

Table S1. Retro-miRs information

miRNA (Official name)	micro-RNA	mature miRNA	Classes	Position	mat. miRNA sequence	Position	Retrocopy	Position	Parental Gene	Position
MIR4444-2	mir-4444-2	hsa-miR-4444	RTC	chr3:75214476-75214549	CUCGAGUUGGAAGAGGCG	chr3:75214518-75214535	HNRNPA3P6	chr3:75214631-75215636	HNRNPA3	chr2:177212563-177223958
MIR4426	mir-4426	hsa-miR-4426	EJ	chr1:192716328-192716390	GAAGAUGGACGUACUUU	chr1:192716333-192716349	RPS27AP5	chr1:192716132-192716653	RPS27A	chr2:55231903-55235853
-	mir-4426-1	hsa-miR-4426	EJ	chr16:61055707-61055769	GAAGAUGGACGUACUUU	chr16:61055744-61055760	RPS27AP16	chr16:61055399-61055964	RPS27A	chr2:55231903-55235853
MIR1244-2	mir-1244-2	hsa-miR-1244	RTC	chr5:118974586-118974670	AAGUAGUUGGUUUGUAGAGAUGGUU	chr5:118974640-118974665	PTMAP2	chr5:118973796-118974122	PTMA	chr2:231706895-231713551
MIR1244-3	mir-1244-3	hsa-miR-1244	RTC	chr12:9239467-9239551	AAGUAGUUGGUUUGUAGAGAUGGUU	chr12:9239472-9239497	PTMAP4	chr12:9239986-9240331	PTMA	chr2:231706895-231713551
MIR1244-4	mir-1244-4	hsa-miR-1244	RTC	chr12:12111952-12112036	AAGUAGUUGGUUUGUAGAGAUGGUU	chr12:12112006-12112031	PTMAP9	chr12:12111163-12111489	PTMA	chr2:231706895-231713551
-	mir-1244-5	hsa-miR-1244	RTC	chr3:117027474-117027558	AAGUAGUUGGUUUGUAGAGAUGGUU	chr3:117027528-117027553	PTMAP8	chr3:117026698-117027039	PTMA	chr2:231706895-231713551
-	mir-1244-6	hsa-miR-1244	RTC	chr14:92027342-92027426	AAGUAGUUGGUUUGUAGAGAUGGUU	chr14:92027396-92027421	RP11-529H2.3	chr14:92026422-92027567	PTMA	chr2:231706895-231713551
MIR3654	mir-3654	hsa-miR-3654	EJ	chr7:133034860-133034915	GACUGGACAAGCUGAGGAA	chr7:133034860-133034878	RP11-371A22.1	chr7:133034607-133035920	EEF1G	chr11:62559596-62574086
-	mir-3654-1	hsa-miR-3654	EJ	chrX:115703812-115703867	GACUGGACAAGCUGAGGAA	chrX:115703849-115703867	EEF1GP5	chrX:115702811-115704120	EEF1G	chr11:62559596-62574086
MIR572	mir-572	hsa-miR-572	Novel	chr4:11368827-11368921	GUCCGCUCGGCGUGGCCCA	chr4:11368887-11368906	RNPS1P1	chr4:11368821-11373738	RNPS1	chr16:2253116-2268397
MIR622	mir-622	hsa-miR-622	EJ	chr13:90231182-90231277	ACAGUCUGCUGAGGUUGGAGC	chr13:90231242-90231262	KRT18P27	chr13:90230384-90231682	KRT18	chr12:52948871-52952906
MIR7161	mir-7161	hsa-miR-7161-3p	Novel	chr6:158609707-158609790	UAGAUCUUUGACUCUGGCAGUCUCCAGG	chr6:158609763-158609790	TATDN2P2	chr6:158609706-158621636	TATDN2	chr3:10248023-10281218
MIR7161	mir-7161	hsa-miR-7161-5p	Novel	chr6:158609707-158609790	UAAAGACUGUAGAGGCCAUCUGGU	chr6:158609707-158609729	TATDN2P2	chr6:158609706-158621636	TATDN2	chr3:10248023-10281218
MIR4788	mir-4788	hsa-miR-4788	Novel	chr3:134437827-134437906	UUACGGACCAGCUAAGGGAGGC	chr3:134437836-134437857	HMGB3P13	chr3:134437605-134438211	HMGB3	chrX:150980509-150990771
MIR4468	mir-4468	hsa-miR-4468	Novel	chr7:138123758-138123821	AGAGCAGAAGGAUGAGAU	chr7:138123803-138123820	RCC2P3	chr7:138122202-138124595	RCC2	chr1:17406760-17439677
MIR492	mir-492	hsa-miR-492	EJ	chr12:94834398-94834513	AGGACCUCGGGACAAGAUCUUU	chr12:94834427-94834449	KRT19P2	chr12:94834147-94835158	KRT19	chr17:41523617-41528308
MIR10527	mir-10527	hsa-miR-10527-5p	EJ	chr12:63823663-63823727	AAGCAAUGUUGGGUACGCGC	chr12:63823663-63823685	PABPC1P4	chr12:63822021-63823895	PABPC1	chr8:100685816-100722809

*** The microRNA nomenclature can be divided into three main components:

- i) The species, which is named using three letters. For example, "hsa" is used to represent microRNAs found in the human genome.
- ii) The microRNA, which indicates whether it refers to the pre-miRNAs (prefixed with "mir," e.g., mir-576) or the mature miRNAs (prefixed with "miR," e.g., miR-576). Precursors are named with a lowercase "r" before "mir," while mature miRNAs are represented with an uppercase "R" in "miR."
- iii) Additional information, which applies to mature miRNAs, may include a type designation at the end of the name. If only one mature miRNA is reported, no additional information is provided (e.g., "hsa-miR-492"). However, if there are two annotations, they are represented as 3p and 5p, indicating the strand of the miRNA. For example, "hsa-miR-7161-3p" and "hsa-miR-7161-5p." In the case of pre-miRNAs, this additional information may indicate the existence of another miRNA gene in a different genomic position but with a similar or identical stem-loop structure. These patterns are numbered using integers, such as 1, 2, 3 (e.g., "hsa-mir-4444-1" and "hsa-mir-4444-2").