

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntriCB	CntriHP	ADCB	ADHP	CntriCB	CntriHP	ADCB	ADHP	ADHP/CntriHP	ADCB/CntriCB	ADHP/ADCB	CntriHP/CntriCB
MammU6-4395470	18.88	20.87	18.76	20.78	22.12	20.13	22.24	20.22				
RNU44-4373384	25.96	24.97	25.98	22.98	15.04	16.03	15.02	18.02				
RNU48-4373383	22.99	22.98	22.99	25.98	18.01	18.02	18.01	15.02				
MeanEndogenousControls	22.61	22.94	22.58	23.25	18.39	18.06	18.42	17.75				
ath-miR159a-4373390	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00				
hsa-miR-96-4373009	26.02	26.04	25.94	40.00	14.98	14.96	15.06	1.00	0.07	1.01	0.07	1.00
hsa-miR-501-5p-4373226	26.74	27.04	24.99	36.00	14.26	13.96	16.01	5.00	0.36	1.12	0.31	0.98
hsa-miR-342-3p-4395371	21.98	22.98	20.96	31.00	19.02	18.02	20.04	10.00	0.56	1.05	0.50	0.95
hsa-miR-331-3p-4373046	21.98	22.97	21.97	30.97	19.02	18.03	19.03	10.03	0.56	1.00	0.53	0.95
hsa-miR-323-4373049	22.97	22.99	23.99	30.96	18.03	18.01	17.01	10.04	0.56	0.94	0.59	1.00
hsa-miR-370-4395386	26.00	25.99	26.99	31.98	15.00	15.01	14.01	9.02	0.60	0.93	0.64	1.00
hsa-miR-204-4373094	20.97	21.93	20.97	28.97	20.03	19.07	20.03	12.03	0.63	1.00	0.60	0.95
hsa-miR-211-4373088	22.13	22.11	40.00	28.98	18.87	18.89	1.00	12.02	0.64	0.05	12.02	1.00
hsa-miR-330-3p-4373047	28.02	26.93	26.95	30.97	12.98	14.07	14.05	10.03	0.71	1.08	0.71	1.08
hsa-miR-191-4395410	22.97	22.97	22.99	27.97	18.03	18.03	18.01	13.03	0.72	1.00	0.72	1.00
hsa-miR-345-4373038	28.08	28.00	26.12	31.01	12.92	13.00	14.89	9.99	0.77	1.15	0.67	1.01
hsa-miR-149-4395366	22.97	23.00	22.97	26.96	18.03	18.00	18.03	14.04	0.78	1.00	0.78	1.00
hsa-miR-139-5p-4395400	25.98	21.97	25.98	25.96	15.02	19.03	15.02	15.04	0.79	1.00	1.00	1.27
hsa-miR-208b-4395401	40.00	25.91	24.22	28.98	1.00	15.09	16.78	12.02	0.80	16.78	0.72	15.09
hsa-miR-138-4395395	24.97	21.94	24.97	24.99	16.03	19.06	16.03	16.01	0.84	1.00	1.00	1.19
hsa-miR-132-4373143	24.98	22.95	24.95	24.96	16.02	18.05	16.05	16.04	0.89	1.00	1.00	1.13
hsa-miR-184-4373113	29.96	25.95	28.94	26.99	11.04	15.05	12.06	14.01	0.93	1.09	1.16	1.36
hsa-miR-126-4395339	22.97	22.97	22.98	23.98	18.03	18.03	18.02	17.02	0.94	1.00	0.94	1.00
hsa-miR-181c-4373115	28.95	29.99	29.99	26.98	12.05	11.01	11.01	14.02	1.27	0.91	1.27	0.91
hsa-miR-152-4395170	29.97	29.97	28.96	26.96	11.03	11.03	12.04	14.04	1.27	1.09	1.17	1.00
hsa-miR-15a-4373123	28.97	33.04	29.01	26.97	12.03	7.96	11.99	14.03	1.76	1.00	1.17	0.66
hsa-miR-94373285	18.95	20.96	18.97	40.00	22.05	20.04	22.03	1.00	0.05	1.00	0.05	0.91
hsa-miR-99a-4373008	23.99	23.98	23.99	40.00	17.01	17.02	17.01	1.00	0.06	1.00	0.06	1.00
hsa-miR-98b-4373007	24.00	23.99	22.98	40.00	17.00	17.01	18.02	1.00	0.06	1.06	0.06	1.00
hsa-miR-885-5p-4395407	22.99	24.98	22.96	40.00	18.01	16.02	18.04	1.00	0.06	1.00	0.06	0.89
hsa-miR-539-4378103	25.96	25.94	25.97	40.00	15.04	15.06	15.03	1.00	0.07	1.00	0.07	1.00
hsa-miR-886-3p-4395305	28.00	25.96	27.97	40.00	13.00	15.04	13.03	1.00	0.07	1.00	0.08	1.16
hsa-miR-574-3p-4395460	27.99	25.99	26.93	40.00	13.01	15.01	14.07	1.00	0.07	1.08	0.07	1.15
hsa-miR-744-4395435	27.95	26.97	27.97	40.00	13.05	14.03	13.03	1.00	0.07	1.00	0.08	1.08
hsa-miR-95-4373011	25.96	26.97	25.97	40.00	15.04	14.03	15.03	1.00	0.07	1.00	0.07	0.93
hsa-miR-92a-4395169	27.99	26.98	27.98	40.00	13.01	14.02	13.02	1.00	0.07	1.00	0.08	1.08
hsa-miR-708-4395452	29.96	27.95	28.94	40.00	11.04	13.05	12.06	1.00	0.08	1.09	0.08	1.18
hsa-miR-874-4395379	26.98	27.95	25.95	40.00	14.02	13.05	15.05	1.00	0.08	1.07	0.07	0.93
hsa-miR-886-5p-4395304	29.97	27.96	29.99	40.00	11.03	13.04	11.01	1.00	0.08	1.00	0.09	1.18

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	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-93-4373302	28.98	27.97	27.96	40.00	12.02	13.03	13.04	1.00	0.08	1.08	0.08	1.08
hsa-miR-532-3p-4395466	26.99	27.98	26.97	40.00	14.01	13.02	14.03	1.00	0.08	1.00	0.07	0.93
hsa-miR-548d-3p-4381008	40.00	28.73	40.00	40.00	1.00	12.27	1.00	1.00	0.08	1.00	1.00	12.27
hsa-miR-576-5p-4395461	32.93	28.80	40.00	40.00	8.07	12.20	1.00	1.00	0.08	0.12	1.00	1.51
hsa-miR-887-4395485	28.95	28.80	40.00	40.00	12.05	12.20	1.00	1.00	0.08	0.08	1.00	1.01
hsa-miR-628-5p-4395544	27.92	28.93	28.94	40.00	13.08	12.07	12.06	1.00	0.08	0.92	0.08	0.92
hsa-miR-598-4395179	27.98	28.96	27.98	40.00	13.02	12.04	13.02	1.00	0.08	1.00	0.08	0.92
hsa-miR-532-5p-4380928	26.98	29.00	26.98	40.00	14.02	12.00	14.02	1.00	0.08	1.00	0.07	0.86
hsa-miR-655-4381015	28.96	29.97	28.97	40.00	12.04	11.03	12.03	1.00	0.09	1.00	0.08	0.92
hsa-miR-660-4380925	27.97	29.97	27.95	40.00	13.03	11.03	13.05	1.00	0.09	1.00	0.08	0.85
hsa-miR-671-3p-4395433	29.97	29.98	30.98	40.00	11.03	11.02	10.02	1.00	0.09	0.91	0.10	1.00
hsa-miR-652-4395463	29.96	30.00	29.99	40.00	11.04	11.00	11.01	1.00	0.09	1.00	0.09	1.00
hsa-miR-616-4395525	34.04	31.14	40.00	40.00	6.96	9.86	1.00	1.00	0.10	0.14	1.00	1.42
hsa-miR-590-5p-4395176	29.96	31.97	29.97	40.00	11.04	9.03	11.03	1.00	0.11	1.00	0.09	0.82
hsa-miR-625-4395542	30.01	31.98	30.00	40.00	10.99	9.02	11.00	1.00	0.11	1.00	0.09	0.82
hsa-miR-642-4380995	33.97	31.99	32.99	40.00	7.03	9.01	8.01	1.00	0.11	1.14	0.12	1.28
hsa-miR-541-4395312	33.97	31.99	34.00	40.00	7.03	9.01	7.00	1.00	0.11	1.00	0.14	1.28
hsa-miR-758-4395180	31.99	32.01	30.98	40.00	9.01	8.99	10.02	1.00	0.11	1.11	0.10	1.00
hsa-miR-519d-4395514	34.78	32.89	33.96	40.00	6.22	8.11	7.04	1.00	0.12	1.13	0.14	1.30
hsa-miR-891a-4395302	32.00	32.99	31.98	40.00	9.01	8.01	9.02	1.00	0.12	1.00	0.11	0.89
hsa-miR-889-4395313	30.98	33.00	30.98	40.00	10.02	8.00	10.02	1.00	0.13	1.00	0.10	0.80
hsa-miR-636-4395199	33.98	33.02	34.00	40.00	7.02	7.98	7.00	1.00	0.13	1.00	0.14	1.14
hsa-miR-518d-3p-4373248	33.98	33.04	40.00	40.00	7.02	7.96	1.00	1.00	0.13	0.14	1.00	1.13
hsa-miR-512-3p-4381034	40.00	33.08	35.98	40.00	1.00	7.92	5.02	1.00	0.13	5.02	0.20	7.92
hsa-miR-582-3p-4395510	33.13	33.74	35.09	40.00	7.87	7.26	5.91	1.00	0.14	0.75	0.17	0.92
hsa-miR-519a-4395526	36.04	33.93	33.98	40.00	4.96	7.07	7.02	1.00	0.14	1.41	0.14	1.42
hsa-miR-548d-5p-4395348	34.96	33.95	34.98	40.00	6.04	7.05	6.02	1.00	0.14	1.00	0.17	1.17
hsa-miR-548b-5p-4395519	40.00	33.97	35.95	40.00	1.00	7.03	5.05	1.00	0.14	5.05	0.20	7.03
hsa-miR-511-4373236	40.00	33.97	40.00	40.00	1.00	7.03	1.00	1.00	0.14	1.00	1.00	7.03
hsa-miR-597-4380960	32.97	33.99	32.96	40.00	8.03	7.01	8.04	1.00	0.14	1.00	0.12	0.87
hsa-miR-522-4395524	34.98	34.00	40.00	40.00	6.02	7.00	1.00	1.00	0.14	0.17	1.00	1.16
hsa-miR-654-5p-4381014	33.03	34.02	33.87	40.00	7.97	6.98	7.13	1.00	0.14	0.89	0.14	0.88
hsa-miR-518d-5p-4395500	40.00	34.36	40.00	40.00	1.00	6.64	1.00	1.00	0.15	1.00	1.00	6.64
hsa-miR-518e-4395506	34.08	34.79	33.80	40.00	6.92	6.21	7.20	1.00	0.16	1.04	0.14	0.90
hsa-miR-517c-4373264	35.02	34.96	34.00	40.00	5.98	6.04	7.00	1.00	0.17	1.17	0.14	1.01
hsa-miR-542-3p-4378101	40.00	34.96	35.17	40.00	1.00	6.04	5.84	1.00	0.17	5.84	0.17	6.04
hsa-miR-876-3p-4395336	40.00	34.98	40.00	40.00	1.00	6.02	1.00	1.00	0.17	1.00	1.00	6.02
hsa-miR-548c-5p-4395540	35.97	34.98	40.00	40.00	5.03	6.02	1.00	1.00	0.17	0.20	1.00	1.20
hsa-miR-561-4380938	40.00	35.44	40.00	40.00	1.00	5.56	1.00	1.00	0.18	1.00	1.00	5.56

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hsa-miR-556-5p-4395455	40.00	35.74	40.00	40.00	1.00	5.26	1.00	1.00	0.19	1.00	1.00	5.26
hsa-miR-509-5p-4395346	40.00	35.88	31.86	40.00	1.00	5.12	9.14	1.00	0.20	9.14	0.11	5.12
hsa-miR-589-4395520	33.98	35.95	33.98	40.00	7.02	5.05	7.02	1.00	0.20	1.00	0.14	0.72
hsa-miR-548a-3p-4380948	40.00	35.96	35.97	40.00	1.00	5.04	5.04	1.00	0.20	5.04	0.20	5.04
hsa-miR-618-4380996	34.99	35.99	32.98	40.00	6.01	5.01	8.02	1.00	0.20	1.33	0.12	0.83
hsa-miR-888-4395323	33.97	35.99	33.97	40.00	7.03	5.01	7.03	1.00	0.20	1.00	0.14	0.71
hsa-miR-517a-4395513	35.02	36.01	33.99	40.00	5.98	4.99	7.01	1.00	0.20	1.17	0.14	0.84
hsa-miR-325-4373051	40.00	6.28	40.00	30.96	1.00	34.72	1.00	10.04	0.29	1.00	10.04	34.72
hsa-miR-337-5p-4395267	32.98	15.17	33.00	30.98	8.02	25.83	8.00	10.02	0.39	1.00	1.25	3.22
hsa-miR-495-4381078	26.95	27.96	27.98	35.90	14.05	13.04	13.02	5.10	0.39	0.93	0.39	0.93
hsa-miR-491-5p-4381053	27.98	25.95	26.95	34.87	13.02	15.05	14.05	6.13	0.41	1.08	0.44	1.16
hsa-miR-484-4381032	21.96	23.97	21.96	34.01	19.04	17.03	19.04	6.99	0.41	1.00	0.37	0.89
hsa-miR-504-4395195	34.05	29.98	32.02	36.05	6.95	11.02	8.98	4.95	0.45	1.29	0.55	1.59
hsa-miR-499-5p-4381047	40.00	29.88	31.80	35.97	1.00	11.12	9.20	5.03	0.45	9.20	0.55	11.12
hsa-miR-485-3p-4378095	26.97	25.94	26.97	34.01	14.03	15.06	14.03	6.99	0.46	1.00	0.50	1.07
hsa-miR-505-4395200	30.98	30.98	30.00	36.07	10.02	10.02	11.00	4.93	0.49	1.10	0.45	1.00
hsa-miR-450b-5p-4395318	40.00	26.75	40.00	33.92	1.00	14.25	1.00	7.08	0.50	1.00	7.08	14.25
hsa-miR-502-5p-4373227	32.00	31.10	31.95	36.01	9.00	9.90	9.05	4.99	0.50	1.01	0.55	1.10
hsa-miR-487b-4378102	28.98	28.98	28.98	34.61	12.02	12.02	12.02	6.39	0.53	1.00	0.53	1.00
hsa-miR-433-4373205	27.96	26.96	28.98	32.98	13.04	14.04	12.02	8.02	0.57	0.92	0.67	1.08
hsa-miR-222-4395387	25.96	21.95	24.95	29.95	15.04	19.05	16.05	11.05	0.58	1.07	0.69	1.27
hsa-miR-485-5p-4373212	28.96	29.00	28.95	34.03	12.04	12.00	12.05	6.97	0.58	1.00	0.58	1.00
hsa-miR-454-4395434	25.96	28.96	25.96	33.99	15.04	12.04	15.05	7.01	0.58	1.00	0.47	0.80
hsa-miR-494-4395476	29.97	30.97	29.96	35.05	11.03	10.03	11.04	5.95	0.59	1.00	0.54	0.91
hsa-miR-486-5p-4378096	29.97	30.05	29.98	34.47	11.03	10.95	11.02	6.53	0.60	1.00	0.59	0.99
hsa-miR-30c-4373060	20.97	22.97	20.96	30.24	20.03	18.03	20.04	10.76	0.60	1.00	0.54	0.90
hsa-miR-382-4373019	25.98	26.01	26.00	32.02	15.02	14.99	15.00	8.98	0.60	1.00	0.60	1.00
hsa-miR-374b-4381045	24.98	25.97	25.99	31.99	16.02	15.03	15.01	9.01	0.60	0.94	0.60	0.94
hsa-miR-24-4373072	22.98	22.97	22.99	29.97	18.02	18.03	18.01	11.03	0.61	1.00	0.61	1.00
hsa-miR-425-4380926	27.98	27.97	28.01	32.97	13.02	13.03	12.99	8.03	0.62	1.00	0.62	1.00
hsa-miR-488-4395468	31.98	30.96	32.98	34.74	9.02	10.04	8.02	6.26	0.62	0.89	0.78	1.11
hsa-miR-500-4395539	29.97	32.99	30.98	35.98	11.03	8.01	10.02	5.02	0.63	0.91	0.50	0.73
hsa-miR-320-4395388	22.97	24.97	22.95	30.87	18.03	16.03	18.05	10.13	0.63	1.00	0.56	0.89
hsa-miR-483-5p-4395449	30.96	29.96	30.94	34.00	10.04	11.04	10.06	7.00	0.63	1.00	0.70	1.10
hsa-miR-383-4373018	25.97	26.94	25.97	32.06	15.03	14.06	15.03	8.94	0.64	1.00	0.59	0.94
hsa-miR-451-4373360	29.97	29.95	28.97	33.96	11.03	11.05	12.03	7.04	0.64	1.09	0.59	1.00

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hsa-miR-30b-4373290	22.98	23.98	21.98	30.05	18.02	17.02	19.02	10.95	0.64	1.06	0.58	0.94
hsa-miR-29a-4395223	23.96	23.95	22.94	30.01	17.04	17.05	18.06	10.99	0.64	1.06	0.61	1.00
hsa-miR-26a-4395166	21.96	23.98	21.96	29.98	19.04	17.02	19.04	11.02	0.65	1.00	0.58	0.89
hsa-miR-34a-4395168	26.97	26.99	26.98	31.85	14.03	14.01	14.02	9.15	0.65	1.00	0.65	1.00
hsa-miR-411-4381013	26.95	28.97	27.99	32.96	14.05	12.03	13.01	8.04	0.67	0.93	0.62	0.86
hsa-miR-410-4378093	27.95	28.97	28.95	32.91	13.05	12.03	12.05	8.09	0.67	0.92	0.67	0.92
hsa-miR-490-3p-4373215	40.00	32.03	29.57	34.86	1.00	8.97	11.43	6.14	0.68	11.43	0.54	8.97
hsa-miR-223-4395406	25.96	24.95	24.97	29.96	15.04	16.05	16.03	11.04	0.69	1.07	0.69	1.07
hsa-miR-374a-4373028	26.96	27.94	27.98	31.99	14.04	13.06	13.02	9.01	0.69	0.93	0.69	0.93
hsa-miR-376c-4395233	24.98	27.98	24.99	32.00	16.02	13.02	16.01	9.00	0.69	1.00	0.56	0.81
hsa-miR-365-4373194	26.94	27.98	26.97	31.97	14.06	13.02	14.03	9.03	0.69	1.00	0.64	0.93
hsa-miR-455-3p-4395355	27.95	30.97	27.98	33.99	13.05	10.03	13.02	7.01	0.70	1.00	0.54	0.77
hsa-miR-323-3p-4395338	25.96	26.96	25.98	30.91	15.04	14.04	15.02	10.09	0.72	1.00	0.67	0.93
hsa-miR-23a-4373074	40.00	25.81	40.00	29.96	1.00	15.19	1.00	11.04	0.73	1.00	11.04	15.19
hsa-miR-376a-4373026	27.98	28.97	27.97	32.00	13.02	12.03	13.03	9.00	0.75	1.00	0.69	0.92
hsa-miR-375-4373027	30.97	28.96	30.98	31.99	10.03	12.04	10.02	9.01	0.75	1.00	0.90	1.20
hsa-miR-218-4373081	21.94	24.97	21.97	29.00	19.06	16.03	19.03	12.00	0.75	1.00	0.63	0.84
hsa-miR-379-4373349	26.94	28.99	26.95	32.01	14.06	12.01	14.05	8.99	0.75	1.00	0.64	0.85
hsa-miR-31-4395390	22.97	26.97	21.98	30.49	18.03	14.03	19.02	10.51	0.75	1.06	0.55	0.78
hsa-miR-496-4386771	40.00	34.31	36.03	35.96	1.00	6.69	4.97	5.04	0.75	4.97	1.02	6.69
hsa-miR-197-4373102	24.00	24.00	23.97	27.98	17.00	17.00	17.03	13.02	0.77	1.00	0.76	1.00
hsa-miR-345-4395297	26.98	27.98	25.95	31.00	14.02	13.02	15.05	10.00	0.77	1.07	0.66	0.93
hsa-miR-324-5p-4373052	27.96	27.94	27.96	30.96	13.04	13.06	13.04	10.04	0.77	1.00	0.77	1.00
hsa-miR-339-3p-4395295	26.98	27.98	26.99	30.99	14.02	13.02	14.01	10.01	0.77	1.00	0.71	0.93
hsa-miR-339-5p-4395368	28.03	27.98	28.99	30.99	12.97	13.02	12.01	10.01	0.77	0.93	0.83	1.00
hsa-miR-489-4395469	35.07	32.98	33.97	34.82	5.93	8.02	7.03	6.18	0.77	1.19	0.88	1.35
hsa-miR-26b-4395167	24.97	26.97	24.96	29.98	16.03	14.03	16.04	11.02	0.79	1.00	0.69	0.88
hsa-miR-221-4373077	30.96	27.01	30.98	29.95	10.04	13.99	10.02	11.05	0.79	1.00	1.10	1.39
hsa-miR-487a-4378097	32.97	32.97	32.98	34.59	8.03	8.03	8.02	6.41	0.80	1.00	0.80	1.00
hsa-miR-423-5p-4395451	30.95	31.01	29.97	32.96	10.05	9.99	11.03	8.04	0.80	1.10	0.73	0.99
hsa-miR-193b-4395478	25.96	24.98	26.98	27.97	15.04	16.02	14.02	13.03	0.81	0.93	0.93	1.07
hsa-miR-34c-5p-4373036	36.01	29.99	35.01	31.95	4.99	11.01	5.99	9.05	0.82	1.20	1.51	2.21
hsa-miR-181a-4373117	24.98	23.97	24.99	26.98	16.02	17.03	16.01	14.02	0.82	1.00	0.88	1.06

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-19b-4373098	25.00	25.98	24.97	28.61	16.00	15.02	16.03	12.39	0.83	1.00	0.77	0.94
hsa-miR-502-3p-4395194	33.99	34.98	32.97	36.01	7.01	6.02	8.03	4.99	0.83	1.15	0.62	0.86
hsa-miR-340-4395369	27.97	28.97	27.97	30.99	13.03	12.03	13.03	10.01	0.83	1.00	0.77	0.92
hsa-miR-145-4395389	22.98	22.97	22.95	25.98	18.02	18.03	18.05	15.02	0.83	1.00	0.83	1.00
hsa-miR-324-3p-4395272	27.99	28.98	27.97	30.95	13.01	12.02	13.03	10.05	0.84	1.00	0.77	0.92
hsa-miR-342-5p-4395258	27.98	29.04	27.99	31.00	13.02	11.96	13.01	10.00	0.84	1.00	0.77	0.92
hsa-miR-28-3p-4395557	26.97	27.95	25.94	29.98	14.03	13.05	15.06	11.02	0.84	1.07	0.73	0.93
hsa-miR-20a-4373286	26.98	26.98	26.98	28.98	14.02	14.02	14.02	12.02	0.86	1.00	0.86	1.00
hsa-miR-210-4373089	27.05	26.98	26.98	28.98	13.95	14.02	14.02	12.02	0.86	1.01	0.86	1.01
hsa-miR-150-4373127	24.95	24.97	24.97	26.96	16.05	16.03	16.03	14.04	0.88	1.00	0.88	1.00
hsa-miR-16-4373121	22.98	24.99	22.98	26.97	18.02	16.01	18.02	14.03	0.88	1.00	0.78	0.89
hsa-miR-361-5p-4373035	29.98	30.99	30.99	31.96	11.02	10.01	10.01	9.04	0.90	0.91	0.90	0.91
hsa-miR-409-5p-4395442	31.99	32.00	31.98	32.83	9.01	9.00	9.02	8.17	0.91	1.00	0.91	1.00
hsa-miR-335-4373045	29.97	29.97	29.96	30.98	11.03	11.03	11.04	10.02	0.91	1.00	0.91	1.00
hsa-miR-331-5p-4395344	30.96	30.03	31.00	30.98	10.04	10.97	10.00	10.02	0.91	1.00	1.00	1.09
hsa-miR-27b-4373068	27.96	28.97	27.97	29.98	13.04	12.03	13.03	11.02	0.92	1.00	0.85	0.92
hsa-miR-219-2-3p-4395501	29.99	27.95	29.98	29.01	11.01	13.05	11.02	11.99	0.92	1.00	1.09	1.19
hsa-miR-186-4395396	24.95	25.94	24.95	27.12	16.05	15.06	16.05	13.88	0.92	1.00	0.86	0.94
hsa-miR-212-4373087	28.98	27.98	29.99	28.98	12.02	13.02	11.02	12.02	0.92	0.92	1.09	1.08
hsa-miR-195-4373105	23.98	26.96	23.96	27.98	17.02	14.04	17.04	13.02	0.93	1.00	0.76	0.82
hsa-miR-17-4395419	25.95	25.96	25.96	26.97	15.05	15.04	15.04	14.03	0.93	1.00	0.93	1.00
hsa-miR-125b-4373148	22.98	22.99	21.94	23.97	18.02	18.01	19.06	17.03	0.95	1.06	0.89	1.00
hsa-miR-29c-4395171	28.00	29.99	27.98	30.02	13.00	11.01	13.02	10.99	1.00	1.00	0.84	0.85
hsa-miR-127-3p-4373147	23.98	23.95	23.98	23.98	17.02	17.05	17.02	17.02	1.00	1.00	1.00	1.00
hsa-miR-25-4373071	29.95	29.96	28.95	29.97	11.05	11.04	12.05	11.03	1.00	1.09	0.91	1.00
hsa-miR-455-5p-4378098	28.97	33.99	27.98	34.00	12.03	7.01	13.02	7.00	1.00	1.08	0.54	0.58
hsa-miR-146a-4373132	25.94	25.98	25.98	25.99	15.06	15.02	15.02	15.01	1.00	1.00	1.00	1.00
hsa-miR-509-3-5p-4395266	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-510-4395352	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-512-5p-4373238	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-513-5p-4395201	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-515-3p-4395480	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-515-5p-4373242	28.29	40.00	40.00	40.00	12.71	1.00	1.00	1.00	1.00	0.08	1.00	0.08
hsa-miR-516a-5p-4395527	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-516b-4395172	40.00	40.00	36.00	40.00	1.00	1.00	5.00	1.00	1.00	5.00	0.20	1.00
hsa-miR-517b-4373244	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-518a-3p-4395508	35.98	40.00	40.00	40.00	5.02	1.00	1.00	1.00	1.00	0.20	1.00	0.20
hsa-miR-518a-5p-4395507	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-518b-4373246	30.61	40.00	34.92	40.00	10.39	1.00	6.08	1.00	1.00	0.58	0.16	0.10

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)				
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB	
hsa-miR-518c-4395512	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-518f-4395499	40.00	40.00	37.14	40.00	1.00	1.00	3.86	1.00	1.00	3.86	0.26	1.00	1.00
hsa-miR-519c-3p-4373251	40.00	40.00	36.97	40.00	1.00	1.00	4.03	1.00	1.00	4.03	0.25	1.00	1.00
hsa-miR-519e-4395481	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-520a-3p-4373268	40.00	40.00	34.00	40.00	1.00	1.00	7.00	1.00	1.00	7.00	0.14	1.00	1.00
hsa-miR-520a-5p-4378085	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-520b-4373252	36.93	40.00	40.00	40.00	4.07	1.00	1.00	1.00	1.00	0.25	1.00	0.25	1.00
hsa-miR-520d-5p-4395504	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-520e-4373255	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-520f-4373256	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-520g-4373257	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-521-4373259	8.94	40.00	35.99	40.00	32.06	1.00	5.01	1.00	1.00	0.16	0.20	0.03	1.00
hsa-miR-523-4395497	40.00	40.00	35.99	40.00	1.00	1.00	5.01	1.00	1.00	5.01	0.20	1.00	1.00
hsa-miR-524-5p-4395174	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-525-3p-4395496	40.00	40.00	12.55	40.00	1.00	1.00	28.45	1.00	1.00	28.45	0.04	1.00	1.00
hsa-miR-525-5p-4378088	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-526b-4395493	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-542-5p-4395351	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-544-4395376	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-545-4395378	35.96	40.00	35.05	40.00	5.04	1.00	5.95	1.00	1.00	1.18	0.17	0.20	1.00
hsa-miR-548a-5p-4395523	40.00	40.00	20.75	40.00	1.00	1.00	20.25	1.00	1.00	20.25	0.05	1.00	1.00
hsa-miR-548b-3p-4380951	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-548c-3p-4380993	12.03	40.00	40.00	40.00	28.97	1.00	1.00	1.00	1.00	0.03	1.00	0.03	1.00
hsa-miR-551b-4380945	35.96	40.00	33.97	40.00	5.04	1.00	7.03	1.00	1.00	1.40	0.14	0.20	1.00
hsa-miR-556-3p-4395456	40.00	40.00	34.96	40.00	1.00	1.00	6.04	1.00	1.00	6.04	0.17	1.00	1.00
hsa-miR-570-4395458	40.00	40.00	35.95	40.00	1.00	1.00	5.05	1.00	1.00	5.05	0.20	1.00	1.00
hsa-miR-576-3p-4395462	36.99	40.00	34.96	40.00	4.01	1.00	6.04	1.00	1.00	1.51	0.17	0.25	1.00
hsa-miR-579-4395509	34.98	40.00	34.97	40.00	6.02	1.00	6.03	1.00	1.00	1.00	0.17	0.17	1.00
hsa-miR-582-5p-4395175	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-615-3p-4386777	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-615-5p-4395464	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-624-4395541	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-627-4380967	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-629-4395547	40.00	40.00	33.98	40.00	1.00	1.00	7.02	1.00	1.00	7.02	0.14	1.00	1.00

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-651-4381007	34.97	40.00	40.00	40.00	6.03	1.00	1.00	1.00	1.00	0.17	1.00	0.17
hsa-miR-653-4395403	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-654-3p-4395350	33.98	40.00	32.96	40.00	7.02	1.00	8.04	1.00	1.00	1.14	0.12	0.14
hsa-miR-672-4395438	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-674-4395193	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-871-4395465	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-872-4395375	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-873-4395467	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-875-3p-4395315	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-876-5p-4395316	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-885-3p-4395483	29.21	40.00	27.02	40.00	11.79	1.00	13.98	1.00	1.00	1.19	0.07	0.08
hsa-miR-890-4395320	40.00	40.00	31.92	40.00	1.00	1.00	9.08	1.00	1.00	9.08	0.11	1.00
hsa-miR-891b-4395321	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-892a-4395306	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-96-4373372	40.00	40.00	40.00	40.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
hsa-miR-21-4373090	27.97	28.98	27.98	28.98	13.03	12.02	13.02	12.02	1.00	1.00	0.92	0.92
hsa-miR-27a-4373287	29.97	29.98	30.00	29.98	11.03	11.02	11.00	11.02	1.00	1.00	1.00	1.00
hsa-miR-422a-4395408	33.01	32.97	33.97	32.96	7.99	8.03	7.03	8.04	1.00	0.88	1.14	1.00
hsa-miR-20b-4373263	29.97	28.99	28.98	28.98	11.03	12.01	12.02	12.02	1.00	1.09	1.00	1.09
hsa-miR-452-4395440	32.97	33.98	30.13	33.98	8.03	7.02	10.87	7.03	1.00	1.35	0.65	0.87
hsa-miR-15b-4373122	26.99	26.98	26.98	26.97	14.01	14.02	14.02	14.03	1.00	1.00	1.00	1.00
hsa-miR-296-5p-4373066	29.99	30.00	29.93	29.99	11.01	11.00	11.07	11.01	1.00	1.00	1.00	1.00
hsa-miR-338-3p-4395363	31.01	31.00	29.97	30.98	9.99	10.00	11.03	10.02	1.00	1.10	0.91	1.00
hsa-let-7e-4395517	21.96	22.99	22.00	22.95	19.04	18.01	19.00	18.05	1.00	1.00	0.95	0.95
hsa-miR-23b-4373073	30.00	30.02	30.03	29.97	11.01	10.98	10.97	11.03	1.00	1.00	1.01	1.00
hsa-miR-363-4378090	30.78	32.02	33.00	31.96	10.22	8.98	8.00	9.04	1.01	0.78	1.13	0.88
hsa-let-7b-4395446	20.94	23.00	21.00	21.97	20.06	18.00	20.00	19.03	1.06	1.00	0.95	0.90
hsa-miR-139-3p-4395424	29.96	25.96	29.01	25.00	11.04	15.04	11.99	16.00	1.06	1.09	1.33	1.36
hsa-miR-299-5p-4373188	30.96	30.69	31.01	30.01	10.04	10.31	9.99	10.99	1.07	0.99	1.10	1.03
hsa-miR-146b-5p-4373178	26.99	26.98	26.96	26.00	14.01	14.02	14.04	15.00	1.07	1.00	1.07	1.00
hsa-miR-219-5p-4373080	29.96	29.97	29.95	29.02	11.04	11.03	11.05	11.98	1.09	1.00	1.08	1.00
hsa-miR-301a-4373064	28.97	30.96	28.95	30.02	12.03	10.04	12.05	10.99	1.09	1.00	0.91	0.83
hsa-miR-28-5p-4373067	29.97	30.95	28.95	29.98	11.03	10.05	12.05	11.02	1.10	1.09	0.91	0.91
hsa-miR-329-4373191	31.99	31.99	31.99	30.97	9.01	9.01	9.01	10.03	1.11	1.00	1.11	1.00
hsa-miR-330-5p-4395341	33.09	32.02	31.99	30.97	7.91	8.98	9.01	10.03	1.12	1.14	1.11	1.13

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-326-4373050	34.93	32.02	33.98	30.96	6.07	8.98	7.02	10.04	1.12	1.16	1.43	1.48
hsa-miR-100-4373160	24.01	24.98	23.99	22.97	16.99	16.02	17.01	18.03	1.13	1.00	1.06	0.94
hsa-miR-362-5p-4378092	30.98	32.98	31.00	31.96	10.02	8.02	10.00	9.04	1.13	1.00	0.90	0.80
hsa-let-7c-4373167	24.98	24.96	23.94	22.93	16.02	16.04	17.06	18.07	1.13	1.06	1.06	1.00
hsa-miR-125a-5p-4395309	24.99	25.99	23.96	23.97	16.01	15.01	17.04	17.03	1.13	1.06	1.00	0.94
hsa-miR-449b-4381011	31.98	34.01	31.97	32.99	9.02	6.99	9.03	8.01	1.15	1.00	0.89	0.78
hsa-miR-128-4395327	25.99	26.97	24.96	24.90	15.01	14.03	16.04	16.10	1.15	1.07	1.00	0.93
hsa-miR-140-5p-4373374	25.94	27.97	25.96	25.96	15.06	13.03	15.04	15.04	1.15	1.00	1.00	0.87
hsa-miR-220b-4395317	30.94	30.94	30.97	29.25	10.06	10.06	10.03	11.75	1.17	1.00	1.17	1.00
hsa-miR-193a-5p-4395392	28.97	29.98	28.98	27.97	12.03	11.02	12.02	13.03	1.18	1.00	1.08	0.92
hsa-miR-106a-4395280	25.95	25.97	25.97	22.98	15.05	15.03	15.03	18.02	1.20	1.00	1.20	1.00
hsa-miR-203-4373095	31.98	30.96	31.98	28.96	9.02	10.04	9.02	12.04	1.20	1.00	1.33	1.11
hsa-let-7g-4395393	24.97	25.97	25.00	22.97	16.03	15.03	16.00	18.03	1.20	1.00	1.13	0.94
hsa-miR-493-4395475	35.00	35.98	34.99	34.98	6.00	5.02	6.01	6.02	1.20	1.00	1.00	0.84
hsa-let-7d-4395394	24.97	25.97	24.98	22.95	16.03	15.03	16.02	18.05	1.20	1.00	1.13	0.94
hsa-miR-200c-4395411	29.96	30.98	30.01	28.95	11.04	10.02	11.00	12.05	1.20	1.00	1.10	0.91
hsa-miR-214-4395417	32.00	31.01	31.98	28.98	9.00	9.99	9.02	12.02	1.20	1.00	1.33	1.11
hsa-miR-200b-4395362	32.02	31.03	31.93	28.95	8.98	9.97	9.07	12.05	1.21	1.01	1.33	1.11
hsa-miR-208-4373091	40.00	31.11	40.00	28.97	1.00	9.89	1.00	12.03	1.22	1.00	12.03	9.89
hsa-miR-29b-4373288	31.00	31.99	30.98	30.01	10.00	9.01	10.02	10.99	1.22	1.00	1.10	0.90
hsa-miR-133a-4395357	29.96	27.97	29.94	24.96	11.04	13.03	11.06	16.04	1.23	1.00	1.45	1.18
hsa-miR-134-4373299	27.98	27.98	27.97	24.97	13.02	13.02	13.03	16.03	1.23	1.00	1.23	1.00
hsa-miR-129-3p-4373297	25.96	27.98	27.00	24.94	15.04	13.02	14.00	16.06	1.23	0.93	1.15	0.87
hsa-miR-143-4395360	28.98	28.99	28.97	25.97	12.02	12.01	12.03	15.03	1.25	1.00	1.25	1.00
hsa-miR-185-4395382	30.99	29.98	29.97	26.99	10.01	11.02	11.03	14.01	1.27	1.10	1.27	1.10
hsa-miR-381-4373020	34.96	33.95	31.95	32.01	6.04	7.05	9.05	8.99	1.27	1.50	0.99	1.17
hsa-miR-103-4373158	26.99	26.97	25.96	22.98	14.01	14.03	15.04	18.02	1.28	1.07	1.20	1.00
hsa-let-7f-4373164	25.99	26.98	25.97	22.96	15.01	14.02	15.03	18.04	1.29	1.00	1.20	0.93
hsa-miR-19a-4373099	29.97	30.99	29.98	28.03	11.03	10.01	11.02	12.97	1.30	1.00	1.18	0.91
hsa-miR-199a-3p-4395415	29.97	30.98	29.97	27.99	11.03	10.02	11.03	13.01	1.30	1.00	1.18	0.91
hsa-miR-200a-4378069	29.00	31.74	40.00	28.94	12.00	9.26	1.00	12.06	1.30	0.08	12.06	0.77
hsa-miR-137-4373301	35.95	28.98	40.00	24.98	5.05	12.02	1.00	16.02	1.33	0.20	16.02	2.38
hsa-miR-140-3p-4395345	28.98	29.98	28.98	25.96	12.02	11.02	12.02	15.04	1.36	1.00	1.25	0.92
hsa-miR-22-4373079	33.96	32.94	29.02	29.96	7.04	8.06	11.98	11.04	1.37	1.70	0.92	1.15
hsa-miR-224-4395210	31.99	32.98	31.98	29.96	9.01	8.02	9.03	11.04	1.38	1.00	1.22	0.89
hsa-miR-148a-4373130	32.96	30.98	31.97	26.95	8.04	10.02	9.03	14.05	1.40	1.12	1.56	1.25

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-124-4373295	26.99	28.99	27.01	23.96	14.01	12.01	13.99	17.04	1.42	1.00	1.22	0.86
hsa-miR-194-4373106	27.97	31.97	27.95	27.98	13.03	9.03	13.05	13.02	1.44	1.00	1.00	0.69
hsa-miR-192-4373108	26.97	31.97	26.98	27.97	14.03	9.03	14.02	13.03	1.44	1.00	0.93	0.64
hsa-miR-187-4373307	32.02	31.98	30.97	27.93	8.98	9.02	10.03	13.07	1.45	1.12	1.30	1.00
hsa-miR-129-5p-4373171	30.00	30.01	30.98	24.96	11.00	10.99	10.02	16.04	1.46	0.91	1.60	1.00
hsa-let-7a-4373169	23.99	25.02	23.99	17.33	17.01	15.98	17.01	23.67	1.48	1.00	1.39	0.94
hsa-miR-202-4395474	34.10	32.93	31.81	28.96	6.90	8.08	9.19	12.04	1.49	1.33	1.31	1.17
hsa-miR-215-4373084	27.95	33.01	28.89	28.98	13.05	7.99	12.11	12.02	1.50	0.93	0.99	0.61
hsa-miR-148b-4373129	30.99	32.00	29.97	26.95	10.01	9.00	11.03	14.05	1.56	1.10	1.27	0.90
hsa-miR-133b-4395358	32.00	30.93	32.02	24.97	9.00	10.07	8.98	16.03	1.59	1.00	1.78	1.12
hsa-miR-449a-4373207	32.97	35.97	32.99	32.99	8.03	5.03	8.01	8.01	1.59	1.00	1.00	0.63
hsa-miR-135a-4373140	28.97	30.97	28.99	24.98	12.03	10.03	12.01	16.02	1.60	1.00	1.33	0.83
hsa-miR-429-4373203	40.00	35.99	40.00	32.97	1.00	5.01	1.00	8.03	1.60	1.00	8.03	5.01
hsa-miR-448-4373206	40.00	35.99	40.00	32.98	1.00	5.01	1.00	8.02	1.60	1.00	8.02	5.01
hsa-miR-130a-4373145	29.00	30.99	27.98	24.96	12.00	10.01	13.02	16.04	1.60	1.08	1.23	0.83
hsa-miR-106b-4373155	27.96	29.97	27.97	22.98	13.04	11.03	13.03	18.02	1.63	1.00	1.38	0.85
hsa-miR-155-4395459	40.00	19.11	34.90	4.59	1.00	21.89	6.10	36.41	1.66	6.10	5.97	21.89
hsa-miR-142-3p-4373136	30.95	31.99	32.97	25.97	10.05	9.01	8.03	15.03	1.67	0.80	1.87	0.90
hsa-miR-154-4373270	32.01	33.03	33.00	26.97	8.99	7.97	8.00	14.03	1.76	0.89	1.75	0.89
hsa-miR-130b-4373144	29.98	31.97	29.00	24.96	11.02	9.03	12.00	16.04	1.78	1.09	1.34	0.82
hsa-miR-377-4373025	40.00	35.98	40.00	32.00	1.00	5.02	1.00	9.00	1.79	1.00	9.00	5.02
hsa-miR-105-4395278	32.98	30.97	31.98	22.98	8.02	10.03	9.02	18.02	1.80	1.12	2.00	1.25
hsa-miR-10a-4373153	31.06	30.99	30.99	22.98	9.94	10.01	10.01	18.02	1.80	1.01	1.80	1.01
hsa-miR-302b-4378071	34.95	34.94	33.99	30.03	6.05	6.06	7.01	10.97	1.81	1.16	1.57	1.00
hsa-miR-196b-4395326	36.02	33.97	34.98	27.98	4.98	7.03	6.02	13.02	1.85	1.21	2.16	1.41
hsa-miR-190-4373110	31.95	33.98	32.97	27.96	9.05	7.02	8.03	13.04	1.86	0.89	1.62	0.78
hsa-miR-146b-3p-4395472	36.02	32.97	34.98	26.00	4.98	8.03	6.02	15.00	1.87	1.21	2.49	1.61
hsa-miR-18a-4395533	31.00	34.02	32.01	27.96	10.00	6.98	8.99	13.04	1.87	0.90	1.45	0.70
hsa-miR-107-4373154	29.99	31.94	29.99	22.98	11.01	9.07	11.01	18.02	1.99	1.00	1.64	0.82
hsa-miR-101-4395364	30.97	31.95	30.98	22.98	10.03	9.05	10.02	18.02	1.99	1.00	1.80	0.90
hsa-miR-135b-4395372	24.96	32.98	24.96	24.98	16.04	8.02	16.04	16.02	2.00	1.00	1.00	0.50
hsa-miR-125a-3p-4395310	31.96	32.97	30.97	23.96	9.04	8.03	10.03	17.04	2.12	1.11	1.70	0.89
hsa-miR-1-4395333	35.99	35.00	35.98	25.98	5.01	6.00	5.02	15.02	2.50	1.00	2.99	1.20

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-183-4395380	40.00	35.95	36.25	26.99	1.00	5.05	4.75	14.01	2.78	4.75	2.95	5.05
hsa-miR-182-4395445	40.00	35.95	40.00	26.99	1.00	5.05	1.00	14.01	2.78	1.00	14.01	5.05
hsa-miR-193a-3p-4395361	40.00	36.87	40.00	27.97	1.00	4.13	1.00	13.03	3.15	1.00	13.03	4.13
hsa-miR-136-4373173	36.95	36.00	35.14	24.98	4.05	5.00	5.86	16.02	3.20	1.45	2.73	1.23
hsa-miR-153-4373305	35.98	37.03	40.00	26.97	5.02	3.97	1.00	14.03	3.54	0.20	14.03	0.79
hsa-miR-508-5p-4395203	40.00	40.00	40.00	37.38	1.00	1.00	1.00	3.62	3.62	1.00	3.62	1.00
hsa-miR-508-3p-4373233	36.00	40.00	40.00	36.96	5.00	1.00	1.00	4.04	4.04	0.20	4.04	0.20
hsa-miR-507-4373232	40.00	40.00	37.28	36.20	1.00	1.00	3.72	4.80	4.80	3.72	1.29	1.00
hsa-miR-506-4373231	40.00	40.00	40.00	36.09	1.00	1.00	1.00	4.91	4.91	1.00	4.91	1.00
hsa-miR-503-4373228	40.00	40.00	40.00	36.02	1.00	1.00	1.00	4.98	4.98	1.00	4.98	1.00
hsa-miR-501-3p-4395546	30.80	40.00	40.00	35.99	10.20	1.00	1.00	5.01	5.01	0.10	5.01	0.10
hsa-miR-499-3p-4395538	40.00	40.00	40.00	35.97	1.00	1.00	1.00	5.03	5.03	1.00	5.03	1.00
hsa-miR-492-4373217	40.00	40.00	40.00	34.98	1.00	1.00	1.00	6.02	6.02	1.00	6.02	1.00
hsa-miR-491-3p-4395471	40.00	40.00	34.00	34.87	1.00	1.00	7.00	6.13	6.13	7.00	0.88	1.00
hsa-miR-486-3p-4395204	29.98	40.00	29.94	34.04	11.02	1.00	11.06	6.96	6.96	1.00	0.63	0.09
hsa-miR-453-4395429	40.00	40.00	40.00	33.99	1.00	1.00	1.00	7.01	7.01	1.00	7.01	1.00
hsa-miR-450b-3p-4395319	40.00	40.00	40.00	33.86	1.00	1.00	1.00	7.14	7.14	1.00	7.14	1.00
hsa-miR-450a-4395414	40.00	40.00	40.00	33.00	1.00	1.00	1.00	8.00	8.00	1.00	8.00	1.00
hsa-miR-431-4395173	36.00	40.00	33.34	32.98	5.00	1.00	7.67	8.02	8.02	1.53	1.05	0.20
hsa-miR-424-4373201	40.00	40.00	40.00	32.96	1.00	1.00	1.00	8.04	8.04	1.00	8.04	1.00
hsa-miR-412-4373199	36.04	40.00	40.00	32.96	4.96	1.00	1.00	8.04	8.04	0.20	8.04	0.20
hsa-miR-384-4373017	40.00	40.00	40.00	32.07	1.00	1.00	1.00	8.93	8.93	1.00	8.93	1.00
hsa-miR-380-4373022	30.20	40.00	30.85	32.01	10.80	1.00	10.15	8.99	8.99	0.94	0.89	0.09
hsa-miR-376b-4373196	40.00	40.00	40.00	32.00	1.00	1.00	1.00	9.00	9.00	1.00	9.00	1.00
hsa-miR-373-4378073	40.00	40.00	40.00	31.99	1.00	1.00	1.00	9.01	9.01	1.00	9.01	1.00
hsa-miR-372-4373029	35.97	40.00	35.96	31.98	5.03	1.00	5.04	9.02	9.02	1.00	1.79	0.20
hsa-miR-371-3p-4395235	40.00	40.00	40.00	31.98	1.00	1.00	1.00	9.02	9.02	1.00	9.02	1.00
hsa-miR-369-5p-4373195	35.98	40.00	34.98	31.97	5.02	1.00	6.02	9.03	9.03	1.20	1.50	0.20
hsa-miR-369-3p-4373032	34.97	40.00	35.97	31.97	6.03	1.00	5.03	9.03	9.03	0.84	1.79	0.17
hsa-miR-367-4373034	40.00	40.00	32.95	31.97	1.00	1.00	8.05	9.03	9.03	8.05	1.12	1.00
hsa-miR-362-3p-4395228	33.95	40.00	34.98	31.96	7.05	1.00	6.02	9.04	9.04	0.85	1.50	0.14
hsa-miR-33b-4395196	40.00	40.00	24.87	30.99	1.00	1.00	16.13	10.01	10.01	16.13	0.62	1.00
hsa-miR-32-4395220	40.00	40.00	40.00	30.95	1.00	1.00	1.00	10.05	10.05	1.00	10.05	1.00

Supplemental Table 1.

MicroRNA ABI Assay ID	Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
	CntrlCB	CntrlHP	ADCB	ADHP	CntrlCB	CntrlHP	ADCB	ADHP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
hsa-miR-302c-4378072	40.00	40.00	35.96	30.05	1.00	1.00	5.04	10.95	10.95	5.04	2.17	1.00
hsa-miR-302a-4378070	33.96	40.00	33.96	30.02	7.04	1.00	7.04	10.98	10.98	1.00	1.56	0.14
hsa-miR-301b-4395503	33.97	40.00	33.99	30.02	7.03	1.00	7.01	10.98	10.98	1.00	1.57	0.14
hsa-miR-299-3p-4373189	29.60	40.00	35.99	29.99	11.40	1.00	5.01	11.01	11.01	0.44	2.20	0.09
hsa-miR-298-4395301	40.00	40.00	40.00	29.99	1.00	1.00	1.00	11.01	11.01	1.00	11.01	1.00
hsa-miR-296-3p-4395212	40.00	40.00	40.00	29.98	1.00	1.00	1.00	11.02	11.02	1.00	11.02	1.00
hsa-miR-220c-4395322	40.00	40.00	40.00	29.70	1.00	1.00	1.00	11.30	11.30	1.00	11.30	1.00
hsa-miR-220-4373078	40.00	40.00	40.00	29.04	1.00	1.00	1.00	11.96	11.96	1.00	11.96	1.00
hsa-miR-219-1-3p-4395206	40.00	40.00	40.00	29.01	1.00	1.00	1.00	11.99	11.99	1.00	11.99	1.00
hsa-miR-217-4395448	40.00	40.00	40.00	28.99	1.00	1.00	1.00	12.01	12.01	1.00	12.01	1.00
hsa-miR-216b-4395437	40.00	40.00	24.62	28.99	1.00	1.00	16.38	12.01	12.01	16.38	0.73	1.00
hsa-miR-216a-4395331	40.00	40.00	40.00	28.99	1.00	1.00	1.00	12.01	12.01	1.00	12.01	1.00
hsa-miR-205-4373093	40.00	40.00	23.51	28.97	1.00	1.00	17.49	12.03	12.03	17.49	0.69	1.00
hsa-miR-199b-5p-4373100	40.00	40.00	40.00	28.02	1.00	1.00	1.00	12.98	12.98	1.00	12.98	1.00
hsa-miR-199a-5p-4373272	40.00	40.00	40.00	27.99	1.00	1.00	1.00	13.01	13.01	1.00	13.01	1.00
hsa-miR-198-4395384	40.00	40.00	40.00	27.98	1.00	1.00	1.00	13.02	13.02	1.00	13.02	1.00
hsa-miR-18b-4395328	40.00	40.00	40.00	27.96	1.00	1.00	1.00	13.04	13.04	1.00	13.04	1.00
hsa-miR-188-3p-4395217	35.92	40.00	40.00	27.95	5.08	1.00	1.00	13.05	13.05	0.20	13.05	0.20
hsa-miR-147b-4395373	40.00	40.00	22.38	26.94	1.00	1.00	18.62	14.06	14.06	18.62	0.76	1.00
hsa-miR-147-4373131	35.98	40.00	40.00	26.26	5.02	1.00	1.00	14.74	14.74	0.20	14.74	0.20
hsa-miR-142-5p-4395359	40.00	40.00	34.05	25.97	1.00	1.00	6.96	15.03	15.03	6.96	2.16	1.00
hsa-miR-141-4373137	35.99	40.00	36.00	25.97	5.01	1.00	5.00	15.03	15.03	1.00	3.01	0.20
hsa-miR-127-5p-4395340	40.00	40.00	26.46	24.01	1.00	1.00	14.54	16.99	16.99	14.54	1.17	1.00
hsa-miR-122-4395356	33.86	40.00	33.99	23.95	7.14	1.00	7.01	17.05	17.05	0.98	2.43	0.14
hsa-miR-10b-4395329	36.00	40.00	35.97	23.95	5.00	1.00	5.03	17.05	17.05	1.01	3.39	0.20

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta\text{CT} = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta\text{CT} = \Delta\text{CT}_{\text{brain region 1}} - \Delta\text{CT}_{\text{brain region 2}}$		
	$\Delta\text{CT}_{\text{CntrlCB}}$	$\Delta\text{CT}_{\text{CntrlHP}}$	$\Delta\text{CT}_{\text{ADCB}}$	$\Delta\text{CT}_{\text{ADHP}}$	$\Delta\Delta\text{CT}[\text{ADHP-CntrlHP}]$	$\Delta\Delta\text{CT}[\text{ADCB-CntrlCB}]$	$\Delta\Delta\text{CT}[\text{ADHP-ADCB}]$
MammU6-4395470							
RNU44-4373384							
RNU48-4373383							
MeanEndogenousControls							
ath-miR159a-4373390							
hsa-miR-98-4373009	26.02	26.04	25.94	40.00	13.96	-0.08	14.06
hsa-miR-501-5p-4373226	26.74	27.04	24.99	36.00	8.96	-1.76	11.01
hsa-miR-342-3p-4395371	21.98	22.98	20.96	31.00	8.02	-1.03	10.04
hsa-miR-331-3p-4373046	21.98	22.97	21.97	30.97	8.00	-0.01	9.01
hsa-miR-328-4373049	22.97	22.99	23.99	30.96	7.97	1.02	6.97
hsa-miR-370-4395386	26.00	25.99	26.99	31.98	5.99	0.99	4.99
hsa-miR-204-4373094	20.97	21.93	20.97	28.97	7.03	0.00	7.99
hsa-miR-211-4373088	22.13	22.11	40.00	28.98	6.87	17.87	-11.02
hsa-miR-330-3p-4373047	28.02	26.93	26.95	30.97	4.04	-1.07	4.02
hsa-miR-191-4395410	22.97	22.97	22.99	27.97	4.99	0.02	4.97
hsa-miR-346-4373038	28.08	28.00	26.12	31.01	3.01	-1.97	4.89
hsa-miR-149-4395366	22.97	23.00	22.97	26.96	3.96	0.00	3.99
hsa-miR-139-5p-4395400	25.98	21.97	25.98	25.96	3.99	0.00	-0.02
hsa-miR-208b-4395401	40.00	25.91	24.22	28.98	3.07	-15.78	4.75
hsa-miR-138-4395395	24.97	21.94	24.97	24.99	3.05	0.00	0.02
hsa-miR-132-4373143	24.98	22.95	24.95	24.96	2.01	-0.02	0.01
hsa-miR-184-4373113	29.96	25.95	28.94	26.99	1.04	-1.02	-1.95
hsa-miR-126-4395339	22.97	22.97	22.98	23.98	1.01	0.00	1.00
hsa-miR-181c-4373115	28.95	29.99	29.99	26.98	-3.01	1.04	-3.01
hsa-miR-152-4395170	29.97	29.97	28.96	26.96	-3.01	-1.02	-2.00
hsa-miR-15a-4373123	28.97	33.04	29.01	26.97	-6.07	0.03	-2.04
hsa-miR-9-4373285	18.95	20.96	18.97	40.00	19.04	0.02	21.03
hsa-miR-99a-4373008	23.99	23.98	23.99	40.00	16.02	0.01	16.01
hsa-miR-99b-4373007	24.00	23.99	22.98	40.00	16.01	-1.03	17.02
hsa-miR-885-5p-4395407	22.99	24.98	22.96	40.00	15.02	-0.03	17.04
hsa-miR-539-4378103	25.96	25.94	25.97	40.00	14.06	0.02	14.03
hsa-miR-886-3p-4395305	28.00	25.96	27.97	40.00	14.04	-0.03	12.03
hsa-miR-574-3p-4395460	27.99	25.99	26.93	40.00	14.01	-1.06	13.07
hsa-miR-744-4395435	27.95	26.97	27.97	40.00	13.03	0.01	12.03
hsa-miR-95-4373011	25.96	26.97	25.97	40.00	13.03	0.01	14.03
hsa-miR-92a-4395169	27.99	26.98	27.98	40.00	13.02	-0.02	12.02
hsa-miR-708-4395452	29.96	27.95	28.94	40.00	12.05	-1.02	11.06
hsa-miR-874-4395379	26.98	27.95	25.95	40.00	12.05	-1.03	14.05
hsa-miR-886-5p-4395304	29.97	27.96	29.99	40.00	12.04	0.03	10.01

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	$\Delta CT_{\text{ADCBCB}}$	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCBC-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCBC}]$
hsa-miR-93-4373302	28.98	27.97	27.96	40.00	12.03	-1.02	12.04
hsa-miR-532-3p-4395466	26.99	27.98	26.97	40.00	12.02	-0.02	13.03
hsa-miR-548d-3p-4381008	40.00	28.73	40.00	40.00	11.27	0.00	0.00
hsa-miR-576-5p-4395461	32.93	28.80	40.00	40.00	11.20	7.07	0.00
hsa-miR-887-4395485	28.95	28.80	40.00	40.00	11.20	11.05	0.00
hsa-miR-628-5p-4395544	27.92	28.93	28.94	40.00	11.07	1.02	11.06
hsa-miR-598-4395179	27.98	28.96	27.98	40.00	11.04	0.01	12.02
hsa-miR-532-5p-4380928	26.98	29.00	26.98	40.00	11.00	0.00	13.02
hsa-miR-655-4381015	28.96	29.97	28.97	40.00	10.03	0.01	11.03
hsa-miR-660-4380925	27.97	29.97	27.95	40.00	10.03	-0.02	12.05
hsa-miR-671-3p-4395433	29.97	29.98	30.98	40.00	10.02	1.01	9.02
hsa-miR-652-4395463	29.96	30.00	29.99	40.00	10.00	0.03	10.01
hsa-miR-616-4395525	34.04	31.14	40.00	40.00	8.86	5.96	0.00
hsa-miR-590-5p-4395176	29.96	31.97	29.97	40.00	8.03	0.01	10.03
hsa-miR-625-4395542	30.01	31.98	30.00	40.00	8.02	-0.01	10.00
hsa-miR-642-4380995	33.97	31.99	32.99	40.00	8.01	-0.98	7.01
hsa-miR-541-4395312	33.97	31.99	34.00	40.00	8.01	0.03	6.00
hsa-miR-758-4395180	31.99	32.01	30.98	40.00	7.99	-1.02	9.02
hsa-miR-519d-4395514	34.78	32.89	33.96	40.00	7.11	-0.82	6.04
hsa-miR-891a-4395302	32.00	32.99	31.98	40.00	7.01	-0.02	8.02
hsa-miR-889-4395313	30.98	33.00	30.98	40.00	7.00	0.00	9.02
hsa-miR-636-4395199	33.98	33.02	34.00	40.00	6.98	0.02	6.00
hsa-miR-518d-3p-4373248	33.98	33.04	40.00	40.00	6.96	6.02	0.00
hsa-miR-512-3p-4381034	40.00	33.08	35.98	40.00	6.92	-4.02	4.02
hsa-miR-582-3p-4395510	33.13	33.74	35.09	40.00	6.26	1.96	4.91
hsa-miR-519a-4395526	36.04	33.93	33.98	40.00	6.07	-2.05	6.02
hsa-miR-548d-5p-4395348	34.96	33.95	34.98	40.00	6.05	0.02	5.02
hsa-miR-548b-5p-4395519	40.00	33.97	35.95	40.00	6.03	-4.05	4.05
hsa-miR-511-4373236	40.00	33.97	40.00	40.00	6.03	0.00	0.00
hsa-miR-597-4380960	32.97	33.99	32.96	40.00	6.01	-0.01	7.04
hsa-miR-522-4395524	34.98	34.00	40.00	40.00	6.00	5.02	0.00
hsa-miR-654-5p-4381014	33.03	34.02	33.87	40.00	5.98	0.84	6.13
hsa-miR-518d-5p-4395500	40.00	34.36	40.00	40.00	5.64	0.00	0.00
hsa-miR-518e-4395506	34.08	34.79	33.80	40.00	5.21	-0.28	6.20
hsa-miR-517c-4373264	35.02	34.96	34.00	40.00	5.04	-1.02	6.00
hsa-miR-542-3p-4378101	40.00	34.96	35.17	40.00	5.04	-4.84	4.84
hsa-miR-876-3p-4395336	40.00	34.98	40.00	40.00	5.02	0.00	0.00
hsa-miR-548c-5p-4395540	35.97	34.98	40.00	40.00	5.02	4.03	0.00
hsa-miR-561-4380938	40.00	35.44	40.00	40.00	4.56	0.00	0.00

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-556-5p-4395455	40.00	35.74	40.00	40.00	4.26	0.00	0.00
hsa-miR-509-5p-4395346	40.00	35.88	31.86	40.00	4.12	-8.14	8.14
hsa-miR-589-4395520	33.98	35.95	33.98	40.00	4.05	-0.01	6.02
hsa-miR-548a-3p-4380948	40.00	35.96	35.97	40.00	4.04	-4.04	4.04
hsa-miR-618-4380996	34.99	35.99	32.98	40.00	4.01	-2.01	7.02
hsa-miR-888-4395323	33.97	35.99	33.97	40.00	4.01	0.00	6.03
hsa-miR-517a-4395513	35.02	36.01	33.99	40.00	3.99	-1.03	6.01
hsa-miR-325-4373051	40.00	6.28	40.00	30.96	24.68	0.00	-9.04
hsa-miR-337-5p-4395267	32.98	15.17	33.00	30.98	15.81	0.02	-2.02
hsa-miR-495-4381078	26.95	27.96	27.98	35.90	7.93	1.03	7.92
hsa-miR-491-5p-4381053	27.98	25.95	26.95	34.87	8.92	-1.03	7.93
hsa-miR-484-4381032	21.96	23.97	21.96	34.01	10.04	0.00	12.04
hsa-miR-504-4395195	34.05	29.98	32.02	36.05	6.07	-2.03	4.03
hsa-miR-499-5p-4381047	40.00	29.88	31.80	35.97	6.09	-8.20	4.18
hsa-miR-485-3p-4378095	26.97	25.94	26.97	34.01	8.07	0.00	7.05
hsa-miR-505-4395200	30.98	30.98	30.00	36.07	5.08	-0.99	6.07
hsa-miR-450b-5p-4395318	40.00	26.75	40.00	33.92	7.17	0.00	-6.08
hsa-miR-502-5p-4373227	32.00	31.10	31.95	36.01	4.90	-0.06	4.06
hsa-miR-487b-4378102	28.98	28.98	28.98	34.61	5.63	0.00	5.64
hsa-miR-433-4373205	27.96	26.96	28.98	32.98	6.02	1.01	4.01
hsa-miR-222-4395387	25.96	21.95	24.95	29.95	8.01	-1.01	5.01
hsa-miR-485-5p-4373212	28.96	29.00	28.95	34.03	5.04	-0.01	5.09
hsa-miR-454-4395434	25.96	28.96	25.96	33.99	5.03	0.00	8.04
hsa-miR-494-4395476	29.97	30.97	29.96	35.05	4.08	-0.01	5.09
hsa-miR-486-5p-4378096	29.97	30.05	29.98	34.47	4.42	0.01	4.50
hsa-miR-30c-4373060	20.97	22.97	20.96	30.24	7.26	-0.01	9.27
hsa-miR-382-4373019	25.98	26.01	26.00	32.02	6.02	0.01	6.03
hsa-miR-374b-4381045	24.98	25.97	25.99	31.99	6.02	1.01	6.00
hsa-miR-24-4373072	22.98	22.97	22.99	29.97	7.00	0.02	6.98
hsa-miR-425-4380926	27.98	27.97	28.01	32.97	4.99	0.03	4.95
hsa-miR-488-4395468	31.98	30.96	32.98	34.74	3.78	1.00	1.76
hsa-miR-500-4395539	29.97	32.99	30.98	35.98	2.99	1.02	5.00
hsa-miR-320-4395388	22.97	24.97	22.95	30.87	5.90	-0.02	7.92
hsa-miR-483-5p-4395449	30.96	29.96	30.94	34.00	4.05	-0.02	3.06
hsa-miR-383-4373018	25.97	26.94	25.97	32.06	5.12	0.00	6.10
hsa-miR-451-4373360	29.97	29.95	28.97	33.96	4.01	-1.00	4.99

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-30b-4373290	22.98	23.98	21.98	30.05	6.07	-1.00	8.07
hsa-miR-29a-4395223	23.96	23.95	22.94	30.01	6.06	-1.03	7.08
hsa-miR-26a-4395166	21.96	23.98	21.96	29.98	6.00	0.00	8.02
hsa-miR-34a-4395168	26.97	26.99	26.98	31.85	4.86	0.01	4.87
hsa-miR-411-4381013	26.95	28.97	27.99	32.96	3.99	1.04	4.97
hsa-miR-410-4378093	27.95	28.97	28.95	32.91	3.94	1.00	3.96
hsa-miR-490-3p-4373215	40.00	32.03	29.57	34.86	2.84	-10.43	5.30
hsa-miR-223-4395406	25.96	24.95	24.97	29.96	5.01	-0.99	4.99
hsa-miR-374a-4373028	26.96	27.94	27.98	31.99	4.04	1.02	4.01
hsa-miR-376c-4395233	24.98	27.98	24.99	32.00	4.02	0.01	7.01
hsa-miR-365-4373194	26.94	27.98	26.97	31.97	3.99	0.03	5.00
hsa-miR-455-3p-4395355	27.95	30.97	27.98	33.99	3.02	0.03	6.01
hsa-miR-323-3p-4395338	25.96	26.96	25.98	30.91	3.95	0.02	4.93
hsa-miR-23a-4373074	40.00	25.81	40.00	29.96	4.16	0.00	-10.04
hsa-miR-376a-4373026	27.98	28.97	27.97	32.00	3.03	-0.01	4.03
hsa-miR-375-4373027	30.97	28.96	30.98	31.99	3.03	0.01	1.01
hsa-miR-218-4373081	21.94	24.97	21.97	29.00	4.03	0.02	7.03
hsa-miR-379-4373349	26.94	28.99	26.95	32.01	3.02	0.01	5.05
hsa-miR-31-4395390	22.97	26.97	21.98	30.49	3.52	-0.99	8.51
hsa-miR-496-4386771	40.00	34.31	36.03	35.96	1.65	-3.97	-0.07
hsa-miR-197-4373102	24.00	24.00	23.97	27.98	3.98	-0.03	4.01
hsa-miR-345-4395297	26.98	27.98	25.95	31.00	3.02	-1.03	5.05
hsa-miR-324-5p-4373052	27.96	27.94	27.96	30.96	3.02	0.00	3.00
hsa-miR-339-3p-4395295	26.98	27.98	26.99	30.99	3.01	0.00	4.00
hsa-miR-339-5p-4395368	28.03	27.98	28.99	30.99	3.01	0.96	2.00
hsa-miR-489-4395469	35.07	32.98	33.97	34.82	1.84	-1.10	0.85
hsa-miR-26b-4395167	24.97	26.97	24.96	29.98	3.01	-0.01	5.02
hsa-miR-221-4373077	30.96	27.01	30.98	29.95	2.94	0.02	-1.03
hsa-miR-487a-4378097	32.97	32.97	32.98	34.59	1.62	0.01	1.61
hsa-miR-423-5p-4395451	30.95	31.01	29.97	32.96	1.95	-0.98	2.99
hsa-miR-193b-4395478	25.96	24.98	26.98	27.97	3.00	1.01	1.00
hsa-miR-34c-5p-4373036	36.01	29.99	35.01	31.95	1.96	-1.00	-3.06
hsa-miR-181a-4373117	24.98	23.97	24.99	26.98	3.01	0.01	1.99

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-19b-4373098	25.00	25.98	24.97	28.61	2.63	-0.02	3.64
hsa-miR-502-3p-4395194	33.99	34.98	32.97	36.01	1.03	-1.02	3.04
hsa-miR-340-4395369	27.97	28.97	27.97	30.99	2.02	0.00	3.03
hsa-miR-145-4395389	22.98	22.97	22.95	25.98	3.01	-0.02	3.03
hsa-miR-324-3p-4395272	27.99	28.98	27.97	30.95	1.98	-0.02	2.98
hsa-miR-342-5p-4395258	27.98	29.04	27.99	31.00	1.95	0.01	3.00
hsa-miR-28-3p-4395557	26.97	27.95	25.94	29.98	2.03	-1.03	4.04
hsa-miR-20a-4373286	26.98	26.98	26.98	28.98	1.99	0.00	1.99
hsa-miR-210-4373089	27.05	26.98	26.98	28.98	1.99	-0.07	2.00
hsa-miR-150-4373127	24.95	24.97	24.97	26.96	1.99	0.03	1.98
hsa-miR-16-4373121	22.98	24.99	22.98	26.97	1.98	0.00	3.99
hsa-miR-361-5p-4373035	29.98	30.99	30.99	31.96	0.96	1.01	0.97
hsa-miR-409-5p-4395442	31.99	32.00	31.98	32.83	0.83	-0.01	0.85
hsa-miR-335-4373045	29.97	29.97	29.96	30.98	1.01	-0.01	1.02
hsa-miR-331-5p-4395344	30.96	30.03	31.00	30.98	0.95	0.03	-0.02
hsa-miR-27b-4373068	27.96	28.97	27.97	29.98	1.01	0.01	2.02
hsa-miR-219-2-3p-4395501	29.99	27.95	29.98	29.01	1.06	-0.01	-0.97
hsa-miR-186-4395396	24.95	25.94	24.95	27.12	1.18	0.00	2.17
hsa-miR-212-4373087	28.98	27.98	29.99	28.98	1.00	1.01	-1.01
hsa-miR-195-4373105	23.98	26.96	23.96	27.98	1.02	-0.02	4.02
hsa-miR-17-4395419	25.95	25.96	25.96	26.97	1.01	0.00	1.02
hsa-miR-125b-4373148	22.98	22.99	21.94	23.97	0.99	-1.04	2.03
hsa-miR-29c-4395171	28.00	29.99	27.98	30.02	0.03	-0.02	2.04
hsa-miR-127-3p-4373147	23.98	23.95	23.98	23.98	0.03	0.00	0.00
hsa-miR-25-4373071	29.95	29.96	28.95	29.97	0.01	-1.01	1.03
hsa-miR-455-5p-4378098	28.97	33.99	27.98	34.00	0.01	-1.00	6.02
hsa-miR-146a-4373132	25.94	25.98	25.98	25.99	0.01	0.04	0.02
hsa-miR-509-3-5p-4395266	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-510-4395352	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-512-5p-4373238	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-513-5p-4395201	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-515-3p-4395480	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-515-5p-4373242	28.29	40.00	40.00	40.00	0.00	11.71	0.00
hsa-miR-516a-5p-4395527	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-516b-4395172	40.00	40.00	36.00	40.00	0.00	-4.00	4.00
hsa-miR-517b-4373244	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-518a-3p-4395508	35.98	40.00	40.00	40.00	0.00	4.02	0.00
hsa-miR-518a-5p-4395507	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-518b-4373246	30.61	40.00	34.92	40.00	0.00	4.32	5.08

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-518c-4395512	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-518f-4395499	40.00	40.00	37.14	40.00	0.00	-2.86	2.86
hsa-miR-519c-3p-4373251	40.00	40.00	36.97	40.00	0.00	-3.03	3.03
hsa-miR-519e-4395481	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-520a-3p-4373268	40.00	40.00	34.00	40.00	0.00	-6.00	6.00
hsa-miR-520a-5p-4378085	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-520b-4373252	36.93	40.00	40.00	40.00	0.00	3.07	0.00
hsa-miR-520d-5p-4395504	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-520e-4373255	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-520f-4373256	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-520g-4373257	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-521-4373259	8.94	40.00	35.99	40.00	0.00	27.05	4.01
hsa-miR-523-4395497	40.00	40.00	35.99	40.00	0.00	-4.01	4.01
hsa-miR-524-5p-4395174	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-525-3p-4395496	40.00	40.00	12.55	40.00	0.00	-27.45	27.45
hsa-miR-525-5p-4378088	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-526b-4395493	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-542-5p-4395351	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-544-4395376	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-545-4395378	35.96	40.00	35.05	40.00	0.00	-0.91	4.95
hsa-miR-548a-5p-4395523	40.00	40.00	20.75	40.00	0.00	-19.25	19.25
hsa-miR-548b-3p-4380951	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-548c-3p-4380993	12.03	40.00	40.00	40.00	0.00	27.97	0.00
hsa-miR-551b-4380945	35.96	40.00	33.97	40.00	0.00	-2.00	6.03
hsa-miR-556-3p-4395456	40.00	40.00	34.96	40.00	0.00	-5.04	5.04
hsa-miR-570-4395458	40.00	40.00	35.95	40.00	0.00	-4.05	4.05
hsa-miR-576-3p-4395462	36.99	40.00	34.96	40.00	0.00	-2.03	5.04
hsa-miR-579-4395509	34.98	40.00	34.97	40.00	0.00	-0.01	5.03
hsa-miR-582-5p-4395175	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-615-3p-4386777	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-615-5p-4395464	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-624-4395541	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-627-4380967	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-629-4395547	40.00	40.00	33.98	40.00	0.00	-6.02	6.02

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-651-4381007	34.97	40.00	40.00	40.00	0.00	5.03	0.00
hsa-miR-653-4395403	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-654-3p-4395350	33.98	40.00	32.96	40.00	0.00	-1.01	7.04
hsa-miR-672-4395438	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-674-4395193	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-871-4395465	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-872-4395375	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-873-4395467	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-875-3p-4395315	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-876-5p-4395316	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-885-3p-4395483	29.21	40.00	27.02	40.00	0.00	-2.19	12.98
hsa-miR-890-4395320	40.00	40.00	31.92	40.00	0.00	-8.08	8.08
hsa-miR-891b-4395321	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-892a-4395306	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-96-4373372	40.00	40.00	40.00	40.00	0.00	0.00	0.00
hsa-miR-21-4373090	27.97	28.98	27.98	28.98	0.00	0.00	1.00
hsa-miR-27a-4373287	29.97	29.98	30.00	29.98	0.00	0.03	-0.02
hsa-miR-422a-4395408	33.01	32.97	33.97	32.96	-0.01	0.97	-1.01
hsa-miR-20b-4373263	29.97	28.99	28.98	28.98	-0.01	-0.99	0.00
hsa-miR-452-4395440	32.97	33.98	30.13	33.98	-0.01	-2.84	3.85
hsa-miR-15b-4373122	26.99	26.98	26.98	26.97	-0.02	0.00	-0.02
hsa-miR-296-5p-4373066	29.99	30.00	29.93	29.99	-0.01	-0.05	0.05
hsa-miR-338-3p-4395363	31.01	31.00	29.97	30.98	-0.02	-1.04	1.01
hsa-let-7e-4395517	21.96	22.99	22.00	22.95	-0.05	0.04	0.94
hsa-miR-23b-4373073	30.00	30.02	30.03	29.97	-0.05	0.04	-0.06
hsa-miR-363-4378090	30.78	32.02	33.00	31.96	-0.06	2.22	-1.04
hsa-let-7b-4395446	20.94	23.00	21.00	21.97	-1.03	0.07	0.97
hsa-miR-139-3p-4395424	29.96	25.96	29.01	25.00	-0.96	-0.96	-4.01
hsa-miR-299-5p-4373188	30.96	30.69	31.01	30.01	-0.69	0.05	-1.00
hsa-miR-146b-5p-4373178	26.99	26.98	26.96	26.00	-0.98	-0.03	-0.95
hsa-miR-219-5p-4373080	29.96	29.97	29.95	29.02	-0.96	-0.01	-0.93
hsa-miR-301a-4373064	28.97	30.96	28.95	30.02	-0.95	-0.02	1.06
hsa-miR-28-5p-4373067	29.97	30.95	28.95	29.98	-0.97	-1.02	1.03
hsa-miR-329-4373191	31.99	31.99	31.99	30.97	-1.02	0.00	-1.02
hsa-miR-330-5p-4395341	33.09	32.02	31.99	30.97	-1.05	-1.09	-1.02

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT_{[\text{ADHP-CntrlHP}]}$	$\Delta\Delta CT_{[\text{ADCB-CntrlCB}]}$	$\Delta\Delta CT_{[\text{ADHP-ADCB}]}$
hsa-miR-326-4373050	34.93	32.02	33.98	30.96	-1.05	-0.95	-3.02
hsa-miR-100-4373160	24.01	24.98	23.99	22.97	-2.00	-0.02	-1.02
hsa-miR-362-5p-4378092	30.98	32.98	31.00	31.96	-1.01	0.02	0.96
hsa-let-7c-4373167	24.98	24.96	23.94	22.93	-2.03	-1.03	-1.01
hsa-miR-125a-5p-4395309	24.99	25.99	23.96	23.97	-2.02	-1.03	0.01
hsa-miR-449b-4381011	31.98	34.01	31.97	32.99	-1.02	-0.02	1.03
hsa-miR-128-4395327	25.99	26.97	24.96	24.90	-2.07	-1.04	-0.05
hsa-miR-140-5p-4373374	25.94	27.97	25.96	25.96	-2.01	0.02	0.00
hsa-miR-220b-4395317	30.94	30.94	30.97	29.25	-1.69	0.02	-1.72
hsa-miR-193a-5p-4395392	28.97	29.98	28.98	27.97	-2.00	0.01	-1.01
hsa-miR-106a-4395280	25.95	25.97	25.97	22.98	-2.99	0.01	-2.99
hsa-miR-203-4373095	31.98	30.96	31.98	28.96	-2.00	0.00	-3.01
hsa-let-7g-4395393	24.97	25.97	25.00	22.97	-3.00	0.02	-2.03
hsa-miR-493-4395475	35.00	35.98	34.99	34.98	-1.01	-0.01	-0.01
hsa-let-7d-4395394	24.97	25.97	24.98	22.95	-3.02	0.01	-2.04
hsa-miR-200c-4395411	29.96	30.98	30.01	28.95	-2.03	0.05	-1.05
hsa-miR-214-4395417	32.00	31.01	31.98	28.98	-2.03	-0.02	-2.99
hsa-miR-200b-4395362	32.02	31.03	31.93	28.95	-2.08	-0.09	-2.98
hsa-miR-208-4373091	40.00	31.11	40.00	28.97	-2.14	0.00	-11.03
hsa-miR-29b-4373288	31.00	31.99	30.98	30.01	-1.98	-0.01	-0.97
hsa-miR-133a-4395357	29.96	27.97	29.94	24.96	-3.01	-0.02	-4.97
hsa-miR-134-4373299	27.98	27.98	27.97	24.97	-3.01	-0.01	-2.99
hsa-miR-129-3p-4373297	25.96	27.98	27.00	24.94	-3.05	1.03	-2.06
hsa-miR-143-4395360	28.98	28.99	28.97	25.97	-3.02	0.00	-3.00
hsa-miR-185-4395382	30.99	29.98	29.97	26.99	-2.99	-1.03	-2.98
hsa-miR-381-4373020	34.96	33.95	31.95	32.01	-1.94	-3.01	0.06
hsa-miR-103-4373158	26.99	26.97	25.96	22.98	-3.99	-1.03	-2.98
hsa-let-7f-4373164	25.99	26.98	25.97	22.96	-4.01	-0.02	-3.01
hsa-miR-19a-4373099	29.97	30.99	29.98	28.03	-2.95	0.01	-1.95
hsa-miR-199a-3p-4395415	29.97	30.98	29.97	27.99	-3.00	0.01	-1.99
hsa-miR-200a-4378069	29.00	31.74	40.00	28.94	-2.80	11.00	-11.06
hsa-miR-137-4373301	35.95	28.98	40.00	24.98	-3.99	4.05	-15.02
hsa-miR-140-3p-4395345	28.98	29.98	28.98	25.96	-4.02	0.00	-3.02
hsa-miR-22-4373079	33.96	32.94	29.02	29.96	-2.98	-4.95	0.94
hsa-miR-224-4395210	31.99	32.98	31.98	29.96	-3.02	-0.02	-2.01
hsa-miR-148a-4373130	32.96	30.98	31.97	26.95	-4.03	-0.99	-5.02

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-124-4373295	26.99	28.99	27.01	23.96	-5.04	0.02	-3.06
hsa-miR-194-4373106	27.97	31.97	27.95	27.98	-3.99	-0.01	0.02
hsa-miR-192-4373108	26.97	31.97	26.98	27.97	-4.00	0.02	0.99
hsa-miR-187-4373307	32.02	31.98	30.97	27.93	-4.05	-1.05	-3.04
hsa-miR-129-5p-4373171	30.00	30.01	30.98	24.96	-5.05	0.98	-6.03
hsa-let-7a-4373169	23.99	25.02	23.99	17.33	-7.69	0.00	-6.66
hsa-miR-202-4395474	34.10	32.93	31.81	28.96	-3.96	-2.29	-2.85
hsa-miR-215-4373084	27.95	33.01	28.89	28.98	-4.02	0.93	0.10
hsa-miR-148b-4373129	30.99	32.00	29.97	26.95	-5.05	-1.02	-3.02
hsa-miR-133b-4395358	32.00	30.93	32.02	24.97	-5.96	0.02	-7.05
hsa-miR-449a-4373207	32.97	35.97	32.99	32.99	-2.99	0.02	0.00
hsa-miR-135a-4373140	28.97	30.97	28.99	24.98	-5.99	0.02	-4.01
hsa-miR-429-4373203	40.00	35.99	40.00	32.97	-3.01	0.00	-7.03
hsa-miR-448-4373206	40.00	35.99	40.00	32.98	-3.01	0.00	-7.02
hsa-miR-130a-4373145	29.00	30.99	27.98	24.96	-6.03	-1.02	-3.02
hsa-miR-106b-4373155	27.96	29.97	27.97	22.98	-6.99	0.01	-4.99
hsa-miR-155-4395459	17.39	-3.83	12.32	-18.65	-14.83	-5.06	-30.98
hsa-miR-142-3p-4373136	30.95	31.99	32.97	25.97	-6.02	2.01	-7.00
hsa-miR-154-4373270	32.01	33.03	33.00	26.97	-6.06	0.99	-6.03
hsa-miR-130b-4373144	29.98	31.97	29.00	24.96	-7.01	-0.99	-4.04
hsa-miR-377-4373025	40.00	35.98	40.00	32.00	-3.97	0.00	-8.00
hsa-miR-105-4395278	32.98	30.97	31.98	22.98	-7.99	-1.00	-9.00
hsa-miR-10a-4373153	31.06	30.99	30.99	22.98	-8.01	-0.06	-8.01
hsa-miR-302b-4378071	34.95	34.94	33.99	30.03	-4.91	-0.96	-3.97
hsa-miR-196b-4395326	36.02	33.97	34.98	27.98	-6.00	-1.04	-7.00
hsa-miR-190-4373110	31.95	33.98	32.97	27.96	-6.02	1.01	-5.00
hsa-miR-146b-3p-4395472	36.02	32.97	34.98	26.00	-6.97	-1.04	-8.99
hsa-miR-18a-4395533	31.00	34.02	32.01	27.96	-6.07	1.01	-4.05
hsa-miR-107-4373154	29.99	31.94	29.99	22.98	-8.96	0.00	-7.01
hsa-miR-101-4395364	30.97	31.95	30.98	22.98	-8.98	0.01	-8.00
hsa-miR-135b-4395372	24.96	32.98	24.96	24.98	-8.00	0.00	0.02
hsa-miR-125a-3p-4395310	31.96	32.97	30.97	23.96	-9.01	-0.99	-7.01
hsa-miR-1-4395333	35.99	35.00	35.98	25.98	-9.02	-0.02	-10.00

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta\text{CT} = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta\text{CT} = \Delta\text{CT}_{\text{brain region 1}} - \Delta\text{CT}_{\text{brain region 2}}$		
	$\Delta\text{CT}_{\text{CntrlCB}}$	$\Delta\text{CT}_{\text{CntrlHP}}$	$\Delta\text{CT}_{\text{ADCB}}$	$\Delta\text{CT}_{\text{ADHP}}$	$\Delta\Delta\text{CT}[\text{ADHP-CntrlHP}]$	$\Delta\Delta\text{CT}[\text{ADCB-CntrlCB}]$	$\Delta\Delta\text{CT}[\text{ADHP-ADCB}]$
hsa-miR-183-4395380	40.00	35.95	36.25	26.99	-8.96	-3.75	-9.26
hsa-miR-182-4395445	40.00	35.95	40.00	26.99	-8.97	0.00	-13.01
hsa-miR-193a-3p-4395361	40.00	36.87	40.00	27.97	-8.90	0.00	-12.03
hsa-miR-136-4373173	36.95	36.00	35.14	24.98	-11.02	-1.81	-10.16
hsa-miR-153-4373305	35.98	37.03	40.00	26.97	-10.07	4.02	-13.03
hsa-miR-508-5p-4395203	40.00	40.00	40.00	37.38	-2.62	0.00	-2.62
hsa-miR-508-3p-4373233	36.00	40.00	40.00	36.96	-3.04	4.00	-3.04
hsa-miR-507-4373232	40.00	40.00	37.28	36.20	-3.80	-2.72	-1.08
hsa-miR-506-4373231	40.00	40.00	40.00	36.09	-3.91	0.00	-3.91
hsa-miR-503-4373228	40.00	40.00	40.00	36.02	-3.98	0.00	-3.98
hsa-miR-501-3p-4395546	30.80	40.00	40.00	35.99	-4.01	9.20	-4.01
hsa-miR-499-3p-4395538	40.00	40.00	40.00	35.97	-4.03	0.00	-4.03
hsa-miR-492-4373217	40.00	40.00	40.00	34.98	-5.02	0.00	-5.02
hsa-miR-491-3p-4395471	40.00	40.00	34.00	34.87	-5.13	-6.00	0.87
hsa-miR-486-3p-4395204	29.98	40.00	29.94	34.04	-5.96	-0.05	4.11
hsa-miR-453-4395429	40.00	40.00	40.00	33.99	-6.01	0.00	-6.01
hsa-miR-450b-3p-4395319	40.00	40.00	40.00	33.86	-6.14	0.00	-6.14
hsa-miR-450a-4395414	40.00	40.00	40.00	33.00	-7.00	0.00	-7.00
hsa-miR-431-4395173	36.00	40.00	33.34	32.98	-7.02	-2.66	-0.36
hsa-miR-424-4373201	40.00	40.00	40.00	32.96	-7.04	0.00	-7.04
hsa-miR-412-4373199	36.04	40.00	40.00	32.96	-7.04	3.96	-7.04
hsa-miR-384-4373017	40.00	40.00	40.00	32.07	-7.93	0.00	-7.93
hsa-miR-380-4373022	30.20	40.00	30.85	32.01	-7.99	0.65	1.16
hsa-miR-376b-4373196	40.00	40.00	40.00	32.00	-8.00	0.00	-8.00
hsa-miR-373-4378073	40.00	40.00	40.00	31.99	-8.01	0.00	-8.01
hsa-miR-372-4373029	35.97	40.00	35.96	31.98	-8.02	-0.02	-3.98
hsa-miR-371-3p-4395235	40.00	40.00	40.00	31.98	-8.02	0.00	-8.02
hsa-miR-369-5p-4373195	35.98	40.00	34.98	31.97	-8.03	-1.00	-3.01
hsa-miR-369-3p-4373032	34.97	40.00	35.97	31.97	-8.03	0.99	-3.99
hsa-miR-367-4373034	40.00	40.00	32.95	31.97	-8.03	-7.05	-0.98
hsa-miR-362-3p-4395228	33.95	40.00	34.98	31.96	-8.04	1.03	-3.02
hsa-miR-33b-4395196	40.00	40.00	24.87	30.99	-9.01	-15.13	6.12
hsa-miR-32-4395220	40.00	40.00	40.00	30.95	-9.05	0.00	-9.05

Supplemental Table 1.

MicroRNA ABI Assay ID	$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$		
	$\Delta CT_{\text{CntrlCB}}$	$\Delta CT_{\text{CntrlHP}}$	ΔCT_{ADCB}	ΔCT_{ADHP}	$\Delta\Delta CT[\text{ADHP-CntrlHP}]$	$\Delta\Delta CT[\text{ADCB-CntrlCB}]$	$\Delta\Delta CT[\text{ADHP-ADCB}]$
hsa-miR-302c-4378072	40.00	40.00	35.96	30.05	-9.95	-4.04	-5.91
hsa-miR-302a-4378070	33.96	40.00	33.96	30.02	-9.98	0.00	-3.94
hsa-miR-301b-4395503	33.97	40.00	33.99	30.02	-9.98	0.02	-3.97
hsa-miR-299-3p-4373189	29.60	40.00	35.99	29.99	-10.01	6.39	-6.00
hsa-miR-298-4395301	40.00	40.00	40.00	29.99	-10.01	0.00	-10.01
hsa-miR-296-3p-4395212	40.00	40.00	40.00	29.98	-10.02	0.00	-10.02
hsa-miR-220c-4395322	40.00	40.00	40.00	29.70	-10.30	0.00	-10.30
hsa-miR-220-4373078	40.00	40.00	40.00	29.04	-10.96	0.00	-10.96
hsa-miR-219-1-3p-4395206	40.00	40.00	40.00	29.01	-10.99	0.00	-10.99
hsa-miR-217-4395448	40.00	40.00	40.00	28.99	-11.01	0.00	-11.01
hsa-miR-216b-4395437	40.00	40.00	24.62	28.99	-11.01	-15.38	4.37
hsa-miR-216a-4395331	40.00	40.00	40.00	28.99	-11.01	0.00	-11.01
hsa-miR-205-4373093	40.00	40.00	23.51	28.97	-11.03	-16.49	5.46
hsa-miR-199b-5p-4373100	40.00	40.00	40.00	28.02	-11.98	0.00	-11.98
hsa-miR-199a-5p-4373272	40.00	40.00	40.00	27.99	-12.01	0.00	-12.01
hsa-miR-198-4395384	40.00	40.00	40.00	27.98	-12.02	0.00	-12.02
hsa-miR-18b-4395328	40.00	40.00	40.00	27.96	-12.04	0.00	-12.04
hsa-miR-188-3p-4395217	35.92	40.00	40.00	27.95	-12.05	4.08	-12.05
hsa-miR-147b-4395373	40.00	40.00	22.38	26.94	-13.06	-17.62	4.56
hsa-miR-147-4373131	35.98	40.00	40.00	26.26	-13.74	4.02	-13.74
hsa-miR-142-5p-4395359	40.00	40.00	34.05	25.97	-14.03	-5.96	-8.08
hsa-miR-141-4373137	35.99	40.00	36.00	25.97	-14.03	0.01	-10.04
hsa-miR-127-5p-4395340	40.00	40.00	26.46	24.01	-15.99	-13.54	-2.45
hsa-miR-122-4395356	33.86	40.00	33.99	23.95	-16.05	0.12	-10.04
hsa-miR-10b-4395329	36.00	40.00	35.97	23.95	-16.05	-0.03	-12.02

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ^{-ΔΔCT}				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
MammU6-4395470					
RNU44-4373384					
RNU48-4373383					
MeanEndogenousControls					
ath-miR159a-4373390					
hsa-miR-98-4373009	0.02	0.00	2.17	0.00	1.96
hsa-miR-501-5p-4373226	0.30	0.00	11.60	0.00	1.49
hsa-miR-342-3p-4395371	1.00	0.00	5.58	0.00	0.74
hsa-miR-331-3p-4373046	0.99	0.00	2.03	0.00	0.74
hsa-miR-328-4373049	0.02	0.00	0.72	0.00	1.96
hsa-miR-370-4395386	-0.01	0.01	0.74	0.01	2.02
hsa-miR-204-4373094	0.96	0.00	2.00	0.00	0.76
hsa-miR-211-4373088	-0.02	0.00	0.00	122522.16	2.04
hsa-miR-330-3p-4373047	-1.09	0.04	5.83	0.04	5.94
hsa-miR-191-4395410	0.00	0.01	1.96	0.01	2.00
hsa-miR-346-4373038	-0.08	0.10	14.32	0.01	2.17
hsa-miR-149-4395366	0.03	0.04	1.99	0.04	1.94
hsa-miR-139-5p-4395400	-4.01	0.04	1.99	2.05	110.11
hsa-miR-208b-4395401	-14.09	0.09	14219817.96	0.02	2629612.83
hsa-miR-138-4395395	-3.03	0.09	2.00	1.95	41.20
hsa-miR-132-4373143	-2.03	0.27	2.05	1.98	15.15
hsa-miR-184-4373113	-4.01	0.70	5.55	14.03	110.54
hsa-miR-126-4395339	-0.01	0.73	2.00	0.74	2.02
hsa-miR-181c-4373115	1.04	40.42	0.71	40.52	0.71
hsa-miR-152-4395170	0.00	40.69	5.54	14.72	2.00
hsa-miR-15a-4373123	4.07	868.48	1.93	15.37	0.03
hsa-miR-9-4373285	2.01	0.00	1.96	0.00	0.27
hsa-miR-99a-4373008	-0.01	0.00	1.99	0.00	2.01
hsa-miR-99b-4373007	-0.01	0.00	5.60	0.00	2.03
hsa-miR-885-5p-4395407	1.99	0.00	2.05	0.00	0.27
hsa-miR-539-4378103	-0.01	0.00	1.97	0.00	2.02
hsa-miR-886-3p-4395305	-2.04	0.00	2.06	0.00	15.39
hsa-miR-574-3p-4395460	-2.00	0.00	5.75	0.00	14.79
hsa-miR-744-4395435	-0.99	0.00	1.97	0.00	5.36
hsa-miR-95-4373011	1.01	0.00	1.99	0.00	0.73
hsa-miR-92a-4395169	-1.01	0.00	2.03	0.00	5.49
hsa-miR-708-4395452	-2.02	0.00	5.54	0.00	15.00
hsa-miR-874-4395379	0.98	0.00	5.60	0.00	0.75
hsa-miR-886-5p-4395304	-2.01	0.00	1.95	0.00	14.86

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ⁻ ΔΔCT				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
hsa-miR-93-4373302	-1.01	0.00	5.53	0.00	5.48
hsa-miR-532-3p-4395466	0.99	0.00	2.04	0.00	0.74
hsa-miR-548d-3p-4381008	-11.27	0.00	2.00	2.00	156975.84
hsa-miR-576-5p-4395461	-4.14	0.00	0.00	2.00	125.19
hsa-miR-887-4395485	-0.15	0.00	0.00	2.00	2.32
hsa-miR-628-5p-4395544	1.01	0.00	0.72	0.00	0.73
hsa-miR-598-4395179	0.99	0.00	1.99	0.00	0.75
hsa-miR-532-5p-4380928	2.02	0.00	2.01	0.00	0.27
hsa-miR-655-4381015	1.01	0.00	1.97	0.00	0.73
hsa-miR-660-4380925	1.99	0.00	2.05	0.00	0.27
hsa-miR-671-3p-4395433	0.01	0.00	0.73	0.00	1.99
hsa-miR-652-4395463	0.04	0.00	1.94	0.00	1.93
hsa-miR-616-4395525	-2.90	0.00	0.01	2.00	36.48
hsa-miR-590-5p-4395176	2.02	0.00	1.98	0.00	0.27
hsa-miR-625-4395542	1.97	0.00	2.03	0.00	0.28
hsa-miR-642-4380995	-1.98	0.00	5.33	0.00	14.54
hsa-miR-541-4395312	-1.98	0.00	1.95	0.00	14.51
hsa-miR-758-4395180	0.02	0.00	5.54	0.00	1.96
hsa-miR-519d-4395514	-1.89	0.00	4.56	0.00	13.21
hsa-miR-891a-4395302	0.99	0.00	2.03	0.00	0.74
hsa-miR-889-4395313	2.02	0.00	1.99	0.00	0.26
hsa-miR-636-4395199	-0.96	0.00	1.96	0.00	5.21
hsa-miR-518d-3p-4373248	-0.94	0.00	0.00	2.00	5.11
hsa-miR-512-3p-4381034	-6.92	0.00	111.32	0.04	2019.38
hsa-miR-582-3p-4395510	0.61	0.00	0.28	0.01	1.09
hsa-miR-519a-4395526	-2.10	0.00	15.55	0.00	16.39
hsa-miR-548d-5p-4395348	-1.00	0.00	1.96	0.01	5.45
hsa-miR-548b-5p-4395519	-6.03	0.00	114.50	0.03	830.18
hsa-miR-511-4373236	-6.03	0.00	2.00	2.00	827.53
hsa-miR-597-4380960	1.02	0.00	2.02	0.00	0.72
hsa-miR-522-4395524	-0.98	0.00	0.01	2.00	5.31
hsa-miR-654-5p-4381014	0.99	0.01	0.86	0.00	0.75
hsa-miR-518d-5p-4395500	-5.64	0.01	2.00	2.00	562.64
hsa-miR-518e-4395506	0.71	0.01	2.65	0.00	0.98
hsa-miR-517c-4373264	-0.06	0.01	5.54	0.00	2.13
hsa-miR-542-3p-4378101	-5.04	0.01	251.68	0.02	308.51
hsa-miR-876-3p-4395336	-5.02	0.01	2.00	2.00	303.34
hsa-miR-548c-5p-4395540	-0.99	0.01	0.04	2.00	5.38
hsa-miR-561-4380938	-4.56	0.02	2.00	2.00	192.01

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ⁻ ΔΔCT				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
hsa-miR-556-5p-4395455	-4.26	0.03	2.00	2.00	141.42
hsa-miR-509-5p-4395346	-4.12	0.03	6827.04	0.00	122.63
hsa-miR-589-4395520	1.97	0.03	2.01	0.00	0.28
hsa-miR-548a-3p-4380948	-4.04	0.04	113.09	0.04	113.57
hsa-miR-618-4380996	1.00	0.04	14.89	0.00	0.74
hsa-miR-888-4395323	2.02	0.04	2.00	0.00	0.26
hsa-miR-517a-4395513	0.99	0.04	5.60	0.00	0.75
hsa-miR-325-4373051	-33.72	0.00	2.00	16798.54	880972194929269.00
hsa-miR-337-5p-4395267	-17.82	0.00	1.97	15.03	109140563.26
hsa-miR-495-4381078	1.01	0.00	0.72	0.00	0.73
hsa-miR-491-5p-4381053	-2.03	0.00	5.62	0.00	15.19
hsa-miR-484-4381032	2.00	0.00	2.01	0.00	0.27
hsa-miR-504-4395195	-4.07	0.00	15.19	0.04	116.92
hsa-miR-499-5p-4381047	-10.12	0.00	7312.55	0.03	49868.62
hsa-miR-485-3p-4378095	-1.03	0.00	2.01	0.00	5.58
hsa-miR-505-4395200	0.00	0.01	5.36	0.00	2.00
hsa-miR-450b-5p-4395318	-13.25	0.00	2.00	878.00	1136140.08
hsa-miR-502-5p-4373227	-0.90	0.01	2.12	0.03	4.92
hsa-miR-487b-4378102	0.00	0.01	2.01	0.01	2.00
hsa-miR-433-4373205	-1.01	0.00	0.73	0.04	5.46
hsa-miR-222-4395387	-4.01	0.00	5.48	0.01	110.05
hsa-miR-485-5p-4373212	0.04	0.01	2.02	0.01	1.93
hsa-miR-454-4395434	3.00	0.01	2.00	0.00	0.10
hsa-miR-494-4395476	1.00	0.03	2.01	0.01	0.73
hsa-miR-486-5p-4378096	0.08	0.02	1.99	0.02	1.85
hsa-miR-30c-4373060	2.00	0.00	2.01	0.00	0.27
hsa-miR-382-4373019	0.03	0.00	1.97	0.00	1.95
hsa-miR-374b-4381045	0.99	0.00	0.73	0.00	0.74
hsa-miR-24-4373072	0.00	0.00	1.97	0.00	2.01
hsa-miR-425-4380926	-0.01	0.01	1.93	0.01	2.01
hsa-miR-488-4395468	-1.02	0.05	0.74	0.34	5.52
hsa-miR-500-4395539	3.02	0.10	0.72	0.01	0.10
hsa-miR-320-4395388	2.00	0.01	2.04	0.00	0.27
hsa-miR-483-5p-4395449	-1.00	0.03	2.03	0.09	5.43
hsa-miR-383-4373018	0.97	0.01	2.01	0.00	0.76
hsa-miR-451-4373360	-0.02	0.04	5.43	0.01	2.05

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = $2^{-\Delta\Delta CT}$				
	$\Delta\Delta CT$ [CntrlHP-CntrlCB]	$2^{\Delta} - \Delta\Delta CT$ [ADHP-CntrlHP]	$2^{\Delta} - \Delta\Delta CT$ [ADCB-CntrlCB]	$2^{\Delta} - \Delta\Delta CT$ [ADHP-ADCB]	$2^{\Delta} - \Delta\Delta CT$ [CntrlHP-CntrlCB]
hsa-miR-30b-4373290	1.00	0.00	5.45	0.00	0.74
hsa-miR-29a-4395223	-0.01	0.00	5.58	0.00	2.03
hsa-miR-26a-4395166	2.01	0.00	2.00	0.00	0.27
hsa-miR-34a-4395168	0.02	0.02	1.98	0.02	1.97
hsa-miR-411-4381013	2.02	0.04	0.71	0.01	0.26
hsa-miR-410-4378093	1.02	0.04	0.73	0.04	0.72
hsa-miR-490-3p-4373215	-7.97	0.12	68005.73	0.01	5804.26
hsa-miR-223-4395406	-1.01	0.01	5.36	0.01	5.48
hsa-miR-374a-4373028	0.98	0.04	0.72	0.04	0.75
hsa-miR-376c-4395233	3.01	0.04	1.97	0.00	0.10
hsa-miR-365-4373194	1.04	0.04	1.95	0.01	0.71
hsa-miR-455-3p-4395355	3.02	0.10	1.95	0.00	0.10
hsa-miR-323-3p-4395338	1.00	0.04	1.96	0.01	0.73
hsa-miR-23a-4373074	-14.19	0.03	2.00	45690.57	2921615.23
hsa-miR-376a-4373026	0.99	0.10	2.02	0.04	0.75
hsa-miR-375-4373027	-2.01	0.10	1.98	0.73	14.88
hsa-miR-218-4373081	3.03	0.04	1.95	0.00	0.10
hsa-miR-379-4373349	2.04	0.10	1.99	0.01	0.26
hsa-miR-31-4395390	4.00	0.06	5.41	0.00	0.04
hsa-miR-496-4386771	-5.69	0.38	105.47	2.16	590.60
hsa-miR-197-4373102	0.00	0.04	2.07	0.04	2.01
hsa-miR-345-4395297	0.99	0.10	5.61	0.01	0.74
hsa-miR-324-5p-4373052	-0.02	0.10	2.00	0.10	2.04
hsa-miR-339-3p-4395295	0.99	0.10	1.99	0.04	0.74
hsa-miR-339-5p-4395368	-0.05	0.10	0.77	0.27	2.10
hsa-miR-489-4395469	-2.09	0.32	6.01	0.86	16.25
hsa-miR-26b-4395167	2.00	0.10	2.02	0.01	0.27
hsa-miR-221-4373077	-3.96	0.11	1.96	5.62	104.76
hsa-miR-487a-4378097	0.00	0.40	1.98	0.40	2.00
hsa-miR-423-5p-4395451	0.06	0.28	5.36	0.10	1.89
hsa-miR-193b-4395478	-0.98	0.10	0.73	0.74	5.35
hsa-miR-34c-5p-4373036	-6.02	0.28	5.43	42.66	825.22
hsa-miR-181a-4373117	-1.02	0.10	1.99	0.27	5.52

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ^{-ΔΔCT}				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
hsa-miR-19b-4373098	0.99	0.14	2.04	0.05	0.74
hsa-miR-502-3p-4395194	0.99	0.72	5.54	0.10	0.74
hsa-miR-340-4395369	1.01	0.27	2.00	0.10	0.73
hsa-miR-145-4395389	-0.01	0.10	2.05	0.10	2.02
hsa-miR-324-3p-4395272	0.98	0.28	2.04	0.10	0.75
hsa-miR-342-5p-4395258	1.06	0.28	1.98	0.10	0.69
hsa-miR-28-3p-4395557	0.98	0.26	5.60	0.04	0.75
hsa-miR-20a-4373286	0.00	0.27	2.00	0.27	2.00
hsa-miR-210-4373089	-0.07	0.27	2.16	0.27	2.15
hsa-miR-150-4373127	0.02	0.27	1.95	0.28	1.95
hsa-miR-16-4373121	2.01	0.28	2.01	0.04	0.27
hsa-miR-361-5p-4373035	1.01	0.76	0.73	0.76	0.73
hsa-miR-409-5p-4395442	0.01	0.87	2.01	0.86	1.99
hsa-miR-335-4373045	0.00	0.73	2.02	0.72	2.00
hsa-miR-331-5p-4395344	-0.94	0.77	1.93	2.04	5.10
hsa-miR-27b-4373068	1.02	0.73	1.98	0.27	0.72
hsa-miR-219-2-3p-4395501	-2.04	0.69	2.02	5.27	15.39
hsa-miR-186-4395396	0.99	0.62	2.01	0.23	0.74
hsa-miR-212-4373087	-1.00	0.74	0.73	5.46	5.43
hsa-miR-195-4373105	2.98	0.72	2.03	0.04	0.10
hsa-miR-17-4395419	0.01	0.73	1.99	0.72	1.98
hsa-miR-125b-4373148	0.00	0.74	5.64	0.26	1.99
hsa-miR-29c-4395171	1.99	1.94	2.04	0.26	0.27
hsa-miR-127-3p-4373147	-0.03	1.95	2.01	2.00	2.06
hsa-miR-25-4373071	0.00	1.97	5.48	0.72	1.99
hsa-miR-455-5p-4378098	5.01	1.98	5.43	0.00	0.01
hsa-miR-146a-4373132	0.04	1.98	1.93	1.97	1.92
hsa-miR-509-3-5p-4395266	0.00	2.00	2.00	2.00	2.00
hsa-miR-510-4395352	0.00	2.00	2.00	2.00	2.00
hsa-miR-512-5p-4373238	0.00	2.00	2.00	2.00	2.00
hsa-miR-513-5p-4395201	0.00	2.00	2.00	2.00	2.00
hsa-miR-515-3p-4395480	0.00	2.00	2.00	2.00	2.00
hsa-miR-515-5p-4373242	11.71	2.00	0.00	2.00	0.00
hsa-miR-516a-5p-4395527	0.00	2.00	2.00	2.00	2.00
hsa-miR-516b-4395172	0.00	2.00	109.15	0.04	2.00
hsa-miR-517b-4373244	0.00	2.00	2.00	2.00	2.00
hsa-miR-518a-3p-4395508	4.02	2.00	0.04	2.00	0.04
hsa-miR-518a-5p-4395507	0.00	2.00	2.00	2.00	2.00
hsa-miR-518b-4373246	9.39	2.00	0.03	0.01	0.00

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = $2^{-\Delta\Delta CT}$				
	$\Delta\Delta CT[\text{CntrlHP-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-CntrlHP}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADCB-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-ADCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{CntrlHP-CntrlCB}]$
hsa-miR-518c-4395512	0.00	2.00	2.00	2.00	2.00
hsa-miR-518f-4395499	0.00	2.00	34.78	0.11	2.00
hsa-miR-519c-3p-4373251	0.00	2.00	41.22	0.10	2.00
hsa-miR-519e-4395481	0.00	2.00	2.00	2.00	2.00
hsa-miR-520a-3p-4373268	0.00	2.00	803.07	0.00	2.00
hsa-miR-520a-5p-4378085	0.00	2.00	2.00	2.00	2.00
hsa-miR-520b-4373252	3.07	2.00	0.09	2.00	0.09
hsa-miR-520d-5p-4395504	0.00	2.00	2.00	2.00	2.00
hsa-miR-520e-4373255	0.00	2.00	2.00	2.00	2.00
hsa-miR-520f-4373256	0.00	2.00	2.00	2.00	2.00
hsa-miR-520g-4373257	0.00	2.00	2.00	2.00	2.00
hsa-miR-521-4373259	31.06	2.00	0.00	0.04	0.00
hsa-miR-523-4395497	0.00	2.00	109.77	0.04	2.00
hsa-miR-524-5p-4395174	0.00	2.00	2.00	2.00	2.00
hsa-miR-525-3p-4395496	0.00	2.00	1670004071803.52	0.00	2.00
hsa-miR-525-5p-4378088	0.00	2.00	2.00	2.00	2.00
hsa-miR-526b-4395493	0.00	2.00	2.00	2.00	2.00
hsa-miR-542-5p-4395351	0.00	2.00	2.00	2.00	2.00
hsa-miR-544-4395376	0.00	2.00	2.00	2.00	2.00
hsa-miR-545-4395378	4.04	2.00	4.95	0.01	0.04
hsa-miR-548a-5p-4395523	0.00	2.00	458030887.87	0.00	2.00
hsa-miR-548b-3p-4380951	0.00	2.00	2.00	2.00	2.00
hsa-miR-548c-3p-4380993	27.97	2.00	0.00	2.00	0.00
hsa-miR-551b-4380945	4.04	2.00	14.71	0.00	0.04
hsa-miR-556-3p-4395456	0.00	2.00	309.19	0.01	2.00
hsa-miR-570-4395458	0.00	2.00	114.45	0.03	2.00
hsa-miR-576-3p-4395462	3.01	2.00	15.28	0.01	0.10
hsa-miR-579-4395509	5.02	2.00	2.02	0.01	0.01
hsa-miR-582-5p-4395175	0.00	2.00	2.00	2.00	2.00
hsa-miR-615-3p-4386777	0.00	2.00	2.00	2.00	2.00
hsa-miR-615-5p-4395464	0.00	2.00	2.00	2.00	2.00
hsa-miR-624-4395541	0.00	2.00	2.00	2.00	2.00
hsa-miR-627-4380967	0.00	2.00	2.00	2.00	2.00
hsa-miR-629-4395547	0.00	2.00	825.80	0.00	2.00

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ^{-ΔΔCT}				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
hsa-miR-651-4381007	5.03	2.00	0.01	2.00	0.01
hsa-miR-653-4395403	0.00	2.00	2.00	2.00	2.00
hsa-miR-654-3p-4395350	6.02	2.00	5.51	0.00	0.00
hsa-miR-672-4395438	0.00	2.00	2.00	2.00	2.00
hsa-miR-674-4395193	0.00	2.00	2.00	2.00	2.00
hsa-miR-871-4395465	0.00	2.00	2.00	2.00	2.00
hsa-miR-872-4395375	0.00	2.00	2.00	2.00	2.00
hsa-miR-873-4395467	0.00	2.00	2.00	2.00	2.00
hsa-miR-875-3p-4395315	0.00	2.00	2.00	2.00	2.00
hsa-miR-876-5p-4395316	0.00	2.00	2.00	2.00	2.00
hsa-miR-885-3p-4395483	10.79	2.00	17.94	0.00	0.00
hsa-miR-890-4395320	0.00	2.00	6489.54	0.00	2.00
hsa-miR-891b-4395321	0.00	2.00	2.00	2.00	2.00
hsa-miR-892a-4395306	0.00	2.00	2.00	2.00	2.00
hsa-miR-96-4373372	0.00	2.00	2.00	2.00	2.00
hsa-miR-21-4373090	1.01	2.00	2.00	0.73	0.73
hsa-miR-27a-4373287	0.02	2.01	1.93	2.04	1.97
hsa-miR-422a-4395408	-0.04	2.01	0.76	5.50	2.08
hsa-miR-20b-4373263	-0.98	2.02	5.36	2.01	5.33
hsa-miR-452-4395440	1.01	2.01	34.31	0.04	0.73
hsa-miR-15b-4373122	-0.01	2.03	2.01	2.03	2.01
hsa-miR-296-5p-4373066	0.01	2.03	2.11	1.90	1.97
hsa-miR-338-3p-4395363	-0.01	2.03	5.66	0.73	2.03
hsa-let-7e-4395517	1.04	2.10	1.91	0.78	0.71
hsa-miR-23b-4373073	0.02	2.09	1.93	2.13	1.96
hsa-miR-363-4378090	1.24	2.12	0.22	5.65	0.58
hsa-let-7b-4395446	2.06	5.59	1.87	0.76	0.25
hsa-miR-139-3p-4395424	-4.00	5.24	5.21	109.80	109.22
hsa-miR-299-5p-4373188	-0.26	3.97	1.90	5.44	2.60
hsa-miR-146b-5p-4373178	-0.01	5.31	2.06	5.19	2.02
hsa-miR-219-5p-4373080	0.02	5.21	2.02	5.08	1.97
hsa-miR-301a-4373064	1.99	5.15	2.04	0.69	0.27
hsa-miR-28-5p-4373067	0.98	5.25	5.55	0.71	0.75
hsa-miR-329-4373191	0.00	5.55	2.01	5.54	2.00
hsa-miR-330-5p-4395341	-1.07	5.69	5.96	5.56	5.81

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = 2 ^{-ΔΔCT}				
	ΔΔCT[CntrlHP-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-CntrlHP]	2 ^Δ - ΔΔCT[ADCB-CntrlCB]	2 ^Δ - ΔΔCT[ADHP-ADCB]	2 ^Δ - ΔΔCT[CntrlHP-CntrlCB]
hsa-miR-326-4373050	-2.92	5.73	5.18	40.85	36.97
hsa-miR-100-4373160	0.96	14.83	2.04	5.54	0.76
hsa-miR-362-5p-4378092	1.99	5.50	1.97	0.76	0.27
hsa-let-7c-4373167	-0.02	15.24	5.63	5.50	2.03
hsa-miR-125a-5p-4395309	1.00	15.07	5.62	1.98	0.74
hsa-miR-449b-4381011	2.03	5.52	2.03	0.72	0.26
hsa-miR-128-4395327	0.98	15.81	5.64	2.11	0.75
hsa-miR-140-5p-4373374	2.03	14.86	1.95	2.00	0.26
hsa-miR-220b-4395317	0.00	10.89	1.95	11.18	2.00
hsa-miR-193a-5p-4395392	1.00	14.83	1.99	5.48	0.73
hsa-miR-106a-4395280	0.02	39.89	1.97	39.67	1.96
hsa-miR-203-4373095	-1.02	14.77	2.01	40.71	5.54
hsa-let-7g-4395393	1.00	40.35	1.96	15.17	0.74
hsa-miR-493-4395475	0.98	5.46	2.03	2.02	0.75
hsa-let-7d-4395394	1.00	41.00	1.97	15.33	0.74
hsa-miR-200c-4395411	1.03	15.28	1.91	5.74	0.72
hsa-miR-214-4395417	-0.98	15.23	2.04	39.97	5.35
hsa-miR-200b-4395362	-0.99	16.06	2.18	39.49	5.37
hsa-miR-208-4373091	-8.89	17.06	2.00	123469.22	14473.10
hsa-miR-29b-4373288	1.00	14.50	2.02	5.28	0.74
hsa-miR-133a-4395357	-1.98	40.58	2.03	289.18	14.50
hsa-miR-134-4373299	0.01	40.60	2.01	39.93	1.98
hsa-miR-129-3p-4373297	2.02	42.04	0.71	15.63	0.26
hsa-miR-143-4395360	0.02	40.91	2.00	40.17	1.97
hsa-miR-185-4395382	-1.01	39.81	5.58	39.23	5.50
hsa-miR-381-4373020	-1.02	13.86	40.59	1.89	5.52
hsa-miR-103-4373158	-0.02	108.62	5.60	39.52	2.04
hsa-let-7f-4373164	0.99	110.81	2.04	40.40	0.74
hsa-miR-19a-4373099	1.02	38.36	1.97	13.99	0.72
hsa-miR-199a-3p-4395415	1.01	39.99	1.99	14.61	0.73
hsa-miR-200a-4378069	2.73	32.76	0.00	127076.83	0.13
hsa-miR-137-4373301	-6.97	108.56	0.03	6652792.04	2134.20
hsa-miR-140-3p-4395345	1.00	111.17	1.99	41.04	0.74
hsa-miR-22-4373079	-1.02	39.28	281.05	0.78	5.57
hsa-miR-224-4395210	0.99	40.94	2.03	14.97	0.74
hsa-miR-148a-4373130	-1.98	112.40	5.37	303.61	14.52

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = $2^{-\Delta\Delta CT}$				
	$\Delta\Delta CT[\text{CntrlHP-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-CntrlHP}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADCB-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-ADCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{CntrlHP-CntrlCB}]$
hsa-miR-124-4373295	2.00	307.40	1.96	42.46	0.27
hsa-miR-194-4373106	4.00	108.34	2.03	1.96	0.04
hsa-miR-192-4373108	5.00	108.99	1.96	0.75	0.01
hsa-miR-187-4373307	-0.04	115.12	5.72	41.97	2.09
hsa-miR-129-5p-4373171	0.01	313.39	0.75	830.35	1.99
hsa-let-7a-4373169	1.03	4375.37	2.00	1567.20	0.72
hsa-miR-202-4395474	-1.18	105.21	19.79	34.53	6.49
hsa-miR-215-4373084	5.06	111.82	0.79	1.81	0.01
hsa-miR-148b-4373129	1.01	310.52	5.52	40.97	0.73
hsa-miR-133b-4395358	-1.07	772.43	1.97	2301.11	5.86
hsa-miR-449a-4373207	3.01	39.65	1.96	2.00	0.10
hsa-miR-135a-4373140	2.00	802.43	1.96	110.74	0.27
hsa-miR-429-4373203	-4.01	40.63	2.00	2250.81	110.79
hsa-miR-448-4373206	-4.01	40.56	2.00	2229.53	109.93
hsa-miR-130a-4373145	1.99	833.84	5.53	41.18	0.27
hsa-miR-106b-4373155	2.01	2171.23	1.98	294.90	0.27
hsa-miR-155-4395459	-21.22	5490228.94	316.48	56856244999103.90	3277392085.58
hsa-miR-142-3p-4373136	1.04	824.56	0.27	2190.20	0.71
hsa-miR-154-4373270	1.02	855.72	0.74	834.26	0.72
hsa-miR-130b-4373144	1.99	2216.64	5.37	113.23	0.27
hsa-miR-377-4373025	-4.02	106.27	2.00	5933.37	111.67
hsa-miR-105-4395278	-2.01	5922.70	5.43	16236.99	14.89
hsa-miR-10a-4373153	-0.07	5997.79	2.13	6029.06	2.14
hsa-miR-302b-4378071	-0.01	272.04	5.20	105.65	2.02
hsa-miR-196b-4395326	-2.05	803.48	5.68	2194.14	15.52
hsa-miR-190-4373110	2.03	823.90	0.73	297.84	0.26
hsa-miR-146b-3p-4395472	-3.05	2128.23	5.64	16014.46	42.42
hsa-miR-18a-4395533	3.03	864.24	0.73	115.11	0.10
hsa-miR-107-4373154	1.95	15494.61	2.00	2208.23	0.29
hsa-miR-101-4395364	0.98	15866.21	1.99	5982.22	0.75
hsa-miR-135b-4395372	8.02	5987.01	2.00	1.97	0.00
hsa-miR-125a-3p-4395310	1.01	16359.22	5.39	2211.55	0.73
hsa-miR-1-4395333	-1.00	16556.72	2.03	44114.65	5.41

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = $2^{-\Delta\Delta CT}$				
	$\Delta\Delta CT[\text{CntrlHP-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-CntrlHP}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADCB-CntrlCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{ADHP-ADCB}]$	$2^{\Delta} - \Delta\Delta CT[\text{CntrlHP-CntrlCB}]$
hsa-miR-183-4395380	-4.05	15637.81	85.42	20997.26	114.69
hsa-miR-182-4395445	-4.05	15692.64	2.00	897122.04	114.34
hsa-miR-193a-3p-4395361	-3.13	14652.22	2.00	335020.56	45.73
hsa-miR-136-4373173	-0.95	121777.05	12.21	51459.34	5.16
hsa-miR-153-4373305	1.05	47020.89	0.04	915336.63	0.70
hsa-miR-508-5p-4395203	0.00	27.55	2.00	27.55	2.00
hsa-miR-508-3p-4373233	4.00	41.68	0.04	41.68	0.04
hsa-miR-507-4373232	0.00	89.00	30.37	5.86	2.00
hsa-miR-506-4373231	0.00	100.11	2.00	100.11	2.00
hsa-miR-503-4373228	0.00	106.70	2.00	106.70	2.00
hsa-miR-501-3p-4395546	9.20	110.05	0.00	110.05	0.00
hsa-miR-499-3p-4395538	0.00	112.57	2.00	112.57	2.00
hsa-miR-492-4373217	0.00	303.82	2.00	303.82	2.00
hsa-miR-491-3p-4395471	0.00	339.12	806.78	0.84	2.00
hsa-miR-486-3p-4395204	10.02	771.74	2.09	0.03	0.00
hsa-miR-453-4395429	0.00	812.61	2.00	812.61	2.00
hsa-miR-450b-3p-4395319	0.00	928.76	2.00	928.76	2.00
hsa-miR-450a-4395414	0.00	2201.40	2.00	2201.40	2.00
hsa-miR-431-4395173	4.00	2247.22	28.60	2.86	0.04
hsa-miR-424-4373201	0.00	2272.30	2.00	2272.30	2.00
hsa-miR-412-4373199	3.96	2279.58	0.04	2279.58	0.04
hsa-miR-384-4373017	0.00	5577.79	2.00	5577.79	2.00
hsa-miR-380-4373022	9.80	5919.74	1.05	0.63	0.00
hsa-miR-376b-4373196	0.00	5973.85	2.00	5973.85	2.00
hsa-miR-373-4378073	0.00	6048.39	2.00	6048.39	2.00
hsa-miR-372-4373029	4.03	6075.06	2.03	106.72	0.04
hsa-miR-371-3p-4395235	0.00	6094.53	2.00	6094.53	2.00
hsa-miR-369-5p-4373195	4.02	6125.69	5.43	40.40	0.04
hsa-miR-369-3p-4373032	5.03	6134.28	0.74	108.59	0.01
hsa-miR-367-4373034	0.00	6155.17	2302.26	5.35	2.00
hsa-miR-362-3p-4395228	6.05	6204.61	0.71	41.09	0.00
hsa-miR-33b-4395196	0.00	16362.50	7459113.87	0.00	2.00
hsa-miR-32-4395220	0.00	17083.14	2.00	17083.14	2.00

Supplemental Table 1.

MicroRNA ABI Assay ID	relative quantification (RQ) = $2^{-\Delta\Delta CT}$				
	$\Delta\Delta CT$ [CntrlHP-CntrlCB]	$2^{\Delta} - \Delta\Delta CT$ [ADHP-CntrlHP]	$2^{\Delta} - \Delta\Delta CT$ [ADCB-CntrlCB]	$2^{\Delta} - \Delta\Delta CT$ [ADHP-ADCB]	$2^{\Delta} - \Delta\Delta CT$ [CntrlHP-CntrlCB]
hsa-miR-302c-4378072	0.00	42055.57	113.78	739.26	2.00
hsa-miR-302a-4378070	6.04	43280.05	2.00	102.90	0.00
hsa-miR-301b-4395503	6.03	43349.36	1.97	105.93	0.00
hsa-miR-299-3p-4373189	10.40	44535.74	0.00	806.70	0.00
hsa-miR-298-4395301	0.00	44602.59	2.00	44602.59	2.00
hsa-miR-296-3p-4395212	0.00	44741.07	2.00	44741.07	2.00
hsa-miR-220c-4395322	0.00	59447.40	2.00	59447.40	2.00
hsa-miR-220-4373078	0.00	114731.19	2.00	114731.19	2.00
hsa-miR-219-1-3p-4395206	0.00	118782.24	2.00	118782.24	2.00
hsa-miR-217-4395448	0.00	120794.64	2.00	120794.64	2.00
hsa-miR-216b-4395437	0.00	120927.59	9524206.62	0.03	2.00
hsa-miR-216a-4395331	0.00	121521.59	2.00	121521.59	2.00
hsa-miR-205-4373093	0.00	123679.30	29129069.36	0.01	2.00
hsa-miR-199b-5p-4373100	0.00	319383.28	2.00	319383.28	2.00
hsa-miR-199a-5p-4373272	0.00	328288.21	2.00	328288.21	2.00
hsa-miR-198-4395384	0.00	330958.14	2.00	330958.14	2.00
hsa-miR-18b-4395328	0.00	338455.26	2.00	338455.26	2.00
hsa-miR-188-3p-4395217	4.08	341242.00	0.03	341242.00	0.03
hsa-miR-147b-4395373	0.00	937289.22	89670032.07	0.02	2.00
hsa-miR-147-4373131	4.02	1861786.71	0.04	1861786.71	0.04
hsa-miR-142-5p-4395359	0.00	2482923.32	771.35	6437.83	2.00
hsa-miR-141-4373137	4.01	2487396.60	1.97	45740.86	0.04
hsa-miR-127-5p-4395340	0.00	17650014.81	1522017.29	23.19	2.00
hsa-miR-122-4395356	6.14	18666614.78	1.77	45717.99	0.00
hsa-miR-10b-4395329	4.00	18690897.16	2.07	331123.66	0.04

Supplemental Table 1.

MicroRNA ABI Assay ID
MammU6-4395470
RNU44-4373384
RNU48-4373383
MeanEndogenousControls
ath-miR159a-4373390
hsa-miR-98-4373009
hsa-miR-501-5p-4373226
hsa-miR-342-3p-4395371
hsa-miR-331-3p-4373046
hsa-miR-328-4373049
hsa-miR-370-4395386
hsa-miR-204-4373094
hsa-miR-211-4373088
hsa-miR-330-3p-4373047
hsa-miR-191-4395410
hsa-miR-346-4373038
hsa-miR-149-4395366
hsa-miR-139-5p-4395400
hsa-miR-208b-4395401
hsa-miR-138-4395395
hsa-miR-132-4373143
hsa-miR-184-4373113
hsa-miR-126-4395339
hsa-miR-181c-4373115
hsa-miR-152-4395170
hsa-miR-15a-4373123
hsa-miR-9-4373285
hsa-miR-99a-4373008
hsa-miR-99b-4373007
hsa-miR-885-5p-4395407
hsa-miR-539-4378103
hsa-miR-886-3p-4395305
hsa-miR-574-3p-4395460
hsa-miR-744-4395435
hsa-miR-95-4373011
hsa-miR-92a-4395169
hsa-miR-708-4395452
hsa-miR-874-4395379
hsa-miR-886-5p-4395304

Supplemental Table 1. Cerebellum and hippocampus miRnome for AD and controls. Applied Biosystems (ABI) microRNA array panel A results provide miRnome for n=377 human miRNA expressed in cerebellum and hippocampus of controls and Alzheimer's disease (AD).

Color Code	Category
Light green	Quartile 1 high expression
Dark green	Quartile 2 moderate high
Dark red	Quartile 3 moderate low
Light red	Quartile 4 low expression
Grey	Negative CT ≥ 32
no color	Not quartiled
yellow	Chosen for validation qRT-PCR
Orange	Endogenous Controls

MiRNA array results with 3 or more arrays with negative CT (≥ 32) values were considered low efficiency assays and were excluded from phase II analyses.

Quartiles do not include excluded values.

Quartiles do not include loading controls.

Quartiles are calculated according to each separate array.

Quartiles are shown arranged according to Relative Quantification for ratio.

Relative Quantification ratio is one array (41-CT) as the numerator and another array (41-CT) as the denominator. For example , RQ = (41-CT for AD HP) / (41-CT for Cntrl HP).

Array 1 = Control Cerebellum = CntrlCB

Array 2 = Control Hippocampus = CntrlHP

Array 3 = AD Cerebellum = ADCB

Array 4 = AD Hippocampus = ADHP

At least 3 miRNA were chosen from each RQ = AD HP / Control HP quartile for validation using qRT-PCR.

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-93-4373302
hsa-miR-532-3p-4395466
hsa-miR-548d-3p-4381008
hsa-miR-576-5p-4395461
hsa-miR-887-4395485
hsa-miR-628-5p-4395544
hsa-miR-598-4395179
hsa-miR-532-5p-4380928
hsa-miR-655-4381015
hsa-miR-660-4380925
hsa-miR-671-3p-4395433
hsa-miR-652-4395463
hsa-miR-616-4395525
hsa-miR-590-5p-4395176
hsa-miR-625-4395542
hsa-miR-642-4380995
hsa-miR-541-4395312
hsa-miR-758-4395180
hsa-miR-519d-4395514
hsa-miR-891a-4395302
hsa-miR-889-4395313
hsa-miR-636-4395199
hsa-miR-518d-3p-4373248
hsa-miR-512-3p-4381034
hsa-miR-582-3p-4395510
hsa-miR-519a-4395526
hsa-miR-548d-5p-4395348
hsa-miR-548b-5p-4395519
hsa-miR-511-4373236
hsa-miR-597-4380960
hsa-miR-522-4395524
hsa-miR-654-5p-4381014
hsa-miR-518d-5p-4395500
hsa-miR-518e-4395506
hsa-miR-517c-4373264
hsa-miR-542-3p-4378101
hsa-miR-876-3p-4395336
hsa-miR-548c-5p-4395540
hsa-miR-561-4380938

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-556-5p-4395455
hsa-miR-509-5p-4395346
hsa-miR-589-4395520
hsa-miR-548a-3p-4380948
hsa-miR-618-4380996
hsa-miR-888-4395323
hsa-miR-517a-4395513
hsa-miR-325-4373051
hsa-miR-337-5p-4395267
hsa-miR-495-4381078
hsa-miR-491-5p-4381053
hsa-miR-484-4381032
hsa-miR-504-4395195
hsa-miR-499-5p-4381047
hsa-miR-485-3p-4378095
hsa-miR-505-4395200
hsa-miR-450b-5p-4395318
hsa-miR-502-5p-4373227
hsa-miR-487b-4378102
hsa-miR-433-4373205
hsa-miR-222-4395387
hsa-miR-485-5p-4373212
hsa-miR-454-4395434
hsa-miR-494-4395476
hsa-miR-486-5p-4378096
hsa-miR-30c-4373060
hsa-miR-382-4373019
hsa-miR-374b-4381045
hsa-miR-24-4373072
hsa-miR-425-4380926
hsa-miR-488-4395468
hsa-miR-500-4395539
hsa-miR-320-4395388
hsa-miR-483-5p-4395449
hsa-miR-383-4373018
hsa-miR-451-4373360

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-30b-4373290
hsa-miR-29a-4395223
hsa-miR-26a-4395166
hsa-miR-34a-4395168
hsa-miR-411-4381013
hsa-miR-410-4378093
hsa-miR-490-3p-4373215
hsa-miR-223-4395406
hsa-miR-374a-4373028
hsa-miR-376c-4395233
hsa-miR-365-4373194
hsa-miR-455-3p-4395355
hsa-miR-323-3p-4395338
hsa-miR-23a-4373074
hsa-miR-376a-4373026
hsa-miR-375-4373027
hsa-miR-218-4373081
hsa-miR-379-4373349
hsa-miR-31-4395390
hsa-miR-496-4386771
hsa-miR-197-4373102
hsa-miR-345-4395297
hsa-miR-324-5p-4373052
hsa-miR-339-3p-4395295
hsa-miR-339-5p-4395368
hsa-miR-489-4395469
hsa-miR-26b-4395167
hsa-miR-221-4373077
hsa-miR-487a-4378097
hsa-miR-423-5p-4395451
hsa-miR-193b-4395478
hsa-miR-34c-5p-4373036
hsa-miR-181a-4373117

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-19b-4373098
hsa-miR-502-3p-4395194
hsa-miR-340-4395369
hsa-miR-145-4395389
hsa-miR-324-3p-4395272
hsa-miR-342-5p-4395258
hsa-miR-28-3p-4395557
hsa-miR-20a-4373286
hsa-miR-210-4373089
hsa-miR-150-4373127
hsa-miR-16-4373121
hsa-miR-361-5p-4373035
hsa-miR-409-5p-4395442
hsa-miR-335-4373045
hsa-miR-331-5p-4395344
hsa-miR-27b-4373068
hsa-miR-219-2-3p-4395501
hsa-miR-186-4395396
hsa-miR-212-4373087
hsa-miR-195-4373105
hsa-miR-17-4395419
hsa-miR-125b-4373148
hsa-miR-29c-4395171
hsa-miR-127-3p-4373147
hsa-miR-25-4373071
hsa-miR-455-5p-4378098
hsa-miR-146a-4373132
hsa-miR-509-3-5p-4395266
hsa-miR-510-4395352
hsa-miR-512-5p-4373238
hsa-miR-513-5p-4395201
hsa-miR-515-3p-4395480
hsa-miR-515-5p-4373242
hsa-miR-516a-5p-4395527
hsa-miR-516b-4395172
hsa-miR-517b-4373244
hsa-miR-518a-3p-4395508
hsa-miR-518a-5p-4395507
hsa-miR-518b-4373246

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-518c-4395512
hsa-miR-518f-4395499
hsa-miR-519c-3p-4373251
hsa-miR-519e-4395481
hsa-miR-520a-3p-4373268
hsa-miR-520a-5p-4378085
hsa-miR-520b-4373252
hsa-miR-520d-5p-4395504
hsa-miR-520e-4373255
hsa-miR-520f-4373256
hsa-miR-520g-4373257
hsa-miR-521-4373259
hsa-miR-523-4395497
hsa-miR-524-5p-4395174
hsa-miR-525-3p-4395496
hsa-miR-525-5p-4378088
hsa-miR-526b-4395493
hsa-miR-542-5p-4395351
hsa-miR-544-4395376
hsa-miR-545-4395378
hsa-miR-548a-5p-4395523
hsa-miR-548b-3p-4380951
hsa-miR-548c-3p-4380993
hsa-miR-551b-4380945
hsa-miR-556-3p-4395456
hsa-miR-570-4395458
hsa-miR-576-3p-4395462
hsa-miR-579-4395509
hsa-miR-582-5p-4395175
hsa-miR-615-3p-4386777
hsa-miR-615-5p-4395464
hsa-miR-624-4395541
hsa-miR-627-4380967
hsa-miR-629-4395547

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-651-4381007
hsa-miR-653-4395403
hsa-miR-654-3p-4395350
hsa-miR-672-4395438
hsa-miR-674-4395193
hsa-miR-871-4395465
hsa-miR-872-4395375
hsa-miR-873-4395467
hsa-miR-875-3p-4395315
hsa-miR-876-5p-4395316
hsa-miR-885-3p-4395483
hsa-miR-890-4395320
hsa-miR-891b-4395321
hsa-miR-892a-4395306
hsa-miR-96-4373372
hsa-miR-21-4373090
hsa-miR-27a-4373287
hsa-miR-422a-4395408
hsa-miR-20b-4373263
hsa-miR-452-4395440
hsa-miR-15b-4373122
hsa-miR-296-5p-4373066
hsa-miR-338-3p-4395363
hsa-let-7e-4395517
hsa-miR-23b-4373073
hsa-miR-363-4378090
hsa-let-7b-4395446
hsa-miR-139-3p-4395424
hsa-miR-299-5p-4373188
hsa-miR-146b-5p-4373178
hsa-miR-219-5p-4373080
hsa-miR-301a-4373064
hsa-miR-28-5p-4373067
hsa-miR-329-4373191
hsa-miR-330-5p-4395341

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-326-4373050
hsa-miR-100-4373160
hsa-miR-362-5p-4378092
hsa-let-7c-4373167
hsa-miR-125a-5p-4395309
hsa-miR-449b-4381011
hsa-miR-128-4395327
hsa-miR-140-5p-4373374
hsa-miR-220b-4395317
hsa-miR-193a-5p-4395392
hsa-miR-106a-4395280
hsa-miR-203-4373095
hsa-let-7g-4395393
hsa-miR-493-4395475
hsa-let-7d-4395394
hsa-miR-200c-4395411
hsa-miR-214-4395417
hsa-miR-200b-4395362
hsa-miR-208-4373091
hsa-miR-29b-4373288
hsa-miR-133a-4395357
hsa-miR-134-4373299
hsa-miR-129-3p-4373297
hsa-miR-143-4395360
hsa-miR-185-4395382
hsa-miR-381-4373020
hsa-miR-103-4373158
hsa-let-7f-4373164
hsa-miR-19a-4373099
hsa-miR-199a-3p-4395415
hsa-miR-200a-4378069
hsa-miR-137-4373301
hsa-miR-140-3p-4395345
hsa-miR-22-4373079
hsa-miR-224-4395210
hsa-miR-148a-4373130

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-124-4373295
hsa-miR-194-4373106
hsa-miR-192-4373108
hsa-miR-187-4373307
hsa-miR-129-5p-4373171
hsa-let-7a-4373169
hsa-miR-202-4395474
hsa-miR-215-4373084
hsa-miR-148b-4373129
hsa-miR-133b-4395358
hsa-miR-449a-4373207
hsa-miR-135a-4373140
hsa-miR-429-4373203
hsa-miR-448-4373206
hsa-miR-130a-4373145
hsa-miR-106b-4373155
hsa-miR-155-4395459
hsa-miR-142-3p-4373136
hsa-miR-154-4373270
hsa-miR-130b-4373144
hsa-miR-377-4373025
hsa-miR-105-4395278
hsa-miR-10a-4373153
hsa-miR-302b-4378071
hsa-miR-196b-4395326
hsa-miR-190-4373110
hsa-miR-146b-3p-4395472
hsa-miR-18a-4395533
hsa-miR-107-4373154
hsa-miR-101-4395364
hsa-miR-135b-4395372
hsa-miR-125a-3p-4395310
hsa-miR-1-4395333

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-183-4395380
hsa-miR-182-4395445
hsa-miR-193a-3p-4395361
hsa-miR-136-4373173
hsa-miR-153-4373305
hsa-miR-508-5p-4395203
hsa-miR-508-3p-4373233
hsa-miR-507-4373232
hsa-miR-506-4373231
hsa-miR-503-4373228
hsa-miR-501-3p-4395546
hsa-miR-499-3p-4395538
hsa-miR-492-4373217
hsa-miR-491-3p-4395471
hsa-miR-486-3p-4395204
hsa-miR-453-4395429
hsa-miR-450b-3p-4395319
hsa-miR-450a-4395414
hsa-miR-431-4395173
hsa-miR-424-4373201
hsa-miR-412-4373199
hsa-miR-384-4373017
hsa-miR-380-4373022
hsa-miR-376b-4373196
hsa-miR-373-4378073
hsa-miR-372-4373029
hsa-miR-371-3p-4395235
hsa-miR-369-5p-4373195
hsa-miR-369-3p-4373032
hsa-miR-367-4373034
hsa-miR-362-3p-4395228
hsa-miR-33b-4395196
hsa-miR-32-4395220

Supplemental Table 1.

MicroRNA ABI Assay ID
hsa-miR-302c-4378072
hsa-miR-302a-4378070
hsa-miR-301b-4395503
hsa-miR-299-3p-4373189
hsa-miR-298-4395301
hsa-miR-296-3p-4395212
hsa-miR-220c-4395322
hsa-miR-220-4373078
hsa-miR-219-1-3p-4395206
hsa-miR-217-4395448
hsa-miR-216b-4395437
hsa-miR-216a-4395331
hsa-miR-205-4373093
hsa-miR-199b-5p-4373100
hsa-miR-199a-5p-4373272
hsa-miR-198-4395384
hsa-miR-18b-4395328
hsa-miR-188-3p-4395217
hsa-miR-147b-4395373
hsa-miR-147-4373131
hsa-miR-142-5p-4395359
hsa-miR-141-4373137
hsa-miR-127-5p-4395340
hsa-miR-122-4395356
hsa-miR-10b-4395329

Supplemental Table 2

Sample Variables										Endogenous Housekeeping Controls			
SampleID	Disease	Region	AGE	SEX	Onset Age	PMI	PlaqueScore	BraakStage	APOEε4	RNU44_MeanCT	RNU48_MeanCT	meanPositiveEndo	ath-miR159a_MeanCT
406	AD	CB	87	F	83	5	MOD	VI	e4-	21.03	16.76	18.89	38.65
2257	AD	CB	60	F	55	7.3	MOD	IV	e4-	21.21	16.90	19.05	38.96
3010	AD	CB	82	M	76	8	FREQ	IV	e4+	22.35	18.20	20.27	39.20
3027	AD	CB	78	M	62	4.2	MOD	V	e4+	21.38	16.80	19.09	39.79
3076	AD	CB	81	M	68	5	FREQ	V	e4+	19.16	15.43	17.29	34.50
3171	AD	CB	78	M	63	7.2	FREQ	VI	e4+	21.46	16.57	19.01	38.38
4059	AD	CB	84	F	73	5	FREQ	VI	e4+	21.41	17.59	19.50	35.26
5033	AD	CB	93	F	84	6.3	FREQ	VI	e4+	20.97	17.48	19.23	30.72
5126	AD	CB	76	M	65	4.3	FREQ	VI	e4+	19.32	16.08	17.70	31.43
5144	AD	CB	85	M	80	5	FREQ	VI	e4+	19.42	16.50	17.96	32.56
5275	AD	CB	74	M	69	5.2	FREQ	VI	e4+	24.78	19.13	21.95	33.51
6039	AD	CB	75	M	71	3.1	FREQ	VI	e4+	19.77	16.60	18.18	36.24
6085	AD	CB	85	M	81	3.2	FREQ	V	e4-	21.12	16.80	18.96	36.42
7025	AD	CB	91	F	89	5.3	MOD	V	e4-	18.89	16.12	17.51	37.07
7029	AD	CB	89	F	85	2.3	FREQ	VI	e4-	19.41	16.11	17.76	37.17
7040	AD	CB	79	F	71	4	FREQ	VI	e4+	20.04	16.72	18.38	37.44
7047	AD	CB	78	F	69	2.2	MOD	V	e4+	20.34	16.64	18.49	37.76
7076	AD	CB	87	F	80	6	FREQ	VI	e4-	22.31	17.37	19.84	37.78
8018	AD	CB	78	F	71	5.3	FREQ	VI	e4-	21.52	17.12	19.32	38.24
8046	AD	CB	83	M	74	8.3	FREQ	VI	e4+	24.39	20.21	22.30	38.29
8074	AD	CB	87	F	75	5.3	MOD	VI	e4+	21.55	18.06	19.80	38.60
376	CTRL	CB	94	F	.	6	SPARSE	III	e4-	20.64	17.12	18.88	40.00
2193	CTRL	CB	90	M	.	7	SPARSE	II	e4-	18.67	15.24	16.96	33.91
2242	CTRL	CB	86	M	.	6.1	MOD	II	e4+	18.40	15.16	16.78	34.41
3055	CTRL	CB	89	F	.	5.3	MOD	I	e4-	22.96	18.42	20.69	40.00
3077	CTRL	CB	94	M	.	4.5	MOD	I	e4-	20.53	16.42	18.48	34.58
4021	CTRL	CB	95	F	.	4	SPARSE	I	e4-	19.31	15.82	17.57	34.93
4085	CTRL	CB	90	M	.	5	ABSENT	II	e4-	19.91	15.64	17.78	32.93
4193	CTRL	CB	93	M	.	4	SPARSE	III	e4-	21.74	17.37	19.56	40.00
5031	CTRL	CB	94	M	.	6	SPARSE	IV	e4-	20.86	16.91	18.88	40.00
5106	CTRL	CB	86	M	.	2.3	ABSENT	II	e4-	20.01	16.75	18.38	30.89
5123	CTRL	CB	79	F	.	3	MOD	II	e4+	21.06	16.56	18.81	40.00
6001	CTRL	CB	88	F	.	7	ABSENT	I	e4-	19.00	16.32	17.66	35.63
6017	CTRL	CB	77	F	.	5.4	ABSENT	II	e4-	21.82	18.27	20.04	36.18
6095	CTRL	CB	79	F	.	2.3	ABSENT	II	e4-	19.08	15.90	17.49	36.66
6101	CTRL	CB	87	M	.	7.3	SPARSE	II	e4-	19.74	16.55	18.14	36.91
7031	CTRL	CB	92	F	.	5.3	ABSENT	II	e4-	22.11	18.45	20.28	37.31
7042	CTRL	CB	82	F	.	3	SPARSE	III	e4-	19.57	16.45	18.01	37.46
7089	CTRL	CB	81	M	.	6	SPARSE	II	e4-	21.26	17.01	19.14	38.05
8017	CTRL	CB	85	M	.	4.3	SPARSE	III	e4+	20.40	16.35	18.37	38.18
8053	CTRL	CB	82	F	.	3.3	SPARSE	III	e4+	21.13	16.71	18.92	38.41
8066	CTRL	CB	84	M	.	2.3	MOD	III	e4-	22.35	17.82	20.08	38.54
406	AD	HP	87	F	83	5	MOD	VI	e4-	21.00	17.48	19.24	38.77
2257	AD	HP	60	F	55	7.3	MOD	IV	e4-	23.30	18.77	21.04	39.18
3010	AD	HP	82	M	76	8	FREQ	IV	e4+	20.60	16.25	18.42	39.34
3027	AD	HP	78	M	62	4.2	MOD	V	e4+	22.79	18.38	20.58	39.93
3076	AD	HP	81	M	68	5	FREQ	V	e4+	21.47	17.58	19.52	34.51
3171	AD	HP	78	M	63	7.2	FREQ	VI	e4+	22.11	17.70	19.91	38.41
4059	AD	HP	84	F	73	5	FREQ	VI	e4+	22.69	18.81	20.75	35.37
5033	AD	HP	93	F	84	6.3	FREQ	VI	e4+	19.36	16.26	17.81	30.87
5126	AD	HP	76	M	65	4.3	FREQ	VI	e4+	20.52	17.70	19.11	32.11
5144	AD	HP	85	M	80	5	FREQ	VI	e4+	21.59	18.43	20.01	32.88
5275	AD	HP	74	M	69	5.2	FREQ	VI	e4+	27.41	20.32	23.87	33.74
6039	AD	HP	75	M	71	3.1	FREQ	VI	e4+	20.87	17.16	19.02	36.24
6085	AD	HP	85	M	81	3.2	FREQ	V	e4-	21.18	17.69	19.43	36.59

Supplemental Table 2

Sample Variables										Endogenous Housekeeping Controls			
SampleID	Disease	Region	AGE	SEX	Onset Age	PMI	PlaqueScore	BraakStage	APOEε4	RNU44_MeanCT	RNU48_MeanCT	meanPositiveEndo	ath-miR159a_MeanCT
7025	AD	HP	91	F	89	5.3	MOD	V	e4-	19.86	16.92	18.39	37.07
7029	AD	HP	89	F	85	2.3	FREQ	VI	e4-	20.45	17.18	18.81	37.22
7040	AD	HP	79	F	71	4	FREQ	VI	e4+	21.39	18.11	19.75	37.45
7047	AD	HP	78	F	69	2.2	MOD	V	e4+	21.52	17.76	19.64	37.77
7076	AD	HP	87	F	80	6	FREQ	VI	e4-	21.87	16.96	19.42	37.86
8018	AD	HP	78	F	71	5.3	FREQ	VI	e4-	23.05	18.41	20.73	38.28
8046	AD	HP	83	M	74	8.3	FREQ	VI	e4+	22.26	17.86	20.06	38.37
8074	AD	HP	87	F	75	5.3	MOD	VI	e4+	21.41	17.65	19.53	38.63
376	CTRL	HP	94	F	.	6	SPARSE	III	e4-	22.83	18.78	20.80	40.00
2193	CTRL	HP	90	M	.	7	SPARSE	II	e4-	18.74	15.28	17.01	34.18
2242	CTRL	HP	86	M	.	6.1	MOD	II	e4+	18.87	15.64	17.25	34.49
3055	CTRL	HP	89	F	.	5.3	MOD	I	e4-	20.43	17.08	18.75	40.00
3077	CTRL	HP	94	M	.	4.5	MOD	I	e4-	19.35	15.82	17.59	34.78
4021	CTRL	HP	95	F	.	4	SPARSE	I	e4-	20.32	17.03	18.67	35.04
4085	CTRL	HP	90	M	.	5	ABSENT	II	e4-	20.39	16.53	18.46	33.27
4193	CTRL	HP	93	M	.	4	SPARSE	III	e4-	20.59	17.33	18.96	40.00
5031	CTRL	HP	94	M	.	6	SPARSE	IV	e4-	22.09	18.20	20.15	40.00
5106	CTRL	HP	86	M	.	2.3	ABSENT	II	e4-	20.71	17.70	19.20	31.03
5123	CTRL	HP	79	F	.	3	MOD	II	e4+	21.59	17.42	19.50	40.00
6001	CTRL	HP	88	F	.	7	ABSENT	I	e4-	23.28	20.38	21.83	35.92
6017	CTRL	HP	77	F	.	5.4	ABSENT	II	e4-	19.89	16.45	18.17	36.24
6095	CTRL	HP	79	F	.	2.3	ABSENT	II	e4-	19.55	16.80	18.18	36.78
6101	CTRL	HP	87	M	.	7.3	SPARSE	II	e4-	20.22	17.19	18.71	36.98
7031	CTRL	HP	92	F	.	5.3	ABSENT	II	e4-	19.11	15.91	17.51	37.41
7042	CTRL	HP	82	F	.	3	SPARSE	III	e4-	19.91	17.25	18.58	37.69
7089	CTRL	HP	81	M	.	6	SPARSE	II	e4-	21.06	17.88	19.47	38.13
8017	CTRL	HP	85	M	.	4.3	SPARSE	III	e4+	21.17	17.49	19.33	38.23
8053	CTRL	HP	82	F	.	3.3	SPARSE	III	e4+	20.96	17.70	19.33	38.42
8066	CTRL	HP	84	M	.	2.3	MOD	III	e4-	21.63	18.33	19.98	38.56

Supplemental Table 2

SampleID	Raw CT Replicate Means												
	MIR-211MeanCT	MIR-204MeanCT	MIR-139-5pMeanCT	MIR-328MeanCT	MIR-132MeanCT	MIR-126MeanCT	MIR-138MeanCT	MIR-208bMeanCT	MIR-191MeanCT	MIR-331-3pMeanCT	MIR-149MeanCT	MIR-342-3pMeanCT	
406	18.51	18.30	23.08	20.70	21.08	18.18	20.89	40.00	16.96	19.92	18.56	15.63	
2257	19.21	18.36	23.69	20.31	19.91	18.82	19.84	40.00	17.71	20.28	18.36	15.97	
3010	28.18	20.22	25.73	20.96	21.94	19.42	21.48	40.00	18.62	20.45	19.32	16.96	
3027	15.64	16.23	20.83	20.11	19.73	16.78	18.68	40.00	16.52	19.34	17.85	14.65	
3076	17.99	17.16	21.78	19.50	19.23	18.20	19.63	40.00	17.43	19.23	17.28	15.36	
3171	27.06	18.96	22.66	20.34	20.76	18.22	26.38	40.00	17.78	19.73	18.51	15.96	
4059	17.99	19.50	23.86	20.72	22.96	20.90	22.08	40.00	19.33	20.98	19.12	17.95	
5033	21.99	20.69	24.68	20.04	22.99	21.54	21.75	33.39	19.27	20.27	18.28	17.83	
5126	17.83	17.17	21.91	18.99	20.18	16.92	19.14	40.00	16.33	18.60	17.88	14.00	
5144	16.26	19.37	17.30	19.37	19.04	19.62	17.46	19.17	40.00	17.98	20.10	17.42	
5275	24.83	24.63	30.78	20.57	22.46	22.40	22.69	40.00	20.16	20.82	25.01	20.64	
6039	18.08	16.91	21.40	19.52	20.80	19.48	20.68	33.16	18.41	20.05	17.75	15.99	
6085	15.54	16.53	20.02	20.57	20.46	17.70	20.16	40.00	17.27	20.11	18.53	15.94	
7025	15.83	15.45	20.26	19.42	19.62	17.58	19.50	32.12	16.19	18.69	17.14	14.40	
7029	15.90	15.53	19.87	18.98	20.08	17.82	19.92	40.00	17.30	19.22	17.49	15.43	
7040	16.72	17.02	21.14	20.55	20.98	19.02	20.44	40.00	17.98	20.21	18.47	15.86	
7047	17.75	16.14	21.67	20.45	20.28	18.54	20.62	40.00	17.42	19.65	17.50	15.49	
7076	19.07	17.95	22.27	21.44	22.14	20.25	21.70	40.00	19.15	21.40	18.83	17.24	
8018	18.55	17.05	22.28	21.60	20.90	18.02	20.29	40.00	17.27	19.89	19.31	15.09	
8046	27.36	25.35	25.10	22.42	26.88	25.75	25.31	40.00	21.91	24.68	22.87	21.45	
8074	17.84	16.89	22.67	21.31	22.31	19.09	21.62	40.00	18.43	20.76	19.19	16.56	
376	16.52	17.20	21.74	21.18	20.41	19.23	20.69	40.00	18.16	20.31	18.30	16.24	
2193	17.98	17.70	21.84	19.01	19.85	16.99	20.38	40.00	17.43	18.81	16.86	15.48	
2242	16.22	17.23	18.42	19.13	19.25	19.52	20.27	40.00	16.64	19.42	16.56	15.18	
3055	17.53	19.77	23.47	21.45	21.87	19.61	22.38	40.00	19.57	21.21	20.33	18.51	
3077	14.99	14.52	20.71	21.34	19.50	15.73	18.48	40.00	16.42	18.61	17.37	13.76	
4021	16.26	16.39	20.76	19.71	19.92	18.25	20.49	40.00	17.10	18.63	17.58	15.67	
4085	17.59	18.13	22.20	20.07	21.34	21.10	21.23	40.00	18.07	19.64	19.32	16.14	
4193	18.15	17.31	23.32	21.60	21.11	18.90	21.22	40.00	18.20	20.27	19.47	16.53	
5031	19.93	18.89	23.66	19.01	20.08	19.03	21.66	29.02	17.84	19.88	18.23	16.16	
5106	16.63	18.11	22.12	19.84	21.33	21.16	21.65	40.00	19.33	19.81	17.98	17.00	
5123	19.28	19.81	24.29	19.47	21.32	20.06	21.64	40.00	18.31	19.87	19.15	17.08	
6001	14.83	15.17	19.93	19.09	20.10	17.18	20.03	40.00	16.76	18.35	17.35	14.69	
6017	25.53	18.11	22.95	21.93	22.10	20.14	22.68	40.00	19.56	21.72	19.65	17.54	
6095	13.54	16.33	21.23	19.66	19.13	17.77	20.01	40.00	16.71	18.72	17.11	15.04	
6101	17.40	17.03	21.18	20.05	20.91	18.85	20.93	29.22	18.27	19.62	17.99	16.08	
7031	17.87	22.24	23.81	21.13	24.72	24.38	24.89	40.00	21.46	23.12	21.02	20.92	
7042	16.99	15.89	21.20	19.98	19.85	18.41	20.79	40.00	17.15	19.18	17.47	15.06	
7089	17.74	17.26	22.93	20.51	20.91	18.75	21.23	40.00	18.05	19.88	18.73	15.90	
8017	17.41	16.72	22.16	19.79	19.22	18.24	20.70	40.00	17.03	19.04	17.76	15.35	
8053	15.47	18.23	22.37	21.07	20.90	18.44	21.29	40.00	17.20	20.22	18.78	16.00	
8066	33.81	20.09	25.02	20.46	20.62	19.54	21.91	40.00	18.66	20.57	19.62	16.93	
406	17.38	19.83	18.38	20.33	20.66	19.20	18.93	40.00	18.69	21.17	18.78	17.91	
2257	22.13	21.42	18.92	20.12	20.42	18.81	19.16	40.00	18.85	21.56	19.02	17.79	
3010	21.55	21.38	18.54	18.78	19.05	19.03	19.37	39.20	18.56	19.77	18.66	17.33	
3027	17.37	20.31	19.55	20.96	20.51	19.17	20.50	40.00	18.00	21.38	18.54	17.57	
3076	20.00	18.90	17.56	21.61	20.32	18.99	19.46	40.00	18.20	21.16	18.62	17.82	
3171	22.36	21.45	19.86	20.51	21.11	19.38	20.66	40.00	18.77	21.61	19.35	18.03	
4059	19.11	22.66	20.04	21.56	22.72	21.89	22.06	40.00	20.81	22.22	19.89	19.60	
5033	21.27	20.34	16.98	18.51	19.23	20.88	19.71	40.00	19.30	28.06	16.76	17.49	
5126	20.19	19.56	18.13	21.25	21.56	20.78	20.59	40.00	19.72	21.75	18.60	18.77	
5144	17.03	18.38	22.80	20.80	21.23	19.58	21.05	40.00	19.95	21.67	19.31	17.36	
5275	38.44	33.01	29.55	20.47	21.58	21.46	21.55	40.00	20.46	21.00	24.87	20.94	
6039	17.02	19.29	16.80	20.45	19.61	19.39	18.69	40.00	18.11	20.75	18.06	17.26	
6085	16.33	19.35	17.84	20.54	19.87	19.17	21.13	40.00	17.97	21.01	18.20	16.70	

Supplemental Table 2

SampleID	Raw CT Replicate Means											
	MIR-211MeanCT	MIR-204MeanCT	MIR-139-5pMeanCT	MIR-328MeanCT	MIR-132MeanCT	MIR-126MeanCT	MIR-138MeanCT	MIR-208bMeanCT	MIR-191MeanCT	MIR-331-3pMeanCT	MIR-149MeanCT	MIR-342-3pMeanCT
7025	16.93	19.51	17.04	18.71	18.35	18.21	18.24	34.61	18.10	20.52	17.31	16.86
7029	18.37	19.56	17.24	20.78	21.41	19.14	20.06	40.00	18.86	21.69	18.68	17.63
7040	17.15	20.46	17.45	20.90	20.63	20.20	20.08	40.00	18.87	21.21	18.00	17.53
7047	16.09	19.81	18.71	20.43	20.14	19.76	20.08	40.00	18.95	21.75	18.49	17.69
7076	21.04	19.81	18.50	20.98	21.03	20.05	20.01	40.00	18.12	21.64	19.16	16.64
8018	19.42	22.59	19.52	22.16	20.97	20.12	20.79	40.00	19.02	22.11	20.44	18.55
8046	22.89	23.95	21.71	20.31	19.99	19.34	18.80	40.00	18.86	21.14	19.53	17.95
8074	15.85	19.92	18.26	20.43	19.85	18.91	19.41	40.00	17.88	21.16	18.29	17.34
376	17.28	18.91	18.89	20.79	19.14	17.57	18.54	40.00	18.66	21.58	19.46	18.00
2193	15.36	18.71	15.65	18.47	17.90	17.24	17.02	40.00	16.61	25.76	16.51	15.31
2242	19.47	18.19	16.08	18.75	17.36	18.39	17.74	40.00	16.94	19.73	16.89	16.43
3055	17.05	19.85	18.01	19.69	18.91	18.46	18.60	40.00	18.08	20.27	18.04	17.23
3077	14.49	18.63	16.55	19.41	18.54	18.01	17.93	40.00	17.39	19.97	17.15	16.46
4021	21.17	20.25	17.97	20.37	20.13	19.43	20.30	40.00	18.62	20.80	18.47	18.05
4085	20.82	21.74	17.61	20.04	21.19	21.63	20.42	40.00	19.96	21.16	18.64	18.70
4193	16.90	20.40	19.50	20.45	20.92	18.97	18.45	40.00	17.26	20.13	18.36	16.96
5031	18.29	16.89	22.52	21.69	22.38	20.52	22.78	40.00	19.14	22.08	21.37	18.68
5106	18.79	19.38	18.11	20.78	20.92	19.52	20.99	40.00	19.95	21.69	18.56	18.95
5123	18.74	22.83	20.14	19.93	18.49	18.30	18.22	40.00	18.44	20.87	19.20	17.62
6001	23.75	23.30	20.24	22.25	23.53	22.47	22.77	38.81	21.78	23.82	21.27	21.07
6017	19.31	19.24	17.41	20.08	20.02	19.46	19.99	40.00	17.72	20.50	17.66	16.81
6095	20.21	19.91	17.45	19.50	18.93	18.84	18.52	40.00	18.39	19.77	18.27	16.43
6101	17.86	21.01	17.96	19.88	19.11	19.17	18.84	40.00	19.02	21.11	18.99	18.37
7031	18.11	20.58	16.91	18.72	17.84	18.28	18.10	40.00	17.79	19.96	17.38	16.64
7042	18.84	21.10	17.25	19.00	18.65	20.08	18.80	40.00	18.44	19.78	17.21	16.77
7089	18.65	21.63	17.96	19.75	18.41	18.84	18.67	40.00	18.04	20.76	18.54	17.28
8017	19.46	21.17	19.62	19.53	18.08	18.44	18.91	40.00	18.35	21.01	18.46	17.76
8053	18.69	19.76	18.09	19.81	19.14	18.02	18.40	37.22	18.28	21.03	18.17	17.38
8066	21.83	20.81	19.29	21.20	19.71	20.75	19.87	40.00	19.39	22.09	19.56	18.92

Supplemental Table 2

SampleID	MIR-370MeanCT	MIR-330-3pMeanCT	MIR-15aMeanCT	MIR-501MeanCT	MIR-98MeanCT	MIR-346MeanCT	MIR-152MeanCT	MIR-181cMeanCT	MIR-184MeanCT
406	22.67	24.72	24.04	25.94	23.61	22.50	25.74	27.74	25.79
2257	22.98	25.02	23.32	26.25	27.32	25.39	26.94	26.94	27.40
3010	23.44	25.40	24.24	25.92	26.71	40.00	27.83	28.73	27.77
3027	23.09	22.82	20.78	24.35	21.97	22.40	24.08	24.69	24.99
3076	21.84	23.49	23.59	23.70	22.65	23.31	26.59	26.94	25.61
3171	23.43	24.13	23.10	26.29	24.77	24.36	26.30	26.76	25.79
4059	23.14	26.00	26.37	25.43	28.97	27.09	28.20	29.36	27.20
5033	22.54	25.85	26.00	28.22	26.60	24.17	28.53	28.90	27.84
5126	22.30	23.87	23.22	18.98	23.42	23.11	24.95	26.56	25.40
5144	21.64	24.69	24.97	26.88	23.10	22.72	25.83	28.16	26.13
5275	24.82	28.70	29.01	29.86	40.00	27.73	30.34	31.00	29.98
6039	22.80	23.97	24.48	23.89	24.17	24.16	26.78	26.63	25.68
6085	22.66	24.41	25.08	26.34	25.88	23.72	25.70	26.30	26.65
7025	22.36	23.49	22.89	24.43	24.18	23.03	27.12	27.34	26.40
7029	22.70	23.85	22.45	24.97	23.40	23.45	25.93	26.65	25.51
7040	23.32	23.89	24.80	24.61	23.89	24.32	27.09	26.73	25.83
7047	22.54	24.41	23.49	26.93	22.44	23.09	26.11	27.13	25.90
7076	23.47	25.12	27.17	29.19	27.22	25.31	26.73	27.42	26.88
8018	23.20	24.37	24.36	26.99	24.76	26.97	25.99	27.69	26.46
8046	22.63	27.36	27.09	36.21	30.38	29.39	29.71	29.17	30.97
8074	23.21	25.12	23.58	28.10	26.82	27.59	27.60	27.93	27.83
376	22.51	24.52	22.84	25.34	23.91	23.92	26.91	28.21	27.02
2193	21.89	23.85	22.14	25.13	23.45	23.86	25.45	26.09	24.91
2242	21.45	23.16	23.48	23.63	24.14	22.26	25.35	26.48	24.56
3055	22.78	26.00	24.06	30.80	28.58	27.04	27.15	29.16	29.45
3077	23.34	22.62	21.04	23.65	21.55	24.73	24.40	25.18	25.76
4021	22.10	24.04	21.83	26.01	22.73	24.00	26.77	26.31	25.74
4085	22.40	25.38	24.07	26.29	32.07	23.69	29.77	29.27	26.67
4193	23.13	25.96	22.83	27.55	25.59	25.68	27.43	28.00	27.52
5031	22.29	25.26	24.31	24.56	23.63	23.29	27.06	27.16	26.61
5106	22.40	24.63	29.21	26.19	26.30	22.97	27.84	28.23	27.13
5123	22.53	25.31	24.18	27.37	23.96	24.60	26.33	28.33	26.47
6001	22.17	23.61	23.28	24.51	21.68	23.02	25.78	26.47	25.24
6017	23.75	26.90	24.89	26.96	25.44	26.72	28.27	28.60	27.17
6095	21.59	23.83	22.66	24.56	22.57	23.35	25.87	26.86	25.76
6101	22.69	24.16	23.45	24.48	22.94	23.81	27.52	26.94	25.27
7031	23.04	27.31	28.49	27.94	40.00	24.91	29.18	29.12	29.46
7042	22.17	23.48	21.31	25.44	23.77	22.99	26.82	27.48	26.79
7089	22.18	24.52	20.97	26.94	24.44	24.13	27.18	27.79	27.96
8017	21.36	24.35	21.77	27.15	23.64	23.90	25.81	26.25	26.18
8053	27.09	24.87	22.27	25.92	24.81	24.17	26.09	29.07	26.99
8066	22.41	25.92	24.55	26.26	24.42	25.59	26.47	27.22	28.08
406	21.13	24.52	26.78	29.26	25.94	22.88	26.92	29.01	29.20
2257	21.76	25.30	27.67	27.48	24.18	24.49	27.16	27.76	27.98
3010	21.47	24.15	23.47	27.09	28.69	24.18	27.02	26.87	23.79
3027	22.27	24.96	25.51	27.21	27.16	22.95	26.31	26.75	27.87
3076	21.68	25.04	27.41	28.99	24.31	24.95	26.25	28.24	24.36
3171	22.59	25.28	23.38	31.09	27.49	26.14	26.11	28.05	28.63
4059	22.69	27.03	27.04	37.98	29.98	23.73	30.28	30.44	31.17
5033	21.47	24.44	25.12	25.66	28.02	23.03	27.68	27.91	27.60
5126	21.94	25.08	27.37	29.22	28.76	23.69	27.31	29.50	26.29
5144	22.66	26.65	24.97	25.02	27.19	24.45	28.84	30.04	28.96
5275	25.29	28.90	31.25	30.34	40.00	27.34	28.65	31.08	31.63
6039	21.54	24.41	23.27	28.23	25.53	23.51	26.34	27.63	23.25
6085	21.80	24.25	26.37	26.50	28.67	26.08	27.11	26.74	27.85

Supplemental Table 2

SampleID	MIR-370MeanCT	MIR-330-3pMeanCT	MIR-15aMeanCT	MIR-501MeanCT	MIR-98MeanCT	MIR-346MeanCT	MIR-152MeanCT	MIR-181cMeanCT	MIR-184MeanCT
7025	21.78	23.86	28.67	27.10	23.65	24.23	25.97	26.51	22.55
7029	22.39	26.15	27.81	26.74	27.75	23.76	26.21	29.50	27.89
7040	22.20	24.66	26.30	31.78	27.97	24.62	27.91	27.76	25.51
7047	21.92	24.34	31.61	30.06	24.35	23.02	26.46	27.77	26.26
7076	22.17	24.29	25.24	27.30	30.81	23.85	27.39	28.11	26.92
8018	22.58	25.96	24.70	28.16	30.93	25.25	27.79	29.09	27.42
8046	21.30	25.48	26.13	29.73	26.95	23.93	27.18	29.50	22.82
8074	21.76	24.10	29.50	28.40	26.05	22.93	26.18	27.07	27.39
376	22.28	24.88	24.47	27.79	24.50	24.48	24.81	27.03	21.96
2193	20.55	23.09	26.88	24.44	23.14	22.13	24.74	26.21	21.45
2242	20.98	23.32	25.91	25.15	23.66	23.60	26.07	26.35	20.26
3055	21.41	24.39	26.07	30.28	27.71	23.02	27.08	28.16	24.05
3077	20.96	23.95	26.49	26.13	23.81	21.81	25.78	27.43	21.10
4021	21.58	25.11	30.44	25.21	29.87	24.02	27.67	28.07	26.51
4085	21.06	26.14	30.65	37.68	40.00	27.40	29.98	30.51	28.23
4193	20.97	24.28	26.00	28.06	25.48	22.25	25.87	27.92	25.22
5031	22.73	26.34	28.69	33.88	29.55	26.51	26.25	29.16	29.15
5106	22.27	26.14	28.69	28.12	27.92	26.23	27.08	30.27	28.05
5123	21.27	24.56	24.99	31.93	26.63	23.43	25.57	28.58	22.11
6001	23.06	27.19	32.65	29.14	30.60	26.95	30.90	31.58	32.16
6017	21.66	24.13	30.78	26.18	26.98	24.45	26.42	27.38	26.21
6095	20.79	24.04	29.04	27.38	26.30	23.78	27.05	29.32	23.60
6101	21.31	25.82	30.43	30.52	26.00	24.54	26.96	28.30	22.26
7031	21.33	24.06	24.33	25.33	27.48	22.79	27.40	27.29	26.67
7042	21.41	24.00	31.03	29.88	25.42	24.43	28.86	29.08	28.36
7089	21.72	26.00	27.20	30.01	27.68	23.39	27.01	28.47	24.29
8017	21.99	25.00	27.38	30.85	30.06	23.06	25.47	27.69	27.47
8053	21.33	24.60	29.53	29.60	26.26	24.63	26.01	28.64	27.26
8066	21.58	26.04	30.87	29.09	26.62	25.12	27.33	29.40	22.01

Supplemental Table 2

SampleID	41-CT Replicate Means													
	MIR-211_41-CT	MIR-204_41-CT	MIR-139-5p_41-CT	MIR-328_41-CT	MIR-132_41-CT	MIR-126_41-CT	MIR-138_41-CT	MIR-208b_41-CT	MIR-191_41-CT	MIR-331-3p_41-CT	MIR-149_41-CT	MIR-342-3p_41-CT	MIR-370_41-CT	
406	22.49	22.70	17.92	20.30	19.92	22.82	20.11	1.00	24.04	21.08	22.44	25.37	18.33	
2257	21.79	22.64	17.31	20.69	21.09	22.18	21.16	1.00	23.29	20.72	22.64	25.03	18.02	
3010	12.82	20.78	15.27	20.04	19.06	21.58	19.52	1.00	22.38	20.55	21.68	24.04	17.56	
3027	25.36	24.77	20.17	20.89	21.27	24.22	22.32	1.00	24.48	21.66	23.15	26.35	17.91	
3076	23.01	23.84	19.22	21.50	21.77	22.80	21.37	1.00	23.57	21.77	23.72	25.64	19.16	
3171	13.94	22.04	18.34	20.66	20.24	22.78	14.62	1.00	23.22	21.27	22.49	25.04	17.57	
4059	23.01	21.50	17.14	20.28	18.04	20.10	18.92	1.00	21.67	20.02	21.88	23.05	17.86	
5033	19.01	20.31	16.32	20.96	18.01	19.46	19.25	7.61	21.73	20.73	22.72	23.17	18.46	
5126	23.17	23.83	19.09	22.01	20.82	24.08	21.86	1.00	24.67	22.40	23.12	27.00	18.70	
5144	24.74	21.63	23.70	21.96	21.38	23.54	21.83	1.00	23.02	20.90	23.58	25.27	19.36	
5275	16.17	16.37	10.22	20.43	18.54	18.60	18.31	1.00	20.84	20.18	15.99	20.36	16.18	
6039	22.92	24.09	19.60	21.48	20.20	21.52	20.32	7.84	22.59	20.95	23.25	25.01	18.20	
6085	25.46	24.47	20.98	20.43	20.98	20.54	20.84	1.00	23.73	20.89	22.47	25.06	18.34	
7025	25.17	25.55	20.74	21.58	21.38	23.42	21.50	8.88	24.81	22.31	23.86	26.60	18.64	
7029	25.10	25.47	21.13	22.02	20.92	23.18	21.08	1.00	23.70	21.78	23.51	25.57	18.30	
7040	24.28	23.98	19.86	20.45	20.02	21.98	20.56	1.00	23.02	20.79	22.53	25.14	17.68	
7047	23.25	24.86	19.33	20.55	20.72	22.46	20.38	1.00	23.58	21.35	23.50	25.51	18.46	
7076	21.93	23.05	18.73	19.56	18.86	20.75	19.30	1.00	21.85	19.60	22.17	23.76	17.53	
8018	22.45	23.95	18.72	19.40	20.10	22.98	20.71	1.00	23.73	21.11	21.69	25.91	17.80	
8046	13.64	15.65	15.90	18.58	14.12	15.25	15.69	1.00	19.09	16.32	18.13	19.55	18.37	
8074	23.16	24.11	18.33	19.69	18.69	21.91	19.38	1.00	22.57	20.24	21.81	24.44	17.79	
376	24.48	23.80	19.26	19.82	20.59	21.77	20.31	1.00	22.84	20.69	22.70	24.76	18.49	
2193	23.02	23.30	19.16	21.99	21.15	24.01	20.62	1.00	23.57	22.19	24.14	25.52	19.11	
2242	24.78	23.77	22.58	21.87	21.75	21.48	20.73	1.00	24.36	21.58	24.44	25.82	19.55	
3055	23.47	21.23	17.53	19.55	19.13	21.39	18.62	1.00	21.43	19.79	20.67	22.49	18.22	
3077	26.01	26.48	20.29	19.66	21.50	25.27	22.52	1.00	24.58	22.39	23.63	27.24	17.66	
4021	24.74	24.61	20.24	21.29	21.08	22.75	20.51	1.00	23.90	22.37	23.42	25.33	18.90	
4085	23.41	22.87	18.80	20.93	19.66	19.90	19.77	1.00	22.93	21.36	21.68	24.86	18.60	
4193	22.85	23.69	17.68	19.40	19.89	22.10	19.78	1.00	22.80	20.73	21.53	24.47	17.87	
5031	21.07	22.11	17.34	21.99	20.92	21.97	19.34	11.98	23.16	21.12	22.77	24.84	18.71	
5106	24.37	22.89	18.88	21.16	19.67	19.84	19.35	1.00	21.67	21.19	23.02	24.00	18.60	
5123	21.72	21.19	16.71	21.53	19.68	20.94	19.36	1.00	22.69	21.13	21.85	23.92	18.47	
6001	26.17	25.83	21.07	21.91	20.90	23.82	20.97	1.00	24.24	22.65	23.65	26.31	18.83	
6017	15.47	22.89	18.05	19.07	18.90	20.86	18.32	1.00	21.44	19.28	21.35	23.46	17.25	
6095	27.46	24.67	19.78	21.34	21.87	23.23	20.99	1.00	24.29	22.28	23.89	25.96	19.41	
6101	23.60	23.97	19.82	20.95	20.09	22.15	20.07	11.78	22.73	21.38	23.01	24.92	18.31	
7031	23.13	18.76	17.19	19.87	16.28	16.62	16.11	1.00	19.54	17.88	19.98	20.08	17.96	
7042	24.01	25.11	19.80	21.02	21.15	22.59	20.21	1.00	23.85	21.82	23.53	25.94	18.83	
7089	23.26	23.74	18.07	20.49	20.09	22.25	19.77	1.00	22.95	21.12	22.27	25.10	18.82	
8017	23.59	24.28	18.84	21.21	21.78	22.76	20.30	1.00	23.97	21.96	23.24	25.65	19.64	
8053	25.53	22.77	18.63	19.93	20.10	22.56	19.71	1.00	23.80	20.78	22.22	25.00	13.91	
8066	7.19	20.91	15.98	20.54	20.38	21.46	19.09	1.00	22.34	20.43	21.38	24.07	18.59	
406	23.62	21.17	22.62	20.67	20.34	21.80	22.07	1.00	22.31	19.83	22.22	23.09	19.87	
2257	18.87	19.58	22.08	20.88	20.58	22.19	21.84	1.00	22.15	19.44	21.98	23.21	19.24	
3010	19.45	19.62	22.46	22.22	21.95	21.97	21.63	1.80	22.44	21.23	22.34	23.67	19.53	
3027	23.63	20.69	21.45	20.04	20.49	21.83	20.50	1.00	23.00	19.62	22.46	23.43	18.73	
3076	21.00	22.10	23.44	19.39	20.68	22.01	21.54	1.00	22.80	19.84	22.38	23.18	19.32	
3171	18.64	19.55	21.14	20.49	19.89	21.62	20.34	1.00	22.23	19.39	21.65	22.97	18.41	
4059	21.89	18.34	20.96	19.44	18.28	19.11	18.94	1.00	20.19	18.78	21.11	21.40	18.31	
5033	19.73	20.66	24.02	22.49	21.77	20.12	21.29	1.00	21.70	12.94	24.24	23.51	19.53	
5126	20.81	21.44	22.87	19.75	19.44	20.22	20.41	1.00	21.28	19.25	22.40	22.23	19.06	
5144	23.97	22.62	18.20	20.20	19.77	21.42	19.95	1.00	21.05	19.33	21.69	23.64	18.34	
5275	2.56	7.99	11.45	20.53	19.42	19.54	19.45	1.00	20.54	20.00	16.13	20.06	15.71	
6039	23.98	21.71	24.20	20.55	21.39	21.61	22.31	1.00	22.89	20.25	22.94	23.74	19.46	
6085	24.67	21.65	23.16	20.46	21.13	21.83	19.87	1.00	23.03	19.99	22.80	24.30	19.20	

Supplemental Table 2

SampleID	41-CT Replicate Means													
	MIR-211_41-CT	MIR-204_41-CT	MIR-139-5p_41-CT	MIR-328_41-CT	MIR-132_41-CT	MIR-126_41-CT	MIR-138_41-CT	MIR-208b_41-CT	MIR-191_41-CT	MIR-331-3p_41-CT	MIR-149_41-CT	MIR-342-3p_41-CT	MIR-370_41-CT	
7025	24.07	21.49	23.96	22.29	22.65	22.79	22.76	6.39	22.90	20.48	23.69	24.14	19.22	
7029	22.63	21.44	23.76	20.22	19.59	21.86	20.94	1.00	22.14	19.31	22.32	23.37	18.61	
7040	23.85	20.54	23.55	20.10	20.37	20.80	20.92	1.00	22.13	19.79	23.00	23.47	18.80	
7047	24.91	21.19	22.29	20.57	20.86	21.24	20.92	1.00	22.05	19.25	22.51	23.31	19.08	
7076	19.96	21.19	22.50	20.02	19.97	20.95	20.99	1.00	22.88	19.36	21.84	24.36	18.83	
8018	21.58	18.41	21.48	18.84	20.03	20.88	20.21	1.00	21.98	18.89	20.56	22.45	18.42	
8046	18.11	17.05	19.29	20.69	21.01	21.66	22.20	1.00	22.14	19.86	21.47	23.05	19.70	
8074	25.15	21.08	22.74	20.57	21.15	22.09	21.59	1.00	23.12	19.84	22.71	23.66	19.24	
376	23.72	22.09	22.11	20.21	21.86	23.43	22.46	1.00	22.34	19.42	21.54	23.00	18.72	
2193	25.64	22.29	25.35	22.53	23.10	23.76	23.98	1.00	24.39	15.24	24.49	25.69	20.45	
2242	21.53	22.81	24.92	22.25	23.64	22.61	23.26	1.00	24.06	21.27	24.11	24.57	20.02	
3055	23.95	21.15	22.99	21.31	22.09	22.54	22.40	1.00	22.92	20.73	22.96	23.77	19.59	
3077	26.51	22.37	24.45	21.59	22.46	22.99	23.07	1.00	23.61	21.03	23.85	24.54	20.04	
4021	19.83	20.75	23.03	20.63	20.87	21.57	20.70	1.00	22.38	20.20	22.53	22.95	19.42	
4085	20.18	19.26	23.39	20.96	19.81	19.37	20.58	1.00	21.04	19.84	22.36	22.30	19.94	
4193	24.10	20.60	21.50	20.55	20.08	22.03	22.55	1.00	23.74	20.87	22.64	24.04	20.03	
5031	22.71	24.11	18.48	19.31	18.62	20.48	18.22	1.00	21.86	18.92	19.63	22.32	18.27	
5106	22.21	21.62	22.89	20.22	20.08	21.48	20.01	1.00	21.05	19.31	22.44	22.05	18.73	
5123	22.26	18.17	20.86	21.07	22.51	22.70	22.78	1.00	22.56	20.13	21.80	23.38	19.73	
6001	17.25	17.70	20.76	18.75	17.47	18.53	18.23	2.19	19.22	17.18	19.73	19.93	17.94	
6017	21.69	21.76	23.59	20.92	20.98	21.54	21.01	1.00	23.28	20.50	23.34	24.19	19.34	
6095	20.79	21.09	23.55	21.50	22.07	22.16	22.48	1.00	22.61	21.23	22.73	24.57	20.21	
6101	23.14	19.99	23.04	21.12	21.89	21.83	22.16	1.00	21.98	19.89	22.01	22.63	19.69	
7031	22.89	20.42	24.09	22.28	23.16	22.72	22.90	1.00	23.21	21.04	23.62	24.36	19.67	
7042	22.16	19.90	23.75	22.00	22.35	20.92	22.20	1.00	22.56	21.22	23.79	24.23	19.59	
7089	22.35	19.37	23.04	21.25	22.59	22.16	22.33	1.00	22.96	20.24	22.46	23.72	19.28	
8017	21.54	19.83	21.38	21.47	22.92	22.56	22.09	1.00	22.65	19.99	22.54	23.24	19.01	
8053	22.31	21.24	22.91	21.19	21.86	22.98	22.60	3.78	22.72	19.97	22.83	23.62	19.67	
8066	19.17	20.19	21.71	19.80	21.29	20.25	21.13	1.00	21.61	18.91	21.44	22.08	19.42	

Supplemental Table 2

SampleID	MIR-330-3p 41-CT	MIR-15a 41-CT	MIR-501 41-CT	MIR-98 41-CT	MIR-346 41-CT	MIR-152 41-CT	MIR-181c 41-CT	MIR-184 41-CT	MIR-211ACT	MIR-204ACT	MIR-139-5pACT	MIR-328ACT	MIR-132ACT	MIR-126ACT	MIR-138ACT
406	16.28	16.96	15.06	17.39	18.50	15.26	13.26	15.21	-0.38	-0.60	4.19	1.81	2.19	-0.72	2.00
2257	15.98	17.68	14.75	13.68	15.61	14.06	14.06	13.60	0.16	-0.70	4.64	1.26	0.85	-0.23	0.79
3010	15.60	16.76	15.08	14.29	1.00	13.17	12.27	13.23	7.90	-0.05	5.46	0.69	1.66	-0.85	1.21
3027	18.18	20.22	16.65	19.03	18.60	16.92	16.31	16.01	-3.44	-2.86	1.74	1.02	0.64	-2.30	-0.41
3076	17.51	17.41	17.30	18.35	17.69	14.41	14.06	15.39	0.70	-0.13	4.48	2.20	1.94	0.91	2.34
3171	16.87	17.90	14.71	16.23	16.64	14.70	14.24	15.21	8.04	-0.05	3.65	1.32	1.75	-0.80	7.37
4059	15.00	14.63	15.57	12.03	13.91	12.80	11.64	13.80	-1.51	0.00	4.36	1.22	3.46	1.40	2.57
5033	15.15	15.00	12.78	14.40	16.83	12.47	12.10	13.16	2.77	1.47	5.46	0.82	3.76	2.31	2.52
5126	17.13	17.78	22.02	17.58	17.89	16.05	14.44	15.60	0.13	-0.53	4.21	1.29	2.48	-0.78	1.44
5144	16.31	16.03	14.12	17.90	18.28	15.17	12.84	14.87	-1.70	1.41	-0.66	1.08	1.66	-0.50	1.20
5275	12.30	11.99	11.14	1.00	13.27	10.66	10.00	11.02	2.87	2.68	8.82	-1.39	0.51	0.44	0.74
6039	17.03	16.52	17.11	16.83	16.84	14.22	14.37	15.32	-0.11	-1.27	3.22	1.33	2.61	1.30	2.50
6085	16.59	15.92	14.66	15.12	17.28	15.30	14.70	14.35	-3.42	-2.43	1.06	1.61	1.50	-1.26	1.20
7025	17.51	18.11	16.57	16.82	17.97	13.88	13.66	14.60	-1.68	-2.05	2.76	1.92	2.11	0.07	1.99
7029	17.15	18.55	16.03	17.60	17.55	15.07	14.35	15.49	-1.86	-2.23	2.11	1.22	2.32	0.06	2.16
7040	17.11	16.20	16.39	17.11	16.68	13.91	14.27	15.17	-1.66	-1.37	2.76	2.17	2.60	0.64	2.06
7047	16.59	17.51	14.07	18.56	17.91	14.89	13.87	15.10	-0.74	-2.34	3.19	1.96	1.79	0.06	2.13
7076	15.88	13.83	11.81	13.78	15.69	14.27	13.58	14.12	-0.77	-1.90	2.43	1.60	2.30	0.41	1.86
8018	16.63	16.64	14.01	16.24	14.03	15.01	13.31	14.54	-0.77	-2.27	2.96	2.28	1.58	-1.30	0.97
8046	13.64	13.91	4.79	10.62	11.61	11.29	11.83	10.03	5.06	3.06	2.80	0.13	4.58	3.46	3.01
8074	15.88	17.42	12.90	14.18	13.41	13.40	13.07	13.17	-1.96	-2.92	2.87	1.51	2.50	-0.71	1.82
376	16.48	18.16	15.66	17.09	17.08	14.09	12.79	13.98	-2.36	-1.68	2.86	2.30	1.53	0.35	1.81
2193	17.15	18.86	15.87	17.55	17.14	15.55	14.91	16.09	1.02	0.74	4.89	2.06	2.89	0.04	3.42
2242	17.84	17.52	17.37	16.86	18.74	15.65	14.52	16.44	-0.56	0.45	1.64	2.35	2.47	2.74	3.49
3055	15.00	16.94	10.20	12.42	13.96	13.85	11.84	11.55	-3.16	-0.92	2.78	0.76	1.18	-1.08	1.69
3077	18.38	19.96	17.35	19.45	16.27	16.60	15.82	15.24	-3.48	-3.96	2.23	2.86	1.03	-2.75	0.01
4021	16.96	19.17	14.99	18.27	17.00	14.23	14.69	15.26	-1.31	-1.17	3.19	2.14	2.35	0.68	2.92
4085	15.62	16.93	14.71	8.93	17.31	11.23	11.73	14.33	-0.18	0.35	4.43	2.29	3.56	3.32	3.45
4193	15.04	18.17	13.45	15.41	15.32	13.57	13.00	13.48	-1.41	-2.25	3.77	2.04	1.56	-0.66	1.66
5031	15.74	16.69	16.44	17.37	17.71	13.94	13.84	14.39	1.05	0.01	4.78	0.13	1.20	0.15	2.78
5106	16.37	11.79	14.81	14.70	18.03	13.16	12.77	13.87	-1.74	-0.27	3.74	1.47	2.95	2.78	3.27
5123	15.69	16.82	13.63	17.04	16.40	14.67	12.67	14.53	0.47	1.00	5.49	0.66	2.51	1.26	2.83
6001	17.39	17.72	16.49	19.32	17.98	15.22	14.53	15.76	-2.83	-2.48	2.28	1.43	2.45	-0.48	2.37
6017	14.10	16.11	14.04	15.56	14.28	12.73	12.40	13.83	5.49	-1.93	2.91	1.89	2.06	0.09	2.64
6095	17.17	18.34	16.44	18.43	17.65	15.13	14.14	15.24	-3.95	-1.16	3.74	2.17	1.65	0.28	2.52
6101	16.84	17.55	16.52	18.06	17.19	13.48	14.06	15.73	-0.75	-1.11	3.03	1.90	2.77	0.70	2.78
7031	13.69	12.51	13.06	1.00	16.09	11.82	11.88	11.54	-2.41	1.96	3.54	0.85	4.44	4.10	4.61
7042	17.52	19.69	15.56	17.23	18.01	14.18	13.52	14.21	-1.02	-2.12	3.19	1.96	1.84	0.40	2.78
7089	16.48	20.03	14.06	16.56	16.87	13.82	13.21	13.04	-1.40	-1.88	3.79	1.38	1.77	-0.39	2.09
8017	16.65	19.23	13.85	17.36	17.10	15.19	14.75	14.82	-0.96	-1.66	3.79	1.41	0.85	-0.14	2.33
8053	16.13	18.73	15.08	16.19	16.83	14.91	11.93	14.01	-3.45	-0.69	3.45	2.15	1.98	-0.48	2.37
8066	15.08	16.45	14.74	16.58	15.41	14.53	13.78	12.92	13.73	0.01	4.94	0.38	0.54	-0.54	1.83
406	16.48	14.22	11.74	15.06	18.12	14.08	11.99	11.80	-1.86	0.58	-0.86	1.09	1.41	-0.04	-0.31
2257	15.70	13.33	13.52	16.82	16.51	13.84	13.24	13.02	1.09	0.38	-2.12	-0.92	-0.22	-2.22	-1.88
3010	16.85	17.53	13.91	12.31	16.82	13.98	14.13	17.21	3.12	2.96	0.12	0.36	0.63	0.61	0.95
3027	16.04	15.49	13.79	13.84	18.05	14.69	14.25	13.13	-3.22	-0.27	-1.03	0.38	-0.07	-1.41	-0.09
3076	15.96	13.59	12.01	16.69	16.05	14.75	12.76	16.64	0.48	-0.63	-1.96	2.09	0.80	-0.54	-0.06
3171	15.72	17.62	9.91	13.51	14.86	14.89	12.95	12.37	2.45	1.54	-0.04	0.60	1.20	-0.52	0.75
4059	13.97	13.96	3.02	11.02	17.27	10.72	10.56	9.83	-1.64	1.91	-0.71	0.82	1.97	1.14	1.32
5033	16.56	15.88	15.34	12.98	17.97	13.32	13.09	13.40	3.46	2.53	-0.83	0.70	1.42	3.07	1.90
5126	15.92	13.63	11.78	12.24	17.31	13.69	11.50	14.71	1.08	0.45	-0.97	2.14	2.45	1.67	1.48
5144	14.35	16.03	15.98	13.81	16.55	12.16	10.96	12.04	-2.98	-1.63	2.79	0.79	1.22	-0.42	1.04
5275	12.10	9.75	10.66	1.00	13.66	12.35	9.92	9.37	14.58	9.15	5.68	-3.40	-2.29	-2.40	-2.31
6039	16.59	17.73	12.77	15.47	17.49	14.66	13.37	17.75	-1.99	0.28	-2.21	1.44	0.59	0.37	-0.33
6085	16.75	14.63	14.50	12.33	14.92	13.89	14.26	13.15	-3.11	-0.08	-1.59	1.10	0.43	-0.27	1.69

Supplemental Table 2

SampleID	MIR-330-3p_41-CT	MIR-15a_41-CT	MIR-501_41-CT	MIR-98_41-CT	MIR-346_41-CT	MIR-152_41-CT	MIR-181c_41-CT	MIR-184_41-CT	MIR-211ACT	MIR-204ACT	MIR-139-5pΔCT	MIR-328ACT	MIR-132ACT	MIR-126ACT	MIR-138ACT
7025	17.14	12.33	13.90	17.35	16.77	15.03	14.49	18.45	-1.46	1.12	-1.35	0.31	-0.05	-0.19	-0.15
7029	14.85	13.19	14.26	13.25	17.24	14.79	11.50	13.11	-0.44	0.75	-1.57	1.97	2.59	0.32	1.24
7040	16.34	14.70	9.22	13.03	16.38	13.09	13.24	15.49	-2.60	0.70	-2.30	1.15	0.88	0.45	0.33
7047	16.66	9.39	10.94	16.65	17.98	14.54	13.23	14.74	-3.54	0.17	-0.93	0.79	0.50	0.12	0.45
7076	16.71	15.76	13.70	10.19	17.15	13.61	12.89	14.08	1.62	0.39	-0.92	1.56	1.61	0.63	0.59
8018	15.04	16.30	12.84	10.07	15.75	13.21	11.91	13.58	-1.31	1.86	-1.21	1.43	0.24	-0.61	0.06
8046	15.52	14.87	11.27	14.05	17.07	13.82	11.50	18.18	2.83	3.88	1.65	0.25	-0.08	-0.72	-1.27
8074	16.90	11.50	12.60	14.95	18.07	14.82	13.93	13.61	-3.68	0.39	-1.28	0.90	0.32	-0.62	-0.12
376	16.12	16.53	13.21	16.50	16.52	16.19	13.97	19.04	-3.53	-1.89	-1.92	-0.01	-1.66	-3.23	-2.27
2193	17.91	14.12	16.56	17.86	18.87	16.26	14.79	19.55	-1.65	1.70	-1.36	1.46	0.89	0.23	0.02
2242	17.68	15.09	15.85	17.34	17.40	14.93	14.65	20.74	2.22	0.94	-1.18	1.50	0.10	1.14	0.49
3055	16.61	14.93	10.72	13.29	17.98	13.92	12.84	16.95	-1.71	1.10	-0.74	0.94	0.16	-0.30	-0.15
3077	17.05	14.51	14.87	17.19	19.19	15.22	13.57	19.90	-3.10	1.04	-1.04	1.82	0.96	0.42	0.34
4021	15.89	10.56	15.79	11.13	16.98	13.33	12.93	14.49	2.50	1.58	-0.70	1.70	1.46	0.76	1.63
4085	14.86	10.35	3.32	1.00	13.60	11.02	10.49	12.77	2.36	3.28	-0.86	1.58	2.73	3.16	1.95
4193	16.72	15.00	12.94	15.52	18.75	15.13	13.08	15.78	-2.06	1.44	0.54	1.49	1.97	0.01	-0.51
5031	14.66	12.31	7.12	11.45	14.49	14.75	11.84	11.85	-1.86	-3.26	2.37	1.55	2.24	0.38	2.63
5106	14.86	12.31	12.88	13.08	14.77	13.92	10.73	12.95	-0.41	0.17	-1.10	1.58	1.72	0.32	1.79
5123	16.44	16.01	9.07	14.37	17.57	15.43	12.42	18.89	-0.77	3.33	0.64	0.43	-1.02	-1.20	-1.28
6001	13.81	8.35	11.86	10.40	14.05	10.10	9.42	8.84	1.92	1.47	-1.59	0.42	1.70	0.64	0.93
6017	16.87	10.22	14.82	14.02	16.55	14.58	13.62	14.79	1.14	1.07	-0.76	1.91	1.85	1.29	1.83
6095	16.96	11.96	13.62	14.70	17.22	13.95	11.68	17.40	2.03	1.73	-0.72	1.32	0.75	0.67	0.35
6101	15.18	10.57	10.48	15.00	16.46	14.04	12.70	18.74	-0.85	2.30	-0.74	1.18	0.40	0.46	0.13
7031	16.94	16.67	15.67	13.52	18.21	13.60	13.71	14.33	0.60	3.07	-0.60	1.21	0.33	0.77	0.59
7042	17.00	9.97	11.12	15.58	16.57	12.14	11.92	12.64	0.26	2.52	-1.33	0.42	0.07	1.50	0.21
7089	15.00	13.80	10.99	13.32	17.61	13.99	12.53	16.71	-0.83	2.15	-1.51	0.28	-1.07	-0.64	-0.80
8017	16.00	13.62	10.15	10.94	17.94	15.53	13.31	13.53	0.13	1.84	0.29	0.20	-1.25	-0.89	-0.42
8053	16.40	11.47	11.40	14.74	16.37	14.99	12.36	13.74	-0.64	0.43	-1.24	0.48	-0.19	-1.30	-0.93
8066	14.96	10.13	11.91	14.38	15.88	13.67	11.60	18.99	1.85	0.83	-0.69	1.22	-0.27	0.77	-0.11

Supplemental Table 2

ΔCT = (Raw CT miRNA) - (Raw CT mean endogenous controls)														
SampleID	MIR-208bΔCT	MIR-191ΔCT	MIR-331-3pΔCT	MIR-149ΔCT	MIR-342-3pΔCT	MIR-370ΔCT	MIR-330-3pΔCT	MIR-15aΔCT	MIR-501ΔCT	MIR-98ΔCT	MIR-346ΔCT	MIR-152ΔCT	MIR-181cΔCT	MIR-184ΔCT
406	21.11	-1.94	1.03	-0.33	-3.26	3.78	5.83	5.15	7.05	4.72	3.61	6.85	8.85	6.90
2257	20.95	-1.35	1.23	-0.70	-3.08	3.93	5.97	4.27	7.20	8.26	6.34	7.88	7.89	8.35
3010	19.73	-1.65	0.18	-0.96	-3.31	3.17	5.12	3.97	5.65	6.44	19.73	7.55	8.46	7.50
3027	20.91	-2.57	0.26	-1.23	-4.44	4.00	3.73	1.69	5.27	2.89	3.31	4.99	5.61	5.91
3076	22.71	0.14	1.94	-0.02	-1.93	4.55	6.20	6.30	6.40	5.36	6.02	9.29	9.65	8.32
3171	20.99	-1.23	0.71	-0.50	-3.06	4.42	5.11	4.09	7.27	5.76	5.34	7.28	7.75	6.78
4059	20.50	-0.17	1.48	-0.38	-1.55	3.64	6.50	6.87	5.93	9.47	7.59	8.70	9.86	7.69
5033	14.16	0.05	1.05	-0.94	-1.40	3.32	6.63	6.78	8.99	7.37	4.94	9.31	9.67	8.61
5126	22.30	-1.37	0.90	0.18	-3.70	4.60	6.17	5.52	1.28	5.72	5.41	7.25	8.86	7.70
5144	22.04	0.02	2.14	-0.54	-2.23	3.68	6.73	7.01	8.92	5.14	4.76	7.87	10.20	8.16
5275	18.05	-1.80	-1.13	3.06	-1.32	2.86	6.75	7.06	7.90	18.05	5.77	8.39	9.04	8.03
6039	14.98	0.23	1.86	-0.43	-2.20	4.61	5.79	6.30	5.71	5.99	5.98	8.60	8.44	7.50
6085	21.04	-1.69	1.15	-0.43	-3.02	3.70	5.45	6.12	7.38	6.92	4.76	6.74	7.34	7.69
7025	14.61	-1.32	1.18	-0.37	-3.10	4.86	5.99	5.39	6.92	6.67	5.53	9.61	9.84	8.89
7029	22.24	-0.46	1.46	-0.27	-2.33	4.94	6.09	4.69	7.21	5.64	5.69	8.17	8.89	7.75
7040	21.62	-0.40	1.83	0.09	-2.52	4.93	5.51	6.42	6.23	5.51	5.94	8.71	8.35	7.45
7047	21.51	-1.07	1.16	-0.99	-3.00	4.05	5.93	5.00	8.45	3.95	4.61	7.62	8.64	7.42
7076	20.16	-0.69	1.55	-1.01	-2.60	3.63	5.28	7.32	9.35	7.37	5.47	6.89	7.58	7.04
8018	20.68	-2.05	0.57	-0.01	-4.23	3.88	5.05	5.04	7.68	5.44	7.66	6.68	8.37	7.15
8046	17.70	-0.39	2.38	0.57	-0.84	0.34	5.06	4.79	13.92	8.08	7.10	7.41	6.87	8.67
8074	20.20	-1.38	0.95	-0.61	-3.24	3.41	5.31	3.78	8.30	7.02	7.78	7.79	8.13	8.03
376	21.12	-0.72	1.43	-0.58	-2.64	3.63	5.64	3.96	6.46	5.03	5.04	8.03	9.33	8.14
2193	23.04	0.47	1.85	-0.09	-1.47	4.93	6.89	5.18	8.18	6.50	6.90	8.49	9.13	7.96
2242	23.22	-0.14	2.64	-0.22	-1.60	4.67	6.38	6.70	6.85	7.36	5.49	8.58	9.70	7.78
3055	19.31	-1.12	0.52	-0.36	-2.18	2.09	5.31	3.38	10.11	7.89	6.35	6.46	8.48	8.76
3077	21.52	-2.06	0.13	-1.11	-4.72	4.87	4.14	2.56	5.18	3.08	6.26	5.92	6.70	7.28
4021	22.43	-0.47	1.06	0.01	-1.89	4.53	6.47	4.27	8.45	5.16	6.43	9.21	8.74	8.17
4085	22.22	0.29	1.86	1.54	-1.64	4.62	7.60	6.29	8.51	14.29	5.92	12.00	11.49	8.90
4193	20.44	-1.36	0.71	-0.09	-3.02	3.57	6.40	3.27	7.99	6.04	6.13	7.87	8.44	7.96
5031	10.14	-1.04	1.00	-0.65	-2.72	3.41	6.38	5.43	5.68	4.75	4.41	8.18	8.28	7.73
5106	21.62	0.95	1.44	-0.39	-1.38	4.03	6.25	10.83	7.81	7.93	4.60	9.46	9.85	8.75
5123	21.19	-0.50	1.07	0.34	-1.72	3.72	6.50	5.38	8.57	5.15	5.80	7.52	9.52	7.66
6001	22.34	-0.90	0.69	-0.31	-2.97	4.51	5.95	5.62	6.85	4.02	5.36	8.12	8.81	7.58
6017	19.96	-0.48	1.67	-0.39	-2.50	3.71	6.85	4.85	6.92	5.40	6.68	8.23	8.56	7.13
6095	22.51	-0.77	1.24	-0.38	-2.45	4.10	6.35	4.77	7.07	5.08	5.86	8.38	9.38	8.27
6101	11.08	0.13	1.47	-0.16	-2.06	4.55	6.01	5.31	6.34	4.80	5.67	9.38	8.80	7.12
7031	19.72	1.18	2.84	0.74	0.64	2.76	7.03	8.21	7.66	19.72	4.63	8.90	8.84	9.18
7042	21.99	-0.86	1.17	-0.54	-2.95	4.16	5.47	3.30	7.43	5.76	4.98	8.81	9.46	8.78
7089	20.86	-1.09	0.74	-0.41	-3.23	3.04	5.38	1.83	7.80	5.30	4.99	8.04	8.66	8.83
8017	21.63	-1.35	0.67	-0.61	-3.02	2.98	5.98	3.39	8.77	5.27	5.53	7.44	7.87	7.81
8053	21.08	-1.72	1.30	-0.14	-2.92	8.17	5.95	3.35	7.00	5.89	5.25	7.17	10.15	8.07
8066	19.92	-1.42	0.49	-0.46	-3.15	2.33	5.84	4.47	6.18	4.34	5.51	6.39	7.14	8.00
406	20.76	-0.55	1.93	-0.46	-1.33	1.88	5.28	7.54	10.02	6.70	3.64	7.68	9.77	9.96
2257	18.96	-2.19	0.52	-2.01	-3.25	0.72	4.27	6.63	6.44	3.14	3.45	6.13	6.72	6.94
3010	20.78	0.14	1.35	0.24	-1.09	3.05	5.73	5.05	8.66	10.27	5.75	8.60	8.44	5.36
3027	19.42	-2.58	0.80	-2.04	-3.01	1.69	4.38	4.93	6.63	6.58	2.37	5.73	6.16	7.29
3076	20.48	-1.33	1.63	-0.91	-1.70	2.15	5.52	7.88	9.46	4.79	5.42	6.73	8.72	4.83
3171	20.09	-1.13	1.70	-0.55	-1.88	2.69	5.37	3.48	11.18	7.58	6.23	6.20	8.15	8.72
4059	19.25	0.06	1.47	-0.86	-1.15	1.94	6.28	6.29	17.23	9.24	2.98	9.53	9.69	10.43
5033	22.19	1.49	10.25	-1.05	-0.32	3.66	6.63	7.31	7.85	10.21	5.22	9.87	10.10	9.79
5126	20.89	0.61	2.64	-0.51	-0.34	2.83	5.98	8.26	10.11	9.65	4.58	8.20	10.40	7.19
5144	19.99	-0.06	1.66	-0.70	-2.65	2.65	6.64	4.96	5.01	7.18	4.44	8.83	10.03	8.95
5275	16.13	-3.40	-2.86	1.00	-2.92	1.42	5.03	7.39	6.48	16.13	3.47	4.78	7.21	7.77
6039	20.98	-0.90	1.73	-0.96	-1.75	2.53	5.39	4.26	9.21	6.51	4.50	7.33	8.61	4.24
6085	20.57	-1.46	1.57	-1.23	-2.74	2.37	4.81	6.94	7.07	9.23	6.65	7.67	7.30	8.42

Supplemental Table 2

$\Delta\text{CT} = (\text{Raw CT miRNA}) - (\text{Raw CT mean endogenous controls})$														
SampleID	MIR-208b ΔCT	MIR-191 ΔCT	MIR-331-3p ΔCT	MIR-149 ΔCT	MIR-342-3p ΔCT	MIR-370 ΔCT	MIR-330-3p ΔCT	MIR-15a ΔCT	MIR-501 ΔCT	MIR-98 ΔCT	MIR-346 ΔCT	MIR-152 ΔCT	MIR-181c ΔCT	MIR-184 ΔCT
7025	16.22	-0.29	2.13	-1.08	-1.54	3.38	5.47	10.28	8.71	5.25	5.83	7.57	8.12	4.16
7029	21.19	0.05	2.88	-0.14	-1.18	3.58	7.33	9.00	7.92	8.94	4.95	7.40	10.68	9.08
7040	20.25	-0.89	1.46	-1.75	-2.22	2.45	4.91	6.55	12.03	8.22	4.87	8.15	8.01	5.75
7047	20.36	-0.68	2.12	-1.15	-1.95	2.28	4.70	11.97	10.42	4.71	3.38	6.83	8.14	6.62
7076	20.58	-1.30	2.22	-0.26	-2.78	2.75	4.88	5.83	7.88	11.40	4.43	7.98	8.69	7.50
8018	19.27	-1.71	1.38	-0.29	-2.18	1.85	5.23	3.97	7.43	10.20	4.52	7.06	8.36	6.69
8046	19.94	-1.20	1.08	-0.53	-2.11	1.23	5.42	6.07	9.67	6.89	3.87	7.12	9.44	2.76
8074	20.47	-1.65	1.63	-1.24	-2.19	2.23	4.57	9.97	8.87	6.52	3.39	6.65	7.54	7.86
376	19.20	-2.15	0.77	-1.34	-2.81	1.48	4.08	3.67	6.99	3.69	3.68	4.00	6.23	1.16
2193	22.99	-0.40	8.75	-0.50	-1.70	3.55	6.08	9.87	7.43	6.13	5.12	7.73	9.20	4.44
2242	22.75	-0.31	2.48	-0.36	-0.82	3.73	6.07	8.65	7.90	6.40	6.34	8.82	9.10	3.01
3055	21.25	-0.67	1.52	-0.72	-1.52	2.66	5.64	7.32	11.52	8.96	4.27	8.33	9.41	5.29
3077	22.41	-0.20	2.38	-0.44	-1.12	3.37	6.36	8.91	8.54	6.23	4.22	8.19	9.84	3.52
4021	21.33	-0.05	2.13	-0.20	-0.62	2.91	6.44	11.77	6.54	11.20	5.35	9.00	9.40	7.84
4085	21.54	1.50	2.69	0.18	0.24	2.60	7.67	12.19	19.22	21.54	8.94	11.51	12.05	9.77
4193	21.04	-1.70	1.18	-0.60	-1.99	2.01	5.32	7.04	9.10	6.52	3.29	6.91	8.96	6.27
5031	19.85	-1.00	1.94	1.23	-1.46	2.59	6.19	8.54	13.74	9.40	6.37	6.11	9.02	9.01
5106	20.80	0.75	2.49	-0.64	-0.26	3.07	6.94	9.48	8.91	8.71	7.02	7.87	11.07	8.84
5123	20.50	-1.06	1.37	-0.30	-1.88	1.77	5.06	5.48	12.43	7.12	3.93	6.07	9.08	2.60
6001	16.98	-0.05	1.99	-0.56	-0.76	1.23	5.36	10.82	7.31	8.77	5.12	9.07	9.75	10.33
6017	21.83	-0.45	2.33	-0.51	-1.36	3.49	5.96	12.61	8.01	8.81	6.28	8.25	9.21	8.04
6095	21.82	0.22	1.60	0.09	-1.74	2.62	5.87	10.87	9.20	8.13	5.60	8.88	11.14	5.42
6101	21.29	0.32	2.40	0.28	-0.33	2.60	7.12	11.73	11.81	7.30	5.84	8.26	9.60	3.56
7031	22.49	0.28	2.45	-0.13	-0.87	3.82	6.55	6.82	7.82	9.97	5.28	9.89	9.78	9.16
7042	21.42	-0.14	1.20	-1.38	-1.81	2.83	5.42	12.44	11.30	6.84	5.85	10.28	10.50	9.78
7089	20.53	-1.44	1.29	-0.93	-2.19	2.25	6.52	7.72	10.54	8.20	3.91	7.54	9.00	4.82
8017	20.67	-0.98	1.68	-0.87	-1.57	2.66	5.67	8.05	11.52	10.73	3.73	6.14	8.36	8.14
8053	17.89	-1.05	1.70	-1.16	-1.95	2.00	5.28	10.20	10.27	6.93	5.30	6.68	9.31	7.93
8066	20.02	-0.60	2.11	-0.42	-1.06	1.60	6.06	10.89	9.11	6.64	5.13	7.35	9.42	2.03

SampleID	
406	
2257	
3010	
3027	
3076	
3171	
4059	
5033	
5126	
5144	
5275	
6039	
6085	
7025	
7029	
7040	
7047	
7076	
8018	
8046	
8074	
376	
2193	
2242	
3055	
3077	
4021	
4085	
4193	
5031	
5106	
5123	
6001	
6017	
6095	
6101	
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7089	
8017	
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2257	
3010	
3027	
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3171	
4059	
5033	
5126	
5144	
5275	
6039	
6085	

Supplemental Table 2. Phase II qRT-PCR results for 21 miRNA in 21 AD and control cerebellum (CB) and hippocampus (HP).

At least 3 miRNA were chosen from each phase I
 RQ = AD HP / Control HP quartile for validation using
 qRT-PCR (of 21 miRNA). Assay replicate means are shown here
 for raw CT, 41-CT and Δ CTs.

Supplemental Table 2

<u>SampleID</u>
7025
7029
7040
7047
7076
8018
8046
8074
376
2193
2242
3055
3077
4021
4085
4193
5031
5106
5123
6001
6017
6095
6101
7031
7042
7089
8017
8053
8066

Supplemental Table 3.

MiRNA	Mean Raw CT				Mean 41-CT				Relative Quantification Ratio = (Mean41-CT) / (Mean41-CT)			
	Cntrl CB	Cntrl HP	AD CB	AD HP	Cntrl CB	Cntrl HP	AD CB	AD HP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB
MiR-15a	23.51	28.21	24.48	26.65	17.49	12.79	16.52	14.35	1.123	0.945	0.869	0.731
MiR-501	26.03	28.89	26.36	28.73	14.97	12.11	14.64	12.27	1.013	0.978	0.838	0.809
MiR-208b	38.96	39.81	38.98	39.71	2.04	1.19	2.02	1.29	1.089	0.990	0.642	0.584
MiR-181c	27.53	28.42	27.56	28.35	13.47	12.58	13.44	12.65	1.006	0.998	0.941	0.934
MiR-346	24.22	24.19	25.42	24.24	16.78	16.81	15.58	16.76	0.997	0.929	1.076	1.002
MiR-342-3p	16.25	17.61	16.39	17.85	24.75	23.39	24.61	23.15	0.990	0.994	0.941	0.945
MiR-3303p	24.75	24.91	24.79	25.18	16.25	16.09	16.21	15.82	0.983	0.997	0.976	0.990
MiR-152	26.83	26.87	26.86	27.19	14.17	14.13	14.14	13.81	0.977	0.998	0.976	0.997
MiR-191	18.00	18.49	18.07	18.86	23.00	22.51	22.93	22.14	0.983	0.997	0.965	0.979
MiR-98	25.22	27.41	25.82	27.83	15.78	13.59	15.18	13.17	0.969	0.962	0.868	0.861
MiR-149	18.41	18.48	18.79	18.98	22.59	22.52	22.21	22.02	0.978	0.983	0.992	0.997
MiR-331-3p	19.85	21.14	20.21	21.63	21.15	19.86	20.79	19.37	0.975	0.983	0.931	0.939
MiR-328	20.26	20.00	20.36	20.50	20.74	21.00	20.64	20.50	0.976	0.995	0.993	1.012
MiR-126	19.11	19.16	19.15	19.69	21.89	21.84	21.85	21.31	0.976	0.998	0.975	0.998
MiR-370	22.63	21.54	22.89	22.11	18.37	19.46	18.11	18.89	0.970	0.986	1.043	1.060
MiR-138	21.17	19.23	21.05	20.02	19.83	21.77	19.95	20.98	0.964	1.006	1.052	1.098
MiR-204	17.72	20.20	18.35	21.02	23.28	20.80	22.65	19.98	0.961	0.973	0.882	0.893
MiR-139-5p	22.16	18.25	22.52	19.21	18.84	22.75	18.48	21.79	0.958	0.981	1.179	1.208
MiR-132	20.69	19.49	21.20	20.49	20.31	21.51	19.80	20.51	0.954	0.975	1.036	1.059
MiR-211	18.18	18.81	19.43	19.90	22.82	22.19	21.57	21.10	0.951	0.945	0.978	0.972
MiR-184	26.70	25.16	26.76	26.92	14.30	15.84	14.24	14.08	0.889	0.996	0.989	1.108

Supplemental Table 3.

MiRNA	$\Delta CT = (\text{Mean Raw CT miRNA}) - (\text{Mean Raw CT mean endogenous controls})$				$\Delta\Delta CT = \text{Mean } \Delta CT_{\text{brain region 1}} - \text{Mean } \Delta CT_{\text{brain region 2}}$			
	Mean $\Delta CT_{\text{CntrlCB}}$	Mean $\Delta CT_{\text{CntrlHP}}$	Mean ΔCT_{ADCB}	Mean ΔCT_{ADHP}	$\Delta\Delta CT_{\text{[ADHP-CntrlHP]}}$	$\Delta\Delta CT_{\text{[ADCB-CntrlCB]}}$	$\Delta\Delta CT_{\text{[ADHP-ADCB]}}$	$\Delta\Delta CT_{\text{[CntrlHP-CntrlCB]}}$
MiR-15a	4.89	9.29	5.41	6.88	-2.41	0.51	1.48	4.40
MiR-501	7.42	9.96	7.29	8.97	-1.00	-0.13	1.68	2.54
MiR-208b	20.35	20.89	19.91	19.94	-0.94	-0.44	0.03	0.54
MiR-181c	8.92	9.50	8.49	8.58	-0.91	-0.43	0.09	0.58
MiR-346	5.61	5.27	6.35	4.47	-0.79	0.74	-1.88	-0.34
MiR-342-3p	-2.36	-1.31	-2.68	-1.92	-0.60	-0.32	0.77	1.05
MiR-3303p	6.13	5.98	5.72	5.42	-0.56	-0.41	-0.30	-0.15
MiR-152	8.22	7.95	7.79	7.43	-0.52	-0.43	-0.36	-0.27
MiR-191	-0.62	-0.44	-1.00	-0.90	-0.47	-0.39	0.10	0.18
MiR-98	6.61	8.49	6.75	8.06	-0.42	0.14	1.31	1.88
MiR-149	-0.20	-0.44	-0.28	-0.78	-0.34	-0.07	-0.51	-0.24
MiR-331-3p	1.24	2.21	1.14	1.87	-0.34	-0.10	0.73	0.97
MiR-328	1.65	1.08	1.29	0.74	-0.34	-0.36	-0.55	-0.57
MiR-126	0.49	0.24	0.08	-0.08	-0.31	-0.42	-0.15	-0.26
MiR-370	4.02	2.61	3.82	2.35	-0.26	-0.20	-1.47	-1.41
MiR-138	2.56	0.31	1.97	0.25	-0.05	-0.58	-1.72	-2.25
MiR-204	-0.89	1.28	-0.72	1.26	-0.02	0.17	1.98	2.17
MiR-139-5p	3.55	-0.68	3.45	-0.56	0.12	-0.09	-4.01	-4.22
MiR-132	2.07	0.57	2.13	0.72	0.16	0.06	-1.41	-1.51
MiR-211	-0.44	-0.11	0.36	0.14	0.25	0.80	-0.23	0.32
MiR-184	8.09	6.24	7.69	7.16	0.92	-0.40	-0.53	-1.85

Supplemental Table 3.

MiRNA	Relative Quantification $\Delta\text{CT} = 2^{-\Delta\Delta\text{CT}}$ - Mean $\Delta\Delta\text{CT}$			
	$2^{-\Delta\Delta\text{CT}[\text{ADHP-CntrlHP}]}$	$2^{-\Delta\Delta\text{CT}[\text{ADCB-CntrlCB}]}$	$2^{-\Delta\Delta\text{CT}[\text{ADHP-ADCB}]}$	$2^{-\Delta\Delta\text{CT}[\text{CntrlHP-CntrlCB}]}$
MiR-15a	22.18	1.20	0.46	0.02
MiR-501	5.42	2.29	0.37	0.16
MiR-208b	5.14	3.10	1.94	1.17
MiR-181c	4.98	3.08	1.82	1.12
MiR-346	4.41	0.95	13.04	2.81
MiR-342-3p	3.66	2.76	0.93	0.70
MiR-3303p	3.51	3.01	2.71	2.32
MiR-152	3.35	3.07	2.86	2.62
MiR-191	3.19	2.94	1.81	1.67
MiR-98	3.05	1.73	0.54	0.31
MiR-149	2.82	2.15	3.32	2.54
MiR-331-3p	2.81	2.21	0.96	0.76
MiR-328	2.81	2.87	3.46	3.53
MiR-126	2.73	3.04	2.33	2.59
MiR-370	2.60	2.43	8.73	8.17
MiR-138	2.11	3.57	11.21	18.96
MiR-204	2.04	1.68	0.28	0.23
MiR-139-5p	1.77	2.20	110.05	136.53
MiR-132	1.71	1.89	8.19	9.04
MiR-211	1.56	0.90	2.51	1.45
MiR-184	0.80	2.97	3.41	12.75

Supplemental Table 3.

MiRNA	
MiR-15a	Supplemental Table 3. Phase II qRT-PCR Relative Quantification (RQ) results for 21 miRNA in 21 AD and control cerebellum (CB) and hippocampus (HP). At least 3 miRNA were selected from each phase I RQ = AD HP / Control HP quartile for validation using qRT-PCR (of 21 miRNA). RQ ratios and RQ Δ CT are shown here for these 21 miRNA.
MiR-501	
MiR-208b	
MiR-181c	
MiR-346	
MiR-342-3p	
MiR-3303p	
MiR-152	
MiR-191	
MiR-98	
MiR-149	
MiR-331-3p	
MiR-328	
MiR-126	
MiR-370	
MiR-138	
MiR-204	
MiR-139-5p	
MiR-132	
MiR-211	
MiR-184	

Supplemental Table 4.

A	Hippocampus 41- CT						Hippocampus 41- CT					
	Plaque Score (absent, sparse, moderate = 0, frequent = 1)						Braak Stage (I-IV = 0, V,VI = 1)					
	miRNA Name	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval Lower	95% Confidence Interval Upper	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval Lower
miR-126	0.7476	0.0749	0.0076	0.1596	0.6008	0.8944	0.7094	0.0820	0.0208	0.4360	0.5486	0.8701
miR-132	0.7740	0.0716	0.0032	0.0672	0.6336	0.9144	0.7574	0.0769	0.0045	0.0945	0.6067	0.9081
miR-138	0.7476	0.0748	0.0076	0.1596	0.6011	0.8941	0.7437	0.0781	0.0071	0.1491	0.5906	0.8968
miR-139-5p	0.5841	0.0934	0.3647	1.0000	0.4011	0.7672	0.5789	0.0902	0.3833	1.0000	0.4021	0.7558
miR-149	0.6731	0.0878	0.0622	1.0000	0.5010	0.8451	0.5973	0.0884	0.2828	1.0000	0.4240	0.7705
miR-152	0.6995	0.0808	0.0316	0.6636	0.5411	0.8579	0.6087	0.0882	0.2300	1.0000	0.4358	0.7816
miR-15a	0.2524	0.0782	0.0076	0.1596	0.0991	0.4057	0.3661	0.0876	0.1393	1.0000	0.1944	0.5379
miR-181c	0.6250	0.0892	0.1780	1.0000	0.4503	0.7997	0.5309	0.0914	0.7330	1.0000	0.3518	0.7100
miR-184	0.6659	0.0841	0.0739	1.0000	0.5010	0.8307	0.6705	0.0834	0.0597	1.0000	0.5069	0.8340
miR-191	0.6899	0.0815	0.0407	0.8547	0.5302	0.8496	0.6178	0.0880	0.1931	1.0000	0.4453	0.7904
miR-204	0.5481	0.0953	0.6044	1.0000	0.3614	0.7348	0.4897	0.0927	0.9095	1.0000	0.3079	0.6715
miR-208b	0.5300	0.0913	0.7461	1.0000	0.3511	0.7090	0.5355	0.0900	0.6953	1.0000	0.3590	0.7119
miR-211	0.6322	0.0903	0.1543	1.0000	0.4552	0.8092	0.4577	0.0935	0.6401	1.0000	0.2745	0.6409
miR-328	0.7236	0.0851	0.0160	0.3360	0.5567	0.8904	0.7391	0.0840	0.0083	0.1743	0.5745	0.9037
miR-330-3p	0.6466	0.0849	0.1141	1.0000	0.4803	0.8130	0.3661	0.0876	0.1393	1.0000	0.1944	0.5379
miR-331-3p	0.6611	0.0854	0.0827	1.0000	0.4938	0.8284	0.7140	0.0809	0.0181	0.3801	0.5554	0.8725
miR-342-3p	0.6034	0.0878	0.2654	1.0000	0.4313	0.7754	0.5789	0.0892	0.3833	1.0000	0.4041	0.7538
miR-346	0.5962	0.0880	0.3002	1.0000	0.4237	0.7686	0.4943	0.0907	0.9496	1.0000	0.3165	0.6720
miR-370	0.6995	0.0826	0.0316	0.6636	0.5376	0.8615	0.7551	0.0765	0.0048	0.1008	0.6053	0.9050
miR-501-5p	0.5120	0.0928	0.8970	1.0000	0.3302	0.6938	0.5195	0.0904	0.8299	1.0000	0.3423	0.6966
miR-98	0.7127	0.0814	0.0219	0.4598	0.5532	0.8723	0.5824	0.0893	0.3630	1.0000	0.4074	0.7574

B	Cerebellum 41- CT						Cerebellum 41- CT					
	Plaque Score (absent, sparse, moderate = 0; frequent =1)						Braak Stage (I-IV = 0, V,VI = 1)					
	miRNA Name	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval Lower	95% Confidence Interval Upper	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval Lower
miR-126	0.5144	0.0986	0.8765	1.0000	0.3212	0.7077	0.4256	0.0942	0.4115	1.0000	0.2411	0.6102
miR-132	0.6563	0.0877	0.0923	1.0000	0.4843	0.8282	0.5789	0.0906	0.3833	1.0000	0.4013	0.7566
miR-138	0.5216	0.0989	0.8157	1.0000	0.3278	0.7155	0.4302	0.0952	0.4409	1.0000	0.2437	0.6167
miR-139-5p	0.5601	0.0978	0.5173	1.0000	0.3684	0.7518	0.4462	0.0914	0.5526	1.0000	0.2670	0.6254
miR-149	0.5865	0.0892	0.3511	1.0000	0.4117	0.7614	0.4966	0.0909	0.9698	1.0000	0.3184	0.6747
miR-152	0.5024	0.0957	0.9793	1.0000	0.3149	0.6899	0.4531	0.0918	0.6044	1.0000	0.2731	0.6331
miR-15a	0.7813	0.0729	0.0024	0.0513	0.6384	0.9241	0.6842	0.0843	0.0419	0.8804	0.5190	0.8494
miR-181c	0.5529	0.0937	0.5688	1.0000	0.3692	0.7365	0.4783	0.0919	0.8103	1.0000	0.2981	0.6584
miR-184	0.4952	0.0938	0.9587	1.0000	0.3114	0.6790	0.4371	0.0921	0.4871	1.0000	0.2566	0.6175
miR-191	0.5986	0.0904	0.2883	1.0000	0.4213	0.7758	0.4920	0.0922	0.9295	1.0000	0.3114	0.6726
miR-204	0.6442	0.0889	0.1202	1.0000	0.4700	0.8184	0.4668	0.0932	0.7140	1.0000	0.2841	0.6495
miR-208b	0.5024	0.0923	0.9793	1.0000	0.3215	0.6833	0.4714	0.0907	0.7521	1.0000	0.2936	0.6492
miR-211	0.6995	0.0852	0.0316	0.6631	0.5324	0.8666	0.5789	0.0901	0.3833	1.0000	0.4023	0.7556
miR-328	0.5313	0.0966	0.7363	1.0000	0.3420	0.7205	0.5080	0.0920	0.9295	1.0000	0.3277	0.6883
miR-330-3p	0.5601	0.0914	0.5173	1.0000	0.3809	0.7393	0.4600	0.0913	0.6583	1.0000	0.2809	0.6390
miR-331-3p	0.6418	0.0880	0.1265	1.0000	0.4694	0.8143	0.5675	0.0900	0.4560	1.0000	0.3911	0.7439
miR-342-3p	0.5649	0.0935	0.4844	1.0000	0.3816	0.7483	0.4577	0.0931	0.6401	1.0000	0.2753	0.6401
miR-346	0.6034	0.0936	0.2654	1.0000	0.4199	0.7868	0.4874	0.0938	0.8895	1.0000	0.3035	0.6713
miR-370	0.6683	0.0874	0.0698	1.0000	0.4969	0.8396	0.6453	0.0867	0.1086	1.0000	0.4753	0.8153
miR-501-5p	0.5385	0.0962	0.6786	1.0000	0.3499	0.7270	0.5286	0.0942	0.7521	1.0000	0.3439	0.7133
miR-98	0.6022	0.0898	0.2710	1.0000	0.4262	0.7782	0.5183	0.0913	0.8398	1.0000	0.3393	0.6973

Supplemental Table 4.

C	Hippocampus Δ CT						Hippocampus Δ CT					
	Plaque Score (absent, sparse, moderate = 0, frequent = 1)						Braak Stage (I-IV = 0, V,VI = 1)					
	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval		AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval	
miRNA Name					Lower	Upper					Lower	Upper
miR-126	0.5111	0.0938	0.9060	1.0000	0.3272	0.6950	0.4050	0.0910	0.2943	1.0000	0.2266	0.5835
miR-132	0.6321	0.0894	0.1602	1.0000	0.4569	0.8073	0.5744	0.0897	0.4115	1.0000	0.3986	0.7501
miR-138	0.6247	0.0935	0.1850	1.0000	0.4415	0.8079	0.5263	0.0905	0.7713	1.0000	0.3489	0.7037
miR-139-5p	0.5037	0.1045	0.9686	1.0000	0.2989	0.7085	0.4256	0.0917	0.4115	1.0000	0.2459	0.6054
miR-149	0.5185	0.0927	0.8439	1.0000	0.3369	0.7002	0.3524	0.0862	0.1031	1.0000	0.1834	0.5214
miR-152	0.5111	0.0909	0.9060	1.0000	0.3330	0.6892	0.3913	0.0889	0.2300	1.0000	0.2170	0.5656
miR-15a	0.1679	0.0618	0.0004	0.0087	0.0468	0.2890	0.2723	0.0785	0.0119	0.2504	0.1185	0.4261
miR-181c	0.4444	0.0968	0.5548	1.0000	0.2547	0.6342	0.3501	0.0913	0.0979	1.0000	0.1712	0.5290
miR-184	0.5728	0.0901	0.4387	1.0000	0.3963	0.7494	0.5995	0.0882	0.2716	1.0000	0.4267	0.7723
miR-191	0.4667	0.0989	0.7231	1.0000	0.2728	0.6606	0.3730	0.0883	0.1608	1.0000	0.1999	0.5461
miR-204	0.5086	0.1004	0.9268	1.0000	0.3118	0.7054	0.3661	0.0908	0.1393	1.0000	0.1883	0.5440
miR-208b	0.3877	0.0869	0.2323	1.0000	0.2173	0.5580	0.2975	0.0825	0.0253	0.5318	0.1358	0.4591
miR-211	0.6123	0.0963	0.2323	1.0000	0.4236	0.8011	0.3936	0.0931	0.2400	1.0000	0.2111	0.5761
miR-328	0.5333	0.0966	0.7231	1.0000	0.3439	0.7227	0.4828	0.0927	0.8497	1.0000	0.3011	0.6646
miR-330-3p	0.4765	0.0934	0.8031	1.0000	0.2934	0.6597	0.3295	0.0877	0.0597	1.0000	0.1576	0.5015
miR-331-3p	0.4420	0.0967	0.5373	1.0000	0.2525	0.6314	0.4622	0.0914	0.6767	1.0000	0.2832	0.6413
miR-342-3p	0.3901	0.0936	0.2428	1.0000	0.2068	0.5735	0.3066	0.0835	0.0327	0.6874	0.1430	0.4703
miR-346	0.4864	0.0910	0.8852	1.0000	0.3080	0.6649	0.3341	0.0849	0.0669	1.0000	0.1677	0.5005
miR-370	0.4988	0.0925	0.9895	1.0000	0.3175	0.6800	0.4211	0.0899	0.3833	1.0000	0.2449	0.5972
miR-501-5p	0.4395	0.0939	0.5201	1.0000	0.2554	0.6236	0.4416	0.0901	0.5193	1.0000	0.2651	0.6182
miR-98	0.7012	0.0845	0.0324	1.0000	0.6805	0.5355	0.8669	0.0912	0.9496	1.0000	0.3270	0.6844

D	Cerebellum Δ CT						Cerebellum Δ CT					
	Plaque Score (absent, sparse, moderate = 0; frequent = 1)						Braak Stage (I-IV = 0, V,VI = 1)					
	AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval		AUC	Std. Error	p-value	Adjusted p-value	95% Confidence Interval	
miRNA Name					Lower	Upper					Lower	Upper
miR-126	0.5210	0.1011	0.8234	1.0000	0.3228	0.7192	0.4531	0.0923	0.6044	1.0000	0.2721	0.6340
miR-132	0.5802	0.0932	0.3936	1.0000	0.3977	0.7628	0.5698	0.0900	0.4409	1.0000	0.3934	0.7462
miR-138	0.3827	0.0919	0.2124	1.0000	0.2026	0.5628	0.3295	0.0852	0.0597	1.0000	0.1624	0.4966
miR-139-5p	0.4864	0.1025	0.8852	1.0000	0.2856	0.6872	0.3730	0.0894	0.1608	1.0000	0.1977	0.5483
miR-149	0.5481	0.0979	0.6087	1.0000	0.3564	0.7399	0.4783	0.0922	0.8103	1.0000	0.2975	0.6591
miR-152	0.4642	0.0930	0.7035	1.0000	0.2818	0.6466	0.4233	0.0914	0.3972	1.0000	0.2443	0.6024
miR-15a	0.7481	0.0782	0.0083	0.1751	0.5949	0.9014	0.6819	0.0845	0.0445	0.9353	0.5163	0.8475
miR-181c	0.4617	0.0970	0.6841	1.0000	0.2716	0.6518	0.4416	0.0921	0.5193	1.0000	0.2611	0.6222
miR-184	0.3654	0.0872	0.1525	1.0000	0.1946	0.5363	0.3341	0.0849	0.0669	1.0000	0.1678	0.5004
miR-191	0.5457	0.0980	0.6272	1.0000	0.3536	0.7377	0.4394	0.0921	0.5031	1.0000	0.2588	0.6199
miR-204	0.6247	0.0924	0.1850	1.0000	0.4435	0.8059	0.4600	0.0941	0.6583	1.0000	0.2756	0.6443
miR-208b	0.4272	0.0940	0.4387	1.0000	0.2430	0.6113	0.4142	0.0889	0.3433	1.0000	0.2399	0.5885
miR-211	0.6642	0.0875	0.0809	1.0000	0.4927	0.8357	0.5469	0.0899	0.6044	1.0000	0.3707	0.7231
miR-328	0.3432	0.0911	0.0955	1.0000	0.1647	0.5217	0.4050	0.0891	0.2943	1.0000	0.2304	0.5796
miR-330-3p	0.4123	0.0971	0.3514	1.0000	0.2220	0.6027	0.3616	0.0869	0.1263	1.0000	0.1912	0.5319
miR-331-3p	0.5679	0.1002	0.4704	1.0000	0.3716	0.7642	0.5378	0.0909	0.6767	1.0000	0.3595	0.7160
miR-342-3p	0.5679	0.0966	0.4704	1.0000	0.3787	0.7571	0.4485	0.0921	0.5696	1.0000	0.2681	0.6289
miR-346	0.6025	0.0915	0.2760	1.0000	0.4232	0.7817	0.4622	0.0925	0.6767	1.0000	0.2809	0.6436
miR-370	0.4765	0.0964	0.8031	1.0000	0.2876	0.6655	0.5286	0.0905	0.7521	1.0000	0.3513	0.7059
miR-501-5p	0.4889	0.1022	0.9060	1.0000	0.2885	0.6892	0.5172	0.0923	0.8497	1.0000	0.3362	0.6981
miR-98	0.6765	0.0816	0.0605	1.0000	0.5166	0.8365	0.5652	0.0908	0.4714	1.0000	0.3873	0.7431

Supplemental Table 4. Receiver operating characteristic (ROC). ROC results for phase II qRT-PCR of 21 miRNA selected for validation. AD (n=21) and control (n=21) subjects qRT-PCR 41-CT values were utilized for this analysis.

Area under curve (AUC: c-statistic) for each miRNA 41- CT values in hippocampus (Panel A) or cerebellum (Panel B) for the categorical variables; plaque score or Braak stage.

Area under curve (AUC: c-statistic) for each miRNA Δ CT values in hippocampus (Panel C) or cerebellum (Panel D) for the categorical variables; plaque score or Braak stage.

Significant p-values are in **bold** and are without correction for multiple comparisons. Adjusted p-values take into account comparisons across 21 miRNA using a Bonferroni method. P-values are adjusted (multiplied) according to the number of comparisons and $p < 0.002$ ($=0.05 / 21$) is the unadjusted p-value that indicates significance. All adjusted p-values > 1.000 , are set at 1.0000.

Supplemental Table 5.

A	Hippocampus						Hippocampus					
	Plaque Score Continuous Independent Variable						Braak Stage Continuous Independent Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman ΔCT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman ΔCT	Adjusted
MiRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-126	0.7855	1.0000	0.1146	1.0000	0.3139	1.0000	0.0718	1.0000	0.0124	0.2599	0.2345	1.0000
miR-132	0.4341	1.0000	0.0585	1.0000	0.9826	1.0000	0.0080	0.1680	0.0013	0.0279	0.6198	1.0000
miR-138	0.6532	1.0000	0.0706	1.0000	0.8689	1.0000	0.0332	0.6972	0.0082	0.1730	0.8269	1.0000
miR-139-5p	0.1832	1.0000	0.3001	1.0000	0.8455	1.0000	0.0516	1.0000	0.0802	1.0000	0.8688	1.0000
miR-149	0.3946	1.0000	0.1582	1.0000	0.4636	1.0000	0.1143	1.0000	0.0554	1.0000	0.1692	1.0000
miR-152	0.5680	1.0000	0.3263	1.0000	0.2523	1.0000	0.6355	1.0000	0.2786	1.0000	0.0601	1.0000
miR-15a	0.0019	0.0399	0.0028	0.0597	0.0000	0.0009	0.0431	0.9051	0.0660	1.0000	0.0010	0.0204
miR-181c	0.4103	1.0000	0.9792	1.0000	0.0658	1.0000	0.6857	1.0000	0.4927	1.0000	0.0683	1.0000
miR-184	0.9136	1.0000	0.6950	1.0000	0.5524	1.0000	0.0251	0.5271	0.0210	0.4409	0.1932	1.0000
miR-191	0.9253	1.0000	0.2600	1.0000	0.1233	1.0000	0.1941	1.0000	0.0574	1.0000	0.0760	1.0000
miR-204	0.4704	1.0000	0.8132	1.0000	0.4862	1.0000	0.3435	1.0000	0.7139	1.0000	0.1868	1.0000
miR-208b	0.7518	1.0000	0.5178	1.0000	0.0706	1.0000	0.9834	1.0000	0.4516	1.0000	0.0057	0.1204
miR-211	0.6189	1.0000	0.5733	1.0000	0.9395	1.0000	0.3530	1.0000	0.7622	1.0000	0.5058	1.0000
miR-328	0.2808	1.0000	0.0412	0.8660	0.6813	1.0000	0.0297	0.6237	0.0063	0.1313	0.3817	1.0000
miR-330-3p	0.7985	1.0000	0.4135	1.0000	0.1421	1.0000	0.2408	1.0000	0.1854	1.0000	0.0385	0.8080
miR-331-3p	0.4632	1.0000	0.1316	1.0000	0.2254	1.0000	0.1818	1.0000	0.0079	0.1660	0.2295	1.0000
miR-342-3p	0.9910	1.0000	0.6203	1.0000	0.0506	1.0000	0.3755	1.0000	0.2051	1.0000	0.0091	0.1918
miR-346	0.3117	1.0000	0.9070	1.0000	0.1065	1.0000	0.7335	1.0000	0.6812	1.0000	0.0459	0.9633
miR-370	0.1408	1.0000	0.0394	0.8283	0.4970	1.0000	0.0016	0.0336	0.0021	0.0443	0.1994	1.0000
miR-501-5p	0.9108	1.0000	0.9771	1.0000	0.5613	1.0000	0.5613	1.0000	0.4368	1.0000	0.8184	1.0000
miR-98	0.6214	1.0000	0.3507	1.0000	0.7371	1.0000	0.5212	1.0000	0.2819	1.0000	0.7746	1.0000

B	Cerebellum						Cerebellum					
	Plaque Score Continuous Independent Variable						Braak Stage Continuous Independent Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman ΔCT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman ΔCT	Adjusted
MiRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-126	0.5811	1.0000	0.8718	1.0000	0.3202	1.0000	0.6046	1.0000	0.9419	1.0000	0.6632	1.0000
miR-132	0.6870	1.0000	0.4099	1.0000	0.8009	1.0000	0.1835	1.0000	0.1772	1.0000	0.7574	1.0000
miR-138	0.6818	1.0000	0.6653	1.0000	0.0091	0.1919	0.6929	1.0000	0.8668	1.0000	0.0499	1.0000
miR-139-5p	0.4707	1.0000	0.6312	1.0000	0.6568	1.0000	0.4091	1.0000	0.3849	1.0000	0.9569	1.0000
miR-149	0.4970	1.0000	0.5602	1.0000	0.6031	1.0000	0.2712	1.0000	0.3773	1.0000	0.4785	1.0000
miR-152	0.2902	1.0000	0.5403	1.0000	0.0638	1.0000	0.7220	1.0000	0.8413	1.0000	0.3119	1.0000
miR-15a	0.7261	1.0000	0.0275	0.5776	0.1677	1.0000	0.0708	1.0000	0.0204	0.4288	0.1110	1.0000
miR-181c	0.7463	1.0000	0.8915	1.0000	0.1991	1.0000	0.5712	1.0000	0.5370	1.0000	0.4256	1.0000
miR-184	0.9346	1.0000	0.9907	1.0000	0.0468	0.9835	0.7254	1.0000	0.6658	1.0000	0.0929	1.0000
miR-191	0.8218	1.0000	0.5374	1.0000	0.2869	1.0000	0.6131	1.0000	0.5136	1.0000	0.3309	1.0000
miR-204	0.2713	1.0000	0.2722	1.0000	0.4439	1.0000	0.1896	1.0000	0.3515	1.0000	0.6727	1.0000
miR-208b	0.8770	1.0000	0.8696	1.0000	0.2427	1.0000	0.6022	1.0000	0.4682	1.0000	0.0989	1.0000
miR-211	0.1271	1.0000	0.0386	0.8111	0.0737	1.0000	0.2006	1.0000	0.0204	0.4288	0.1025	1.0000
miR-328	0.7513	1.0000	0.7540	1.0000	0.0559	1.0000	0.7451	1.0000	0.7158	1.0000	0.0736	1.0000
miR-330-3p	0.7960	1.0000	0.9079	1.0000	0.0297	0.6247	0.5251	1.0000	0.4877	1.0000	0.1561	1.0000
miR-331-3p	0.5659	1.0000	0.1506	1.0000	0.7025	1.0000	0.1806	1.0000	0.0618	1.0000	0.7698	1.0000
miR-342-3p	0.9759	1.0000	0.7653	1.0000	0.5346	1.0000	0.5710	1.0000	0.6536	1.0000	0.3782	1.0000
miR-346	0.1544	1.0000	0.1117	1.0000	0.2670	1.0000	0.5294	1.0000	0.4641	1.0000	0.7863	1.0000
miR-370	0.4605	1.0000	0.0438	0.9201	0.7625	1.0000	0.2849	1.0000	0.0379	0.7969	0.5821	1.0000
miR-501-5p	0.6604	1.0000	0.7816	1.0000	0.7536	1.0000	0.5969	1.0000	0.4664	1.0000	0.9327	1.0000
miR-98	0.6260	1.0000	0.3976	1.0000	0.2503	1.0000	0.5830	1.0000	0.2413	1.0000	0.2459	1.0000

Supplemental Table 5. Linear regression and Spearman correlation results summary.
Spearman correlation results for phase II qRT-PCR results of 21 miRNA chosen for validation.
AD (n=21) and control (n=21) subjects qRT-PCR 41-CT values and Δ CT values were utilized for this analysis.

Linear regression and spearman correlation p-values for each miRNA 41-CT and Δ CT values for hippocampus (Panel A) or cerebellum (Panel B) for the continuous variables; plaque score or Braak stage.

Significant p-values are in **bold** and are without correction for multiple comparisons. Adjusted p-values take into account multiple comparisons across 21 miRNA using a Bonferroni method where p-values are adjusted (multiplied) according to the number of comparisons and $p < 0.002 (=0.05 / 21)$ is the unadjusted p-value that indicates significance. All adjusted p-values > 1.000 . are set at 1.0000.

Supplemental Table 6.

ID	Sample Variables									
	Tissue	Diagnosis	DiseaseStatus	TapAge	Onset Age	Gender	PMI	PlaqueScore	BRAAKStage	APOEe4
552	CB	AD	AD		53	M	4.00	FREQ	VI	e4+
581	CB	AD	AD		71	M	8.00	FREQ	VI	e4+
627	CB	AD	AD		69	M	3.45	FREQ	V	e4+
510	CB	CNTL	CNTRL		.	F	6.00	ABSENT	III	e4-
537	CB	CNTL	CNTRL		.	F	3.30	SPARSE	III	e4-
565	CB	CNTL	CNTRL		.	F	5.30	SPARSE	III	e4+
508	CB	FTD	Other		60	M	9.30	ABSENT	0	e4-
661	CB	AD-LBV	Other		53	M	4.30	FREQ	IV	e4-
748	CB	PDD	Other		85	M	3.15	SPARSE	II	e4-
366	CB	FTD	Other		52	M	3.00	SPARSE	II	e4+
685	CB	AD-LBV	Other		64	F	4.10	FREQ	V	e4+
693	CB	DLB	Other		64	M	3.00	FREQ	III	e4+
552	CSF	AD	AD	59	53	M	4.00	FREQ	VI	e4+
581	CSF	AD	AD	85	71	M	8.00	FREQ	VI	e4+
627	CSF	AD	AD	72	69	M	3.45	FREQ	V	e4+
510	CSF	CNTL	CNTRL	77	.	F	6.00	ABSENT	III	e4-
537	CSF	CNTL	CNTRL	102	.	F	3.30	SPARSE	III	e4-
565	CSF	CNTL	CNTRL	79	.	F	5.30	SPARSE	III	e4+
508	CSF	FTD	Other	67	60	M	9.30	ABSENT	0	e4-
661	CSF	AD-LBV	Other	60	53	M	4.30	FREQ	IV	e4-
748	CSF	PDD	Other	90	85	M	3.15	SPARSE	II	e4-
366	CSF	FTD	Other	56	52	M	3.00	SPARSE	II	e4+
685	CSF	AD-LBV	Other	68	64	F	4.10	FREQ	V	e4+
693	CSF	DLB	Other	74	64	M	3.00	FREQ	III	e4+
552	HP	AD	AD		53	M	4.00	FREQ	VI	e4+
581	HP	AD	AD		71	M	8.00	FREQ	VI	e4+
627	HP	AD	AD		69	M	3.45	FREQ	V	e4+
510	HP	CNTL	CNTRL		.	F	6.00	ABSENT	III	e4-
537	HP	CNTL	CNTRL		.	F	3.30	SPARSE	III	e4-
565	HP	CNTL	CNTRL		.	F	5.30	SPARSE	III	e4+
508	HP	FTD	Other		60	M	9.30	ABSENT	0	e4-
661	HP	AD-LBV	Other		53	M	4.30	FREQ	IV	e4-
748	HP	PDD	Other		85	M	3.15	SPARSE	II	e4-
366	HP	FTD	Other		52	M	3.00	SPARSE	II	e4+
685	HP	AD-LBV	Other		64	F	4.10	FREQ	V	e4+
693	HP	DLB	Other		64	M	3.00	FREQ	III	e4+
552	PLASMA	AD	AD	59	53	M	4.00	FREQ	VI	e4+
581	PLASMA	AD	AD	85	71	M	8.00	FREQ	VI	e4+
627	PLASMA	AD	AD	72	69	M	3.45	FREQ	V	e4+
510	PLASMA	CNTL	CNTRL	77	.	F	6.00	ABSENT	III	e4-
537	PLASMA	CNTL	CNTRL	102	.	F	3.30	SPARSE	III	e4-
565	PLASMA	CNTL	CNTRL	79	.	F	5.30	SPARSE	III	e4+
508	PLASMA	FTD	Other	67	60	M	9.30	ABSENT	0	e4-
661	PLASMA	AD-LBV	Other	60	53	M	4.30	FREQ	IV	e4-

Supplemental Table 6.

ID	Sample Variables									
	Tissue	Diagnosis	DiseaseStatus	TapAge	Onset Age	Gender	PMI	PlaqueScore	BRAAKStage	APOEe4
748	PLASMA	PDD	Other	90	85	M	3.15	SPARSE	II	e4-
366	PLASMA	FTD	Other	56	52	M	3.00	SPARSE	II	e4+
685	PLASMA	AD-LBV	Other	68	64	F	4.10	FREQ	V	e4+
693	PLASMA	DLB	Other	74	64	M	3.00	FREQ	III	e4+

Supplemental Table 6.

ID	Raw CT Replicate Means					41-CT Replicate Means				
	miR-370MeanCT	miR-328MeanCT	miR-138MeanCT	miR-132MeanCT	miR-15aMeanCT	miR-370 41-CT	miR-328 41-CT	miR-138 41-CT	miR-132 41-CT	miR-15a 41-CT
552	21.20	21.17	22.97	24.72	26.38	19.80	19.83	18.03	16.28	14.62
581	21.24	21.20	22.39	22.46	25.89	19.76	19.80	18.61	18.54	15.11
627	22.24	20.92	22.37	24.42	26.92	18.76	20.08	18.63	16.58	14.08
510	20.94	20.85	22.81	22.83	28.22	20.06	20.15	18.19	18.17	12.78
537	20.66	20.84	23.07	23.28	28.18	20.34	20.16	17.93	17.72	12.82
565	21.39	20.91	22.43	23.87	25.68	19.61	20.09	18.57	17.13	15.32
508	21.10	19.99	22.37	23.73	28.15	19.90	21.01	18.63	17.27	12.85
661	21.58	21.91	23.45	26.22	27.94	19.42	19.09	17.55	14.78	13.06
748	22.35	20.69	22.79	25.25	22.45	18.65	20.31	18.21	15.75	18.55
366	21.00	20.71	23.56	22.18	24.09	20.00	20.29	17.44	18.82	16.91
685	22.64	20.69	23.72	24.77	26.88	18.36	20.31	17.28	16.23	14.12
693	22.01	20.99	22.98	24.79	28.33	18.99	20.01	18.02	16.21	12.67
552	40.00	25.28	40.00	20.37	30.18	1.00	15.72	1.00	20.63	10.82
581	40.00	25.71	40.00	27.64	34.06	1.00	15.29	1.00	13.36	6.94
627	40.00	35.68	40.00	18.92	29.84	1.00	5.32	1.00	22.08	11.16
510	40.00	30.07	40.00	33.89	32.52	1.00	10.93	1.00	7.11	8.48
537	40.00	33.36	40.00	22.95	33.34	1.00	7.64	1.00	18.05	7.66
565	40.00	27.54	40.00	26.13	31.22	1.00	13.46	1.00	14.87	9.78
508	40.00	33.71	40.00	27.14	33.31	1.00	7.29	1.00	13.86	7.69
661	40.00	27.83	40.00	21.22	32.62	1.00	13.17	1.00	19.78	8.38
748	40.00	28.19	40.00	20.78	31.43	1.00	12.81	1.00	20.22	9.57
366	40.00	26.35	40.00	40.00	32.05	1.00	14.65	1.00	1.00	8.95
685	40.00	30.80	40.00	33.33	33.08	1.00	10.20	1.00	7.67	7.92
693	40.00	25.11	40.00	20.73	30.18	1.00	15.89	1.00	20.27	10.82
552	32.60	24.59	28.27	32.78	26.00	8.40	16.41	12.73	8.22	15.00
581	22.08	21.15	21.73	23.03	26.22	18.92	19.85	19.27	17.97	14.78
627	21.44	21.22	20.59	22.41	24.43	19.56	19.78	20.41	18.59	16.57
510	20.84	21.40	22.42	22.61	28.30	20.16	19.60	18.58	18.39	12.70
537	20.16	20.35	20.77	22.97	26.80	20.84	20.65	20.23	18.03	14.20
565	20.78	20.13	20.95	22.75	24.12	20.22	20.87	20.05	18.25	16.88
508	20.43	21.83	21.02	22.61	30.09	20.57	19.17	19.98	18.39	10.91
661	20.88	19.11	20.25	22.15	27.60	20.12	21.89	20.75	18.85	13.40
748	22.18	21.62	22.43	23.63	26.03	18.82	19.38	18.57	17.37	14.97
366	20.57	21.34	21.56	21.95	31.25	20.43	19.66	19.44	19.05	9.75
685	20.97	21.76	21.36	23.38	27.73	20.03	19.24	19.64	17.62	13.27
693	20.59	20.84	20.79	23.53	24.53	20.41	20.16	20.21	17.47	16.47
552	40.00	27.13	40.00	19.73	29.52	1.00	13.87	1.00	21.27	11.48
581	40.00	24.74	40.00	25.87	29.24	1.00	16.26	1.00	15.13	11.76
627	40.00	32.38	40.00	19.03	29.54	1.00	8.62	1.00	21.97	11.46
510	40.00	26.65	40.00	19.37	32.59	1.00	14.35	1.00	21.63	8.41
537	40.00	26.66	40.00	19.94	28.50	1.00	14.34	1.00	21.06	12.50
565	40.00	27.72	40.00	33.15	30.88	1.00	13.28	1.00	7.85	10.12
508	40.00	26.76	40.00	14.96	31.92	1.00	14.24	1.00	26.04	9.08
661	40.00	30.31	40.00	21.93	29.87	1.00	10.69	1.00	19.07	11.13

Supplemental Table 6.

ID	Raw CT Replicate Means					41-CT Replicate Means				
	miR-370MeanCT	miR-328MeanCT	miR-138MeanCT	miR-132MeanCT	miR-15aMeanCT	miR-370_41-CT	miR-328_41-CT	miR-138_41-CT	miR-132_41-CT	miR-15a_41-CT
748	40.00	27.35	40.00	19.61	32.04	1.00	13.65	1.00	21.39	8.96
366	40.00	27.03	40.00	26.88	31.62	1.00	13.97	1.00	14.12	9.38
685	40.00	26.05	40.00	27.04	31.02	1.00	14.95	1.00	13.96	9.98
693	40.00	36.66	40.00	17.55	29.50	1.00	4.34	1.00	23.45	11.50

Supplemental Table 6.

ID	$\Delta\text{CT} = (\text{Mean Raw CT miRNA}) - (\text{Mean Raw CT mean miR-132})$				
	miR-370 ΔCT	miR-328 ΔCT	miR-138 ΔCT	miR-132 ΔCT	miR-15a ΔCT
552	-3.52	-3.55	-1.75	0.00	1.66
581	-1.22	-1.26	-0.07	0.00	3.43
627	-2.18	-3.50	-2.05	0.00	2.50
510	-1.89	-1.98	-0.02	0.00	5.39
537	-2.61	-2.44	-0.20	0.00	4.90
565	-2.48	-2.96	-1.44	0.00	1.81
508	-2.63	-3.74	-1.36	0.00	4.42
661	-4.64	-4.31	-2.78	0.00	1.72
748	-2.90	-4.56	-2.46	0.00	-2.80
366	-1.18	-1.48	1.38	0.00	1.91
685	-2.13	-4.08	-1.04	0.00	2.11
693	-2.78	-3.79	-1.80	0.00	3.55
552	19.63	4.91	19.63	0.00	9.81
581	12.36	-1.93	12.36	0.00	6.42
627	21.08	16.77	21.08	0.00	10.92
510	6.11	-3.82	6.11	0.00	-1.36
537	17.05	10.41	17.05	0.00	10.39
565	13.87	1.40	13.87	0.00	5.09
508	12.86	6.56	12.86	0.00	6.17
661	18.78	6.60	18.78	0.00	11.40
748	19.22	7.42	19.22	0.00	10.66
366	0.00	-13.65	0.00	0.00	-7.95
685	6.67	-2.53	6.67	0.00	-0.25
693	19.27	4.38	19.27	0.00	9.44
552	-0.18	-8.19	-4.51	0.00	-6.79
581	-0.94	-1.88	-1.30	0.00	3.19
627	-0.97	-1.19	-1.82	0.00	2.02
510	-1.77	-1.21	-0.19	0.00	5.69
537	-2.81	-2.63	-2.20	0.00	3.83
565	-1.98	-2.62	-1.81	0.00	1.36
508	-2.18	-0.78	-1.59	0.00	7.49
661	-1.27	-3.04	-1.90	0.00	5.45
748	-1.45	-2.00	-1.20	0.00	2.40
366	-1.38	-0.61	-0.40	0.00	9.30
685	-2.40	-1.61	-2.02	0.00	4.35
693	-2.93	-2.68	-2.74	0.00	1.00
552	20.27	7.40	20.27	0.00	9.79
581	14.13	-1.13	14.13	0.00	3.36
627	20.97	13.36	20.97	0.00	10.52
510	20.63	7.28	20.63	0.00	13.23
537	20.06	6.72	20.06	0.00	8.56
565	6.85	-5.43	6.85	0.00	-2.26
508	25.04	11.80	25.04	0.00	16.96
661	18.07	8.39	18.07	0.00	7.94

Supplemental Table 6. Phase III independent sample population qRT-PCR results for AD (n=3), control (n=3) and other neurodegenerative disease (n=6) cerebellum (CB), hippocampus (HP), cerebrospinal fluid (CSF) and plasma.

Five miRNA found positive in phase II were selected for further validation in this phase III independent replication sample. Q RT-PCR assay replicate mean results are shown here for CT and 41-CT values. ΔCT values are CT values normalized to miR-132.

Supplemental Table 6.

ID	$\Delta CT = (\text{Mean Raw CT miRNA}) - (\text{Mean Raw CT mean miR-132})$				
	miR-370 ΔCT	miR-328 ΔCT	miR-138 ΔCT	miR-132 ΔCT	miR-15a ΔCT
748	20.39	7.74	20.39	0.00	12.43
366	13.12	0.15	13.12	0.00	4.75
685	12.96	-0.99	12.96	0.00	3.97
693	22.45	19.11	22.45	0.00	11.95

Supplemental Table 7.

A	Hippocampus						Hippocampus					
	Plaque Score Continuous Variable						Braak Stage Continuous Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted
MIRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-132	0.3468	1.7339	0.3737	1.8687			0.1413	0.7067	0.3546	1.7728		
miR-138	0.7120	3.5599	0.4893	2.4463	0.6209	1.0000	0.2190	1.0950	0.9560	4.7799	0.1308	0.5233
miR-15a	0.0928	0.4641	0.1417	0.7087	0.5233	1.0000	0.1199	0.5996	0.2100	1.0500	0.1210	0.4838
miR-328	0.9268	4.6342	0.5852	2.9259	0.5984	1.0000	0.4508	2.2538	0.8771	4.3856	0.1923	0.7691
miR-370	0.3034	1.5170	0.0735	0.3674	0.9276	1.0000	0.0916	0.4582	0.0270	0.1350	0.0890	0.3559

B	Cerebellum						Cerebellum					
	Plaque Score Continuous Variable						Braak Stage Continuous Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted
MIRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-132	0.1426	0.7131	0.1343	0.6714			0.6690	1.0000	0.6981	1.0000		
miR-138	0.4131	1.0000	0.4296	1.0000	0.9063	1.0000	0.7882	1.0000	0.8164	1.0000	0.7398	1.0000
miR-15a	0.9398	1.0000	0.8876	1.0000	0.1271	0.5084	0.8770	1.0000	0.9736	1.0000	0.6330	1.0000
miR-328	0.0250	0.1248	0.0167	0.0837	0.8690	1.0000	0.0285	0.1423	0.0094	0.0468	0.7147	1.0000
miR-370	0.0931	0.4656	0.0480	0.2399	0.9624	1.0000	0.4797	1.0000	0.4188	1.0000	0.9472	1.0000

C	Cerebrospinal Fluid						Cerebrospinal Fluid					
	Plaque Score Continuous Variable						Braak Stage Continuous Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted
MIRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-132	0.1881	0.5644	0.1135	0.3404			0.4865	1.0000	0.3733	1.0000		
miR-138												
miR-15a	0.3147	0.9442	0.4442	1.0000	0.7410	1.0000	0.6405	1.0000	0.8946	1.0000	0.4121	0.8242
miR-328	0.3056	0.9168	0.2414	0.7242	0.6877	1.0000	0.4565	1.0000	0.4811	1.0000	0.9736	1.0000
miR-370												

D	Plasma						Plasma					
	Plaque Score Continuous Variable						Braak Stage Continuous Variable					
	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted	Linear Reg. 41-CT	Adjusted	Spearman 41-CT	Adjusted	Spearman Δ CT	Adjusted
MIRNA Name	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value	p-value
miR-132	0.5473	1.0000	0.5687	1.0000			0.3985	1.0000	0.3860	1.0000		
miR-138												
miR-15a*	0.0118	0.0353	0.0294	0.0883	0.1008	0.2017	0.0446	0.1337	0.0517	0.1550	0.1377	0.2754
miR-328	0.2247	0.6740	0.4012	1.0000	0.2014	0.4027	0.9408	1.0000	0.6981	1.0000	0.5549	1.0000
miR-370												

* Linear regression for Δ CT; p-value, 0.0350.

Supplemental Table 7.

Supplemental Table 7. Linear regression and Spearman correlation results summary. Spearman correlation results for phase III qRT-PCR results of 5 miRNA chosen for validation. AD (n=3), control (n=3) and other neurodegenerative disease (n=6) subjects qRT-PCR 41-CT Δ CT values were utilized for this analysis.

Linear regression and/or spearman correlation p-values for miRNA 41-CT and Δ CT values for hippocampus (Panel A), cerebellum (Panel B), cerebrospinal fluid (Panel C) and plasma (Panel D) for the continuous variables; plaque score or Braak stage.

Significant p-values are in bold and are without correction for multiple comparisons. Adjusted p-values take into account multiple comparisons across 5 or 3 miRNA using a Bonferroni method where p-values are adjusted (multiplied) according to the number of comparisons and $p < 0.0100$ ($= 0.05 / 5$) or $p < 0.0167$ ($= 0.05 / 3$) is the unadjusted p-value that indicates significance. All adjusted p-values > 1.0000 . are set at 1.0000.

Supplemental Table 8

Phase I		Raw CT				41-CT				Relative Quantification Ratio = (41-CT) / (41-CT)			
MIRNA	Cntrl CB	Cntrl HP	AD CB	AD HP	Cntrl CB	Cntrl HP	AD CB	AD HP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB	
miR-370	28.00	25.49	26.99	31.98	15.00	15.01	14.01	9.02	0.60	0.93	0.64	1.00	
miR-328	22.97	22.99	23.99	30.96	18.03	18.01	17.01	10.04	0.56	0.84	0.59	1.00	
miR-15a	28.97	33.04	29.01	26.97	12.03	7.96	11.99	14.03	1.76	1.00	1.17	0.66	
miR-138	24.97	21.94	24.97	24.99	16.03	19.06	16.03	16.01	0.84	1.00	1.00	1.19	
miR-132	24.98	22.95	24.95	24.98	16.02	16.05	16.04	16.04	0.89	1.00	1.00	1.13	

Phase II		Mean Raw CT				Mean 41-CT				Relative Quantification Ratio = (Mean41-CT) / (Mean41-CT)			
MIRNA	Cntrl CB	Cntrl HP	AD CB	AD HP	Cntrl CB	Cntrl HP	AD CB	AD HP	ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB	
miR-370	22.63	21.54	22.89	22.11	18.37	19.46	18.11	18.89	0.970	0.986	1.043	1.060	
miR-328	20.26	20.00	20.36	20.50	20.74	21.00	20.64	20.50	0.976	0.995	0.993	1.012	
miR-15a	23.51	28.21	24.48	26.65	17.49	12.79	16.52	14.35	1.123	0.945	0.869	0.731	
miR-138	21.17	19.23	21.05	20.02	19.83	21.77	19.95	20.98	0.964	1.006	1.052	1.098	
miR-132	20.69	19.49	21.20	20.49	20.31	21.51	19.80	20.51	0.954	0.975	1.036	1.059	

Phase III		Raw CT Replicate Means										
MIRNA	Cntrl CB	Cntrl HP	AD CB	AD HP	other CB	other HP	Cntrl CSF	AD CSF	other CSF	Cntrl Plasma	AD Plasma	other Plasma
miR-370	21.00	20.59	21.56	25.38	21.78	20.94						
miR-328	20.87	20.63	21.10	22.32	20.83	21.08	30.32	28.89	28.66	27.01	28.09	29.03
miR-15a	27.36	26.41	26.40	25.55	26.31	27.87	32.36	31.36	32.11	30.66	29.43	30.99
miR-138	22.77	21.38	22.58	23.53	23.15	21.23						
miR-132	23.33	22.78	23.87	26.07	24.49	22.87	27.66	22.31	27.20	24.15	21.54	21.33

$\Delta CT = (\text{Raw CT miRNA}) - (\text{Raw CT mean miR-132})$				$\Delta\Delta CT = \Delta CT_{\text{brain region 1}} - \Delta CT_{\text{brain region 2}}$			
$\Delta CT_{\text{Ctrl CB}}$	$\Delta CT_{\text{Ctrl HP}}$	$\Delta CT_{\text{AD CB}}$	$\Delta CT_{\text{AD HP}}$	$\Delta\Delta CT_{\text{ADHP-CtrlHP}}$	$\Delta\Delta CT_{\text{ADCB-CtrlCB}}$	$\Delta\Delta CT_{\text{ADHP-ADCB}}$	$\Delta\Delta CT_{\text{CtrlHP-CtrlCB}}$
1.02	3.03	2.04	7.01	3.98	1.02	4.98	2.01
-2.01	0.04	-0.96	6.00	5.96	1.04	6.97	2.04
3.99	10.09	4.05	2.01	-8.08	0.06	-2.05	6.09
-0.01	-1.01	0.02	0.03	1.04	0.03	0.01	-1.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

$\Delta CT = (\text{Mean Raw CT miRNA}) - (\text{Mean Raw CT mean miR-132})$				$\Delta\Delta CT = \text{Mean } \Delta CT_{\text{brain region 1}} - \text{Mean } \Delta CT_{\text{brain region 2}}$			
Mean $\Delta CT_{\text{Ctrl CB}}$	Mean $\Delta CT_{\text{Ctrl HP}}$	Mean $\Delta CT_{\text{AD CB}}$	Mean $\Delta CT_{\text{AD HP}}$	$\Delta\Delta CT_{\text{ADHP-CtrlHP}}$	$\Delta\Delta CT_{\text{ADCB-CtrlCB}}$	$\Delta\Delta CT_{\text{ADHP-ADCB}}$	$\Delta\Delta CT_{\text{CtrlHP-CtrlCB}}$
1.94	2.05	1.69	1.63	-0.42	-0.25	-0.08	0.10
-4.43	0.51	-0.85	0.02	-0.50	-0.42	0.80	0.94
2.82	8.72	3.27	6.16	-2.56	0.45	2.89	5.90
0.48	-0.28	-0.16	-0.47	-0.21	-0.64	-0.31	-0.74
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

						41-CT Replicate Means	
Ctrl CB	Ctrl HP	AD CB	AD HP	other CB	other HP	Ctrl CSF	AD CSF
20.00	20.41	19.44	15.62	19.22	20.06		
20.13	20.37	19.90	18.68	20.17	19.92	10.68	12.11
13.64	14.59	14.60	15.45	14.69	13.13	8.64	9.64
18.23	19.62	18.42	17.47	17.85	19.77		
17.67	18.22	17.13	14.93	16.51	18.13	13.34	18.69

Supplemental Table 8

Relative Quantification $\Delta\text{CT} = 2^{-\Delta\Delta\text{CT}}$			
ADHP-CntrlHP	ADCB-CntrlCB	ADHP-ADCB	CntrlHP-CntrlCB
0.04	0.72	0.01	0.27
0.01	0.71	0.00	0.28
6484.35	1.89	15.50	0.00
0.71	1.95	1.97	5.44
2.00	2.00	2.00	2.00

Relative Quantification $\Delta\text{CT} = 2^{-\Delta\Delta\text{CT}}$			
ADHP-CntrlHP	ADCB-CntrlCB	ADHP-ADCB	CntrlHP-CntrlCB
3.04	2.58	2.13	1.81
3.28	3.04	0.84	0.78
25.96	1.27	0.11	0.01
2.47	3.79	2.74	4.19
2.00	2.00	2.00	2.00

other CSF	Cntrl Plasma	AD Plasma	other Plasma
12.34	13.99	12.91	11.97
8.89	10.34	11.57	10.01
13.80	16.85	19.46	19.67

Supplemental Table 8. Data from phase I - III for 5 miRNA; miR-370, miR-328, miR-138, miR-132 and miR-15a. Data is normalized to miR-132. Raw CT, 41-CT, relative quantification ratios, Δ CT, $\Delta\Delta$ CT, and $2^{-\Delta\Delta$ CT for all phases of the study are shown.

RQ of Raw CT Replicate Means									
ADHP/CntrlHP	ADCB/CntrlCB	ADHP/ADCB	CntrlHP/CntrlCB	ADCSF/CntrlCSF	ADCSF/otherCSF	otherCSF/cntrlCSF	ADPlasma/CntrlPlasma	ADPlasma/otherPlasma	otherPlasma/cntrlPlasma
1.23	1.03	1.18	0.98						
1.08	1.01	1.06	0.99	0.95	1.01	0.95	1.04	0.97	1.07
0.97	0.96	0.97	0.97	0.97	0.98	0.99	0.96	0.95	1.01
1.10	0.99	1.04	0.94						
1.14	1.02	1.09	0.98	0.81	0.82	0.98	0.89	1.01	0.88

Supplemental Table 8

RQ of 41-CT Replicate Means									
ADHP/CntriHP	ADCb/CntriCb	ADHP/ADCb	CntriHP/CntriCb	ADCb/CntriCSF	ADCb/otherCSF	otherCSF/cntriCSF	ADPlasma/CntriPlasma	ADPlasma/otherPlasma	otherPlasma/cntriPlasma
0.77	0.97	0.80	1.02						
0.92	0.99	0.94	1.01	1.13	0.98	1.16	0.92	1.08	0.86
1.06	1.07	1.06	1.07	1.12	1.08	1.03	1.12	1.16	0.97
0.89	1.01	0.95	1.08						
0.82	0.97	0.87	1.03	1.40	1.35	1.03	1.15	0.99	1.17

Supplemental Table 8

ΔCT = (Mean Raw CT miRNA) - (Mean Raw CT mean miR-132)												ΔΔCT = Mean ΔCT _{Brain region 1} - Mean ΔCT _{Brain region 2}									
Cntrl CB	Cntrl HP	AD CB	AD HP	other CB	other HP	Cntrl CSF	AD CSF	other CSF	Cntrl Plasma	AD Plasma	other Plasma	ADHP-CntrlHP	ADCB-CntrlCB	ADHP-ADCB	CntrlHP-CntrlCB	ADCSF-CntrlCSF	ADCSF-otherCSF	otherCSF-cntrlCSF	ADPlasma-CntrlPlasma	ADPlasma-otherPlasma	otherPlasma-cntrlPlasma
-2.33	-2.19	-2.31	-0.70	-2.71	-1.94							1.49	0.02	1.61	0.14						
-2.46	-2.15	-2.77	-3.75	-3.66	-1.79	2.66	6.58	1.46	2.86	6.54	7.70	-1.60	-0.31	-0.98	0.31	3.92	5.12	-1.20	3.69	-1.16	4.84
4.03	3.63	2.53	-0.52	1.82	5.00	4.70	9.05	4.91	6.51	7.89	9.67	-4.15	-1.50	-3.05	-0.41	4.35	4.14	0.21	1.38	-1.78	3.16
-0.55	-1.40	-1.29	-2.54	-1.34	-1.64							-1.14	-0.74	-1.25	-0.85						
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Supplemental Table 8

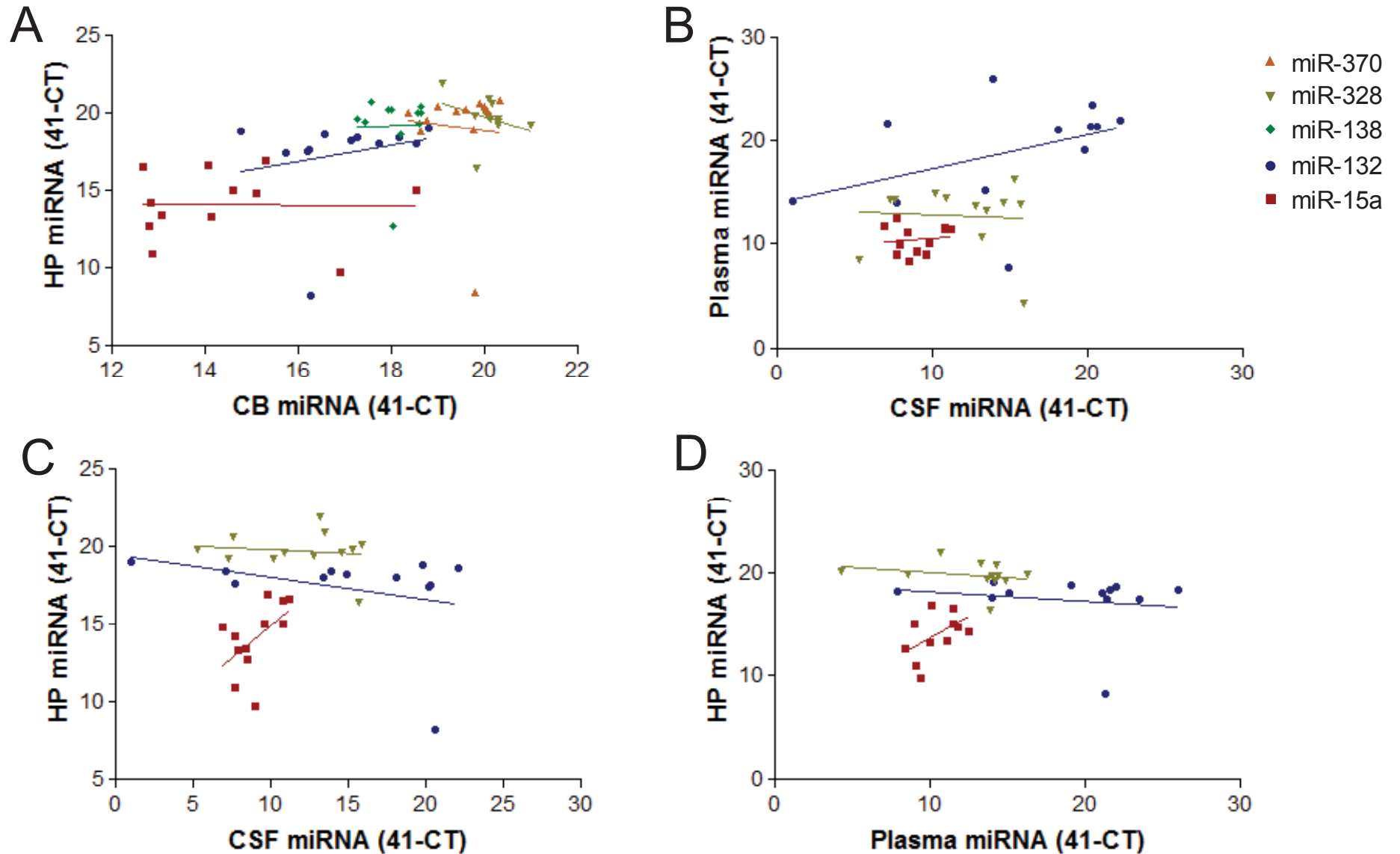
ADHP-CntrlIP	ADCB-CntrlCB	ADHP-ADCB	CntrlIP-CntrlCB	Relative Quantification $\Delta CT = 2^{-\Delta} \cdot \text{Mean } \Delta \Delta CT$					
				ADCSF-CntrlCSF	ADCSF-otherCSF	otherCSF-cntrlCSF	ADPlasma-CntrlPlasma	ADPlasma-otherPlasma	otherPlasma-cntrlPlasma
0.45	1.96	0.40	1.74						
9.91	2.72	5.35	1.47	0.04	0.01	6.65	0.05	6.36	0.02
127.31	9.01	42.40	3.00	0.03	0.03	1.63	0.50	11.83	0.08
6.27	4.17	7.01	4.66						
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

Supplemental Table 9.

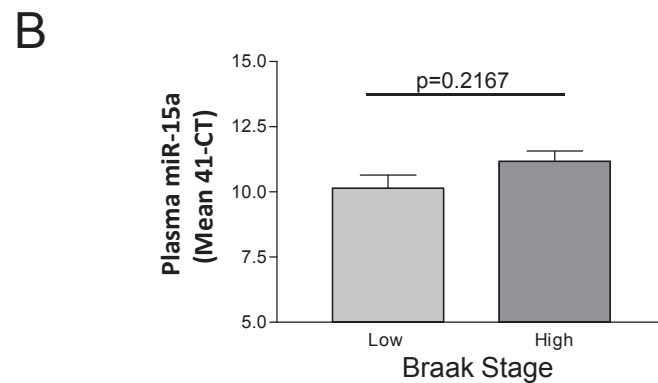
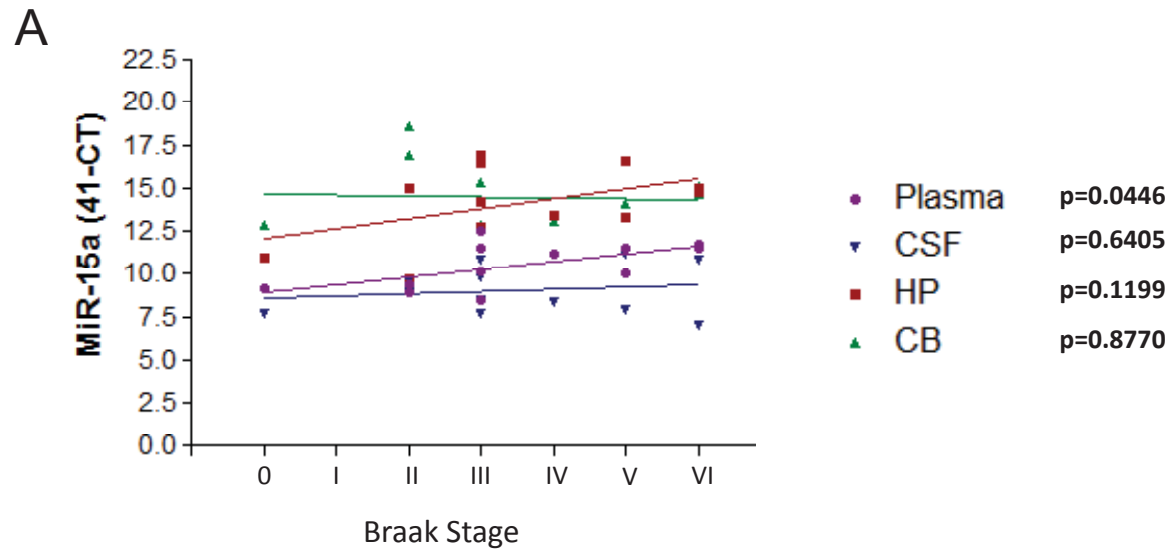
ID	Phase	APOE e4	Age	Gender	Age-at-onset	Diagnosis	PMI	PlaqueScore	BraakStage
1	I&II	e4-	90	M		CTRL	5	ABSENT	II
2	I&II	e4-	86	M		CTRL	2.3	ABSENT	II
3	I&II	e4-	88	F		CTRL	7	ABSENT	I
4	I&II	e4-	77	F		CTRL	5.4	ABSENT	II
5	I&II	e4-	79	F		CTRL	2.3	ABSENT	II
6	I&II	e4-	92	F		CTRL	5.3	ABSENT	II
7	I&II	e4-	94	F		CTRL	6	SPARSE	III
8	I&II	e4-	90	M		CTRL	7	SPARSE	II
9	I&II	e4-	95	F		CTRL	4	SPARSE	I
10	I&II	e4-	93	M		CTRL	4	SPARSE	III
11	I&II	e4-	94	M		CTRL	6	SPARSE	IV
12	I&II	e4-	87	M		CTRL	7.3	SPARSE	II
13	I&II	e4-	82	F		CTRL	3	SPARSE	III
14	I&II	e4-	81	M		CTRL	6	SPARSE	II
15	I&II	e4+	85	M		CTRL	4.3	SPARSE	III
16	I&II	e4+	82	F		CTRL	3.3	SPARSE	III
17	I&II	e4+	86	M		CTRL	6.1	MOD	II
18	I&II	e4-	89	F		CTRL	5.3	MOD	I
19	I&II	e4-	94	M		CTRL	4.5	MOD	I
20	I&II	e4+	79	F		CTRL	3	MOD	II
21	I&II	e4-	84	M		CTRL	2.3	MOD	III
22	I&II	e4-	60	F	55	AD	7.3	MOD	IV
23	I&II	e4-	87	F	83	AD	5	MOD	VI
24	I&II	e4+	78	M	62	AD	4.2	MOD	V
25	I&II	e4-	91	F	89	AD	5.3	MOD	V
26	I&II	e4+	78	F	69	AD	2.2	MOD	V
27	I&II	e4+	87	F	75	AD	5.3	MOD	VI
28	I&II	e4+	82	M	76	AD	8	FREQ	IV
29	I&II	e4+	81	M	68	AD	5	FREQ	V
30	I&II	e4+	78	M	63	AD	7.2	FREQ	VI
31	I&II	e4+	84	F	73	AD	5	FREQ	VI
32	I&II	e4+	93	F	84	AD	6.3	FREQ	VI
33	I&II	e4+	76	M	65	AD	4.3	FREQ	VI
34	I&II	e4+	85	M	80	AD	5	FREQ	VI
35	I&II	e4+	74	M	69	AD	5.2	FREQ	VI
36	I&II	e4+	75	M	71	AD	3.1	FREQ	VI
37	I&II	e4-	85	M	81	AD	3.2	FREQ	V
38	I&II	e4-	89	F	85	AD	2.3	FREQ	VI
39	I&II	e4+	79	F	71	AD	4	FREQ	VI
40	I&II	e4-	87	F	80	AD	6	FREQ	VI
41	I&II	e4-	78	F	71	AD	5.3	FREQ	VI
42	I&II	e4+	83	M	74	AD	8.3	FREQ	VI
43	III	e4-	77	F	.	CNTL	6.00	ABSENT	III
44	III	e4-	102	F	.	CNTL	3.30	SPARSE	III
45	III	e4+	79	F	.	CNTL	5.30	SPARSE	III
46	III	e4+	56	M	52	FTD	3.00	SPARSE	II
47	III	e4-	67	M	60	FTD	9.30	ABSENT	0
48	III	e4-	90	M	85	PDD	3.15	SPARSE	II
49	III	e4-	60	M	53	AD-LBV	4.30	FREQ	IV
50	III	e4+	68	F	64	AD-LBV	4.10	FREQ	V
51	III	e4+	74	M	64	DLB	3.00	FREQ	III
52	III	e4+	59	M	53	AD	4.00	FREQ	VI
53	III	e4+	85	M	71	AD	8.00	FREQ	VI
54	III	e4+	72	M	69	AD	3.45	FREQ	V

Supplemental Table 9. Demographic data for each subject in each phase of the investigation.

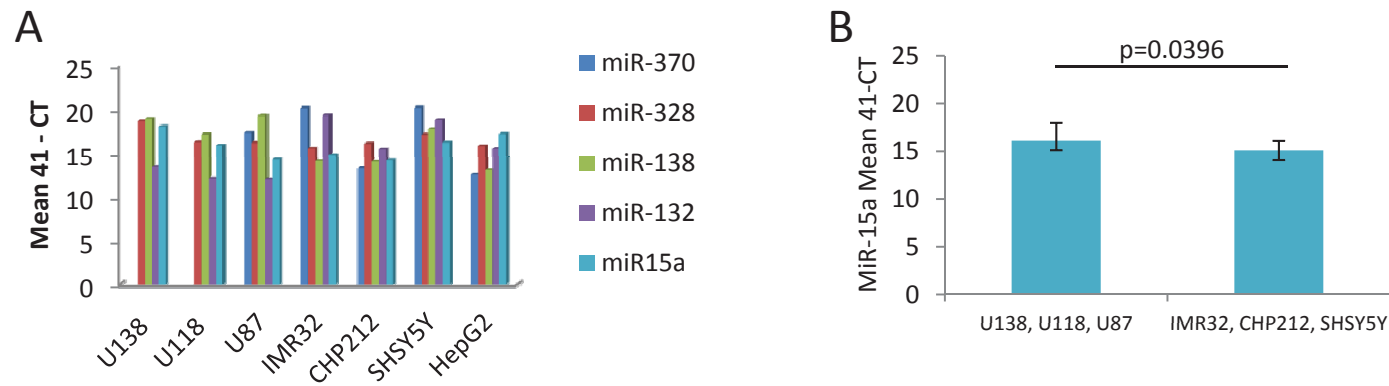
Supplemental Figure 1. Phase III cerebellum (CB), hippocampus (HP), cerebrospinal fluid (CSF) and plasma miRNA levels from controls, AD and other neurodegenerative diseases (n=12). 5 miRNAs shown to have high sensitivity and specificity and high correlation with plaque score or Braak stage in phase II were tested for correlation between tissues in phase III. There is not a significant correlation between CB and HP for any of the miRNAs (Panel A). 3 of the 5 miRNAs are detected in CSF and plasma (Panels B, C and D). There is not a significant correlation between CSF and plasma for any of the expressed miRNAs (Panel B). HP miR-15a levels are marginally correlated with CSF (p-value, 0.0630) and plasma levels (p-value, 0.0865) (Panels C and D, respectively).



Supplemental Figure 2. Phase III (n=12) CB, HP, CSF and plasma miR-15a levels. Plasma miR-15a levels significantly positively correlate with Braak stage (0.0446) (Panel A) (significance does not remain after taking into account multiple comparisons). No significant difference between low and high Braak stage subjects (p-value, 0.2167)(Panel B).



Supplemental Figure 3. Human cell line miRNA expression levels (qRT-PCR: 41-CT values). Expression levels for 5 miRNA in 7 human cell lines: U138 (glioblastoma), U118 (glioblastoma/astrocytoma), U87 (glioblastoma), IMR32 (neuroblastoma), CHP212 (neuroblastoma), SHSY5Y (neuroblastoma), HepG2 (heptocellular carcinoma) (Panel A). MiR-15a neuroblastoma expression level (IMR32, CHP212, SHSY5Y) is lower than glioblastoma/astrocytoma expression (U138, U118, U87) (Panel B; p-value, 0.0396).



Supplemental Figure 4. AD relevant gene target prediction using microRNA.org for phase III miRNA (n=5) . MiR-15a and MiR-370 are predicted to target AD relevant genes. MiR-15a is predicted to target 9 genes and miR-370, 7 genes. MiR-328 and miR-132 are predicted to target 4 and miR-138 5 AD relevant genes

Gene Target Name	MicroRNA Prediction
APP Pathway Genes	
<i>PSEN1</i>	328
<i>PSEN2</i>	370
<i>APP</i>	15a
<i>ADAM10</i>	132, 15a
Tau Phosphorylation Genes	
<i>MAPT</i>	370, 328, 138, 15a
<i>FYN</i>	15a
<i>PPP2R4</i>	370, 328, 15a
GWAS Genes	
<i>APOE</i>	370
<i>BIN1</i>	138, 15a
<i>CLU</i>	370, 15a
<i>ABCA7</i>	-
<i>CR1</i>	370, 328, 138, 132, 15a
<i>PICALM</i>	132
<i>MS4A6A</i>	-
<i>CD33</i>	138
<i>MS4A4E</i>	370
<i>CD2AP</i>	138, 132, 15a