

Table SI. Differential expression profile of circRNAs between pregnant women carrying fetuses with or without Down's syndrome.

Probe ID	circRNA	Fold-change	Regulation	circRNA type	Chromosome	Gene symbol	Sequence
ASCRP001	hsa_circRNA_10	2.334237					CACACAGAAATGGTGATTTGGATATTGAAGATGACATG
723	1364	7	Up	Exonic	chr14	HIF1A	AAAGCACA
ASCRP001	hsa_circRNA_10	3.566758					AACCAGTCTCAGGCCCAGATGTATCTACGGGCCACAAT
381	1010	1	Up	Exonic	chr12	PHC1	TGCTGCCA
ASCRP003	hsa_circRNA_10	2.357950					G TTCAGAGAGGTGTGGACCACTACAACGAGGTGAAGAG
269	2962	9	Up	Exonic	chr2	NDUFA10	CGTCACCA
ASCRP000	hsa_circRNA_10	2.098023					GCTCATGGAGAATCCGCCCTTGTATTTTCACACATCCCT
414	0024	5	Up	Exonic	chr1	NPHP4	AAACCAC
ASCRP001	hsa_circRNA_10	2.322702					TTTAGACTTGCACCAGTAACTCCAGATAGTGGTTATTCA
859	1508	4	Up	Exonic	chr15	CTDSPL2	TCAGCCC
ASCRP000	hsa_circRNA_10	2.327221					GTATTTAAGAAGATTCCCTAACCTCAACCAGAACCCTC
717	0332	2	Up	Exonic	chr1	PIP5K1A	GGACTTTG
ASCRP003	hsa_circRNA_10	11.82926					AAGGAAGCATACTGCTGTACAGCAAACGTACAATGG
988	3694	4	Up	Exonic	chr4	KLHL8	CAGTTGAG

ASCRP005	hsa_circRNA_10	2.437482					TGTGGAAGAAGCTATCAGATCTTGGAGTCTCTGTGGAT
106	4859	3	Up	Exonic	chr9	TMEM245	CGTTATGA
ASCRP002	hsa_circRNA_10	2.390021					CAAATTCTGCCCTGTTCCCTACTGAAGGAACAGATGCTA
217	1875	8	Up	Exonic	chr16	RFWD3	AGGAAAC
ASCRP003	hsa_circRNA_10	3.635998					TACGGTCCTGTTGGTGATGTATATTGGCCAAGTGGCCAA
230	2922	8	Up	Exonic	chr2	SGPP2	GGATGTC
ASCRP001	hsa_circRNA_10	2.978181					TTTGGTATCACATCCATCAAGGGGGAAAGGTGGATTTC
232	0858	5	Up	Exonic	chr11	KDM2A	ATTGACTG
ASCRP005	hsa_circRNA_10	2.559892					TGGACAACAGAAGACTGGACTGAAGATGATTTGGACGT
015	4765	3	Up	Exonic	chr9	UBAP2	GGCAGAGG
ASCRP001	hsa_circRNA_10	2.235447					CACTATCATCACCATGGAAAAAGTGACTTGAGCAGGAT
011	0637	2	Up	Exonic	chr10	FAM190B	ATTTTGAA
ASCRP002	hsa_circRNA_10	3.033297					GTTACCTTCAAGGCAAAATACATATCTCAGTGCATTGA
725	2406	5	Up	Exonic	chr19	AP3D1	TGAGATC
ASCRP001	hsa_circRNA_10	8.245221					ACTTGAGGGAGCCCAATCAATTGAGCAGAGACTGATGA
409	1039	3	Up	Exonic	chr12	DENND5B	AAATGGAT
ASCRP004	hsa_circRNA_10	3.554706	Up	Exonic	chr7	NRF1	AATTCAGTCTCTGTGGACAAAATGACCCAGTAGAACT

735	4481	3					TCATGGAG
ASCRP004	hsa_circRNA_10	6.959129					TTCAGGCTGTCCAGAAGTTTCAGATTGCCAAAAGACAA
460	4187	7	Up	Exonic	chr6	ARHGAP18	AACGGGTA
ASCRP004	hsa_circRNA_10	2.154042					ATGCTTCCAGGACCTTAAAGAAGCCAACTTCGACATCA
623	4361	7	Up	Exonic	chr7	OGDH	ATCAGCTA
ASCRP002	hsa_circRNA_10	2.101377					CACTGCACAGAGCCCAGAGGCTCATCAGGACTTGTA
419	2084	6	Up	Exonic	chr17	NBR1	CAGCAGAC
ASCRP005	hsa_circRNA_40	3.245344					GGGCGGGCTCACATGGCTGGGTACGGAAAGGAGAGAG
393	0100	3	Up	Intronic	chr9	GTF3C5	CAAACACTC
ASCRP001	hsa_circRNA_10	2.099204					AGTCCAAAGAACATGACCTTTGACCTGCCATCAGATG
662	1303	3	Up	Exonic	chr13	LAMP1	CCACAGTG
ASCRP004	hsa_circRNA_10	2.919201					AGCCCAGGACAGCCATCGAGACTTTGCTGTGCTACCTG
976	4725	3	Up	Exonic	chr8	RECQL4	GAGCTGCA
ASCRP005	hsa_circRNA_10	2.262554					GGTCTTAGAGAGTTGTGGAAAGTAAAAATGTAGCCCTA
117	4870	8	Up	Exonic	chr9	PTGR1	CCAAAAGG
ASCRP001	hsa_circRNA_10	3.272992					AGCTAAAAGCTTCCATGAAGCACTCTACACCCCCAAGT
892	1541	1	Up	Exonic	chr15	ANXA2	GCATATGG

ASCRP002	hsa_circRNA_10	5.646357					GATCCACCAGGTTGGCTATACAGTGCGCTTTGATGATGT
305	1965	9	Up	Exonic	chr17	DHX33	CACCTCA
ASCRP001	hsa_circRNA_10	2.820090					CGTAAACTTCAAAAAAATTGCCACCTTCCAGAGAAGAG
245	0872	1	Up	Exonic	chr11	PPFIA1	GTACGAGA
ASCRP000	hsa_circRNA_10	2.544806					TGTACTGTTGGCATGTACTGGCATTGAAAACATTGACG
609	0221	4	Up	Exonic	chr1	FAF1	AAGCTATT
ASCRP000	hsa_circRNA_00	2.457033					GTGACAACGTTTATCAGGAACTGTTGCCGTTATTACATC
291	1535	2	Up	Exonic	chr7	NAA38	AGATGGG
ASCRP004	hsa_circRNA_10	2.109507					AAGAGGCAACAAACACGTTTGCTTCGTAGAACTTCATG
734	4480	3	Up	Exonic	chr7	NRF1	GAGGAACA
ASCRP002	hsa_circRNA_10	2.066785					TCAGATCCGTAAGGCAAAATACATATCTCAGTGCATTG
724	2405	9	Up	Exonic	chr19	AP3D1	ATGAGATC
ASCRP002	hsa_circRNA_10	2.768172					TTGGGGAGCGGATAAACATCACGATGCTGCTCATGAAA
726	2407	9	Up	Exonic	chr19	DOT1L	TCATCGAG
ASCRP003	hsa_circRNA_10	2.982073					CCACTGACAGTGCTGTCACTGATGGGATCCCAGCTGCTT
578	3280	6	Up	Exonic	chr3	RPUSD3	CTGAGGG
ASCRP001	hsa_circRNA_10	4.084043	Up	Exonic	chr11	NUP160	TACCGCAAGGGTTTTACGACTACTAGATGTCATTGGTTT

191	0817	7					GCCTGAA
ASCRP003	hsa_circRNA_10	3.117025					CCCTATGCAGGCAAGAGGAGGAGCGAGGCCGGGTATA
481	3182	1	Up	Exonic	chr22	SPECC1L	CAATTACAT
ASCRP005	hsa_circRNA_10	2.088660					TAGCAGCTGGCCTACCGATGTTACCGTGCTCAGGAAA
083	4835	7	Up	Exonic	chr9	SLC35D2	TTCACCAT
ASCRP001	hsa_circRNA_10	2.843328					CGAAAGAAAGTCCACCCACAAATGAATTATCAGGAGTG
585	1222	5	Up	Exonic	chr13	TPTE2	AACCCAGA
ASCRP000	hsa_circRNA_10	2.005100					ATCATTCAGGCGTTGACCCGGACGACACCTATAATGA
810	0427	6	Up	Exonic	chr1	RNPEP	GACCCCT
ASCRP003	hsa_circRNA_10	3.640776					TGTATACTCCACAGGAAATGAAACAGAGGCACTGAGGA
761	3463	4	Up	Exonic	chr3	RUVBL1	CATCACAT
ASCRP002	hsa_circRNA_10	4.007802					TACAGTGAAGTGCCTGAAGAGGCTACTGTGGAGCCGAT
953	2640	8	Up	Exonic	chr2	ATAD2B	ATCAAGGC
ASCRP003	hsa_circRNA_10	2.982757					GCTTTTCCAGGGATGTTTCAGCAGCCCCTGAGAAGGAA
271	2964	1	Up	Exonic	chr2	ANKMY1	GAGGAGGA
ASCRP004	hsa_circRNA_10	2.060245					TGAACACTGGAAATTCGGTTCCTCAAATTATAAAGG
027	3736	5	Up	Exonic	chr4	LARP1B	CAGGAAAG

ASCRP002	hsa_circRNA_10	2.577511					TGTATTGGGTGAGACACAGGACGTAGACAAGTTTGGCA
551	2223	1	Up	Exonic	chr17	NPLOC4	ACGAGATC
ASCRP001	hsa_circRNA_10	2.164978					TCTTCTATGTTTCCACATCGGTCAGAAAAAGATAGGGA
471	1103	1	Up	Exonic	chr12	CNOT2	GACGTGGT
ASCRP001	hsa_circRNA_10	2.465824					TTACCACTGCAAAAAGGTGTGCAAGCCCCGTAACCCCT
825	1474	2	Up	Exonic	chr15	THBS1	GCACGGAT
ASCRP001	hsa_circRNA_10	2.790549					AAGAGAAAAGGAGTTAGCTGTGCCAGTGGTTCATGACG
492	1125	1	Up	Exonic	chr12	DRAM1	GGGGCGCT
ASCRP005	hsa_circRNA_10	3.086909					AAGTGAAGAACTGTGAGGTGGAGCAGTGGGACTCGGAT
030	4780	6	Up	Exonic	chr9	GRHPR	GAGCCCAT
ASCRP000	hsa_circRNA_10						TTCATGGCAGTTAAGGTTTGATGCTGCCAAGTTTGTCAT
622	0234	2.761064	Up	Exonic	chr1	ZYG11A	GAGATGG
ASCRP003	hsa_circRNA_10						CACCACTGCAGATGCCAGTATGGACAGAATAGCTTATG
635	3337	3.582265	Up	Exonic	chr3	ZDHHC3	ATGCTTAT
ASCRP005	hsa_circRNA_40	5.457674					TGGGGGAAATAGAACATGATTTACCCACCCTAAAATGC
302	0006	2	Up	Intronic	chr1	SNHG12	ATTGAAGG
ASCRP002	hsa_circRNA_10	2.613055	Up	Exonic	chr19	C19orf47	TTCGCCGTGGCACCAGTGCCACTCCGAGTGGATCCAGT

861	2548	6					TCTTTAA
ASCRP003	hsa_circRNA_10	2.100896					AGCATCTGCCAAGCAGATTTGACGGGATCTGAACTATA
905	3610	1	Up	Exonic	chr4	GPR125	CACCCAGG
ASCRP000	hsa_circRNA_10	4.370260					GAGACAAACAACATACAAATAACTGATACCGTGCTTCC
668	0280	3	Up	Exonic	chr1	LOC100131564	AGAAGATT
ASCRP001	hsa_circRNA_10	2.025484					GATTTGTCCTTCACTACAGGAGACGCACAGGATCTACA
550	1187	6	Up	Exonic	chr12	TMEM120B	AGCAGAAG
ASCRP003	hsa_circRNA_10	4.394375					TCATCCACCCCAGCCAGAAGGAGCTGAAGAGGAAAAA
653	3355	8	Up	Exonic	chr3	SMARCC1	ATGGAAGCC
ASCRP003	hsa_circRNA_10	2.073292					TCTACTAAAGCCCCGTCGCAGAATTTAGTCTCAAAGGA
339	3033	5	Up	Exonic	chr20	NCOA6	AACTTCAA
ASCRP004	hsa_circRNA_10	2.195757					TAACCGCAGGCATGCTGTCTTGTCGACGGTCTCACTGAT
671	4415	4	Up	Exonic	chr7	POMZP3	GCCTCTT
ASCRP004	hsa_circRNA_10	4.319652					ATTTGTGTTGATGAAGATGAAAGAGACTGCAGGTGCTG
238	3958	6	Up	Exonic	chr5	HSPA9	GAGAATGC
ASCRP000	hsa_circRNA_10	2.704910					CGGCCCACAGCCTCCGGGAGGAGTTCCTGGGACACAGC
625	0237	7	Up	Exonic	chr1	SSBP3	CATTGCTG

ASCRP003	hsa_circRNA_10	2.604177					AGTCAGCAGAACTGAAATAGGTGATGGATGTGGACACA
719	3421	3	Up	Exonic	chr3	DCBLD2	CTGTACTA
ASCRP005	hsa_circRNA_10	2.237507					ACCAAACAAGATGAACCCCAAAAGAACAAGGTG
268	5021	5	Up	Exonic	chrX	RBM41	ATCCCATGA
ASCRP000	hsa_circRNA_10	4.668268					TGAAAATAGCGAGACAGGTACCAGCAACTAAGGTTTCA
901	0519	4	Up	Exonic	chr10	LARP4B	GAGCTGAA
ASCRP005	hsa_circRNA_10	4.336999					ACATCTGGAAGGACTTGGACCCTCTGTGGAACACCCGA
295	5051	2	Up	Exonic	chrY	PRKY	GTACCTAG
ASCRP000	hsa_circRNA_10	2.065183					ACACCACTCTGAATGCACTGAACACAACCTGTGTGTATA
426	0036	1	Up	Exonic	chr1	RERE	TCGAGAGT
ASCRP004	hsa_circRNA_10	2.052609					ACTCCACATGCTTTTGATTGGCTTTGAATCTGGAACAGT
487	4214	5	Up	Exonic	chr6	STXBP5	AGTTTTA
ASCRP003	hsa_circRNA_10	2.629714					TTTATTGCCATGATAATGAGCTTCAGTCCCCAAGATCTG
338	3032	6	Up	Exonic	chr20	ITCH	CGAAGAC
ASCRP000	hsa_circRNA_10						AGGACATCATGGTGGACTCAGGAACCTCCCTTTAAGGAG
419	0029	2.041885	Up	Exonic	chr1	PHF13	CAGCCCCA
ASCRP000	hsa_circRNA_10	2.216179	Up	Exonic	chr1	GON4L	GAAGAAGGAGAATGGAACAAAAGTGGGACTTTTAAAA

743	0358	4					TGTTGCCCT
ASCRP002	hsa_circRNA_10	2.427620					TCATATACTTTCAACTGAAAGGTTCTTGACGCATTGCA
980	2667	7	Up	Exonic	chr2	BIRC6	AATGCCA
ASCRP001	hsa_circRNA_10	2.691277					TATCATGGTGCTGTAGAACGTGACTGTCATTCTAACCA
562	1199	1	Up	Exonic	chr12	TCTN2	GGTGTAT
ASCRP001	hsa_circRNA_10	4.947496					AGCAAGGAAACCTGGGTAGACGTTACATCCAAGAGGA
378	1007	8	Up	Exonic	chr12	RIMKLB	AATAATCCA
ASCRP004	hsa_circRNA_10	2.244697					TTTACACCAAACATATGTAGAGTGTGTCGGTCAGAAGG
077	3787	1	Up	Exonic	chr5	MARCH6	AACACCTG
ASCRP001	hsa_circRNA_10						CAAACCTACAAGAAAACCTATTTGATTCTTTGACAGGCC
709	1350	2.522428	Up	Exonic	chr14	NEMF	AGCCACAT
ASCRP002	hsa_circRNA_10	2.076710					AAGAATCTCATAGAGCCAACACAGATCTATAGATTCT
363	2028	3	Up	Exonic	chr17	SUZ12	TCGAACTC
ASCRP003	hsa_circRNA_10	3.395549					TTCAGCCCTCCAAGAGAGCCTCCTTTTCACCTGACCAGA
827	3529	1	Up	Exonic	chr3	YEATS2	AGAGGCT
ASCRP004	hsa_circRNA_10	2.901406					ATAGCTTCTCACCTAAGGGACAGCCACAGTGTGGAAG
617	4355	7	Up	Exonic	chr7	POLR2J4	ACCCTGTG

ASCRP002	hsa_circRNA_10	2.358527					ATGGATAAACACCAGTTTCAGCCGACTTTTCAGCTCCT
460	2128	1	Up	Exonic	chr17	SPAG9	CAAGTAA
ASCRP003	hsa_circRNA_10						TGGCACCATGGACCCATCCATTTTCACAGTATTGACTGC
743	3445	2.195087	Up	Exonic	chr3	HGD	TAAGTCT
ASCRP004	hsa_circRNA_10	4.629410					TTGAACAAGGATTTCCTTAGGACCATGGGAGCTCTGTTA
359	4085	1	Up	Exonic	chr6	GPLD1	CTAGAACA
ASCRP001	hsa_circRNA_10	2.576240					GGACCGGCAGGACAATGATTTCTTGCGGAACACAGTGC
830	1479	1	Up	Exonic	chr15	RPUSD2	ACAGGCAT
ASCRP003	hsa_circRNA_10	2.188008					CACCATATTGTAAGTGGACCTCTGTCAGAACTGCAAATT
011	2699	4	Up	Exonic	chr2	MAP4K3	GCATATG
ASCRP001	hsa_circRNA_10	6.774299					ATTCTCCAAAATGTCAGCCATGAACCAGAGAATCAGTC
313	0940	2	Up	Exonic	chr11	YAP1	AGAGTGCT
ASCRP004	hsa_circRNA_10	2.084664					ATTTTTCAAACAAACTCAAGCTCCATGAGGAGATGTTTC
157	3869	1	Up	Exonic	chr5	SMA4	ATTGTCG
ASCRP003	hsa_circRNA_10	2.612517					GGAGGCCCCAGAGCATCCACAAGAATCTAGAAGCAAAA
514	3216	7	Up	Exonic	chr22	GCAT	ATAGCCCGC
ASCRP002	hsa_circRNA_10	2.189820	Up	Exonic	chr19	MARK4	AACCACCCCAACATCGGTTGCCATCAAGATTATCGACA

880	2567	8					AAACCCAG
ASCRP000	hsa_circRNA_00	2.111732					CAATCCAAGGATAACTGCAGCATTGGACTAGAGGTGGA
221	1194	5	Up	Exonic	chr8	FAM49B	GAGAGTGG
ASCRP000	hsa_circRNA_10						CCTTATTCTGCCACAAGTATATGGTTATGATGACTTGCA
732	0347	2.347046	Up	Exonic	chr1	UBAP2L	GATGCTT
ASCRP001	hsa_circRNA_10	2.189369					GAGTTTCAAGGCTCTTGTCAGGATGGTGAAGCTGTTCAT
228	0854	9	Up	Exonic	chr11	RBM4B	CGGAAAC
ASCRP001	hsa_circRNA_10	2.017460					AAATTTCAAGGTCTTAAATCTGGTGCAAACAGCTGCACA
304	0931	6	Up	Exonic	chr11	C11orf73	GCAAGTGG
ASCRP000	hsa_circRNA_00	4.822449					ATCTGACAATTTGATGCAACGGCTCAGGATTGCGTTTCA
364	2002	5	Up	Intronic	chr5	PDE4D	TAAAAAA
ASCRP003	hsa_circRNA_10	2.424083					AGATGAATGATGTCATCACCGTCATCGAGGGAAGAGGC
851	3553	6	Up	Exonic	chr3	TNK2	TGGGAGGC
ASCRP003	hsa_circRNA_10	2.559510					GCAGCTGCAGGTAGAACTTTAGACTTCATAGCACTGAA
382	3078	6	Up	Exonic	chr20	STAU1	TTAACCTG
ASCRP003	hsa_circRNA_10	4.485402					CCCTGTGCAGCTACAGATTCTCGTTGACACTGGAAGCA
438	3135	8	Up	Exonic	chr21	BACE2	GTAACTTT

ASCRP004	hsa_circRNA_10	7.199826					AGAAAAGAAGGTTGGTGATTTGGATATCAGCTATATTA
168	3888	6	Up	Exonic	chr5	ARHGEF28	ATATAGAG
ASCRP003	hsa_circRNA_10	2.202207					TTGATTTTCGGTACTTGAAGTTTATTGAGTTGCCCTTGA
909	3614	1	Up	Exonic	chr4	ZCCHC4	CTCAGAG
ASCRP003	hsa_circRNA_10	2.765608					TTGGCCTCAGCTCTTGAGGATCTTGCTTGTCCTTCCAAACCCA
627	3329	3	Up	Exonic	chr3	ZNF621	GAAGACA
ASCRP002	hsa_circRNA_10	11.74522					AGAGCGATGTGTTGCCATCTGCACGAGGTCAGAGCTGG
869	2556	1	Up	Exonic	chr19	AXL	AGGATTTC
ASCRP005	hsa_circRNA_10	6.878992					GAAAAACAGAATGGAAAAGAGTCTTCTGATCTGGACGT
109	4862	1	Up	Exonic	chr9	C9orf5	TGGTGGTT
ASCRP000	hsa_circRNA_10	2.210380					TATTCCAGATGGCCAAGCATGGGGATCAGCACGAGGGT
739	0354	7	Up	Exonic	chr1	DAP3	CAGCACTA
ASCRP005	hsa_circRNA_10	2.504565					TCCGAGACAACGCGGGCGCTAATATTGACACCTGCTCA
216	4969	9	Up	Exonic	chr9	EHMT1	GAAGACCA
ASCRP003	hsa_circRNA_10	3.466400					CAAAACCAAACAGACCTACTCCAATGAAGTCCATTGTG
985	3691	6	Up	Exonic	chr4	AFF1	TTGAAGAG
ASCRP002	hsa_circRNA_10	2.869740	Up	Exonic	chr17	NPLOC4	TGAAGTTATGCCTCTGCAGGACGTAGACAAGTTTGCA

550	2222	7					ACGAGATC
ASCRP001	hsa_circRNA_10	2.221844					CATGCAAACGGTGGTAAATTCCTCCAGCAGCAACCTC
161	0787	3	Up	Exonic	chr11	CAPRIN1	AGGCTGCA
ASCRP001	hsa_circRNA_10	3.492444					AACCCATGGAATTTGCCAGGGTGAGCCTCTGCACACCC
792	1433	4	Up	Exonic	chr14	UNC79	AGTGAGAA
ASCRP003	hsa_circRNA_10	3.036475					CGACCAGATGGTGCCAACATCGCCTCTGGTGAGGAAGT
519	3221	1	Up	Exonic	chr22	LOC400927	CGCCATCA
ASCRP001	hsa_circRNA_10	2.174041					CAACTGTCTGGCAATTGCCTTGCCTCCTATTGCAAAGTG
612	1249	5	Up	Exonic	chr13	NBEA	GCCTTAT
ASCRP003	hsa_circRNA_10	2.857645					CTCTTTGATATGCCTGGAAACCTTGGCTGCTACAAGGAT
490	3192	5	Up	Exonic	chr22	KREMEN1	CATGGAA
ASCRP001	hsa_circRNA_10						AGGATTTTTTCGCTGATCACTCTGAGATCTATGGTACAGT
188	0814	2.228224	Up	Exonic	chr11	MTCH2	TCATTGG
ASCRP002	hsa_circRNA_10	4.831393					GAGAGTTCAGGACAGATTGATTCACTTTGGAGCTGTAA
018	1671	9	Up	Exonic	chr16	AXIN1	GTACTGAT
ASCRP001	hsa_circRNA_10	2.395579					ACACCAGCGAGGAGAAGTTTGCCTAGTGGAGATGGAC
812	1461	3	Up	Exonic	chr15	CYFIP1	GTGCACAT

ASCRP003	hsa_circRNA_10	3.864224					CCCAAATGAGGAAATATGAAGACAAACATGCCTATCAT
589	3291	6	Up	Exonic	chr3	TSEN2	CACATCAA
ASCRP003	hsa_circRNA_10	2.725698					CAAAAGGAAGGTCACGAGACATGTGTAGAACTGCTTTT
599	3301	6	Up	Exonic	chr3	ANKRD28	AGAACAGG
ASCRP002	hsa_circRNA_10	2.415734					ATCCTCGAGAGCAAACACAGAGCAGCCCAAGCTGAGTA
402	2067	2	Up	Exonic	chr17	WIPF2	GAGATGAG
ASCRP002	hsa_circRNA_10	3.028146					AGGTGCCACAGGTTTGAAACGATGTGCAGCACTTCAA
522	2194	6	Up	Exonic	chr17	GRB2	GGTGCTCC
ASCRP002	hsa_circRNA_10	3.235254					TGCTGCCCTCAACAGCGCCATTTAGGTATAGCCTTCAC
176	1832	4	Up	Exonic	chr16	RANBP10	AGACCTC
ASCRP001	hsa_circRNA_10	2.313286					AACTGAAAGAGCTGCTATGCCTTTCTTGCCTCCTTCTAT
413	1043	3	Up	Exonic	chr12	LRRK2	GACAATC
ASCRP002	hsa_circRNA_10	2.226691					TTTCTCCTGTTCAGGAGTGTTTCTCAGGAGCTATCAGAA
166	1821	6	Up	Exonic	chr16	CNOT1	ACTATCC
ASCRP003	hsa_circRNA_10	2.162108					GCAACCAACACCCCCAGTGAGCCTTTGCTGTGCAAATT
607	3309	8	Up	Exonic	chr3	RBMS3	CGCTGATG
ASCRP003	hsa_circRNA_10	6.324834	Up	Exonic	chr3	RAF1	GATGATTGAGATTGTTTCCAAATTCCACTATTGGTGATA

591	3293	2					GTGGAGT
ASCRP004	hsa_circRNA_10	2.417252					CCTTCTGCATAGTGAAGAGTTCCACATTATACCCAGTA
494	4222	3	Up	Exonic	chr6	PLEKHG1	TTGCACT
ASCRP000	hsa_circRNA_10	3.776585					TATGCCTTTTGAGTAAAAGCAGCTGTTAAGTATGCCCTTA
593	0204	4	Up	Exonic	chr1	AKR1A1	GCGTAGG
ASCRP001	hsa_circRNA_10	2.311785					ATTGTGGGTCCTGAAGAATTGCAACAACACCAAACGCC
573	1210	9	Up	Exonic	chr12	GLT1D1	GCTTTTAA
ASCRP003	hsa_circRNA_10	6.725453					CGTCTTCTGTCATGAACTGCCACATGAATTAGGAAAAA
187	2879	2	Up	Exonic	chr2	SLC39A10	TAGAAATG
ASCRP003	hsa_circRNA_10	3.051756					ACCACTGCAGATCAGCCAGCATTACTAACCTGTCACTG
210	2902	8	Up	Exonic	chr2	PIKFYVE	GATAGATC
ASCRP001	hsa_circRNA_10	3.022611					ATGTCCATCCACAAGAGCCAAGTAAGGTACACAGATTT
907	1556	4	Up	Exonic	chr15	PIF1	GAGGCTAT
ASCRP003	hsa_circRNA_10	2.209064					AAACCCAAGCTGCTGAGAATGCCAGAGGATTCAACATG
587	3289	9	Up	Exonic	chr3	ATG7	AGCATACC
ASCRP004	hsa_circRNA_10	2.352773					ACTGTTTAAACCTGCTGTTTCATGTACAAGGTCAGGAACC
916	4663	3	Up	Exonic	chr8	PABPC1	TTTGACT

ASCRP004	hsa_circRNA_10	2.736133					ACATTATGGCAGCCAAAAGACAACAGGTGATTTGATGA
239	3959	7	Up	Exonic	chr5	CTNNA1	AGGCTGCT
ASCRP003	hsa_circRNA_10	3.597505					TCCATTGGACAACAGAGAGTGGGAATTCCAAAATGGAA
533	3235	3	Up	Exonic	chr22	RBX1	TGCAGTAG
ASCRP005	hsa_circRNA_10	2.237466					ACATCAGAGCTGTTCAGAGTTCTTGGAGTCTCTGCGGA
243	4996	2	Up	Exonic	chrX	ZNF81	GTCCCTGG
ASCRP003	hsa_circRNA_10	2.117009					TTTATGAAATGACTGTCAGTACCACAGCAGCCTGGCTTC
485	3187	6	Up	Exonic	chr22	HPS4	ACTGAAT
ASCRP003	hsa_circRNA_10						ATGCAACCAACAATTTTATTCTTCACCGTACAGTATTGC
608	3310	2.020789	Up	Exonic	chr3	RBMS3	AACCAAC
ASCRP002	hsa_circRNA_10	4.668105					CTGCCTCACAGGACAAAGTATTTTGGACAGATATCATC
769	2450	5	Up	Exonic	chr19	LDLR	AACGAAGC
ASCRP002	hsa_circRNA_10	2.001439					TACCTGATAGGACCACTGAACAACAGCAAAGATTCCAT
076	1730	8	Up	Exonic	chr16	ARL6IP1	GAAATTTG
ASCRP001	hsa_circRNA_10	2.000918					TTTATGCAGAAGAGGGAATGGTGGTTTGGCCTGGAGTG
941	1591	9	Up	Exonic	chr15	ARID3B	ATGATGCA
ASCRP002	hsa_circRNA_10	2.049574	Up	Exonic	chr19	SYMPK	TATCCCTGTCACTCAGCCCCGGTGTAGAGCAGACCAAA

889	2576	6					CAGTGCAA
ASCRP001	hsa_circRNA_10	2.037963					ACTTCCTCAGACTTCAAACTGACAACTTCATCTGCAAG
964	1615	6	Up	Exonic	chr15	CIB2	GAGGACC
ASCRP000	hsa_circRNA_10						ATAGAGACGTCGGACTTCACGATGAGCAGCACCAGCAG
396	0006	3.286408	Up	Exonic	chr1	UBE2J2	TAAGAGGG
ASCRP002	hsa_circRNA_10	2.026487					TAAACTCAAAGCTGCTGCTGCTGCACTACAAGGCCAGC
818	2504	1	Up	Exonic	chr19	ANKRD27	GCGGAAGT
ASCRP000	hsa_circRNA_10	2.778179					ACTCCTACAGCATCACTATCAGGAGTCTGTAACAGACT
774	0389	5	Up	Exonic	chr1	PRRC2C	ATACTACA
ASCRP003	hsa_circRNA_10	2.103296					CTGTTATAGATAAACAAGGTGATGGATGTGGACACACT
718	3420	6	Up	Exonic	chr3	DCBLD2	GTACTAGG
ASCRP004	hsa_circRNA_10	3.576453					AGAAGGAAAAGTCAGAAGACATGTCTTCATCTACATGG
451	4178	9	Up	Exonic	chr6	REV3L	CATCTTTC
ASCRP003	hsa_circRNA_10	3.368624					GCTATAAAAGCACAGTTTTTAAGAGAGCTGCTGCATTTTT
707	3409	3	Up	Exonic	chr3	SLC25A26	TATCACC
ASCRP001	hsa_circRNA_10	2.387354					TTCCAGAAACTCCAGGACCAGACATCCACGACAGCGAT
069	0695	2	Up	Exonic	chr10	RGS10	GGCAGTTC

ASCRP001	hsa_circRNA_10	2.093573					AGATGCACTTTTCAAGAGTCACTGCTAGTTGGATTGAA
870	1519	4	Up	Exonic	chr15	USP8	GCACACCT
ASCRP004	hsa_circRNA_10	2.094728					TGTGGAGAAGAGATACTAAAAGTAATTGCGACCCTACT
050	3759	4	Up	Exonic	chr4	LRBA	TCGAAATT
ASCRP000	hsa_circRNA_10	2.401525					AGAGATGACCCCTTATGAAGATGAGCAGCACCAGCAGT
397	0007	9	Up	Exonic	chr1	UBE2J2	AAGAGGGC
ASCRP003	hsa_circRNA_10	2.095529					TCAAGTTCAAGGAGTCTCTTGTTAATGATGAAGAGACT
494	3196	7	Up	Exonic	chr22	MTMR3	CGGCACAG
ASCRP002	hsa_circRNA_10						CCTCTGTCAGCTTTCTGTATGAGCCCAATAGCCAAGGGT
811	2494	2.191307	Up	Exonic	chr19	SUGP1	ACAAGTA
ASCRP000	hsa_circRNA_10	4.907010					TCTTTGCATAGAGGTCAAGATAACTCCAGGAGGAAAAG
445	0055	5	Up	Exonic	chr1	VPS13D	TAGGGATG
ASCRP000	hsa_circRNA_10	3.203735					TACTGTGAGCACAATGCCAGCACAACGCCGCAGGGGAG
484	0094	6	Up	Exonic	chr1	HSPG2	TTCTGCGA
ASCRP001	hsa_circRNA_10	2.176128					AATGGAGCATTTCATGCCCAAAGATTGAAACCAACAAAT
115	0741	3	Up	Exonic	chr11	NUP98	CCAGCAGC
ASCRP003	hsa_circRNA_10	2.640021	Up	Exonic	chr21	DYRK1A	AGCAACCTCTAACTAACCAGTGTTATAGTTTTGCCGCTG

431	3127	9					GACTCTT
ASCRP001	hsa_circRNA_10	2.171641					ATCCTCCTACAGGTGAGCTTCCGTTGAAGAGGCGCAG
626	1264	9	Up	Exonic	chr13	FAM124A	GACCCTTT
ASCRP004	hsa_circRNA_10						TGATGAAAAGGACAGCTTTCCTGCCCCGCTTTGGAGGAG
885	4632	3.155704	Up	Exonic	chr8	CLVS1	TCCACTTT
ASCRP004	hsa_circRNA_10	2.517835					AGGAGGTGCTGACGGACAACAACCTCGAAAGCACTCCA
698	4442	1	Up	Exonic	chr7	CUX1	AAGACCTC
ASCRP003	hsa_circRNA_10						GGCTTGTGCCTCACCAGAATGCCAGAGGATTCAACATG
585	3287	2.07684	Up	Exonic	chr3	ATG7	AGCATACC
ASCRP001	hsa_circRNA_10						GCCCTGTTTGATAGATTTCGATTGAATAGACTATTGACCA
746	1387	3.839117	Up	Exonic	chr14	PCNX	TTGATAC
ASCRP001	hsa_circRNA_10	10.74522					TTGGCTGCAGTACAGCTATTGGAATCAGATGCAAAGAT
720	1361	1	Up	Exonic	chr14	PSMA3	GGTGTTGT
ASCRP003	hsa_circRNA_10	3.586240					TGCGGAGCGGATAGGCATGAAGCCTTCGTCTCACAGCT
769	3471	8	Up	Exonic	chr3	TMCC1	GCATGCGT
ASCRP004	hsa_circRNA_10	3.457261					CCTGGGAAAGGCTTATAACCCACACCATGGATAACTTA
980	4730	3	Up	Exonic	chr9	GLIS3	TTGGACTT

ASCRP004	hsa_circRNA_10	9.015634					AAATCTCAAAGGAGGACATGTATGCCCAGGACTCTATA
812	4559	4	Up	Exonic	chr8	CNOT7	GAGCTACT
ASCRP003	hsa_circRNA_10	2.334013					CGGAAGAATGTGATCGGAGGGTATGGTTGGCATGGAAT
530	3232	3	Up	Exonic	chr22	MKL1	TGAAT TTC
ASCRP004	hsa_circRNA_10	2.772181					ATTTTATGATTGCTCTCTCAGAGGAGGAGAAAACTACTC
136	3847	6	Up	Exonic	chr5	IPO11	TGCGTG C
ASCRP001	hsa_circRNA_10	2.109133					TGAAAAACAGCTGCATCAGGAGATATGCAAACATATCA
427	1059	1	Up	Exonic	chr12	ATF1	GATCCGAA
ASCRP000	hsa_circRNA_10	2.008121					AAATTGCAGGTGGAAAGGAATTTGGACAAGTGAGAGAT
447	0057	1	Up	Exonic	chr1	VPS13D	CAAGCCCA
ASCRP002	hsa_circRNA_10	2.024853					TCTCCTGGCTGCTGCTTGCATATGCCACAGCAAACACAG
185	1842	8	Up	Exonic	chr16	SLC7A6	GTGTGCA
ASCRP003	hsa_circRNA_10	2.061279					CCGCAAGCAGGCACAGCGTCACCTTCGTCCCCTCCGGA
450	3148	5	Up	Exonic	chr21	SLC19A1	GCTGCACG
ASCRP000	hsa_circRNA_10	2.242975					GGTTCAAATTACAGGAGATGGAATAAACTGAGACTGCA
967	0590	1	Up	Exonic	chr10	ERCC6	GGACAAAG
ASCRP000	hsa_circRNA_00	2.129349	Up	intragen	chr14	RPPH1	AGTGAGTTCAATGGCTGAGGTGAGTTCCCAGAGAACGG

385	2144	5		ic			GGCTCCGC
ASCRP003	hsa_circRNA_10	2.652359					CAACCCAAAGGCAAAGAACAGAGCAGTTCACCATTTGC
090	2780	5	Up	Exonic	chr2	MRPS5	ATTATATA
ASCRP002	hsa_circRNA_10	2.867503					CTGAAATAAGGTTCTGCTCCAGACGAGCCCTTACCACG
262	1920	4	Up	Exonic	chr16	TCF25	TTGACTCA
ASCRP000	hsa_circRNA_10	2.016934					GATGTTTTGATCCGAGACCTTAATTTGAAGTGGAACAC
673	0285	2	Up	Exonic	chr1	ABCD3	CTACATA
ASCRP001	hsa_circRNA_10	2.185651					AACAGTGCAGGTTCCCTGATGTTATTAGCAGCATAAGGC
635	1274	5	Up	Exonic	chr13	TBC1D4	AATTATCT
ASCRP003	hsa_circRNA_10	3.801846					CTTCGGCCAGAGTATAACAAAGCCATCCGGAACACTACAC
343	3037	8	Up	Exonic	chr20	EDEM2	CCGCTTCG
ASCRP003	hsa_circRNA_10	2.151237					TTACTGCTTAGACTTAAATCAACTATGTTATTGATGTCA
155	2847	5	Up	Exonic	chr2	FASTKD1	GAGGACC
ASCRP001	hsa_circRNA_10	7.209774					AGAAATACAGTTCTTGGAGAAGCTGAATATCTTCTCTTG
627	1266	9	Up	Exonic	chr13	THSD1	AGAGAGC
ASCRP003	hsa_circRNA_10	3.202094					AATGTTAGAAGAACTCGTGAGCCGGATTGATGAGGCAG
561	3263	2	Up	Exonic	chr22	TBC1D22A	AGGAGGTG

ASCRP002	hsa_circRNA_10	3.048918					AGGTATCAAAGATATCAACACAGGGACACTTGACATTC
908	2595	3	Up	Exonic	chr19	ZNF766	AGGGACGT
ASCRP004	hsa_circRNA_10	2.732483					ATCATTGGCTTCTTCAAGCCTTAGCCCCGTGGGCCCCAC
263	3983	9	Up	Exonic	chr5	NDST1	GGAGTGA
ASCRP003	hsa_circRNA_10	2.489280					AGACCAAAGATGGAAAACGGTGTTATAGTTTTGCCGCT
432	3128	4	Up	Exonic	chr21	DYRK1A	GGACTCTT
ASCRP005	hsa_circRNA_10	3.701394					TGGCCTGCTCAGCCTCAGCGATCTGGACGTTGGTGGTTG
105	4858	5	Up	Exonic	chr9	C9orf5	GCTATGT
ASCRP001	hsa_circRNA_10	2.197972					CTTCCATATGGATAAGCCAGAAGAAATTCAACAGCAGA
990	1641	2	Up	Exonic	chr15	AP3S2	TTGTTCGA
ASCRP005	hsa_circRNA_10	3.020443					CCTTATGATTTTCCTGAGCTGTGACTGATGAGAATTAAAG
235	4988	6	Up	Exonic	chrX	ZFX	GCCATGG
ASCRP002	hsa_circRNA_10						TATTACTTCAACCAGCACATCTTCAAGCTGGAGCAGGA
791	2474	2.367053	Up	Exonic	chr19	MYO9B	TTTTTGCC
ASCRP001	hsa_circRNA_10	4.218156					AACATCATGAATTCCCAAGAAGGAGTGAACAGAGTATC
797	1438	9	Up	Exonic	chr14	EVL	TGCCAAGC
ASCRP004	hsa_circRNA_10	2.927871	Up	Exonic	chr6	TAB2	TGTATCCAGGTGCATGTTACAGGCTCCAGACCCAGTTCC

488	4215	5					TGGACCT
ASCRP003	hsa_circRNA_10	3.861483					TTGAGGCACTAAAGGAGGGAATTGTCGAGAATCTTTTC
684	3386	9	Up	Exonic	chr3	VPRBP	AAATGGGC
ASCRP003	hsa_circRNA_10	2.920158					TTCTTTCTGTTTTTGCGAGGTACCAGCAACTTCAAGGTT
853	3555	7	Up	Exonic	chr3	TFRC	TCTGCCA
ASCRP002	hsa_circRNA_10	5.699321					GACCACCAGGGGGTTTTAAATTACCTGAAAGACACATT
821	2507	8	Up	Exonic	chr19	RHPN2	TACCCATA
ASCRP004	hsa_circRNA_10	8.945221					TATGATGTCAAGGATAAGTCTCATGACACCCATGCAAG
036	3745	3	Up	Exonic	chr4	INPP4B	GATCTCGT
ASCRP004	hsa_circRNA_10	2.498131					TACCCAAAGTCAGGAGGATGGCAGACTGTCAGTATCAT
796	4542	8	Up	Exonic	chr7	UBE3C	ACATAACA
ASCRP000	hsa_circRNA_10	2.004871					CACCTGGAAGAAATCTATCCTTTGAAGATGGCCTCTGA
919	0539	3	Up	Exonic	chr10	SFMBT2	ATGGAAAT
ASCRP004	hsa_circRNA_10	2.280241					TCTTCTGCCAGAGACCCACAAGCATTGAACTATTTTCTA
380	4107	2	Up	Exonic	chr6	GLTSCR1L	CATGGAC
ASCRP000	hsa_circRNA_00	2.154001		antisens			GCAGCAGCAGGATGGGACCCGGAGACCCAGATCAGGA
090	0651	4	Up	e	chr19	AKT1S1	ACTGGACCT

ASCRP003	hsa_circRNA_10	2.698207					GTGCAAACAACCTCTTGTTGCTGTACCACATAGAATTCA
010	2698	1	Up	Exonic	chr2	MAP4K3	CTCAACA
ASCRP003	hsa_circRNA_10	2.034824					GACTCACCAGGTTACAAGAACAGCCAATCGTCCAATAG
978	3684	6	Up	Exonic	chr4	COQ2	CCGCTGGA
ASCRP004	hsa_circRNA_10	3.624879					AGGGTGCCAGACCTCATCACTCAGAACCGTGCTGCATA
918	4665	6	Up	Exonic	chr8	PABPC1	CTATCCTC
ASCRP003	hsa_circRNA_10	2.055342					TGAGACCCTCATTGACCAGTATTTAAGAGGAAGGCATT
376	3072	6	Up	Exonic	chr20	ACOT8	ACTGGGTA
ASCRP004	hsa_circRNA_10	2.325456					GAACACCCAGAATGGCAACATCACAGAGCTCCTCCTGA
720	4466	4	Up	Exonic	chr7	SND1	AGGAAGGT
ASCRP004	hsa_circRNA_10	2.420392					TTTGGAACACTACGGTGCCATCAATGCAGCAAGTCTTGGA
597	4334	5	Up	Exonic	chr7	MPP6	AAACCTTA
ASCRP003	hsa_circRNA_10	2.113378					ACAGCGAAAGGGTGAATTTGGAAGTGAAAAGAAAAC
452	3150	5	Up	Exonic	chr21	PCNT	GCTTTGCAT
ASCRP002	hsa_circRNA_10						ATCCTGTTCCAGGATGGGAGTCCCAGCTTCTGGAGACG
020	1673	2.238471	Up	Exonic	chr16	LMF1	GGGTTCCT
ASCRP000	hsa_circRNA_10	2.210408	Up	Exonic	chr1	KIAA0907	CACTGGACAGTCACCCCAAACCAGAAGGCCTGGCTGCT

745	0360	1					GCCAAGAA
ASCRP000	hsa_circRNA_10	2.137613					TTGGCAGTACACGGATTAAACTGCAAATATCTCATGAA
800	0417	1	Up	Exonic	chr1	DHX9	GCTGCTGC
ASCRP002	hsa_circRNA_10	2.589011					ACCAGGGCAGGAATCTCTGTCAGCAGCCTGAGCGACAG
276	1935	5	Up	Exonic	chr17	MYO1C	TCTTTTTG
ASCRP002	hsa_circRNA_10	3.805959					ACTAATAAAGCTTCATAAACAAGCAGATATGCAAGAAG
439	2106	5	Up	Exonic	chr17	NPEPPS	AGAAAAAC
ASCRP003	hsa_circRNA_10	2.068734					ACATCCTTCACCCCTGTAGGAACAGTCCAGGCTCTGCA
365	3060	2	Up	Exonic	chr20	RPN2	GACAGCAT
ASCRP001	hsa_circRNA_10						CAACACCATGGTACAACCTGGATTTGGAACAAATCCAGG
118	0744	2.14458	Up	Exonic	chr11	NUP98	TGGTCTCT
ASCRP004	hsa_circRNA_10	2.373151					AAGGGACAAAAGCTGACTGAGTTGAATACCTTCTTCTT
906	4653	9	Up	Exonic	chr8	PTDSS1	GAAGCATA
ASCRP001	hsa_circRNA_10	2.469674					CAACAACCTGTGGGTTTCTACCATGAATGAAATGAAGAG
185	0811	5	Up	Exonic	chr11	MTCH2	TTATTCTC
ASCRP000	hsa_circRNA_10	2.161333					TCCTTCCAAGTCACCTACTGCCACCTTCGAAAAACACGG
594	0205	6	Up	Exonic	chr1	GPBP1L1	AGAGCAC

ASCRP000	hsa_circRNA_10	2.446913					AGAAGAGCATGGATCAAGACTTCTGGTGCCCAGGTTTT
959	0580	7	Up	Exonic	chr10	KIAA1462	GTAATCAA
ASCRP002	hsa_circRNA_10	3.101904					GTTATGAAAGAGGATCTGAAGAGGCAAATGCAGTATT
302	1962	6	Up	Exonic	chr17	RABEP1	ACAAGCTG
ASCRP002	hsa_circRNA_10	5.881646					CCTGGCCAAGGAACCATCACTGTTGCTGGAGGCACCTG
738	2419	7	Up	Exonic	chr19	KDM4B	ACAAATCC
ASCRP002	hsa_circRNA_10	3.361343					ATTTCCACCAAAGTTAACTTACCAAGACTGGTTACACCT
255	1913	4	Up	Exonic	chr16	FANCA	GGAGCTG
ASCRP004	hsa_circRNA_10	3.479486					GCCACAGAAGAGCTGGTTGATCAGAGTGAGTCAAAAGG
652	4392	1	Up	Exonic	chr7	GTF2IP1	CCCCGTGA
ASCRP002	hsa_circRNA_10	2.875522					ATGAACGACATGTACGCCTACCTCCTCTTCAAGGCCTGA
426	2091	7	Up	Exonic	chr17	PLCD3	CGGAGGA
ASCRP002	hsa_circRNA_10	2.331751					TGGCTGCTGCTTGTCATATAGTTTATGTGGCCGAGGCAGA
184	1841	6	Up	Exonic	chr16	SLC7A6	CAAGTGG
ASCRP005	hsa_circRNA_10	2.166371					GACTGAAATGGCAGATCAGACACTCCTCTAATTACAA
064	4815	5	Up	Exonic	chr9	IARS	AGCAGTGC
ASCRP000	hsa_circRNA_00	4.890054	Up	Intronic	chr16	NDE1	GTGATAAGGGAGGTTTAACAAGGTAAACCAAAGGGTG

138	0862	2					AAGGATTCC
ASCRP000	hsa_circRNA_00	2.806958		intragen			AAATGAGTAGTATGTTGGTGAGAGTGAACGTGCTGTGC
008	0082	1	Up	ic	chr1	NVL	GACAAGTT
ASCRP005	hsa_circRNA_40	5.908015					GGCTATTCTAAAGTGAAACTGTATCCAAGTAAGCAGGT
309	0013	2	Up	Intronic	chr1	GAS5	AACTGGGC
ASCRP002	hsa_circRNA_10	2.749047					TCCGTGCAGAAGGGACTCAATGACACAATGAGGATGAG
034	1687	9	Up	Exonic	chr16	CCNF	GAGAAGCA
ASCRP001	hsa_circRNA_10	2.406733					AACCGCATGGCTATCCAGTCAGTTCGCTGCTATTCCCAT
946	1596	2	Up	Exonic	chr15	COX5A	GGGTCAC
ASCRP000	hsa_circRNA_10	2.155084					ATTGATGATACAAAGAGAGCTGGAATGAAAGGTCCTGC
957	0578	1	Up	Exonic	chr10	MASTL	GGTAGACT
ASCRP001	hsa_circRNA_10	2.482086					AGAGTTATTCTCAAGCTGTCACAGGACATTACCAGGAG
186	0812	3	Up	Exonic	chr11	MTCH2	AGTGACAA
ASCRP005	hsa_circRNA_10	10.35706					ATGATTTTCGTGAGCTGATGCTACACACATGGATGGTGA
294	5050	3	Up	Exonic	chrY	ZFY	TCAGATTG
ASCRP000	hsa_circRNA_10						GTGCTCCATGGCATATAGTTGGAAAGAGAGGGGACACT
992	0617	2.267356	Up	Exonic	chr10	ASCC1	AGGAAGAA

ASCRP004	hsa_circRNA_10	2.250865					CAAGTACAAAGATGTTTTTCTACCTACACCGGATAGTTT
012	3721	5	Up	Exonic	chr4	SEC24B	ACTTGTG
ASCRP001	hsa_circRNA_10	2.809091					TGTTTGATAGGTAAGTTCTCTTCTACGCTGTATGAGACT
745	1386	6	Up	Exonic	chr14	PCNX	GGTGGCT
ASCRP002	hsa_circRNA_10	2.359349					AGACAGCTGGATGAATCGAGTAATCCTGCCTGTGTCTG
279	1938	2	Up	Exonic	chr17	PITPNA	TAGATGAG
ASCRP001	hsa_circRNA_10	3.270958					CTCGATTCAAGGAATGGAGGATCTTTGGTTCCATACCAAT
556	1193	1	Up	Exonic	chr12	ZCCHC8	GCAGGCA
ASCRP002	hsa_circRNA_10	2.029791					TTAGCCAGAGTGACAAAAAAGAAGGCTACTGTGGAGCC
955	2642	6	Up	Exonic	chr2	ATAD2B	GATATCAA
ASCRP005	hsa_circRNA_10	2.281633					ATGAAGAACAGCTCAAGGTGGATTTTCAGTGTGTTCTTTG
266	5019	2	Up	Exonic	chrX	TRMT2B	GATGGCA
ASCRP005	hsa_circRNA_10	2.977171					TGGTTATGAAAGACAGTGCAGAATCTTTTGGGTGAGTT
290	5043	8	Up	Exonic	chrX	DKC1	GTGAGGCT
ASCRP003	hsa_circRNA_10	2.557379					ATACTAGAATTCCATCAGAAGCACGTGGCCAAAGAATG
280	2973	3	Up	Exonic	chr2	FARP2	TGGTGCTT
ASCRP002	hsa_circRNA_10	2.525595	Up	Exonic	chr15	CHD2	AGACACTTCAGTAATGCAGGAGCAAAAGAAGAAAGAC

002	1654	2					GACGTGACT
ASCRP004	hsa_circRNA_10	2.284115					CACCAAGGCAGCTGCAAAGTTCATATCCAGCTTTCAGA
996	4746	5	Up	Exonic	chr9	KIAA1797	GTGGCACC
ASCRP001	hsa_circRNA_10	2.072421					GGCCAATAAGACTGCTGCCTCATATCCGGGGGAATGTG
537	1174	6	Up	Exonic	chr12	RPLP0	GGCTTTGT
ASCRP001	hsa_circRNA_10						CCACTAAGAAGCTTTGATGAACTAGGTGGACTTCTCAA
288	0915	2.7977	Up	Exonic	chr11	PICALM	ACCAACAG
ASCRP005	hsa_circRNA_10	3.843529					AGTCCTACGATAAGAAAATCGCATGGGACTCGCTGTGC
040	4790	5	Up	Exonic	chr9	PCSK5	TGGAGAAG
ASCRP002	hsa_circRNA_10	2.563125					CAAACATCAAAAAGAGCCAACACAGATCTATAGATTTCT
362	2027	7	Up	Exonic	chr17	SUZ12	TCGAACTC
ASCRP005	hsa_circRNA_10	2.026105					TTCAGACACAATTTTCTATTTTGTACATACATTATTTTGT
018	4768	1	Up	Exonic	chr9	UBAP2	ATATAC
ASCRP004	hsa_circRNA_10	8.045221					GAGGTCATGATGAAGGTGGTATAAGTTGAAATCCAAAC
841	4588	3	Up	Exonic	chr8	RAB11FIP1	CAGGAAAG
ASCRP000	hsa_circRNA_10						GGCATGACCAGAGGACTGGAATGAAATTGACCCCATTA
858	0475	2.124913	Up	Exonic	chr1	GALNT2	AAAAGAAA

ASCRP003	hsa_circRNA_10	6.037987					TCCATGACGGTGAAGAAGGGAGAGCTCTGCTCTACAAG
474	3175	2	Up	Exonic	chr22	BCR	CCTGTGGA
ASCRP004	hsa_circRNA_10	3.245344					ATTGCAGCAACAATTAAAGAGCAAAGGCACAACACCAC
475	4202	3	Up	Exonic	chr6	REPS1	TTGCTCCA
ASCRP001	hsa_circRNA_10	10.04522					AGGAAATCTGGCTACAACCTGAGGTGGAAATTAAGAAGA
433	1065	1	Up	Exonic	chr12	SCN8A	AAGGCCCT
ASCRP000	hsa_circRNA_00	2.085645		intra			ATTGTACTTTGTCACTATCACTTATAGGACCAGGCCAG
220	1190	5	Up	ic	chr7	AC004901.1	AAGACTC
ASCRP002	hsa_circRNA_10	3.047349					CCCTCAGAAAGTGACTGAATGTCTGACCACCGTGAAGT
885	2572	7	Up	Exonic	chr19	ERCC1	CAGTCAAC
ASCRP000	hsa_circRNA_00			antisens			TCCAGGATTTGTAGGTAGTCAGGTGGTGAGCCAAGTGG
174	0997	3.815494	Up	e	chr9	NOL6	GCCAGGTA
ASCRP003	hsa_circRNA_10	3.716106					GTCTTCCTTGCCTAACAAAAGACATGACTGGGAAAGAA
766	3468	7	Up	Exonic	chr3	COPG	GACAACTA
ASCRP002	hsa_circRNA_10	4.632161					ACTGACATCAAAATCCGGGTCAACAAGTTCTACAGCAT
756	2437	8	Up	Exonic	chr19	DNMT1	CAAGCTGT
ASCRP001	hsa_circRNA_10	2.962734	Up	Exonic	chr14	NEDD8	GCAAGCAGATACGCTGACCGGAAAGGAGATTGAGATTG

686	1327	9					ACATTGAA
ASCRP002	hsa_circRNA_10	2.139450					CAGCAGCCAGATTGGTTCGAGTGAGTAAAAACTACCGA
520	2192	6	Up	Exonic	chr17	NUP85	TCAGTCAT
ASCRP000	hsa_circRNA_10	2.677119					AACAATAGAGCTCGACCTTATCTCTTTAAGTGGGCAGA
844	0461	7	Up	Exonic	chr1	CAPN2	CCAACATC
ASCRP002	hsa_circRNA_10	2.581126					GGCCATACATGGCAAGAGAGACTGAGAACACACAGCA
322	1985	5	Up	Exonic	chr17	MAP2K4	TTGAGTCAT
ASCRP002	hsa_circRNA_10	2.867438					GTGTGCGCAGAACACTCGTGAAACTGCTCAGGCCATCA
687	2368	7	Up	Exonic	chr18	RPL17	AGGGTATG
ASCRP002	hsa_circRNA_10	2.094728					TGTCCTCAACGCACTTGTCCAGGAACCAGTGACCTTCAA
916	2603	4	Up	Exonic	chr19	ZNF606	GGACGTG
ASCRP002	hsa_circRNA_10	2.458479					TTTCCTCCCAGCATTCCACGCCTACGGGAAGGCAGGCA
548	2220	7	Up	Exonic	chr17	SLC38A10	AGATGCTG
ASCRP002	hsa_circRNA_10	2.019238					CCAATTACATGTCTGATCATCGACGCTTTTGGTGAGCTC
855	2542	6	Up	Exonic	chr19	RYR1	CGAGACC
ASCRP001	hsa_circRNA_10	2.082625					GTTCACTCAGGTTACATTGATTACCCACCTAGTACAACA
758	1399	5	Up	Exonic	chr14	ZNF410	TCTTACG

ASCRP001	hsa_circRNA_10						CTAAGAAGTCCAAGAATAAGAGTAAGAGCCTGAACTAT
989	1640	2.227211	Up	Exonic	chr15	FANCI	ACGGGAGA
ASCRP003	hsa_circRNA_10	4.230791					TTTGCTCAGTGAACCAGCAGATAGACACCCAAATCGTA
449	3147	4	Up	Exonic	chr21	ADARB1	AAGCAAGA
ASCRP000	hsa_circRNA_10	3.143945					CCCAGACGAAGAAGACATTTTAAATCCAAAGGATGTGA
553	0164	7	Up	Exonic	chr1	ZMYM4	TCAGTGCC
ASCRP003	hsa_circRNA_10	2.174677					CATCAGCAAGTTCCACTTACTTACATGATCATTTCGAGA
302	2995	6	Up	Exonic	chr20	CRLS1	GATGTAA
ASCRP000	hsa_circRNA_10	2.066356					CTCGATGGAGCAAGAGCAGTATGAAAGTACCATCGGAT
516	0126	4	Up	Exonic	chr1	EPB41	TCAAACCTT
ASCRP005	hsa_circRNA_10	3.187925					CTCCATCAAGCAACAACCTCCAGGCCCCAGCATTATCAC
047	4798	8	Up	Exonic	chr9	TLE4	ATGGACAT
ASCRP000	hsa_circRNA_00	5.040992		intragen			TTCTCACACGCAGAAGACGATAGGAATAGGAGGAGGC
049	0446	7	Up	ic	chr6	EZR	AGGGCGGGC
ASCRP004	hsa_circRNA_10	9.145221					TTCCCAGGGGATCATTGATAAGAGCAAGAGAGACCCCT
535	4264	3	Up	Exonic	chr6	RPS6KA2	CGGAAGAG
ASCRP000	hsa_circRNA_10	2.212696	Up	Exonic	chr1	USP33	TGGAAGTGAAGTAGTTGAGAAATGGAGTGAAGTTTTG

653	0265	4					TAAAGTAC
ASCRP000	hsa_circRNA_00	6.220906					AAGATTGAAGCAATGATATCTGAGCTGAGAGGGAGAAT
179	1036	6	Up	Intronic	chr12	RP11-689B22.2	GTGCCTTG
ASCRP004	hsa_circRNA_10	2.484524					ATATTCCATTAATGAGGCAAAGTCCGGGACCATGTCTG
294	4019	8	Up	Exonic	chr5	SFXN1	GAGAACTA
ASCRP000	hsa_circRNA_10	2.313367					TCTGCAGCAGGAGCTGGTACATACACTACCTCTTCTTTG
775	0390	1	Up	Exonic	chr1	PRRC2C	AGCACAA
ASCRP002	hsa_circRNA_10	2.095674					AGACTGCAGGAAGAGGATCGTCTGCCTTATTGAAACCA
268	1926	7	Up	Exonic	chr17	RPH3AL	TCTAATTG
ASCRP001	hsa_circRNA_10	7.845221					ACTGGAATAGCCTCCAAGTCTATTATAAATAGTATGCTA
823	1472	3	Up	Exonic	chr15	C15orf41	CGGGACC
ASCRP001	hsa_circRNA_10	2.226281					GCAGACTGAGGAGATGCATCGAAGGTTTGAGAATGCTC
369	0998	1	Up	Exonic	chr12	ERC1	CTGATTCT
ASCRP001	hsa_circRNA_10	2.004871					TATTTATTACCAAACAAGAACCACAATGGACACTGCC
725	1366	3	Up	Exonic	chr14	ZBTB25	AGCCATAG
ASCRP003	hsa_circRNA_10	3.047142					TGCCAGCCAGAGTGGAGCCTTTCAGGCTGGCATGGAGA
448	3145	2	Up	Exonic	chr21	ADARB1	GCTTAAGG

ASCRP001	hsa_circRNA_10	2.897919					GACGTTGCATGTTTCAGGCTAGGATTGTGTCTAAGCAG
307	0934	2	Up	Exonic	chr11	NOX4	AGCCTCAG
ASCRP001	hsa_circRNA_10	2.661243					AGCACCAACACCATGATTTTGAACCAGTACTAGCAGT
119	0745	8	Up	Exonic	chr11	NUP98	GGAGGACT
ASCRP001	hsa_circRNA_10	2.235809					CGCAACACTGGTAGTATACCTGGCCAGTGAGACCTTCA
032	0658	7	Up	Exonic	chr10	PI4K2A	ACTATAGT
ASCRP000	hsa_circRNA_00	11.04522		antisens			TATTTTCCTAGGTTGATGGGAACAGGAGAAGGTCCCAAA
047	0441	1	Up	e	chr6	BACH2	AGCAAACA
ASCRP001	hsa_circRNA_10	2.070715					TCTGCACAAGACACGATGAGGCGAGTGGTACGACAGAG
498	1131	5	Up	Exonic	chr12	CORO1C	CAAGTTTC
ASCRP004	hsa_circRNA_10	2.214787					TACATGGGCAATGAATTGAAAGATGTTGGCCATCGTGA
241	3961	7	Up	Exonic	chr5	CTNNA1	TCAGATGG
ASCRP004	hsa_circRNA_10	2.891370					TCTACGCTGCAGCCGAGTTCCTGTTCTGGGCTTCGCTGT
643	4382	7	Up	Exonic	chr7	ASL	GCATGAC
ASCRP004	hsa_circRNA_10	2.385214					CAGGTCATCTGCTAAGATGTTTTTATACCTATGCCAGAG
225	3945	4	Up	Exonic	chr5	SEC24A	AACTTAT
ASCRP003	hsa_circRNA_10	2.051757	Up	Exonic	chr2	DKFZp667P092	CCTCCAGGAAAAGAATATTTTCAGAACCATACTTTACAA

091	2781	7				4	ACAGAAGG
ASCRP003	hsa_circRNA_10						GAAGAAAAAAGAACTACTTCCAGTAGCAATACAATGGT
928	3633	2.080314	Up	Exonic	chr4	FRYL	AGCTCCCA
ASCRP002	hsa_circRNA_10	2.031424					AACATCAAAAGAGCCAACACAGATCTATAGATTTCTTT
358	2023	5	Up	Exonic	chr17	SUZ12P1	GAACTCGG
ASCRP000	hsa_circRNA_10	2.064620					TCTCACCCAGGTGAATCCAGTCTGGAAAAAGTGTTTGG
571	0182	3	Up	Exonic	chr1	CTPS1	AAGAACAA
ASCRP002	hsa_circRNA_10	2.480311					TCTCAACAAAACCAAACTGACTGGAATGTCACGTGGA
063	1716	3	Up	Exonic	chr16	ABCC1	ATACCAGC
ASCRP003	hsa_circRNA_10	2.305849					CACACCAAAGGTCGTGTACAACGTGGGACTCTGCATTT
539	3241	7	Up	Exonic	chr22	POLR3H	GTCTGTTT
ASCRP001	hsa_circRNA_10	2.184317					AAATAGTAGCACCAAACCTTTTGCCCAGAGTAGCAGCC
951	1602	9	Up	Exonic	chr15	ETFA	AAACTTGA
ASCRP002	hsa_circRNA_10	2.009597					ATTTCCACCAAAGGCAGGACTTCCACCAGTGGGCGATC
254	1912	9	Up	Exonic	chr16	FANCA	CATGAGCA
ASCRP001	hsa_circRNA_10						ATATTGTTACATGTGGTAGGAATGGGATCCTGGTGCTTC
263	0890	2.334079	Up	Exonic	chr11	ACER3	CACATGA

ASCRP000	hsa_circRNA_10	2.214787					CTGCTGTTTGGAAAGGTGGCAAAGGATAGCAGCAGCCG
392	0002	7	Up	Exonic	chr1	NOC2L	GCGTAAAG
ASCRP002	hsa_circRNA_10	2.777288					GGTGCTTCAGGCTCCAGTCAGGCCAACACCGACGCGCA
325	1988	4	Up	Exonic	chr17	TRPV2	GCTGGGAG
ASCRP001	hsa_circRNA_10	3.073652					ATCTTTCACAAAGGCCTTCACAACAAGATTGATGATGA
449	1081	4	Up	Exonic	chr12	TIMELESS	CGCCAGTG
ASCRP005	hsa_circRNA_10	2.026691					AATTCGTAGACATGTCATCCTGATGTTGAACAGCCCTGT
144	4897	8	Up	Exonic	chr9	PAPPA	AAGTCCA
ASCRP002	hsa_circRNA_10	2.400935					TTGTACACAGGGACCTGAAGGTTGCCATCAAGATTATC
881	2568	3	Up	Exonic	chr19	MARK4	GACAAAAC
ASCRP003	hsa_circRNA_10	9.345221					AGTACAAGAAGATTAAAGGAATAATCAAGCTGGGAAG
195	2887	3	Up	Exonic	chr2	SATB2	GTGGAACCC
ASCRP001	hsa_circRNA_10	3.224429					ACCTCTTTCAATGACAACGCTTTCAACCACACCACGGGC
171	0797	4	Up	Exonic	chr11	CD44	TTTTGAC
ASCRP005	hsa_circRNA_10	2.033184					CAAGCAGAAGAGTTCGGAATCCAGCATTAAAGAAGAAAT
214	4967	1	Up	Exonic	chr9	EHMT1	TTCTCAAG
ASCRP005	hsa_circRNA_10	2.752578	Up	Exonic	chrX	HDAC6	GAACACAGTTCACCTTCGACCAGGACCCCAGGCCTCCT

244	4997	5					GGACATCA
ASCRP000	hsa_circRNA_10	2.069595					ATCCTCAAACATATCGAAGGTCCACAAGGCGATTACAAT
555	0166	5	Up	Exonic	chr1	KIAA0319L	TTCCAGTC
ASCRP004	hsa_circRNA_10	2.556370					GGGCGTGTAGATAAGCAACGATGTGCTGAGCTGAAGAA
738	4484	9	Up	Exonic	chr7	ZC3HC1	AGCCTTGT
ASCRP002	hsa_circRNA_10	2.109711					AAGGCTGTGGGGACCAACGAATGCTTGGACAACAACGG
766	2447	6	Up	Exonic	chr19	LDLR	CGGCTGTT
ASCRP005	hsa_circRNA_10	2.547601					ACAGAGACTCCATCAAGCAGCAACAACCTCCAGGCCAG
046	4797	1	Up	Exonic	chr9	TLE4	CATTTATC
ASCRP002	hsa_circRNA_10	3.820608					GAGCACAGAGGGGGACAGCCGCGCCGCTGCTGCTTTTC
705	2386	6	Up	Exonic	chr18	ZNF516	CGAAGAGG
ASCRP002	hsa_circRNA_10	2.031359					TGTGCAGGAGGTTTTCCAGCTTGCAGCTCATCTGGTGTA
012	1665	7	Up	Exonic	chr16	NPRL3	CTGGGGC
ASCRP001	hsa_circRNA_10	3.451863					CCAGCAAGTGGCCGGTCTAATTGAAGCCAACGGAGAAC
669	1310	2	Up	Exonic	chr13	TFDP1	TCAAGGTC
ASCRP002	hsa_circRNA_10	2.049811					CTGTGCAGGCAATGTGCATCAGCGAGAGCTTTCTAACT
355	2019	2	Up	Exonic	chr17	SSH2	GTCAAAGG

ASCRP004	hsa_circRNA_10	2.016478					ACTTGATGAAGAAGTACTATACTGGCAATTGCTGGAGA
543	4273	8	Up	Exonic	chr6	PSMB1	AGATTTTG
ASCRP002	hsa_circRNA_10	3.277500					ATAAATTGCCTCATTCGTAACCTCCACAGCGCGGCACCT
873	2560	8	Up	Exonic	chr19	RPS19	GTACCTC
ASCRP000	hsa_circRNA_00	2.284728		intragen			CTTTTAAAAACAAGGAGTGTTTCTCAGGAGCTATCAGA
024	0212	5	Up	ic	chr16	CNOT1	AACTATCC
ASCRP001	hsa_circRNA_10	2.541923					CCCACACCAAGAAAGCATGCTTTATTGTCTTCAACGCTG
577	1214	8	Up	Exonic	chr12	GPR133	CCAAGCC
ASCRP001	hsa_circRNA_10	3.488203					AACTGCTCATTAGGTAGACGTTACATCCAAGAGGAAAT
379	1008	8	Up	Exonic	chr12	RIMKLB	AATCCAGG
ASCRP001	hsa_circRNA_10	2.450894					AGCGCTTTGGAAAATTATGCAACACTTAGAAGGAGAAG
104	0730	2	Up	Exonic	chr10	MTG1	GCCTAAAA
ASCRP001	hsa_circRNA_10	2.061163					CTTTCCATCCTCATCAAGAAACAGAATTGGGAAAAAGT
144	0770	5	Up	Exonic	chr11	ANO5	CAATAAGC
ASCRP000	hsa_circRNA_10						CACGCTTACGGGATGATCCACCAACACATTCTCAGCCA
933	0553	2.602321	Up	Exonic	chr10	CDC123	GACAGTGA
ASCRP005	hsa_circRNA_10	2.011314	Up	Exonic	chr9	UBAP2	CTGGACTGAAGATAACTGGCATCAAATACTCACAACAT

014	4764	4					AGCTCAGG
ASCRP000	hsa_circRNA_10	2.863314					AGGGGACCTGGCGGATAAAACGGTCCCATCAAGACTGA
511	0121	8	Up	Exonic	chr1	SNHG12	GAAAAAGC
ASCRP004	hsa_circRNA_10	2.601055					AGAACCTAGAAGATGCTGCAAATAAAAGCTCAGGATTG
896	4643	3	Up	Exonic	chr8	CSPP1	CACCTCTG
ASCRP000	hsa_circRNA_10	2.163593					TCTTACCAAGGCTACCATCAATATTGTTTTGATCGAGT
707	0320	1	Up	Exonic	chr1	GPR89A	TGGGAAA
ASCRP001	hsa_circRNA_10	2.182469					TGGACCAGAGAACCCGGCAGTGGGCAGGTGTTTGTGAC
173	0799	7	Up	Exonic	chr11	LDLRAD3	TTCAGAGA
ASCRP004	hsa_circRNA_10	2.567333					AACAAGTTTGAGGGACTATCCCAGCAGTCGAGGTCCAA
940	4688	1	Up	Exonic	chr8	ASAP1	CTGGCCCA
ASCRP000	hsa_circRNA_00	2.881012					ATCTCTGTGTGACTATGGAGGTCACGTCCCATGTGGCTG
235	1240	8	Up	Intronic	chr13	CUL4A	TGGAGGT
ASCRP005	hsa_circRNA_10	10.13539					ATGATTTCGTGAGCTGTGACTAATGAGAATTAAAGGCC
293	5049	4	Up	Exonic	chrY	ZFY	ATGGATGA
ASCRP003	hsa_circRNA_10	2.149498					TTGGAATCTGATGCATCATCTGCATCAGTCTCAAAGTGG
679	3381	9	Up	Exonic	chr3	RBM5	TGAAGGA

ASCRP001	hsa_circRNA_10	6.312221					GTCTATGATGAGTACAACAAAAGTGTACAATCTAAAGT
877	1526	9	Up	Exonic	chr15	RFX7	GGACTGCA
ASCRP004	hsa_circRNA_10	2.089926					CATCAACAAGTGTGAACGAGCTCTATGTCGATGACCCA
291	4016	2	Up	Exonic	chr5	ERGIC1	GACAAGGA
ASCRP004	hsa_circRNA_10	2.776413					AAACTTGCTGTAAAGAGCCAGGATGACTTGAAAGTAGG
242	3962	2	Up	Exonic	chr5	MATR3	GCATCCTT
ASCRP000	hsa_circRNA_00	2.193168					GCCTTCAACTTCCAGCCCTATTACTGAATGAGAAAATGT
051	0455	2	Up	Intronic	chr7	ABCA13	ATTATGA
ASCRP001	hsa_circRNA_10	2.111576					AGACAAAACCTTGATGGAGAACCTTGTGACCTGTCTTT
844	1493	5	Up	Exonic	chr15	TMEM87A	GAATATAA
ASCRP001	hsa_circRNA_10	12.93646					CTCTAGCATGCCAAATTTCAACACTAACTTTGAAGACA
811	1460	3	Up	Exonic	chr15	CYFIP1	GAAATGCA
ASCRP005	hsa_circRNA_10						GGAGGAAGAGAGCCATGGGACCACACCACCACCACCA
283	5036	2.9534	Up	Exonic	chrX	CD99L2	CAACCAATA
ASCRP000	hsa_circRNA_10	3.023210					TTATGCACAGGCTGCCTCTAAGAATCAAACCTTCACTCTT
644	0256	7	Up	Exonic	chr1	RAVER2	GGGAGAA
ASCRP002	hsa_circRNA_10	2.444490	Up	Exonic	chr19	MYO9B	TTACTTCAACCAGCACATCTTCAAGCTGGAGCAGGCCA

794	2477	7					TCACTGCC
ASCRP004	hsa_circRNA_10	2.053503					AGAAATCAAGTATCGGGAAAATTGCCTGGCAGCAAAAG
154	3866	3	Up	Exonic	chr5	RAD17	CACTTTTT
ASCRP003	hsa_circRNA_10	2.297965					CACATTTCCAGACTTGATTATTCTTAGAAATGCACTTGA
528	3230	9	Up	Exonic	chr22	ADSL	CCTGCTT
ASCRP004	hsa_circRNA_10	3.025213					TCAAAGATATGGATAATCAGATCATCACTGTTGAAGAG
456	4183	3	Up	Exonic	chr6	NCOA7	GCAAAGCG
ASCRP001	hsa_circRNA_10	2.855739					TCATCAGCAACGGCTCAAGGAGACGCACAGGATCTACA
551	1188	4	Up	Exonic	chr12	TMEM120B	AGCAGAAG
ASCRP000	hsa_circRNA_10	3.188101					AAGGAACGTACGCCAGGTTGCTTTGGTTGCCATAAATA
410	0020	5	Up	Exonic	chr1	CEP104	TCATTGGA
ASCRP002	hsa_circRNA_10	2.378779					ACAGCGAAGGCAAAGAGAGCAGGATGAATGGACAGTA
338	2001	2	Up	Exonic	chr17	USP22	CCAGCAGCC
ASCRP003	hsa_circRNA_10	2.556821					TAATTTAAGCAAAATCAGGTTGGAGTTGCTGTGGGTGA
925	3630	8	Up	Exonic	chr4	APBB2	GCTGCTGT
ASCRP004	hsa_circRNA_10	2.318829					CACTAGTCTTGAATACAAGTTCATATCCAGCTTTCAGAG
999	4749	7	Up	Exonic	chr9	KIAA1797	TGGCACC

ASCRP003	hsa_circRNA_10	2.345618					ACTTAAGCAGATATGGGACACAGCAGGACAGGAACGG
765	3467	5	Up	Exonic	chr3	RAB7A	TTCCAGTCT
ASCRP003	hsa_circRNA_10						ATCCAGGAAGCTAACAATGCCCAGTCCAATGCCAGAGT
598	3300	2.178493	Up	Exonic	chr3	NR2C2	ACCTCAAC
ASCRP004	hsa_circRNA_10	9.145221					CCTATATCAGGTACAACATACTCAGGGGAGATTGGCAC
467	4194	3	Up	Exonic	chr6	PDE7B	CAAGAAAA
ASCRP003	hsa_circRNA_10	3.554530					ATTACATCCAGCAGCCAGAATGCGGTTGCTGATGCTATT
050	2738	4	Up	Exonic	chr2	CCT4	AGAACAA
ASCRP002	hsa_circRNA_10	2.131582					AGAGTATATTGCTGCTTTTCTCAGTCACTTTGGCACTGC
965	2652	9	Up	Exonic	chr2	BRE	ACTTGGA
ASCRP000	hsa_circRNA_00	2.108494					AGGAGGCTGCAGGTGGAGTGTTATAGTTTTGCCGCTGG
285	1503	1	Up	Intronic	chr21	DYRK1A	ACTCTTCC
ASCRP004	hsa_circRNA_10	4.316671					TGGAGCTTTCAGCCTCCACCAGGCGGTGTGAAGATGCC
180	3900	9	Up	Exonic	chr5	SCAMP1	TAATGTAC
ASCRP002	hsa_circRNA_10	3.422113					GATCACCAAGGGCTTTTGCCTGCACACAGCAGACACAA
498	2166	4	Up	Exonic	chr17	TEX2	CAGTCCGT
ASCRP003	hsa_circRNA_10	3.421799	Up	Exonic	chr3	ZDHC3	AGATTGGACAAATGCCAGTATGGACAGAATAGCTTATG

634	3336	2					ATGCTTAT
ASCRP001	hsa_circRNA_10	2.787982					ATCTTGACCTCATCCAGCCAGAAGAAATTCAACAGCA
991	1642	4	Up	Exonic	chr15	AP3S2	GATTGTTC
ASCRP003	hsa_circRNA_10	2.046405					ACTGGAGGCCACCCTGTGGTTCAGAAGAGCCGAATGCA
388	3084	3	Up	Exonic	chr20	NFATC2	CATAAGGT
ASCRP003	hsa_circRNA_10	2.628742					CAACAAGCCATACCATCCACTGGTTCAGCTGACAGGA
207	2899	2	Up	Exonic	chr2	PARD3B	TTGGAGCA
ASCRP003	hsa_circRNA_10	2.041720					GCAGATACAACACCAGCAGACGTTTTTGAATCAACTGA
416	3112	5	Up	Exonic	chr21	USP25	GAGAAATT
ASCRP003	hsa_circRNA_10	2.111732					TGATATGAAGCTGTTGACAGTGTCTTGAAGAGGATGAC
173	2865	5	Up	Exonic	chr2	NCKAP1	AATAATTG
ASCRP003	hsa_circRNA_10	2.004796					GTCCAGAGAGAACTCAACAGTGACAATTGAGGAATTCC
330	3024	4	Up	Exonic	chr20	CBFA2T2	ACTGTAAG
ASCRP004	hsa_circRNA_10	2.003985					AGAAAGATTTTGCAAAATACTGGATCATGGCCCAGGTA
666	4406	3	Up	Exonic	chr7	GTF2IRD2	GCAGTGTC
ASCRP003	hsa_circRNA_10	2.277131					AAGTCATGGGGCTCTGTCTGGGAAGGAGCGGAAAGAAT
705	3407	3	Up	Exonic	chr3	ATXN7	GTCGGAGCG

ASCRP002	hsa_circRNA_10	2.065923					GGACTTAAGAAGATAACTCTTCCACACAAGTGTACAAC
413	2078	7	Up	Exonic	chr17	EZH1	TACCAACC
ASCRP004	hsa_circRNA_10	3.738640					CTCTGACCAGGACTATGGCTATGTACAGACCACATCCA
694	4438	7	Up	Exonic	chr7	AP4M1	CGGAGATG
ASCRP000	hsa_circRNA_10	2.065850					AAATGCTAAAAGTCTGAACTGTCCCAAGCAATAAACAG
509	0119	7	Up	Exonic	chr1	PHACTR4	TGGTACAT
ASCRP003	hsa_circRNA_10	4.314197					AGCAACATGGAGACCTGTGCAGACCAGGATGAAGAGA
495	3197	8	Up	Exonic	chr22	MTMR3	CTCGGCACA
ASCRP000	hsa_circRNA_10	2.106736					CAAACCCAGGACAAGGTGATCTGCAACTCTTTCACCAT
894	0512	2	Up	Exonic	chr1	SMYD3	CTGTAATG
ASCRP004	hsa_circRNA_10	2.726158					ATGGGCTACAAAGAGAACGGGATCTGAACTTGCCCCAC
310	4035	3	Up	Exonic	chr5	MAPK9	CCTTCGGG
ASCRP002	hsa_circRNA_10	2.576561					TGTTAGACAGGATGGCATTGTAGCAGATGAATCCCAAA
118	1772	9	Up	Exonic	chr16	TNRC6A	ACATGCAG
ASCRP002	hsa_circRNA_10	2.493794					TTTTACCAAGCCAGTTGTTTGGGGAAGAAGATGCTGAT
843	2530	4	Up	Exonic	chr19	UBA2	CAAGAAGT
ASCRP001	hsa_circRNA_10	2.494966	Up	Exonic	chr11	EED	GTGTATAAAGGATGACGCTGTCAGTATAGAAAGTGGTA

302	0929	8					CAAACACT
ASCRP003	hsa_circRNA_10	2.117841					CACTGACCAGCCAGAGCGTCCATTACTTGCAGAATTTCC
582	3284	4	Up	Exonic	chr3	FANCD2	ATCAAAG
ASCRP003	hsa_circRNA_10	2.071558					TCTTCCAGCACTACCATGCCAATATGTGGGTGCCCCGGT
647	3349	2	Up	Exonic	chr3	SCAP	GGCTTAT
ASCRP005	hsa_circRNA_10	2.844677					ACGGGTAGAGCTGCGTGCACTTCGCATGTGAGAAAAC
145	4898	6	Up	Exonic	chr9	PAPPA	GACTGTCC
ASCRP002	hsa_circRNA_10	3.234979					TAGAAGACTCTTGCAAGAAATGGGAAATTGCCAAGCCC
300	1960	8	Up	Exonic	chr17	SCIMP	CTGAAACA
ASCRP001	hsa_circRNA_10	2.767013					AACAAACAATCAAGTCATGAGATTTGCGGAAGTGACTC
927	1577	5	Up	Exonic	chr15	KIF23	AAGAAGTT
ASCRP005	hsa_circRNA_40	2.022975					TTGATAGCCCCCTTAGACCGGAATCCTGGCTCCCGTGTT
321	0025	3	Up	Intronic	chr12	ANKRD52	CTGGACC
ASCRP005	hsa_circRNA_10	2.387039					CTTATGGATGGGTTCTACATGAAACATTTTCTCAACACA
080	4832	2	Up	Exonic	chr9	HIATL1	CATTCCT
ASCRP005	hsa_circRNA_10						CAAATTGAAGATAGCTGATCAGCTTCCTTGGGTTTTGCT
228	4981	4.780402	Up	Exonic	chrX	MID1	GATGACA

ASCRP003	hsa_circRNA_10	7.435000					CAAATACGAGAACAAATTGGAGCTCTGGCAGATCAGCA
995	3701	6	Up	Exonic	chr4	HERC3	TATCATTC
ASCRP004	hsa_circRNA_10	2.495698					ACTGTAATACTTCTGGAATCCAGACAGAATGGTCCTGG
389	4116	2	Up	Exonic	chr6	POLH	CAAAACTG
ASCRP000	hsa_circRNA_10	2.204443					AACCAGACAGCCTGCTCGCCTGGATTTTTTAAGTTTGAG
460	0070	4	Up	Exonic	chr1	EPHA2	GCATCTG
ASCRP004	hsa_circRNA_10	2.364200					ATGGCAGCCTTTGTGGGTACTGTCCAAGAAGCTGGAAC
581	4318	8	Up	Exonic	chr7	ANKMY2	ATTATTAT
ASCRP002	hsa_circRNA_10	2.316454					GGCTGTTTATTGATGAGTATTTGAGAACACAGTGGCTAC
203	1860	8	Up	Exonic	chr16	AARS	GGTGATG
ASCRP001	hsa_circRNA_10	2.723835					CATCAAACAGAATGGAATCCAGACAAATAAGCCAGCTT
211	0837	2	Up	Exonic	chr11	STX5	TGCGTGCT
ASCRP000	hsa_circRNA_10	2.466049					GAGACTTGAAAGGTCTGTATGAGGACATTAGAAAGATA
948	0569	7	Up	Exonic	chr10	PDSS1	CCCTATAT
ASCRP004	hsa_circRNA_10	2.370549					TTGAGACCATCGAGAGAGGTGTATGCTGTGGCCACCAG
975	4724	4	Up	Exonic	chr8	CPSF1	CACCAACA
ASCRP002	hsa_circRNA_10	2.127551	Up	Exonic	chr19	KDM4B	ACTTTGGGGAGCCTAAGTCCTGGAACCATCACTGTTGCT

740	2421	8					GGAGGCA
ASCRP002	hsa_circRNA_10	5.912742					AAGATCACCAAGTGAAGTGCTCCGTGTGCAAGAGCGTC
540	2212	4	Up	Exonic	chr17	USP36	TCGGACAC
ASCRP000	hsa_circRNA_00	5.358184					TGGAAAAAATTACTGGATTTGACGGGATCTGAACTATA
246	1299	7	Up	Intronic	chr4	GPR125	CACCCAGG
ASCRP000	hsa_circRNA_00	2.197751		antisens			AAACTGGTCTGAAAAAGAGAGGGCAGCTGTACAAAAG
165	0961	8	Up	e	chr6	ARMC2	CAGCATTGA
ASCRP001	hsa_circRNA_10	2.976902					CACTAAGTCAAGATGGTAAGCTTGATGATTACCAGGAA
159	0785	7	Up	Exonic	chr11	CAPRIN1	CGAATGAA
ASCRP001	hsa_circRNA_10	2.232785					GAAAAGGAGAGAGACAAAAGATGATGGAAGCATTGCT
261	0888	9	Up	Exonic	chr11	UVRAG	GTTGCCCTT
ASCRP000	hsa_circRNA_10	3.290181					AGCCATACAGGATGCTGATATGCTAACTGGTGATGAGC
891	0509	3	Up	Exonic	chr1	SMYD3	AAGTATGG
ASCRP000	hsa_circRNA_10	2.251362					GAACCATAGCGTGCTTCAGACCTCTCACTCCTGCCTGGT
498	0108	3	Up	Exonic	chr1	DHDDS	GTTCCAA
ASCRP002	hsa_circRNA_10	2.117695					ACTCAAACCTATTGAGGCTGCCTCCATTCGAAACATTTTC
365	2030	8	Up	Exonic	chr17	SUZ12	TCAGGGA

ASCRP001	hsa_circRNA_10	2.962687					ATTCTAACTTGTGGACCGAAGGGATGCTCCAAATGGCT
850	1499	5	Up	Exonic	chr15	UBR1	GAACATAT
ASCRP002	hsa_circRNA_10	2.294012					AAGGTGGATGTGATTGCCAAGCGTGCTGGGACTGCA
105	1759	8	Up	Exonic	chr16	EARS2	CCTCCAGC
ASCRP002	hsa_circRNA_10	2.309268					AGTTTGAGGACATGGAGAGAAGTCTGCCACTAACAGGC
801	2484	6	Up	Exonic	chr19	IFI30	AATCTATA
ASCRP001	hsa_circRNA_10	2.476183					TACACTTGGGTGAGAGATGGAGGAAAAAGTCACTCTGC
765	1406	8	Up	Exonic	chr14	NEK9	TTAATGCA
ASCRP003	hsa_circRNA_10	2.106381					CTTTAAAAAGTGCAATCAAAGTCTGAGGCCGAAGGAAGGG
128	2819	7	Up	Exonic	chr2	UGGT1	GAGACATA
ASCRP003	hsa_circRNA_10						ATCTCCAAACTCAAAGTGTGAAGATCATTACCGATGA
100	2791	2.267356	Up	Exonic	chr2	RFX8	AGACAGAC
ASCRP005	hsa_circRNA_10						AAAGAGAAAGGCTATGCCACTGGACTCATTGGACTCCG
222	4975	3.278365	Up	Exonic	chrX	ARSE	AATATTGA
ASCRP005	hsa_circRNA_10	2.716890					CAAAACACAGTGAAAGCAAGTTGAATACATTGGTGCAG
258	5011	3	Up	Exonic	chrX	ATRX	AAGCTTCA
ASCRP003	hsa_circRNA_10	2.143036	Up	Exonic	chr2	FARP2	GACCTACCAAAACAGTGGAAGAACTCAGAAACAATA

281	2974	8					GTAGATTAT
ASCRP002	hsa_circRNA_10	2.285669					TGCCATCGAGGTCATCTTATGCAGATATGCTACATGACA
187	1844	4	Up	Exonic	chr16	PRMT7	AAGACAG
ASCRP005	hsa_circRNA_40	5.540346					TCCTTACTCTTTTTAAAGTAAAATTCTTTTCTCCCGGGC
396	0103	6	Up	Intronic	chrX	RPS4X	CGGAGC
ASCRP004	hsa_circRNA_10	11.01313					AAAGATGACAAGGTGCCAGGTCGACCTGTCAGCCCTCA
194	3914	4	Up	Exonic	chr5	MCTP1	GTAGGGAA
ASCRP000	hsa_circRNA_10	2.237206					CAAATTAAGCACTTTACCTTCCCTGGTTTGAAGTGTATT
804	0421	1	Up	Exonic	chr1	DENND1B	ACAAGCT
ASCRP001	hsa_circRNA_10	2.041322					TGATGGTTGCCCTGGCAAAGCACTCTACACCCCAAGT
890	1539	8	Up	Exonic	chr15	ANXA2	GCATATGG
ASCRP003	hsa_circRNA_10	11.94522					TCTCTTGGAGAAATAACATCTGCTTTGCTGCCGAGCTCA
462	3161	1	Up	Exonic	chr22	COMT	GAGGAGA
ASCRP004	hsa_circRNA_10	2.348298					CTGATAATAGGTTGTGGAAAATGCCCTTAAAGTGAACC
138	3849	3	Up	Exonic	chr5	IPO11	CAATACTA
ASCRP002	hsa_circRNA_10	-2.32441					ACTTCCCCTATGGTCAGTATGGAAGCTCTTCGTGGGCGG
722	2403	07	Down	Exonic	chr19	DAZAP1	TCTTGAC

ASCRP003	hsa_circRNA_10	-8.74522					AATCTGAAGCCGATAATACAAAGAAGGCAAAAGCATCT
998	3704	13	Down	Exonic	chr4	PDLIM5	GCTGCACC
ASCRP002	hsa_circRNA_10	-2.79507					TTGCATTTAGGCTATCAAGTACTAGCTCCAACTGCCTAT
947	2634	54	Down	Exonic	chr2	PUM2	TATGATC
ASCRP004	hsa_circRNA_10	-3.00969					TTCATCCAGAAGTCCCGTGAGGACGGTTGGTAGGAGGA
364	4091	17	Down	Exonic	chr6	GRM4	GAGGATTG
ASCRP000	hsa_circRNA_10	-3.75482					CCTCTTCCAGGTCCCCGTCTGGGCAACTCACCGGTGCCA
566	0177	33	Down	Exonic	chr1	STK40	AGCATAG
ASCRP001	hsa_circRNA_10	-2.35361					CTCCTACAATGGTCGAGCACGCACGCATGCATGCCAAG
250	0877	3	Down	Exonic	chr11	RNF121	CACCGTGG
ASCRP003	hsa_circRNA_10	-2.33009					ATCTGGAAGGAACATCTTCGCCTGGTGTGGTGGAAGT
085	2774	95	Down	Exonic	chr2	CAPG	CCAACATC
ASCRP003	hsa_circRNA_10	-2.49365					TGAGTTACAGGACATGGATTTGATTGACATACTTTGGA
169	2861	77	Down	Exonic	chr2	NFE2L2	GGCAAGAT
ASCRP004	hsa_circRNA_10	-5.10110					TACCCGTACGACCCAACATGAGTGAAGTTTCCTGCAAG
062	3772	79	Down	Exonic	chr4	DCTD	AAACGGGA
ASCRP000	hsa_circRNA_00	-2.80902	Down	antisens	chr11	MAP4K2	GGATGCTCAGGTGCCAGTGTGGCCGTGGGCTCGCCCTG

313	1671	61		e			CATGTTGA
ASCRP002	hsa_circRNA_10	-6.53256					GGGAAAGGCAGCTTTGGCAAGTTTGCTGCTTTGTGGTG
110	1764	74	Down	Exonic	chr16	PRKCB	CACAAGCG
ASCRP001	hsa_circRNA_10	-2.32863					CATGTTGCAGGACACTCTGATTGTGTGGTCTGAAGCAG
786	1427	91	Down	Exonic	chr14	SMEK1	AAAATTAT
ASCRP002	hsa_circRNA_10	-3.07365					TGGTACCTGATGATCGAAAGATATCCTTCTTTCCAGAGT
964	2651	24	Down	Exonic	chr2	ZNF512	CAGGACA
ASCRP003	hsa_circRNA_10	-2.58926					ACCCTCTGTGAAGTGATTATTTTTCTGTTGCCCACTTTTC
524	3226	67	Down	Exonic	chr22	DMC1	AATATG
ASCRP000	hsa_circRNA_10	-2.52631					GGAACAGAATTTTGAGTTACAGCTCTTTTGAGGAAGCTT
649	0261	01	Down	Exonic	chr1	ANKRD13C	AAGCAGC
ASCRP001	hsa_circRNA_10	-2.29186					TTGGAAGTTTTTCTGATCTGTGGTTGTGGTTCCGGAGAA
639	1278	49	Down	Exonic	chr13	MYCBP2	TCTGGTT
ASCRP004	hsa_circRNA_10	-2.46477					TTAAACAAACCAGTTGCATGCAGGGCATGATTCCATAC
166	3886	6	Down	Exonic	chr5	TNPO1	TTGCCTGA
ASCRP003	hsa_circRNA_10	-2.19818					AGTAGGGGAGCTGCAGAACCTTGGCCTGAAAATGCTAC
168	2860	16	Down	Exonic	chr2	MTX2	ATTATATC

ASCRP000	hsa_circRNA_10	-2.06146					TCATGCACGGGACCTGCCCCGAGACTTCAGGTGGATCC
935	0555	32	Down	Exonic	chr10	SEPHS1	ATAAAGAA
ASCRP003	hsa_circRNA_10	-2.04971					TTCTCACGTCCCATCTCCTGCAGTGGCCAAAGAATGTGG
279	2972	61	Down	Exonic	chr2	FARP2	TGCTTCG
ASCRP005	hsa_circRNA_40	-4.02631					AGCAGAGCACCTGATGGAAGGGACAGGAGCTGTCTTAT
378	0084	1	Down	Intronic	chr5	TERT	GTGCAGGT
ASCRP004	hsa_circRNA_10	-8.75564					CTGTGGCTTCAAGAAATGTGAAACAAATTCTAGCAAGA
461	4188	64	Down	Exonic	chr6	SAMD3	AGCAAAGC
ASCRP004	hsa_circRNA_10	-2.52779					GGTGGTGTAAAAGTGTGAAAGAAAATGTCTTTATTAA
605	4342	48	Down	Exonic	chr7	BBS9	AGCCCGTG
ASCRP004	hsa_circRNA_10	-2.28726					TTGTTCCAGCCAGTATAAATGACCAAGGATTGTACAGA
038	3747	92	Down	Exonic	chr4	ARHGAP10	GTTGTGGG
ASCRP002	hsa_circRNA_10	-2.00037					AAGAGGCTGACCGCAAATACGAGGAGGCTGAAGGTGA
786	2469	2	Down	Exonic	chr19	TPM4	TGTGGCCGC
ASCRP005	hsa_circRNA_40	-2.36378					TTTAAGAAGGTTGGCATGTCTGTCAACATGTTTGAGTGG
356	0062	42	Down	Intronic	chr20	EIF2S2	CTCTCCT
ASCRP004	hsa_circRNA_10	-8.34522	Down	Exonic	chr9	BNC2	TTATTCAGAATGTCCCAACAGTCAGAAGAGGCAGAAGT

987	4737	13					GGATGTGA
ASCRP003	hsa_circRNA_10	-2.17468					ACTGTGGAAGAATATTGTGGGTAATGCTAGGCCTAAAG
354	3049	79	Down	Exonic	chr20	PHF20	AAACAGAT
ASCRP000	hsa_circRNA_00	-6.90564		antisens			GCTTCACATGGTTTTAAAATGTGCTGCTGTGGTTTGACC
240	1264	98	Down	e	chr1	ST6GALNAC3	TAGAGTA
ASCRP000	hsa_circRNA_00	-2.23040					CTATCCACAGTTTTTCCTAAAATTCCCTTTTCCACTGGTGT
379	2086	15	Down	Exonic	chr7	AC005154.6	GTGGTG
ASCRP002	hsa_circRNA_10	-5.56395					TTTTGAAGCAAAACGTGGATGTCTGAAGCAGAGGCATCA
635	2316	44	Down	Exonic	chr18	MIB1	AGCATGAT
ASCRP004	hsa_circRNA_10	-2.15887					ACCAACTGAGGGAATGCAGAGAGCAACCAATGTCACCT
006	3714	22	Down	Exonic	chr4	PAPSS1	ACCAAGCC
ASCRP002	hsa_circRNA_10	-2.14737					TGGAACAAGCACAAGTGAGATGGAAGATTTTCGAGGTA
626	2307	38	Down	Exonic	chr18	CEP192	TAGCAGAA
ASCRP005	hsa_circRNA_10	-7.74578					TGCATACCAGGAGTGACACTGCTGATCCTGTAACATGG
131	4884	89	Down	Exonic	chr9	KIAA1958	AGGATTGT
ASCRP000	hsa_circRNA_10	-3.74109					CGTGCAGATGGGCGGGACGATCATTGGCAGTGC GCGGT
913	0532	89	Down	Exonic	chr10	PFKP	GCCAGGCC

ASCRP005	hsa_circRNA_10	-2.14189					TATCACCTAACGCTTCAAGGTTACTGACTTTTTATGATG
027	4777	91	Down	Exonic	chr9	ZCCHC7	TTTGGTG
ASCRP003	hsa_circRNA_10	-2.17338					CTCTTTGGCAATGTTTTCTTGGACGAATTTAGCTTGGGT
921	3626	3	Down	Exonic	chr4	PDS5A	TAAATCA
ASCRP003	hsa_circRNA_10	-3.53480					AATGATTGAGACTTGCAAGGTGATTGAAGATAGTACTG
812	3514	16	Down	Exonic	chr3	FNDC3B	GAGTCCGC
ASCRP004	hsa_circRNA_10	-2.05863					TGTGGGGTTGATACATCTCAAATTGAGGCACACCTTGG
989	4739	42	Down	Exonic	chr9	BNC2	GCCCACCC
ASCRP004	hsa_circRNA_10	-7.04640					TTTGAAAGAGGGCAGCTGAGCTTCAGTCATTGTCTATTC
070	3780	82	Down	Exonic	chr5	CEP72	CTGGAAC
ASCRP004	hsa_circRNA_10	-2.65246					CATCTTTACACACTAAATCATGGAAGGGAAGTGGTTGC
305	4030	13	Down	Exonic	chr5	CANX	TGTGTATG
ASCRP001	hsa_circRNA_10	-2.02373					TGTGCCCATCACAGGTGTACATCGGTGAGCTCCCCGAG
111	0737	97	Down	Exonic	chr11	TOLLIP	GACTTCCT
ASCRP000	hsa_circRNA_10	-3.05608					TCCACGTTCTAGTTTTTCGTTGGAATATACGTTGCACAT
531	0141	64	Down	Exonic	chr1	PTP4A2	TTATGGC
ASCRP000	hsa_circRNA_10	-2.20109	Down	Exonic	chr1	TMEM63A	ACCTCTCAGGGGACTTGCTGGTGATGACCAGATCCTGG

851	0468	33					AATGGTGT
ASCRP000	hsa_circRNA_00	-2.26327					CCTGGGGCAGGGGTGGCCTCTTTCACTTTAACCTGCTCC
031	0300	29	Down	Intronic	chr2	GALNT14	TCACCTT
ASCRP002	hsa_circRNA_10	-11.7452					GGATGTCAAGAATGGAGGCAACCTGCTGTGTGCAGTGG
888	2575	21	Down	Exonic	chr19	EML2	ATGAATCC
ASCRP002	hsa_circRNA_10	-2.13513					ATGAGTCAAGTTTGTGTCAGGGAGCCACTGGTGATGTGGA
650	2331	91	Down	Exonic	chr18	TTC39C	TGGGGCAC
ASCRP003	hsa_circRNA_10	-2.42607					CACATCCCCGGTCTCCATGTAGTGGAGGTGACATATGA
699	3401	79	Down	Exonic	chr3	FLNB	TGACGTGC
ASCRP002	hsa_circRNA_10	-2.12437					GCTGTGCCAAGCTCTGACGCCCCTCTGCGGCTTCGGTG
542	2214	34	Down	Exonic	chr17	USP36	TTTGAAC
ASCRP003	hsa_circRNA_10	-2.49523					AAGAGAATTAAAGTGGAGGTAAACCCATCCAGAGTAA
184	2876	87	Down	Exonic	chr2	NAB1	TGGCTGCG
ASCRP002	hsa_circRNA_10	-2.06680					CCCGGATGAGGGATTTGTCTTGGCTGTTACTATGACACG
711	2392	13	Down	Exonic	chr18	ATP9B	GGAAGCA
ASCRP000	hsa_circRNA_00	-2.51160					AAACATCACTATGGCTGGTGAACGTGTGTGCTGGTGTC
150	0911	89	Down	Intronic	chr21	IFNGR2	CCTGGGCA

ASCRP002	hsa_circRNA_10	-2.01370					TGATGTTGAGGAAACCCCTCCTGGAGTTTCCCCAAAGC
872	2559	92	Down	Exonic	chr19	TMEM91	CATGGACA
ASCRP003	hsa_circRNA_10	-5.57531					CCATGTAAAGCAATGCCAAGTGAGTACACCTATGTGAA
087	2776	49	Down	Exonic	chr2	ST3GAL5	ACTGAGAA
ASCRP000	hsa_circRNA_00	-2.89853					CAAACACTGGAATCCTACTTTTTCTAGTCAAGGAAACTT
132	0820	1	Down	Exonic	chr12	SLC38A1	TTGAGCT
ASCRP002	hsa_circRNA_10	-4.97704					AGCCTGTGGTGGTCTTGGTGAAGAGTAACAACCTGACG
765	2446	08	Down	Exonic	chr19	CARM1	GACCGCAT
ASCRP005	hsa_circRNA_10	-3.44031					CAGTCAATGCATTATGGCCTAAAACAGATCTAAAGCAT
130	4883	65	Down	Exonic	chr9	HSDL2	GTATTCCT
ASCRP003	hsa_circRNA_10	-3.03227					GAATGCCCTCTCTCCCAGGAATAATCAAGCTGGGAAGG
197	2889	62	Down	Exonic	chr2	SATB2	TGGAACCC
ASCRP005	hsa_circRNA_10	-2.18499					ATGACTTTGAGGAGATCAGACACTCCTCTAATTTACAA
066	4817	02	Down	Exonic	chr9	IARS	AGCAGTGC
ASCRP001	hsa_circRNA_10	-30.3176					TCACGATTGAGTGTCAAAGAAGGAGGCTCTGTCGGTGG
360	0989	64	Down	Exonic	chr11	FLI1	TGAGCGAC
ASCRP001	hsa_circRNA_10	-2.90649	Down	Exonic	chr14	BTBD7	TAACATGCTTGCACAAGAAATGGATGAAAAGAGGCTGC

791	1432	73					TGGATCCA
ASCRP003	hsa_circRNA_10	-2.09027					TGGGACTCCTGGTGACTGCTGAGGTTGGAAAGCTCTTG
902	3607	81	Down	Exonic	chr4	QDPR	GGTGAAGA
ASCRP002	hsa_circRNA_10	-5.63852					CCAGACCATGTTTGCTGCTTTGTGGTGCACAAGCGGTGC
111	1765	31	Down	Exonic	chr16	PRKCB	CATGAAT
ASCRP000	hsa_circRNA_10	-2.05984					TTACATCTCTCCTGCGTCGGTGACTAAGCAATCAAAGA
922	0542	81	Down	Exonic	chr10	SFMBT2	GAAGTACA
ASCRP001	hsa_circRNA_10	-15.0452					GGTGGTGAAGTAGTGAAGCTTTTTATAACTATGATGCC
093	0719	21	Down	Exonic	chr10	DOCK1	AGAGGAGC
ASCRP002	hsa_circRNA_10	-2.28163					AACAGAACATCTTACATGAGGAAGAAGGCAGGTGGTGT
319	1980	32	Down	Exonic	chr17	TMEM220	ACACAATC
ASCRP000	hsa_circRNA_10	-2.06426					AAGGCAACAGGTGTCACAGCACGGTGGAGGAACTGCA
633	0245	26	Down	Exonic	chr1	FGGY	ATGTCTGGT
ASCRP002	hsa_circRNA_10	-5.70516					ATGTGACTGAGAGAGAAGGCGCACCTATGTTGGCAGCA
154	1809	18	Down	Exonic	chr16	LONP2	TGCCTGGT
ASCRP000	hsa_circRNA_10	-2.41494					GGACAGCGTCTCCGTACAGATGACCAGCTGAACTCAGA
770	0385	45	Down	Exonic	chr1	PRRX1	AGAAAAAA

ASCRP001	hsa_circRNA_10	-2.53858					TTTCTGAATGGATGGGAAGGCCATTGTGACTATGTGGT
839	1488	65	Down	Exonic	chr15	MGA	GATTACAG
ASCRP003	hsa_circRNA_10	-4.40541					CTTGATATTACAGGCAGATGATGTTGAGGGCAAAATTA
161	2853	72	Down	Exonic	chr2	HAT1	GACAAATC
ASCRP002	hsa_circRNA_10	-2.13795					TGTAGCTGACTTTTTCCCAGGTCATGAGTCTCGGGCTAC
191	1848	62	Down	Exonic	chr16	CIRH1A	AGAAGCT
ASCRP004	hsa_circRNA_10	-2.84898					CCACATGCTGCTCACAGAAATGCAAGTTGAGAGTAGTT
913	4660	66	Down	Exonic	chr8	VPS13B	ATTACAGT
ASCRP002	hsa_circRNA_10	-2.76966					CTCTCCCAAGTGCACTCACTCTTGAGGATGAGAAAAGA
094	1748	18	Down	Exonic	chr16	C16orf62	ATGCTGTC
ASCRP004	hsa_circRNA_10	-2.24352					AGTCCACCAGCAGTCCTAGAGTCTGCACCAGCGGACCG
186	3906	09	Down	Exonic	chr5	RASGRF2	AGCAGGAG
ASCRP001	hsa_circRNA_10	-2.14167					CCAGATACTATAGGAACTCTAATGAATCATTGATTGAC
057	0683	19	Down	Exonic	chr10	SHOC2	CAGCACTA
ASCRP001	hsa_circRNA_10	-2.05484					GAAGACTGAGGCAAAGGGGCTGATTTGAGTAAGCCTCC
073	0699	75	Down	Exonic	chr10	ATE1	ATGTCGAA
ASCRP002	hsa_circRNA_10	-4.61221	Down	Exonic	chr19	MARK4	TATTGTACACAGGGACCTGAAGTGAAGCTCTTTGAGGT

882	2569	7					GATTGAGA
ASCRP001	hsa_circRNA_10	-2.55415					CTATTTCTCAGCCTAATTTGTAGATATCCTCAAGAAGAT
914	1563	46	Down	Exonic	chr15	DENND4A	TATGAGT
ASCRP005	hsa_circRNA_40	-2.75421					TCCCCAAGGTCAGGACTTCTCCCCTCTGGGCTCTGGCT
365	0071	81	Down	Intronic	chr22	MYH9	GGAGCCA
ASCRP003	hsa_circRNA_10	-4.45672					AGCAACCAAAAGCCAGGTGATCTTTAGACAGTGACTGA
604	3306	5	Down	Exonic	chr3	SATB1	GTATGGAT
ASCRP003	hsa_circRNA_10	-2.61549					GATCCCTCTATGTCAGCTTCTTCTCAGCCTGTTGATAAC
861	3563	78	Down	Exonic	chr3	DLG1	CATGTTA
ASCRP003	hsa_circRNA_10	-2.31317					TCCTTCAAGTGAACAATTGGTGATGGCTTGGACAACAG
062	2750	75	Down	Exonic	chr2	MEIS1	TGTAGCTT
ASCRP003	hsa_circRNA_10	-2.44719					AAAGGTGTGGTTAACGTCCTCCCAGGATCTGGCTGGTG
754	3456	71	Down	Exonic	chr3	ALDH1L1	GAGGAAGT
ASCRP002	hsa_circRNA_10	-4.17123					TCCTCCCTGTTTCATCATTGCCTCCAAGCGTGTCGGGAGC
827	2513	58	Down	Exonic	chr19	GPI	GGTGACT
ASCRP002	hsa_circRNA_10	-2.24639					TACAGTATCCAAGTGGCAATAGGCATCAAGCATGATGG
634	2315	94	Down	Exonic	chr18	MIB1	AACCATGT

ASCRP003	hsa_circRNA_10	-2.39294					GGCTATTGTAGAAGCTGGGTATTTGAAGTATACCATAC
628	3330	58	Down	Exonic	chr3	CTNNB1	AACTGTTT
ASCRP002	hsa_circRNA_10	-2.74057					GAACTCAAAGATGCCCTTAAAAGTTACTGTAAAATGGG
602	2283	7	Down	Exonic	chr18	USP14	GAAAGGAG
ASCRP001	hsa_circRNA_10	-2.36061					ATCATTGTATTGGTGTAGAATGAGCCAAGGAGACTCAA
329	0957	66	Down	Exonic	chr11	PAFAH1B2	ACCCAGCA
ASCRP003	hsa_circRNA_10	-2.97448					TCAATCACAGCATAAAAAGCTTCGATGATGAAGAATCAG
618	3320	89	Down	Exonic	chr3	CLASP2	TGGATGGA
ASCRP004	hsa_circRNA_10	-3.96377					GCTGGAGGAGGTCGTTTTCTGATGTGACGGCTGAGACA
945	4693	68	Down	Exonic	chr8	ASAP1	TGAGATCT
ASCRP000	hsa_circRNA_10	-2.28357					TAGTGCCAAGGAAAGCAGCTGGCCCTTCTCAAGACCAA
535	0146	01	Down	Exonic	chr1	EIF3I	TTCGGCTG
ASCRP001	hsa_circRNA_10	-4.25299					ACACATTAATATCACCCGAAACAGCCTCATTCATGTGT
873	1522	95	Down	Exonic	chr15	DMXL2	GGTGTTG
ASCRP002	hsa_circRNA_10	-9.64522					TACATCAGCCGCAGCGAGATGCTGGAGATCGTGCAGGT
930	2617	13	Down	Exonic	chr2	HPCAL1	GTAGTCGC
ASCRP004	hsa_circRNA_10	-2.27290	Down	Exonic	chr7	PTPN12	TTCATTGCAGGAGGATGAACAAGCAAGAACAGACTACT

675	4419	85					TCATCAGG
ASCRP001	hsa_circRNA_10	-2.21757					GGATAACAATGTTTATCGCTGTGATGATTTTGTGGTTAA
898	1547	87	Down	Exonic	chr15	USP3	TGACACC
ASCRP003	hsa_circRNA_10	-3.05813					TCATTATGAGAATGACAGGGAGAGAGTTTTTCTCTCGTT
020	2708	27	Down	Exonic	chr2	THADA	TCCCAGA
ASCRP002	hsa_circRNA_10	-7.50486					TTTCCCTGCAACAGTCGAGCAAAAGATGTGATAATACC
052	1705	79	Down	Exonic	chr16	TXNDC11	AGCAAAGC
ASCRP001	hsa_circRNA_10	-5.07195					TTCTGAAGGAGCAAAGCGTAGAAGGTTTTCCTCCAAAC
483	1116	37	Down	Exonic	chr12	USP44	CAGTTGTA
ASCRP000	hsa_circRNA_00	-2.72360					CCTAACACAGTTTTAGATGGAGTTTGGCTTGGTTTTCTT
016	0162	42	Down	Intronic	chr13	DLEU2	ATTCCAT
ASCRP001	hsa_circRNA_10	-2.07650					CTCTGTAAAGGTTGAAGAAGGAAGTAAAAATATACGGC
168	0794	08	Down	Exonic	chr11	PDHX	TAGGTTCA
ASCRP003	hsa_circRNA_10	-7.16896					CGTAACAACCTTATGACATGGATGGTACAAAACAGAAGA
603	3305	39	Down	Exonic	chr3	PLCL2	GGGAACGG
ASCRP002	hsa_circRNA_10	-2.21476					AACAAGAATTGTCAGAAATCATAGCCCACTAATGAGTT
647	2328	64	Down	Exonic	chr18	TTC39C	TTGGAGCC

ASCRP004	hsa_circRNA_10	-2.17641					AAGATCACAGTAACAGCAACAAGTGGGAATGGAGACTT
276	3996	69	Down	Exonic	chr5	CLINT1	TGGTGA
ASCRP001	hsa_circRNA_10	-2.13204					ACTCACAGAAGTTGGCTAGAGATTTACTACATCCGTCCT
895	1544	68	Down	Exonic	chr15	RPS27L	TGGAAGA
ASCRP000	hsa_circRNA_00	-2.18527					ATGATGGATGGGCCTAGTTTGCCTTTGAGTGTGTGTCTG
144	0881	51	Down	Intronic	chr17	MSI2	TTTGGGG
ASCRP003	hsa_circRNA_10	-2.18871					TAATGTCCCTGCAGTTATACTTAAGCATGAACATTGACG
752	3454	1	Down	Exonic	chr3	ZNF148	ACAAACT
ASCRP002	hsa_circRNA_10	-2.68732					TGAGATTGAGAAACATGGTGGTGGCTTTGAAGGAGCTG
380	2045	85	Down	Exonic	chr17	ACACA	TCTATTCTG
ASCRP000	hsa_circRNA_10	-8.94522					TTTTGTTCTATCAGAGACATTTTAAATCCAAAGGATGTG
551	0162	13	Down	Exonic	chr1	ZMYM4	ATCAGTG
ASCRP002	hsa_circRNA_10	-2.25385					CCTTTTGCTAACAAAAACAGGTATGTGATAGTGGAATG
672	2353	45	Down	Exonic	chr18	PIK3C3	TGAAGATC
ASCRP000	hsa_circRNA_10	-2.32378					ACAGATAAGGGTTTAAATGTGATACTGGTGTAGATCTC
961	0583	24	Down	Exonic	chr10	ARHGAP12	CTTGTTCT
ASCRP000	hsa_circRNA_00	-2.31126	Down	Intronic	chr20	PREX1	TGAATGGATGGTAGATGGAGGCAGGTGCATGTGTGATG

267	1405	46					GGAAGTGT
ASCRP004	hsa_circRNA_10	-9.64522					CCGAGCCCAGCATCCAGAGCTGCTGTTGGCGGATTGTA
338	4064	13	Down	Exonic	chr6	ATXN1	CCCACGGG
ASCRP002	hsa_circRNA_10	-2.75843					TGACTCTGTGGTCATGGTTGCTGATCAGCTCTGTGCCAA
211	1868	97	Down	Exonic	chr16	IST1	GTATAGC
ASCRP005	hsa_circRNA_10	-4.99163					ATGTCACAAAAGCGGATGTTGAAAAGAACTTTCACGAT
185	4938	42	Down	Exonic	chr9	FNBP1	GGCCGTAA
ASCRP000	hsa_circRNA_00	-2.10971					AGTGTCAGGGTACGGCCGCGGAGCTTAAGAGAGAAGTG
188	1058	16	Down	Intronic	chr14	PSMC6	TTCCAGTT
ASCRP004	hsa_circRNA_10	-2.13845					ATCTCTATTGGTTCATGCATGGGAGATCTCAGACCAGTT
733	4479	26	Down	Exonic	chr7	TNPO3	GTTACAG
ASCRP002	hsa_circRNA_10	-2.86641					CCAGGATGATGATGAGATGGAAGATTTTCGAGGTATAG
625	2306	96	Down	Exonic	chr18	CEP192	CAGAAGAA
ASCRP000	hsa_circRNA_00	-4.18989					AACTGTAAGAGTAAGATAAGCAAGAGTCAGCTTATCCT
163	0958	53	Down	Intronic	chr5	SERINC5	TTCATTTT
ASCRP002	hsa_circRNA_10	-2.40310					TCTCTTCTCGCCCTGGCGGGGAAGACTCATGAACAAGC
718	2399	71	Down	Exonic	chr19	CNN2	TACAGCCG

ASCRP005	hsa_circRNA_10	-6.64819					AAAGTACTATGATATTTTGATGCATACGAAAGAGATGG
238	4991	38	Down	Exonic	chrX	POLA1	TACAAAAG
ASCRP001	hsa_circRNA_10	-2.14587					TGCTCAGGGACCCTGTGGAGAGGAAATCTGGCATTTTTT
078	0704	42	Down	Exonic	chr10	CHST15	AAAGTTT
ASCRP005	hsa_circRNA_10	-4.43527					AGGGCGCGGCAGTATCCTTGGGGCACTGTGCAGGCTAC
275	5028	19	Down	Exonic	chrX	SEPT6	AAGCCTAT
ASCRP003	hsa_circRNA_10	-3.47430					TGTTTCATCAGCATCAAATGGGGTGGCACTGAATCAACA
948	3654	3	Down	Exonic	chr4	ANKRD17	AGACAAGC
ASCRP000	hsa_circRNA_10						ACAAAATTGGACTACTGCTTGCTGCAAAGGGGCATAAG
631	0243	-2.57069	Down	Exonic	chr1	OMA1	GAAATGGT
ASCRP005	hsa_circRNA_40	-2.59261					GAGGAGACCCCAGCAGGGCTGGCCTTGAAGCCGGAAG
391	0098	08	Down	Intronic	chr9	PTGES2	CCTGGGCCC
ASCRP002	hsa_circRNA_10	-6.33471					TTTTGGGGAGGTCCCTGAGTGCCAGAGGTGGTGGTGT
761	2442	82	Down	Exonic	chr19	KEAP1	GCTTATCT
ASCRP000	hsa_circRNA_00	-2.95900					GTGGTTAAGACAGTGTTGTGTTGAAGGGACTGTTTATA
022	0200	25	Down	Intronic	chr16	C16orf72	ATTTTCAC
ASCRP003	hsa_circRNA_10	-3.64177	Down	Exonic	chr3	FLNB	TCACTGTCATGGCTTGGTGGAGCCAGTGAACGTGGTGG

700	3402	82					ACAATGGA
ASCRP000	hsa_circRNA_10	-2.54394					CACATCAAGAGACTTTTTTCAGGAGATATTGCACCTTTA
896	0514	65	Down	Exonic	chr1	CNST	ATGCAAG
ASCRP004	hsa_circRNA_10	-2.23506					GGAAAAAGAGGAAAGATTTCTGCCCAGCAGACCGGGTT
952	4700	97	Down	Exonic	chr8	PTK2	ATCCCAGT
ASCRP005	hsa_circRNA_10	-3.44245					CTCCTGTTCTCCTCAGAGCCTGGATTTGGACGTGGCAGA
012	4762	89	Down	Exonic	chr9	UBAP2	GGGAGAG
ASCRP001	hsa_circRNA_10	-10.1549					TGAGCTGTCAACATCTGGCGAGGCCCAATGTGAACTG
489	1122	99	Down	Exonic	chr12	ANKS1B	CACAGACA
ASCRP001	hsa_circRNA_10	-2.93464					GCTTGACCCCTGCTGCAATTGGCCTCGAGCTGTGGCAG
846	1495	53	Down	Exonic	chr15	TTBK2	GTTTTCGA
ASCRP000	hsa_circRNA_10	-2.67938					CGTATTTTTTGCCAAGGGTTTGTGTTTAGTGAATCAGAG
939	0559	21	Down	Exonic	chr10	FAM188A	GGATCTG
ASCRP001	hsa_circRNA_10	-2.42479					TGTGCTTGGCTCAGGAAAAGCTGGAACGGGTGATCCTA
226	0852	67	Down	Exonic	chr11	DPP3	GGGAGTGA
ASCRP000	hsa_circRNA_10	-2.21353					CCGGAAAGAGGTCTGGGGTCCTGAGGCTGCTGGCAGAC
990	0615	42	Down	Exonic	chr10	KIAA1274	TATGGGTA

ASCRP004	hsa_circRNA_10	-2.27100					GAAAAAACTTAGGTTGCACAGTGAATTAAAAGATGCT
031	3740	31	Down	Exonic	chr4	SCLT1	GTTGAAAA
ASCRP004	hsa_circRNA_10	-2.07202					GAAGCACAATGTGGATTTTTTGAAATTCAGTGCTCAAG
059	3769	2	Down	Exonic	chr4	NEIL3	AGTGAAGA
ASCRP005	hsa_circRNA_10	-2.62649					TTGAAAACGGCGTTAGAATGGCATGGGACTCGCTGTGC
039	4789	97	Down	Exonic	chr9	PCSK5	TGGAGAAG
ASCRP001	hsa_circRNA_10	-2.14087					CCACACAAAGGTAACAGAGATTCAAAGGTACCTTCAGA
838	1487	28	Down	Exonic	chr15	NUSAP1	AGGAAAGA
ASCRP000	hsa_circRNA_10	-2.18889					GGAATTATTCATCGGCTTCTTGGTGAATTTTGGATGAA
966	0589	95	Down	Exonic	chr10	MAPK8	GCCATTA
ASCRP003	hsa_circRNA_10	-2.35393					CCCAGCACGGGTTTCATCTGCAGAAGCCAGCGGACGCCT
266	2959	52	Down	Exonic	chr2	HDAC4	CTGTTCAA
ASCRP004	hsa_circRNA_10	-3.17193					AGATGTCATGGGCGGGAAAGGACGCATAGGAGTGGTC
629	4367	78	Down	Exonic	chr7	TNS3	ATATCATCC
ASCRP005	hsa_circRNA_40	-9.85041					CCCTCCTCCCCTGCTGTGAGGCCAGGGTCCAGGGGCAG
327	0031	14	Down	Intronic	chr17	MINK1	CCTGGAGG
ASCRP000	hsa_circRNA_10	-2.63722	Down	Exonic	chr1	RERE	GCCTGTAGGGCATTTTTGAAACGTTGGGGTTGTTGGAGT

431	0041	88					GGTTGGA
ASCRP000	hsa_circRNA_10	-5.78094					TCCAACACGGAGATCCCATGGACCTGATGCCAAGCTGC
750	0365	7	Down	Exonic	chr1	NTRK1	TGGCTGGT
ASCRP003	hsa_circRNA_10	-2.29414					AGTCCTGCAGACAGGTGATTTGGCTTCTGCACAGTTAG
165	2857	33	Down	Exonic	chr2	SP3	GAGGAGCA
ASCRP001	hsa_circRNA_10	-3.77427					TCGGGGACCTAGATCCTCTCAGACTCCGAGGAGGACCG
523	1160	89	Down	Exonic	chr12	SLC24A6	GGTATCTT
ASCRP002	hsa_circRNA_10	-4.10998					CTCTCCCAAGGTGGGAATGGAAGTGGCCCCACATCTCA
090	1744	26	Down	Exonic	chr16	C16orf62	AAGAAACC
ASCRP000	hsa_circRNA_00	-2.49156					CGGAGTGCAGGCTTGGTAGTTCTGAGAATTTTAGATTCA
061	0526	87	Down	Intronic	chr10	ADK	GTTATAA
ASCRP004	hsa_circRNA_10	-4.26762					ACGTTTCTTTTCTCATGGTGGAGGCTGCATGGCTGGAAG
827	4574	27	Down	Exonic	chr8	TRIM35	GCCGGAT
ASCRP003	hsa_circRNA_10	-2.08139					CCAGCCTTTTTGAGATGATTTACACAATGAAGAAAGTA
181	2873	01	Down	Exonic	chr2	TFPI	CATGCACT
ASCRP003	hsa_circRNA_10	-3.23233					TGAGGAAGCCCAGAAGCTTTGTGGGTCACTTCAAGTCT
373	3069	74	Down	Exonic	chr20	PABPC1L	CGACGGGA

ASCRP002	hsa_circRNA_10	-2.75415					CACTAAGGGGAAATCCCAGGCATCAAGCATGATGGAAC
636	2317	73	Down	Exonic	chr18	MIB1	CATGTGTG
ASCRP000	hsa_circRNA_10	-5.77435					GCTGGTTTAGACTCAAGAACCTGGAGCTAGCTGCTGTG
518	0128	53	Down	Exonic	chr1	MECR	AGAGGATC
ASCRP000	hsa_circRNA_00			intragen			CCCCAACGTGGGCAGGAGCGCGCGGAGGGTAGCGATG
169	0984	-2.46387	Down	ic	chr7	CDK6	GAGGCTTCG
ASCRP005	hsa_circRNA_10	-4.51370					AAGGATGGAGGTGTGTTCCAGAGAACAAGCCTTCAGAC
154	4907	19	Down	Exonic	chr9	STRBP	ATTTGCTA
ASCRP000	hsa_circRNA_00	-2.05084		intragen			CTGGAGTAACTGGCATGTGAACAAGCTTTTTCTGTATTT
062	0543	44	Down	ic	chr11	MALAT1	ACATACA
ASCRP000	hsa_circRNA_10	-2.01117					TATACCTCAGGTAGTCAAGTGAAAAAATGAGCTTCATC
630	0242	58	Down	Exonic	chr1	OMA1	TGTGGATT
ASCRP004	hsa_circRNA_10	-2.38294					ACTTGGACAGCTCTCTATGCATCGAGAGTAAACATGAG
737	4483	84	Down	Exonic	chr7	UBE2H	GTTACGAT
ASCRP004	hsa_circRNA_10	-4.19834					ATTCAAACATAGCAACTGAGGGCTTCGTGGGACACATA
117	3827	52	Down	Exonic	chr5	HMGCS1	TGCAACAT
ASCRP001	hsa_circRNA_10	-5.29561	Down	Exonic	chr13	NBEA	CAACTGTCTGCTGGTTGGTGGAGAATTTGACTTGGAGAT

611	1248	61					GAAC TTT
ASCRP002	hsa_circRNA_10	-2.94261					CACTTTAGATGATGATCTTGAGCCAGATGATTGTGCATC
181	1837	23	Down	Exonic	chr16	NFATC3	CATTTAC
ASCRP001	hsa_circRNA_10	-3.81173					CCCAGTGGTATCCTGAAACAGGAATCATTCAAAC TGA
023	0649	21	Down	Exonic	chr10	PLCE1	TTTTAAAA
ASCRP003	hsa_circRNA_10	-2.08342					TCAAATCTGTGTGGAGCAGGTGCCTTAGCTGGACCAAT
726	3428	16	Down	Exonic	chr3	PVRL3	TATTGTGG
ASCRP000	hsa_circRNA_00	-6.74621					TATACTAAGCTGATATCCGGAGTGTGATGCAGAAGTAC
243	1282	11	Down	Intronic	chr22	ADRBK2	CTTGCAGA
ASCRP001	hsa_circRNA_10	-2.27208					CCACCACTATTAAATTGACGTGAGTGAATTCAGATATA
338	0966	63	Down	Exonic	chr11	DDX6	ACTCAAGC
ASCRP002	hsa_circRNA_10	-2.03332					CTCGGATAAGTGTTGCTGTGGATGTATGGTCGACGCTG
284	1943	96	Down	Exonic	chr17	SMG6	GCTGATTT
ASCRP003	hsa_circRNA_10	-2.51949					TACCTCCCAGGTGAACAGCATGAAGGAGCTGTACTTGC
361	3056	32	Down	Exonic	chr20	KIAA0889	TGATGGAG
ASCRP004	hsa_circRNA_10	-3.17344					ACTCTGTACAATGCCGGTGGTGGTGTGCACATTGAGCC
767	4513	76	Down	Exonic	chr7	NDUFB2	CCGGTATA

ASCRP000	hsa_circRNA_10	-2.16263					TCATGGAGAATCCGGGCGTGCTGGAGGTACTGTCAGAG
415	0025	19	Down	Exonic	chr1	NPHP4	GTTGAATG
ASCRP005	hsa_circRNA_40	-2.42058					CCCCC AAAAGCGGTGAAGTAGGTATTTCTTTGTATTT
320	0024	25	Down	Intronic	chr12	DDX11	TCTTTTT
ASCRP001	hsa_circRNA_10	-14.8452					ATTCTGAACTCATTGGGGCAGCACTGAAATACTTACCA
099	0725	21	Down	Exonic	chr10	DOCK1	ACGATCGT
ASCRP000	hsa_circRNA_00	-5.27672					AGACGGGGCTGAGGGGGGAGGGTTGGAGTTTGCGCATG
069	0578	78	Down	Intronic	chr13	DLEU2	CGTAAAAA
ASCRP005	hsa_circRNA_10	-2.05484					TATTTTGGAGAATCTGAGGTGGTTTATTTTGATGGACAA
035	4785	75	Down	Exonic	chr9	CNTNAP3	AGTGCTC
ASCRP000	hsa_circRNA_00	-4.27743					TGGGTGGTGTCGGGTAGGCCTCGCAATGTATTCAAGTT
167	0963	55	Down	Intronic	chr6	BCLAF1	ACTCCAGG
ASCRP003	hsa_circRNA_10	-2.20179					AAACATGATACAATCTGCAAATGGTGGTTCTGCTGGGC
121	2812	03	Down	Exonic	chr2	CLASP1	ATGGACAT
ASCRP001	hsa_circRNA_10	-2.63834					TACTGGAAAGGCAGCGGAGGAGGAAATGGCAGGTCCT
006	0632	26	Down	Exonic	chr10	SAMD8	AATCAACTC
ASCRP000	hsa_circRNA_10	-2.02381	Down	Exonic	chr1	WDR78	AGTTTCACAGGAACAATGCCACACAACCAAAGAAGTCT

647	0259	78					ATTAGCTT
ASCRP002	hsa_circRNA_10	-9.14522					AGATCATGGGACTGATAAATTGGAGACGCAGGTCAGAA
430	2095	13	Down	Exonic	chr17	KIAA1267	TGGAAATG
ASCRP003	hsa_circRNA_10	-2.87178					CAAATAGCAGGCAGTGGAGCTACTGCTGTGGTTCAGGC
150	2842	51	Down	Exonic	chr2	STK39	AGCCCTAT
ASCRP000	hsa_circRNA_00	-2.10001					TCACACATAGGAGACGGGTTTGGCTCTGTGATTCATCA
275	1430	89	Down	Exonic	chr5	CTD-2215E18.1	GAAATAAG
ASCRP002	hsa_circRNA_10	-2.21279					GGCTGATAAAGGCAAAACAGAGTGAGATGGAAGATTTT
627	2308	3	Down	Exonic	chr18	CEP192	CGAGGTAT
ASCRP002	hsa_circRNA_10	-2.02809					GTCCTGTTATTGAGTGAGATGGAAGATTTTCGAGGTATA
628	2309	24	Down	Exonic	chr18	CEP192	GCAGAAG
ASCRP003	hsa_circRNA_10	-4.48279					GGTGCCTCAGGTGGTGGTCTGTCACGTGGTGGGCCAGG
440	3137	33	Down	Exonic	chr21	C2CD2	CTATTCAG
ASCRP000	hsa_circRNA_00	-2.87893		antisens			CCGGGAGATGGTGCTGTTGCCACCCACCAGGATGGTGG
074	0596	14	Down	e	chr15	ADAMTS17	CTCTTTTG
ASCRP004	hsa_circRNA_10	-10.5979					CTCTGTTGGCTATATATTATGTTTGTTGTAGCAGTGTTCT
477	4204	8	Down	Exonic	chr6	AIG1	GGATCA

ASCRP001	hsa_circRNA_10	-2.54864						TTCAGAGGTCCTTTCAGGGGCAATTTTGAGGCGGGCAC
888	1537	01	Down	Exonic	chr15	RNF111		ATGAACGC
ASCRP003	hsa_circRNA_10	-2.17539						ACAGCACGAGGTGCTGCGAGTGGCTGAGATGCTGCGGT
392	3088	16	Down	Exonic	chr20	ATP9A		GGAGGGGA
ASCRP004	hsa_circRNA_10	-2.02749						GATTTCCATGTGGACGGCCTGTTTCATCTTACTATGAAA
465	4192	29	Down	Exonic	chr6	AHI1		AAGAGAA
ASCRP002	hsa_circRNA_10	-4.51706						TAGACAAACCAGAGATTAGCTCTGCTCTGGTATCATACT
649	2330	41	Down	Exonic	chr18	TTC39C		GTAGTCC
ASCRP004	hsa_circRNA_10	-4.42697						TTGAAGAATCTGGAGGAACAGAGAGAAATTATGGTCTG
037	3746	73	Down	Exonic	chr4	ARHGAP10		TCAGTGGC
ASCRP001	hsa_circRNA_10	-3.64628						CTCGGGGTGACAAAGAAGCTGAAAATGTGTGTCTGACA
664	1305	14	Down	Exonic	chr13	TMCO3		TGCAAGCT
ASCRP003	hsa_circRNA_10	-4.97840						AGTCAATCAAGGTGTACAACTATGAGCCTTTGACACAG
301	2994	31	Down	Exonic	chr20	MCM8		CTCAAGAA
ASCRP005	hsa_circRNA_10	-2.82940						AAATTTGGTGCCTGGAGTAGGAGTTTGGTGGTAATCCA
052	4803	3	Down	Exonic	chr9	UBQLN1		TTTGCTTC
ASCRP002	hsa_circRNA_10	-2.10673	Down	Exonic	chr19	TPM4		GAAAAAGCTGCAGATGAGAGTGAGAGGCTGAAGGTGA

785	2468	62					TGTGGCCGC
ASCRP002	hsa_circRNA_10	-2.22127					CTACATGGCTGTTCTCCGGGGCTTGGCGTACCTCCGAGA
734	2415	82	Down	Exonic	chr19	MAP2K2	GAAGCAC
ASCRP001	hsa_circRNA_10	-2.63600					ATCCACCCGGTGGAAGCTGCACAGGCATGCTGCAGACA
363	0992	51	Down	Exonic	chr11	PRDM10	GACCTTTC
ASCRP003	hsa_circRNA_10	-2.03978					TTTACAAGAGCCCTGAGCTGCCACGGATACTGAGGTTG
316	3010	27	Down	Exonic	chr20	ABHD12	GGGTGACT
ASCRP002	hsa_circRNA_10	-3.11637					ACGTGTGAAGATATTAATGAATGTGAACATCCAGGGCT
988	2676	74	Down	Exonic	chr2	LTBP1	CTGTGGTC
ASCRP003	hsa_circRNA_10	-2.32255					AAGACTAGAGCTCCTTTTTGGTTCAGGTGTGCTGGTGTC
053	2741	18	Down	Exonic	chr2	WDPCP	TCTAAGC
ASCRP002	hsa_circRNA_10	-2.33642					TCCTCCCCATCGGACAAAGTATTTTGGACAGATATCATC
770	2451	57	Down	Exonic	chr19	LDLR	AACGAAG
ASCRP001	hsa_circRNA_10	-2.21973					GCTTTGCAAGCCATATGTGTCATTGGCTCAGCAGATGGC
450	1082	07	Down	Exonic	chr12	RBMS2	ACCACCT
ASCRP003	hsa_circRNA_10	-2.06613					GCCCTGGCTGGTGGAGGGAGCAAAGTCCTGCACACTGG
577	3279	53	Down	Exonic	chr3	OGG1	AGTGGTGT

ASCRP004	hsa_circRNA_10	-3.06976					TAATCTTCCCTCTCTTCCGGATAGGCAGTTGGTGTCAACC
757	4503	5	Down	Exonic	chr7	TRIM24	AGCCAGC
ASCRP000	hsa_circRNA_10	-2.45266					TGTCGGTTCAGATATTCTGCTCTCTTTGCTGAACTCGGT
759	0374	98	Down	Exonic	chr1	ATF6	TATTTCA
ASCRP002	hsa_circRNA_10	-2.97758					CTGATGATGATGAAAGTTACACAGATCCAGGATGAGAA
613	2294	82	Down	Exonic	chr18	ANKRD12	GACTGATA
ASCRP000	hsa_circRNA_00	-13.7399					CTTAGGTGGTGTGGGAAGATCTGTCTGAGAAGAAACAA
253	1350	55	Down	Intronic	chr10	BLNK	GAAAGCAA
ASCRP002	hsa_circRNA_10	-9.03070					ACAGCGACAGGATTTTGACACTTCATGACATGTCATTAT
159	1814	11	Down	Exonic	chr16	CHD9	TTAGAGC
ASCRP000	hsa_circRNA_00	-2.16431					ATGTGGGGGTGGAGGCTTAATTAACGTTTGTAATCCCT
026	0250	08	Down	Intronic	chr18	SMAD7	CTTGAGA
ASCRP003	hsa_circRNA_10	-3.15238					TTCAAGAAAGGTTTTAAATGCACAGAGAGCAGGATACA
791	3493	91	Down	Exonic	chr3	RNF13	AGGCAGCC
ASCRP005	hsa_circRNA_10	-2.38350					CTGTTACTGAAGCTTCAAGGTTACTGACTTTTTATGATG
026	4776	97	Down	Exonic	chr9	ZCCHC7	TTTGGTG
ASCRP001	hsa_circRNA_10	-2.26924	Down	Exonic	chr11	INTS4	CAAAACTGTTGCATCTGACAGATACGTCTCATGGTGTA

274	0901	62					AGAAATAA
ASCRP003	hsa_circRNA_10	-2.95490					ATGCGATTCTTATTGACCTTGATTATTCAGAGCTGGGAG
916	3621	34	Down	Exonic	chr4	TBC1D1	AGCTTCC
ASCRP005	hsa_circRNA_40	-2.22951					TGGATCGATGCATTTGCAGAAACAAAGATTGTGTGTGG
323	0027	82	Down	Intronic	chr15	SNURF-SNRPN	ATCGATGA
ASCRP002	hsa_circRNA_10	-13.5452					TTGGCTTTGCTGGCAGTGTATACGGTAAAATATGCCTTG
286	1945	21	Down	Exonic	chr17	SMG6	ATCAGTG
ASCRP002	hsa_circRNA_10	-2.95616					ACCCCTATATTTTCGATCTTGAGCCAGATGATTGTGCATC
179	1835	19	Down	Exonic	chr16	NFATC3	CATTTAC
ASCRP003	hsa_circRNA_10	-2.69956					TGGTCTTCTGTCAAAAACACAGGGATGAGGTCAGAAAA
882	3587	88	Down	Exonic	chr4	WHSC1	AGAGTGCA
ASCRP002	hsa_circRNA_10	-3.00718					ATCCTGTTGTGAAGATCTTGAGCCAGATGATTGTGCATC
180	1836	72	Down	Exonic	chr16	NFATC3	CATTTAC
ASCRP001	hsa_circRNA_10	-2.42727					TGCTTGTCAGGCAAGAGGCGCAGATGTTCCAGAGATTC
361	0990	31	Down	Exonic	chr11	ARHGAP32	CTGGAGAT
ASCRP004	hsa_circRNA_10	-2.49641					AAGCGATGAGGGCGGTGGCCAGTTTGAATACTCCCTTC
828	4575	11	Down	Exonic	chr8	EPHX2	ATACCAGC

ASCRP002	hsa_circRNA_10	-2.40517					TCTCATGTCTCTCTCAGACCAGCACCTGCTCCTGGGGGC
856	2543	1	Down	Exonic	chr19	MAP4K1	AGAGGAA
ASCRP000	hsa_circRNA_10	-4.64917					CCGTAGTGGATTGGTGGTTGGTGCAGTGGAGATGCCAT
779	0395	16	Down	Exonic	chr1	KLHL20	TTCCAGTG
ASCRP004	hsa_circRNA_10	-2.35765					CTCCAAAACATAGTTGAACAATGACCATAGTTGACAAA
563	4299	01	Down	Exonic	chr7	USP42	GCTTCTGA
ASCRP003	hsa_circRNA_10	-4.71139					AGAGGACTGGGAGCTCATCAGCGATGGCAGTGTGGTCT
130	2821	62	Down	Exonic	chr2	ARHGEF4	GCGCTGAA
ASCRP004	hsa_circRNA_10	-2.11527					TGACACTACGATCATCAATGCTGTGGTACTGTTGATTTT
907	4654	33	Down	Exonic	chr8	LAPTM4B	ATTGAGT
ASCRP001	hsa_circRNA_10	-2.59699					GTGTTCTGTGTTTTTTTGCCAGTTGTGCTCCTGGTTCACA
876	1525	36	Down	Exonic	chr15	PIGB	TGGTAT
ASCRP003	hsa_circRNA_10	-2.88642					GGGACTCCTGTGGGTTGCCAGCGTTGATGTGGTGGAGA
903	3608	73	Down	Exonic	chr4	QDPR	ATGAAGAG
ASCRP004	hsa_circRNA_10	-3.27365					GTGTGCATTGGTTTTTGAAGGAAGGATGTTGTAGAACA
805	4551	66	Down	Exonic	chr8	TNKS	CTTACTAC
ASCRP005	hsa_circRNA_40	-3.24351	Down	Intronic	chr17	RPL23A	ACCGATTCTAGTGTGTGTTGGTGATGGGGCCGCAGCTG

329	0033	51					GTTTACC
ASCRP002	hsa_circRNA_10	-2.18465					TGGTCATCTTCGCTTCCTGCGGAATGTGGTGTCTGGGCGA
716	2397	6	Down	Exonic	chr19	C19orf6	GCACTAC
ASCRP004	hsa_circRNA_10	-2.25225					TGTTGGCTCTCCTTAAACAGGATATACACATGACACCAT
228	3948	4	Down	Exonic	chr5	SEC24A	CCACTGA
ASCRP000	hsa_circRNA_00	-2.74021					TCTCCACTTTCTCCCCGTTTACCAGTCTAAGGGGTTGAC
192	1067	14	Down	Intronic	chr15	RP11-351M8.1	ACAGTGA
ASCRP002	hsa_circRNA_10	-3.53103					AAAGTATGGACACAGCACTTGCTCTGAAATTTGGGGAC
679	2360	49	Down	Exonic	chr18	SMAD2	TGAGTACA
ASCRP001	hsa_circRNA_10	-2.15068					CCACATTCCTGCGGCTTTTTATAACTATGATGCCAGAGG
097	0723	94	Down	Exonic	chr10	DOCK1	AGCGGAT
ASCRP000	hsa_circRNA_00	-2.56476					TTACATTGTAGCAGCTGGTCTTGAAGGTGGGGACCAC
276	1445	21	Down	Intronic	chr8	XKR6	GGGACACT
ASCRP004	hsa_circRNA_10	-2.72645					TTGAGCTCCGGAAAGTTGATGTGCACTGGGAACTACAC
470	4197	04	Down	Exonic	chr6	MAP3K5	CTTTGTTC
ASCRP004	hsa_circRNA_10	-2.63589					ATTTAAAAAGAATATCGATAACTTGATGACCCCAGAAG
902	4649	92	Down	Exonic	chr8	KIAA1429	GAGTTGGC

ASCRP001	hsa_circRNA_10	-2.43243					TCGTTAGAAGGAAGCTGAATATGGTGGGCATGATCAGA
467	1099	68	Down	Exonic	chr12	CPSF6	TAGATTTG
ASCRP001	hsa_circRNA_10	-2.12423					GAATGATCGGAGCCTTGCTTCCTGTTTTACATCACAAAT
609	1246	19	Down	Exonic	chr13	PDS5B	CTAAAAA
ASCRP002	hsa_circRNA_10	-2.57212					AAGTTTGCCCAGGTATGTGATAGTGGAATGTGAAGATC
673	2354	85	Down	Exonic	chr18	PIK3C3	AAGATACT
ASCRP002	hsa_circRNA_10	-2.19579					CCCTTCTAGGGCGCCCGCTCCGGCCGGCACCATGGACA
884	2571	12	Down	Exonic	chr19	PPP1R13L	GCGAGGCA
ASCRP004	hsa_circRNA_10	-2.19672					GGGAGTATAATGTTGTGTTGATCACAGCCGAGTTAAAT
673	4417	11	Down	Exonic	chr7	PTPN12	TGACATTA
ASCRP000	hsa_circRNA_10	-2.50764					CATCAAGCAGCTGGTGGCCATGACTGGCTTTCGTGGAT
434	0044	69	Down	Exonic	chr1	PIK3CD	GTGTATGT
ASCRP002	hsa_circRNA_10	-2.01314					CAGCCAAATACACCCTTAGAGATTTGTTTGATTCCATGG
605	2286	78	Down	Exonic	chr18	USP14	ATAAAAC
ASCRP000	hsa_circRNA_10	-2.34930					TCATAGTCCCTATGAATCTACTACTGGCAATCCTTTGGT
721	0336	83	Down	Exonic	chr1	POGZ	CCAGCAA
ASCRP003	hsa_circRNA_10	-8.03163	Down	Exonic	chr20	TMEM189-UBE	ATCACCACAGGCAAGCGCCTCCAGGAGTGGTGCTCTGT

386	3082	15				2V1	GATCCTGT
ASCRP001	hsa_circRNA_10	-3.15471					TTCCGCTGGGGGTGTGCTGGACCGGTTTTCTCAAATTCA
568	1205	53	Down	Exonic	chr12	AACS	GCCAAAG
ASCRP000	hsa_circRNA_00	-2.02606					TTGCAGCTGGGTGGTGTGCACACATGCGCATCTGTGGG
025	0230	9	Down	Intronic	chr17	KAT2A	ATTTTTCA
ASCRP003	hsa_circRNA_10	-2.06331					ATTAGCATGGGATCCAACGACAGTGATTTTACAACGAG
787	3489	12	Down	Exonic	chr3	RNF13	ATGCTGCT
ASCRP003	hsa_circRNA_10	-2.20174					CCGAATCTGCAAAAGAAGCTAAGTGTTAGGCGGAAAAA
304	2998	06	Down	Exonic	chr20	SNX5	TACTAAAG
ASCRP004	hsa_circRNA_10	-2.19961					AGGCTGTAAATGGAACATTTTAGTGGACAAACCAAATG
744	4490	56	Down	Exonic	chr7	MKLN1	ACCAATCT
ASCRP003	hsa_circRNA_10	-2.65315					CGGCCAGGAGACCACGTTGATGAGCGAACAATATGCAA
954	3660	53	Down	Exonic	chr4	MTHFD2L	TGGAATTG
ASCRP005	hsa_circRNA_10	-3.72188					ATTATTGCCAGAGCAGATGAAACTGGATGATAACATC
208	4961	95	Down	Exonic	chr9	CAMSAP1	CCTGAGGA
ASCRP004	hsa_circRNA_10	-22.9452					AGGGTACTGCGTATCTACATGAAAATGGGATTGTCCAT
202	3922	21	Down	Exonic	chr5	CAMK4	CGTGATCT

ASCRP003	hsa_circRNA_10	-2.45802					GAAGAAGAAGGTAACGGCGACTGTGACTGTGGTGAATG
146	2838	27	Down	Exonic	chr2	ITGB6	TGTGTGCA
ASCRP001	hsa_circRNA_10	-2.40727					GGGTCCTGAAAGATTAACCAAAGTGCTGATAATTTGCA
574	1211	23	Down	Exonic	chr12	GLT1D1	CATATTTTC
ASCRP002	hsa_circRNA_10	-3.95774					ACAGATAGTAGGACTTCCTGATCCATTTGCTAAGGTGGT
503	2171	98	Down	Exonic	chr17	SMURF2	GGTTGAT
ASCRP003	hsa_circRNA_10	-6.51550					CATCGAGTTCTGGGAAAAGCAAGGAGATGGCCACCAAG
596	3298	41	Down	Exonic	chr3	SLC6A6	GAGAAGCT
ASCRP001	hsa_circRNA_10	-3.29868					TTTTCCAATCCTCAGGTCGATCCAGTGTTTACAAGGGAA
575	1212	35	Down	Exonic	chr12	GLT1D1	GTGAAAG
ASCRP001	hsa_circRNA_10	-2.28410					CATTAGCTATCAACAGCCTTGCTTCCTGTTTTACATCAC
610	1247	7	Down	Exonic	chr13	PDS5B	AAATCTA
ASCRP002	hsa_circRNA_10	-4.80794					TCAAAAACCTGGCTTTGGACGTGGACCGGATGGTTCTTT
925	2612	28	Down	Exonic	chr2	ASAP2	ACAAAAT
ASCRP000	hsa_circRNA_10	-2.32501					CATATCCCAGTATTTGATTTTCATCAAGCAGCTGATGGT
888	0506	13	Down	Exonic	chr1	ADSS	ATCCAGG
ASCRP002	hsa_circRNA_10	-2.43243	Down	Exonic	chr18	PPP4R1	TTAATTTGATCAGTGATCCTTCACGTTGGCCCTGGACTT

616	2297	28					TGTCTCA
ASCRP001	hsa_circRNA_10	-3.02712					TCCTCTATAGGACATTTCTGATTTATTTGCATCCTTGAA
364	0993	49	Down	Exonic	chr11	ZBTB44	GAGCATC
ASCRP001	hsa_circRNA_10	-2.39264					TCGAAATCAGGTGAAGGTCTCCCACAGGTGTATTACTTT
906	1555	45	Down	Exonic	chr15	CSNK1G1	GGACCAT
ASCRP003	hsa_circRNA_10	-21.0551					ATAGCAGATATGGAAGGTGCACTGTGGTTTGTCTGGA
016	2704	66	Down	Exonic	chr2	EML4	TGCAGAAA
ASCRP001	hsa_circRNA_10	-2.01938					GACCCCAAAGTGCCGGATGGAGTGCTGTGATGTGCCAG
255	0882	18	Down	Exonic	chr11	STARD10	CCGAGACA
ASCRP001	hsa_circRNA_10	-20.1361					TGTCACACCTCAGTTACCTCAGGGAAAGAGGCTCTGTC
359	0988	37	Down	Exonic	chr11	FLI1	GGTGGTGA
ASCRP003	hsa_circRNA_10	-2.92638					TCATCACAATGGTCTGGATGATGCAGACAGACATGCTG
018	2706	12	Down	Exonic	chr2	MTA3	AACTATCT
ASCRP001	hsa_circRNA_10	-2.15318					GCCAAACTTTAGTTATCGCTGTGATGATTTTGTGGTTAA
899	1548	54	Down	Exonic	chr15	USP3	TGACACC
ASCRP004	hsa_circRNA_10	-2.33503					AAAGCAAAAGGACTTAAAGAGAGATCTACTTCAGAGCC
886	4633	46	Down	Exonic	chr8	ASPH	AGCAGTCC

ASCRP000	hsa_circRNA_10	-33.4736					CAATGCTCAAGTGGTGGTATCATGGATACAGAAATGTC
549	0160	54	Down	Exonic	chr1	ZMYM4	TGAAGATA
ASCRP002	hsa_circRNA_10	-2.24845					GAAACTGTTATGATTGCTCATTTAGAAAGTGGATGTGTG
053	1706	04	Down	Exonic	chr16	ZC3H7A	GGATAAC
ASCRP005	hsa_circRNA_10	-2.23195					GCTGAATGAAATCTTCCTCAGAAGAATAGGCTTGTTGTT
257	5010	52	Down	Exonic	chrX	XIST	TTACAGT
ASCRP003	hsa_circRNA_10	-6.06288					TCCAACCTCAAGTGCTATACTTGGTAGATCAGAAACTCA
139	2830	98	Down	Exonic	chr2	ACVR2A	GGAGTGTC
ASCRP001	hsa_circRNA_10	-2.07157					ACACACAAAGCAGGCTCTAAGCAGAATAAATTCCCTGA
036	0662	54	Down	Exonic	chr10	FAM178A	AAAAAGAA
ASCRP003	hsa_circRNA_10	-4.02441					TTAGCCTTGAAGCCTTATTTAGTGTCTCTGACAAAACCG
221	2913	98	Down	Exonic	chr2	ATIC	GCCTTGT
ASCRP000	hsa_circRNA_10	-2.10110					TTACTATAAACTTTAAAGAACACTACTGAGCCTGTGG
452	0062	55	Down	Exonic	chr1	PRDM2	CGGCCACC
ASCRP003	hsa_circRNA_10	-3.04265					TAGTTGCTGCAGACATGAAGCCATTATTATATCAGGAA
953	3659	78	Down	Exonic	chr4	MTHFD2L	CCGAAATG
ASCRP003	hsa_circRNA_10	-3.48939	Down	Exonic	chr3	ZBTB20	GTACACACAGGTGACATCAGTTGCAAGGGGATGACCGA

731	3433	43					GCGCATTC
ASCRP004	hsa_circRNA_10	-2.23278					TACCTGTTTGACCAGGTATGAAGTCTTACAGTTCTGTTG
683	4427	59	Down	Exonic	chr7	LMTK2	GCTGTCA
ASCRP001	hsa_circRNA_10	-3.20002					GATGATACAGATTGACGTGAGTGAATTCAGATATAACT
337	0965	01	Down	Exonic	chr11	DDX6	CAAGCTTG
ASCRP005	hsa_circRNA_10	-2.54192					AAACAAGTGAAACAAACAAAGGTGATGCACTTGCCAAC
281	5034	38	Down	Exonic	chrX	AFF2	CGAGTCCA
ASCRP004	hsa_circRNA_10	-6.51550					GAGCCACACAGGAGATCCTAAGAAAAAGCTTATATGTT
022	3731	41	Down	Exonic	chr4	PRDM5	CAGTGTGC
ASCRP003	hsa_circRNA_10	-2.21724					GGCAATCAAGGGGTGGCACTGAATCAACAAGACAAGC
947	3653	77	Down	Exonic	chr4	ANKRD17	AACTCAATT
ASCRP003	hsa_circRNA_10	-5.74394					GTGGGATGAGAAATTATACCATTTTATGGAATGTCAAC
814	3516	69	Down	Exonic	chr3	FNDC3B	CTACATCA
ASCRP002	hsa_circRNA_10	-2.08478					CAGCCTTGAAAAGCTGAAACCTATCAACACTCTTCAAA
631	2312	98	Down	Exonic	chr18	FAM210A	ATGCAATG
ASCRP003	hsa_circRNA_10	-2.31548					GGAGCAACAGCTCAGAATTCTGCAAATGCAGATTTTGC
242	2935	31	Down	Exonic	chr2	AGFG1	AAACTTTG

ASCRP002	hsa_circRNA_10	-6.43918					CTATCAGTAAAATCAATGGCATTGAGGCTCAAGAATG
675	2356	05	Down	Exonic	chr18	PSTPIP2	TGAACGAA
ASCRP001	hsa_circRNA_10	-2.35781					AGAAAATGAAGAATCCTAATGTACCTGGCTAGCTGGTG
431	1063	35	Down	Exonic	chr12	CSRNP2	GTGAGTAG
ASCRP002	hsa_circRNA_10	-2.57883					TATCCAAGTGGCAATAGTCTGATCTGAAATGTGTCCAG
638	2319	2	Down	Exonic	chr18	MIB1	GATGCCAA
ASCRP005	hsa_circRNA_10	-2.17336					TGAAAGTTCTTCCAGGTGATGGTGAGGTAGTAGAACAG
260	5013	2	Down	Exonic	chrX	BRWD3	GTAATTGG
ASCRP000	hsa_circRNA_10	-4.06212					AAGGAAAACAAGTGTCTGCTTATGTCGGGCAAGAATAT
683	0296	57	Down	Exonic	chr1	CD53	CACGGCAT
ASCRP005	hsa_circRNA_10	-3.65865					TCTGAAGACTGTGGTCATTGTGCTTGGTGGACGTCTGAT
111	4864	15	Down	Exonic	chr9	LPAR1	TTATGAA
ASCRP002	hsa_circRNA_10	-2.49615					ATTAAACAAGGTGCATTGGATCGTTGTGTGATGGGGAT
693	2374	58	Down	Exonic	chr18	WDR7	AACAGCAG
ASCRP001	hsa_circRNA_10	-2.13041					CCGTGGGTGGTTTCTGGTGAGTTATTCTCCCCACCTCAG
508	1142	33	Down	Exonic	chr12	ANAPC7	AAGTACC
ASCRP004	hsa_circRNA_10	-2.88168	Down	Exonic	chr6	TIAM2	AAACTAGACGTCAGGGCTCTGTGTATGAATGACAAGGA

510	4238	48					TACCTTCA
ASCRP003	hsa_circRNA_10	-2.11699					GGCCACGCAGGTGTGGAAATTAAGAAGACACACATATT
823	3525	4	Down	Exonic	chr3	KLHL24	TTGACTGG
ASCRP003	hsa_circRNA_10	-3.33590					AAAGTGCAGTTCCCTCCGGTGTGTTTCGAGGGCGAGCTC
344	3038	02	Down	Exonic	chr20	EIF6	TCCGATAC
ASCRP003	hsa_circRNA_10	-2.32471					TGATCCTAAGGCTGCAGATCAAATTACGAAGCTGTATA
710	3412	84	Down	Exonic	chr3	SUCLG2	ATCTCTTC
ASCRP004	hsa_circRNA_10	-4.33596					CCACAATGACCAGTCACAATGGTTACAGATAAATTTGC
188	3908	32	Down	Exonic	chr5	EDIL3	AAAGGAAA
ASCRP005	hsa_circRNA_40	-4.82244					AGTTCCTCCAAAGTAAGTCTGTGGTTTAAATTCTGTCATTG
374	0080	95	Down	Intronic	chr4	LARP7	GCTTAAC
ASCRP000	hsa_circRNA_00	-2.38208		antisens			TTTGCTGTTAGGTACCTGCTGGCGCTCATCACTCAGGTG
350	1914	09	Down	e	chr19	AKAP8L	GTGGGAT
ASCRP005	hsa_circRNA_40	-4.29227					GCTCTTCCCCGAAGGGAGGCCTCCTGATGCGGGACAGC
388	0095	48	Down	Intronic	chr9	ZNF618	TCAGGTGT
ASCRP002	hsa_circRNA_10	-8.94522					TCTGCATCACAAGCGTGTCCGGAGCGGTGACTGGAAGG
828	2514	13	Down	Exonic	chr19	GPI	GGTACACA

ASCRP002	hsa_circRNA_10	-2.49388					ATCAAAGTATGGACACAGGTTGATACAAGAGGCTGTT
680	2361	69	Down	Exonic	chr18	SMAD2	TTCCTAGC
ASCRP000	hsa_circRNA_10	-2.49250					TCAGCATGTTCTATTCTGCTCTCTTTGCTGAACTCGGTT
758	0373	49	Down	Exonic	chr1	ATF6	ATTTCA
ASCRP003	hsa_circRNA_10	-8.54522					ATTGGTGCAGTATAAAGGTGCACATGTAAAGCCAGGAT
029	2717	13	Down	Exonic	chr2	FBXO11	TTGCTGAA
ASCRP000	hsa_circRNA_00	-4.13097					TCACTGATGCTGCCTGTGCAGAATGAGGACTTGAGGCC
200	1097	52	Down	Intronic	chr19	AP1M1	AGTGAGGA
ASCRP001	hsa_circRNA_10	-2.26562					GGAGCTGAGGGTGTGTGGTTGTGTTGTTCAATCCCCGG
842	1491	92	Down	Exonic	chr15	MAPKBP1	AAACACAA
ASCRP004	hsa_circRNA_10	-3.31297					TGGACAAGTGGCAAGCTAATGAAGAATATCAAATACTG
810	4557	27	Down	Exonic	chr8	TUSC3	GCGAACTC
ASCRP003	hsa_circRNA_10	-2.74934					AGTGGGATGAGGTTTCTAATATTCAGGCAAGAGCAGTT
815	3517	8	Down	Exonic	chr3	FNDC3B	GTGTTGTC
ASCRP002	hsa_circRNA_10	-8.18234					CTCTTTTCTTCCAGTTCCCTACTGAAGGAACAGATGCTA
219	1877	87	Down	Exonic	chr16	RFWD3	AGGAAAC
ASCRP005	hsa_circRNA_10	-2.31653	Down	Exonic	chr9	C9orf102	ATAATTGGAGAAACACCAAAGGAATCCGCAGATGGC

082	4834	95					GTTCAGGAA
ASCRP000	hsa_circRNA_00	-2.21351					GTACTGGCAATGGTGAAAATAGTCAAGATGAATGTAGT
146	0891	17	Down	Intronic	chr18	VAPA	GCTGGTTT
ASCRP000	hsa_circRNA_00	-2.03394					GGGTAGGGAGGTGAGGGCCTGGTGTGGGGTTTCCCAAG
027	0274	47	Down	Intronic	chr19	ATP13A1	GAGAGCGC
ASCRP001	hsa_circRNA_10	-2.96268					ATATCTACAATCTCGGTACTACAGGTATGGCCTCACAA
156	0782	85	Down	Exonic	chr11	HIPK3	GTCTTGGT
ASCRP002	hsa_circRNA_10	-8.74522					ACTACGCTGCCAAAGGCTGCTGGGAAGCGCAGGATGAG
033	1686	13	Down	Exonic	chr16	CCNF	GAGAAGCA
ASCRP002	hsa_circRNA_10						AGCAGTACAGAGGAGGTGGCCAAGTTGGAGAAGCACTT
296	1956	-3.32497	Down	Exonic	chr17	ANKFY1	GATGCTTC

circRNA, circular RNA.