

miRNA id	Read count	Read count	Expression	Expression	log2Ratio	Up down	P value
mmu-miR-451a	303541	6124178	3484.507	87599.04	5.274908	UP	0
mmu-miR-24-3p	1950284	481125	22478.37	6500.28	-1.07885	DOWN	0
mmu-miR-199a-3p	925431	143241	10583.56	2005.9	-1.75133	DOWN	0
mmu-miR-1a-3p	19255	182758	221.7067	2372.373	4.186985	UP	0
mmu-miR-199b-3p	251314	408932	2863.473	5646.18	1.642725	UP	0
mmu-miR-133a-3p	16892	119200	195.7733	1546.5	3.759328	UP	0
mmu-miR-122-5p	4121	90470	47.36	1286.367	5.396729	UP	0
mmu-miR-10b-5p	626904	133464	7152.43	1850.627	-1.29144	DOWN	0
mmu-miR-3074-5p	168023	14917	1965.973	212.23	-2.55327	DOWN	0
mmu-miR-223-3p	75118	129370	861.0433	1791.42	1.724628	UP	0
mmu-miR-486a-5p	4441	49473	51.23667	705.77	4.41804	UP	0
mmu-miR-125a-5p	466663	112623	5319.143	1521.5	-1.11052	DOWN	0
mmu-miR-92b-3p	4709	47611	53.72667	676.3133	4.278158	UP	0
mmu-miR-33-5p	139034	12193	1587.073	175.91	-2.57096	DOWN	0
mmu-miR-486b-5p	4216	40250	48.47667	569.7367	4.195397	UP	0
novel_mir110	20926	61271	236.94	885.43	2.490263	UP	0
mmu-miR-532-5p	9107	42870	103.5933	581.9	3.175276	UP	0
mmu-miR-25-3p	84953	106825	973.7267	1513.313	1.270868	UP	0
mmu-miR-144-3p	5813	24069	66.92	343.8667	2.990177	UP	0
mmu-miR-29b-3p	138189	30253	1577.507	415.77	-1.25114	DOWN	0
mmu-miR-183-5p	84963	14382	971.52	197.08	-1.62221	DOWN	0
mmu-miR-6538	1916	13199	21.81333	195.2767	3.724615	UP	0
mmu-miR-6240	588	8010	6.69	117.59	4.70827	UP	0
mmu-miR-196a-5p	342	6947	3.906667	98.79	5.284677	UP	0
novel_mir68	204	6789	2.343333	101.8133	5.996914	UP	0
novel_mir288	19955	1792	229.4667	25.77	-2.53675	DOWN	0
mmu-miR-127-3p	27194	31184	312.16	409.42	1.137873	UP	0
mmu-miR-1b-5p	23042	27441	268.2067	356.3767	1.192423	UP	0
mmu-miR-18a-5p	42439	10199	484.46	142.0733	-1.11661	DOWN	0
mmu-miR-150-5p	32814	7162	380.1367	95.87	-1.25552	DOWN	0
novel_mir139	11309	931	129.7333	12.72333	-2.66219	DOWN	0
novel_mir101	9202	551	105.5433	7.683333	-3.12147	DOWN	0
mmu-let-7i-3p	12812	1426	146.1467	19.54667	-2.22709	DOWN	0
mmu-miR-224-5p	584	3834	6.74	53.82667	3.655166	UP	0
mmu-miR-378d	3167	6889	35.89333	90.16	2.061533	UP	0
mmu-miR-130b-5p	13228	1704	151.66	23.48333	-2.01624	DOWN	0
mmu-miR-532-3p	11350	1229	130.57	16.04333	-2.26678	DOWN	0
mmu-miR-324-3p	27977	6389	320.63	87.96667	-1.19022	DOWN	0
mmu-miR-21a-3p	12347	1623	140.98	23.8	-1.98707	DOWN	0
mmu-miR-5126	2460	5614	28.26333	82.52	2.130726	UP	0
novel_mir245	605	3355	6.946667	48.96	3.411661	UP	0
mmu-miR-486b-3p	522	3157	6.006667	45.17	3.536788	UP	0
novel_mir411	540	2948	6.216667	43.7	3.389061	UP	0
mmu-miR-297c-5p	733	3195	8.38	42.53	3.064286	UP	0
mmu-miR-2137	2250	4721	25.67667	71	2.009523	UP	0
mmu-miR-466b-3p	6919	663	79.58	8.7	-2.44313	DOWN	0
mmu-miR-124-3p	56	1876	0.643333	26.75333	6.006445	UP	0
novel_mir286	281	2152	3.216667	31.59	3.877392	UP	0
mmu-miR-133b-3p	299	2174	3.473333	28.21667	3.80249	UP	0
mmu-miR-24-2-5p	21587	5495	247.41	74.00333	-1.03362	DOWN	0
mmu-miR-193a-3p	13921	3094	159.22	43.57333	-1.22936	DOWN	0
mmu-miR-106b-5p	16829	4129	192.6533	56.93333	-1.08673	DOWN	0
novel_mir119	797	2523	9.16	38.13333	2.602844	UP	0

mmu-miR-296-3p	12457	2667	142.4367	36.48333	-1.28331	DOWN	0
mmu-miR-669a-3p	4902	470	56.54667	6.473333	-2.44228	DOWN	0
mmu-miR-188-5p	2602	134	29.70333	1.866667	-3.33896	DOWN	0
mmu-miR-669c-5p	2746	232	31.16	3.193333	-2.62478	DOWN	1.27E-304
mmu-miR-615-3p	7029	1499	80.52	20.36333	-1.28896	DOWN	8.28E-299
mmu-let-7c-2-3p	2213	3111	25.42	46.78667	1.43173	UP	5.21E-298
novel_mir24	1105	2080	12.72	28.96667	1.852893	UP	1.88E-288
mmu-miR-669p-5p	3017	352	34.73667	5.226667	-2.15911	DOWN	2.11E-266
novel_mir260	125	882	1.446667	12.99333	3.759206	UP	3.01E-260
mmu-miR-135a-5p	219	1014	2.523333	14.36	3.15141	UP	1.41E-259
mmu-miR-467b-5p	7984	1992	90.41	29.20333	-1.06254	DOWN	7.98E-250
mmu-miR-466g	6543	1483	74.95667	20.29667	-1.20108	DOWN	2.44E-249
mmu-miR-30a-3p	3670	4037	42	55.61	1.077859	UP	3.84E-248
mmu-miR-194-5p	3644	3883	41.81	54.38667	1.032004	UP	1.59E-222
mmu-miR-29b-1-5p	6842	1715	78.22333	23.67667	-1.05585	DOWN	3.25E-212
mmu-miR-142b	6645	1652	76.21333	22.72667	-1.0677	DOWN	6.49E-210
mmu-miR-34b-3p	5842	1372	66.77667	18.60333	-1.14983	DOWN	4.85E-208
mmu-miR-365-3p	3460	3656	39.47	51.61667	1.01985	UP	1.23E-205
novel_mir19	68	641	0.776667	9.443333	4.177073	UP	1.64E-202
mmu-miR-144-5p	165	746	1.896667	10.57333	3.117065	UP	1.22E-189
mmu-miR-466h-3p	4184	862	48.03667	11.51	-1.33877	DOWN	2.27E-189
mmu-miR-365-2-5p	3177	563	36.46333	7.636667	-1.5561	DOWN	2.85E-180
novel_mir194	156	608	1.770333	9.146667	2.902881	UP	7.25E-145
novel_mir192	175	624	1.986667	9.163333	2.774547	UP	4.85E-142
novel_mir117	38	428	0.436667	6.313333	4.433895	UP	5.09E-140
mmu-miR-466o-5p	3274	732	37.38667	10.88667	-1.22078	DOWN	5.19E-129
novel_mir264	1669	235	19.21667	3.240333	-1.8879	DOWN	7.04E-125
mmu-miR-193b-5p	33	379	0.38	5.356667	4.462015	UP	1.43E-124
novel_mir365	62	417	0.720333	6.203333	3.690063	UP	1.58E-122
mmu-miR-486a-3p	1292	1567	14.87333	21.24	1.218755	UP	2.39E-118
mmu-miR-676-3p	461	843	5.343333	11.30667	1.811121	UP	1.44E-114
mmu-miR-337-5p	1949	2046	22.46667	26.84333	1.010428	UP	3.09E-114
mmu-miR-8112	3448	851	39.57333	11.51	-1.07817	DOWN	1.28E-111
mmu-miR-409-3p	1282	1500	14.74667	20.00333	1.166922	UP	6.00E-106
novel_mir358	1019	1287	11.65	18.78667	1.277213	UP	7.77E-105
mmu-miR-669m-5p	1918	367	21.97667	5.43	-1.4454	DOWN	1.75E-98
mmu-miR-147-3p	2030	415	23.17667	5.783333	-1.34994	DOWN	4.56E-94
mmu-miR-466i-5p	2813	698	32.07333	9.55	-1.07046	DOWN	2.23E-90
mmu-miR-1843b-3p	35	282	0.4	4.13	3.950624	UP	2.43E-87
novel_mir197	21	255	0.247333	3.793333	4.542391	UP	4.23E-85
mmu-miR-34b-5p	1530	286	17.45333	3.913333	-1.47909	DOWN	1.21E-81
mmu-miR-466f-3p	2122	488	24.40333	6.606667	-1.18012	DOWN	5.41E-80
novel_mir175	92	332	1.056667	4.886667	2.791833	UP	5.83E-77
mmu-miR-331-3p	2362	586	27.02667	7.88	-1.07068	DOWN	3.23E-76
mmu-miR-219c-3p	715	75	8.226667	1.000333	-2.31263	DOWN	3.85E-70
mmu-miR-466p-3p	2346	611	27.04667	8.466667	-1.0006	DOWN	6.00E-68
mmu-miR-341-3p	1168	207	13.38	2.756667	-1.55598	DOWN	1.71E-67
mmu-miR-455-5p	880	988	10.09667	12.95667	1.107363	UP	6.72E-65
mmu-miR-183-3p	1464	310	16.76667	4.306667	-1.29922	DOWN	1.49E-64
mmu-miR-381-3p	970	1049	11.14333	13.75333	1.053314	UP	1.46E-63
novel_mir320	556	49	6.346667	0.667	-2.56388	DOWN	1.12E-61
mmu-miR-26b-3p	1748	433	20.04667	5.966667	-1.07291	DOWN	4.53E-57
mmu-miR-455-3p	716	822	8.25	10.75333	1.139534	UP	8.87E-57
mmu-miR-466f-5p	327	1	3.813333	0.014	-7.41279	DOWN	1.23E-56

mmu-miR-466e-3p	784	117	8.81	1.733333	-1.80399	DOWN	3.40E-56
mmu-miR-378c	538	670	6.196667	8.833333	1.25691	UP	3.80E-54
mmu-miR-3473b	993	190	11.36333	2.73	-1.44544	DOWN	6.96E-52
mmu-miR-1247-5p	114	274	1.313333	3.623333	2.205498	UP	3.04E-49
mmu-miR-204-5p	268	420	3.106667	5.616667	1.588512	UP	1.61E-48
novel_mir452	81	231	0.93	3.34	2.452255	UP	3.40E-47
mmu-miR-182-3p	1071	232	12.27667	3.22	-1.26641	DOWN	6.45E-46
novel_mir140	0	164	0.001	2.396667	9.297907	UP	5.33E-45
novel_mir130	0	156	0.001	2.346667	9.225758	UP	2.80E-43
mmu-miR-188-3p	260	9	2.98	0.120333	-3.91209	DOWN	1.19E-42
novel_mir181	710	743	8.146667	11.02	1.005899	UP	2.37E-42
mmu-miR-212-5p	1261	314	14.48333	4.16	-1.06538	DOWN	3.29E-41
mmu-miR-466i-3p	1023	231	11.76333	3.103333	-1.20649	DOWN	7.64E-41
mmu-miR-487b-3p	454	537	5.206667	7.203333	1.182585	UP	6.71E-40
mmu-miR-494-3p	425	514	4.876667	6.74	1.214661	UP	7.57E-40
mmu-miR-1306-5p	224	347	2.563333	4.696667	1.571792	UP	8.39E-40
mmu-miR-485-5p	513	582	5.913333	7.716667	1.122416	UP	8.82E-40
novel_mir301	0	136	0.001	2.063667	9.027818	UP	7.03E-39
novel_mir177	0	135	0.001	1.996667	9.017171	UP	1.18E-38
novel_mir418	229	0	2.680667	0.001	-7.89885	DOWN	1.24E-38
novel_mir111	341	30	3.9	0.390667	-2.56638	DOWN	1.49E-38
mmu-miR-1843a-3p	1160	289	13.26	3.926667	-1.06463	DOWN	5.26E-38
mmu-miR-3099-3p	1026	242	11.78333	3.38	-1.1436	DOWN	9.44E-38
mmu-miR-130a-5p	937	211	10.79667	2.883333	-1.21045	DOWN	9.66E-38
novel_mir57	213	0	2.463333	0.001	-7.79435	DOWN	2.20E-36
mmu-miR-24-1-5p	1106	278	12.65333	3.753333	-1.05184	DOWN	1.22E-35
novel_mir90	0	119	0.001	1.763333	8.835173	UP	5.19E-35
mmu-miR-20a-3p	1074	274	12.31	3.786667	-1.03039	DOWN	1.46E-33
novel_mir352	239	14	2.743667	0.180667	-3.15316	DOWN	1.62E-33
novel_mir423	0	111	0.001	1.640333	8.734771	UP	3.81E-33
novel_mir368	190	0	2.19	0.001	-7.6295	DOWN	4.35E-33
novel_mir23	0	110	0.001	1.687	8.721715	UP	6.56E-33
mmu-miR-540-3p	365	434	4.203333	5.656667	1.190154	UP	6.88E-33
novel_mir269	178	0	2.077	0.001	-7.53538	DOWN	2.47E-31
mmu-miR-205-5p	15	101	0.17	1.323333	3.691676	UP	4.80E-31
mmu-miR-376b-3p	495	520	5.716667	6.806667	1.011439	UP	2.06E-30
mmu-miR-3470a	371	422	4.263333	6.013333	1.126179	UP	1.85E-29
novel_mir193	161	0	1.880333	0.001	-7.39056	DOWN	8.28E-29
mmu-miR-3470b	259	329	2.973333	4.68	1.285491	UP	2.21E-28
novel_mir312	0	91	0.001	1.357	8.44815	UP	2.49E-28
novel_mir261	153	0	1.790667	0.001	-7.31703	DOWN	1.33E-27
mmu-miR-1930-5p	540	109	6.173333	1.473333	-1.36828	DOWN	8.03E-27
mmu-miR-26a-2-3p	808	203	9.246667	2.796667	-1.05252	DOWN	1.63E-26
mmu-miR-149-3p	575	122	6.593333	1.666667	-1.29633	DOWN	2.57E-26
mmu-miR-331-5p	538	110	6.176667	1.573333	-1.34975	DOWN	3.28E-26
novel_mir454	0	82	0.001	1.216667	8.297907	UP	4.40E-26
novel_mir131	141	0	1.633333	0.001	-7.1992	DOWN	9.12E-26
mmu-miR-712-3p	19	92	0.213333	1.393333	3.21599	UP	1.30E-25
novel_mir65	0	79	0.001	1.17	8.244136	UP	2.54E-25
novel_mir267	137	0	1.604	0.001	-7.15768	DOWN	3.79E-25
mmu-miR-1a-1-5p	6	71	0.070333	0.920667	4.50514	UP	7.28E-25
novel_mir241	442	83	5.043333	1.077333	-1.47251	DOWN	1.15E-24
novel_mir97	0	75	0.001	1.067333	8.169174	UP	2.69E-24
mmu-miR-667-3p	370	394	4.263333	5.156667	1.031026	UP	3.85E-24

mmu-miR-714	21	90	0.24	1.32	3.039891	UP	6.53E-24
novel_mir445	125	0	1.433667	0.001	-7.02543	DOWN	2.85E-23
mmu-miR-465b-5p	45	116	0.516667	1.653667	2.306483	UP	6.02E-23
mmu-miR-466h-5p	593	139	6.846667	1.896667	-1.15259	DOWN	8.78E-23
mmu-miR-767	0	67	0.001	0.954	8.006445	UP	3.31E-22
mmu-miR-15a-3p	423	85	4.83	1.186667	-1.37477	DOWN	1.67E-21
novel_mir394	105	170	1.196667	2.473333	1.635501	UP	1.90E-21
novel_mir247	113	0	1.313667	0.001	-6.87982	DOWN	2.33E-21
mmu-miR-450a-2-3p	147	9	1.676667	0.133333	-3.08939	DOWN	7.01E-21
mmu-miR-1957a	220	26	2.51	0.36	-2.14056	DOWN	7.58E-21
mmu-miR-6481	114	3	1.3	0.043667	-4.30757	DOWN	1.17E-20
mmu-miR-5121	186	234	2.13	3.266667	1.271561	UP	2.47E-20
novel_mir331	102	0	1.187	0.001	-6.73207	DOWN	1.42E-19
mmu-miR-323-3p	229	264	2.63	3.593333	1.145546	UP	1.61E-19
mmu-miR-3095-3p	420	90	4.796667	1.223333	-1.28204	DOWN	2.40E-19
novel_mir5	60	120	0.700333	1.777	1.940355	UP	2.43E-19
mmu-miR-133a-5p	4	53	0.047333	0.687333	4.668276	UP	3.20E-19
novel_mir468	99	0	1.160667	0.001	-6.689	DOWN	4.42E-19
mmu-miR-297c-3p	20	75	0.233667	1.053333	2.847246	UP	4.90E-19
novel_mir189	98	0	1.147333	0.001	-6.67435	DOWN	6.46E-19
mmu-miR-675-3p	48	106	0.556667	1.383667	2.083313	UP	8.61E-19
novel_mir74	94	0	1.093667	0.001	-6.61423	DOWN	2.97E-18
novel_mir94	92	0	1.056667	0.001	-6.58321	DOWN	6.40E-18
mmu-miR-6988-3p	315	60	3.606667	0.816667	-1.45196	DOWN	1.08E-17
novel_mir36	90	0	1.054	0.001	-6.5515	DOWN	1.38E-17
mmu-miR-5122	90	0	1.036667	0.001	-6.5515	DOWN	1.38E-17
novel_mir22	34	87	0.393667	1.273333	2.295836	UP	1.62E-17
mmu-miR-1982-3p	245	39	2.796667	0.53	-1.71088	DOWN	1.74E-17
novel_mir380	89	0	1.02	0.001	-6.53538	DOWN	2.03E-17
novel_mir305	88	0	1.013667	0.001	-6.51908	DOWN	2.99E-17
mmu-miR-129b-3p	22	72	0.253333	0.976667	2.650849	UP	3.99E-17
novel_mir159	51	102	0.580333	1.456667	1.940355	UP	1.13E-16
novel_mir400	80	0	0.933667	0.001	-6.38157	DOWN	6.81E-16
mmu-miR-154-3p	185	212	2.126667	2.773333	1.136894	UP	8.35E-16
novel_mir392	79	0	0.920333	0.001	-6.36343	DOWN	1.01E-15
novel_mir211	78	0	0.903667	0.001	-6.34505	DOWN	1.50E-15
novel_mir389	78	0	0.900333	0.001	-6.34505	DOWN	1.50E-15
novel_mir115	77	0	0.886667	0.001	-6.32643	DOWN	2.23E-15
mmu-miR-299a-3p	166	194	1.903333	2.543333	1.165229	UP	4.06E-15
mmu-let-7g-3p	182	26	2.086667	0.373333	-1.867	DOWN	6.69E-15
novel_mir446	72	0	0.833667	0.001	-6.22957	DOWN	1.63E-14
mmu-miR-6956-3p	163	22	1.866667	0.303333	-1.94894	DOWN	3.26E-14
novel_mir76	70	0	0.820667	0.001	-6.18893	DOWN	3.64E-14
novel_mir196	70	0	0.813667	0.001	-6.18893	DOWN	3.64E-14
novel_mir98	187	29	2.14	0.377333	-1.74856	DOWN	4.39E-14
mmu-miR-6236	2	36	0.024	0.523333	5.11028	UP	6.94E-14
novel_mir155	157	21	1.78	0.274	-1.96195	DOWN	7.47E-14
novel_mir184	67	0	0.773667	0.001	-6.12573	DOWN	1.22E-13
novel_mir374	66	0	0.774	0.001	-6.10404	DOWN	1.84E-13
mmu-miR-712-5p	16	54	0.186667	0.803333	2.695243	UP	1.96E-13
mmu-miR-673-5p	176	193	2.033333	2.53	1.073381	UP	2.28E-13
mmu-miR-465b-3p	87	5	1.003333	0.070333	-3.18066	DOWN	2.72E-13
novel_mir246	65	0	0.747	0.001	-6.08201	DOWN	2.76E-13
novel_mir364	65	0	0.760667	0.001	-6.08201	DOWN	2.76E-13

novel_mir70	64	0	0.747	0.001	-6.05964	DOWN	4.15E-13
novel_mir79	63	0	0.733667	0.001	-6.03692	DOWN	6.24E-13
novel_mir217	108	10	1.264	0.130667	-2.4926	DOWN	6.54E-13
novel_mir92	15	51	0.177333	0.743667	2.70589	UP	8.11E-13
novel_mir397	62	0	0.71	0.001	-6.01384	DOWN	9.40E-13
mmu-miR-301a-5p	328	80	3.78	1.076667	-1.09527	DOWN	2.33E-12
novel_mir14	59	0	0.673333	0.001	-5.94229	DOWN	3.24E-12
mmu-miR-485-3p	37	73	0.423333	0.96	1.920727	UP	3.26E-12
novel_mir114	139	19	1.6	0.247333	-1.93066	DOWN	3.33E-12
novel_mir347	57	0	0.667333	0.001	-5.89253	DOWN	7.41E-12
novel_mir436	57	0	0.650333	0.001	-5.89253	DOWN	7.41E-12
mmu-miR-709	134	153	1.536667	2.216667	1.131654	UP	9.59E-12
novel_mir275	56	0	0.657333	0.001	-5.867	DOWN	1.12E-11
novel_mir435	55	0	0.637	0.001	-5.841	DOWN	1.71E-11
novel_mir122	55	0	0.627	0.001	-5.841	DOWN	1.71E-11
novel_mir442	54	0	0.634	0.001	-5.81453	DOWN	2.59E-11
novel_mir282	54	0	0.617	0.001	-5.81453	DOWN	2.59E-11
mmu-miR-3057-3p	122	16	1.403333	0.213333	-1.99038	DOWN	2.82E-11
mmu-miR-5134-3p	140	21	1.61	0.28	-1.79661	DOWN	2.82E-11
mmu-miR-129b-5p	7	36	0.080333	0.493333	3.302926	UP	3.58E-11
novel_mir8	53	0	0.61	0.001	-5.78756	DOWN	3.94E-11
novel_mir334	53	0	0.620667	0.001	-5.78756	DOWN	3.94E-11
mmu-miR-1934-5p	321	82	3.676667	1.113333	-1.02852	DOWN	4.37E-11
mmu-miR-370-3p	105	127	1.216667	1.663667	1.214795	UP	5.12E-11
novel_mir93	52	0	0.590333	0.001	-5.76008	DOWN	6.01E-11
novel_mir126	161	28	1.863333	0.364	-1.58321	DOWN	6.73E-11
novel_mir38	50	0	0.587333	0.001	-5.7035	DOWN	1.40E-10
novel_mir200	50	0	0.587333	0.001	-5.7035	DOWN	1.40E-10
novel_mir105	14	43	0.160667	0.653667	2.559265	UP	1.80E-10
mmu-miR-7070-3p	222	49	2.543333	0.673333	-1.23935	DOWN	1.92E-10
novel_mir373	49	0	0.574	0.001	-5.67435	DOWN	2.14E-10
mmu-miR-466m-3p	255	61	2.933333	0.833333	-1.12326	DOWN	2.77E-10
novel_mir7	280	70	3.216667	0.973333	-1.05964	DOWN	2.83E-10
mmu-miR-135a-1-3j	2	26	0.020333	0.36	4.640795	UP	3.62E-10
novel_mir69	47	0	0.550667	0.001	-5.61423	DOWN	5.01E-10
mmu-miR-344-3p	277	71	3.166667	1.02	-1.02364	DOWN	1.07E-09
novel_mir227	45	0	0.520333	0.001	-5.5515	DOWN	1.18E-09
novel_mir209	45	0	0.527333	0.001	-5.5515	DOWN	1.18E-09
novel_mir58	45	0	0.527333	0.001	-5.5515	DOWN	1.18E-09
novel_mir240	141	25	1.63	0.324	-1.55534	DOWN	1.65E-09
mmu-miR-690	272	70	3.096667	0.97	-1.01782	DOWN	1.80E-09
novel_mir151	44	0	0.506667	0.001	-5.51908	DOWN	1.82E-09
novel_mir383	44	0	0.514	0.001	-5.51908	DOWN	1.82E-09
mmu-miR-328-5p	171	35	1.963333	0.463667	-1.34821	DOWN	2.43E-09
mmu-miR-879-5p	43	0	0.49	0.001	-5.48591	DOWN	2.80E-09
novel_mir228	43	0	0.504	0.001	-5.48591	DOWN	2.80E-09
novel_mir313	94	12	1.087	0.157333	-2.02927	DOWN	3.29E-09
novel_mir222	42	0	0.490667	0.001	-5.45196	DOWN	4.32E-09
novel_mir340	42	0	0.48	0.001	-5.45196	DOWN	4.32E-09
novel_mir61	42	0	0.487	0.001	-5.45196	DOWN	4.32E-09
novel_mir63	42	0	0.490667	0.001	-5.45196	DOWN	4.32E-09
novel_mir172	41	0	0.480667	0.001	-5.4172	DOWN	6.67E-09
novel_mir376	41	0	0.473667	0.001	-5.4172	DOWN	6.67E-09
novel_mir346	92	12	1.053333	0.157333	-1.99824	DOWN	6.84E-09

novel_mir18	0	21	0.001	0.303667	6.332673	UP	9.76E-09
novel_mir401	0	21	0.001	0.274	6.332673	UP	9.76E-09
novel_mir455	40	0	0.467333	0.001	-5.38157	DOWN	1.03E-08
novel_mir382	40	0	0.467333	0.001	-5.38157	DOWN	1.03E-08
mmu-miR-465c-5p	82	98	0.956667	1.407	1.197513	UP	1.17E-08
mmu-miR-3068-3p	78	9	0.886667	0.123333	-2.17512	DOWN	1.77E-08
novel_mir370	38	0	0.436667	0.001	-5.30757	DOWN	2.48E-08
novel_mir75	38	0	0.44	0.001	-5.30757	DOWN	2.48E-08
novel_mir41	38	0	0.444	0.001	-5.30757	DOWN	2.48E-08
novel_mir336	38	0	0.444	0.001	-5.30757	DOWN	2.48E-08
mmu-miR-676-5p	10	32	0.116667	0.420333	2.618427	UP	2.53E-08
mmu-miR-675-5p	2	21	0.024	0.280333	4.332673	UP	2.87E-08
mmu-miR-6971-3p	167	37	1.916667	0.5	-1.2339	DOWN	3.72E-08
novel_mir236	37	0	0.423667	0.001	-5.2691	DOWN	3.85E-08
novel_mir207	37	0	0.434	0.001	-5.2691	DOWN	3.85E-08
novel_mir327	37	0	0.434	0.001	-5.2691	DOWN	3.85E-08
mmu-miR-409-5p	41	62	0.47	0.82	1.537	UP	4.01E-08
novel_mir154	0	19	0.001	0.297333	6.188283	UP	4.61E-08
novel_mir195	36	0	0.413667	0.001	-5.22957	DOWN	5.99E-08
novel_mir258	36	0	0.420667	0.001	-5.22957	DOWN	5.99E-08
mmu-miR-292b-5p	2	20	0.024	0.276667	4.262284	UP	6.94E-08
novel_mir6	103	110	1.18	1.6	1.035215	UP	7.74E-08
novel_mir145	13	34	0.150667	0.534	2.327379	UP	7.93E-08
novel_mir30	35	0	0.397	0.001	-5.18893	DOWN	9.33E-08
novel_mir21	35	0	0.403667	0.001	-5.18893	DOWN	9.33E-08
novel_mir243	35	0	0.410667	0.001	-5.18893	DOWN	9.33E-08
novel_mir165	0	18	0.001	0.257333	6.11028	UP	1.01E-07
mmu-miR-1199-5p	143	31	1.65	0.423333	-1.26532	DOWN	2.06E-07
novel_mir160	33	0	0.380333	0.001	-5.10404	DOWN	2.28E-07
novel_mir393	33	0	0.383667	0.001	-5.10404	DOWN	2.28E-07
mmu-miR-3473a	46	63	0.526667	0.91	1.394073	UP	2.66E-07
mmu-miR-374c-5p	136	29	1.566667	0.396667	-1.28913	DOWN	2.75E-07
mmu-miR-204-3p	1	17	0.014	0.233667	5.027818	UP	2.80E-07
novel_mir408	32	0	0.374	0.001	-5.05964	DOWN	3.56E-07
novel_mir226	32	0	0.367	0.001	-5.05964	DOWN	3.56E-07
novel_mir99	32	0	0.374	0.001	-5.05964	DOWN	3.56E-07
novel_mir17	32	0	0.374	0.001	-5.05964	DOWN	3.56E-07
novel_mir326	32	0	0.370333	0.001	-5.05964	DOWN	3.56E-07
mmu-miR-449c-5p	149	34	1.713333	0.493333	-1.19135	DOWN	4.27E-07
novel_mir64	90	15	1.026667	0.194	-1.64461	DOWN	5.30E-07
novel_mir359	31	0	0.364	0.001	-5.01384	DOWN	5.59E-07
novel_mir35	31	0	0.357	0.001	-5.01384	DOWN	5.59E-07
novel_mir250	31	0	0.357	0.001	-5.01384	DOWN	5.59E-07
novel_mir234	31	0	0.364	0.001	-5.01384	DOWN	5.59E-07
mmu-miR-483-3p	3	19	0.033667	0.247333	3.60332	UP	6.33E-07
mmu-miR-344c-3p	117	24	1.34	0.326667	-1.34505	DOWN	8.40E-07
novel_mir466	30	0	0.340333	0.001	-4.96654	DOWN	8.78E-07
novel_mir459	30	0	0.350667	0.001	-4.96654	DOWN	8.78E-07
novel_mir142	0	15	0.001	0.214	5.847246	UP	1.13E-06
novel_mir419	29	0	0.340667	0.001	-4.91763	DOWN	1.38E-06
novel_mir291	29	0	0.340667	0.001	-4.91763	DOWN	1.38E-06
novel_mir266	29	0	0.340667	0.001	-4.91763	DOWN	1.38E-06
novel_mir421	29	0	0.340667	0.001	-4.91763	DOWN	1.38E-06
novel_mir343	29	0	0.340667	0.001	-4.91763	DOWN	1.38E-06

novel_mir348	29	0	0.333667	0.001	-4.91763	DOWN	1.38E-06
novel_mir205	28	0	0.323667	0.001	-4.867	DOWN	2.18E-06
novel_mir467	28	0	0.317	0.001	-4.867	DOWN	2.18E-06
novel_mir123	28	0	0.327333	0.001	-4.867	DOWN	2.18E-06
novel_mir262	0	14	0.001	0.180667	5.74771	UP	2.56E-06
novel_mir404	0	14	0.001	0.200667	5.74771	UP	2.56E-06
novel_mir449	27	0	0.317333	0.001	-4.81453	DOWN	3.44E-06
novel_mir28	27	0	0.317333	0.001	-4.81453	DOWN	3.44E-06
novel_mir173	27	0	0.313667	0.001	-4.81453	DOWN	3.44E-06
mmu-miR-770-3p	41	54	0.473333	0.72	1.337691	UP	3.91E-06
mmu-miR-6395	56	7	0.643333	0.103667	-2.05964	DOWN	4.02E-06
mmu-miR-493-3p	26	41	0.3	0.537	1.597468	UP	4.39E-06
novel_mir319	26	0	0.304	0.001	-4.76008	DOWN	5.44E-06
novel_mir310	26	0	0.304	0.001	-4.76008	DOWN	5.44E-06
novel_mir289	26	0	0.293667	0.001	-4.76008	DOWN	5.44E-06
novel_mir106	26	0	0.293667	0.001	-4.76008	DOWN	5.44E-06
novel_mir50	26	0	0.304	0.001	-4.76008	DOWN	5.44E-06
novel_mir458	26	0	0.304	0.001	-4.76008	DOWN	5.44E-06
novel_mir427	26	0	0.297	0.001	-4.76008	DOWN	5.44E-06
novel_mir453	26	0	0.304	0.001	-4.76008	DOWN	5.44E-06
mmu-miR-433-5p	43	55	0.49	0.73	1.29545	UP	5.50E-06
mmu-miR-6943-3p	66	10	0.756667	0.136667	-1.78211	DOWN	5.51E-06
mmu-miR-148a-5p	21	36	0.24	0.48	1.717963	UP	5.84E-06
novel_mir120	0	13	0.001	0.204	5.640795	UP	5.87E-06
mmu-miR-6964-3p	47	5	0.536667	0.07	-2.29231	DOWN	6.32E-06
mmu-miR-370-5p	6	20	0.07	0.266667	2.677321	UP	8.27E-06
novel_mir268	25	0	0.287	0.001	-4.7035	DOWN	8.61E-06
novel_mir317	25	0	0.287	0.001	-4.7035	DOWN	8.61E-06
novel_mir48	25	0	0.294	0.001	-4.7035	DOWN	8.61E-06
novel_mir409	25	0	0.287	0.001	-4.7035	DOWN	8.61E-06
novel_mir406	25	0	0.294	0.001	-4.7035	DOWN	8.61E-06
novel_mir12	25	0	0.294	0.001	-4.7035	DOWN	8.61E-06
mmu-miR-301b-5p	87	17	0.996667	0.223667	-1.41513	DOWN	1.01E-05
mmu-miR-878-5p	8	22	0.09	0.317	2.399787	UP	1.10E-05
mmu-miR-590-3p	0	12	0.001	0.173667	5.525318	UP	1.36E-05
novel_mir297	24	0	0.280667	0.001	-4.64461	DOWN	1.37E-05
novel_mir171	24	0	0.280333	0.001	-4.64461	DOWN	1.37E-05
mmu-miR-208b-3p	24	0	0.280333	0.001	-4.64461	DOWN	1.37E-05
novel_mir443	24	0	0.280667	0.001	-4.64461	DOWN	1.37E-05
novel_mir232	24	0	0.280333	0.001	-4.64461	DOWN	1.37E-05
novel_mir91	24	0	0.280667	0.001	-4.64461	DOWN	1.37E-05
novel_mir29	24	0	0.280667	0.001	-4.64461	DOWN	1.37E-05
novel_mir470	143	37	1.64	0.530333	-1.01006	DOWN	1.47E-05
novel_mir9	69	73	0.786667	1.000333	1.021656	UP	1.49E-05
mmu-miR-7075-3p	103	23	1.186667	0.32	-1.22258	DOWN	1.78E-05
mmu-miR-6900-3p	88	18	1.006667	0.250333	-1.34915	DOWN	1.85E-05
mmu-miR-127-5p	29	41	0.333333	0.533667	1.439926	UP	2.10E-05
novel_mir412	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
mmu-miR-871-3p	23	0	0.260333	0.001	-4.58321	DOWN	2.18E-05
novel_mir363	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir296	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir233	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir136	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir396	23	0	0.257333	0.001	-4.58321	DOWN	2.18E-05

novel_mir56	23	0	0.267	0.001	-4.58321	DOWN	2.18E-05
novel_mir214	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir185	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
novel_mir295	23	0	0.270667	0.001	-4.58321	DOWN	2.18E-05
mmu-miR-103-1-5p	102	23	1.173333	0.31	-1.20851	DOWN	2.32E-05
mmu-miR-211-5p	51	7	0.586667	0.1	-1.92471	DOWN	2.57E-05
mmu-miR-122-3p	17	30	0.193333	0.426667	1.759783	UP	2.59E-05
novel_mir183	22	0	0.257333	0.001	-4.51908	DOWN	3.47E-05
novel_mir362	22	0	0.250333	0.001	-4.51908	DOWN	3.47E-05
novel_mir253	22	0	0.257333	0.001	-4.51908	DOWN	3.47E-05
novel_mir369	22	0	0.257333	0.001	-4.51908	DOWN	3.47E-05
mmu-miR-7036a-3p	22	0	0.25	0.001	-4.51908	DOWN	3.47E-05
mmu-miR-152-5p	53	59	0.61	0.783333	1.095078	UP	3.79E-05
mmu-miR-7666-3p	76	15	0.873333	0.203333	-1.40068	DOWN	4.23E-05
mmu-miR-471-5p	3	14	0.037	0.200333	3.162748	UP	5.11E-05
mmu-miR-6944-3p	15	27	0.173333	0.363667	1.788352	UP	5.43E-05
novel_mir461	21	0	0.247333	0.001	-4.45196	DOWN	5.54E-05
novel_mir341	21	0	0.247333	0.001	-4.45196	DOWN	5.54E-05
novel_mir229	21	0	0.247333	0.001	-4.45196	DOWN	5.54E-05
novel_mir132	21	0	0.247333	0.001	-4.45196	DOWN	5.54E-05
mmu-miR-383-5p	10	22	0.116667	0.300333	2.077859	UP	5.68E-05
mmu-miR-96-3p	41	5	0.47	0.070333	-2.09527	DOWN	6.65E-05
mmu-miR-186-3p	95	22	1.09	0.3	-1.17007	DOWN	6.89E-05
novel_mir324	0	10	0.001	0.130667	5.262284	UP	7.53E-05
novel_mir263	0	10	0.001	0.157333	5.262284	UP	7.53E-05
novel_mir156	0	10	0.001	0.130667	5.262284	UP	7.53E-05
mmu-miR-6399	58	10	0.666667	0.133333	-1.5957	DOWN	8.16E-05
mmu-miR-8116	2	12	0.023667	0.167	3.525318	UP	8.65E-05
mmu-miR-302a-3p	20	0	0.230667	0.001	-4.38157	DOWN	8.86E-05
novel_mir444	20	0	0.234	0.001	-4.38157	DOWN	8.86E-05
novel_mir420	20	0	0.234	0.001	-4.38157	DOWN	8.86E-05
novel_mir299	20	0	0.234	0.001	-4.38157	DOWN	8.86E-05
mmu-miR-6919-3p	32	3	0.366667	0.040667	-2.47468	DOWN	9.74E-05
mmu-miR-1895	55	58	0.633333	0.816667	1.016977	UP	0.000120525
mmu-miR-3094-3p	22	1	0.253333	0.014	-3.51908	DOWN	0.000125958
mmu-miR-495-5p	27	36	0.306667	0.483333	1.355393	UP	0.000140449
novel_mir11	19	0	0.224	0.001	-4.30757	DOWN	0.000142042
novel_mir333	19	0	0.224	0.001	-4.30757	DOWN	0.000142042
novel_mir162	19	0	0.224	0.001	-4.30757	DOWN	0.000142042
novel_mir287	19	0	0.224	0.001	-4.30757	DOWN	0.000142042
novel_mir339	19	0	0.224	0.001	-4.30757	DOWN	0.000142042
mmu-miR-143-5p	86	20	0.99	0.266667	-1.16398	DOWN	0.000162507
mmu-miR-185-3p	108	28	1.236667	0.386667	-1.00718	DOWN	0.000171641
mmu-miR-1969	88	21	1.01	0.29	-1.12676	DOWN	0.00020189
novel_mir372	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir381	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir390	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir178	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir204	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir221	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
novel_mir169	18	0	0.210667	0.001	-4.22957	DOWN	0.000228222
mmu-miR-106a-5p	93	23	1.066667	0.31	-1.07524	DOWN	0.000234361
mmu-miR-7116-3p	25	2	0.283333	0.027333	-2.7035	DOWN	0.00029838
mmu-miR-665-3p	34	40	0.393333	0.527	1.174821	UP	0.000331667



mmu-miR-194-2-3p	33	4	0.383333	0.054	-2.10404	DOWN	0.000333345
mmu-miR-3071-5p	29	3	0.333333	0.040333	-2.33266	DOWN	0.00033829
novel_mir170	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir42	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir72	17	0	0.194	0.001	-4.14711	DOWN	0.000367467
novel_mir248	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir219	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir43	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir285	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir407	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir280	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir210	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
novel_mir224	17	0	0.200667	0.001	-4.14711	DOWN	0.000367467
mmu-miR-6900-5p	43	7	0.493333	0.093667	-1.67855	DOWN	0.000435808
mmu-miR-294-3p	13	22	0.146667	0.323333	1.699347	UP	0.00043852
mmu-miR-181b-2-3p	36	5	0.41	0.067	-1.90764	DOWN	0.000439307
mmu-miR-696	0	8	0.001	0.107	4.940355	UP	0.000439866
novel_mir283	12	21	0.134	0.274	1.74771	UP	0.000459725
mmu-miR-323-5p	20	28	0.23	0.396667	1.425782	UP	0.000484203
mmu-miR-6932-5p	19	1	0.22	0.014	-3.30757	DOWN	0.000512582
mmu-miR-6899-3p	87	22	0.99	0.31	-1.04316	DOWN	0.000518149
mmu-miR-7677-3p	52	10	0.593333	0.133333	-1.43816	DOWN	0.000550249
novel_mir416	16	0	0.180667	0.001	-4.05964	DOWN	0.000592942
novel_mir277	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir308	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir367	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
mmu-miR-6955-3p	16	0	0.183333	0.001	-4.05964	DOWN	0.000592942
novel_mir278	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir304	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir71	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir52	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir354	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir405	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir44	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
novel_mir314	16	0	0.187333	0.001	-4.05964	DOWN	0.000592942
mmu-miR-1187	75	18	0.86	0.243333	-1.11854	DOWN	0.000647316
mmu-miR-666-5p	32	37	0.37	0.49	1.149809	UP	0.00069085
novel_mir403	51	10	0.59	0.130667	-1.41014	DOWN	0.000748105
novel_mir127	65	15	0.753667	0.194	-1.17512	DOWN	0.000954765
novel_mir16	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir25	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir321	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir113	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir31	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir188	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir168	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir309	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir220	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir378	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir272	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir238	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
novel_mir256	15	0	0.177333	0.001	-3.96654	DOWN	0.000958853
mmu-miR-7115-5p	37	40	0.423333	0.556667	1.05283	UP	0.001018938
mmu-miR-6948-3p	30	4	0.343333	0.057	-1.96654	DOWN	0.001058608



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