

**Supplementary Table 2.** The top 10 up-regulated circular RNAs were screened by the high throughput circular RNA sequencing.

Circular RNA ID	Log <sub>2</sub> (fold change)	Regulation	P value
novel_circ_0024633	8.5671	up	0.0000000062
hsa_circ_0027093	6.3252	up	0.00015324
hsa_circ_0005729	6.1217	up	0.00027597
novel_circ_0026113	5.6492	up	0.00088732
novel_circ_0026101	5.5271	up	0.0014885
hsa_circ_0001911	5.0895	up	0.0043225
novel_circ_0014681	5.081	up	0.0039639
hsa_circ_0002237	4.9485	up	0.0057519
novel_circ_0005987	4.7661	up	0.0079403
novel_circ_0030363	4.7327	up	0.0092749