

***Argonaute2* regulates the pancreatic β -cell secretome**

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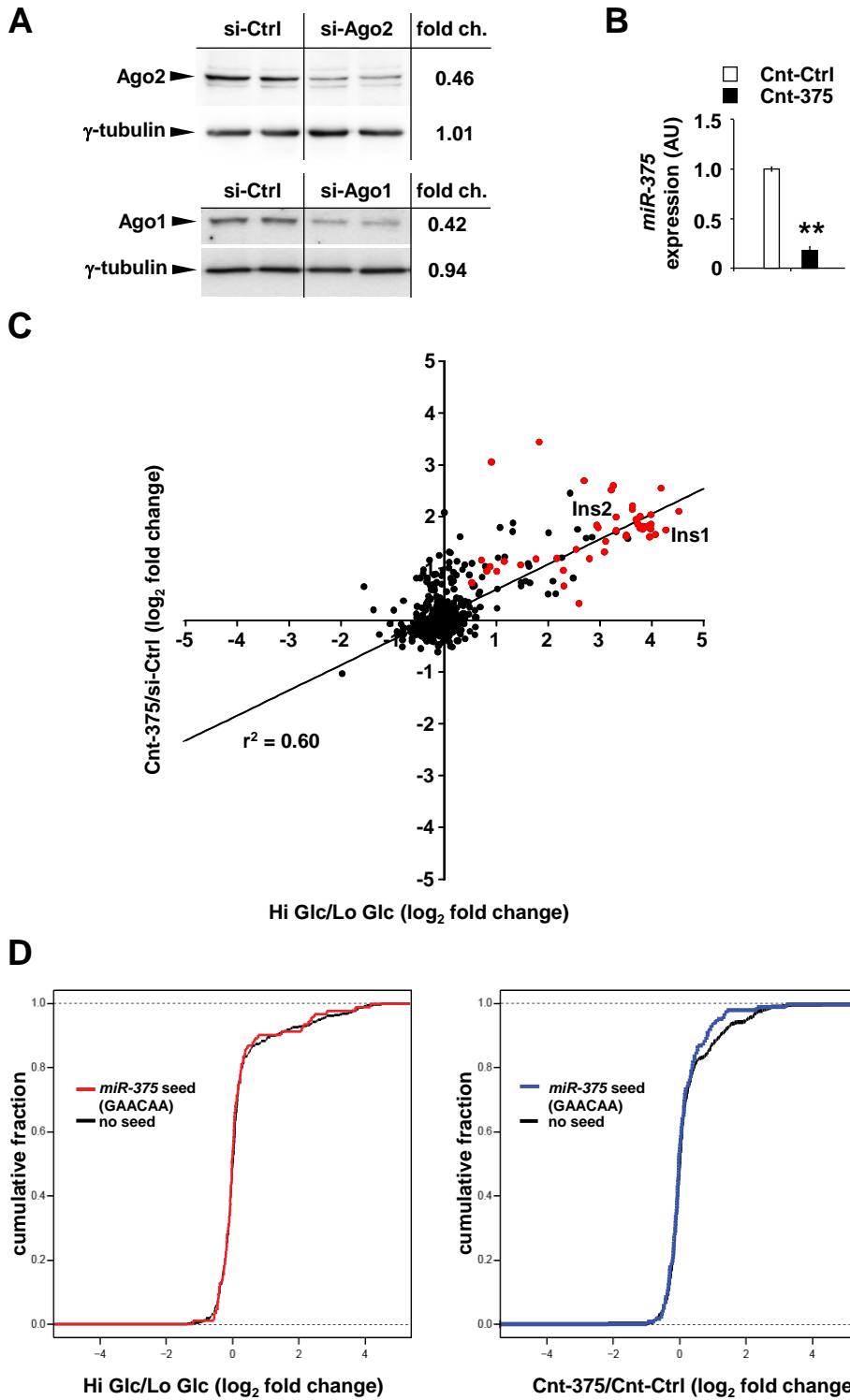
Supplementary Figure Legends.

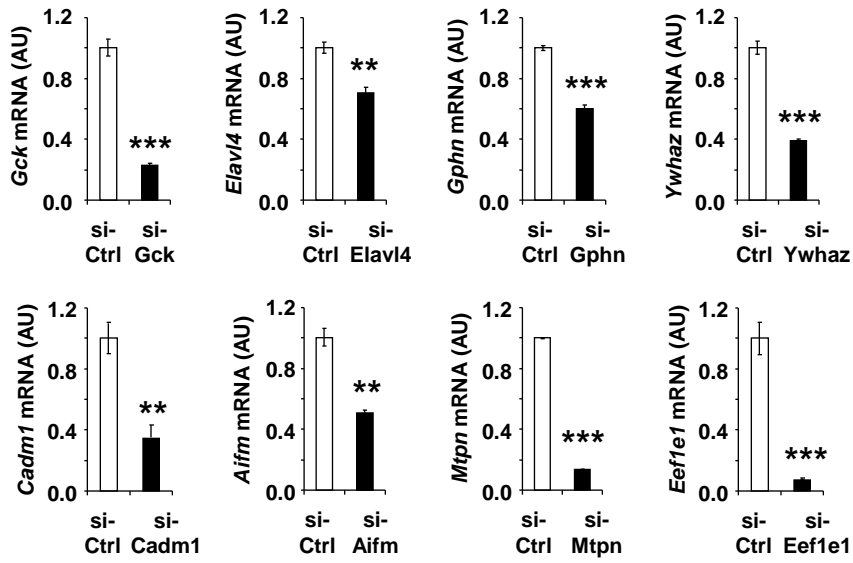
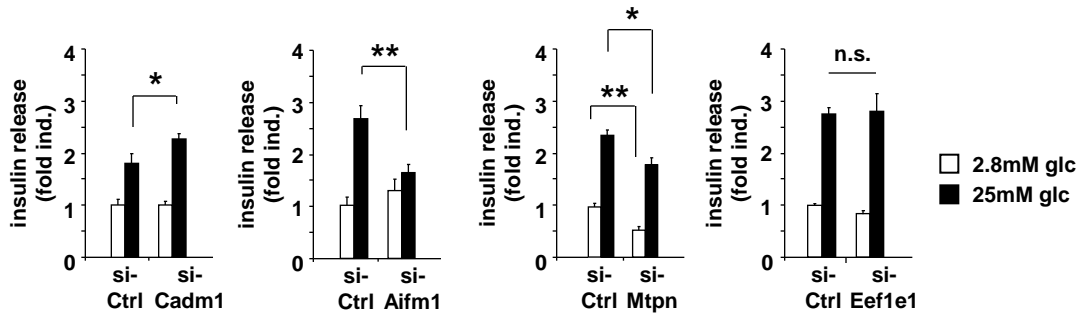
Supplementary Figure S1. Inhibition of *miR-375* results in enhanced secretion from MIN6 cells. (A) Western blotting analysis of Ago2 and β -actin after siRNA-mediated knockdown of *Ago2* or *Ago1* compared to scrambled control. (B) qRT-PCR analysis of *miR-375* after inhibition of *miR-375* in MIN6 cells compared to scrambled control (n=3). (C) Comparison of quantitative analysis of proteins present in supernatant after inhibition of *miR-375* in MIN6 cells after incubation in 25mM glucose with an experiment measuring proteins present in the supernatant of MIN6 cells after incubation in 25mM glucose (Hi Glc) versus 2.8mM glucose (Lo Glc). Proteins colored in red are defined as the secretome “signature”. (D) Seed enrichment analysis of genes encoding proteins detected in secretome experiments after either inhibition of *miR-375* (Cnt-375) or incubation with high (Hi Glc) and low glucose (Lo Glc).

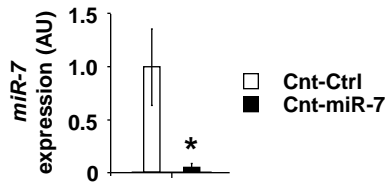
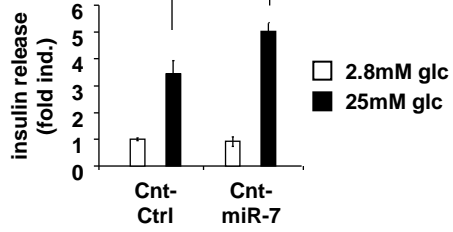
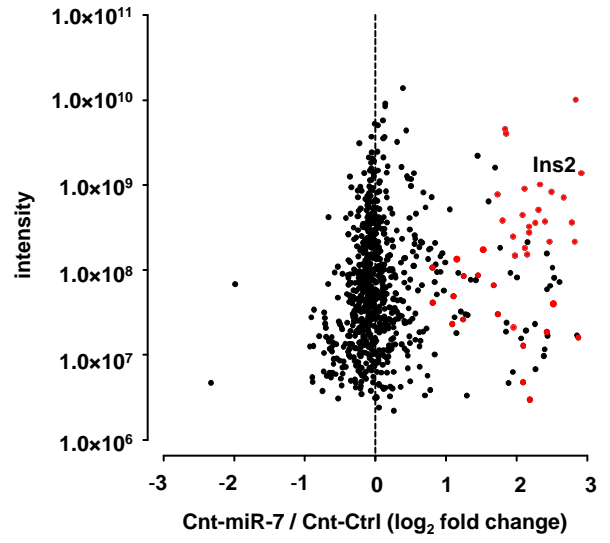
Supplementary Figure S2. Targets of *miR-375* contribute to insulin secretion. (A) qRT-PCR analysis after siRNA-mediated knockdown of *Gck*, *Elavl4*, *Gphn*, *Ywhaz*, *Cadm1*, *Aifm1*, *Mtpn* and *Eef1e1* in MIN6 cells compared to scrambled control (n=3). (B) Measurement of glucose-stimulated insulin release in MIN6 cells after siRNA-mediated knockdown of *Cadm1*, *Aifm1*, *Mtpn* and *Eef1e1* compared to scrambled controls (n=4).

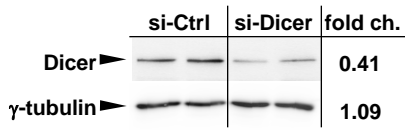
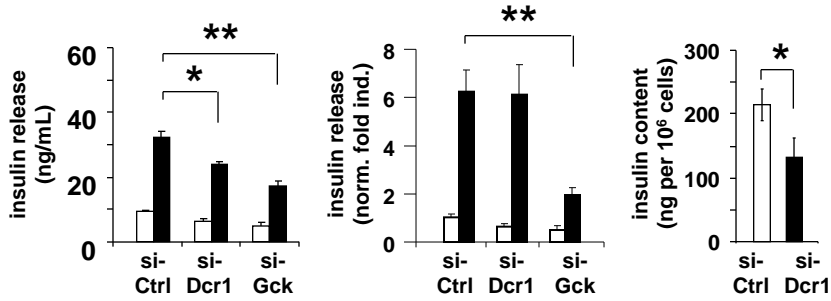
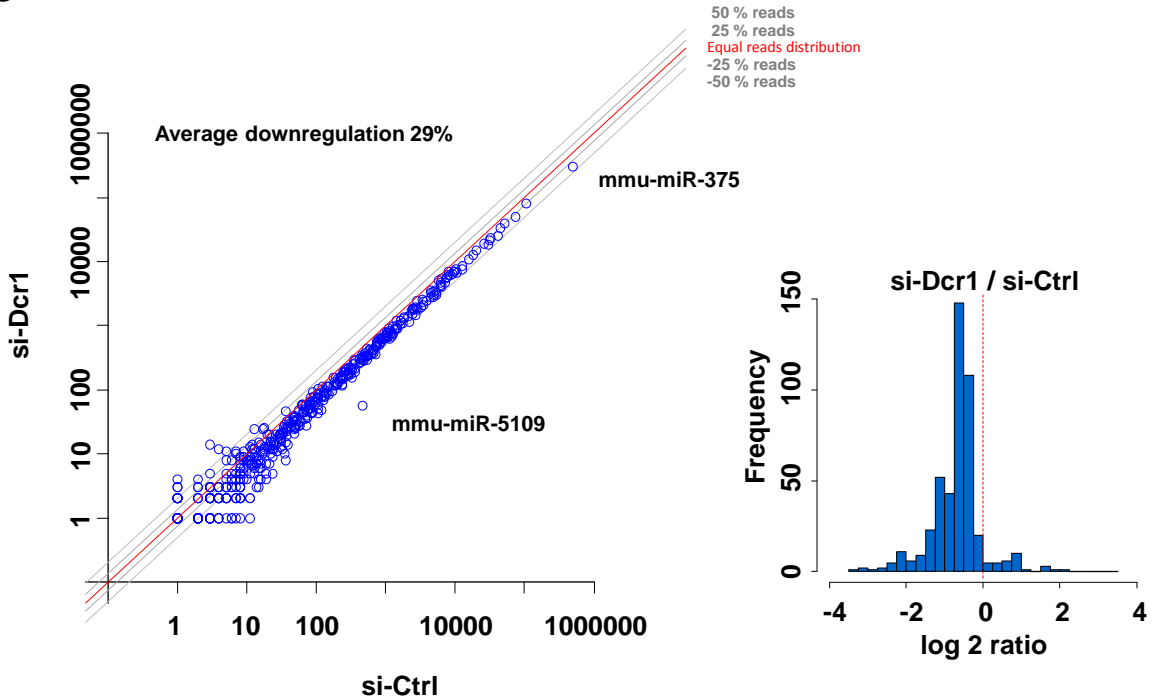
Supplementary Figure S3. Inhibition of *miR-7* results in enhanced secretion in MIN6 cells after treatment with high glucose. (A) qRT-PCR analysis of *miR-7* after inhibition in MIN6 cells relative to scrambled control. (B) Measurement of glucose-stimulated insulin release in MIN6 cells after inhibition of *miR-7* in MIN6 cells compared to scrambled control (n=4). (C) Quantitative analysis of proteins present in supernatant after inhibition of *miR-7* in MIN6 cells after incubation in 25mM glucose compared to scrambled control. Proteins colored in red are defined as the secretome “signature”.

Supplementary Figure S4. Loss of Dicer expression in MIN6 regulates insulin expression. (A) Western blotting analysis of Dicer and β -actin after siRNA-mediated knockdown of *Dicer* compared to scrambled control. Measurement of glucose-stimulated insulin release in MIN6 cells after siRNA-mediated knockdown of *Dcr1* and *Gck* compared to scrambled controls (n=4). (B) Normalized reads after knockdown of *Dicer* compared to scrambled control in MIN6 cells. Quantification of microRNA reads in MIN6 cells after siRNA-mediated knockdown of *Dcr1* compared to scrambled control.



A**B**

A**B****C**

A**B****C**

	Ratio	FC	Log2FC
avg	0.43	0.72	-0.62
sd	0.45	0.42	0.65

Supplementary Table 1. Small RNA sequencing analysis of MIN6 cell line and pancreatic islets

microRNA name	Wildtype.islets	microRNA name	MIN6.cells
Sum	13021878	Sum	906365
mmu-miR-375-3p	5175302	mmu-mir-375--3p	339147
mmu-miR-127-3p	1959855	mmu-mir-182--5p	57436
mmu-miR-148a-3p	1198119	mmu-mir-30a--5p	41663
mmu-miR-27b-3p	1086126	mmu-mir-148a--3p	38286
mmu-miR-26a-5p	450586	mmu-mir-22--3p	30464
mmu-miR-141-3p	290522	mmu-mir-340--5p	28427
mmu-let-7f-5p	260881	mmu-mir-27b--3p	26346
mmu-miR-22-3p	251099	mmu-mir-30e--5p	25772
mmu-miR-191-5p	196033	mmu-mir-30d--5p	21354
mmu-miR-30a-5p	157867	mmu-mir-191--5p	17112
mmu-miR-143-3p	115912	mmu-mir-26a-1--5p mmu-mir-26a-2--5p	16770
mmu-miR-30d-5p	88966	mmu-mir-25--3p	11678
mmu-miR-182-5p	85204	mmu-let-7f-1--5p mmu-let-7f-2--5p	11447
mmu-miR-99b-5p	83116	mmu-let-7i--5p	8071
mmu-miR-125a-5p	78894	mmu-mir-141--3p	8017
mmu-miR-10a-5p	75471	mmu-mir-26b--5p	7970
mmu-miR-541-5p	63169	mmu-mir-301a--3p	7783
mmu-miR-10b-5p	60769	mmu-let-7c-1--5p mmu-let-7c-2--5p	7518
mmu-miR-429-3p	58102	mmu-mir-16-1--5p mmu-mir-16-2--5p	6685
mmu-let-7c-5p	57183	mmu-mir-183--5p	6615
mmu-let-7a-5p	56694	mmu-mir-186--5p	5689
mmu-miR-411-5p	48528	mmu-mir-30b--5p	5681
mmu-miR-434-3p	42040	mmu-mir-378--3p	5621
mmu-miR-16-5p	41814	mmu-mir-21--5p	5444
mmu-let-7g-5p	38054	mmu-mir-29a--3p	5429
mmu-miR-126-5p	37930	mmu-let-7a-1--5p mmu-let-7a-2--5p	5088
mmu-miR-192-5p	37710	mmu-mir-30c-1--5p mmu-mir-30c-2--5p	5068
mmu-miR-410-3p	29952	mmu-let-7b--5p	4765
mmu-let-7i-5p	29295	mmu-mir-93--5p	4502
mmu-miR-151-3p	28957	mmu-mir-148b--3p	4469
mmu-miR-29a-3p	27334	mmu-mir-101a--3p	4332
mmu-miR-200a-3p	27113	mmu-mir-125a--5p	4304
mmu-miR-184-3p	26750	mmu-mir-181a-1--5p mmu-mir-181a-2--5p	4269
mmu-miR-181a-5p	26425	mmu-mir-99b--5p	3981
mmu-miR-200c-3p	22885	mmu-mir-192--5p	3784
mmu-miR-26b-5p	22583	mmu-let-7g--5p	3343
mmu-miR-204-5p	22209	mmu-mir-879--5p	3130
mmu-miR-30c-5p	22052	mmu-mir-151--3p	3043
mmu-let-7e-5p	20023	mmu-mir-106b--5p	2940
mmu-miR-200b-3p	17570	mmu-mir-98--5p	2858
mmu-miR-30e-5p	17277	mmu-mir-488--3p	2758
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mmu-miR-409-3p	15887	mmu-mir-101b--3p	2610
mmu-miR-23b-3p	15332	mmu-mir-151--5p	2463
mmu-miR-151-5p	15139	mmu-mir-138-1--5p mmu-mir-138-2--5p	2368
mmu-miR-7a-5p	15024	mmu-mir-200c--3p	2340
mmu-miR-183-5p	14968	mmu-mir-130a--3p	2312
mmu-miR-136-3p	14754	mmu-let-7d--5p	2263
mmu-miR-25-3p	14051	mmu-mir-140--3p	2131
mmu-miR-101a-3p	13998	mmu-mir-484--5p	2052
mmu-miR-186-5p	13226	mmu-mir-345--5p	1933
mmu-miR-24-3p	13102	mmu-mir-384--3p	1656
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mmu-miR-103-3p	12292	mmu-mir-153--3p	1572
mmu-miR-148b-3p	11516	mmu-mir-7a-2--3p	1534
mmu-miR-381-3p	10861	mmu-mir-146b--5p	1533
mmu-miR-92b-3p	10830	mmu-mir-872--3p	1468
mmu-let-7d-5p	9927	mmu-mir-421--3p	1449

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mmu-miR-21-5p	9728	mmu-mir-15b--5p	1440
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mmu-miR-98-5p	7808	mmu-mir-423--3p	1273
mmu-miR-125b-5p	7446	mmu-mir-384--5p	1229
mmu-miR-27a-3p	7380	mmu-mir-331--3p	1187
mmu-miR-181c-5p	7346	mmu-mir-383--5p	1166
mmu-miR-148a-5p	7313	mmu-mir-29c--3p	1148
mmu-miR-431-5p	7025	mmu-mir-23b--3p	1106
mmu-miR-423-5p	6979	mmu-mir-92b--3p	1055
mmu-miR-30b-5p	6882	mmu-mir-700--5p	1050
mmu-miR-1839-5p	6673	mmu-mir-7b--5p	988
mmu-miR-92a-3p	6343	mmu-mir-455--5p	969
mmu-miR-134-5p	6131	mmu-mir-532--5p	949
mmu-miR-129-5p	5810	mmu-mir-200b--3p	924
mmu-miR-7b-5p	5807	mmu-mir-320--3p	870
mmu-miR-146a-5p	5656	mmu-mir-455--3p	820
mmu-miR-126-3p	5428	mmu-mir-129-1--3p	812
mmu-miR-31-5p	5282	mmu-mir-184--3p	806
mmu-miR-30a-3p	5078	mmu-mir-325--3p	776
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mmu-miR-129-2-3p	4283	mmu-mir-744--5p	737
mmu-miR-421-3p	4275	mmu-let-7e--5p	736
mmu-miR-676-3p	4138	mmu-let-7d--3p	701
mmu-miR-29c-3p	3875	mmu-mir-598--3p	700
mmu-miR-136-5p	3669	mmu-mir-423--5p	696
mmu-miR-7a-2-3p	3650	mmu-mir-374--5p	682
mmu-miR-673-5p	3599	mmu-mir-129-1--5p mmu-mir-129-2--5p	658
mmu-miR-300-3p	3544	mmu-mir-301b--3p	641
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mmu-miR-132-3p	3423	mmu-mir-15b--3p	601
mmu-miR-341-3p	3255	mmu-mir-3099--3p	601
mmu-miR-486-5p	3255	mmu-mir-30e--3p	572
mmu-miR-3107-5p	3232	mmu-mir-195--5p	570
mmu-let-7d-3p	3165	mmu-mir-5115--5p	555
mmu-miR-328-3p	3160	mmu-mir-872--5p	554
mmu-miR-423-3p	3148	mmu-mir-152--5p	551
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mmu-miR-540-3p	1992	mmu-mir-152--3p	412
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mmu-miR-194-5p	1825	mmu-mir-338--3p	381
mmu-miR-369-5p	1810	mmu-mir-330--5p	378
mmu-miR-107-3p	1809	mmu-let-7b--3p	374
mmu-miR-383-5p	1711	mmu-mir-106b--3p	368
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mmu-miR-342-3p	1630	mmu-mir-708--3p	364
mmu-miR-320-3p	1607	mmu-mir-137--3p	350

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mmu-miR-532-5p	1530	mmu-mir-340--3p	340
mmu-miR-1843-5p	1467	mmu-mir-32--5p	325
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mmu-miR-484	1446	mmu-mir-130b--5p	285
mmu-miR-744-5p	1442	mmu-mir-3102--3p	285
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mmu-miR-125b-1-3p	616	mmu-mir-467c--5p	152
mmu-miR-667-3p	590	mmu-mir-30d--3p	150
mmu-miR-1224-5p	569	mmu-mir-140--5p	149
mmu-miR-485-5p	562	mmu-mir-1983--3p	147
mmu-miR-141-5p	552	mmu-mir-350--3p	145
mmu-miR-376b-3p	552	mmu-mir-1249--3p	140
mmu-miR-340-3p	544	mmu-mir-1839--3p	140
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mmu-miR-323-3p	540	mmu-mir-183--3p	135
mmu-miR-181d-5p	537	mmu-let-7c-2--3p	132
mmu-miR-93-5p	535	mmu-mir-129-2--3p	124
mmu-miR-872-3p	524	mmu-mir-532--3p	123
mmu-miR-212-3p	520	mmu-let-7f-2--3p	122
mmu-miR-30d-3p	513	mmu-mir-22--5p	115
mmu-miR-154-5p	499	mmu-mir-339--3p	114
mmu-miR-34b-3p	491	mmu-mir-670--3p	114
mmu-miR-345-3p	485	mmu-mir-188--5p	112
mmu-miR-29b-3p	474	mmu-let-7a-1--3p	111
mmu-miR-200a-5p	468	mmu-mir-141--5p	111
mmu-miR-27b-5p	466	mmu-mir-212--3p	104
mmu-miR-361-3p	455	mmu-mir-690--3p	103
mmu-miR-150-5p	432	mmu-mir-28--3p	101
mmu-miR-700-5p	411	mmu-mir-16-1--3p	97
mmu-miR-24-2-5p	401	mmu-mir-187--3p	96
mmu-miR-125a-3p	378	mmu-mir-125b-2--3p	95

mmu-miR-411-3p	378	mmu-mir-7a-1--3p	95
mmu-miR-130b-5p	374	mmu-let-7i--3p	94
mmu-miR-339-5p	344	mmu-let-7f-1--3p	92
mmu-miR-345-5p	329	mmu-mir-877--5p	90
mmu-miR-1839-3p	328	mmu-mir-29a--5p	83
mmu-miR-15b-5p	327	mmu-mir-338--5p	79
mmu-miR-335-5p	308	mmu-mir-99b--3p	79
mmu-miR-497-5p	308	mmu-mir-3068--3p	78
mmu-miR-200b-5p	296	mmu-mir-1843--5p	77
mmu-miR-485-3p	296	mmu-mir-677--5p	77
mmu-miR-374-5p	291	mmu-mir-99a--5p	77
mmu-miR-3102-3p	283	mmu-mir-24-2--5p	76
mmu-miR-376b-5p	283	mmu-mir-378--5p	76
mmu-miR-96-5p	283	mmu-mir-128-1--5p	71
mmu-miR-676-5p	282	mmu-mir-3096--5p	71
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mmu-miR-370-3p	277	mmu-mir-874--3p	67
mmu-miR-26b-3p	273	mmu-mir-98--3p	66
mmu-let-7f-2-3p	272	mmu-mir-5117--3p	65
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mmu-miR-376c-3p	272	mmu-mir-212--5p	63
mmu-miR-199a-3p	271	mmu-mir-30c-2--3p	63
mmu-miR-384-3p	269	mmu-mir-26b--3p	62
mmu-miR-301b-3p	264	mmu-mir-362--3p	62
mmu-miR-212-5p	262	mmu-mir-5121--3p	62
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mmu-miR-148b-5p	246	mmu-mir-3068--5p	51
mmu-miR-1943-5p	242	mmu-mir-501--3p	51
mmu-miR-329-5p	230	mmu-mir-5109--3p	51
mmu-miR-32-5p	228	mmu-mir-29c--5p	50
mmu-miR-671-5p	220	mmu-mir-301a--5p	50
mmu-miR-30c-1-3p	218	mmu-mir-1947--5p	49
mmu-miR-501-3p	215	mmu-mir-25--5p	48
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mmu-let-7c-2-3p	210	mmu-mir-425--3p	47
mmu-miR-145-3p	207	mmu-mir-744--3p	47
mmu-miR-379-3p	205	mmu-mir-344d-3--5p	46
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mmu-miR-330-3p	202	mmu-mir-221--3p	44
mmu-miR-325-3p	200	mmu-mir-467a-1--5p mmu-mir-467a-10--5p	44
mmu-miR-99b-3p	199	mmu-let-7g--3p	43
mmu-miR-98-3p	193	mmu-mir-219-1--3p	43
mmu-miR-125b-2-3p	190	mmu-mir-466c-1--5p mmu-mir-466c-2--5p	43
mmu-miR-3068-3p	190	mmu-mir-500--3p	43
mmu-miR-380-3p	188	mmu-mir-466g--3p	42
mmu-miR-19b-3p	186	mmu-mir-669l--5p	42
mmu-miR-425-3p	186	mmu-mir-15a--3p	41
mmu-miR-132-5p	184	mmu-mir-126--5p	40
mmu-miR-5109	180	mmu-mir-215--5p	39
mmu-miR-145-5p	175	mmu-mir-3107--5p	39
mmu-let-7e-3p	170	mmu-mir-346--5p	39
mmu-miR-149-5p	164	mmu-mir-486--5p	37
mmu-miR-708-3p	161	mmu-mir-222--3p	36
mmu-miR-1981-5p	160	mmu-mir-296--5p	36
mmu-miR-700-3p	158	mmu-mir-3082--3p	36
mmu-miR-34c-3p	152	mmu-mir-664--3p	36
mmu-miR-874-3p	149	mmu-mir-21--3p	35
mmu-miR-1947-5p	147	mmu-mir-466h--5p	33

mmu-miR-3082-3p	144	mmu-mir-33--5p	32
mmu-miR-1843b-3p	141	mmu-mir-344c--3p	32
mmu-miR-138-5p	139	mmu-mir-7b--3p	32
mmu-miR-500-3p	139	mmu-mir-204--5p	30
mmu-miR-5115	139	mmu-mir-27b--5p	30
mmu-miR-540-5p	133	mmu-mir-3470b--5p	30
mmu-miR-199b-3p	131	mmu-mir-122--5p	29
mmu-miR-219-1-3p	131	mmu-mir-5099--3p	29
mmu-let-7i-3p	128	mmu-mir-669d--5p mmu-mir-669d-2--5p	28
mmu-miR-7a-1-3p	128	mmu-mir-33--3p	27
mmu-miR-181c-3p	126	mmu-mir-877--3p	27
mmu-miR-299-3p	124	mmu-mir-101a--5p	26
mmu-miR-322-3p	124	mmu-mir-143--3p	26
mmu-miR-22-5p	122	mmu-mir-3078--5p	26
mmu-miR-106b-5p	119	mmu-mir-669a-1--3p mmu-mir-669a-10--3p	26
mmu-miR-210-3p	119	mmu-mir-3057--5p	25
mmu-miR-496-3p	119	mmu-mir-669f--5p	24
mmu-miR-329-3p	116	mmu-mir-676--5p	24
mmu-miR-30b-3p	114	mmu-mir-146a--5p	23
mmu-miR-181a-1-3p	112	mmu-mir-383--3p	23
mmu-miR-376a-5p	110	mmu-mir-466d--3p	23
mmu-miR-409-5p	110	mmu-mir-125a--3p	22
mmu-let-7f-1-3p	109	mmu-mir-138-2--3p	22
mmu-miR-344-3p	108	mmu-mir-26a-2--3p	22
mmu-miR-412-5p	107	mmu-mir-3473d--5p	22
mmu-miR-128-1-5p	105	mmu-mir-362--5p	22
mmu-miR-350-5p	102	mmu-mir-1968--5p	21
mmu-miR-665-3p	102	mmu-mir-541--5p	21
mmu-miR-376a-3p	100	mmu-mir-669a-1--5p mmu-mir-669a-10--5p	21
mmu-miR-185-5p	99	mmu-mir-1194--3p	20
mmu-miR-543-3p	96	mmu-mir-186--3p	20
mmu-miR-664-5p	95	mmu-mir-203--3p	20
mmu-miR-879-3p	95	mmu-mir-30c-1--3p	20
mmu-miR-7b-3p	94	mmu-mir-32--3p	20
mmu-miR-339-3p	91	mmu-mir-421--5p	20
mmu-miR-670-3p	91	mmu-mir-10b--5p	18
mmu-miR-375-5p	86	mmu-mir-135a-1--5p mmu-mir-135a-2--5p	17
mmu-miR-325-5p	85	mmu-mir-191--3p	17
mmu-miR-27a-5p	84	mmu-mir-30b--3p	17
mmu-miR-495-3p	84	mmu-mir-669e--5p	17
mmu-miR-139-5p	83	mmu-mir-10a--5p	16
mmu-miR-337-5p	83	mmu-mir-1199--5p	16
mmu-miR-3057-5p	82	mmu-mir-127--3p	16
mmu-miR-34b-5p	82	mmu-mir-1981--3p	16
mmu-miR-1964-3p	80	mmu-mir-297b--5p	16
mmu-miR-331-3p	79	mmu-mir-410--3p	16
mmu-miR-338-5p	77	mmu-mir-802--5p	16
mmu-miR-770-3p	73	mmu-mir-1981--5p	15
mmu-miR-350-3p	72	mmu-mir-219-1--5p mmu-mir-219-2--5p	15
mmu-miR-24-1-5p	71	mmu-mir-3061--3p	15
mmu-miR-802-5p	71	mmu-mir-3066--5p	15
mmu-miR-324-3p	70	mmu-mir-3084--3p	15
mmu-miR-377-5p	70	mmu-mir-1191--3p	14
mmu-miR-34a-5p	68	mmu-mir-1196--5p	14
mmu-miR-674-3p	68	mmu-mir-1933--3p	14
mmu-miR-377-3p	65	mmu-mir-2137--3p	14
mmu-miR-195-3p	63	mmu-mir-582--3p	14
mmu-miR-3072-3p	63	mmu-mir-669b--5p	14
mmu-miR-342-5p	63	mmu-mir-29b-2--5p	13
mmu-miR-532-3p	63	mmu-mir-3074-1--3p	13
mmu-miR-708-5p	62	mmu-mir-3098--5p	13
mmu-miR-877-5p	62	mmu-mir-3473b--3p	13
mmu-miR-1843-3p	61	mmu-mir-375--5p	13

mmu-miR-218-5p	61	mmu-mir-672--5p	13
mmu-miR-221-5p	61	mmu-mir-9-1--5p mmu-mir-9-2--5p mmu-m	13
mmu-miR-3096-5p	61	mmu-mir-200c--5p	12
mmu-miR-582-5p	61	mmu-mir-3096b--3p	12
mmu-miR-877-3p	61	mmu-mir-664--5p	12
mmu-miR-378-5p	60	mmu-mir-669a-3--3p	12
mmu-miR-217-5p	59	mmu-mir-1843b--3p	11
mmu-miR-224-5p	59	mmu-mir-1964--3p	11
mmu-miR-299-5p	58	mmu-mir-296--3p	11
mmu-miR-539-5p	58	mmu-mir-3473--3p	11
mmu-miR-9-5p	58	mmu-mir-466n--3p	11
mmu-miR-1193-3p	54	mmu-mir-670--5p	11
mmu-miR-215-3p	54	mmu-let-7e--3p	10
mmu-miR-324-5p	52	mmu-mir-124-1--5p mmu-mir-124-2--5p mn	10
mmu-miR-17-5p	51	mmu-mir-126--3p	10
mmu-miR-431-3p	50	mmu-mir-1934--5p	10
mmu-miR-1193-5p	48	mmu-mir-210--5p	10
mmu-miR-672-5p	48	mmu-mir-29b-1--5p	10
mmu-miR-222-5p	47	mmu-mir-3060--3p	10
mmu-miR-296-5p	47	mmu-mir-411--5p	10
mmu-miR-140-5p	46	mmu-mir-505--3p	10
mmu-miR-183-3p	46	mmu-mir-5102--5p	10
mmu-miR-543-5p	46	mmu-mir-5128--3p	10
mmu-miR-451	45	mmu-mir-188--3p	9
mmu-miR-770-5p	45	mmu-mir-26a-1--3p	9
mmu-miR-455-5p	43	mmu-mir-27a--5p	9
mmu-miR-191-3p	42	mmu-mir-297a-1--5p mmu-mir-297a-2--3p l	9
mmu-miR-1224-3p	40	mmu-mir-3069--3p	9
mmu-miR-122-5p	39	mmu-mir-331--5p	9
mmu-miR-3086-5p	39	mmu-mir-381--3p	9
mmu-miR-802-3p	39	mmu-mir-466b-1--3p mmu-mir-466b-2--3p l	9
mmu-miR-410-5p	38	mmu-mir-467a-1--3p mmu-mir-467a-10--3p	9
mmu-miR-494-3p	38	mmu-mir-505--5p	9
mmu-miR-5099	37	mmu-mir-139--5p	8
mmu-miR-362-3p	36	mmu-mir-181b-1--3p	8
mmu-miR-29c-5p	35	mmu-mir-190b--5p	8
mmu-miR-92a-1-5p	35	mmu-mir-1965--3p	8
mmu-miR-3072-5p	34	mmu-mir-200b--5p	8
mmu-miR-134-3p	33	mmu-mir-301b--5p	8
mmu-miR-1196-5p	32	mmu-mir-3085--3p	8
mmu-miR-155-5p	32	mmu-mir-3089--3p	8
mmu-miR-433-5p	32	mmu-mir-470--5p	8
mmu-miR-667-5p	32	mmu-mir-501--5p	8
mmu-miR-1968-5p	31	mmu-mir-5117--5p	8
mmu-miR-365-3p	31	mmu-mir-103-2--5p	7
mmu-miR-370-5p	31	mmu-mir-1306--3p	7
mmu-miR-1247-5p	30	mmu-mir-137--5p	7
mmu-miR-16-2-3p	30	mmu-mir-181c--5p	7
mmu-miR-21-3p	29	mmu-mir-182--3p	7
mmu-miR-29a-5p	29	mmu-mir-1957--5p	7
mmu-miR-493-5p	29	mmu-mir-200a--5p	7
mmu-miR-93-3p	29	mmu-mir-208b--3p	7
mmu-miR-101c	28	mmu-mir-3057--3p	7
mmu-miR-20a-5p	28	mmu-mir-3470a--5p	7
mmu-miR-29b-2-5p	28	mmu-mir-652--5p	7
mmu-miR-3084-3p	28	mmu-mir-879--3p	7
mmu-miR-455-3p	27	mmu-mir-130a--5p	6
mmu-miR-15b-3p	26	mmu-mir-136--3p	6
mmu-miR-199a-5p	26	mmu-mir-185--3p	6
mmu-miR-744-3p	26	mmu-mir-193b--3p	6
mmu-miR-187-5p	25	mmu-mir-1943--5p	6
mmu-let-7g-3p	24	mmu-mir-1945--3p	6
mmu-miR-194-1-3p	24	mmu-mir-297c--5p	6

mmu-miR-190b-5p	23	mmu-mir-3061--5p	6
mmu-miR-133a-3p	22	mmu-mir-326--3p	6
mmu-miR-223-3p	22	mmu-mir-34a--3p	6
mmu-miR-702	22	mmu-mir-409--3p	6
mmu-miR-19a-3p	21	mmu-mir-467b--5p	6
mmu-miR-378b	21	mmu-mir-5122--5p	6
mmu-miR-1191	20	mmu-mir-874--5p	6
mmu-miR-214-3p	20	mmu-mir-1251--5p	5
mmu-miR-341-5p	20	mmu-mir-192--3p	5
mmu-miR-344d-3p	20	mmu-mir-341--3p	5
mmu-miR-542-3p	20	mmu-mir-342--5p	5
mmu-miR-704	20	mmu-mir-344b--3p	5
mmu-miR-874-5p	20	mmu-mir-3968--3p	5
mmu-miR-10a-3p	19	mmu-mir-5113--5p	5
mmu-miR-143-5p	19	mmu-mir-5126--3p	5
mmu-miR-296-3p	19	mmu-mir-669e--3p	5
mmu-miR-3061-3p	19	mmu-mir-669f--3p	5
mmu-miR-450a-5p	19	mmu-mir-669m-1--3p mmu-mir-669m-2--3p	5
mmu-miR-490-3p	19	mmu-mir-99a--3p	5
mmu-miR-5102	19	mmu-mir-1224--3p	4
mmu-miR-677-5p	19	mmu-mir-147--3p	4
mmu-miR-758-3p	19	mmu-mir-190--3p	4
mmu-miR-1955-5p	18	mmu-mir-221--5p	4
mmu-miR-486-3p	18	mmu-mir-300--3p	4
mmu-miR-592-5p	18	mmu-mir-3069--5p	4
mmu-miR-135a-5p	17	mmu-mir-3074-1--5p mmu-mir-3074-2--5p	4
mmu-miR-205-3p	17	mmu-mir-344f--3p	4
mmu-miR-210-5p	17	mmu-mir-466a--5p	4
mmu-miR-216b-5p	17	mmu-mir-466d--5p	4
mmu-miR-3060-3p	17	mmu-mir-466h--3p	4
mmu-miR-31-3p	17	mmu-mir-491--3p	4
mmu-miR-679-5p	17	mmu-mir-497--3p	4
mmu-miR-760-3p	17	mmu-mir-500--5p	4
mmu-miR-101a-5p	16	mmu-mir-5114--5p	4
mmu-miR-33-3p	16	mmu-mir-592--5p	4
mmu-miR-3470b	16	mmu-mir-669p-1--5p mmu-mir-669p-2--5p	4
mmu-miR-467d-5p	16	mmu-mir-760--3p	4
mmu-miR-185-3p	15	mmu-mir-873--5p	4
mmu-miR-216a-5p	15	mmu-mir-92b--5p	4
mmu-miR-3076-3p	15	mmu-mir-1843--3p	3
mmu-miR-412-3p	15	mmu-mir-1929--5p	3
mmu-miR-124-3p	14	mmu-mir-1950--5p	3
mmu-miR-200c-5p	14	mmu-mir-1960--5p	3
mmu-miR-211-5p	14	mmu-mir-199a-1--3p mmu-mir-199a-2--3p	3
mmu-miR-26a-1-3p	14	mmu-mir-297a-3--3p mmu-mir-297a-4--3p	3
mmu-miR-26a-2-3p	14	mmu-mir-3066--3p	3
mmu-miR-3087-3p	14	mmu-mir-3092--3p	3
mmu-miR-690	14	mmu-mir-3098--3p	3
mmu-miR-380-5p	13	mmu-mir-351--5p	3
mmu-miR-154-3p	12	mmu-mir-378b--3p	3
mmu-miR-17-3p	12	mmu-mir-466f-1--5p mmu-mir-466f-2--5p m	3
mmu-miR-1933-3p	12	mmu-mir-466l--3p	3
mmu-miR-3074-5p	12	mmu-mir-466n--5p	3
mmu-miR-331-5p	12	mmu-mir-598--5p	3
mmu-miR-3572	12	mmu-mir-669o--3p	3
mmu-miR-25-5p	11	mmu-mir-704--3p	3
mmu-miR-326-3p	11	mmu-mir-881--3p	3
mmu-miR-3970	11	mmu-mir-103-1--5p	2
mmu-miR-1188-5p	10	mmu-mir-107--5p	2
mmu-miR-138-2-3p	10	mmu-mir-1195--5p	2
mmu-miR-467a-5p	10	mmu-mir-1199--3p	2
mmu-miR-493-3p	10	mmu-mir-122--3p	2
mmu-miR-5121	10	mmu-mir-134--5p	2

mmu-miR-1194	9	mmu-mir-146b--3p	2
mmu-miR-144-5p	9	mmu-mir-187--5p	2
mmu-miR-194-2-3p	9	mmu-mir-1930--5p	2
mmu-miR-204-3p	9	mmu-mir-1930--3p	2
mmu-miR-28c	9	mmu-mir-1934--3p	2
mmu-miR-5105	9	mmu-mir-194-2--3p	2
mmu-miR-674-5p	9	mmu-mir-1955--5p	2
mmu-miR-10b-3p	8	mmu-mir-1969--5p	2
mmu-miR-18a-5p	8	mmu-mir-199b--3p	2
mmu-miR-216a-3p	8	mmu-mir-1b--3p	2
mmu-miR-23b-5p	8	mmu-mir-215--3p	2
mmu-miR-3084-5p	8	mmu-mir-218-1--5p mmu-mir-218-2--5p	2
mmu-miR-382-3p	8	mmu-mir-297a-5--3p	2
mmu-miR-450b-5p	8	mmu-mir-297b--3p	2
mmu-miR-544-3p	8	mmu-mir-3064--3p	2
mmu-miR-1198-3p	7	mmu-mir-3067--5p	2
mmu-miR-18a-3p	7	mmu-mir-3078--3p	2
mmu-miR-301a-5p	7	mmu-mir-3080--3p	2
mmu-miR-3068-5p	7	mmu-mir-3080--5p	2
mmu-miR-3103-3p	7	mmu-mir-3082--5p	2
mmu-miR-323-5p	7	mmu-mir-3084--5p	2
mmu-miR-344c-3p	7	mmu-mir-3088--3p	2
mmu-miR-3473	7	mmu-mir-3103--3p	2
mmu-miR-362-5p	7	mmu-mir-3108--5p	2
mmu-miR-363-3p	7	mmu-mir-344g--5p	2
mmu-miR-669c-5p	7	mmu-mir-3474--5p	2
mmu-miR-1231-3p	6	mmu-mir-34c--5p	2
mmu-miR-135a-2-3p	6	mmu-mir-434--3p	2
mmu-miR-137-3p	6	mmu-mir-466c-1--3p mmu-mir-466c-2--3p	2
mmu-miR-142-3p	6	mmu-mir-466m--3p	2
mmu-miR-188-5p	6	mmu-mir-467e--3p	2
mmu-miR-190-5p	6	mmu-mir-499--5p	2
mmu-miR-1960	6	mmu-mir-615--3p	2
mmu-miR-3064-5p	6	mmu-mir-669i--3p	2
mmu-miR-383-3p	6	mmu-mir-669p-1--3p mmu-mir-669p-2--3p	2
mmu-miR-501-5p	6	mmu-mir-701--5p	2
mmu-miR-503-3p	6	mmu-mir-802--3p	2
mmu-miR-669a-3p	6	mmu-mir-871--3p	2
mmu-miR-670-5p	6	mmu-mir-101c--3p	2
mmu-miR-144-3p	5	mmu-mir-5132--3p	2
mmu-miR-146b-3p	5	mmu-let-7c-1--3p	1
mmu-miR-1927	5	mmu-mir-101b--5p	1
mmu-miR-1934-5p	5	mmu-mir-1198--3p	1
mmu-miR-20a-3p	5	mmu-mir-128-2--5p	1
mmu-miR-29b-1-5p	5	mmu-mir-1306--5p	1
mmu-miR-3061-5p	5	mmu-mir-142--5p	1
mmu-miR-3066-5p	5	mmu-mir-144--5p	1
mmu-miR-3077-3p	5	mmu-mir-150--5p	1
mmu-miR-3089-3p	5	mmu-mir-181d--5p	1
mmu-miR-3470a	5	mmu-mir-190b--3p	1
mmu-miR-466b-3p	5	mmu-mir-1927--3p	1
mmu-miR-494-5p	5	mmu-mir-194-1--3p	1
mmu-miR-5113	5	mmu-mir-1941--3p	1
mmu-miR-668-5p	5	mmu-mir-1943--3p	1
mmu-miR-679-3p	5	mmu-mir-1953--5p	1
mmu-miR-1199-5p	4	mmu-mir-1955--3p	1
mmu-miR-1231-5p	4	mmu-mir-199a-1--5p mmu-mir-199a-2--5p	1
mmu-miR-138-1-3p	4	mmu-mir-201--5p	1
mmu-miR-147-3p	4	mmu-mir-203--5p	1
mmu-miR-182-3p	4	mmu-mir-205--5p	1
mmu-miR-1948-3p	4	mmu-mir-218-1--3p	1
mmu-miR-1983	4	mmu-mir-224--5p	1
mmu-miR-201-5p	4	mmu-mir-28c--3p	1

mmu-miR-203-5p	4	mmu-mir-294--3p	1
mmu-miR-214-5p	4	mmu-mir-295--3p	1
mmu-miR-344b-3p	4	mmu-mir-298--3p	1
mmu-miR-3473b	4	mmu-mir-3062--5p	1
mmu-miR-488-5p	4	mmu-mir-3064--5p	1
mmu-miR-5122	4	mmu-mir-3075--5p	1
mmu-miR-873-5p	4	mmu-mir-3081--3p	1
mmu-miR-92b-5p	4	mmu-mir-3099--5p	1
mmu-miR-16-1-3p	3	mmu-mir-3104--3p	1
mmu-miR-181b-1-3p	3	mmu-mir-3112--5p	1
mmu-miR-184-5p	3	mmu-mir-328--5p	1
mmu-miR-186-3p	3	mmu-mir-344e--3p	1
mmu-miR-188-3p	3	mmu-mir-344f--5p	1
mmu-miR-1945	3	mmu-mir-3572--3p	1
mmu-miR-1948-5p	3	mmu-mir-365-2--3p	1
mmu-miR-219-5p	3	mmu-mir-369--3p	1
mmu-miR-300-5p	3	mmu-mir-369--5p	1
mmu-miR-3080-5p	3	mmu-mir-374c--5p	1
mmu-miR-3083-5p	3	mmu-mir-376c--3p	1
mmu-miR-3087-5p	3	mmu-mir-379--5p	1
mmu-miR-3103-5p	3	mmu-mir-380--3p	1
mmu-miR-3104-3p	3	mmu-mir-382--5p	1
mmu-miR-3110-5p	3	mmu-mir-429--5p	1
mmu-miR-3968	3	mmu-mir-448--3p	1
mmu-miR-466g	3	mmu-mir-449a--5p	1
mmu-miR-466h-3p	3	mmu-mir-463--5p	1
mmu-miR-467e-5p	3	mmu-mir-465b-1--5p mmu-mir-465b-2--5p	1
mmu-miR-488-3p	3	mmu-mir-465c-1--5p mmu-mir-465c-2--5p	1
mmu-miR-490-5p	3	mmu-mir-466a--3p	1
mmu-miR-496-5p	3	mmu-mir-466e--3p	1
mmu-miR-5132	3	mmu-mir-466e--5p	1
mmu-miR-541-3p	3	mmu-mir-466p--3p	1
mmu-miR-542-5p	3	mmu-mir-466p--5p	1
mmu-miR-5709	3	mmu-mir-466q--3p	1
mmu-miR-669a-5p	3	mmu-mir-467c--3p	1
mmu-miR-669l-5p	3	mmu-mir-467d--3p	1
mmu-miR-96-3p	3	mmu-mir-491--5p	1
mmu-let-7c-1-3p	2	mmu-mir-5119--3p	1
mmu-miR-1197-3p	2	mmu-mir-5134--5p	1
mmu-miR-1247-3p	2	mmu-mir-547--3p	1
mmu-miR-1306-3p	2	mmu-mir-668--3p	1
mmu-miR-150-3p	2	mmu-mir-669b--3p	1
mmu-miR-15a-3p	2	mmu-mir-669c--3p	1
mmu-miR-1892	2	mmu-mir-669h--5p	1
mmu-miR-190-3p	2	mmu-mir-672--3p	1
mmu-miR-192-3p	2	mmu-mir-873--3p	1
mmu-miR-1930-5p	2	mmu-mir-880--3p	1
mmu-miR-193b-3p	2	mmu-mir-96--3p	1
mmu-miR-1940	2	mmu-mir-184--5p	1
mmu-miR-1955-3p	2	mmu-mir-1935--3p	1
mmu-miR-20b-5p	2	mmu-mir-1938--3p	1
mmu-miR-217-3p	2	mmu-mir-1969--3p	1
mmu-miR-297a-3p	2	mmu-mir-3470b--3p	1
mmu-miR-298-3p	2	mmu-mir-3473d--3p	1
mmu-miR-3057-3p	2	mmu-mir-5098--3p	1
mmu-miR-3058-5p	2	mmu-mir-5128--5p	1
mmu-miR-3070a-5p	2	mmu-mir-5133--3p	1
mmu-miR-3070b-5p	2	mmu-mir-5134--3p	1
mmu-miR-3074-1-3p	2	mmu-mir-669d-2--3p	1
mmu-miR-3088-3p	2	mmu-mir-669j--5p	1
mmu-miR-3098-3p	2	mmu-mir-686--3p	1
mmu-miR-3098-5p	2	mmu-mir-100--5p	0
mmu-miR-3102-5p	2	mmu-mir-1186--5p	0

mmu-miR-32-3p	2	mmu-mir-1187--3p	0
mmu-miR-33-5p	2	mmu-mir-1298--5p	0
mmu-miR-421-5p	2	mmu-mir-133a-1--3p mmu-mir-133a-2--3p	0
mmu-miR-450b-3p	2	mmu-mir-135a-2--3p	0
mmu-miR-466d-3p	2	mmu-mir-136--5p	0
mmu-miR-467a-3p	2	mmu-mir-139--3p	0
mmu-miR-467c-5p	2	mmu-mir-142--3p	0
mmu-miR-483-5p	2	mmu-mir-144--3p	0
mmu-miR-495-5p	2	mmu-mir-155--5p	0
mmu-miR-499-5p	2	mmu-mir-181c--3p	0
mmu-miR-5101	2	mmu-mir-193--3p	0
mmu-miR-5615-5p	2	mmu-mir-1932--3p	0
mmu-miR-5627-3p	2	mmu-mir-1933--5p	0
mmu-miR-598-5p	2	mmu-mir-1936--3p	0
mmu-miR-669o-5p	2	mmu-mir-1940--5p	0
mmu-miR-701-3p	2	mmu-mir-1949--3p	0
mmu-miR-714	2	mmu-mir-1951--3p	0
mmu-miR-9-3p	2	mmu-mir-1956--5p	0
mmu-miR-99a-3p	2	mmu-mir-1958--3p	0
mmu-let-7a-2-3p	1	mmu-mir-1964--5p	0
mmu-miR-100-3p	1	mmu-mir-1966--5p	0
mmu-miR-107-5p	1	mmu-mir-1968--3p	0
mmu-miR-1195	1	mmu-mir-196a-2--5p	0
mmu-miR-1298-5p	1	mmu-mir-196b--5p	0
mmu-miR-130a-5p	1	mmu-mir-1970--5p	0
mmu-miR-139-3p	1	mmu-mir-199b--5p	0
mmu-miR-153-5p	1	mmu-mir-19b-2--3p	0
mmu-miR-1929-5p	1	mmu-mir-1b--5p	0
mmu-miR-193-3p	1	mmu-mir-201--3p	0
mmu-miR-193-5p	1	mmu-mir-211--5p	0
mmu-miR-1932	1	mmu-mir-222--5p	0
mmu-miR-1949	1	mmu-mir-23a--5p	0
mmu-miR-1957	1	mmu-mir-23b--5p	0
mmu-miR-1968-3p	1	mmu-mir-291a--5p	0
mmu-miR-196a-5p	1	mmu-mir-297c--3p	0
mmu-miR-196b-5p	1	mmu-mir-299--5p	0
mmu-miR-1970	1	mmu-mir-302b--3p	0
mmu-miR-219-2-3p	1	mmu-mir-3058--5p	0
mmu-miR-23a-5p	1	mmu-mir-3058--3p	0
mmu-miR-28b	1	mmu-mir-3065--5p	0
mmu-miR-297b-3p	1	mmu-mir-3067--3p	0
mmu-miR-297c-3p	1	mmu-mir-3076--3p	0
mmu-miR-299b-3p	1	mmu-mir-3076--5p	0
mmu-miR-3069-3p	1	mmu-mir-3077--3p	0
mmu-miR-3069-5p	1	mmu-mir-3083--5p	0
mmu-miR-3070b-3p	1	mmu-mir-3086--3p	0
mmu-miR-3079-5p	1	mmu-mir-3086--5p	0
mmu-miR-3083-3p	1	mmu-mir-3087--3p	0
mmu-miR-3085-3p	1	mmu-mir-3087--5p	0
mmu-miR-3086-3p	1	mmu-mir-3091--3p	0
mmu-miR-3091-3p	1	mmu-mir-3091--5p	0
mmu-miR-3099-5p	1	mmu-mir-3095--3p	0
mmu-miR-3107-3p	1	mmu-mir-3096--3p	0
mmu-miR-3109-3p	1	mmu-mir-3101--5p	0
mmu-miR-328-5p	1	mmu-mir-3101--3p	0
mmu-miR-344e-3p	1	mmu-mir-3102--5p	0
mmu-miR-344g-3p	1	mmu-mir-3109--5p	0
mmu-miR-3473d	1	mmu-mir-3110--5p	0
mmu-miR-351-3p	1	mmu-mir-3113--5p	0
mmu-miR-376c-5p	1	mmu-mir-320--5p	0
mmu-miR-3964	1	mmu-mir-322--5p	0
mmu-miR-463-5p	1	mmu-mir-329--5p	0
mmu-miR-466a-3p	1	mmu-mir-344-1--5p	0

mmu-miR-466c-3p	1	mmu-mir-344d-1--5p	0
mmu-miR-466e-3p	1	mmu-mir-344g--3p	0
mmu-miR-466f-3p	1	mmu-mir-3471-1--5p	0
mmu-miR-466h-5p	1	mmu-mir-376b--5p	0
mmu-miR-466p-3p	1	mmu-mir-377--3p	0
mmu-miR-466q	1	mmu-mir-379--3p	0
mmu-miR-467b-5p	1	mmu-mir-3970--5p	0
mmu-miR-467h	1	mmu-mir-411--3p	0
mmu-miR-470-5p	1	mmu-mir-449a--3p	0
mmu-miR-483-3p	1	mmu-mir-450b--5p	0
mmu-miR-497-3p	1	mmu-mir-451--5p	0
mmu-miR-504-5p	1	mmu-mir-465a--5p	0
mmu-miR-505-3p	1	mmu-mir-465c-2--3p	0
mmu-miR-5100	1	mmu-mir-466b-1--5p mmu-mir-466b-2--5p	0
mmu-miR-5107	1	mmu-mir-466i--5p	0
mmu-miR-511-5p	1	mmu-mir-466j--3p	0
mmu-miR-5114	1	mmu-mir-466k--5p	0
mmu-miR-5117-5p	1	mmu-mir-466l--5p	0
mmu-miR-5119	1	mmu-mir-466m--5p	0
mmu-miR-5126	1	mmu-mir-466o--3p	0
mmu-miR-5128	1	mmu-mir-466o--5p	0
mmu-miR-5133	1	mmu-mir-467b--3p	0
mmu-miR-539-3p	1	mmu-mir-467f--3p	0
mmu-miR-544-5p	1	mmu-mir-471--5p	0
mmu-miR-547-3p	1	mmu-mir-486--3p	0
mmu-miR-5624-3p	1	mmu-mir-494--3p	0
mmu-miR-615-3p	1	mmu-mir-5097--3p	0
mmu-miR-615-5p	1	mmu-mir-5100--3p	0
mmu-miR-669d-5p	1	mmu-mir-5105--5p	0
mmu-miR-669e-5p	1	mmu-mir-511--3p	0
mmu-miR-669f-3p	1	mmu-mir-5116--5p	0
mmu-miR-669o-3p	1	mmu-mir-5120--5p	0
mmu-miR-669p-5p	1	mmu-mir-5123--3p mmu-mir-5123--5p	0
mmu-miR-672-3p	1	mmu-mir-5125--3p	0
mmu-miR-701-5p	1	mmu-mir-5132--5p	0
mmu-miR-712-5p	1	mmu-mir-666--3p	0
mmu-miR-101b-5p	0	mmu-mir-666--5p	0
mmu-miR-103-1-5p	0	mmu-mir-667--3p	0
mmu-miR-103-2-5p	0	mmu-mir-669g--5p	0
mmu-miR-106a-3p	0	mmu-mir-669k--5p	0
mmu-miR-106a-5p	0	mmu-mir-669l--3p	0
mmu-miR-1186b	0	mmu-mir-669m-1--5p mmu-mir-669m-2--5p	0
mmu-miR-1188-3p	0	mmu-mir-673--5p	0
mmu-miR-122-3p	0	mmu-mir-693--5p	0
mmu-miR-124-5p	0	mmu-mir-701--3p	0
mmu-miR-1251-5p	0	mmu-mir-702--3p	0
mmu-miR-1264-3p	0	mmu-mir-709--3p	0
mmu-miR-1264-5p	0	mmu-mir-712--5p	0
mmu-miR-128-2-5p	0	mmu-mir-714--5p	0
mmu-miR-1298-3p	0	mmu-mir-742--3p	0
mmu-miR-1306-5p	0	mmu-mir-743a--3p	0
mmu-miR-133a-5p	0	mmu-mir-743b--3p	0
mmu-miR-133b-3p	0	mmu-mir-760--5p	0
mmu-miR-135a-1-3p	0	mmu-mir-878--5p	0
mmu-miR-135b-3p	0	mmu-mir-9-1--3p	0
mmu-miR-135b-5p	0	mmu-mir-92a-1--3p	0
mmu-miR-137-5p	0	mmu-mir-1192--3p	0
mmu-miR-146a-3p	0	mmu-mir-1951--5p	0
mmu-miR-155-3p	0	mmu-mir-3470a--3p	0
mmu-miR-181a-2-3p	0	mmu-mir-3572--5p	0
mmu-miR-181b-2-3p	0	mmu-mir-466f-1--3p	0
mmu-miR-1893	0	mmu-mir-466f-2--3p	0
mmu-miR-18b-5p	0	mmu-mir-466q--5p	0

mmu-miR-190b-3p	0	mmu-mir-5105--3p	0
mmu-miR-1912-3p	0	mmu-mir-5125--5p	0
mmu-miR-1933-5p	0	mmu-mir-5129--3p	0
mmu-miR-1934-3p	0	mmu-mir-5131--5p	0
mmu-miR-1938	0	mmu-mir-714--3p	0
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mmu-miR-1941-3p	0		
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mmu-miR-1943-3p	0		
mmu-miR-1947-3p	0		
mmu-miR-1950	0		
mmu-miR-1953	0		
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mmu-miR-1965	0		
mmu-miR-1966	0		
mmu-miR-1969	0		
mmu-miR-196b-3p	0		
mmu-miR-1982-5p	0		
mmu-miR-199b-5p	0		
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mmu-miR-202-5p	0		
mmu-miR-206-3p	0		
mmu-miR-208b-3p	0		
mmu-miR-211-3p	0		
mmu-miR-2137	0		
mmu-miR-216b-3p	0		
mmu-miR-218-1-3p	0		
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mmu-miR-223-5p	0		
mmu-miR-291a-5p	0		
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mmu-miR-3075-5p	0		
mmu-miR-3076-5p	0		

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mmu-miR-320-5p	0
mmu-miR-344d-1-5p	0
mmu-miR-344d-3-5p	0
mmu-miR-344f-3p	0
mmu-miR-344f-5p	0
mmu-miR-344g-5p	0
mmu-miR-344i	0
mmu-miR-346-5p	0
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mmu-miR-448-5p	0
mmu-miR-449a-5p	0
mmu-miR-449b	0
mmu-miR-450a-1-3p	0
mmu-miR-450a-2-3p	0
mmu-miR-452-5p	0
mmu-miR-465a-3p	0
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mmu-miR-466a-5p	0
mmu-miR-466b-5p	0
mmu-miR-466c-5p	0
mmu-miR-466d-5p	0
mmu-miR-466e-5p	0

mmu-miR-466f-5p	0
mmu-miR-466i-5p	0
mmu-miR-466k	0
mmu-miR-466m-3p	0
mmu-miR-466n-3p	0
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mmu-miR-499-3p	0
mmu-miR-500-5p	0
mmu-miR-503-5p	0
mmu-miR-504-3p	0
mmu-miR-505-5p	0
mmu-miR-5097	0
mmu-miR-5103	0
mmu-miR-5104	0
mmu-miR-511-3p	0
mmu-miR-5116	0
mmu-miR-5117-3p	0
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mmu-miR-5134	0
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mmu-miR-5710	0
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mmu-miR-669a-3-3p	0
mmu-miR-669b-5p	0
mmu-miR-669f-5p	0
mmu-miR-669h-5p	0
mmu-miR-669k-5p	0
mmu-miR-692	0
mmu-miR-693-3p	0
mmu-miR-694	0
mmu-miR-709	0
mmu-miR-741-3p	0
mmu-miR-743a-5p	0
mmu-miR-743b-3p	0

mmu-miR-760-5p	0
mmu-miR-764-3p	0
mmu-miR-764-5p	0
mmu-miR-871-3p	0
mmu-miR-871-5p	0
mmu-miR-873-3p	0
mmu-miR-876-5p	0
mmu-miR-878-5p	0
mmu-miR-881-3p	0
mmu-miR-883b-5p	0

Supplementary Table 2. Small RNA sequencing analysis after siRNA-knockdown of Dicer.

mature miRNA	siCtrl	siDcr1	Ratio	FC	Log2FC
mmu-miR-375	488401	298083	0.49	0.61	-0.71
mmu-miR-182	104397	80257	0.26	0.77	-0.38
mmu-miR-30a	74275	49167	0.41	0.66	-0.60
mmu-miR-148a	52366	39194	0.29	0.75	-0.42
mmu-miR-22	31061	21016	0.39	0.68	-0.56
mmu-miR-340-5p	41386	24897	0.51	0.60	-0.73
mmu-miR-27b	29777	18244	0.49	0.61	-0.71
mmu-miR-30e	44125	33515	0.28	0.76	-0.40
mmu-miR-30d	31939	23347	0.31	0.73	-0.45
mmu-miR-191	26024	19085	0.31	0.73	-0.45
mmu-miR-26a	20248	14901	0.31	0.74	-0.44
mmu-miR-25	18412	12597	0.38	0.68	-0.55
mmu-let-7f	15884	11029	0.36	0.69	-0.53
mmu-let-7i	12610	7636	0.50	0.61	-0.72
mmu-miR-141	9333	6408	0.38	0.69	-0.54
mmu-miR-26b	9538	7031	0.30	0.74	-0.44
mmu-miR-301a	12806	8377	0.42	0.65	-0.61
mmu-let-7c	10283	7454	0.32	0.72	-0.46
mmu-miR-16	10040	6834	0.38	0.68	-0.55
mmu-miR-183	10743	6751	0.46	0.63	-0.67
mmu-miR-186	7867	6147	0.25	0.78	-0.36
mmu-miR-30b	7555	5763	0.27	0.76	-0.39
mmu-miR-378	6261	4362	0.36	0.70	-0.52
mmu-miR-21	8641	6176	0.34	0.71	-0.48
mmu-miR-29a	6313	4170	0.41	0.66	-0.60
mmu-let-7a	6247	4699	0.28	0.75	-0.41
mmu-miR-30c	8112	6846	0.17	0.84	-0.24
mmu-let-7b	7128	4731	0.41	0.66	-0.59
mmu-miR-93	7500	5422	0.32	0.72	-0.47
mmu-miR-148b	5828	4990	0.16	0.86	-0.22
mmu-miR-101a	5454	3208	0.53	0.59	-0.77
mmu-miR-125a-5p	6445	5366	0.18	0.83	-0.26
mmu-miR-181a	5238	3453	0.42	0.66	-0.60
mmu-miR-99b	4807	3409	0.34	0.71	-0.50
mmu-miR-192	6256	3924	0.47	0.63	-0.67
mmu-let-7g	4479	3261	0.32	0.73	-0.46
mmu-miR-879	4741	2777	0.53	0.59	-0.77
mmu-miR-151-3p	3827	2479	0.43	0.65	-0.63
mmu-miR-106b	5084	3054	0.51	0.60	-0.74
mmu-miR-98	4472	2789	0.47	0.62	-0.68
mmu-miR-488	5415	3022	0.58	0.56	-0.84
mmu-miR-7a	4510	3582	0.23	0.79	-0.33
mmu-miR-101b	3448	2116	0.49	0.61	-0.70
mmu-miR-151-5p	2700	1902	0.35	0.70	-0.51
mmu-miR-138	2155	1166	0.61	0.54	-0.89

mmu-miR-200c	3339	2579	0.26	0.77	-0.37
mmu-miR-130a	2573	1751	0.38	0.68	-0.56
mmu-let-7d	2905	1813	0.47	0.62	-0.68
mmu-miR-140*	3497	2360	0.39	0.67	-0.57
mmu-miR-484	2839	1842	0.43	0.65	-0.62
mmu-miR-345-5p	3289	1924	0.54	0.58	-0.77
mmu-miR-384-3p	2459	1786	0.32	0.73	-0.46
mmu-miR-483*	2342	1679	0.33	0.72	-0.48
mmu-miR-342-3p	2522	1826	0.32	0.72	-0.47
mmu-miR-153	2397	1510	0.46	0.63	-0.67
mmu-miR-7a-2*	2078	1420	0.38	0.68	-0.55
mmu-miR-146b	2806	2476	0.13	0.88	-0.18
mmu-miR-872*	1441	905	0.47	0.63	-0.67
mmu-miR-421	1644	1040	0.46	0.63	-0.66
mmu-miR-130b	1838	1309	0.34	0.71	-0.49
mmu-miR-15b	2468	1863	0.28	0.75	-0.41
mmu-miR-103	2725	1471	0.62	0.54	-0.89
mmu-miR-423-3p	1462	1022	0.36	0.70	-0.52
mmu-miR-384-5p	1666	1183	0.34	0.71	-0.49
mmu-miR-331-3p	1770	1123	0.45	0.63	-0.66
mmu-miR-383	1500	903	0.51	0.60	-0.73
mmu-miR-29c	1320	859	0.43	0.65	-0.62
mmu-miR-23b	1414	1198	0.17	0.85	-0.24
mmu-miR-92b	1214	733	0.50	0.60	-0.73
mmu-miR-700*	1802	1340	0.30	0.74	-0.43
mmu-miR-7b	1665	1175	0.35	0.71	-0.50
mmu-miR-455*	1295	746	0.55	0.58	-0.80
mmu-miR-532-5p	1356	893	0.42	0.66	-0.60
mmu-miR-200b	1274	985	0.26	0.77	-0.37
mmu-miR-320	1111	890	0.22	0.80	-0.32
mmu-miR-455	1054	753	0.34	0.71	-0.49
mmu-miR-129-1-3p	953	767	0.22	0.80	-0.31
mmu-miR-184	1025	796	0.25	0.78	-0.36
mmu-miR-325	1172	776	0.41	0.66	-0.59
mmu-miR-582-5p	1003	662	0.42	0.66	-0.60
mmu-miR-744	865	637	0.31	0.74	-0.44
mmu-let-7e	880	587	0.40	0.67	-0.58
mmu-let-7d*	1165	838	0.33	0.72	-0.48
mmu-miR-598	1248	684	0.60	0.55	-0.87
mmu-miR-423-5p	926	637	0.37	0.69	-0.54
mmu-miR-374	1041	707	0.39	0.68	-0.56
mmu-miR-129-5p	843	521	0.48	0.62	-0.69
mmu-miR-301b	1059	643	0.50	0.61	-0.72
mmu-miR-29b	1127	635	0.57	0.56	-0.83
mmu-miR-328	931	634	0.38	0.68	-0.55
mmu-miR-324-5p	1069	694	0.43	0.65	-0.62
mmu-miR-15b*	985	709	0.33	0.72	-0.47

mmu-miR-3099	828	614	0.30	0.74	-0.43
mmu-miR-30e*	909	641	0.35	0.71	-0.50
mmu-miR-195	756	541	0.33	0.72	-0.48
mmu-miR-5115	729	362	0.70	0.50	-1.01
mmu-miR-872	671	415	0.48	0.62	-0.69
mmu-miR-152*	842	543	0.44	0.64	-0.63
mmu-miR-181b	767	551	0.33	0.72	-0.48
mmu-miR-24	817	635	0.25	0.78	-0.36
mmu-miR-128	603	415	0.37	0.69	-0.54
mmu-miR-27a	741	475	0.44	0.64	-0.64
mmu-miR-361	640	427	0.40	0.67	-0.58
mmu-miR-1839-5p	755	495	0.42	0.66	-0.61
mmu-miR-425	753	577	0.27	0.77	-0.38
mmu-miR-344d	419	259	0.48	0.62	-0.69
mmu-miR-429	462	312	0.39	0.68	-0.57
mmu-miR-34a	806	620	0.26	0.77	-0.38
mmu-miR-132	542	334	0.48	0.62	-0.70
mmu-miR-15a	718	483	0.40	0.67	-0.57
mmu-miR-720	311	176	0.57	0.57	-0.82
mmu-miR-652	631	357	0.57	0.57	-0.82
mmu-miR-30a*	725	474	0.42	0.65	-0.61
mmu-miR-152	508	332	0.43	0.65	-0.61
mmu-miR-345-3p	637	391	0.49	0.61	-0.70
mmu-miR-338-3p	581	423	0.32	0.73	-0.46
mmu-miR-330	548	295	0.62	0.54	-0.89
mmu-let-7b*	661	375	0.57	0.57	-0.82
mmu-miR-106b*	463	293	0.46	0.63	-0.66
mmu-miR-344	549	341	0.48	0.62	-0.69
mmu-miR-708*	317	211	0.41	0.67	-0.59
mmu-miR-137	503	375	0.29	0.75	-0.42
mmu-miR-148a*	481	282	0.53	0.59	-0.77
mmu-miR-340-3p	453	319	0.35	0.70	-0.51
mmu-miR-32	471	333	0.35	0.71	-0.50
mmu-miR-200a	443	338	0.27	0.76	-0.39
mmu-miR-1198-5p	447	311	0.36	0.70	-0.52
mmu-miR-130b*	350	295	0.17	0.84	-0.25
novel_mmu-mir-3102-3p	364	188	0.66	0.52	-0.95
mmu-miR-497	425	311	0.31	0.73	-0.45
mmu-miR-107	427	266	0.47	0.62	-0.68
mmu-miR-1224	541	342	0.46	0.63	-0.66
mmu-miR-339-5p	288	183	0.45	0.64	-0.65
mmu-miR-149	357	260	0.32	0.73	-0.46
mmu-miR-96	534	443	0.19	0.83	-0.27
mmu-miR-28	286	180	0.46	0.63	-0.67
mmu-miR-671-5p	328	202	0.48	0.62	-0.70
mmu-miR-181a-1*	293	224	0.27	0.76	-0.39
mmu-miR-671-3p	259	207	0.22	0.80	-0.32

mmu-miR-210	367	217	0.53	0.59	-0.76
mmu-miR-488*	343	252	0.31	0.73	-0.44
mmu-miR-574-3p	246	155	0.46	0.63	-0.67
mmu-miR-700	332	205	0.48	0.62	-0.70
mmu-miR-361*	272	212	0.25	0.78	-0.36
mmu-miR-708	194	128	0.42	0.66	-0.60
mmu-miR-125b-5p	364	280	0.26	0.77	-0.38
mmu-miR-185	298	172	0.55	0.58	-0.79
mmu-miR-324-3p	322	156	0.72	0.48	-1.05
mmu-miR-669c	320	222	0.37	0.69	-0.53
mmu-miR-148b*	256	191	0.29	0.75	-0.42
mmu-miR-325*	291	167	0.56	0.57	-0.80
mmu-miR-467e	260	166	0.45	0.64	-0.65
mmu-miR-23a	246	187	0.27	0.76	-0.40
mmu-miR-350*	229	155	0.39	0.68	-0.56
mmu-miR-124	242	149	0.48	0.62	-0.70
mmu-miR-676	196	120	0.49	0.61	-0.71
mmu-miR-467d	189	119	0.46	0.63	-0.67
mmu-miR-298	236	123	0.65	0.52	-0.94
mmu-miR-574-5p	186	133	0.34	0.72	-0.48
mmu-miR-483	216	156	0.33	0.72	-0.47
mmu-miR-467c	187	155	0.19	0.83	-0.27
mmu-miR-30d*	237	116	0.71	0.49	-1.03
mmu-miR-140	210	139	0.41	0.66	-0.60
mmu-miR-1983	236	146	0.48	0.62	-0.69
mmu-miR-350	266	189	0.34	0.71	-0.49
mmu-miR-1249	174	157	0.10	0.90	-0.15
mmu-miR-1839-3p	204	120	0.53	0.59	-0.77
mmu-miR-16-2*	234	168	0.33	0.72	-0.48
mmu-miR-183*	168	96	0.56	0.57	-0.81
mmu-let-7c-2*	225	158	0.35	0.70	-0.51
mmu-miR-129-2-3p	122	110	0.10	0.90	-0.15
mmu-miR-532-3p	141	113	0.22	0.80	-0.32
mmu-let-7f-2*	201	126	0.47	0.63	-0.67
mmu-miR-22*	155	114	0.31	0.74	-0.44
mmu-miR-339-3p	109	60	0.60	0.55	-0.86
mmu-miR-670*	133	79	0.52	0.59	-0.75
mmu-miR-188-5p	141	87	0.48	0.62	-0.70
mmu-let-7a-1*	228	154	0.39	0.68	-0.57
mmu-miR-141*	149	110	0.30	0.74	-0.44
mmu-miR-212-3p	109	51	0.76	0.47	-1.10
mmu-miR-690	126	69	0.60	0.55	-0.87
mmu-miR-28*	177	115	0.43	0.65	-0.62
mmu-miR-16-1*	201	146	0.32	0.73	-0.46
mmu-miR-187	90	67	0.30	0.74	-0.43
mmu-miR-125b-2-3p	131	78	0.52	0.60	-0.75
mmu-miR-7a-1*	129	92	0.34	0.71	-0.49

mmu-let-7i*	155	85	0.60	0.55	-0.87
mmu-let-7f-1*	137	87	0.45	0.64	-0.66
mmu-miR-877	108	42	0.94	0.39	-1.36
mmu-miR-29a*	108	103	0.05	0.95	-0.07
mmu-miR-338-5p	82	74	0.10	0.90	-0.15
mmu-miR-99b*	127	82	0.44	0.65	-0.63
mmu-miR-3068*	121	79	0.43	0.65	-0.62
mmu-miR-1843-5p	82	59	0.33	0.72	-0.47
mmu-miR-677	94	77	0.20	0.82	-0.29
mmu-miR-99a	134	100	0.29	0.75	-0.42
mmu-miR-24-2*	109	83	0.27	0.76	-0.39
mmu-miR-378*	71	59	0.19	0.83	-0.27
mmu-miR-128-1*	106	75	0.35	0.71	-0.50
mmu-miR-3096-5p	70	35	0.69	0.50	-1.00
mmu-miR-669o-5p	108	88	0.20	0.81	-0.30
mmu-miR-874	97	66	0.39	0.68	-0.56
mmu-miR-98*	104	74	0.34	0.71	-0.49
novel_mmu-mir-5117-3p	106	87	0.20	0.82	-0.28
mmu-miR-330*	119	48	0.91	0.40	-1.31
mmu-miR-212-5p	80	64	0.22	0.80	-0.32
mmu-miR-30c-2*	106	86	0.21	0.81	-0.30
mmu-miR-26b*	64	59	0.08	0.92	-0.12
mmu-miR-362-3p	83	53	0.45	0.64	-0.65
mmu-miR-5121	31	21	0.39	0.68	-0.56
mmu-miR-132*	61	33	0.61	0.54	-0.89
mmu-miR-190	107	73	0.38	0.68	-0.55
mmu-miR-194	78	57	0.31	0.73	-0.45
mmu-miR-195*	85	45	0.64	0.53	-0.92
mmu-miR-1843b-5p	90	44	0.72	0.49	-1.03
mmu-miR-3096b-5p	76	37	0.72	0.49	-1.04
mmu-miR-3068	90	91	-0.01	1.01	0.02
mmu-miR-501-3p	72	40	0.59	0.56	-0.85
mmu-miR-5109	461	57	2.09	0.12	-3.02
mmu-miR-29c*	101	65	0.44	0.64	-0.64
mmu-miR-301a*	73	28	0.96	0.38	-1.38
mmu-miR-1947	49	24	0.71	0.49	-1.03
mmu-miR-25*	79	60	0.28	0.76	-0.40
mmu-miR-24-1*	49	38	0.25	0.78	-0.37
mmu-miR-425*	83	63	0.28	0.76	-0.40
mmu-miR-744*	56	49	0.13	0.88	-0.19
mmu-miR-344d-3*	40	33	0.19	0.83	-0.28
mmu-miR-93*	69	51	0.30	0.74	-0.44
mmu-miR-221	69	56	0.21	0.81	-0.30
mmu-miR-467a	68	44	0.44	0.65	-0.63
mmu-let-7g*	77	51	0.41	0.66	-0.59
mmu-miR-219-3p*	49	36	0.31	0.73	-0.44
mmu-miR-466c-5p	81	50	0.48	0.62	-0.70

mmu-miR-500	76	47	0.48	0.62	-0.69
mmu-miR-466g	38	24	0.46	0.63	-0.66
mmu-miR-669l	47	33	0.35	0.70	-0.51
mmu-miR-15a*	86	43	0.69	0.50	-1.00
mmu-miR-126-5p	59	28	0.75	0.47	-1.08
mmu-miR-215	47	36	0.27	0.77	-0.38
mmu-miR-3107	64	45	0.35	0.70	-0.51
mmu-miR-346	77	51	0.41	0.66	-0.59
mmu-miR-486	65	45	0.37	0.69	-0.53
mmu-miR-222	42	30	0.34	0.71	-0.49
mmu-miR-296-5p	54	35	0.43	0.65	-0.63
mmu-miR-3082-3p	53	34	0.44	0.64	-0.64
mmu-miR-664	63	56	0.12	0.89	-0.17
mmu-miR-21*	83	53	0.45	0.64	-0.65
mmu-miR-466h-5p	49	40	0.20	0.82	-0.29
mmu-miR-33	52	29	0.58	0.56	-0.84
mmu-miR-344c	49	21	0.85	0.43	-1.22
mmu-miR-7b*	34	26	0.27	0.76	-0.39
mmu-miR-204	47	34	0.32	0.72	-0.47
mmu-miR-27b*	49	27	0.60	0.55	-0.86
mmu-miR-3470b	51	27	0.64	0.53	-0.92
mmu-miR-122	37	47	-0.24	1.27	0.35
mmu-miR-5099	26	20	0.26	0.77	-0.38
mmu-miR-669d	62	58	0.07	0.94	-0.10
mmu-miR-33*	39	26	0.41	0.67	-0.58
mmu-miR-877*	36	8	1.50	0.22	-2.17
mmu-miR-101a*	23	14	0.50	0.61	-0.72
mmu-miR-143	19	5	1.34	0.26	-1.93
mmu-miR-3078	39	14	1.02	0.36	-1.48
mmu-miR-669a-3p	33	21	0.45	0.64	-0.65
mmu-miR-3057-5p	18	11	0.49	0.61	-0.71
mmu-miR-669f-5p	50	33	0.42	0.66	-0.60
mmu-miR-676*	35	29	0.19	0.83	-0.27
mmu-miR-146a	13	24	-0.61	1.85	0.88
mmu-miR-383*	38	19	0.69	0.50	-1.00
mmu-miR-466d-3p	44	26	0.53	0.59	-0.76
mmu-miR-125a-3p	36	15	0.88	0.42	-1.26
mmu-miR-138-2*	25	15	0.51	0.60	-0.74
mmu-miR-26a-2*	29	19	0.42	0.66	-0.61
mmu-miR-3473d	18	25	-0.33	1.39	0.47
mmu-miR-362-5p	25	15	0.51	0.60	-0.74
mmu-miR-1968	38	23	0.50	0.61	-0.72
mmu-miR-541	38	33	0.14	0.87	-0.20
mmu-miR-669a-5p	34	23	0.39	0.68	-0.56
mmu-miR-1194	26	14	0.62	0.54	-0.89
mmu-miR-186*	32	18	0.58	0.56	-0.83
mmu-miR-203	11	2	1.70	0.18	-2.46

mmu-miR-30c-1*	20	20	0.00	1.00	0.00
mmu-miR-32*	24	9	0.98	0.38	-1.42
mmu-miR-421*	19	4	1.56	0.21	-2.25
mmu-miR-10b	33	21	0.45	0.64	-0.65
mmu-miR-135a	10	7	0.36	0.70	-0.51
mmu-miR-191*	19	7	1.00	0.37	-1.44
mmu-miR-30b*	51	25	0.71	0.49	-1.03
mmu-miR-669e	57	28	0.71	0.49	-1.03
mmu-miR-10a	25	12	0.73	0.48	-1.06
mmu-miR-1199	16	11	0.37	0.69	-0.54
mmu-miR-127	22	12	0.61	0.55	-0.87
mmu-miR-1981*	32	13	0.90	0.41	-1.30
mmu-miR-297b-5p	35	10	1.25	0.29	-1.81
mmu-miR-410	16	14	0.13	0.88	-0.19
mmu-miR-802	11	7	0.45	0.64	-0.65
mmu-miR-1981	32	16	0.69	0.50	-1.00
mmu-miR-219-5p	37	25	0.39	0.68	-0.57
mmu-miR-3061-3p	13	12	0.08	0.92	-0.12
mmu-miR-3066	33	12	1.01	0.36	-1.46
mmu-miR-3084	12	7	0.54	0.58	-0.78
mmu-miR-1191	25	14	0.58	0.56	-0.84
mmu-miR-1196	5	4	0.22	0.80	-0.32
mmu-miR-1933-3p	8	3	0.98	0.38	-1.42
mmu-miR-2137	30	17	0.57	0.57	-0.82
mmu-miR-582-3p	31	20	0.44	0.65	-0.63
mmu-miR-669b	34	22	0.44	0.65	-0.63
mmu-miR-29b-2*	20	13	0.43	0.65	-0.62
mmu-miR-3074-1-3p	22	15	0.38	0.68	-0.55
mmu-miR-3098-5p	15	6	0.92	0.40	-1.32
mmu-miR-3473b	14	3	1.54	0.21	-2.22
mmu-miR-375*	18	12	0.41	0.67	-0.58
mmu-miR-672	8	5	0.47	0.63	-0.68
mmu-miR-9	21	20	0.05	0.95	-0.07
mmu-miR-200c*	8	3	0.98	0.38	-1.42
mmu-miR-3096b-3p	10	4	0.92	0.40	-1.32
mmu-miR-664*	23	18	0.25	0.78	-0.35
mmu-miR-669a-3-3p	15	4	1.32	0.27	-1.91
mmu-miR-1843b-3p	11	1	2.40	0.09	-3.46
mmu-miR-1964-3p	11	13	-0.17	1.18	0.24
mmu-miR-296-3p	14	7	0.69	0.50	-1.00
mmu-miR-3473	16	4	1.39	0.25	-2.00
mmu-miR-466n-3p	18	13	0.33	0.72	-0.47
mmu-miR-670	13	6	0.77	0.46	-1.12
mmu-let-7e*	29	19	0.42	0.66	-0.61
mmu-miR-124*	13	12	0.08	0.92	-0.12
mmu-miR-126-3p	9	11	-0.20	1.22	0.29
mmu-miR-1934	21	13	0.48	0.62	-0.69

mmu-miR-210*	24	5	1.57	0.21	-2.26
mmu-miR-29b-1*	17	24	-0.34	1.41	0.50
mmu-miR-3060	8	2	1.39	0.25	-2.00
mmu-miR-411	8	9	-0.12	1.13	0.17
mmu-miR-505-3p	24	12	0.69	0.50	-1.00
mmu-miR-5102	22	16	0.32	0.73	-0.46
mmu-miR-5128	8	2	1.39	0.25	-2.00
mmu-miR-188-3p	9	9	0.00	1.00	0.00
mmu-miR-26a-1*	11	9	0.20	0.82	-0.29
mmu-miR-27a*	21	7	1.10	0.33	-1.58
mmu-miR-297a	17	10	0.53	0.59	-0.77
mmu-miR-3069-3p	3	3	0.00	1.00	0.00
mmu-miR-331-5p	14	7	0.69	0.50	-1.00
mmu-miR-381	11	8	0.32	0.73	-0.46
mmu-miR-466b-3p	10	8	0.22	0.80	-0.32
mmu-miR-467a*	9	6	0.41	0.67	-0.58
mmu-miR-505-5p	16	6	0.98	0.38	-1.42
mmu-miR-139-5p	12	12	0.00	1.00	0.00
mmu-miR-181b-1*	16	7	0.83	0.44	-1.19
mmu-miR-190b	31	18	0.54	0.58	-0.78
mmu-miR-1965	11	2	1.70	0.18	-2.46
mmu-miR-200b*	8	9	-0.12	1.13	0.17
mmu-miR-301b*	5	3	0.51	0.60	-0.74
mmu-miR-3085-3p	8	4	0.69	0.50	-1.00
mmu-miR-3089-3p	8	4	0.69	0.50	-1.00
mmu-miR-470	15	3	1.61	0.20	-2.32
mmu-miR-501-5p	10	8	0.22	0.80	-0.32
mmu-miR-5117	8	6	0.29	0.75	-0.42
mmu-miR-103-2*	11	9	0.20	0.82	-0.29
mmu-miR-1306-3p	7	11	-0.45	1.57	0.65
mmu-miR-137*	11	8	0.32	0.73	-0.46
mmu-miR-181c	8	7	0.13	0.88	-0.19
mmu-miR-182*	12	14	-0.15	1.17	0.22
mmu-miR-1957	7	4	0.56	0.57	-0.81
mmu-miR-200a*	22	10	0.79	0.45	-1.14
mmu-miR-208b	6	8	-0.29	1.33	0.42
mmu-miR-3057-3p	5	0			
mmu-miR-3470a	7	2	1.25	0.29	-1.81
mmu-miR-652*	4	3	0.29	0.75	-0.42
mmu-miR-879*	7	10	-0.36	1.43	0.51
mmu-miR-130a*	5	5	0.00	1.00	0.00
mmu-miR-136*	4	1	1.39	0.25	-2.00
mmu-miR-185*	5	8	-0.47	1.60	0.68
mmu-miR-193b	7	3	0.85	0.43	-1.22
mmu-miR-1943	9	9	0.00	1.00	0.00
mmu-miR-1945	8	6	0.29	0.75	-0.42
mmu-miR-297c	13	9	0.37	0.69	-0.53

mmu-miR-3061-5p	6	3	0.69	0.50	-1.00
mmu-miR-326	27	11	0.90	0.41	-1.30
mmu-miR-34a*	5	2	0.92	0.40	-1.32
mmu-miR-409-3p	8	3	0.98	0.38	-1.42
mmu-miR-467b	8	5	0.47	0.63	-0.68
mmu-miR-5122	1	1	0.00	1.00	0.00
mmu-miR-874*	14	9	0.44	0.64	-0.64
mmu-miR-1251	5	2	0.92	0.40	-1.32
mmu-miR-192*	9	8	0.12	0.89	-0.17
mmu-miR-341	5	1	1.61	0.20	-2.32
mmu-miR-342-5p	15	15	0.00	1.00	0.00
mmu-miR-344b	6	4	0.41	0.67	-0.58
mmu-miR-3968	3	2	0.41	0.67	-0.58
mmu-miR-5113	3	2	0.41	0.67	-0.58
mmu-miR-5126	7	2	1.25	0.29	-1.81
mmu-miR-669e*	8	2	1.39	0.25	-2.00
mmu-miR-669f-3p	15	8	0.63	0.53	-0.91
mmu-miR-669m-3p	2	3	-0.41	1.50	0.58
mmu-miR-99a*	11	5	0.79	0.45	-1.14
mmu-miR-1224*	4	3	0.29	0.75	-0.42
mmu-miR-147	4	2	0.69	0.50	-1.00
mmu-miR-190*	4	12	-1.10	3.00	1.58
mmu-miR-221*	3	14	-1.54	4.67	2.22
mmu-miR-300	5	2	0.92	0.40	-1.32
mmu-miR-3069-5p	7	5	0.34	0.71	-0.49
mmu-miR-3074-5p	13	5	0.96	0.38	-1.38
mmu-miR-344f-3p	2	1	0.69	0.50	-1.00
mmu-miR-466a-5p	4	3	0.29	0.75	-0.42
mmu-miR-466d-5p	8	3	0.98	0.38	-1.42
mmu-miR-466h-3p	3	3	0.00	1.00	0.00
mmu-miR-491*	3	0			
mmu-miR-497*	3	5	-0.51	1.67	0.74
mmu-miR-500*	7	1	1.95	0.14	-2.81
mmu-miR-5114	5	0			
mmu-miR-592	1	2	-0.69	2.00	1.00
mmu-miR-669p	6	4	0.41	0.67	-0.58
mmu-miR-760-3p	6	3	0.69	0.50	-1.00
mmu-miR-873	5	2	0.92	0.40	-1.32
mmu-miR-92b*	3	2	0.41	0.67	-0.58
mmu-miR-1843-3p	1	0			
mmu-miR-1929	7	2	1.25	0.29	-1.81
mmu-miR-1950	3	1	1.10	0.33	-1.58
mmu-miR-1960	0	0			
mmu-miR-199a-3p	1	1	0.00	1.00	0.00
mmu-miR-297a*	6	1	1.79	0.17	-2.58
mmu-miR-3066*	2	0			
mmu-miR-3092	2	1	0.69	0.50	-1.00

mmu-miR-3098-3p	3	3	0.00	1.00	0.00
mmu-miR-351	1	2	-0.69	2.00	1.00
mmu-miR-378b	3	3	0.00	1.00	0.00
mmu-miR-466f-5p	5	3	0.51	0.60	-0.74
mmu-miR-466l-3p	2	1	0.69	0.50	-1.00
mmu-miR-466n-5p	9	4	0.81	0.44	-1.17
mmu-miR-598*	6	1	1.79	0.17	-2.58
mmu-miR-669o-3p	3	2	0.41	0.67	-0.58
mmu-miR-704	1	3	-1.10	3.00	1.58
mmu-miR-881	3	0			
mmu-miR-103-1*	1	1	0.00	1.00	0.00
mmu-miR-107*	8	4	0.69	0.50	-1.00
mmu-miR-1195	1	0			
mmu-miR-1199*	0	1			
mmu-miR-122*	14	7	0.69	0.50	-1.00
mmu-miR-134	1	0			
mmu-miR-146b*	2	0			
mmu-miR-187*	1	1	0.00	1.00	0.00
mmu-miR-1930	8	2	1.39	0.25	-2.00
mmu-miR-1930*	0	0			
mmu-miR-1934*	1	2	-0.69	2.00	1.00
mmu-miR-194-2*	16	8	0.69	0.50	-1.00
mmu-miR-1955-5p	12	10	0.18	0.83	-0.26
mmu-miR-1969	3	1	1.10	0.33	-1.58
mmu-miR-199b	2	0			
mmu-miR-1b-3p	4	2	0.69	0.50	-1.00
mmu-miR-215*	4	2	0.69	0.50	-1.00
mmu-miR-218	3	1	1.10	0.33	-1.58
mmu-miR-297a-5*	3	3	0.00	1.00	0.00
mmu-miR-297b-3p	2	1	0.69	0.50	-1.00
mmu-miR-3064-3p	0	1			
mmu-miR-3067	4	0			
mmu-miR-3078*	3	1	1.10	0.33	-1.58
mmu-miR-3080-3p	6	5	0.18	0.83	-0.26
mmu-miR-3080-5p	1	1	0.00	1.00	0.00
mmu-miR-3082-5p	0	0			
mmu-miR-3084*	0	3			
mmu-miR-3088	0	2			
mmu-miR-3103	1	0			
mmu-miR-3108	3	2	0.41	0.67	-0.58
mmu-miR-344g-5p	4	2	0.69	0.50	-1.00
mmu-miR-3474	0	2			
mmu-miR-34c	0	0			
mmu-miR-434-3p	2	0			
mmu-miR-466c-3p	3	1	1.10	0.33	-1.58
mmu-miR-466m-3p	1	2	-0.69	2.00	1.00
mmu-miR-467e*	4	1	1.39	0.25	-2.00

mmu-miR-499	1	0			
mmu-miR-615-3p	0	0			
mmu-miR-669i	0	0			
mmu-miR-669p*	3	2	0.41	0.67	-0.58
mmu-miR-701	1	4	-1.39	4.00	2.00
mmu-miR-802*	2	4	-0.69	2.00	1.00
mmu-miR-871-3p	9	5	0.59	0.56	-0.85
novel_mmu-mir-101c-3p	2	2	0.00	1.00	0.00
novel_mmu-mir-5132-3p	3	1	1.10	0.33	-1.58
mmu-let-7c-1*	4	0			
mmu-miR-101b*	1	0			
mmu-miR-1198-3p	8	1	2.08	0.13	-3.00
mmu-miR-128-2*	2	1	0.69	0.50	-1.00
mmu-miR-1306-5p	0	1			
mmu-miR-142-5p	2	0			
mmu-miR-144*	0	2			
mmu-miR-150	0	1			
mmu-miR-181d	4	2	0.69	0.50	-1.00
mmu-miR-190b*	0	0			
mmu-miR-1927	3	2	0.41	0.67	-0.58
mmu-miR-194-1*	0	1			
mmu-miR-1941-3p	0	2			
mmu-miR-1943*	3	0			
mmu-miR-1953	0	3			
mmu-miR-1955-3p	5	2	0.92	0.40	-1.32
mmu-miR-199a-5p	3	1	1.10	0.33	-1.58
mmu-miR-201	0	0			
mmu-miR-203*	0	0			
mmu-miR-205	2	0			
mmu-miR-218-1*	0	0			
mmu-miR-224	2	1	0.69	0.50	-1.00
mmu-miR-28c	1	1	0.00	1.00	0.00
mmu-miR-294	0	0			
mmu-miR-295	0	0			
mmu-miR-298*	0	0			
mmu-miR-3062	1	0			
mmu-miR-3064-5p	1	2	-0.69	2.00	1.00
mmu-miR-3075	2	1	0.69	0.50	-1.00
mmu-miR-3081	3	2	0.41	0.67	-0.58
mmu-miR-3099*	1	0			
mmu-miR-3104-3p	0	2			
mmu-miR-3112	0	1			
mmu-miR-328*	1	0			
mmu-miR-344e	0	0			
mmu-miR-344f-5p	2	1	0.69	0.50	-1.00
mmu-miR-3572	5	11	-0.79	2.20	1.14
mmu-miR-365	0	1			

mmu-miR-369-3p	1	0			
mmu-miR-369-5p	0	0			
mmu-miR-374c	0	0			
mmu-miR-376c	0	0			
mmu-miR-379	1	1	0.00	1.00	0.00
mmu-miR-380-3p	2	0			
mmu-miR-382	0	0			
mmu-miR-429*	0	0			
mmu-miR-448-3p	0	0			
mmu-miR-449a	0	0			
mmu-miR-463*	2	1	0.69	0.50	-1.00
mmu-miR-465b-5p	1	0			
mmu-miR-465c-5p	2	2	0.00	1.00	0.00
mmu-miR-466a-3p	1	1	0.00	1.00	0.00
mmu-miR-466e-3p	1	1	0.00	1.00	0.00
mmu-miR-466e-5p	0	1			
mmu-miR-466p-3p	2	0			
mmu-miR-466p-5p	4	3	0.29	0.75	-0.42
mmu-miR-466q	1	0			
mmu-miR-467c*	3	0			
mmu-miR-467d*	2	1	0.69	0.50	-1.00
mmu-miR-491	5	0			
mmu-miR-5119	0	0			
mmu-miR-5134	0	1			
mmu-miR-547	0	0			
mmu-miR-668	0	0			
mmu-miR-669b*	2	1	0.69	0.50	-1.00
mmu-miR-669c*	0	1			
mmu-miR-669h-5p	2	2	0.00	1.00	0.00
mmu-miR-672*	0	0			
mmu-miR-873*	1	0			
mmu-miR-880	0	0			
mmu-miR-96*	1	3	-1.10	3.00	1.58
novel_mmu-mir-184-5p	3	1	1.10	0.33	-1.58
novel_mmu-mir-1935-3p	0	0			
novel_mmu-mir-1938-3p	0	0			
novel_mmu-mir-1969-3p	0	0			
novel_mmu-mir-3470b-3p	2	0			
novel_mmu-mir-3473d-3p	2	0			
novel_mmu-mir-5098-3p	1	0			
novel_mmu-mir-5128-5p	0	2			
novel_mmu-mir-5133-3p	0	0			
novel_mmu-mir-5134-3p	3	0			
novel_mmu-mir-669d-2-3p	0	0			
novel_mmu-mir-669j-5p	0	0			
novel_mmu-mir-686-3p	0	0			
mmu-miR-100	0	0			

mmu-miR-1186	1	1	0.00	1.00	0.00
mmu-miR-1187	3	0			
mmu-miR-1298	0	1			
mmu-miR-133a	1	1	0.00	1.00	0.00
mmu-miR-135a-2*	0	0			
mmu-miR-136	0	0			
mmu-miR-139-3p	3	0			
mmu-miR-142-3p	0	1			
mmu-miR-144	0	1			
mmu-miR-155	0	0			
mmu-miR-181c*	1	0			
mmu-miR-193	0	2			
mmu-miR-1932	1	1	0.00	1.00	0.00
mmu-miR-1933-5p	1	0			
mmu-miR-1936	0	0			
mmu-miR-1940	1	0			
mmu-miR-1949	0	1			
mmu-miR-1951	0	0			
mmu-miR-1956	0	1			
mmu-miR-1958	0	0			
mmu-miR-1964-5p	0	1			
mmu-miR-1966	1	0			
mmu-miR-1968*	0	1			
mmu-miR-196a	0	0			
mmu-miR-196b	1	0			
mmu-miR-1970	0	0			
mmu-miR-199b*	2	1	0.69	0.50	-1.00
mmu-miR-19b	0	0			
mmu-miR-1b-5p	1	2	-0.69	2.00	1.00
mmu-miR-201*	0	0			
mmu-miR-211	2	1	0.69	0.50	-1.00
mmu-miR-222*	1	1	0.00	1.00	0.00
mmu-miR-23a*	0	1			
mmu-miR-23b*	2	0			
mmu-miR-291a-5p	0	0			
mmu-miR-297c*	1	1	0.00	1.00	0.00
mmu-miR-299*	0	0			
mmu-miR-302b	1	0			
mmu-miR-3058	1	0			
mmu-miR-3058*	4	0			
mmu-miR-3065	2	3	-0.41	1.50	0.58
mmu-miR-3067*	1	0			
mmu-miR-3076-3p	3	3	0.00	1.00	0.00
mmu-miR-3076-5p	0	1			
mmu-miR-3077	1	1	0.00	1.00	0.00
mmu-miR-3083	1	0			
mmu-miR-3086-3p	1	1	0.00	1.00	0.00

mmu-miR-3086-5p	1	0			
mmu-miR-3087	2	1	0.69	0.50	-1.00
mmu-miR-3087*	0	1			
mmu-miR-3091-3p	0	0			
mmu-miR-3091-5p	0	0			
mmu-miR-3095-3p	0	0			
mmu-miR-3096-3p	0	0			
mmu-miR-3101	0	1			
mmu-miR-3101*	3	0			
mmu-miR-3102*	1	0			
mmu-miR-3109*	0	0			
mmu-miR-3110	0	3			
mmu-miR-3113	2	0			
mmu-miR-320*	1	0			
mmu-miR-322	1	0			
mmu-miR-329*	0	1			
mmu-miR-344*	0	1			
mmu-miR-344d-1*	0	1			
mmu-miR-344g-3p	4	1	1.39	0.25	-2.00
mmu-miR-3471	0	1			
mmu-miR-376b*	0	1			
mmu-miR-377	0	0			
mmu-miR-379*	0	1			
mmu-miR-3970	0	0			
mmu-miR-411*	1	0			
mmu-miR-449a*	0	0			
mmu-miR-450b-5p	0	1			
mmu-miR-451	0	1			
mmu-miR-465a-5p	1	1	0.00	1.00	0.00
mmu-miR-465c-3p	0	0			
mmu-miR-466b-5p	2	0			
mmu-miR-466i-5p	0	0			
mmu-miR-466j	0	0			
mmu-miR-466k	2	0			
mmu-miR-466l-5p	1	0			
mmu-miR-466m-5p	0	0			
mmu-miR-466o-3p	0	0			
mmu-miR-466o-5p	0	0			
mmu-miR-467b*	1	0			
mmu-miR-467f	1	0			
mmu-miR-471-5p	1	0			
mmu-miR-486*	0	0			
mmu-miR-494	0	1			
mmu-miR-5097	5	3	0.51	0.60	-0.74
mmu-miR-5100	2	0			
mmu-miR-5105	2	0			
mmu-miR-511-3p	1	0			

mmu-miR-5116	0	0			
mmu-miR-5120	1	0			
mmu-miR-5123	1	2	-0.69	2.00	1.00
mmu-miR-5125	1	0			
mmu-miR-5132	0	0			
mmu-miR-666-3p	2	0			
mmu-miR-666-5p	0	0			
mmu-miR-667	1	1	0.00	1.00	0.00
mmu-miR-669g	2	0			
mmu-miR-669k*	1	1	0.00	1.00	0.00
mmu-miR-669l*	1	1	0.00	1.00	0.00
mmu-miR-669m-5p	0	0			
mmu-miR-673-5p	1	0			
mmu-miR-693-5p	0	1			
mmu-miR-701*	0	0			
mmu-miR-702	2	0			
mmu-miR-709	1	1	0.00	1.00	0.00
mmu-miR-712	0	1			
mmu-miR-714	1	2	-0.69	2.00	1.00
mmu-miR-742	1	0			
mmu-miR-743a	1	0			
mmu-miR-743b-3p	0	1			
mmu-miR-760-5p	2	0			
mmu-miR-878-5p	1	1	0.00	1.00	0.00
mmu-miR-9*	0	0			
mmu-miR-92a	1	0			
novel_mmu-mir-1192-3p	0	0			
novel_mmu-mir-1951-5p	1	1	0.00	1.00	0.00
novel_mmu-mir-3470a-3p	1	0			
novel_mmu-mir-3572-5p	0	1			
novel_mmu-mir-466f-1-3p	1	0			
novel_mmu-mir-466f-2-3p	0	1			
novel_mmu-mir-466q-5p	1	0			
novel_mmu-mir-5105-3p	4	2	0.69	0.50	-1.00
novel_mmu-mir-5125-5p	0	0			
novel_mmu-mir-5129-3p	1	0			
novel_mmu-mir-5131-5p	1	0			
novel_mmu-mir-714-3p	1	0			

	Ratio	FC	Log2FC
avg	0.43	0.72	-0.62
sd	0.45	0.42	0.65