

Gene Symbol	Accession Number	Target Sequence
rno-let-7a	MIMAT0000774	UGAGGUAGUAGGUUGUAUAGUU
rno-let-7b	MIMAT0000775	UGAGGUAGUAGGUUGUGUGGUU
rno-let-7c	MIMAT0000776	UGAGGUAGUAGGUUGUAUGGUU
rno-let-7d	MIMAT0000562	AGAGGUAGUAGGUUGCAUAGUU
rno-let-7e	MIMAT0000777	UGAGGUAGGAGGUUGUAUAGUU
rno-let-7f	MIMAT0000778	UGAGGUAGUAGAUUGUAUAGUU
rno-let-7i	MIMAT0000779	UGAGGUAGUAGUUUGUGCUGUU
rno-miR-1	MIMAT0003125	UGGAAUGUAAAGAAGUGUGUAU
rno-miR-7a	MIMAT0000606	UGGAAGACUAGUGAUUUUGUUGU
rno-miR-7b	MIMAT0000780	UGGAAGACUUGUGAUUUUGUUGU
rno-miR-9	MIMAT0000781	UCUUUGGUUAUCUAGCUGUAUGA
rno-miR-10a-3p	MIMAT0004709	CAAAUUCGUAUCUAGGGGAAUA
rno-miR-10a-5p	MIMAT0000782	UACCCUGUAGAUCCGAAUUUGUG
rno-miR-10b	MIMAT0000783	CCCUGUAGAACCGAAUUUGUGU
rno-miR-15b	MIMAT0000784	UAGCAGCACAUCAUGGUUUACA
rno-miR-16	MIMAT0000785	UAGCAGCACGUAAAUUUGGCG
rno-miR-17-1-3p	MIMAT0004710	ACUGCAGUGAAGGCACUUGUGG
rno-miR-17-2-3p	MIMAT0017295	ACUGCACUGCAAGCACUUCUAC
rno-miR-17-5p	MIMAT0000786	CAAAGUGCUIACAGUGCAGGUAG
rno-miR-18a	MIMAT0000787	UAAGGUGCAUCUAGUGCAGAUAG
rno-miR-19a	MIMAT0000789	UGUGCAAUCUAUGCAAACUGA
rno-miR-19b	MIMAT0000788	UGUGCAAUCCAUGCAAACUGA
rno-miR-20a *1	MIMAT0000602	UAAAGUGCUIAUAGUGCAGGUAG
rno-miR-20b-3p	MIMAT0003212	ACUGCAGUGUGAGCACUUCUGG
rno-miR-20b-5p *1	MIMAT0003211	CAAAGUGCUIAUAGUGCAGGUAG
rno-miR-21	MIMAT0000790	UAGCUUAUCAGACUGAUGUUGA
rno-miR-22	MIMAT0000791	AAGCUGCCAGUUGAAGAACUGU
rno-miR-23a	MIMAT0000792	AUCACAUUGCCAGGGAUUUC
rno-miR-23b	MIMAT0000793	AUCACAUUGCCAGGGAUUACC
rno-miR-24	MIMAT0000794	UGGUCAGUUCAGCAGGAACAG
rno-miR-25	MIMAT0000795	CAUUGCACUUGUCUCGGUCUGA
rno-miR-26a	MIMAT0000796	UUCAAGUAAUCCAGGAUAGGCU
rno-miR-26b	MIMAT0000797	UUCAAGUAAUUCAGGAUAGGU
rno-miR-27a	MIMAT0000799	UUCACAGUGGCUAAGUUCGCG
rno-miR-27b	MIMAT0000798	UUCACAGUGGCUAAGUUCUGC
rno-miR-28	MIMAT0000800	AAGGAGCUCACAGUCUAUUGAG
rno-miR-29a	MIMAT0000802	UAGCACCAUCUGAAAUCCGGUUA
rno-miR-29b	MIMAT0000801	UAGCACCAUUUGAAAUCCAGUUGU
rno-miR-29c	MIMAT0000803	UAGCACCAUUUGAAAUCCGGUUA
rno-miR-30b-3p	MIMAT0004721	CUGGGAUGUGGAUGUUUACGUC
rno-miR-30b-5p	MIMAT0000806	UGUAAACAUCUACACUCAGCU
rno-miR-30a	MIMAT0000808	UGUAAACAUCUCCGACUGGAAG
rno-miR-30c	MIMAT0000804	UGUAAACAUCUACACUCUCAGC
rno-miR-30d	MIMAT0000807	UGUAAACAUCUCCCGACUGGAAG
rno-miR-30e	MIMAT0000805	UGUAAACAUCUUGACUGGAAG
rno-miR-31	MIMAT0000810	AGGCAAGAUGCUGGCAUAGCUG
rno-miR-32	MIMAT0000811	UAUUGCACAUUACUAAGUUGCA
rno-miR-33	MIMAT0000812	GUGCAUUGUAGUUGCAUUGCA

rno-miR-34a	MIMAT0000815	UGGCAGUGUCUUAGCUGGUUGU	
rno-miR-34b	MIMAT0000813	AGGCAGUGUAAUUAGCUGAUUGU	
rno-miR-34c	MIMAT0000814	AGGCAGUGUAGUUAGCUGAUUGC	
rno-miR-92a	MIMAT0000816	UAUUGCACUUGUCCCGGCCUG	
rno-miR-92b	MIMAT0005340	UAUUGCACUCGUCCCGGCCUCC	
rno-miR-93	MIMAT0000817	CAAAGUGCUGUUCGUGCAGGUAG	
rno-miR-96	MIMAT0000818	UUUGGCACUAGCACAUUUUUGCU	
rno-miR-98	MIMAT0000819	UGAGGUAGUAAGUUGUAUUGUU	
rno-miR-99a	MIMAT0000820	AACCCGUAGAUCCGAUCUUGUG	
rno-miR-99b	MIMAT0000821	CACCCGUAGAACCGACCUUGCG	
rno-miR-100	MIMAT0000822	AACCCGUAGAUCCGAACUUGUG	
rno-miR-101a	MIMAT0000823	UACAGUACUGUGUAACUGAA	
rno-miR-101b	MIMAT0000615	UACAGUACUGUGAUAGCUGAA	
rno-miR-103	MIMAT0000824	AGCAGCAUUGUACAGGGCUAUGA	
rno-miR-105	MIMAT0012825	CAAGUGCUCAGAUGUCUGUGGU	
rno-miR-106b	MIMAT0000825	UAAAGUGCUGACAGUGCAGAU	
rno-miR-107	MIMAT0000826	AGCAGCAUUGUACAGGGCUAUCA	
rno-miR-122	MIMAT0000827	UGGAGUGUGACAAUGGUGUUUG	
rno-miR-124	MIMAT0000828	UAAGGCACGCGGUGAAUGCC	
rno-miR-125a-3p	MIMAT0004729	ACAGGUGAGGUUCUUGGGAGCC	
rno-miR-125a-5p	MIMAT0000829	UCCCUGAGACCCUUUAACCUUGUGA	
rno-miR-125b-3p	MIMAT0004730	ACGGGUUAGGCUCUUGGGAGCU	
rno-miR-125b-5p	MIMAT0000830	UCCCUGAGACCCUAACUUGUGA	
rno-miR-126	MIMAT0000832	UCGUACCGUGAGUAAUUAUGCG	
rno-miR-127	MIMAT0000833	UCGGAUCCGUCUGAGCUUGGCU	
rno-miR-128	MIMAT0000834	UCACAGUGAACCGGUCUCUUU	
rno-miR-129	MIMAT0000600	CUUUUUGCGGUCUGGGCUUGC	
rno-miR-130a	MIMAT0000836	CAGUGCAAUGUUAAAAGGGCAU	
rno-miR-130b	MIMAT0000837	CAGUGCAAUGAUGAAAGGGCAU	
rno-miR-132	MIMAT0000838	UACAGUCUACAGCCAUGGUCG	
rno-miR-133a	MIMAT0000839	UUUGGUCCCCUUAACCAGCUG	
rno-miR-133b	MIMAT0003126	UUUGGUCCCCUUAACCAGCUA	
rno-miR-134	MIMAT0000840	UGUGACUGGUUGACCAGAGGGG	
rno-miR-135a	MIMAT0000841	UAUGGCUUUUUAUCCUAUGUGA	
rno-miR-135b	MIMAT0000611	UAUGGCUUUUCAUCCUAUGUGA	
rno-miR-136	MIMAT0000842	ACUCCAUUUGUUUUGAUGAUGGA	
rno-miR-137	MIMAT0000843	UUAUUGCUIAAGAAUACGCGUAG	
rno-miR-138	MIMAT0000844	AGCUGGUGUUGUGAAUCAGGCCG	
rno-miR-139-3p	MIMAT0004735	UGGAGACGCGGCCCUUGGAG	
rno-miR-139-5p	MIMAT0000845	UCUACAGUGCACGUGUCUCCAG	
rno-miR-140	MIMAT0000573	CAGUGGUUUUACCCUAUGGUAG	
rno-miR-141	MIMAT0000846	UACACUGUCUGGUAAAGAUGG	
rno-miR-142-3p	MIMAT0000848	UGUAGUGUUCCUACUUUAUGGA	
rno-miR-142-5p	MIMAT0000847	CAUAAAGUAGAAAGCACUACU	
rno-miR-143	MIMAT0000849	UGAGAUGAAGCACUGUAGCUCA	
rno-miR-144	MIMAT0000850	UACAGUAUAGAUGAUGUACU	
rno-miR-145	MIMAT0000851	GUCCAGUUUCCCAGGAAUCCCU	
rno-miR-146a	MIMAT0000852	UGAGAACUGAAUCCAUGGGUU	
rno-miR-146b	MIMAT0005595	UGAGAACUGAAUCCAUGGCUGU	
rno-miR-147	MIMAT0005297	GUGUGCGGAAUAGCUUCUGCUA	

rno-miR-148b-3p	MIMAT0000579	UCAGUGCAUCACAGAACUUUGU	
rno-miR-148b-5p	MIMAT0004645	GAAGUUCUGUUUACACUCAGG	
rno-miR-150	MIMAT0000853	UCUCCAACCCUUGUACCAGUG	
rno-miR-151	MIMAT0000613	UCGAGGAGCUCACAGUCUAGU	
rno-miR-152	MIMAT0000854	UCAGUGCAUGACAGAACUUGG	
rno-miR-153	MIMAT0000855	UUGCAUAGUCACAAAAGUGAUC	
rno-miR-154	MIMAT0000856	UAGGUUAUCCGUGUUGCCUUCG	
rno-miR-181a	MIMAT0000858	AACAUUCAACGCUGUCGGUGAGU	
rno-miR-181b *2	MIMAT0000859	AACAUUCAUUGCUGUCGGUGGGU	
rno-miR-181c	MIMAT0000857	AACAUUCAACCGUCGGUGAGU	
rno-miR-181d *2	MIMAT0005299	AACAUUCAUUGUUGUCGGUGGGU	
rno-miR-182	MIMAT0005300	UUUGGCAAUGGUAGAACUCACACCG	
rno-miR-183	MIMAT0000860	UAUGGCACUGGUAGAAUUCACU	
rno-miR-184	MIMAT0000861	UGGACGGAGAACUGAUAAAGGGU	
rno-miR-185	MIMAT0000862	UGGAGAGAAAGGCAGUUCUGA	
rno-miR-186	MIMAT0000863	CAAAGAAUUCUCCUUUUGGGCU	
rno-miR-187	MIMAT0000864	UCGUGUCUUGUGUUGCAGCCGG	
rno-miR-188	MIMAT0005301	CAUCCCUUGCAUGGUGGAGGG	
rno-miR-190	MIMAT0000865	UGAUUUGUUUGAUUUAUUAGGU	
rno-miR-190b	MIMAT0005302	UGAUUUGUUUGAUUUAUUAGGU	
rno-miR-191	MIMAT0000866	CAACGGAAUCCCAAAGCAGCUG	
rno-miR-192	MIMAT0000867	CUGACCUAUGAAUUGACAGCC	
rno-miR-193	MIMAT0000868	AACUGGCCUACAAAGUCCAGU	
rno-miR-194	MIMAT0000869	UGUAACAGCAACUCCAUGUGGA	
rno-miR-195	MIMAT0000870	UAGCAGCACAGAAUUAUUGGC	
rno-miR-196a	MIMAT0000871	UAGGUAGUUUCAUGUUGUUGGG	
rno-miR-196b	MIMAT0001082	UAGGUAGUUUCCUGUUGUUGGG	
rno-miR-196c	MIMAT0005303	UAGGUAGUUUCGUGUUGUUGGG	
rno-miR-199a-3p	MIMAT0004738	ACAGUAGUCUGCACAUUGGUUA	
rno-miR-199a-5p	MIMAT0000872	CCCAGUGUUCAGACUACCGUUC	
rno-miR-200a	MIMAT0000874	U AACACUGUCUGGUAACGAUGU	
rno-miR-200b	MIMAT0000875	UAAUACUGCCUGGUA AUGAUGAC	
rno-miR-200c	MIMAT0000873	UAAUACUGCCGGUA AUGAUG	
rno-miR-201	MIMAT0012846	CACUCAGUAAGGCAUUGUUC	
rno-miR-202	MIMAT0012822	U UCCUAUGCAUUAUCUUCU	
rno-miR-203	MIMAT0000876	GUGAAAUGUUUAGGACCACUAG	
rno-miR-204	MIMAT0000877	U UCCCUUUGUCAUCCUAUGCCU	
rno-miR-205	MIMAT0000878	UCCUUCAUUCACCGGAGUCUGU	
rno-miR-206	MIMAT0000879	UGGAAUGUAAGGAAGUGUGUGG	
rno-miR-207	MIMAT0003115	CUUCUCCUGGCUCUCCUCCUUU	
rno-miR-208b-3p	MIMAT0017845	AUAAGACGAACAAAAGGU	
rno-miR-208	MIMAT0000880	AUAAGACGAGCAAAAAGC	
rno-miR-210	MIMAT0000881	CUGUGCGUGUGACAGCGGCUGA	
rno-miR-211	MIMAT0000882	U UCCCUUUGUCAUCCUUGCCU	
rno-miR-212	MIMAT0000883	U AACAGUCUCCAGUCACGGCCA	
rno-miR-214	MIMAT0000885	ACAGCAGGCACAGACAGGCAG	
rno-miR-215	MIMAT0003118	AUGACCUAUGAUUUGACAGACA	
rno-miR-216b-3p	MIMAT0017847	CACACUUACUUGUAGAGAUU	
rno-miR-216b-5p	MIMAT0017846	AAAUCUCUGCAGGCAAUGUGA	

rno-miR-216a	MIMAT0000886	UAAUCUCAGCUGGCAACUGUGA	
rno-miR-217	MIMAT0000887	UACUGCAUCAGGAACUGACUGG	
rno-miR-218	MIMAT0000888	UUGUGCUUGAUCUAACCAUGU	
rno-miR-219-1-3p	MIMAT0004741	AGAGUUGCGUCUGGACGUCCCG	
rno-miR-219-2-3p	MIMAT0005446	AGAAUUGUGGCUGGACAUCUGU	
rno-miR-219-5p	MIMAT0000889	UGAUUGUCCAAACGCAAUUCU	
rno-miR-221	MIMAT0000890	AGCUACAUCUGUCUGGGUJUC	
rno-miR-222	MIMAT0000891	AGCUACAUCUGGCUACUGGGU	
rno-miR-223	MIMAT0000892	UGUCAGUUUGUCAAAUACCCC	
rno-miR-224	MIMAT0003119	CAAGUCACUAGUGGUUCCGUUU	
rno-miR-290	MIMAT0000893	UCUCAACUAUGGGGGCA	
rno-miR-291a-3p	MIMAT0000895	AAAGUGCUUCCACUUUGUGUGCC	
rno-miR-291a-5p	MIMAT0000894	CAUCAAGUGGAGGCCUCUCU	
rno-miR-291b	MIMAT0017822	AAAGUGCAUCCAUUUUGUAGU	
rno-miR-292-3p	MIMAT0000897	AAGUGCCGCCAGGUUUUGAGUGU	
rno-miR-292-5p	MIMAT0000896	ACUCAACUGGGGGCUCUUUUG	
rno-miR-293	MIMAT0012847	ACUCAACUGUGUGACACUUU	
rno-miR-294	MIMAT0012848	CUCAAAAUGGAGGCCCUAUCU	
rno-miR-295	MIMAT0012849	ACUCAAAUGUGGGGCACACUUCU	
rno-miR-296	MIMAT0004742	GAGGGUUGGGUGGAGGCUCUCC	
rno-miR-297	MIMAT0000899	AUGUAUGUGUGCAUGUAUGCAUG	
rno-miR-298	MIMAT0000900	GGCAGAGGAGGGCUGUUCUCC	
rno-miR-299	MIMAT0000901	UGGUUUACCGUCCCACAUACAU	
rno-miR-300-3p	MIMAT0000902	UAUGCAAGGGCAAGCUCUCUUC	
rno-miR-300-5p	MIMAT0004743	UUGAAGAGAGGUUAUCCUUUGU	
rno-miR-301a	MIMAT0000552	CAGUGCAAUAGUAUUGUCAAAGC	
rno-miR-301b	MIMAT0005304	CAGUGCAAUGGUUAUUGUCAAAGC	
rno-miR-320	MIMAT0000903	AAAAGCUGGGUUGAGAGGGCGA	
rno-miR-322	MIMAT0001619	CAGCAGCAAUUC AUGUUUUGGA	
rno-miR-323	MIMAT0000550	CACAUUACACGGUCGACCUCU	
rno-miR-324-3p	MIMAT0000554	CCACUGCCCCAGGUGCUGCUGG	
rno-miR-324-5p	MIMAT0000553	CGCAUCCCCUAGGGCAUUGGUGU	
rno-miR-325-3p	MIMAT0004639	UUUAUUGAGCACCUCUAUCAA	
rno-miR-325-5p	MIMAT0000557	CCUAGUAGGUGCUCAGUAAGUGU	
rno-miR-326	MIMAT0000560	CCUCUGGGCCCUUCCUCCAGU	
rno-miR-327	MIMAT0000561	CCUUGAGGGGCAUGAGGGU	
rno-miR-328a	MIMAT0000564	CUGGCCUCUCUGCCCUUCCGU	
rno-miR-328b-3p	MIMAT0017904	CUGGCCUCUCUGCCCUA	
rno-miR-329	MIMAT0000566	AACACACCCAGCUAACCUUUUU	
rno-miR-330	MIMAT0004641	UCUCUGGGCCUGUGUCUAGGC	
rno-miR-331	MIMAT0000570	GCCCCUGGGCCUAUCCUAGAA	
rno-miR-335	MIMAT0000575	UCAAGAGCAAUACGAAAAAUGU	
rno-miR-336	MIMAT0000576	UCACCUUCCAUAUCUAGUCU	
rno-miR-337	MIMAT0000577	UUCAGCUCCUAUAUGAUGCCUUU	
rno-miR-338	MIMAT0000581	UCCAGCAUCAGUGAUUUUGUUGA	
rno-miR-339-3p	MIMAT0004648	UGAGCGCCUCGACGACAGAGCCA	
rno-miR-339-5p	MIMAT0000583	UCCCUGUCCUCCAGGAGCUCACG	
rno-miR-340-3p	MIMAT0000585	UCCGUCUCAGUUACUUUAUAGCC	
rno-miR-340-5p	MIMAT0004650	UUUAUAAGCAAUGAGACUGAUU	
rno-miR-341	MIMAT0000587	UCGUCGGAUCGGUCGGUCGGU	

rno-miR-342-3p	MIMAT0000589	UCUCACACAGAAAUCGCACCCGU	
rno-miR-342-5p	MIMAT0004652	AGGGGUGCUAUCUGUGAUUGAG	
rno-miR-343	MIMAT0000591	UCUCCUCCGUGUGCCCAGA	
rno-miR-344a-3p	MIMAT0000592	UGAUCUAGCCAAAGCCUGACCCGU	
rno-miR-344a-5p	MIMAT0004654	UCAGGCUCCUGGCUAGAUUCCAGG	
rno-miR-344b-1-3p *3	MIMAT0017894	GAUUAUAACCAAAGCCCCGACUGU	
rno-miR-344b-2-3p *3	MIMAT0017812	GGUAUAACCAAAGCCCCGACUGU	
rno-miR-344b-5p	MIMAT0017811	AGUCAGGCUGCUGGUUAUAUUC	
rno-miR-344a	MIMAT0017842	UCAGGCUCCUGGCUAGAUU	
rno-miR-345-3p	MIMAT0004655	CCCUGAACUAGGGGUCUGGAGA	
rno-miR-345-5p	MIMAT0000594	UGCUGACCCCUAGUCCAGUGC	
rno-miR-346	MIMAT0000596	UGUCUGCCUGAGUGCCUGCCUCU	
rno-miR-347	MIMAT0000598	UGUCCUCUGGGUCGCCCA	
rno-miR-349	MIMAT0000599	CAGCCCUGCUGUCUUAACCUCU	
rno-miR-350	MIMAT0000604	UUCACAAAGCCCAUACACUUUCAC	
rno-miR-351	MIMAT0000608	UCCCUGAGGAGCCCUUUGAGCCUGA	
rno-miR-352	MIMAT0000610	AGAGUAGUAGGUUGCAUAGUA	
rno-miR-361	MIMAT0003117	UUAUCAGAAUCUCCAGGGGUAC	
rno-miR-362	MIMAT0012828	AAUCCUUGGAACCUAGGUGUGAAU	
rno-miR-363	MIMAT0003210	AAUUGCACGGUAUCCAUCUGU	
rno-miR-365	MIMAT0001549	UAAUGCCCCUAAAAUCCUUAU	
rno-miR-369-3p	MIMAT0003207	AAUAAUACAUGGUUGAUUUUU	
rno-miR-369-5p	MIMAT0003206	AGAUCGACCGUGUUAUUAUUCGC	
rno-miR-370	MIMAT0003122	GCCUGCUGGGGUGGAACCUUGU	
rno-miR-374	MIMAT0003208	AUAUAAUACAACCUAGCUAAGUG	
rno-miR-375	MIMAT0005307	UUUGUUCGUUCGGCUCGCGUGA	
rno-miR-376b-3p	MIMAT0003196	AUCAUAGAGGAACAUCACUU	
rno-miR-376b-5p	MIMAT0003195	GUGGAUAUCCUUCUAUGGUUA	
rno-miR-376a	MIMAT0003198	AUCGUAGAGGAAAAUCCACGU	
rno-miR-376c	MIMAT0003194	AACAUAGAGGAAAUUUCACGU	
rno-miR-377	MIMAT0003123	UGAAUCACACAAAGGCAACUUUU	
rno-miR-378	MIMAT0003379	ACUGGACUUGGAGUCAGAAGG	
rno-miR-379	MIMAT0003192	UGGUAGACUAUGGAACGUAGG	
rno-miR-380	MIMAT0005308	AUGGUUGACCAUAGAACAUGCG	
rno-miR-381	MIMAT0003199	UAUACAAGGGCAAGCUCU	
rno-miR-382	MIMAT0003201	GAAGUUGUUCGUGGUGGAUUCG	
rno-miR-383	MIMAT0003114	CAGAUCAAGGUGACUGUGG	
rno-miR-384-3p	MIMAT0005310	AUCCUAGAAAUUGUUCACAAU	
rno-miR-384-5p	MIMAT0005309	UGUAAACAAUCCUAGGCAAUGU	
rno-miR-409-3p	MIMAT0003205	AAUGUUGCUCGGUGAACCCC	
rno-miR-409-5p	MIMAT0003204	AGGUUACCCGAGCAACUUUGCAU	
rno-miR-410	MIMAT0005311	AAUAUAACACAGAUGGCCUGU	
rno-miR-411	MIMAT0005312	UAGUAGACCGUAUAGCGUACG	
rno-miR-412	MIMAT0003124	CUUCACCUGGUCCACUAGCCGU	
rno-miR-421	MIMAT0001320	GGCCUCAUAAAUGUUUGUUG	
rno-miR-423	MIMAT0005313	AGCUCGGUCUGAGGCCCCUCAGU	
rno-miR-425	MIMAT0005314	AAUGACACGAUCACUCCCGUUGA	
rno-miR-429	MIMAT0001538	UAAUACUGUCUGGUAAUGCCGU	
rno-miR-431	MIMAT0001626	UGUCUUGCAGGCCGUCAUGCA	

rno-miR-433	MIMAT0001628	AUCAUGAUGGGCUCCUCGGUGU	
rno-miR-434	MIMAT0005315	UUUGAACCAUCACUCGACUCCU	
rno-miR-448	MIMAT0001534	UUGCAUAUGUAGGAUGUCCCA	
rno-miR-449c-3p	MIMAT0017804	UAGAACUUCGUCCCAAC	
rno-miR-449c-5p	MIMAT0017803	AGGCAGUGCAUUGCUAGCUGG	
rno-miR-449a	MIMAT0001543	UGGCAGUGUAUUGUUAGCUGGU	
rno-miR-450a	MIMAT0001547	UUUUGCGAUGUGUJCCUAAUGU	
rno-miR-451	MIMAT0001633	AAACCGUUACCAUJACUGAGUU	
rno-miR-455	MIMAT0005316	UAUGUGCCUJUGGACUACAUCG	
rno-miR-463	MIMAT0005317	UGAUAGACGCCAAUJUGGGUAG	
rno-miR-465	MIMAT0012850	UAUJUAJAGAACGGUGCUGGUGUG	
rno-miR-466b	MIMAT0005278	UAUGUGUGUGUGUAUGUCCAUG	
rno-miR-466c	MIMAT0005279	UGUGAUGUGUGCAUGUACAUG	
rno-miR-466d	MIMAT0017824	AUGUGUGUGUAUGUJCUJUUUGU	
rno-miR-471	MIMAT0005318	UACGUAGUAJAGUGCUJUUUCAC	
rno-miR-483	MIMAT0003121	CACUCCUCCCCUCCCGUCUUGU	
rno-miR-484	MIMAT0005319	UCAGGCUCAGUCCCCUCCCGAU	
rno-miR-485	MIMAT0003203	AGAGGCUGGCCGUGAUGAAUUC	
rno-miR-487b	MIMAT0003200	AAUCGUACAGGGUCAUCCACUU	
rno-miR-488	MIMAT0005341	UUGAAAGGCUGUJUCUJUGGUC	
rno-miR-489	MIMAT0003113	AUGACAUCACAUAJAUJGGCAGC	
rno-miR-490	MIMAT0012823	CAACCUGGAGGACUCCAUGCUG	
rno-miR-493	MIMAT0003191	UGAAGGUCUACUGUGUGCCAG	
rno-miR-494	MIMAT0003193	UGAAACAUACACGGGAAACCUCU	
rno-miR-495	MIMAT0005320	AAACAAACAUGGUGCACUUCUU	
rno-miR-496	MIMAT0012860	AGUAJUACAUGGCCAAUCUCC	
rno-miR-497	MIMAT0003383	CAGCAGCACACUGUGGUJUGUA	
rno-miR-499	MIMAT0003381	UUAAGACUJGCAGUGAUGUJU	
rno-miR-500	MIMAT0005321	AAUGCACCUGGGCAAGGGUUCA	
rno-miR-501	MIMAT0003116	AAUCCUJUGUCCCGUGGUGA	
rno-miR-503	MIMAT0003213	UAGCAGCGGGAACAGUACUGCAG	
rno-miR-504	MIMAT0012830	AGACCCUGGUCUGCACUCUGUC	
rno-miR-505	MIMAT0003380	GUCAACACUJGCUGGUJUUCC	
rno-miR-511	MIMAT0012829	CAUGCCUJUJGCUCUGCACUC	
rno-miR-532-3p	MIMAT0005323	CCUCCCACACCCAAGGCUUGCA	
rno-miR-532-5p	MIMAT0005322	CAUGCCUJGAGUGUAGGACUGU	
rno-miR-539	MIMAT0003176	GGAGAAAUUAUCCUJGGUGUGU	
rno-miR-540	MIMAT0003174	AGGUJAGAGGUJGAUCCUGGGC	
rno-miR-541	MIMAT0003177	AAGGGAUUCUGAUGUJGGUCACACU	
rno-miR-542-3p	MIMAT0003179	UGUGACAGAUJGAUAACUGAAA	
rno-miR-542-5p	MIMAT0003178	CUCGGGGAUCAUCAUGUCACGA	
rno-miR-543	MIMAT0004787	AAGUJGCCCGCGUGUJUJUUCG	
rno-miR-544	MIMAT0012831	AUUCUGCAUJUJUJAGCAAGCU	
rno-miR-547	MIMAT0012851	AUUGGUACUUCUJUJAGUGAGA	
rno-miR-551b	MIMAT0005596	GGCGACCCAUAJUJGGUJUCAGU	
rno-miR-568	MIMAT0012832	AUGUAUAAAUGUAUACACAC	
rno-miR-582	MIMAT0012833	UACAGUJGUJCAACCAGUJACU	
rno-miR-592	MIMAT0012834	AUUGUGUCAAUJUGCGAUGAUGU	
rno-miR-598-3p	MIMAT0005325	UACGUCAUCGUJGUCAUCGUUA	
rno-miR-598-5p	MIMAT0005324	GCGGUGAUGCCGAUGGUGCGAG	

rno-miR-615	MIMAT0012835	GGGGGUCCCCGGUGCUCGGAUC	
rno-miR-628	MIMAT0012836	AUGCUGACAUAUUUACGAGAGG	
rno-miR-632	MIMAT0012837	GUGUCUGUUUCCUGCCGGA	
rno-miR-652	MIMAT0005342	AAUGGCGCCACUAGGGUUGUG	
rno-miR-653	MIMAT0012838	UUGAAACAUUCUCUACUGAAC	
rno-miR-665	MIMAT0012844	ACCAGGAGGCUGAGGUCCCUUA	
rno-miR-666	MIMAT0012855	AGCGGGCACGGCUGUGAGAG	
rno-miR-667	MIMAT0012852	UGACACCUGCCACCCAGCCCAA	
rno-miR-668	MIMAT0012839	UGUCACUCGGCUCGGCCACUACC	
rno-miR-671	MIMAT0005326	UCCGGUUCUCAGGGCUCCACC	
rno-miR-672	MIMAT0005327	UGAGGUUGGUGUACUGUGUGUGA	
rno-miR-673	MIMAT0005328	CUCACAGCUCCGGUCCUUGGAG	
rno-miR-674-3p	MIMAT0005330	CACAGCUCCAUCUCAGAACAA	
rno-miR-674-5p	MIMAT0005329	GCACUGAGAUGGGAGUGGUGUA	
rno-miR-675	MIMAT0012841	UGGUGCGGAAAGGGCCACAGU	
rno-miR-678	MIMAT0012857	GUCUCGGGGCAAGGACUGGAGG	
rno-miR-702-3p	MIMAT0017885	UGCCACCCUUUACCCACUCCA	
rno-miR-702-5p	MIMAT0017884	GUGAGUGGGGUGGUUGGCAUG	
rno-miR-708	MIMAT0005331	AAGGAGCUUACAAUCUAGCUGGG	
rno-miR-711	MIMAT0012859	GGGACCCUGGGAGAGAUGUAAG	
rno-miR-741-3p	MIMAT0017902	AAAGAUGCCACGCUAUGUAGAU	
rno-miR-741-5p	MIMAT0017901	UACAUAGAUUGGUACCUAUCA	
rno-miR-742	MIMAT0005333	GAAAGCCACCAUGUUGGGUAAA	
rno-miR-743a	MIMAT0005334	GAAAGACGCCAAACUGGGUAGA	
rno-miR-743b	MIMAT0005280	GAAAGACACCAUACUGAAUAGA	
rno-miR-758	MIMAT0005335	UUUGUGACCUGGUCCACUAACC	
rno-miR-759	MIMAT0012856	GCAGAGUGCAAACAUUUUGAC	
rno-miR-760-3p	MIMAT0005337	CGGCUCUGGGUCUGUGGGGA	
rno-miR-760-5p	MIMAT0005336	CCCCUCAGGCCACCAGAGCCCG	
rno-miR-761	MIMAT0012853	GCAGCAGGGUGAAACUGACACA	
rno-miR-764	MIMAT0012854	GGUGCUCACAUGUCCUCCUCCA	
rno-miR-770	MIMAT0005338	AGCACCACGUGUCUGGGCCACG	
rno-miR-802	MIMAT0012840	UCAGUAACAAAGAUUCAUCCU	
rno-miR-871	MIMAT0005281	UAUUCAGAUUGGUGCCGGUCACAU	
rno-miR-872	MIMAT0005282	AAGGUUACUUGUUAGUUCAGG	
rno-miR-873	MIMAT0005339	GCAGGAACUUGUGAGUCUCCU	
rno-miR-874	MIMAT0005284	CUGCCCUGGCCCGAGGGACCGA	
rno-miR-875	MIMAT0012842	UAUACCUCAGUUUAUCAGGUG	
rno-miR-876	MIMAT0012843	UGGAUUUCUCUGUGAAUCACCA	
rno-miR-877	MIMAT0005285	GUAGAGGAGAUGGCGCAGGG	
rno-miR-878	MIMAT0005286	GCAUGACACCAUACUGGGUAGA	
rno-miR-879	MIMAT0005287	AGAGGCUUAUAGCUCUAAGCC	
rno-miR-880	MIMAT0005288	UACUCCAUUCAUUCUGAGUAGA	
rno-miR-881	MIMAT0005289	UAACUGUGGCAUUUCUGAAUAG	
rno-miR-883	MIMAT0005290	UAACUGCAACAUCUCUCAGUAU	
rno-miR-935	MIMAT0012845	CCAGUUACCGCUUCCGCUACCGC	
rno-miR-1188-3p	MIMAT0017855	CGAGGCUCCCACCACA	
rno-miR-1188-5p	MIMAT0017854	UGGUGUGAGGUUGGGCCAGGA	
rno-miR-1193-3p	MIMAT0017859	UAGGUCACCCGUUUUACUAUCC	
rno-miR-1193-5p	MIMAT0017858	AUGGUAACCGGUGACGUGC	

rno-miR-1224	MIMAT0012827	GUGAGGACUGGGGAGGUGGAG	
rno-miR-1249	MIMAT0017892	ACGCCCUUCCCCCUUCUUA	
rno-miR-1912-3p	MIMAT0017865	CACAGAACAUGCAGUGAGA	
rno-miR-1912-5p	MIMAT0017864	UGCUCAUUGCAUGGGCUAUGU	
rno-miR-1949	MIMAT0017852	UAUACCAGGAUGUCAGCAUAGUU	
rno-miR-2964	MIMAT0017882	AGAUGUCCAGCCACAUAUUCUG	
rno-miR-2985	MIMAT0017891	UGUUUAUGUAUCCCACCUACCC	
rno-miR-3065-3p	MIMAT0017840	UCAGCACCAGGAUAUUGUUGGGGA	
rno-miR-3074	MIMAT0017815	GAUAUCAGCUCAGUAGGCACCG	
rno-miR-3085	MIMAT0017805	UCUGGCUGCUAUGGCCCCUC	
rno-miR-3120	MIMAT0017900	CACAGCAAGUGUAGACAGGCA	
rno-miR-3541	MIMAT0017795	UCCCUCCCCUCACUGCA	
rno-miR-3542	MIMAT0017796	AAGGCUCUUCUUCCUUGCAG	
rno-miR-3543	MIMAT0017797	CAGGAGUCGAGUGAUGGUUCAA	
rno-miR-3544	MIMAT0017798	AACUCCUGCAUGACGCCGUUCCC	
rno-miR-3545-3p	MIMAT0017800	UUGAACUGUUAAGAACCACUGG	
rno-miR-3545-5p	MIMAT0017799	AGUGGUCCUAAACAUUUCAC	
rno-miR-3546	MIMAT0017801	AUAACCCGGGCCAAAAGCUCAC	
rno-miR-3547	MIMAT0017802	UGAGCACCACCCUCUCUCAGAU	
rno-miR-3548	MIMAT0017806	CAGCACUGUCCGGUAAGAUGCC	
rno-miR-3549	MIMAT0017807	AUCUUGCCCGCAAAGACCC	
rno-miR-3550	MIMAT0017808	CCGAGCCCAUCCCUGCCCUAG	
rno-miR-3551-3p	MIMAT0017810	UGAAAUUCACCAUGGUGGGUAAA	
rno-miR-3551-5p	MIMAT0017809	UCUUCACCAUGGUGUUUUUGACAU	
rno-miR-3552	MIMAT0017813	AGGCUGCAGGCCACUJCCCU	
rno-miR-3553	MIMAT0017814	CAGUGAAUUCUACCAGUGCCUA	
rno-miR-3555	MIMAT0017817	GAACGAAUCCAAGUGCAGCU	
rno-miR-3557-3p	MIMAT0017820	ACACAGGACCUGGAGUCAGGAG	
rno-miR-3557-5p	MIMAT0017819	GCCUUCUGACUCCAAGUCCAGU	
rno-miR-3558-3p	MIMAT0017826	ACUGUGGAGGGUUUCUAUGU	
rno-miR-3558-5p	MIMAT0017825	CCAUAGAAGUCAUCCCACAGUGCC	
rno-miR-3559-3p	MIMAT0017828	AUGUAGUACUGAGUCUGUCGUG	
rno-miR-3559-5p	MIMAT0017827	UGACAGACUAGUACUACAUGA	
rno-miR-3560	MIMAT0017829	CAAAUCCUUGCCCGGGUGCAUU	
rno-miR-3561-3p	MIMAT0017831	UAUCCAGGGUAGACACUCAGA	
rno-miR-3561-5p	MIMAT0017830	ACUGUGUCAAUCCAGGGUAGA	
rno-miR-3562	MIMAT0017832	UUGGGGCAGUGGCUGGAUGGGA	
rno-miR-3563-3p	MIMAT0017834	UAUGUGGGACGGUAAAC	
rno-miR-3563-5p	MIMAT0017833	CGGUUUACCGUCCCACAUAC	
rno-miR-3564	MIMAT0017837	UGGGAAAUGCAAAGAGGGAAG	
rno-miR-3565	MIMAT0017838	CAUGGUUAGAUAAGCACAA	
rno-miR-3566	MIMAT0017841	CUGCCUAACAAUGAACUACC	
rno-miR-3567	MIMAT0017843	UACCAAAGUAAUAAUGUGCUG	
rno-miR-3568	MIMAT0017848	UGUUCUUCCCGUGCAGAAGCAG	
rno-miR-3569	MIMAT0017849	GGAGGACAGCAGACUCAGGUC	
rno-miR-3570	MIMAT0017850	GGUACAUAACGGUCGAUGGU	
rno-miR-3571	MIMAT0017851	UACACACUUCUUACAUCCAUA	
rno-miR-3572	MIMAT0017853	UUACACUUGCCCUUUUUUJCCCCAG	
rno-miR-3573-3p	MIMAT0017857	UUCCUAACUCUGCCCCUCCCA	
rno-miR-3573-5p	MIMAT0017856	UGAGGGGCAGUGAUAGAAAGGA	

rno-miR-3575	MIMAT0017861	ACUGCUGGGUAAGACGAG		
rno-miR-3577	MIMAT0017863	UCUGUCCCUUUGGCCUUAG		
rno-miR-3578	MIMAT0017866	GCGAAUAUACACGGUCAUCU		
rno-miR-3579	MIMAT0017867	GCGCAUGUUCUAUGGUCAACCA		
rno-miR-3580-3p	MIMAT0017869	UGACUAGGGUAGUAUGAGUAGA		
rno-miR-3580-5p	MIMAT0017868	UGCUUGUACUUAUUCUGGUGAC		
rno-miR-3581	MIMAT0017870	AGGGGUUCACCGAGCAACAUUCG		
rno-miR-3583-3p	MIMAT0017874	CCUGACUUCUCUCUUAUCAGCAG		
rno-miR-3583-5p	MIMAT0017873	AGCAUGAAGAGUUCAGAUACAGUU		
rno-miR-3584-3p	MIMAT0017876	GCCCGCAUCUCUGGAUCCC		
rno-miR-3585-3p	MIMAT0017879	UGAACGGCCCUUGUUGUGA		
rno-miR-3585-5p	MIMAT0017878	UUCACAAGAAGGUGUCUUUCAU		
rno-miR-3586-3p	MIMAT0017881	AUACUAGACUGUGAGCUCCUCGA		
rno-miR-3586-5p	MIMAT0017880	UCCCUGUCCUCAAGGAG		
rno-miR-3589	MIMAT0017888	GAGGAAACCAGCAAGUGUUGAC		
rno-miR-3590-3p	MIMAT0017890	UAGCACA AUGUGAAAAGAGCUC		
rno-miR-3590-5p	MIMAT0017889	UGCCUUUUUAAACAUUGCACUG		
rno-miR-3592	MIMAT0017895	AAGUGUUGUCCGUGAAUGAUU		
rno-miR-3593-3p	MIMAT0017897	CUUCAACCUUAAGGGGGCCUCA		
rno-miR-3593-5p	MIMAT0017896	UGGCCUCCGCAGGGUUGAAGCU		
rno-miR-3594-3p	MIMAT0017899	CACACCGCCUCUGCCCUCUAGU		
rno-miR-3594-5p	MIMAT0017898	CCCAGGGCAGAGCAGUGUGAA		
rno-miR-3595	MIMAT0017903	GUGGAUUUUCUCUACGAU		
rno-miR-3596b	MIMAT0017871	AACUAUGCAACCUACUACCU		
rno-miR-3596c	MIMAT0017877	ACUAUACAACCUCCUACCUCA		
rno-miR-3596d	MIMAT0017823	CUAUACAUCUACUACCUCA		
rno-miR-3597-5p	MIMAT0017835	UUCGGUUAUCUAGCUUUAU		
Actb	NM_031144.2	CCACCACAGCTGAGAGGGAAATCGTGCGTGACATTA	AAA	
B2m	NM_012512.1	CGAGACCGATGTATATGCTTGCAGAGTTAAACACGTCAC		
Gapdh	NM_017008.2	TGGTGAAGGTCGGTGTGAACGGATTTGGCCGTATCGG		
Rpl19	NM_031103.1	TCCAAGGAGGAAGAGACCAAGAAATGAAGCGTCCCTCC		