

Supplementary Table 5. Differentially expressed circRNAs between the control group and the C

circRNA	<i>P</i> value	Fold change	pressi	circRNA	<i>P</i> value
hsa_circ_0138686_CBC1	0.037516	2.457221638	up	hsa_circ_0098435_CBC1	0.006391
hsa_circ_0080942_CBC1	0.025001	2.131614051	up	hsa-circRNA11117-80_CB	0.000136
hsa_circ_0078270_CBC1	0.030017	2.042501174	up	hsa-circRNA5535-24_CBC	0.003857
hsa_circ_0054661_CBC1	0.038945	2.004446133	up	hsa_circ_0088069_CBC1	6.55E-05
hsa_circ_0135536_CBC1	0.023562	2.27326352	up	hsa_circ_0000356_CBC1	0.002924
hsa_circ_0114632_CBC1	0.032858	2.085818711	up	hsa_circ_0024204_CBC1	0.000199
hsa_circ_0056900_CBC1	0.008157	2.160354022	up	hsa_circ_0087384_CBC1	0.000123
hsa_circ_0131949_CBC1	0.006437	2.246752874	up	hsa-circRNA8998-9_CBC1	0.000386
hsa_circ_0111940_CBC1	0.006948	2.06041675	up	hsa_circ_0122273_CBC1	0.000183
hsa_circ_0118547_CBC1	0.042784	2.158520311	up	hsa_circ_0060745_CBC1	6.14E-06
hsa-circRNA15743-4_CB	0.010097	2.194917963	up	hsa_circ_0103973_CBC1	0.000121
hsa_circ_0125625_CBC1	0.010595	2.10771296	up	hsa_circ_0038475_CBC1	0.001658
hsa_circ_0097141_CBC1	0.011485	2.207058111	up	hsa_circ_0115355_CBC1	6.33E-06
hsa_circ_0081170_CBC1	0.030353	2.229694743	up	hsa_circ_0123377_CBC1	0.000193
hsa_circ_0090968_CBC1	0.025519	2.070129821	up	hsa_circ_0103836_CBC1	0.000469
hsa_circ_0030004_CBC1	0.010153	2.825017898	up	hsa_circ_0057526_CBC1	0.000141
hsa-circRNA10743-8_CB	0.010857	2.229014567	up	hsa_circ_0073207_CBC1	4.97E-05
hsa-circRNA3631-18_CB	0.001789	2.257357411	up	hsa-circRNA14362-13_CB	0.002156
hsa_circ_0101229_CBC1	0.037977	2.049176152	up	hsa_circ_0070427_CBC1	0.00014
hsa_circ_0117746_CBC1	0.022225	2.510302845	up	hsa_circ_0121352_CBC1	0.004453
hsa-circRNA13965-18_CI	0.034778	2.008873893	up	hsa_circ_0114147_CBC1	0.000348
hsa_circ_0020763_CBC1	0.040313	2.020239848	up	hsa-circRNA12505-40_CB	0.00231
hsa_circ_0130545_CBC1	0.00742	2.019785952	up	hsa-circRNA14855-6_CBC	0.002757
hsa_circ_0069996_CBC1	0.012965	2.089976511	up	hsa_circ_0099580_CBC1	3.1E-05
hsa_circ_0065892_CBC1	0.025661	2.272117027	up	hsa_circ_0035988_CBC1	8.72E-06
hsa_circ_0086409_CBC1	0.003263	2.15368752	up	hsa-circRNA1531-98_CBC	0.000401
hsa_circ_0010992_CBC1	0.030201	2.277764171	up	hsa_circ_0002484_CBC1	0.013973
hsa-circRNA5810-8_CBC	0.004125	2.016560074	up	hsa_circ_0135076_CBC1	0.000582
hsa_circ_0130453_CBC1	0.021366	2.191315757	up	hsa-circRNA4388-17_CBC	2.58E-05
hsa_circ_0003358_CBC1	0.00946	2.308178114	up	hsa-circRNA13773-24_CB	6.38E-05
hsa_circ_0047838_CBC1	0.013748	2.174507153	up	hsa_circ_0024656_CBC1	0.029709
hsa_circ_0136710_CBC1	0.016876	2.044303984	up	hsa_circ_0132149_CBC1	7.17E-06
hsa_circ_0128506_CBC1	6.56E-05	3.84520301	up	hsa_circ_0057129_CBC1	0.002241
hsa_circ_0108825_CBC1	0.0141	2.258731381	up	hsa-circRNA6210-8_CBC1	0.000351
hsa_circ_0062841_CBC1	0.012373	2.001355601	up	hsa_circ_0099712_CBC1	8.81E-06
hsa_circ_0058592_CBC1	0.003836	2.268375774	up	hsa-circRNA1531-13_CBC	0.000154
hsa_circ_0112658_CBC1	0.013276	2.22512689	up	hsa_circ_0054814_CBC1	0.000559
hsa_circ_0084597_CBC1	0.011265	2.07143251	up	hsa_circ_0110363_CBC1	3.92E-05
hsa_circ_0112132_CBC1	0.005315	2.532350106	up	hsa_circ_0002949_CBC1	0.002955
hsa_circ_0098274_CBC1	0.035263	2.066235172	up	hsa_circ_0102132_CBC1	0.001446
hsa_circ_0121264_CBC1	0.038796	2.012936728	up	hsa-circRNA674-1_CBC1	0.004227
hsa_circ_0100801_CBC1	0.008996	2.217658449	up	hsa-circRNA14403-46_CB	5.78E-05
hsa_circ_0135779_CBC1	0.021204	2.102934774	up	hsa_circ_0123014_CBC1	0.000131
hsa_circ_0080944_CBC1	0.005813	2.00752245	up	hsa_circ_0103837_CBC1	0.004344
hsa_circ_0121598_CBC1	0.013438	2.200011755	up	hsa_circ_0106578_CBC1	0.000152
hsa_circ_0103926_CBC1	0.000356	2.302039138	up	hsa_circ_0067583_CBC1	2.72E-05
hsa-circRNA1774-11_CB	0.009688	2.0819176	up	hsa_circ_0139212_CBC1	0.00035
hsa_circ_0120277_CBC1	0.013694	2.335242357	up	hsa_circ_0044878_CBC1	0.000354

hsa_circ_0136176_CBC1	0.03199	2.333391091	up	hsa_circ_0070788_CBC1	0.007674
hsa-circRNA15687-10_C1	0.007413	2.310675418	up	hsa_circ_0003080_CBC1	0.001671
hsa-circRNA810-4_CBC1	0.027021	2.284298616	up	hsa_circ_0097983_CBC1	2.68E-06
hsa_circ_0132345_CBC1	0.009639	2.82734307	up	hsa_circ_0124963_CBC1	0.000484
hsa_circ_0139087_CBC1	0.048361	2.069242228	up	hsa_circ_0027949_CBC1	0.002241
hsa-circRNA5666-2_CBC	0.038909	2.038713328	up	hsa-circRNA4390-495_CB	0.000245
hsa_circ_0118755_CBC1	0.003173	2.347769138	up	hsa-circRNA10051-8_CBC	0.003895
hsa_circ_0126920_CBC1	0.024063	2.166057445	up	hsa_circ_0083544_CBC1	0.001637
hsa_circ_0080943_CBC1	0.032578	2.141446413	up	hsa_circ_0004280_CBC1	5.83E-05
hsa_circ_0127202_CBC1	0.013898	2.161906468	up	hsa_circ_0076403_CBC1	0.000248
hsa_circ_0092546_CBC1	0.007745	2.180292662	up	hsa_circ_0083708_CBC1	0.000503
hsa_circ_0050079_CBC1	0.045418	2.187972645	up	hsa_circ_0020041_CBC1	0.000116
hsa_circ_0070556_CBC1	0.006204	2.024817364	up	hsa_circ_0070593_CBC1	0.00126
hsa_circ_0051649_CBC1	0.006422	2.166692294	up	hsa_circ_0120834_CBC1	0.012721
hsa-circRNA7472-13_CB	0.024194	2.216005922	up	hsa_circ_0120951_CBC1	1.87E-05
hsa_circ_0124695_CBC1	0.007272	2.348275161	up	hsa-circRNA7984-27_CBC	8.36E-05
hsa_circ_0036671_CBC1	0.02749	2.020253826	up	hsa_circ_0107937_CBC1	0.003114
hsa_circ_0108742_CBC1	0.00191	2.158743823	up	hsa_circ_0036829_CBC1	0.000239
hsa_circ_0054129_CBC1	0.002008	2.391255853	up	hsa_circ_0056401_CBC1	0.000243
hsa_circ_0134275_CBC1	0.001597	2.016751153	up	hsa_circ_0127352_CBC1	7.42E-05
hsa-circRNA5388-5_CBC	0.011391	2.374994218	up	hsa_circ_0085163_CBC1	1.43E-05
hsa_circ_0051301_CBC1	0.005651	2.036921812	up	hsa_circ_0063769_CBC1	1.09E-05
hsa_circ_0121032_CBC1	0.004016	2.004347358	up	hsa-circRNA2727-77_CBC	0.000125
hsa-circRNA738-24_CBC	0.009609	2.144701264	up	hsa-circRNA7522-40_CBC	0.002448
hsa-circRNA11762-3_CB	0.003827	2.153521232	up	hsa_circ_0027852_CBC1	0.000313
hsa_circ_0112450_CBC1	0.002244	2.056359475	up	hsa_circ_0081885_CBC1	0.000198
hsa_circ_0100529_CBC1	0.012466	2.260037374	up	hsa-circRNA7047-8_CBC1	0.000216
hsa_circ_0119053_CBC1	0.013086	2.201852894	up	hsa_circ_0139952_CBC1	0.003061
hsa-circRNA8675-6_CBC	0.015115	2.3487289	up	hsa_circ_0060234_CBC1	0.005927
hsa_circ_0067167_CBC1	0.030241	2.212127516	up	hsa_circ_0036835_CBC1	6.89E-05
hsa_circ_0113687_CBC1	0.014041	2.0038469	up	hsa-circRNA2177-25_CBC	4.94E-06
hsa_circ_0115681_CBC1	0.01503	2.369398822	up	hsa_circ_0099523_CBC1	8.61E-05
hsa_circ_0007124_CBC1	0.014302	2.03711846	up	hsa_circ_0100155_CBC1	0.002804
hsa_circ_0052031_CBC1	0.022664	2.440678032	up	hsa_circ_0054355_CBC1	0.000169
hsa_circ_0045664_CBC1	0.032448	2.020940754	up	hsa_circ_0094980_CBC1	2.29E-05
hsa_circ_0015868_CBC1	0.001527	3.035904315	up	hsa_circ_0053617_CBC1	0.009165
hsa_circ_0113733_CBC1	0.025967	2.272473408	up	hsa_circ_0047015_CBC1	0.00036
hsa_circ_0048859_CBC1	0.034043	2.301373718	up	hsa_circ_0114050_CBC1	0.000532
hsa_circ_0135503_CBC1	0.006219	2.740588928	up	hsa-circRNA14362-12_CB	0.00224
hsa_circ_0016127_CBC1	0.005384	2.061129362	up	hsa_circ_0073202_CBC1	3.68E-06
hsa_circ_0088218_CBC1	3.35E-05	2.549821756	up	hsa-circRNA6055-11_CBC	6.29E-05
hsa_circ_0033063_CBC1	0.041923	2.13947821	up	hsa_circ_0023761_CBC1	5.58E-06
hsa_circ_0022117_CBC1	0.039917	2.022490997	up	hsa_circ_0071857_CBC1	1.56E-05
hsa_circ_0109064_CBC1	0.028694	2.110566427	up	hsa_circ_0047016_CBC1	5.55E-05
hsa_circ_0122315_CBC1	0.012306	2.359217798	up	hsa_circ_0127004_CBC1	4.61E-05
hsa_circ_0052919_CBC1	0.040994	2.023593792	up	hsa_circ_0074832_CBC1	6.14E-06
hsa_circ_0127835_CBC1	0.004418	2.393441977	up	hsa_circ_0037890_CBC1	2.45E-05
hsa-circRNA13490-1_CB	0.005054	2.264699139	up	hsa_circ_0034349_CBC1	2.98E-05
hsa_circ_0134595_CBC1	0.012974	2.135220992	up	hsa-circRNA4625-11_CBC	0.000708
hsa_circ_0030875_CBC1	0.017071	2.183133815	up	hsa_circ_0116057_CBC1	0.000216

hsa-circRNA937-5_CBC1	0.026366	2.129753638	up	hsa-circRNA1958-2_CBC1	0.000346
hsa_circ_0085171_CBC1	0.011725	2.517221011	up	hsa_circ_0096148_CBC1	0.000919
hsa_circ_0094789_CBC1	0.045336	2.034995124	up	hsa-circRNA7370-10_CBC	0.00126
hsa_circ_0126469_CBC1	0.025543	2.505035461	up	hsa_circ_0023785_CBC1	1.5E-05
hsa_circ_0043081_CBC1	0.000188	2.174987993	up	hsa_circ_0085080_CBC1	0.000474
hsa-circRNA1257-26_CB	0.011864	2.266796227	up	hsa_circ_0094291_CBC1	0.001149
hsa_circ_0036261_CBC1	0.007213	2.173369882	up	hsa-circRNA2283-24_CBC	0.001074
hsa_circ_0124389_CBC1	0.002373	2.391965361	up	hsa_circ_0126845_CBC1	2.39E-05
hsa_circ_0052283_CBC1	0.025509	2.234781166	up	hsa_circ_0084571_CBC1	0.000663
hsa_circ_0077059_CBC1	0.031557	2.104684852	up	hsa_circ_0066092_CBC1	0.000102
hsa_circ_0068087_CBC1	0.019508	2.602253018	up	hsa_circ_0129399_CBC1	0.000701
hsa_circ_0104691_CBC1	0.036554	2.102709224	up	hsa_circ_0037901_CBC1	0.006584
hsa-circRNA419_CBC1	0.042356	2.376480781	up	hsa_circ_0031567_CBC1	0.000661
hsa_circ_0018423_CBC1	0.003725	2.271077659	up	hsa_circ_0118038_CBC1	3.31E-05
hsa_circ_0101693_CBC1	0.006342	2.038963206	up	hsa_circ_0091373_CBC1	9.42E-05
hsa_circ_0139740_CBC1	0.006652	2.544312672	up	hsa_circ_0000992_CBC1	0.000779
hsa_circ_0094984_CBC1	0.028432	2.389653021	up	hsa_circ_0025949_CBC1	2.73E-06
hsa_circ_0103602_CBC1	0.004406	2.590943994	up	hsa_circ_0039380_CBC1	9.24E-05
hsa_circ_0130146_CBC1	0.013973	2.48939367	up	hsa_circ_0085445_CBC1	0.012578
hsa-circRNA9831-2_CBC	0.049417	2.548297001	up	hsa-circRNA14512-7_CBC	0.000118
hsa_circ_0077043_CBC1	0.013607	2.273921628	up	hsa_circ_0084851_CBC1	1.15E-05
hsa_circ_0136462_CBC1	0.020745	2.620739762	up	hsa_circ_0016649_CBC1	0.000476
hsa_circ_0125692_CBC1	0.03336	2.170555614	up	hsa_circ_0054815_CBC1	0.000239
hsa_circ_0121546_CBC1	0.027153	2.017377681	up	hsa_circ_0139185_CBC1	0.000146
hsa_circ_0082025_CBC1	0.011077	2.036566661	up	hsa_circ_0018461_CBC1	0.001894
hsa_circ_0041829_CBC1	0.006884	2.138283818	up	hsa_circ_0118407_CBC1	0.001309
hsa_circ_0077770_CBC1	0.006246	2.353888721	up	hsa_circ_0119317_CBC1	0.000825
hsa-circRNA9191-11_CB	0.021367	2.017414391	up	hsa_circ_0005684_CBC1	0.000225
hsa_circ_0094525_CBC1	0.035425	2.029849347	up	hsa_circ_0123493_CBC1	0.000194
hsa_circ_0093776_CBC1	0.001059	2.045147257	up	hsa_circ_0078175_CBC1	6.38E-05
hsa_circ_0049995_CBC1	0.042518	3.271669888	up	hsa_circ_0093859_CBC1	4.44E-05
hsa_circ_0065551_CBC1	0.025555	2.045817873	up	hsa_circ_0029810_CBC1	0.00332
hsa_circ_0128772_CBC1	0.002553	2.415633647	up	hsa-circRNA3001-24_CBC	0.000559
hsa_circ_0105923_CBC1	0.017359	2.726549626	up	hsa-circRNA10041-5_CBC	0.001624
hsa_circ_0013052_CBC1	0.014984	2.708728052	up	hsa_circ_0120324_CBC1	0.000202
hsa_circ_0094788_CBC1	0.007114	2.365649731	up	hsa_circ_0125419_CBC1	0.000962
hsa_circ_0020106_CBC1	0.022045	2.487522907	up	hsa_circ_0061746_CBC1	0.000193
hsa-circRNA7758-8_CBC	0.003811	2.12152314	up	hsa_circ_0120865_CBC1	0.000278
hsa_circ_0128511_CBC1	0.021394	2.292293255	up	hsa_circ_0000673_CBC1	6.92E-06
hsa_circ_0130879_CBC1	0.01916	2.108026117	up	hsa_circ_0094904_CBC1	0.000353
hsa_circ_0124636_CBC1	0.002652	3.624474256	up	hsa_circ_0004504_CBC1	5.2E-06
hsa_circ_0043352_CBC1	0.022079	2.033570731	up	hsa_circ_0038535_CBC1	0.000755
hsa_circ_0017817_CBC1	0.036583	2.416567981	up	hsa_circ_0027350_CBC1	0.0024
hsa-circRNA15056-1_CB	0.005927	2.340763014	up	hsa-circRNA12419-20_CB	0.000576
hsa_circ_0099638_CBC1	0.045337	2.16158746	up	hsa-circRNA14096-17_CB	6.66E-05
hsa_circ_0081166_CBC1	0.011066	2.25765728	up	hsa_circ_0073036_CBC1	5.35E-06
hsa-circRNA3444-3_CBC	0.046581	4.858916733	up	hsa-circRNA11549_CBC1	1.46E-05
hsa_circ_0133392_CBC1	0.026069	2.313460441	up	hsa_circ_0033118_CBC1	5.54E-06
hsa-circRNA1257-28_CB	0.001075	2.059909327	up	hsa_circ_0134682_CBC1	0.002026
hsa_circ_0096927_CBC1	0.003794	2.203603976	up	hsa-circRNA10231-5_CBC	0.003795

hsa_circ_0130317_CBC1	0.036434	2.041303416	up	hsa_circ_0006347_CBC1	0.000747
hsa_circ_0133199_CBC1	0.01082	2.076578538	up	hsa_circ_0021570_CBC1	0.001361
hsa_circ_0108320_CBC1	0.016621	2.321140296	up	hsa_circ_0074770_CBC1	9.39E-05
hsa_circ_0003823_CBC1	0.005709	2.23196221	up	hsa_circ_0068362_CBC1	0.002259
hsa_circ_0054633_CBC1	0.02421	2.39232328	up	hsa-circRNA5607-16_CBC	0.000176
hsa_circ_0114299_CBC1	0.007527	2.935267274	up	hsa-circRNA12483-38_CB	0.002083
hsa_circ_0106442_CBC1	0.040819	2.25845556	up	hsa_circ_0058526_CBC1	3.45E-05
hsa_circ_0104096_CBC1	0.00824	2.34807209	up	hsa_circ_0068647_CBC1	5.19E-05
hsa_circ_0116657_CBC1	0.010361	3.360935759	up	hsa-circRNA9065-6_CBC1	0.002454
hsa_circ_0082198_CBC1	0.004657	2.033175171	up	hsa_circ_0030737_CBC1	1.34E-05
hsa-circRNA3646-4_CBC	0.003207	2.609937356	up	hsa_circ_0028009_CBC1	0.000106
hsa_circ_0125318_CBC1	0.034749	2.156058546	up	hsa_circ_0103024_CBC1	8.89E-06
hsa_circ_0115680_CBC1	0.002585	2.171729498	up	hsa-circRNA12910-7_CBC	0.000374
hsa_circ_0050169_CBC1	0.022705	2.762034523	up	hsa-circRNA1607_CBC1	0.01554
hsa_circ_0012576_CBC1	0.011385	2.006924017	up	hsa_circ_0071841_CBC1	0.000122
hsa_circ_0093170_CBC1	0.003905	2.274383147	up	hsa-circRNA15046-31_CB	0.000159
hsa_circ_0121047_CBC1	0.025776	2.084287453	up	hsa_circ_0044890_CBC1	0.001503
hsa_circ_0128590_CBC1	0.004537	2.266476118	up	hsa_circ_0090333_CBC1	0.000246
hsa_circ_0097238_CBC1	0.045967	2.023493012	up	hsa_circ_0006642_CBC1	0.000567
hsa_circ_0103367_CBC1	0.013704	2.394495793	up	hsa-circRNA10199-1_CBC	0.000105
hsa_circ_0039350_CBC1	0.023867	2.147567551	up	hsa_circ_0018987_CBC1	0.000101
hsa_circ_0135532_CBC1	0.002603	2.127057549	up	hsa-circRNA15808-3_CBC	0.000101
hsa_circ_0099825_CBC1	0.003284	2.148653071	up	hsa_circ_0032452_CBC1	0.000202
hsa_circ_0129945_CBC1	0.006027	2.369023058	up	hsa_circ_0094901_CBC1	0.000284
hsa_circ_0107866_CBC1	0.006161	2.084479549	up	hsa_circ_0123376_CBC1	0.000815
hsa_circ_0042350_CBC1	0.029123	2.054351917	up	hsa_circ_0102043_CBC1	0.004493
hsa_circ_0033047_CBC1	0.001261	2.039486622	up	hsa_circ_0111472_CBC1	0.011479
hsa_circ_0133461_CBC1	0.049307	2.022521687	up	hsa_circ_0025311_CBC1	0.003637
hsa_circ_0125611_CBC1	0.012846	2.66736255	up	hsa-circRNA15564-13_CB	1.67E-05
hsa_circ_0100191_CBC1	0.021054	2.033273689	up	hsa_circ_0114307_CBC1	0.001151
hsa-circRNA738-38_CBC	0.006619	2.124164866	up	hsa_circ_0083507_CBC1	5.25E-05
hsa-circRNA5974-1_CBC	0.04641	2.551339259	up	hsa_circ_0012364_CBC1	0.004922
hsa_circ_0134121_CBC1	0.040017	2.021100394	up	hsa_circ_0086460_CBC1	0.001399
hsa_circ_0081576_CBC1	0.001101	2.087026906	up	hsa_circ_0085395_CBC1	0.0002
hsa_circ_0130979_CBC1	0.047164	2.363003503	up	hsa_circ_0055814_CBC1	0.000576
hsa_circ_0017797_CBC1	0.03111	2.021467894	up	hsa_circ_0139170_CBC1	0.000916
hsa_circ_0071320_CBC1	0.010686	2.869320234	up	hsa_circ_0091156_CBC1	5.95E-05
hsa-circRNA7603-4_CBC	0.04684	2.042648646	up	hsa_circ_0028967_CBC1	0.000353
hsa_circ_0108141_CBC1	0.024294	2.328893243	up	hsa-circRNA2354-25_CBC	0.000238
hsa_circ_0061113_CBC1	0.046578	2.359671788	up	hsa-circRNA12505-30_CB	4.45E-05
hsa_circ_0109904_CBC1	0.03724	2.134668555	up	hsa_circ_0057130_CBC1	0.000199
hsa_circ_0099754_CBC1	0.00449	2.02688953	up	hsa_circ_0121278_CBC1	0.00112
hsa_circ_0135570_CBC1	0.014401	2.781049482	up	hsa-circRNA5792-1_CBC1	0.000289
hsa_circ_0093731_CBC1	0.037825	2.371716997	up	hsa_circ_0120344_CBC1	0.00601
hsa_circ_0124644_CBC1	0.002462	2.917810023	up	hsa_circ_0097987_CBC1	0.000113
hsa_circ_0066551_CBC1	0.011399	2.589747616	up	hsa-circRNA7452-8_CBC1	0.000221
hsa_circ_0112670_CBC1	0.016017	2.560227413	up	hsa_circ_0067587_CBC1	4.93E-05
hsa_circ_0105716_CBC1	0.027442	2.624608487	up	hsa_circ_0054762_CBC1	6.81E-05
hsa_circ_0102807_CBC1	0.048679	2.027637529	up	hsa_circ_0114029_CBC1	0.03749
hsa_circ_0101507_CBC1	0.011442	2.252798417	up	hsa-circRNA949-20_CBC1	9.75E-06

hsa_circ_0038621_CBC1	0.006688	2.15044299	up	hsa_circ_0135645_CBC1	0.004373
hsa_circ_0115532_CBC1	0.007061	2.470098264	up	hsa_circ_0017343_CBC1	2.03E-05
hsa_circ_0111609_CBC1	0.029044	2.383621378	up	hsa_circ_0039935_CBC1	0.000218
hsa_circ_0114640_CBC1	0.002623	2.693389156	up	hsa_circ_0025963_CBC1	0.00014
hsa_circ_0111612_CBC1	0.01499	3.01322769	up	hsa_circ_0070596_CBC1	0.000856
hsa_circ_0103221_CBC1	0.033178	2.264954266	up	hsa-circRNA674-12_CBC1	0.000558
hsa_circ_0030880_CBC1	0.013681	2.120874304	up	hsa_circ_0139703_CBC1	0.000334
hsa_circ_0125757_CBC1	0.033033	2.864025456	up	hsa_circ_0054554_CBC1	0.009215
hsa_circ_0105688_CBC1	0.025068	2.274918546	up	hsa_circ_0123595_CBC1	0.000599
hsa_circ_0137191_CBC1	0.019894	2.734793539	up	hsa_circ_0118607_CBC1	0.000444
hsa_circ_0090453_CBC1	0.033321	2.27091081	up	hsa_circ_0125589_CBC1	0.000143
hsa_circ_0110718_CBC1	0.025547	2.147115259	up	hsa_circ_0115373_CBC1	4.33E-05
hsa_circ_0122934_CBC1	0.011969	2.090828514	up	hsa_circ_0124356_CBC1	0.000629
hsa_circ_0015384_CBC1	0.017495	2.333211055	up	hsa_circ_0007762_CBC1	0.00013
hsa_circ_0039459_CBC1	0.043919	2.00664555	up	hsa_circ_0037041_CBC1	0.000215
hsa_circ_0056636_CBC1	0.002365	2.779909858	up	hsa_circ_0094860_CBC1	0.001202
hsa_circ_0068029_CBC1	0.024451	2.034408246	up	hsa_circ_0130957_CBC1	2.89E-05
hsa_circ_0106460_CBC1	0.004914	3.17911347	up	hsa_circ_0047633_CBC1	0.000135
hsa_circ_0124271_CBC1	0.002834	2.155712384	up	hsa_circ_0053532_CBC1	4.08E-05
hsa_circ_0128184_CBC1	0.002291	2.063926676	up	hsa_circ_0072930_CBC1	5.44E-05
hsa-circRNA1757-5_CBC	0.031303	2.007727174	up	hsa-circRNA3310-95_CBC	0.0003
hsa-circRNA395-11_CBC	0.034351	2.044910787	up	hsa_circ_0038531_CBC1	0.000927
hsa-circRNA14779-7_CB	0.014093	2.080541507	up	hsa_circ_0003241_CBC1	0.000738
hsa_circ_0112622_CBC1	0.002983	2.10100295	up	hsa_circ_0030024_CBC1	0.000131
hsa_circ_0084709_CBC1	0.00095	2.00568577	up	hsa_circ_0015680_CBC1	9.99E-05
hsa_circ_0108597_CBC1	0.011346	2.08066975	up	hsa_circ_0030735_CBC1	0.000543
hsa_circ_0007784_CBC1	0.018172	2.293810227	up	hsa_circ_0127772_CBC1	0.000727
hsa_circ_0006582_CBC1	3.3E-05	2.002523415	up	hsa_circ_0095482_CBC1	0.001531
hsa_circ_0118470_CBC1	0.019017	2.174937748	up	hsa-circRNA5837-43_CBC	0.000116
hsa-circRNA9806-2_CBC	0.007005	2.101925664	up	hsa_circ_0129615_CBC1	1.29E-06
hsa_circ_0122630_CBC1	0.002939	2.033113577	up	hsa-circRNA12505-5_CBC	0.001142
hsa-circRNA738-27_CBC	0.006307	2.214941193	up	hsa-circRNA4388-5_CBC1	0.018469
hsa_circ_0071319_CBC1	0.015596	2.790604315	up	hsa_circ_0001467_CBC1	2.11E-05
hsa_circ_0105702_CBC1	0.025728	2.116697578	up	hsa_circ_0024493_CBC1	4.68E-05
hsa_circ_0049807_CBC1	0.002498	2.164590269	up	hsa_circ_0083037_CBC1	0.002895
hsa_circ_0036459_CBC1	0.009012	2.257265066	up	hsa_circ_0064736_CBC1	0.000632
hsa-circRNA871-8_CBC1	0.024144	2.22247681	up	hsa_circ_0106969_CBC1	0.003474
hsa-circRNA6358-11_CB	0.034413	2.509798055	up	hsa_circ_0126535_CBC1	0.001496
hsa_circ_0069755_CBC1	0.020258	2.223174417	up	hsa_circ_0131682_CBC1	0.000126
hsa_circ_0138095_CBC1	0.030198	2.083855609	up	hsa-circRNA173-24_CBC1	2.93E-05
hsa_circ_0100526_CBC1	0.013356	2.03603926	up	hsa_circ_0066868_CBC1	0.000105
hsa_circ_0120101_CBC1	0.013507	2.443683791	up	hsa_circ_0015806_CBC1	0.000334
hsa-circRNA9151-2_CBC	0.018873	2.765672874	up	hsa_circ_0013616_CBC1	0.00012
hsa_circ_0071290_CBC1	0.012177	2.258705107	up	hsa_circ_0035946_CBC1	0.005349
hsa_circ_0034998_CBC1	0.036073	2.108469666	up	hsa_circ_0116048_CBC1	0.001541
hsa-circRNA4665-38_CB	0.007409	2.067681371	up	hsa_circ_0068646_CBC1	3.38E-05
hsa_circ_0132238_CBC1	0.018574	2.089479737	up	hsa_circ_0023776_CBC1	5.41E-06
hsa-circRNA10699-5_CB	0.030871	2.248062488	up	hsa_circ_0073041_CBC1	3.84E-05
hsa_circ_0048532_CBC1	0.018863	2.124817531	up	hsa_circ_0028966_CBC1	7.84E-05
hsa_circ_0088227_CBC1	0.022586	2.35593763	up	hsa_circ_0092511_CBC1	0.002951

hsa_circ_0133741_CBC1	0.04008	2.015273005	up	hsa_circ_0132142_CBC1	8.44E-05
hsa_circ_0126850_CBC1	0.00038	2.231206096	up	hsa_circ_0053636_CBC1	0.005706
hsa_circ_0049485_CBC1	0.006444	2.370634163	up	hsa_circ_0122174_CBC1	0.000111
hsa_circ_0029121_CBC1	0.001571	2.862706922	up	hsa_circ_0002145_CBC1	0.001246
hsa_circ_0111608_CBC1	0.027769	2.166981304	up	hsa-circRNA11760-7_CBC	0.000219
hsa_circ_0007849_CBC1	0.047095	2.031518929	up	hsa_circ_0039413_CBC1	0.00042
hsa_circ_0097795_CBC1	0.027729	2.142289543	up	hsa_circ_0054373_CBC1	9.94E-05
hsa_circ_0133005_CBC1	0.027733	2.211858361	up	hsa_circ_0019293_CBC1	0.000194
hsa_circ_0085350_CBC1	0.032309	2.18104931	up	hsa_circ_0025979_CBC1	0.000441
hsa_circ_0117313_CBC1	0.017094	2.139726315	up	hsa_circ_0097977_CBC1	7.94E-05
hsa_circ_0080517_CBC1	0.006884	3.155766036	up	hsa_circ_0121647_CBC1	0.000815
hsa_circ_0133638_CBC1	0.016763	2.535744073	up	hsa-circRNA4531-12_CBC	0.001362
hsa_circ_0008602_CBC1	0.016576	2.09415181	up	hsa-circRNA6213-4_CBC1	6.5E-05
hsa_circ_0047442_CBC1	0.028396	2.104809371	up	hsa_circ_0085446_CBC1	0.000361
hsa_circ_0077032_CBC1	0.032658	2.112910832	up	hsa-circRNA5821-19_CBC	3.16E-05
hsa_circ_0082081_CBC1	0.027195	3.016745748	up	hsa_circ_0071222_CBC1	0.000129
hsa_circ_0023363_CBC1	0.042881	2.061538989	up	hsa_circ_0119159_CBC1	0.00076
hsa_circ_0011285_CBC1	0.005211	2.234703044	up	hsa_circ_0067586_CBC1	8.92E-06
hsa_circ_0047479_CBC1	0.00127	3.001692799	up	hsa_circ_0067582_CBC1	0.000184
hsa_circ_0125622_CBC1	0.004426	2.439720045	up	hsa_circ_0053666_CBC1	0.000357
hsa_circ_0009546_CBC1	0.01837	2.004553091	up	hsa_circ_0108949_CBC1	0.029333
hsa_circ_0139072_CBC1	0.012978	2.055386646	up	hsa_circ_0123017_CBC1	6.36E-06
hsa_circ_0111938_CBC1	0.003971	2.193207233	up	hsa-circRNA6924-43_CBC	4.79E-05
hsa_circ_0133505_CBC1	0.025922	2.036039861	up	hsa_circ_0084359_CBC1	0.006058
hsa_circ_0016434_CBC1	0.004463	2.313197041	up	hsa_circ_0089925_CBC1	0.001948
hsa_circ_0131694_CBC1	0.009836	2.253646883	up	hsa_circ_0004501_CBC1	0.000118
hsa_circ_0095667_CBC1	0.019715	2.313252028	up	hsa_circ_0054812_CBC1	0.000349
hsa_circ_0102994_CBC1	0.006038	2.07110109	up	hsa-circRNA173-10_CBC1	0.007592
hsa_circ_0055558_CBC1	0.015927	2.457247427	up	hsa_circ_0052864_CBC1	5.54E-06
hsa_circ_0139110_CBC1	0.028064	2.13514354	up	hsa-circRNA12883-19_CB	7.84E-05
hsa_circ_0032850_CBC1	0.003902	2.14445558	up	hsa_circ_0011209_CBC1	1.5E-05
hsa_circ_0105415_CBC1	0.030657	2.299879984	up	hsa_circ_0120458_CBC1	1.13E-05
hsa_circ_0124405_CBC1	0.02442	2.334788811	up	hsa_circ_0039695_CBC1	0.000369
hsa_circ_0023109_CBC1	0.027567	2.697206984	up	hsa_circ_0102589_CBC1	0.02004
hsa_circ_0068317_CBC1	0.005905	2.008012485	up	hsa_circ_0096940_CBC1	0.002586
hsa_circ_0131721_CBC1	0.012294	2.909919006	up	hsa-circRNA4684-20_CBC	8.56E-05
hsa_circ_0016433_CBC1	0.006706	2.05115801	up	hsa_circ_0095207_CBC1	0.015894
hsa_circ_0132400_CBC1	0.008005	2.165346112	up	hsa-circRNA4625-35_CBC	1.58E-05
hsa_circ_0108852_CBC1	0.009401	2.006614656	up	hsa_circ_0027594_CBC1	0.000147
hsa-circRNA4838-43_CB	0.010477	2.021941447	up	hsa_circ_0125592_CBC1	0.000108
hsa-circRNA10627-1_CB	0.018498	2.451157467	up	hsa-circRNA7019-5_CBC1	0.000686
hsa_circ_0105486_CBC1	0.015841	2.589681243	up	hsa-circRNA12521-28_CB	0.002546
hsa_circ_0123765_CBC1	0.046927	2.064953507	up	hsa_circ_0134170_CBC1	0.002778
hsa_circ_0094278_CBC1	0.022148	2.150061661	up	hsa_circ_0056990_CBC1	0.001913
hsa_circ_0081980_CBC1	0.014526	2.195701154	up	hsa_circ_0083117_CBC1	0.000213
hsa_circ_0021637_CBC1	0.047524	2.266489675	up	hsa-circRNA5861-8_CBC1	0.000527
hsa_circ_0135187_CBC1	0.00535	2.195831651	up	hsa_circ_0114304_CBC1	0.005254
hsa_circ_0105703_CBC1	0.020307	2.056884017	up	hsa_circ_0000846_CBC1	0.000148
hsa_circ_0073319_CBC1	0.007818	2.012398439	up	hsa_circ_0015676_CBC1	0.001387
hsa_circ_0026438_CBC1	0.011505	2.385687704	up	hsa_circ_0096843_CBC1	0.000381

hsa_circ_0105685_CBC1	0.046154	2.065802133	up	hsa_circ_0114428_CBC1	3.36E-06
hsa_circ_0065692_CBC1	0.005905	2.38678283	up	hsa-circRNA4463-3_CBC1	0.000382
hsa_circ_0138119_CBC1	0.029852	2.032524997	up	hsa_circ_0083353_CBC1	0.030013
hsa_circ_0122759_CBC1	0.038747	2.073702008	up	hsa_circ_0057529_CBC1	0.000247
hsa_circ_0054658_CBC1	0.019179	2.603200043	up	hsa_circ_0013318_CBC1	0.002461
hsa_circ_0126672_CBC1	0.040059	2.60454405	up	hsa_circ_0132143_CBC1	1.32E-05
hsa_circ_0090594_CBC1	0.030909	2.492832685	up	hsa_circ_0132153_CBC1	0.000234
hsa_circ_0128827_CBC1	0.022181	2.014279291	up	hsa_circ_0087381_CBC1	6.1E-06
hsa_circ_0085931_CBC1	0.04924	2.162966582	up	hsa-circRNA2287_CBC1	0.001917
hsa-circRNA15183-13_CI	0.016851	2.214637218	up	hsa_circ_0024282_CBC1	0.020172
hsa-circRNA174-16_CBC	0.006807	2.049492624	up	hsa_circ_0098946_CBC1	0.013407
hsa-circRNA10508_CBC	0.025415	2.091812517	up	hsa_circ_0123867_CBC1	0.00087
hsa_circ_0051543_CBC1	0.011008	2.10828321	up	hsa_circ_0067703_CBC1	2.48E-05
hsa_circ_0119978_CBC1	0.00793	2.443295085	up	hsa_circ_0047877_CBC1	0.000261
hsa_circ_0061317_CBC1	0.031609	2.03545501	up	hsa_circ_0117222_CBC1	9.58E-05
hsa_circ_0043382_CBC1	0.045387	2.050908712	up	hsa_circ_0087390_CBC1	0.001084
hsa_circ_0018926_CBC1	0.037849	2.263681504	up	hsa_circ_0135264_CBC1	0.000218
hsa_circ_0092576_CBC1	0.049403	2.522045775	up	hsa_circ_0071866_CBC1	4.64E-06
hsa_circ_0069862_CBC1	0.027749	2.483603578	up	hsa_circ_0071232_CBC1	0.010153
hsa_circ_0031308_CBC1	0.016659	2.094253533	up	hsa_circ_0028227_CBC1	2.43E-05
hsa_circ_0040413_CBC1	0.032119	2.143679245	up	hsa_circ_0140077_CBC1	2.86E-05
hsa_circ_0103603_CBC1	0.016271	2.187139918	up	hsa-circRNA4390-520_CB	1.56E-05
hsa_circ_0028886_CBC1	0.013063	2.630984479	up	hsa_circ_0030728_CBC1	0.00033
hsa_circ_0133936_CBC1	0.007367	2.463642203	up	hsa_circ_0053810_CBC1	8.49E-05
hsa_circ_0062596_CBC1	0.000766	3.782584827	up	hsa_circ_0126894_CBC1	7.21E-06
hsa_circ_0108723_CBC1	0.020241	2.683389306	up	hsa_circ_0034359_CBC1	0.000151
hsa_circ_0062839_CBC1	0.000958	2.032630397	up	hsa_circ_0134291_CBC1	0.000539
hsa_circ_0047238_CBC1	0.007482	2.133555921	up	hsa-circRNA16072-4_CBC	0.00017
hsa_circ_0020488_CBC1	0.002203	2.344871933	up	hsa-circRNA12505-2_CBC	1.6E-06
hsa-circRNA902-5_CBC1	0.002872	2.110987205	up	hsa_circ_0078167_CBC1	0.000149
hsa_circ_0103604_CBC1	0.003875	3.143519533	up	hsa_circ_0123020_CBC1	0.003445
hsa_circ_0067053_CBC1	0.001727	2.096145715	up	hsa_circ_0096527_CBC1	0.000399
hsa_circ_0023573_CBC1	0.008445	2.236553946	up	hsa_circ_0123022_CBC1	3.32E-05
hsa_circ_0096888_CBC1	0.040702	2.118980603	up	hsa_circ_0091155_CBC1	0.000163
hsa_circ_0037118_CBC1	0.016905	2.164892002	up	hsa_circ_0129896_CBC1	8.06E-05
hsa_circ_0113926_CBC1	0.01475	2.807124821	up	hsa_circ_0098944_CBC1	0.001613
hsa_circ_0025914_CBC1	0.025288	2.363052221	up	hsa_circ_0138389_CBC1	0.000443
hsa_circ_0134413_CBC1	0.015064	2.023112214	up	hsa_circ_0124334_CBC1	0.0009
hsa_circ_0071614_CBC1	0.006093	2.076689371	up	hsa-circRNA9154-31_CBC	6.31E-06
hsa-circRNA6903-27_CB	0.029092	2.209531724	up	hsa-circRNA2310-2_CBC1	0.001432
hsa-circRNA15423-15_CI	0.038293	2.151625268	up	hsa_circ_0018370_CBC1	0.000406
hsa_circ_0123616_CBC1	0.008921	2.422308393	up	hsa_circ_0035657_CBC1	0.000239
hsa-circRNA1708-2_CBC	0.020118	2.039236815	up	hsa_circ_0101628_CBC1	0.000999
hsa_circ_0097570_CBC1	0.011117	2.045068432	up	hsa_circ_0029952_CBC1	0.001493
hsa_circ_0129969_CBC1	0.030508	3.149442551	up	hsa_circ_0040028_CBC1	0.003521
hsa_circ_0101263_CBC1	0.028439	2.855325699	up	hsa-circRNA7452-13_CBC	0.000862
hsa-circRNA6347-1_CBC	0.015935	2.005314707	up	hsa_circ_0061362_CBC1	3.19E-05
hsa-circRNA13646-5_CB	0.030591	2.21687719	up	hsa_circ_0118394_CBC1	0.001503
hsa_circ_0091427_CBC1	0.009534	2.189087339	up	hsa-circRNA12505-26_CB	0.000648
hsa_circ_0035125_CBC1	0.008948	2.333871187	up	hsa_circ_0030740_CBC1	1.89E-05

hsa_circ_0088219_CBC1	0.011059	2.049994824	up	hsa_circ_0054778_CBC1	7.04E-05
hsa_circ_0043656_CBC1	0.012263	2.526352057	up	hsa_circ_0053598_CBC1	3.49E-05
hsa_circ_0137009_CBC1	0.027392	2.027343102	up	hsa_circ_0112543_CBC1	0.000132
hsa_circ_0026141_CBC1	0.033208	2.297653263	up	hsa_circ_0120514_CBC1	2.46E-05
hsa_circ_0135295_CBC1	0.020183	2.165482977	up	hsa_circ_0045403_CBC1	7.22E-05
hsa_circ_0134852_CBC1	0.031603	2.712628438	up	hsa_circ_0129075_CBC1	0.000822
hsa_circ_0123330_CBC1	0.016826	2.126523843	up	hsa-circRNA7360-9_CBC1	0.001083
hsa_circ_0118211_CBC1	0.028424	2.337641989	up	hsa_circ_0020152_CBC1	2.32E-05
hsa_circ_0101206_CBC1	0.020332	2.174762629	up	hsa-circRNA3000-14_CBC	0.000292
hsa-circRNA9652-1_CBC	0.017739	3.110271597	up	hsa_circ_0070594_CBC1	0.002136
hsa_circ_0118648_CBC1	0.028818	2.312963118	up	hsa-circRNA409-7_CBC1	7.49E-06
hsa_circ_0005389_CBC1	0.029147	2.239453796	up	hsa_circ_0033123_CBC1	0.000143
hsa_circ_0083487_CBC1	0.029903	2.112854448	up	hsa_circ_0129579_CBC1	0.000621
hsa-circRNA3075-12_CB	0.049361	2.560392558	up	hsa_circ_0111475_CBC1	0.005629
hsa_circ_0080192_CBC1	0.01451	3.475251673	up	hsa_circ_0003905_CBC1	0.000149
hsa_circ_0094166_CBC1	0.041813	2.252087588	up	hsa_circ_0000123_CBC1	0.012459
hsa_circ_0095672_CBC1	0.009671	2.306317954	up	hsa_circ_0023772_CBC1	0.000204
hsa_circ_0133644_CBC1	0.019851	2.171251582	up	hsa_circ_0078177_CBC1	0.000518
hsa_circ_0123455_CBC1	0.008937	2.057839543	up	hsa_circ_0069228_CBC1	3.4E-05
hsa_circ_0135534_CBC1	0.007566	2.432645722	up	hsa_circ_0012437_CBC1	0.000743
hsa_circ_0118307_CBC1	0.027685	2.123689715	up	hsa_circ_0067591_CBC1	3.39E-05
hsa_circ_0132599_CBC1	0.02847	2.828146314	up	hsa-circRNA14020-21_CB	1.74E-05
hsa-circRNA13247-1_CB	0.044725	2.402455304	up	hsa_circ_0119783_CBC1	9.44E-06
hsa-circRNA15880-10_CI	0.025858	2.9376502	up	hsa_circ_0117499_CBC1	7.74E-05
hsa_circ_0033034_CBC1	0.001007	2.461127629	up	hsa_circ_0129900_CBC1	0.012711
hsa_circ_0004878_CBC1	0.044017	2.803812149	up	hsa_circ_0129187_CBC1	0.006381
hsa-circRNA15561-1_CB	0.030826	2.015392728	up	hsa_circ_0092247_CBC1	3.11E-05
hsa_circ_0016523_CBC1	0.01192	2.042726386	up	hsa_circ_0054860_CBC1	0.000504
				hsa_circ_0029929_CBC1	0.03884
				hsa_circ_0002088_CBC1	5.13E-05
				hsa_circ_0101919_CBC1	0.000395
				hsa_circ_0139211_CBC1	0.00044
				hsa_circ_0118861_CBC1	6.1E-05
				hsa_circ_0140560_CBC1	0.002029
				hsa_circ_0085388_CBC1	0.010358
				hsa_circ_0054090_CBC1	0.004073
				hsa-circRNA12520-169_CI	0.000326
				hsa_circ_0005342_CBC1	0.001573
				hsa_circ_0032444_CBC1	0.003367
				hsa_circ_0072239_CBC1	1.06E-05
				hsa_circ_0105105_CBC1	0.000187
				hsa-circRNA9154-32_CBC	0.000198
				hsa_circ_0046876_CBC1	0.000678
				hsa_circ_0071853_CBC1	2.51E-05
				hsa_circ_0016817_CBC1	0.018146
				hsa_circ_0025933_CBC1	0.013515
				hsa-circRNA14372-2_CBC	2.44E-06
				hsa_circ_0054732_CBC1	1.24E-05
				hsa_circ_0105815_CBC1	4.29E-06
				hsa_circ_0102125_CBC1	0.002455

hsa_circ_0117151_CBC1	3.03E-05
hsa_circ_0081732_CBC1	0.010471
hsa_circ_0091154_CBC1	0.000129
hsa_circ_0083115_CBC1	0.00024
hsa_circ_0010538_CBC1	0.004466
hsa_circ_0009133_CBC1	0.002692
hsa_circ_0138401_CBC1	0.000773
hsa_circ_0047651_CBC1	4.95E-05
hsa_circ_0058169_CBC1	0.002015
hsa_circ_0130030_CBC1	0.001321
hsa_circ_0139187_CBC1	0.000369
hsa_circ_0099707_CBC1	1.85E-05
hsa_circ_0089932_CBC1	0.007613
hsa_circ_0088295_CBC1	0.000663
hsa_circ_0056406_CBC1	6.04E-05
hsa_circ_0077235_CBC1	0.025548
hsa_circ_0036790_CBC1	7.93E-05
hsa_circ_0036820_CBC1	0.000132
hsa-circRNA10656-78_CB	2.06E-05
hsa_circ_0011883_CBC1	0.002272
hsa-circRNA2177-18_CBC	0.000103
hsa_circ_0027614_CBC1	0.0001
hsa_circ_0035410_CBC1	0.000596
hsa_circ_0025305_CBC1	0.004071
hsa_circ_0039932_CBC1	6.13E-05
hsa_circ_0139702_CBC1	0.000343
hsa_circ_0066257_CBC1	4.65E-05
hsa_circ_0092636_CBC1	0.000354
hsa_circ_0132015_CBC1	0.005714
hsa_circ_0073250_CBC1	0.00227
hsa_circ_0094514_CBC1	0.003119
hsa_circ_0101585_CBC1	0.005815
hsa_circ_0036804_CBC1	2.82E-05
hsa_circ_0127787_CBC1	0.000448
hsa_circ_0106727_CBC1	0.000583
hsa_circ_0077656_CBC1	5.39E-06
hsa_circ_0097739_CBC1	6.26E-05
hsa_circ_0054095_CBC1	0.000145
hsa_circ_0120954_CBC1	0.003381
hsa_circ_0104186_CBC1	0.003142
hsa_circ_0125268_CBC1	0.002887
hsa_circ_0123604_CBC1	0.000351
hsa_circ_0056261_CBC1	0.000713
hsa_circ_0122176_CBC1	0.000435
hsa_circ_0123277_CBC1	0.000126
hsa_circ_0073504_CBC1	0.0004
hsa_circ_0073355_CBC1	0.000163
hsa_circ_0068367_CBC1	3.45E-05
hsa_circ_0001521_CBC1	9.58E-05
hsa-circRNA1916-7_CBC1	0.000496

hsa_circ_0107540_CBC1	8.36E-05
hsa_circ_0140078_CBC1	5.92E-05
hsa_circ_0114306_CBC1	0.005881
hsa_circ_0073641_CBC1	0.001448
hsa_circ_0099516_CBC1	0.000289
hsa-circRNA1531-24_CBC	0.000552
hsa_circ_0029778_CBC1	0.017471
hsa_circ_0123028_CBC1	0.00012
hsa_circ_0128618_CBC1	0.000354
hsa_circ_0003471_CBC1	0.00032
hsa_circ_0119784_CBC1	0.000278
hsa_circ_0055614_CBC1	0.001015
hsa-circRNA14317-3_CBC	0.001068
hsa_circ_0114302_CBC1	0.000299
hsa_circ_0031657_CBC1	0.000678
hsa_circ_0071860_CBC1	4.03E-05
hsa-circRNA10051-11_CB	0.012062
hsa_circ_0069939_CBC1	0.00014
hsa_circ_0139205_CBC1	0.004007
hsa_circ_0032423_CBC1	0.000234
hsa_circ_0121636_CBC1	0.000129
hsa_circ_0053802_CBC1	0.00023
hsa-circRNA1954-15_CBC	0.007851
hsa_circ_0028968_CBC1	0.00042
hsa-circRNA8140-12_CBC	0.00059
hsa-circRNA6510-5_CBC1	0.000809
hsa_circ_0009036_CBC1	0.000336
hsa_circ_0132141_CBC1	0.000194
hsa_circ_0015678_CBC1	0.000786
hsa-circRNA6772-1_CBC1	0.002594
hsa_circ_0119839_CBC1	0.000397
hsa-circRNA10656-13_CB	7.95E-06
hsa_circ_0030810_CBC1	0.000307
hsa_circ_0096650_CBC1	0.005173
hsa_circ_0027800_CBC1	0.0015
hsa-circRNA12520-29_CB	5.69E-05
hsa_circ_0106611_CBC1	0.005078
hsa_circ_0120609_CBC1	0.000223
hsa_circ_0060347_CBC1	7.83E-05
hsa_circ_0092673_CBC1	0.000371
hsa-circRNA3320-30_CBC	0.000257
hsa_circ_0099515_CBC1	0.000246
hsa-circRNA4522-14_CBC	1.19E-05
hsa_circ_0101138_CBC1	0.000867
hsa-circRNA14403-42_CB	0.000241
hsa_circ_0099436_CBC1	0.018738
hsa-circRNA12505-38_CB	5.63E-05
hsa_circ_0072187_CBC1	0.00073
hsa_circ_0099228_CBC1	0.012265
hsa_circ_0093919_CBC1	0.000787

hsa_circ_0083423_CBC1 0.003111
hsa-circRNA6924-15_CBC 0.001568
hsa_circ_0135259_CBC1 0.010604
hsa_circ_0126961_CBC1 0.001153
hsa_circ_0053329_CBC1 0.000238
hsa_circ_0071220_CBC1 0.000348
hsa_circ_0007995_CBC1 1.04E-05
hsa_circ_0061360_CBC1 2.8E-05
hsa_circ_0073059_CBC1 0.001628
hsa_circ_0035897_CBC1 7.22E-06
hsa_circ_0130963_CBC1 0.000211
hsa-circRNA9001-1_CBC1 0.000652
hsa_circ_0128058_CBC1 0.000671
hsa-circRNA1028-54_CBC 0.000124
hsa_circ_0072190_CBC1 0.001406
hsa-circRNA4478-8_CBC1 0.002221
hsa_circ_0108760_CBC1 0.006306
hsa-circRNA12467-5_CBC 0.000713
hsa-circRNA11450-11_CB 3.1E-05
hsa_circ_0077273_CBC1 0.001068
hsa_circ_0070591_CBC1 0.000363
hsa_circ_0130032_CBC1 0.000577
hsa_circ_0078154_CBC1 2.05E-05
hsa_circ_0120566_CBC1 9.79E-05
hsa_circ_0028965_CBC1 0.000125
hsa_circ_0054723_CBC1 9.74E-05
hsa_circ_0119832_CBC1 0.000542
hsa_circ_0129561_CBC1 0.001687
hsa_circ_0078186_CBC1 0.005009
hsa_circ_0023771_CBC1 0.00038
hsa_circ_0028008_CBC1 0.003976
hsa_circ_0070424_CBC1 0.000721
hsa_circ_0023773_CBC1 0.000529
hsa_circ_0000284_CBC1 0.001893
hsa_circ_0084820_CBC1 0.01158
hsa_circ_0107665_CBC1 0.041262
hsa-circRNA6213-56_CBC 0.000264
hsa_circ_0081803_CBC1 0.001252
hsa_circ_0038250_CBC1 0.001455
hsa_circ_0053573_CBC1 0.000185
hsa_circ_0074189_CBC1 1.48E-05
hsa_circ_0072524_CBC1 0.001718
hsa-circRNA1562-8_CBC1 0.000421
hsa_circ_0030730_CBC1 7.21E-05
hsa-circRNA1905-2_CBC1 0.000322
hsa_circ_0075061_CBC1 0.000854
hsa-circRNA14469-6_CBC 0.000149
hsa-circRNA12828-2_CBC 0.000337
hsa_circ_0047374_CBC1 0.000165
hsa_circ_0099705_CBC1 5.23E-05

hsa_circ_0125468_CBC1	0.000184
hsa_circ_0106620_CBC1	4.09E-05
hsa_circ_0037903_CBC1	0.014671
hsa-circRNA218-2_CBC1	0.000786
hsa_circ_0139199_CBC1	0.00118
hsa_circ_0064601_CBC1	8.75E-05

For Peer Review

AD group.

Fold change	Expression	circRNA	P value	Fold change	Expression	circRNA	P value
2.023054496	down	hsa_circ_0139	0.000539	2.169736	down	hsa_circ_0	0.002539
2.197986522	down	hsa_circ_0110	0.005288	2.44448	down	hsa_circ_0	9.81E-05
2.04830591	down	hsa_circ_0135	0.002675	2.102486	down	hsa_circ_0	0.000114
2.632583832	down	hsa-circRNA6	1.57E-05	2.247522	down	hsa_circ_0	0.015495
2.023156298	down	hsa_circ_0077	0.007166	2.068139	down	hsa_circ_0	0.010508
2.475378167	down	hsa-circRNA3	0.005767	2.221845	down	hsa-circRN	0.000983
2.022807031	down	hsa_circ_0080	0.001363	2.084832	down	hsa_circ_0	1.69E-05
2.124061174	down	hsa_circ_0119	0.000135	2.086277	down	hsa-circRN	0.005048
2.148151597	down	hsa_circ_0118	0.002188	2.428927	down	hsa-circRN	0.001448
2.601877634	down	hsa_circ_0063	0.000413	2.019908	down	hsa_circ_0	2.76E-06
2.104609622	down	hsa_circ_0032	0.00169	2.042094	down	hsa_circ_0	0.000446
2.912275616	down	hsa_circ_0103	0.000289	2.009826	down	hsa_circ_0	0.00041
3.499141105	down	hsa_circ_0140	2.81E-05	3.25585	down	hsa_circ_0	0.000964
3.039964694	down	hsa-circRNA1	0.000215	2.066673	down	hsa_circ_0	0.003103
2.666843598	down	hsa_circ_0000	0.005709	2.286001	down	hsa_circ_0	0.001908
2.28668042	down	hsa_circ_0100	0.001833	2.628174	down	hsa-circRN	8.36E-05
2.150890485	down	hsa_circ_0034	0.000817	2.144012	down	hsa_circ_0	0.003168
2.480752173	down	hsa_circ_0134	1.59E-05	2.035038	down	hsa_circ_0	4.34E-05
2.636116754	down	hsa-circRNA6	0.004386	2.247355	down	hsa_circ_0	0.002615
2.016153847	down	hsa-circRNA1	9.94E-05	2.229835	down	hsa_circ_0	7.69E-05
2.043364336	down	hsa_circ_0081	0.000369	2.025739	down	hsa_circ_0	0.000245
2.038152088	down	hsa-circRNA5	6.61E-06	2.159939	down	hsa_circ_0	0.00105
2.036396382	down	hsa_circ_0072	0.002001	2.064513	down	hsa_circ_0	9.7E-06
3.795624046	down	hsa_circ_0099	0.000361	2.083569	down	hsa_circ_0	6.68E-06
2.283984838	down	hsa_circ_0071	0.000414	3.68193	down	hsa_circ_0	0.000405
2.358383591	down	hsa_circ_0015	0.000131	2.07978	down	hsa_circ_0	4.48E-05
2.092309682	down	hsa_circ_0030	2.94E-05	2.131855	down	hsa_circ_0	0.000195
2.038393733	down	hsa_circ_0124	0.000396	2.037837	down	hsa_circ_0	0.00032
2.265727713	down	hsa_circ_0044	0.000284	2.082039	down	hsa_circ_0	0.000667
2.066253482	down	hsa_circ_0120	7.96E-07	2.15713	down	hsa_circ_0	0.000796
2.056885607	down	hsa_circ_0056	0.006645	2.037702	down	hsa_circ_0	0.001286
3.220091929	down	hsa-circRNA6	0.000278	2.127032	down	hsa-circRN	0.001812
2.244835876	down	hsa_circ_0096	0.003447	2.707235	down	hsa_circ_0	0.012156
2.12818366	down	hsa_circ_0054	9.95E-06	2.203173	down	hsa_circ_0	0.001766
2.958925811	down	hsa_circ_0083	1.07E-05	2.130109	down	hsa_circ_0	0.000344
2.446758733	down	hsa_circ_0105	7.49E-06	2.518829	down	hsa_circ_0	0.010092
2.063681373	down	hsa_circ_0038	0.003977	2.141703	down	hsa_circ_0	1.91E-05
2.524906877	down	hsa-circRNA1	0.000205	2.139118	down	hsa-circRN	0.003135
2.184625776	down	hsa_circ_0069	0.000554	2.926803	down	hsa_circ_0	9.04E-05
2.502770378	down	hsa-circRNA5	0.00073	2.090327	down	hsa_circ_0	1.74E-06
2.169236519	down	hsa_circ_0072	0.000985	2.117149	down	hsa_circ_0	4.31E-06
2.046918378	down	hsa-circRNA1	1.6E-07	2.887354	down	hsa_circ_0	2.43E-05
2.082151364	down	hsa_circ_0021	0.000574	2.012331	down	hsa_circ_0	0.000186
2.051389488	down	hsa-circRNA4	8.88E-05	2.124526	down	hsa-circRN	0.000496
2.246169032	down	hsa_circ_0053	0.000412	2.161209	down	hsa_circ_0	0.000149
2.412347723	down	hsa-circRNA3	2.13E-05	2.515427	down	hsa_circ_0	9.9E-07
2.326338911	down	hsa_circ_0125	1.11E-06	2.23601	down	hsa_circ_0	0.035693
2.131252452	down	hsa_circ_0104	0.003428	2.010342	down	hsa-circRN	4.37E-05

2.033990225	down	hsa_circ_0126	0.000351	2.28879	down	hsa_circ_0126	3.98E-06
2.01675222	down	hsa_circ_0072	1.37E-06	2.20714	down	hsa_circ_0072	0.006846
2.682823004	down	hsa_circ_0077	0.01388	2.600833	down	hsa_circ_0077	0.000715
2.04030125	down	hsa_circ_0024	5.65E-05	2.021677	down	hsa_circ_0024	2.86E-05
2.030453881	down	hsa_circ_0063	0.000287	2.160952	down	hsa_circ_0063	0.004169
2.151450477	down	hsa_circ_0073	1.47E-05	2.010953	down	hsa_circ_0073	0.000454
2.4224946	down	hsa-circRNA1	3.96E-05	2.106147	down	hsa_circ_0073	0.000379
2.338218786	down	hsa-circRNA1	0.019779	2.293067	down	hsa_circ_0073	0.000399
2.308883171	down	hsa_circ_0122	0.000125	2.112982	down	hsa_circ_0122	0.001054
2.153237074	down	hsa_circ_0118	0.026593	2.022292	down	hsa_circ_0118	0.000458
2.161194436	down	hsa_circ_0123	1.11E-05	2.27007	down	hsa-circRN	0.001537
2.145208477	down	hsa_circ_0119	0.001325	2.09554	down	hsa_circ_0119	0.000233
2.64584922	down	hsa-circRNA1	0.010358	2.070358	down	hsa-circRN	6.98E-05
2.045449382	down	hsa_circ_0062	0.010549	2.150657	down	hsa_circ_0062	0.032652
2.599803949	down	hsa_circ_0027	0.000352	2.172019	down	hsa_circ_0027	0.000453
2.19191312	down	hsa_circ_0027	0.000129	2.094395	down	hsa_circ_0027	0.000297
2.013718621	down	hsa_circ_0114	0.001743	2.336119	down	hsa_circ_0114	0.000111
2.030443128	down	hsa-circRNA7	0.032417	2.128936	down	hsa_circ_0114	0.000401
2.038362433	down	hsa_circ_0053	0.000423	2.058656	down	hsa-circRN	1.29E-05
2.326360034	down	hsa-circRNA1	0.003011	2.19942	down	hsa_circ_0053	0.000274
2.581195381	down	hsa_circ_0128	0.001963	2.232522	down	hsa-circRN	0.000265
2.238005415	down	hsa_circ_0111	0.013991	2.002151	down	hsa_circ_0111	0.00042
2.394145524	down	hsa-circRNA2	0.000565	2.552022	down	hsa_circ_0111	0.000375
2.025098098	down	hsa_circ_0054	0.00143	2.329108	down	hsa-circRN	0.000186
2.239869036	down	hsa-circRNA1	0.004409	2.378121	down	hsa_circ_0054	0.000241
2.03203852	down	hsa_circ_0003	1.83E-06	2.309859	down	hsa_circ_0003	0.000715
2.377668531	down	hsa_circ_0064	0.001544	2.068035	down	hsa_circ_0064	0.000113
2.662972423	down	hsa_circ_0139	0.002097	2.010661	down	hsa_circ_0139	0.011737
2.669444389	down	hsa-circRNA6	0.000169	2.196673	down	hsa-circRN	0.001521
2.032513686	down	hsa_circ_0094	0.000313	2.307582	down	hsa-circRN	1.77E-05
3.174503433	down	hsa_circ_0138	5.21E-05	2.352305	down	hsa-circRN	0.001
2.232454084	down	hsa_circ_0077	0.00073	2.13844	down	hsa_circ_0077	1.06E-05
2.025521272	down	hsa_circ_0135	0.000131	2.07839	down	hsa_circ_0135	0.000516
2.027405602	down	hsa-circRNA1	0.000132	2.305624	down	hsa_circ_0135	0.000957
2.066699546	down	hsa_circ_0054	0.000289	2.015828	down	hsa_circ_0054	2.72E-05
2.035834527	down	hsa_circ_0135	6.29E-05	2.249423	down	hsa_circ_0135	0.000102
2.082771182	down	hsa_circ_0070	0.00044	2.1115	down	hsa_circ_0070	0.001012
2.057400625	down	hsa_circ_0071	0.000136	2.098388	down	hsa-circRN	5.45E-06
2.19930698	down	hsa-circRNA9	3.09E-05	3.341624	down	hsa_circ_0071	0.00023
2.260416558	down	hsa_circ_0122	0.00357	2.059552	down	hsa-circRN	0.017593
2.003613252	down	hsa_circ_0102	0.007533	2.062857	down	hsa_circ_0102	0.000124
2.39674569	down	hsa_circ_0001	0.001287	2.429842	down	hsa_circ_0001	1.52E-05
2.382276275	down	hsa_circ_0017	9.16E-05	2.166443	down	hsa_circ_0017	0.003589
2.41057388	down	hsa-circRNA3	5.47E-07	2.702084	down	hsa_circ_0017	0.003589
2.418078732	down	hsa_circ_0071	0.00152	2.302807	down	hsa_circ_0071	0.000679
2.167038555	down	hsa_circ_0075	0.00206	2.221574	down	hsa_circ_0075	0.000363
2.553233326	down	hsa_circ_0030	0.000351	2.073641	down	hsa_circ_0030	0.039481
2.555094189	down	hsa_circ_0123	2.24E-05	2.200923	down	hsa-circRN	0.000526
2.039997524	down	hsa_circ_0119	0.000678	2.031662	down	hsa_circ_0119	0.001223
2.057042145	down	hsa_circ_0053	0.000108	2.163276	down	hsa_circ_0053	3.82E-05

2.956733696	down	hsa_circ_0072	0.000328	2.023325	down	hsa_circ_0	0.00017
2.003390476	down	hsa_circ_0082	0.000204	2.101677	down	hsa-circRN	0.000227
2.130097506	down	hsa_circ_0072	8.78E-05	3.033051	down	hsa_circ_0	0.001076
2.163908813	down	hsa_circ_0130	9.52E-05	2.005948	down	hsa_circ_0	0.011443
2.361327563	down	hsa_circ_0053	0.000112	2.008317	down	hsa_circ_0	9.67E-06
2.127055532	down	hsa_circ_0127	0.000119	2.281833	down	hsa-circRN	0.000883
2.105133363	down	hsa_circ_0058	0.002699	2.01346	down	hsa_circ_0	0.002238
2.427537358	down	hsa_circ_0018	0.035876	2.310469	down	hsa_circ_0	1.9E-05
2.059448513	down	hsa_circ_0105	6.02E-05	3.061368	down	hsa_circ_0	0.000448
2.109755856	down	hsa_circ_0081	0.000252	2.73712	down	hsa_circ_0	3.74E-06
2.122946157	down	hsa_circ_0132	0.000971	2.011837	down	hsa_circ_0	0.003677
2.330658562	down	hsa_circ_0035	0.000664	2.175494	down	hsa_circ_0	0.000384
2.118535688	down	hsa_circ_0125	0.005999	3.294617	down	hsa-circRN	0.000343
2.702771359	down	hsa_circ_0044	2.2E-05	2.391926	down	hsa_circ_0	2.86E-05
2.049631834	down	hsa-circRNA7	2.75E-05	2.130751	down	hsa-circRN	6.04E-05
2.061478336	down	hsa-circRNA1	0.00057	2.36617	down	hsa_circ_0	4.91E-05
2.262250428	down	hsa_circ_0085	0.000565	2.926515	down	hsa-circRN	0.000383
2.253237066	down	hsa_circ_0137	0.002372	2.19393	down	hsa-circRN	9.82E-05
2.16653407	down	hsa-circRNA6	0.000196	2.083907	down	hsa_circ_0	0.000346
2.250553657	down	hsa_circ_0084	0.005857	2.567755	down	hsa_circ_0	0.000308
2.088950488	down	hsa_circ_0057	0.030835	2.030611	down	hsa_circ_0	0.001729
2.143102721	down	hsa_circ_0057	0.002099	2.122185	down	hsa_circ_0	9.33E-05
2.022639619	down	hsa_circ_0096	0.000412	2.133169	down	hsa_circ_0	0.000156
2.217845863	down	hsa-circRNA1	5.92E-05	2.704131	down	hsa_circ_0	0.000535
2.021412664	down	hsa_circ_0023	0.002455	2.063774	down	hsa_circ_0	0.000406
2.177081112	down	hsa_circ_0081	0.000231	2.242879	down	hsa_circ_0	0.000113
2.098445289	down	hsa_circ_0101	0.000712	2.132211	down	hsa_circ_0	6.97E-06
2.174215491	down	hsa-circRNA4	0.000178	2.274914	down	hsa_circ_0	0.002724
2.00647575	down	hsa_circ_0136	5.93E-06	3.336992	down	hsa-circRN	4.13E-05
2.353301506	down	hsa-circRNA1	1.53E-05	2.239402	down	hsa_circ_0	0.003724
2.034943276	down	hsa-circRNA4	0.000102	2.128797	down	hsa_circ_0	0.003878
2.11198154	down	hsa_circ_0102	0.000706	2.581942	down	hsa_circ_0	3.26E-05
2.039028416	down	hsa_circ_0065	0.032753	2.050571	down	hsa_circ_0	0.001313
2.041131313	down	hsa_circ_0083	0.000966	2.059079	down	hsa-circRN	0.000178
2.012448643	down	hsa_circ_0023	0.001953	2.38717	down	hsa_circ_0	0.006251
2.032129473	down	hsa_circ_0015	0.000396	2.436977	down	hsa_circ_0	0.000229
2.066825377	down	hsa-circRNA7	2.62E-05	2.060311	down	hsa_circ_0	0.002317
2.02691721	down	hsa_circ_0021	8.8E-05	2.195235	down	hsa_circ_0	2.83E-05
3.653824503	down	hsa-circRNA8	0.000874	2.072611	down	hsa-circRN	2.55E-05
2.791494319	down	hsa_circ_0116	1.63E-05	2.110551	down	hsa-circRN	3.19E-05
2.310060879	down	hsa_circ_0101	0.000413	2.172613	down	hsa_circ_0	0.015117
2.197010693	down	hsa_circ_0122	0.000153	2.065798	down	hsa-circRN	9.5E-05
2.018238194	down	hsa_circ_0078	0.00052	2.20477	down	hsa_circ_0	0.001784
2.025692788	down	hsa_circ_0023	0.000873	2.021762	down	hsa_circ_0	0.005745
2.105002844	down	hsa_circ_0030	7.2E-05	2.065207	down	hsa_circ_0	0.001028
2.043326209	down	hsa-circRNA1	3.38E-05	2.365972	down	hsa_circ_0	0.000161
2.319655222	down	hsa_circ_0101	0.000422	2.307763	down	hsa_circ_0	0.000705
2.366051069	down	hsa_circ_0013	0.000316	2.550096	down	hsa_circ_0	5.04E-05
2.567394635	down	hsa_circ_0068	9.19E-06	2.118937	down	hsa_circ_0	0.000471
2.032624733	down	hsa_circ_0070	0.000159	2.375152	down	hsa_circ_0	0.000482

2.016117435	down	hsa-circRNA6	3.76E-06	3.161978	down	hsa-circRN	0.001448
2.086717429	down	hsa_circ_013C	4.83E-06	2.126915	down	hsa_circ_0	0.000627
2.163963144	down	hsa-circRNA9	0.001381	2.191203	down	hsa_circ_0	0.000449
2.01490853	down	hsa_circ_012C	4.22E-05	2.358939	down	hsa-circRN	2.78E-06
2.259142669	down	hsa_circ_0122	4.13E-05	2.259514	down	hsa_circ_0	0.000629
2.04294516	down	hsa_circ_0122	0.000222	2.019663	down	hsa-circRN	0.000887
2.324347941	down	hsa_circ_0126	8.92E-06	2.613819	down	hsa_circ_0	7.97E-06
2.007172442	down	hsa_circ_0083	2.79E-05	2.116284	down	hsa-circRN	1.44E-05
2.081835403	down	hsa_circ_0013	6.23E-05	2.415389	down	hsa_circ_0	4.99E-06
2.478768728	down	hsa_circ_0057	0.015901	2.506822	down	hsa_circ_0	4.88E-05
3.009035227	down	hsa-circRNA2	0.000258	2.016816	down	hsa_circ_0	0.000508
2.436802706	down	hsa_circ_007C	0.00015	2.642473	down	hsa_circ_0	0.000689
2.375113715	down	hsa_circ_0111	0.002965	2.347065	down	hsa-circRN	6.28E-05
2.05592942	down	hsa_circ_0073	0.000323	2.252655	down	hsa_circ_0	9.26E-05
2.250731109	down	hsa_circ_0078	0.001815	2.027476	down	hsa_circ_0	0.000537
2.062833569	down	hsa_circ_0037	0.000128	2.214606	down	hsa_circ_0	0.001364
2.179996883	down	hsa-circRNA6	0.000441	2.316257	down	hsa_circ_0	0.000356
2.037893787	down	hsa_circ_0126	0.001775	2.754718	down	hsa_circ_0	0.000392
2.038250008	down	hsa_circ_0053	0.000438	2.075959	down	hsa-circRN	0.000224
2.177745982	down	hsa_circ_0047	0.000257	2.306373	down	hsa_circ_0	0.000804
2.056270688	down	hsa_circ_0063	0.000264	2.071231	down	hsa_circ_0	0.000321
2.253489339	down	hsa_circ_0095	0.013615	2.135097	down	hsa_circ_0	7.23E-06
2.291428314	down	hsa-circRNA1	1.19E-08	2.060513	down	hsa_circ_0	0.000699
2.078847692	down	hsa-circRNA9	4.32E-05	2.4567	down	hsa-circRN	3E-05
2.166873167	down	hsa_circ_0085	0.000217	2.725332	down	hsa_circ_0	0.000217
2.034477705	down	hsa-circRNA1	0.002526	2.318606	down	hsa_circ_0	0.008047
2.107485703	down	hsa_circ_012C	0.006863	2.037797	down	hsa_circ_0	0.000566
2.104632341	down	hsa_circ_0071	0.045844	2.039069	down	hsa_circ_0	4.03E-06
2.257694014	down	hsa-circRNA9	0.008925	2.429718	down	hsa-circRN	0.000612
2.049320064	down	hsa_circ_0072	0.000608	2.257618	down	hsa_circ_0	0.033634
2.196455097	down	hsa_circ_0001	0.005958	2.618255	down	hsa_circ_0	0.006054
2.280444168	down	hsa_circ_0125	0.000168	2.506636	down	hsa-circRN	0.00043
2.484968092	down	hsa_circ_0024	0.000371	2.193177	down	hsa_circ_0	0.000972
2.22946402	down	hsa_circ_0054	2.86E-05	2.378488	down	hsa-circRN	3.67E-05
2.065442448	down	hsa_circ_0084	0.000698	2.147762	down	hsa_circ_0	0.000119
2.213424408	down	hsa_circ_0137	0.010858	2.041005	down	hsa_circ_0	4.33E-05
2.048045927	down	hsa_circ_0114	0.002308	2.000291	down	hsa_circ_0	1.14E-05
2.456736926	down	hsa_circ_0127	6.32E-05	2.10398	down	hsa_circ_0	0.000149
2.226994673	down	hsa_circ_0117	0.00011	2.161643	down	hsa_circ_0	0.000462
2.051893702	down	hsa_circ_0053	0.001018	2.141837	down	hsa-circRN	0.000106
2.109199743	down	hsa_circ_0071	0.001287	2.021605	down	hsa_circ_0	0.00102
2.335149115	down	hsa_circ_0137	1.11E-05	2.364669	down	hsa-circRN	0.000431
2.048717828	down	hsa_circ_0105	0.000531	2.011371	down	hsa_circ_0	0.011541
2.575822208	down	hsa_circ_0001	0.002076	2.104166	down	hsa_circ_0	0.000111
2.038569903	down	hsa_circ_013C	0.000241	2.687892	down	hsa_circ_0	0.042868
2.220463119	down	hsa_circ_0025	0.001328	2.509513	down	hsa-circRN	0.00215
2.374234635	down	hsa_circ_0007	2.28E-05	2.42757	down	hsa_circ_0	0.000335
2.112206898	down	hsa-circRNA1	0.000485	2.078678	down	hsa_circ_0	3.4E-05
2.139185845	down	hsa_circ_0086	0.006507	2.062909	down	hsa_circ_0	0.000936
2.133802051	down	hsa-circRNA6	0.000198	2.053949	down	hsa-circRN	0.000104

3.105382599	down	hsa-circRNA1	0.000229	2.132941	down	hsa_circ_0	0.000222
2.08032837	down	hsa_circ_0115	0.000677	2.094313	down	hsa_circ_0	3.64E-05
2.161149864	down	hsa-circRNA6	0.000283	2.038604	down	hsa-circRN	0.000127
2.040017437	down	hsa_circ_0022	0.00167	2.050796	down	hsa_circ_0	0.000291
2.480133673	down	hsa-circRNA1	3.85E-05	2.487648	down	hsa-circRN	0.003544
2.033990456	down	hsa_circ_0105	2.12E-05	2.277903	down	hsa-circRN	6.66E-06
2.010990613	down	hsa_circ_0075	6.85E-05	2.177496	down	hsa_circ_0	9.1E-05
2.292256233	down	hsa_circ_0068	0.000405	2.110338	down	hsa_circ_0	1.52E-06
2.183414511	down	hsa_circ_0013	0.017895	2.053831	down	hsa_circ_0	0.000206
2.310325534	down	hsa_circ_0115	0.035853	2.068666	down	hsa-circRN	0.000411
2.439397261	down	hsa_circ_0105	0.001356	2.421048	down	hsa_circ_0	0.000222
2.716130241	down	hsa-circRNA1	0.000669	2.234464	down	hsa-circRN	2.87E-05
2.15714674	down	hsa_circ_0013	0.000288	2.103032	down	hsa_circ_0	0.001328
2.206647878	down	hsa-circRNA9	0.005374	2.083369	down	hsa-circRN	3.85E-05
2.306130133	down	hsa-circRNA1	0.003621	2.05941	down	hsa_circ_0	0.00179
2.077436888	down	hsa-circRNA1	7.95E-05	2.979555	down	hsa_circ_0	0.00052
2.221089306	down	hsa_circ_0108	0.000145	2.368431	down	hsa_circ_0	0.000887
2.223543463	down	hsa_circ_0065	0.000808	2.022173	down	hsa_circ_0	0.00023
2.320832908	down	hsa_circ_0084	1.62E-05	2.065282	down	hsa-circRN	1.29E-05
2.035463375	down	hsa_circ_0126	0.000336	2.213406	down	hsa_circ_0	6.74E-06
2.562342675	down	hsa_circ_0003	6.31E-05	2.508891	down	hsa_circ_0	0.003687
2.076841347	down	hsa_circ_0127	0.006382	2.092391	down	hsa-circRN	0.00032
2.199274552	down	hsa_circ_0135	0.000196	2.11918	down	hsa-circRN	3.07E-06
2.109624573	down	hsa_circ_0060	2E-05	2.20127	down	hsa-circRN	0.007638
2.010034497	down	hsa-circRNA3	0.001899	2.091329	down	hsa_circ_0	0.000246
2.309226196	down	hsa-circRNA1	6.88E-05	2.019995	down	hsa_circ_0	8.27E-06
2.188453199	down	hsa_circ_0073	0.000152	2.210137	down	hsa_circ_0	0.001918
2.096124743	down	hsa_circ_0027	0.001526	2.526886	down	hsa-circRN	0.000202
2.133458526	down	hsa-circRNA8	9.38E-05	2.265762	down	hsa-circRN	0.006053
2.263633171	down	hsa_circ_0106	0.002399	2.087696	down	hsa_circ_0	0.003696
2.07277556	down	hsa_circ_0074	3.96E-05	2.122021	down	hsa_circ_0	0.000854
2.393035733	down	hsa_circ_0100	0.001053	2.168756	down	hsa-circRN	1.06E-05
2.462175195	down	hsa_circ_0008	0.004221	2.088513	down	hsa_circ_0	0.0002
2.388677079	down	hsa_circ_0125	0.003084	2.454485	down	hsa_circ_0	0.000549
2.182957198	down	hsa_circ_0102	0.000482	2.063285	down	hsa_circ_0	0.000267
2.197363585	down	hsa-circRNA1	5.11E-05	2.132582	down	hsa_circ_0	0.01121
2.067443388	down	hsa_circ_0135	2.24E-06	2.19609	down	hsa_circ_0	1.15E-05
2.028622493	down	hsa_circ_0025	6.76E-06	2.405319	down	hsa_circ_0	0.000665
2.276682729	down	hsa_circ_0012	0.000255	2.430243	down	hsa_circ_0	0.030231
2.158057974	down	hsa_circ_0128	0.003974	2.519032	down	hsa_circ_0	0.002548
2.168787584	down	hsa_circ_0083	6.22E-06	2.143866	down	hsa_circ_0	0.000472
2.353252125	down	hsa_circ_0111	0.001885	2.187008	down	hsa_circ_0	0.013598
2.148968862	down	hsa-circRNA1	0.000869	2.437173	down	hsa_circ_0	2.95E-05
2.431549968	down	hsa_circ_0120	0.010748	2.348012	down	hsa-circRN	0.000744
2.216909109	down	hsa_circ_0138	0.00017	2.033975	down	hsa_circ_0	7.6E-06
2.195777733	down	hsa_circ_0121	0.00033	2.133146	down	hsa_circ_0	0.01011
2.036532508	down	hsa_circ_0094	2.1E-05	2.113761	down	hsa-circRN	0.00058
2.138638193	down	hsa_circ_0117	0.007406	2.10962	down	hsa_circ_0	0.005237
2.489622101	down	hsa_circ_0114	0.000488	2.181772	down	hsa-circRN	0.003213
3.059974151	down	hsa_circ_0000	0.000774	2.213438	down	hsa_circ_0	0.000195

2.235001446	down	hsa_circ_0094	7.4E-05	2.669143	down	hsa-circRN	0.001437
2.454300421	down	hsa_circ_0074	0.000432	2.267416	down	hsa-circRN	7.81E-06
2.062032809	down	hsa-circRNA6	0.00058	2.378111	down	hsa-circRN	0.000134
2.067948849	down	hsa_circ_0054	0.000357	2.085388	down	hsa_circ_0	0.001039
2.333177461	down	hsa_circ_0115	1.62E-05	2.010983	down	hsa_circ_0	1.06E-05
2.468210637	down	hsa_circ_0140	0.000261	2.198879	down	hsa_circ_0	0.000104
2.033800926	down	hsa_circ_0001	0.032706	2.198774	down	hsa_circ_0	6.56E-05
2.251604842	down	hsa_circ_0138	0.000633	2.059866	down	hsa_circ_0	2.32E-05
2.293967773	down	hsa_circ_0027	5.88E-05	2.295319	down	hsa_circ_0	5.02E-06
2.207921927	down	hsa_circ_0035	8.56E-05	2.163785	down	hsa-circRN	6.95E-05
2.017977808	down	hsa_circ_0071	0.000711	2.098037	down	hsa_circ_0	0.000329
2.020341161	down	hsa_circ_0053	0.000179	2.052742	down	hsa_circ_0	5.2E-06
2.053007404	down	hsa_circ_0012	0.000193	2.092507	down	hsa_circ_0	0.010294
2.304488835	down	hsa_circ_0084	0.005278	2.182786	down	hsa_circ_0	0.044582
2.126804333	down	hsa_circ_0140	0.000122	2.38949	down	hsa_circ_0	1.34E-05
2.419010755	down	hsa_circ_0091	0.001105	2.283173	down	hsa_circ_0	3.05E-07
2.176490824	down	hsa-circRNA4	0.000101	2.285826	down	hsa_circ_0	6.36E-05
2.553446236	down	hsa_circ_0128	3.66E-05	2.030687	down	hsa_circ_0	0.000173
2.049674195	down	hsa_circ_0115	0.000449	2.173372	down	hsa-circRN	0.002556
2.061070185	down	hsa_circ_0027	0.000725	2.222517	down	hsa_circ_0	7.31E-05
2.187294496	down	hsa_circ_0054	0.000571	2.454872	down	hsa-circRN	8.1E-05
2.068125467	down	hsa_circ_0056	0.00017	2.18553	down	hsa_circ_0	0.004716
2.099758519	down	hsa_circ_0124	0.008386	4.556577	down	hsa_circ_0	0.001514
2.008275109	down	hsa_circ_0090	0.002105	2.003745	down	hsa_circ_0	0.001126
2.578391621	down	hsa-circRNA1	4.14E-05	3.060651	down	hsa_circ_0	0.002334
2.12798848	down	hsa_circ_0123	1.41E-05	2.234604	down	hsa_circ_0	0.002719
2.372939149	down	hsa_circ_0127	1.95E-05	2.823071	down	hsa_circ_0	0.000355
2.113578936	down	hsa-circRNA1	5.39E-05	2.073472	down	hsa-circRN	0.001371
2.436809627	down	hsa_circ_0043	0.00229	2.033889	down	hsa_circ_0	9.22E-06
2.822358825	down	hsa_circ_0001	0.006758	2.340064	down	hsa_circ_0	0.000626
2.471438115	down	hsa_circ_0095	0.000204	2.047405	down	hsa_circ_0	0.000733
2.116587968	down	hsa_circ_0053	0.000183	2.062958	down	hsa_circ_0	0.006852
2.027797566	down	hsa_circ_0115	1.29E-05	2.812334	down	hsa_circ_0	0.003632
2.038038062	down	hsa_circ_0123	6.12E-06	2.130751	down	hsa_circ_0	6.3E-05
2.133069567	down	hsa_circ_0102	0.038124	2.142823	down	hsa_circ_0	0.00301
2.147406251	down	hsa_circ_0053	2.77E-05	2.43423	down	hsa-circRN	0.000425
2.190886649	down	hsa_circ_0077	0.000668	2.014331	down	hsa_circ_0	0.004561
2.043980221	down	hsa_circ_0085	0.000124	2.120846	down	hsa_circ_0	8.61E-05
2.367224138	down	hsa_circ_0072	0.000636	2.650756	down	hsa_circ_0	5.62E-06
2.56541171	down	hsa_circ_0071	0.00077	2.058888	down	hsa_circ_0	4.51E-05
2.120684295	down	hsa_circ_0016	0.002218	2.192142	down	hsa_circ_0	0.002235
2.081827962	down	hsa_circ_0118	0.008211	2.088239	down	hsa_circ_0	0.013559
2.502995028	down	hsa-circRNA3	0.00044	2.036484	down	hsa_circ_0	0.000198
3.319915296	down	hsa_circ_0004	0.002108	2.091609	down	hsa_circ_0	0.004254
2.171672474	down	hsa_circ_0135	0.000114	2.255523	down	hsa_circ_0	0.000161
2.071295766	down	hsa_circ_0102	6.57E-05	2.29339	down	hsa_circ_0	0.027705
2.146322128	down	hsa_circ_0017	0.00338	2.082848	down	hsa-circRN	0.003413
2.305469192	down	hsa_circ_0121	0.009408	2.170803	down	hsa_circ_0	1.55E-05
2.426320236	down	hsa_circ_0002	0.000179	2.112333	down	hsa_circ_0	0.001019
2.808074256	down	hsa_circ_0025	9.71E-05	2.189565	down	hsa-circRN	0.000245

2.336082186	down	hsa-circRNA7	9.41E-05	2.000921	down	hsa_circ_0	0.000442
2.00361551	down	hsa_circ_0125	4.74E-05	3.096305	down	hsa_circ_0	0.000185
2.083233636	down	hsa_circ_0094	0.000664	2.155101	down	hsa_circ_0	0.003191
2.112485447	down	hsa-circRNA5	0.007615	2.23787	down	hsa_circ_0	0.006668
2.094484832	down	hsa_circ_0027	0.000179	2.288131	down	hsa_circ_0	0.000471
2.25347715	down	hsa_circ_0005	0.002926	2.034491	down	hsa_circ_0	0.001032
2.15260374	down	hsa-circRNA6	0.000111	2.183358	down	hsa_circ_0	0.000824
2.381715021	down	hsa_circ_0070	0.002866	3.91477	down	hsa_circ_0	0.020174
2.170742993	down	hsa_circ_0053	8.77E-05	2.45218	down	hsa_circ_0	0.000293
2.088763916	down	hsa_circ_0053	0.000354	2.14374	down	hsa_circ_0	9.59E-05
2.072440808	down	hsa_circ_0092	0.00022	2.489284	down	hsa-circRN	0.000937
2.501907475	down	hsa_circ_0124	0.008732	2.151898	down	hsa-circRN	0.000169
2.069529223	down	hsa_circ_0054	0.005004	3.096787	down	hsa_circ_0	0.001083
2.384967825	down	hsa_circ_0020	4.68E-05	2.185489	down	hsa-circRN	0.005431
2.092048627	down	hsa_circ_0127	3.44E-05	2.091093	down	hsa-circRN	0.002114
2.332260315	down	hsa_circ_0006	0.002162	2.106243	down	hsa_circ_0	6.65E-06
2.033517376	down	hsa_circ_0071	8.41E-05	2.004096	down	hsa-circRN	0.0002
2.100006897	down	hsa_circ_0132	0.000366	2.44027	down	hsa_circ_0	0.000646
2.098579154	down	hsa_circ_0021	3.49E-05	2.796106	down	hsa-circRN	2.41E-05
2.078751597	down	hsa_circ_0006	0.000451	2.029763	down	hsa_circ_0	0.000582
2.849124919	down	hsa_circ_0071	1.8E-05	2.158687	down	hsa-circRN	0.005758
2.235205049	down	hsa_circ_0132	0.000228	2.329886	down	hsa-circRN	0.007421
2.111414699	down	hsa-circRNA7	0.010803	2.011456	down	hsa_circ_0	0.000678
2.150927782	down	hsa-circRNA2	5.69E-07	2.979964	down	hsa_circ_0	8.51E-05
2.989550513	down	hsa_circ_0016	0.012835	2.234695	down	hsa-circRN	4.52E-05
2.086558474	down	hsa-circRNA2	9.74E-05	2.244014	down	hsa_circ_0	0.002966
2.282132978	down	hsa_circ_0102	0.000257	2.076531	down	hsa-circRN	0.00059
2.212925297	down	hsa_circ_0117	0.000396	2.09909	down	hsa_circ_0	1.49E-05
2.537040801	down	hsa_circ_0105	0.001287	2.634517	down	hsa_circ_0	0.000138
2.293196998	down	hsa_circ_0028	0.000916	2.574093	down	hsa-circRN	7.77E-05
2.070015777	down	hsa_circ_0077	0.001297	2.193336	down	hsa_circ_0	0.008832
2.232536649	down	hsa_circ_0087	0.000153	2.274121	down	hsa_circ_0	0.000194
2.404837197	down	hsa-circRNA6	0.00322	2.042735	down	hsa-circRN	0.001937
2.620674143	down	hsa-circRNA1	0.000947	2.056045	down	hsa_circ_0	0.001331
2.248029737	down	hsa_circ_0038	9.1E-06	2.342483	down	hsa-circRN	1.29E-05
2.019757568	down	hsa_circ_0122	0.000186	2.460832	down	hsa-circRN	0.000129
2.060015835	down	hsa_circ_0091	0.013147	2.067165	down	hsa_circ_0	0.000254
2.095096993	down	hsa_circ_0110	0.000466	2.003623	down	hsa_circ_0	0.000419
2.04795472	down	hsa_circ_0095	1.91E-05	2.018328	down	hsa-circRN	9.15E-05
2.179605243	down	hsa-circRNA9	0.001005	2.341274	down	hsa_circ_0	3.4E-05
2.272830646	down	hsa_circ_0064	0.000108	2.109735	down	hsa_circ_0	0.000572
2.112335387	down	hsa_circ_0072	0.000325	2.007416	down	hsa_circ_0	0.038142
2.420313881	down	hsa_circ_0140	4.45E-05	2.621491	down	hsa-circRN	0.013846
2.012889642	down	hsa_circ_0093	0.00099	2.301798	down	hsa-circRN	1.41E-05
2.279565419	down	hsa_circ_0135	0.000341	2.162226	down	hsa_circ_0	0.000168
2.171577634	down	hsa_circ_0035	0.000683	2.453544	down	hsa-circRN	0.000171
2.41653445	down	hsa_circ_0023	7E-06	2.360354	down	hsa_circ_0	0.000109
2.099891957	down	hsa_circ_0110	6.73E-05	2.029557	down	hsa_circ_0	2.77E-05
2.131486969	down	hsa_circ_0121	0.005762	2.01997	down	hsa-circRN	0.000636
3.810693406	down	hsa_circ_0065	0.00067	2.104528	down	hsa_circ_0	0.005211

2.866966634	down	hsa_circ_0073	0.000229	2.187421	down	hsa_circ_0	0.013358
2.05171716	down	hsa_circ_0105	0.010175	2.248102	down	hsa-circRN	0.000136
2.016895453	down	hsa_circ_0054	1.78E-05	2.076331	down	hsa_circ_0	0.005403
2.080107961	down	hsa_circ_0132	1.46E-05	2.506747	down	hsa_circ_0	0.001983
2.042530516	down	hsa-circRNA1	0.005479	2.007126	down	hsa_circ_0	0.00057
2.050496774	down	hsa_circ_0025	0.004564	2.029801	down	hsa_circ_0	0.000443
2.184922096	down	hsa-circRNA1	4.27E-05	2.673673	down	hsa_circ_0	0.000159
2.081901007	down	hsa_circ_0135	7.05E-05	2.035123	down	hsa_circ_0	0.003838
2.065693017	down	hsa_circ_0053	7.44E-06	2.095264	down	hsa_circ_0	0.00208
3.005908204	down	hsa_circ_0125	0.000417	2.996844	down	hsa_circ_0	8.11E-05
2.111250301	down	hsa_circ_0081	0.044018	2.122817	down	hsa_circ_0	0.000202
2.037937182	down	hsa_circ_0008	0.0005	2.078102	down	hsa-circRN	0.002799
2.114247659	down	hsa-circRNA6	0.015843	2.057803	down	hsa-circRN	0.013046
2.307664638	down	hsa-circRNA1	4.36E-05	2.27687	down	hsa_circ_0	6.51E-05
2.537799451	down	hsa_circ_0094	4.5E-05	3.150129	down	hsa_circ_0	0.014207
2.130719569	down	hsa_circ_0113	1.41E-05	2.050233	down	hsa_circ_0	0.000316
2.178782433	down	hsa_circ_0017	0.000128	2.088107	down	hsa-circRN	0.009837
2.0269499	down	hsa-circRNA1	0.000314	2.1942	down	hsa_circ_0	0.000189
3.551008443	down	hsa-circRNA3	0.000174	2.137497	down	hsa_circ_0	0.000113
2.050735901	down	hsa_circ_0095	0.029058	2.166515	down	hsa_circ_0	2.18E-05
2.198787236	down	hsa_circ_0035	6.72E-05	2.232913	down	hsa_circ_0	0.000259
2.593127396	down	hsa_circ_0136	1.97E-05	2.094899	down	hsa_circ_0	0.003985
2.072661142	down	hsa-circRNA1	0.000934	2.112508	down	hsa_circ_0	5.2E-05
2.739637046	down	hsa_circ_0025	0.010728	2.020054	down	hsa_circ_0	0.011516
2.053814733	down	hsa_circ_0031	0.00156	2.244883	down	hsa-circRN	0.00062
2.154710128	down	hsa_circ_0056	6.37E-05	2.213799	down	hsa_circ_0	0.00115
2.01942286	down	hsa_circ_0072	0.000165	2.12843	down	hsa_circ_0	0.001677
2.084351139	down	hsa_circ_0126	2.86E-06	2.413006	down	hsa_circ_0	1.39E-05
2.008439541	down	hsa-circRNA1	0.000797	2.111007	down	hsa-circRN	0.000127
2.10857764	down	hsa_circ_0130	0.000774	2.185024	down	hsa_circ_0	7.33E-05
2.417335969	down	hsa-circRNA1	0.003997	2.163635	down	hsa_circ_0	4.61E-05
2.18711265	down	hsa_circ_0102	0.001275	2.314706	down	hsa-circRN	0.000334
2.001665256	down	hsa_circ_0111	0.005786	2.001504	down	hsa_circ_0	0.013875
2.33217209	down	hsa_circ_0053	0.000435	2.082373	down	hsa_circ_0	1.06E-05
2.133209706	down	hsa-circRNA1	6.03E-05	2.112173	down	hsa_circ_0	5.1E-05
2.166494175	down	hsa_circ_0020	0.000156	2.427172	down	hsa_circ_0	1.54E-05
2.200529463	down	hsa-circRNA1	0.000497	2.207428	down	hsa_circ_0	1.06E-05
2.035383328	down	hsa_circ_0088	0.000215	2.041435	down	hsa_circ_0	0.000213
2.11840193	down	hsa_circ_0035	0.000392	2.022385	down	hsa_circ_0	0.004935
2.02522445	down	hsa-circRNA1	0.015208	2.010472	down	hsa_circ_0	3.28E-06
2.412145885	down	hsa-circRNA5	0.000655	2.106698	down	hsa_circ_0	0.000203
2.132112527	down	hsa_circ_0027	0.000801	2.341658	down	hsa-circRN	0.001793
2.05995832	down	hsa_circ_0071	5.69E-05	2.199458	down	hsa_circ_0	0.00046
2.176947758	down	hsa_circ_0115	8.32E-05	2.099835	down	hsa_circ_0	8.1E-05
2.474938184	down	hsa-circRNA6	0.00174	2.286723	down	hsa-circRN	0.000859
2.259971093	down	hsa_circ_0127	0.001215	2.146929	down	hsa_circ_0	0.00026
2.089887594	down	hsa_circ_0042	0.000326	2.567331	down	hsa_circ_0	0.002058
2.105175327	down	hsa_circ_0126	0.002508	2.01293	down	hsa_circ_0	0.000101
2.307730557	down	hsa_circ_0114	0.003405	2.19479	down	hsa_circ_0	1.68E-05
2.197990702	down	hsa_circ_0027	0.00263	2.246771	down	hsa_circ_0	0.002631

2.071456977	down	hsa_circ_0087	0.000397	2.491186	down	hsa_circ_0	0.016141
2.089235812	down	hsa_circ_0117	4.73E-05	2.756622	down	hsa_circ_0	5.91E-05
2.360383982	down	hsa-circRNA1	9.88E-05	2.084468	down	hsa-circRN	0.000132
2.238304292	down	hsa_circ_0120	0.00014	2.0402	down	hsa_circ_0	3.78E-05
2.218147817	down	hsa-circRNA7	0.001129	2.025274	down	hsa_circ_0	8.26E-05
2.433741708	down	hsa_circ_0120	0.005902	2.749379	down	hsa_circ_0	0.000171
2.030028282	down	hsa_circ_0091	0.000117	2.218685	down	hsa_circ_0	0.002458
2.421072774	down	hsa_circ_0053	0.000133	2.525174	down	hsa-circRN	0.000373
2.052082825	down	hsa-circRNA2	7.87E-06	2.039374	down	hsa_circ_0	0.001515
2.302853747	down	hsa_circ_0136	0.000592	2.034958	down	hsa-circRN	0.000998
2.020301124	down	hsa-circRNA1	0.000218	2.165227	down	hsa-circRN	0.010698
2.066312085	down	hsa_circ_0090	0.000153	2.049276	down	hsa_circ_0	0.003879
2.39672384	down	hsa-circRNA8	1.6E-05	2.288327	down	hsa_circ_0	0.000267
2.183132326	down	hsa_circ_0077	0.000111	2.469188	down	hsa_circ_0	0.023939
2.116132324	down	hsa_circ_0001	0.000932	2.078597	down	hsa_circ_0	2.14E-05
2.10778382	down	hsa_circ_0027	0.000775	2.637088	down	hsa_circ_0	6.82E-05
2.326213799	down	hsa_circ_0083	5.11E-05	2.179454	down	hsa-circRN	7.81E-05
2.070021401	down	hsa_circ_0075	0.001195	2.087645	down	hsa-circRN	7.5E-05
2.373312466	down	hsa_circ_0025	0.000246	2.653697	down	hsa_circ_0	0.002908
2.035085776	down	hsa-circRNA7	0.018618	2.328742	down	hsa_circ_0	1.16E-05
2.264546703	down	hsa_circ_0053	0.002182	2.049229	down	hsa_circ_0	5.86E-05
2.578462325	down	hsa_circ_0025	0.007394	2.222541	down	hsa-circRN	0.006114
2.287940502	down	hsa-circRNA1	0.002084	2.104753	down	hsa_circ_0	0.003905
2.081365928	down	hsa-circRNA1	0.007731	2.321734	down	hsa_circ_0	0.000358
2.278389655	down	hsa-circRNA3	6.35E-06	2.229181	down	hsa_circ_0	0.000115
2.037467985	down	hsa_circ_0081	0.00293	2.01447	down	hsa_circ_0	0.000564
2.375768897	down	hsa_circ_0108	0.036058	2.61981	down	hsa_circ_0	0.000599
3.232892469	down	hsa_circ_0004	0.003709	2.257714	down	hsa_circ_0	0.013881
2.175516293	down	hsa-circRNA5	8.51E-05	2.570535	down	hsa_circ_0	2.43E-05
2.11421572	down	hsa_circ_0023	1.75E-05	2.492776	down	hsa_circ_0	0.000268
2.343358742	down	hsa_circ_0054	0.000562	2.133374	down	hsa_circ_0	9.22E-05
2.110274095	down	hsa_circ_0092	0.04384	2.226338	down	hsa_circ_0	8.8E-05
2.445351438	down	hsa_circ_0060	0.010136	2.171253	down	hsa_circ_0	0.000174
2.001406646	down	hsa_circ_0121	0.001272	2.078115	down	hsa_circ_0	0.000234
2.082799946	down	hsa_circ_0067	0.000281	2.178572	down	hsa-circRN	0.000243
2.463417375	down	hsa_circ_0031	6.64E-05	2.703176	down	hsa_circ_0	0.027945
2.078349043	down	hsa_circ_0007	0.001603	2.484025	down	hsa_circ_0	0.019892
2.152968919	down	hsa_circ_0126	8.92E-05	2.001546	down	hsa_circ_0	1.62E-05
2.573662326	down	hsa-circRNA7	0.011526	2.594165	down	hsa_circ_0	0.000163
2.332271935	down	hsa-circRNA1	0.012355	2.099808	down	hsa_circ_0	0.00313
2.141837678	down	hsa_circ_0095	0.008513	2.051217	down	hsa_circ_0	0.000259
2.109095187	down	hsa-circRNA6	0.00052	2.671576	down	hsa_circ_0	6.06E-05
2.033396928	down	hsa_circ_0094	3.85E-05	2.21084	down	hsa-circRN	0.000577
2.041926147	down	hsa_circ_0097	0.00234	2.018772	down	hsa_circ_0	0.014971
2.01550612	down	hsa_circ_0057	0.02728	2.091325	down	hsa_circ_0	4.17E-05
2.179309799	down	hsa_circ_0028	0.000191	2.541256	down	hsa_circ_0	0.001269
2.188368736	down	hsa_circ_0120	0.000706	2.01614	down	hsa_circ_0	7.31E-06
2.249904947	down	hsa_circ_0134	0.001245	2.151117	down	hsa_circ_0	0.000694
2.756159754	down	hsa_circ_0115	0.003518	2.176608	down	hsa_circ_0	0.000185
2.219244306	down	hsa_circ_0127	0.001605	2.129916	down	hsa-circRN	0.019351

2.019320881	down	hsa_circ_0102	0.000515	2.461366	down	hsa_circ_0102	3.83E-07
2.500377067	down	hsa_circ_0035	0.000325	2.086581	down	hsa_circ_0035	0.000612
2.354972614	down	hsa_circ_0117	0.004725	2.027332	down	hsa_circ_0117	0.00084
2.105038982	down	hsa_circ_0001	0.000141	2.450596	down	hsa_circ_0001	0.012724
2.178081988	down	hsa_circ_0084	0.000152	2.033125	down	hsa_circ_0084	0.002029
2.069447045	down	hsa_circRNA9	3.2E-05	2.026201	down	hsa_circ_0084	0.002027
2.097936613	down	hsa_circRNA6	0.000622	2.070851	down	hsa_circ_0084	0.001551
2.005623771	down	hsa_circ_0095	0.026283	2.032329	down	hsa_circ_0095	4.02E-05
2.489132969	down	hsa_circ_0025	1.32E-05	2.739595	down	hsa_circ_0025	1.19E-05
2.032729912	down	hsa_circ_0091	0.004771	2.061149	down	hsa_circ_0091	0.001304
2.067994472	down	hsa_circ_0134	0.003497	2.054835	down	hsa_circ_0134	5.7E-06
2.275082226	down	hsa_circ_0054	0.000342	2.12401	down	hsa_circ_0054	0.001446
2.956723618	down	hsa_circ_0112	0.001783	2.048046	down	hsa_circ_0112	0.000581
2.610982141	down	hsa_circ_0123	0.000113	2.24734	down	hsa_circ_0123	0.00675
2.058715583	down	hsa_circ_0004	0.000284	2.194059	down	hsa_circ_0004	0.000185
2.177116705	down	hsa_circ_0031	0.008183	2.010222	down	hsa_circ_0031	0.000101
2.149949744	down	hsa_circ_0115	0.001065	2.38835	down	hsa_circ_0115	2.85E-05
2.014550502	down	hsa_circ_0001	0.00149	2.033701	down	hsa_circ_0001	0.001142
2.091592585	down	hsa_circ_0122	0.001267	2.0555	down	hsa_circ_0122	0.003258
2.067853081	down	hsa_circ_0132	0.00025	2.029568	down	hsa_circ_0132	0.000707
2.271521203	down	hsa_circRNA4	0.000234	2.04955	down	hsa_circ_0132	8.96E-05
2.11337856	down	hsa_circ_0067	0.000995	2.065983	down	hsa_circ_0067	1.94E-06
2.01005154	down	hsa_circ_0115	0.001117	2.177779	down	hsa_circ_0115	0.000135
2.435963065	down	hsa_circRNA7	0.00097	2.474076	down	hsa_circ_0115	0.000678
2.269928909	down	hsa_circ_0005	7.36E-05	2.132392	down	hsa_circ_0005	0.004519
2.326603195	down	hsa_circ_0083	0.00032	2.049389	down	hsa_circ_0083	8.3E-06
2.767000179	down	hsa_circRNA1	0.000432	2.059231	down	hsa_circ_0083	5.92E-05
2.118409945	down	hsa_circRNA1	0.000224	2.048392	down	hsa_circ_0083	4.82E-05
2.370809512	down	hsa_circ_0105	0.000275	2.143126	down	hsa_circ_0105	0.000313
2.072185273	down	hsa_circ_0054	4.46E-05	2.190827	down	hsa_circ_0054	0.001631
2.144338128	down	hsa_circRNA1	0.004281	2.080329	down	hsa_circ_0054	0.011397
2.168507449	down	hsa_circ_0078	7.67E-05	2.379233	down	hsa_circ_0078	8.53E-05
2.21518206	down	hsa_circ_0001	0.002309	2.155605	down	hsa_circ_0001	0.000413
2.345014305	down	hsa_circ_0104	0.003386	2.099627	down	hsa_circ_0104	0.00018
2.352353698	down	hsa_circ_0071	3.64E-05	2.22224	down	hsa_circ_0071	0.004521
2.285675286	down	hsa_circ_0038	0.000104	2.093132	down	hsa_circ_0038	9.97E-05
2.095889919	down	hsa_circ_0104	5.77E-05	2.272358	down	hsa_circ_0104	0.000103
2.194083819	down	hsa_circ_0136	0.047399	2.000287	down	hsa_circ_0136	9.59E-06
2.102692372	down	hsa_circ_0015	9.11E-05	2.017144	down	hsa_circ_0015	0.021143
2.253938363	down	hsa_circ_0070	0.035727	2.085803	down	hsa_circ_0070	2.8E-05
2.141811246	down	hsa_circRNA1	0.000122	2.063213	down	hsa_circ_0070	4.79E-05
2.352326096	down	hsa_circ_0002	3.87E-05	2.011426	down	hsa_circ_0002	0.000851
2.282222381	down	hsa_circ_0044	0.001018	2.286911	down	hsa_circ_0044	0.004327
2.077198351	down	hsa_circ_0047	0.000338	3.577849	down	hsa_circ_0047	0.000227
2.03720019	down	hsa_circ_0098	0.000213	2.322834	down	hsa_circ_0098	6.14E-05
2.823790251	down	hsa_circ_0012	0.000163	2.473486	down	hsa_circ_0012	4.63E-05
2.029065392	down	hsa_circ_0070	0.001204	2.124935	down	hsa_circ_0070	9.48E-06
2.260305922	down	hsa_circ_0101	0.003312	2.682613	down	hsa_circ_0101	0.000422
2.001151313	down	hsa_circ_0106	0.000496	2.056431	down	hsa_circ_0106	0.001934
2.176081314	down	hsa_circ_0093	0.000146	2.537982	down	hsa_circ_0093	0.000295

2.091356624	down	hsa_circ_0032	0.000713	2.062898	down	hsa-circRN	0.000631
2.087510991	down	hsa_circ_0020	0.000751	2.021399	down	hsa_circ_0	0.001532
2.14910751	down	hsa_circ_0011	0.004192	2.02343	down	hsa_circ_0	0.014393
2.080312994	down	hsa_circ_0057	0.000585	2.146804	down	hsa_circ_0	0.000362
2.068104507	down	hsa_circ_0104	0.000864	2.083944	down	hsa_circ_0	0.000332
2.167593617	down	hsa_circ_0013	0.003097	2.014817	down	hsa_circ_0	0.002925
2.001234468	down	hsa_circ_0053	4.17E-05	2.000784	down	hsa_circ_0	8.98E-05
2.036442993	down	hsa_circ_0072	0.001773	2.32258	down	hsa_circ_0	0.002736
2.115159147	down	hsa_circ_0024	3.2E-05	2.794589	down	hsa_circ_0	8.26E-05
2.176176523	down	hsa_circ_0132	0.000182	2.08609	down	hsa_circ_0	5.22E-05
2.394997805	down	hsa-circRNA1	8.36E-05	2.252019	down	hsa_circ_0	0.001381
2.00326405	down	hsa_circ_0133	0.00131	2.187109	down	hsa_circ_0	0.006472
2.247627777	down	hsa_circ_0084	0.000825	2.226274	down	hsa_circ_0	4.58E-05
2.134951609	down	hsa_circ_0071	0.001468	2.147539	down	hsa_circ_0	0.000176
2.131271345	down	hsa_circ_0038	3.27E-06	2.633899	down	hsa_circ_0	0.001669
2.47047967	down	hsa-circRNA1	1.66E-05	2.120936	down	hsa-circRN	0.024031
2.110312179	down	hsa_circ_0071	0.007682	2.564997	down	hsa_circ_0	0.000199
2.025308689	down	hsa_circ_0072	1.07E-05	2.12899	down	hsa_circ_0	8.73E-05
2.023996463	down	hsa_circ_0047	0.000667	2.009573	down	hsa_circ_0	0.000944
2.350601527	down	hsa_circ_0058	0.000431	2.109734	down	hsa-circRN	0.001127
2.035627629	down	hsa_circ_0070	0.001193	2.250566	down	hsa_circ_0	5.15E-05
2.221868852	down	hsa_circ_0091	0.001097	2.207046	down	hsa-circRN	1.87E-05
2.264160605	down	hsa_circ_0127	8.42E-06	2.224937	down	hsa_circ_0	0.000615
2.003046817	down	hsa_circ_0073	0.000492	2.14622	down	hsa_circ_0	0.000376
2.408604527	down	hsa_circ_0134	0.002011	2.260242	down	hsa_circ_0	0.039572
2.121860683	down	hsa_circ_0071	2.77E-05	2.051458	down	hsa_circ_0	0.002765
2.23999926	down	hsa_circ_0077	0.000349	2.442238	down	hsa-circRN	0.000189
2.007809903	down	hsa_circ_0105	1.66E-06	2.319646	down	hsa_circ_0	0.00054
2.083974312	down	hsa_circ_0125	0.004799	2.072636	down	hsa_circ_0	1.1E-05
2.096390893	down	hsa_circ_0084	0.000298	2.021904	down	hsa_circ_0	3.37E-05
2.150716245	down	hsa_circ_0135	0.002656	2.037895	down	hsa_circ_0	0.000752
2.051312	down	hsa_circ_0095	0.000116	2.762512	down	hsa-circRN	0.00067
2.324221522	down	hsa-circRNA9	0.002382	2.00874	down	hsa_circ_0	0.005824
2.054308081	down	hsa-circRNA5	6.95E-05	2.312924	down	hsa-circRN	0.000172
2.186908224	down	hsa_circ_0098	1.94E-05	2.456006	down	hsa-circRN	0.000499
2.197710631	down	hsa_circ_0115	1.69E-05	2.488705	down	hsa-circRN	0.000141
2.007637591	down	hsa_circ_0125	0.009613	2.094115	down	hsa_circ_0	0.000273
2.107208583	down	hsa_circ_0023	0.000403	2.103311	down	hsa_circ_0	0.000453
2.281816513	down	hsa_circ_0036	0.002618	2.04929	down	hsa_circ_0	5.63E-05
2.168081218	down	hsa-circRNA2	3.57E-06	2.208544	down	hsa_circ_0	0.000183
2.038867864	down	hsa_circ_0126	0.001443	2.586805	down	hsa_circ_0	0.004844
2.064854592	down	hsa_circ_0008	0.000273	2.242549	down	hsa_circ_0	9.56E-06
2.225496842	down	hsa_circ_0094	0.001478	3.098221	down	hsa_circ_0	4.04E-05
2.513340677	down	hsa_circ_0064	1.16E-05	2.034211	down	hsa-circRN	0.00014
2.099385908	down	hsa_circ_0084	0.00118	2.033546	down	hsa_circ_0	0.000143
2.277400073	down	hsa_circ_0135	0.000527	2.490171	down	hsa_circ_0	0.000107
2.035893031	down	hsa_circ_0120	0.00059	2.108801	down	hsa_circ_0	0.000233
2.178648978	down	hsa_circ_0102	0.003937	2.025346	down	hsa-circRN	2.72E-06
2.050661382	down	hsa_circ_0016	0.000223	2.106027	down	hsa_circ_0	3.13E-05
2.677707355	down	hsa_circ_0060	0.009088	2.305689	down	hsa_circ_0	0.000376

2.009156135	down	hsa_circ_0117	0.005513	2.717618	down	hsa_circ_0	0.000246
2.089913909	down	hsa_circ_0023	0.000288	2.018035	down	hsa-circRN	0.000127
2.371782756	down	hsa-circRNA6	0.000896	2.057857	down	hsa_circ_0	9.18E-05
2.062691743	down	hsa_circ_0123	0.000226	2.20771	down	hsa-circRN	0.00414
2.19302118	down	hsa_circ_0023	1.52E-05	2.729042	down		
2.02189111	down	hsa-circRNA1	0.000235	2.483752	down		

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Fold changeExpression

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Supplementary Table 6. Differentially expressed circRNAs between the control group and the T2DM ;

circRNA	<i>P</i> value	Fold change	Expression	circRNA
hsa_circ_0126764_CBC1	0.016984	2.022044124	up	hsa_circ_0024204_CBC1
hsa_circ_0006010_CBC1	0.008994	2.249768102	up	hsa_circ_0038475_CBC1
hsa_circ_0136091_CBC1	0.019686	2.086089251	up	hsa_circ_0115355_CBC1
hsa_circ_0086623_CBC1	0.021039	2.239429204	up	hsa_circ_0123377_CBC1
hsa_circ_0092267_CBC1	0.037976	2.380698963	up	hsa_circ_0057526_CBC1
hsa_circ_0030004_CBC1	0.008333	2.171569233	up	hsa-circRNA14362-13_CBC1
hsa_circ_0028442_CBC1	0.026475	2.117823174	up	hsa-circRNA12505-40_CBC1
hsa_circ_0086409_CBC1	0.009374	2.207621066	up	hsa_circ_0099580_CBC1
hsa_circ_0128506_CBC1	0.005903	2.000967017	up	hsa_circ_0132149_CBC1
hsa-circRNA5933-3_CBC1	0.01739	2.016777364	up	hsa_circ_0099712_CBC1
hsa_circ_0084597_CBC1	0.011565	2.363456445	up	hsa_circ_0002949_CBC1
hsa_circ_0118599_CBC1	0.046078	2.614294962	up	hsa_circ_0119824_CBC1
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For Peer Review

group.

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0.017062	2.000066324	down
2.52E-06	2.542557613	down
0.000201	2.406811218	down
0.000583	2.031741273	down
0.007288	2.044468767	down
0.003095	2.089844369	down
4.09E-05	2.993605011	down
2.46E-05	2.24542424	down
3.22E-05	2.090707439	down
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0.00367	2.2526936	down
0.006778	2.278372845	down
0.012888	2.055565017	down
1.31E-05	2.607942265	down
5.93E-05	2.068845013	down
0.008704	2.389676706	down
0.000621	2.075012811	down
5.63E-06	2.639047422	down
0.003383	2.060686807	down
4.42E-06	2.051425721	down
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0.002422	2.714527823	down
0.003722	2.05955015	down
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0.000253	2.563429559	down
9.23E-05	2.605337447	down
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8.16E-05	2.104123072	down
8.21E-05	2.108443015	down
2.84E-05	2.071511941	down
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1.09E-05	2.184603374	down
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0.000361	2.069637581	down
0.000536	2.063793387	down
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3.88E-05	2.143833915	down
8.5E-08	2.014839984	down
3.36E-05	2.052935451	down

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4.41E-05	2.039102786	down
3.83E-06	2.163058447	down
4.68E-05	2.058396585	down
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0.003084	2.107958189	down
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0.000644	2.061351358	down
8.53E-05	2.081487247	down
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0.001399	2.175179101	down
0.00028	2.131779482	down
0.01382	2.336248431	down
0.004293	2.010261036	down
0.003201	2.40727486	down
3.63E-05	2.117571544	down
0.000425	2.074522663	down
0.026402	2.028824444	down
6.15E-06	2.20363372	down
0.000412	2.023562057	down
1.19E-05	2.121358587	down
1.4E-05	2.593678924	down
0.002715	2.203812593	down
0.001632	2.013816321	down
0.000602	2.331389046	down
0.000181	2.231415633	down
5.38E-06	2.292648117	down
0.002966	2.102299855	down
0.00052	2.513982958	down
0.001228	2.042045343	down
0.000769	2.153931464	down
5.87E-05	3.124825585	down
8.3E-05	2.683782994	down
0.001045	2.223356984	down
0.000276	2.418803119	down
1.89E-05	2.173515901	down
0.000639	2.076210312	down
4.73E-05	2.078918174	down

0.027471	2.203433313	down
0.00325	2.021565922	down
0.000458	2.000890996	down
0.007881	2.106009452	down
0.000354	2.030597161	down
0.006166	2.093489678	down
0.000463	2.046251509	down
6.18E-05	2.032700803	down
0.018726	2.146652996	down
0.000783	2.003268932	down
2.75E-05	2.003415707	down
7.07E-05	2.033918246	down
0.001442	2.720158107	down
0.002733	2.482835732	down
8.17E-06	2.227870413	down
0.024117	2.004914565	down
0.000634	2.338996541	down
0.000915	2.413114019	down
0.016334	2.1195399	down
0.001639	2.172988375	down
0.000247	2.200455487	down
0.00156	2.083227533	down
0.030518	2.596996315	down
0.000755	2.171370724	down
0.00085	2.09070733	down
0.045271	2.757653372	down
0.000188	2.062541392	down
0.008013	2.160295676	down
0.001062	2.207422486	down
0.021936	2.39720742	down
0.001191	2.29515655	down
0.000162	2.097118399	down
0.000388	2.331295068	down
0.000107	2.025025571	down
2.81E-05	2.502971825	down
0.043945	2.321890003	down
0.000199	2.0260333	down
0.000241	2.128561308	down
2.75E-05	2.067415777	down
5.48E-05	2.132344127	down
0.019318	2.33055852	down
0.000141	2.066642482	down
0.00299	2.692596243	down
0.003517	2.111676361	down
0.001274	2.038525096	down
0.000394	2.031183164	down
0.016327	2.052072629	down
0.000116	2.038128228	down
0.010039	2.367469583	down
9.87E-06	2.553657577	down

0.000407	2.434532335	down
0.003461	2.030848192	down
0.00649	2.018089589	down
0.001815	2.402770198	down
0.000904	2.011837921	down
9.43E-05	2.480056318	down
0.000196	2.138436326	down
0.021567	2.635843345	down
0.000437	2.107831966	down
0.000619	2.65125938	down
0.006101	2.499580498	down
0.007043	2.52840525	down
0.001047	2.216128369	down
0.000964	2.065063801	down
3.69E-05	2.364913485	down
0.001337	2.103615006	down
0.013703	2.028086648	down
0.000623	2.325437469	down
0.007341	2.007056111	down
0.030765	2.012222535	down
3.22E-05	2.376880398	down
0.01585	2.42942282	down
0.000442	2.02639073	down
0.003875	2.188650857	down
8.89E-05	2.048521197	down
0.001756	2.092396486	down
0.003815	2.209653633	down
0.023147	2.00692372	down
0.012844	2.180202839	down
0.001045	2.005295792	down
3.67E-05	2.21479828	down
0.000448	2.226323696	down
5.19E-06	2.238543506	down
8.47E-06	2.103295369	down
0.000221	2.219494658	down
0.000868	2.156734584	down
0.004119	2.053905306	down
0.014249	2.265975506	down
0.000523	2.014797509	down
0.000837	2.207853239	down
0.000972	2.105351134	down
6.94E-05	2.180658281	down
0.000381	2.078127979	down
0.007131	3.136855292	down
6.22E-06	2.076198538	down
7.9E-05	2.129389005	down
0.019083	2.241442398	down
0.001946	2.214808978	down
0.024165	2.042187648	down
0.009172	2.140891718	down

0.000404	2.106570906	down
0.017851	2.007530192	down
1.59E-05	2.241480822	down
0.000828	2.545941597	down
0.00028	2.007773305	down
4.5E-05	2.389819577	down
0.004618	2.024710277	down
0.001967	2.241561742	down
0.041406	2.015257159	down
0.003666	2.084079848	down
0.002575	2.094283067	down
0.004556	2.018061433	down
0.005869	3.058613298	down
7.36E-06	2.375065718	down
3.1E-05	2.107139669	down
7.68E-06	2.613854259	down
0.027353	2.314565292	down
0.000484	2.011786533	down
0.003664	2.409793957	down
7.96E-06	2.237276476	down
0.003554	2.268477549	down
0.000926	2.028428525	down
0.000399	2.231095763	down
0.000287	2.047232339	down
0.000601	2.261397068	down
0.000237	2.092810067	down
0.048322	2.010384465	down
0.010574	2.097040115	down
0.011606	2.048974235	down
0.000173	2.04473729	down
1.19E-05	2.296681988	down
0.007885	2.051596107	down
0.000937	2.025430808	down
0.041171	2.048887911	down
0.000197	2.254954466	down
0.020424	2.252924181	down
0.002591	2.17597246	down
0.00119	2.219809604	down
0.000981	2.186876682	down
0.007673	2.328856732	down
8.49E-07	2.027801748	down
0.013515	2.013359544	down
0.001369	2.250828764	down
0.008237	2.083793063	down
0.000263	2.361372041	down
0.041905	2.036461123	down
0.002583	2.14348679	down
0.005529	2.088090094	down
0.000805	2.016320158	down
0.004404	2.160058852	down

0.031139	2.08822483	down
0.00011	2.060713137	down
0.028351	2.232374107	down
0.013929	2.308656139	down
0.006886	2.216945432	down
0.015448	2.007605671	down
0.003401	2.142897451	down
7.23E-06	2.239877042	down
0.003653	2.100897498	down
0.000718	2.084424516	down
0.002016	2.27065474	down
0.007437	2.024694516	down
0.00289	2.910284005	down
8.61E-05	2.224313286	down
0.003339	2.005258942	down
0.010986	2.076860887	down
0.019191	2.04363786	down
0.000785	3.188795913	down
0.00299	2.210613842	down
2.99E-05	2.032900299	down
0.00929	2.038271967	down
0.035022	2.115831497	down
0.000783	2.555402109	down
0.000874	2.175732458	down
0.000223	2.636052874	down
9.46E-05	2.037994974	down
0.000299	2.082748292	down
0.013955	2.293529756	down
0.018959	2.38324329	down
4.08E-05	2.139753008	down
0.00255	2.031193319	down
0.005451	2.111027098	down
0.000912	2.168356861	down
0.003909	2.146075743	down
9.52E-06	2.215417485	down
0.000203	2.273572356	down
3.27E-06	2.233575051	down
0.000512	2.064546661	down
0.000243	2.204279834	down
0.005311	2.364696855	down
0.002664	2.26853748	down
0.000421	2.077177201	down
0.01011	2.374705372	down
0.002082	2.302980744	down
0.000148	2.006782937	down
0.015352	2.153964962	down
0.000854	2.225548324	down
0.008611	2.094672695	down
0.000113	2.272997063	down
0.000356	2.010991993	down

1.76E-06	2.574113495	down
5.97E-05	2.013105013	down
0.001893	2.253343858	down
0.034043	2.397358707	down
0.00433	2.040118781	down
0.006564	2.301102939	down
0.006349	2.072077638	down
0.002576	2.016192156	down
0.000911	2.365673341	down
1.05E-05	2.54433863	down
6.93E-05	2.021043177	down
0.000162	2.062534574	down
0.00058	2.029665213	down
3.79E-05	2.10843738	down
0.001715	2.054555332	down
0.000732	2.226937518	down
6.32E-06	2.057534227	down
0.00427	2.467727065	down
9.81E-06	2.065026087	down
0.0005	2.107841974	down
0.001371	2.222050011	down
0.003828	2.450058612	down
1.22E-05	2.16765962	down
3.42E-05	2.137059606	down
0.000363	2.564258285	down
0.004788	2.091507311	down
0.001822	2.064974474	down
0.015895	2.394525176	down
3.35E-05	3.097114926	down
0.000755	2.07690474	down
0.00075	2.110699546	down
7.58E-05	2.653641611	down
0.001741	2.120717125	down
6.51E-06	2.077612562	down
0.001981	2.212480635	down
0.001676	2.022808001	down
0.000662	2.131822067	down
0.007122	2.437550624	down
0.000942	2.002521318	down
0.000344	2.204674038	down
1.53E-05	2.229911809	down
6.2E-05	2.143830362	down
0.001214	2.075431484	down
0.000126	2.251181084	down
0.002222	2.172500674	down
3.27E-06	2.312505635	down
0.002839	2.023899586	down
0.006792	2.391828458	down
0.000143	2.299040846	down
0.017915	2.603582198	down

4.13E-05	2.259137333	down
0.000762	2.159267243	down
5.3E-07	2.3686917	down
0.000218	2.356384972	down
0.000381	2.09875306	down
0.016763	2.052461473	down
0.030042	2.012319795	down
4.49E-05	2.641793132	down
0.005345	2.034364907	down
0.000766	2.162544421	down
0.004827	2.301022273	down
0.000243	2.357203534	down
0.004951	2.071058139	down
0.000706	2.002463388	down
0.000949	2.127114155	down
0.009669	2.015633302	down
0.003144	2.15590979	down
0.000548	2.131816304	down
0.008344	2.019168399	down
1.6E-05	2.057378968	down
0.000175	2.043994293	down
0.001656	2.017862299	down
0.003207	2.322783732	down
0.000608	2.325584155	down
0.000437	2.318776195	down
3.4E-05	2.614294586	down
0.003982	2.024842651	down
0.007276	2.015608927	down
0.023981	2.004296303	down
0.00802	2.024246461	down
0.001037	2.104623925	down
0.002727	2.654122629	down
5.9E-05	2.586703755	down
0.00023	2.137310394	down
0.031277	2.357283936	down
0.000183	2.067007274	down
0.00986	2.049994137	down
0.00118	2.461060433	down
0.000639	2.383106295	down
8.19E-05	2.212399388	down
0.000969	2.072136871	down
3.51E-05	2.138538348	down
0.002454	2.094651694	down
0.033727	2.178847503	down
6.72E-05	2.096962448	down
0.001836	2.05975356	down
0.047045	2.277481684	down
0.048137	2.009712267	down
0.000221	2.53183187	down
0.004069	2.007261142	down

0.002296	2.29489645	down
0.001973	3.068453399	down
1.69E-05	2.271773467	down
0.001705	2.078069657	down
0.003134	2.04373036	down
0.000206	2.41579659	down
0.000553	2.012071679	down
0.000132	2.061223946	down
1.66E-05	2.160935869	down
4.87E-05	2.178640723	down
0.005026	2.812544445	down
0.003702	2.859665876	down
0.037356	2.025369231	down

For Peer Review

Supplementary Table 7. Differentially expressed circRNAs between the control group and the c

circRNA	P value	Fold change	Expression	circRNA
hsa_circ_0138686_CBC1	0.035192	2.026978237	up	hsa_circ_0099580_CBC1
hsa_circ_0000965_CBC1	0.001969	2.032160077	up	hsa_circ_0134682_CBC1
hsa_circ_0123039_CBC1	0.016452	2.098663613	up	hsa_circ_0097987_CBC1
hsa_circ_0110784_CBC1	0.002362	2.108163671	up	hsa_circ_0129392_CBC1
hsa-circRNA1721-10_CBC1	0.012351	2.291017984	up	hsa_circ_0118616_CBC1
hsa_circ_0104690_CBC1	0.004948	2.150079858	up	hsa_circ_0104077_CBC1
hsa-circRNA15743-4_CBC1	2.8E-05	2.102581473	up	hsa_circ_0089925_CBC1
hsa_circ_0068498_CBC1	0.040915	2.385498517	up	hsa_circ_0056990_CBC1
hsa_circ_0097101_CBC1	0.014895	2.324084184	up	hsa_circ_0134770_CBC1
hsa_circ_0081170_CBC1	0.045165	2.117840388	up	hsa_circ_0127781_CBC1
hsa_circ_0092267_CBC1	0.020145	2.691547818	up	hsa_circ_0126894_CBC1
hsa_circ_0120106_CBC1	0.007423	2.198070226	up	hsa-circRNA9428-41_CBC1
hsa_circ_0078009_CBC1	0.035537	2.04399502	up	hsa_circ_0040028_CBC1
hsa_circ_0130545_CBC1	0.022564	2.274689356	up	hsa_circ_0025754_CBC1
hsa_circ_0058644_CBC1	0.008582	2.035981556	up	hsa_circ_0069228_CBC1
hsa_circ_0101180_CBC1	0.005562	2.03173148	up	hsa_circ_0117499_CBC1
hsa_circ_0010992_CBC1	0.007319	2.808694123	up	hsa_circ_0010538_CBC1
hsa_circ_0128506_CBC1	5.9E-05	2.321305428	up	hsa_circ_0083328_CBC1
hsa_circ_0062841_CBC1	0.0061	2.147563114	up	hsa_circ_0126626_CBC1
hsa_circ_0098274_CBC1	0.000554	2.412577415	up	hsa_circ_0115757_CBC1
hsa_circ_0121264_CBC1	0.011414	2.17692387	up	hsa_circ_0009036_CBC1
hsa_circ_0121598_CBC1	0.001885	2.071681178	up	hsa_circ_0134985_CBC1
hsa-circRNA810-4_CBC1	0.029449	2.484362067	up	hsa_circ_0128058_CBC1
hsa_circ_0119469_CBC1	0.01116	2.009871862	up	hsa_circ_0111391_CBC1
hsa_circ_0054129_CBC1	0.001006	2.49772878	up	hsa_circ_0080952_CBC1
hsa_circ_0051306_CBC1	0.00019	2.102600915	up	hsa_circ_0088329_CBC1
hsa-circRNA5388-5_CBC1	0.003012	2.078769836	up	hsa_circ_0114797_CBC1
hsa_circ_0102239_CBC1	0.010494	2.265609229	up	hsa_circ_0130488_CBC1
hsa_circ_0122565_CBC1	0.000844	2.011996587	up	hsa_circ_0105010_CBC1
hsa_circ_0099977_CBC1	0.003571	2.026424881	up	hsa_circ_0129104_CBC1
hsa_circ_0040639_CBC1	0.007817	2.106413741	up	hsa_circ_0136904_CBC1
hsa_circ_0052031_CBC1	0.032639	2.181262518	up	hsa_circ_0109310_CBC1
hsa-circRNA9191-21_CBC1	0.000728	2.125687664	up	hsa-circRNA6510-1_CBC1
hsa_circ_0036773_CBC1	0.000308	2.071840019	up	hsa_circ_0126693_CBC1
hsa_circ_0095310_CBC1	0.001214	2.340261232	up	hsa_circ_0109314_CBC1
hsa_circ_0102170_CBC1	0.049671	2.030599432	up	hsa-circRNA14588-10_CBC
hsa_circ_0074571_CBC1	0.009755	2.052714858	up	hsa_circ_0075043_CBC1
hsa_circ_0093158_CBC1	0.011005	2.029571912	up	hsa_circ_0132137_CBC1
hsa_circ_0035123_CBC1	0.018438	2.541242919	up	hsa_circ_0038434_CBC1
hsa_circ_0133937_CBC1	0.001153	2.009375232	up	hsa_circ_0025977_CBC1
hsa_circ_0117312_CBC1	0.00524	2.011365074	up	hsa_circ_0117264_CBC1
hsa_circ_0124389_CBC1	0.008921	2.381507693	up	hsa_circ_0093710_CBC1
hsa_circ_0052283_CBC1	0.031251	2.159410021	up	hsa_circ_0103333_CBC1
hsa_circ_0104691_CBC1	0.00207	2.301995355	up	hsa-circRNA8505-38_CBC1
hsa_circ_0018423_CBC1	0.009082	2.184349379	up	hsa_circ_0001481_CBC1
hsa_circ_0083776_CBC1	0.002421	2.009678008	up	hsa_circ_0106175_CBC1
hsa_circ_0010993_CBC1	0.000412	2.300353807	up	hsa_circ_0096651_CBC1
hsa_circ_0035156_CBC1	0.02341	2.046739199	up	hsa_circ_0030811_CBC1

hsa_circ_0109884_CBC1	0.001085	2.087497689	up	hsa_circ_0087214_CBC1
hsa_circ_0082025_CBC1	0.001067	2.106546907	up	hsa_circ_0099711_CBC1
hsa_circ_0003562_CBC1	0.002618	2.053829228	up	hsa-circRNA11806-28_CBC
hsa_circ_0077770_CBC1	0.012994	2.008946891	up	hsa_circ_0099473_CBC1
hsa_circ_0049995_CBC1	0.045987	2.868329028	up	hsa_circ_0126210_CBC1
hsa_circ_0094788_CBC1	0.008787	2.152524686	up	hsa_circ_0045800_CBC1
hsa-circRNA5273_CBC1	0.004387	2.037482259	up	hsa-circRNA16072-34_CBC
hsa_circ_0124636_CBC1	0.022045	2.544396641	up	hsa_circ_0078837_CBC1
hsa-circRNA1257-28_CBC1	0.00036	2.175869008	up	hsa-circRNA15259-13_CBC
hsa_circ_0133199_CBC1	0.022573	2.193108766	up	hsa_circ_0108191_CBC1
hsa_circ_0054633_CBC1	0.024097	2.377909196	up	hsa_circ_0007709_CBC1
hsa_circ_0095763_CBC1	0.033345	2.182123806	up	hsa_circ_0030732_CBC1
hsa_circ_0106442_CBC1	0.023753	2.041210033	up	hsa_circ_0078178_CBC1
hsa_circ_0122623_CBC1	0.02534	2.06665018	up	hsa-circRNA4388-10_CBC1
hsa-circRNA9102-60_CBC1	0.023401	2.070772185	up	hsa_circ_0087212_CBC1
hsa_circ_0093170_CBC1	0.035578	2.176181773	up	hsa-circRNA427-19_CBC1
hsa-circRNA9845-8_CBC1	0.006576	2.001826796	up	hsa_circ_0067649_CBC1
hsa-circRNA5149-6_CBC1	0.007994	2.156815687	up	hsa_circ_0099822_CBC1
hsa_circ_0094710_CBC1	0.020696	2.135694717	up	hsa-circRNA14363-14_CBC
hsa_circ_0126977_CBC1	0.014419	2.009408872	up	hsa_circ_0140081_CBC1
hsa_circ_0047263_CBC1	0.012342	2.039163595	up	hsa_circ_0071250_CBC1
hsa-circRNA10710-18_CBC1	0.015364	3.208832259	up	hsa_circ_0038424_CBC1
hsa-circRNA5974-1_CBC1	0.040159	2.703035544	up	hsa-circRNA11783-2_CBC1
hsa_circ_0134121_CBC1	0.042415	2.05238185	up	hsa_circ_0119915_CBC1
hsa_circ_0082410_CBC1	0.032004	2.375855729	up	hsa_circ_0003132_CBC1
hsa-circRNA7603-4_CBC1	0.006714	2.152242294	up	
hsa_circ_0044241_CBC1	0.010517	2.187052464	up	
hsa_circ_0094757_CBC1	0.042232	2.091375238	up	
hsa_circ_0088476_CBC1	0.027591	2.069240161	up	
hsa_circ_0093731_CBC1	0.023243	2.120562206	up	
hsa_circ_0112830_CBC1	0.034434	2.031539618	up	
hsa_circ_0012158_CBC1	0.002071	2.025133271	up	
hsa_circ_0115532_CBC1	0.021387	2.153342286	up	
hsa_circ_0111612_CBC1	0.043589	2.174998689	up	
hsa_circ_0103221_CBC1	0.036628	2.276566983	up	
hsa_circ_0105688_CBC1	0.041466	2.275613913	up	
hsa_circ_0125634_CBC1	0.037649	2.670597428	up	
hsa_circ_0110718_CBC1	0.023501	2.123500711	up	
hsa_circ_0015384_CBC1	0.008731	2.133436746	up	
hsa_circ_0003067_CBC1	0.013544	2.051434345	up	
hsa-circRNA4746-8_CBC1	0.040647	2.142408169	up	
hsa_circ_0073291_CBC1	0.01654	2.081566052	up	
hsa_circ_0106460_CBC1	0.048013	2.143576252	up	
hsa-circRNA4314_CBC1	0.016172	2.247273933	up	
hsa-circRNA1757-5_CBC1	0.001831	2.190238148	up	
hsa-circRNA9806-2_CBC1	0.000233	2.177097473	up	
hsa_circ_0025628_CBC1	0.013753	2.169223577	up	
hsa_circ_0049807_CBC1	0.009284	2.359208833	up	
hsa_circ_0138095_CBC1	0.012992	2.071745196	up	
hsa_circ_0030682_CBC1	0.014389	2.268877469	up	

hsa_circ_0120101_CBC1	0.003764	2.33418433	up
hsa_circ_0117480_CBC1	0.005933	2.009720453	up
hsa_circ_0106070_CBC1	0.011699	2.002505528	up
hsa-circRNA905-3_CBC1	0.000502	2.029750579	up
hsa_circ_0048532_CBC1	0.023218	2.090300437	up
hsa_circ_0047680_CBC1	0.004182	2.409030854	up
hsa_circ_0126850_CBC1	0.004438	2.270157216	up
hsa_circ_0100136_CBC1	0.007116	2.06606637	up
hsa_circ_0049485_CBC1	0.010284	2.368658772	up
hsa_circ_0007849_CBC1	3.92E-05	2.066038997	up
hsa_circ_0069723_CBC1	0.026516	2.03263279	up
hsa-circRNA4855-2_CBC1	0.000711	2.08831375	up
hsa_circ_0082081_CBC1	0.018948	2.488053473	up
hsa_circ_0011285_CBC1	0.028233	2.078329113	up
hsa_circ_0095667_CBC1	0.003426	2.005686384	up
hsa_circ_0139110_CBC1	0.038496	2.171493491	up
hsa_circ_0093781_CBC1	0.002071	2.122123825	up
hsa_circ_0068879_CBC1	0.004026	2.345041135	up
hsa_circ_0032850_CBC1	0.000722	2.371651954	up
hsa_circ_0105486_CBC1	0.013992	2.076075123	up
hsa_circ_0079753_CBC1	0.000438	2.008890154	up
hsa_circ_0097816_CBC1	4.92E-05	2.095803508	up
hsa_circ_0116926_CBC1	0.003063	3.078579348	up
hsa_circ_0066857_CBC1	0.001734	2.085880305	up
hsa_circ_0092576_CBC1	0.037506	2.377611387	up
hsa_circ_0133936_CBC1	0.003693	2.351895709	up
hsa_circ_0062596_CBC1	0.018376	3.137173261	up
hsa_circ_0136529_CBC1	0.015736	2.3139417	up
hsa_circ_0139145_CBC1	0.028825	2.022197686	up
hsa_circ_0062839_CBC1	0.00327	2.073265251	up
hsa_circ_0074720_CBC1	0.047034	2.003609905	up
hsa-circRNA11759-7_CBC1	0.042928	2.03710257	up
hsa_circ_0130831_CBC1	0.009261	2.037314271	up
hsa-circRNA6053-3_CBC1	0.044562	2.389274827	up
hsa_circ_0067053_CBC1	0.001943	2.192211956	up
hsa_circ_0023573_CBC1	0.014873	2.316499568	up
hsa_circ_0057699_CBC1	0.04688	2.606352429	up
hsa_circ_0136077_CBC1	0.029181	2.181367341	up
hsa_circ_0037118_CBC1	0.002848	2.433619175	up
hsa_circ_0054663_CBC1	0.038466	2.08966537	up
hsa-circRNA11777-9_CBC1	0.001298	2.044725583	up
hsa-circRNA10251-2_CBC1	0.000104	2.067433674	up
hsa_circ_0091427_CBC1	0.011876	2.180037904	up
hsa_circ_0035125_CBC1	0.022637	2.197673436	up
hsa_circ_0137009_CBC1	0.043984	2.065151111	up
hsa_circ_0121026_CBC1	0.044969	2.016154821	up
hsa_circ_0047752_CBC1	0.002957	2.0288086	up
hsa-circRNA13247-1_CBC1	0.049468	2.343046615	up
hsa_circ_0077821_CBC1	0.000368	2.359767055	up

Combination group.

<i>P</i> value	Fold change	Expression
0.011433	2.3605688	down
0.013118	2.050815403	down
0.000105	2.009597861	down
0.037689	2.538887198	down
0.009994	2.195209912	down
0.03442	2.208018633	down
0.022347	2.176208521	down
0.031476	2.198079087	down
0.030543	2.331714602	down
0.040857	2.03950605	down
0.018933	2.008209821	down
0.005139	2.351457682	down
0.014367	2.314173883	down
0.004036	2.565017527	down
0.043148	2.067282959	down
0.000721	2.43355519	down
0.003468	2.056223313	down
0.004818	2.260273969	down
0.01686	2.068990593	down
0.029441	2.210412519	down
0.000439	2.309744421	down
0.015459	2.423257538	down
0.006971	2.78944472	down
0.016497	2.210600082	down
0.04317	2.78209257	down
0.040762	2.136575278	down
0.004545	2.166140845	down
1.78E-06	2.074059039	down
0.033519	2.06578416	down
0.014719	2.741073757	down
0.003064	2.240005564	down
0.03536	2.90549434	down
0.001805	2.286283814	down
0.019399	2.171933693	down
0.022593	2.102030628	down
0.009749	2.055402975	down
0.026082	2.252257854	down
0.000707	2.178954594	down
0.009537	2.048313348	down
0.003914	2.02996528	down
0.0228	2.596917669	down
0.016306	2.02084182	down
0.030486	2.1516764	down
0.005491	2.031315653	down
0.038345	3.765492492	down
0.01834	2.045198502	down
0.035895	2.082102271	down
0.031956	2.508047272	down

0.013086	2.013634184	down
0.028518	2.161528412	down
0.001143	2.149935585	down
0.015392	2.066923726	down
0.041558	2.015297694	down
0.047408	2.110993041	down
0.008494	2.292375135	down
0.026825	2.140403466	down
0.014333	2.390303109	down
0.005018	2.229978809	down
0.00979	2.261823359	down
0.00294	2.096251262	down
0.014084	2.143165478	down
0.013385	2.053546344	down
0.004461	2.111546796	down
0.028091	2.158894619	down
0.004743	2.827014075	down
0.03392	2.02078429	down
0.008583	2.044235799	down
0.027278	2.024636077	down
0.022792	2.332626288	down
0.002224	2.52956452	down
0.001632	2.605909533	down
0.021732	3.054921641	down
0.049196	2.089023816	down