Supplementary Tables

Supplementary Table S1

miR ID	$\Delta\Delta C_T$	Adj.p-value	miR ID	$\Delta\Delta C_T$	Adj.p-value	miR ID	$\Delta\Delta C_T$	Adj.p-value
miR-15b	8.62	6.2×10^{-11}	miR-146a	6.45	2.8×10^{-6}	miR-29a	4.98	1.7×10^{-5}
miR-142-3p	8.55	1.6×10^{-9}	miR-10b	6.37	3.1×10^{-6}	miR-539	4.88	0.001
miR-103	7.89	8.3×10^{-10}	miR-17	6.36	1.2×10^{-5}	miR-221	4.84	3.4×10^{-4}
miR-16	7.65	4.4×10^{-8}	miR-106a	6.26	1.4×10^{-5}	miR-92a	4.80	3.4×10^{-4}
miR-660	7.59	1.6×10^{-9}	miR-708	6.17	3.3×10^{-6}	miR-574-3p	4.73	2.2×10^{-4}
miR-138	7.58	1.9×10^{-8}	miR-339-5p	6.10	4.1×10^{-9}	miR-500	4.71	2.3×10^{-5}
miR-148a	7.49	1.8×10^{-8}	let-7b	6.10	9.7×10^{-6}	miR-342-3p	4.70	1.6×10^{-4}
miR-200a	7.48	4.1×10^{-8}	miR-185	6.01	1.6×10^{-8}	miR-181a	4.67	2.5×10^{-5}
miR-132	7.45	2.6×10^{-8}	miR-23b	6.01	3.4×10^{-6}	miR-29c	4.66	8.4×10^{-7}
miR-374b	7.43	2.2×10^{-8}	miR-34a	5.98	2.5×10^{-5}	miR-193a-3p	4.64	2.1×10^{-5}
miR-374a	7.39	1.1×10^{-9}	miR-125a-5p	5.95	7.3×10^{-7}	miR-126	4.64	8.5×10^{-5}
miR-9	7.39	2.4×10^{-7}	miR-452	5.94	1.3×10^{-6}	miR-214	4.60	7.0×10^{-4}
miR-335	7.37	1.6×10^{-9}	let-7g	5.92	1.5×10^{-6}	let-7e	4.58	5.6×10^{-6}
miR-130b	7.35	1.1×10^{-9}	let-7d	5.91	4.1×10^{-8}	miR-205	4.58	0.001
miR-143	7.33	2.5×10^{-8}	miR-199a-3p	5.84	1.1×10^{-5}	miR-146b-5p	4.57	1.2×10^{-5}
miR-429	7.20	5.3×10^{-8}	miR-210	5.83	1.2×10^{-5}	miR-31	4.48	0.015
miR-29b	7.16	2.5×10^{-9}	miR-455-5p	5.78	3.6×10^{-7}	miR-212	4.46	7.4×10^{-5}
miR-301a	7.14	1.4×10^{-8}	let-7f	5.64	4.4×10^{-6}	miR-425	4.44	1.4×10^{-5}
miR-20a	7.01	8.2×10^{-7}	miR-222	5.55	2.8×10^{-4}	miR-200c	4.43	0.002
miR-18a	6.99	1.4×10^{-8}	miR-25	5.50	2.7×10^{-6}	miR-411	4.39	3.5×10^{-4}
miR-28-5p	6.97	1.0×10^{-8}	miR-26b	5.46	2.1×10^{-8}	miR-652	4.38	8.8×10^{-5}
miR-218	6.96	4.4×10^{-8}	let-7a	5.46	5.6×10^{-6}	miR-424	4.34	0.001
miR-19a	6.94	6.1×10^{-8}	miR-27b	5.45	5.6×10^{-6}	miR-193a-5p	4.32	3.8×10^{-4}
miR-21	6.92	7.3×10^{-9}	miR-223	5.45	9.6×10^{-4}	miR-200b	4.30	5.2×10^{-5}
miR-590-5p	6.92	1.9×10^{-8}	miR-93	5.42	4.0×10^{-5}	miR-454	4.30	1.4×10^{-4}
miR-532-5p	6.86	2.3×10^{-8}	miR-106b	5.36	7.1×10^{-6}	miR-203	4.26	0.015
miR-141	6.82	7.3×10^{-9}	miR-423-5p	5.34	1.1×10^{-6}	miR-199a-5p	4.19	0.008
miR-340	6.79	7.3×10^{-9}	miR-365	5.34	2.6×10^{-5}	miR-20b	4.15	2.2×10^{-4}
miR-598	6.69	1.3×10^{-8}	miR-495	5.32	1.5×10^{-5}	miR-484	4.10	0.002
miR-451	6.69	5.2×10^{-5}	miR-99a	5.23	1.6×10^{-4}	miR-152	4.01	6.3×10^{-5}
miR-101	6.63	1.6×10^{-9}	miR-140-5p	5.22	2.0×10^{-5}	miR-324-5p	3.99	6.2×10^{-4}
miR-19b	6.59	6.1×10^{-8}	miR-130a	5.20	1.9×10^{-6}	miR-125b	3.98	0.001
miR-195	6.58	2.1×10^{-8}	miR-100	5.20	5.3×10^{-5}	miR-502-3p	3.94	1.5×10^{-4}
miR-135b	6.52	1.3×10^{-7}	miR-628-5p	5.10	6.0×10^{-7}	miR-361-5p	3.93	3.9×10^{-4}
miR-224	6.52	2.2×10^{-5}	miR-301b	5.07	5.2×10^{-6}	miR-98	3.91	3.1×10^{-4}
miR-148b	6.46	4.1×10^{-9}	miR-10a	5.02	1.3×10^{-4}	miR-32	3.89	2.8×10^{-4}

miR ID	$\Delta\Delta C_T$	Adj.p-value	miR ID	$\Delta\Delta C_T$	Adj.p-value
miR-150	3.84	0.003	miR-491-5p	3.25	0.004
miR-95	3.81	2.8×10^{-4}	miR-96	3.20	0.012
miR-186	3.73	2.2×10^{-5}	miR-545	3.19	0.012
miR-27a	3.65	7.6×10^{-5}	miR-99b	3.12	3.9×10^{-4}
miR-128	3.62	0.002	miR-345	3.09	0.009
miR-24	3.60	7.6×10^{-5}	miR-625	3.02	3.4×10^{-4}
miR-671-3p	3.60	0.002	miR-485-3p	2.98	0.021
miR-582-5p	3.59	0.005	miR-296-5p	2.96	0.020
miR-135a	3.58	0.002	miR-744	2.95	0.007
miR-655	3.57	0.004	let-7c	2.95	0.008
miR-30b	3.56	4.8×10^{-5}	miR-23a	2.83	0.036
miR-328	3.50	0.015	miR-15a	2.80	0.022
miR-339-3p	3.46	0.001	miR-320	2.77	0.034
miR-487b	3.45	0.012	miR-579	2.75	0.021
miR-30c	3.42	5.2×10^{-5}	miR-192	2.68	0.023
miR-26a	3.39	4.2×10^{-4}	miR-145	2.57	0.012
miR-376c	3.36	0.007	miR-502-5p	2.41	0.022
miR-197	3.32	0.003	miR-422a	2.38	0.039
miR-193b	3.32	0.017	miR-455-3p	2.35	0.010
miR-142-5p	3.30	0.004	miR-532-3p	2.31	0.033
miR-182	3.29	0.003	miR-362-3p	2.20	0.024
RNU48	3.29	0.027	miR-501-5p	2.15	0.039
miR-597	3.28	0.003	miR-331-3p	1.84	0.021
miR-491-5p	3.25	0.004			

Supplementary Table S2

miR ID	$\Delta\Delta C_T$	Adj.p-value	miR ID	$\Delta\Delta C_T$	Adj.p-value	miR ID	$\Delta\Delta C_T$	Adj.p-value
miR-124	-9.27	2.0×10^{-7}	miR-215	-3.37	0.017	miR-521	-2.92	0.015
miR-512-5p	-6.06	2.2×10^{-4}	miR-885-3p	-3.36	0.006	miR-373	-2.91	0.015
miR-298	-5.97	1.5×10^{-4}	ath-miR159a	-3.34	0.006	miR-380	-2.91	0.015
miR-216a	-5.88	5.6×10^{-4}	miR-570	-3.31	0.012	miR-516a-5p	-2.90	0.015
miR-346	-5.78	1.9×10^{-4}	miR-490-3p	-3.24	0.012	miR-654-5p	-2.88	0.015
miR-139-3p	-5.73	1.8×10^{-4}	miR-548a-5p	-3.21	0.009	miR-450b-3p	-2.88	0.017
miR-33b	-5.69	2.2×10^{-4}	miR-872	-3.05	0.013	miR-499-3p	-2.83	0.019
miR-154	-5.59	6.9×10^{-4}	miR-487a	-3.03	0.025	miR-509-3-5p	-2.81	0.021
miR-507	-5.42	3.9×10^{-4}	miR-494	-3.02	0.048	miR-376b	-2.79	0.019
miR-216b	-5.19	0.003	miR-129-5p	-2.93	0.015	miR-448	-2.77	0.021
miR-220c	-5.18	2.7×10^{-4}	miR-302c	-2.93	0.015	miR-188-3p	-2.76	0.024
miR-127-5p	-4.39	7.9×10^{-4}	miR-453	-2.93	0.015	miR-147	-2.76	0.035
miR-519c-3p	-4.92	0.004	miR-485-5p	-2.93	0.015	miR-208	-2.73	0.032
miR-548c-3p	-4.89	3.6×10^{-4}	miR-508-5p	-2.93	0.015	miR-876-5p	-2.73	0.044
miR-523	-4.88	5.7×10^{-4}	miR-518a-5p	-2.93	0.015	miR-520a-5p	-2.71	0.027
miR-220b	-4.78	2.9×10^{-4}	miR-520d-5p	-2.93	0.015	miR-412	-2.69	0.030
miR-219-2-3p	-4.73	4.2×10^{-4}	miR-524-5p	-2.93	0.015	miR-526b	-2.69	0.030
miR-518d-3p	-4.70	4.9×10^{-4}	miR-544	-2.93	0.015	miR-541	-2.67	0.026
miR-136	-4.67	6.0×10^{-4}	miR-548b-3p	-2.93	0.015	miR-371-3p	-2.64	0.039
miR-525-5p	-4.53	5.7×10^{-4}	miR-556-3p	-2.93	0.015	miR-873	-2.63	0.032
miR-217	-4.50	4.2×10^{-4}	miR-556-5p	-2.93	0.015	miR-302a	-2.63	0.036
miR-208b	-4.46	0.002	miR-561	-2.93	0.015	miR-548c-5p	-2.62	0.029
miR-518d-5p	-4.42	0.001	miR-615-5p	-2.93	0.015	miR-520a-3p	-2.62	0.031
miR-219-1-3p	-4.23	0.004	miR-616	-2.93	0.015	miR-496	-2.62	0.046
miR-381	-4.19	0.011	miR-624	-2.93	0.015	miR-672	-2.61	0.047
miR-377	-4.18	0.004	miR-674	-2.93	0.015	miR-520f	-2.59	0.031
miR-329	-4.13	0.003	miR-871	-2.93	0.015	miR-548a-3p	-2.59	0.033
miR-506	-4.09	0.004	miR-875-3p	-2.93	0.015	miR-501-3p	-2.59	0.034
miR-509-5p	-4.07	0.019	miR-890	-2.93	0.015	miR-491-3p	-2.56	0.048
miR-105	-3.98	0.020	miR-891b	-2.93	0.015	miR-367	-2.48	0.045
miR-520b	-3.87	0.003	miR-892a	-2.93	0.015			
miR-510	-3.86	0.004	miR-220	-2.93	0.015			
miR-887	-3.73	0.003	miR-325	-2.93	0.015			
miR-299-3p	-3.60	0.015	miR-384	-2.93	0.015			
miR-888	-3.50	0.017	miR-520e	-2.93	0.015			
miR-515-3p	-3.43	0.007	miR-513-5p	-2.92	0.015			

Supplementary Table S3

miRBase Family ID	Family Members on microarray	Upregulated	Downregulated	microRNAs
MIPF0000001	8	7	0	miR-20a, miR-18a, miR-17, miR-106a, miR-93, miR-106b, miR-20b, miR-18b
MIPF0000002	8	8	0	let-7b, let-7g, let-7d, let-7f, let-7a, let-7e, miR-98, let-7c
MIPF0000005	2	2	0	miR-30b, miR-30c
MIPF0000006	4	4	0	miR-15b, miR-16, miR-195, miR-15a
MIPF0000007	2	1	0	miR-181a
MIPF0000009	3	3	0	miR-29b, miR-29a, miR-29c
MIPF0000011	2	2	0	miR-19a, miR-19b
MIPF0000013	2	2	0	miR-25, miR-92a
MIPF0000017	3	2	0	miR-125a-5p, miR-125b
MIPF0000018	15	3	6	miR-154, miR-539, miR-381, miR-377, miR-655, miR-487b, miR-487a, miR-494, miR-496
MIPF0000019	5	5	0	miR-200a, miR-429, miR-141, miR-200c, miR-200b
MIPF0000020	33	0	18	miR-519c-3p, miR-523, miR-518d-3p, miR-518d-5p, miR-525-5p, miR-525-3p, miR-520b, miR-518a-5p, miR-520d-5p, miR-524-5p, miR-520e, miR-521, miR516a-5p, miR-520a-5p, miR-520a-3p, miR-526b, miR-520f, miR-519e
MIPF0000024	2	1	0	miR-103
MIPF0000025	3	3	0	miR-99a, miR-100, miR-99b
MIPF0000027	2	2	0	miR-23b, miR-23a
MIPF0000028	2	2	0	miR-135b, miR-135a
MIPF0000033	2	2	0	miR-10b, miR-10a
MIPF0000034	4	4	0	miR-130b, miR-301a, miR-130a, miR-301b
MIPF0000036	2	2	0	miR-27b, miR-27a
MIPF0000039	2	1	0	miR-34a
MIPF0000040	3	2	0	miR-199a-3p, miR-199a-5p
MIPF0000043	2	2	0	miR-26b, miR-26a
MIPF0000044	3	0	2	miR-219-2-3p, miR-219-1-3p
MIPF0000051	2	2	0	miR-222, miR-221
MIPF0000054	2	0	2	miR-216a, miR-216b
MIPF0000056	3	3	0	miR-148a, miR-148b, miR-152
MIPF0000057	2	1	0	miR-28-5p
MIPF0000063	2	1	1	miR-215, miR-192
MIPF0000065	2	2	0	miR-132, miR-212
MIPF0000068	2	0	1	miR-371-3p
MIPF0000071	3	0	2	miR-302c, miR-302a
MIPF0000073	2	0	1	miR-129-5p
MIPF0000080	2	0	1	miR-127-5p
MIPF0000082	3	3	0	miR-193a-3p, miR-193a-5p, miR-193b
MIPF0000084	2	2	0	miR-142-3p, miR-142-5p
MIPF0000085	2	1	0	miR-140-5p
MIPF0000091	3	1	1	miR-376c, miR-376b
MIPF0000098	2	2	0	miR-95, miR-545
MIPF0000103	3	2	0	miR-146a, miR-146b-5p
MIPF0000105	2	0	1	miR-147
MIPF0000110	2	1	1	miR-495, miR-329
MIPF0000113	4	3	1	miR-660, miR-532-5p, miR-532-3p, miR-188-3p
MIPF0000117	2	0	1	miR-139-3p
MIPF0000126	4	1	1	miR-411, miR-380
MIPF0000128	3	0	1	miR-450b-3p
MIPF0000129	2	2	0	miR-455-5p, miR-455-3p
MIPF0000130	11	0	8	miR-512-5p, miR-512-3p, miR-507, miR-506, miR-509-5p, miR-509-3-5p, miR-510, miR-508-3p, miR-508-5p, miR-513-5p, miR-511
MIPF0000139	5	4	1	miR-500, miR-502-3p, miR-502-5p, miR-501-3p, miR-501-5p
MIPF0000159	2	1	0	miR-296-5p
MIPF0000165	2	1	0	miR-324-5p
MIPF0000173	2	0	1	miR-499-3p
MIPF0000178	2	0	2	miR-208b, miR-208
MIPF0000186	2	0	1	miR-299-3p
MIPF0000190	2	1	0	miR-342-3p
MIPF0000193	2	2	0	miR-339-5p, miR-339-3p
MIPF0000199	2	1	0	miR-331-5p
MIPF0000201	2	1	1	miR-485-3p, miR-485-5p
MIPF0000209	2	1	0	miR-362-3p
MIPF0000288	2	2	0	miR-374b, miR-374a
MIPF0000317	10	1	6	miR-548c-3p, miR-548c-5p, miR-570, miR-548a-5p, miR-548a-3p, miR-548b-3p, miR-579
MIPF0000319	2	1	1	miR-491-5p, miR-491-3p
MIPF0000342	2	0	1	miR-615-5p
MIPF0000386	3	0	3	miR-888, miR-890, miR-892a
MIPF0000409	2	0	1	miR-654-5p
MIPF0000417	2	1	0	miR-582-5p
MIPF0000420	2	0	1	miR-891b
MIPF0000430	2	0	1	miR-876-5p
MIPF0000475	2	0	2	miR-556-3p, miR-556-5p
MIPF0000532	2	0	1	miR-885-3p