

**Supplementary Table 3.** List of all the differentially expressed circRNAs and their interacting MREs

circRNA	Regulation	Fold-change	MRE1	MRE2	MRE3	MRE4	MRE5
hsa_circRNA_059571	Up	3.84	hsa-miR-4436b-5p	hsa-miR-4748	hsa-miR-4464	hsa-miR-511-5p	hsa-miR-103a-2-5p
hsa_circRNA_101062	Up	3.78	hsa-miR-612	hsa-miR-212-5p	hsa-miR-764	hsa-let-7f-2-3p	hsa-miR-660-3p
hsa_circRNA_050263	Up	3.78	hsa-miR-4799-3p	hsa-miR-324-5p	hsa-miR-4538	hsa-miR-1226-5p	hsa-miR-4642
hsa_circRNA_100332	Up	3.66	hsa-miR-892a	hsa-miR-216a-3p	hsa-miR-302c-3p	hsa-miR-493-5p	hsa-miR-200c-5p
hsa_circRNA_085129	Up	3.57	hsa-miR-6780a-3p	hsa-miR-1266-3p	hsa-miR-26b-3p	hsa-miR-145-5p	hsa-miR-370-3p
hsa_circRNA_400229	Up	3.57	hsa-miR-6868-3p	hsa-miR-1237-3p	hsa-miR-6792-3p	hsa-miR-7844-5p	hsa-miR-508-3p
hsa_circRNA_005178	Up	3.50	hsa-miR-127-5p	hsa-miR-8082	hsa-miR-29b-3p	hsa-miR-2052	hsa-miR-6500-3p
hsa_circRNA_103845	Up	3.41	hsa-miR-432-5p	hsa-miR-769-3p	hsa-miR-545-3p	hsa-miR-127-3p	hsa-miR-1185-2-3p
hsa_circRNA_406276	Up	3.29	hsa-miR-541-3p	hsa-miR-4495	hsa-miR-4668-5p	hsa-miR-193a-3p	hsa-miR-3120-5p
hsa_circRNA_104480	Up	3.19	hsa-miR-492	hsa-miR-744-3p	hsa-miR-1301-3p	hsa-miR-22-3p	hsa-miR-423-3p
hsa_circRNA_100197	Up	3.11	hsa-miR-548a-5p	hsa-miR-383-3p	hsa-miR-559	hsa-miR-149-3p	hsa-miR-140-3p
hsa_circRNA_101089	Up	3.05	hsa-miR-641	hsa-miR-92a-2-5p	hsa-miR-149-3p	hsa-miR-637	hsa-miR-367-5p
hsa_circRNA_101018	Up	3.03	hsa-miR-338-3p	hsa-miR-1271-3p	hsa-miR-489-3p	hsa-miR-582-5p	hsa-miR-508-5p
hsa_circRNA_083530	Up	2.94	hsa-miR-431-3p	hsa-miR-4672	hsa-miR-3671	hsa-miR-4793-3p	hsa-miR-4728-3p
hsa_circRNA_101175	Up	2.87	hsa-miR-374a-3p	hsa-miR-124-5p	hsa-miR-181b-5p	hsa-miR-181d-5p	hsa-miR-125b-1-3p
hsa_circRNA_000336	Up	2.79	hsa-miR-5699-3p	hsa-miR-1343-3p	hsa-miR-6818-3p	hsa-miR-1193	hsa-miR-1226-5p
hsa_circRNA_077582	Up	2.78	hsa-miR-6878-5p	hsa-miR-335-5p	hsa-miR-4496	hsa-miR-3145-3p	hsa-miR-548aq-5p
hsa_circRNA_103567	Up	2.70	hsa-miR-211-3p	hsa-miR-765	hsa-miR-214-3p	hsa-miR-630	hsa-miR-580-3p
hsa_circRNA_009012	Up	2.62	hsa-miR-6883-5p	hsa-miR-762	hsa-miR-6756-5p	hsa-miR-4763-3p	hsa-miR-6785-5p
hsa_circRNA_028904	Up	2.62	hsa-miR-6867-3p	hsa-miR-374a-3p	hsa-miR-3618	hsa-miR-181d-5p	hsa-miR-181b-5p
hsa_circRNA_402893	Up	2.56	hsa-miR-6868-3p	hsa-miR-5196-3p	hsa-miR-8075	hsa-miR-6803-5p	hsa-miR-6756-5p
hsa_circRNA_001594	Up	2.54	hsa-miR-17-3p	hsa-miR-412-3p	hsa-miR-450a-2-3p	hsa-miR-212-5p	hsa-miR-346
hsa_circRNA_102899	Up	2.51	hsa-miR-432-3p	hsa-miR-203a-5p	hsa-miR-539-3p	hsa-miR-487a-3p	hsa-miR-367-3p
hsa_circRNA_001229	Up	2.49	hsa-miR-6734-5p	hsa-miR-4728-5p	hsa-miR-3175	hsa-miR-6770-5p	hsa-miR-6878-5p
hsa_circRNA_404474	Up	2.44	hsa-miR-6743-3p	hsa-miR-3157-5p	hsa-miR-1205	hsa-miR-378h	hsa-miR-5009-5p
hsa_circRNA_091000	Up	2.44	hsa-miR-197-5p	hsa-miR-103a-2-5p	hsa-miR-4778-3p	hsa-miR-7851-3p	hsa-miR-4436b-5p
hsa_circRNA_016661	Up	2.43	hsa-miR-4642	hsa-miR-5187-3p	hsa-miR-183-5p	hsa-miR-891a-3p	hsa-miR-7152-5p
hsa_circRNA_102070	Up	2.42	hsa-miR-144-5p	hsa-miR-493-3p	hsa-miR-206	hsa-miR-670-5p	hsa-miR-365a-3p
hsa_circRNA_031210	Up	2.38	hsa-miR-330-5p	hsa-miR-4668-3p	hsa-miR-326	hsa-miR-4742-5p	hsa-miR-3174
hsa_circRNA_000590	Up	2.36	hsa-miR-6768-5p	hsa-miR-24-3p	hsa-let-7g-3p	hsa-miR-511-3p	hsa-miR-30e-3p
hsa_circRNA_103126	Up	2.36	hsa-let-7b-5p	hsa-let-7d-5p	hsa-let-7a-5p	hsa-let-7e-5p	hsa-let-7i-5p
hsa_circRNA_400230	Up	2.29	hsa-miR-16-2-3p	hsa-miR-5197-3p	hsa-miR-676-5p	hsa-miR-32-3p	hsa-miR-421
hsa_circRNA_103356	Up	2.24	hsa-miR-103a-2-5p	hsa-miR-29b-1-5p	hsa-miR-136-5p	hsa-miR-17-3p	hsa-miR-1271-3p
hsa_circRNA_103355	Up	2.24	hsa-miR-136-5p	hsa-miR-1468-5p	hsa-miR-335-3p	hsa-miR-138-5p	hsa-miR-103a-2-5p
hsa_circRNA_103445	Up	2.21	hsa-miR-202-5p	hsa-miR-764	hsa-miR-330-3p	hsa-miR-34a-3p	hsa-miR-1468-3p
hsa_circRNA_100844	Up	2.21	hsa-miR-320a	hsa-miR-320b	hsa-miR-497-3p	hsa-miR-22-3p	hsa-miR-98-5p
hsa_circRNA_100387	Up	2.19	hsa-miR-32-3p	hsa-miR-148b-5p	hsa-miR-146a-3p	hsa-miR-1298-3p	hsa-miR-450a-1-3p
hsa_circRNA_000585	Up	2.18	hsa-miR-330-5p	hsa-miR-328-3p	hsa-miR-127-5p	hsa-miR-326	hsa-miR-615-5p
hsa_circRNA_103582	Up	2.18	hsa-miR-130b-5p	hsa-miR-491-3p	hsa-miR-136-5p	hsa-miR-543	hsa-miR-199b-5p
hsa_circRNA_020068	Up	2.18	hsa-miR-6731-5p	hsa-miR-8085	hsa-miR-8089	hsa-miR-8082	hsa-miR-4534

*(Continued to the next page)*

Supplementary Table 3. Continued

circRNA	Regulation	Fold-change	MRE1	MRE2	MRE3	MRE4	MRE5
hsa_circRNA_100789	Up	2.17	hsa-miR-873-5p	hsa-miR-20b-3p	hsa-miR-649	hsa-miR-150-3p	hsa-miR-133a-5p
hsa_circRNA_404736	Up	2.16	hsa-miR-1207-3p	hsa-miR-5689	hsa-miR-6131	hsa-miR-7152-3p	hsa-miR-3912-5p
hsa_circRNA_100787	Up	2.15	hsa-miR-873-5p	hsa-miR-20b-3p	hsa-miR-20a-3p	hsa-miR-649	hsa-miR-1296-3p
hsa_circRNA_103220	Up	2.14	hsa-miR-494-5p	hsa-miR-431-3p	hsa-miR-210-5p	hsa-miR-647	hsa-miR-578
hsa_circRNA_000554	Up	2.14	hsa-miR-153-5p	hsa-miR-619-5p	hsa-miR-29b-2-5p	hsa-miR-329-5p	hsa-miR-635
hsa_circRNA_004090	Up	2.14	hsa-miR-654-3p	hsa-miR-6738-3p	hsa-miR-6807-3p	hsa-miR-6509-3p	hsa-miR-20b-5p
hsa_circRNA_100775	Up	2.12	hsa-miR-574-5p	hsa-miR-452-5p	hsa-miR-145-3p	hsa-miR-29b-1-5p	hsa-miR-553
hsa_circRNA_101078	Up	2.12	hsa-miR-18a-3p	hsa-miR-190a-5p	hsa-miR-382-5p	hsa-miR-450a-5p	hsa-miR-624-3p
hsa_circRNA_102781	Up	2.09	hsa-miR-539-5p	hsa-miR-142-3p	hsa-miR-500a-5p	hsa-miR-642a-3p	hsa-miR-544a
hsa_circRNA_022920	Up	2.09	hsa-miR-650	hsa-miR-6718-5p	hsa-miR-602	hsa-miR-3612	hsa-miR-6840-5p
hsa_circRNA_406839	Up	2.09	hsa-miR-5696	hsa-miR-205-5p	hsa-miR-4668-3p	hsa-miR-6854-5p	hsa-miR-3671
hsa_circRNA_089921	Up	2.08	hsa-miR-4653-5p	hsa-miR-3921	hsa-miR-4303	hsa-miR-6783-3p	hsa-miR-6837-3p
hsa_circRNA_102817	Up	2.08	hsa-miR-331-5p	hsa-miR-298	hsa-miR-296-3p	hsa-miR-30c-1-3p	hsa-miR-588
hsa_circRNA_100790	Up	2.08	hsa-miR-20b-3p	hsa-miR-150-3p	hsa-miR-133a-5p	hsa-miR-509-3p	hsa-miR-485-5p
hsa_circRNA_405614	Up	2.07	hsa-miR-6782-5p	hsa-miR-3936	hsa-miR-4760-3p	hsa-miR-325	hsa-miR-337-3p
hsa_circRNA_101026	Up	2.06	hsa-miR-30a-3p	hsa-miR-136-5p	hsa-miR-138-2-3p	hsa-miR-660-3p	hsa-miR-511-5p
hsa_circRNA_063408	Up	2.03	hsa-miR-361-3p	hsa-miR-4667-3p	hsa-miR-3679-3p	hsa-miR-6881-3p	hsa-miR-1236-3p
hsa_circRNA_104169	Up	2.03	hsa-miR-501-5p	hsa-miR-186-5p	hsa-miR-141-3p	hsa-miR-200a-3p	hsa-miR-125a-3p
hsa_circRNA_404779	Up	2.02	hsa-miR-7847-3p	hsa-miR-6832-3p	hsa-miR-204-5p	hsa-miR-211-5p	hsa-miR-6880-5p
hsa_circRNA_400089	Up	2.01	hsa-miR-378a-3p	hsa-miR-422a	hsa-miR-15a-3p	hsa-miR-378d	hsa-miR-205-3p
hsa_circRNA_005310	Up	2.00	hsa-miR-7161-3p	hsa-miR-371b-3p	hsa-miR-4423-5p	hsa-miR-510-5p	hsa-miR-3942-3p
hsa_circRNA_045308	Down	2.61	hsa-miR-939-5p	hsa-miR-676-3p	hsa-miR-516a-3p	hsa-miR-516b-3p	hsa-miR-2467-5p
hsa_circRNA_007221	Down	2.34	hsa-miR-4677-5p	hsa-miR-103a-2-5p	hsa-miR-4482-3p	hsa-miR-1305	hsa-miR-3614-3p
hsa_circRNA_102993	Down	2.18	hsa-miR-877-5p	hsa-miR-422a	hsa-miR-524-3p	hsa-miR-651-3p	hsa-miR-624-5p
hsa_circRNA_042079	Down	2.18	hsa-miR-6868-3p	hsa-miR-199a-3p	hsa-miR-199b-3p	hsa-miR-148a-5p	hsa-miR-1180-3p
hsa_circRNA_003806	Down	2.16	hsa-miR-3619-5p	hsa-miR-5001-5p	hsa-miR-608	hsa-miR-6798-5p	hsa-miR-6722-3p
hsa_circRNA_008587	Down	2.09	hsa-miR-1248	hsa-miR-6738-3p	hsa-miR-6744-3p	hsa-miR-6847-5p	hsa-miR-761
hsa_circRNA_022602	Down	2.08	hsa-miR-4646-5p	hsa-miR-6844	hsa-miR-4778-3p	hsa-miR-3140-3p	hsa-miR-6885-3p

circRNA, circular RNA; MRE, microRNA (miRNA) response element.