

OMTN, Volume 19

Supplemental Information

Kcnq1ot1/miR-381-3p/ETS2 Axis Regulates

Inflammation in Mouse Models of Acute

Respiratory Distress Syndrome

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Supplementary Table 1. The differential analysis results of allgenes

logFC	AveExpr	t	p. Value	adj.p.Val	B	
ETS2	1.552580906	7.679311155	14.0513358	3.84E-13	5.22E-09	19.63873215
CDK5RAP2	2.251367569	9.157797722	13.85036019	5.25E-13	5.22E-09	19.35967902
GRB10	2.676412417	8.210899219	13.48869855	9.28E-13	5.22E-09	18.84703325
CD177	3.894762431	11.29034042	13.46425107	9.64E-13	5.22E-09	18.81188505
GYG1	2.08718041	10.47582225	13.19433405	1.49E-12	6.45E-09	18.41958226
P2RY10	-1.369432045	5.778241085	-12.85788829	2.58E-12	9.31E-09	17.91949293
IRAK3	2.283897424	9.287247816	12.54237783	4.37E-12	1.35E-08	17.43903951
UPP1	1.251842917	13.18386306	12.14572019	8.58E-12	2.32E-08	16.81877606
ZDHHC20	1.893601573	6.979373071	11.8106408	1.54E-11	3.48E-08	16.2802938
BTBD11	-1.249885455	5.508767245	-11.78563274	1.61E-11	3.48E-08	16.23956117
MCEMP1	1.80846951	12.37926579	11.67186386	1.97E-11	3.87E-08	16.05329084
MAPK14	1.357129639	10.6680844	10.88942309	8.14E-11	1.47E-07	14.72828621
HLTF	2.497239851	7.162810981	10.72292997	1.11E-10	1.85E-07	14.43617587
MYBPH	-1.315421286	7.039624685	-10.50538689	1.68E-10	2.51E-07	14.04897141
EXOSC4	1.715363243	9.982438778	10.48699722	1.74E-10	2.51E-07	14.01594998
NLRC4	1.022665451	7.631234458	10.12363167	3.51E-10	4.47E-07	13.35408957
VNN1	2.344156465	9.098535753	9.993039545	4.53E-10	5.45E-07	13.11180998
SLC25A45	-1.047842806	7.673991622	-9.959747473	4.84E-10	5.51E-07	13.04966837
GADD45A	1.928097865	10.1988178	9.913055763	5.30E-10	5.74E-07	12.96225657
MTHFD2	1.191611014	7.84827399	9.824621486	6.32E-10	6.22E-07	12.79586707
NOV	-1.20153325	5.437281729	-9.754043035	7.28E-10	6.85E-07	12.66228988
AGFG1	1.640278139	9.350338198	9.581717728	1.03E-09	9.28E-07	12.33320718
PECR	1.049434944	7.447300132	9.483437568	1.26E-09	1.09E-06	12.14364805
MAP7	-1.558343962	5.991078214	-9.370332664	1.58E-09	1.32E-06	11.92379793
STOM	1.605393993	8.003100851	9.14836773	2.50E-09	2.00E-06	11.48703704
TDRD9	3.493719906	8.058648658	9.105257589	2.73E-09	2.11E-06	11.4013892
SMARCD3	1.022370653	8.845440295	9.087939867	2.83E-09	2.12E-06	11.36690839

PCMT1	1.030177986	10.06286801	9.034275719	3.17E-09	2.29E-06	11.2597848
LHX4	1.303179406	6.559325637	8.997506066	3.42E-09	2.39E-06	11.18614591
IL1R2	1.064284646	12.19333476	8.924208765	3.99E-09	2.62E-06	11.03877
CEBPA	1.21352408	8.635365238	8.912001827	4.10E-09	2.62E-06	11.01415053
GRINA	1.207995139	11.57778369	8.910104508	4.11E-09	2.62E-06	11.010322
PLEKHO1	-2.007154007	10.47307762	-8.845949944	4.71E-09	2.70E-06	10.88056008
HSH2D	-1.786235479	8.692095826	-8.830030482	4.87E-09	2.70E-06	10.84826831
CD44	1.102242986	7.795070049	8.779111719	5.42E-09	2.94E-06	10.74473558
TLR5	1.939188771	10.14244174	8.749919147	5.77E-09	3.05E-06	10.68520888
RP1-193H18.2	2.040529069	6.763274764	8.697257751	6.46E-09	3.08E-06	10.57751385
SRPK1	1.421093535	9.308777663	8.690598571	6.55E-09	3.08E-06	10.56386682
CYP1B1	2.347968035	7.156156208	8.616008163	7.68E-09	3.51E-06	10.41056415
IDNK	1.753171212	8.689818411	8.577557084	8.34E-09	3.69E-06	10.33122119
IL18R1	2.696613865	9.183402655	8.522913405	9.39E-09	4.07E-06	10.21809515
AK025288	1.355238108	10.40626991	8.456899439	1.08E-08	4.60E-06	10.08085032
SORT1	1.106631243	8.117531892	8.422121584	1.17E-08	4.86E-06	10.00829116
TPST2	1.277946927	10.82268172	8.40910711	1.20E-08	4.91E-06	9.981093017
FKBP5	2.124480649	8.012705793	8.372818973	1.30E-08	5.03E-06	9.905126519
TRPM2	1.848831934	7.752551764	8.361277571	1.33E-08	5.06E-06	9.880925299
MAP2K6	1.317446569	7.06605542	8.304071479	1.51E-08	5.64E-06	9.760683539
ARG1	2.770833434	6.763545186	8.261371035	1.66E-08	6.02E-06	9.670621081
RAB32	1.172583063	10.35276517	8.25899716	1.67E-08	6.02E-06	9.6656064
TIGD3	-2.301458009	9.096014506	-8.241330935	1.73E-08	6.11E-06	9.628261737
PKM	1.702982229	9.243544642	8.236870844	1.75E-08	6.11E-06	9.618826373
GAS7	1.115072351	9.065113116	8.212743501	1.84E-08	6.15E-06	9.567734648
RPGRIP1	-2.59097149	8.800049203	-8.194581999	1.92E-08	6.16E-06	9.529220324
HS3ST3B1	1.066197177	5.355882373	8.059842028	2.59E-08	7.78E-06	9.24198834
FUNDC1	-1.318114049	6.419590108	-8.031529523	2.75E-08	8.06E-06	9.181298671
MEF2C	-1.242135531	6.78695513	-7.981919455	3.08E-08	8.86E-06	9.074676747

METTL9	1.181020646	10.81363439	7.976982049	3.11E-08	8.86E-06	9.064045817
SNX3	1.397332583	9.526581667	7.923077306	3.51E-08	9.57E-06	8.947752404
CSF1R	-2.071697238	8.447566044	-7.920979265	3.52E-08	9.57E-06	8.943217642
MPEG1	-1.691594469	10.30212074	-7.914167106	3.58E-08	9.57E-06	8.92848929
ATP11B	1.263621955	7.972400964	7.844461486	4.18E-08	1.10E-05	8.777397024
CCDC146	-1.467166406	6.875479571	-7.837448852	4.25E-08	1.10E-05	8.76215792
LOC102723526	-1.397073719	8.628917144	-7.818336537	4.44E-08	1.12E-05	8.720589234
KCNE1	1.621025337	6.818895783	7.801303472	4.61E-08	1.12E-05	8.683498677
HP	2.204975601	9.934647786	7.795549698	4.67E-08	1.12E-05	8.670960077
RP11-44F14.8	-1.634831802	7.197646925	-7.793855466	4.69E-08	1.12E-05	8.667267109
CCDC153	-1.312611438	8.903412243	-7.771759386	4.93E-08	1.15E-05	8.619065962
CYSLTR1	-1.228330837	6.619906738	-7.758041103	5.08E-08	1.17E-05	8.589105254
SMA4	1.065295149	8.343198095	7.730242798	5.41E-08	1.22E-05	8.528311267
PNMA6A	-1.308113226	8.58399087	-7.716627379	5.58E-08	1.23E-05	8.498494503
LOC283588	-1.517599292	6.915786552	-7.706589089	5.71E-08	1.25E-05	8.47649444
CDKN2C	1.182059278	7.756680639	7.692043582	5.90E-08	1.25E-05	8.444590792
ASF1B	-1.497122757	7.876277813	-7.6170967	7.00E-08	1.40E-05	8.279727296
RPS6KA5	-1.300554861	7.004017194	-7.603247779	7.22E-08	1.42E-05	8.24917596
GALNT14	2.192178712	10.14068639	7.590803344	7.43E-08	1.43E-05	8.221699797
CASS4	-1.13683574	6.155957839	-7.589069089	7.46E-08	1.43E-05	8.217868981
HVCN1	-2.216065608	9.722262283	-7.584674482	7.54E-08	1.43E-05	8.208159774
NAIP	1.767800049	8.960480708	7.517849679	8.78E-08	1.62E-05	8.060184397
MS4A6A	1.076941493	9.273675476	7.473075058	9.73E-08	1.76E-05	7.960684417
FOXC1	1.505446003	7.272335283	7.462127681	9.98E-08	1.79E-05	7.936313875
GPX3	-1.978061222	6.239807604	-7.458575235	1.01E-07	1.79E-05	7.928401973
SORD	-1.385719743	7.447510583	-7.453879143	1.02E-07	1.79E-05	7.917940264
NHS	-1.624115111	6.361414458	-7.40769152	1.13E-07	1.96E-05	7.814881468
SAMSN1	1.368990135	6.720713002	7.376880713	1.21E-07	2.09E-05	7.745967525
SNRN25	-1.482259155	8.45265499	-7.363999467	1.25E-07	2.12E-05	7.717117123

ARRB1	-1.346908212	8.138001595	-7.353020715	1.28E-07	2.15E-05	7.692509581
CCR3	-2.060902965	7.886530045	-7.290906995	1.48E-07	2.41E-05	7.552974739
PLAC8	2.399659531	10.55786074	7.259480108	1.59E-07	2.53E-05	7.482173201
PAG1	1.550239372	9.880277852	7.257225006	1.60E-07	2.53E-05	7.477087464
TBC1D8	2.320674431	7.797067531	7.223607139	1.73E-07	2.68E-05	7.401189275
C9orf91	-1.347242469	5.472976748	-7.187395959	1.89E-07	2.82E-05	7.319263266
ROGDI	1.317740531	8.609126866	7.11487307	2.23E-07	3.23E-05	7.154647531
MAST4	1.37377666	6.766536997	7.074627041	2.46E-07	3.50E-05	7.062988624
OPLAH	1.922216316	8.221221582	7.062011408	2.53E-07	3.56E-05	7.034212163
ESYT1	-1.600891344	9.931339839	-7.049859216	2.60E-07	3.59E-05	7.006472664
CLEC4D	1.817982434	10.11944442	7.026977663	2.75E-07	3.69E-05	6.95418796
OLAH	2.669610814	6.233351442	6.99688036	2.95E-07	3.87E-05	6.885308966
PPCDC	-1.370550972	9.974888924	-6.993165205	2.97E-07	3.87E-05	6.876798328
BCAT1	1.877652031	6.579976217	6.991148556	2.99E-07	3.87E-05	6.872177845
TSPAN13	-1.904569099	4.761768756	-6.976196078	3.10E-07	3.99E-05	6.837902393
MSMO1	1.473571417	8.478056188	6.937400044	3.39E-07	4.27E-05	6.748832891
BATF	1.72022774	9.405143807	6.91213347	3.60E-07	4.48E-05	6.690718488
GPR162	-2.015172653	8.856331118	-6.902362924	3.69E-07	4.56E-05	6.668223332
IDO1	-1.983738747	6.269685113	-6.894937079	3.75E-07	4.62E-05	6.651118146
METTL7B	3.384873816	5.302268283	6.883406022	3.86E-07	4.66E-05	6.624542495
ACBD6	1.544005962	8.616567845	6.810131069	4.59E-07	5.45E-05	6.455262811
ALPL	1.007957865	6.90025829	6.808462587	4.61E-07	5.45E-05	6.451400227
SULT1B1	1.477694997	8.454677432	6.802325159	4.68E-07	5.47E-05	6.437188829
RSBN1	1.085503674	8.182393458	6.757418471	5.20E-07	5.89E-05	6.333059565
PPIH	-1.144883052	7.540876394	-6.753992327	5.25E-07	5.89E-05	6.325104507
MAP3K14	-1.008328649	8.322623568	-6.724255468	5.63E-07	6.17E-05	6.255996967
ST3GAL4-AS1	1.507874767	10.0592043	6.71365009	5.78E-07	6.26E-05	6.23132339
AKT1	-1.188995747	7.175962512	-6.576642438	8.03E-07	8.20E-05	5.911313138
CARD6	1.219712507	11.23037446	6.559105774	8.38E-07	8.48E-05	5.870185937

FGL2	-1.228134979	10.81413755	-6.544823334	8.67E-07	8.69E-05	5.836663033
GPR84	2.831090476	7.27388796	6.53712103	8.83E-07	8.81E-05	5.818574411
SEL1L3	1.313216573	5.959041495	6.529361867	9.00E-07	8.91E-05	5.800345028
SLC37A3	1.486231266	7.340052793	6.52882512	9.01E-07	8.91E-05	5.799083728
LOC154761	1.619126958	6.652815368	6.517338202	9.26E-07	9.09E-05	5.772082329
ANXA3	1.230549087	11.59874066	6.500596702	9.65E-07	9.23E-05	5.732701088
EMILIN2	1.070315566	8.199351148	6.499181116	9.68E-07	9.23E-05	5.729369653
RP11-6I2.3	1.728935861	7.83577692	6.491871672	9.85E-07	9.36E-05	5.71216383
MTRR	1.016453476	5.064315578	6.465808775	1.05E-06	9.83E-05	5.650762277
CHI3L1	-1.311494132	9.088324889	-6.465397878	1.05E-06	9.83E-05	5.649793602
ANKRD22	2.058144733	8.615873168	6.454062509	1.08E-06	0.00010035	5.623062999
ZAK	1.06538609	7.181386347	6.387277728	1.27E-06	0.000115146	5.465268534
BMX	1.351154601	8.406755918	6.371596279	1.32E-06	0.000117554	5.428142536
FLVCR1	-1.028950698	5.060523707	-6.340894952	1.42E-06	0.000123556	5.355375268
TP53INP2	-1.247576045	8.604134259	-6.325299988	1.48E-06	0.000125887	5.318371536
GRAMD1C	-1.105875646	5.723608674	-6.309701047	1.53E-06	0.000129242	5.281330889
KISS1R	-1.396315458	8.382824392	-6.283883839	1.63E-06	0.000134484	5.219966344
F5	1.284286451	9.716898674	6.279413697	1.65E-06	0.000134484	5.209333775
C19orf60	-1.180430465	10.4375029	-6.279320378	1.65E-06	0.000134484	5.209111784
GPR114	-1.169627434	6.228813575	-6.254235657	1.76E-06	0.000139474	5.149404531
ECHDC3	1.843985927	8.683360609	6.251405849	1.77E-06	0.000139474	5.142664594
TGM3	-1.826926823	7.436237207	-6.250808077	1.77E-06	0.000139474	5.141240727
PIWIL4	1.869455851	7.084017714	6.228944888	1.87E-06	0.000145553	5.089136697
BRI3BP	-1.01325038	6.260437994	-6.216112293	1.93E-06	0.000148597	5.058529939
ZDHHC19	2.093641646	7.742834528	6.199552765	2.01E-06	0.000153769	5.019007755
LHX4-AS1	1.624543601	7.82032171	6.184027501	2.09E-06	0.000157398	4.98192717
LGALS12	-2.030165884	9.044259103	-6.162365804	2.20E-06	0.000163152	4.930147194
LOXL1	1.230336438	6.783268885	6.160118437	2.21E-06	0.000163356	4.924772242
AIM2	1.983964333	9.708431906	6.12927506	2.39E-06	0.000172454	4.850951271

EFEMP2	1.110838042	8.116915323	6.105568259	2.53E-06	0.000178439	4.794143318
HIST1H2AE	1.398575448	8.537724575	6.065181442	2.79E-06	0.000193006	4.697231753
PLP2	1.41059983	9.696493109	6.061482318	2.82E-06	0.00019383	4.688347054
MEF2A	1.21882683	7.17551005	6.056180987	2.86E-06	0.000194561	4.675611693
LOC93622	-1.091139823	7.079885036	-6.03156597	3.04E-06	0.000202295	4.616441981
KLHL2	1.697774885	7.460725554	6.028133814	3.06E-06	0.000203391	4.608186914
BACE2	-1.825987712	6.377760682	-6.024032409	3.09E-06	0.000204834	4.598320618
TOMM40L	1.67117466	10.09341032	6.014178911	3.17E-06	0.000209241	4.574610296
PPM1N	1.011979358	7.49299972	5.958008838	3.64E-06	0.00022966	4.439266607
UBE2F	1.093580524	9.643630266	5.953287122	3.68E-06	0.00022966	4.427875497
C16orf93	-1.146427649	7.571527852	-5.926746074	3.94E-06	0.000240722	4.363805672
CSGALNACT2	1.123005444	5.907496326	5.908884094	4.11E-06	0.000246066	4.320649415
SPNS3	-1.946297472	8.393171653	-5.905982271	4.14E-06	0.000247057	4.3136355
TOPORS	-1.199651036	6.505383878	-5.905045257	4.15E-06	0.000247057	4.311370502
GCH1	2.075280844	8.263894905	5.881404321	4.40E-06	0.000258443	4.254197362
GALNT6	-1.413983108	6.760282547	-5.857865023	4.67E-06	0.000268198	4.197218802
ITIH4	1.100833608	7.312845432	5.812389214	5.23E-06	0.000289578	4.086999303
ZNF274	-1.037132535	9.378614299	-5.808382982	5.28E-06	0.000290993	4.077280581
FAM174A	-1.139654505	6.657216621	-5.803601354	5.34E-06	0.000292249	4.065678977
PFKFB3	1.245679729	11.98113828	5.788065908	5.56E-06	0.000299764	4.027971692
LOC441081	1.382844059	8.025764019	5.775527897	5.73E-06	0.000304961	3.997524408
SPINT1	-1.167104135	7.687308512	-5.767444516	5.85E-06	0.000308143	3.97788755
SLC26A11	2.239407087	7.726082599	5.757289747	6.00E-06	0.00031376	3.953210762
DPEP3	-1.061999344	11.78444076	-5.747511699	6.15E-06	0.000319056	3.929441142
VWA5A	1.35482249	5.46431388	5.731198339	6.40E-06	0.000327754	3.889766772
RTN1	-1.138893611	5.66202417	-5.710716014	6.74E-06	0.000341733	3.83992198
EVL	-1.24434574	8.491266582	-5.699845304	6.92E-06	0.000346281	3.813453502
SGSH	1.109333944	7.505057031	5.694055924	7.03E-06	0.000348115	3.799353331
CLU	1.553201993	7.350488785	5.665931131	7.54E-06	0.000371795	3.730816251

FOLR3	1.035829319	11.47910462	5.647919697	7.88E-06	0.000383703	3.686891264
ZNF211	-1.240630219	7.617223203	-5.63626108	8.12E-06	0.000393309	3.658445522
DDAH2	1.252458142	9.788914776	5.615936169	8.54E-06	0.000405698	3.608829864
RSPH9	1.646046819	8.047138222	5.601735926	8.85E-06	0.000415848	3.574146603
FAIM3	-1.205723865	8.281670366	-5.592552031	9.06E-06	0.000423703	3.551707397
TP53I3	1.824708486	9.011167253	5.57244898	9.53E-06	0.000439525	3.502567324
IL5RA	-1.187920837	6.457765512	-5.569144388	9.61E-06	0.000439525	3.494486706
ACER3	1.258536979	6.602938458	5.522909738	1.08E-05	0.000478485	3.381348171
ZBTB42	-1.139593743	6.390568785	-5.516872472	1.10E-05	0.000483104	3.366563533
LOC100507006	-1.152671486	10.50229777	-5.492637141	1.16E-05	0.000505416	3.307188476
PNP	1.153432368	5.669717965	5.48937766	1.17E-05	0.00050783	3.299199902
JPX	-1.093480342	5.607526444	-5.48753158	1.18E-05	0.00050783	3.29467508
PAQR7	-1.306004465	7.298812503	-5.484502813	1.19E-05	0.000510256	3.287250941
SRGAP2C	-1.018428167	9.099048757	-5.465031868	1.25E-05	0.000530059	3.239509039
ZSCAN18	-1.075014712	6.373737922	-5.443055052	1.32E-05	0.000551092	3.185593067
FBXO34	1.043333677	9.042678648	5.422081002	1.39E-05	0.000571509	3.134108432
PSTPIP2	1.159495222	9.542421639	5.415923744	1.41E-05	0.00057837	3.11898909
MCCC1	-1.105795861	5.432476677	-5.388179348	1.52E-05	0.00060881	3.050833057
CYB561	-1.033959601	7.539790589	-5.375970665	1.56E-05	0.000620959	3.020826945
DOK2	-1.232142174	9.19801999	-5.370950552	1.58E-05	0.000626583	3.008486128
MYO10	1.178339785	5.565618632	5.347889403	1.68E-05	0.000651083	2.951776772
HPGD	2.104699361	5.860994003	5.314433016	1.83E-05	0.000699779	2.869451552
SLC51A	2.660664413	8.051533356	5.313118468	1.83E-05	0.00070087	2.866215633
SLC47A1	-1.235515602	5.149676815	-5.306092312	1.86E-05	0.000709678	2.848918328
LOC101928893	-1.060655524	5.270087543	-5.277672497	2.00E-05	0.000749435	2.778926757
ZNF329	-1.922226243	7.677020569	-5.261865356	2.09E-05	0.000770725	2.739979519
PIK3R6	-1.395859146	7.537987837	-5.237810752	2.22E-05	0.000802718	2.680687813
CAMK1	-1.051424535	6.658799979	-5.219287846	2.32E-05	0.000834221	2.635012383
NDC80	-1.077050936	7.15880186	-5.207558859	2.39E-05	0.000849653	2.606081869

CD81	-1.511317792	9.603165063	-5.198741111	2.45E-05	0.000863018	2.584328119
CST7	1.338966875	12.50804474	5.197102417	2.46E-05	0.00086399	2.580285014
MT1F	1.338595378	9.702668557	5.183395753	2.54E-05	0.000887935	2.546462388
SLC26A8	1.70222651	8.801768526	5.16060872	2.70E-05	0.000922367	2.490215457
BC045789	1.604687953	5.452536357	5.151985934	2.76E-05	0.000938153	2.46892566
ARMC12	1.24661459	4.72723441	5.150825375	2.76E-05	0.000938153	2.466059996
GPR183	-1.759223101	6.801312894	-5.132162129	2.90E-05	0.000964046	2.41996929
MAP1LC3A	-1.093740917	8.355369771	-5.082088518	3.29E-05	0.001057507	2.296244226
SGK1	-1.395673753	10.96983341	-5.024393387	3.81E-05	0.001179192	2.15358528
SDC2	-1.207009181	6.46237724	-5.018301345	3.87E-05	0.001192508	2.138516219
LINC00672	1.016115872	9.502773821	4.987153994	4.19E-05	0.001270061	2.061456097
NQO2	1.083533563	10.41395315	4.985065617	4.21E-05	0.001273054	2.056288486
LIPT1	-1.035819578	5.214528286	-4.963793698	4.45E-05	0.001321202	2.003646238
TMEM119	1.423484542	7.97212649	4.943998665	4.68E-05	0.00137633	1.954650165
PMAIP1	-1.517308885	7.691259491	-4.933680364	4.80E-05	0.00140181	1.929107557
PDGFC	1.232829354	4.572118861	4.918958196	4.99E-05	0.001443495	1.892659987
C5orf30	1.126603278	6.910125507	4.917265252	5.01E-05	0.001447004	1.888468538
CFD	-1.956554063	10.66385055	-4.916958479	5.01E-05	0.001447004	1.887709014
HBD	3.274106476	9.053062495	4.884223027	5.45E-05	0.001528555	1.806652605
AOC3	-1.263664333	7.159220566	-4.87356712	5.60E-05	0.001552444	1.780264271
FCGR1A	1.176945844	10.57721878	4.866041179	5.71E-05	0.001568168	1.761626178
ST6GALNAC3	1.04163649	5.008631302	4.833379865	6.20E-05	0.001666372	1.680733349
SPTSSA	1.266792052	5.019428901	4.831111922	6.24E-05	0.001669828	1.675115959
HLA-DRA	-2.11830424	7.684697418	-4.830557984	6.25E-05	0.001670125	1.673743921
P2RY2	-1.615018733	7.039552682	-4.815328734	6.49E-05	0.001723544	1.636022152
NUP50-AS1	-1.288552472	9.710421608	-4.799031184	6.77E-05	0.001781467	1.595652895
LINC00877	-1.548724274	8.823252234	-4.79076795	6.91E-05	0.001810265	1.575184357
DSC2	1.23042076	8.106242696	4.774335132	7.21E-05	0.00186343	1.534478776
RP11-334C17.5	1.957320536	9.45673276	4.764820654	7.39E-05	0.001897926	1.510910426

C11orf96	1.41893891	6.42994133	4.759980797	7.48E-05	0.001910196	1.498921601
ALOX15	-1.404111747	6.991797446	-4.71415946	8.41E-05	0.00206016	1.385420329
SLC2A1	1.002094326	5.879970448	4.71162586	8.46E-05	0.002066235	1.379144783
HLA-DPA1	-1.35108949	7.263835873	-4.697257296	8.78E-05	0.00211722	1.343555728
FAM20A	1.48413549	4.963360269	4.694394447	8.84E-05	0.002130387	1.336465018
ARFIP1	-1.254293844	8.433977161	-4.689627176	8.95E-05	0.002144562	1.324657593
PRSS33	-2.722694476	11.70526342	-4.666758202	9.49E-05	0.002221275	1.268019596
CAPG	1.055752639	9.481783618	4.663623142	9.57E-05	0.00222779	1.260255667
MCTP1	1.121572816	6.899682498	4.658920723	9.68E-05	0.002249876	1.24861043
HLA-DPB1	-1.28511476	7.266352196	-4.633344968	0.00010337	0.002348029	1.185279082
SLC16A14	-1.169246181	4.831411823	-4.633224064	0.000103402	0.002348029	1.184979722
ZNF266	-1.234895271	8.956354708	-4.605277537	0.000111055	0.00248955	1.115790037
RAB13	1.562075181	8.014987844	4.584606471	0.000117079	0.002568736	1.064622605
MIAT	1.631144653	8.944995295	4.578433786	0.00011894	0.00259642	1.049345056
EBLN2	1.172363915	7.746163893	4.560152599	0.000124628	0.002693431	1.004103957
MLK7-AS1	1.099464531	5.09078696	4.557468756	0.000125486	0.00270387	0.997462854
ERCC1	-1.538162385	8.316919918	-4.524003908	0.000136688	0.002904782	0.914671389
BTN3A1	-1.006822938	9.617281299	-4.521995314	0.000137391	0.002914009	0.909703188
FLVCR1-AS1	-1.513876479	8.170009333	-4.520039689	0.000138079	0.002918577	0.904866126
HLA-DMB	-1.705614497	10.05440596	-4.508859331	0.000142081	0.002966977	0.877214812
HPSE	1.278520403	8.472580944	4.49788377	0.000146121	0.003019328	0.850073928
TRIM22	1.175861373	8.114354815	4.494535581	0.000147377	0.003036575	0.841795171
RPH3A	2.248691208	6.088125986	4.475787692	0.000154607	0.003152565	0.795446237
FBXO6	1.25680741	9.135033917	4.442741	0.000168226	0.003354791	0.713779544
GAFA1	1.215593951	4.518427858	4.440779559	0.000169071	0.003362016	0.708933699
LOC101060510	1.06679116	9.594804368	4.436109184	0.0001711	0.003386814	0.697395938
ITGA7	1.412096014	5.9027015	4.431626237	0.000173071	0.00341708	0.686322068
RP11-499E18.1	1.377474316	5.215093696	4.430360634	0.000173631	0.003421273	0.683195904
RP11-426C22.5	-1.039489337	8.31254147	-4.407914404	0.000183876	0.003555204	0.627763245

LOC100505564	-1.384649826	6.421985167	-4.378063505	0.00019844	0.003741436	0.554080573
CKS2	-1.422255208	7.200648476	-4.360807408	0.000207377	0.003871344	0.51150666
MS4A4A	1.080010257	4.812928299	4.35195933	0.000212115	0.003916948	0.489682927
OR52K3P	-1.048932559	9.408156634	-4.351854052	0.000212172	0.003916948	0.489423285
CD52	-1.507658906	10.08510013	-4.340835012	0.000218224	0.00400139	0.462250907
LCN2	1.843292931	11.16884097	4.316872537	0.000231986	0.004196866	0.403184417
CYSLTR2	-1.384067406	5.162432953	-4.299411346	0.000242555	0.004348112	0.360164719
FBP1	-1.000170714	8.274851832	-4.258067272	0.000269529	0.004710771	0.25838098
MAP4K1	-1.203078396	8.043383747	-4.255500447	0.000271299	0.004737879	0.252065535
SPAG1	-1.028546184	6.01089795	-4.243687903	0.000279593	0.004839425	0.223007699
SLC25A38	-1.144666144	6.254829183	-4.233934077	0.000286632	0.00493796	0.19902155
ALAS2	1.147026674	5.408848378	4.220513302	0.000296606	0.005070425	0.166029063
CXCL8	-1.790656979	9.926020014	-4.220128522	0.000296897	0.005070425	0.165083347
RP11-36B6.1	1.729248276	6.631389381	4.201372591	0.00031143	0.005227915	0.118998404
RARRES3	-1.282646309	10.54835238	-4.196750511	0.000315118	0.005261285	0.107645689
MAOA	2.428365368	5.810126962	4.184754185	0.000324896	0.005380399	0.078188223
ACSF2	-1.011182568	8.006849841	-4.160192883	0.000345863	0.005631328	0.017913125
TPST1	1.184101806	9.188023417	4.127787915	0.000375594	0.005967344	-0.061533054
PTGS2	-1.184635844	6.0010037	-4.094392152	0.000408887	0.006370102	-0.14331031
MMP8	1.200728858	4.711628842	4.087695864	0.000415906	0.006446994	-0.159695209
POMZP3	-1.329635738	6.964538124	-4.080401953	0.000423688	0.006544201	-0.17753752
GDPD5	-1.483309264	7.301160063	-4.053161006	0.000454049	0.006871017	-0.24412794
CLEC1B	1.462527267	8.257723161	4.05122114	0.000456291	0.006880908	-0.2488671
RGL4	1.10344716	9.041920826	4.040507334	0.000468875	0.007031548	-0.275034355
LAMP3	-1.172022241	5.391794655	-3.999224176	0.000520657	0.007592476	-0.375750432
CD69	-1.40815683	5.378339609	-3.996866195	0.00052378	0.007612383	-0.381497464
ACRC	1.065677302	7.914979429	3.994612998	0.000526781	0.007625297	-0.38698853
GSAP	1.025572813	6.085051458	3.975344252	0.000553152	0.007901384	-0.433923285
DMTN	1.215397656	7.698727477	3.968818876	0.000562375	0.007991963	-0.449808143

DPY19L3	1.165107052	7.396269769	3.957261514	0.000579084	0.008169424	-0.477930275
IL18RAP	1.812051354	9.076649389	3.954198247	0.000583595	0.008206324	-0.485381377
AHSP	3.292171868	7.098034615	3.94058322	0.000604065	0.008416923	-0.518485034
BTN3A2	-1.30170241	8.787640302	-3.921359489	0.000634182	0.008725036	-0.565187285
ANKRD55	1.643664906	8.330241602	3.89973876	0.000669827	0.009071356	-0.617657587
MXRA7	1.010139038	6.410520106	3.892823579	0.000681639	0.009166754	-0.634427076
TRBC1	-1.861846559	8.450135054	-3.878235946	0.000707236	0.009453826	-0.669781968
ZNF600	-1.392663714	6.321688268	-3.876962402	0.000709515	0.009472598	-0.672867223
SELENBP1	1.594465189	7.665715412	3.872463536	0.000717625	0.009504686	-0.683764326
NTSR1	1.039489998	6.291613008	3.871051082	0.000720189	0.009532787	-0.687184996
LOC100506922	-1.471170934	7.738120356	-3.859332478	0.00074182	0.009753561	-0.71555466
PPFIBP2	-1.017365769	7.742378803	-3.857095412	0.000746022	0.009790968	-0.720968272
TRMT6	1.047580271	6.196495354	3.844052617	0.000770988	0.01001545	-0.752517619
AKR1C3	1.323293274	5.793567137	3.795782205	0.000870756	0.010924809	-0.869069984
EPB42	2.261607512	6.342388918	3.795287079	0.000871842	0.010932107	-0.870263747
RASGRP1	-1.209546208	6.933565767	-3.738638138	0.001005372	0.01210191	-1.006599354
ASGR2	1.174006049	8.107733198	3.719460956	0.001054978	0.012559406	-1.052638285
LOC101929002	-1.206346389	5.89989934	-3.71496513	0.001066951	0.012640162	-1.06342283
SLC4A1	1.163874045	5.976672342	3.658033875	0.001230603	0.013974147	-1.199695324
LOC100506047	-1.068736411	7.270379937	-3.652606464	0.001247432	0.01409872	-1.212657365
ITGB3BP	1.229293514	6.893481764	3.582170772	0.001487394	0.016080635	-1.380390645
HBM	1.117417969	7.19559696	3.575205614	0.001513443	0.016300413	-1.396926744
AP3B2	1.142434788	5.419938116	3.56333597	0.001558867	0.016637394	-1.425085025
IFIT3	-1.310691531	11.06038052	-3.562175082	0.001563381	0.016669134	-1.427837517
OLFM4	1.696751552	6.771425314	3.513214446	0.001765812	0.018182914	-1.543679508
NGFRAP1	1.24650325	6.994994705	3.501059747	0.001819904	0.018575096	-1.572362039
COQ3	1.064221806	6.449447483	3.443587159	0.002098341	0.02050522	-1.707559757
MADCAM1	-1.102301356	6.960196706	-3.442563249	0.002103659	0.020547923	-1.709961865
GJB6	1.188508559	8.562202394	3.417624396	0.002237335	0.021485359	-1.768396199

CCNA1	1.161441372	4.84647178	3.404045473	0.002313557	0.022022015	-1.800153645
SEMG1	-1.397481226	7.840475793	-3.384630808	0.002426939	0.022840224	-1.84548518
IFIT2	-1.064038573	10.13739285	-3.383703588	0.002432487	0.022882492	-1.84764795
LSM7	-1.480447514	10.07027932	-3.36743167	0.002531877	0.023513276	-1.885569566
C19orf33	1.394014814	7.674240678	3.366339628	0.002538687	0.023541541	-1.888112304
DTX4	-1.015321052	8.180553016	-3.336907634	0.002729062	0.024872824	-1.956533861
HLA-DMA	-1.090090604	8.316509896	-3.335046317	0.002741556	0.024944703	-1.960853811
KLRB1	-1.504819941	6.870379894	-3.332966509	0.002755583	0.025016398	-1.965679844
GNLY	-1.826884135	8.210322325	-3.273915407	0.003184159	0.027794675	-2.102248633
MAFB	1.323873903	10.31065789	3.264947397	0.003254648	0.028200051	-2.122910615
CLC	-1.018965872	12.95097266	-3.263016236	0.003270024	0.028269296	-2.127357173
CD3D	-1.372322604	8.564181344	-3.233619523	0.003512926	0.029646301	-2.194921407
PTPRCAP	-1.012169837	8.041890443	-3.231142138	0.003534175	0.029779203	-2.200604709
CLEC5A	1.01443976	6.973002493	3.209473993	0.003725392	0.030989382	-2.250241499
LTF	1.569519017	9.608054714	3.206828531	0.003749411	0.031107737	-2.256292791
TNNT1	-1.06966026	7.10313987	-3.206282884	0.003754383	0.031107737	-2.257540674
BTN3A3	-1.332756576	7.11950608	-3.205496471	0.003761561	0.031125951	-2.25933904
DAAM2	1.150456521	6.273455493	3.204829617	0.003767658	0.031164494	-2.260863862
BTNL8	-1.297375153	9.560114545	-3.14429466	0.004362665	0.034466805	-2.398758142
FGF13	1.739393726	7.510869561	3.142485136	0.004381776	0.03457994	-2.402863841
ORM1	1.283947896	10.797807	3.139677882	0.004411583	0.03474899	-2.409231427
C3AR1	1.078753858	11.34100564	3.131197542	0.004502817	0.035263116	-2.428452936
LINC00189	-1.302669684	7.460767408	-3.129941827	0.00451648	0.035282963	-2.431297328
NR4A2	-1.026357479	7.73112175	-3.114075446	0.004692584	0.036331035	-2.467196664
CCL23	-1.649769684	7.401182273	-3.057715835	0.005373022	0.039983777	-2.594096803
RP1-93H18.6	-1.021356556	9.546662222	-3.055602591	0.005400293	0.040062493	-2.598835823
DEFA4	1.560575552	10.56054672	2.972401366	0.006585831	0.046034915	-2.784271559
IFIT1	-1.524558601	8.914272911	-2.961278524	0.006762022	0.04691816	-2.808887966
PPBP	1.653019349	10.46043729	2.948178785	0.006975297	0.047977982	-2.837825471

FLJ12120	-1.05853354	5.942161004	-2.938400029	0.00713867	0.048750521	-2.859388431
HDC	-1.378936955	7.725439547	-2.924718939	0.007373371	0.049726049	-2.889500679
ETV7	-1.236050486	7.753844427	-2.923060609	0.007402314	0.049870076	-2.893146242
CD2	-1.24208624	6.604701873	-2.898650411	0.007841071	0.051644291	-2.946695775
FGFBP2	-1.467401503	6.340752648	-2.838227909	0.009035946	0.056997789	-3.07832272
DQ592442	-1.087127031	6.451895974	-2.829631584	0.009219369	0.057710171	-3.096939841
CRISP3	1.386476819	8.219015934	2.81141175	0.009619862	0.059451517	-3.136306561
RNASE6	-1.094632476	9.546624158	-2.785794455	0.010210897	0.06170237	-3.191442209
TUBB2A	1.38247584	6.635831438	2.740703408	0.011335449	0.066432786	-3.287868987
CD24	1.036440135	8.525270484	2.705335655	0.012298187	0.070337955	-3.362933448
ALOX12	1.050934917	5.380955028	2.629260131	0.014635571	0.079461912	-3.52263768
TGFBI	-1.027140271	8.129899538	-2.585212879	0.016172871	0.085420372	-3.613968784
GZMB	-1.90247326	7.826150783	-2.533129396	0.018184797	0.092056326	-3.720845644
CEACAM6	1.153722569	6.634867108	2.517779421	0.018820774	0.093973682	-3.752107661
VSIG4	1.194810444	5.672745236	2.479085142	0.020516746	0.099344536	-3.8304242
SERPING1	-1.33748584	8.712587028	-2.420436214	0.023358771	0.108408527	-3.947762176
MPO	1.103564889	7.080447497	2.381754573	0.025427419	0.114535497	-4.024225359
PF4	1.257779316	9.542825036	2.353238344	0.027058853	0.119337627	-4.080110614
GZMA	-1.144321337	6.246992356	-2.32993047	0.028463005	0.122904562	-4.125478328
HERC5	-1.002460615	7.794289314	-2.262705484	0.032894233	0.135913873	-4.25472834
FAM3B	-1.69053221	7.801418053	-2.11070991	0.045305966	0.168284854	-4.537789986

Supplementary Table 2. The predicted results from DIANA and TargetScan databases

miRNA	PositionintheUTR	seedmatch	context++score	context++scorepercent	weightedcontext+	conservedbranchle	Pct
				ile	+score	ngth	
Conservedsites							
mmu-miR-203-3p.1	423-429	7mer-m8	-0.02	64	-0.02	6.114	0.31
mmu-miR-203-3p.2	423-429	7mer-1A	-0.02	50	-0.02	6.114	0.23
mmu-miR-539-3p	504-510	7mer-1A	-0.11	90	-0.11	4.238	N/A
mmu-miR-381-3p	504-510	7mer-1A	-0.07	85	-0.07	4.238	N/A
mmu-miR-1928	1045-1052	8mer	-0.36	96	-0.07	6.686	0.68
mmu-miR-222-3p	1045-1052	8mer	-0.36	96	-0.07	6.686	0.68
mmu-miR-221-3p	1045-1052	8mer	-0.36	96	-0.07	6.686	0.68
mmu-miR-22-3p	1050-1056	7mer-1A	-0.17	81	-0.03	7.973	0.54
mmu-miR-455-3p.2	1062-1068	7mer-1A	-0.11	79	-0.02	6.174	0.38
mmu-miR-682	1062-1068	7mer-1A	-0.09	76	-0.02	6.174	0.38
mmu-miR-199a-5p	1077-1083	7mer-1A	-0.28	93	-0.05	7.354	0.79
mmu-miR-199b-5p	1077-1083	7mer-1A	-0.28	93	-0.05	7.354	0.79
mmu-miR-145b	1078-1084	7mer-1A	-0.16	89	-0.03	7.18	0.95
mmu-miR-145a-5p	1078-1084	7mer-1A	-0.16	89	-0.03	7.18	0.95
mmu-miR-320-3p	1108-1114	7mer-1A	-0.06	73	-0.01	4.665	N/A
Poorlyconservedsites							
mmu-miR-6361	17-24	8mer	-0.19	83	-0.19	0.716	<0.1
mmu-miR-6369	17-24	8mer	-0.19	83	-0.19	0.716	<0.1
mmu-miR-6410	17-24	8mer	-0.19	82	-0.19	0.716	<0.1
mmu-miR-6413	17-24	8mer	-0.18	80	-0.18	0.716	<0.1
mmu-miR-24-3p	17-24	8mer	-0.18	80	-0.18	0.716	<0.1
mmu-miR-5124b	17-24	8mer	-0.18	80	-0.18	0.716	<0.1
mmu-miR-3106-5p	18-24	7mer-1A	-0.06	68	-0.06	0	N/A
mmu-miR-149-5p	19-25	7mer-m8	-0.14	82	-0.14	0.591	N/A
mmu-miR-7087-3p	20-26	7mer-m8	-0.09	55	-0.09	0	N/A

mmu-miR-7679-5p	21-27	7mer-m8	-0.2	83	-0.2	0	N/A
mmu-miR-7648-3p	22-28	7mer-m8	-0.09	53	-0.09	0	N/A
mmu-miR-6940-5p	22-28	7mer-m8	-0.09	52	-0.09	0	N/A
mmu-miR-762	22-28	7mer-m8	-0.04	48	-0.04	0	N/A
mmu-miR-7048-5p	23-29	7mer-m8	-0.06	35	-0.06	0	N/A
mmu-miR-185-3p	23-29	7mer-m8	-0.04	25	-0.04	0	N/A
mmu-miR-7083-5p	24-30	7mer-m8	-0.16	57	-0.16	0.113	N/A
mmu-miR-673-3p	25-31	7mer-m8	-0.27	81	-0.27	0	N/A
mmu-miR-7648-3p	27-38	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-7648-3p	27-38	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-5621-3p	30-36	7mer-1A	-0.14	68	-0.14	0	N/A
mmu-miR-296-5p	30-36	7mer-1A	-0.1	57	-0.1	0	N/A
mmu-miR-6379	34-40	7mer-1A	-0.07	56	-0.07	0	N/A
mmu-miR-455-3p.1	38-44	7mer-1A	-0.09	73	-0.09	1.304	0.21
mmu-miR-7214-3p	38-44	7mer-m8	-0.09	66	-0.09	0	N/A
mmu-miR-201-5p	40-46	7mer-m8	-0.04	60	-0.04	0.113	N/A
mmu-miR-7687-3p	41-47	7mer-m8	-0.1	77	-0.1	0.41	N/A
mmu-miR-188-3p	45-51	7mer-1A	-0.16	76	-0.16	0.468	N/A
mmu-miR-1933-3p	56-62	7mer-1A	-0.03	45	-0.03	0	N/A
mmu-miR-6949-5p	63-69	7mer-m8	-0.09	67	-0.09	0	N/A
mmu-miR-7088-5p	64-70	7mer-m8	-0.02	65	-0.02	0	N/A
mmu-miR-3105-5p	67-73	7mer-m8	-0.13	75	-0.13	0	N/A
mmu-miR-3057-5p	70-77	8mer	-0.38	97	-0.38	0	N/A
mmu-miR-5130	70-76	7mer-1A	-0.25	93	-0.25	0	N/A
mmu-miR-6938-5p	70-76	7mer-1A	-0.18	81	-0.18	0	N/A
mmu-miR-9-5p	73-79	7mer-1A	-0.11	78	-0.11	0.375	<0.1
mmu-miR-193a-5p	76-83	8mer	-0.42	97	-0.42	0.338	<0.1
mmu-miR-3091-5p	78-84	7mer-m8	-0.29	93	-0.29	0	N/A
mmu-miR-3961	87-93	7mer-1A	-0.17	73	-0.17	0	N/A

mmu-miR-18a-3p	88-94	7mer-m8	-0.06	61	-0.06	0.113	N/A
mmu-miR-7069-3p	88-94	7mer-m8	-0.05	58	-0.05	0.113	N/A
mmu-miR-7016-3p	90-96	7mer-1A	-0.07	64	-0.07	0.409	N/A
mmu-miR-7239-5p	93-99	7mer-m8	-0.02	40	-0.02	0	N/A
mmu-miR-3101-5p	96-102	7mer-m8	-0.02	32	-0.02	0	N/A
mmu-miR-7087-3p	108-120	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-7087-3p	108-120	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-3473c	109-115	7mer-1A	-0.1	70	-0.1	0	N/A
mmu-miR-7649-3p	109-115	7mer-1A	-0.05	50	-0.05	0	N/A
mmu-miR-6975-3p	109-115	7mer-1A	-0.01	29	-0.01	0	N/A
mmu-miR-7063-3p	111-117	7mer-m8	-0.04	33	-0.04	0	N/A
mmu-miR-6973b-3p	111-117	7mer-m8	-0.04	33	-0.04	0	N/A
mmu-miR-760-3p	113-119	7mer-1A	-0.07	48	-0.07	0.113	N/A
mmu-miR-7239-3p	113-119	7mer-1A	-0.05	39	-0.05	0.113	N/A
mmu-miR-1291	113-119	7mer-m8	-0.02	30	-0.02	0	N/A
mmu-miR-7029-3p	114-120	7mer-m8	-0.14	80	-0.14	0.113	N/A
mmu-miR-546	116-123	8mer	-0.43	97	-0.43	0	N/A
mmu-miR-6934-5p	117-123	7mer-1A	-0.1	66	-0.1	0	N/A
mmu-miR-6952-5p	117-123	7mer-1A	-0.05	46	-0.05	0	N/A
mmu-miR-6400	119-130	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-6400	119-130	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-7680-3p	121-127	7mer-m8	-0.04	55	-0.04	0	N/A
mmu-miR-7663-5p	121-127	7mer-m8	-0.02	53	-0.02	0	N/A
mmu-miR-210-5p	128-134	7mer-m8	-0.09	61	-0.09	0.468	N/A
mmu-miR-6919-5p	130-136	7mer-m8	-0.25	92	-0.25	0.409	N/A
mmu-miR-1668	132-138	7mer-m8	-0.1	81	-0.1	0	N/A
mmu-miR-3544-5p	133-140	8mer	-0.18	89	-0.18	0	N/A
mmu-miR-488-3p	134-140	7mer-m8	-0.04	65	-0.04	0.253	N/A
mmu-miR-7681-3p	134-140	7mer-1A	-0.04	58	-0.04	0	N/A

mmu-miR-471-3p	134-140	7mer-1A	-0.01	29	-0.01	0.113	N/A
mmu-miR-1934-3p	138-144	7mer-1A	-0.11	75	-0.11	0	N/A
mmu-miR-7b-5p	149-155	7mer-1A	-0.03	60	-0.03	0.269	<0.1
mmu-miR-7a-5p	149-155	7mer-1A	-0.03	59	-0.03	0.269	<0.1
mmu-miR-6917-5p	150-157	8mer	-0.31	95	-0.31	0	N/A
mmu-miR-5121	154-160	7mer-m8	-0.2	80	-0.2	0	N/A
mmu-miR-7002-5p	157-163	7mer-1A	-0.06	65	-0.06	0	N/A
mmu-miR-326-5p	164-170	7mer-1A	-0.21	82	-0.21	0	N/A
mmu-miR-486b-3p	164-170	7mer-1A	-0.21	71	-0.21	0	N/A
mmu-miR-486a-3p	164-170	7mer-1A	-0.21	71	-0.21	0	N/A
mmu-miR-6954-5p	164-170	7mer-1A	-0.19	67	-0.19	0	N/A
mmu-miR-31-3p	183-189	7mer-m8	-0.16	81	-0.16	0	N/A
mmu-miR-6996-5p	192-203	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-6996-5p	192-203	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-485-3p	200-206	7mer-m8	-0.02	24	-0.02	0	N/A
mmu-miR-6909-5p	209-215	7mer-m8	-0.31	87	-0.31	0	N/A
mmu-miR-6418-5p	211-217	7mer-1A	-0.13	70	-0.13	0	N/A
mmu-miR-7670-3p	217-223	7mer-1A	-0.01	25	-0.01	0.375	<0.1
mmu-miR-204-5p	217-223	7mer-1A	-0.01	24	-0.01	0.375	<0.1
mmu-miR-211-5p	217-223	7mer-1A	-0.01	24	-0.01	0.375	<0.1
mmu-miR-7002-5p	234-240	7mer-m8	-0.05	62	-0.05	0	N/A
mmu-miR-7091-3p	235-241	7mer-m8	-0.02	21	-0.02	0	N/A
mmu-miR-6973a-5p	238-244	7mer-m8	-0.18	71	-0.18	0	N/A
mmu-miR-3085-5p	244-250	7mer-m8	-0.1	46	-0.1	0	N/A
mmu-miR-423-3p	248-255	8mer	-0.5	94	-0.5	0.299	N/A
mmu-miR-7686-3p	249-255	7mer-m8	-0.26	72	-0.26	0	N/A
mmu-miR-2861	254-260	7mer-m8	-0.16	81	-0.16	0	N/A
mmu-miR-3091-3p	254-260	7mer-m8	-0.19	74	-0.19	0	N/A
mmu-miR-330-3p.2	255-266	non-canonical	N/A	N/A	N/A	0	N/A

mmu-miR-330-3p.2	255-266	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-6996-5p	259-266	8mer	-0.21	89	-0.21	0	N/A
mmu-miR-6355	264-270	7mer-m8	-0.03	70	-0.03	0	N/A
mmu-miR-6920-5p	265-271	7mer-m8	-0.02	36	-0.02	0	N/A
mmu-miR-693-5p	268-275	8mer	-0.3	96	-0.3	0	N/A
mmu-miR-3472	271-277	7mer-m8	-0.14	83	-0.14	0	N/A
mmu-miR-295-5p	275-282	8mer	-0.05	84	-0.05	0.113	N/A
mmu-miR-292b-5p	276-282	7mer-1A	-0.05	80	-0.05	0.411	N/A
mmu-miR-294-5p	276-282	7mer-1A	-0.04	75	-0.04	0.411	N/A
mmu-miR-290a-5p	276-282	7mer-1A	-0.01	49	-0.01	1.207	N/A
mmu-miR-292a-5p	276-282	7mer-1A	-0.01	48	-0.01	1.207	N/A
mmu-miR-293-5p	276-282	7mer-1A	-0.01	47	-0.01	1.207	N/A
mmu-miR-5133	284-290	7mer-m8	-0.18	93	-0.18	0	N/A
mmu-miR-6950-5p	285-291	7mer-m8	-0.12	72	-0.12	0	N/A
mmu-miR-6379	286-293	8mer	-0.26	94	-0.26	0	N/A
mmu-miR-7671-5p	291-297	7mer-1A	-0.17	80	-0.17	0	N/A
mmu-miR-149-5p	292-298	7mer-m8	-0.15	83	-0.15	0.264	N/A
mmu-miR-7087-3p	293-300	8mer	-0.32	93	-0.32	0	N/A
mmu-miR-3963	307-313	7mer-1A	-0.11	64	-0.11	0	N/A
mmu-miR-223-5p	309-315	7mer-1A	-0.05	53	-0.05	0.113	N/A
mmu-miR-7089-3p	316-323	8mer	-0.37	98	-0.37	0	N/A
mmu-miR-33-3p	325-331	7mer-m8	-0.02	51	-0.02	0.113	N/A
mmu-miR-7119-3p	331-337	7mer-m8	-0.02	39	-0.02	0	N/A
mmu-miR-1668	343-349	7mer-m8	-0.18	90	-0.18	0	N/A
mmu-miR-7062-5p	351-357	7mer-1A	-0.09	66	-0.09	0	N/A
mmu-miR-3475-3p	352-358	7mer-m8	-0.13	80	-0.13	0	N/A
mmu-miR-6972-5p	352-358	7mer-m8	-0.09	80	-0.09	0	N/A
mmu-miR-6950-5p	353-360	8mer	-0.25	92	-0.25	0	N/A
mmu-miR-483-3p.1	357-363	7mer-1A	-0.01	31	-0.01	0.694	N/A

mmu-miR-7055-3p	360-367	8mer	-0.33	96	-0.33	0	N/A
mmu-miR-33-5p	367-373	7mer-1A	-0.07	81	-0.07	2.639	<0.1
mmu-miR-450b-5p	369-375	7mer-1A	-0.11	85	-0.11	0	N/A
mmu-miR-129-5p	370-376	7mer-m8	-0.02	77	-0.02	1.069	<0.1
mmu-miR-129b-5p	371-377	7mer-m8	-0.02	75	-0.02	0	N/A
mmu-miR-7091-3p	375-381	7mer-m8	-0.16	80	-0.16	0	N/A
mmu-miR-7037-5p	377-383	7mer-m8	-0.26	90	-0.26	0	N/A
mmu-miR-298-5p	381-387	7mer-m8	-0.14	87	-0.14	0	N/A
mmu-miR-6969-5p	382-388	7mer-m8	-0.08	72	-0.08	0	N/A
mmu-miR-5621-3p	393-399	7mer-m8	-0.17	74	-0.17	0	N/A
mmu-miR-1946a	396-403	8mer	-0.52	97	-0.52	0	N/A
mmu-miR-7658-3p	403-409	7mer-1A	-0.07	72	-0.07	0	N/A
mmu-miR-1968-3p	403-409	7mer-1A	-0.01	31	-0.01	0	N/A
mmu-miR-1952	404-411	8mer	-0.31	96	-0.31	0	N/A
mmu-miR-6974-3p	405-411	7mer-1A	-0.04	51	-0.04	0	N/A
mmu-miR-7649-3p	406-412	7mer-m8	-0.11	71	-0.11	0	N/A
mmu-miR-3473c	406-412	7mer-m8	-0.07	60	-0.07	0	N/A
mmu-miR-6908-3p	408-414	7mer-m8	-0.15	86	-0.15	0	N/A
mmu-miR-7013-3p	411-417	7mer-1A	-0.1	83	-0.1	0	N/A
mmu-miR-6911-3p	414-420	7mer-m8	-0.19	91	-0.19	0	N/A
mmu-miR-7227-3p	425-431	7mer-1A	-0.11	92	-0.11	0	N/A
mmu-miR-6984-5p	425-431	7mer-1A	-0.11	88	-0.11	0.445	N/A
mmu-miR-875-3p	425-431	7mer-1A	-0.1	88	-0.1	0	N/A
mmu-miR-7079-3p	429-436	8mer	-0.3	94	-0.3	0	N/A
mmu-miR-7235-3p	431-437	7mer-m8	-0.16	88	-0.16	0.113	N/A
mmu-miR-1936	433-439	7mer-m8	-0.28	97	-0.28	0	N/A
mmu-miR-495-3p	437-443	7mer-m8	-0.13	95	-0.13	0	N/A
mmu-miR-1192	437-443	7mer-m8	-0.13	94	-0.13	0	N/A
mmu-miR-8118	440-447	8mer	-0.14	95	-0.14	0	N/A

mmu-let-7c-1-3p	443-449	7mer-m8	-0.15	89	-0.15	0	N/A
mmu-miR-338-5p	453-459	7mer-1A	-0.01	38	-0.01	0.113	N/A
mmu-miR-1197-3p	469-475	7mer-1A	-0.17	87	-0.17	0	N/A
mmu-miR-7011-5p	476-483	8mer	-0.52	99	-0.52	0	N/A
mmu-miR-6982-5p	477-484	8mer	-0.51	99	-0.51	0	N/A
mmu-miR-8100	477-483	7mer-1A	-0.27	94	-0.27	0	N/A
mmu-miR-1843b-5p	478-484	7mer-1A	-0.19	90	-0.19	0	N/A
mmu-miR-3473f	490-496	7mer-1A	-0.13	92	-0.13	0	N/A
mmu-let-7c-2-3p	504-510	7mer-m8	-0.2	97	-0.2	0.505	N/A
mmu-let-7a-1-3p	504-510	7mer-m8	-0.2	97	-0.2	0.505	N/A
mmu-let-7b-3p	504-510	7mer-m8	-0.18	96	-0.18	0.505	N/A
mmu-miR-98-3p	504-510	7mer-m8	-0.16	94	-0.16	0.505	N/A
mmu-let-7f-1-3p	504-510	7mer-m8	-0.16	94	-0.16	0.505	N/A
mmu-miR-669b-3p	505-511	7mer-m8	-0.12	85	-0.12	0	N/A
mmu-miR-467a-3p	505-511	7mer-m8	-0.1	82	-0.1	0	N/A
mmu-miR-669f-3p	505-511	7mer-m8	-0.1	82	-0.1	0	N/A
mmu-miR-338-5p	508-515	8mer	-0.28	98	-0.26	0.505	N/A
mmu-miR-3094-3p	516-522	7mer-m8	-0.08	84	-0.07	0	N/A
mmu-miR-374b-5p	525-531	7mer-1A	-0.1	90	-0.09	0.299	N/A
mmu-miR-6374	527-533	7mer-m8	-0.16	91	-0.15	0	N/A
mmu-miR-717	534-541	8mer	-0.44	98	-0.4	0	N/A
mmu-miR-3097-3p	535-541	7mer-1A	-0.16	82	-0.15	0	N/A
mmu-miR-871-5p	536-542	7mer-m8	-0.12	84	-0.11	0	N/A
mmu-miR-743a-5p	536-542	7mer-m8	-0.11	83	-0.1	0	N/A
mmu-miR-5625-3p	538-545	8mer	-0.27	95	-0.24	0	N/A
mmu-miR-20a-3p	547-554	8mer	-0.31	96	-0.28	0.113	N/A
mmu-miR-1950	548-554	7mer-1A	-0.1	79	-0.09	0	N/A
mmu-miR-6962-3p	550-556	7mer-1A	-0.09	72	-0.09	0	N/A
mmu-miR-331-5p	554-561	8mer	-0.32	96	-0.3	0	N/A

mmu-miR-6973b-5p	554-561	8mer	-0.23	95	-0.21	0	N/A
mmu-miR-7211-3p	583-589	7mer-m8	-0.31	96	-0.29	0	N/A
mmu-miR-8091	583-589	7mer-m8	-0.31	96	-0.29	0	N/A
mmu-miR-7021-5p	585-591	7mer-m8	-0.2	88	-0.19	0	N/A
mmu-miR-380-3p	589-595	7mer-1A	-0.06	62	-0.06	0	N/A
mmu-miR-202-5p	592-599	8mer	-0.31	96	-0.29	0.113	<0.1
mmu-miR-6896-3p	638-645	8mer	-0.24	96	-0.22	0	N/A
mmu-miR-7119-3p	657-663	7mer-m8	-0.02	39	-0.02	0	N/A
mmu-miR-133a-5p	671-677	7mer-m8	-0.17	89	-0.16	0	N/A
mmu-miR-138-5p	673-679	7mer-1A	-0.2	72	-0.18	0	<0.1
mmu-miR-370-3p	675-682	8mer	-0.29	97	-0.27	0.113	N/A
mmu-miR-3074-5p	677-683	7mer-m8	-0.09	89	-0.09	0	N/A
mmu-miR-7674-3p	681-687	7mer-m8	-0.1	78	-0.1	0	N/A
mmu-miR-292b-3p	685-691	7mer-m8	-0.25	92	-0.23	0	N/A
mmu-miR-7023-3p	694-700	7mer-1A	-0.17	85	-0.16	0	N/A
mmu-miR-7018-3p	694-700	7mer-1A	-0.14	79	-0.13	0	N/A
mmu-miR-7047-3p	694-700	7mer-1A	-0.13	78	-0.12	0	N/A
mmu-miR-7068-3p	694-700	7mer-1A	-0.14	78	-0.13	0	N/A
mmu-miR-1193-3p	697-703	7mer-m8	-0.18	85	-0.17	0	N/A
mmu-miR-370-5p	697-703	7mer-m8	-0.17	83	-0.16	0	N/A
mmu-miR-7119-3p	716-722	7mer-m8	-0.02	39	-0.02	0	N/A
mmu-miR-1192	720-726	7mer-1A	-0.06	87	-0.05	0	N/A
mmu-miR-7a-1-3p	720-726	7mer-1A	-0.03	86	-0.02	0	N/A
mmu-miR-495-3p	720-726	7mer-1A	-0.01	60	-0.01	0	N/A
mmu-miR-540-3p	737-744	8mer	-0.44	98	-0.41	0	N/A
mmu-miR-6915-5p	737-744	8mer	-0.44	98	-0.41	0	N/A
mmu-miR-133b-5p	739-745	7mer-m8	-0.19	89	-0.18	0	N/A
mmu-miR-7036b-3p	741-747	7mer-m8	-0.18	91	-0.16	0	N/A
mmu-let-7b-3p	750-756	7mer-m8	-0.11	88	-0.1	0.874	N/A

mmu-let-7c-2-3p	750-756	7mer-m8	-0.11	88	-0.1	0.874	N/A
mmu-let-7a-1-3p	750-756	7mer-m8	-0.11	88	-0.1	0.874	N/A
mmu-miR-98-3p	750-756	7mer-m8	-0.09	83	-0.08	0.874	N/A
mmu-let-7f-1-3p	750-756	7mer-m8	-0.09	83	-0.08	0.874	N/A
mmu-miR-539-3p	750-756	7mer-1A	-0.05	77	-0.05	1.412	N/A
mmu-miR-381-3p	750-756	7mer-1A	-0.03	70	-0.03	1.412	N/A
mmu-miR-467a-3p	751-757	7mer-m8	-0.04	66	-0.04	0	N/A
mmu-miR-669f-3p	751-757	7mer-m8	-0.04	66	-0.04	0	N/A
mmu-miR-669b-3p	751-757	7mer-m8	-0.04	65	-0.04	0	N/A
mmu-miR-16-2-3p	754-760	7mer-m8	-0.19	92	-0.17	0	N/A
mmu-miR-340-5p	767-773	7mer-1A	-0.01	50	-0.01	2.821	N/A
mmu-miR-6414	776-782	7mer-1A	-0.03	64	-0.03	0	N/A
mmu-miR-6970-5p	776-782	7mer-1A	-0.01	44	-0.01	0	N/A
mmu-miR-7210-5p	781-787	7mer-1A	-0.05	83	-0.04	0	N/A
mmu-miR-543-3p	781-787	7mer-1A	-0.01	65	-0.01	2.897	N/A
mmu-miR-669p-3p	782-788	7mer-m8	-0.11	90	-0.1	0	N/A
mmu-miR-6905-3p	784-790	7mer-1A	-0.07	83	-0.07	0	N/A
mmu-miR-295-5p	790-796	7mer-m8	-0.03	74	-0.03	0	N/A
mmu-miR-711	796-802	7mer-1A	-0.23	94	-0.21	0	N/A
mmu-miR-15a-3p	804-810	7mer-m8	-0.16	88	-0.14	0	N/A
mmu-miR-7240-5p	809-815	7mer-m8	-0.13	81	-0.12	0	N/A
mmu-miR-882	809-815	7mer-1A	-0.08	60	-0.07	0.315	N/A
mmu-miR-7216-5p	809-815	7mer-1A	-0.05	60	-0.04	0	N/A
mmu-miR-185-5p	809-815	7mer-1A	-0.07	52	-0.06	0.315	N/A
mmu-miR-3473a	809-815	7mer-1A	-0.05	46	-0.05	0.315	N/A
mmu-miR-7012-5p	816-822	7mer-m8	-0.12	78	-0.11	0	N/A
mmu-miR-8113	816-822	7mer-m8	-0.12	78	-0.11	0	N/A
mmu-miR-8119	816-822	7mer-m8	-0.06	75	-0.05	0	N/A
mmu-miR-7057-5p	816-822	7mer-m8	-0.09	73	-0.09	0	N/A

mmu-miR-7050-5p	817-823	7mer-m8	-0.04	56	-0.04	0	N/A
mmu-miR-665-3p	818-825	8mer	-0.41	98	-0.38	0.24	N/A
mmu-miR-7222-3p	819-825	7mer-1A	-0.14	85	-0.12	0	N/A
mmu-miR-1956	820-826	7mer-m8	-0.33	93	-0.3	0.113	N/A
mmu-miR-7647-3p	821-827	7mer-m8	-0.21	89	-0.19	0	N/A
mmu-miR-455-3p.1	822-828	7mer-m8	-0.12	78	-0.11	0.299	<0.1
mmu-miR-101b-3p.1	825-831	7mer-1A	-0.05	69	-0.04	0.299	<0.1
mmu-miR-101b-3p.2	825-831	7mer-1A	-0.05	69	-0.04	0.299	<0.1
mmu-miR-101a-3p.2	825-831	7mer-1A	-0.05	69	-0.04	0.299	<0.1
mmu-miR-582-5p	825-831	7mer-1A	-0.05	61	-0.04	0.299	N/A
mmu-miR-208a-5p	830-836	7mer-m8	-0.02	60	0	0.445	N/A
mmu-miR-6415	830-836	7mer-m8	-0.02	60	0	0.445	N/A
mmu-miR-208b-5p	830-836	7mer-m8	-0.02	48	0	0.445	N/A
mmu-miR-693-3p	831-837	7mer-m8	-0.04	76	-0.01	0	N/A
mmu-miR-674-3p	833-839	7mer-1A	-0.08	75	-0.02	0	N/A
mmu-miR-351-3p	852-859	8mer	-0.2	92	-0.04	0	N/A
mmu-miR-599	855-861	7mer-m8	-0.17	83	-0.03	0	N/A
mmu-miR-1970	855-861	7mer-1A	-0.12	74	-0.02	0	N/A
mmu-miR-5129-3p	863-869	7mer-m8	-0.19	86	-0.04	0.672	<0.1
mmu-miR-455-5p	863-869	7mer-m8	-0.18	85	-0.03	0.672	<0.1
mmu-miR-7651-5p	873-879	7mer-m8	-0.15	81	-0.03	0.815	N/A
mmu-miR-6976-5p	878-884	7mer-m8	-0.11	77	-0.02	0	N/A
mmu-miR-7665-5p	878-884	7mer-m8	-0.11	77	-0.02	0	N/A
mmu-miR-7218-5p	881-887	7mer-1A	-0.18	86	-0.03	0	N/A
mmu-miR-7067-5p	881-887	7mer-1A	-0.15	77	-0.03	0	N/A
mmu-miR-7092-5p	888-894	7mer-1A	-0.16	89	-0.03	0	N/A
mmu-miR-6540-5p	888-895	8mer	-0.23	77	-0.04	0.982	<0.1
mmu-miR-124-3p.2	888-895	8mer	-0.21	74	-0.04	0.982	<0.1
mmu-miR-124-3p.1	888-894	7mer-1A	-0.07	73	-0.01	0.982	<0.1

mmu-miR-5624-3p	888-895	8mer	-0.18	70	-0.03	0.982	<0.1
mmu-miR-7002-5p	894-900	7mer-1A	-0.02	42	0	0	N/A
mmu-miR-6375	896-902	7mer-m8	-0.17	91	-0.03	0	N/A
mmu-miR-4661-3p	900-906	7mer-1A	-0.01	34	0	0	N/A
mmu-miR-568	902-908	7mer-m8	-0.04	50	-0.01	0.507	N/A
mmu-miR-344h-3p	902-908	7mer-1A	-0.01	44	0	0.113	N/A
mmu-miR-223-5p	904-910	7mer-1A	-0.09	69	-0.02	0.468	N/A
mmu-miR-669n	906-912	7mer-m8	-0.1	84	-0.02	0.409	N/A
mmu-miR-592-5p	906-912	7mer-1A	-0.07	72	-0.01	0.652	N/A
mmu-miR-6377	908-914	7mer-m8	-0.06	81	-0.01	0	N/A
mmu-miR-935	932-938	7mer-m8	-0.02	23	0	0	N/A
mmu-miR-216c-3p	945-951	7mer-m8	-0.05	51	-0.01	0	N/A
mmu-miR-6908-5p	945-951	7mer-1A	-0.01	28	0	0	N/A
mmu-miR-543-5p	947-953	7mer-m8	-0.15	76	-0.03	0	N/A
mmu-miR-219a-1-3p	948-954	7mer-m8	-0.15	81	-0.03	0	N/A
mmu-miR-7072-5p	952-958	7mer-m8	-0.06	65	-0.01	0.499	N/A
mmu-miR-7030-5p	956-962	7mer-m8	-0.14	61	-0.03	0	N/A
mmu-miR-7075-5p	956-962	7mer-m8	-0.11	52	-0.02	0	N/A
mmu-miR-7076-5p	956-962	7mer-m8	-0.12	52	-0.02	0	N/A
mmu-miR-6971-5p	957-964	8mer	-0.23	72	-0.04	0	N/A
mmu-miR-7024-5p	958-964	7mer-m8	-0.14	66	-0.03	0	N/A
mmu-miR-7119-5p	958-964	7mer-m8	-0.11	60	-0.02	0	N/A
mmu-miR-7023-5p	958-964	7mer-m8	-0.11	57	-0.02	0	N/A
mmu-miR-7073-5p	958-964	7mer-1A	-0.11	48	-0.02	0	N/A
mmu-miR-6941-5p	958-964	7mer-m8	-0.07	45	-0.01	0	N/A
mmu-miR-7212-5p	959-965	7mer-m8	-0.16	80	-0.03	0	N/A
mmu-miR-7117-5p	959-965	7mer-m8	-0.16	79	-0.03	0	N/A
mmu-miR-3083-5p	961-968	8mer	-0.16	73	-0.03	0.409	N/A
mmu-miR-7679-5p	962-968	7mer-1A	-0.13	73	-0.02	0	N/A

mmu-miR-664-5p	962-968	7mer-m8	-0.09	67	-0.02	0.409	N/A
mmu-miR-3473e	962-968	7mer-1A	-0.04	49	-0.01	0.409	N/A
mmu-miR-3473b	962-968	7mer-1A	-0.04	49	-0.01	0.409	N/A
mmu-miR-3085-3p	963-969	7mer-m8	-0.14	78	-0.03	0.763	0.18
mmu-miR-3064-5p	963-969	7mer-m8	-0.14	78	-0.03	0.763	0.18
mmu-miR-871-3p	965-971	7mer-m8	-0.2	83	-0.04	0.113	N/A
mmu-miR-6976-5p	972-978	7mer-m8	-0.07	69	-0.01	0	N/A
mmu-miR-7665-5p	972-978	7mer-m8	-0.07	66	-0.01	0	N/A
mmu-miR-7054-5p	976-982	7mer-m8	-0.13	84	-0.03	0.409	N/A
mmu-miR-6999-5p	976-982	7mer-m8	-0.08	73	-0.02	0.409	N/A
mmu-miR-6244	984-990	7mer-1A	-0.24	85	-0.04	0	N/A
mmu-miR-5120	985-991	7mer-m8	-0.21	88	-0.04	0	N/A
mmu-miR-5710	987-993	7mer-1A	-0.09	65	-0.02	0	N/A
mmu-miR-7229-3p	997-1003	7mer-m8	-0.08	76	-0.01	0	N/A
mmu-miR-672-3p	998-1005	8mer	-0.23	97	-0.04	0.113	N/A
mmu-miR-377-3p	999-1005	7mer-m8	-0.07	51	-0.01	1.069	N/A
mmu-miR-374b-3p	1007-1013	7mer-1A	-0.01	18	0	0	N/A
mmu-miR-544-5p	1010-1016	7mer-1A	-0.05	56	-0.01	0	N/A
mmu-miR-6964-3p	1011-1017	7mer-m8	-0.04	69	-0.01	0	N/A
mmu-miR-1903	1013-1019	7mer-1A	-0.01	31	0	0	N/A
mmu-miR-1191a	1016-1022	7mer-1A	-0.18	91	-0.03	0	N/A
mmu-miR-6516-5p	1062-1069	8mer	-0.22	93	-0.04	0.609	N/A
mmu-miR-450b-5p	1063-1070	8mer	-0.15	90	-0.03	0	N/A
mmu-miR-7078-3p	1067-1073	7mer-1A	-0.01	39	0	0	N/A
mmu-miR-804	1073-1079	7mer-m8	-0.2	89	-0.04	0	N/A
mmu-miR-7680-5p	1078-1085	8mer	-0.22	94	-0.04	0	N/A
mmu-miR-6344	1081-1087	7mer-1A	-0.03	82	-0.01	0	N/A
mmu-miR-7116-3p	1082-1089	8mer	-0.03	89	-0.01	0	N/A
mmu-miR-6951-3p	1082-1089	8mer	-0.03	88	-0.01	0	N/A

mmu-miR-195a-3p	1088-1094	7mer-m8	-0.07	82	-0.01	0	N/A
mmu-miR-338-5p	1089-1096	8mer	-0.18	96	-0.03	0	N/A
mmu-miR-3095-5p	1105-1111	7mer-m8	-0.16	91	-0.03	0	N/A
mmu-miR-9-3p	1108-1114	7mer-m8	-0.12	84	-0.02	1.296	N/A
mmu-miR-204-5p	1133-1139	7mer-m8	-0.07	70	-0.01	0.804	<0.1
mmu-miR-7670-3p	1133-1139	7mer-m8	-0.06	67	-0.01	0.804	<0.1
mmu-miR-211-5p	1133-1139	7mer-m8	-0.06	66	-0.01	0.804	<0.1
mmu-miR-343	1134-1141	8mer	-0.24	95	-0.04	0	N/A
mmu-miR-6976-3p	1135-1141	7mer-m8	-0.17	83	-0.03	0	N/A
mmu-miR-702-3p	1149-1156	8mer	-0.21	82	-0.04	0	N/A
mmu-miR-6393	1150-1156	7mer-m8	-0.1	77	-0.02	0	N/A
mmu-miR-6990-3p	1154-1160	7mer-m8	-0.14	77	-0.03	0	N/A
mmu-miR-7035-3p	1158-1164	7mer-m8	-0.07	67	-0.01	0	N/A
mmu-miR-6367	1160-1166	7mer-m8	-0.08	60	-0.02	0	<0.1
mmu-miR-351-5p	1160-1166	7mer-m8	-0.07	56	-0.01	0	<0.1
mmu-miR-6394	1160-1166	7mer-m8	-0.07	56	-0.01	0	<0.1
mmu-miR-125a-5p	1160-1166	7mer-m8	-0.06	53	-0.01	0	<0.1
mmu-miR-125b-5p	1160-1166	7mer-m8	-0.06	53	-0.01	0	<0.1
mmu-miR-874-3p	1162-1169	8mer	-0.23	91	-0.04	0	N/A
mmu-miR-1231-3p	1162-1168	7mer-1A	-0.17	87	-0.03	0	N/A
mmu-miR-6990-3p	1162-1168	7mer-1A	-0.07	64	-0.01	0	N/A
mmu-miR-6354	1162-1168	7mer-1A	-0.08	57	-0.02	0	N/A
mmu-miR-7660-5p	1163-1169	7mer-m8	-0.06	44	-0.01	0	N/A
mmu-miR-7067-3p	1166-1172	7mer-1A	-0.03	21	-0.01	0	N/A
mmu-miR-7b-5p	1180-1186	7mer-1A	-0.01	35	0	0.205	<0.1
mmu-miR-7a-5p	1180-1186	7mer-1A	-0.01	35	0	0.205	<0.1
mmu-miR-8099	1190-1196	7mer-1A	-0.16	87	-0.03	0	N/A
mmu-miR-1898	1192-1198	7mer-m8	-0.16	72	-0.03	0	N/A
mmu-miR-3964	1196-1202	7mer-1A	-0.11	68	-0.02	0	N/A

mmu-miR-7013-3p	1206-1212	7mer-m8	-0.02	51	0	0	N/A
mmu-miR-770-5p	1210-1216	7mer-m8	-0.23	90	-0.04	0.113	N/A
mmu-miR-29a-3p	1211-1217	7mer-m8	-0.11	66	-0.02	0.113	<0.1
mmu-miR-29c-3p	1211-1217	7mer-m8	-0.11	66	-0.02	0.113	<0.1
mmu-miR-29b-3p	1211-1217	7mer-m8	-0.1	63	-0.02	0.113	<0.1
mmu-miR-6346	1231-1238	8mer	-0.25	95	-0.05	0	N/A
mmu-miR-6350	1231-1238	8mer	-0.21	93	-0.04	0	N/A
mmu-miR-3060-3p	1234-1240	7mer-m8	-0.12	66	-0.02	0	N/A
mmu-miR-7042-5p	1239-1245	7mer-m8	-0.15	85	-0.03	0	N/A
mmu-miR-654-5p	1244-1250	7mer-1A	-0.07	63	-0.01	0	N/A
mmu-miR-7049-3p	1254-1261	8mer	-0.28	92	-0.05	0	N/A
mmu-miR-7044-3p	1255-1261	7mer-m8	-0.1	72	-0.02	0	N/A
mmu-miR-6954-3p	1255-1261	7mer-1A	-0.09	56	-0.02	0	N/A
mmu-miR-7666-3p	1256-1262	7mer-m8	-0.02	61	0	0	N/A
mmu-miR-7086-5p	1264-1270	7mer-m8	-0.08	70	-0.01	0	N/A
mmu-miR-7661-5p	1268-1274	7mer-m8	-0.02	44	0	0	N/A
mmu-miR-3547-3p	1282-1288	7mer-1A	-0.05	51	-0.01	0.113	N/A
mmu-miR-6927-3p	1284-1290	7mer-1A	-0.04	54	-0.01	0	N/A
mmu-miR-7035-3p	1284-1290	7mer-1A	-0.01	30	0	0	N/A
mmu-miR-6945-3p	1284-1290	7mer-1A	-0.01	21	0	0	N/A
mmu-miR-301a-5p	1286-1292	7mer-1A	-0.01	46	0	0.113	N/A
mmu-miR-301b-5p	1286-1292	7mer-1A	-0.01	46	0	0.113	N/A
mmu-miR-6952-3p	1286-1292	7mer-1A	-0.01	38	0	0.113	N/A
mmu-miR-1896	1286-1292	7mer-m8	-0.02	33	0	0	N/A
mmu-miR-216b-5p	1288-1294	7mer-m8	-0.02	30	0	0.613	<0.1
mmu-miR-7086-5p	1297-1303	7mer-m8	-0.18	88	-0.03	0	N/A
mmu-miR-3096-5p	1311-1317	7mer-1A	-0.15	76	-0.03	0	N/A
mmu-miR-3090-5p	1323-1330	8mer	-0.15	89	-0.03	0	N/A
mmu-miR-7213-5p	1323-1329	7mer-1A	-0.1	71	-0.02	0	N/A

mmu-miR-7019-5p	1324-1330	7mer-1A	-0.12	69	-0.02	0	N/A
mmu-miR-6907-5p	1324-1330	7mer-1A	-0.1	64	-0.02	0	N/A
mmu-miR-7021-3p	1326-1337	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-7021-3p	1326-1337	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-107-5p	1327-1333	7mer-1A	-0.02	32	0	0.113	N/A
mmu-miR-103-2-5p	1327-1333	7mer-1A	-0.02	31	0	0.113	N/A
mmu-miR-103-1-5p	1327-1333	7mer-1A	-0.01	30	0	0.113	N/A
mmu-miR-7008-3p	1328-1335	8mer	-0.2	87	-0.04	0	N/A
mmu-miR-218-5p	1329-1335	7mer-m8	-0.07	65	-0.01	0.113	<0.1
mmu-miR-7002-3p	1329-1335	7mer-m8	-0.04	55	-0.01	0.113	<0.1
mmu-miR-7026-3p	1329-1335	7mer-1A	-0.02	23	0	0	N/A
mmu-miR-6965-3p	1330-1337	8mer	-0.21	90	-0.04	0	N/A
mmu-miR-7043-3p	1331-1337	7mer-1A	-0.11	73	-0.02	0.445	N/A
mmu-miR-7015-5p	1331-1337	7mer-1A	-0.13	73	-0.02	0	N/A
mmu-miR-6950-3p	1335-1341	7mer-m8	-0.07	62	-0.01	0	N/A
mmu-miR-7215-3p	1338-1344	7mer-1A	-0.14	81	-0.03	0	N/A
mmu-miR-7030-3p	1339-1345	7mer-m8	-0.03	41	-0.01	0	N/A
mmu-miR-206-5p	1344-1350	7mer-m8	-0.02	33	0	0	N/A
mmu-miR-338-3p	1348-1354	7mer-m8	-0.02	46	0	0	<0.1
mmu-miR-1934-5p	1368-1374	7mer-m8	-0.25	87	-0.05	0	N/A
mmu-miR-6372	1371-1377	7mer-m8	-0.14	76	-0.03	0	N/A
mmu-miR-1912-3p	1374-1380	7mer-m8	-0.02	67	0	0	N/A
mmu-miR-6902-5p	1379-1385	7mer-m8	-0.06	72	-0.01	0	N/A
mmu-miR-6918-3p	1385-1391	7mer-1A	-0.03	30	-0.01	0	N/A
mmu-miR-28a-3p	1391-1397	7mer-m8	-0.02	28	0	0	N/A
mmu-miR-3068-5p	1406-1412	7mer-m8	-0.05	56	-0.01	0	N/A
mmu-miR-6934-5p	1409-1415	7mer-m8	-0.15	77	-0.03	0	N/A
mmu-miR-7672-5p	1409-1415	7mer-1A	-0.07	58	-0.01	0	N/A
mmu-miR-6910-3p	1412-1418	7mer-1A	-0.02	35	0	0	N/A

mmu-miR-6910-5p	1420-1426	7mer-1A	-0.2	76	-0.04	0	N/A
mmu-miR-7006-5p	1420-1426	7mer-1A	-0.12	37	-0.02	0	N/A
mmu-miR-5132-5p	1422-1428	7mer-m8	-0.26	84	-0.05	0	N/A
mmu-miR-8110	1424-1430	7mer-m8	-0.31	87	-0.06	0	N/A
mmu-miR-28a-3p	1434-1440	7mer-m8	-0.09	76	-0.02	0.569	N/A
mmu-miR-708-3p	1435-1441	7mer-m8	-0.05	52	-0.01	0	N/A
mmu-miR-350-3p	1440-1446	7mer-1A	-0.01	18	0	0	N/A
mmu-miR-677-3p	1447-1453	7mer-m8	-0.02	53	0	0	N/A
mmu-miR-133a-5p	1460-1466	7mer-m8	-0.02	21	0	0	N/A
mmu-miR-138-5p	1462-1468	7mer-1A	-0.11	53	-0.02	0.819	<0.1
mmu-miR-6926-3p	1468-1474	7mer-1A	-0.01	35	0	0	N/A
mmu-miR-1193-3p	1471-1477	7mer-m8	-0.11	76	-0.02	0.605	N/A
mmu-miR-370-5p	1471-1477	7mer-m8	-0.12	76	-0.02	0.605	N/A
mmu-miR-6904-3p	1479-1485	7mer-m8	-0.12	76	-0.02	0	N/A
mmu-miR-5619-5p	1488-1494	7mer-1A	-0.19	86	-0.04	0	N/A
mmu-miR-668-3p	1488-1494	7mer-1A	-0.05	64	-0.01	0.72	N/A
mmu-miR-7215-5p	1499-1505	7mer-m8	-0.02	53	0	0	N/A
mmu-miR-344h-3p	1508-1514	7mer-m8	-0.02	74	0	0	N/A
mmu-miR-6910-3p	1513-1519	7mer-1A	-0.11	79	-0.02	0	N/A
mmu-miR-1264-5p	1535-1541	7mer-1A	-0.04	38	-0.01	0	N/A
mmu-miR-1934-5p	1536-1542	7mer-m8	-0.16	75	-0.03	0	N/A
mmu-miR-763	1539-1545	7mer-m8	-0.02	51	0	0	N/A
mmu-miR-1955-5p	1543-1549	7mer-m8	-0.04	33	-0.01	0	N/A
mmu-miR-6350	1548-1554	7mer-m8	-0.02	35	0	0	N/A
mmu-miR-6346	1548-1554	7mer-m8	-0.02	29	0	0	N/A
mmu-miR-761	1549-1555	7mer-m8	-0.02	55	0	0.113	N/A
mmu-miR-214-3p	1549-1555	7mer-m8	-0.02	41	0	0.113	N/A
mmu-miR-383-3p	1551-1557	7mer-m8	-0.02	24	0	0.113	N/A
mmu-miR-9769-5p	1553-1560	8mer	-0.06	47	-0.01	0	N/A

mmu-miR-871-3p	1557-1563	7mer-m8	-0.08	62	-0.02	0	N/A
mmu-miR-7222-3p	1561-1567	7mer-m8	-0.19	90	-0.04	0	N/A
mmu-miR-3090-3p	1563-1569	7mer-1A	-0.03	56	-0.01	0	N/A
mmu-miR-3096-5p	1573-1579	7mer-m8	-0.07	55	-0.01	0	N/A
mmu-miR-486a-3p	1584-1590	7mer-1A	-0.11	48	-0.02	0	N/A
mmu-miR-486b-3p	1584-1590	7mer-1A	-0.11	48	-0.02	0	N/A
mmu-miR-6954-5p	1584-1590	7mer-1A	-0.09	44	-0.02	0	N/A
mmu-miR-326-5p	1584-1590	7mer-1A	-0.05	42	-0.01	0	N/A
mmu-miR-5120	1585-1591	7mer-m8	-0.23	90	-0.04	0	N/A
mmu-miR-5710	1587-1593	7mer-1A	-0.05	47	-0.01	0	N/A
mmu-miR-692	1590-1596	7mer-1A	-0.04	68	-0.01	0	N/A
mmu-miR-6896-3p	1591-1597	7mer-1A	-0.01	39	0	0	N/A
mmu-miR-6240	1598-1604	7mer-m8	-0.04	54	-0.01	0.253	N/A
mmu-miR-330-3p.1	1598-1604	7mer-m8	-0.02	38	0	0.253	N/A
mmu-miR-218-5p	1610-1616	7mer-m8	-0.02	35	0	1.818	<0.1
mmu-miR-7002-3p	1610-1616	7mer-m8	-0.02	34	0	1.818	<0.1
mmu-miR-7008-3p	1610-1616	7mer-1A	-0.01	21	0	0	N/A
mmu-miR-7026-3p	1610-1616	7mer-1A	-0.01	14	0	0	N/A
mmu-miR-6965-3p	1611-1617	7mer-m8	-0.02	37	0	0.729	N/A
mmu-miR-339-5p	1614-1620	7mer-1A	-0.01	27	0	0.113	N/A
mmu-miR-7665-3p	1614-1625	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-7665-3p	1614-1625	non-canonical	N/A	N/A	N/A	0	N/A
mmu-miR-8118	1623-1629	7mer-m8	-0.02	37	0	0	N/A
mmu-miR-1955-5p	1632-1639	8mer	-0.28	92	-0.05	0	N/A
mmu-miR-219b-5p	1635-1641	7mer-m8	-0.19	82	-0.04	0.468	N/A
mmu-miR-1942	1637-1643	7mer-m8	-0.02	50	0	0	N/A
mmu-miR-7229-3p	1640-1646	7mer-m8	-0.02	45	0	0	N/A
mmu-miR-672-3p	1641-1647	7mer-m8	-0.11	88	-0.02	0.113	N/A
mmu-miR-669c-3p	1642-1649	8mer	-0.08	56	-0.02	0	N/A

mmu-miR-466i-3p	1643-1650	8mer	-0.18	89	-0.03	0	N/A
mmu-miR-362-3p	1643-1649	7mer-1A	-0.04	76	-0.01	0.113	N/A
mmu-miR-329-3p	1643-1649	7mer-1A	-0.03	69	-0.01	0.113	N/A
mmu-miR-654-3p	1657-1663	7mer-m8	-0.16	86	-0.03	0.707	N/A
mmu-miR-6381	1674-1680	7mer-m8	-0.15	82	-0.03	0	N/A
mmu-miR-6924-5p	1675-1681	7mer-m8	-0.02	16	0	0	N/A
mmu-miR-7011-5p	1676-1682	7mer-m8	-0.05	50	-0.01	0	N/A
mmu-miR-6942-5p	1677-1683	7mer-m8	-0.06	54	-0.01	0	N/A
mmu-miR-6916-5p	1677-1683	7mer-m8	-0.05	47	-0.01	0	N/A
mmu-miR-6952-3p	1684-1690	7mer-m8	-0.04	68	-0.01	0	N/A
mmu-miR-301b-5p	1684-1690	7mer-m8	-0.02	65	0	0	N/A
mmu-miR-301a-5p	1684-1690	7mer-m8	-0.02	65	0	0	N/A
mmu-miR-7084-3p	1685-1691	7mer-m8	-0.02	37	0	0	N/A
mmu-miR-7074-3p	1689-1695	7mer-1A	-0.03	42	-0.01	0	N/A
mmu-miR-6924-5p	1696-1702	7mer-1A	-0.08	48	-0.02	0	N/A
mmu-miR-1967	1696-1702	7mer-1A	-0.01	23	0	0	N/A
mmu-miR-6985-5p	1698-1704	7mer-m8	-0.24	93	-0.04	0	N/A
mmu-miR-1936	1703-1709	7mer-m8	-0.15	89	-0.03	0	N/A
mmu-miR-493-5p	1711-1717	7mer-m8	-0.06	76	-0.01	0	N/A
mmu-let-7g-3p	1712-1718	7mer-m8	-0.2	82	-0.04	0	N/A
mmu-miR-7224-3p	1716-1722	7mer-1A	-0.14	83	-0.03	0	N/A
mmu-miR-6974-3p	1717-1723	7mer-m8	-0.11	76	-0.02	0	N/A
mmu-miR-7671-5p	1720-1726	7mer-1A	-0.2	85	-0.04	0	N/A
mmu-miR-7029-3p	1721-1728	8mer	-0.33	95	-0.06	0.113	N/A
mmu-miR-7091-3p	1722-1728	7mer-1A	-0.15	78	-0.03	0	N/A
mmu-miR-6902-3p	1725-1731	7mer-1A	-0.07	62	-0.01	0	N/A
mmu-miR-1933-5p	1727-1733	7mer-1A	-0.14	69	-0.03	0	N/A
mmu-miR-182-5p	1734-1740	7mer-m8	-0.1	64	-0.02	1.653	0.14
mmu-miR-664-5p	1759-1765	7mer-1A	-0.11	72	-0.02	0	N/A

mmu-miR-10b-3p	1786-1792	7mer-1A	-0.19	93	-0.04	0	N/A
mmu-miR-7221-3p	1793-1799	7mer-1A	-0.09	56	-0.02	0	N/A
mmu-miR-468-3p	1794-1800	7mer-m8	-0.09	75	-0.02	0	N/A
mmu-miR-7048-3p	1799-1805	7mer-m8	-0.05	70	-0.01	0	N/A
mmu-miR-7077-3p	1799-1805	7mer-m8	-0.05	67	-0.01	0	N/A
mmu-miR-1224-5p	1805-1811	7mer-m8	-0.14	89	-0.03	0.113	N/A
mmu-miR-7026-5p	1808-1814	7mer-1A	-0.05	56	-0.01	0	N/A
mmu-miR-7079-3p	1811-1817	7mer-m8	-0.16	81	-0.03	0	N/A
mmu-miR-208b-3p	1827-1833	7mer-1A	-0.11	77	-0.02	0.264	<0.1
mmu-miR-208a-3p	1827-1833	7mer-1A	-0.1	75	-0.02	0.264	<0.1
mmu-miR-499-5p	1827-1833	7mer-1A	-0.04	50	-0.01	0.264	<0.1
mmu-miR-3066-3p	1830-1836	7mer-1A	-0.01	43	0	0	N/A
mmu-miR-1a-2-5p	1832-1839	8mer	-0.27	96	-0.05	0	<0.1
mmu-miR-1a-1-5p	1832-1839	8mer	-0.27	95	-0.05	0	<0.1
mmu-miR-485-3p	1834-1840	7mer-1A	-0.1	75	-0.02	0	N/A
mmu-miR-205-5p	1836-1842	7mer-m8	-0.19	93	-0.04	0.113	<0.1
mmu-miR-703	1839-1845	7mer-m8	-0.1	87	-0.02	0	N/A
mmu-miR-7062-5p	1854-1860	7mer-m8	-0.37	96	-0.07	0	N/A
mmu-miR-764-3p	1855-1861	7mer-m8	-0.2	93	-0.04	0.113	N/A
mmu-miR-5110	1856-1862	7mer-m8	-0.16	84	-0.03	0	N/A
mmu-miR-7081-5p	1856-1862	7mer-m8	-0.19	81	-0.03	0	N/A
mmu-miR-7086-5p	1857-1863	7mer-m8	-0.18	89	-0.03	0	N/A
mmu-miR-7661-5p	1861-1867	7mer-m8	-0.02	44	0	0	N/A
mmu-miR-539-5p	1863-1869	7mer-1A	-0.01	48	0	0.679	N/A
mmu-miR-706	1863-1869	7mer-1A	-0.01	45	0	0	N/A
mmu-miR-126a-5p	1870-1876	7mer-1A	-0.07	84	-0.01	0.789	N/A
mmu-miR-126b-5p	1872-1878	7mer-1A	-0.01	38	0	0	N/A
mmu-miR-497a-3p	1884-1890	7mer-1A	-0.09	87	-0.02	0	N/A
mmu-miR-489-5p	1889-1895	7mer-1A	-0.17	83	0	0	N/A

Note: miR, microRNA.