

Table SI. Serum miRs in mice exposed to 10 Gy X-ray irradiation.

Systematic_name	FC	Log FC	Regulation	mirbase accession no.
mmu-let-7b-5p	-3.3202853	-1.7313073	Down	MIMAT0000522
mmu-let-7i-5p	-2.7343314	-1.4511881	Down	MIMAT0000122
mmu-miR-1198-5p	-15.084757	-3.9150195	Down	MIMAT0005859
mmu-miR-125a-3p	-2.4132922	-1.2710025	Down	MIMAT0004528
mmu-miR-125b-5p	-19.53836	-4.2882376	Down	MIMAT0000136
mmu-miR-127-3p	-2.2618752	-1.1775193	Down	MIMAT0000139
mmu-miR-129-1-3p	-2.1308055	-1.091399	Down	MIMAT0016994
mmu-miR-140-3p	-2.472343	-1.3058789	Down	MIMAT0000152
mmu-miR-150-3p	-21.69256	-4.4391284	Down	MIMAT0004535
mmu-miR-181a-5p	-2.3534076	-1.2347512	Down	MIMAT0000210
mmu-miR-181b-5p	-4.827554	-2.2712924	Down	MIMAT0000673
mmu-miR-186-5p	-2.2599335	-1.1762803	Down	MIMAT0000215
mmu-miR-1896	-3.6903791	-1.883769	Down	MIMAT0007873
mmu-miR-1934-3p	-2.2219398	-1.1518197	Down	MIMAT0017341
mmu-miR-1955-3p	-3.275906	-1.711894	Down	MIMAT0017348
mmu-miR-199a-5p	-2.0789235	-1.0558367	Down	MIMAT0000229
mmu-miR-210-3p	-17.08666	-4.0947986	Down	MIMAT0000658
mmu-miR-222-3p	-5.796153	-2.5350957	Down	MIMAT0000670
mmu-miR-223-3p	-10.864309	-3.4415245	Down	MIMAT0000665
mmu-miR-25-3p	-23.80281	-4.57306	Down	MIMAT0000652
mmu-miR-27b-3p	-2.0950916	-1.0670133	Down	MIMAT0000126
mmu-miR-291b-5p	-5.6468825	-2.4974546	Down	MIMAT0003189
mmu-miR-294-5p	-2.1177838	-1.0825553	Down	MIMAT0004574
mmu-miR-298-5p	-2.0130482	-1.0093818	Down	MIMAT0000376
mmu-miR-29c-3p	-12.486874	-3.6423404	Down	MIMAT0000536
mmu-miR-3058-3p	-3.330838	-1.7358851	Down	MIMAT0014814
mmu-miR-3059-3p	-2.9530282	-1.5621952	Down	MIMAT0014812
mmu-miR-3081-5p	-5.1703644	-2.370266	Down	MIMAT0014870
mmu-miR-3091-5p	-3.302432	-1.7235289	Down	MIMAT0014903
mmu-miR-3098-5p	-3.9724612	-1.9900331	Down	MIMAT0014917
mmu-miR-3099-3p	-2.5274348	-1.3376739	Down	MIMAT0014816
mmu-miR-3113-5p	-3.5540833	-1.8294775	Down	MIMAT0014959
mmu-miR-3154	-3.5983186	-1.847323	Down	MIMAT0035714
mmu-miR-344i	-6.673522	-2.7384484	Down	MIMAT0022503

mmu-miR-3474	-16.286451	-4.0256004	Down	MIMAT0015646
mmu-miR-361-5p	-2.0890052	-1.0628161	Down	MIMAT0000704
mmu-miR-370-3p	-3.4935305	-1.8046857	Down	MIMAT0001095
mmu-miR-451a	-43.478672	-5.442236	Down	MIMAT0001632
mmu-miR-468-3p	-2.0539412	-1.0383949	Down	MIMAT0002109
mmu-miR-486a-5p	-2.4716122	-1.3054523	Down	MIMAT0003130
mmu-miR-5046	-6.503947	-2.7013154	Down	MIMAT0020540
mmu-miR-5132-3p	-2.0102212	-1.0073543	Down	MIMAT0022988
mmu-miR-5622-3p	-6.046935	-2.596204	Down	MIMAT0022372
mmu-miR-6349	-2.8811722	-1.5266559	Down	MIMAT0025092
mmu-miR-669n	-3.4623044	-1.7917325	Down	MIMAT0009427
mmu-miR-680	-4.350745	-2.1212626	Down	MIMAT0003457
mmu-miR-6899-5p	-8.53426	-3.093266	Down	MIMAT0027698
mmu-miR-6937-3p	-6.6654134	-2.7366943	Down	MIMAT0027775
mmu-miR-6938-5p	-3.1193342	-1.6412381	Down	MIMAT0027776
mmu-miR-6946-5p	-3.6546013	-1.869714	Down	MIMAT0027792
mmu-miR-6961-5p	-2.7820926	-1.4761704	Down	MIMAT0027822
mmu-miR-6969-5p	-13.933282	-3.8004632	Down	MIMAT0027840
mmu-miR-6980-5p	-2.4410536	-1.287504	Down	MIMAT0027862
mmu-miR-6987-5p	-6.988998	-2.8050857	Down	MIMAT0027876
mmu-miR-6988-5p	-28.853275	-4.850663	Down	MIMAT0027878
mmu-miR-7015-5p	-9.236295	-3.2073143	Down	MIMAT0027934
mmu-miR-7016-5p	-4.954919	-2.3088615	Down	MIMAT0027936
mmu-miR-7031-5p	-50.778446	-5.6661444	Down	MIMAT0027966
mmu-miR-7044-5p	-7.4041996	-2.8883438	Down	MIMAT0027992
mmu-miR-7047-3p	-12.28191	-3.618463	Down	MIMAT0027999
mmu-miR-705	-3.644838	-1.8658547	Down	MIMAT0003495
mmu-miR-7050-5p	-7.2668734	-2.8613348	Down	MIMAT0028004
mmu-miR-7063-3p	-11.9137125	-3.574551	Down	MIMAT0028031
mmu-miR-7066-5p	-6.7911196	-2.7636495	Down	MIMAT0028036
mmu-miR-721	-4.1108575	-2.0394394	Down	MIMAT0003515
mmu-miR-7218-3p	-2.1386673	-1.0967121	Down	MIMAT0028405
mmu-miR-758-5p	-3.7562115	-1.9092783	Down	MIMAT0017235
mmu-miR-7672-5p	-2.299884	-1.2015612	Down	MIMAT0029850
mmu-miR-7687-5p	-11.114396	-3.4743576	Down	MIMAT0029902
mmu-miR-8100	-2.5406215	-1.3451815	Down	MIMAT0031403
mmu-miR-8108	-2.4557428	-1.2961595	Down	MIMAT0031413

mmu-miR-883a-5p	-4.387269	-2.1333232	Down	MIMAT0004848
mmu-miR-92a-3p	-2.3251355	-1.2173147	Down	MIMAT0000539
mmu-miR-185-5p	4.3330708	2.1153898	Up	MIMAT0000214
mmu-miR-193b-3p	2.5424745	1.3462334	Up	MIMAT0004859
mmu-miR-214-3p	8.065199	3.0117102	Up	MIMAT0000661
mmu-miR-23b-3p	3.9832778	1.9939561	Up	MIMAT0000125
mmu-miR-24-3p	5.1076503	2.3526597	Up	MIMAT0000219
mmu-miR-27a-3p	4.0463367	2.0166163	Up	MIMAT0000537
mmu-miR-3074-1-3p	3.8892622	1.9594965	Up	MIMAT0014857
mmu-miR-3076-5p	3.8461058	1.9433985	Up	MIMAT0014860
mmu-miR-375-3p	6.7929335	2.7640347	Up	MIMAT0000739
mmu-miR-434-3p	2.1790946	1.1237288	Up	MIMAT0001422
mmu-miR-500-3p	2.0012105	1.0008729	Up	MIMAT0003507
mmu-miR-574-3p	32.46144	5.020655	Up	MIMAT0004894
mmu-miR-674-3p	4.334996	2.1160307	Up	MIMAT0003741
mmu-miR-6931-5p	2.2809372	1.1896267	Up	MIMAT0027762
mmu-miR-7055-3p	2.0276616	1.0198169	Up	MIMAT0028015
mmu-miR-7211-5p	7.8506813	2.972818	Up	MIMAT0028390
mmu-miR-7224-3p	3.785343	1.920424	Up	MIMAT0028417
mmu-miR-7653-3p	2.794098	1.4823825	Up	MIMAT0029813
mmu-miR-8103	2.4802427	1.3104813	Up	MIMAT0031407
mmu-miR-8109	2.0439942	1.0313911	Up	MIMAT0031415
mmu-miR-8112	3.9030888	1.9646163	Up	MIMAT0031418

miR, microRNA.

Table SII. Fecal miRs in mice exposed to 10 Gy X-ray irradiation.

Systematic_name	FC	Log FC	Regulation	mirbase accession no.
mmu-miR-10a-3p	-2.0619519	-1.0440106	Down	MIMAT0004659
mmu-miR-10a-5p	-4.3993125	-2.137278	Down	MIMAT0000648
mmu-miR-10b-3p	-2.0628345	-1.0446281	Down	MIMAT0004538
mmu-miR-1188-5p	-5.621748	-2.4910188	Down	MIMAT0005843
mmu-miR-1191b-3p	-2.6070592	-1.3824234	Down	MIMAT0029867
mmu-miR-124-3p	-2.6041296	-1.3808012	Down	MIMAT0000134
mmu-miR-1247-3p	-2.1282482	-1.0896664	Down	MIMAT0014801
mmu-miR-1247-5p	-3.00364	-1.5867119	Down	MIMAT0014800
mmu-miR-1249-5p	-16.30733	-4.0274487	Down	MIMAT0014804
mmu-miR-130b-3p	-4.275766	-2.0961828	Down	MIMAT0000387
mmu-miR-138-1-3p	-2.0955036	-1.067297	Down	MIMAT0004668
mmu-miR-138-5p	-6.012977	-2.5880795	Down	MIMAT0000150
mmu-miR-140-3p	-3.5807953	-1.84028	Down	MIMAT0000152
mmu-miR-145b	-18.302868	-4.193998	Down	MIMAT0025105
mmu-miR-155-5p	-2.5534546	-1.3524504	Down	MIMAT0000165
mmu-miR-181a-5p	-13.885167	-3.7954726	Down	MIMAT0000210
mmu-miR-181d-3p	-2.9985862	-1.5842824	Down	MIMAT0017264
mmu-miR-183-3p	-13.287583	-3.7320068	Down	MIMAT0004539
mmu-miR-187-5p	-3.618189	-1.8552678	Down	MIMAT0016997
mmu-miR-1898	-2.68258	-1.4236212	Down	MIMAT0007875
mmu-miR-1904	-2.202454	-1.139112	Down	MIMAT0007874
mmu-miR-1907	-2.5360425	-1.3425789	Down	MIMAT0007876
mmu-miR-1927	-2.264792	-1.1793785	Down	MIMAT0009390
mmu-miR-1929-5p	-3.224987	-1.6892934	Down	MIMAT0009392
mmu-miR-193a-5p	-3.4281168	-1.7774162	Down	MIMAT0004544
mmu-miR-193b-5p	-2.4100077	-1.2690377	Down	MIMAT0017271
mmu-miR-1945	-3.532344	-1.8206259	Down	MIMAT0009410
mmu-miR-1956	-57.938717	-5.856456	Down	MIMAT0009428
mmu-miR-1957a	-3.8953328	-1.9617466	Down	MIMAT0009430
mmu-miR-1960	-5.2377996	-2.3889608	Down	MIMAT0009433
mmu-miR-1964-5p	-32.386757	-5.017332	Down	MIMAT0017349
mmu-miR-1971	-4.9005313	-2.2929382	Down	MIMAT0009446
mmu-miR-1981-3p	-2.173637	-1.120111	Down	MIMAT0017351

mmu-miR-200a-5p	-2.0893605	-1.0630615	Down	MIMAT0004619
mmu-miR-204-3p	-10.213592	-3.3524184	Down	MIMAT0017002
mmu-miR-208a-5p	-12.270129	-3.6170785	Down	MIMAT0017014
mmu-miR-212-3p	-2.1647255	-1.1141841	Down	MIMAT0000659
mmu-miR-217-5p	-36.849697	-5.203581	Down	MIMAT0000679
mmu-miR-218-1-3p	-15.32771	-3.9380703	Down	MIMAT0004665
mmu-miR-223-3p	-2.084808	-1.0599146	Down	MIMAT0000665
mmu-miR-23a-5p	-3.262374	-1.7059221	Down	MIMAT0017019
mmu-miR-28a-3p	-13.729746	-3.779233	Down	MIMAT0004661
mmu-miR-291b-5p	-2.6490493	-1.4054747	Down	MIMAT0003189
mmu-miR-293-3p	-2.0845394	-1.0597286	Down	MIMAT0000371
mmu-miR-295-5p	-2.1382802	-1.0964508	Down	MIMAT0004575
mmu-miR-299b-3p	-2.6534526	-1.4078708	Down	MIMAT0022837
mmu-miR-300-5p	-3.876836	-1.9548798	Down	MIMAT0004578
mmu-miR-3059-5p	-4.8949127	-2.2912831	Down	MIMAT0014811
mmu-miR-3061-3p	-21.858477	-4.450121	Down	MIMAT0014829
mmu-miR-3061-5p	-21.413168	-4.4204264	Down	MIMAT0014828
mmu-miR-3063-3p	-56.156174	-5.8113728	Down	MIMAT0014833
mmu-miR-3068-5p	-8.377693	-3.066553	Down	MIMAT0014842
mmu-miR-3070-2-3p	-24.563715	-4.618457	Down	MIMAT0014849
mmu-miR-3070-3p	-5.4532523	-2.4471169	Down	MIMAT0014847
mmu-miR-3070-5p	-2.3796487	-1.2507486	Down	MIMAT0014846
mmu-miR-3071-5p	-2.3571815	-1.2370629	Down	MIMAT0014850
mmu-miR-3073a-5p	-64.71997	-6.016139	Down	MIMAT0014854
mmu-miR-3075-5p	-7.306496	-2.8691797	Down	MIMAT0014858
mmu-miR-3076-5p	-87.19732	-6.446212	Down	MIMAT0014860
mmu-miR-3085-5p	-2.8902738	-1.5312061	Down	MIMAT0014878
mmu-miR-3091-5p	-66.44528	-6.054095	Down	MIMAT0014903
mmu-miR-30b-3p	-3.436539	-1.7809563	Down	MIMAT0004524
mmu-miR-3104-5p	-2.2525196	-1.1715397	Down	MIMAT0014939
mmu-miR-3106-5p	-2.7517707	-1.4603603	Down	MIMAT0014817
mmu-miR-3110-3p	-2.0096726	-1.0069605	Down	MIMAT0014952
mmu-miR-3113-5p	-2.0032575	-1.002348	Down	MIMAT0014959
mmu-miR-320-3p	-2.0623662	-1.0443006	Down	MIMAT0000666
mmu-miR-33-3p	-2.2805247	-1.1893659	Down	MIMAT0004666

mmu-miR-330-3p	-13.212011	-3.7237782	Down	MIMAT0000569
mmu-miR-331-3p	-4.752936	-2.2488189	Down	MIMAT0000571
mmu-miR-343	-2.1130328	-1.0793152	Down	MIMAT0004868
mmu-miR-344f-3p	-5.018054	-2.327128	Down	MIMAT0014932
mmu-miR-344f-5p	-3.0844553	-1.6250157	Down	MIMAT0014931
mmu-miR-345-3p	-11.652875	-3.542614	Down	MIMAT0004656
mmu-miR-34c-3p	-2.4013138	-1.263824	Down	MIMAT0004580
mmu-miR-351-3p	-52.247555	-5.7072916	Down	MIMAT0017042
mmu-miR-3569-5p	-51.099327	-5.6752324	Down	MIMAT0029854
mmu-miR-3572-3p	-2.0293908	-1.0210466	Down	MIMAT0020636
mmu-miR-361-5p	-5.131721	-2.3594427	Down	MIMAT0000704
mmu-miR-3620-3p	-2.3540049	-1.2351173	Down	MIMAT0029879
mmu-miR-374b-3p	-2.0138874	-1.0099831	Down	MIMAT0003728
mmu-miR-378c	-17.924343	-4.1638484	Down	MIMAT0025138
mmu-miR-383-5p	-5.2518306	-2.3928204	Down	MIMAT0000748
mmu-miR-409-3p	-3.7652981	-1.9127641	Down	MIMAT0001090
mmu-miR-425-3p	-59.28995	-5.8897157	Down	MIMAT0001342
mmu-miR-448-5p	-5.497432	-2.4587579	Down	MIMAT0017176
mmu-miR-470-5p	-2.7206728	-1.4439635	Down	MIMAT0002111
mmu-miR-490-3p	-4.3664956	-2.1264758	Down	MIMAT0003780
mmu-miR-490-5p	-6.659043	-2.7353148	Down	MIMAT0017261
mmu-miR-493-3p	-2.193172	-1.133019	Down	MIMAT0004888
mmu-miR-500-3p	-4.154351	-2.0546231	Down	MIMAT0003507
mmu-miR-5104	-2.4435475	-1.2889771	Down	MIMAT0020611
mmu-miR-5118	-3.275079	-1.7115297	Down	MIMAT0020626
mmu-miR-5121	-2.6570656	-1.4098339	Down	MIMAT0020629
mmu-miR-5130	-2.2515976	-1.170949	Down	MIMAT0020641
mmu-miR-5134-5p	-2.4986608	-1.3211551	Down	MIMAT0020645
mmu-miR-5136	-2.6695702	-1.4166075	Down	MIMAT0020647
mmu-miR-540-3p	-8.686583	-3.1187887	Down	MIMAT0003167
mmu-miR-547-3p	-2.3043334	-1.2043495	Down	MIMAT0003173
mmu-miR-5616-3p	-10.785911	-3.431076	Down	MIMAT0022360
mmu-miR-5627-5p	-2.220704	-1.1510172	Down	MIMAT0022385
mmu-miR-6236	-2.9048085	-1.5384431	Down	MIMAT0024857
mmu-miR-6241	-3.6845522	-1.8814893	Down	MIMAT0024862

mmu-miR-6343	-5.8068643	-2.5377593	Down	MIMAT0025086
mmu-miR-6347	-28.985027	-4.857236	Down	MIMAT0025090
mmu-miR-6359	-47.750443	-5.577442	Down	MIMAT0025102
mmu-miR-6369	-2.3108912	-1.2084494	Down	MIMAT0025113
mmu-miR-6373	-21.085957	-4.3982105	Down	MIMAT0025117
mmu-miR-6382	-36.677895	-5.196839	Down	MIMAT0025128
mmu-miR-6386	-7.684248	-2.941904	Down	MIMAT0025133
mmu-miR-6388	-3.6733458	-1.8770947	Down	MIMAT0025135
mmu-miR-6402	-2.6623573	-1.4127042	Down	MIMAT0025154
mmu-miR-6408	-2.104574	-1.0735283	Down	MIMAT0025161
mmu-miR-6537-5p	-2.1984322	-1.1364751	Down	MIMAT0025581
mmu-miR-6539	-2.4927049	-1.3177121	Down	MIMAT0025584
mmu-miR-6540-5p	-2.0644817	-1.0457797	Down	MIMAT0025585
mmu-miR-664-5p	-5.9873486	-2.5819173	Down	MIMAT0017353
mmu-miR-667-3p	-6.2795615	-2.6506639	Down	MIMAT0003734
mmu-miR-671-3p	-30.758995	-4.9429364	Down	MIMAT0004821
mmu-miR-673-5p	-21.071987	-4.3972545	Down	MIMAT0003739
mmu-miR-6769b-5p	-2.0138223	-1.0099363	Down	MIMAT0028040
mmu-miR-677-3p	-2.3883414	-1.2560091	Down	MIMAT0017246
mmu-miR-6896-5p	-2.8068235	-1.4889383	Down	MIMAT0027692
mmu-miR-6899-5p	-2.1179972	-1.0827007	Down	MIMAT0027698
mmu-miR-6901-5p	-3.7923195	-1.9230806	Down	MIMAT0027702
mmu-miR-691	-2.2094529	-1.1436892	Down	MIMAT0003470
mmu-miR-6910-5p	-37.945686	-5.245864	Down	MIMAT0027720
mmu-miR-6915-5p	-23.882742	-4.5778966	Down	MIMAT0027730
mmu-miR-6919-5p	-8.429005	-3.0753622	Down	MIMAT0027738
mmu-miR-6924-5p	-2.0823495	-1.0582123	Down	MIMAT0027748
mmu-miR-6927-3p	-2.8358736	-1.5037932	Down	MIMAT0027755
mmu-miR-6930-5p	-13.4189825	-3.7462034	Down	MIMAT0027760
mmu-miR-6936-5p	-17.213661	-4.105482	Down	MIMAT0027772
mmu-miR-6938-5p	-6.0881577	-2.6060057	Down	MIMAT0027776
mmu-miR-6940-3p	-6.379936	-2.673542	Down	MIMAT0027781
mmu-miR-6946-5p	-2.6908507	-1.4280623	Down	MIMAT0027792
mmu-miR-6947-5p	-2.401737	-1.2640781	Down	MIMAT0027794
mmu-miR-6948-5p	-2.7309256	-1.4493899	Down	MIMAT0027796

mmu-miR-6949-5p	-2.3693833	-1.2445116	Down	MIMAT0027798
mmu-miR-6953-5p	-2.3794239	-1.2506123	Down	MIMAT0027806
mmu-miR-6959-5p	-7.259216	-2.8598137	Down	MIMAT0027818
mmu-miR-696	-3.4683743	-1.7942595	Down	MIMAT0003483
mmu-miR-6961-5p	-2.008732	-1.0062851	Down	MIMAT0027822
mmu-miR-6962-5p	-5.4694543	-2.451397	Down	MIMAT0027824
mmu-miR-6964-5p	-3.2994301	-1.7222168	Down	MIMAT0027828
mmu-miR-6967-5p	-6.9767637	-2.802558	Down	MIMAT0027836
mmu-miR-6973b-5p	-2.5130646	-1.3294477	Down	MIMAT0027908
mmu-miR-6977-3p	-4.9045258	-2.2941136	Down	MIMAT0027857
mmu-miR-698-5p	-2.0509577	-1.0362978	Down	MIMAT0022930
mmu-miR-6982-5p	-2.269519	-1.1823866	Down	MIMAT0027866
mmu-miR-6989-5p	-6.224315	-2.6379151	Down	MIMAT0027880
mmu-miR-6994-5p	-3.4409633	-1.7828125	Down	MIMAT0027890
mmu-miR-6999-5p	-2.8553433	-1.5136642	Down	MIMAT0027900
mmu-miR-7000-5p	-2.6675088	-1.415493	Down	MIMAT0027902
mmu-miR-7003-3p	-3.373179	-1.7541089	Down	MIMAT0027911
mmu-miR-7003-5p	-7.5287642	-2.9124131	Down	MIMAT0027910
mmu-miR-7006-5p	-21.838503	-4.448802	Down	MIMAT0027916
mmu-miR-7019-5p	-3.826842	-1.9361544	Down	MIMAT0027942
mmu-miR-7020-5p	-2.7144008	-1.4406338	Down	MIMAT0027944
mmu-miR-7027-5p	-2.4211507	-1.2756929	Down	MIMAT0027958
mmu-miR-7028-5p	-2.2442024	-1.1662028	Down	MIMAT0027960
mmu-miR-7029-5p	-11.088329	-3.4709702	Down	MIMAT0027962
mmu-miR-703	-2.0199244	-1.0143013	Down	MIMAT0003493
mmu-miR-7033-3p	-16.208366	-4.0186667	Down	MIMAT0027971
mmu-miR-7034-5p	-3.3404098	-1.740025	Down	MIMAT0027972
mmu-miR-7036b-5p	-83.81047	-6.3890586	Down	MIMAT0029808
mmu-miR-7037-3p	-2.0492876	-1.0351224	Down	MIMAT0027979
mmu-miR-7039-5p	-5.4992514	-2.4592352	Down	MIMAT0027982
mmu-miR-7048-3p	-4.215409	-2.0756726	Down	MIMAT0028001
mmu-miR-7053-3p	-4.786146	-2.2588644	Down	MIMAT0028011
mmu-miR-7060-5p	-8.44323	-3.077795	Down	MIMAT0028024
mmu-miR-7065-5p	-2.0669773	-1.0475225	Down	MIMAT0028034
mmu-miR-7066-5p	-3.9706092	-1.9893603	Down	MIMAT0028036

mmu-miR-7072-5p	-2.112727	-1.0791063	Down	MIMAT0028050
mmu-miR-7073-3p	-2.4610248	-1.2992592	Down	MIMAT0028053
mmu-miR-7077-5p	-22.085497	-4.4650273	Down	MIMAT0028060
mmu-miR-7078-5p	-2.180351	-1.1245604	Down	MIMAT0028062
mmu-miR-7083-3p	-2.553171	-1.3522902	Down	MIMAT0028073
mmu-miR-7083-5p	-209.86848	-7.7133417	Down	MIMAT0028072
mmu-miR-7086-5p	-2.2209413	-1.1511712	Down	MIMAT0028078
mmu-miR-7087-5p	-5.4405456	-2.4437513	Down	MIMAT0028080
mmu-miR-7088-5p	-2.8989542	-1.5355325	Down	MIMAT0028082
mmu-miR-7090-5p	-2.2852473	-1.1923504	Down	MIMAT0028086
mmu-miR-7119-5p	-2.056855	-1.0404401	Down	MIMAT0028135
mmu-miR-7210-5p	-2.7776082	-1.4738431	Down	MIMAT0028388
mmu-miR-7211-3p	-3.0661862	-1.6164453	Down	MIMAT0028391
mmu-miR-7212-5p	-2.076715	-1.0543032	Down	MIMAT0028392
mmu-miR-7215-3p	-6.900134	-2.7866244	Down	MIMAT0028399
mmu-miR-7216-5p	-3.0127122	-1.5910629	Down	MIMAT0028400
mmu-miR-7223-5p	-2.0444024	-1.0316792	Down	MIMAT0028414
mmu-miR-7225-5p	-29.376852	-4.876608	Down	MIMAT0028418
mmu-miR-7232-3p	-5.8244386	-2.542119	Down	MIMAT0028433
mmu-miR-7234-3p	-9.113985	-3.188082	Down	MIMAT0028437
mmu-miR-7236-5p	-7.40155	-2.8878274	Down	MIMAT0028440
mmu-miR-7241-3p	-2.0197227	-1.0141573	Down	MIMAT0028451
mmu-miR-758-5p	-2.6455405	-1.4035625	Down	MIMAT0017235
mmu-miR-760-5p	-6.994868	-2.8062968	Down	MIMAT0017245
mmu-miR-762	-2.0341907	-1.0244548	Down	MIMAT0003892
mmu-miR-763	-15.327664	-3.938066	Down	MIMAT0003896
mmu-miR-7647-3p	-6.789939	-2.7633986	Down	MIMAT0029797
mmu-miR-7650-3p	-2.1143909	-1.0802422	Down	MIMAT0029803
mmu-miR-7651-3p	-3.4080842	-1.768961	Down	MIMAT0029805
mmu-miR-7654-3p	-4.1190133	-2.0422988	Down	MIMAT0029815
mmu-miR-7655-3p	-2.0818892	-1.0578933	Down	MIMAT0029817
mmu-miR-7673-5p	-2.0400748	-1.0286222	Down	MIMAT0029852
mmu-miR-7675-5p	-69.36672	-6.116172	Down	MIMAT0029858
mmu-miR-7677-5p	-2.6419406	-1.401598	Down	MIMAT0029868
mmu-miR-7679-5p	-97.12244	-6.6017327	Down	MIMAT0029872

mmu-miR-7682-5p	-2.422225	-1.2763329	Down	MIMAT0029884
mmu-miR-7683-3p	-3.0966241	-1.6306963	Down	MIMAT0029887
mmu-miR-7685-3p	-2.0510356	-1.0363525	Down	MIMAT0029897
mmu-miR-7686-3p	-2.9544606	-1.5628948	Down	MIMAT0029899
mmu-miR-7687-5p	-2.6295214	-1.3948002	Down	MIMAT0029902
mmu-miR-8090	-2.0758584	-1.0537081	Down	MIMAT0031391
mmu-miR-8094	-7.8643236	-2.9753227	Down	MIMAT0031395
mmu-miR-8102	-2.3214116	-1.2150024	Down	MIMAT0031406
mmu-miR-8104	-4.873317	-2.284904	Down	MIMAT0031408
mmu-miR-8120	-3.5644405	-1.8336756	Down	MIMAT0031426
mmu-miR-873a-3p	-2.6131308	-1.3857794	Down	MIMAT0017279
mmu-miR-874-5p	-2.5339537	-1.3413901	Down	MIMAT0017268
mmu-miR-877-5p	-2.5273166	-1.3376064	Down	MIMAT0004861
mmu-miR-879-5p	-5.1172056	-2.3553562	Down	MIMAT0004842
mmu-miR-882	-6.038753	-2.5942507	Down	MIMAT0004847
mmu-miR-92b-3p	-3.9075084	-1.966249	Down	MIMAT0004899
mmu-miR-9768-5p	-14.234405	-3.8313103	Down	MIMAT0036459
mmu-miR-9769-5p	-58.55871	-5.871812	Down	MIMAT0036461
mmu-let-7i-5p	3.5580802	1.831099	Up	MIMAT0000122
mmu-miR-103-3p	3.7148664	1.8933103	Up	MIMAT0000546
mmu-miR-107-3p	3.058138	1.6126535	Up	MIMAT0000647
mmu-miR-129-1-3p	6.0310736	2.5924149	Up	MIMAT0016994
mmu-miR-129-2-3p	3.5623076	1.8328121	Up	MIMAT0000544
mmu-miR-148a-3p	3.506637	1.8100882	Up	MIMAT0000516
mmu-miR-151-5p	2.2182188	1.1494017	Up	MIMAT0004536
mmu-miR-17-5p	2.1033266	1.0726728	Up	MIMAT0000649
mmu-miR-183-5p	2.6491325	1.40552	Up	MIMAT0000212
mmu-miR-184-5p	4.455029	2.1554348	Up	MIMAT0022690
mmu-miR-1843b-3p	7.868294	2.9760509	Up	MIMAT0019346
mmu-miR-1903	3.3215878	1.731873	Up	MIMAT0007868
mmu-miR-196a-5p	2.8024356	1.4866812	Up	MIMAT0000518
mmu-miR-196b-5p	3.0540838	1.6107397	Up	MIMAT0001081
mmu-miR-19b-3p	3.950842	1.9821601	Up	MIMAT0000513
mmu-miR-200b-3p	2.0119588	1.0086008	Up	MIMAT0000233
mmu-miR-200b-5p	3.7833529	1.9196653	Up	MIMAT0004545

mmu-miR-200c-3p	2.0466306	1.0332507	Up	MIMAT0000657
mmu-miR-207	5.679587	2.505786	Up	MIMAT0000240
mmu-miR-25-3p	2.7371624	1.4526811	Up	MIMAT0000652
mmu-miR-27b-3p	7.455382	2.8982823	Up	MIMAT0000126
mmu-miR-297a-3p	9.791861	3.291583	Up	MIMAT0004864
mmu-miR-29a-3p	2.1419995	1.0989581	Up	MIMAT0000535
mmu-miR-29c-3p	3.1856477	1.6715868	Up	MIMAT0000536
mmu-miR-30b-5p	2.7770967	1.4735775	Up	MIMAT0000130
mmu-miR-30c-5p	3.0310571	1.5998211	Up	MIMAT0000514
mmu-miR-30e-5p	2.2089746	1.1433768	Up	MIMAT0000248
mmu-miR-3102-3p	5.1763644	2.3719392	Up	MIMAT0014936
mmu-miR-32-3p	6.9701486	2.8011894	Up	MIMAT0017050
mmu-miR-324-3p	7.415839	2.89061	Up	MIMAT0000556
mmu-miR-327	2.7334394	1.4507174	Up	MIMAT0004867
mmu-miR-3473a	2.2138178	1.1465366	Up	MIMAT0015645
mmu-miR-3473b	2.3975132	1.2615387	Up	MIMAT0020367
mmu-miR-3473f	2.3967638	1.2610878	Up	MIMAT0031390
mmu-miR-34a-5p	64.99891	6.0223436	Up	MIMAT0000542
mmu-miR-375-3p	2.3619373	1.2399707	Up	MIMAT0000739
mmu-miR-375-5p	3.2685041	1.7086306	Up	MIMAT0017078
mmu-miR-3968	11.308687	3.4993596	Up	MIMAT0019352
mmu-miR-3971	9.400703	3.2327688	Up	MIMAT0019356
mmu-miR-412-3p	11.249574	3.4917984	Up	MIMAT0001094
mmu-miR-423-3p	2.8276737	1.4996157	Up	MIMAT0003454
mmu-miR-466c-5p	2.8021073	1.4865122	Up	MIMAT0004877
mmu-miR-466f-3p	4.206918	2.0727637	Up	MIMAT0004882
mmu-miR-466f-5p	2.4612038	1.2993641	Up	MIMAT0004881
mmu-miR-466g	10.923072	3.4493067	Up	MIMAT0004883
mmu-miR-466h-3p	3.1526818	1.6565796	Up	MIMAT0017274
mmu-miR-466h-5p	10.704001	3.4200783	Up	MIMAT0004884
mmu-miR-466i-3p	21.431293	4.421647	Up	MIMAT0005834
mmu-miR-466m-3p	7.8134184	2.9659538	Up	MIMAT0014883
mmu-miR-466m-5p	7.480462	2.9031274	Up	MIMAT0014882
mmu-miR-466o-3p	2.9221532	1.5470319	Up	MIMAT0014886
mmu-miR-466q	4.392578	2.135068	Up	MIMAT0020631

mmu-miR-467c-5p	7.6509743	2.9356434	Up	MIMAT0004885
mmu-miR-467f	3.6714532	1.8763512	Up	MIMAT0005846
mmu-miR-468-3p	2.7232406	1.4453244	Up	MIMAT0002109
mmu-miR-484	9.558991	3.2568583	Up	MIMAT0003127
mmu-miR-486a-5p	2.856409	1.5142026	Up	MIMAT0003130
mmu-miR-494-3p	2.5087905	1.326992	Up	MIMAT0003182
mmu-miR-5116	4.0964055	2.0343585	Up	MIMAT0020624
mmu-miR-532-5p	5.779642	2.53098	Up	MIMAT0002889
mmu-miR-5627-3p	2.0870109	1.0614381	Up	MIMAT0022386
mmu-miR-574-3p	17.82714	4.1560035	Up	MIMAT0004894
mmu-miR-598-3p	3.2445407	1.6980143	Up	MIMAT0004942
mmu-miR-6238	4.763648	2.2520669	Up	MIMAT0024859
mmu-miR-6348	23.54734	4.5574923	Up	MIMAT0025091
mmu-miR-6413	2.4556417	1.2961001	Up	MIMAT0025166
mmu-miR-652-3p	6.3868356	2.6751013	Up	MIMAT0003711
mmu-miR-664-3p	8.974906	3.165897	Up	MIMAT0012774
mmu-miR-669b-5p	5.8616843	2.5513153	Up	MIMAT0003476
mmu-miR-669c-3p	27.845793	4.7993875	Up	MIMAT0017253
mmu-miR-669e-5p	8.484864	3.0848916	Up	MIMAT0005853
mmu-miR-669l-5p	10.7744875	3.4295473	Up	MIMAT0009418
mmu-miR-669n	2.1183476	1.0829394	Up	MIMAT0009427
mmu-miR-669o-5p	6.936872	2.7942853	Up	MIMAT0009421
mmu-miR-669p-3p	23.953716	4.5821776	Up	MIMAT0014890
mmu-miR-672-5p	16.568474	4.050369	Up	MIMAT0003735
mmu-miR-690	3.7596018	1.9105799	Up	MIMAT0003469
mmu-miR-6904-3p	6.159268	2.6227589	Up	MIMAT0027709
mmu-miR-6916-5p	2.825724	1.4986205	Up	MIMAT0027732
mmu-miR-6922-5p	2.3246305	1.2170014	Up	MIMAT0027744
mmu-miR-6923-5p	3.3562696	1.7468586	Up	MIMAT0027746
mmu-miR-6926-5p	2.316305	1.2118251	Up	MIMAT0027752
mmu-miR-6929-3p	2.8866947	1.5294185	Up	MIMAT0027759
mmu-miR-6931-3p	8.048944	3.0087996	Up	MIMAT0027763
mmu-miR-6943-5p	19.619633	4.294226	Up	MIMAT0027786
mmu-miR-6953-3p	7.535831	2.9137666	Up	MIMAT0027807
mmu-miR-6954-3p	8.861102	3.1474862	Up	MIMAT0027809

mmu-miR-6955-5p	2.9118464	1.5419343	Up	MIMAT0027810
mmu-miR-6966-5p	2.6149354	1.3867753	Up	MIMAT0027834
mmu-miR-6967-3p	8.012326	3.002221	Up	MIMAT0027837
mmu-miR-6968-3p	9.756148	3.2863116	Up	MIMAT0027839
mmu-miR-6976-3p	7.2418118	2.8563507	Up	MIMAT0027855
mmu-miR-6985-5p	3.6285806	1.8594053	Up	MIMAT0027872
mmu-miR-6986-5p	5.192321	2.3763795	Up	MIMAT0027874
mmu-miR-7002-3p	8.85309	3.146181	Up	MIMAT0027907
mmu-miR-7016-3p	7.0931034	2.826417	Up	MIMAT0027937
mmu-miR-7016-5p	2.0839312	1.0593076	Up	MIMAT0027936
mmu-miR-7023-3p	6.8053317	2.7666655	Up	MIMAT0027951
mmu-miR-7054-3p	2.066846	1.0474308	Up	MIMAT0028013
mmu-miR-7062-3p	9.061044	3.1796772	Up	MIMAT0028029
mmu-miR-7076-3p	4.3455515	2.1195393	Up	MIMAT0028059
mmu-miR-7082-3p	3.4100335	1.7697859	Up	MIMAT0028071
mmu-miR-712-3p	3.1286018	1.6455181	Up	MIMAT0003743
mmu-miR-714	2.1384172	1.0965433	Up	MIMAT0003505
mmu-miR-7214-3p	3.9225867	1.9718053	Up	MIMAT0028397
mmu-miR-7217-5p	5.4143267	2.436782	Up	MIMAT0028402
mmu-miR-7241-5p	2.216994	1.1486049	Up	MIMAT0028450
mmu-miR-7242-5p	7.147895	2.8375185	Up	MIMAT0028452
mmu-miR-7648-5p	2.1515496	1.105376	Up	MIMAT0029798
mmu-miR-7657-5p	2.748815	1.4588099	Up	MIMAT0029820
mmu-miR-7667-5p	9.41192	3.234489	Up	MIMAT0029840
mmu-miR-7674-5p	3.8283803	1.9367342	Up	MIMAT0029856
mmu-miR-7684-3p	4.764591	2.2523525	Up	MIMAT0029891
mmu-miR-8107	2.4783366	1.3093721	Up	MIMAT0031412
mmu-miR-8110	2.048022	1.0342312	Up	MIMAT0031416
mmu-miR-8113	2.1661897	1.1151595	Up	MIMAT0031419
mmu-miR-877-3p	5.2491217	2.392076	Up	MIMAT0004862
mmu-miR-92a-2-5p	3.8108413	1.9301095	Up	MIMAT0004635
mmu-miR-96-5p	3.4908857	1.8035932	Up	MIMAT0000541

miR, microRNA.