

Supplementary Data

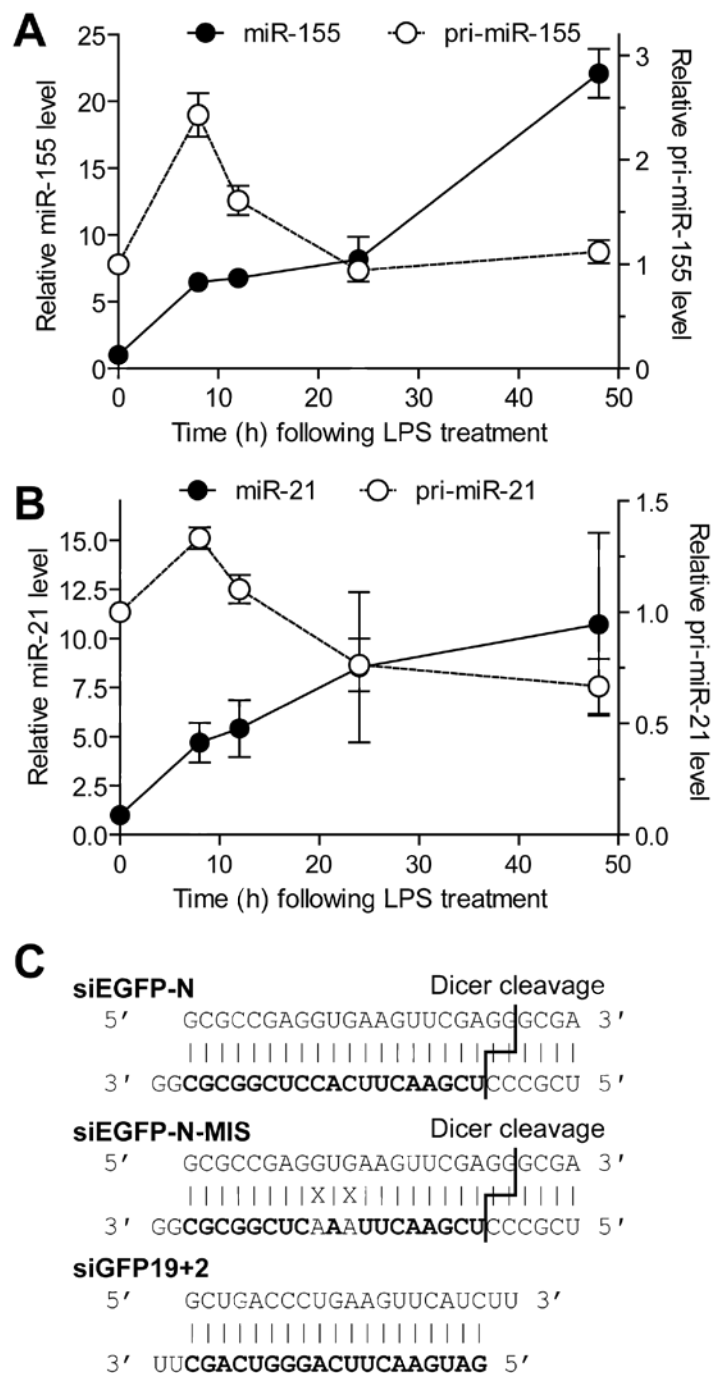


Figure S1

Supplementary Figure S1. Persistence of miR-155 and miR-21 in primary B cells. (**A** and **B**) Primary splenic B cells were stimulated with interleukin-4 and LPS for the indicated amount of time and collected for RNA extraction. Expression levels of pri and mature miRNAs were determined by RT-qPCR, reported to that of the internal control (GAPDH and snoRNA-202, for the pri-miRNA and the mature miRNA, respectively) and are shown relative to the values at the initial time point. The values are averaged from three mice. (**C**) Schematic representation of Dicer1 siRNA substrate/product used in experiments presented in Figure 2B. Dicer1-predicted cleavage is indicated together with the targeting sequence of the guide strand in bold. Mismatches in siEGFP-N-MIS are indicated by X.

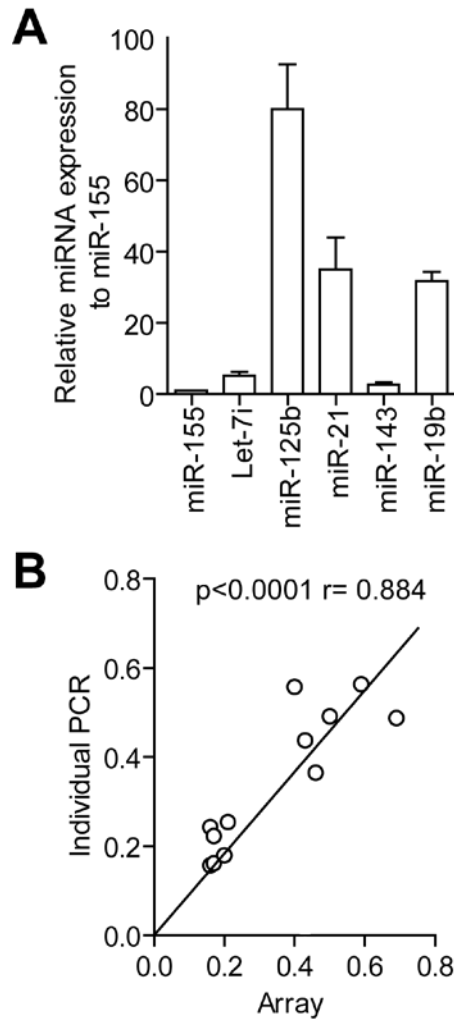


Figure S2

Supplementary Figure S2. Determination of a panel of miRNAs that represents the global miRNA population. **(A)** The snoRNA-202 normalized miRNA levels (e.g. ΔC_q miR-21 = C_q miR-21 - C_q snoRNA202) were further reported to the levels of miR-155 (e.g. $\Delta \Delta C_q = \Delta C_q$ miR-21 - ΔC_q miR-155) and relative abundance of miRNAs to that of miR-155 in MEFs inferred from $2^{(-\Delta \Delta C_q)}$ values. The data are averaged from biological triplicate and are representative of two independent experiments. SEM is shown. **(B)** Individual miRNA levels for the panel of six miRNAs at T=96 and T=120 h (relative to T=72 h) following OHT treatment are correlated between individual Taqman PCR datasets (Individual PCR – from Figure 2D) and low density array data (Array – from Figure 2C).

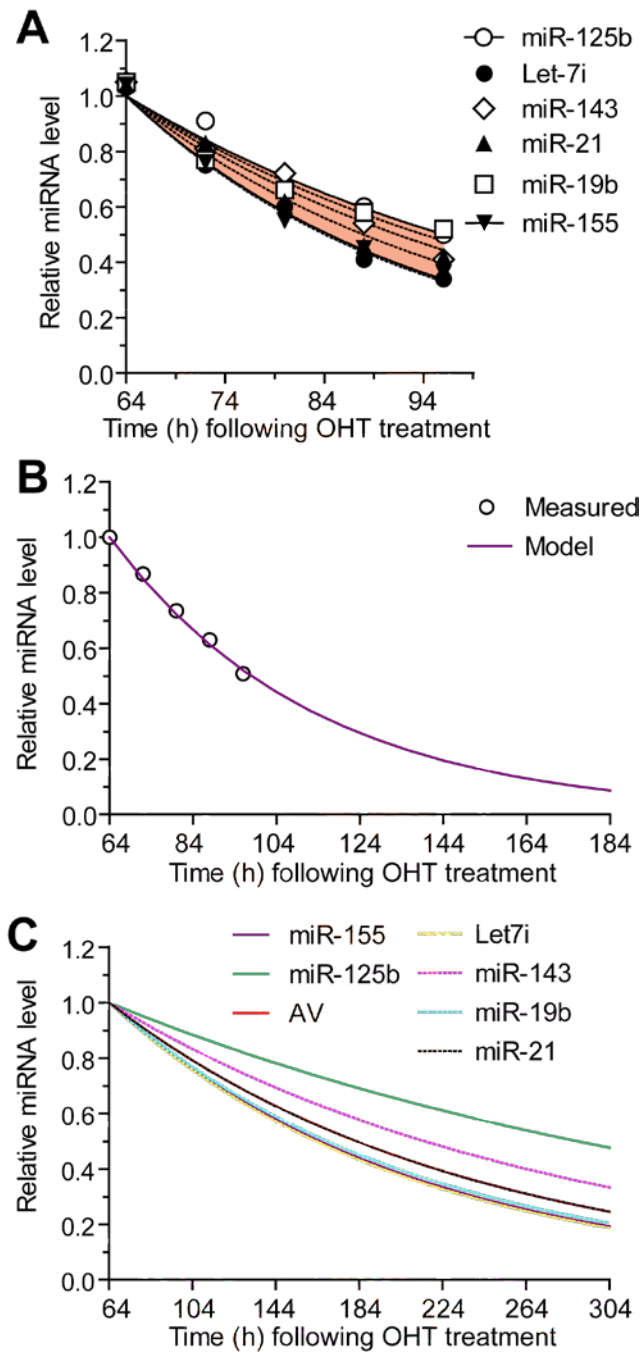


Figure S3

Supplementary Figure S3. Widespread decay of miRNAs in MEF cells. (A) Relative miRNA levels of each individual miRNA experimentally measured and used to determine the average miRNA decrease shown in Figure 3C. Each point is averaged from biological duplicate. (B) Fitted model of miRNA decay solely due to cell division – based on the measurement of cell proliferation shown in Figure 3B (Methods). (C) Individual predicted models of miRNA decay independent of cell division in a 100% recombined cell population. AV is the predicted decay from the average of the six miRNAs shown in Figure 3E.

Supplementary Table S1. Low density miRNA microarray data: identification and analysis of 104 miRNAs consistently decreasing with time.

Supplementary Table S2. Low density miRNA microarray data day 3 and 4: global miRNA expression analysis between day 3 and 4, including miRNAs that potentially rapidly degrade.

Supplementary Table S3. Low density miRNA microarray data day 4 and 5: global miRNA expression analysis between day 4 and 5, including miRNAs that potentially rapidly degrade.

TABLE S1. Low density miRNA microarray data

Detection	miRNA name and reference	Ct values		
		DAY3	DAY4	DAY5
ND	mmu-miR-1-4395333	40	36.99	40
ND	rno-miR-20b-3p-4395753	40	40	32.89
ND	mmu-miR-105-4395595	40	40	33.99
ND	mmu-miR-124-4373295	40	40	33.9
ND	mmu-miR-150-4373127	40	40	36.93
ND	mmu-miR-200c-4395411	40	40	34.99
ND	mmu-miR-215-4373316	40	40	35.97
ND	mmu-miR-294-4373326	40	35.99	35.2
ND	mmu-miR-295-4373327	40	40	35.96
ND	mmu-miR-302a-4378070	40	36.1	40
ND	rno-miR-333-4381109	40	32.69	32.9
ND	rno-miR-336-4381111	40	34.76	40
ND	mmu-miR-344-4373340	40	40	32.13
ND	rno-miR-344-3p-4381112	40	30.96	40
ND	rno-miR-344-5p-4395761	40	40	30.89
ND	mmu-miR-361-4373035	40	40	35.99
ND	mmu-miR-367-4373034	40	40	36.98
ND	mmu-miR-376a-4373347	40	40	35.15
ND	rno-miR-377-4381100	40	11.07	30.35
ND	mmu-miR-380-3p-4373350	40	35.99	40
ND	mmu-miR-381-4373020	40	34.03	30.55
ND	mmu-miR-384-5p-4395732	40	40	35.95
ND	mmu-miR-433-4373205	40	31.38	30.96
ND	rno-miR-466b-4395767	40	29.83	40
ND	mmu-miR-466h-4395646	40	40	27.09
ND	mmu-miR-467d-4395648	40	37.01	35.08
ND	mmu-miR-489-4378114	40	40	33.02
ND	mmu-miR-542-5p-4395693	40	40	34.97
ND	mmu-miR-590-5p-4395176	40	34.14	34.95
ND	mmu-miR-665-4395737	40	30.27	29.34
ND	mmu-miR-666-5p-4386770	40	30.72	28.81
ND	mmu-miR-743b-5p-4395600	40	17.85	33.09
ND	rno-miR-758-4395180	40	32.94	40
ND	rno-miR-878-4395771	40	40	32.25
ND	rno-miR-219-1-3p-4395778	40	34.09	40
ND	rno-miR-381-4381102	40	31.19	40
ND	mmu-miR-468-4373366	40	33.76	31.97
ND	mmu-miR-684-4381083	40	40	36.06
ND	mmu-miR-23a-4373074	40	32	40
ND	mmu-miR-107-4373154	40	40	40
ND	mmu-miR-122-4395356	40	40	40
ND	mmu-miR-133b-4395358	40	40	40
ND	mmu-miR-137-4373301	40	40	40
ND	mmu-miR-139-3p-4395676	40	40	40
ND	mmu-miR-142-3p-4373136	40	40	40
ND	mmu-miR-147-4395373	40	40	40
ND	mmu-miR-153-4373305	40	40	40
ND	mmu-miR-154-4373270	40	40	40
ND	mmu-miR-200a-4378069	40	40	40
ND	mmu-miR-201-4395708	40	40	40
ND	mmu-miR-202-5p-4395709	40	40	40
ND	mmu-miR-205-4373093	40	40	40
ND	mmu-miR-208b-4395401	40	40	40
ND	mmu-miR-216a-4395331	40	40	40
ND	mmu-miR-216b-4395437	40	40	40
ND	mmu-miR-219-4373080	40	40	40
ND	mmu-miR-291a-3p-4395722	40	40	40
ND	mmu-miR-291b-5p-4395667	40	40	40
ND	mmu-miR-292-3p-4395723	40	40	40
ND	mmu-miR-293-4386754	40	40	40
ND	mmu-miR-302c-4395688	40	40	40
ND	mmu-miR-302d-4373063	40	40	40
ND	mmu-miR-325-4395640	40	40	40
ND	mmu-miR-330-4395341	40	40	40
ND	mmu-miR-338-3p-4395363	40	40	40
ND	mmu-miR-346-4373342	40	40	40
ND	rno-miR-349-4381115	40	40	40
ND	mmu-miR-369-3p-4373032	40	40	40
ND	mmu-miR-370-4395386	40	40	40
ND	mmu-miR-377-4373025	40	40	40
ND	mmu-miR-384-3p-4395733	40	40	40
ND	mmu-miR-409-5p-4395442	40	40	40
ND	rno-miR-421-4381122	40	40	40
ND	mmu-miR-423-5p-4395451	40	40	40
ND	mmu-miR-429-4373355	40	40	40

ND	mmu-miR-431-4395173	40	40	40
ND	mmu-miR-448-4373206	40	40	40
ND	mmu-miR-449b-4395669	40	40	40
ND	mmu-miR-450a-5p-4395414	40	40	40
ND	mmu-miR-453-4395614	40	40	40
ND	mmu-miR-465b-5p-4395615	40	40	40
ND	mmu-miR-470-4395718	40	40	40
ND	mmu-miR-493-4395649	40	40	40
ND	mmu-miR-497-4381046	40	40	40
ND	mmu-miR-499-4381047	40	40	40
ND	mmu-miR-501-3p-4381069	40	40	40
ND	mmu-miR-504-4395195	40	40	40
ND	mmu-miR-505-4381071	40	40	40
ND	mmu-miR-509-5p-4395650	40	40	40
ND	mmu-miR-539-4378103	40	40	40
ND	mmu-miR-540-5p-4395691	40	40	40
ND	ath-miR159a-4373390	40	40	40
ND	rno-miR-543-4395766	40	40	40
ND	mmu-miR-551b-4380945	40	40	40
ND	mmu-miR-582-3p-4395697	40	40	40
ND	mmu-miR-598-4395606	40	40	40
ND	rno-miR-598-5p-4395754	40	40	40
ND	mmu-miR-615-3p-4386777	40	40	40
ND	mmu-miR-615-5p-4395464	40	40	40
ND	mmu-miR-654-5p-4395652	40	40	40
ND	mmu-miR-742-4395573	40	40	40
ND	rno-miR-742-4395756	40	40	40
ND	mmu-miR-743b-3p-4395601	40	40	40
ND	rno-miR-760-5p-4395758	40	40	40
ND	mmu-miR-770-3p-4395564	40	40	40
ND	mmu-miR-802-4395566	40	40	40
ND	mmu-miR-871-4395465	40	40	40
ND	rno-miR-871-4395770	40	40	40
ND	mmu-miR-874-4395379	40	40	40
ND	mmu-miR-875-3p-4395677	40	40	40
ND	mmu-miR-876-3p-4395594	40	40	40
ND	mmu-miR-876-5p-4395593	40	40	40
ND	mmu-miR-878-5p-4395670	40	40	40
ND	mmu-miR-879-4395602	40	40	40
ND	mmu-miR-881-4395739	40	40	40
ND	rno-miR-881-4395773	40	40	40
ND	mmu-miR-883a-3p-4395591	40	40	40
ND	mmu-miR-883a-5p-4395741	40	40	40
ND	rno-miR-219-2-3p-4395501	40	40	40
ND	rno-miR-409-5p-4381098	40	40	40
ND	rno-miR-450a-4381124	40	40	40
ND	mmu-miR-452-4373281	40	40	40
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ND	mmu-miR-469-4373367	40	40	40
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ND	mmu-miR-496-4386771	40	40	40
ND	rno-miR-505-4381097	40	40	40
ND	mmu-miR-668-4386767	40	40	40
ND	mmu-miR-670-4395561	40	40	40
ND	mmu-miR-675-5p-4386761	40	40	40
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ND	mmu-miR-679-4381077	40	40	40
ND	mmu-miR-683-4381082	40	40	40
ND	mmu-miR-686-4381085	40	40	40
ND	mmu-miR-129-5p-4373171	40	40	40
ND	mmu-miR-188-3p-4395217	40	40	40
ND	mmu-miR-302b-4378071	40	40	40
ND	mmu-miR-32-4395220	36.99	40	34.23
ND	mmu-miR-337-3p-4395662	36.97	35.72	40
ND	mmu-miR-184-4373113	36.44	40	36.93
ND	rno-miR-673-4395755	36.21	37.19	40
ND	mmu-miR-465a-3p-4395574	36.04	40	35.16
ND	mmu-miR-323-3p-4395338	36.03	40	32.94
ND	mmu-miR-380-5p-4395731	35.96	40	35.76
ND	mmu-miR-434-3p-4395734	35.7	35.96	40
ND	mmu-miR-542-3p-4378101	35.42	40	35.84
ND	mmu-miR-142-5p-4395359	35.22	35.83	40
ND	mmu-miR-672-4395438	35.11	40	37.7
ND	rno-miR-466c-4395768	34.94	32.72	40
ND	mmu-miR-7a-4378130	34.83	34.95	40
ND	mmu-miR-138-4395395	34.58	35.98	40
ND	rno-miR-343-4381123	34.53	40	33.09
ND	mmu-miR-511-4395679	34.46	32.96	40
ND	mmu-miR-297b-5p-4381049	34.04	33.22	40
ND	mmu-miR-220-4395598	34.02	38.06	40

ND	rno-miR-345-3p-4395762	33.94	40	34.72			
ND	mmu-miR-652-4395463	33.75	34	40			
ND	mmu-miR-181c-4373115	33.58	37.02	40			
ND	mmu-miR-449a-4373207	33.5	34.98	40			
ND	mmu-miR-340-5p-4395369	33.21	34.98	40			
ND	mmu-miR-185-4395382	33.18	34.02	40			
ND	mmu-miR-96-4373372	33.11	36.94	40			
ND	mmu-miR-335-3p-4395296	32.77	40	33.98			
ND	mmu-miR-125b-3p-4395489	32.52	40	33.99			
ND	rno-miR-339-3p-4395760	32.49	40	35.95			
ND	mmu-miR-134-4373299	32.28	34.01	40			
ND	mmu-miR-682-4381081	32.05	40	32.81			
ND	mmu-miR-503-4395586	31.99	40	33.97			
ND	mmu-miR-183-4395380	31.96	33.89	40			
ND	mmu-miR-351-4373345	31.89	40	34.24			
ND	mmu-miR-337-5p-4395645	31.84	40	35.28			
ND	mmu-miR-23b-4373073	31.77	33.97	40			
ND	mmu-miR-873-4395467	31.7	40	34.08			
ND	mmu-miR-187-4373307	31.58	33.92	40			
ND	mmu-miR-129-3p-4373297	29.73	40	30.93			
ND	mmu-miR-151-3p-4373304	28.97	31.03	40			
ND	mmu-miR-324-3p-4395639	27.97	40	29.9			
ND	mmu-miR-329-4373336	37.07	40	40			
Rapidly degraded?	mmu-miR-340-3p-4395370	36.96	40	40			
Rapidly degraded?	mmu-miR-200b-4395362	36.07	40	40			
Rapidly degraded?	mmu-miR-10b-4395329	36.01	40	40			
Rapidly degraded?	mmu-miR-148b-4373129	35.99	40	40			
Rapidly degraded?	mmu-miR-345-3p-4395659	35.99	40	40			
Rapidly degraded?	mmu-miR-382-4373019	35.98	40	40			
Rapidly degraded?	mmu-miR-7b-4395685	35.98	40	40			
Rapidly degraded?	mmu-miR-369-5p-4373195	35.97	40	40			
Rapidly degraded?	mmu-miR-543-4395487	35.96	40	40			
Rapidly degraded?	mmu-miR-451-4373360	35.96	40	40			
Rapidly degraded?	mmu-miR-18b-4395596	35.71	40	40			
Rapidly degraded?	mmu-miR-345-5p-4395658	35.16	40	40			
Rapidly degraded?	mmu-miR-133a-4395357	35.01	40	40			
Rapidly degraded?	mmu-miR-540-3p-4378119	34.99	40	40			
Rapidly degraded?	mmu-miR-582-5p-4395696	34.98	40	40			
Rapidly degraded?	mmu-miR-434-5p-4395711	34.98	40	40			
Rapidly degraded?	mmu-miR-217-4395686	34.55	40	40			
Rapidly degraded?	mmu-miR-455-4395585	34.09	40	40			
Rapidly degraded?	mmu-miR-342-5p-4395657	34.02	40	40			
Rapidly degraded?	mmu-miR-296-3p-4395212	34.02	40	40			
Rapidly degraded?	mmu-miR-211-4373315	33.03	40	40			
Rapidly degraded?	mmu-miR-199a-5p-4373272	33	40	40			
Rapidly degraded?	mmu-miR-467c-4395647	32.99	40	40			
Rapidly degraded?	mmu-miR-547-4395694	31.7	40	40			
Rapidly degraded?	mmu-miR-298-4395728	30.08	40	40			
Rapidly degraded?	mmu-miR-490-4373215	29.9	40	40			
Rapidly degraded?	mmu-miR-290-3p-4395721	13.67	40	40			
Housekeeping	MammU6-4395470	18.56	18.75	18			
Housekeeping	MammU6-4395470	18.56	18.75	18			
Housekeeping	MammU6-4395470	18.56	18.75	18	2^(DDCt) using U6 as control		
Housekeeping	MammU6-4395470	18.56	18.75	18	DAY3	DAY4	DAY5
unconclusive	mmu-miR-103-4373158	32.66	33.94	33	1	0.469	0.534
unconclusive	mmu-miR-125a-3p-4395310	31.34	34.82	32.26	1	0.102	0.357
unconclusive	mmu-miR-146a-4373132	31.49	32.96	32.09	1	0.411	0.445
unconclusive	mmu-miR-152-4395170	31.9	33.95	32.97	1	0.276	0.322
unconclusive	mmu-miR-15a-4373123	31	34.73	33.77	1	0.086	0.1
unconclusive	mmu-miR-190-4373110	30.96	34.87	31.93	1	0.076	0.344
unconclusive	mmu-miR-194-4373106	29.7	33.07	30.35	1	0.11	0.43
unconclusive	mmu-miR-208-4373091	28.68	29.94	28.68	1	0.475	0.674
unconclusive	mmu-miR-224-4395683	34.96	36.91	35.29	1	0.296	0.538
unconclusive	mmu-miR-335-5p-4373045	31.93	36.94	32.18	1	0.035	0.568
unconclusive	mmu-miR-339-3p-4395663	31.5	32.99	32	1	0.405	0.478
unconclusive	mmu-miR-34a-4395168	28.87	30.93	29.99	1	0.272	0.311
unconclusive	mmu-miR-34c-4373036	30.41	36.91	33.86	1	0.013	0.062
unconclusive	mmu-miR-375-4373027	34.05	35.94	34.79	1	0.308	0.406
unconclusive	mmu-miR-376c-4395580	32.49	35.97	33.27	1	0.102	0.395
unconclusive	mmu-miR-486-4378096	29.04	30.93	30.12	1	0.307	0.321
unconclusive	mmu-miR-494-4395476	32.25	32.98	32.18	1	0.687	0.711
unconclusive	mmu-miR-139-5p-4395400	35.94	38.42	32.34	1	0.204	8.219
unconclusive	mmu-miR-204-4373094	32.91	34.22	31.88	1	0.458	1.383
unconclusive	mmu-miR-675-3p-4386762	29.91	31.4	5.569	1	0.405	1E+07
unconclusive	mmu-miR-128a-4395327	35.06	33.91	35.99	1	2.531	0.356
unconclusive	mmu-miR-141-4373137	35.97	34.78	36.26	1	2.611	0.557
unconclusive	mmu-miR-148a-4373130	33.98	33.45	33.8	1	1.644	0.766
unconclusive	mmu-miR-192-4373108	33.32	32.72	32.96	1	1.73	0.867
unconclusive	mmu-miR-197-4373102	32.57	31.83	32.98	1	1.912	0.512
unconclusive	mmu-miR-223-4395406	33.97	32.74	34.32	1	2.658	0.529

unconclusive	mmu-miR-25-4373071	31.73	31.72	32.94	1	1.148	0.293
unconclusive	mmu-miR-27b-4373068	32.63	31.95	32.58	1	1.827	0.7
unconclusive	mmu-miR-297c-4395610	29.11	28.18	29.84	1	2.166	0.408
unconclusive	mmu-miR-331-5p-4395344	35.84	34	36.36	1	4.055	0.471
unconclusive	mmu-miR-350-4395660	34.69	33.46	35	1	2.675	0.544
unconclusive	mmu-miR-376b-4395582	34.98	34.52	35.77	1	1.575	0.393
unconclusive	mmu-miR-495-4381078	32.34	32.09	32.82	1	1.36	0.488
unconclusive	mmu-miR-500-4395736	33.25	33.03	35.34	1	1.324	0.159
unconclusive	mmu-miR-546-4381044	30.88	29.84	30.93	1	2.332	0.652
unconclusive	mmu-miR-708-4395452	32.41	31.96	35.97	1	1.545	0.057
unconclusive	mmu-miR-741-4395587	33.28	32.68	33.69	1	1.716	0.507
unconclusive	mmu-miR-743a-4395599	29.68	29.67	29.9	1	1.142	0.581
unconclusive - not miRNA?	mmu-miR-202-3p-4373311	32.02	31.35	30.59	1	1.82	1.826
unconclusive - not miRNA?	mmu-miR-362-3p-4395746	36.85	36.98	32.75	1	1.043	11.66
unconclusive - not miRNA?	mmu-miR-450b-5p-4386779	33	32.57	30.99	1	1.534	2.72
unconclusive - not miRNA?	mmu-miR-680-4381079	29.99	29.52	28.67	1	1.568	1.683
unconclusive - not miRNA?	mmu-miR-410-4378093	36.89	32.08	34.63	1	31.93	3.253
unconclusive - not miRNA?	mmu-miR-509-3p-4395651	36.01	33.6	35.1	1	6.05	1.27
unconclusive - not miRNA?	mmu-miR-98-4373009	35.99	34.12	34.83	1	4.168	1.509
unconclusive - not miRNA?	mmu-miR-487b-4378102	35.98	34.52	34.5	1	3.119	1.89
unconclusive - not miRNA?	mmu-miR-363-4378090	35.91	33.59	35.16	1	5.678	1.138
unconclusive - not miRNA?	mmu-miR-544-4395680	35.18	34.04	33.93	1	2.511	1.612
unconclusive - not miRNA?	mmu-miR-383-4381093	34.88	32.32	33.89	1	6.682	1.346
unconclusive - not miRNA?	mmu-miR-685-4386748	32.04	29.56	30.42	1	6.356	2.083
unconclusive - not miRNA?	mmu-miR-491-4381053	31.96	30.38	31.33	1	3.411	1.044
unconclusive - not miRNA?	mmu-miR-465a-5p-4373363	31.72	31.03	31.12	1	1.839	1.022
unconclusive - not miRNA?	mmu-miR-667-4386769	29.96	29.34	28.96	1	1.759	1.354
unconclusive - not miRNA?	mmu-miR-207-4373314	29.55	28.11	27.46	1	3.096	2.886
unconclusive - not miRNA?	mmu-miR-687-4386750	28.58	27.83	27.67	1	1.909	1.267
Significantly expressed	mmu-let-7a-4373169	31.49	34	35.16	1	0.2	0.053
Significantly expressed	mmu-let-7b-4373168	32.56	32.97	35.93	1	0.857	0.066
Significantly expressed	mmu-let-7c-4373167	30.77	31.53	32.95	1	0.675	0.15
Significantly expressed	mmu-let-7d-4395394	31.18	32.52	33.98	1	0.448	0.097
Significantly expressed	mmu-let-7e-4395517	29.36	30.98	31.75	1	0.37	0.129
Significantly expressed	mmu-let-7f-4373164	31.08	32.44	33.97	1	0.445	0.091
Significantly expressed	mmu-let-7g-4395393	29.88	30.98	31.93	1	0.533	0.163
Significantly expressed	mmu-let-7i-4395332	30.17	30.89	31.97	1	0.694	0.195
Significantly expressed	mmu-miR-100-4373160	30.39	31.06	31.98	1	0.718	0.225
Significantly expressed	mmu-miR-101a-4395364	32.67	35.61	35.97	1	0.148	0.068
Significantly expressed	mmu-miR-106a-4395589	25.62	27.18	27.95	1	0.386	0.135
Significantly expressed	mmu-miR-106b-4373155	31.41	31.95	33.25	1	0.78	0.189
Significantly expressed	mmu-miR-10a-4373153	31.12	34.2	36.92	1	0.134	0.012
Significantly expressed	mmu-miR-125a-5p-4395309	26.38	27.96	28.26	1	0.382	0.184
Significantly expressed	mmu-miR-125b-5p-4373148	25.95	27.45	27.98	1	0.403	0.167
Significantly expressed	mmu-miR-126-3p-4395339	30.26	31.96	32.93	1	0.349	0.106
Significantly expressed	mmu-miR-126-5p-4373269	32.75	32.96	34.9	1	0.982	0.152

Significantly expressed	mmu-miR-127-4373147	29.79	31.85	31.19	1	0.271	0.255
Significantly expressed	mmu-miR-130a-4373145	31.32	32.98	32.35	1	0.359	0.33
Significantly expressed	mmu-miR-130b-4373144	29.74	30.93	36.07	1	0.499	0.008
Significantly expressed	mmu-miR-132-4373143	28	29.52	30.01	1	0.397	0.169
Significantly expressed	mmu-miR-135a-4373140	32.48	33.37	36.99	1	0.614	0.03
Significantly expressed	mmu-miR-135b-4395372	32.61	33.73	34.03	1	0.525	0.252
Significantly expressed	mmu-miR-136-4395641	32.74	33.75	36.97	1	0.564	0.036
Significantly expressed	mmu-miR-140-4373374	28.94	29.76	30.75	1	0.644	0.193
Significantly expressed	mmu-miR-143-4395360	30	31.39	31.96	1	0.432	0.173
Significantly expressed	mmu-miR-145-4395389	26.97	28.61	29.68	1	0.366	0.104
Significantly expressed	mmu-miR-146b-4373178	31.26	32.56	34.99	1	0.465	0.051
Significantly expressed	mmu-miR-155-4395701	28.6	29.93	30.67	1	0.456	0.162
Significantly expressed	mmu-miR-15b-4373122	28.66	29.96	30.46	1	0.464	0.194
Significantly expressed	mmu-miR-16-4373121	24.06	25.36	25.95	1	0.463	0.182
Significantly expressed	mmu-miR-17-4395419	25.29	26.94	27.54	1	0.363	0.142
Significantly expressed	mmu-miR-181a-4373117	34.65	34.97	34.42	1	0.914	0.794
Significantly expressed	mmu-miR-182-4395729	29.14	30.74	30.97	1	0.375	0.19
Significantly expressed	mmu-miR-186-4395396	28.46	29.4	29.94	1	0.594	0.243
Significantly expressed	mmu-miR-188-5p-4395431	32.92	33.98	33.62	1	0.546	0.417
Significantly expressed	mmu-miR-18a-4395533	32.98	33.9	33.96	1	0.603	0.342
Significantly expressed	mmu-miR-191-4395410	25.96	27.31	27.91	1	0.447	0.176
Significantly expressed	mmu-miR-193-4395361	31.96	32.96	33.87	1	0.572	0.181
Significantly expressed	mmu-miR-193b-4395597	28.24	29.89	29.98	1	0.361	0.203
Significantly expressed	mmu-miR-195-4373105	29.41	30.96	31.38	1	0.388	0.172
Significantly expressed	mmu-miR-196b-4395326	30.73	31.97	32.9	1	0.48	0.15
Significantly expressed	mmu-miR-199a-3p-4395415	27.3	28.73	29.97	1	0.421	0.106
Significantly expressed	mmu-miR-19a-4373099	26.56	27.98	28.55	1	0.427	0.171
Significantly expressed	mmu-miR-19b-4373098	23.29	24.49	24.97	1	0.496	0.212
Significantly expressed	mmu-miR-203-4373095	32.72	33.94	33.97	1	0.487	0.284
Significantly expressed	mmu-miR-20a-4373286	26.23	27.95	28.66	1	0.345	0.125
Significantly expressed	mmu-miR-20b-4373263	31.86	34.53	34.97	1	0.178	0.078
Significantly expressed	mmu-miR-210-4373089	27.77	29.15	30	1	0.437	0.144
Significantly expressed	mmu-miR-21-4373090	26.92	27.87	28.98	1	0.591	0.162
Significantly expressed	mmu-miR-214-4395417	27.83	29.24	30.97	1	0.427	0.077
Significantly expressed	mmu-miR-218-4373081	29.31	30.93	31.95	1	0.369	0.108
Significantly expressed	mmu-miR-221-4373077	27.74	31.03	30.62	1	0.117	0.092
Significantly expressed	mmu-miR-222-4395387	25.57	26.42	26.93	1	0.63	0.265
Significantly expressed	mmu-miR-24-4373072	24.11	25.45	25.97	1	0.449	0.186
Significantly expressed	mmu-miR-26a-4395166	28.16	29.34	29.97	1	0.501	0.192
Significantly expressed	mmu-miR-26b-4395167	28.88	29.97	30.53	1	0.536	0.215

Significantly expressed	mmu-miR-27a-4373287	30.93	31.89	31.94	1	0.588	0.336
Significantly expressed	mmu-miR-28-4373067	30.62	31.93	32.58	1	0.459	0.175
Significantly expressed	mmu-miR-296-5p-4373066	29.93	30.74	30.98	1	0.65	0.327
Significantly expressed	mmu-miR-29a-4395223	24.14	25.41	25.92	1	0.472	0.198
Significantly expressed	mmu-miR-29b-4373288	33.29	33.96	34.61	1	0.717	0.271
Significantly expressed	mmu-miR-29c-4395171	27.42	28.97	29.38	1	0.388	0.174
Significantly expressed	mmu-miR-301a-4373064	30.95	31.49	33.58	1	0.783	0.109
Significantly expressed	mmu-miR-301b-4395730	31.31	32.01	33.97	1	0.7	0.107
Significantly expressed	mmu-miR-30a-4373061	30.81	31.93	32.72	1	0.523	0.18
Significantly expressed	mmu-miR-30b-4373290	28.7	29.97	30.7	1	0.475	0.17
Significantly expressed	mmu-miR-30c-4373060	28.93	29.79	30.96	1	0.629	0.166
Significantly expressed	mmu-miR-30d-4373059	31.96	32.89	33.07	1	0.597	0.314
Significantly expressed	mmu-miR-30e-4395334	28.91	30.35	30.52	1	0.421	0.222
Significantly expressed	mmu-miR-31-4373331	24.8	25.73	25.96	1	0.599	0.304
Significantly expressed	mmu-miR-320-4395388	29.96	30.75	31.43	1	0.658	0.244
Significantly expressed	mmu-miR-322-4378107	31.67	32.68	35.99	1	0.562	0.034
Significantly expressed	mmu-miR-324-5p-4373052	35.15	35.94	36.5	1	0.662	0.267
Significantly expressed	mmu-miR-328-4373049	30.97	31.26	32.69	1	0.929	0.205
Significantly expressed	mmu-miR-331-3p-4373046	30.09	31.46	31.98	1	0.44	0.182
Significantly expressed	mmu-miR-339-5p-4395368	31.62	32.71	35.03	1	0.535	0.064
Significantly expressed	mmu-miR-342-3p-4395371	29.97	31.63	31.75	1	0.359	0.197
Significantly expressed	mmu-miR-34b-3p-4395748	28.7	29.65	29.96	1	0.589	0.282
Significantly expressed	mmu-miR-365-4373194	30	31.94	32.05	1	0.296	0.163
Significantly expressed	mmu-miR-379-4373349	30.37	31.05	34.03	1	0.712	0.054
Significantly expressed	mmu-miR-409-3p-4395443	31.13	32.35	36.06	1	0.489	0.022
Significantly expressed	mmu-miR-411-4381013	32.44	33.67	33.98	1	0.488	0.234
Significantly expressed	mmu-miR-425-4380926	28.54	29.46	29.97	1	0.599	0.251
Significantly expressed	mmu-miR-467a-4395717	31.68	33.5	35.97	1	0.322	0.034
Significantly expressed	mmu-miR-467b-4381084	30.2	31.49	32	1	0.464	0.194
Significantly expressed	mmu-miR-467e-4395698	30.32	32.02	31.68	1	0.35	0.263
Significantly expressed	mmu-miR-484-4381032	25.1	26.33	26.95	1	0.486	0.188
Significantly expressed	mmu-miR-532-3p-4395466	30.97	34.62	34.72	1	0.091	0.05
Significantly expressed	mmu-miR-532-5p-4380928	30.55	32.36	32.97	1	0.324	0.126
Significantly expressed	mmu-miR-574-3p-4395460	27.62	28.68	28.98	1	0.549	0.264
Significantly expressed	mmu-miR-654-3p-4395350	33.19	34.1	33.77	1	0.607	0.453
Significantly expressed	mmu-miR-669a-4381091	30.58	31.15	32.43	1	0.766	0.187
Significantly expressed	mmu-miR-671-3p-4395433	33	34.94	35.97	1	0.297	0.087
Significantly expressed	mmu-miR-674-4395193	29.26	30.12	32.02	1	0.627	0.1
Significantly expressed	mmu-miR-676-4386776	29.51	31.12	31.96	1	0.373	0.124
Significantly expressed	mmu-miR-744-4395435	31.2	32.62	35.99	1	0.426	0.024

Significantly expressed	mmu-miR-872-4395375	31.81	32.95	34.96	1	0.515	0.076
Significantly expressed	mmu-miR-883b-3p-4395695	32.43	33.17	33.12	1	0.683	0.418
Significantly expressed	mmu-miR-92a-4373013	26.94	28.54	28.55	1	0.375	0.221
Significantly expressed	mmu-miR-93-4373302	28.95	30.72	31.61	1	0.336	0.107
Significantly expressed	mmu-miR-9-4373285	30.69	31.97	32.32	1	0.47	0.218
Significantly expressed	mmu-miR-99a-4373008	29.98	31.5	32.22	1	0.399	0.143
Significantly expressed	mmu-miR-99b-4373007	29	29.73	30.77	1	0.686	0.197
Rat	rno-miR-1-4395765	33.99	32.49	33.83			
Rat	rno-miR-17-3p-4395779	36.67	35.93	34.52	1	0.496	0.178 Averages
Rat	rno-miR-190b-4395749	32.35	38.43	36.91	1	0.168	0.109 Standard Deviations
Rat	rno-miR-196c-4395750	32.2	33.41	35.98			
Rat	rno-miR-207-4381096	28.94	28.87	28.68	104 Total miRNAs day 3 > day 4 > day 5		
Rat	rno-miR-224-4373187	34.62	34.95	34.19			
Rat	rno-miR-327-4381108	32.63	33.2	32.97			
Rat	rno-miR-346-4381113	28.99	28.49	29.08			
Rat	rno-miR-347-4381114	28.8	28.92	28.62			
Rat	rno-miR-351-4395764	32.92	33.06	35.98			
Rat	rno-miR-532-5p-4395752	30.92	32.86	34.97			
Rat	rno-miR-743b-4395769	33.03	32.12	32			
Housekeeping	snoRNA135-4380912	25.96	26.41	25.96			
Housekeeping	snoRNA202-4380914	22.96	23.41	22.45			
Housekeeping	U87-4386735	28.68	28.96	28.41			
Housekeeping	Y1-4386739	29.96	30.27	29.69			

Table S2. Low density miRNA microarray data day 3 and 4

Detection on day 3	miRNA name and reference	Ct values	
		DAY3	DAY4
ND on day 3	mmu-miR-1-4395333	40.00	36.99
ND on day 3	rno-miR-20b-3p-4395753	40.00	40.00
ND on day 3	mmu-miR-105-4395595	40.00	40.00
ND on day 3	mmu-miR-107-4373154	40.00	40.00
ND on day 3	mmu-miR-122-4395356	40.00	40.00
ND on day 3	mmu-miR-124-4373295	40.00	40.00
ND on day 3	mmu-miR-133b-4395358	40.00	40.00
ND on day 3	mmu-miR-137-4373301	40.00	40.00
ND on day 3	mmu-miR-139-3p-4395676	40.00	40.00
ND on day 3	mmu-miR-142-3p-4373136	40.00	40.00
ND on day 3	mmu-miR-147-4395373	40.00	40.00
ND on day 3	mmu-miR-150-4373127	40.00	40.00
ND on day 3	mmu-miR-153-4373305	40.00	40.00
ND on day 3	mmu-miR-154-4373270	40.00	40.00
ND on day 3	mmu-miR-200a-4378069	40.00	40.00
ND on day 3	mmu-miR-200c-4395411	40.00	40.00
ND on day 3	mmu-miR-201-4395708	40.00	40.00
ND on day 3	mmu-miR-202-5p-4395709	40.00	40.00
ND on day 3	mmu-miR-205-4373093	40.00	40.00
ND on day 3	mmu-miR-208b-4395401	40.00	40.00
ND on day 3	mmu-miR-215-4373316	40.00	40.00
ND on day 3	mmu-miR-216a-4395331	40.00	40.00
ND on day 3	mmu-miR-216b-4395437	40.00	40.00
ND on day 3	mmu-miR-219-4373080	40.00	40.00
ND on day 3	mmu-miR-291a-3p-4395722	40.00	40.00
ND on day 3	mmu-miR-291b-5p-4395667	40.00	40.00
ND on day 3	mmu-miR-292-3p-4395723	40.00	40.00
ND on day 3	mmu-miR-293-4386754	40.00	40.00
ND on day 3	mmu-miR-294-4373326	40.00	35.99
ND on day 3	mmu-miR-295-4373327	40.00	40.00
ND on day 3	mmu-miR-302a-4378070	40.00	36.10
ND on day 3	mmu-miR-302c-4395688	40.00	40.00
ND on day 3	mmu-miR-302d-4373063	40.00	40.00
ND on day 3	mmu-miR-325-4395640	40.00	40.00
ND on day 3	mmu-miR-330-4395341	40.00	40.00
ND on day 3	rno-miR-333-4381109	40.00	32.69
ND on day 3	rno-miR-336-4381111	40.00	34.76
ND on day 3	mmu-miR-338-3p-4395363	40.00	40.00
ND on day 3	mmu-miR-344-4373340	40.00	40.00
ND on day 3	rno-miR-344-3p-4381112	40.00	30.96
ND on day 3	rno-miR-344-5p-4395761	40.00	40.00
ND on day 3	mmu-miR-346-4373342	40.00	40.00
ND on day 3	rno-miR-349-4381115	40.00	40.00
ND on day 3	mmu-miR-361-4373035	40.00	40.00
ND on day 3	mmu-miR-367-4373034	40.00	40.00
ND on day 3	mmu-miR-369-3p-4373032	40.00	40.00
ND on day 3	mmu-miR-370-4395386	40.00	40.00
ND on day 3	mmu-miR-376a-4373347	40.00	40.00
ND on day 3	mmu-miR-377-4373025	40.00	40.00
ND on day 3	rno-miR-377-4381100	40.00	11.07
ND on day 3	mmu-miR-380-3p-4373350	40.00	35.99
ND on day 3	mmu-miR-381-4373020	40.00	34.03
ND on day 3	mmu-miR-384-3p-4395733	40.00	40.00
ND on day 3	mmu-miR-384-5p-4395732	40.00	40.00
ND on day 3	mmu-miR-409-5p-4395442	40.00	40.00
ND on day 3	rno-miR-421-4381122	40.00	40.00
ND on day 3	mmu-miR-423-5p-4395451	40.00	40.00
ND on day 3	mmu-miR-429-4373355	40.00	40.00
ND on day 3	mmu-miR-431-4395173	40.00	40.00
ND on day 3	mmu-miR-433-4373205	40.00	31.38
ND on day 3	mmu-miR-448-4373206	40.00	40.00
ND on day 3	mmu-miR-449b-4395669	40.00	40.00
ND on day 3	mmu-miR-450a-5p-4395414	40.00	40.00
ND on day 3	mmu-miR-453-4395614	40.00	40.00
ND on day 3	mmu-miR-465b-5p-4395615	40.00	40.00
ND on day 3	rno-miR-466b-4395767	40.00	29.83
ND on day 3	mmu-miR-466h-4395646	40.00	40.00
ND on day 3	mmu-miR-467d-4395648	40.00	37.01
ND on day 3	mmu-miR-470-4395718	40.00	40.00
ND on day 3	mmu-miR-489-4378114	40.00	40.00
ND on day 3	mmu-miR-493-4395649	40.00	40.00
ND on day 3	mmu-miR-497-4381046	40.00	40.00
ND on day 3	mmu-miR-499-4381047	40.00	40.00
ND on day 3	mmu-miR-501-3p-4381069	40.00	40.00
ND on day 3	mmu-miR-504-4395195	40.00	40.00
ND on day 3	mmu-miR-505-4381071	40.00	40.00
ND on day 3	mmu-miR-509-5p-4395650	40.00	40.00
ND on day 3	mmu-miR-539-4378103	40.00	40.00
ND on day 3	mmu-miR-540-5p-4395691	40.00	40.00

ND on day 3	ath-miR159a-4373390	40.00	40.00		
ND on day 3	mmu-miR-542-5p-4395693	40.00	40.00		
ND on day 3	rno-miR-543-4395766	40.00	40.00		
ND on day 3	mmu-miR-551b-4380945	40.00	40.00		
ND on day 3	mmu-miR-582-3p-4395697	40.00	40.00		
ND on day 3	mmu-miR-590-5p-4395176	40.00	34.14		
ND on day 3	mmu-miR-598-4395606	40.00	40.00		
ND on day 3	rno-miR-598-5p-4395754	40.00	40.00		
ND on day 3	mmu-miR-615-3p-4386777	40.00	40.00		
ND on day 3	mmu-miR-615-5p-4395464	40.00	40.00		
ND on day 3	mmu-miR-654-5p-4395652	40.00	40.00		
ND on day 3	mmu-miR-665-4395737	40.00	30.27		
ND on day 3	mmu-miR-666-5p-4386770	40.00	30.72		
ND on day 3	mmu-miR-742-4395573	40.00	40.00		
ND on day 3	rno-miR-742-4395756	40.00	40.00		
ND on day 3	mmu-miR-743b-3p-4395601	40.00	40.00		
ND on day 3	mmu-miR-743b-5p-4395600	40.00	17.85		
ND on day 3	rno-miR-758-4395180	40.00	32.94		
ND on day 3	rno-miR-760-5p-4395758	40.00	40.00		
ND on day 3	mmu-miR-770-3p-4395564	40.00	40.00		
ND on day 3	mmu-miR-802-4395566	40.00	40.00		
ND on day 3	mmu-miR-871-4395465	40.00	40.00		
ND on day 3	rno-miR-871-4395770	40.00	40.00		
ND on day 3	mmu-miR-874-4395379	40.00	40.00		
ND on day 3	mmu-miR-875-3p-4395677	40.00	40.00		
ND on day 3	mmu-miR-876-3p-4395594	40.00	40.00		
ND on day 3	mmu-miR-876-5p-4395593	40.00	40.00		
ND on day 3	rno-miR-878-4395771	40.00	40.00		
ND on day 3	mmu-miR-878-5p-4395670	40.00	40.00		
ND on day 3	mmu-miR-879-4395602	40.00	40.00		
ND on day 3	mmu-miR-881-4395739	40.00	40.00		
ND on day 3	rno-miR-881-4395773	40.00	40.00		
ND on day 3	mmu-miR-883a-3p-4395591	40.00	40.00		
ND on day 3	mmu-miR-883a-5p-4395741	40.00	40.00		
ND on day 3	rno-miR-219-1-3p-4395778	40.00	34.09		
ND on day 3	rno-miR-219-2-3p-4395501	40.00	40.00		
ND on day 3	rno-miR-381-4381102	40.00	31.19		
ND on day 3	rno-miR-409-5p-4381098	40.00	40.00		
ND on day 3	rno-miR-450a-4381124	40.00	40.00		
ND on day 3	mmu-miR-452-4373281	40.00	40.00		
ND on day 3	mmu-miR-464-4373362	40.00	40.00		
ND on day 3	mmu-miR-468-4373366	40.00	33.76		
ND on day 3	mmu-miR-469-4373367	40.00	40.00		
ND on day 3	mmu-miR-488-4381074	40.00	40.00		
ND on day 3	mmu-miR-496-4386771	40.00	40.00		
ND on day 3	rno-miR-505-4381097	40.00	40.00		
ND on day 3	mmu-miR-668-4386767	40.00	40.00		
ND on day 3	mmu-miR-670-4395561	40.00	40.00		
ND on day 3	mmu-miR-675-5p-4386761	40.00	40.00		
ND on day 3	mmu-miR-677-4381075	40.00	40.00		
ND on day 3	mmu-miR-679-4381077	40.00	40.00		
ND on day 3	mmu-miR-683-4381082	40.00	40.00		
ND on day 3	mmu-miR-684-4381083	40.00	40.00		
ND on day 3	mmu-miR-686-4381085	40.00	40.00		
ND on day 3	mmu-miR-23a-4373074	40.00	32.00		
ND on day 3	mmu-miR-129-5p-4373171	40.00	40.00		
ND on day 3	mmu-miR-188-3p-4395217	40.00	40.00		
ND on day 3	mmu-miR-302b-4378071	40.00	40.00		
unconclusive	mmu-miR-337-3p-4395662	36.97	35.72	1	2.71
unconclusive	mmu-miR-7a-4378130	34.83	34.95	1	1.04
unconclusive	mmu-miR-297b-5p-4381049	34.04	33.22	1	2.01
unconclusive	mmu-miR-511-4395679	34.46	32.96	1	3.22
unconclusive	rno-miR-466c-4395768	34.94	32.72	1	5.30
unconclusive	mmu-miR-202-3p-4373311	32.02	31.35	1	1.82
unconclusive	mmu-miR-362-3p-4395746	36.85	36.98	1	1.04
unconclusive	mmu-miR-450b-5p-4386779	33.00	32.57	1	1.53
unconclusive	mmu-miR-680-4381079	29.99	29.52	1	1.57
unconclusive	rno-miR-17-3p-4395779	36.67	35.93	1	1.90
unconclusive	mmu-miR-128a-4395327	35.06	33.91	1	2.53
unconclusive	mmu-miR-141-4373137	35.97	34.78	1	2.61
unconclusive	mmu-miR-148a-4373130	33.98	33.45	1	1.64
unconclusive	mmu-miR-192-4373108	33.32	32.72	1	1.73
unconclusive	mmu-miR-197-4373102	32.57	31.83	1	1.91
unconclusive	mmu-miR-223-4395406	33.97	32.74	1	2.66
unconclusive	mmu-miR-25-4373071	31.73	31.72	1	1.15
unconclusive	mmu-miR-27b-4373068	32.63	31.95	1	1.83
unconclusive	mmu-miR-297c-4395610	29.11	28.18	1	2.17
unconclusive	mmu-miR-331-5p-4395344	35.84	34.00	1	4.06
unconclusive	mmu-miR-350-4395660	34.69	33.46	1	2.68
unconclusive	mmu-miR-376b-4395582	34.98	34.52	1	1.57
unconclusive	mmu-miR-495-4381078	32.34	32.09	1	1.36
unconclusive	mmu-miR-500-4395736	33.25	33.03	1	1.32
unconclusive	mmu-miR-546-4381044	30.88	29.84	1	2.33
unconclusive	mmu-miR-708-4395452	32.41	31.96	1	1.54
unconclusive	mmu-miR-741-4395587	33.28	32.68	1	1.72

2^{^-}(DDCt) using U6 as control
DAY3 DAY4

unconclusive	mmu-miR-743a-4395599	29.68	29.67	1	1.14
unconclusive	mmu-miR-410-4378093	36.89	32.08	1	31.93
unconclusive	mmu-miR-509-3p-4395651	36.01	33.60	1	6.05
unconclusive	mmu-miR-98-4373009	35.99	34.12	1	4.17
unconclusive	mmu-miR-487b-4378102	35.98	34.52	1	3.12
unconclusive	mmu-miR-363-4378090	35.91	33.59	1	5.68
unconclusive	mmu-miR-544-4395680	35.18	34.04	1	2.51
unconclusive	mmu-miR-383-4381093	34.88	32.32	1	6.68
unconclusive	mmu-miR-685-4386748	32.04	29.56	1	6.36
unconclusive	mmu-miR-491-4381053	31.96	30.38	1	3.41
unconclusive	mmu-miR-465a-5p-4373363	31.72	31.03	1	1.84
unconclusive	mmu-miR-667-4386769	29.96	29.34	1	1.76
unconclusive	mmu-miR-207-4373314	29.55	28.11	1	3.10
unconclusive	mmu-miR-687-4386750	28.58	27.83	1	1.91
rat	rno-miR-1-4395765	33.99	32.49	1	3.21
rat	rno-miR-207-4381096	28.94	28.87	1	1.19
rat	rno-miR-346-4381113	28.99	28.49	1	1.61
rat	rno-miR-347-4381114	28.80	28.92	1	1.04
rat	rno-miR-351-4395764	32.92	33.06	1	1.04
rat	rno-miR-743b-4395769	33.03	32.12	1	2.14

Significantly expressed	mmu-let-7a-4373169	31.49	34.00	1	0.20
Significantly expressed	mmu-let-7b-4373168	32.56	32.97	1	0.86
Significantly expressed	mmu-let-7c-4373167	30.77	31.53	1	0.68
Significantly expressed	mmu-let-7d-4395394	31.18	32.52	1	0.45
Significantly expressed	mmu-let-7e-4395517	29.36	30.98	1	0.37
Significantly expressed	mmu-let-7f-4373164	31.08	32.44	1	0.45
Significantly expressed	mmu-let-7g-4395393	29.88	30.98	1	0.53
Significantly expressed	mmu-let-7i-4395332	30.17	30.89	1	0.69
Significantly expressed	mmu-miR-100-4373160	30.39	31.06	1	0.72
Significantly expressed	mmu-miR-101a-4395364	32.67	35.61	1	0.15
Significantly expressed	mmu-miR-103-4373158	32.66	33.94	1	0.47
Significantly expressed	mmu-miR-106a-4395589	25.62	27.18	1	0.39
Significantly expressed	mmu-miR-106b-4373155	31.41	31.95	1	0.78
Significantly expressed	mmu-miR-10a-4373153	31.12	34.20	1	0.13
Significantly expressed	mmu-miR-10b-4395329	36.01	40.00	1	0.07
Significantly expressed	mmu-miR-125a-3p-4395310	31.34	34.82	1	0.10
Significantly expressed	mmu-miR-125a-5p-4395309	26.38	27.96	1	0.38
Significantly expressed	mmu-miR-125b-3p-4395489	32.52	40.00	1	0.01
Significantly expressed	mmu-miR-125b-5p-4373148	25.95	27.45	1	0.40
Significantly expressed	mmu-miR-126-3p-4395339	30.26	31.96	1	0.35
Significantly expressed	mmu-miR-126-5p-4373269	32.75	32.96	1	0.98
Significantly expressed	mmu-miR-127-4373147	29.79	31.85	1	0.27
Significantly expressed	mmu-miR-129-3p-4373297	29.73	40.00	1	0.00
Significantly expressed	mmu-miR-130a-4373145	31.32	32.98	1	0.36
Significantly expressed	mmu-miR-130b-4373144	29.74	30.93	1	0.50
Significantly expressed	mmu-miR-132-4373143	28.00	29.52	1	0.40
Significantly expressed	mmu-miR-133a-4395357	35.01	40.00	1	0.04
Significantly expressed	mmu-miR-134-4373299	32.28	34.01	1	0.34
Significantly expressed	mmu-miR-135a-4373140	32.48	33.37	1	0.61
Significantly expressed	mmu-miR-135b-4395372	32.61	33.73	1	0.52
Significantly expressed	mmu-miR-136-4395641	32.74	33.75	1	0.56
Significantly expressed	mmu-miR-138-4395395	34.58	35.98	1	0.43

Significantly expressed	mmu-miR-139-5p-4395400	35.94	38.42	1	0.20
Significantly expressed	mmu-miR-140-4373374	28.94	29.76	1	0.64
Significantly expressed	mmu-miR-142-5p-4395359	35.22	35.83	1	0.74
Significantly expressed	mmu-miR-143-4395360	30.00	31.39	1	0.43
Significantly expressed	mmu-miR-145-4395389	26.97	28.61	1	0.37
Significantly expressed	mmu-miR-146a-4373132	31.49	32.96	1	0.41
Significantly expressed	mmu-miR-146b-4373178	31.26	32.56	1	0.46
Significantly expressed	mmu-miR-148b-4373129	35.99	40.00	1	0.07
Significantly expressed	mmu-miR-151-3p-4373304	28.97	31.03	1	0.27
Significantly expressed	mmu-miR-152-4395170	31.90	33.95	1	0.28
Significantly expressed	mmu-miR-155-4395701	28.60	29.93	1	0.46
Significantly expressed	mmu-miR-15a-4373123	31.00	34.73	1	0.09
Significantly expressed	mmu-miR-15b-4373122	28.66	29.96	1	0.46
Significantly expressed	mmu-miR-16-4373121	24.06	25.36	1	0.46
Significantly expressed	mmu-miR-17-4395419	25.29	26.94	1	0.36
Significantly expressed	mmu-miR-181a-4373117	34.65	34.97	1	0.91
Significantly expressed	mmu-miR-181c-4373115	33.58	37.02	1	0.11
Significantly expressed	mmu-miR-182-4395729	29.14	30.74	1	0.37
Significantly expressed	mmu-miR-183-4395380	31.96	33.89	1	0.30
Significantly expressed	mmu-miR-184-4373113	36.44	40.00	1	0.10
Significantly expressed	mmu-miR-185-4395382	33.18	34.02	1	0.64
Significantly expressed	mmu-miR-186-4395396	28.46	29.40	1	0.59
Significantly expressed	mmu-miR-187-4373307	31.58	33.92	1	0.23
Significantly expressed	mmu-miR-188-5p-4395431	32.92	33.98	1	0.55
Significantly expressed	mmu-miR-18a-4395533	32.98	33.90	1	0.60
Significantly expressed	mmu-miR-18b-4395596	35.71	40.00	1	0.06
Significantly expressed	mmu-miR-190-4373110	30.96	34.87	1	0.08
Significantly expressed	mmu-miR-191-4395410	25.96	27.31	1	0.45
Significantly expressed	mmu-miR-193-4395361	31.96	32.96	1	0.57
Significantly expressed	mmu-miR-193b-4395597	28.24	29.89	1	0.36
Significantly expressed	mmu-miR-194-4373106	29.70	33.07	1	0.11
Significantly expressed	mmu-miR-195-4373105	29.41	30.96	1	0.39
Significantly expressed	mmu-miR-196b-4395326	30.73	31.97	1	0.48
Significantly expressed	mmu-miR-199a-3p-4395415	27.30	28.73	1	0.42
Significantly expressed	mmu-miR-199a-5p-4373272	33.00	40.00	1	0.01
Significantly expressed	mmu-miR-19a-4373099	26.56	27.98	1	0.43
Significantly expressed	mmu-miR-19b-4373098	23.29	24.49	1	0.50
Significantly expressed	mmu-miR-200b-4395362	36.07	40.00	1	0.07
Significantly expressed	mmu-miR-203-4373095	32.72	33.94	1	0.49
Significantly expressed	mmu-miR-204-4373094	32.91	34.22	1	0.46
Significantly expressed	mmu-miR-208-4373091	28.68	29.94	1	0.47
Significantly expressed	mmu-miR-20a-4373286	26.23	27.95	1	0.35

Significantly expressed	mmu-miR-20b-4373263	31.86	34.53	1	0.18
Significantly expressed	mmu-miR-210-4373089	27.77	29.15	1	0.44
Significantly expressed	mmu-miR-211-4373315	33.03	40.00	1	0.01
Significantly expressed	mmu-miR-21-4373090	26.92	27.87	1	0.59
Significantly expressed	mmu-miR-214-4395417	27.83	29.24	1	0.43
Significantly expressed	mmu-miR-217-4395686	34.55	40.00	1	0.03
Significantly expressed	mmu-miR-218-4373081	29.31	30.93	1	0.37
Significantly expressed	mmu-miR-220-4395598	34.02	38.06	1	0.07
Significantly expressed	mmu-miR-221-4373077	27.74	31.03	1	0.12
Significantly expressed	mmu-miR-222-4395387	25.57	26.42	1	0.63
Significantly expressed	mmu-miR-224-4395683	34.96	36.91	1	0.30
Significantly expressed	mmu-miR-23b-4373073	31.77	33.97	1	0.25
Significantly expressed	mmu-miR-24-4373072	24.11	25.45	1	0.45
Significantly expressed	mmu-miR-26a-4395166	28.16	29.34	1	0.50
Significantly expressed	mmu-miR-26b-4395167	28.88	29.97	1	0.54
Significantly expressed	mmu-miR-27a-4373287	30.93	31.89	1	0.59
Significantly expressed	mmu-miR-28-4373067	30.62	31.93	1	0.46
Significantly expressed	mmu-miR-290-3p-4395721	13.67	40.00	1	0.00
Significantly expressed	mmu-miR-296-3p-4395212	34.02	40.00	1	0.02
Significantly expressed	mmu-miR-296-5p-4373066	29.93	30.74	1	0.65
Significantly expressed	mmu-miR-298-4395728	30.08	40.00	1	0.00
Significantly expressed	mmu-miR-29a-4395223	24.14	25.41	1	0.47
Significantly expressed	mmu-miR-29b-4373288	33.29	33.96	1	0.72
Significantly expressed	mmu-miR-29c-4395171	27.42	28.97	1	0.39
Significantly expressed	mmu-miR-301a-4373064	30.95	31.49	1	0.78
Significantly expressed	mmu-miR-301b-4395730	31.31	32.01	1	0.70
Significantly expressed	mmu-miR-30a-4373061	30.81	31.93	1	0.52
Significantly expressed	mmu-miR-30b-4373290	28.70	29.97	1	0.47
Significantly expressed	mmu-miR-30c-4373060	28.93	29.79	1	0.63
Significantly expressed	mmu-miR-30d-4373059	31.96	32.89	1	0.60
Significantly expressed	mmu-miR-30e-4395334	28.91	30.35	1	0.42
Significantly expressed	mmu-miR-31-4373331	24.80	25.73	1	0.60
Significantly expressed	mmu-miR-320-4395388	29.96	30.75	1	0.66
Significantly expressed	mmu-miR-322-4378107	31.67	32.68	1	0.56
Significantly expressed	mmu-miR-323-3p-4395338	36.03	40.00	1	0.07
Significantly expressed	mmu-miR-32-4395220	36.99	40.00	1	0.14
Significantly expressed	mmu-miR-324-3p-4395639	27.97	40.00	1	0.00
Significantly expressed	mmu-miR-324-5p-4373052	35.15	35.94	1	0.66
Significantly expressed	mmu-miR-328-4373049	30.97	31.26	1	0.93
Significantly expressed	mmu-miR-329-4373336	37.07	40.00	1	0.15
Significantly expressed	mmu-miR-331-3p-4373046	30.09	31.46	1	0.44
Significantly expressed	mmu-miR-335-3p-4395296	32.77	40.00	1	0.01

Significantly expressed	mmu-miR-335-5p-4373045	31.93	36.94	1	0.04
Significantly expressed	mmu-miR-337-5p-4395645	31.84	40.00	1	0.00
Significantly expressed	mmu-miR-339-3p-4395663	31.50	32.99	1	0.40
Significantly expressed	mmu-miR-339-5p-4395368	31.62	32.71	1	0.54
Significantly expressed	mmu-miR-340-3p-4395370	36.96	40.00	1	0.14
Significantly expressed	mmu-miR-340-5p-4395369	33.21	34.98	1	0.33
Significantly expressed	mmu-miR-342-3p-4395371	29.97	31.63	1	0.36
Significantly expressed	mmu-miR-342-5p-4395657	34.02	40.00	1	0.02
Significantly expressed	mmu-miR-345-3p-4395659	35.99	40.00	1	0.07
Significantly expressed	mmu-miR-345-5p-4395658	35.16	40.00	1	0.04
Significantly expressed	mmu-miR-34a-4395168	28.87	30.93	1	0.27
Significantly expressed	mmu-miR-34b-3p-4395748	28.70	29.65	1	0.59
Significantly expressed	mmu-miR-34c-4373036	30.41	36.91	1	0.01
Significantly expressed	mmu-miR-351-4373345	31.89	40.00	1	0.00
Significantly expressed	mmu-miR-365-4373194	30.00	31.94	1	0.30
Significantly expressed	mmu-miR-369-5p-4373195	35.97	40.00	1	0.07
Significantly expressed	mmu-miR-375-4373027	34.05	35.94	1	0.31
Significantly expressed	mmu-miR-376c-4395580	32.49	35.97	1	0.10
Significantly expressed	mmu-miR-379-4373349	30.37	31.05	1	0.71
Significantly expressed	mmu-miR-380-5p-4395731	35.96	40.00	1	0.07
Significantly expressed	mmu-miR-382-4373019	35.98	40.00	1	0.07
Significantly expressed	mmu-miR-409-3p-4395443	31.13	32.35	1	0.49
Significantly expressed	mmu-miR-411-4381013	32.44	33.67	1	0.49
Significantly expressed	mmu-miR-425-4380926	28.54	29.46	1	0.60
Significantly expressed	mmu-miR-434-3p-4395734	35.70	35.96	1	0.95
Significantly expressed	mmu-miR-434-5p-4395711	34.98	40.00	1	0.04
Significantly expressed	mmu-miR-449a-4373207	33.50	34.98	1	0.41
Significantly expressed	mmu-miR-451-4373360	35.96	40.00	1	0.07
Significantly expressed	mmu-miR-455-4395585	34.09	40.00	1	0.02
Significantly expressed	mmu-miR-465a-3p-4395574	36.04	40.00	1	0.07
Significantly expressed	mmu-miR-467a-4395717	31.68	33.50	1	0.32
Significantly expressed	mmu-miR-467b-4381084	30.20	31.49	1	0.46
Significantly expressed	mmu-miR-467c-4395647	32.99	40.00	1	0.01
Significantly expressed	mmu-miR-467e-4395698	30.32	32.02	1	0.35
Significantly expressed	mmu-miR-484-4381032	25.10	26.33	1	0.49
Significantly expressed	mmu-miR-486-4378096	29.04	30.93	1	0.31
Significantly expressed	mmu-miR-490-4373215	29.90	40.00	1	0.00
Significantly expressed	mmu-miR-494-4395476	32.25	32.98	1	0.69
Significantly expressed	mmu-miR-503-4395586	31.99	40.00	1	0.00
Significantly expressed	mmu-miR-532-3p-4395466	30.97	34.62	1	0.09
Significantly expressed	mmu-miR-532-5p-4380928	30.55	32.36	1	0.32
Significantly expressed	mmu-miR-540-3p-4378119	34.99	40.00	1	0.04

Significantly expressed	mmu-miR-542-3p-4378101	35.42	40.00	1	0.05
Significantly expressed	mmu-miR-543-4395487	35.96	40.00	1	0.07
Significantly expressed	mmu-miR-547-4395694	31.70	40.00	1	0.00
Significantly expressed	mmu-miR-574-3p-4395460	27.62	28.68	1	0.55
Significantly expressed	mmu-miR-582-5p-4395696	34.98	40.00	1	0.04
Significantly expressed	mmu-miR-652-4395463	33.75	34.00	1	0.95
Significantly expressed	mmu-miR-654-3p-4395350	33.19	34.10	1	0.61
Significantly expressed	mmu-miR-669a-4381091	30.58	31.15	1	0.77
Significantly expressed	mmu-miR-671-3p-4395433	33.00	34.94	1	0.30
Significantly expressed	mmu-miR-672-4395438	35.11	40.00	1	0.04
Significantly expressed	mmu-miR-674-4395193	29.26	30.12	1	0.63
Significantly expressed	mmu-miR-675-3p-4386762	29.91	31.40	1	0.41
Significantly expressed	mmu-miR-676-4386776	29.51	31.12	1	0.37
Significantly expressed	mmu-miR-682-4381081	32.05	40.00	1	0.00
Significantly expressed	mmu-miR-744-4395435	31.20	32.62	1	0.43
Significantly expressed	mmu-miR-7b-4395685	35.98	40.00	1	0.07
Significantly expressed	mmu-miR-872-4395375	31.81	32.95	1	0.52
Significantly expressed	mmu-miR-873-4395467	31.70	40.00	1	0.00
Significantly expressed	mmu-miR-883b-3p-4395695	32.43	33.17	1	0.68
Significantly expressed	mmu-miR-92a-4373013	26.94	28.54	1	0.37
Significantly expressed	mmu-miR-93-4373302	28.95	30.72	1	0.34
Significantly expressed	mmu-miR-9-4373285	30.69	31.97	1	0.47
Significantly expressed	mmu-miR-96-4373372	33.11	36.94	1	0.08
Significantly expressed	mmu-miR-99a-4373008	29.98	31.50	1	0.40
Significantly expressed	mmu-miR-99b-4373007	29.00	29.73	1	0.69
Rat	rno-miR-190b-4395749	32.35	38.43		
Rat	rno-miR-196c-4395750	32.20	33.41	1	0.355 Averages
Rat	rno-miR-224-4373187	34.62	34.95	1	0.249 Standard Deviations
Rat	rno-miR-327-4381108	32.63	33.20		
Rat	rno-miR-339-3p-4395760	32.49	40.00		183 Total miRNAs day 3 > day 4
Rat	rno-miR-343-4381123	34.53	40.00		
Rat	rno-miR-345-3p-4395762	33.94	40.00		64.48 % decrease of miRNA expression
Rat	rno-miR-532-5p-4395752	30.92	32.86		
Rat	rno-miR-673-4395755	36.21	37.19		
Housekeeping	snoRNA135-4380912	25.96	26.41		
Housekeeping	snoRNA202-4380914	22.96	23.41		
Housekeeping	U87-4386735	28.68	28.96		
Housekeeping	Y1-4386739	29.96	30.27		
Housekeeping	MammU6-4395470	18.56	18.75		
Housekeeping	MammU6-4395470	18.56	18.75		
Housekeeping	MammU6-4395470	18.56	18.75		
Housekeeping	MammU6-4395470	18.56	18.75		

Table S3. Low density miRNA microarray data day 4 and 5

Detection	miRNA name and reference	Ct values		
		DAY3	DAY4	DAYS
ND on day 3	mmu-miR-1-4395333	40	36.99	40
ND on day 3	rno-miR-20b-3p-4395753	40	40	32.886
ND on day 3	mmu-miR-105-4395595	40	40	33.986
ND on day 3	mmu-miR-107-4373154	40	40	40
ND on day 3	mmu-miR-122-4395356	40	40	40
ND on day 3	mmu-miR-124-4373295	40	40	33.902
ND on day 3	mmu-miR-133b-4395358	40	40	40
ND on day 3	mmu-miR-137-4373301	40	40	40
ND on day 3	mmu-miR-139-3p-4395676	40	40	40
ND on day 3	mmu-miR-142-3p-4373136	40	40	40
ND on day 3	mmu-miR-147-4395373	40	40	40
ND on day 3	mmu-miR-150-4373127	40	40	36.933
ND on day 3	mmu-miR-153-4373305	40	40	40
ND on day 3	mmu-miR-154-4373270	40	40	40
ND on day 3	mmu-miR-200a-4378069	40	40	40
ND on day 3	mmu-miR-200c-4395411	40	40	34.994
ND on day 3	mmu-miR-201-4395708	40	40	40
ND on day 3	mmu-miR-202-5p-4395709	40	40	40
ND on day 3	mmu-miR-205-4373093	40	40	40
ND on day 3	mmu-miR-208b-4395401	40	40	40
ND on day 3	mmu-miR-215-4373316	40	40	35.973
ND on day 3	mmu-miR-216a-4395331	40	40	40
ND on day 3	mmu-miR-216b-4395437	40	40	40
ND on day 3	mmu-miR-219-4373080	40	40	40
ND on day 3	mmu-miR-291a-3p-4395722	40	40	40
ND on day 3	mmu-miR-291b-5p-4395667	40	40	40
ND on day 3	mmu-miR-292-3p-4395723	40	40	40
ND on day 3	mmu-miR-293-4386754	40	40	40
ND on day 3	mmu-miR-294-4373326	40	35.99	35.196
ND on day 3	mmu-miR-295-4373327	40	40	35.959
ND on day 3	mmu-miR-302a-4378070	40	36.098	40
ND on day 3	mmu-miR-302c-4395688	40	40	40
ND on day 3	mmu-miR-302d-4373063	40	40	40
ND on day 3	mmu-miR-325-4395640	40	40	40
ND on day 3	mmu-miR-330-4395341	40	40	40
ND on day 3	rno-miR-333-4381109	40	32.688	32.904
ND on day 3	rno-miR-336-4381111	40	34.757	40
ND on day 3	mmu-miR-338-3p-4395363	40	40	40
ND on day 3	mmu-miR-344-4373340	40	40	32.128
ND on day 3	rno-miR-344-3p-4381112	40	30.965	40
ND on day 3	rno-miR-344-5p-4395761	40	40	30.889
ND on day 3	mmu-miR-346-4373342	40	40	40
ND on day 3	rno-miR-349-4381115	40	40	40
ND on day 3	mmu-miR-361-4373035	40	40	35.993
ND on day 3	mmu-miR-367-4373034	40	40	36.979
ND on day 3	mmu-miR-369-3p-4373032	40	40	40
ND on day 3	mmu-miR-370-4395386	40	40	40
ND on day 3	mmu-miR-376a-4373347	40	40	35.15
ND on day 3	mmu-miR-377-4373025	40	40	40
ND on day 3	rno-miR-377-4381100	40	11.067	30.352
ND on day 3	mmu-miR-380-3p-4373350	40	35.993	40
ND on day 3	mmu-miR-381-4373020	40	34.034	30.551
ND on day 3	mmu-miR-384-3p-4395733	40	40	40
ND on day 3	mmu-miR-384-5p-4395732	40	40	35.946
ND on day 3	mmu-miR-409-5p-4395442	40	40	40
ND on day 3	rno-miR-421-4381122	40	40	40
ND on day 3	mmu-miR-423-5p-4395451	40	40	40
ND on day 3	mmu-miR-429-4373355	40	40	40
ND on day 3	mmu-miR-431-4395173	40	40	40
ND on day 3	mmu-miR-433-4373205	40	31.384	30.957
ND on day 3	mmu-miR-448-4373206	40	40	40
ND on day 3	mmu-miR-449b-4395669	40	40	40
ND on day 3	mmu-miR-450a-5p-4395414	40	40	40
ND on day 3	mmu-miR-453-4395614	40	40	40
ND on day 3	mmu-miR-465b-5p-4395615	40	40	40
ND on day 3	rno-miR-466b-4395767	40	29.834	40
ND on day 3	mmu-miR-466h-4395646	40	40	27.091
ND on day 3	mmu-miR-467d-4395648	40	37.011	35.077
ND on day 3	mmu-miR-470-4395718	40	40	40
ND on day 3	mmu-miR-489-4378114	40	40	33.023
ND on day 3	mmu-miR-493-4395649	40	40	40
ND on day 3	mmu-miR-497-4381046	40	40	40
ND on day 3	mmu-miR-499-4381047	40	40	40
ND on day 3	mmu-miR-501-3p-4381069	40	40	40
ND on day 3	mmu-miR-504-4395195	40	40	40
ND on day 3	mmu-miR-505-4381071	40	40	40
ND on day 3	mmu-miR-509-5p-4395650	40	40	40

ND on day 3	mmu-miR-539-4378103	40	40	40
ND on day 3	mmu-miR-540-5p-4395691	40	40	40
ND on day 3	ath-miR159a-4373390	40	40	40
ND on day 3	mmu-miR-542-5p-4395693	40	40	34.972
ND on day 3	rno-miR-543-4395766	40	40	40
ND on day 3	mmu-miR-551b-4380945	40	40	40
ND on day 3	mmu-miR-582-3p-4395697	40	40	40
ND on day 3	mmu-miR-590-5p-4395176	40	34.144	34.951
ND on day 3	mmu-miR-598-4395606	40	40	40
ND on day 3	rno-miR-598-5p-4395754	40	40	40
ND on day 3	mmu-miR-615-3p-4386777	40	40	40
ND on day 3	mmu-miR-615-5p-4395464	40	40	40
ND on day 3	mmu-miR-654-5p-4395652	40	40	40
ND on day 3	mmu-miR-665-4395737	40	30.267	29.336
ND on day 3	mmu-miR-666-5p-4386770	40	30.725	28.81
ND on day 3	mmu-miR-742-4395573	40	40	40
ND on day 3	rno-miR-742-4395756	40	40	40
ND on day 3	mmu-miR-743b-3p-4395601	40	40	40
ND on day 3	mmu-miR-743b-5p-4395600	40	17.849	33.087
ND on day 3	rno-miR-758-4395180	40	32.939	40
ND on day 3	rno-miR-760-5p-4395758	40	40	40
ND on day 3	mmu-miR-770-3p-4395564	40	40	40
ND on day 3	mmu-miR-802-4395566	40	40	40
ND on day 3	mmu-miR-871-4395465	40	40	40
ND on day 3	rno-miR-871-4395770	40	40	40
ND on day 3	mmu-miR-874-4395379	40	40	40
ND on day 3	mmu-miR-875-3p-4395677	40	40	40
ND on day 3	mmu-miR-876-3p-4395594	40	40	40
ND on day 3	mmu-miR-876-5p-4395593	40	40	40
ND on day 3	rno-miR-878-4395771	40	40	32.246
ND on day 3	mmu-miR-878-5p-4395670	40	40	40
ND on day 3	mmu-miR-879-4395602	40	40	40
ND on day 3	mmu-miR-881-4395739	40	40	40
ND on day 3	rno-miR-881-4395773	40	40	40
ND on day 3	mmu-miR-883a-3p-4395591	40	40	40
ND on day 3	mmu-miR-883a-5p-4395741	40	40	40
ND on day 3	rno-miR-219-1-3p-4395778	40	34.089	40
ND on day 3	rno-miR-219-2-3p-4395501	40	40	40
ND on day 3	rno-miR-381-4381102	40	31.186	40
ND on day 3	rno-miR-409-5p-4381098	40	40	40
ND on day 3	rno-miR-450a-4381124	40	40	40
ND on day 3	mmu-miR-452-4373281	40	40	40
ND on day 3	mmu-miR-464-4373362	40	40	40
ND on day 3	mmu-miR-468-4373366	40	33.756	31.968
ND on day 3	mmu-miR-469-4373367	40	40	40
ND on day 3	mmu-miR-488-4381074	40	40	40
ND on day 3	mmu-miR-496-4386771	40	40	40
ND on day 3	rno-miR-505-4381097	40	40	40
ND on day 3	mmu-miR-668-4386767	40	40	40
ND on day 3	mmu-miR-670-4395561	40	40	40
ND on day 3	mmu-miR-675-5p-4386761	40	40	40
ND on day 3	mmu-miR-677-4381075	40	40	40
ND on day 3	mmu-miR-679-4381077	40	40	40
ND on day 3	mmu-miR-683-4381082	40	40	40
ND on day 3	mmu-miR-684-4381083	40	40	36.06
ND on day 3	mmu-miR-686-4381085	40	40	40
ND on day 3	mmu-miR-23a-4373074	40	32	40
ND on day 3	mmu-miR-129-5p-4373171	40	40	40
ND on day 3	mmu-miR-188-3p-4395217	40	40	40
ND on day 3	mmu-miR-302b-4378071	40	40	40
ND on day 4	mmu-miR-329-4373336	37.071	40	40
ND on day 4	mmu-miR-340-3p-4395370	36.96	40	40
ND on day 4	mmu-miR-200b-4395362	36.072	40	40
ND on day 4	mmu-miR-10b-4395329	36.006	40	40
ND on day 4	mmu-miR-148b-4373129	35.995	40	40
ND on day 4	mmu-miR-345-3p-4395659	35.993	40	40
ND on day 4	mmu-miR-382-4373019	35.981	40	40
ND on day 4	mmu-miR-7b-4395685	35.975	40	40
ND on day 4	mmu-miR-369-5p-4373195	35.967	40	40
ND on day 4	mmu-miR-543-4395487	35.964	40	40
ND on day 4	mmu-miR-451-4373360	35.963	40	40
ND on day 4	mmu-miR-18b-4395596	35.709	40	40
ND on day 4	mmu-miR-345-5p-4395658	35.164	40	40
ND on day 4	mmu-miR-133a-4395357	35.015	40	40
ND on day 4	mmu-miR-540-3p-4378119	34.993	40	40
ND on day 4	mmu-miR-582-5p-4395696	34.984	40	40
ND on day 4	mmu-miR-434-5p-4395711	34.98	40	40
ND on day 4	mmu-miR-217-4395686	34.554	40	40
ND on day 4	mmu-miR-455-4395585	34.089	40	40
ND on day 4	mmu-miR-342-5p-4395657	34.023	40	40
ND on day 4	mmu-miR-296-3p-4395212	34.018	40	40
ND on day 4	mmu-miR-211-4373315	33.032	40	40
ND on day 4	mmu-miR-199a-5p-4373272	32.997	40	40
ND on day 4	mmu-miR-467c-4395647	32.986	40	40
ND on day 4	mmu-miR-547-4395694	31.705	40	40

ND on day 4	mmu-miR-298-4395728	30.076	40	40		
ND on day 4	mmu-miR-490-4373215	29.902	40	40	2 ^Δ -(DDCt) using U6 as control	
ND on day 4	mmu-miR-290-3p-4395721	13.674	40	40	DAY4	DAY5
unconclusive	mmu-miR-103-4373158	32.658	33.937	33.001	1	1.137
unconclusive	mmu-miR-125a-3p-4395310	31.34	34.819	32.263	1	3.496
unconclusive	mmu-miR-125b-3p-4395489	32.52	40	33.988	1	38.36
unconclusive	mmu-miR-129-3p-4373297	29.726	40	30.926	1	320.4
unconclusive	mmu-miR-139-5p-4395400	35.94	38.419	32.338	1	40.25
unconclusive	mmu-miR-146a-4373132	31.488	32.959	32.093	1	1.084
unconclusive	mmu-miR-152-4395170	31.902	33.948	32.973	1	1.168
unconclusive	mmu-miR-15a-4373123	31.004	34.731	33.769	1	1.158
unconclusive	mmu-miR-184-4373113	36.438	40	36.929	1	4.994
unconclusive	mmu-miR-190-4373110	30.955	34.869	31.933	1	4.549
unconclusive	mmu-miR-194-4373106	29.695	33.07	30.35	1	3.917
unconclusive	mmu-miR-202-3p-4373311	32.024	31.348	30.592	1	1.004
unconclusive	mmu-miR-204-4373094	32.911	34.224	31.88	1	3.019
unconclusive	mmu-miR-208-4373091	28.677	29.94	28.683	1	1.42
unconclusive	mmu-miR-224-4395683	34.965	36.91	35.295	1	1.821
unconclusive	mmu-miR-323-3p-4395338	36.032	40	32.94	1	79.31
unconclusive	mmu-miR-32-4395220	36.991	40	34.231	1	32.42
unconclusive	mmu-miR-324-3p-4395639	27.967	40	29.9	1	652.4
unconclusive	mmu-miR-335-3p-4395296	32.774	40	33.983	1	38.49
unconclusive	mmu-miR-335-5p-4373045	31.926	36.937	32.18	1	16.08
unconclusive	mmu-miR-337-5p-4395645	31.844	40	35.277	1	15.7
unconclusive	mmu-miR-339-3p-4395663	31.499	32.991	31.999	1	1.182
unconclusive	mmu-miR-34a-4395168	28.87	30.935	29.99	1	1.144
unconclusive	mmu-miR-34c-4373036	30.412	36.906	33.856	1	4.922
unconclusive	mmu-miR-351-4373345	31.895	40	34.245	1	32.1
unconclusive	mmu-miR-362-3p-4395746	36.852	36.978	32.745	1	11.18
unconclusive	mmu-miR-375-4373027	34.05	35.936	34.786	1	1.319
unconclusive	mmu-miR-376c-4395580	32.491	35.966	33.266	1	3.861
unconclusive	mmu-miR-380-5p-4395731	35.96	40	35.762	1	11.21
unconclusive	mmu-miR-450b-5p-4386779	32.998	32.568	30.991	1	1.774
unconclusive	mmu-miR-465a-3p-4395574	36.042	40	35.165	1	16.97
unconclusive	mmu-miR-486-4378096	29.044	30.934	30.12	1	1.045
unconclusive	mmu-miR-494-4395476	32.255	32.984	32.184	1	1.035
unconclusive	mmu-miR-503-4395586	31.994	40	33.971	1	38.81
unconclusive	mmu-miR-542-3p-4378101	35.419	40	35.837	1	10.64
unconclusive	mmu-miR-672-4395438	35.105	40	37.704	1	2.918
unconclusive	mmu-miR-675-3p-4386762	29.908	31.399	5.5695	1	4E+07
unconclusive	mmu-miR-680-4381079	29.985	29.523	28.671	1	1.073
unconclusive	mmu-miR-682-4381081	32.045	40	32.81	1	86.79
unconclusive	mmu-miR-873-4395467	31.697	40	34.078	1	36.03
rat	rno-miR-17-3p-4395779	36.668	35.931	34.522	1	1.578
rat	rno-miR-190b-4395749	32.346	38.427	36.911	1	1.7
rat	rno-miR-224-4373187	34.616	34.948	34.19	1	1.005
rat	rno-miR-339-3p-4395760	32.487	40	35.951	1	9.836
rat	rno-miR-343-4381123	34.528	40	33.085	1	71.71
rat	rno-miR-345-3p-4395762	33.941	40	34.716	1	23.16
Housekeeping	snoRNA202-4380914	22.962	23.414	22.446	1	1.163
Significantly expressed	mmu-let-7a-4373169	31.489	34.001	35.161	1	0.266
Significantly expressed	mmu-let-7b-4373168	32.558	32.967	35.926	1	0.076
Significantly expressed	mmu-let-7c-4373167	30.772	31.526	32.95	1	0.221
Significantly expressed	mmu-let-7d-4395394	31.177	32.523	33.982	1	0.216
Significantly expressed	mmu-let-7e-4395517	29.361	30.982	31.752	1	0.349
Significantly expressed	mmu-let-7f-4373164	31.081	32.435	33.974	1	0.205
Significantly expressed	mmu-let-7g-4395393	29.879	30.976	31.929	1	0.307
Significantly expressed	mmu-let-7i-4395332	30.175	30.89	31.969	1	0.281
Significantly expressed	mmu-miR-100-4373160	30.391	31.055	31.981	1	0.313
Significantly expressed	mmu-miR-101a-4395364	32.667	35.614	35.972	1	0.464
Significantly expressed	mmu-miR-106a-4395589	25.625	27.184	27.95	1	0.35
Significantly expressed	mmu-miR-106b-4373155	31.406	31.951	33.246	1	0.242
Significantly expressed	mmu-miR-10a-4373153	31.116	34.2	36.92	1	0.09
Significantly expressed	mmu-miR-125a-5p-4395309	26.383	27.96	28.259	1	0.483
Significantly expressed	mmu-miR-125b-5p-4373148	25.955	27.455	27.977	1	0.414
Significantly expressed	mmu-miR-126-3p-4395339	30.257	31.964	32.926	1	0.305
Significantly expressed	mmu-miR-126-5p-4373269	32.747	32.961	34.901	1	0.155

Significantly expressed	mmu-miR-127-4373147	29.786	31.854	31.193	1	0.94
Significantly expressed	mmu-miR-128a-4395327	35.06	33.908	35.988	1	0.141
Significantly expressed	mmu-miR-130a-4373145	31.315	32.979	32.35	1	0.919
Significantly expressed	mmu-miR-130b-4373144	29.743	30.932	36.069	1	0.017
Significantly expressed	mmu-miR-132-4373143	28	29.521	30.005	1	0.425
Significantly expressed	mmu-miR-134-4373299	32.284	34.011	40	1	0.009
Significantly expressed	mmu-miR-135a-4373140	32.477	33.368	36.989	1	0.048
Significantly expressed	mmu-miR-135b-4395372	32.608	33.726	34.032	1	0.481
Significantly expressed	mmu-miR-136-4395641	32.741	33.754	36.967	1	0.064
Significantly expressed	mmu-miR-138-4395395	34.578	35.984	40	1	0.037
Significantly expressed	mmu-miR-140-4373374	28.942	29.763	30.749	1	0.3
Significantly expressed	mmu-miR-141-4373137	35.975	34.777	36.255	1	0.213
Significantly expressed	mmu-miR-142-5p-4395359	35.219	35.833	40	1	0.033
Significantly expressed	mmu-miR-143-4395360	29.996	31.395	31.963	1	0.401
Significantly expressed	mmu-miR-145-4395389	26.97	28.609	29.678	1	0.283
Significantly expressed	mmu-miR-146b-4373178	31.263	32.556	34.993	1	0.11
Significantly expressed	mmu-miR-148a-4373130	33.979	33.449	33.801	1	0.466
Significantly expressed	mmu-miR-151-3p-4373304	28.966	31.029	40	1	0.001
Significantly expressed	mmu-miR-155-4395701	28.605	29.925	30.666	1	0.356
Significantly expressed	mmu-miR-15b-4373122	28.66	29.956	30.46	1	0.419
Significantly expressed	mmu-miR-16-4373121	24.062	25.36	25.953	1	0.394
Significantly expressed	mmu-miR-17-4395419	25.291	26.939	27.543	1	0.391
Significantly expressed	mmu-miR-181a-4373117	34.652	34.969	34.422	1	0.868
Significantly expressed	mmu-miR-181c-4373115	33.584	37.022	40	1	0.075
Significantly expressed	mmu-miR-182-4395729	29.137	30.741	30.968	1	0.508
Significantly expressed	mmu-miR-183-4395380	31.965	33.889	40	1	0.009
Significantly expressed	mmu-miR-185-4395382	33.18	34.021	40	1	0.009
Significantly expressed	mmu-miR-186-4395396	28.459	29.399	29.938	1	0.409
Significantly expressed	mmu-miR-187-4373307	31.585	33.917	40	1	0.009
Significantly expressed	mmu-miR-188-5p-4395431	32.917	33.977	33.616	1	0.764
Significantly expressed	mmu-miR-18a-4395533	32.978	33.895	33.963	1	0.567
Significantly expressed	mmu-miR-191-4395410	25.964	27.314	27.909	1	0.394
Significantly expressed	mmu-miR-192-4373108	33.319	32.715	32.962	1	0.501
Significantly expressed	mmu-miR-193-4395361	31.965	32.957	33.871	1	0.316
Significantly expressed	mmu-miR-193b-4395597	28.237	29.894	29.975	1	0.562
Significantly expressed	mmu-miR-195-4373105	29.411	30.963	31.384	1	0.444
Significantly expressed	mmu-miR-196b-4395326	30.726	31.97	32.898	1	0.312
Significantly expressed	mmu-miR-197-4373102	32.573	31.825	32.975	1	0.268
Significantly expressed	mmu-miR-199a-3p-4395415	27.3	28.735	29.969	1	0.253
Significantly expressed	mmu-miR-19a-4373099	26.563	27.978	28.548	1	0.4
Significantly expressed	mmu-miR-19b-4373098	23.289	24.489	24.966	1	0.427
Significantly expressed	mmu-miR-203-4373095	32.717	33.942	33.969	1	0.583

Significantly expressed	mmu-miR-207-4373314	29.549	28.106	27.457	1	0.932
Significantly expressed	mmu-miR-20a-4373286	26.229	27.95	28.661	1	0.363
Significantly expressed	mmu-miR-20b-4373263	31.86	34.534	34.973	1	0.439
Significantly expressed	mmu-miR-210-4373089	27.767	29.147	30.003	1	0.328
Significantly expressed	mmu-miR-21-4373090	26.921	27.866	28.981	1	0.274
Significantly expressed	mmu-miR-214-4395417	27.827	29.242	30.971	1	0.179
Significantly expressed	mmu-miR-218-4373081	29.305	30.931	31.949	1	0.294
Significantly expressed	mmu-miR-220-4395598	34.015	38.058	40	1	0.155
Significantly expressed	mmu-miR-221-4373077	27.744	31.03	30.623	1	0.788
Significantly expressed	mmu-miR-222-4395387	25.571	26.424	26.926	1	0.42
Significantly expressed	mmu-miR-223-4395406	33.968	32.745	34.323	1	0.199
Significantly expressed	mmu-miR-23b-4373073	31.774	33.972	40	1	0.009
Significantly expressed	mmu-miR-24-4373072	24.106	25.448	25.967	1	0.415
Significantly expressed	mmu-miR-25-4373071	31.734	31.722	32.943	1	0.255
Significantly expressed	mmu-miR-26a-4395166	28.156	29.34	29.974	1	0.383
Significantly expressed	mmu-miR-26b-4395167	28.878	29.965	30.53	1	0.402
Significantly expressed	mmu-miR-27a-4373287	30.935	31.888	31.943	1	0.572
Significantly expressed	mmu-miR-27b-4373068	32.628	31.946	32.58	1	0.383
Significantly expressed	mmu-miR-28-4373067	30.623	31.933	32.576	1	0.38
Significantly expressed	mmu-miR-296-5p-4373066	29.934	30.743	30.982	1	0.504
Significantly expressed	mmu-miR-297b-5p-4381049	34.041	33.219	40	1	0.005
Significantly expressed	mmu-miR-297c-4395610	29.111	28.183	29.84	1	0.188
Significantly expressed	mmu-miR-29a-4395223	24.14	25.411	25.916	1	0.419
Significantly expressed	mmu-miR-29b-4373288	33.29	33.958	34.61	1	0.378
Significantly expressed	mmu-miR-29c-4395171	27.42	28.971	29.38	1	0.448
Significantly expressed	mmu-miR-301a-4373064	30.953	31.492	33.584	1	0.139
Significantly expressed	mmu-miR-301b-4395730	31.311	32.011	33.967	1	0.153
Significantly expressed	mmu-miR-30a-4373061	30.807	31.93	32.718	1	0.344
Significantly expressed	mmu-miR-30b-4373290	28.705	29.966	30.701	1	0.357
Significantly expressed	mmu-miR-30c-4373060	28.93	29.785	30.959	1	0.263
Significantly expressed	mmu-miR-30d-4373059	31.962	32.892	33.068	1	0.526
Significantly expressed	mmu-miR-30e-4395334	28.914	30.35	30.525	1	0.527
Significantly expressed	mmu-miR-31-4373331	24.803	25.729	25.957	1	0.507
Significantly expressed	mmu-miR-320-4395388	29.961	30.753	31.431	1	0.372
Significantly expressed	mmu-miR-322-4378107	31.667	32.684	35.993	1	0.06
Significantly expressed	mmu-miR-324-5p-4373052	35.154	35.936	36.498	1	0.402
Significantly expressed	mmu-miR-328-4373049	30.968	31.26	32.692	1	0.22
Significantly expressed	mmu-miR-331-3p-4373046	30.086	31.456	31.983	1	0.413
Significantly expressed	mmu-miR-331-5p-4395344	35.837	34.004	36.361	1	0.116
Significantly expressed	mmu-miR-337-3p-4395662	36.967	35.717	40	1	0.031
Significantly expressed	mmu-miR-339-5p-4395368	31.618	32.707	35.026	1	0.119
Significantly expressed	mmu-miR-340-5p-4395369	33.21	34.976	40	1	0.018

Significantly expressed	mmu-miR-342-3p-4395371	29.968	31.632	31.746	1	0.549
Significantly expressed	mmu-miR-34b-3p-4395748	28.699	29.649	29.96	1	0.479
Significantly expressed	mmu-miR-350-4395660	34.69	33.457	35.004	1	0.203
Significantly expressed	mmu-miR-363-4378090	35.909	33.591	35.16	1	0.2
Significantly expressed	mmu-miR-365-4373194	29.999	31.944	32.05	1	0.552
Significantly expressed	mmu-miR-376b-4395582	34.984	34.516	35.769	1	0.249
Significantly expressed	mmu-miR-379-4373349	30.375	31.051	34.032	1	0.075
Significantly expressed	mmu-miR-383-4381093	34.877	32.324	33.885	1	0.201
Significantly expressed	mmu-miR-409-3p-4395443	31.127	32.347	36.056	1	0.045
Significantly expressed	mmu-miR-410-4378093	36.894	32.084	34.629	1	0.102
Significantly expressed	mmu-miR-411-4381013	32.444	33.667	33.978	1	0.479
Significantly expressed	mmu-miR-425-4380926	28.536	29.462	29.969	1	0.418
Significantly expressed	mmu-miR-434-3p-4395734	35.7	35.958	40	1	0.036
Significantly expressed	mmu-miR-449a-4373207	33.502	34.984	40	1	0.018
Significantly expressed	mmu-miR-465a-5p-4373363	31.719	31.027	31.125	1	0.555
Significantly expressed	mmu-miR-467a-4395717	31.675	33.499	35.971	1	0.107
Significantly expressed	mmu-miR-467b-4381084	30.196	31.493	31.998	1	0.419
Significantly expressed	mmu-miR-467e-4395698	30.319	32.019	31.684	1	0.75
Significantly expressed	mmu-miR-484-4381032	25.103	26.333	26.952	1	0.387
Significantly expressed	mmu-miR-487b-4378102	35.977	34.523	34.496	1	0.606
Significantly expressed	mmu-miR-491-4381053	31.959	30.376	31.334	1	0.306
Significantly expressed	mmu-miR-495-4381078	32.344	32.088	32.815	1	0.359
Significantly expressed	mmu-miR-500-4395736	33.249	33.032	35.339	1	0.12
Significantly expressed	mmu-miR-509-3p-4395651	36.006	33.597	35.099	1	0.21
Significantly expressed	mmu-miR-511-4395679	34.458	32.959	40	1	0.005
Significantly expressed	mmu-miR-532-3p-4395466	30.969	34.621	34.72	1	0.555
Significantly expressed	mmu-miR-532-5p-4380928	30.548	32.362	32.968	1	0.391
Significantly expressed	mmu-miR-544-4395680	35.184	34.043	33.931	1	0.642
Significantly expressed	mmu-miR-546-4381044	30.879	29.845	30.932	1	0.28
Significantly expressed	mmu-miR-574-3p-4395460	27.623	28.676	28.982	1	0.481
Significantly expressed	mmu-miR-652-4395463	33.75	34.004	40	1	0.009
Significantly expressed	mmu-miR-654-3p-4395350	33.193	34.101	33.771	1	0.747
Significantly expressed	mmu-miR-667-4386769	29.964	29.336	28.964	1	0.769
Significantly expressed	mmu-miR-669a-4381091	30.577	31.149	32.433	1	0.244
Significantly expressed	mmu-miR-671-3p-4395433	33.002	34.943	35.968	1	0.292
Significantly expressed	mmu-miR-674-4395193	29.258	30.119	32.023	1	0.159
Significantly expressed	mmu-miR-676-4386776	29.512	31.123	31.96	1	0.333
Significantly expressed	mmu-miR-685-4386748	32.042	29.561	30.42	1	0.328
Significantly expressed	mmu-miR-687-4386750	28.578	27.833	27.674	1	0.664
Significantly expressed	mmu-miR-708-4395452	32.405	31.965	35.97	1	0.037
Significantly expressed	mmu-miR-741-4395587	33.276	32.684	33.693	1	0.295
Significantly expressed	mmu-miR-743a-4395599	29.678	29.673	29.897	1	0.509

Significantly expressed	mmu-miR-744-4395435	31.204	32.624	35.995	1	0.057
Significantly expressed	mmu-miR-7a-4378130	34.825	34.95	40	1	0.018
Significantly expressed	mmu-miR-872-4395375	31.808	32.953	34.961	1	0.148
Significantly expressed	mmu-miR-883b-3p-4395695	32.429	33.166	33.124	1	0.612
Significantly expressed	mmu-miR-92a-4373013	26.937	28.54	28.554	1	0.589
Significantly expressed	mmu-miR-93-4373302	28.954	30.716	31.612	1	0.319
Significantly expressed	mmu-miR-9-4373285	30.69	31.967	32.323	1	0.464
Significantly expressed	mmu-miR-96-4373372	33.108	36.937	40	1	0.071
Significantly expressed	mmu-miR-98-4373009	35.99	34.118	34.833	1	0.362
Significantly expressed	mmu-miR-99a-4373008	29.982	31.496	32.222	1	0.36
Significantly expressed	mmu-miR-99b-4373007	28.996	29.728	30.773	1	0.288
Rat	rno-miR-1-4395765	33.991	32.494	33.834		
Rat	rno-miR-196c-4395750	32.198	33.412	35.984	1	0.325 Averages
Rat	rno-miR-207-4381096	28.936	28.869	28.682	1	0.214 Standard Deviations
Rat	rno-miR-327-4381108	32.629	33.201	32.972		
Rat	rno-miR-346-4381113	28.986	28.49	29.079	154 Total miRNAs - day 4> day 5	
Rat	rno-miR-347-4381114	28.797	28.923	28.624		
Rat	rno-miR-351-4395764	32.921	33.056	35.984	67.5 % decrease of miRNA expression	
Rat	rno-miR-466c-4395768	34.935	32.716	40		
Rat	rno-miR-532-5p-4395752	30.92	32.86	34.967		
Rat	rno-miR-673-4395755	36.209	37.194	40		
Rat	rno-miR-743b-4395769	33.03	32.12	31.995		
Housekeeping	snoRNA135-4380912	25.963	26.407	25.962		
Housekeeping	U87-4386735	28.684	28.959	28.412		
Housekeeping	Y1-4386739	29.957	30.27	29.689		
Housekeeping	MammU6-4395470	18.56	18.75	18		
Housekeeping	MammU6-4395470	18.56	18.75	18		
Housekeeping	MammU6-4395470	18.56	18.75	18		
Housekeeping	MammU6-4395470	18.56	18.75	18		