

List of human and mouse mature miRNAs included in our study.

In this file we report the list of human and mouse mature miRNAs used in our study and belonging
to the transcriptional units (TU) previously defined.

File is TAB delimited and columns are:
col. 0: Transcription unit
col. 1: miRNA precursor id
col. 2: Ensembl miRNA precursor id
col. 3: miRNA mature id

Mature miRNA belonging to the same transcriptional unit are reported on different lines.

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 miRNA

cluster-hsa-mir-29a(2)	hsa-mir-29a	ENSG00000198981	hsa-miR-29a
cluster-hsa-mir-150(1)	hsa-mir-150	ENSG00000207782	hsa-miR-150
cluster-hsa-mir-191(2)	hsa-mir-425	ENSG00000199032	hsa-miR-425-5p
cluster-hsa-mir-191(2)	hsa-mir-425	ENSG00000199032	hsa-miR-425-3p
cluster-hsa-mir-144(2)	hsa-mir-451	ENSG00000207794	hsa-miR-451
cluster-hsa-mir-144(2)	hsa-mir-144	ENSG00000207618	hsa-miR-144
cluster-hsa-mir-100(3)	hsa-mir-125b-1	ENSG00000207971	hsa-miR-125b
cluster-hsa-mir-100(3)	hsa-let-7a-2	ENSG00000198975	hsa-let-7a
cluster-hsa-mir-100(3)	hsa-mir-100	ENSG00000207994	hsa-miR-100
cluster-hsa-mir-101-1(1)	hsa-mir-101-1	ENSG00000199135	hsa-miR-101
cluster-hsa-mir-10a(1)	hsa-mir-10a	ENSG00000207777	hsa-miR-10a
cluster-hsa-mir-342(1)	hsa-mir-342	ENSG00000199082	hsa-miR-342
cluster-hsa-mir-9-1(1)	hsa-mir-9-1	ENSG00000207933	hsa-miR-9
cluster-hsa-mir-9-1(1)	hsa-mir-9-1	ENSG00000207933	hsa-miR-9*
cluster-hsa-mir-143(2)	hsa-mir-143	ENSG00000208035	hsa-miR-143
cluster-hsa-mir-155(1)	hsa-mir-155	ENSG00000207795	hsa-miR-155
cluster-hsa-mir-34b(2)	hsa-mir-34b	ENSG00000207811	hsa-miR-34b
cluster-hsa-mir-34b(2)	hsa-mir-34c	ENSG00000207562	hsa-miR-34c
cluster-hsa-mir-320(1)	hsa-mir-320	ENSG00000208037	hsa-miR-320
cluster-hsa-mir-29b-2(2)	hsa-mir-29c	ENSG00000207966	hsa-miR-29c
cluster-hsa-mir-29b-2(2)	hsa-mir-29b-2	ENSG00000207790	hsa-miR-29b
cluster-hsa-mir-101-2(1)	hsa-mir-101-2	ENSG00000199065	hsa-miR-101
cluster-hsa-mir-10b(1)	hsa-mir-10b	ENSG00000207744	hsa-miR-10b
cluster-hsa-mir-142(1)	hsa-mir-142	ENSG00000207567	hsa-miR-142-5p
cluster-hsa-mir-142(1)	hsa-mir-142	ENSG00000207567	hsa-miR-142-3p
cluster-hsa-mir-455(1)	hsa-mir-455	ENSG00000207726	hsa-miR-455
cluster-hsa-mir-484(1)	hsa-mir-484	ENSG00000202641	hsa-miR-484
cluster-hsa-mir-340(1)	hsa-mir-340	ENSG00000198995	hsa-miR-340
cluster-hsa-mir-126(1)	hsa-mir-126	ENSG00000199161	hsa-miR-126*
cluster-hsa-mir-126(1)	hsa-mir-126	ENSG00000199161	hsa-miR-126
cluster-hsa-mir-200a(3)	hsa-mir-200b	ENSG00000207730	hsa-miR-200b
cluster-hsa-mir-200a(3)	hsa-mir-200a	ENSG00000207607	hsa-miR-200a*
cluster-hsa-mir-200a(3)	hsa-mir-200a	ENSG00000207607	hsa-miR-200a
cluster-hsa-mir-200a(3)	hsa-mir-429	ENSG00000198976	hsa-miR-429
cluster-hsa-mir-449a(2)	hsa-mir-449b	ENSG00000207728	hsa-miR-449b
cluster-hsa-mir-28(1)	hsa-mir-28	ENSG00000207651	hsa-miR-28
cluster-hsa-mir-551b(1)	hsa-mir-551b	ENSG00000207717	hsa-miR-551b
cluster-hsa-mir-423(1)	hsa-mir-423	ENSG00000199071	hsa-miR-423
cluster-hsa-mir-219-1(1)	hsa-mir-219-1	ENSG00000199036	hsa-miR-219
cluster-hsa-mir-345(1)	hsa-mir-345	ENSG00000198984	hsa-miR-345
cluster-hsa-mir-483(1)	hsa-mir-483	ENSG00000207805	hsa-miR-483
cluster-hsa-mir-204(1)	hsa-mir-204	ENSG00000207935	hsa-miR-204
cluster-hsa-mir-488(1)	hsa-mir-488	ENSG00000202609	hsa-miR-488
cluster-hsa-mir-424/322(6)	hsa-mir-542	ENSG00000207784	hsa-miR-542-5p
cluster-hsa-mir-424/322(6)	hsa-mir-542	ENSG00000207784	hsa-miR-542-3p
cluster-hsa-mir-424/322(6)	hsa-mir-503	ENSG00000208005	hsa-miR-503
cluster-hsa-mir-31(1)	hsa-mir-31	ENSG00000199177	hsa-miR-31
cluster-hsa-mir-135a-1(2)	hsa-mir-135a-1	ENSG00000207926	hsa-miR-135a
cluster-hsa-mir-1-2(2)	hsa-mir-1-2	ENSG00000207694	hsa-miR-1
cluster-hsa-mir-218-1(1)	hsa-mir-218-1	ENSG00000207732	hsa-miR-218
cluster-hsa-mir-23b(3)	hsa-mir-24-1	ENSG00000207617	hsa-miR-189
cluster-hsa-mir-23b(3)	hsa-mir-24-1	ENSG00000207617	hsa-miR-24
cluster-hsa-mir-346(1)	hsa-mir-346	ENSG00000199104	hsa-miR-346
cluster-hsa-mir-192(2)	hsa-mir-192	ENSG00000207648	hsa-miR-192
cluster-hsa-mir-192(2)	hsa-mir-194-2	ENSG00000207596	hsa-miR-194
cluster-hsa-mir-378(1)	hsa-mir-378	ENSG00000199047	hsa-miR-378
cluster-hsa-mir-378(1)	hsa-mir-378	ENSG00000199047	hsa-miR-422b
cluster-hsa-mir-199b(1)	hsa-mir-199b	ENSG00000207581	hsa-miR-199b
cluster-hsa-mir-30b(2)	hsa-mir-30b	ENSG00000207582	hsa-miR-30b
cluster-hsa-mir-30b(2)	hsa-mir-30d	ENSG00000199153	hsa-miR-30d
cluster-hsa-let-7a-1(3)	hsa-let-7a-1	ENSG00000199165	hsa-let-7a
cluster-hsa-let-7a-1(3)	hsa-let-7f-1	ENSG00000199072	hsa-let-7f
cluster-hsa-let-7a-1(3)	hsa-let-7d	ENSG00000199133	hsa-let-7d
cluster-hsa-mir-32(1)	hsa-mir-32	ENSG00000207698	hsa-miR-32
cluster-hsa-mir-184(1)	hsa-mir-184	ENSG00000207695	hsa-miR-184
cluster-hsa-mir-1-1(2)	hsa-mir-1-1	ENSG00000199017	hsa-miR-1
cluster-hsa-mir-1-1(2)	hsa-mir-133a-2	ENSG00000207764	hsa-miR-133a
cluster-hsa-mir-135b(1)	hsa-mir-135b	ENSG00000199059	hsa-miR-135b
cluster-hsa-mir-152(1)	hsa-mir-152	ENSG00000207947	hsa-miR-152
cluster-hsa-mir-96(3)	hsa-mir-182	ENSG00000207990	hsa-miR-182

cluster-hsa-mir-96 (3)	hsa-mir-182	ENSG00000207990	hsa-miR-182*
cluster-hsa-mir-96 (3)	hsa-mir-96	ENSG00000199158	hsa-miR-96
cluster-hsa-mir-96 (3)	hsa-mir-183	ENSG00000207691	hsa-miR-183
cluster-hsa-mir-9-3 (1)	hsa-mir-9-3	ENSG00000207819	hsa-miR-9
cluster-hsa-mir-9-3 (1)	hsa-mir-9-3	ENSG00000207819	hsa-miR-9*
cluster-hsa-mir-375 (1)	hsa-mir-375	ENSG00000198973	hsa-miR-375
cluster-hsa-mir-141 (2)	hsa-mir-200c	ENSG00000207713	hsa-miR-200c
cluster-hsa-mir-141 (2)	hsa-mir-141	ENSG00000207708	hsa-miR-141
cluster-hsa-mir-15b (2)	hsa-mir-16-2	ENSG00000198987	hsa-miR-16
cluster-hsa-mir-148b (1)	hsa-mir-148b	ENSG00000199122	hsa-miR-148b
cluster-hsa-mir-330 (1)	hsa-mir-330	ENSG00000199066	hsa-miR-330
cluster-hsa-mir-133b (2)	hsa-mir-206	ENSG00000207604	hsa-miR-206
cluster-hsa-mir-133b (2)	hsa-mir-133b	ENSG00000199080	hsa-miR-133b
cluster-hsa-mir-26a-2 (1)	hsa-mir-26a-2	ENSG00000207789	hsa-miR-26a
cluster-hsa-mir-23a (3)	hsa-mir-24-2	ENSG00000209707	hsa-miR-24
cluster-hsa-mir-23a (3)	hsa-mir-27a	ENSG00000207808	hsa-miR-27a
cluster-hsa-mir-23a (3)	hsa-mir-23a	ENSG00000207980	hsa-miR-23a
cluster-hsa-mir-221 (2)	hsa-mir-221	ENSG00000207870	hsa-miR-221
cluster-hsa-mir-221 (2)	hsa-mir-222	ENSG00000207725	hsa-miR-222
cluster-hsa-mir-146b (1)	hsa-mir-146b	ENSG00000202569	hsa-miR-146b
cluster-hsa-mir-103-2 (1)	hsa-mir-103-2	ENSG00000199024	hsa-miR-103
cluster-hsa-mir-30a (2)	hsa-mir-30c-2	ENSG00000199094	hsa-miR-30c
cluster-hsa-mir-30a (2)	hsa-mir-30a	ENSG00000207827	hsa-miR-30a-5p
cluster-hsa-mir-30a (2)	hsa-mir-30a	ENSG00000207827	hsa-miR-30a-3p
cluster-hsa-mir-489 (2)	hsa-mir-489	ENSG00000207656	hsa-miR-489
cluster-hsa-mir-17 (6)	hsa-mir-17	ENSG00000207745	hsa-miR-17-5p
cluster-hsa-mir-17 (6)	hsa-mir-17	ENSG00000207745	hsa-miR-17-3p
cluster-hsa-mir-17 (6)	hsa-mir-19a	ENSG00000207610	hsa-miR-19a
cluster-hsa-mir-17 (6)	hsa-mir-20a	ENSG00000199149	hsa-miR-20a
cluster-hsa-mir-138-1 (1)	hsa-mir-138-1	ENSG00000207954	hsa-miR-138
cluster-hsa-mir-219-2 (1)	hsa-mir-219-2	ENSG00000207955	hsa-miR-219
cluster-hsa-mir-203 (1)	hsa-mir-203	ENSG00000207568	hsa-miR-203
cluster-hsa-mir-127 (10)	hsa-mir-770	ENSG00000211574	hsa-miR-770-5p
cluster-hsa-mir-127 (10)	hsa-mir-431	ENSG00000208001	hsa-miR-431
cluster-hsa-mir-127 (10)	hsa-mir-370	ENSG00000199005	hsa-miR-370
cluster-hsa-mir-202 (1)	hsa-mir-202	ENSG00000199089	hsa-miR-202*
cluster-hsa-mir-202 (1)	hsa-mir-202	ENSG00000199089	hsa-miR-202
cluster-hsa-mir-218-2 (2)	hsa-mir-218-2	ENSG00000207739	hsa-miR-218
cluster-hsa-mir-140 (1)	hsa-mir-140	ENSG00000208017	hsa-miR-140
cluster-hsa-mir-99a (3)	hsa-mir-99a	ENSG00000207638	hsa-miR-99a
cluster-hsa-mir-99a (3)	hsa-mir-125b-2	ENSG00000207863	hsa-miR-125b
cluster-hsa-mir-326 (1)	hsa-mir-326	ENSG00000199090	hsa-miR-326
cluster-hsa-mir-135a-2 (1)	hsa-mir-135a-2	ENSG00000207586	hsa-miR-135a
cluster-hsa-mir-339 (1)	hsa-mir-339	ENSG00000199023	hsa-miR-339
cluster-hsa-mir-592 (1)	hsa-mir-592	ENSG00000207692	hsa-miR-592
cluster-hsa-mir-15a (2)	hsa-mir-16-1	ENSG00000208006	hsa-miR-16
cluster-hsa-mir-15a (2)	hsa-mir-15a	ENSG00000207718	hsa-miR-15a
cluster-hsa-mir-505 (1)	hsa-mir-505	ENSG00000207633	hsa-miR-505
cluster-hsa-mir-134 (37)	hsa-mir-379	ENSG00000199088	hsa-miR-379
cluster-hsa-mir-134 (37)	hsa-mir-299	ENSG00000207749	hsa-miR-299-5p
cluster-hsa-mir-134 (37)	hsa-mir-299	ENSG00000207749	hsa-miR-299-3p
cluster-hsa-mir-134 (37)	hsa-mir-380	ENSG00000198982	hsa-miR-380-5p
cluster-hsa-mir-134 (37)	hsa-mir-380	ENSG00000198982	hsa-miR-380-3p
cluster-hsa-mir-134 (37)	hsa-mir-323	ENSG00000199069	hsa-miR-323
cluster-hsa-mir-134 (37)	hsa-mir-758	ENSG00000211582	hsa-miR-758
cluster-hsa-mir-134 (37)	hsa-mir-329-1	ENSG00000207761	hsa-miR-329
cluster-hsa-mir-134 (37)	hsa-mir-494	ENSG00000194717	hsa-miR-494
cluster-hsa-mir-134 (37)	hsa-mir-495	ENSG00000207743	hsa-miR-495
cluster-hsa-mir-134 (37)	hsa-mir-381	ENSG00000199020	hsa-miR-381
cluster-hsa-mir-134 (37)	hsa-mir-487b	ENSG00000207754	hsa-miR-487b
cluster-hsa-mir-134 (37)	hsa-mir-539	ENSG00000202560	hsa-miR-539
cluster-hsa-mir-134 (37)	hsa-mir-134	ENSG00000207993	hsa-miR-134
cluster-hsa-mir-134 (37)	hsa-mir-496	ENSG00000207961	hsa-miR-496
cluster-hsa-mir-134 (37)	hsa-mir-377	ENSG00000199015	hsa-miR-377
cluster-hsa-mir-134 (37)	hsa-mir-409	ENSG00000199107	hsa-miR-409-5p
cluster-hsa-mir-134 (37)	hsa-mir-409	ENSG00000199107	hsa-miR-409-3p
cluster-hsa-mir-134 (37)	hsa-mir-412	ENSG00000199012	hsa-miR-412
cluster-hsa-mir-134 (37)	hsa-mir-369	ENSG00000199025	hsa-miR-369-5p
cluster-hsa-mir-134 (37)	hsa-mir-369	ENSG00000199025	hsa-miR-369-3p
cluster-hsa-mir-134 (37)	hsa-mir-410	ENSG00000199092	hsa-miR-410
cluster-hsa-mir-338 (2)	hsa-mir-338	ENSG00000211563	hsa-miR-338
cluster-hsa-mir-490 (1)	hsa-mir-490	ENSG00000207597	hsa-miR-490
cluster-hsa-mir-216a (3)	hsa-mir-217	ENSG00000207548	hsa-miR-217
cluster-hsa-mir-211 (1)	hsa-mir-211	ENSG00000207702	hsa-miR-211
cluster-hsa-mir-208 (2)	hsa-mir-208	ENSG00000199157	hsa-miR-208
cluster-hsa-mir-186 (1)	hsa-mir-186	ENSG00000207721	hsa-miR-186
cluster-hsa-mir-331 (1)	hsa-mir-331	ENSG00000199172	hsa-miR-331
cluster-hsa-mir-138-2 (1)	hsa-mir-138-2	ENSG00000207649	hsa-miR-138
cluster-hsa-mir-196a-1 (1)	hsa-mir-196a-1	ENSG00000210741	hsa-miR-196a
cluster-hsa-mir-129-2 (1)	hsa-mir-129-2	ENSG00000199077	hsa-miR-129
cluster-hsa-mir-99b (3)	hsa-mir-99b	ENSG00000207550	hsa-miR-99b
cluster-hsa-mir-99b (3)	hsa-let-7e	ENSG00000198972	hsa-let-7e
cluster-hsa-mir-205 (1)	hsa-mir-205	ENSG00000207623	hsa-miR-205
cluster-hsa-mir-199a-1 (1)	hsa-mir-199a-1	ENSG00000207752	hsa-miR-199a
cluster-hsa-mir-199a-1 (1)	hsa-mir-199a-1	ENSG00000207752	hsa-miR-199a*
cluster-hsa-mir-193a (2)	hsa-mir-193a	ENSG00000207614	hsa-miR-193a
cluster-hsa-mir-193a (2)	hsa-mir-365-2	ENSG00000199187	hsa-miR-365
cluster-hsa-mir-223 (1)	hsa-mir-223	ENSG00000207939	hsa-miR-223
cluster-hsa-mir-194-1 (2)	hsa-mir-215	ENSG00000207590	hsa-miR-215
cluster-hsa-mir-194-1 (2)	hsa-mir-194-1	ENSG00000207624	hsa-miR-194

cluster-hsa-mir-193b(2)	hsa-mir-365-1	ENSG00000199130	hsa-miR-365
cluster-hsa-mir-130b(2)	hsa-mir-130b	ENSG00000207751	hsa-miR-130b
cluster-hsa-mir-302a(5)	hsa-mir-367	ENSG00000199169	hsa-miR-367
cluster-hsa-mir-302a(5)	hsa-mir-302d	ENSG00000199145	hsa-miR-302d
cluster-hsa-mir-302a(5)	hsa-mir-302c	ENSG00000199102	hsa-miR-302c*
cluster-hsa-mir-302a(5)	hsa-mir-302c	ENSG00000199102	hsa-miR-302c
cluster-hsa-mir-302a(5)	hsa-mir-302b	ENSG00000199058	hsa-miR-302b*
cluster-hsa-mir-302a(5)	hsa-mir-302b	ENSG00000199058	hsa-miR-302b
cluster-hsa-mir-149(1)	hsa-mir-149	ENSG00000207611	hsa-miR-149
cluster-hsa-mir-499(1)	hsa-mir-499	ENSG00000207635	hsa-miR-499
cluster-hsa-mir-296(2)	hsa-mir-296	ENSG00000207950	hsa-miR-296
cluster-hsa-mir-506(12)	hsa-mir-506	ENSG00000207731	hsa-miR-506
cluster-hsa-mir-25(3)	hsa-mir-25	ENSG00000207547	hsa-miR-25
cluster-hsa-mir-25(3)	hsa-mir-93	ENSG00000207757	hsa-miR-93
cluster-hsa-mir-25(3)	hsa-mir-106b	ENSG00000208036	hsa-miR-106b
cluster-hsa-mir-148a(1)	hsa-mir-148a	ENSG00000199085	hsa-miR-148a
cluster-hsa-mir-187(1)	hsa-mir-187	ENSG00000207797	hsa-miR-187
cluster-hsa-mir-139(1)	hsa-mir-139	ENSG00000207809	hsa-miR-139
cluster-hsa-mir-30c-1(2)	hsa-mir-30e	ENSG00000198974	hsa-miR-30e-5p
cluster-hsa-mir-30c-1(2)	hsa-mir-30e	ENSG00000198974	hsa-miR-30e-3p
cluster-hsa-mir-30c-1(2)	hsa-mir-30c-1	ENSG00000207962	hsa-miR-30c
cluster-hsa-mir-153-2(2)	hsa-mir-153-2	ENSG00000207960	hsa-miR-153
cluster-hsa-mir-196a-2(2)	hsa-mir-615	ENSG00000207571	hsa-miR-615
cluster-hsa-mir-328(1)	hsa-mir-328	ENSG00000207948	hsa-miR-328
cluster-hsa-mir-151(1)	hsa-mir-151	ENSG00000207792	hsa-miR-151
cluster-hsa-mir-491(1)	hsa-mir-491	ENSG00000207609	hsa-miR-491
cluster-hsa-mir-671(1)	hsa-mir-671	ENSG00000211517	hsa-miR-671
cluster-hsa-mir-181c(2)	hsa-mir-181d	ENSG00000207585	hsa-miR-181d
cluster-hsa-mir-325(2)	hsa-mir-325	ENSG00000207995	hsa-miR-325
cluster-hsa-mir-26b(1)	hsa-mir-26b	ENSG00000199121	hsa-miR-26b
cluster-hsa-mir-335(1)	hsa-mir-335	ENSG00000199043	hsa-miR-335
cluster-hsa-mir-129-1(1)	hsa-mir-129-1	ENSG00000207705	hsa-miR-129
cluster-hsa-mir-34a(1)	hsa-mir-34a	ENSG00000207865	hsa-miR-34a
cluster-hsa-mir-7-3(1)	hsa-mir-7-3	ENSG00000207630	hsa-miR-7
cluster-hsa-mir-802(1)	hsa-mir-802	ENSG00000211590	hsa-miR-802
cluster-hsa-mir-130a(1)	hsa-mir-130a	ENSG00000208009	hsa-miR-130a
cluster-hsa-mir-210(1)	hsa-mir-210	ENSG00000199038	hsa-miR-210
cluster-hsa-mir-18b(6)	hsa-mir-363	ENSG00000207572	hsa-miR-363*
cluster-hsa-mir-18b(6)	hsa-mir-363	ENSG00000207572	hsa-miR-363
cluster-hsa-mir-18b(6)	hsa-mir-20b	ENSG00000207710	hsa-miR-20b
cluster-hsa-mir-18b(6)	hsa-mir-106a	ENSG00000207602	hsa-miR-106a
cluster-hsa-let-7a-3(2)	hsa-let-7a-3	ENSG00000198986	hsa-let-7a
cluster-hsa-let-7a-3(2)	hsa-let-7b	ENSG00000207875	hsa-let-7b
cluster-hsa-mir-132(2)	hsa-mir-212	ENSG00000207953	hsa-miR-212
cluster-hsa-mir-21(1)	hsa-mir-21	ENSG00000199004	hsa-miR-21
cluster-hsa-mir-324(1)	hsa-mir-324	ENSG00000199053	hsa-miR-324-5p
cluster-hsa-mir-324(1)	hsa-mir-324	ENSG00000199053	hsa-miR-324-3p
cluster-hsa-mir-195(2)	hsa-mir-195	ENSG00000207929	hsa-miR-195
cluster-hsa-mir-195(2)	hsa-mir-497	ENSG00000207791	hsa-miR-497
cluster-hsa-mir-199a-2(2)	hsa-mir-214	ENSG00000207949	hsa-miR-214
cluster-hsa-mir-199a-2(2)	hsa-mir-199a-2	ENSG00000208024	hsa-miR-199a
cluster-hsa-mir-199a-2(2)	hsa-mir-199a-2	ENSG00000208024	hsa-miR-199a*

section for mouse miRNA

cluster-mmu-mir-322(7)	mmu-mir-542	ENSMUSG00000076140	mmu-miR-542-5p
cluster-mmu-mir-322(7)	mmu-mir-542	ENSMUSG00000076140	mmu-miR-542-3p
cluster-mmu-mir-503	mmu-mir-503	ENSMUSG00000076122	mmu-miR-503
cluster-mmu-mir-10a(1)	mmu-mir-10a	ENSMUSG00000065519	mmu-miR-10a
cluster-mmu-mir-205(1)	mmu-mir-205	ENSMUSG00000065533	mmu-miR-205
cluster-mmu-mir-130b(2)	mmu-mir-130b	ENSMUSG00000065572	mmu-miR-130b
cluster-mmu-mir-331(1)	mmu-mir-331	ENSMUSG00000065607	mmu-miR-331
cluster-mmu-mir-103-2(1)	mmu-mir-103-2	ENSMUSG00000065563	mmu-miR-103
cluster-mmu-mir-155(1)	mmu-mir-155	ENSMUSG00000065397	mmu-miR-155
cluster-mmu-mir-202(1)	mmu-mir-202	ENSMUSG00000065502	mmu-miR-202
cluster-mmu-mir-10b(1)	mmu-mir-10b	ENSMUSG00000065500	mmu-miR-10b
cluster-mmu-mir-328(1)	mmu-mir-328	ENSMUSG00000070130	mmu-miR-328
cluster-mmu-mir-1-1(2)	mmu-mir-1-1	ENSMUSG00000070144	mmu-miR-1
cluster-mmu-mir-1-1(2)	mmu-mir-133a-2	ENSMUSG00000065460	mmu-miR-133a*
cluster-mmu-mir-1-1(2)	mmu-mir-133a-2	ENSMUSG00000065460	mmu-miR-133a
cluster-mmu-mir-326(1)	mmu-mir-326	ENSMUSG00000065571	mmu-miR-326
cluster-mmu-mir-194-1(2)	mmu-mir-194-1	ENSMUSG00000065581	mmu-miR-194
cluster-mmu-mir-194-1(2)	mmu-mir-215	ENSMUSG00000065562	mmu-miR-215
cluster-mmu-mir-151(1)	mmu-mir-151	ENSMUSG00000065612	mmu-miR-151
cluster-mmu-mir-483(1)	mmu-mir-483	ENSMUSG00000070140	mmu-miR-483
cluster-mmu-mir-324(1)	mmu-mir-324	ENSMUSG00000065534	mmu-miR-324-5p
cluster-mmu-mir-324(1)	mmu-mir-324	ENSMUSG00000065534	mmu-miR-324-3p
cluster-mmu-mir-101a(1)	mmu-mir-101a	ENSMUSG00000065451	mmu-miR-101a
cluster-mmu-mir-484(1)	mmu-mir-484	ENSMUSG00000070074	mmu-miR-484
cluster-mmu-mir-34a(1)	mmu-mir-34a	ENSMUSG00000065493	mmu-miR-34a
cluster-mmu-mir-134(33)	mmu-mir-379	ENSMUSG00000065498	mmu-miR-379
cluster-mmu-mir-134(33)	mmu-mir-299	ENSMUSG00000065550	mmu-miR-299
cluster-mmu-mir-134(33)	mmu-mir-380	ENSMUSG00000065595	mmu-miR-380-5p
cluster-mmu-mir-134(33)	mmu-mir-380	ENSMUSG00000065595	mmu-miR-380-3p
cluster-mmu-mir-134(33)	mmu-mir-323	ENSMUSG00000065617	mmu-miR-323
cluster-mmu-mir-134(33)	mmu-mir-758	ENSMUSG00000076459	mmu-miR-758
cluster-mmu-mir-134(33)	mmu-mir-329	ENSMUSG00000065577	mmu-miR-329
cluster-mmu-mir-134(33)	mmu-mir-494	ENSMUSG00000070141	mmu-miR-494
cluster-mmu-mir-134(33)	mmu-mir-495	ENSMUSG00000070105	mmu-miR-495
cluster-mmu-mir-134(33)	mmu-mir-381	ENSMUSG00000065566	mmu-miR-381

cluster-mmu-mir-134 (33)	mmu-mir-487b	ENSMUSG00000076219	mmu-miR-487b
cluster-mmu-mir-134 (33)	mmu-mir-539	ENSMUSG00000076063	mmu-miR-539
cluster-mmu-mir-134 (33)	mmu-mir-134	ENSMUSG00000065426	mmu-miR-134
cluster-mmu-mir-134 (33)	mmu-mir-496	ENSMUSG00000070136	mmu-miR-496
cluster-mmu-mir-134 (33)	mmu-mir-377	ENSMUSG00000065438	mmu-miR-377
cluster-mmu-mir-134 (33)	mmu-mir-409	ENSMUSG00000065478	mmu-miR-409
cluster-mmu-mir-134 (33)	mmu-mir-412	ENSMUSG00000065570	mmu-miR-412
cluster-mmu-mir-134 (33)	mmu-mir-369	ENSMUSG00000065561	mmu-miR-369-5p
cluster-mmu-mir-134 (33)	mmu-mir-369	ENSMUSG00000065561	mmu-miR-369-3p
cluster-mmu-mir-134 (33)	mmu-mir-410	ENSMUSG00000065497	mmu-miR-410
cluster-mmu-mir-1-2 (2)	mmu-mir-1-2	ENSMUSG00000065531	mmu-miR-1
cluster-mmu-mir-150 (1)	mmu-mir-150	ENSMUSG00000065495	mmu-miR-150
cluster-mmu-mir-455 (1)	mmu-mir-455	ENSMUSG00000070102	mmu-miR-455-5p
cluster-mmu-mir-455 (1)	mmu-mir-455	ENSMUSG00000070102	mmu-miR-455-3p
cluster-mmu-mir-129-1 (1)	mmu-mir-129-1	ENSMUSG00000065469	mmu-miR-129-5p
cluster-mmu-mir-29b-2 (2)	mmu-mir-29b-2	ENSMUSG00000065412	mmu-miR-29b
cluster-mmu-mir-29b-2 (2)	mmu-mir-29c	ENSMUSG00000065548	mmu-miR-29c
cluster-mmu-mir-140 (1)	mmu-mir-140	ENSMUSG00000065439	mmu-miR-140
cluster-mmu-mir-140 (1)	mmu-mir-140	ENSMUSG00000065439	mmu-miR-140*
cluster-mmu-mir-25 (3)	mmu-mir-25	ENSMUSG00000065394	mmu-miR-25
cluster-mmu-mir-25 (3)	mmu-mir-93	ENSMUSG00000065527	mmu-miR-93
cluster-mmu-mir-25 (3)	mmu-mir-106b	ENSMUSG00000065514	mmu-miR-106b
cluster-mmu-mir-34b (2)	mmu-mir-34c	ENSMUSG00000065587	mmu-miR-34c
cluster-mmu-mir-34b (2)	mmu-mir-34b	ENSMUSG00000065492	mmu-miR-34b
cluster-mmu-mir-338 (1)	mmu-mir-338	ENSMUSG00000065600	mmu-miR-338
cluster-mmu-mir-216a (3)	mmu-mir-217	ENSMUSG00000065415	mmu-miR-217
cluster-mmu-mir-505 (1)	mmu-mir-505	ENSMUSG00000070081	mmu-miR-505
cluster-mmu-mir-139 (1)	mmu-mir-139	ENSMUSG00000065446	mmu-miR-139
cluster-mmu-mir-7b (1)	mmu-mir-7b	ENSMUSG00000065491	mmu-miR-7b
cluster-mmu-mir-30b (2)	mmu-mir-30b	ENSMUSG00000065476	mmu-miR-30b
cluster-mmu-mir-30b (2)	mmu-mir-30d	ENSMUSG00000065437	mmu-miR-30d
cluster-mmu-mir-340 (1)	mmu-mir-340	ENSMUSG00000065417	mmu-miR-340
cluster-mmu-mir-133b (2)	mmu-mir-206	ENSMUSG00000065559	mmu-miR-206
cluster-mmu-mir-133b (2)	mmu-mir-133b	ENSMUSG00000065480	mmu-miR-133b
cluster-mmu-mir-223 (1)	mmu-mir-223	ENSMUSG00000076066	mmu-miR-223
cluster-mmu-mir-192 (2)	mmu-mir-194-2	ENSMUSG00000065582	mmu-miR-194
cluster-mmu-mir-192 (2)	mmu-mir-192	ENSMUSG00000065523	mmu-miR-192
cluster-mmu-mir-196a-2 (2)	mmu-mir-615	ENSMUSG00000076010	mmu-miR-615
cluster-mmu-mir-29a (2)	mmu-mir-29a	ENSMUSG00000065610	mmu-miR-29a
cluster-mmu-mir-208 (2)	mmu-mir-208	ENSMUSG00000065432	mmu-miR-208
cluster-mmu-mir-201 (3)	mmu-mir-201	ENSMUSG00000065404	mmu-miR-201
cluster-mmu-mir-130a (1)	mmu-mir-130a	ENSMUSG00000065484	mmu-miR-130a
cluster-mmu-mir-146b (1)	mmu-mir-146b	ENSMUSG00000070127	mmu-miR-146b
cluster-mmu-mir-200a (3)	mmu-mir-429	ENSMUSG00000065427	mmu-miR-429
cluster-mmu-mir-200a (3)	mmu-mir-200a	ENSMUSG00000065400	mmu-miR-200a
cluster-mmu-mir-200a (3)	mmu-mir-200b	ENSMUSG00000065549	mmu-miR-200b
cluster-mmu-mir-9-3 (1)	mmu-mir-9-3	ENSMUSG00000065545	mmu-miR-9
cluster-mmu-mir-9-3 (1)	mmu-mir-9-3	ENSMUSG00000065545	mmu-miR-9*
cluster-mmu-mir-32 (1)	mmu-mir-32	ENSMUSG00000065544	mmu-miR-32
cluster-mmu-mir-100 (3)	mmu-mir-100	ENSMUSG00000065576	mmu-miR-100
cluster-mmu-mir-100 (3)	mmu-let-7a-2	ENSMUSG00000065614	mmu-let-7a
cluster-mmu-mir-100 (3)	mmu-mir-125b-1	ENSMUSG00000065506	mmu-miR-125b
cluster-mmu-mir-195 (2)	mmu-mir-497	ENSMUSG00000070109	mmu-miR-497
cluster-mmu-mir-195 (2)	mmu-mir-195	ENSMUSG00000065411	mmu-miR-195
cluster-mmu-mir-138-1 (1)	mmu-mir-138-1	ENSMUSG00000065414	mmu-miR-138
cluster-mmu-mir-17 (4)	mmu-mir-17	ENSMUSG00000065508	mmu-miR-17-5p
cluster-mmu-mir-17 (4)	mmu-mir-17	ENSMUSG00000065508	mmu-miR-17-3p
cluster-mmu-mir-17 (4)	mmu-mir-19a	ENSMUSG00000065416	mmu-miR-19a
cluster-mmu-mir-17 (4)	mmu-mir-20a	ENSMUSG00000065442	mmu-miR-20a
cluster-mmu-mir-490 (1)	mmu-mir-490	ENSMUSG00000070075	mmu-miR-490
cluster-mmu-mir-23a (3)	mmu-mir-23a	ENSMUSG00000065611	mmu-miR-23a
cluster-mmu-mir-23a (3)	mmu-mir-27a	ENSMUSG00000065444	mmu-miR-27a
cluster-mmu-mir-23a (3)	mmu-mir-24-2	ENSMUSG00000065541	mmu-miR-24
cluster-mmu-mir-592 (1)	mmu-mir-592	ENSMUSG00000076067	mmu-miR-592
cluster-mmu-mir-144 (2)	mmu-mir-144	ENSMUSG00000065401	mmu-miR-144
cluster-mmu-mir-144 (2)	mmu-mir-451	ENSMUSG00000070065	mmu-miR-451
cluster-mmu-mir-181c (2)	mmu-mir-181d	ENSMUSG00000076338	mmu-miR-181d
cluster-mmu-mir-488 (1)	mmu-mir-488	ENSMUSG00000070103	mmu-miR-488
cluster-mmu-mir-488 (1)	mmu-mir-488	ENSMUSG00000070103	mmu-miR-488*
cluster-mmu-mir-302a (5)	mmu-mir-302b	ENSMUSG00000076252	mmu-miR-302b*
cluster-mmu-mir-302a (5)	mmu-mir-302b	ENSMUSG00000076252	mmu-miR-302b
cluster-mmu-mir-302a (5)	mmu-mir-302c	ENSMUSG00000065482	mmu-miR-302c*
cluster-mmu-mir-302a (5)	mmu-mir-302c	ENSMUSG00000065482	mmu-miR-302c
cluster-mmu-mir-302a (5)	mmu-mir-302d	ENSMUSG00000065447	mmu-miR-302d
cluster-mmu-mir-302a (5)	mmu-mir-367	ENSMUSG00000065413	mmu-miR-367
cluster-mmu-mir-28 (1)	mmu-mir-28	ENSMUSG00000065494	mmu-miR-28
cluster-mmu-mir-149 (1)	mmu-mir-149	ENSMUSG00000065470	mmu-miR-149
cluster-mmu-mir-152 (1)	mmu-mir-152	ENSMUSG00000065515	mmu-miR-152
cluster-mmu-mir-296 (2)	mmu-mir-296	ENSMUSG00000065521	mmu-miR-296
cluster-mmu-mir-449a (2)	mmu-mir-449b	ENSMUSG00000076146	mmu-miR-449b
cluster-mmu-mir-499 (1)	mmu-mir-499	ENSMUSG00000076312	mmu-miR-499
cluster-mmu-mir-218-1 (1)	mmu-mir-218-1	ENSMUSG00000065603	mmu-miR-218
cluster-mmu-mir-375 (1)	mmu-mir-375	ENSMUSG00000065616	mmu-miR-375
cluster-mmu-mir-15a (2)	mmu-mir-16-1	ENSMUSG00000065605	mmu-miR-16
cluster-mmu-mir-15a (2)	mmu-mir-15a	ENSMUSG00000065459	mmu-miR-15a
cluster-mmu-mir-99b (3)	mmu-mir-99b	ENSMUSG00000065396	mmu-miR-99b
cluster-mmu-mir-99b (3)	mmu-let-7e	ENSMUSG00000065618	mmu-let-7e
cluster-mmu-mir-219-2 (1)	mmu-mir-219-2	ENSMUSG00000065485	mmu-miR-219
cluster-mmu-mir-191 (2)	mmu-mir-425	ENSMUSG00000065579	mmu-miR-425
cluster-mmu-mir-21 (1)	mmu-mir-21	ENSMUSG00000065455	mmu-miR-21

cluster-mmu-mir-802 (1)	mmu-mir-802	ENSMUSG00000076457	mmu-miR-802
cluster-mmu-mir-9-1 (1)	mmu-mir-9-1	ENSMUSG00000065504	mmu-miR-9
cluster-mmu-mir-9-1 (1)	mmu-mir-9-1	ENSMUSG00000065504	mmu-miR-9*
cluster-mmu-mir-148a (1)	mmu-mir-148a	ENSMUSG00000065505	mmu-miR-148a
cluster-mmu-mir-18b (6)	mmu-mir-363	ENSMUSG00000070106	mmu-miR-363
cluster-mmu-mir-18b (6)	mmu-mir-20b	ENSMUSG00000076041	mmu-miR-20b
cluster-mmu-mir-18b (6)	mmu-mir-106a	ENSMUSG00000065456	mmu-miR-106a
cluster-mmu-mir-335 (1)	mmu-mir-335	ENSMUSG00000065501	mmu-miR-335
cluster-mmu-mir-199b (1)	mmu-mir-199b	ENSMUSG00000065554	mmu-miR-199b
cluster-mmu-mir-345 (1)	mmu-mir-345	ENSMUSG00000065429	mmu-miR-345
cluster-mmu-mir-30c-1 (2)	mmu-mir-30c-1	ENSMUSG00000065490	mmu-miR-30c
cluster-mmu-mir-30c-1 (2)	mmu-mir-30e	ENSMUSG00000065409	mmu-miR-30e
cluster-mmu-mir-30c-1 (2)	mmu-mir-30e	ENSMUSG00000065409	mmu-miR-30e*
cluster-mmu-mir-378 (1)	mmu-mir-378	ENSMUSG00000065535	mmu-miR-378
cluster-mmu-mir-378 (1)	mmu-mir-378	ENSMUSG00000065535	mmu-miR-422b
cluster-mmu-mir-99a (3)	mmu-mir-99a	ENSMUSG00000065530	mmu-miR-99a
cluster-mmu-mir-99a (3)	mmu-mir-125b-2	ENSMUSG00000065472	mmu-miR-125b
cluster-mmu-mir-148b (1)	mmu-mir-148b	ENSMUSG00000065560	mmu-miR-148b
cluster-mmu-mir-101b (1)	mmu-mir-101b	ENSMUSG00000065556	mmu-miR-101b
cluster-mmu-mir-219-1 (1)	mmu-mir-219-1	ENSMUSG00000065555	mmu-miR-219
cluster-mmu-mir-15b (2)	mmu-mir-16-2	ENSMUSG00000065606	mmu-miR-16
cluster-mmu-mir-138-2 (1)	mmu-mir-138-2	ENSMUSG00000065512	mmu-miR-138
cluster-mmu-mir-143 (2)	mmu-mir-143	ENSMUSG00000065445	mmu-miR-143
cluster-mmu-mir-31 (1)	mmu-mir-31	ENSMUSG00000065408	mmu-miR-31
cluster-mmu-mir-126 (1)	mmu-mir-126	ENSMUSG00000065540	mmu-miR-126-5p
cluster-mmu-mir-126 (1)	mmu-mir-126	ENSMUSG00000065540	mmu-miR-126-3p
cluster-mmu-mir-325 (2)	mmu-mir-325	ENSMUSG00000065425	mmu-miR-325
cluster-mmu-mir-132 (2)	mmu-mir-212	ENSMUSG00000065590	mmu-miR-212
cluster-mmu-let-7a-1 (3)	mmu-let-7d	ENSMUSG00000065453	mmu-let-7d
cluster-mmu-let-7a-1 (3)	mmu-let-7d	ENSMUSG00000065453	mmu-let-7d*
cluster-mmu-let-7a-1 (3)	mmu-let-7f-1	ENSMUSG00000065517	mmu-let-7f
cluster-mmu-let-7a-1 (3)	mmu-let-7a-1	ENSMUSG00000065421	mmu-let-7a
cluster-mmu-let-7b (2)	mmu-let-7c-2	ENSMUSG00000065608	mmu-let-7c
cluster-mmu-let-7b (2)	mmu-let-7b	ENSMUSG00000065564	mmu-let-7b
cluster-mmu-mir-199a-1 (1)	mmu-mir-199a-1	ENSMUSG00000065547	mmu-miR-199a
cluster-mmu-mir-199a-1 (1)	mmu-mir-199a-1	ENSMUSG00000065547	mmu-miR-199a*
cluster-mmu-mir-142 (1)	mmu-mir-142	ENSMUSG00000065420	mmu-miR-142-5p
cluster-mmu-mir-142 (1)	mmu-mir-142	ENSMUSG00000065420	mmu-miR-142-3p
cluster-mmu-mir-342 (1)	mmu-mir-342	ENSMUSG00000065436	mmu-miR-342
cluster-mmu-mir-203 (1)	mmu-mir-203	ENSMUSG00000065574	mmu-miR-203
cluster-mmu-mir-26b (1)	mmu-mir-26b	ENSMUSG00000065468	mmu-miR-26b
cluster-mmu-mir-26a-2 (1)	mmu-mir-26a-2	ENSMUSG00000065430	mmu-miR-26a
cluster-mmu-mir-346 (1)	mmu-mir-346	ENSMUSG00000065481	mmu-miR-346
cluster-mmu-mir-489 (2)	mmu-mir-489	ENSMUSG00000070107	mmu-miR-489
cluster-mmu-mir-671 (1)	mmu-mir-671	ENSMUSG00000076387	mmu-miR-671
cluster-mmu-mir-96 (3)	mmu-mir-182	ENSMUSG00000076361	mmu-miR-182
cluster-mmu-mir-96 (3)	mmu-mir-96	ENSMUSG00000065586	mmu-miR-96
cluster-mmu-mir-96 (3)	mmu-mir-183	ENSMUSG00000065619	mmu-miR-183
cluster-mmu-mir-218-2 (1)	mmu-mir-218-2	ENSMUSG00000065583	mmu-miR-218
cluster-mmu-mir-221 (2)	mmu-mir-221	ENSMUSG00000065422	mmu-miR-221
cluster-mmu-mir-221 (2)	mmu-mir-222	ENSMUSG00000065471	mmu-miR-222
cluster-mmu-mir-339 (1)	mmu-mir-339	ENSMUSG00000065593	mmu-miR-339
cluster-mmu-mir-23b (3)	mmu-mir-24-1	ENSMUSG00000065487	mmu-miR-24*
cluster-mmu-mir-23b (3)	mmu-mir-24-1	ENSMUSG00000065487	mmu-miR-24
cluster-mmu-mir-141 (2)	mmu-mir-141	ENSMUSG00000065474	mmu-miR-141
cluster-mmu-mir-141 (2)	mmu-mir-200c	ENSMUSG00000065462	mmu-miR-200c
cluster-mmu-mir-129-2 (1)	mmu-mir-129-2	ENSMUSG00000065511	mmu-miR-129-5p
cluster-mmu-mir-129-2 (1)	mmu-mir-129-2	ENSMUSG00000065511	mmu-miR-129-3p
cluster-mmu-mir-320 (1)	mmu-mir-320	ENSMUSG00000065528	mmu-miR-320
cluster-mmu-mir-210 (1)	mmu-mir-210	ENSMUSG00000065551	mmu-miR-210
cluster-mmu-mir-153 (1)	mmu-mir-153	ENSMUSG00000065538	mmu-miR-153
cluster-mmu-mir-135b (1)	mmu-mir-135b	ENSMUSG00000065435	mmu-miR-135b
cluster-mmu-mir-330 (1)	mmu-mir-330	ENSMUSG00000065543	mmu-miR-330
cluster-mmu-mir-199a-2 (2)	mmu-mir-199a-2	ENSMUSG00000070126	mmu-miR-199a
cluster-mmu-mir-199a-2 (2)	mmu-mir-199a-2	ENSMUSG00000070126	mmu-miR-199a*
cluster-mmu-mir-199a-2 (2)	mmu-mir-214	ENSMUSG00000065516	mmu-miR-214
cluster-mmu-mir-423 (1)	mmu-mir-423	ENSMUSG00000065518	mmu-miR-423
cluster-mmu-mir-211 (1)	mmu-mir-211	ENSMUSG00000065585	mmu-miR-211
cluster-mmu-mir-193 (2)	mmu-mir-193	ENSMUSG00000065395	mmu-miR-193
cluster-mmu-mir-193 (2)	mmu-mir-365-2	ENSMUSG00000065489	mmu-miR-365
cluster-mmu-mir-127 (13)	mmu-mir-770	ENSMUSG00000076451	mmu-miR-770-3p
cluster-mmu-mir-127 (13)	mmu-mir-431	ENSMUSG00000070080	mmu-miR-431
cluster-mmu-mir-127 (13)	mmu-mir-370	ENSMUSG00000065433	mmu-miR-370
cluster-mmu-mir-135a-1 (2)	mmu-mir-135a-1	ENSMUSG00000065407	mmu-miR-135a
cluster-mmu-mir-204 (1)	mmu-mir-204	ENSMUSG00000065507	mmu-miR-204
cluster-mmu-mir-551b (1)	mmu-mir-551b	ENSMUSG00000076120	mmu-miR-551b
cluster-mmu-mir-193b (2)	mmu-mir-365-1	ENSMUSG00000065449	mmu-miR-365
cluster-mmu-mir-30a (2)	mmu-mir-30a	ENSMUSG00000065405	mmu-miR-30a-5p
cluster-mmu-mir-30a (2)	mmu-mir-30a	ENSMUSG00000065405	mmu-miR-30a-3p
cluster-mmu-mir-30a (2)	mmu-mir-30c-2	ENSMUSG00000065567	mmu-miR-30c
cluster-mmu-mir-135a-2 (1)	mmu-mir-135a-2	ENSMUSG00000065524	mmu-miR-135a
cluster-mmu-mir-184 (1)	mmu-mir-184	ENSMUSG00000065596	mmu-miR-184
cluster-mmu-mir-186 (1)	mmu-mir-186	ENSMUSG00000065431	mmu-miR-186
cluster-mmu-mir-187 (1)	mmu-mir-187	ENSMUSG00000065532	mmu-miR-187
cluster-mmu-mir-196a-1 (1)	mmu-mir-196a-1	ENSMUSG00000065546	mmu-miR-196a
cluster-mmu-mir-491 (1)	mmu-mir-491	ENSMUSG00000070077	mmu-miR-491