

SUPPLEMENTARY TABLES

Table S1. Heat map of Ct differences in the miRNAs tested in the first set of experiments and the list of miRNAs selected for the second set of experiments.

	Young males - Young females	Young males - Old males	Young females - Old females	Old males - Old females	Selected for use in Study 2
miR-7	-0.33	0.57	0.23	-0.66	miR-7
let-7e	0.25	0.70	0.20	-0.26	let-7e
miR-107	0.01	0.29	0.15	-0.13	
miR-127	0.09	-0.04	-0.97	-0.83	miR-127
miR-128a	-0.06	0.19	0.25	0.00	
miR-132	0.34	0.74	0.35	-0.05	miR-132
miR-135a	0.39	1.49	0.53	-0.57	miR-135a
miR-16	-0.11	0.40	0.22	-0.29	
miR-181a	0.49	0.97	0.81	0.32	miR-181a
miR-182	-0.13	0.72	0.85	-0.01	miR-182
miR-195	0.00	0.61	0.61	-0.01	miR-195
miR-200a	0.10	-0.24	0.48	0.82	
miR-323-3p	0.13	0.07	-0.67	-0.61	miR-323-3p
miR-335	0.08	0.17	0.35	0.26	
miR-338-3p	-0.15	-0.24	0.15	0.24	
miR-370	1.44	0.61	-1.60	-0.77	miR-370
miR-375	-0.39	-0.16	1.43	1.20	miR-375
miR-382	0.33	1.03	0.39	-0.31	miR-382
miR-410	0.21	0.51	-0.18	-0.48	
miR-411	0.71	0.65	-0.36	-0.30	miR-411
miR-433	0.24	0.05	-0.91	-0.73	miR-433
miR-485-5p	0.48	0.33	-0.30	-0.15	
miR-487b	0.38	0.60	-0.17	-0.39	miR-487b
miR-874	0.10	0.44	0.61	0.28	miR-874
miR-9	0.67	0.64	0.24	0.27	
miR-9*	0.32	-0.31	-0.08	0.55	
miR-99a	0.38	0.98	0.82	0.23	miR-99a
miR-134	0.25	0.49	-0.81	-1.05	miR-134
miR-451	-0.17	0.27	0.23	-0.21	
miR-491	-0.03	0.28	0.06	-0.24	miR-491

Table S2. Heat map of the correlational data presented in Figure S1.

	Age	miR-127	miR-134	miR-323-3p	miR-370	miR-382	miR-411	miR-433	miR-487b
Male	29.7 ± 2.79	-0.03	-0.19	-0.17	-0.37	-0.10	0.12	-0.19	-0.09
	41.4 ± 1.84	0.20	0.09	0.03	-0.25	0.28	0.17	0.13	0.05
	49.8 ± 3.22	-0.69	-0.72	-0.40	-0.63	-0.50	-0.61	-0.60	-0.58
	60.4 ± 3.72	-0.32	-0.29	-0.21	-0.12	-0.40	-0.32	-0.25	-0.39
	69.6 ± 2.67	0.59	0.62	0.54	0.48	0.50	0.29	0.46	0.52
Female	28.1 ± 1.1	-0.34	-0.51	-0.38	-0.43	-0.45	-0.05	-0.27	-0.42
	42.4 ± 3.31	0.31	0.44	0.36	0.33	0.41	0.18	0.40	0.37
	49.6 ± 2.37	-0.06	0.07	0.16	-0.44	0.01	-0.30	-0.04	0.01
	59.6 ± 2.07	0.10	-0.01	0.10	-0.34	0.06	0.08	0.09	0.04
	70.2 ± 2.82	-0.37	-0.28	-0.36	-0.31	-0.13	-0.55	-0.35	-0.44