000103	AAAAGUGCUIACAGUGCAGGUAG		
hsa-miR-107	MIMAT0000104	AGCAGCAUUGUACAGGGCUAUCA		
hsa-miR-192-5p	MIMAT0000222	CUGACCUAUGAAUUGACAGCC		
hsa-miR-196a-5p	MIMAT0000226	UAGGUAGUUUCAUGUUGUUGGG		
hsa-miR-197-3p	MIMAT0000227	UUCACCACCUUCUCCACCAGC		
hsa-miR-198	MIMAT0000228	GGUCCAGAGGGGAGAUAGGUUC		
hsa-miR-199a-5p	MIMAT0000231	CCCAGUGUUCAGACUACCUUGUUC		
hsa-miR-199a-3p	MIMAT0000232	ACAGUAGUCUGCACAUUGGUUA		
hsa-miR-208a-3p	MIMAT0000241	AUAAGACGAGCAAAAAGCUUGU		
hsa-miR-129-5p	MIMAT0000242	CUUUUUGCGGUCUGGGCUUGC		

hsa-miR-148a-3p	MIMAT0000243	UCAGUGCACUACAGAACUUUGU		
hsa-miR-30c-5p	MIMAT0000244	UGUAAACAUCUACACUCUCAGC		
hsa-miR-30d-5p	MIMAT0000245	UGUAAACAUCUCCCGACUGGAAG		
hsa-miR-139-5p	MIMAT0000250	UCUACAGUGCACGUGUCUCCAG		
hsa-miR-147a	MIMAT0000251	GUGUGUGGAAUAGCUUCUGC		
hsa-miR-7-5p	MIMAT0000252	UGGAAGACUAGUGAUUUUGUUGU		
hsa-miR-10a-5p	MIMAT0000253	UACCCUGUAGAUCCGAAUUUGUG		
hsa-miR-10b-5p	MIMAT0000254	UACCCUGUAGAACCGAAUUUGUG		
hsa-miR-34a-5p	MIMAT0000255	UGGCAGUGUCUJAGCUGGUUGU		
hsa-miR-181a-5p	MIMAT0000256	AACAUUCAACGCUGUCGGUGAGU		
hsa-miR-181b-5p	MIMAT0000257	AACAUUCAUJGCUGUCGGUGGGU		
hsa-miR-181c-5p	MIMAT0000258	AACAUUCAACCGUCUGCGGUGAGU		
hsa-miR-182-5p	MIMAT0000259	UUJUGGCAAUGGUAGAACUCACACU		
hsa-miR-182-3p	MIMAT0000260	UGGUUCUAGACUJGCCAACUA		
hsa-miR-183-5p	MIMAT0000261	UAJUGGCACUJGUAGAAUUCACU		
hsa-miR-187-3p	MIMAT0000262	UCGUGUCUJUGUJUGCAGCCGG		
hsa-miR-199b-5p	MIMAT0000263	CCCAGUGUUJAGACUJUCUGUJUC		
hsa-miR-203a-3p	MIMAT0000264	GUGAAAUGUUJAGGACCACUAG		
hsa-miR-204-5p	MIMAT0000265	UJCCCUUJUGUCAUCCUJUGCCU		
hsa-miR-205-5p	MIMAT0000266	UCCUUCAUJCCACCGGAGUCUG		
hsa-miR-210-3p	MIMAT0000267	CUGUGCGUGUGACAGCGGCUGA		
hsa-miR-211-5p	MIMAT0000268	UJCCCUUJUGUCAUCCUJUGCCU		
hsa-miR-212-3p	MIMAT0000269	UACAGUCUCCAGUCACGGCC		
hsa-miR-181a-3p	MIMAT0000270	ACCAUCGACCGUJGAUJGUACC		
hsa-miR-214-3p	MIMAT0000271	ACAGCAGGCACAGACAGGCAGU		
hsa-miR-215-5p	MIMAT0000272	AUGACCUAUGAAUJGACAGAC		
hsa-miR-216a-5p	MIMAT0000273	UAAUCUCAGCUGGCAACUGUGA		
hsa-miR-217	MIMAT0000274	UACUGCAUCAGGAACUGAUJUGGA		
hsa-miR-218-5p	MIMAT0000275	UJUGUCUJGAUCUACCAUGU		
hsa-miR-219a-5p	MIMAT0000276	UGAUJUGUCCAACGCAAUUCU		
hsa-miR-221-3p	MIMAT0000278	AGCUACAUJGUCUGCUGGGUJUC		
hsa-miR-222-3p	MIMAT0000279	AGCUACAUCUGGCUACUGGGU		
hsa-miR-223-3p	MIMAT0000280	UGUCAGUJUGUCAAAUACCCCA		
hsa-miR-224-5p	MIMAT0000281	CAAGUCACUAGUGGUJCCGUU		
hsa-miR-200b-3p	MIMAT0000318	UAAUACUGCCUGGUAAUGAUGA		
hsa-let-7g-5p	MIMAT0000414	UGAGGUAGUAGUJUGUACAGUU		
hsa-let-7i-5p	MIMAT0000415	UGAGGUAGUAGUJUGUGCUGUU		
hsa-miR-1-3p	MIMAT0000416	UGGAAUGUAAAGAAGUJUGUJAU		
hsa-miR-15b-5p	MIMAT0000417	UAGCAGCACAUCAUGGUUUACA		
hsa-miR-23b-3p	MIMAT0000418	AUCACAUJGCCAGGGAUUACC		
hsa-miR-27b-3p	MIMAT0000419	UUCACAGUGGCUAAGUUCUGC		
hsa-miR-30b-5p	MIMAT0000420	UGUAAACAUCUACACUCAGCU		
hsa-miR-122-5p	MIMAT0000421	UGGAGUGUGACAAJGGUGUJUG		
hsa-miR-124-3p	MIMAT0000422	UAAGGCACGCGGUGAAUGCC		
hsa-miR-125b-5p	MIMAT0000423	UCCUGAGACCUAACUJUGUGA		
hsa-miR-128-3p	MIMAT0000424	UCACAGUGAACCGGUCUCUUU		
hsa-miR-130a-3p	MIMAT0000425	CAGUGCAAUGUUAAAAGGGCAU		
hsa-miR-132-3p	MIMAT0000426	UACAGUCUACAGCCAUGGUCG		
hsa-miR-133a-3p	MIMAT0000427	UUJUGGUCCCUUCAACCAGCUG		
hsa-miR-135a-5p	MIMAT0000428	UAJUGGCUUUUUAUJCCUJUGUGA		

hsa-miR-137	MIMAT0000429	UUUUUUCUUAAGAAUACGCGUAG		
hsa-miR-138-5p	MIMAT0000430	AGCUGGUGUUGUGAAUCAGGCCG		
hsa-miR-140-5p	MIMAT0000431	CAGUGGUUUUACCCUAUGGUAG		
hsa-miR-141-3p	MIMAT0000432	UAACACUGUCUGGUAAGAUGG		
hsa-miR-142-5p	MIMAT0000433	CAUAAAGUAGAAAGCACUACU		
hsa-miR-142-3p	MIMAT0000434	UGUAGUGUUUCCUACUUUAUGGA		
hsa-miR-143-3p	MIMAT0000435	UGAGAUGAAGCACUGUAGCUC		
hsa-miR-144-3p	MIMAT0000436	UACAGUAUAGAUGAUGUACU		
hsa-miR-145-5p	MIMAT0000437	GUCCAGUUUCCAGGAAUCCCU		
hsa-miR-152-3p	MIMAT0000438	UCAGUGCAUGACAGAACUUGG		
hsa-miR-153-3p	MIMAT0000439	UUGCAUAGUCACAAAAGUGAUC		
hsa-miR-191-5p	MIMAT0000440	CAACGGAAUCCCAAAGCAGCUG		
hsa-miR-9-5p	MIMAT0000441	UCUUUGGUUAUCUAGCUGUAUGA		
hsa-miR-125a-5p	MIMAT0000443	UCCCUGAGACCCUUUAACCUUGUGA		
hsa-miR-126-3p	MIMAT0000445	UCGUACCGUGAGUAAUAAUGCG		
hsa-miR-127-3p	MIMAT0000446	UCGGAUCCGUCUGAGCUUGGCU		
hsa-miR-134-5p	MIMAT0000447	UGUGACUGGUUGACCAGAGGGG		
hsa-miR-136-5p	MIMAT0000448	ACUCCAUUUGUUUUGAUGAUGGA		
hsa-miR-146a-5p	MIMAT0000449	UGAGAACUGAAUCCAUGGGUU		
hsa-miR-149-5p	MIMAT0000450	UCUGGCUCCGUGUCUUCACUCCC		
hsa-miR-150-5p	MIMAT0000451	UCUCCCAACCCUUGUACCAGUG		
hsa-miR-154-5p	MIMAT0000452	UAGGUUAUCCGUGUUGCCUUCG		
hsa-miR-184	MIMAT0000454	UGGACGGAGAACUGAUAAAGGGU		
hsa-miR-185-5p	MIMAT0000455	UGGAGAGAAAGGCAGUUCUGA		
hsa-miR-186-5p	MIMAT0000456	CAAAGAAUUCUCCUUUUGGGCU		
hsa-miR-188-5p	MIMAT0000457	CAUCCCUUGCAUGGUGGAGGG		
hsa-miR-190a-5p	MIMAT0000458	UGAUUUGUUUGAUUAUUAAGGU		
hsa-miR-193a-3p	MIMAT0000459	AACUGGCCUACAAAGUCCCAGU		
hsa-miR-194-5p	MIMAT0000460	UGUAACAGCAACUCCAUGUGGA		
hsa-miR-195-5p	MIMAT0000461	UAGCAGCACAGAAUAUUGGC		
hsa-miR-206	MIMAT0000462	UGGAAUGUAAGGAAGUGUGUGG		
hsa-miR-320a	MIMAT0000510	AAAAGCUGGGUUGAGAGGGCGA		
hsa-miR-200c-3p	MIMAT0000617	UAAUACUGCCGGUAAUGAUGGA		
hsa-miR-155-5p	MIMAT0000646	UUAAUGC UAAUCGUGAUAGGGGU		
hsa-miR-106b-5p	MIMAT0000680	UAAAGUGCUGACAGUGCAGAU		
hsa-miR-29c-3p	MIMAT0000681	UAGCACCAUUUGAAAUCGGUUA		
hsa-miR-200a-3p	MIMAT0000682	UAACACUGUCUGGUAACGAUGU		
hsa-miR-302a-5p	MIMAT0000683	ACUUAAACGUGGAUGUACUUGCU		
hsa-miR-302a-3p	MIMAT0000684	UAAGUGC UCCAUGUUUUGGUGA		
hsa-miR-34c-5p	MIMAT0000686	AGGCAGUGUAGUUAGCUGAUUGC		
hsa-miR-299-3p	MIMAT0000687	UAUGUGGGAUGGUAAACCGCUU		
hsa-miR-301a-3p	MIMAT0000688	CAGUGCAAUAGUAUUGUCAAGC		
hsa-miR-99b-5p	MIMAT0000689	CACCCGUAGAACCGACCUUGCG		
hsa-miR-296-5p	MIMAT0000690	AGGGCCCCCCUCAAUCCUGU		
hsa-miR-130b-3p	MIMAT0000691	CAGUGCAAUGAUGAAAGGGCAU		
hsa-miR-30e-5p	MIMAT0000692	UGUAAACAUCUUGACUGGAAG		
hsa-miR-30e-3p	MIMAT0000693	CUUUCAGUCGGAUGUUUACAGC		
hsa-miR-361-5p	MIMAT0000703	UUUUCAGAAUCUCCAGGGGUAC		
hsa-miR-362-5p	MIMAT0000705	AAUCCUUGGAACCUAGGUGUGAGU		
hsa-miR-363-3p	MIMAT0000707	AAUUGCACGGUAUCCAUCUGUA		

hsa-miR-365a-3p	MIMAT0000710	UAAUGCCCCUAAAAUCCUUAU		
hsa-miR-302b-3p	MIMAT0000715	UAAGUGCUUCCAUGUUUUAGUAG		
hsa-miR-302c-3p	MIMAT0000717	UAAGUGCUUCCAUGUUUCAGUGG		
hsa-miR-302d-3p	MIMAT0000718	UAAGUGCUUCCAUGUUUGAGUGU		
hsa-miR-367-3p	MIMAT0000719	AAUUGCACUUUAGCAAUGGUGA		
hsa-miR-376c-3p	MIMAT0000720	AACAUAGAGGAAAUUCCACGU		
hsa-miR-369-3p	MIMAT0000721	AAUAAUACAUGGUUGAUUUUU		
hsa-miR-370-3p	MIMAT0000722	GCCUGCUGGGGUGGAACCUGGU		
hsa-miR-372-3p	MIMAT0000724	AAAGUGCUGCGACAUUUGAGCGU		
hsa-miR-373-3p	MIMAT0000726	GAAGUGCUUCGAUUUUGGGGUGU		
hsa-miR-374a-5p	MIMAT0000727	UUUAAUACAACCUGAUAAGUG		
hsa-miR-375	MIMAT0000728	UUUGUUCGUUCGGCUCGCGUGA		
hsa-miR-376a-3p	MIMAT0000729	AUCAUAGAGGAAAAUCCACGU		
hsa-miR-377-3p	MIMAT0000730	AUCACACAAAGGCAACUUUUGU		
hsa-miR-379-5p	MIMAT0000733	UGGUAGACUAUGGAACGUAGG		
hsa-miR-380-3p	MIMAT0000735	UAUGUAAUAUGGUCCACAUCUU		
hsa-miR-381-3p	MIMAT0000736	UAUACAAGGGCAAGCUCUCUGU		
hsa-miR-382-5p	MIMAT0000737	GAAGUUGUUCGUGGUGGAUUCG		
hsa-miR-383-5p	MIMAT0000738	AGAUCAGAAGGUGAUUGUGGCU		
hsa-miR-330-3p	MIMAT0000751	GCAAAGCACACGGCCUGCAGAGA		
hsa-miR-328-3p	MIMAT0000752	CUGGCCUCUCUGCCCUUCCGU		
hsa-miR-342-3p	MIMAT0000753	UCUCACACAGAAUUCGCACCCGU		
hsa-miR-337-3p	MIMAT0000754	CUCCUAUAUGAUGCCUUUCUUC		
hsa-miR-323a-3p	MIMAT0000755	CACAUUACACGGUCGACCUCU		
hsa-miR-326	MIMAT0000756	CCUCUGGGCCCUUCCUCCAG		
hsa-miR-151a-3p	MIMAT0000757	CUAGACUGAAGCUCCUUGAGG		
hsa-miR-135b-5p	MIMAT0000758	UAUGGCUUUUCAUCCUAUGUGA		
hsa-miR-148b-3p	MIMAT0000759	UCAGUGCAUCACAGAACUUUGU		
hsa-miR-331-3p	MIMAT0000760	GCCCCUGGGCCUAUCCUAGAA		
hsa-miR-324-5p	MIMAT0000761	CGCAUCCCCUAGGGCAUUGGUGU		
hsa-miR-324-3p	MIMAT0000762	ACUGCCCCAGGUGCUGCUGG		
hsa-miR-339-5p	MIMAT0000764	UCCUGUCCUCCAGGAGCUCACG		
hsa-miR-335-5p	MIMAT0000765	UCAAGAGCAAUAACGAAAAAUGU		
hsa-miR-133b	MIMAT0000770	UUUGGUCCCCUUAACCAGCUA		
hsa-miR-325	MIMAT0000771	CCUAGUAGGUGUCCAGUAAGUGU		
hsa-miR-345-5p	MIMAT0000772	GCUGACUCCUAGUCCAGGGCUC		
hsa-miR-346	MIMAT0000773	UGUCUGCCCGCAUGCCUGCCUCU		
hsa-miR-384	MIMAT0001075	AUJCCUAGAAUUGUJCAUA		
hsa-miR-196b-5p	MIMAT0001080	UAGGUAGUUUCCUGUUGUUGGG		
hsa-miR-422a	MIMAT0001339	ACUGGACUJAGGGUCAGAAGGC		
hsa-miR-423-3p	MIMAT0001340	AGCUCGGUCUGAGGCCCCUCAGU		
hsa-miR-424-5p	MIMAT0001341	CAGCAGCAAUJCAUGUUUUGAA		
hsa-miR-18b-5p	MIMAT0001412	UAAGGUGCAUCUAGUGCAGUUAG		
hsa-miR-20b-5p	MIMAT0001413	CAAAGUGCUCUAGUGCAGGUAG		
hsa-miR-448	MIMAT0001532	UUGCAUAUGUAGGAUGUCCAU		
hsa-miR-429	MIMAT0001536	UAAUACUGUCUGGUAAAACCGU		
hsa-miR-449a	MIMAT0001541	UGGCAGUGUAUUGUUAGCUGGU		
hsa-miR-450a-5p	MIMAT0001545	UUUUGCGAUGUGUCCUAAUUAU		
hsa-miR-369-5p	MIMAT0001621	AGAUCGACCGUGUUAUUAUCGC		
hsa-miR-431-5p	MIMAT0001625	UGUCUUGCAGGCCGUCAUGCA		

hsa-miR-433-3p	MIMAT0001627	AUCAUGAUGGGCUCCUCGGUGU		
hsa-miR-329-3p	MIMAT0001629	AACACACCUUGUUAACCUCUUU		
hsa-miR-323b-5p	MIMAT0001630	AGGUUGUCCGUGGUGAGUUCGCA		
hsa-miR-451a	MIMAT0001631	AAACCGUUACCAUUACUGAGUU		
hsa-miR-452-5p	MIMAT0001635	AACUGUUUGCAGAGGAAACUGA		
hsa-miR-409-5p	MIMAT0001638	AGGUUACCCGAGCAACUUUGCAU		
hsa-miR-409-3p	MIMAT0001639	GAAUGUUGCUCGGUGAACCCCU		
hsa-miR-412-3p	MIMAT0002170	ACUUCACCUUGGUCCACUAGCCGU		
hsa-miR-410-3p	MIMAT0002171	AAUUAACACAGAUGGCCUGU		
hsa-miR-376b-3p	MIMAT0002172	AUCAUAGAGGAAAUAUCAUGUU		
hsa-miR-483-3p	MIMAT0002173	UCACUCCUCUCCUCCCGUCUU		
hsa-miR-484	MIMAT0002174	UCAGGCUCAGUCCCCUCCCGAU		
hsa-miR-485-5p	MIMAT0002175	AGAGGCUGGCCGUGAUGAAUUC		
hsa-miR-485-3p	MIMAT0002176	GUCAUACACGGCUCUCCUCUCU		
hsa-miR-487a-3p	MIMAT0002178	AAUCAUACAGGGACAUCAGUU		
hsa-miR-489-3p	MIMAT0002805	GUGACAUCACAUAUACGGCAGC		
hsa-miR-490-3p	MIMAT0002806	CAACCUGGAGGACUCCAUGCUG		
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	AGGACCUGCGGGACAAGAUUCUU		
hsa-miR-432-5p	MIMAT0002814	UCUUGGAGUAGGUCAUUGGGUGG		
hsa-miR-494-3p	MIMAT0002816	UGAAACAUAACGGGAAACCUC		
hsa-miR-495-3p	MIMAT0002817	AAACAACAUGGUGCACUUCUU		
hsa-miR-496	MIMAT0002818	UGAGUAUUACAUGGCCAUCUC		
hsa-miR-193b-3p	MIMAT0002819	AACUGGCCCUCAAAGUCCCGCU		
hsa-miR-497-5p	MIMAT0002820	CAGCAGCACACUGUGGUUUGU		
hsa-miR-181d-5p	MIMAT0002821	AACAUUCAUUGUUGUCGGUGGU		
hsa-miR-512-5p	MIMAT0002822	CACUCAGCCUUGAGGGCACUUUC		
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	GAGUGCCUUCUUUUGGAGCGUU		
hsa-miR-519e-3p	MIMAT0002829	AAGUGCCUCCUUUUAGAGUGUU		
hsa-miR-520f-3p	MIMAT0002830	AAGUGCUCUUUUUAGAGGGUU		
hsa-miR-519c-5p	MIMAT0002831	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-519c-3p	MIMAT0002832	AAAGUGCAUCUUUUUAGAGGAU		
hsa-miR-520a-5p	MIMAT0002833	CUCCAGAGGGAAGUACUUUCU		
hsa-miR-520a-3p	MIMAT0002834	AAAGUGCUUCCUUUUGGACUGU		
hsa-miR-526b-5p	MIMAT0002835	CUCUUGAGGGAAGCACUUUCUGU		
hsa-miR-519b-3p	MIMAT0002837	AAAGUGCAUCCUUUUAGAGGUU		
hsa-miR-525-5p	MIMAT0002838	CUCCAGAGGGAUGCACUUUCU		
hsa-miR-525-3p	MIMAT0002839	GAAGGCGCUUCCUUUAGAGCG		
hsa-miR-523-3p	MIMAT0002840	GAACGCGCUUCCUAUAGAGGGU		
hsa-miR-518f-3p	MIMAT0002842	GAAAGCGCUUCUCUUUAGAGG		
hsa-miR-520b	MIMAT0002843	AAAGUGCUUCCUUUUAGAGGG		
hsa-miR-518b	MIMAT0002844	CAAAGCGCUCCCCUUUAGAGGU		
hsa-miR-526a	MIMAT0002845	CUCUAGAGGGAAGCACUUUCUG		

hsa-miR-520c-3p	MIMAT0002846	AAAGUGCUUCCUUUUAGAGGGU		
hsa-miR-518c-5p	MIMAT0002847	UCUCUGGAGGGAAGCACUUUCUG		
hsa-miR-518c-3p	MIMAT0002848	CAAAGCGCUUCUCUUUAGAGUGU		
hsa-miR-524-3p	MIMAT0002850	GAAGGCGCUUCCCUUUGGAGU		
hsa-miR-517a-3p	MIMAT0002852	AUCGUGCAUCCCUUUAGAGUGU		
hsa-miR-519d-3p	MIMAT0002853	CAAAGUGCCUCCCUUUAGAGUG		
hsa-miR-521	MIMAT0002854	AACGCACUUCCCUUUAGAGUGU		
hsa-miR-520d-5p	MIMAT0002855	CUACAAAGGGAAGCCCUUUC		
hsa-miR-520d-3p	MIMAT0002856	AAAGUGCUUCUCUUUGGUGGGU		
hsa-miR-517b-3p	MIMAT0002857	AUCGUGCAUCCCUUUAGAGUGU		
hsa-miR-520g-3p	MIMAT0002858	ACAAAGUGCUUCCCUUUAGAGUGU		
hsa-miR-516b-5p	MIMAT0002859	AUCUGGAGGUAAGAAGCACUUU		
hsa-miR-516b-3p	MIMAT0002860	UGCUUCCUUUCAGAGGGU		
hsa-miR-518e-3p	MIMAT0002861	AAAGCGCUUCCCUUCAGAGUG		
hsa-miR-527	MIMAT0002862	CUGCAAAGGGAAGCCCUUUC		
hsa-miR-518d-3p	MIMAT0002864	CAAAGCGCUUCCCUUUGGAGC		
hsa-miR-517c-3p	MIMAT0002866	AUCGUGCAUCCUUUUAGAGUGU		
hsa-miR-520h	MIMAT0002867	ACAAAGUGCUUCCCUUUAGAGU		
hsa-miR-522-3p	MIMAT0002868	AAAUGGUUCCCUUUAGAGUGU		
hsa-miR-519a-3p	MIMAT0002869	AAAGUGCAUCCUUUUAGAGUGU		
hsa-miR-499a-5p	MIMAT0002870	UUAAGACUUGCAGUGAUGUUU		
hsa-miR-501-5p	MIMAT0002872	AAUCCUUUGUCCCUUGGGUGAGA		
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	UUCACAGGGAGGUGUCAU		
hsa-miR-506-3p	MIMAT0002878	UAAGGCACCCUUCUGAGUAGA		
hsa-miR-507	MIMAT0002879	UUUUGCACCUUUUGGAGUGAA		
hsa-miR-508-3p	MIMAT0002880	UGAUUGUAGCCUUUUGGAGUAGA		
hsa-miR-509-3p	MIMAT0002881	UGAUUGGUACGUCUGUGGGUAG		
hsa-miR-510-5p	MIMAT0002882	UACUCAGGAGAGUGGCAUUCAC		
hsa-miR-514a-3p	MIMAT0002883	AUUGACACUUCUGUGAGUAGA		
hsa-miR-532-5p	MIMAT0002888	CAUGCCUUGAGUGUAGGACCGU		
hsa-miR-299-5p	MIMAT0002890	UGGUUUACCGUCCACAUACAU		
hsa-miR-455-5p	MIMAT0003150	UAUGUGCCUUUGGACUACAUCG		
hsa-miR-493-3p	MIMAT0003161	UGAAGGUCUACUGUGUGCCAGG		
hsa-miR-539-5p	MIMAT0003163	GGAGAAAUAUCCUUGGUGUGU		
hsa-miR-544a	MIMAT0003164	AUUCUGCAUUUUUAGCAAGUUC		
hsa-miR-545-3p	MIMAT0003165	UCAGCAAACAUUUUAUUGUGUGC		
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	AGGGUAAGCUGAACCUCUGAU		
hsa-miR-556-5p	MIMAT0003220	GAUGAGCUCAUUGUAUAUAGAG		
hsa-miR-561-3p	MIMAT0003225	CAAAGUUUAAGAUCUUGAAGU		
hsa-miR-562	MIMAT0003226	AAAGUAGCUGUACCAUUUGC		

hsa-miR-563	MIMAT0003227	AGGUUGACAUACGUUUUCCC		
hsa-miR-564	MIMAT0003228	AGGCACGGUGUCAGCAGGC		
hsa-miR-566	MIMAT0003230	GGGCGCCUGUGAUCCCAAC		
hsa-miR-567	MIMAT0003231	AGUAUGUUCUUCAGGACAGAAC		
hsa-miR-568	MIMAT0003232	AUGUAUAAAUGUAUACACAC		
hsa-miR-551b-3p	MIMAT0003233	GCGACCCAUACUUGGUUUUCAG		
hsa-miR-570-3p	MIMAT0003235	CGAAAACAGCAAUUACCUUUGC		
hsa-miR-571	MIMAT0003236	UGAGUUGGCCAUCUGAGUGAG		
hsa-miR-572	MIMAT0003237	GUCCGCUCGGCGGUGGCCCA		
hsa-miR-573	MIMAT0003238	CUGAAGUGAUGUGUAACUGAUCAG		
hsa-miR-574-3p	MIMAT0003239	CACGCUCAUGCACACACCCACA		
hsa-miR-575	MIMAT0003240	GAGCCAGUUGGACAGGAGC		
hsa-miR-576-5p	MIMAT0003241	AUUCUAAUUUCUCCACGUUUU		
hsa-miR-577	MIMAT0003242	UAGAUAAAUAUUGGUACCUG		
hsa-miR-578	MIMAT0003243	CUUCUUGUGCUCUAGGAUUGU		
hsa-miR-579-3p	MIMAT0003244	UUCAUUUGGUAUAAACCGCGAUU		
hsa-miR-580-3p	MIMAT0003245	UUGAGAAUGAUGAAUCAUUAGG		
hsa-miR-582-5p	MIMAT0003247	UUACAGUUGUUAACCAGUUACU		
hsa-miR-584-5p	MIMAT0003249	UUAUGGUUUGCCUGGGACUGAG		
hsa-miR-585-3p	MIMAT0003250	UGGGCGUAUCUGUAUGCUA		
hsa-miR-548a-3p	MIMAT0003251	CAAACUGGCAAUUACUUUUGC		
hsa-miR-587	MIMAT0003253	UUUCCAUAGGUGAUGAGUCAC		
hsa-miR-548b-3p	MIMAT0003254	CAAGAACCUCAGUUGCUIUUUGU		
hsa-miR-590-5p	MIMAT0003258	GAGCUUAUUCAUAAAAGUGCAG		
hsa-miR-591	MIMAT0003259	AGACCAUGGGUUCUCAUUGU		
hsa-miR-592	MIMAT0003260	UUGUGUCAUAUUGCGAUGAUGU		
hsa-miR-595	MIMAT0003263	GAAGUGUGCCGUGGUGUGUCU		
hsa-miR-596	MIMAT0003264	AAGCCUGCCCGGCUCUCCGGG		
hsa-miR-597-5p	MIMAT0003265	UGUGUCACUCGAUGACCACUGU		
hsa-miR-598-3p	MIMAT0003266	UACGUCAUCGUUGUCAUCGUCA		
hsa-miR-599	MIMAT0003267	GUUGUGUCAGUUUAUCAAAC		
hsa-miR-600	MIMAT0003268	ACUUACAGACAAGAGCCUUGCUC		
hsa-miR-601	MIMAT0003269	UGGUCUAGGAUUGUUGGAGGAG		
hsa-miR-603	MIMAT0003271	CACACACUGCAAUUACUUUUGC		
hsa-miR-604	MIMAT0003272	AGGCUGCGGAAUUCAGGAC		
hsa-miR-605-5p	MIMAT0003273	UAAAUCCAUGGUGCCUUCUCCU		
hsa-miR-606	MIMAT0003274	AAACUACUGAAAUCAAGAU		
hsa-miR-607	MIMAT0003275	GUUCAAAUCCAGAUCUAUAAC		
hsa-miR-608	MIMAT0003276	AGGGGUGGUGUUGGGACAGCUCGU		
hsa-miR-610	MIMAT0003278	UGAGCUAAAUGUGUGCUGGGA		
hsa-miR-612	MIMAT0003280	GCUGGGCAGGGCUUCUGAGCUCCU		
hsa-miR-613	MIMAT0003281	AGGAAUGUCCUUCUUGCC		
hsa-miR-614	MIMAT0003282	GAACGCCUGUUCUUGCCAGGUGG		
hsa-miR-615-3p	MIMAT0003283	UCCGAGCCUGGGUCUCCUCUU		
hsa-miR-617	MIMAT0003286	AGACUCCCAUUUGAAGGUGGC		
hsa-miR-619-3p	MIMAT0003288	GACCUGGACAUGUUUGUGCCCAGU		
hsa-miR-620	MIMAT0003289	AUGGAGAUAGAUUAGAAAU		
hsa-miR-625-5p	MIMAT0003294	AGGGGGAAAGUUCUAUAGUCC		
hsa-miR-626	MIMAT0003295	AGCUGUCUGAAAUGUCUU		
hsa-miR-627-5p	MIMAT0003296	GUGAGUCUCUAAGAAAAGAGGA		

hsa-miR-628-3p	MIMAT0003297	UCUAGUAAGAGUGGCAGUCGA		
hsa-miR-630	MIMAT0003299	AGUAUUCUGUACCAGGGAAGGU		
hsa-miR-631	MIMAT0003300	AGACCUGGCCCAGACCUCAGC		
hsa-miR-33b-5p	MIMAT0003301	GUGCAUUGCUGUUGCAUUGC		
hsa-miR-637	MIMAT0003307	ACUGGGGGCUUUCGGGCUCUGCGU		
hsa-miR-638	MIMAT0003308	AGGGAUCGCGGGCGGGUGGCGGCCU		
hsa-miR-639	MIMAT0003309	AUCGCUGCGGUUGCGAGCGCUGU		
hsa-miR-640	MIMAT0003310	AUGAUCCAGGAACCUGCCUCU		
hsa-miR-641	MIMAT0003311	AAAGACAUAGGAUAGAGUCACCUC		
hsa-miR-642a-5p	MIMAT0003312	GUCCCUCUCCAAUUGUGUCUUG		
hsa-miR-643	MIMAT0003313	ACUUGUAUGCUAGCUCAGGUAG		
hsa-miR-644a	MIMAT0003314	AGUGUGGCUUUCUAGAGC		
hsa-miR-648	MIMAT0003318	AAGUGUGCAGGGCACUGGU		
hsa-miR-649	MIMAT0003319	AAACCUUGUGUUGUUAAGAGUC		
hsa-miR-650	MIMAT0003320	AGGAGGCAGCGCUCUCAGGAC		
hsa-miR-651-5p	MIMAT0003321	UUUAGGAUAAGCUUGACUUUUG		
hsa-miR-652-3p	MIMAT0003322	AAUGGCGCCACUAGGGUUGUG		
hsa-miR-548d-3p	MIMAT0003323	CAAAAACCACAGUUUCUUUUGC		
hsa-miR-661	MIMAT0003324	UGCCUGGGUCUCUGGCCUGCGCGU		
hsa-miR-663a	MIMAT0003326	AGGCGGGGCGCCGCGGGACCGC		
hsa-miR-449b-5p	MIMAT0003327	AGGAGUGUAUUGUAGCUGGC		
hsa-miR-411-5p	MIMAT0003329	UAGUAGACCGUAUAGCGUACG		
hsa-miR-654-5p	MIMAT0003330	UGGUGGGCCGCAGAACAUGUGC		
hsa-miR-655-3p	MIMAT0003331	AUAAUACAUGGUUAACCUUUU		
hsa-miR-656-3p	MIMAT0003332	AAUAAUUAACAGUCAACCUCU		
hsa-miR-549a	MIMAT0003333	UGACAACUAUGGAUGAGCUCU		
hsa-miR-660-5p	MIMAT0003338	UACCAUUGCAUAUCGGAGUUG		
hsa-miR-421	MIMAT0003339	AUCAACAGACAUAAUUGGGCGC		
hsa-miR-542-5p	MIMAT0003340	UCGGGGAUCAUCAUGUCACGAGA		
hsa-miR-363-5p	MIMAT0003385	CGGGUGGAUCACGAUGCAAUUU		
hsa-miR-542-3p	MIMAT0003389	UGUGACAGAUUGAUAAUCUGAAA		
hsa-miR-425-5p	MIMAT0003393	AAUGACACGAUCACUCCCGUUGA		
hsa-miR-758-3p	MIMAT0003879	UUUGUGACCUGGUCCACUAACC		
hsa-miR-671-5p	MIMAT0003880	AGGAAGCCCUGGAGGGGCUGGAG		
hsa-miR-767-5p	MIMAT0003882	UGCACCAUGGUUGUCUGAGCAUG		
hsa-miR-767-3p	MIMAT0003883	UCUGCUCAUACCCCAUGGUUUCU		
hsa-miR-454-3p	MIMAT0003885	UAGUGCAAUAUUGCUIUAAGGGU		
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	CAGUAACAAGAUUCAUCCUUGU		
hsa-miR-675-5p	MIMAT0004284	UGGUGCGGAGAGGGCCCACAGUG		
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	UGGAGACGCGGCCCUUGGAGU		
hsa-miR-181a-2-3p	MIMAT0004558	ACCACUGACCGUUGACUGUACC		

hsa-miR-196a-3p	MIMAT0004562	CGGCAACAAGAAACUGCCUGAG		
hsa-miR-199b-3p	MIMAT0004563	ACAGUAGUCUGCACAUJGGUUA		
hsa-miR-219a-1-3p	MIMAT0004567	AGAGUUGAGUCUGGACGUCCCG		
hsa-miR-221-5p	MIMAT0004568	ACCUGGCAUACAAUGUAGAUUU		
hsa-miR-140-3p	MIMAT0004597	UACCACAGGGUAGAACCACGG		
hsa-miR-125a-3p	MIMAT0004602	ACAGGUGAGGUUCUUGGGAGCC		
hsa-miR-127-5p	MIMAT0004604	CUGAAGCUCAGAGGGCUCUGAU		
hsa-miR-129-2-3p	MIMAT0004605	AAGCCCUUACCCCAAAAAGCAU		
hsa-miR-188-3p	MIMAT0004613	CUCCACAUGCAGGGUUUGCA		
hsa-miR-193a-5p	MIMAT0004614	UGGGUCUUUGCGGGCGAGAUGA		
hsa-miR-30c-1-3p	MIMAT0004674	CUGGGAGAGGGUUGUUUACUCC		
hsa-miR-219a-2-3p	MIMAT0004675	AGAAUUGUGGCUGGACAUCUGU		
hsa-miR-34b-3p	MIMAT0004676	CAAUCACUAACUCCACUGCCAU		
hsa-miR-34c-3p	MIMAT0004677	AAUCACUAACCACACGGCCAGG		
hsa-miR-296-3p	MIMAT0004679	GAGGGUUGGGUGGAGGCUCUCC		
hsa-miR-361-3p	MIMAT0004682	UCCCCAGGUGUGAUUCUGAUUU		
hsa-miR-362-3p	MIMAT0004683	AACACACCUAUUCAAGGAUUCA		
hsa-miR-371a-5p	MIMAT0004687	ACUCAAACUGUGGGGGCACU		
hsa-miR-374a-3p	MIMAT0004688	CUUAUCAGAUUGUAUUGUAAUU		
hsa-miR-340-5p	MIMAT0004692	UUUAUAAAGCAAUGAGACUGAUU		
hsa-miR-330-5p	MIMAT0004693	UCUCUGGGCCUGUGUCUUGGC		
hsa-miR-342-5p	MIMAT0004694	AGGGGUGCUAUCUGUGAUUGA		
hsa-miR-337-5p	MIMAT0004695	GAACGGCUUCAUACAGGAGUU		
hsa-miR-323a-5p	MIMAT0004696	AGGUGGUCCGUGGGCGJUUCGC		
hsa-miR-151a-5p	MIMAT0004697	UCGAGGAGCUCACAGUCUAGU		
hsa-miR-331-5p	MIMAT0004700	CUAGGUAUGGUCCCAGGGAUCC		
hsa-miR-338-5p	MIMAT0004701	AACAAUAUCCUGGUGCUGAGUG		
hsa-miR-339-3p	MIMAT0004702	UGAGCGCCUCGACGACAGAGCCG		
hsa-miR-423-5p	MIMAT0004748	UGAGGGGCAGAGAGCGAGACUUU		
hsa-miR-483-5p	MIMAT0004761	AAGACGGAGGAAAGAAGGGAG		
hsa-miR-486-3p	MIMAT0004762	CGGGGCAGCUCAGUACAGGAU		
hsa-miR-488-3p	MIMAT0004763	UUGAAAGGCUAUUUCUUGGUC		
hsa-miR-490-5p	MIMAT0004764	CCAUGGAUCUCCAGGUGGGU		
hsa-miR-491-3p	MIMAT0004765	CUUAUGCAAGAUUCCCUUCUAC		
hsa-miR-146b-3p	MIMAT0004766	UGCCUGUGGACUCAGUUCUGG		
hsa-miR-193b-5p	MIMAT0004767	CGGGGUUUUGAGGGCGAGAUGA		
hsa-miR-516a-5p	MIMAT0004770	UUCUCGAGGAAAGAAGCACUUUC		
hsa-miR-499a-3p	MIMAT0004772	AACAUACAGCAAGUCUGUGCU		
hsa-miR-500a-5p	MIMAT0004773	UAAUCCUUGCUACCUGGGUGAGA		
hsa-miR-501-3p	MIMAT0004774	AAUGCACCCGGGCAAGGAUUCU		
hsa-miR-502-3p	MIMAT0004775	AAUGCACCUUGGGCAAGGAUUCA		
hsa-miR-513a-3p	MIMAT0004777	UAAUUUCACCUUUCUGAGAAGG		
hsa-miR-508-5p	MIMAT0004778	UACUCCAGAGGGCGUCACUCAUG		
hsa-miR-509-5p	MIMAT0004779	UACUGCAGACAGUGGCAUCA		
hsa-miR-532-3p	MIMAT0004780	CCUCCACACCCAAGGCUUGCA		
hsa-miR-455-3p	MIMAT0004784	GCAGUCCAUGGGCAUAUACAC		
hsa-miR-556-3p	MIMAT0004793	AUAUUACCAUJAGCUCAUCUUU		
hsa-miR-574-5p	MIMAT0004795	UGAGUGUGUGUGUGAGUGUGU		
hsa-miR-576-3p	MIMAT0004796	AAGAUGUGGAAAAAUJGGAUC		
hsa-miR-582-3p	MIMAT0004797	UAACUGGUUGAACAACUGAACC		

hsa-miR-589-5p	MIMAT0004799	UGAGAACCACGUCUGCUCUGAG		
hsa-miR-550a-5p	MIMAT0004800	AGUGCCUGAGGGAGUAAGAGCCC		
hsa-miR-590-3p	MIMAT0004801	UAAUUUUUAUGUAUAAGCUAGU		
hsa-miR-593-3p	MIMAT0004802	UGUCUCUGCUGGGGUUUCU		
hsa-miR-548a-5p	MIMAT0004803	AAAAGUAAUUGCGAGUUUUACC		
hsa-miR-615-5p	MIMAT0004804	GGGGGUCCCCGGJGUCUCGGAUC		
hsa-miR-616-3p	MIMAT0004805	AGUCAUUGGAGGGUUUGAGCAG		
hsa-miR-548c-5p	MIMAT0004806	AAAAGUAAUUGCGGUUUUUGCC		
hsa-miR-624-3p	MIMAT0004807	CACAAGGUAAUUGGUUUUACCU		
hsa-miR-628-5p	MIMAT0004809	AUGCUGACAUAUUUACUAGAGG		
hsa-miR-629-5p	MIMAT0004810	UGGGUUUACGUUGGGAGAACU		
hsa-miR-548d-5p	MIMAT0004812	AAAAGUAAUUGUGGUUUUUGCC		
hsa-miR-411-3p	MIMAT0004813	UAUGUAACACGGUCCACUAACC		
hsa-miR-654-3p	MIMAT0004814	UAUGUCUGCUGACCAUCACCUU		
hsa-miR-671-3p	MIMAT0004819	UCCGGUUCUCAGGGCUCCACC		
hsa-miR-298	MIMAT0004901	AGCAGAAGCAGGGAGGUUCUCCCA		
hsa-miR-891a-5p	MIMAT0004902	UGCAACGAACCUGAGCCACUGA		
hsa-miR-300	MIMAT0004903	UAUACAAGGGCAGACUCUCUCU		
hsa-miR-892a	MIMAT0004907	CACUGUGUCCUUUCUGCGUAG		
hsa-miR-450b-5p	MIMAT0004909	UUUUGCAAUAUGUUCUGAAUA		
hsa-miR-450b-3p	MIMAT0004910	UUGGGAUCAUUUUGCAUCCAUA		
hsa-miR-874-3p	MIMAT0004911	CUGCCCUGGCCCCGAGGGACCGA		
hsa-miR-890	MIMAT0004912	UACUUGGAAAGGCAUCAGUUG		
hsa-miR-891b	MIMAT0004913	UGCAACUUACCUGAGUCAUUGA		
hsa-miR-888-5p	MIMAT0004916	UACUCAAAAAGCUGUCAGUCA		
hsa-miR-892b	MIMAT0004918	CACUGGCUCCUUUCUGGGUAGA		
hsa-miR-541-3p	MIMAT0004920	UGGUGGGCACAGAAUCUGGACU		
hsa-miR-889-3p	MIMAT0004921	UUAAUAUCGGACAACCAUUGU		
hsa-miR-875-3p	MIMAT0004923	CCUGGAAACACUGAGGUUGUG		
hsa-miR-876-5p	MIMAT0004924	UGGAUUUCUUUGUGAAUCACCA		
hsa-miR-876-3p	MIMAT0004925	UGGUGGUUUACAAAGUAAUUCA		
hsa-miR-708-5p	MIMAT0004926	AAGGAGCUUACAAUCUAGCUGGG		
hsa-miR-147b	MIMAT0004928	GUGUGCGGAAUUGCUUCUGCUA		
hsa-miR-190b	MIMAT0004929	UGAUAUGUUUGAUUUUGGGUU		
hsa-miR-744-5p	MIMAT0004945	UGCGGGGCUAGGGCUAACAGCA		
hsa-miR-885-5p	MIMAT0004947	UCCAUUACACUACCCUGCCUCU		
hsa-miR-885-3p	MIMAT0004948	AGGCAGCGGGGUGUAGUGGAUA		
hsa-miR-877-5p	MIMAT0004949	GUAGAGGAGAUGGCGCAGGG		
hsa-miR-887-3p	MIMAT0004951	GUGAACGGGCGCCAUCCCGAGG		
hsa-miR-665	MIMAT0004952	ACCAGGAGGCUGAGGCCCCU		
hsa-miR-873-5p	MIMAT0004953	GCAGGAACUUGUGAGUCUCCU		
hsa-miR-543	MIMAT0004954	AAACAUUCGCGGUGCACUUCUU		
hsa-miR-374b-5p	MIMAT0004955	AUAUAAUACAACCUGCUAAGUG		
hsa-miR-760	MIMAT0004957	CGGCUCUGGGUCUGUGGGGA		
hsa-miR-301b-3p	MIMAT0004958	CAGUGCAAUGAUUUUGUCAAGC		
hsa-miR-216b-5p	MIMAT0004959	AAAUUCUCUGCAGGCAAUUGUGA		
hsa-miR-208b-3p	MIMAT0004960	AUAAGACGAACAAAAGGUUUGU		
hsa-miR-922	MIMAT0004972	GCAGCAGAGAAUAGGACUACGUC		
hsa-miR-924	MIMAT0004974	AGAGUCUUGUGAUGUCUUGC		
hsa-miR-509-3-5p	MIMAT0004975	UACUGCAGACGUGGCAAUCAUG		

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	UGGGGAGCUGAGGCUCUGGGGGUG		
hsa-miR-940	MIMAT0004983	AAGGCAGGGCCCCCGCUCCCC		
hsa-miR-941	MIMAT0004984	CACCCGGCUGUGUGCACAUGUGC		
hsa-miR-942-5p	MIMAT0004985	UCUUCUCUGUUUUGGCCAUGUG		
hsa-miR-944	MIMAT0004987	AAAUUAUUGUACAUCGGAUGAG		
hsa-miR-523-5p	MIMAT0005449	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-518e-5p	MIMAT0005450	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-522-5p	MIMAT0005451	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-519a-5p	MIMAT0005452	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-519b-5p	MIMAT0005454	CUCUAGAGGGAAGCGCUUUCUG		
hsa-miR-520c-5p	MIMAT0005455	CUCUAGAGGGAAGCACUUCUG		
hsa-miR-518d-5p	MIMAT0005456	CUCUAGAGGGAAGCACUUCUG		
hsa-miR-518a-5p	MIMAT0005457	CUGCAAAGGGAAGCCCUUUC		
hsa-miR-1224-5p	MIMAT0005458	GUGAGGACUCGGGAGGUGG		
hsa-miR-1224-3p	MIMAT0005459	CCCCACCUCCUCUCUCCUCAG		
hsa-miR-1226-3p	MIMAT0005577	UCACCAGCCUGUGUCCCUAG		
hsa-miR-1228-3p	MIMAT0005583	UCACACCUGCCUCGCCCCCC		
hsa-miR-1233-3p	MIMAT0005588	UGAGCCUGUCCUCCCGCAG		
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	CAAGUCUUAUUUGAGCACCUGUU		
hsa-miR-320b	MIMAT0005792	AAAAGCUGGGUUGAGAGGGCAA		
hsa-miR-320c	MIMAT0005793	AAAAGCUGGGUUGAGAGGGU		
hsa-miR-1296-5p	MIMAT0005794	UUAGGGCCUGGCUCCAUCUCC		
hsa-miR-1323	MIMAT0005795	UCAAAACUGAGGGGCAUUUUCU		
hsa-miR-1271-5p	MIMAT0005796	CUJGGCACCUAGCAAGCACUCA		
hsa-miR-1301-3p	MIMAT0005797	UUGCAGCUGCCUGGGAGUGACUUC		
hsa-miR-1185-5p	MIMAT0005798	AGAGGAUACCCUUGUAUGUU		
hsa-miR-1283	MIMAT0005799	UCUACAAAGGAAAGCGCUUUCU		
hsa-miR-1298-5p	MIMAT0005800	UUCAUUCGGCUGUCCAGAUGUA		
hsa-miR-1178-3p	MIMAT0005823	UUGCUCACUGUUCUJCCCUAG		
hsa-miR-1180-3p	MIMAT0005825	UUJCCGGCUCGCGJGGGUGUGU		
hsa-miR-1183	MIMAT0005828	CACUGUAGGUGAUGGUGAGAGJGGCA		
hsa-miR-1200	MIMAT0005863	CUCUGAGCCAUUCUGAGCCUC		
hsa-miR-1202	MIMAT0005865	GJGCCAGCJGCAGJGGGGAG		
hsa-miR-1203	MIMAT0005866	CCCGGAGCCAGGAJGCAGCUC		
hsa-miR-1204	MIMAT0005868	UCGJGGCCJGGUCUCCAUUUAU		
hsa-miR-1205	MIMAT0005869	UCJGCAGGGUUJGCUUJGAG		
hsa-miR-1206	MIMAT0005870	UGUUAUGUAJGAUGUUUAAGC		
hsa-miR-548e-3p	MIMAT0005874	AAAAACJGAGACUACUUUJGCA		
hsa-miR-548j-5p	MIMAT0005875	AAAAGUAUUJCGGJCUUJGGU		
hsa-miR-1285-3p	MIMAT0005876	UCJGGCAACAAJGAGACCU		
hsa-miR-1286	MIMAT0005877	JGCAGGACCAAJAUGAGCCCU		

hsa-miR-1287-5p	MIMAT0005878	UGCUGGAUCAGUGGUUCGAGUC		
hsa-miR-1289	MIMAT0005879	UGGAGUCCAGGAAUCUGCAUUUU		
hsa-miR-1290	MIMAT0005880	UGGAUUUUUGGAUCAGGGA		
hsa-miR-1291	MIMAT0005881	UGGCCUGACUGAAGACCAGCAGU		
hsa-miR-548k	MIMAT0005882	AAAAGUACUUGCGGAUUUUGCU		
hsa-miR-1293	MIMAT0005883	UGGGUGGUCUGGAGAUUUGUC		
hsa-miR-1295a	MIMAT0005885	UUAGGCCGCAGAUCUGGGUGA		
hsa-miR-1297	MIMAT0005886	UUCAAGUAAUUCAGGUG		
hsa-miR-1299	MIMAT0005887	UUCUGGAAUUCUGUGUGAGGGA		
hsa-miR-548l	MIMAT0005889	AAAAGUAUUUGCGGGUUUUGUC		
hsa-miR-1302	MIMAT0005890	UUGGGACAUACUUAUGC UAAA		
hsa-miR-1303	MIMAT0005891	UUUAGAGACGGGGUCUUGCUCU		
hsa-miR-1304-5p	MIMAT0005892	UUUGAGGCUACAGUGAGAUGUG		
hsa-miR-1305	MIMAT0005893	UUUUCAACUCUAAUGGGAGAGA		
hsa-miR-1244	MIMAT0005896	AAGUAGUUGGUUUUGUAUGAGAUGGUU		
hsa-miR-1245a	MIMAT0005897	AAGUGAUCUAAAGGCCUACAU		
hsa-miR-1246	MIMAT0005898	AAUGGAUUUUUGGAGCAGG		
hsa-miR-1247-5p	MIMAT0005899	ACCCGUCCCGUUCGUCCCCGGA		
hsa-miR-1248	MIMAT0005900	ACCUUCUUGUAUAAGCACUGUGC UAAA		
hsa-miR-1249-3p	MIMAT0005901	ACGCCCUUCCCCCCUUCUUCA		
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	AGUUAGGAUUAGGUJCGUGGAA		
hsa-miR-1260a	MIMAT0005911	AUCCCACCUCUGCCACCA		
hsa-miR-548g-3p	MIMAT0005912	AAAACUGUAAUUACUUUUGUAC		
hsa-miR-1261	MIMAT0005913	AUGGAUAAGGCUUUGGCUU		
hsa-miR-1262	MIMAT0005914	AUGGGUGAAUUUGUAGAAGGAU		
hsa-miR-548n	MIMAT0005916	CAAAGUAUUUGUGGAUUUUGU		
hsa-miR-548m	MIMAT0005917	CAAAGUAUUUGUGGUUUUUG		
hsa-miR-548o-3p	MIMAT0005919	CCAAAACUGCAGUUACUUUUGC		
hsa-miR-1266-5p	MIMAT0005920	CCUCAGGGCUGUAGAACAGGGCU		
hsa-miR-1268a	MIMAT0005922	CGGGCGUGGUGGUGGGGG		
hsa-miR-1269a	MIMAT0005923	CUGGACUGAGCCGUGCUACUGG		
hsa-miR-1270	MIMAT0005924	CUGGAGAUUUGGAAGAGCUGUGU		
hsa-miR-1272	MIMAT0005925	GAUGAUGAUGGCAGCAAUUCUGAAA		
hsa-miR-548h-5p	MIMAT0005928	AAAAGUAAUCGCGGUUUUUGUC		
hsa-miR-1275	MIMAT0005929	GUGGGGGAGAGGCUGUC		
hsa-miR-1276	MIMAT0005930	UAAAGAGCCUGUGGAGACA		
hsa-miR-302e	MIMAT0005931	UAAGUGC UCCAUGCUU		
hsa-miR-302f	MIMAT0005932	UAAUUGC UCCAUGUUU		
hsa-miR-1277-3p	MIMAT0005933	UACGUAGAUUAUAUGUAUUUU		
hsa-miR-548i	MIMAT0005935	AAAAGUAUUUGCGGAUUUUGCC		
hsa-miR-1278	MIMAT0005936	UAGUACUGUGCAUAUCAUCUAU		
hsa-miR-1279	MIMAT0005937	UCAUAUUGC UUCUUCU		
hsa-miR-1281	MIMAT0005939	UCGCCUCCUCCUCUCCC		
hsa-miR-1288-3p	MIMAT0005942	UGGACUGCCCUGAUCUGGAGA		
hsa-miR-1252-5p	MIMAT0005944	AGAAGGAAAUUGAAUUCAUUUA		

hsa-miR-1255b-5p	MIMAT0005945	CGGAUGAGCAAAGAAAGUGGUU		
hsa-miR-664a-3p	MIMAT0005949	UAUUCAUUUAUCCCCAGCCUACA		
hsa-miR-1306-3p	MIMAT0005950	ACGUUGGCUCUGGUGGUG		
hsa-miR-1307-3p	MIMAT0005951	ACUCGGCGUGGGCUCGGUCGUG		
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	UGCUUCCUUUCAGAGGGU		
hsa-miR-1469	MIMAT0007347	CUCGGCGCGGGGCGCGGGCUCC		
hsa-miR-1537-3p	MIMAT0007399	AAAACCGUCUAGUUACAGUUGU		
hsa-miR-1908-5p	MIMAT0007881	CGGCGGGGACGGCGAUUGGUC		
hsa-miR-1909-3p	MIMAT0007883	CGCAGGGGCCGGUGCUCACCG		
hsa-miR-1910-5p	MIMAT0007884	CCAGUCCUGUGCCUGCCGCCU		
hsa-miR-1915-3p	MIMAT0007892	CCCAGGGCGACGCGGCGGG		
hsa-miR-2113	MIMAT0009206	AUUUGUGCUUGGCUCUGUCAC		
hsa-miR-1972	MIMAT0009447	UCAGGCCAGGCACAGUGGCUCA		
hsa-miR-1973	MIMAT0009448	ACCGUGCAAAGGUAGCAUA		
hsa-miR-1976	MIMAT0009451	CCUCCUGCCUCCUUGCUGU		
hsa-miR-2053	MIMAT0009978	GUGUUAAUUAACCUCUAUUUAC		
hsa-miR-2110	MIMAT0010133	UUGGGGAAACGGCCGUGAGUG		
hsa-miR-151b	MIMAT0010214	UCGAGGAGCUCACAGUCU		
hsa-miR-449c-5p	MIMAT0010251	UAGGCAGUGUAUUGCUAGCGGCUGU		
hsa-miR-761	MIMAT0010364	GCAGCAGGGUGAAACUGACACA		
hsa-miR-764	MIMAT0010367	GCAGGUGCUCACUUGUCCUCCU		
hsa-miR-2116-5p	MIMAT0011160	GGUUCUAGCAUAGGAGGUCU		
hsa-miR-2117	MIMAT0011162	UGUUCUCUUUGCCAAGGACAG		
hsa-miR-548q	MIMAT0011163	GCUGGUGCAAAGUAAUGGCGG		
hsa-miR-2278	MIMAT0011778	GAGAGCAGUGUGUGUUGCCUGG		
hsa-miR-2682-5p	MIMAT0013517	CAGGCAGUGACUGUUCAGACGUC		
hsa-miR-3127-5p	MIMAT0014990	AUCAGGGCUUGUGGAAUGGGAAG		
hsa-miR-3130-3p	MIMAT0014994	GCUGCACCGGAGACUGGGUAA		
hsa-miR-3131	MIMAT0014996	UCGAGGACUGGUGGAAGGGCCUU		
hsa-miR-378b	MIMAT0014999	ACUGGACUUGGAGGCAGAA		
hsa-miR-3136-5p	MIMAT0015003	CUGACUGAAUAGGUAGGGUCAUU		
hsa-miR-3140-3p	MIMAT0015008	AGCUUUUGGGAAUUCAGGUAGU		
hsa-miR-3144-5p	MIMAT0015014	AGGGGACCAAAGAGAUUAUAG		
hsa-miR-3144-3p	MIMAT0015015	AUAUACCUGUUCGGUCUCUUUA		
hsa-miR-1273c	MIMAT0015017	GGCGACAAAACGAGACCCUGUC		
hsa-miR-3147	MIMAT0015019	GGUUGGGCAGUGAGGAGGGUGUGA		
hsa-miR-548v	MIMAT0015020	AGCUACAGUUACUUUJGACCA		
hsa-miR-3151-5p	MIMAT0015024	GGUGGGGCAAUGGGAUCAGGU		
hsa-miR-3074-3p	MIMAT0015027	GAUAUCAGCUCAGUAGGCACCG		
hsa-miR-3158-3p	MIMAT0015032	AAGGGCUUCCUCUCUGCAGGAC		
hsa-miR-3161	MIMAT0015035	CUGAUAAGAACAGAGGCCAGAU		
hsa-miR-3164	MIMAT0015038	UGUGACUUUAAGGGAAAUGGCG		
hsa-miR-1260b	MIMAT0015041	AUCCCACCACUGCCACCAU		
hsa-miR-3168	MIMAT0015043	GAGUUCUACAGUCAGAC		
hsa-miR-1193	MIMAT0015049	GGGAUGGUAGACCGGUGACGUGC		
hsa-miR-323b-3p	MIMAT0015050	CCCAAUACACGGUCGACCUCUU		

hsa-miR-3179	MIMAT0015056	AGAAGGGGUGAAAUUUAAACGU		
hsa-miR-3180-5p	MIMAT0015057	CUUCCAGACGCUCGCCCCACGUCG		
hsa-miR-3180-3p	MIMAT0015058	UGGGGCGGAGCUUCCGGAGGCC		
hsa-miR-3182	MIMAT0015062	GCUUCUGUAGUGUAGUC		
hsa-miR-3185	MIMAT0015065	AGAAGAAGGCGGUCGGUCUGCGG		
hsa-miR-3065-5p	MIMAT0015066	UCAACAAAUCACUGAUGCUGGA		
hsa-miR-320e	MIMAT0015072	AAAGCUGGGUUGAGAAGG		
hsa-miR-3192-5p	MIMAT0015076	UCUGGGAGGUUGUAGCAGUGGAA		
hsa-miR-3195	MIMAT0015079	CGCGCCGGGCCCGGUU		
hsa-miR-3196	MIMAT0015080	CGGGGCGGCAGGGGCCUC		
hsa-miR-514b-5p	MIMAT0015087	UUCUCAAGAGGGAGGCAAUCAU		
hsa-miR-514b-3p	MIMAT0015088	AUUGACACCUCUGUGAGUGGA		
hsa-miR-3202	MIMAT0015089	UGGAAGGGAGAAGAGCUUUAAU		
hsa-miR-3065-3p	MIMAT0015378	UCAGCACCAGGAUAUUGUUGGAG		
hsa-miR-378c	MIMAT0016847	ACUGGACUUGGAGUCAGAAGAGUGG		
hsa-miR-4284	MIMAT0016915	GGGCUCACAUCACCCCAU		
hsa-miR-4286	MIMAT0016916	ACCCACUCCUGGUACC		
hsa-miR-3605-5p	MIMAT0017981	UGAGGAUGGAUAGCAAGGAAGCC		
hsa-miR-3605-3p	MIMAT0017982	CCUCCGUGUUACCUGUCCUCUAG		
hsa-miR-3613-5p	MIMAT0017990	UGUUGUACUUUUUUUUUUGUUC		
hsa-miR-3613-3p	MIMAT0017991	ACAAAAAAAAAAGCCCAACCCUUC		
hsa-miR-3614-5p	MIMAT0017992	CCACUUGGAUCUGAAGGCUGCCC		
hsa-miR-3614-3p	MIMAT0017993	UAGCCUUCAGAUCUUGGUGUUUU		
hsa-miR-3615	MIMAT0017994	UCUCUCGGCUCCUCGCGGCUC		
hsa-miR-23c	MIMAT0018000	AUCACAUUGCCAGUGAUUACCC		
hsa-miR-3690	MIMAT0018119	ACCUGGACCCAGCGUAGACAAAG		
hsa-miR-3180	MIMAT0018178	UGGGGCGGAGCUUCCGGAG		
hsa-miR-3916	MIMAT0018190	AAGAGGAAGAAAUGGCUGGUUCUCAG		
hsa-miR-3918	MIMAT0018192	ACAGGGCCGCAGAUGGAGACU		
hsa-miR-3150b-3p	MIMAT0018194	UGAGGAGAUUCGUCGAGGUUGG		
hsa-miR-3928-3p	MIMAT0018205	GGAGGAACCUUGGAGCUUCGGC		
hsa-miR-3934-5p	MIMAT0018349	UCAGGUGUGGAAACUGAGGCAG		
hsa-miR-548y	MIMAT0018354	AAAAGUAAUCACUGUUUUUGCC		
hsa-miR-374c-5p	MIMAT0018443	AUAAUACAACCUGCUAAGUGCU		
hsa-miR-548z	MIMAT0018446	CAAAAACCGCAAUUACUUUUGCA		
hsa-miR-548aa	MIMAT0018447	AAAACCACAAUACUUUUGCACCA		
hsa-miR-1268b	MIMAT0018925	CGGGCGUGGUGGUGGGGGUG		
hsa-miR-378d	MIMAT0018926	ACUGGACUUGGAGUCAGAAA		
hsa-miR-378e	MIMAT0018927	ACUGGACUUGGAGUCAGGA		
hsa-miR-378f	MIMAT0018932	ACUGGACUUGGAGCCAGAAG		
hsa-miR-4421	MIMAT0018934	ACCUGUCUGUGGAAAGGAGCUA		
hsa-miR-378g	MIMAT0018937	ACUGGGCUUGGAGUCAGAAG		
hsa-miR-4425	MIMAT0018940	UGUUGGGAUUCAGCAGGACCAU		
hsa-miR-548ad-3p	MIMAT0018946	GAAAACGACAAUGACUUUUGCA		
hsa-miR-4431	MIMAT0018947	GCGACUCUGAAAACUAGAAGGU		
hsa-miR-4435	MIMAT0018951	AUGGCCAGAGCUCACACAGAGG		
hsa-miR-4443	MIMAT0018961	UUGGAGGCGUGGGUUUU		
hsa-miR-4448	MIMAT0018967	GGCUCCUUGGUCUAGGGGUA		
hsa-miR-548ah-5p	MIMAT0018972	AAAAGUGAUUGCAGUGUUUG		
hsa-miR-4451	MIMAT0018973	UGGUAGAGCUGAGGACA		

hsa-miR-4454	MIMAT0018976	GGAUCCGAGUCACGGCACCA		
hsa-miR-4455	MIMAT0018977	AGGGUGUGUGUUUUU		
hsa-miR-4458	MIMAT0018980	AGAGGUAGGUGUGGAAGAA		
hsa-miR-4461	MIMAT0018983	GAUUGAGACUAGUAGGGCUAGGC		
hsa-miR-378h	MIMAT0018984	ACUGGACUJGGUGUCAGAUGG		
hsa-miR-548ai	MIMAT0018989	AAAGGUAAUJGCAGUUUUUCCC		
hsa-miR-548ak	MIMAT0019013	AAAAGUAAUCGCGGUUUUUGA		
hsa-miR-4485-3p	MIMAT0019019	UAACGGCCGCGGUACCCUAA		
hsa-miR-4488	MIMAT0019022	AGGGGGCGGGCUCCGGCG		
hsa-miR-548al	MIMAT0019024	AACGGCAAUGACUUUUGUACCA		
hsa-miR-4516	MIMAT0019053	GGGAGAAGGGUCGGGGC		
hsa-miR-4521	MIMAT0019058	GCUAAGGAAGUCCUGUGCUCAG		
hsa-miR-1269b	MIMAT0019059	CUGGACUGAGCCAUGCUCUGG		
hsa-miR-4524a-5p	MIMAT0019062	AUAGCAGCAUGAACCUGUCUCA		
hsa-miR-4531	MIMAT0019070	AUGGAGAAGGCUUCUGA		
hsa-miR-4532	MIMAT0019071	CCCCGGGGAGCCCGGCG		
hsa-miR-378i	MIMAT0019074	ACUGGACUAGGAGUCAGAAGG		
hsa-miR-4536-5p	MIMAT0019078	UGUGGUAGAUUAUUGCACGAU		
hsa-miR-3140-5p	MIMAT0019204	ACCUGAAUUACCAAAGCUUU		
hsa-miR-4647	MIMAT0019709	GAAGAUGGUGCUGUGCUGAGGAA		
hsa-miR-219b-3p	MIMAT0019748	AGAAUUGCGUUUGGACAAUCAGU		
hsa-miR-4707-5p	MIMAT0019807	GCCCCGGCGCGGGCGGGUUCUGG		
hsa-miR-4707-3p	MIMAT0019808	AGCCCGCCCCAGCCGAGGUUCU		
hsa-miR-4741	MIMAT0019871	CGGGCUGUCCGGAGGGGUCGGCU		
hsa-miR-371b-5p	MIMAT0019892	ACUCAAAGAUGGCGGCACUUU		
hsa-miR-4755-5p	MIMAT0019895	UUUCCCUUCAGAGCCUGGCUUU		
hsa-miR-499b-5p	MIMAT0019897	ACAGACUUGCUGUGAUGUUCA		
hsa-miR-499b-3p	MIMAT0019898	AACAUCACUGCAAGUCUUAACA		
hsa-miR-1245b-5p	MIMAT0019950	UAGGCCUUUAGAUCACUUAUA		
hsa-miR-1245b-3p	MIMAT0019951	UCAGAUGAUCUAAAGGCCUAUA		
hsa-miR-4787-5p	MIMAT0019956	GCGGGGGUGGCGGCGGCAUCCC		
hsa-miR-4787-3p	MIMAT0019957	GAUGC GCCGCCACUGCCCCGCGC		
hsa-miR-4792	MIMAT0019964	CGGUGAGCGCUCGUGGC		
hsa-miR-642a-3p	MIMAT0020924	AGACACAUUUGGAGAGGGAACC		
hsa-miR-548ah-3p	MIMAT0020957	CAAAAACUGCAGUUACUUUUGC		
hsa-miR-4536-3p	MIMAT0020959	UCGUGCAUUAUCUACCACAU		
hsa-miR-5001-5p	MIMAT0021021	AGGGCUGGACUCAGCGGCGGAGCU		
hsa-miR-5001-3p	MIMAT0021022	UUCUGCCUCUGUCCAGGUCCUU		
hsa-miR-5010-5p	MIMAT0021043	AGGGGGAUGGCAGAGCAAAUU		
hsa-miR-5010-3p	MIMAT0021044	UUUUGUGUCUCCAUUCCCCAG		
hsa-miR-5196-5p	MIMAT0021128	AGGGAAGGGGACGAGGGUUGGG		
hsa-miR-5196-3p	MIMAT0021129	UCAUCCUCGUCUCCUCCCAG		
hsa-miR-548ar-5p	MIMAT0022265	AAAAGUAAUJGCAGUUUUUGC		
hsa-miR-548ar-3p	MIMAT0022266	UAAAACUGCAGUUUUUUUGC		
hsa-miR-664b-5p	MIMAT0022271	UGGGCUAAGGGAGAUGAUUGGGUA		
hsa-miR-664b-3p	MIMAT0022272	UUCAUUUGCCUCCAGCCUACA		
hsa-miR-548av-3p	MIMAT0022304	AAAACUGCAGUUACUUUUGC		
hsa-miR-197-5p	MIMAT0022691	CGGGUAGAGAGGGCAGUGGGAGG		
hsa-miR-211-3p	MIMAT0022694	GCAGGGACAGCAAAGGGGUGC		
hsa-miR-301a-5p	MIMAT0022696	GCUCUGACUUUAUUGCACUACU		

hsa-miR-382-3p	MIMAT0022697	AAUCAUUCACGGACAACACUU		
hsa-miR-345-3p	MIMAT0022698	GCCUGAACGAGGGGUCUGGAG		
hsa-miR-450a-1-3p	MIMAT0022700	AUJGGGAACAUUUUGCAUGUAU		
hsa-miR-506-5p	MIMAT0022701	UAUUCAGGAAGGUGUUACUUA		
hsa-miR-514a-5p	MIMAT0022702	UACUCUGGAGAGUGACAAUCAUG		
hsa-miR-539-3p	MIMAT0022705	AUCAUACAAGGACA AUUUCUUU		
hsa-miR-561-5p	MIMAT0022706	AUCAAGGAUCUUA AACUJUGCC		
hsa-miR-570-5p	MIMAT0022707	AAAGGUAAUJGCAGUUUUUCCC		
hsa-miR-584-3p	MIMAT0022708	UCAGUUCCAGGCCAACAGGCU		
hsa-miR-652-5p	MIMAT0022709	CAACCCUAGGAGAGGGUGCCA UUCA		
hsa-miR-660-3p	MIMAT0022711	ACCUCCUGUGUGCAUGGAUUA		
hsa-miR-1271-3p	MIMAT0022712	AGUGCCUGCUAUGUGCCAGGCA		
hsa-miR-1185-2-3p	MIMAT0022713	AUAUACAGGGGGAGACUCUCAU		
hsa-miR-766-5p	MIMAT0022714	AGGAGGAAUUGGUGCUGGUCUU		
hsa-miR-873-3p	MIMAT0022717	GGAGACUGAUGAGJUCCCGGGA		
hsa-miR-1285-5p	MIMAT0022719	GAUCUCACUJUGUJGCCAGG		
hsa-miR-1304-3p	MIMAT0022720	UCUCACUGUAGCCUCGAACCCC		
hsa-miR-548h-3p	MIMAT0022723	CAAAAACCGCAAUACUJUUGCA		
hsa-miR-1306-5p	MIMAT0022726	CCACCUCCCCUGCAAACGUCCA		
hsa-miR-1307-5p	MIMAT0022727	UCGACCGGACCUCGACCGGCU		
hsa-miR-513c-3p	MIMAT0022728	UAAAUUUCACCUUUCUGAGAAGA		
hsa-miR-548t-3p	MIMAT0022730	AAAACCACAAUACUJUJGCACCA		
hsa-miR-548o-5p	MIMAT0022738	AAAAGUAAUJCGGUUUUUGCC		
hsa-miR-548am-5p	MIMAT0022740	AAAAGUAAUJCGGUUUUUGCC		
hsa-miR-365b-5p	MIMAT0022833	AGGGACUJUCAGGGGCAGCUGU		
hsa-miR-365b-3p	MIMAT0022834	UAAUGCCCCUAAAAUCCUUAU		
hsa-miR-1185-1-3p	MIMAT0022838	AUAUACAGGGGGAGACUCUUAU		
hsa-miR-3190-3p	MIMAT0022839	UGUGGAAGGUAGACGGCCAGAGA		
hsa-miR-98-3p	MIMAT0022842	CUAUACAACUACUACUJUCCC		
hsa-miR-376c-5p	MIMAT0022861	GGUGGAUJUUCUUCUAUGJU		
hsa-miR-381-5p	MIMAT0022862	AGCGAGGUJGCCUJUUGUAUAU		
hsa-miR-495-5p	MIMAT0022924	GAAGUJGCCCAUGUUAUUUUCG		
hsa-miR-503-3p	MIMAT0022925	GGGUUAUJGUJUCCGCUGCCAGG		
hsa-miR-376a-2-5p	MIMAT0022928	GGUAGAUJUUCUUCUAUGGU		
hsa-miR-758-5p	MIMAT0022929	GAUGGUJGACCAGAGAGCACAC		
hsa-miR-6503-5p	MIMAT0025462	AGGUCUGCAUUCAAAUCCCCAGA		
hsa-miR-6503-3p	MIMAT0025463	GGGACUAGGAUGCAGACCUCC		
hsa-miR-6511a-5p	MIMAT0025478	CAGGCAGAAGUGGGGCUGACAGG		
hsa-miR-6511a-3p	MIMAT0025479	CCUCACCAUCCUUCUGCCUGC		
hsa-miR-6720-3p	MIMAT0025851	CGCGCCUGCAGGAACUGGUAGA		
hsa-miR-6721-5p	MIMAT0025852	UGGGCAGGGGCUUAUUGUAGGAG		
hsa-miR-6724-5p	MIMAT0025856	CUGGGCCCGCGGCGGGCGUGGGG		
hsa-miR-210-5p	MIMAT0026475	AGCCCCUGCCCACCGCACACUG		
hsa-miR-128-1-5p	MIMAT0026477	CGGGGCCGUAGCACUGUCUGAGA		
hsa-miR-133a-5p	MIMAT0026478	AGCUGGUAAAAUGGAACCAAU		
hsa-miR-152-5p	MIMAT0026479	AGGUUCUGUGAUACACUCCGACU		
hsa-miR-134-3p	MIMAT0026481	CCUGUGGGCCACCUAGUCACCAA		
hsa-miR-190a-3p	MIMAT0026482	CUAUUAUAUCAACAUAJUCCU		
hsa-miR-370-5p	MIMAT0026483	CAGGUCACGUCUCUGCAGUJAC		
hsa-miR-328-5p	MIMAT0026486	GGGGGGCAGGAGGGGCUCAGGG		

hsa-miR-433-5p	MIMAT0026554	UACGGUGAGCCUGUCAUUUUC		
hsa-miR-329-5p	MIMAT0026555	GAGGUUUUCUGGGUUUCUGUUUC		
hsa-miR-494-5p	MIMAT0026607	AGGUUGUCCGUGUUGUCUUCUCU		
hsa-miR-181d-3p	MIMAT0026608	CCACCGGGGAUGAAUGUCAC		
hsa-miR-504-3p	MIMAT0026612	GGGAGUGCAGGGCAGGGUUUC		
hsa-miR-510-3p	MIMAT0026613	AUUGAAACCUCUAAGAGUGGA		
hsa-miR-487b-5p	MIMAT0026614	GUGGUUAUCCUGUCCUGUUCG		
hsa-miR-579-5p	MIMAT0026616	UCGCGGUUUGUGCCAGAUGACG		
hsa-miR-627-3p	MIMAT0026623	UCUUUUCUUUGAGACUCACU		
hsa-miR-651-3p	MIMAT0026624	AAAGGAAAGUGUAUCCUAAAAG		
hsa-miR-1296-3p	MIMAT0026637	GAGUGGGGCUUCGACCCUAACC		
hsa-miR-874-5p	MIMAT0026718	CGGCCCCACGCACCAGGGUAAGA		
hsa-miR-887-5p	MIMAT0026720	CUUGGGAGCCUGUUAGACUC		
hsa-miR-208b-5p	MIMAT0026722	AAGCUUUUUGCUCGAAUUAUGU		
hsa-miR-942-3p	MIMAT0026734	CACAUGGCCGAAACAGAGAAGU		
hsa-miR-548e-5p	MIMAT0026736	CAAAGCAAUCGCGGUUUUUGC		
hsa-miR-548j-3p	MIMAT0026737	CAAAAACUGCAUUACUUUUGC		
hsa-miR-1287-3p	MIMAT0026738	CUCUAGCCACAGAUGCAGUGAU		
hsa-miR-1908-3p	MIMAT0026916	CCGGCCGCCGGCUCGCCCCG		
hsa-miR-1910-3p	MIMAT0026917	GAGGCAGAAGCAGGAUGACA		
hsa-miR-6728-5p	MIMAT0027357	UUGGGAUUGGUAGGACCAGAGGGG		
hsa-miR-6732-3p	MIMAT0027366	UAACCCUGUCCUCUCCUCCAG		
hsa-miR-450a-2-3p	MIMAT0031074	AUUGGGGACAUUUUGCAUUCAU		
hsa-miR-128-2-5p	MIMAT0031095	GGGGGCCGAUACACUGUACGAGA		
hsa-miR-7975	MIMAT0031178	AUCCUAGUCACGGCACCA		
hsa-miR-203a-5p	MIMAT0031890	AGUGGUUCUUAACAGUUAACAGUU		
hsa-miR-1-5p	MIMAT0031892	ACAUACUUCUUUAUAUGCCCAU		
hsa-miR-181b-2-3p	MIMAT0031893	CUCACUGAUCAAUGAAUGCA		
hsa-miR-301b-5p	MIMAT0032026	GCUCUGACGAGGUUGCACUACU		
hsa-miR-1249-5p	MIMAT0032029	AGGAGGGAGGGAUGGGCCAAGUU		
ACTB	NM_001101.2	TGCAGAAGGAGATCACTGCCCTGGCACCCAGCACAATGAAGATCAA		
B2M	NM_004048.2	CGGGCATTCTGAAGCTGACAGCATTGCGGGCCGAGATGTCTCGCT		
GAPDH	NM_002046.3	TCCTCCTGTTTCGACAGTCAGCCGCATCTTCTTTTTCGTGCGCCAGCC		
RPL19	NM_000981.3	CCAATGCCCCGAATGCCAGAGAAGGTCACATGGATGAGGAGAATGAC		
RPLP0	NM_001002.3	CGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAGAT		