

Figure S1. Most commonly enriched GO terms of the related genes. The x-axis shows the number of genes, and the y-axis shows the GO term. GO, Gene Ontology.

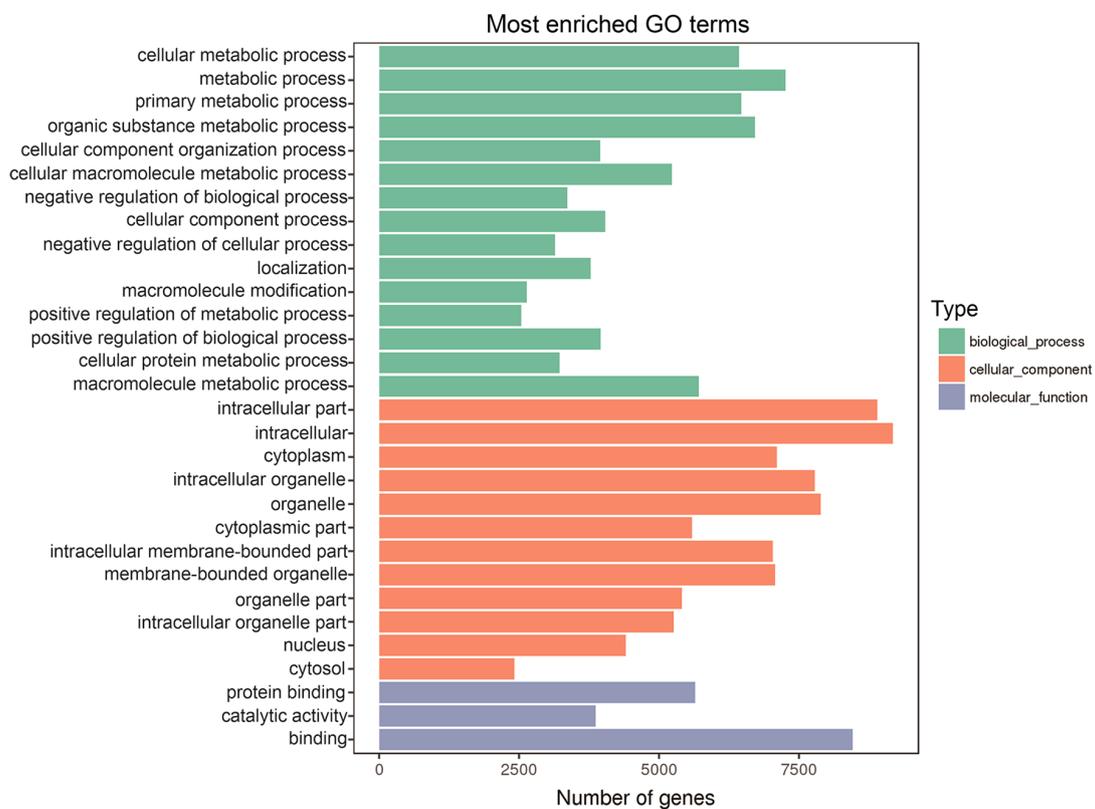


Figure S2. KEGG analysis of the associated mRNAs. x-axis represents the Rich Factor. The larger the Rich Factor the greater enrichment. y-axis shows the name of the statistical pathway enrichment. The area of each node represents the number of enriched genes. q-values are indicated by differences in color on a scale from red to blue. KEGG, Kyoto Encyclopedia of Genes and Genomes.

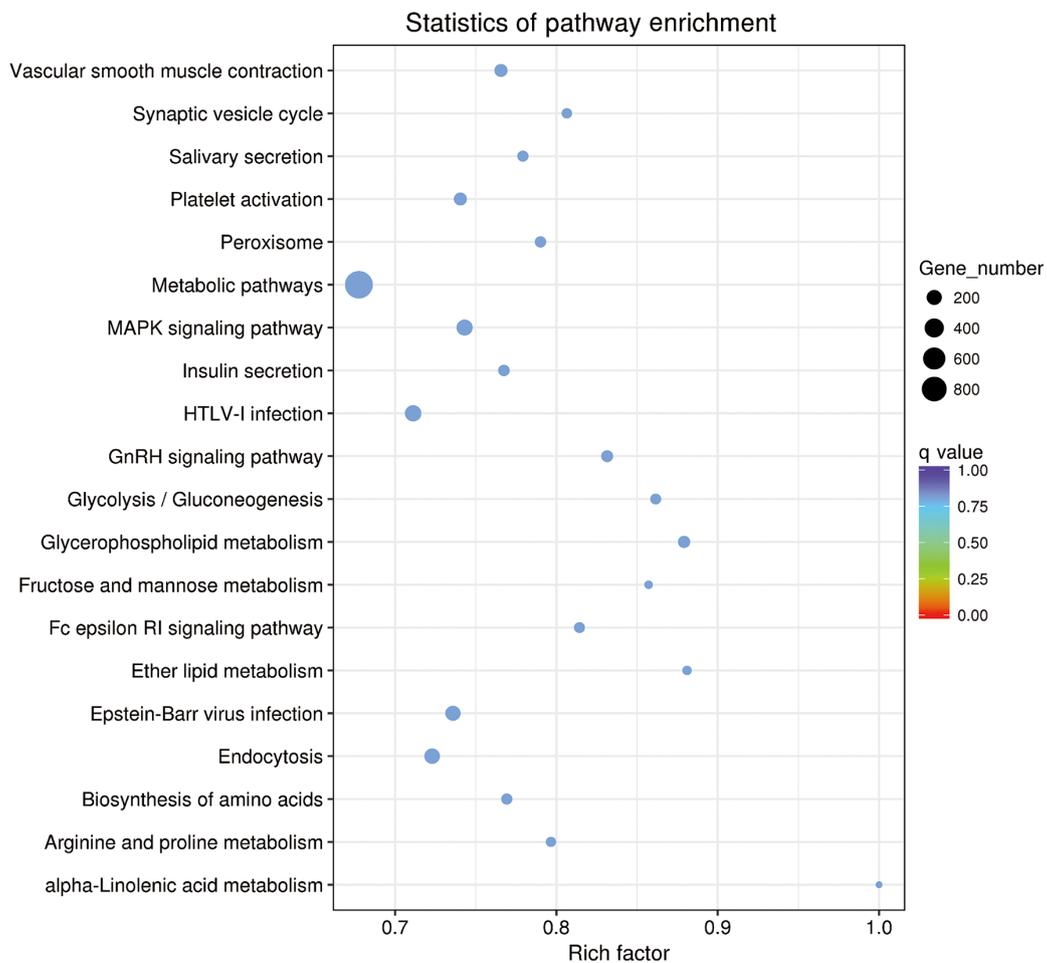


Table SI. Relative expression data of the 58 differentially expressed circRNA.

ID	db_readcount	con_readcount	log2FoldChange	P-value
novel_circ_0008273	85.82040774	22.74974392	1.6944	0.0000054697
novel_circ_0004848	5.761563008	0	1.5298	0.0050149
novel_circ_0009344	8.657371189	0.866025404	1.4796	0.0082168
mmu_circ_0001697	7.424543885	0.631209332	1.4321	0.010391
mmu_circ_0001160	5.462560758	0	1.4224	0.0083648
novel_circ_0002156	7.651641591	0.793879262	1.3966	0.012467
novel_circ_0000153	4.782021077	0	1.3468	0.01183
novel_circ_0001441	4.479153141	0	1.3157	0.013574
mmu_circ_0001381	9.38738694	1.822028225	1.2984	0.019438
novel_circ_0005035	4.732545007	0	1.2919	0.014933
novel_circ_0003418	4.152030381	0	1.2459	0.018223
novel_circ_0007228	8.329175514	1.524164267	1.2171	0.02939
novel_circ_0005545	6.793480274	0.866025404	1.2089	0.030229
novel_circ_0002626	4.001562834	0	1.2016	0.021826
novel_circ_0005411	4.000596413	0	1.1999	0.021895
novel_circ_0008169	6.542987673	0.866025404	1.1659	0.036412
novel_circ_0004799	3.876316533	0	1.1499	0.026726
mmu_circ_0001354	5.511070407	0.631209332	1.1434	0.038522
novel_circ_0007919	25.13734715	9.669660118	1.1418	0.0083275
novel_circ_0001220	3.623891089	0	1.1185	0.030209
novel_circ_0009517	8.632149943	2.318043529	1.1059	0.043902
novel_circ_0006328	3.649112335	0	1.1005	0.032234
novel_circ_0000082	3.673473652	0	1.0969	0.032538
novel_circ_0001720	101.7208355	47.34644422	1.0363	0.000046285
novel_circ_0009552	49.52890852	24.88719568	0.87343	0.013147
novel_circ_0008527	23.1510027	11.42809409	0.83919	0.049077
mmu_circ_0000431	102.1400389	56.3138416	0.81195	0.002535
mmu_circ_0001625	50.3064675	27.59299002	0.77092	0.022328
mmu_circ_0001447	52.66844436	33.13122083	0.61574	0.048972
novel_circ_0000683	18.57085808	35.03185217	-0.78002	0.0441
mmu_circ_0000239	35.23028203	65.49549193	-0.81833	0.0080635
novel_circ_0006784	7.549683693	17.6788692	-0.93974	0.04689
novel_circ_0003007	8.003125668	19.44476231	-0.96651	0.048239
novel_circ_0005131	0	3.184068933	-1.0171	0.043862
novel_circ_0002897	0	3.292333429	-1.0488	0.039191
novel_circ_0000865	0	3.553532661	-1.0907	0.03343
mmu_circ_0001272	6.566382568	18.7516884	-1.0915	0.024666
novel_circ_0004315	0.603803029	5.285583469	-1.0917	0.046789
mmu_circ_0000375	2.618161491	9.750448712	-1.1079	0.045156
mmu_circ_0000680	2.290072309	8.903256758	-1.1309	0.03992
mmu_circ_0001058	3.875350112	12.74437181	-1.1613	0.025684
mmu_circ_0001666	0	3.923542761	-1.1957	0.02234
novel_circ_0009768	2.037646864	9.317390726	-1.1977	0.030179
novel_circ_0003608	0	3.977948195	-1.2022	0.021758
mmu_circ_0001038	5.737308184	17.72408581	-1.2214	0.010592
novel_circ_0003873	0	4.157812462	-1.2219	0.02
mmu_circ_0000547	1.28434271	8.396413518	-1.2309	0.027612
novel_circ_0006679	0.553360537	6.025603668	-1.2411	0.02508
novel_circ_0008844	4.855858464	16.91191947	-1.2682	0.010796
novel_circ_0007538	0	4.392628534	-1.2797	0.015749
mmu_circ_0000058	0	4.50089303	-1.3218	0.013209
novel_circ_0000738	0.856228473	7.143730048	-1.3286	0.017364
novel_circ_0005022	0	4.609157527	-1.3469	0.011856
novel_circ_0001810	0	5.114361654	-1.4272	0.0082399
novel_circ_0004285	0	5.502112462	-1.5234	0.0052153
novel_circ_0008921	0	6.106392262	-1.6302	0.0030306
novel_circ_0000824	0.603803029	10.58790547	-1.6884	0.0025583
mmu_circ_0000652	0	6.738147965	-1.7196	0.0018671

Readcount represents the number of read supports in circRNA in each sample. log2FoldChange, $\log_2(\text{db_readcount}/\text{con_readcount})$; circRNA, circular RNA.

Table SII. Thirteen verified circRNAs and their predicted target miRNAs used for circRNA-miRNA network construction.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0001697	mmu-miR-291a-3p	144
mmu_circ_0001697	mmu-miR-294-3p	145
mmu_circ_0001697	mmu-miR-295-3p	143
mmu_circ_0001697	mmu-miR-300-5p	153
mmu_circ_0001697	mmu-miR-302a-3p	162
mmu_circ_0001697	mmu-miR-106a-5p	147
mmu_circ_0001697	mmu-miR-106b-5p	154
mmu_circ_0001697	mmu-miR-20a-5p	155
mmu_circ_0001697	mmu-miR-22-5p	146
mmu_circ_0001697	mmu-miR-93-5p	155
mmu_circ_0001697	mmu-miR-326-3p	140
mmu_circ_0001697	mmu-miR-330-5p	141
mmu_circ_0001697	mmu-miR-17-5p	154
mmu_circ_0001697	mmu-miR-410-5p	167
mmu_circ_0001697	mmu-miR-485-5p	151
mmu_circ_0001697	mmu-miR-494-5p	175
mmu_circ_0001697	mmu-miR-20b-5p	155
mmu_circ_0001697	mmu-miR-302b-5p	150
mmu_circ_0001697	mmu-miR-302b-3p	154
mmu_circ_0001697	mmu-miR-302c-5p	146
mmu_circ_0001697	mmu-miR-302d-5p	147
mmu_circ_0001697	mmu-miR-302d-3p	150
mmu_circ_0001697	mmu-miR-1843a-5p	141
mmu_circ_0001697	mmu-miR-875-3p	148
mmu_circ_0001697	mmu-miR-1930-5p	145
mmu_circ_0001697	mmu-miR-1962	145
mmu_circ_0001697	mmu-miR-1968-3p	146
mmu_circ_0001697	mmu-miR-3064-5p	149
mmu_circ_0001697	mmu-miR-3085-3p	140
mmu_circ_0001697	mmu-miR-3113-5p	140
mmu_circ_0001697	mmu-miR-5112	143
mmu_circ_0001697	mmu-miR-3572-5p	148
mmu_circ_0001697	mmu-miR-5623-5p	144
mmu_circ_0001697	mmu-miR-5623-3p	146
mmu_circ_0001697	mmu-miR-6383	162
mmu_circ_0001697	mmu-miR-6898-5p	140
mmu_circ_0001697	mmu-miR-6901-3p	148
mmu_circ_0001697	mmu-miR-6935-3p	150
mmu_circ_0001697	mmu-miR-6939-3p	146
mmu_circ_0001697	mmu-miR-6941-5p	147
mmu_circ_0001697	mmu-miR-6975-5p	151
mmu_circ_0001697	mmu-miR-6993-3p	155
mmu_circ_0001697	mmu-miR-7005-5p	150
mmu_circ_0001697	mmu-miR-7023-5p	157
mmu_circ_0001697	mmu-miR-7024-5p	142
mmu_circ_0001697	mmu-miR-7037-3p	145
mmu_circ_0001697	mmu-miR-6769b-5p	147
mmu_circ_0001697	mmu-miR-7073-5p	147
mmu_circ_0001697	mmu-miR-7092-3p	163
mmu_circ_0001697	mmu-miR-7094-1-5p	150
mmu_circ_0001697	mmu-miR-7117-5p	146
mmu_circ_0001697	mmu-miR-7119-5p	149
mmu_circ_0001697	mmu-miR-7212-5p	145
mmu_circ_0001697	mmu-miR-7214-5p	148
mmu_circ_0001697	mmu-miR-7227-3p	152
mmu_circ_0001697	mmu-miR-7242-3p	141

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0001697	mmu-miR-7660-3p	152
mmu_circ_0001697	mmu-miR-7667-5p	151
mmu_circ_0001697	mmu-miR-8093	145
mmu_circ_0001697	mmu-miR-8108	145
mmu_circ_0001697	mmu-miR-3083b-5p	162
mmu_circ_0001160	mmu-miR-199a-5p	149
mmu_circ_0001160	mmu-miR-298-5p	140
mmu_circ_0001160	mmu-miR-192-3p	149
mmu_circ_0001160	mmu-miR-16-2-3p	154
mmu_circ_0001160	mmu-miR-22-3p	152
mmu_circ_0001160	mmu-miR-199b-5p	156
mmu_circ_0001160	mmu-miR-433-3p	150
mmu_circ_0001160	mmu-miR-511-3p	159
mmu_circ_0001160	mmu-miR-3063-5p	159
mmu_circ_0001160	mmu-miR-3069-5p	145
mmu_circ_0001160	mmu-miR-3071-3p	154
mmu_circ_0001160	mmu-miR-3470a	153
mmu_circ_0001160	mmu-miR-101c	155
mmu_circ_0001160	mmu-miR-3966	144
mmu_circ_0001160	mmu-miR-3473c	140
mmu_circ_0001160	mmu-miR-5134-5p	147
mmu_circ_0001160	mmu-miR-6917-5p	153
mmu_circ_0001160	mmu-miR-6974-3p	142
mmu_circ_0001160	mmu-miR-6983-5p	143
mmu_circ_0001160	mmu-miR-7022-3p	141
mmu_circ_0001160	mmu-miR-7064-5p	152
mmu_circ_0001160	mmu-miR-7649-3p	140
mmu_circ_0001160	mmu-miR-216c-5p	158
mmu_circ_0001160	mmu-miR-8114	140
mmu_circ_0001160	mmu-miR-12201-5p	140
mmu_circ_0000680	mmu-miR-1a-3p	152
mmu_circ_0000680	mmu-miR-30a-3p	159
mmu_circ_0000680	mmu-miR-124-3p	157
mmu_circ_0000680	mmu-miR-135a-1-3p	155
mmu_circ_0000680	mmu-miR-137-3p	150
mmu_circ_0000680	mmu-miR-206-5p	153
mmu_circ_0000680	mmu-miR-206-3p	157
mmu_circ_0000680	mmu-miR-30e-3p	163
mmu_circ_0000680	mmu-miR-30d-3p	148
mmu_circ_0000680	mmu-miR-148a-5p	151
mmu_circ_0000680	mmu-miR-326-3p	143
mmu_circ_0000680	mmu-miR-330-5p	146
mmu_circ_0000680	mmu-miR-148b-5p	161
mmu_circ_0000680	mmu-miR-409-3p	156
mmu_circ_0000680	mmu-miR-450a-1-3p	153
mmu_circ_0000680	mmu-miR-541-5p	153
mmu_circ_0000680	mmu-miR-542-3p	142
mmu_circ_0000680	mmu-miR-450b-3p	153
mmu_circ_0000680	mmu-miR-871-3p	148
mmu_circ_0000680	mmu-miR-876-5p	146
mmu_circ_0000680	mmu-miR-147-5p	142
mmu_circ_0000680	mmu-miR-654-3p	146
mmu_circ_0000680	mmu-miR-344e-5p	152
mmu_circ_0000680	mmu-miR-344h-5p	152
mmu_circ_0000680	mmu-miR-6349	153
mmu_circ_0000680	mmu-miR-6352	141

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0000680	mmu-miR-6368	143
mmu_circ_0000680	mmu-miR-6382	148
mmu_circ_0000680	mmu-miR-6404	149
mmu_circ_0000680	mmu-miR-6405	152
mmu_circ_0000680	mmu-miR-873b	162
mmu_circ_0000680	mmu-miR-6898-3p	146
mmu_circ_0000680	mmu-miR-6907-5p	149
mmu_circ_0000680	mmu-miR-6943-3p	155
mmu_circ_0000680	mmu-miR-6947-3p	145
mmu_circ_0000680	mmu-miR-6959-5p	155
mmu_circ_0000680	mmu-miR-3547-5p	141
mmu_circ_0000680	mmu-miR-6971-3p	150
mmu_circ_0000680	mmu-miR-6981-3p	151
mmu_circ_0000680	mmu-miR-7019-5p	147
mmu_circ_0000680	mmu-miR-7022-5p	142
mmu_circ_0000680	mmu-miR-7031-5p	150
mmu_circ_0000680	mmu-miR-7038-5p	144
mmu_circ_0000680	mmu-miR-7048-3p	140
mmu_circ_0000680	mmu-miR-7063-5p	146
mmu_circ_0000680	mmu-miR-7077-3p	146
mmu_circ_0000680	mmu-miR-7088-5p	153
mmu_circ_0000680	mmu-miR-7226-5p	160
mmu_circ_0000680	mmu-miR-7651-3p	161
mmu_circ_0000680	mmu-miR-219b-5p	146
mmu_circ_0000680	mmu-miR-9769-5p	142
mmu_circ_0000652	mmu-miR-15b-5p	153
mmu_circ_0000652	mmu-miR-134-5p	167
mmu_circ_0000652	mmu-miR-138-5p	155
mmu_circ_0000652	mmu-miR-195a-5p	142
mmu_circ_0000652	mmu-miR-143-3p	152
mmu_circ_0000652	mmu-miR-291a-3p	149
mmu_circ_0000652	mmu-miR-294-3p	141
mmu_circ_0000652	mmu-miR-295-3p	153
mmu_circ_0000652	mmu-miR-302a-3p	148
mmu_circ_0000652	mmu-miR-196a-5p	144
mmu_circ_0000652	mmu-miR-15a-5p	147
mmu_circ_0000652	mmu-miR-16-5p	143
mmu_circ_0000652	mmu-miR-18a-3p	158
mmu_circ_0000652	mmu-miR-22-3p	159
mmu_circ_0000652	mmu-miR-322-5p	146
mmu_circ_0000652	mmu-miR-135b-3p	147
mmu_circ_0000652	mmu-miR-382-5p	142
mmu_circ_0000652	mmu-miR-196b-5p	150
mmu_circ_0000652	mmu-miR-376b-3p	145
mmu_circ_0000652	mmu-miR-370-5p	163
mmu_circ_0000652	mmu-miR-448-5p	153
mmu_circ_0000652	mmu-miR-302b-3p	148
mmu_circ_0000652	mmu-miR-302d-3p	150
mmu_circ_0000652	mmu-miR-760-3p	148
mmu_circ_0000652	mmu-miR-497a-5p	153
mmu_circ_0000652	mmu-miR-688	155
mmu_circ_0000652	mmu-miR-707	145
mmu_circ_0000652	mmu-miR-709	142
mmu_circ_0000652	mmu-miR-615-3p	154
mmu_circ_0000652	mmu-miR-874-3p	145
mmu_circ_0000652	mmu-miR-105	163

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0000652	mmu-miR-1193-3p	155
mmu_circ_0000652	mmu-miR-1198-5p	168
mmu_circ_0000652	mmu-miR-1906	149
mmu_circ_0000652	mmu-miR-1907	156
mmu_circ_0000652	mmu-miR-1952	145
mmu_circ_0000652	mmu-miR-1966-3p	152
mmu_circ_0000652	mmu-miR-2861	140
mmu_circ_0000652	mmu-miR-3091-3p	151
mmu_circ_0000652	mmu-miR-3102-3p	159
mmu_circ_0000652	mmu-miR-3105-5p	149
mmu_circ_0000652	mmu-miR-3074-2-3p	150
mmu_circ_0000652	mmu-miR-3966	163
mmu_circ_0000652	mmu-miR-5112	140
mmu_circ_0000652	mmu-miR-3544-3p	145
mmu_circ_0000652	mmu-miR-299b-5p	141
mmu_circ_0000652	mmu-miR-5620-3p	144
mmu_circ_0000652	mmu-miR-195b	145
mmu_circ_0000652	mmu-miR-6342	156
mmu_circ_0000652	mmu-miR-6353	155
mmu_circ_0000652	mmu-miR-6379	144
mmu_circ_0000652	mmu-miR-6391	166
mmu_circ_0000652	mmu-miR-6392-3p	149
mmu_circ_0000652	mmu-miR-6418-3p	154
mmu_circ_0000652	mmu-miR-6419	160
mmu_circ_0000652	mmu-miR-6540-3p	145
mmu_circ_0000652	mmu-miR-6926-3p	145
mmu_circ_0000652	mmu-miR-6937-5p	157
mmu_circ_0000652	mmu-miR-6989-3p	148
mmu_circ_0000652	mmu-miR-6991-3p	147
mmu_circ_0000652	mmu-miR-6998-3p	141
mmu_circ_0000652	mmu-miR-7006-3p	143
mmu_circ_0000652	mmu-miR-7026-5p	150
mmu_circ_0000652	mmu-miR-7033-3p	149
mmu_circ_0000652	mmu-miR-7037-3p	140
mmu_circ_0000652	mmu-miR-7046-5p	164
mmu_circ_0000652	mmu-miR-7049-3p	149
mmu_circ_0000652	mmu-miR-7069-3p	145
mmu_circ_0000652	mmu-miR-7072-3p	150
mmu_circ_0000652	mmu-miR-7215-3p	153
mmu_circ_0000652	mmu-miR-7239-3p	153
mmu_circ_0000652	mmu-miR-7649-5p	154
mmu_circ_0000652	mmu-miR-7666-3p	143
mmu_circ_0000652	mmu-miR-3620-3p	140
mmu_circ_0000652	mmu-miR-1258-5p	150
mmu_circ_0000652	mmu-miR-1291	158
mmu_circ_0000652	mmu-miR-9718	147
mmu_circ_0000652	mmu-miR-12178-3p	159
mmu_circ_0000058	mmu-miR-667-5p	146
mmu_circ_0000058	mmu-miR-1904	159
mmu_circ_0000058	mmu-miR-344i	147
mmu_circ_0000547	mmu-miR-138-5p	148
mmu_circ_0000547	mmu-miR-152-5p	151
mmu_circ_0000547	mmu-miR-10b-3p	145
mmu_circ_0000547	mmu-miR-207	172
mmu_circ_0000547	mmu-miR-345-5p	159
mmu_circ_0000547	mmu-miR-100-3p	153

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0000547	mmu-miR-216a-3p	154
mmu_circ_0000547	mmu-miR-320-5p	151
mmu_circ_0000547	mmu-miR-335-5p	140
mmu_circ_0000547	mmu-miR-1224-3p	157
mmu_circ_0000547	mmu-miR-675-5p	141
mmu_circ_0000547	mmu-miR-744-3p	151
mmu_circ_0000547	mmu-miR-1264-5p	147
mmu_circ_0000547	mmu-miR-3475-3p	140
mmu_circ_0000547	mmu-miR-3058-3p	154
mmu_circ_0000547	mmu-miR-763	150
mmu_circ_0000547	mmu-miR-680	159
mmu_circ_0000547	mmu-miR-697	153
mmu_circ_0000547	mmu-miR-717	149
mmu_circ_0000547	mmu-miR-490-5p	157
mmu_circ_0000547	mmu-miR-615-3p	154
mmu_circ_0000547	mmu-miR-1904	170
mmu_circ_0000547	mmu-miR-1968-3p	145
mmu_circ_0000547	mmu-miR-2136	163
mmu_circ_0000547	mmu-miR-664-5p	150
mmu_circ_0000547	mmu-miR-3064-5p	157
mmu_circ_0000547	mmu-miR-3078-3p	152
mmu_circ_0000547	mmu-miR-3085-3p	145
mmu_circ_0000547	mmu-miR-3104-5p	148
mmu_circ_0000547	mmu-miR-3112-5p	140
mmu_circ_0000547	mmu-miR-3113-5p	149
mmu_circ_0000547	mmu-miR-5114	146
mmu_circ_0000547	mmu-miR-3572-3p	144
mmu_circ_0000547	mmu-miR-5620-3p	152
mmu_circ_0000547	mmu-miR-5627-3p	154
mmu_circ_0000547	mmu-miR-6387	152
mmu_circ_0000547	mmu-miR-6911-5p	161
mmu_circ_0000547	mmu-miR-6911-3p	145
mmu_circ_0000547	mmu-miR-6914-3p	156
mmu_circ_0000547	mmu-miR-6918-3p	142
mmu_circ_0000547	mmu-miR-6927-5p	145
mmu_circ_0000547	mmu-miR-6938-3p	156
mmu_circ_0000547	mmu-miR-6950-5p	152
mmu_circ_0000547	mmu-miR-6968-5p	163
mmu_circ_0000547	mmu-miR-6972-5p	149
mmu_circ_0000547	mmu-miR-6990-3p	142
mmu_circ_0000547	mmu-miR-7010-3p	166
mmu_circ_0000547	mmu-miR-7013-3p	168
mmu_circ_0000547	mmu-miR-7014-5p	140
mmu_circ_0000547	mmu-miR-7020-3p	147
mmu_circ_0000547	mmu-miR-7028-5p	175
mmu_circ_0000547	mmu-miR-7033-5p	152
mmu_circ_0000547	mmu-miR-7035-3p	148
mmu_circ_0000547	mmu-miR-7041-3p	156
mmu_circ_0000547	mmu-miR-7051-5p	145
mmu_circ_0000547	mmu-miR-6769b-5p	142
mmu_circ_0000547	mmu-miR-7070-5p	144
mmu_circ_0000547	mmu-miR-7079-5p	154
mmu_circ_0000547	mmu-miR-7081-3p	142
mmu_circ_0000547	mmu-miR-7085-3p	145
mmu_circ_0000547	mmu-miR-7094b-2-5p	145
mmu_circ_0000547	mmu-miR-7222-3p	140
mmu_circ_0000547	mmu-miR-7237-3p	143

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0000547	mmu-miR-6546-5p	157
mmu_circ_0000547	mmu-miR-7650-5p	140
mmu_circ_0000547	mmu-miR-7662-5p	168
mmu_circ_0000547	mmu-miR-7681-5p	152
mmu_circ_0000547	mmu-miR-1258-5p	141
mmu_circ_0000547	mmu-miR-9769-3p	151
mmu_circ_0000547	mmu-miR-203b-5p	149
mmu_circ_0001058	mmu-miR-134-5p	146
mmu_circ_0001058	mmu-miR-138-2-3p	155
mmu_circ_0001058	mmu-miR-146a-3p	150
mmu_circ_0001058	mmu-miR-143-3p	157
mmu_circ_0001058	mmu-miR-103-1-5p	153
mmu_circ_0001058	mmu-miR-103-2-5p	153
mmu_circ_0001058	mmu-miR-325-5p	149
mmu_circ_0001058	mmu-miR-107-5p	149
mmu_circ_0001058	mmu-miR-218-1-3p	148
mmu_circ_0001058	mmu-miR-320-3p	147
mmu_circ_0001058	mmu-miR-135a-2-3p	147
mmu_circ_0001058	mmu-miR-377-5p	140
mmu_circ_0001058	mmu-miR-133b-5p	142
mmu_circ_0001058	mmu-miR-532-5p	148
mmu_circ_0001058	mmu-miR-541-5p	160
mmu_circ_0001058	mmu-miR-547-5p	153
mmu_circ_0001058	mmu-miR-547-3p	140
mmu_circ_0001058	mmu-miR-672-5p	157
mmu_circ_0001058	mmu-miR-712-5p	148
mmu_circ_0001058	mmu-miR-743a-5p	147
mmu_circ_0001058	mmu-miR-871-5p	144
mmu_circ_0001058	mmu-miR-883a-5p	144
mmu_circ_0001058	mmu-miR-327	148
mmu_circ_0001058	mmu-miR-511-5p	142
mmu_circ_0001058	mmu-miR-582-3p	140
mmu_circ_0001058	mmu-miR-1933-3p	146
mmu_circ_0001058	mmu-miR-1954	146
mmu_circ_0001058	mmu-miR-1968-5p	165
mmu_circ_0001058	mmu-miR-3082-3p	144
mmu_circ_0001058	mmu-miR-3085-5p	158
mmu_circ_0001058	mmu-miR-5107-3p	151
mmu_circ_0001058	mmu-miR-5626-3p	151
mmu_circ_0001058	mmu-miR-6339	158
mmu_circ_0001058	mmu-miR-21b	162
mmu_circ_0001058	mmu-miR-6386	147
mmu_circ_0001058	mmu-miR-6400	148
mmu_circ_0001058	mmu-miR-6402	150
mmu_circ_0001058	mmu-miR-496b	158
mmu_circ_0001058	mmu-miR-6541	143
mmu_circ_0001058	mmu-miR-6896-5p	162
mmu_circ_0001058	mmu-miR-6905-3p	149
mmu_circ_0001058	mmu-miR-6910-3p	141
mmu_circ_0001058	mmu-miR-6929-3p	150
mmu_circ_0001058	mmu-miR-6958-3p	145
mmu_circ_0001058	mmu-miR-6962-5p	143
mmu_circ_0001058	mmu-miR-6988-5p	150
mmu_circ_0001058	mmu-miR-6990-5p	157
mmu_circ_0001058	mmu-miR-6996-5p	141
mmu_circ_0001058	mmu-miR-7032-5p	148

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0001058	mmu-miR-7040-3p	140
mmu_circ_0001058	mmu-miR-7049-5p	148
mmu_circ_0001058	mmu-miR-7051-5p	149
mmu_circ_0001058	mmu-miR-7218-3p	165
mmu_circ_0001058	mmu-miR-7649-5p	159
mmu_circ_0001058	mmu-miR-7686-5p	148
mmu_circ_0001058	mmu-miR-12186-3p	142
mmu_circ_0001058	mmu-miR-12187-3p	148
mmu_circ_0001058	mmu-miR-122b-3p	151
mmu_circ_0001058	mmu-miR-12193-5p	165
mmu_circ_0001058	mmu-miR-12201-3p	167
novel_circ_0009344	mmu-miR-29b-3p	153
novel_circ_0009344	mmu-miR-148a-5p	147
novel_circ_0009344	mmu-miR-21a-3p	157
novel_circ_0009344	mmu-miR-29a-3p	156
novel_circ_0009344	mmu-miR-29c-3p	152
novel_circ_0009344	mmu-miR-103-3p	146
novel_circ_0009344	mmu-miR-148b-5p	155
novel_circ_0009344	mmu-miR-338-3p	154
novel_circ_0009344	mmu-miR-107-3p	146
novel_circ_0009344	mmu-miR-380-3p	152
novel_circ_0009344	mmu-miR-425-3p	142
novel_circ_0009344	mmu-miR-450a-1-3p	155
novel_circ_0009344	mmu-miR-485-3p	149
novel_circ_0009344	mmu-miR-3058-3p	145
novel_circ_0009344	mmu-miR-677-3p	149
novel_circ_0009344	mmu-miR-450b-3p	153
novel_circ_0009344	mmu-miR-742-3p	152
novel_circ_0009344	mmu-miR-883a-3p	147
novel_circ_0009344	mmu-miR-883b-3p	154
novel_circ_0009344	mmu-miR-421-3p	147
novel_circ_0009344	mmu-miR-3079-5p	152
novel_circ_0009344	mmu-miR-3084-3p	157
novel_circ_0009344	mmu-miR-3100-5p	149
novel_circ_0009344	mmu-miR-3473c	145
novel_circ_0009344	mmu-miR-5626-3p	149
novel_circ_0009344	mmu-miR-6344	151
novel_circ_0009344	mmu-miR-6352	155
novel_circ_0009344	mmu-miR-6402	145
novel_circ_0009344	mmu-miR-6411	146
novel_circ_0009344	mmu-miR-6896-3p	151
novel_circ_0009344	mmu-miR-6938-5p	146
novel_circ_0009344	mmu-miR-6962-3p	140
novel_circ_0009344	mmu-miR-6974-3p	158
novel_circ_0009344	mmu-miR-7024-3p	144
novel_circ_0009344	mmu-miR-7054-3p	145
novel_circ_0009344	mmu-miR-7241-5p	145
novel_circ_0009344	mmu-miR-7649-3p	145
novel_circ_0009344	mmu-miR-7665-3p	145
novel_circ_0009344	mmu-miR-7681-5p	148
novel_circ_0009344	mmu-miR-12184-5p	145
novel_circ_0008273	mmu-miR-873a-5p	146
novel_circ_0008273	mmu-miR-1946a	142
novel_circ_0008273	mmu-miR-3078-5p	147
novel_circ_0008273	mmu-miR-3098-3p	154
novel_circ_0008273	mmu-miR-3102-3p.2-3p	153

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
novel_circ_0008273	mmu-miR-6343	143
novel_circ_0008273	mmu-miR-6354	145
novel_circ_0008273	mmu-miR-6370	152
novel_circ_0008273	mmu-miR-378d	146
novel_circ_0008273	mmu-miR-6919-3p	150
novel_circ_0008273	mmu-miR-6930-3p	147
novel_circ_0008273	mmu-miR-6934-3p	145
novel_circ_0008273	mmu-miR-7049-5p	152
novel_circ_0008273	mmu-miR-7220-3p	152
novel_circ_0008273	mmu-miR-8094	149
novel_circ_0008273	mmu-miR-12181-3p	159
novel_circ_0004285	mmu-miR-136-5p	146
novel_circ_0004285	mmu-miR-191-3p	144
novel_circ_0004285	mmu-miR-294-5p	161
novel_circ_0004285	mmu-miR-298-3p	151
novel_circ_0004285	mmu-miR-326-5p	144
novel_circ_0004285	mmu-miR-451a	140
novel_circ_0004285	mmu-miR-486a-3p	152
novel_circ_0004285	mmu-miR-367-5p	146
novel_circ_0004285	mmu-miR-666-3p	150
novel_circ_0004285	mmu-miR-682	145
novel_circ_0004285	mmu-miR-883a-3p	153
novel_circ_0004285	mmu-miR-883b-3p	145
novel_circ_0004285	mmu-miR-1199-5p	149
novel_circ_0004285	mmu-miR-1930-5p	142
novel_circ_0004285	mmu-miR-1954	140
novel_circ_0004285	mmu-miR-1968-5p	177
novel_circ_0004285	mmu-miR-3064-5p	161
novel_circ_0004285	mmu-miR-3085-3p	154
novel_circ_0004285	mmu-miR-3094-5p	154
novel_circ_0004285	mmu-miR-486b-3p	151
novel_circ_0004285	mmu-miR-5119	158
novel_circ_0004285	mmu-miR-5120	150
novel_circ_0004285	mmu-miR-5125	154
novel_circ_0004285	mmu-miR-5623-5p	160
novel_circ_0004285	mmu-miR-6917-5p	166
novel_circ_0004285	mmu-miR-6918-3p	160
novel_circ_0004285	mmu-miR-6919-3p	144
novel_circ_0004285	mmu-miR-6943-3p	150
novel_circ_0004285	mmu-miR-6954-5p	148
novel_circ_0004285	mmu-miR-6958-3p	141
novel_circ_0004285	mmu-miR-6960-5p	141
novel_circ_0004285	mmu-miR-7011-3p	161
novel_circ_0004285	mmu-miR-7016-3p	164
novel_circ_0004285	mmu-miR-7038-5p	148
novel_circ_0004285	mmu-miR-7093-5p	140
novel_circ_0004285	mmu-miR-7242-3p	149
novel_circ_0004285	mmu-miR-292b-5p	146
novel_circ_0004285	mmu-miR-7686-5p	149
novel_circ_0004285	mmu-miR-8104	143
novel_circ_0004285	mmu-miR-12186-3p	140
novel_circ_0004285	mmu-miR-12201-3p	149
novel_circ_0000824	mmu-miR-27b-5p	150
novel_circ_0000824	mmu-miR-128-1-5p	148
novel_circ_0000824	mmu-miR-149-3p	167
novel_circ_0000824	mmu-miR-151-5p	144

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
novel_circ_0000824	mmu-miR-300-5p	147
novel_circ_0000824	mmu-miR-328-3p	162
novel_circ_0000824	mmu-miR-320-5p	145
novel_circ_0000824	mmu-miR-128-2-5p	154
novel_circ_0000824	mmu-miR-378a-3p	143
novel_circ_0000824	mmu-miR-452-3p	151
novel_circ_0000824	mmu-miR-677-5p	149
novel_circ_0000824	mmu-miR-677-3p	151
novel_circ_0000824	mmu-miR-423-5p	169
novel_circ_0000824	mmu-miR-742-3p	143
novel_circ_0000824	mmu-miR-509-5p	152
novel_circ_0000824	mmu-miR-574-5p	148
novel_circ_0000824	mmu-miR-1903	148
novel_circ_0000824	mmu-miR-1933-3p	153
novel_circ_0000824	mmu-miR-1943-5p	151
novel_circ_0000824	mmu-miR-3060-5p	141
novel_circ_0000824	mmu-miR-3073a-3p	146
novel_circ_0000824	mmu-miR-5112	143
novel_circ_0000824	mmu-miR-5125	140
novel_circ_0000824	mmu-miR-5617-3p	157
novel_circ_0000824	mmu-miR-5627-3p	166
novel_circ_0000824	mmu-miR-378c	143
novel_circ_0000824	mmu-miR-6391	140
novel_circ_0000824	mmu-miR-6395	156
novel_circ_0000824	mmu-miR-6903-3p	144
novel_circ_0000824	mmu-miR-6921-5p	152
novel_circ_0000824	mmu-miR-6933-5p	156
novel_circ_0000824	mmu-miR-6944-3p	145
novel_circ_0000824	mmu-miR-6948-3p	141
novel_circ_0000824	mmu-miR-6967-5p	147
novel_circ_0000824	mmu-miR-7016-5p	161
novel_circ_0000824	mmu-miR-7025-5p	163
novel_circ_0000824	mmu-miR-7028-3p	140
novel_circ_0000824	mmu-miR-7033-5p	157
novel_circ_0000824	mmu-miR-7040-3p	141
novel_circ_0000824	mmu-miR-7050-3p	142
novel_circ_0000824	mmu-miR-7090-5p	152
novel_circ_0000824	mmu-miR-7094-1-5p	159
novel_circ_0000824	mmu-miR-7117-3p	155
novel_circ_0000824	mmu-miR-7220-5p	146
novel_circ_0000824	mmu-miR-7226-5p	155
novel_circ_0000824	mmu-miR-7232-3p	152
novel_circ_0000824	mmu-miR-7578	146
novel_circ_0000824	mmu-miR-219b-5p	142
novel_circ_0000824	mmu-miR-7671-5p	140
novel_circ_0000824	mmu-miR-465d-3p	156
novel_circ_0000824	mmu-miR-7685-3p	150
novel_circ_0000824	mmu-miR-8105	150
novel_circ_0000824	mmu-miR-9768-5p	151
novel_circ_0000824	mmu-miR-12183-5p	146
novel_circ_0000824	mmu-miR-12202-3p	140
mmu_circ_0001625	mmu-miR-135a-1-3p	154
mmu_circ_0001625	mmu-miR-154-3p	142
mmu_circ_0001625	mmu-miR-10b-5p	145
mmu_circ_0001625	mmu-miR-185-3p	141
mmu_circ_0001625	mmu-miR-207	147

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0001625	mmu-miR-22-3p	154
mmu_circ_0001625	mmu-miR-10a-5p	150
mmu_circ_0001625	mmu-miR-218-1-3p	151
mmu_circ_0001625	mmu-miR-384-3p	148
mmu_circ_0001625	mmu-miR-433-3p	146
mmu_circ_0001625	mmu-miR-452-3p	140
mmu_circ_0001625	mmu-miR-551b-5p	150
mmu_circ_0001625	mmu-miR-673-5p	145
mmu_circ_0001625	mmu-miR-684	144
mmu_circ_0001625	mmu-miR-504-5p	145
mmu_circ_0001625	mmu-miR-1190	147
mmu_circ_0001625	mmu-miR-1903	149
mmu_circ_0001625	mmu-miR-1896	158
mmu_circ_0001625	mmu-miR-1934-3p	146
mmu_circ_0001625	mmu-miR-1949	156
mmu_circ_0001625	mmu-miR-1968-5p	157
mmu_circ_0001625	mmu-miR-664-3p	165
mmu_circ_0001625	mmu-miR-3065-3p	149
mmu_circ_0001625	mmu-miR-3076-3p	155
mmu_circ_0001625	mmu-miR-3084-3p	147
mmu_circ_0001625	mmu-miR-3074-2-3p	155
mmu_circ_0001625	mmu-miR-3470b	150
mmu_circ_0001625	mmu-miR-3966	147
mmu_circ_0001625	mmu-miR-5112	147
mmu_circ_0001625	mmu-miR-5133	158
mmu_circ_0001625	mmu-miR-6337	154
mmu_circ_0001625	mmu-miR-496b	156
mmu_circ_0001625	mmu-miR-6898-3p	143
mmu_circ_0001625	mmu-miR-6900-5p	151
mmu_circ_0001625	mmu-miR-6911-5p	142
mmu_circ_0001625	mmu-miR-6923-5p	148
mmu_circ_0001625	mmu-miR-6938-5p	148
mmu_circ_0001625	mmu-miR-6960-5p	143
mmu_circ_0001625	mmu-miR-6963-3p	146
mmu_circ_0001625	mmu-miR-6985-3p	145
mmu_circ_0001625	mmu-miR-6998-3p	141
mmu_circ_0001625	mmu-miR-7016-3p	145
mmu_circ_0001625	mmu-miR-7028-5p	144
mmu_circ_0001625	mmu-miR-7048-5p	147
mmu_circ_0001625	mmu-miR-7079-5p	161
mmu_circ_0001625	mmu-miR-7079-3p	150
mmu_circ_0001625	mmu-miR-7093-5p	145
mmu_circ_0001625	mmu-miR-7214-5p	169
mmu_circ_0001625	mmu-miR-7227-5p	152
mmu_circ_0001625	mmu-miR-7232-5p	153
mmu_circ_0001625	mmu-miR-7652-5p	155
mmu_circ_0001625	mmu-miR-7662-5p	159
mmu_circ_0001625	mmu-miR-7681-3p	158
mmu_circ_0001625	mmu-miR-8104	140
mmu_circ_0001625	mmu-miR-8118	150
mmu_circ_0001625	mmu-miR-9768-3p	140
mmu_circ_0001625	mmu-miR-12180-3p	146
mmu_circ_0001625	mmu-miR-12183-5p	145
mmu_circ_0001625	mmu-miR-12186-3p	141
mmu_circ_0001625	mmu-miR-3083b-3p	146
mmu_circ_0001625	mmu-miR-3473h-5p	153

Table SII. Continued.

CircRNA	Predicted target miRNA	Predicted binding score
mmu_circ_0000431	mmu-miR-15b-3p	143
mmu_circ_0000431	mmu-miR-142a-3p	154
mmu_circ_0000431	mmu-miR-291a-5p	151
mmu_circ_0000431	mmu-miR-26b-3p	144
mmu_circ_0000431	mmu-miR-103-1-5p	145
mmu_circ_0000431	mmu-miR-103-2-5p	145
mmu_circ_0000431	mmu-miR-339-3p	141
mmu_circ_0000431	mmu-miR-107-5p	149
mmu_circ_0000431	mmu-miR-214-3p	140
mmu_circ_0000431	mmu-miR-218-5p	140
mmu_circ_0000431	mmu-miR-320-5p	163
mmu_circ_0000431	mmu-miR-26a-2-3p	153
mmu_circ_0000431	mmu-miR-291b-5p	151
mmu_circ_0000431	mmu-miR-667-5p	140
mmu_circ_0000431	mmu-miR-761	146
mmu_circ_0000431	mmu-miR-759	152
mmu_circ_0000431	mmu-miR-743b-5p	152
mmu_circ_0000431	mmu-miR-874-3p	146
mmu_circ_0000431	mmu-miR-327	148
mmu_circ_0000431	mmu-miR-1948-3p	145
mmu_circ_0000431	mmu-miR-1952	140
mmu_circ_0000431	mmu-miR-3085-5p	144
mmu_circ_0000431	mmu-miR-5112	144
mmu_circ_0000431	mmu-miR-5709-3p	164
mmu_circ_0000431	mmu-miR-6354	145
mmu_circ_0000431	mmu-miR-6408	143
mmu_circ_0000431	mmu-miR-6411	150
mmu_circ_0000431	mmu-miR-6899-5p	162
mmu_circ_0000431	mmu-miR-6901-3p	142
mmu_circ_0000431	mmu-miR-6918-3p	148
mmu_circ_0000431	mmu-miR-6932-3p	149
mmu_circ_0000431	mmu-miR-6948-5p	150
mmu_circ_0000431	mmu-miR-6957-3p	149
mmu_circ_0000431	mmu-miR-6965-3p	140
mmu_circ_0000431	mmu-miR-6993-3p	152
mmu_circ_0000431	mmu-miR-7002-3p	145
mmu_circ_0000431	mmu-miR-7008-3p	153
mmu_circ_0000431	mmu-miR-7014-5p	155
mmu_circ_0000431	mmu-miR-7017-5p	152
mmu_circ_0000431	mmu-miR-7028-3p	151
mmu_circ_0000431	mmu-miR-7039-3p	145
mmu_circ_0000431	mmu-miR-7044-3p	164
mmu_circ_0000431	mmu-miR-7049-3p	147
mmu_circ_0000431	mmu-miR-7075-3p	142
mmu_circ_0000431	mmu-miR-7090-5p	157
mmu_circ_0000431	mmu-miR-7221-5p	152
mmu_circ_0000431	mmu-miR-7660-5p	156
mmu_circ_0000431	mmu-miR-7666-3p	159
mmu_circ_0000431	mmu-miR-7675-3p	156
mmu_circ_0000431	mmu-miR-12178-5p	157
mmu_circ_0000431	mmu-miR-12181-5p	147
mmu_circ_0000431	mmu-miR-12187-3p	150
mmu_circ_0000431	mmu-miR-12202-3p	161

The binding scores were predicted by miRanda version 3.3a. miRNA, microRNA; circRNA, circular RNA.