

List of human and mouse pre-miRNAs included in our study as representative of transcriptional units (TUs).

In this file we report the list of human and mouse pre-miRNAs, and relative annotations, used in our study as the
representative of transcriptional units (TU), defined in Landraf et al, 2007. For each TU, this consist in the
most-5' pre-miRNA belonging to it. Only pre-miRNA conserved between human and mouse are considered.

File is TAB delimited and columns are:
col. 0: Transcription unit
col. 1: Ensembl miRNA precursor id
col. 2: miRNA precursor id
col. 3: Chromosome
col. 4: Orientation
col. 5: Precursor start
col. 6: Precursor end
col. 7: Numerical suffix (multiple genic relationships) otherwise '-'
col. 8: Containing gene
col. 9: Genic relationship description
col. 10: Ensembl ortholog miRNA precursor id
col. 11: Ortholog miRNA precursor id
col. 12: Ortholog's chromosome
col. 13: Ortholog's strand
col. 14: Ortholog's start
col. 15: Ortholog's end

A plain text ASCII version of this file is available at: <http://personalpages.to.infn.it/~cora/circuits/index.html>

The file is divided in two sections. The first one is for human miRNAs whilst the second one is for mouse miRNAs.

section for human pre-miRNA

cluster-hsa-mir-29a(2)	ENSG00000198981	hsa-mir-29a	7	-	130212046	130212109	-	Non_Genic	ENSMUSG00000065610	mmu-mir-29a	6	-	30992823	30992910				
cluster-hsa-mir-150(1)	ENSG00000207782	hsa-mir-150	19	-	54695853	54695937	-	Exon_Oppstrand	ENSMUSG00000065495	mmu-mir-150	7	+			44989799	44989863		
cluster-hsa-mir-191(2)	ENSG00000199032	hsa-mir-425	3	-	49032584	49032671	-	UTR_Samestrand	ENSMUSG00000065579	mmu-mir-425	9	+			108426880	108426964		
cluster-hsa-mir-144(2)	ENSG00000207618	hsa-mir-144	17	-	24212677	24212762	-	Non_Genic	ENSMUSG00000065401	mmu-mir-144	11	+	77889200	77889265				
cluster-hsa-mir-100(3)	ENSG00000207994	hsa-mir-100	11	-	121528147	121528226	-	Non_Genic	ENSMUSG00000065576	mmu-mir-100	9	+	41282494	41282573				
cluster-hsa-mir-218-2(2)	ENSG00000207739	hsa-mir-218-2	5	-	168127728	168127838	-	Intron_Samestrand	ENSMUSG00000065583	mmu-mir-218-2	11	+			35460238	35460348		
cluster-hsa-mir-101-1(1)	ENSG00000199135	hsa-mir-101-1	1	-	65296705	65296779	-	Non_Genic	ENSMUSG00000065451	mmu-mir-101a	4	-	100844877	100844959				
cluster-hsa-mir-99a(3)	ENSG00000207638	hsa-mir-99a	21	+	16833279	16833360	-	UTR_Samestrand	ENSMUSG00000065530	mmu-mir-99a	16	+			77481528	77481592		
cluster-hsa-mir-140(1)	ENSG00000208017	hsa-mir-140	16	+	68524484	68524584	-	Intron_Samestrand	ENSMUSG00000065439	mmu-mir-140	8	+			110440372	110440442		
cluster-hsa-mir-10a(1)	ENSG00000207777	hsa-mir-10a	17	-	44012199	44012308	-	Non_Genic	ENSMUSG00000065519	mmu-mir-10a	11	+	96133255	96133364				
cluster-hsa-mir-135a-2(1)	ENSG00000207586	hsa-mir-135a-2	12	+	96481721	96481820	-	Non_Genic	ENSMUSG00000065524	mmu-mir-135a-2	10	-	91501885	91501984				
cluster-hsa-mir-326(1)	ENSG00000199090	hsa-mir-326	11	-	74723783	74723878	-	Intron_Samestrand	ENSMUSG00000065571	mmu-mir-326	7	+			99426351	99426446		
cluster-hsa-mir-339(1)	ENSG00000199023	hsa-mir-339	7	-	1029094	1029188	-	Intron_Samestrand	ENSMUSG00000065593	mmu-mir-339	5	-			139623291	139623387		
cluster-hsa-mir-342(1)	ENSG00000199082	hsa-mir-342	14	+	99645744	99645843	-	Intron_Samestrand	ENSMUSG00000065436	mmu-mir-342	12	+			109106426	109106525		
cluster-hsa-mir-9-1(1)	ENSG00000207933	hsa-mir-9-1	1	-	154656756	154656845	-	Intron_Samestrand	ENSMUSG00000065504	mmu-mir-9-1	3	+			88301525	88301613		
cluster-hsa-mir-143(2)	ENSG00000208035	hsa-mir-143	5	+	148788674	148788779	-	Non_Genic	ENSMUSG00000065445	mmu-mir-143	18	-	61774565	61774627				
cluster-hsa-mir-592(1)	ENSG00000207692	hsa-mir-592	7	-	126485377	126485474	-	Intron_Samestrand	ENSMUSG00000070667	mmu-mir-592	6	-			27886664	27886760		
cluster-hsa-mir-15a(2)	ENSG00000207718	hsa-mir-15a	13	-	49521256	49521338	-	Non_Genic	ENSMUSG00000065459	mmu-mir-15a	14	-	60586137	60586220				
cluster-hsa-mir-505(1)	ENSG00000207633	hsa-mir-505	X	-	138833973	138834056	-	Non_Genic	ENSMUSG00000070081	mmu-mir-505	X	-	56741072	56741162				
cluster-hsa-mir-155(1)	ENSG00000207795	hsa-mir-155	21	+	25868163	25868227	-	Non_Genic	ENSMUSG00000065397	mmu-mir-155	16	+	84596732	84596796				
cluster-hsa-mir-34b(2)	ENSG00000207811	hsa-mir-34b	11	+	110888873	110888956	-	Non_Genic	ENSMUSG00000065492	mmu-mir-34b	9	-	50855792	50855875				
cluster-hsa-mir-320(1)	ENSG00000208037	hsa-mir-320	8	-	22158420	22158501	-	Non_Genic	ENSMUSG00000065528	mmu-mir-320	14	+	69178590	69178671				
cluster-hsa-mir-134(37)	ENSG00000199088	hsa-mir-379	14	+	100558156	100558222	-	Non_Genic	ENSMUSG00000065498	mmu-mir-379	12	+	110156867	110156932				
cluster-hsa-mir-29b-2(2)	ENSG00000207790	hsa-mir-29b-2	1	-	206042411	206042491	-	Non_Genic	ENSMUSG00000065412	mmu-mir-29b-2	1	+	196737764	196737844				
cluster-hsa-mir-101-2(1)	ENSG00000199065	hsa-mir-101-2	9	+	4840296	4840375	-	Intron_Samestrand	ENSMUSG00000065556	mmu-mir-101b	19	+			29201275	29201372		
cluster-hsa-mir-10b(1)	ENSG00000207744	hsa-mir-10b	2	+	176723277	176723386	-	Non_Genic	ENSMUSG00000065500	mmu-mir-10b	2	+	74526908	74526976				
cluster-hsa-mir-142(1)	ENSG00000207567	hsa-mir-142	17	-	53763592	53763678	-	Non_Genic	ENSMUSG00000065420	mmu-mir-142	11	+	87573059	87573122				
cluster-hsa-mir-455(1)	ENSG00000207726	hsa-mir-455	9	+	116011534	116011630	-	Intron_Samestrand	ENSMUSG00000070102	mmu-mir-455	4	+			62743211	62743293		
cluster-hsa-mir-484(1)	ENSG00000202641	hsa-mir-484	16	+	15644652	15644730	-	Non_Genic	ENSMUSG00000070074	mmu-mir-484	16	+	14073203	14073270				
cluster-hsa-mir-338(2)	ENSG00000211563	hsa-mir-338	17	-	76714277	76714344	-	Intron_Samestrand	ENSMUSG00000065600	mmu-mir-338	11	-			119830854	119830952		
cluster-hsa-mir-340(1)	ENSG00000198995	hsa-mir-340	5	-	179374908	179375003	-	Intron_Samestrand	ENSMUSG00000065417	mmu-mir-340	11	+	49913124	49913222				
cluster-hsa-mir-126(1)	ENSG00000199161	hsa-mir-126	9	+	138684874	138684959	-	Intron_Samestrand	ENSMUSG00000065540	mmu-mir-126	2	+	26413365	26413438				
cluster-hsa-mir-490(1)	ENSG00000207597	hsa-mir-490	7	+	136238453	136238581	-	UTR_Samestrand	ENSMUSG00000070075	mmu-mir-490	6	+	36351894	36351977				
cluster-hsa-mir-200a(3)	ENSG00000207730	hsa-mir-200b	1	+	1092347	1092441	-	Non_Genic	ENSMUSG00000065549	mmu-mir-200b	4	-	154899480	154899550				
cluster-hsa-mir-216a(3)	ENSG00000207548	hsa-mir-217	2	-	56063606	56063715	-	Non_Genic	ENSMUSG00000065415	mmu-mir-217	11	+	28663728	28663835				
cluster-hsa-mir-211(1)	ENSG00000207702	hsa-mir-211	15	-	29144526	29144636	-	Intron_Samestrand	ENSMUSG00000065585	mmu-mir-211	7	+	64084755	64084861				
cluster-hsa-mir-208(2)	ENSG00000199157	hsa-mir-208	14	-	22927644	22927715	-	Intron_Samestrand	ENSMUSG00000065432	mmu-mir-208	14	-	53903268	53903351				
cluster-hsa-mir-186(1)	ENSG00000207721	hsa-mir-186	1	-	71305901	71305987	-	Intron_Samestrand	ENSMUSG00000065431	mmu-mir-186	3	+	157479571	157479642				
cluster-hsa-mir-331(1)	ENSG00000199172	hsa-mir-331	12	+	94226327	94226420	-	Non_Genic	ENSMUSG00000065607	mmu-mir-331	10	-	93393567	93393662				
cluster-hsa-mir-138-2(1)	ENSG00000207649	hsa-mir-138-2	16	+	55449931	55450014	-	Non_Genic	ENSMUSG00000065512	mmu-mir-138-2	8	+	97213440	97213510				
cluster-hsa-mir-196a-1(1)	ENSG00000210741	hsa-mir-196a-1	17	-	44064851	44064920	-	Non_Genic	ENSMUSG00000065546	mmu-mir-196a-1	11	+	96081254	96081355				
cluster-hsa-mir-129-2(1)	ENSG00000199077	hsa-mir-129-2	11	+	43559520	43559609	-	Non_Genic	ENSMUSG00000065511	mmu-mir-129-2	2	-	94042203	94042292				
cluster-hsa-mir-449a(2)	ENSG00000207728	hsa-mir-449b	5	-	54502230	54502327	-	Intron_Samestrand	ENSMUSG00000076146	mmu-mir-449b	13	+			114156861	114156969		
cluster-hsa-mir-99b(3)	ENSG00000207550	hsa-mir-99b	19	+	56887677	56887746	-	Non_Genic	ENSMUSG00000065396	mmu-mir-99b	17	+	17534806	17534875				
cluster-hsa-mir-28(1)	ENSG00000207651	hsa-mir-28	3	+	189889262	189889348	-	Intron_Samestrand	ENSMUSG00000065494	mmu-mir-28	16	+	24743203	24743289				
cluster-hsa-mir-205(1)	ENSG00000207623	hsa-mir-205	1	+	207672100	207672210	-	UTR_Samestrand	ENSMUSG00000065533	mmu-mir-205	1	+	195208187	195208254				
cluster-hsa-mir-199a-1(1)	ENSG00000207752	hsa-mir-199a-1	19	-	10789101	10789172	-	UTR_Oppstrand	ENSMUSG00000065547	mmu-mir-199a-1	9	-	21246896	21246966				
cluster-hsa-mir-551b(1)	ENSG00000207717	hsa-mir-551b	3	+	169752336	169752431	-	Non_Genic	ENSMUSG00000076120	mmu-mir-551b	3	+	29607895	29607993				
cluster-hsa-mir-423(1)	ENSG00000199071	hsa-mir-423	17	+	25468222	25468316	-	Intron_Samestrand	ENSMUSG00000065518	mmu-mir-423	11	-			76894259	76894367		
cluster-hsa-mir-193a(2)	ENSG00000207614	hsa-mir-193a	17	+	26911128	26911215	-	Non_Genic	ENSMUSG00000065395	mmu-mir-193	11	+	79528164	79528229				
cluster-hsa-mir-223(1)	ENSG00000207939	hsa-mir-223	X	+	65155437	65155546	-	Non_Genic	ENSMUSG00000076066	mmu-mir-223	X	+	92445535	92445645				
cluster-hsa-mir-219-1(1)	ENSG00000199036	hsa-mir-219-1	6	+	33283590	33283699	-	Non_Genic	ENSMUSG00000065555	mmu-mir-219-1	17	-	33635437	33635546				
cluster-hsa-mir-194-1(2)	ENSG00000207624	hsa-mir-194-1	1	-	218358121	218358206	-	Intron_Oppstrand	ENSMUSG00000065581	mmu-mir-194-1	1	+			187014106	187014173		
cluster-hsa-mir-345(1)	ENSG00000198984	hsa-mir-345	14	+	99843949	99844046	-	Non_Genic	ENSMUSG00000065429	mmu-mir-345	12	+	109284780	109284875				
cluster-hsa-mir-130b(2)	ENSG00000207751	hsa-mir-130b	22	+	20337593	20337674	-	Non_Genic	ENSMUSG00000065572	mmu-mir-130b	16	-	17037623	17037705				
cluster-hsa-mir-193b(2)	ENSG00000199130	hsa-mir-365-1	16	+	14310643	14310729	-	Non_Genic	ENSMUSG00000065449	mmu-mir-365-1	16	+	13367418	13367504				
cluster-hsa-mir-483(1)	ENSG00000207805	hsa-mir-483	11	-	2111939	2112015	-	Intron_Samestrand	ENSMUSG00000070140	mmu-mir-483	7	-			142464313	142464386		
cluster-hsa-mir-302a(5)	ENSG00000199058	hsa-mir-302b	4	-	113789089	113789162	-	UTR_Oppstrand	ENSMUSG00000076252	mmu-mir-302b	3	+	127537250	127537323				
cluster-hsa-mir-204(1)	ENSG00000207935	hsa-mir-204	9	-	72614710	72614820	-	Intron_Samestrand	ENSMUSG00000065507	mmu-mir-204	19	+	22817701	22817769				
cluster-hsa-mir-488(1)	ENSG00000202609	hsa-mir-488	1	-	175265121	175265204	-	Intron_Samestrand	ENSMUSG00000070103	mmu-mir-488	1	+	160342301	160342410				
cluster-hsa-mir-499(1)	ENSG00000207635	hsa-mir-499	20	+	33041839	33041961	-	Intron_Samestrand	ENSMUSG00000076312	mmu-mir-499	2	+	155314320	155314399				
cluster-hsa-mir-149(1)	ENSG00000207611	hsa-mir-149	2	+	241044090	241044179	-	Intron_Samestrand	ENSMUS									

cluster-hsa-mir-346(1)	ENSG00000199104	hsa-mir-346	10	-	88014430	88014525	-	ENSG00000182771	Intron Samestrand	ENSMUSG00000065481	mmu-mir-346	14	+	33723700	33723798
cluster-hsa-mir-328(1)	ENSG000000207948	hsa-mir-328	16	-	65793724	65793799	-	ENSG00000102890	Intron Oppstrand	ENSMUSG00000070130	mmu-mir-328	8	-	108197492	108197589
cluster-hsa-mir-151(1)	ENSG000000207792	hsa-mir-151	8	-	141811844	141811934	-	ENSG00000169398	Intron Samestrand	ENSMUSG00000065612	mmu-mir-151	15	-	73082070	73082138
cluster-hsa-mir-671(1)	ENSG000000211517	hsa-mir-671	7	+	150566439	150566557	-	ENSG00000033100	Intron Samestrand	ENSMUSG00000076387	mmu-mir-671	5	+	24102178	24102276
cluster-hsa-mir-491(1)	ENSG000000207609	hsa-mir-491	9	+	20706103	20706187	-	ENSG00000188352	Intron Samestrand	ENSMUSG00000070077	mmu-mir-491	4	+	87593270	87593356
cluster-hsa-mir-192(2)	ENSG000000207596	hsa-mir-194-2	11	-	64415403	64415487	-	Non_Genic	ENSMUSG00000065582	mmu-mir-194-2	19	+	6264643	6264728	
cluster-hsa-mir-181c(2)	ENSG000000207585	hsa-mir-181d	19	+	13846689	13846825	-	Non_Genic	ENSMUSG00000076338	mmu-mir-181d	8	-	87068821	87068892	
cluster-hsa-mir-378(1)	ENSG00000199047	hsa-mir-378	5	+	149092580	149092646	-	ENSG00000155846	Intron Samestrand	ENSMUSG00000065535	mmu-mir-378	18	-	61523203	61523269
cluster-hsa-mir-199b(1)	ENSG000000207581	hsa-mir-199b	9	-	130046820	130046930	-	ENSG00000106976	Intron Oppstrand	ENSMUSG00000065554	mmu-mir-199b	2	+	32140468	32140578
cluster-hsa-mir-325(2)	ENSG000000207995	hsa-mir-325	X	-	76142220	76142317	-	Non_Genic	ENSMUSG00000065425	mmu-mir-325	X	-	101581801	101581898	
cluster-hsa-mir-30b(2)	ENSG00000199153	hsa-mir-30d	8	-	135886301	135886370	-	Non_Genic	ENSMUSG00000065437	mmu-mir-30d	15	-	68170877	68170958	
cluster-hsa-let-7a-1(3)	ENSG00000199165	hsa-let-7a-1	9	+	95978060	95978139	-	Non_Genic	ENSMUSG00000065421	mmu-let-7a-1	13	-	48550116	48550209	
cluster-hsa-mir-32(1)	ENSG000000207698	hsa-mir-32	9	-	110848329	110848399	-	ENSG00000106771	Intron Samestrand	ENSMUSG00000065544	mmu-mir-32	4	-	56989283	56989352
cluster-hsa-mir-26b(1)	ENSG00000199121	hsa-mir-26b	2	+	218975612	218975689	-	ENSG00000144579	Intron Samestrand	ENSMUSG00000065468	mmu-mir-26b	1	+	74327516	74327601
cluster-hsa-mir-335(1)	ENSG00000199043	hsa-mir-335	7	+	129923187	129923281	-	ENSG00000106484	Intron Samestrand	ENSMUSG00000065501	mmu-mir-335	6	+	30691308	30691406
cluster-hsa-mir-129-1(1)	ENSG000000207705	hsa-mir-129-1	7	+	127635161	127635232	-	Non_Genic	ENSMUSG00000065469	mmu-mir-129-1	6	+	28972629	28972701	
cluster-hsa-mir-184(1)	ENSG000000207695	hsa-mir-184	15	+	77289185	77289268	-	Non_Genic	ENSMUSG00000065596	mmu-mir-184	9	-	89600153	89600221	
cluster-hsa-mir-34a(1)	ENSG000000207865	hsa-mir-34a	1	-	9134423	9134423	-	Non_Genic	ENSMUSG00000065493	mmu-mir-34a	4	+	148912254	148912355	
cluster-hsa-mir-1-1(2)	ENSG00000199017	hsa-mir-1-1	20	+	60561957	60562028	-	ENSG00000174407	Intron Samestrand	ENSMUSG00000070144	mmu-mir-1-1	2	+	180318456	180318532
cluster-hsa-mir-135b(1)	ENSG00000199059	hsa-mir-135b	1	-	203684052	203684149	-	ENSG00000186007	UTR Samestrand	ENSMUSG00000065435	mmu-mir-135b	1	+	134025634	134025730
cluster-hsa-mir-7-3(1)	ENSG000000207630	hsa-mir-7-3	19	+	4721681	4721791	-	ENSG00000176840	Intron Samestrand	ENSMUSG00000065491	mmu-mir-7b	17	+	55876697	55876807
cluster-hsa-mir-152(1)	ENSG000000207947	hsa-mir-152	17	-	43469525	43469612	-	ENSG00000005243	Intron Samestrand	ENSMUSG00000065515	mmu-mir-152	11	+	96666482	96666555
cluster-hsa-mir-9-3(1)	ENSG000000207819	hsa-mir-9-3	15	+	87712252	87712341	-	Non_Genic	ENSMUSG00000065545	mmu-mir-9-3	7	+	79378777	79378866	
cluster-hsa-mir-96(3)	ENSG000000207691	hsa-mir-183	7	-	129201981	129202090	-	Non_Genic	ENSMUSG00000065619	mmu-mir-183	6	-	30119678	30119747	
cluster-hsa-mir-375(1)	ENSG00000198973	hsa-mir-375	2	-	219574611	219574674	-	Non_Genic	ENSMUSG00000065616	mmu-mir-375	1	-	74833865	74833928	
cluster-hsa-mir-141(2)	ENSG000000207713	hsa-mir-200c	12	+	6943123	6943190	-	Non_Genic	ENSMUSG00000065462	mmu-mir-200c	6	-	124683941	124684009	
cluster-hsa-mir-802(1)	ENSG00000211590	hsa-mir-802	21	+	36014883	36014976	-	Non_Genic	ENSMUSG00000076457	mmu-mir-802	16	+	93258260	93258356	
cluster-hsa-mir-15b(2)	ENSG00000198987	hsa-mir-16-2	3	+	161605226	161605307	-	ENSG00000113810	Intron Samestrand	ENSMUSG00000065606	mmu-mir-16-2	3	+	69097830	69097925
cluster-hsa-mir-148b(1)	ENSG00000199122	hsa-mir-148b	12	+	53017266	53017365	-	ENSG00000111481	Intron Samestrand	ENSMUSG00000065560	mmu-mir-148b	15	+	103113158	103113255
cluster-hsa-mir-330(1)	ENSG00000199066	hsa-mir-330	19	-	50834091	50834185	-	ENSG00000125746	Intron Samestrand	ENSMUSG00000065543	mmu-mir-330	7	+	18339986	18340084
cluster-hsa-mir-133b(2)	ENSG000000207604	hsa-mir-206	6	+	52117106	52117191	-	Non_Genic	ENSMUSG00000065559	mmu-mir-206	1	+	20664161	20664233	
cluster-hsa-mir-26a-2(1)	ENSG000000207789	hsa-mir-26a-2	12	-	56504658	56504742	-	ENSG00000175215	Intron Samestrand	ENSMUSG00000065430	mmu-mir-26a-2	10	+	126398479	126398562
cluster-hsa-mir-23a(3)	ENSG000000207980	hsa-mir-23a	19	-	13808401	13808473	-	Non_Genic	ENSMUSG00000065611	mmu-mir-23a	8	+	87098623	87098697	
cluster-hsa-mir-221(2)	ENSG000000207725	hsa-mir-222	X	-	45491365	45491474	-	Non_Genic	ENSMUSG00000065471	mmu-mir-222	X	-	18303852	18303930	
cluster-hsa-mir-146b(1)	ENSG000000202569	hsa-mir-146b	10	+	104186259	104186331	-	Non_Genic	ENSMUSG00000070127	mmu-mir-146b	19	+	46396073	46396181	
cluster-hsa-mir-103-2(1)	ENSG00000199024	hsa-mir-103-2	20	+	3846140	3846218	-	ENSG00000125779	Intron Samestrand	ENSMUSG00000065563	mmu-mir-103-2	2	+	130979492	130979578
cluster-hsa-mir-130a(1)	ENSG000000208009	hsa-mir-130a	11	+	57165247	57165335	-	Non_Genic	ENSMUSG00000065484	mmu-mir-130a	2	-	84541954	84542017	
cluster-hsa-mir-210(1)	ENSG00000199038	hsa-mir-210	11	-	558089	558198	-	Non_Genic	ENSMUSG00000065551	mmu-mir-210	7	-	141072704	141072813	
cluster-hsa-mir-18b(6)	ENSG000000207602	hsa-mir-106a	X	-	133131894	133131974	-	Non_Genic	ENSMUSG00000065456	mmu-mir-106a	X	-	48987130	48987194	
cluster-hsa-mir-30a(2)	ENSG000000207827	hsa-mir-30a	6	-	72169975	72170045	-	Non_Genic	ENSMUSG00000065405	mmu-mir-30a	1	+	23226544	23226614	
cluster-hsa-let-7a-3(2)	ENSG00000198986	hsa-let-7a-3	22	+	44887293	44887366	-	Non_Genic	ENSMUSG00000065608	mmu-let-7c-2	15	+	85534369	85534463	
cluster-hsa-mir-17(6)	ENSG000000207745	hsa-mir-17	13	+	90800860	90800943	-	Non_Genic	ENSMUSG00000065508	mmu-mir-17	14	+	113925508	113925591	
cluster-hsa-mir-489(2)	ENSG000000207656	hsa-mir-489	7	-	92951183	92951267	-	ENSG0000004948	Intron Samestrand	ENSMUSG00000070107	mmu-mir-489	6	-	3671896	3672003
cluster-hsa-mir-132(2)	ENSG000000207953	hsa-mir-212	17	-	1900315	1900424	-	Non_Genic	ENSMUSG00000065590	mmu-mir-212	11	+	74989583	74989673	
cluster-hsa-mir-21(1)	ENSG00000199004	hsa-mir-21	17	+	55273409	55273480	-	Non_Genic	ENSMUSG00000065455	mmu-mir-21	11	-	86400261	86400353	
cluster-hsa-mir-324(1)	ENSG00000199053	hsa-mir-324	17	-	7067339	7067422	-	ENSG00000072778	Intron Oppstrand	ENSMUSG00000065534	mmu-mir-324	11	+	69828237	69828326
cluster-hsa-mir-138-1(1)	ENSG000000207954	hsa-mir-138-1	3	+	44130708	44130806	-	Non_Genic	ENSMUSG00000065414	mmu-mir-138-1	9	+	122531574	122531672	
cluster-hsa-mir-219-2(1)	ENSG000000207955	hsa-mir-219-2	9	-	130194718	130194814	-	Non_Genic	ENSMUSG00000065485	mmu-mir-219-2	2	-	29667640	29667736	
cluster-hsa-mir-195(2)	ENSG000000207791	hsa-mir-497	17	-	6861954	6862065	-	Non_Genic	ENSMUSG00000070109	mmu-mir-497	11	+	70050912	70050995	
cluster-hsa-mir-203(1)	ENSG000000207568	hsa-mir-203	14	+	103653495	103653604	-	Non_Genic	ENSMUSG00000065574	mmu-mir-203	12	+	112578688	112578763	
cluster-hsa-mir-199a-2(2)	ENSG00000208024	hsa-mir-199a-2	1	-	170380297	170380407	-	ENSG00000197959	Intron Oppstrand	ENSMUSG00000070126	mmu-mir-199a-2	1	+	164054490	164054600
cluster-hsa-mir-127(10)	ENSG00000211574	hsa-mir-770	14	+	100388479	100388577	-	ENSG00000186316	UTR Samestrand	ENSMUSG00000076451	mmu-mir-770	12	+	110011499	110011592
cluster-hsa-mir-202(1)	ENSG00000199089	hsa-mir-202	10	-	134911006	134911115	-	Non_Genic	ENSMUSG00000065502	mmu-mir-202	7	-	139809009	139809080	

section for mouse pre-miRNA

cluster-mmu-mir-322(7)	ENSMUSG00000076122	mmu-mir-503	X	-	49298611	49298681	-	Non_Genic	ENSG00000208005	hsa-mir-503	X	-	133508024	133508094	
cluster-mmu-mir-10a(1)	ENSMUSG00000065519	mmu-mir-10a	11	+	96133255	96133364	-	Non_Genic	ENSG00000207777	hsa-mir-10a	17	-	44012199	44012308	
cluster-mmu-mir-205(1)	ENSMUSG00000065533	mmu-mir-205	1	-	195208187	195208254	-	Non_Genic	ENSG00000207623	hsa-mir-205	1	+	207672100	207672210	
cluster-mmu-mir-130b(2)	ENSMUSG00000065572	mmu-mir-130b	16	-	17037623	17037705	-	ENSMUSG00000049916	UTR Samestrand	ENSMUSG00000207751	hsa-mir-130b	22	+	20337593	20337674
cluster-mmu-mir-331(1)	ENSMUSG00000065607	mmu-mir-331	10	-	93393567	93393662	-	Non_Genic	ENSG00000199172	hsa-mir-331	12	+	94226327	94226420	
cluster-mmu-mir-103-2(1)	ENSMUSG00000065563	mmu-mir-103-2	2	+	130979492	130979578	-	ENSMUSG00000037514	Intron Samestrand	ENSMUSG0000199024	hsa-mir-103-2	20	+	3846140	3846218
cluster-mmu-mir-155(1)	ENSMUSG00000065397	mmu-mir-155	16	+	84596732	84596796	-	Non_Genic	ENSG00000207795	hsa-mir-155	21	+	25868163	25868227	
cluster-mmu-mir-202(1)	ENSMUSG00000065502	mmu-mir-202	7	-	139809009	139809080	-	Non_Genic	ENSG00000199089	hsa-mir-202	10	-	134911006	134911115	
cluster-mmu-mir-10b(1)	ENSMUSG														

cluster-mmu-mir-490 (1)	ENSMUSG00000070075	mmu-mir-490	6	+	36351894	36351977	-	-	Non_Genic	ENSG00000207597	hsa-mir-490	7	+	136238453	136238581			
cluster-mmu-mir-23a (3)	ENSMUSG00000065611	mmu-mir-23a	8	+	87098623	87098697	-	-	Non_Genic	ENSG00000207980	hsa-mir-23a	19	-	13808401	13808473			
cluster-mmu-mir-592 (1)	ENSMUSG00000076067	mmu-mir-592	6	-	27886664	27886760	-	-	ENSMUSG0000024211	Intron Samestrand	ENSG00000207692	hsa-mir-592	7	-	13808401	13808473	126485377	126485474
cluster-mmu-mir-144 (2)	ENSMUSG00000065401	mmu-mir-144	11	+	77889200	77889265	-	-	Non_Genic	ENSG00000207618	hsa-mir-144	17	-	24212677	24212762			
cluster-mmu-mir-181c (2)	ENSMUSG00000076338	mmu-mir-181d	8	-	87068821	87068892	-	-	Non_Genic	ENSG00000207585	hsa-mir-181d	19	+	13846689	13846825			
cluster-mmu-mir-488 (1)	ENSMUSG00000070103	mmu-mir-488	1	+	160342301	160342410	-	-	ENSMUSG0000026587	Intron Samestrand	ENSG00000202609	hsa-mir-488	1	-	-	-	175265121	175265204
cluster-mmu-mir-302a (5)	ENSMUSG00000076252	mmu-mir-302b	3	+	127537250	127537323	-	-	Non_Genic	ENSG00000199058	hsa-mir-302b	4	-	113789089	113789162			
cluster-mmu-mir-28 (1)	ENSMUSG00000065494	mmu-mir-28	16	+	24743203	24743289	-	-	ENSMUSG0000033306	Intron Samestrand	ENSG00000207651	hsa-mir-28	3	+	-	-	189889262	189889348
cluster-mmu-mir-149 (1)	ENSMUSG00000065470	mmu-mir-149	+	94680783	94680849	1	-	-	ENSMUSG0000034220	Intron Samestrand	ENSG00000207611	hsa-mir-149	2	+	-	-	241044090	241044179
cluster-mmu-mir-152 (1)	ENSMUSG00000065515	mmu-mir-152	11	+	96666482	96666555	-	-	ENSMUSG0000018672	Intron Samestrand	ENSG00000207947	hsa-mir-152	17	-	-	-	43469525	43469612
cluster-mmu-mir-296 (2)	ENSMUSG00000065521	mmu-mir-296	2	-	173909986	173910064	-	-	Non_Genic	ENSG00000207950	hsa-mir-296	20	-	56826065	56826144			
cluster-mmu-mir-449a (2)	ENSMUSG00000076146	mmu-mir-449b	13	+	114156861	114156969	-	-	Non_Genic	ENSG00000207728	hsa-mir-449b	5	-	54502230	54502327			
cluster-mmu-mir-499 (1)	ENSMUSG00000076312	mmu-mir-499	2	+	155314320	155314399	-	-	ENSMUSG00000074652	Intron Samestrand	ENSG00000207635	hsa-mir-499	20	+	-	-	33041839	33041961
cluster-mmu-mir-375 (1)	ENSMUSG00000065616	mmu-mir-375	1	-	74833865	74833928	-	-	Non_Genic	ENSG00000198973	hsa-mir-375	2	-	219574611	219574674			
cluster-mmu-mir-218-1 (1)	ENSMUSG00000065603	mmu-mir-218-1	5	+	48512189	48512299	-	-	ENSMUSG0000031558	Intron Samestrand	ENSG00000207732	hsa-mir-218-1	4	+	-	-	20138995	20139105
cluster-mmu-mir-15a (2)	ENSMUSG00000065459	mmu-mir-15a	14	-	60586137	60586220	-	-	Non_Genic	ENSG00000207718	hsa-mir-15a	13	-	49521256	49521338			
cluster-mmu-mir-99b (3)	ENSMUSG00000065396	mmu-mir-99b	17	+	17534806	17534875	-	-	Non_Genic	ENSG00000207550	hsa-mir-99b	19	+	56887677	56887746			
cluster-mmu-mir-219-2 (1)	ENSMUSG00000065485	mmu-mir-219-2	2	-	29667640	29667736	-	-	Non_Genic	ENSG00000207955	hsa-mir-219-2	9	-	130194718	130194814			
cluster-mmu-mir-191 (2)	ENSMUSG00000065579	mmu-mir-425	9	+	108426880	108426964	-	-	Non_Genic	ENSG00000199032	hsa-mir-425	3	-	49032584	49032671			
cluster-mmu-mir-21 (1)	ENSMUSG00000065455	mmu-mir-21	11	-	86400261	86400353	-	-	ENSMUSG00000018171	UTR Samestrand	ENSG00000199004	hsa-mir-21	17	+	-	-	55273409	55273480
cluster-mmu-mir-802 (1)	ENSMUSG00000076457	mmu-mir-802	16	+	93258260	93258356	-	-	Non_Genic	ENSG00000211590	hsa-mir-802	21	+	36014883	36014976			
cluster-mmu-mir-9-1 (1)	ENSMUSG00000065504	mmu-mir-9-1	3	+	88301525	88301613	-	-	Non_Genic	ENSG00000207933	hsa-mir-9-1	1	-	154656756	154656845			
cluster-mmu-mir-148a (1)	ENSMUSG00000065505	mmu-mir-148a	6	-	51199398	51199496	-	-	Non_Genic	ENSG00000199085	hsa-mir-148a	7	-	25956064	25956131			
cluster-mmu-mir-18b (6)	ENSMUSG00000065456	mmu-mir-106a	X	-	48987130	48987194	-	-	Non_Genic	ENSG00000207602	hsa-mir-106a	X	-	-	-	133131894	133131974	
cluster-mmu-mir-199b (1)	ENSMUSG00000065554	mmu-mir-199b	2	+	32140468	32140578	-	-	ENSMUSG00000026825	Intron Oppstrand	ENSG00000207581	hsa-mir-199b	9	-	-	-	130046820	130046930
cluster-mmu-mir-335 (1)	ENSMUSG00000065501	mmu-mir-335	6	+	30691308	30691406	-	-	ENSMUSG00000051855	Intron Samestrand	ENSG00000199043	hsa-mir-335	7	+	-	-	129923187	129923281
cluster-mmu-mir-345 (1)	ENSMUSG00000065429	mmu-mir-345	12	+	109284780	109284875	-	-	Non_Genic	ENSG00000198984	hsa-mir-345	14	+	99843949	99844046			
cluster-mmu-mir-30c-1 (2)	ENSMUSG00000065409	mmu-mir-30e	4	-	120270240	120270332	-	-	ENSMUSG00000032897	Intron Samestrand	ENSG00000198974	hsa-mir-30e	1	+	-	-	40992613	40992705
cluster-mmu-mir-378 (1)	ENSMUSG00000065323	mmu-mir-378	18	-	61523203	61523269	-	-	ENSMUSG00000033871	Intron Samestrand	ENSG00000199047	hsa-mir-378	5	+	-	-	149092580	149092646
cluster-mmu-mir-99a (3)	ENSMUSG00000065530	mmu-mir-99a	16	+	77481528	77481592	-	-	Non_Genic	ENSG00000207638	hsa-mir-99a	21	+	16833279	16833360			
cluster-mmu-mir-148b (1)	ENSMUSG00000065560	mmu-mir-148b	15	+	103113158	103113255	-	-	ENSMUSG00000060992	Intron Samestrand	ENSG00000199122	hsa-mir-148b	12	+	-	-	53017266	53017365
cluster-mmu-mir-101b (1)	ENSMUSG00000065556	mmu-mir-101b	19	+	29201275	29201372	-	-	ENSMUSG00000024785	Intron Samestrand	ENSG00000199065	hsa-mir-101-2	9	+	-	-	4840296	4840375
cluster-mmu-mir-219-1 (1)	ENSMUSG00000065555	mmu-mir-219-1	17	-	33635437	33635546	-	-	Non_Genic	ENSG00000199036	hsa-mir-219-1	6	+	33283590	33283699			
cluster-mmu-mir-15b (2)	ENSMUSG00000065606	mmu-mir-16-2	3	+	69097830	69097925	-	-	ENSMUSG00000034349	Intron Samestrand	ENSG00000198987	hsa-mir-16-2	3	+	-	-	161605226	161605307
cluster-mmu-mir-143 (2)	ENSMUSG00000065445	mmu-mir-143	18	-	61774565	61774627	-	-	Non_Genic	ENSG00000208035	hsa-mir-143	5	+	148788674	148788779			
cluster-mmu-mir-31 (1)	ENSMUSG00000065408	mmu-mir-31	4	-	88381788	88381893	-	-	Non_Genic	ENSG00000199177	hsa-mir-31	9	-	21502114	21502184			
cluster-mmu-mir-138-2 (1)	ENSMUSG00000065510	mmu-mir-138-2	8	+	97213440	97213510	-	-	Non_Genic	ENSG00000207649	hsa-mir-138-2	16	+	55449931	55450014			
cluster-mmu-mir-126 (1)	ENSMUSG00000065540	mmu-mir-126	2	+	26413365	26413438	-	-	ENSMUSG00000026921	Intron Samestrand	ENSG00000199161	hsa-mir-126	9	+	-	-	138684874	138684959
cluster-mmu-mir-132 (2)	ENSMUSG00000065590	mmu-mir-212	11	+	74989583	74989673	-	-	Non_Genic	ENSG00000207953	hsa-mir-212	17	-	1900315	1900424			
cluster-mmu-let-7a-1 (3)	ENSMUSG00000065421	mmu-let-7a-1	13	-	48550116	48550209	-	-	Non_Genic	ENSG00000199165	hsa-let-7a-1	9	+	95978060	95978139			
cluster-mmu-mir-325 (2)	ENSMUSG00000065425	mmu-mir-325	X	-	101581801	101581898	-	-	Non_Genic	ENSG00000207995	hsa-mir-325	X	-	-	-	76142220	76142317	
cluster-mmu-let-7b (2)	ENSMUSG00000065608	mmu-let-7c-2	15	+	85534369	85534463	-	-	Non_Genic	ENSG00000198986	hsa-let-7a-3	22	+	44887293	44887366			
cluster-mmu-mir-199a-1 (1)	ENSMUSG00000065547	mmu-mir-199a-1	9	-	21246896	21246966	-	-	ENSMUSG00000033335	Intron Oppstrand	ENSG00000207752	hsa-mir-199a-1	19	-	-	-	10789101	10789172
cluster-mmu-mir-342 (1)	ENSMUSG00000065436	mmu-mir-342	12	+	109106426	109106525	-	-	ENSMUSG00000021262	Intron Samestrand	ENSG00000199082	hsa-mir-342	14	+	-	-	99645744	99645843
cluster-mmu-mir-142 (1)	ENSMUSG00000065420	mmu-mir-142	11	+	87573059	87573122	-	-	Non_Genic	ENSG00000207567	hsa-mir-142	17	-	53763592	53763678			
cluster-mmu-mir-203 (1)	ENSMUSG00000065574	mmu-mir-203	12	+	112578688	112578763	-	-	Non_Genic	ENSG00000207568	hsa-mir-203	14	+	103653495	103653604			
cluster-mmu-mir-26b (1)	ENSMUSG00000065468	mmu-mir-26b	1	+	74327516	74327601	-	-	ENSMUSG00000026176	Intron Samestrand	ENSG00000199121	hsa-mir-26b	2	+	-	-	218975612	218975689
cluster-mmu-mir-26a-2 (1)	ENSMUSG00000065430	mmu-mir-26a-2	10	+	126398479	126398562	-	-	Non_Genic	ENSG00000207789	hsa-mir-26a-2	12	-	56504658	56504742			
cluster-mmu-mir-346 (1)	ENSMUSG00000065481	mmu-mir-346	14	+	33723700	33723798	-	-	ENSMUSG00000041078	Intron Samestrand	ENSG00000199104	hsa-mir-346	10	-	-	-	88014430	88014525
cluster-mmu-mir-671 (1)	ENSMUSG00000076387	mmu-mir-671	5	+	24102178	24102276	-	-	ENSMUSG00000038181	Exon Samestrand	ENSG00000211517	hsa-mir-671	7	+	-	-	150566439	150566557
cluster-mmu-mir-489 (2)	ENSMUSG00000070107	mmu-mir-489	6	-	3671896	3672003	-	-	ENSMUSG0000023964	Intron Samestrand	ENSG00000207656	hsa-mir-489	7	-	-	-	92951183	92951267
cluster-mmu-mir-96 (3)	ENSMUSG00000065619	mmu-mir-183	6	-	30119678	30119747	-	-	Non_Genic	ENSG00000207691	hsa-mir-183	7	-	129201981	129202090			
cluster-mmu-mir-218-2 (1)	ENSMUSG00000065583	mmu-mir-218-2	11	+	35460238	35460348	-	-	ENSMUSG00000056427	Intron Samestrand	ENSG00000207739	hsa-mir-218-2	5	-	-	-	168127728	168127838
cluster-mmu-mir-221 (2)	ENSMUSG00000065471	mmu-mir-222	X	-	18303852	18303930	-	-	Non_Genic	ENSG00000207725	hsa-mir-222	X	-	45491365	45491474			
cluster-mmu-mir-339 (1)	ENSMUSG00000065593	mmu-mir-339	5	-	139623291	139623387	-	-	ENSMUSG00000053553	Intron Samestrand	ENSG00000199023	hsa-mir-339	7	-	-	-	1029094	1029188
cluster-mmu-mir-23b (3)	ENSMUSG00000065487	mmu-mir-24-1	13	+	63310429	63310497	-	-	ENSMUSG00000021458	UTR Samestrand	ENSG00000207617	hsa-mir-24-1	9	+	-	-	96888123	96888191
cluster-mmu-mir-129-2 (1)	ENSMUSG00000065511	mmu-mir-129-2	2	-	94042203	94042292	-	-	Non_Genic	ENSG00000199077	hsa-mir-129-2	11	+	43559520	43559609			
cluster-mmu-mir-141 (2)	ENSMUSG00000065462	mmu-mir-200c	6	-	124683941	124684009	-	-	Non_Genic	ENSG00000207713	hsa-mir-200c	12	+	6943123	6943190			
cluster-mmu-mir-320 (1)	ENSMUSG00000065528	mmu-mir-320	14	+	69178590	69178671	-	-	Non_Genic	ENSG00000208037	hsa-mir-320	8	-	22158420	22158501			
cluster-mmu-mir-210 (1)	ENSMUSG00000065551	mmu-mir-210	7	-	141072704	141072813	-	-	Non_Genic	ENSG00000199038	hsa-mir-210	11	-	558089	558198			
cluster-mmu-mir-153 (1)	ENSMUSG00000065538	mmu-mir-153	12	+	117692825	117692894	-	-	ENSMUSG00000056553	Intron Samestrand	ENSG00000207960	hsa-mir-153-2	7	-	-	-	157059788	157059875
cluster-mmu-mir-135b (1)	ENSMUSG00000065435	mmu-mir-135b	1	+	134025634	134025730	-	-	Non_Genic	ENSG00000199059	hsa-mir-135b	1	-	203684052	203684149			
cluster-mmu-mir-199a-2 (2)	ENSMUSG00000070126	mmu-mir-199a-2	1	+	164054490	16405460												