Supplemental Table A. microRNAs in Introns of Protein Coding Genes

microRNA	miR Copy Number (identical)	miR Chr Location	Host Gene/TU	Host Gene/TU Details	microRNA Mapping Position Wthin Host Gene	Host Gene Expression	Expression Source/Ref
hsa-let-7f-2	2	X	ENSG00000086758	UPSTREAM REGULATORY ELEMENT BINDING PROTEIN 1; HECT DOMAIN PROTEIN LASU1; BJ-HCC-24 TUMOR ANTIGEN. UREB1 [Source:RefSeq;Acc:NM_031407]	Within Intron 32		
hsa-miR-98	1	X	ENSG00000086758	UPSTREAM REGULATORY ELEMENT BINDING PROTEIN 1; HECT DOMAIN PROTEIN LASU1; BJ-HCC-24 TUMOR ANTIGEN. UREB1 [Source:RefSeq;Acc:NM_031407]	Within Intron 32		
mmu-let-7f-2	2	X	ENSMUSESTG00000005980/ENSMUSG00000025261	UPSTREAM REGULATORY ELEMENT BINDING PROTEIN 1 (FRAGMENT). Ureb1 [Source: SPTREMBL (Q8BNJ7)]	Within Intron 3	Widely Expressed	Affy U74A: 96664_at
mmu-miR-98	1	X	ENSMUSESTG00000005980/ENSMUSG00000025261	UPSTREAM REGULATORY ELEMENT BINDING PROTEIN 1 (FRAGMENT). Ureb1 [Source: SPTREMBL (Q8BNJ7)]	Within Intron 3	Widely Expressed	Affy U74A: 96664_at
hsa-let-7g	1	3	ENSG00000164091/ENSESTG00000005722	Novel Protein (INTERPRO: IPR001680 G-protein beta WD-40 repeat)	Within Intron 2		
mmu-let-7g	1	9	ENSMUSG00000020257	Novel Protein (INTERPRO: IPR001680 G-protein beta WD-40 repeat)	Within Intron 2	Enriched in the cerebellum. Also expressed in thymus.	Affy U74A: 96924_at
hsa-miR-1-1	2	20	ENSG00000174407	Novel Protein (C20orf166)	Within Intron 2		
hsa-miR-133a-2	2	20	ENSG00000174407	Novel Protein (C20orf166)	Within Intron 1		
mmu-miR-1-1	2	2			undefined		
mmu-miR-133a-2 predicted	2	2			undefined		
hsa-miR-7-3	3	19	ENSG00000176840	PITUITARY GLAND SPECIFIC FACTOR 1A. [Source:RefSeq;Acc:NM_174947]	Within Intron 2	Expressed primarily in the pituitary gland. Lesser expression in the pancreas	Tanaka S, Tatsumi K, Okubo K, Itoh K, Kawamoto S, Matsubara K, Amino N. Expression profile of active genes in the human pituitary gland. J Mol Endocrinol. 2002 Feb;28(1):33-44
mmu-miR-7b	3	17			undefined		

hsa-miR-9-1	3	1	ENSG00000125462	TRANSCRIPTIONAL ACTIVATOR OF THE C-FOS PROMOTER. CROC4 [Source: RefSeq (NM_006365)]	Within Intron 2	Brain specific. Enriched in proliferating and migrating brain cells	Jeffrey PL, Capes-Davis A, Dunn JM, Tolhurst O, Seeto G, Hannan AJ, Lin SL. CROC-4: a novel brain specific transcriptional activator of c-fos expressed from proliferation through to maturation of multiple neuronal cell types. Mol Cell Neurosci. 2000 Sep;16(3):185-96
hsa-miR-9*-1	3	1	ENSG00000125462	TRANSCRIPTIONAL ACTIVATOR OF THE C-FOS PROMOTER. CROC4 [Source: RefSeq (NM_006365)]	Within Intron 2	same	same
mmu-miR-9-1	3	3	ENSMUSESTG00000005502 MBuild30		Within Intron 2		
mmu-miR-9*-1	3	3	ENSMUSESTG00000005502 MBuild30		Within Intron 2		

hsa-miR-9-3	3	15	LOC254559/hineri AceView	Novel Protein	Within Intron 1	Expressed at high levels	Aceview/Acembly
hsa-miR-9*-3	3	15	LOC254559/hineri AceView	Novel Protein	Within Intron 1	same	same
mmu-miR-9-3	3	7	ENSMUSESTG00000007408	Novel Protein	Within Intron 1		
mmu-miR-9*-3	3	7	ENSMUSESTG00000007408	Novel Protein	Within Intron 1		

hsa-miR-10b	2	2	ENSG00000170166	HOMEOBOX PROTEIN HOX-D4 (HOX-4B) (HOX-5.1) (HHO.C13). [Source: SWISSPROT (P09016)]	Just upstream of presently annotated HOXD4 gene		

mmu-miR-10b	2	2	ENSMUSG00000042464	HOMEOBOX PROTEIN HOX-D4 (HOX-4.2) (HOX-5.1). [Source:SWISSPROT;Acc:P10628]	Within Intron 4	In the embryo expressed in the presumptive hindbrain and spinal cord, prevertebrae, and other tissues. In the adult, expressed predominantly in the testis and kidney, and to a lesser extent in intestine and heart	Horan GS, Kovacs EN, Behringer RR, Featherstone MS. Mutations in paralogous Hox genes result in overlapping homeotic transformations of the axial skeleton: evidence for unique and redundant function. Dev Biol. 1995 May;169(1):359-72
hsa-miR-15b	2	3	ENSG00000113810	STRUCTURAL MAINTENANCE OF CHROMOSOMES 4-LIKE 1 PROTEIN (CHROMOSOME- ASSOCIATED POLYPEPTIDE C) (HCAP-C) (XCAP-C HOMOLOG). SMC4L1 [Source:SWISSPROT;Acc:Q9NTJ3]	Within Intron 4	Widely expressed. Higher expression in testis, colon, thymus.	SWISSPROT
hsa-miR-16-2	2	3	ENSG00000113810	STRUCTURAL MAINTENANCE OF CHROMOSOMES 4-LIKE 1 PROTEIN (CHROMOSOME- ASSOCIATED POLYPEPTIDE C) (HCAP-C) (XCAP-C HOMOLOG). SMC4L1 [Source:SWISSPROT;Acc:Q9NTJ3]	Within Intron 4	Widely expressed. Higher expression in testis, colon, thymus.	SWISSPROT
mmu-miR-15b	2	3	ENSMUSG00000034349	STRUCTURAL MAINTENANCE OF CHROMOSOMES 4-LIKE 1 PROTEIN (CHROMOSOME- ASSOCIATED POLYPEPTIDE C) (XCAP-C HOMOLOG). [Source:SWISSPROT;Acc:Q8CG47]	Within Intron 4		
mmu-miR-16-2	2	3	ENSMUSG00000034349	STRUCTURAL MAINTENANCE OF CHROMOSOMES 4-LIKE 1 PROTEIN (CHROMOSOME- ASSOCIATED POLYPEPTIDE C) (XCAP-C HOMOLOG). [Source:SWISSPROT;Acc:Q8CG47]	Within Intron 4		
hsa-miR-17-5p	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-17-3p	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-18	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-19a	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-20	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-19b-1	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
hsa-miR-92-1	3	13	OTTHUMG00000017195	Novel Protein (Vega: bA121J7.2)	Within Intron 2		
mmu-miR-17-5p	1	14			undefined		
mmu-miR-17-3p	1	14			undefined		
mmu-miR-18	1	14			undefined		

mmu-miR-19a	2	14			undefined		
mmu-miR-20	1	14			undefined		
mmu-miR-19b-1	2	14			undefined		
mmu-miR-92-1	2	14			undefined		
hsa-miR-23b	2	9	OTTHUMG00000020276/ENSG00000148120	Novel Protein (C9orf3) Peptidase M1, membrane alanine aminopeptidase motif (Interpro: IPR001930)	Within Intron 12	High expression in uterus and heart. Moderately expressed elsewhere	Affy U95A: 41207_at
hsa-miR-27b	2	9	OTTHUMG00000020276/ENSG00000148120	Novel Protein (C9orf3) Peptidase M1, membrane alanine aminopeptidase motif (Interpro: IPR001930)	Within Intron 12	High expression in uterus and heart. Moderately expressed elsewhere	Affy U95A: 41207_at
mmu-miR-23b	2	13	ENSMUSG00000056748	Novel Protein (Q8BHX5) Peptidase M1, membrane alanine aminopeptidase motif (Interpro: IPR001930)	Within Intron 5		
mmu-miR-27b	2	13	ENSMUSG00000056748	Novel Protein (Q8BHX5) Peptidase M1, membrane alanine aminopeptidase motif (Interpro: IPR001930)	Within Intron 5		
hsa-miR-25	1	7	OTTHUMG00000023308/ENSG00000166508	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG) (P1.1-MCM3). [Source:SWISSPROT;Acc:P33993]	Within Intron 13	Widely expressed with highest expression in proliferating cells; upregulated just prior to S phase of cell cycle	Affy U95a: 947_at; Fujita, M., Kiyono, T., Hayashi, Y. and Ishibashi, M. (1996) hCDC47, a human member of the MCM family. Dissociation of the nucleus-bound form during S phase. J Biol Chem, 271, 4349-4354
hsa-miR-93	1	7	OTTHUMG00000023308/ENSG00000166508	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG) (P1.1-MCM3). [Source:SWISSPROT;Acc:P33993]	Within Intron 13	same	same
hsa-miR-106b	2	7	OTTHUMG00000023308/ENSG00000166508	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG) (P1.1-MCM3). [Source:SWISSPROT;Acc:P33993]	Within Intron 13	same	same
mmu-miR-25	1	5	ENSMUSG00000029730	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG). MCM7_MOUSE [Source:SWISSPROT;Acc:Q61881]	Within Intron 13		
mmu-miR-93	1	5	ENSMUSG00000029730	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG). MCM7_MOUSE [Source:SWISSPROT;Acc:Q61881]	Within Intron 13		

mmu-miR-106b	2	5	ENSMUSG00000029730	DNA REPLICATION LICENSING FACTOR MCM7 (CDC47 HOMOLOG). MCM7_MOUSE [Source:SWISSPROT;Acc:Q61881]	Within Intron 13			
hsa-miR-26a-1	3	3	ENSG00000144677	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 1 (NLI-INTERACTING FACTOR 1) (NIF-LIKE PROTEIN) (YA22 PROTEIN) (HYA22). NIF1_HUMAN (C3orf8) [Source:SWISSPROT;Acc:O15194]	Within Intron 6			
mmu-miR-26a-1	3	9	ENSMUSG00000038995	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 1 (NLI-INTERACTING FACTOR 1) (NIF-LIKE PROTEIN). NIF1_MOUSE [Source:SWISSPROT;Acc:P58465]	Within Intron 8	Ubiquitously expressed	Fernandes et al.. Identification of a protein that interacts with the golli-myelin basic protein and with nuclear LIM interactor in the nervous system. J Neurosci Res. 2004 Feb 15;75(4):461-71	
hsa-miR-26a-2	3	12	ENSG00000175215	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 2 (NLI-INTERACTING FACTOR 2) (PROTEIN OS-4). NIF2_HUMAN [Source:SWISSPROT;Acc:O14595]	Within Intron 5	Ubiquitously expressed, with highest levels in pancreas and lowest in liver.	SWISSPROT	
mmu-miR-26a-2	3	10	ENSMUSG00000040540	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 2; NLI-INTERACTING FACTOR 2. [Source:RefSeq;Acc:NM_146012]	Within Intron 4	Ubiquitously expressed	Affy U74A: 95161_at	
hsa-miR-26b	3	1	ENSG00000144579	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 3 (NLI-INTERACTING FACTOR 3) (NLI-IF). NIF3_HUMAN [Source:SWISSPROT;Acc:Q9GZU7]	Within Intron 4	Ubiquitously expressed, with highest expression in spleen, lung and placenta.	SWISSPROT	
mmu-miR-26b	3	1	ENSMUSG00000026176	NUCLEAR LIM INTERACTOR-INTERACTING FACTOR 3 (NLI-INTERACTING FACTOR 3) (GOLLI-INTERACTING PROTEIN) (GIP). NIF3_MOUSE [Source:SWISSPROT;Acc:P58466]	Within Intron 4			

hsa-miR-28	1	3	ENSG00000145012	LIM DOMAIN CONTAINING PREFERRED TRANSLOCATION PARTNER IN LIPOMA; LIM DOMAIN-CONTAINING PREFERRED TRANSLOCATION PARTNER IN LIPOMA; LIPOMA-PREFERRED-PARTNER GENE. LPP [Source:RefSeq;Acc:NM_005578]	Within Intron 5	High expression in uterus, prostate, ovary. Highest expression in heart, colon and testes. Moderate expression in colon, small intestine, ovary, prostate. Not expressed in brain and peripheral blood leukocytes	Affy U95A: 41195_at; Gorenne I, et al., LPP, a LIM protein highly expressed in smooth muscle. Am J Physiol Cell Physiol. 2003 Sep;285(3):C674-85
mmu-miR-28	1	16	ENSMUSG00000033306	LIM DOMAIN CONTAINING PREFERRED TRANSLOCATION PARTNER IN LIPOMA. [Source:RefSeq;Acc:NM_178665]	Within Intron 7		
hsa-miR-30c-1	6	1	ENSG00000066136	NUCLEAR TRANSCRIPTION FACTOR Y SUBUNIT GAMMA (NF-Y PROTEIN CHAIN C) (NUCLEAR FACTOR YC) (NF-YC) (CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT C) (CBF-C) (TRANSACTIVATOR HSM-1/2). NFYC [Source:SWISSPROT;Acc:Q13952]	Within Intron 5	Widely Expressed	Affy U95A: 40466_at
hsa-miR-30e	6	1	ENSG00000066136	NUCLEAR TRANSCRIPTION FACTOR Y SUBUNIT GAMMA (NF-Y PROTEIN CHAIN C) (NUCLEAR FACTOR YC) (NF-YC) (CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT C) (CBF-C) (TRANSACTIVATOR HSM-1/2). NFYC [Source:SWISSPROT;Acc:Q13952]	Within Intron 5	Widely Expressed	Affy U95A: 40466_at
mmu-miR-30c-1	6	4	ENSMUSG00000032897	NUCLEAR TRANSCRIPTION FACTOR Y SUBUNIT GAMMA (NF-Y PROTEIN CHAIN C) (NUCLEAR FACTOR YC) (NF-YC) (CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT C) (CBF-C). Nfyc [Source:SWISSPROT;Acc:P70353]	Within Intron 5		
mmu-miR-30e	6	4	ENSMUSG00000032897	NUCLEAR TRANSCRIPTION FACTOR Y SUBUNIT GAMMA (NF-Y PROTEIN CHAIN C) (NUCLEAR FACTOR YC) (NF-YC) (CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT C) (CBF-C). Nfyc [Source:SWISSPROT;Acc:P70353]	Within Intron 5		
hsa-miR-32	1	9	OTTHUMG00000020469/ENSG00000106771	Novel Protein (C9orf5)	Within Intron 14		
mmu-miR-32	1	4	ENSMUSG00000038800	Novel Protein	Within Intron 4		

hsa-miR-33	1	22	OTTHUMG00000030492/ENSG00000100152	STEROL REGULATORY ELEMENT BINDING PROTEIN-2 (SREBP-2) (STEROL REGULATORY ELEMENT-BINDING TRANSCRIPTION FACTOR 2). SREBF2 [Source:SWISSPROT;Acc:Q12772]	Within Intron 15	Widely expressed. Subject to feedback transcription control by sterols.	Sato R, Inoue J, Kawabe Y, Kodama T, Takano T, Maeda M. Sterol-dependent transcriptional regulation of sterol regulatory element-binding protein-2. J Biol Chem. 1996 Oct 25;271(43):26461-4
mmu-miR-33	1	15	ENSMUSG00000022463	STEROL REGULATORY ELEMENT BINDING FACTOR 2. Srebf2 [Source:SPTREMBL;Acc:Q8BPL7]	Within Intron 16		

hsa-miR-95	1	4	ENSG00000163995	ACTIN BINDING LIM PROTEIN 2. ABLIM2 [Source:RefSeq;Acc:NM_032432]	Within Intron 4		
mmu-miR-95 does not appear conserved							

hsa-miR-99a	2	21	ENSG00000174496	Novel Protein (C21ORF34) (FRAGMENT). [Source:SPTREMBL;Acc:Q8TDA7]	Within Intron 6		
hsa-let-7c-1	2	21	ENSG00000174496	Novel Protein (C21ORF34) (FRAGMENT). [Source:SPTREMBL;Acc:Q8TDA7]	Within Intron 6		
hsa-miR-125b-2	1	21	ENSG00000174496	Novel Protein (C21ORF34) (FRAGMENT). [Source:SPTREMBL;Acc:Q8TDA7]	Within Intron 6		
mmu-miR-99a	1	16	ENSMUSESTG00000020232	Novel Protein	Within Intron 2		
mmu-let-7c-1	2	16	ENSMUSESTG00000020232	Novel Protein	Within Intron 2		
mmu-miR-125b-2	2	16	ENSMUSESTG00000020232	Novel Protein	Within Intron 2		
mmu-miR-125b-2	1	16	A330104E14 RIKEN	RIKEN mlncRNA	miRNA precursor maps close to this mlncRNA		

hsa-miR-101-2	2	9	OTTHUMG00000019474/ENSG00000120158	RNA 3'-TERMINAL PHOSPHATE CYCLASE-LIKE PROTEIN (HSPC338). RCL1_HUMAN [Source:SWISSPROT;Acc:Q9Y2P8]	Within Intron 8		
mmu-miR-101b	2	19	ENSMUSG00000024785	RNA 3'-TERMINAL PHOSPHATE CYCLASE-LIKE PROTEIN. RCL1_MOUSE [Source:SWISSPROT;Acc:Q9JJT0]	Within Intron 8	Expressed predominantly in liver and gall bladder	Affy U74A: 98923_at

hsa-miR-103-1	2	5	ENSG00000120137	PANTOTHENATE KINASE 3 (EC 2.7.1.33) (PANTOTHENIC ACID KINASE 3) (HPANK3). [Source:SWISSPROT;Acc:Q9H999]	Within Intron 4	Highly expressed in the liver.	SWISSPROT
mmu-miR-103-1	2	11	ENSMUSG00000018846	PANTOTHENATE KINASE 3 (EC 2.7.1.33) (PANTOTHENIC ACID KINASE 3) (MPANK3). PNK3_MOUSE [Source:SWISSPROT;Acc:Q8R2W9]	Within Intron 5		
hsa-miR-103-2	2	20	OTTHUMG00000031768/ENSG00000125779	PANTOTHENATE KINASE 2, MITOCHONDRIAL PRECURSOR (EC 2.7.1.33) (PANTOTHENIC ACID KINASE 2) (HPANK2). [Source:SWISSPROT;Acc:Q9BZ23]	Within Intron 5	Ubiquitous	SWISSPROT
mmu-miR-103-2	2	2	ENSMUSG00000037514	PANTOTHENATE KINASE 2. [Source:RefSeq;Acc:NM_153501]	Within Intron 5		
hsa-miR-105-1	2	X	ENSG00000011677	GAMMA-AMINOBUTYRIC-ACID RECEPTOR ALPHA-3 SUBUNIT PRECURSOR (GABA(A) RECEPTOR). GABRA3 [Source:SWISSPROT;Acc:P34903]	Within Intron 1	Expressed in many tissues. Highest levels of expression in adult heart and placenta.	SWISSPROT
hsa-miR-105-2	2	X	ENSG00000011677	GAMMA-AMINOBUTYRIC-ACID RECEPTOR ALPHA-3 SUBUNIT PRECURSOR (GABA(A) RECEPTOR). GABRA3 [Source:SWISSPROT;Acc:P34903]	Within Intron 1	Expressed in many tissues. Highest levels of expression in adult heart and placenta.	SWISSPROT
mmu-miR-105-1 predicted	1	X	ENSMUSG00000031343	GAMMA-AMINOBUTYRIC-ACID RECEPTOR ALPHA-3 SUBUNIT PRECURSOR (GABA(A) RECEPTOR). Gabra3 [Source: SWISSPROT (P26049)]	Within Intron 1		
mmu-miR-105-2 does not appear conserved							
hsa-miR-107	1	10	OTTHUMG00000018718/ENSG00000152782	PANTOTHENATE KINASE 1 (EC 2.7.1.33) (PANTOTHENIC ACID KINASE 1) (HPANK1) (HPANK). [Source:SWISSPROT;Acc:Q8TE04]	Within Intron 5	Expressed in liver and kidney.	SWISSPROT
mmu-miR-107	1	16	ENSMUSG00000033610	PANTOTHENATE KINASE 1 (EC 2.7.1.33) (PANTOTHENIC ACID KINASE 1) (MPANK1) (MPANK). PANK1_MOUSE [Source:SWISSPROT;Acc:Q8K4K6]	Within Intron 5		
hsa-miR-124a-1	3	8	8_9800285/hanura AceView	Novel Protein	Within Intron 1	Expressed at high levels	Aceview/Acembly
mmu-miR-124a-1	3	14			undefined		

hsa-miR-124a-2	3	8	8_65335667/puly Aceview	Novel Protein	Within Intron 1		
mmu-miR-124a-2	3	3	ENSMUSG00000049348	Novel Protein	Within Intron 2		
hsa-miR-126	1	9	OTTHUMG00000020938/ENSG00000172889	EGF-LIKE-DOMAIN, MULTIPLE 7; NEU1 PROTEIN. (bA251M1.2) [Source:RefSeq;Acc:NM_016215]	Within Intron 6		
hsa-miR-126*	1	9	OTTHUMG00000020938/ENSG00000172889	EGF-LIKE-DOMAIN, MULTIPLE 7; NEU1 PROTEIN. (bA251M1.2) [Source:RefSeq;Acc:NM_016215]	Within Intron 6		
hsa-miR-126	1	9	OTTHUMG00000020938	Vega mlncRNA (Isoform bA251M1.2-006)	Within Intron 5		
hsa-miR-126*	1	9	OTTHUMG00000020938	Vega mlncRNA (Isoform bA251M1.2-006)	Within Intron 5		
mmu-miR-126	1	2	ENSMUSG00000026921	EGF-LIKE DOMAIN 7; NEU1 PROTEIN. NOTCH4-LIKE PROTEIN (VASCULAR ENDOTHELIAL ZINC FINGER 1) [Source:RefSeq;Acc:NM_178444]	Within Intron 7	Expressed specifically in endothelial cells of the developing mouse embryo. In adults expressed in early endothelial progenitors	Soncin F, Mattot V, Lionneton F, Spruyt N, Lepretre F, Begue A, Stehelin D. VE-statin, an endothelial repressor of smooth muscle cell migration. EMBO J. 2003 Nov 3;22(21):5700-11
mmu-miR-126*	1	2	ENSMUSG00000026921	EGF-LIKE DOMAIN 7; NEU1 PROTEIN. NOTCH4-LIKE PROTEIN (VASCULAR ENDOTHELIAL ZINC FINGER 1) [Source:RefSeq;Acc:NM_178444]	Within Intron 7	same	same
hsa-miR-128a	2	2	ENSG00000048991	R3H DOMAIN PROTEIN 1. R3HDM [Source:SWISSPROT;Acc:Q15032]	Within Intron 18	Widely expressed with highest expression in brain. Enriched in fetal brain.	Affy U95A: 36610_at
mmu-miR-128a	2	1	ENSMUSESTG00000023144	Novel Protein	Within Intron 5		
hsa-miR-128b	2	3	ENSG00000076062	CAMP-REGULATED PHOSPHOPROTEIN 21 (ARPP-21) (SwissProt: AP21_HUMAN)	Within Intron 11		

mmu-miR-128b	2	9	ENSMUSG00000032503	CAMP-REGULATED PHOSPHOPROTEIN 21 (ARPP-21). AP21_MOUSE [Source:SWISSPROT;Acc:Q9DCB4]	Within Intron 17	Neuron-specific expression. Enriched in specific brain areas which are known to receive a rich dopaminergic innervation	Girault JA, Walaas SI, Hemmings HC Jr, Greengard P. ARPP-21, a cAMP-regulated phosphoprotein enriched in dopamine-innervated brain regions: tissue distribution and regulation of phosphorylation in rat brain. Neuroscience. 1990;37(2):317-25.
hsa-miR-129-1	2	7	CALU/7_127933340 NCBI	CALUMENIN 1 [Source:SWISSPROT; Acc:CALU]	Within Intron 2	Highly expressed in heart and placenta. Moderately expressed in most other organs. Low expression in brain and liver.	Yabe D, Taniwaki M, Nakamura T, Kanazawa N, Tashiro K, Honjo T. Human calumenin gene (CALU): cDNA isolation and chromosomal mapping to 7q32. Genomics. 1998 Apr 15;49(2):331-3
mmu-miR-129-1	2	6	Calu NCBI	CALUMENIN 1 [Source:SWISSPROT; Acc:CALU]	Within Intron 2		
hsa-miR-130b	2	22			undefined		
mmu-miR-130b	2	16	ENSMUSESTG00000016152	Novel Protein	Within Intron 1	High expression in testes	Afy U74A: 107889_at
mmu-miR-130b	2	16	ENSMUSESTG00000016158	Possible mlncRNA	Within Intron 2 on opposite strand		
hsa-miR-139	1	11	ENSG00000186642	CGMP-DEPENDENT 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17) (CYCLIC GMP STIMULATED PHOSPHODIESTERASE) (CGS-PDE) (CGSPDE). PDE2A [Source:SWISSPROT;Acc:O00408]	Within Intron 2	Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.	SWISSPROT
mmu-miR-139	1	7	ENSMUSG00000030653	CGMP-DEPENDENT 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17) (CYCLIC GMP STIMULATED PHOSPHODIESTERASE) (CGS-PDE) (CGSPDE) (FRAGMENT). CN2A_MOUSE [Source:SWISSPROT;Acc:Q922S4]	Within Intron 1		

hsa-miR-140	1	16	ENSG00000088481	NEDD-4-LIKE UBIQUITIN-PROTEIN LIGASE WWP2 (EC 6.3.2.-) (WW DOMAIN-CONTAINING PROTEIN 2) (ATROPIN-1 INTERACTING PROTEIN 2) (AIP2). WWP2_HUMAN [Source:SWISSPROT;Acc:O00308]	Within Intron 15	Expressed in heart, throughout the brain, placenta, lung, liver, muscle, kidney and pancreas	SWISSPROT
mmu-miR-140	1	8	ENSMUSG00000031930	NEDD-4-LIKE UBIQUITIN-PROTEIN LIGASE WWP2 (EC 6.3.2.-) (WW DOMAIN-CONTAINING PROTEIN 2). WWP2_MOUSE [Source:SWISSPROT;Acc:Q9DBH0]	Within Intron 16		
hsa-miR-148b	2	12	ENSG00000111481	COATOMER ZETA-1 SUBUNIT (ZETA-1 COAT PROTEIN) (ZETA-1 COP) (CGI-120) (HSPC181). COPZ1 [Source: SWISSPROT (Q9Y3C3)]	Within Intron 1	Ubiquitous	SWISSPROT
mmu-miR-148b	2	15	ENSMUSG00000035994 MBuild30	COATOMER ZETA-1 SUBUNIT (ZETA-1 COAT PROTEIN) (ZETA-1 COP) (CGI-120) (HSPC181). COZ1_MOUSE [Source: SWISSPROT (Q9Y3C3)]	Within Intron 1	Ubiquitous	Futatsumori M, Kasai K, Takatsu H, Shin HW, Nakayama K. Identification and characterization of novel isoforms of COP I subunits. J Biochem (Tokyo). 2000 Nov; 128(5):793-801
hsa-miR-149	1	2	ENSG00000063660	GLYPICAN-1 PRECURSOR. GPC1 [Source:SWISSPROT;Acc:P35052]	Within Intron 1		
mmu-miR-149	1	1	ENSMUSG00000034220	GLYPICAN 1. [Source:RefSeq;Acc:NM_016696]	Within Intron 1	High expression in the brain and skeletal system. In the brain, expressed by zones of neurons and neuroepithelia. Expression is also observed in skeletal and smooth muscle, epidermis, and in the developing limb and glomeruli of the kidney. Little or no expression is seen in the developing heart, lung, liver, dermis, or vascular endothelium	Litwack ED, Ivins JK, Kumbasar A, Paine-Saunders S, Stipp CS, Lander AD. Expression of the heparan sulfate proteoglycan glypican-1 in the developing rodent. Dev Dyn. 1998 Jan;211(1):72-87.

hsa-miR-151	1	8	ENSG00000169398	FOCAL ADHESION KINASE 1 (EC 2.7.1.112) (FADK 1) (PP125FAK) (PROTEIN- TYROSINE KINASE 2). FAK1 [Source: SWISSPROT (Q05397)]	Within Intron 19		
mmu-miR-151	1	15	ENSMUSG00000022607	FOCAL ADHESION KINASE 1 (EC 2.7.1.112) (FADK 1) (PP125FAK). FAK1_MOUSE [Source:SWISSPROT;Acc:P34152]	Within Intron 25	Expressed ubiquitously during early embryogenesis. Later in development highly expressed in the developing vasculature and blood vessels.	Polte TR, Naftilan AJ, Hanks SK. Focal adhesion kinase is abundant in developing blood vessels and elevation of its phosphotyrosine content in vascular smooth muscle cells is a rapid response to angiotensin II. J Cell Biochem. 1994 May;55(1):106-19
hsa-miR-152	1	17	ENSG00000005243	COATOMER ZETA-2 SUBUNIT (ZETA-2 COAT PROTEIN) (ZETA-2 COP). COPZ2 [Source:SWISSPROT;Acc:Q9P299]	Within Intron 1	Ubiquitous	SWISSPROT
mmu-miR-152	1	11	ENSMUSG00000018672	COATOMER ZETA-2 SUBUNIT (ZETA-2 COAT PROTEIN) (ZETA-2 COP). COZ2_MOUSE [Source:SWISSPROT;Acc:Q9JHH9]	Within Intron 1	Ubiquitous	SWISSPROT
hsa-miR-153-1	2	2	ENSG00000054356	PROTEIN-TYROSINE PHOSPHATASE-LIKE N PRECURSOR (R-PTP-N) (PTP IA-2) (ISLET CELL ANTIGEN 512) (ICA 512) (ISLET CELL AUTOANTIGEN 3). PTPRN [Source:SWISSPROT;Acc:Q16849]	Within Intron 19	Highest levels in pancreas and brain	Affy U95A: 917_g_at
mouse 153-1 does not appear conserved							
hsa-miR-153-2	2	7	ENSG00000155093	RECEPTOR-TYPE PROTEIN-TYROSINE PHOSPHATASE N2 PRECURSOR (EC 3.1.3.48) (R-PTP-N2) (ISLET CELL AUTOANTIGEN RELATED PROTEIN) (ICAAR) (IAR) (PHOGRIN). PTPRN2 [Source:SWISSPROT;Acc:Q92932]	Within Intron 19		

mmu-miR-153	1	12	ENSMUSG00000054701	RECEPTOR-TYPE PROTEIN-TYROSINE PHOSPHATASE N2 PRECURSOR (EC 3.1.3.48) (R-PTP-N2) (ISLET CELL AUTOANTIGEN RELATED PROTEIN) (ICAAR) (IAR) (PHOGRIN). PTPRN2 [Source: SWISSPROT (Q92932)]	Within Intron 5	Highest levels in brain, pituitary gland and pancreas. Lower levels in trachea, prostate, stomach and spinal chord	Wasmeier C, Hutton JC. Molecular cloning of phogrin, a protein-tyrosine phosphatase homologue localized to insulin secretory granule membranes. J Biol Chem. 1996 Jul 26; 271 (30) :18161-70
mmu-miR-153	1	12	ENSMUSESTG00000013772	Possible mlncRNA	Within Intron 2 on opposite strand		
hsa-miR-181c	3	19	ENSESTG00000027265/19_13833877/skoyser AceView	NANOS HOMOLOG 3; NANOS3 [Source:SWISSPROT;Acc:NANOS3]	Within Intron 1	Expressed in germ cells	Tsuda M, Sasaoka Y, Kiso M, Abe K, Haraguchi S, Kobayashi S, Saga Y. Conserved role of nanos proteins in germ cell development. Science. 2003 Aug 29;301(5637):1239-41
mmu-miR-181c	3	8			undefined		
hsa-miR-185	1	22	OTTHUMG00000030615/ENSG00000183597	SER/THR-RICH PROTEIN T10 IN DGCR REGION. T10 (Em:AC006547.C22.3) [Source:SWISSPROT;Acc:NM_152906]	Within Intron 1		
mmu-miR-185	1	16	ENSMUSG00000013539	SER/THR-RICH PROTEIN T10 IN DGCR REGION. T10_MOUSE [Source:SWISSPROT;Acc:P54797]	Within Intron 1	High levels in the trachea, liver, oesophagus, lung and velo-pharyngeal region. Also detected in the central nervous system	SWISSPROT
hsa-miR-186	1	1	ENSG00000132485	ZINC FINGER PROTEIN 265 (ZINC FINGER, SPLICING). ZNF265 [Source:SWISSPROT;Acc:O95218]	Within Intron 8		
mmu-miR-186	1	3	ENSMUSG00000028180	ZINC FINGER PROTEIN 265 (ZINC FINGER, SPLICING) (FRAGMENT). Z265_MOUSE [Source:SWISSPROT;Acc:Q9R020]	Within Intron 8		

hsa-miR-188	1	X	ENSG00000171365	CHLORIDE CHANNEL PROTEIN 5 (CLC-5). CLCN5 [Source:SWISSPROT;Acc:P51795]	Within Intron 3	Primarily expressed in Kidney. Expressed in the proximal tubule, thick ascending limb of Henle, and intercalated cells of the collecting duct. Moderately expressed in aortic vascular smooth muscle and endothelial cells, and at a slightly higher level in the coronary vascular smooth muscle.	SWISSPROT
mmu-miR-188	1	X	ENSMUSG00000004317/ENSMUSESTG00000016074	CHLORIDE CHANNEL PROTEIN 5 (CLC-5) CLC5_MOUSE	Within Intron 2		
hsa-miR-190	1	15	ENSG00000171914	TALIN 2. TLN2 [Source:SWISSPROT;Acc:Q9Y4G6]	Within Intron 51	Highly expressed in heart. Moderate expression in brain and testes. Weakly expressed in lung, liver, skeletal muscle	Monkley SJ, Pritchard CA, Critchley DR. Analysis of the mammalian talin2 gene TLN2. Biochem Biophys Res Commun. 2001 Sep 7;286(5):880-5
mmu-miR-190	1	9	ENSMUSG00000035702	TALIN 2. TLN2 [Source:RefSeq;Acc:NM_027458]	Within Intron 27		
hsa-miR-191	1	3	ENSESTG00000006105	Novel Protein	Within Intron 1		
mmu-miR-191	1	9	ENSMUSG00000032603	ARIADNE-2 PROTEIN HOMOLOG (ARI-2) (TRIAD1 PROTEIN) (UBCM4-INTERACTING PROTEIN 48). [Source:SWISSPROT;Acc:Q9Z1K6]	Within Intron 6 on opposite strand		
hsa-miR-194-1	2	1	ENSG00000067704	mitochondrial isoleucine tRNA synthetase [Source: RefSeq (NM_018060)]	Within Intron 9 on opposite strand		
hsa-miR-215	1	1	ENSG00000067704	mitochondrial isoleucine tRNA synthetase [Source: RefSeq (NM_018060)]	Within Intron 9 on opposite strand		
mmu-miR-194-1	2	1	ENSMUSG00000026618	SIMILAR TO MITOCHONDRIAL ISOLEUCINE TRNA SYNTHETASE [Source: SPTREMBL (Q8BIP3)]	Within Intron 10 on opposite strand		
mmu-miR-215	1	1	ENSMUSG00000026618	SIMILAR TO MITOCHONDRIAL ISOLEUCINE TRNA SYNTHETASE [Source: SPTREMBL (Q8BIP3)]	Within Intron 10 on opposite strand		

hsa-miR-196-1	4	17	HOXB6/17_47186052 NCBI AceView	HOMEOBOX PROTEIN HOX-B6 (HOX-2B) (HOX-2.2) (HU-2). [Source: SWISSPROT (P17509)]	Within Intron 1		
mmu-miR-196-1	4	11			undefined		
hsa-miR-196-2	4	12	ENSESTG00000013465/ ENSG00000170338	HOMEOBOX PROTEIN HOX-C6 (HOX-3C) (HHO.C8) (CP25). [Source: SWISSPROT (P09630)]	Within Intron 1		
mmu-miR-196-2	4	15			undefined		
hsa-miR-199a-1	3	19	ENSG00000079805	DYNAMIN 2 (EC 3.6.1.50). DNM2 [Source:SWISSPROT;Acc:P50570]	Within Intron 14 on opposite strand	Ubiquitously expressed	SWISSPROT
hsa-miR-199a*-1	2	19	ENSG00000079805	DYNAMIN 2 (EC 3.6.1.50). DNM2 [Source:SWISSPROT;Acc:P50570]	Within Intron 14 on opposite strand	Ubiquitously expressed	SWISSPROT
mmu-miR-199a-1	3	9	ENSMUSG00000032182	Novel Protein	Within Intron 10		
mmu-miR-199a*-1	2	9	ENSMUSG00000032182	Novel Protein	Within Intron 10		
mmu-miR-199a-1	3	9	ENSMUSG00000033335	DYNAMIN 2 (EC 3.6.1.50) (DYNAMIN UDNM). DYN2_MOUSE [Source:SWISSPROT;Acc:P39054]	Within Intron 5 on opposite strand	Ubiquitously expressed	SWISSPROT
mmu-miR-199a*-1	2	9	ENSMUSG00000033335	DYNAMIN 2 (EC 3.6.1.50) (DYNAMIN UDNM). DYN2_MOUSE [Source:SWISSPROT;Acc:P39054]	Within Intron 5 on opposite strand	Ubiquitously expressed	SWISSPROT
hsa-miR-199b	3	9	GOLGA2/9_126414324 NCBI AceView	GOLGI AUTOANTIGEN, GOLGIN SUBFAMILY A MEMBER 2 (GOLGI MATRIX PROTEIN GM130) (GM130 AUTOANTIGEN) (GOLGIN-95). GOLGA2 [Source: SWISSPROT (Q08379)]	Within Last Intron	Expressed in many tissues. High expression in pituitary gland	Affy U95A: 35436_at
hsa-miR-199b	3	9	ENSG00000106976	Dynamin-1 (SwissProt: DNM1)	Within Intron 14 on opposite strand	Expressed in many tissues. High expression in brain	SWISSPROT
mmu-miR-199b	3	2	ENSMUSG00000026825	DYNAMIN-1 (EC 3.6.1.50). DYN1_MOUSE [Source:SWISSPROT;Acc:P39053]	Within Intron 14 on opposite strand	Enriched expression in brain	SWISSPROT
hsa-miR-200a	3	1			undefined		
hsa-miR-200b	3	1			undefined		
mmu-miR-200a	3	4	ENSMUSG00000029074/E NSMUSESTG00000026542	Novel Protein	Within Intron 1		

mmu-miR-200b	3	4	ENSMUSG00000029074/ENSMUSESTG00000026542	Novel Protein	Within Intron 1		
hsa-miR-204	1	9	ENSG00000083067	LONG TRANSIENT RECEPTOR POTENTIAL CHANNEL 3 (LTRPC3) (FRAGMENT). TRPM3 [Source:SWISSPROT;Acc:Q9HCF6]	Within Intron 4	Expressed primarily in kidney and, at lesser levels, in brain, testis, and spinal cord.	Lee N, Chen J, Sun L, Wu S, Gray KR, Rich A, Huang M, Lin JH, Feder JN, Janovitz EB, Levesque PC, Blanar MA. Expression and characterization of human transient receptor potential melastatin 3 (hTRPM3). J Biol Chem. 2003 Jun 6;278(23):20890-7
mmu-miR-204	1	19	ENSMUSG00000024763	LONG TRANSIENT RECEPTOR POTENTIAL CHANNEL 3 (LTRPC3) MELASTATIN 3 (FRAGMENT). [Source:SPTREMBL;Acc:Q8BKI1]	Wihin Intron 6		
mmu-miR-204	1	19	ENSMUSESTG00000003701	Possible mlncRNA	Within Intron 1 on opposite strand		
hsa-miR-207 does not appear conserved but another putative miR hairpin closeby							
mmu-miR-207	1	4	ENSMUSG00000028410	DNAJ HOMOLOG SUBFAMILY A MEMBER 1 (HEAT SHOCK 40 KDA PROTEIN 4) (DNAJ PROTEIN HOMOLOG 2) (HSJ-2). DJA1_MOUSE [Source:SWISSPROT;Acc:P54102]	Within Intron 1	Enriched in in the ovary and brain. Moderately expressed in many tissues	Affy U95A: 97261_at
hsa-miR-208	1	14	OTTHUMG00000028753/ENSG00000166094	MYOSIN HEAVY CHAIN, CARDIAC MUSCLE ALPHA ISOFORM (MYHC-ALPHA). MYH6 [Source:SWISSPROT;Acc:P13533]	Within Intron 28	Expressed in adult heart	SWISSPROT
mmu-miR-208	1	14	ENSMUSG00000040752	MYOSIN HEAVY CHAIN, CARDIAC MUSCLE ALPHA ISOFORM (MYHC-ALPHA). MYH6_MOUSE [Source:SWISSPROT;Acc:Q02566]	Within Intron 29	Expressed in adult heart	SWISSPROT
hsa-miR-210	1	11	11_558471/sneemar Aceview	Novel Protein	Within Intron 1	Expressed at high levels	Aceview/Acembly
mmu-miR-210 does not appear conserved							

hsa-miR-211	1	15	ENSG00000134160	TRANSIENT RECEPTOR POTENTIAL CATION CHANNEL, SUBFAMILY M, MEMBER 1; MELASTATIN 1. TRPM1 [Source:RefSeq;Acc:NM_002420]	Within Intron 3		
mmu-miR-211	1	7	ENSMUSG00000030523	MELASTATIN 1 HOMOLOG. [Source:SPTREMBL;Acc:Q8BJ11]	Within Intron 6	Expression in melanoma cells is inversely proportional to metastatic rates of melanomas (high expression in poorly metastatic melanomas and low expression in highly metastatic melanomas	Duncan LM, Deeds J, Hunter J, Shao J, Holmgren LM, Woolf EA, Tepper RI, Shyjan AW. Down-regulation of the novel gene melastatin correlates with potential for melanoma metastasis. Cancer Res. 1998 Apr 1;58(7):1515-20
hsa-miR-218-1	2	4	ENSG00000145147	SLIT HOMOLOG 2 PROTEIN PRECURSOR (H-SLIT-2). SLIT2 [Source:SWISSPROT;Acc:O94813]	Within Intron 15	Fetal lung and kidney, and adult spinal cord. Weak expression in adult adrenal gland, thyroid, trachea	SWISSPROT
mmu-miR-218-1	2	5	20563 NCBI	SLIT2. [Source: SPTREMBL (Q9R1B9)]	Within Intron 5		
hsa-miR-218-2	2	5	ENSG00000184347	SLIT HOMOLOG 3; SLIT3 [Source:RefSeq;Acc:NM_003062]	Within Intron 14		
mmu-miR-218-2	2	11	20564 NCBI	SLIT-3 [Source: SPTREMBL [Source:RefSeq;Acc:NM_003062]	Within Intron		
hsa-miR-224	1	X	ENSG00000102287	GAMMA-AMINOBUTYRIC-ACID RECEPTOR EPSILON SUBUNIT PRECURSOR (GABA(A) RECEPTOR). GABRE [Source:SWISSPROT;Acc:P78334]	Within Intron 6	Major isoform expressed at high levels in regions of the brain and heart, but is not detected in most other major tissues	Davies PA, McCartney MR, Wang W, Hales TG, Kirkness EF. Alternative transcripts of the GABA(A) receptor epsilon subunit in human and rat. Neuropharmacology. 2002 Sep;43(4):467-75
mmu-miR-224	1	X	ENSMUSG00000031340	GAMMA-AMINOBUTYRIC ACID (GABA-A) RECEPTOR, SUBUNIT EPSILON. GABRE [Source:RefSeq;Acc:NM_017369]	Within Intron 6		

hsa-miR-301	1	17	ENSG00000182628	Novel Protein [Source:RefSeq;Acc:NM_182620]	Within Intron 1		
mmu-miR-301	1	11	ENSMUSG00000020492	Novel Protein [Source:RefSeq;Acc:NM_182620]	Within Intron 1		
mmu-miR-301	1	11	E130019A22 RIKEN	FANTOM2 mlncRNA	miRNA precursor maps close to this mlncRNA		
hsa-miR-320	1	8	ENSG00000168495/ POLR3D/8_22123470 NCBI AceView	DNA-DIRECTED RNA POLYMERASE III 47 KDA POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE C SUBUNIT 4) (RPC4) (RPC53) (BN51 PROTEIN). POLR3D [Source: SWISSPROT (P05423)]	Within Intron 1	Expressed at high levels	Aceview/Acembly
mmu-miR-320	1	14			undefined		
hsa-miR-326	1	11	ENSG00000137486	BETA-ARRESTIN 1 (ARRESTIN, BETA 1). ARRB1 [Source: SWISSPROT (P49407)]	Within Intron 1	Expressed in many tissues. Highly expressed in brain and peripheral blood leukocytes.	Parruti G, Peracchia F, Sallese M, Ambrosini G, Masini M, Rotilio D, De Blasi A. Molecular analysis of human beta-arrestin-1: cloning, tissue distribution, and regulation of expression. Identification of two isoforms generated by alternative splicing. J Biol Chem. 1993 May 5;268(13):9753-61
mmu-miR-326	1	7	ENSMUSG00000018909/E NSMUSESTG00000016049 MBuild30	ARRESTIN, BETA 1 ISOFORM B. Arrb1 [Source: RefSeq (NM_178220)]	Within Intron 1		
hsa-miR-328	1	16	ENSG00000102890	ENGULFMENT AND CELL MOTILITY PROTEIN 3. ELMO3 [Source: SWISSPROT (Q96BJ8)]	Within Intron 12 on opposite strand		
mmu-miR-328	1	8	ENSMUSG00000014791	ENGULFMENT AND CELL MOTILITY PROTEIN 3. ELM3_MOUSE [Source:SWISSPROT;Acc:Q8BYZ7]	Within Intron 13 on opposite strand		
hsa-miR-335	1	7	ENSG00000106484	MESODERM SPECIFIC TRANSCRIPT ISOFORM A; PATERNALLY EXPRESSED GENE 1. MEST [Source: RefSeq (NM_002402)]	Within Intron 2		
hsa-miR-335	1	7	ENSESTG00000017901	Possible mlncRNA	Within Intron 1 on opposite strand		

mmu-miR-335	1	6	ENSMUSG00000051855	MESODERM SPECIFIC TRANSCRIPT ISOFORM A; PATERNALLY EXPRESSED GENE 1. Mest [Source: RefSeq (NM_008590)]	Within Intron 1	Expressed in embryonic and extra-embryonic mesoderm during gastrulation. Subsequently expressed in mesodermal derivates and areas of the brain. Only the paternally inherited allele is expressed.	Kaneko-Ishino T, Kuroiwa Y, Miyoshi N, Kohda T, Suzuki R, Yokoyama M, Viville S, Barton SC, Ishino F, Surani MA. Peg1/Mest imprinted gene on chromosome 6 identified by cDNA subtraction hybridization. Nat Genet. 1995 Sep;11(1):52-9
hsa-miR-338	1	17	ENSG00000181409	APOPTOSIS-ASSOCIATED TYROSINE KINASE. AATK [Source:RefSeq;Acc:NM_007377]	Within Intron 5		
mmu-miR-338	1	11	ENSMUSG00000025375	APOPTOSIS-ASSOCIATED TYROSINE KINASE. Aatk [Source:RefSeq;Acc:NM_007377]	Within Intron 7	Expressed primarily in brain with much lower expression in lung and muscle.	Tomomura M, Fernandez-Gonzales A, Yano R, Yuzaki M. Characterization of the apoptosis-associated tyrosine kinase (AATYK) expressed in the CNS. Oncogene. 2001 Mar 1;20(9):1022-32
hsa-miR-339	1	7	OTTHUMG00000023642	Novel Protein (MGC11257)	Within Intron 2 on opposite strand		
mmu-miR-339	1	5	ENSMUSG00000029533	ARSENITE INDUCIBLE RNA ASSOCIATED PROTEIN. (AIRAP) AA407930 [Source:RefSeq;Acc:NM_133349]	Within Intron 1	Expression induced by Arsenite in cells	Sok J, Calfon M, Lu J, Lichtlen P, Clark SG, Ron D. Arsenite-inducible RNA-associated protein (AIRAP) protects cells from arsenite toxicity. Cell Stress Chaperones. 2001 Jan;6(1):6-15
mmu-miR-339	1	5	ENSMUSG00000036756	CHEMOKINE RECEPTOR-LIKE 2. (Gpr30) [Source:SPTREMBL;Acc:Q8BMP4]	Within Intron 1 on opposite strand		
hsa-miR-340	1	5	ENSG00000113269	RING FINGER PROTEIN 130; GOLIATH PROTEIN; G1-RELATED ZINC FINGER PROTEIN. RNF130 [Source: RefSeq (NM_018434)]	Within Intron 2		

mmu-miR-340	1	11	ENSMUSG00000020376	RING FINGER PROTEIN 130; G1-RELATED ZINC FINGER PROTEIN. Rnf130 [Source:RefSeq;Acc:NM_021540]	Within Intron 2	Highly expressed in liver. Lesser expression in lung, spleen, brain, heart, kidney, and testis.	Baker SJ, Reddy EP. Cloning of murine G1RP, a novel gene related to Drosophila melanogaster g1. Gene. 2000 May 2;248(1-2):33-40
hsa-miR-342	1	14	OTTHUMG00000029003/ENSG00000089465	ENA/VASODILATOR STIMULATED PHOSPHOPROTEIN-LIKE PROTEIN (ENA/VASP-LIKE PROTEIN). EVL [Source: SWISSPROT (Q9UI08)]	Within Intron 3		
mmu-miR-342	1	12	ENSMUSG00000021262	ENA/VASODILATOR STIMULATED PHOSPHOPROTEIN-LIKE PROTEIN (ENA/VASP-LIKE PROTEIN). EVL_MOUSE [Source:SWISSPROT;Acc:P70429]	Within Intron 3	Rat EVL homolog expressed in adult brain, thymus, lung, spleen, testes	Ohta S, Mineta T, Kimoto M, Tabuchi K. Differential display cloning of a novel rat cDNA (RNB6) that shows high expression in the neonatal brain revealed a member of Ena/VASP family. Biochem Biophys Res Commun. 1997 Aug 18;237(2):307-12
hsa-miR-346	1	10	OTTHUMG00000018650/ENSG00000182771	SIMILAR TO GLUTAMATE RECEPTOR, IONOTROPIC, DELTA 1. GRID1 [Source: SPTREMBL (Q8IXT3)]	Within Intron 2		
mmu-miR-346	1	14	Grid1 NCBI	GLUTAMATE RECEPTOR, IONOTROPIC, DELTA 1. GRID1 [Source: RefSeq (NM_008166)]	Within Intron 1	Highest expression in brain, placenta, and thyroid. Slight expression in heart, ovary, large intestine	Affy U74A: 94619_at
hsa-miR-350	1	1	ENSG00000143702	KARP-1-BINDING PROTEIN. [Source: RefSeq (NM_014812)]	Within Intron 6		
mmu-miR-350	1	1	ENSMUSG00000026506	KARP-1-BINDING PROTEIN. [Source: RefSeq (NM_014812)]	Within Intron 3	Specifically expressed in brain and thymus in rat	Do E, et al.. Molecular cloning and characterization of rKAB1, which interacts with KARP-1, localizes in the nucleus and protects cells against oxidative death. Mol Cell Biochem. 2003 Jun;248(1-2):77-83