

Appendix F KEGG significant analysis of hgDEciRs.

pathway_id	pathway_name	transcript_id	symbol	log2(fold_change)	pvalue
ko00051	Fructose and mannose metabolism	circRNA1028	WVOX	-1.04E+00	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA1587	HK1	Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA1853	ADD1	Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA2918	MTMR1	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA2919	MTMR1	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA6242	LOC102181740	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA6680	HK1	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA7516	GXYLT1	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA7517	GXYLT1	-Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA753	MTMR2	Inf	7.74E-04
ko00051	Fructose and mannose metabolism	circRNA7601	GLT8D2	-Inf	7.74E-04
ko04144	Endocytosis	ciRNA294	PARD3B	-Inf	2.07E-03
ko04144	Endocytosis	ciRNA57	NUP210	Inf	2.07E-03
ko04144	Endocytosis	ciRNA78	ARAP2	Inf	2.07E-03
ko04144	Endocytosis	ciRNA90	RAB5B	Inf	2.07E-03
ko04144	Endocytosis	circRNA1164	PSD3	3.94E+00	2.07E-03
ko04144	Endocytosis	circRNA1235	NEDD4L	Inf	2.07E-03
ko04144	Endocytosis	circRNA1300	PDCD6IP	Inf	2.07E-03
ko04144	Endocytosis	circRNA1455	DAB2	-1.19E+00	2.07E-03
ko04144	Endocytosis	circRNA150	ITCH	Inf	2.07E-03
ko04144	Endocytosis	circRNA152	ITCH	Inf	2.07E-03
ko04144	Endocytosis	circRNA1645	EPS15L1	Inf	2.07E-03
ko04144	Endocytosis	circRNA1694	FAM13B	Inf	2.07E-03
ko04144	Endocytosis	circRNA1697	FAM13B	Inf	2.07E-03
ko04144	Endocytosis	circRNA170	ARFGEF2	-1.59E+00	2.07E-03
ko04144	Endocytosis	circRNA1814	KDR	Inf	2.07E-03
ko04144	Endocytosis	circRNA1823	RUFY3	Inf	2.07E-03
ko04144	Endocytosis	circRNA1838	WDFY3	Inf	2.07E-03
ko04144	Endocytosis	circRNA1896	MDM2	Inf	2.07E-03
ko04144	Endocytosis	circRNA1929	DNM1L	Inf	2.07E-03
ko04144	Endocytosis	circRNA212	LOC100860837	2.63E+00	2.07E-03
ko04144	Endocytosis	circRNA2140	VPS45	Inf	2.07E-03
ko04144	Endocytosis	circRNA2190	LOC102185138	Inf	2.07E-03
ko04144	Endocytosis	circRNA2219	HOOK1	Inf	2.07E-03
ko04144	Endocytosis	circRNA2235	ZCCHC11	1.47E+00	2.07E-03
ko04144	Endocytosis	circRNA2236	ZCCHC11	1.23E+00	2.07E-03
ko04144	Endocytosis	circRNA2237	ZFYVE9	Inf	2.07E-03
ko04144	Endocytosis	circRNA2356	ARHGAP15	Inf	2.07E-03
ko04144	Endocytosis	circRNA2390	PARD3B	Inf	2.07E-03
ko04144	Endocytosis	circRNA2494	ARHGAP31	1.87E+00	2.07E-03
ko04144	Endocytosis	circRNA2599	MX1	Inf	2.07E-03

ko04144	Endocytosis	circRNA3083	PARD3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3088	PARD3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3090	PARD3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3350	VPS36	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3383	LOC100860837	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3742	DNAJC27	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3809	ASAP2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3813	ASAP2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3832	MVB12B	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3833	MVB12B	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3942	SMAD6	-Inf	2.07E-03
ko04144	Endocytosis	circRNA3943	SMAD3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA4081	NEDD4	-Inf	2.07E-03
ko04144	Endocytosis	circRNA4146	SYNE2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA4147	SYNE2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA4779	FCHSD2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA523	SYNE2	Inf	2.07E-03
ko04144	Endocytosis	circRNA524	SYNE2	3.00E+00	2.07E-03
ko04144	Endocytosis	circRNA5262	SMURF2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA5263	SMURF2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA527	ZFYVE26	Inf	2.07E-03
ko04144	Endocytosis	circRNA562	ARHGAP10	Inf	2.07E-03
ko04144	Endocytosis	circRNA563	ARHGAP10	Inf	2.07E-03
ko04144	Endocytosis	circRNA5646	HOOK3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA566	ARHGAP10	Inf	2.07E-03
ko04144	Endocytosis	circRNA5763	RAB31	-Inf	2.07E-03
ko04144	Endocytosis	circRNA5829	VPS4B	-Inf	2.07E-03
ko04144	Endocytosis	circRNA5984	PDCD6IP	-Inf	2.07E-03
ko04144	Endocytosis	circRNA5986	LRRFIP2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA6478	SH3GL3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA6518	SCFD1	-Inf	2.07E-03
ko04144	Endocytosis	circRNA6772	TSG101	-Inf	2.07E-03
ko04144	Endocytosis	circRNA6867	DNM2	-Inf	2.07E-03
ko04144	Endocytosis	circRNA6871	LDLR	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7461	EEA1	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7462	EEA1	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7624	DNM1L	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7625	DNM1L	-Inf	2.07E-03
ko04144	Endocytosis	circRNA77	REPS2	Inf	2.07E-03
ko04144	Endocytosis	circRNA7749	ARFGAP3	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7903	MET	-Inf	2.07E-03
ko04144	Endocytosis	circRNA7904	MET	-Inf	2.07E-03
ko04144	Endocytosis	circRNA8114	NUP210L	-Inf	2.07E-03
ko04144	Endocytosis	circRNA815	SMAP1	1.15E+00	2.07E-03

ko04144	Endocytosis	circRNA8306	SGIP1	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8366	LRP8	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8389	EPS15	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8390	EPS15	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8391	EPS15	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8606	STAM2	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8705	PIKFYVE	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA8956	WDR52	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA9026	ACAP2	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA904	WWP1	Inf	2.07E-03	
ko04144	Endocytosis	circRNA905	WWP1	Inf	2.07E-03	
ko04144	Endocytosis	circRNA9082	PRKCI	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA926	CLTC	Inf	2.07E-03	
ko04144	Endocytosis	circRNA942	AP2B1	Inf	2.07E-03	
ko04144	Endocytosis	circRNA965	RABEP1	Inf	2.07E-03	
ko04144	Endocytosis	circRNA967	RABEP1	Inf	2.07E-03	
ko04144	Endocytosis	circRNA9688	PIP5K1B	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA9689	PIP5K1B	-Inf	2.07E-03	
ko04144	Endocytosis	circRNA969	RABEP1	Inf	2.07E-03	
ko04140	Regulation of autophagy	circRNA1175	PIK3C3	Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA1451	PRKAA1	1.62E+00	9.78E-03	
ko04140	Regulation of autophagy	circRNA2214	ATG4C	Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA2616	LOC102177934	Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA2661	ATG5	Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA5186	ULK2	-Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA5187	ULK2	-Inf	9.78E-03	
ko04140	Regulation of autophagy	circRNA6125	ATG7	-Inf	9.78E-03	
ko04115	p53 signaling pathway	circRNA1896	MDM2	Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA1906	APAF1	Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA2413	SERPINE2	1.01E+00	4.09E-02	
ko04115	p53 signaling pathway	circRNA2562	ATR	Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4383	CHEK2	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4521	CASP9	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4540	RFWD2	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4543	RFWD2	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4661	SESN3	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA4663	SESN3	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA5214	IGFBP4	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA5447	PTEN	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA621	CHEK2	Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA706	RFWD2	Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA7578	APAF1	-Inf	4.09E-02	
ko04115	p53 signaling pathway	circRNA9163	XRN1	-Inf	4.09E-02	
ko04150	mTOR signaling pathway	ciRNA46	RPTOR	Inf	6.03E-02	

ko04150	mTOR signaling pathway	circRNA1451	PRKAA1	1.62E+00	6.03E-02
ko04150	mTOR signaling pathway	circRNA1769	EIF4E	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA2102	BRAF	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA2103	BRAF	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA2535	PIK3CA	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA26	RPS6KA6	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA2793	UNC13B	-1.47E+00	6.03E-02
ko04150	mTOR signaling pathway	circRNA3335	CAB39L	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA4139	LOC100861391	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA4450	AKT3	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA4590	RPS6KC1	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA5186	ULK2	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA5187	ULK2	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA626	MAPK1	4.87E+00	6.03E-02
ko04150	mTOR signaling pathway	circRNA6367	RICTOR	-Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA660	AKT3	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA729	RPS6KC1	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA74	RPS6KA3	Inf	6.03E-02
ko04150	mTOR signaling pathway	circRNA929	S6K1	Inf	6.03E-02
ko04340	Hedgehog signaling pathway	circRNA1346	RAB23	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2069	GLI3	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2329	LRP2	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2330	LRP2	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2331	LRP2	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2404	STK36	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA2828	PTCH1	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA4718	SORL1	-Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA5491	BTRC	-Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA6258	FBXW11	-Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA6937	CSNK1G3	-Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA766	SORL1	Inf	6.74E-02
ko04340	Hedgehog signaling pathway	circRNA8269	PRKACB	-Inf	6.74E-02
ko00983	Drug metabolism - other enzymes	circRNA3108	PRTFDC1	-Inf	6.85E-02
ko00983	Drug metabolism - other enzymes	circRNA6213	TPMT	-Inf	6.85E-02
ko00983	Drug metabolism - other enzymes	circRNA8201	DPYD	-Inf	6.85E-02
ko00983	Drug metabolism - other enzymes	circRNA8202	DPYD	-Inf	6.85E-02
ko00740	Riboflavin metabolism	circRNA2690	ENPP1	Inf	6.85E-02
ko00740	Riboflavin metabolism	circRNA2918	MTMR1	-Inf	6.85E-02
ko00740	Riboflavin metabolism	circRNA2919	MTMR1	-Inf	6.85E-02
ko00740	Riboflavin metabolism	circRNA753	MTMR2	Inf	6.85E-02
ko00790	Folate biosynthesis	circRNA2377	ANKRD44	Inf	6.85E-02
ko00790	Folate biosynthesis	circRNA399	FPGS	Inf	6.85E-02
ko00790	Folate biosynthesis	circRNA839	GGH	Inf	6.85E-02
ko05016	Huntington's disease	circRNA1158	VDAC3	Inf	7.98E-02

ko05016	Huntington's disease	circRNA1159	VDAC3	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA1308	ITPR1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA1549	RCOR1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA1584	SLC25A16	1.15E+00		7.98E-02
ko05016	Huntington's disease	circRNA1906	APAF1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2088	NRF1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2164	LOC102191575	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2235	ZCCHC11	1.47E+00		7.98E-02
ko05016	Huntington's disease	circRNA2236	ZCCHC11	1.23E+00		7.98E-02
ko05016	Huntington's disease	circRNA2289	SAP130	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2392	CREB1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2483	IFT57	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2635	SNAP91	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2636	SNAP91	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA2740	TBP	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA3043	PLCB4	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA4390	EIF4ENIF1	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA4521	CASP9	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA537	CEP128	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA539	CEP128	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA5892	UQCRC2	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA5992	GOLGA4	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA6020	ITPR1	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA609	RASAL1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA6509	SIN3A	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA6703	VDAC2	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA7417	HTT	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA7578	APAF1	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA79	OFD1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA7939	CREB5	-Inf	7.98E-02	
ko05016	Huntington's disease	circRNA80	OFD1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA81	OFD1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA82	PLCB1	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA83	PLCB4	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA8395	LOC102176290	-Inf		7.98E-02
ko05016	Huntington's disease	circRNA926	CLTC	Inf	7.98E-02	
ko05016	Huntington's disease	circRNA942	AP2B1	Inf	7.98E-02	
ko00290	"Valine, leucine and isoleucine biosynthesis"	circRNA1949	BCAT1	Inf		9.43E-02
ko00290	"Valine, leucine and isoleucine biosynthesis"	circRNA1950	BCAT1	Inf		9.43E-02
ko00290	"Valine, leucine and isoleucine biosynthesis"	circRNA1951	BCAT1	Inf		9.43E-02
ko00290	"Valine, leucine and isoleucine biosynthesis"	circRNA2832	IARS	Inf		

9.43E-02

ko00290 "Valine, leucine and isoleucine biosynthesis" circRNA634 IARS2
3.84E+00 9.43E-02

ko00290 "Valine, leucine and isoleucine biosynthesis" circRNA7005 LARS -Inf
9.43E-02

ko05012 Parkinson's disease circRNA1158 VDAC3 Inf 1.05E-01

ko05012 Parkinson's disease circRNA1159 VDAC3 Inf 1.05E-01

ko05012 Parkinson's disease circRNA1584 SLC25A16 1.15E+00 1.05E-01

ko05012 Parkinson's disease circRNA1887 LRRK2 Inf 1.05E-01

ko05012 Parkinson's disease circRNA1906 APAF1 Inf 1.05E-01

ko05012 Parkinson's disease circRNA2164 LOC102191575 Inf 1.05E-01

ko05012 Parkinson's disease circRNA4521 CASP9 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA5892 UQCRC2 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA6703 VDAC2 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA7522 LRRK2 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA7578 APAF1 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA8395 LOC102176290 -Inf 1.05E-01

ko05012 Parkinson's disease circRNA9410 UBE2J1 -Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA1400 PANK3 Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA1949 BCAT1 Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA1950 BCAT1 Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA1951 BCAT1 Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA2690 ENPP1 Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA4513 PANK4 -Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA8201 DPYD -Inf 1.05E-01

ko00770 Pantothenate and CoA biosynthesis circRNA8202 DPYD -Inf 1.05E-01

ko04146 Peroxisome circRNA1106 ACSL5 -1.21E+00 1.08E-01

ko04146 Peroxisome circRNA1502 IDH2 1.06E+00 1.08E-01

ko04146 Peroxisome circRNA1740 NUDT12 Inf 1.08E-01

ko04146 Peroxisome circRNA2025 CROT 2.39E+00 1.08E-01

ko04146 Peroxisome circRNA2226 LOC102182369 Inf 1.08E-01

ko04146 Peroxisome circRNA2227 LOC102182369 2.10E+00 1.08E-01

ko04146 Peroxisome circRNA2228 LOC102182369 1.05E+00 1.08E-01

ko04146 Peroxisome circRNA2229 LOC102182369 1.35E+00 1.08E-01

ko04146 Peroxisome circRNA2317 AGPS Inf 1.08E-01

ko04146 Peroxisome circRNA2406 ACSL3 Inf 1.08E-01

ko04146 Peroxisome circRNA2407 ACSL3 1.17E+00 1.08E-01

ko04146 Peroxisome circRNA2408 ACSL3 Inf 1.08E-01

ko04146 Peroxisome circRNA2409 ACSL3 -3.47E+00 1.08E-01

ko04146 Peroxisome circRNA4 ACSL4 Inf 1.08E-01

ko04146 Peroxisome circRNA5 ACSL4 Inf 1.08E-01

ko04146 Peroxisome circRNA6944 HSD17B4 -Inf 1.08E-01

ko04146 Peroxisome circRNA8524 AGPS -Inf 1.08E-01

ko04146 Peroxisome circRNA8528 AGPS -Inf 1.08E-01

ko05410	Hypertrophic cardiomyopathy	circRNA1301	ITGA9	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA1451	PRKAA1	1.62E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA1939	CCDC91	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2019	ITGB8	1.00E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2106	PRKAG2	3.87E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2301	ITGAV	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2310	ITGA4	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2311	ITGA4	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2349	CACNB4	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2391	DYTN	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2606	TTC3	1.15E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2608	TTC3	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2682	LAMA2	1.30E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2683	LAMA2	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2684	LAMA2	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2685	LAMA2	1.83E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2686	LAMA2	2.01E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2687	LAMA2	2.94E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA2688	LAMA2	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2701	UTRN	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2703	UTRN	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA2706	UTRN	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA388	RABGAP1	3.99E+00		1.23E-01
ko05410	Hypertrophic cardiomyopathy	circRNA478	TPM1	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA479	TPM1	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA5686	DTNA	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA5993	ITGA9	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA6087	CACNA2D3	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA63	DMD	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA64	DMD	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA66	DMD	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA68	DMD	Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA6820	PPFIA1	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA6841	TPM4	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA8137	PRKAB2	-Inf	1.23E-01	
ko05410	Hypertrophic cardiomyopathy	circRNA9437	LAMA2	-Inf	1.23E-01	
ko03320	PPAR signaling pathway	circRNA1106	ACSL5	-1.21E+00		1.60E-01
ko03320	PPAR signaling pathway	circRNA2226	LOC102182369	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2227	LOC102182369	2.10E+00		1.60E-01
ko03320	PPAR signaling pathway	circRNA2228	LOC102182369	1.05E+00		1.60E-01
ko03320	PPAR signaling pathway	circRNA2229	LOC102182369	1.35E+00		1.60E-01
ko03320	PPAR signaling pathway	circRNA2398	ACADL	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2406	ACSL3	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2407	ACSL3	1.17E+00		1.60E-01

ko03320	PPAR signaling pathway	circRNA2408	ACSL3	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2409	ACSL3	-3.47E+00	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2563	GK5	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA2564	GK5	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA4	ACSL4	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA5	ACSL4	Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA5471	SORBS1	-Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA6817	CPT1A	-Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA6818	CPT1A	-Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA6819	CPT1A	-Inf	1.60E-01	
ko03320	PPAR signaling pathway	circRNA6923	SLC27A6	-Inf	1.60E-01	
ko05216	Thyroid cancer	circRNA1046	CDH1	Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA2102	BRAF	Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA2103	BRAF	Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA3069	ANKRD26	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA3669	PAX8	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA4146	SYNE2	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA4147	SYNE2	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA523	SYNE2	Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA524	SYNE2	3.00E+00	1.67E-01	
ko05216	Thyroid cancer	circRNA5386	CDH1	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA626	MAPK1	4.87E+00	1.67E-01	
ko05216	Thyroid cancer	circRNA6647	CCDC6	-Inf	1.67E-01	
ko05216	Thyroid cancer	circRNA6820	PPFIA1	-Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA1597	LOC102173716	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA1598	LOC102173716	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA1675	ALDH7A1	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA1676	ALDH7A1	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA2372	GLS	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA3004	MAOB	-Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA4361	NOS1	-Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA6906	P4HA2	-Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA797	P4HA3	Inf	1.67E-01	
ko00330	Arginine and proline metabolism	circRNA863	AZIN1	Inf	1.67E-01	
ko00061	Fatty acid biosynthesis	circRNA614	ACACB	1.58E+00	1.68E-01	
ko00061	Fatty acid biosynthesis	circRNA615	ACACB	1.17E+00	1.68E-01	
ko00061	Fatty acid biosynthesis	circRNA616	ACACB	Inf	1.68E-01	
ko00061	Fatty acid biosynthesis	circRNA938	ACACA	Inf	1.68E-01	
ko00471	D-Glutamine and D-glutamate metabolism	circRNA1597	LOC102173716	Inf	1.68E-01	
ko00471	D-Glutamine and D-glutamate metabolism	circRNA1598	LOC102173716	Inf	1.68E-01	
ko00471	D-Glutamine and D-glutamate metabolism	circRNA2372	GLS	Inf	1.68E-01	
ko00982	Drug metabolism - cytochrome P450	circRNA2379	LOC102187632	Inf		

1. 68E-01

ko00982	Drug metabolism - cytochrome P450	circRNA3004	MAOB	-Inf	1. 68E-01
ko00791	Atrazine degradation	circRNA1026	ADAT1	Inf	1. 68E-01
ko00791	Atrazine degradation	circRNA850	STAU2	Inf	1. 68E-01
ko00791	Atrazine degradation	circRNA852	STAU2	Inf	1. 68E-01
ko00910	Nitrogen metabolism	circRNA1597	LOC102173716	Inf	1. 68E-01
ko00910	Nitrogen metabolism	circRNA1598	LOC102173716	Inf	1. 68E-01
ko00910	Nitrogen metabolism	circRNA2372	GLS	Inf	1. 68E-01
ko04260	Cardiac muscle contraction	circRNA1939	CCDC91	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA2148	ATP1A1	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA2149	ATP1A1	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA2349	CACNB4	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA2606	TTC3	1. 15E+00	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA2608	TTC3	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA3525	SLC9A2	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA3526	SLC9A2	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA388	RABGAP1	3. 99E+00	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA478	TPM1	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA479	TPM1	Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA5892	UQCRC2	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA6087	CACNA2D3	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA6820	PPFIA1	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA6841	TPM4	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA8395	LOC102176290	-Inf	1. 77E-01
ko04260	Cardiac muscle contraction	circRNA9150	SLC9A9	-Inf	1. 77E-01
ko00350	Tyrosine metabolism	circRNA1856	ZDHHC17	Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA2379	LOC102187632	Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA2638	TRMT11	Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA2639	TRMT11	Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA3004	MAOB	-Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA6484	FAH	-Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA6768	ZDHHC13	-Inf	1. 82E-01
ko00350	Tyrosine metabolism	circRNA7438	ZDHHC17	-Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1022	HELZ	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1023	HELZ	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1024	HELZ	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA183	VWA8	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA184	VWA8	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1858	NAV3	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1859	NAV3	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1860	NAV3	Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA1986	TNRC6B	1. 71E+00	1. 82E-01
ko00730	Thiamine metabolism	circRNA2918	MTMR1	-Inf	1. 82E-01
ko00730	Thiamine metabolism	circRNA2919	MTMR1	-Inf	1. 82E-01

ko00730	Thiamine metabolism	circRNA3301	VWA8	-Inf	1.82E-01	
ko00730	Thiamine metabolism	circRNA3307	VWA8	-Inf	1.82E-01	
ko00730	Thiamine metabolism	circRNA5313	HELZ	-Inf	1.82E-01	
ko00730	Thiamine metabolism	circRNA7439	NAV3	-Inf	1.82E-01	
ko00730	Thiamine metabolism	circRNA753	MTMR2	Inf	1.82E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA10	CUL4B	-1.21E+00		1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA1049	WWP2	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1217	PIAS2	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1235	NEDD4L	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA150	ITCH	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA152	ITCH	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1582	HERC4	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1773	HERC5	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1775	HERC6	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA1896	MDM2	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA2280	HERC2	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA2419	TRIP12	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA2420	TRIP12	-1.04E+00		1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA276	BIRC6	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA296	STRN	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA297	STRN	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA2984	HUWE1	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA2986	HUWE1	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA3485	ANAPC1	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA3486	ANAPC1	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA3579	STRN	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4081	NEDD4	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4540	RFWD2	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4543	RFWD2	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4895	NSMAF	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4896	NSMAF	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA4952	UBE2W	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA5070	TRIM37	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA5262	SMURF2	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA5263	SMURF2	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA5491	BTRC	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA606	FBXW8	1.00E+00		1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA613	UBE3B	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA6258	FBXW11	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA6328	ERCC8	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA6717	WDFY4	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA6718	WDFY4	-Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA688	UBE4B	Inf	1.84E-01	
ko04120	Ubiquitin mediated proteolysis	circRNA6982	CDC23	-Inf	1.84E-01	

ko04120	Ubiquitin mediated proteolysis	circRNA706	RFWD2	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA7210	ANAPC4	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA7303	UBA6	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA7304	UBA6	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA761	UBE4A	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8073	UBE3C	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8077	UBE3C	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8079	UBE3C	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA834	NSMAF	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8470	HERC2	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA866	UBR5	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA869	UBR5	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8743	CUL3	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA8753	TRIP12	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA904	WWP1	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA905	WWP1	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA924	TRIM37	Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA9410	UBE2J1	-Inf	1.84E-01
ko04120	Ubiquitin mediated proteolysis	circRNA9785	UBE2R2	-Inf	1.84E-01
ko00052	Galactose metabolism	circRNA1587	HK1	Inf	1.88E-01
ko00052	Galactose metabolism	circRNA351	UGP2	-1.12E+00	1.88E-01
ko00052	Galactose metabolism	circRNA3993	GANC	-Inf	1.88E-01
ko00052	Galactose metabolism	circRNA3994	GANC	-Inf	1.88E-01
ko00052	Galactose metabolism	circRNA463	GANC	Inf	1.88E-01
ko00052	Galactose metabolism	circRNA501	GALK2	Inf	1.88E-01
ko00052	Galactose metabolism	circRNA502	GALK2	Inf	1.88E-01
ko00052	Galactose metabolism	circRNA6680	HK1	-Inf	1.88E-01
ko00052	Galactose metabolism	circRNA9681	PGM5	-Inf	1.88E-01
ko00120	Primary bile acid biosynthesis	circRNA1364	LOC102183469	Inf	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA1365	LOC102183469	Inf	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA2226	LOC102182369	Inf	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA2227	LOC102182369	2.10E+00	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA2228	LOC102182369	1.05E+00	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA2229	LOC102182369	1.35E+00	1.90E-01
ko00120	Primary bile acid biosynthesis	circRNA6944	HSD17B4	-Inf	1.90E-01
ko04964	Proximal tubule bicarbonate reclamation	circRNA1597	LOC102173716	Inf	1.90E-01
ko04964	Proximal tubule bicarbonate reclamation	circRNA1598	LOC102173716	Inf	1.90E-01
ko04964	Proximal tubule bicarbonate reclamation	circRNA2148	ATP1A1	Inf	1.90E-01
ko04964	Proximal tubule bicarbonate reclamation	circRNA2149	ATP1A1	Inf	1.90E-01

ko04964	Proximal tubule bicarbonate reclamation	circRNA2372	GLS	Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA2549	MME	Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA2551	MME	Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA6308	NLN	-Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA7087	LNPEP	-Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA9110	MME	-Inf	1.90E-01	
ko04614	Renin-angiotensin system	circRNA9113	MME	-Inf	1.90E-01	
ko05010	Alzheimer's disease	circRNA1308	ITPR1	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1765	PPP3CA	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1767	PPP3CA	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1906	APAF1	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1940	ITPR2	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1941	ITPR2	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1943	ITPR2	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA1944	ITPR2	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2357	LRP1B	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2358	LRP1B	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2359	LRP1B	2.10E+00	1.92E-01	
ko05010	Alzheimer's disease	circRNA2360	LRP1B	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2362	LRP1B	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2549	MME	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2551	MME	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA2597	BACE2	2.36E+00	1.92E-01	
ko05010	Alzheimer's disease	circRNA2801	PPP3CC	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA3043	PLCB4	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA4182	PSEN1	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA4521	CASP9	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA532	PSEN1	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA534	PSEN1	1.09E+00	1.92E-01	
ko05010	Alzheimer's disease	circRNA5892	UQCRC2	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA6020	ITPR1	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA626	MAPK1	4.87E+00	1.92E-01	
ko05010	Alzheimer's disease	circRNA7578	APAF1	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA7657	ITPR2	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA7658	ITPR2	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA7665	ITPR2	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA82	PLCB1	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA83	PLCB4	Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA8395	LOC102176290	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA8857	APP	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA8862	APP	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA9110	MME	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA9113	MME	-Inf	1.92E-01	
ko05010	Alzheimer's disease	circRNA9764	PPP3CC	-Inf	1.92E-01	

ko03410	Base excision repair	circRNA1327	SLMAP	Inf	1.92E-01
ko03410	Base excision repair	circRNA2750	IFT74	Inf	1.92E-01
ko03410	Base excision repair	circRNA8913	TOMM70A	-Inf	1.92E-01
ko03410	Base excision repair	circRNA9903	C8H9orf43	-Inf	1.92E-01
ko00511	Other glycan degradation	ciRNA47	ENGASE	Inf	1.92E-01
ko00511	Other glycan degradation	circRNA1137	AGA	-3.49E+00	1.92E-01
ko00511	Other glycan degradation	circRNA1764	MANBA	1.56E+00	1.92E-01
ko00511	Other glycan degradation	circRNA8795	FUCA1	-Inf	1.92E-01
ko04270	Vascular smooth muscle contraction	ciRNA94	ARHGEF11	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1245	ADCY9	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1308	ITPR1	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1327	SLMAP	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1499	AKAP13	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1592	KCNMA1	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1940	ITPR2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1941	ITPR2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1943	ITPR2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA1944	ITPR2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA2102	BRAF	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA2103	BRAF	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA2604	DOPEY2	1.37E+00	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA2750	IFT74	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA3043	PLCB4	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA311	PLEKHH2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA4138	PRKCH	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA4308	GUCY1B3	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5058	STXBP4	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5059	STXBP4	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5061	STXBP4	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5724	LOC102171022	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5725	LOC102171022	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5726	LOC102171022	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA5727	LOC102171022	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA586	GUCY1B3	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA6020	ITPR1	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA626	MAPK1	4.87E+00	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA642	TP53BP2	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA6440	MCTP2	-Inf	1.98E-01

ko04270	Vascular smooth muscle contraction	circRNA7657	ITPR2	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA7658	ITPR2	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA7665	ITPR2	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA7671	LOC102184978	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA82	PLCB1	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA8269	PRKACB	-Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA83	PLCB4	Inf	1.98E-01
ko04270	Vascular smooth muscle contraction	circRNA8686	TRAK2	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1083	CPEB3	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1084	CPEB3	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1085	CPEB3	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1104	SLK	-1.01E+00	1.98E-01
ko04114	Oocyte meiosis	circRNA1245	ADCY9	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1308	ITPR1	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1327	SLMAP	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1407	CPEB4	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1765	PPP3CA	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1767	PPP3CA	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1772	FAM13A	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1845	CC2D2A	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1940	ITPR2	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1941	ITPR2	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1943	ITPR2	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA1944	ITPR2	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA26	RPS6KA6	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA2801	PPP3CC	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA3485	ANAPC1	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA3486	ANAPC1	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA4590	RPS6KC1	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA4649	PGR	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA4651	PGR	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA5491	BTRC	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA5992	GOLGA4	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA6020	ITPR1	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA6258	FBXW11	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA626	MAPK1	4.87E+00	1.98E-01
ko04114	Oocyte meiosis	circRNA6265	CPEB4	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA6982	CDC23	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA7210	ANAPC4	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA729	RPS6KC1	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA74	RPS6KA3	Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA7400	CC2D2A	-Inf	1.98E-01
ko04114	Oocyte meiosis	circRNA7657	ITPR2	-Inf	1.98E-01

ko04114	Oocyte meiosis	circRNA7658	ITPR2	-Inf	1.98E-01	
ko04114	Oocyte meiosis	circRNA7665	ITPR2	-Inf	1.98E-01	
ko04114	Oocyte meiosis	circRNA8269	PRKACB	-Inf	1.98E-01	
ko04114	Oocyte meiosis	circRNA9764	PPP3CC	-Inf	1.98E-01	
ko05414	Dilated cardiomyopathy	circRNA1245	ADCY9	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA1301	ITGA9	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA1939	CCDC91	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2019	ITGB8	1.00E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2301	ITGAV	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2310	ITGA4	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2311	ITGA4	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2349	CACNB4	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2391	DYTN	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2606	TTC3	1.15E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2608	TTC3	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2682	LAMA2	1.30E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2683	LAMA2	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2684	LAMA2	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2685	LAMA2	1.83E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2686	LAMA2	2.01E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2687	LAMA2	2.94E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2688	LAMA2	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2701	UTRN	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2703	UTRN	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA2706	UTRN	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA388	RABGAP1	3.99E+00	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA478	TPM1	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA479	TPM1	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA5686	DTNA	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA5993	ITGA9	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA6087	CACNA2D3	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA63	DMD	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA64	DMD	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA66	DMD	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA68	DMD	Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA6820	PPFIA1	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA6841	TPM4	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA8269	PRKACB	-Inf	2.02E-01	
ko05414	Dilated cardiomyopathy	circRNA9437	LAMA2	-Inf	2.02E-01	
ko04914	Progesterone-mediated oocyte maturation	circRNA1083	CPEB3	Inf	2.13E-01	
ko04914	Progesterone-mediated oocyte maturation	circRNA1084	CPEB3	Inf	2.13E-01	
ko04914	Progesterone-mediated oocyte maturation	circRNA1085	CPEB3	Inf	2.13E-01	
ko04914	Progesterone-mediated oocyte maturation	circRNA1245	ADCY9	Inf	2.13E-01	
ko04914	Progesterone-mediated oocyte maturation	circRNA1286	MAD1L1	Inf	2.13E-01	

ko04914	Progesterone-mediated oocyte maturation	circRNA1407	CPEB4	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA1639	MAPK9	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA2102	BRAF	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA2103	BRAF	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA2535	PIK3CA	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA26	RPS6KA6	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA3485	ANAPC1	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA3486	ANAPC1	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA4450	AKT3	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA4590	RPS6KC1	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA4649	PGR	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA4651	PGR	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA626	MAPK1	4.87E+00	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA6265	CPEB4	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA660	AKT3	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA6823	MAPK9	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA6982	CDC23	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA7210	ANAPC4	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA729	RPS6KC1	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA74	RPS6KA3	Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA7854	GNAI1	-Inf	2.13E-01
ko04914	Progesterone-mediated oocyte maturation	circRNA8269	PRKACB	-Inf	2.13E-01
ko03420	Nucleotide excision repair	ciRNA111	RAD23B	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA10	CUL4B	-1.21E+00	2.27E-01
ko03420	Nucleotide excision repair	circRNA1327	SLMAP	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA1426	CDK7	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA1427	CDK7	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA1620	GTF2H1	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA2750	IFT74	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA3466	BIVM	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA3467	BIVM	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA3468	BIVM	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA4895	NSMAF	-Inf	2.27E-01

ko03420	Nucleotide excision repair	circRNA4896	NSMAF	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA595	GTF2H3	1.15E+00	2.27E-01
ko03420	Nucleotide excision repair	circRNA6328	ERCC8	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA6774	GTF2H1	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA6936	ZNF608	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA834	NSMAF	Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA8913	TOMM70A	-Inf	2.27E-01
ko03420	Nucleotide excision repair	circRNA9903	C8H9orf43	-Inf	2.27E-01
ko04610	Complement and coagulation cascades	circRNA1064	SPINT2	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA1644	CPAMD8	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA1655	C3	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA2413	SERPINE2	1.01E+00	2.35E-01
ko04610	Complement and coagulation cascades	circRNA2470	PROS1	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA2532	MCF2L2	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA2533	MCF2L2	Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA4468	F5	-Inf	2.35E-01
ko04610	Complement and coagulation cascades	circRNA630	CD55	Inf	2.35E-01
ko00640	Propanoate metabolism	circRNA1313	SUCLG2	2.86E+00	2.51E-01
ko00640	Propanoate metabolism	circRNA1315	SUCLG2	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA1675	ALDH7A1	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA1676	ALDH7A1	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA1861	ACSS3	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA1862	ACSS3	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA1863	ACSS3	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA2296	HIBCH	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA2297	HIBCH	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA614	ACACB	1.58E+00	2.51E-01
ko00640	Propanoate metabolism	circRNA615	ACACB	1.17E+00	2.51E-01
ko00640	Propanoate metabolism	circRNA616	ACACB	Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA9201	PCCB	-Inf	2.51E-01
ko00640	Propanoate metabolism	circRNA938	ACACA	Inf	2.51E-01
ko04350	TGF-beta signaling pathway	circRNA1327	SLMAP	Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA1596	BMPRI1A	Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA2235	ZCCHC11	1.47E+00	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA2236	ZCCHC11	1.23E+00	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA2237	ZFYVE9	Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA2750	IFT74	Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA311	PLEKHH2	Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA3942	SMAD6	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA3943	SMAD3	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA4390	EIF4ENIF1	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5058	STXBP4	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5059	STXBP4	-Inf	2.72E-01

ko04350	TGF-beta signaling pathway	circRNA5061	STXBP4	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5262	SMURF2	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5263	SMURF2	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA569	SMAD1	-1.32E+00	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5724	LOC102171022	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5725	LOC102171022	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5726	LOC102171022	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA5727	LOC102171022	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA626	MAPK1	4.87E+00	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA8686	TRAK2	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA8690	BMP2	-Inf	2.72E-01
ko04350	TGF-beta signaling pathway	circRNA929	S6K1	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA1146	GTF2E2	1.29E+00	2.72E-01
ko03022	Basal transcription factors	circRNA1229	WDR7	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA1230	WDR7	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA1620	GTF2H1	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA2289	SAP130	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA2740	TBP	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA44	TAF1	Inf	2.72E-01
ko03022	Basal transcription factors	circRNA5930	GTF2I	-Inf	2.72E-01
ko03022	Basal transcription factors	circRNA595	GTF2H3	1.15E+00	2.72E-01
ko03022	Basal transcription factors	circRNA6620	LYST	-Inf	2.72E-01
ko03022	Basal transcription factors	circRNA6624	LYST	-Inf	2.72E-01
ko03022	Basal transcription factors	circRNA6774	GTF2H1	-Inf	2.72E-01
ko03022	Basal transcription factors	circRNA8783	TAF12	-Inf	2.72E-01
ko05142	Chagas disease	circRNA20	FOS	Inf	2.88E-01
ko05142	Chagas disease	circRNA1639	MAPK9	Inf	2.88E-01
ko05142	Chagas disease	circRNA1655	C3	Inf	2.88E-01
ko05142	Chagas disease	circRNA1883	IRAK4	Inf	2.88E-01
ko05142	Chagas disease	circRNA1884	IRAK4	Inf	2.88E-01
ko05142	Chagas disease	circRNA2413	SERPINE2	1.01E+00	2.88E-01
ko05142	Chagas disease	circRNA2438	IFNGR2	1.87E+00	2.88E-01
ko05142	Chagas disease	circRNA2535	PIK3CA	Inf	2.88E-01
ko05142	Chagas disease	circRNA3043	PLCB4	-Inf	2.88E-01
ko05142	Chagas disease	circRNA3943	SMAD3	-Inf	2.88E-01
ko05142	Chagas disease	circRNA4450	AKT3	-Inf	2.88E-01
ko05142	Chagas disease	circRNA4700	CD3G	-Inf	2.88E-01
ko05142	Chagas disease	circRNA626	MAPK1	4.87E+00	2.88E-01
ko05142	Chagas disease	circRNA6475	WHAMM	-Inf	2.88E-01
ko05142	Chagas disease	circRNA660	AKT3	Inf	2.88E-01
ko05142	Chagas disease	circRNA6823	MAPK9	-Inf	2.88E-01
ko05142	Chagas disease	circRNA7008	PPP2R2B	-Inf	2.88E-01
ko05142	Chagas disease	circRNA7854	GNAI1	-Inf	2.88E-01
ko05142	Chagas disease	circRNA82	PLCB1	Inf	2.88E-01

ko05142	Chagas disease	circRNA83	PLCB4	Inf	2.88E-01	
ko03450	Non-homologous end-joining	circRNA1662	RAD50	Inf	3.08E-01	
ko03450	Non-homologous end-joining	circRNA2400	XRCC5	Inf	3.08E-01	
ko03450	Non-homologous end-joining	circRNA833	PRKDC	Inf	3.08E-01	
ko03450	Non-homologous end-joining	circRNA8723	XRCC5	-Inf	3.08E-01	
ko03450	Non-homologous end-joining	circRNA8913	TOMM70A	-Inf	3.08E-01	
ko00521	Streptomycin biosynthesis	circRNA1587	HK1	Inf	3.34E-01	
ko00521	Streptomycin biosynthesis	circRNA233	TGDS	Inf	3.34E-01	
ko00521	Streptomycin biosynthesis	circRNA6680	HK1	-Inf	3.34E-01	
ko00521	Streptomycin biosynthesis	circRNA9681	PGM5	-Inf	3.34E-01	
ko00601	Glycosphingolipid biosynthesis - lacto and neolacto series	circRNA2492	B4GALT4	Inf	3.34E-01	
ko00601	Glycosphingolipid biosynthesis - lacto and neolacto series	circRNA3818	LOC102168270	-Inf	3.34E-01	
ko00601	Glycosphingolipid biosynthesis - lacto and neolacto series	circRNA8909	ST3GAL6	-Inf	3.34E-01	
ko00760	Nicotinate and nicotinamide metabolism	circRNA1740	NUDT12	Inf	3.34E-01	
ko00760	Nicotinate and nicotinamide metabolism	circRNA2379	LOC102187632	Inf	3.34E-01	
ko00760	Nicotinate and nicotinamide metabolism	circRNA2690	ENPP1	Inf	3.34E-01	
ko00562	Inositol phosphate metabolism	circRNA1068	ITPKC	2.60E+00	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1089	PLCE1	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA109	PIP4K2A	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1090	PLCE1	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1091	PLCE1	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1175	PIK3C3	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1342	SACM1L	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA162	PLCG1	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA1966	PIK3C2G	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA2256	INPP5B	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA2535	PIK3CA	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA2730	SYTL3	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA3043	PLCB4	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA4276	INPP4B	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA4277	INPP4B	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA527	ZFYVE26	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA5447	PTEN	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA5465	PLCE1	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA5532	INPP5F	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA573	INPP4B	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA82	PLCB1	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA83	PLCB4	Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA8424	INPP5B	-Inf	3.55E-01	
ko00562	Inositol phosphate metabolism	circRNA8425	INPP5B	-Inf	3.55E-01	

ko00562	Inositol phosphate metabolism	circRNA8705	PIKFYVE	-Inf	3.55E-01
ko00562	Inositol phosphate metabolism	circRNA9688	PIP5K1B	-Inf	3.55E-01
ko00562	Inositol phosphate metabolism	circRNA9689	PIP5K1B	-Inf	3.55E-01
ko00513	High-mannose type N-glycan biosynthesis	circRNA1269	COG7	Inf	3.66E-01
ko00513	High-mannose type N-glycan biosynthesis	circRNA2145	MAN1A2	Inf	3.66E-01
ko00513	High-mannose type N-glycan biosynthesis	circRNA2146	MAN1A2	Inf	3.66E-01
ko00513	High-mannose type N-glycan biosynthesis	circRNA2147	MAN1A2	Inf	3.66E-01
ko00513	High-mannose type N-glycan biosynthesis	circRNA8145	MAN1A2	-Inf	3.66E-01
ko04626	Plant-pathogen interaction	circRNA1920	HSP90B1	Inf	3.66E-01
ko04626	Plant-pathogen interaction	circRNA2563	GK5	Inf	3.66E-01
ko04626	Plant-pathogen interaction	circRNA2564	GK5	Inf	3.66E-01
ko04966	Collecting duct acid secretion	circRNA2491	ATP6V1A	Inf	3.66E-01
ko04966	Collecting duct acid secretion	circRNA593	ATP6V0A2	1.63E+00	3.66E-01
ko04966	Collecting duct acid secretion	circRNA594	ATP6V0A2	Inf	3.66E-01
ko00040	Pentose and glucuronate interconversions	circRNA2221	FGGY	Inf	3.66E-01
ko00040	Pentose and glucuronate interconversions	circRNA351	UGP2	-1.12E+00	3.66E-01
ko00780	Biotin metabolism	circRNA2605	HLCS	Inf	3.66E-01
ko00780	Biotin metabolism	circRNA4789	SPCS2	-Inf	3.66E-01
ko04920	Adipocytokine signaling pathway	circRNA1106	ACSL5	-1.21E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA1451	PRKAA1	1.62E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA1639	MAPK9	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2106	PRKAG2	3.87E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2210	LOC102180987	1.65E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2406	ACSL3	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2407	ACSL3	1.17E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2408	ACSL3	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA2409	ACSL3	-3.47E+00	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA4	ACSL4	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA4366	PTPN11	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA4450	AKT3	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA5	ACSL4	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA660	AKT3	Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA6817	CPT1A	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA6818	CPT1A	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA6819	CPT1A	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA6823	MAPK9	-Inf	3.86E-01
ko04920	Adipocytokine signaling pathway	circRNA8137	PRKAB2	-Inf	3.86E-01
ko00520	Amino sugar and nucleotide sugar metabolism	circRNA1587	HK1	Inf	3.90E-01
ko00520	Amino sugar and nucleotide sugar metabolism	circRNA1798	GNPDA2	Inf	

3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA2261 KIAA0319L Inf
3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA351 UGP2
-1.12E+00 3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA357 GFPT1 Inf
3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA501 GALK2 Inf
3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA502 GALK2 Inf
3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA6242 LOC102181740
-Inf 3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA6680 HK1 -Inf
3.90E-01

ko00520 Amino sugar and nucleotide sugar metabolism circRNA9681 PGM5 -Inf
3.90E-01

ko00190 Oxidative phosphorylation circRNA1763 PPA2 Inf 3.91E-01

ko00190 Oxidative phosphorylation circRNA2491 ATP6V1A Inf 3.91E-01

ko00190 Oxidative phosphorylation circRNA5892 UQCRC2 -Inf 3.91E-01

ko00190 Oxidative phosphorylation circRNA593 ATP6VOA2 1.63E+00 3.91E-01

ko00190 Oxidative phosphorylation circRNA594 ATP6VOA2 Inf 3.91E-01

ko00190 Oxidative phosphorylation circRNA8395 LOC102176290 -Inf 3.91E-01

ko03030 DNA replication circRNA1327 SLMAP Inf 3.91E-01

ko03030 DNA replication circRNA194 LOC100860753 1.55E+00 3.91E-01

ko03030 DNA replication circRNA2750 IFT74 Inf 3.91E-01

ko03030 DNA replication circRNA6128 PRIM2 -Inf 3.91E-01

ko03030 DNA replication circRNA6129 PRIM2 -Inf 3.91E-01

ko03030 DNA replication circRNA9903 C8H9orf43 -Inf 3.91E-01

ko04720 Long-term potentiation circRNA1308 ITPR1 Inf 3.95E-01

ko04720 Long-term potentiation circRNA1765 PPP3CA Inf 3.95E-01

ko04720 Long-term potentiation circRNA1767 PPP3CA Inf 3.95E-01

ko04720 Long-term potentiation circRNA1940 ITPR2 Inf 3.95E-01

ko04720 Long-term potentiation circRNA1941 ITPR2 Inf 3.95E-01

ko04720 Long-term potentiation circRNA1943 ITPR2 Inf 3.95E-01

ko04720 Long-term potentiation circRNA1944 ITPR2 Inf 3.95E-01

ko04720 Long-term potentiation circRNA2102 BRAF Inf 3.95E-01

ko04720 Long-term potentiation circRNA2103 BRAF Inf 3.95E-01

ko04720 Long-term potentiation circRNA2235 ZCCHC11 1.47E+00 3.95E-01

ko04720 Long-term potentiation circRNA2236 ZCCHC11 1.23E+00 3.95E-01

ko04720 Long-term potentiation circRNA26 RPS6KA6 Inf 3.95E-01

ko04720 Long-term potentiation circRNA2801 PPP3CC Inf 3.95E-01

ko04720 Long-term potentiation circRNA3043 PLCB4 -Inf 3.95E-01

ko04720 Long-term potentiation circRNA4390 EIF4ENIF1 -Inf 3.95E-01

ko04720	Long-term potentiation	circRNA4590	RPS6KC1	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA6020	ITPR1	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA626	MAPK1	4.87E+00	3.95E-01
ko04720	Long-term potentiation	circRNA6440	MCTP2	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA7127	CAMK4	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA729	RPS6KC1	Inf	3.95E-01
ko04720	Long-term potentiation	circRNA74	RPS6KA3	Inf	3.95E-01
ko04720	Long-term potentiation	circRNA7657	ITPR2	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA7658	ITPR2	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA7665	ITPR2	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA82	PLCB1	Inf	3.95E-01
ko04720	Long-term potentiation	circRNA8269	PRKACB	-Inf	3.95E-01
ko04720	Long-term potentiation	circRNA83	PLCB4	Inf	3.95E-01
ko04720	Long-term potentiation	circRNA9764	PPP3CC	-Inf	3.95E-01
ko04070	Phosphatidylinositol signaling system	circRNA1068	ITPKC	2.60E+00	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1089	PLCE1	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA109	PIP4K2A	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1090	PLCE1	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1091	PLCE1	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1175	PIK3C3	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1308	ITPR1	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1342	SACM1L	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA162	PLCG1	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA186	DGKH	1.91E+00	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1940	ITPR2	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1941	ITPR2	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1943	ITPR2	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1944	ITPR2	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA1966	PIK3C2G	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA2256	INPP5B	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA2535	PIK3CA	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA2730	SYTL3	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA3043	PLCB4	-Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA3308	DGKH	-Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA4276	INPP4B	-Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA4277	INPP4B	-Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA527	ZFYVE26	Inf	4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA5447	PTEN	-Inf	

4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA5465	PLCE1	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA5532	INPP5F	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA573	INPP4B	Inf 4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA6020	ITPR1	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA6440	MCTP2	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA7657	ITPR2	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA7658	ITPR2	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA7665	ITPR2	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA82	PLCB1	Inf 4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA83	PLCB4	Inf 4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA8424	INPP5B	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA8425	INPP5B	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA8705	PIKFYVE	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA919	DGKE	Inf 4.08E-01
ko04070	Phosphatidylinositol signaling system	circRNA9688	PIP5K1B	-Inf
4.08E-01				
ko04070	Phosphatidylinositol signaling system	circRNA9689	PIP5K1B	-Inf
4.08E-01				
ko00430	Taurine and hypotaurine metabolism	circRNA3215	GGT7	-Inf 4.10E-01
ko00430	Taurine and hypotaurine metabolism	circRNA3216	GGT7	-Inf 4.10E-01
ko00950	Isoquinoline alkaloid biosynthesis	circRNA3004	MAOB	-Inf 4.10E-01
ko00643	Styrene degradation	circRNA6484	FAH	-Inf 4.10E-01
ko00523	Polyketide sugar unit biosynthesis	circRNA233	TGDS	Inf 4.10E-01
ko00625	Tetrachloroethene degradation	circRNA1028	WVOX	-1.04E+00 4.10E-01
ko00363	Bisphenol A degradation	circRNA1028	WVOX	-1.04E+00 4.10E-01
ko00130	Ubiquinone and other terpenoid-quinone biosynthesis	circRNA1836	COQ2	
Inf 4.10E-01				
ko00460	Cyanoamino acid metabolism	circRNA3215	GGT7	-Inf 4.10E-01
ko00460	Cyanoamino acid metabolism	circRNA3216	GGT7	-Inf 4.10E-01
ko00524	Butirosin and neomycin biosynthesis	circRNA1587	HK1	Inf 4.10E-01
ko00524	Butirosin and neomycin biosynthesis	circRNA6680	HK1	-Inf 4.10E-01
ko01055	Biosynthesis of vancomycin group antibiotics	circRNA233	TGDS	Inf
4.10E-01				

ko05218	Melanoma	circRNA1046	CDH1	Inf	4.11E-01	
ko05218	Melanoma	circRNA1311	MITF	Inf	4.11E-01	
ko05218	Melanoma	circRNA1896	MDM2	Inf	4.11E-01	
ko05218	Melanoma	circRNA2102	BRAF	Inf	4.11E-01	
ko05218	Melanoma	circRNA2103	BRAF	Inf	4.11E-01	
ko05218	Melanoma	circRNA2535	PIK3CA	Inf	4.11E-01	
ko05218	Melanoma	circRNA4450	AKT3	-Inf	4.11E-01	
ko05218	Melanoma	circRNA5386	CDH1	-Inf	4.11E-01	
ko05218	Melanoma	circRNA5447	PTEN	-Inf	4.11E-01	
ko05218	Melanoma	circRNA626	MAPK1	4.87E+00	4.11E-01	
ko05218	Melanoma	circRNA660	AKT3	Inf	4.11E-01	
ko05218	Melanoma	circRNA741	PDGFD	Inf	4.11E-01	
ko05218	Melanoma	circRNA7903	MET	-Inf	4.11E-01	
ko05218	Melanoma	circRNA7904	MET	-Inf	4.11E-01	
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA1184	DSC2			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA1301	ITGA9			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2019	ITGB8			
	1.00E+00	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2301	ITGAV			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2310	ITGA4			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2311	ITGA4			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2349	CACNB4			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2391	DYTN			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2682	LAMA2			
	1.30E+00	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2683	LAMA2			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2684	LAMA2			
	Inf	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2685	LAMA2			
	1.83E+00	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2686	LAMA2			
	2.01E+00	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2687	LAMA2			
	2.94E+00	4.16E-01				
ko05412	Arrhythmogenic right ventricular cardiomyopathy	circRNA2688	LAMA2			
	Inf	4.16E-01				

ko05412 Arrhythmogenic right ventricular cardiomyopathy Inf 4.16E-01		circRNA2701 UTRN
ko05412 Arrhythmogenic right ventricular cardiomyopathy Inf 4.16E-01		circRNA2703 UTRN
ko05412 Arrhythmogenic right ventricular cardiomyopathy Inf 4.16E-01		circRNA2706 UTRN
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA4477 KIFAP3
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA4478 KIFAP3
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA5418 ACTN4
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA5686 DTNA
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA5993 ITGA9
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA6087 CACNA2D3
ko05412 Arrhythmogenic right ventricular cardiomyopathy 4.16E-01		circRNA63 DMD Inf
ko05412 Arrhythmogenic right ventricular cardiomyopathy 4.16E-01		circRNA64 DMD Inf
ko05412 Arrhythmogenic right ventricular cardiomyopathy 4.16E-01		circRNA66 DMD Inf
ko05412 Arrhythmogenic right ventricular cardiomyopathy Inf 4.16E-01		circRNA672 KIFAP3
ko05412 Arrhythmogenic right ventricular cardiomyopathy Inf 4.16E-01		circRNA674 KIFAP3
ko05412 Arrhythmogenic right ventricular cardiomyopathy 4.16E-01		circRNA68 DMD Inf
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA6989 CTNNA1
ko05412 Arrhythmogenic right ventricular cardiomyopathy -Inf 4.16E-01		circRNA9437 LAMA2
ko05416 Viral myocarditis	circRNA1327 SLMAP	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA1423 BDP1	2.71E+00 4.23E-01
ko05416 Viral myocarditis	circRNA1424 BDP1	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA1694 FAM13B	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA1697 FAM13B	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA1772 FAM13A	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA1824 US01	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA2056 TAX1BP1	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA2099 LUC7L2	Inf 4.23E-01
ko05416 Viral myocarditis	circRNA2179 EVI5	Inf 4.23E-01

ko05416	Viral myocarditis	circRNA2182	EVI5	1.48E+00	4.23E-01
ko05416	Viral myocarditis	circRNA2391	DYTN	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2545	LEKR1	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2650	FYN	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2682	LAMA2	1.30E+00	4.23E-01
ko05416	Viral myocarditis	circRNA2683	LAMA2	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2684	LAMA2	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2685	LAMA2	1.83E+00	4.23E-01
ko05416	Viral myocarditis	circRNA2686	LAMA2	2.01E+00	4.23E-01
ko05416	Viral myocarditis	circRNA2687	LAMA2	2.94E+00	4.23E-01
ko05416	Viral myocarditis	circRNA2688	LAMA2	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2701	UTRN	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2703	UTRN	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2706	UTRN	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2750	IFT74	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA2901	UTP14A	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA4335	CCDC62	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA4521	CASP9	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA4762	PPFIBP2	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA5646	HOOK3	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA5686	DTNA	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA5914	ITGAL	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA5986	LRRFIP2	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA6291	BDP1	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA6292	BDP1	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA6294	BDP1	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA63	DMD	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA630	CD55	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA638	MIA3	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA6396	RAI14	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA64	DMD	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA66	DMD	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA68	DMD	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA780	EIF4G2	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA784	SWAP70	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA785	SWAP70	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA79	OFD1	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA80	OFD1	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA8032	LUC7L2	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA81	OFD1	Inf	4.23E-01
ko05416	Viral myocarditis	circRNA8265	ODF2L	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA8812	EIF4G3	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA8815	EIF4G3	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA8816	EIF4G3	-Inf	4.23E-01

ko05416	Viral myocarditis	circRNA9437	LAMA2	-Inf	4.23E-01
ko05416	Viral myocarditis	circRNA9798	GKAP1	-Inf	4.23E-01
ko04962	Vasopressin-regulated water reabsorption	ciRNA90	RAB5B	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA1245	ADCY9	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA2007	DYNC1I1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA2392	CREB1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA3755	ATAD2B	-Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA4631	DYNC2H1	-Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA537	CEP128	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA539	CEP128	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA5992	GOLGA4	-Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA743	DYNC2H1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA744	DYNC2H1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA746	DYNC2H1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA79	OFD1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA7939	CREB5	-Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA80	OFD1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA81	OFD1	Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA8269	PRKACB	-Inf	4.27E-01
ko04962	Vasopressin-regulated water reabsorption	circRNA991	NSF	Inf	4.27E-01
ko03430	Mismatch repair	circRNA1327	SLMAP	Inf	4.28E-01
ko03430	Mismatch repair	circRNA2750	IFT74	Inf	4.28E-01
ko03430	Mismatch repair	circRNA5951	PMS2	-Inf	4.28E-01
ko03430	Mismatch repair	circRNA8913	TOMM70A	-Inf	4.28E-01
ko00020	Citrate cycle	circRNA1313	SUCLG2	2.86E+00	4.28E-01
ko00020	Citrate cycle	circRNA1315	SUCLG2	Inf	4.28E-01
ko00020	Citrate cycle	circRNA1502	IDH2	1.06E+00	4.28E-01
ko00020	Citrate cycle	circRNA4465	FH	-Inf	4.28E-01

ko00020	Citrate cycle	circRNA665	FH	Inf	4.28E-01	
ko00020	Citrate cycle	circRNA7962	OGDH	-Inf	4.28E-01	
ko04130	SNARE interactions in vesicular transport	circRNA146	STX16		-1.73E+00	4.28E-01
ko04130	SNARE interactions in vesicular transport	circRNA5144	GOSR1	-Inf	4.28E-01	
ko04130	SNARE interactions in vesicular transport	circRNA590	STX2	Inf	4.28E-01	
ko04130	SNARE interactions in vesicular transport	circRNA971	STX8	Inf	4.28E-01	
ko04142	Lysosome	circRNA1077	LIPA	Inf	4.50E-01	
ko04142	Lysosome	circRNA1137	AGA	-3.49E+00	4.50E-01	
ko04142	Lysosome	circRNA1370	PTCHD4	Inf	4.50E-01	
ko04142	Lysosome	circRNA1501	AP3S2	Inf	4.50E-01	
ko04142	Lysosome	circRNA1764	MANBA	1.56E+00	4.50E-01	
ko04142	Lysosome	circRNA2014	TSPAN13	Inf	4.50E-01	
ko04142	Lysosome	circRNA3910	ARSB	-Inf	4.50E-01	
ko04142	Lysosome	circRNA4088	AP4E1	-Inf	4.50E-01	
ko04142	Lysosome	circRNA4201	GALC	-Inf	4.50E-01	
ko04142	Lysosome	circRNA424	AP3B1	Inf	4.50E-01	
ko04142	Lysosome	circRNA4321	SCARB1	-Inf	4.50E-01	
ko04142	Lysosome	circRNA585	CTSO	1.30E+00	4.50E-01	
ko04142	Lysosome	circRNA593	ATP6V0A2	1.63E+00	4.50E-01	
ko04142	Lysosome	circRNA594	ATP6V0A2	Inf	4.50E-01	
ko04142	Lysosome	circRNA7490	LOC102191209	-Inf	4.50E-01	
ko04142	Lysosome	circRNA888	LAPTM4B	2.96E+00	4.50E-01	
ko04142	Lysosome	circRNA926	CLTC	Inf	4.50E-01	
ko04020	Calcium signaling pathway	circRNA1068	ITPKC	2.60E+00	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1089	PLCE1	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1090	PLCE1	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1091	PLCE1	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1158	VDAC3	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1159	VDAC3	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1245	ADCY9	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1308	ITPR1	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1584	SLC25A16	1.15E+00	4.54E-01	
ko04020	Calcium signaling pathway	circRNA162	PLCG1	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1765	PPP3CA	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1767	PPP3CA	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1940	ITPR2	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1941	ITPR2	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1943	ITPR2	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA1944	ITPR2	Inf	4.54E-01	
ko04020	Calcium signaling pathway	circRNA2164	LOC102191575	Inf	4.54E-01	

ko04020	Calcium signaling pathway	circRNA2604	DOPEY2	1.37E+00	4.54E-01
ko04020	Calcium signaling pathway	circRNA2801	PPP3CC	Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA3043	PLCB4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA3601	SLC8A1	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA4349	P2RX7	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA5465	PLCE1	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA6020	ITPR1	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA6440	MCTP2	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA6703	VDAC2	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7011	HTR4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7012	HTR4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7013	HTR4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7014	HTR4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7127	CAMK4	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7459	ATP2B1	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7657	ITPR2	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7658	ITPR2	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA7665	ITPR2	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA82	PLCB1	Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA8269	PRKACB	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA83	PLCB4	Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA9075	FNDC3B	-Inf	4.54E-01
ko04020	Calcium signaling pathway	circRNA9764	PPP3CC	-Inf	4.54E-01
ko05140	Leishmaniasis	circRNA20	FOS	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA1103	SH3PXD2A	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA1655	C3	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA1883	IRAK4	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA1884	IRAK4	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA2310	ITGA4	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA2311	ITGA4	Inf	4.70E-01
ko05140	Leishmaniasis	circRNA2438	IFNGR2	1.87E+00	4.70E-01
ko05140	Leishmaniasis	circRNA4578	PTGS2	-Inf	4.70E-01
ko05140	Leishmaniasis	circRNA626	MAPK1	4.87E+00	4.70E-01
ko05130	Pathogenic Escherichia coli infection	circRNA1046	CDH1	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA1327	SLMAP	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA2082	WASL	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA2650	FYN	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA2750	IFT74	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA311	PLEKHH2	Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA3225	RBM39	-Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA5058	STXBP4	-Inf	4.73E-01
ko05130	Pathogenic Escherichia coli infection	circRNA5059	STXBP4	-Inf	4.73E-01

4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5061 STXBP4 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5386 CDH1 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5724 LOC102171022 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5725 LOC102171022 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5726 LOC102171022 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA5727 LOC102171022 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA751 CCDC82 Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA8686 TRAK2 -Inf
4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA871 PABPC1 Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA8762 NCL -Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA889 MTDH Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA890 MTDH Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA891 MTDH Inf 4. 73E-01

ko05130 Pathogenic Escherichia coli infection circRNA9419 SYNCRIP -Inf
4. 73E-01

ko05144 Malaria circRNA2357 LRP1B Inf 4. 76E-01

ko05144 Malaria circRNA2358 LRP1B Inf 4. 76E-01

ko05144 Malaria circRNA2359 LRP1B 2. 10E+00 4. 76E-01

ko05144 Malaria circRNA2360 LRP1B Inf 4. 76E-01

ko05144 Malaria circRNA2362 LRP1B Inf 4. 76E-01

ko05144 Malaria circRNA5914 ITGAL -Inf 4. 76E-01

ko05144 Malaria circRNA7903 MET -Inf 4. 76E-01

ko05144 Malaria circRNA7904 MET -Inf 4. 76E-01

ko00450 Selenoamino acid metabolism circRNA2638 TRMT11 Inf 4. 76E-01

ko00450 Selenoamino acid metabolism circRNA2639 TRMT11 Inf 4. 76E-01

ko00450 Selenoamino acid metabolism circRNA3215 GGT7 -Inf 4. 76E-01

ko00450 Selenoamino acid metabolism circRNA3216 GGT7 -Inf 4. 76E-01

ko00450 Selenoamino acid metabolism circRNA7044 MAT2B -Inf 4. 76E-01

ko00340 Histidine metabolism circRNA1675 ALDH7A1 Inf 4. 76E-01

ko00340 Histidine metabolism circRNA1676 ALDH7A1 Inf 4. 76E-01

ko00340 Histidine metabolism circRNA2638 TRMT11 Inf 4. 76E-01

ko00340 Histidine metabolism circRNA2639 TRMT11 Inf 4. 76E-01

ko00340 Histidine metabolism circRNA3004 MAOB -Inf 4. 76E-01

ko00410 beta-Alanine metabolism circRNA1675 ALDH7A1 Inf 4. 76E-01

ko00410 beta-Alanine metabolism circRNA1676 ALDH7A1 Inf 4. 76E-01

ko00410 beta-Alanine metabolism circRNA2296 HIBCH Inf 4. 76E-01

ko00410	beta-Alanine metabolism	circRNA2297	HIBCH	Inf	4.76E-01
ko00410	beta-Alanine metabolism	circRNA8201	DPYD	-Inf	4.76E-01
ko00410	beta-Alanine metabolism	circRNA8202	DPYD	-Inf	4.76E-01
ko00563	Glycosylphosphatidylinositol	circRNA1238	PIGN	Inf	4.76E-01
ko00563	Glycosylphosphatidylinositol	circRNA3213	PIGU	-Inf	4.76E-01
ko00563	Glycosylphosphatidylinositol	circRNA323	PIGF	-1.33E+00	4.76E-01
ko00563	Glycosylphosphatidylinositol	circRNA5816	PIGN	-Inf	4.76E-01
ko00670	One carbon pool by folate	circRNA1569	MTR	Inf	4.76E-01
ko00670	One carbon pool by folate	circRNA2399	ATIC	Inf	4.76E-01
ko00670	One carbon pool by folate	circRNA2713	LOC102188948	Inf	4.76E-01
ko00670	One carbon pool by folate	circRNA6631	MTR	-Inf	4.76E-01
ko00310	Lysine degradation	circRNA95	ASH1L	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1006	CEP95	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1152	WHSC1L1	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1340	SETD2	Inf	4.81E-01
ko00310	Lysine degradation	circRNA157	PHF20	2.39E+00	4.81E-01
ko00310	Lysine degradation	circRNA158	PHF20	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1675	ALDH7A1	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1676	ALDH7A1	Inf	4.81E-01
ko00310	Lysine degradation	circRNA1880	SCAF11	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2079	AASS	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2126	GON4L	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2127	ASH1L	-1.28E+00	4.81E-01
ko00310	Lysine degradation	circRNA2130	ASH1L	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2132	ASH1L	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2312	CWC22	Inf	4.81E-01
ko00310	Lysine degradation	circRNA2559	PLOD2	1.75E+00	4.81E-01
ko00310	Lysine degradation	circRNA3864	EHMT1	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA4789	SPCS2	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA5196	UTP18	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA6118	SETD2	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA6119	SETD2	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA6120	SETD2	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA6211	DEK	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA7962	OGDH	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA8515	CWC22	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA9006	IQCG	-Inf	4.81E-01
ko00310	Lysine degradation	circRNA981	UTP18	-1.15E+00	4.81E-01
ko04060	Cytokine-cytokine receptor interaction	circRNA1443	IL6ST	1.62E+00	4.81E-01
ko04060	Cytokine-cytokine receptor interaction	circRNA1452	OSMR	Inf	4.81E-01
ko04060	Cytokine-cytokine receptor interaction	circRNA1596	BMPRI1A	Inf	4.81E-01
ko04060	Cytokine-cytokine receptor interaction	circRNA1814	KDR	Inf	4.81E-01
ko04060	Cytokine-cytokine receptor interaction	circRNA1825	CXCL9	Inf	4.81E-01

ko04060	Cytokine-cytokine receptor interaction	circRNA212	LOC100860837			
				2.63E+00	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA2134	IL6R	Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA2210	LOC102180987			
				1.65E+00	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA2438	IFNGR2	1.87E+00		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA2439	IFNAR1	Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA2522	IL1RAP	Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA2890	IL13RA1	-Inf		
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ko04060	Cytokine-cytokine receptor interaction	circRNA3383	LOC100860837			-Inf
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA3510	IL1R1	-Inf		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA3511	IL1R1	-Inf		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA3517	IL1R1	-Inf		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA3522	IL18R1	-Inf		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA6336	IL6ST	-Inf		
				4.81E-01		
ko04060	Cytokine-cytokine receptor interaction	circRNA741	PDGFD	Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA7903	MET	-Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA7904	MET	-Inf	4.81E-01	
ko04060	Cytokine-cytokine receptor interaction	circRNA8690	BMPR2	-Inf		
				4.81E-01		
ko00620	Pyruvate metabolism	circRNA1675	ALDH7A1	Inf	4.94E-01	
ko00620	Pyruvate metabolism	circRNA1676	ALDH7A1	Inf	4.94E-01	
ko00620	Pyruvate metabolism	circRNA5831	HAGH	-Inf	4.94E-01	
ko00620	Pyruvate metabolism	circRNA614	ACACB	1.58E+00	4.94E-01	
ko00620	Pyruvate metabolism	circRNA615	ACACB	1.17E+00	4.94E-01	
ko00620	Pyruvate metabolism	circRNA616	ACACB	Inf	4.94E-01	
ko00620	Pyruvate metabolism	circRNA849	LACTB2	Inf	4.94E-01	
ko00620	Pyruvate metabolism	circRNA938	ACACA	Inf	4.94E-01	
ko00510	N-Glycan biosynthesis	circRNA1269	COG7	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA1623	STT3A	1.89E+00	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA1744	MAN2A1	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA1745	MAN2A1	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA2145	MAN1A2	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA2146	MAN1A2	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA2147	MAN1A2	Inf	5.05E-01	
ko00510	N-Glycan biosynthesis	circRNA3495	MGAT4A	-Inf	5.05E-01	

ko00510	N-Glycan biosynthesis	circRNA6089	RFT1	-Inf	5.05E-01
ko00510	N-Glycan biosynthesis	circRNA7115	MAN2A1	-Inf	5.05E-01
ko00510	N-Glycan biosynthesis	circRNA7117	MAN2A1	-Inf	5.05E-01
ko00510	N-Glycan biosynthesis	circRNA8145	MAN1A2	-Inf	5.05E-01
ko00510	N-Glycan biosynthesis	circRNA8655	MGAT5	-Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA59	PPAP2A	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA1344	MGLL	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA1675	ALDH7A1	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA1676	ALDH7A1	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA186	DGKH	1.91E+00	5.05E-01
ko00561	Glycerolipid metabolism	circRNA2563	GK5	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA2564	GK5	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA3308	DGKH	-Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA6341	PPAP2A	-Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA919	DGKE	Inf	5.05E-01
ko00561	Glycerolipid metabolism	circRNA9546	AGPAT4	-Inf	5.05E-01
ko04062	Chemokine signaling pathway	circRNA294	PAR3B	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA1103	SH3PXD2A	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA1245	ADCY9	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA1327	SLMAP	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA1654	VAV1	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA166	ELMO2	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA1825	CXCL9	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2082	WASL	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2102	BRAF	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2103	BRAF	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2390	PAR3B	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2535	PIK3CA	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA2750	IFT74	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3043	PLCB4	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3083	PAR3	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3088	PAR3	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3090	PAR3	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA311	PLEKHH2	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3488	NPHP1	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA3489	NPHP1	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA421	LOC102188320	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA422	LOC102188320	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA4450	AKT3	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA4515	GNB1	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA4857	PTK2	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA504	CEP152	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5058	STXBP4	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5059	STXBP4	-Inf	5.18E-01

ko04062	Chemokine signaling pathway	circRNA5061	STXBP4	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5724	LOC102171022	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5725	LOC102171022	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5726	LOC102171022	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA5727	LOC102171022	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA626	MAPK1	4.87E+00	5.18E-01
ko04062	Chemokine signaling pathway	circRNA660	AKT3	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA7015	ARHGEF37	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA711	RALGPS2	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA7854	GNAI1	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA8182	VAV3	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA82	PLCB1	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA8269	PRKACB	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA83	PLCB4	Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA8488	LIMS2	-Inf	5.18E-01
ko04062	Chemokine signaling pathway	circRNA8686	TRAK2	-Inf	5.18E-01
ko05110	Vibrio cholerae infection	circRNA1245	ADCY9	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA1292	OSBPL10	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA1293	OSBPL10	1.55E+00	5.19E-01
ko05110	Vibrio cholerae infection	circRNA162	PLCG1	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA1671	SLC12A2	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA2491	ATP6V1A	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA3493	TMEM131	-Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA593	ATP6VOA2	1.63E+00	5.19E-01
ko05110	Vibrio cholerae infection	circRNA594	ATP6VOA2	Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA6440	MCTP2	-Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA7897	CFTR	-Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA7899	CFTR	-Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA8269	PRKACB	-Inf	5.19E-01
ko05110	Vibrio cholerae infection	circRNA8306	SGIP1	-Inf	5.19E-01
ko04110	Cell cycle	circRNA1286	MAD1L1	Inf	5.34E-01
ko04110	Cell cycle	circRNA1426	CDK7	Inf	5.34E-01
ko04110	Cell cycle	circRNA1427	CDK7	Inf	5.34E-01
ko04110	Cell cycle	circRNA1896	MDM2	Inf	5.34E-01
ko04110	Cell cycle	circRNA2169	CDC14A	1.69E+00	5.34E-01
ko04110	Cell cycle	circRNA2235	ZCCHC11	1.47E+00	5.34E-01
ko04110	Cell cycle	circRNA2236	ZCCHC11	1.23E+00	5.34E-01
ko04110	Cell cycle	circRNA2381	ORC2	Inf	5.34E-01
ko04110	Cell cycle	circRNA2562	ATR	Inf	5.34E-01
ko04110	Cell cycle	circRNA2673	ORC3	Inf	5.34E-01
ko04110	Cell cycle	circRNA3485	ANAPC1	-Inf	5.34E-01
ko04110	Cell cycle	circRNA3486	ANAPC1	-Inf	5.34E-01
ko04110	Cell cycle	circRNA3943	SMAD3	-Inf	5.34E-01
ko04110	Cell cycle	circRNA4383	CHEK2	-Inf	5.34E-01

ko04110	Cell cycle	circRNA4390	EIF4ENIF1	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA621	CHEK2	Inf	5.34E-01	
ko04110	Cell cycle	circRNA6982	CDC23	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA7210	ANAPC4	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA8187	CDC14A	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA833	PRKDC	Inf	5.34E-01	
ko04110	Cell cycle	circRNA8681	ORC2	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA9163	XRN1	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA9192	STAG1	-Inf	5.34E-01	
ko04110	Cell cycle	circRNA9193	STAG1	-Inf	5.34E-01	
ko00590	Arachidonic acid metabolism	circRNA3215	GGT7	-Inf	5.41E-01	
ko00590	Arachidonic acid metabolism	circRNA3216	GGT7	-Inf	5.41E-01	
ko00590	Arachidonic acid metabolism	circRNA4578	PTGS2	-Inf	5.41E-01	
ko00720	Reductive carboxylate cycle	circRNA1502	IDH2	1.06E+00	5.41E-01	
ko00720	Reductive carboxylate cycle	circRNA4465	FH	-Inf	5.41E-01	
ko00720	Reductive carboxylate cycle	circRNA665	FH	Inf	5.41E-01	
ko00380	Tryptophan metabolism	circRNA1675	ALDH7A1	Inf	5.42E-01	
ko00380	Tryptophan metabolism	circRNA1676	ALDH7A1	Inf	5.42E-01	
ko00380	Tryptophan metabolism	circRNA2379	LOC102187632	Inf	5.42E-01	
ko00380	Tryptophan metabolism	circRNA3004	MAOB	-Inf	5.42E-01	
ko00380	Tryptophan metabolism	circRNA7962	OGDH	-Inf	5.42E-01	
ko00512	O-Glycan biosynthesis	circRNA1180	GALNT1	1.44E+00	5.42E-01	
ko00512	O-Glycan biosynthesis	circRNA2108	GALNT11	Inf	5.42E-01	
ko00512	O-Glycan biosynthesis	circRNA2742	GALNT7	Inf	5.42E-01	
ko00512	O-Glycan biosynthesis	circRNA3282	B4GALT5	-Inf	5.42E-01	
ko05217	Basal cell carcinoma	circRNA2069	GLI3	Inf	5.42E-01	
ko05217	Basal cell carcinoma	circRNA2404	STK36	Inf	5.42E-01	
ko05217	Basal cell carcinoma	circRNA2828	PTCH1	Inf	5.42E-01	
ko05217	Basal cell carcinoma	circRNA411	APC	Inf	5.42E-01	
ko00071	Fatty acid metabolism	circRNA1106	ACSL5	-1.21E+00	5.44E-01	
ko00071	Fatty acid metabolism	circRNA1675	ALDH7A1	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA1676	ALDH7A1	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA2398	ACADL	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA2406	ACSL3	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA2407	ACSL3	1.17E+00	5.44E-01	
ko00071	Fatty acid metabolism	circRNA2408	ACSL3	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA2409	ACSL3	-3.47E+00	5.44E-01	
ko00071	Fatty acid metabolism	circRNA4	ACSL4	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA5	ACSL4	Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA6817	CPT1A	-Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA6818	CPT1A	-Inf	5.44E-01	
ko00071	Fatty acid metabolism	circRNA6819	CPT1A	-Inf	5.44E-01	
ko04916	Melanogenesis	circRNA1245	ADCY9	Inf	5.53E-01	
ko04916	Melanogenesis	circRNA1311	MITF	Inf	5.53E-01	

ko04916	Melanogenesis	circRNA2235	ZCCHC11	1.47E+00	5.53E-01
ko04916	Melanogenesis	circRNA2236	ZCCHC11	1.23E+00	5.53E-01
ko04916	Melanogenesis	circRNA2392	CREB1	Inf	5.53E-01
ko04916	Melanogenesis	circRNA3043	PLCB4	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA4390	EIF4ENIF1	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA626	MAPK1	4.87E+00	5.53E-01
ko04916	Melanogenesis	circRNA6440	MCTP2	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA6475	WHAMM	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA7854	GNAI1	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA82	PLCB1	Inf	5.53E-01
ko04916	Melanogenesis	circRNA8269	PRKACB	-Inf	5.53E-01
ko04916	Melanogenesis	circRNA83	PLCB4	Inf	5.53E-01
ko04145	Phagosome	circRNA90	RAB5B	Inf	5.61E-01
ko04145	Phagosome	circRNA1103	SH3PXD2A	Inf	5.61E-01
ko04145	Phagosome	circRNA1175	PIK3C3	Inf	5.61E-01
ko04145	Phagosome	circRNA121	MRC1	1.56E+00	5.61E-01
ko04145	Phagosome	circRNA1655	C3	Inf	5.61E-01
ko04145	Phagosome	circRNA1838	WDFY3	Inf	5.61E-01
ko04145	Phagosome	circRNA2007	DYNC1I1	Inf	5.61E-01
ko04145	Phagosome	circRNA2219	HOOK1	Inf	5.61E-01
ko04145	Phagosome	circRNA2301	ITGAV	Inf	5.61E-01
ko04145	Phagosome	circRNA2491	ATP6V1A	Inf	5.61E-01
ko04145	Phagosome	circRNA3742	DNAJC27	-Inf	5.61E-01
ko04145	Phagosome	circRNA4146	SYNE2	-Inf	5.61E-01
ko04145	Phagosome	circRNA4147	SYNE2	-Inf	5.61E-01
ko04145	Phagosome	circRNA4631	DYNC2H1	-Inf	5.61E-01
ko04145	Phagosome	circRNA523	SYNE2	Inf	5.61E-01
ko04145	Phagosome	circRNA524	SYNE2	3.00E+00	5.61E-01
ko04145	Phagosome	circRNA5646	HOOK3	-Inf	5.61E-01
ko04145	Phagosome	circRNA593	ATP6V0A2	1.63E+00	5.61E-01
ko04145	Phagosome	circRNA594	ATP6V0A2	Inf	5.61E-01
ko04145	Phagosome	circRNA62	LOC102175938	Inf	5.61E-01
ko04145	Phagosome	circRNA743	DYNC2H1	Inf	5.61E-01
ko04145	Phagosome	circRNA744	DYNC2H1	Inf	5.61E-01
ko04145	Phagosome	circRNA746	DYNC2H1	Inf	5.61E-01
ko04145	Phagosome	circRNA7461	EEA1	-Inf	5.61E-01
ko04145	Phagosome	circRNA7462	EEA1	-Inf	5.61E-01
ko04145	Phagosome	circRNA8956	WDR52	-Inf	5.61E-01
ko04360	Axon guidance	circRNA1148	UNC5D	Inf	5.71E-01
ko04360	Axon guidance	circRNA1327	SLMAP	Inf	5.71E-01
ko04360	Axon guidance	circRNA1473	SEMA5A	1.93E+00	5.71E-01
ko04360	Axon guidance	circRNA1474	SEMA5A	Inf	5.71E-01
ko04360	Axon guidance	circRNA1765	PPP3CA	Inf	5.71E-01
ko04360	Axon guidance	circRNA1767	PPP3CA	Inf	5.71E-01

ko04360	Axon guidance	circRNA2165	NTNG1	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2460	ROB02	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2461	ROB02	1.83E+00	5.71E-01	
ko04360	Axon guidance	circRNA2463	ROB02	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2465	ROB02	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2467	ROB02	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2468	ROB02	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2650	FYN	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2750	IFT74	Inf	5.71E-01	
ko04360	Axon guidance	circRNA2801	PPP3CC	Inf	5.71E-01	
ko04360	Axon guidance	circRNA311	PLEKHH2	Inf	5.71E-01	
ko04360	Axon guidance	circRNA3470	EFNB2	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA4548	RASAL2	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA4857	PTK2	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5058	STXBP4	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5059	STXBP4	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5061	STXBP4	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5530	RGS10	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5724	LOC102171022	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5725	LOC102171022	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5726	LOC102171022	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA5727	LOC102171022	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA626	MAPK1	4.87E+00	5.71E-01	
ko04360	Axon guidance	circRNA709	RASAL2	Inf	5.71E-01	
ko04360	Axon guidance	circRNA7463	PLXNC1	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7464	PLXNC1	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7553	SRGAP1	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7555	SRGAP1	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7854	GNAI1	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7903	MET	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA7904	MET	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8686	TRAK2	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8801	EPHB2	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8884	ROB02	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8887	ROB01	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8888	ROB01	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA8899	EPHA3	-Inf	5.71E-01	
ko04360	Axon guidance	circRNA970	NTN1	Inf	5.71E-01	
ko04360	Axon guidance	circRNA9764	PPP3CC	-Inf	5.71E-01	
ko00100	Steroid biosynthesis	circRNA1077	LIPA	Inf	6.01E-01	
ko00100	Steroid biosynthesis	circRNA2122	HSD17B7	Inf	6.01E-01	
ko00100	Steroid biosynthesis	circRNA2744	FDFT1	-1.14E+00	6.01E-01	
ko00100	Steroid biosynthesis	circRNA8093	HSD17B7	-Inf	6.01E-01	
ko00250	"Alanine, aspartate and glutamate metabolism"	circRNA1597	LOC102173716			

Inf 6.01E-01						
ko00250	"Alanine, aspartate and glutamate metabolism"	circRNA1598	LOC102173716			
Inf 6.01E-01						
ko00250	"Alanine, aspartate and glutamate metabolism"	circRNA2372	GLS	Inf		
6.01E-01						
ko00250	"Alanine, aspartate and glutamate metabolism"	circRNA357	GFPT1	Inf		
6.01E-01						
ko03020	RNA polymerase	circRNA342	POLR1B	Inf	6.01E-01	
ko03020	RNA polymerase	circRNA609	RASAL1	Inf	6.01E-01	
ko03020	RNA polymerase	circRNA6707	POLR3A	-Inf	6.01E-01	
ko04650	Natural killer cell mediated cytotoxicity	circRNA162	PLCG1	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA1654	VAV1	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA1765	PPP3CA	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA1767	PPP3CA	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2102	BRAF	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2103	BRAF	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2438	IFNGR2	1.87E+00		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2439	IFNAR1	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2535	PIK3CA	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA2650	FYN	Inf	6.10E-01	
ko04650	Natural killer cell mediated cytotoxicity	circRNA2801	PPP3CC	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA421	LOC102188320			
Inf 6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA422	LOC102188320			
Inf 6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA4366	PTPN11	-Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA504	CEP152	Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA5914	ITGAL	-Inf		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA626	MAPK1	4.87E+00		
6.10E-01						
ko04650	Natural killer cell mediated cytotoxicity	circRNA6440	MCTP2	-Inf		

ko04650	Natural killer cell mediated cytotoxicity	circRNA8182	VAV3	-Inf	
	6.10E-01				
ko04650	Natural killer cell mediated cytotoxicity	circRNA9764	PPP3CC	-Inf	
	6.10E-01				
ko04664	Fc epsilon RI signaling pathway	circRNA162	PLCG1	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA1639	MAPK9	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA1654	VAV1	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA2535	PIK3CA	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA2650	FYN	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA2865	BTK	-Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA2920	GAB3	-Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA4450	AKT3	-Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA626	MAPK1	4.87E+00	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA660	AKT3	Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA6823	MAPK9	-Inf	6.14E-01
ko04664	Fc epsilon RI signaling pathway	circRNA8182	VAV3	-Inf	6.14E-01
ko04730	Long-term depression	circRNA1308	ITPR1	Inf	6.14E-01
ko04730	Long-term depression	circRNA1940	ITPR2	Inf	6.14E-01
ko04730	Long-term depression	circRNA1941	ITPR2	Inf	6.14E-01
ko04730	Long-term depression	circRNA1943	ITPR2	Inf	6.14E-01
ko04730	Long-term depression	circRNA1944	ITPR2	Inf	6.14E-01
ko04730	Long-term depression	circRNA2102	BRAF	Inf	6.14E-01
ko04730	Long-term depression	circRNA2103	BRAF	Inf	6.14E-01
ko04730	Long-term depression	circRNA3043	PLCB4	-Inf	6.14E-01
ko04730	Long-term depression	circRNA4308	GUCY1B3	-Inf	6.14E-01
ko04730	Long-term depression	circRNA586	GUCY1B3	Inf	6.14E-01
ko04730	Long-term depression	circRNA6020	ITPR1	-Inf	6.14E-01
ko04730	Long-term depression	circRNA626	MAPK1	4.87E+00	6.14E-01
ko04730	Long-term depression	circRNA6440	MCTP2	-Inf	6.14E-01
ko04730	Long-term depression	circRNA6475	WHAMM	-Inf	6.14E-01
ko04730	Long-term depression	circRNA7657	ITPR2	-Inf	6.14E-01
ko04730	Long-term depression	circRNA7658	ITPR2	-Inf	6.14E-01
ko04730	Long-term depression	circRNA7665	ITPR2	-Inf	6.14E-01
ko04730	Long-term depression	circRNA7854	GNAI1	-Inf	6.14E-01
ko04730	Long-term depression	circRNA82	PLCB1	Inf	6.14E-01
ko04730	Long-term depression	circRNA83	PLCB4	Inf	6.14E-01
ko04111	Cell cycle - yeast	circRNA1425	RAD17	1.32E+00	6.35E-01
ko04111	Cell cycle - yeast	circRNA1460	NIPBL	Inf	6.35E-01
ko04111	Cell cycle - yeast	circRNA1708	TNIP1	Inf	6.35E-01
ko04111	Cell cycle - yeast	circRNA2169	CDC14A	1.69E+00	6.35E-01
ko04111	Cell cycle - yeast	circRNA2381	ORC2	Inf	6.35E-01
ko04111	Cell cycle - yeast	circRNA2673	ORC3	Inf	6.35E-01
ko04111	Cell cycle - yeast	circRNA2838	SMC2	Inf	6.35E-01

ko04111	Cell cycle - yeast	circRNA296	STRN	Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA297	STRN	Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA3485	ANAPC1	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA3486	ANAPC1	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA3579	STRN	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA4383	CHEK2	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA621	CHEK2	Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA6982	CDC23	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA7008	PPP2R2B	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA7210	ANAPC4	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA8187	CDC14A	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA8681	ORC2	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA8693	WDR12	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA9192	STAG1	-Inf	6.35E-01	
ko04111	Cell cycle - yeast	circRNA9193	STAG1	-Inf	6.35E-01	
ko05212	Pancreatic cancer	circRNA14	ARHGEF6	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA15	ARHGEF6	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA1639	MAPK9	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA1694	FAM13B	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA1697	FAM13B	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA1772	FAM13A	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA2102	BRAF	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA2103	BRAF	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA238	LOC102173015	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA239	LOC102173015	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA2535	PIK3CA	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA3943	SMAD3	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA4450	AKT3	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA4521	CASP9	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA4561	RGL1	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA626	MAPK1	4.87E+00	6.38E-01	
ko05212	Pancreatic cancer	circRNA660	AKT3	Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA6716	ARHGAP22	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA6823	MAPK9	-Inf	6.38E-01	
ko05212	Pancreatic cancer	circRNA715	RGL1	Inf	6.38E-01	
ko05219	Bladder cancer	circRNA1046	CDH1	Inf	6.42E-01	
ko05219	Bladder cancer	circRNA1896	MDM2	Inf	6.42E-01	
ko05219	Bladder cancer	circRNA2102	BRAF	Inf	6.42E-01	
ko05219	Bladder cancer	circRNA2103	BRAF	Inf	6.42E-01	
ko05219	Bladder cancer	circRNA5386	CDH1	-Inf	6.42E-01	
ko05219	Bladder cancer	circRNA626	MAPK1	4.87E+00	6.42E-01	
ko00230	Purine metabolism	circRNA1005	DDX42	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1012	PRPSAP1	-1.06E+00	6.49E-01	
ko00230	Purine metabolism	circRNA1022	HELZ	Inf	6.49E-01	

ko00230	Purine metabolism	circRNA1023	HELZ	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1024	HELZ	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1081	BTAF1	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1082	BTAF1	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1245	ADCY9	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1359	LOC102188365	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1429	ERBB2IP	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1430	ERBB2IP	1.09E+00	6.49E-01	
ko00230	Purine metabolism	circRNA1431	ERBB2IP	1.52E+00	6.49E-01	
ko00230	Purine metabolism	circRNA1432	ERBB2IP	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1433	ERBB2IP	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1438	PDE4D	1.10E+00	6.49E-01	
ko00230	Purine metabolism	circRNA183	VWA8	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA184	VWA8	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1858	NAV3	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1859	NAV3	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1860	NAV3	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA1986	TNRC6B	1.71E+00	6.49E-01	
ko00230	Purine metabolism	circRNA2143	GDAP2	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2144	GDAP2	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2196	AK5	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2364	ZRANB3	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2365	ZRANB3	-1.00E+00	6.49E-01	
ko00230	Purine metabolism	circRNA2399	ATIC	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2690	ENPP1	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2783	SMC5	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA2853	CDK5RAP2	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA3108	PRTFDC1	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA3301	VWA8	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA3307	VWA8	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA342	POLR1B	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA376	SMC6	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA4050	BNIP2	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA406	AK8	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA4308	GUCY1B3	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA4466	NME7	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA4908	PDE7A	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA5313	HELZ	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA5455	BTAF1	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA586	GUCY1B3	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA609	RASAL1	Inf	6.49E-01	
ko00230	Purine metabolism	circRNA6128	PRIM2	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA6129	PRIM2	-Inf	6.49E-01	
ko00230	Purine metabolism	circRNA6304	ERBB2IP	-Inf	6.49E-01	

ko00230	Purine metabolism	circRNA6307	ERBB2IP	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA6345	DHX29	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA6473	PDE8A	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA6547	ADAL	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA666	NME7	Inf	6.49E-01
ko00230	Purine metabolism	circRNA667	NME7	Inf	6.49E-01
ko00230	Purine metabolism	circRNA6701	ADK	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA6707	POLR3A	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA7439	NAV3	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA770	PDE3B	Inf	6.49E-01
ko00230	Purine metabolism	circRNA9547	PDE10A	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA9694	SMC5	-Inf	6.49E-01
ko00230	Purine metabolism	circRNA9903	C8H9orf43	-Inf	6.49E-01
ko00364	Fluorobenzoate degradation	circRNA1511	TBC1D2B	Inf	6.52E-01
ko00591	Linoleic acid metabolism	circRNA1028	WWOX	-1.04E+00	6.52E-01
ko00627	"1,4-Dichlorobenzene degradation"	circRNA1511	TBC1D2B	Inf	6.52E-01
ko00631	"1,2-Dichloroethane degradation"	circRNA1675	ALDH7A1	Inf	6.52E-01
ko00631	"1,2-Dichloroethane degradation"	circRNA1676	ALDH7A1	Inf	6.52E-01
ko04112	Cell cycle - Caulobacter	circRNA1034	LONP2	Inf	6.52E-01
ko04744	Phototransduction	circRNA4515	GNB1	-Inf	6.52E-01
ko00626	Naphthalene and anthracene degradation	circRNA2638	TRMT11	Inf	6.52E-01
ko00626	Naphthalene and anthracene degradation	circRNA2639	TRMT11	Inf	6.52E-01
ko04672	Intestinal immune network for IgA production	circRNA2310	ITGA4	Inf	6.52E-01
ko04672	Intestinal immune network for IgA production	circRNA2311	ITGA4	Inf	6.52E-01
ko00641	3-Chloroacrylic acid degradation	circRNA1675	ALDH7A1	Inf	6.52E-01
ko00641	3-Chloroacrylic acid degradation	circRNA1676	ALDH7A1	Inf	6.52E-01
ko00351	"1,1,1-Trichloro-2,2-bis"	circRNA2013	AGMO	Inf	6.52E-01
ko04666	Fc gamma R-mediated phagocytosis	ciRNA59	PPAP2A	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA1103	SH3PXD2A	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA162	PLCG1	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA1654	VAV1	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA1929	DNM1L	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA2082	WASL	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA2535	PIK3CA	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA2599	MX1	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA2920	GAB3	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA3809	ASAP2	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA3813	ASAP2	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA4450	AKT3	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA527	ZFYVE26	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA626	MAPK1	4.87E+00	6.53E-01

ko04666	Fc gamma R-mediated phagocytosis	circRNA6341	PPAP2A	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA6440	MCTP2	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA660	AKT3	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA6867	DNM2	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA7624	DNM1L	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA7625	DNM1L	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA8182	VAV3	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA8306	SGIP1	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA8705	PIKFYVE	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA929	S6K1	Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA9688	PIP5K1B	-Inf	6.53E-01
ko04666	Fc gamma R-mediated phagocytosis	circRNA9689	PIP5K1B	-Inf	6.53E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA1675	ALDH7A1	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA1676	ALDH7A1	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA1949	BCAT1	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA1950	BCAT1	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA1951	BCAT1	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA2296	HIBCH	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA2297	HIBCH	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA2379	LOC102187632	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA2631	BCKDHB	Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA6290	MCCC2	-Inf	6.58E-01
ko00280	"Valine, leucine and isoleucine degradation"	circRNA9201	PCCB	-Inf	6.58E-01
ko05100	Bacterial invasion of epithelial cells	circRNA1046	CDH1	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA166	ELMO2	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA1929	DNM1L	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA2082	WASL	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA2535	PIK3CA	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA2599	MX1	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA421	LOC102188320	Inf	6.62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA422	LOC102188320	Inf	6.62E-01

ko05100	Bacterial invasion of epithelial cells	circRNA4857	PTK2	-Inf	
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ko05100	Bacterial invasion of epithelial cells	circRNA504	CEP152	Inf	6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA5386	CDH1	-Inf	
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ko05100	Bacterial invasion of epithelial cells	circRNA6867	DNM2	-Inf	
					6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA6989	CTNNA1	-Inf	
					6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA7624	DNM1L	-Inf	
					6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA7625	DNM1L	-Inf	
					6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA7903	MET	-Inf	6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA7904	MET	-Inf	6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA8488	LIMS2	-Inf	
					6. 62E-01
ko05100	Bacterial invasion of epithelial cells	circRNA926	CLTC	Inf	6. 62E-01
ko04670	Leucyte transendothelial migration	circRNA1103	SH3PXD2A	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA1327	SLMAP	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA162	PLCG1	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA1654	VAV1	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2310	ITGA4	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2311	ITGA4	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2320	RAPGEF4	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2437	ITSN1	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2535	PIK3CA	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA2750	IFT74	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA311	PLEKHH2	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA4177	SIPA1L1	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA4366	PTPN11	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA4857	PTK2	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5058	STXBP4	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5059	STXBP4	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5061	STXBP4	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA531	SIPA1L1	Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5418	ACTN4	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5724	LOC102171022	-Inf	
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ko04670	Leucyte transendothelial migration	circRNA5725	LOC102171022	-Inf	
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ko04670	Leucyte transendothelial migration	circRNA5726	LOC102171022	-Inf	
					6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA5727	LOC102171022	-Inf	

6. 69E-01

ko04670	Leucyte transendothelial migration	circRNA5914	ITGAL	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA62	LOC102175938	Inf	

6. 69E-01

ko04670	Leucyte transendothelial migration	circRNA6440	MCTP2	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA6529	RALGAPA1	-Inf	

6. 69E-01

ko04670	Leucyte transendothelial migration	circRNA6989	CTNNA1	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA7854	GNAI1	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA8182	VAV3	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA8488	LIMS2	-Inf	6. 69E-01
ko04670	Leucyte transendothelial migration	circRNA8686	TRAK2	-Inf	6. 69E-01

ko05210 Colorectal cancer

ciRNA20	FOS	Inf	6. 74E-01
circRNA1639	MAPK9	Inf	6. 74E-01
circRNA2102	BRAF	Inf	6. 74E-01
circRNA2103	BRAF	Inf	6. 74E-01
circRNA2535	PIK3CA	Inf	6. 74E-01
circRNA3943	SMAD3	-Inf	6. 74E-01
circRNA411	APC	Inf	6. 74E-01
circRNA4450	AKT3	-Inf	6. 74E-01
circRNA4521	CASP9	-Inf	6. 74E-01
circRNA4561	RGL1	-Inf	6. 74E-01
circRNA626	MAPK1	4. 87E+00	6. 74E-01
circRNA660	AKT3	Inf	6. 74E-01
circRNA6823	MAPK9	-Inf	6. 74E-01
circRNA715	RGL1	Inf	6. 74E-01

ko00624 1- and 2-Methylnaphthalene degradation

circRNA1856	ZDHHC17	Inf	6. 80E-01
circRNA6768	ZDHHC13	-Inf	

6. 80E-01

ko00624	1- and 2-Methylnaphthalene degradation	circRNA7438	ZDHHC17	-Inf	
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6. 80E-01

ko00642	Ethylbenzene degradation	circRNA1856	ZDHHC17	Inf	6. 80E-01
ko00642	Ethylbenzene degradation	circRNA6768	ZDHHC13	-Inf	6. 80E-01
ko00642	Ethylbenzene degradation	circRNA7438	ZDHHC17	-Inf	6. 80E-01
ko00030	Pentose phosphate pathway	circRNA1012	PRPSAP1	-1. 06E+00	6. 80E-01
ko00030	Pentose phosphate pathway	circRNA9681	PGM5	-Inf	6. 80E-01
ko00532	Glycosaminoglycan biosynthesis - chondroitin sulfate	circRNA1162	CSGALNACT1	Inf	6. 80E-01
ko00532	Glycosaminoglycan biosynthesis - chondroitin sulfate	circRNA9350	DSE	-Inf	6. 80E-01

6. 80E-01

ko00480	Glutathione metabolism	circRNA1502	IDH2	1. 06E+00	7. 05E-01
ko00480	Glutathione metabolism	circRNA3215	GGT7	-Inf	7. 05E-01
ko00480	Glutathione metabolism	circRNA3216	GGT7	-Inf	7. 05E-01
ko00480	Glutathione metabolism	circRNA863	AZIN1	Inf	7. 05E-01

ko00010 Glycolysis / Gluconeogenesis	circRNA1587	HK1	Inf	7.05E-01
ko00010 Glycolysis / Gluconeogenesis	circRNA1675	ALDH7A1	Inf	7.05E-01
ko00010 Glycolysis / Gluconeogenesis	circRNA1676	ALDH7A1	Inf	7.05E-01
ko00010 Glycolysis / Gluconeogenesis	circRNA6680	HK1	-Inf	7.05E-01
ko00010 Glycolysis / Gluconeogenesis	circRNA9681	PGM5	-Inf	7.05E-01
ko04810 Regulation of actin cytoskeleton	ciRNA101	ABI2	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	ciRNA31	RDX	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	ciRNA45	BAIAP2	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA109	PIP4K2A	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1301	ITGA9	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1327	SLMAP	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA14	ARHGEF6	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1414	ARHGEF28	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1415	ARHGEF28	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1416	ARHGEF28		1.34E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1417	ARHGEF28		1.83E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1418	ARHGEF28		1.38E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1419	ARHGEF28		2.86E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA15	ARHGEF6	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1504	IQGAP1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA1654	VAV1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2019	ITGB8		1.00E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2082	WASL	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2102	BRAF	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2103	BRAF	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2282	CYFIP1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2301	ITGAV	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2305	NCKAP1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2308	NCKAP1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2309	NCKAP1	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2310	ITGA4	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2311	ITGA4	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2345	FMNL2	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2346	FMNL2		-1.14E+00
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA238	LOC102173015	Inf	
ko04810 Regulation of actin cytoskeleton				7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA239	LOC102173015	Inf	
ko04810 Regulation of actin cytoskeleton				7.08E-01

ko04810 Regulation of actin cytoskeleton	circRNA2535 PIK3CA	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA2604 DOPEY2		1.37E+00
7.08E-01			
ko04810 Regulation of actin cytoskeleton	circRNA2750 IFT74	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA311 PLEKHH2	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA3291 LOC102168917		-Inf
7.08E-01			
ko04810 Regulation of actin cytoskeleton	circRNA3292 LOC102168917		-Inf
7.08E-01			
ko04810 Regulation of actin cytoskeleton	circRNA3488 NPHP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA3489 NPHP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA3525 SLC9A2	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA3526 SLC9A2	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA411 APC	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA48 ARHGEF9	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA4857 PTK2	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5058 STXBP4	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5059 STXBP4	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5061 STXBP4	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5206 LASP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA527 ZFYVE26	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5418 ACTN4	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5724 LOC102171022		-Inf
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ko04810 Regulation of actin cytoskeleton	circRNA5725 LOC102171022		-Inf
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ko04810 Regulation of actin cytoskeleton	circRNA5726 LOC102171022		-Inf
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ko04810 Regulation of actin cytoskeleton	circRNA5727 LOC102171022		-Inf
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ko04810 Regulation of actin cytoskeleton	circRNA5914 ITGAL	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA5993 ITGA9	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA626 MAPK1		4.87E+00
7.08E-01			
ko04810 Regulation of actin cytoskeleton	circRNA6275 ARHGEF28		-Inf
7.08E-01			
ko04810 Regulation of actin cytoskeleton	circRNA6464 IQGAP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA7147 SEC24D	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA741 PDGFD	Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA8182 VAV3	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA8306 SGIP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA8474 CYFIP1	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA8488 LIMS2	-Inf	7.08E-01
ko04810 Regulation of actin cytoskeleton	circRNA8506 NCKAP1	-Inf	7.08E-01

ko04810	Regulation of actin cytoskeleton	circRNA8686	TRAK2	-Inf	7.08E-01
ko04810	Regulation of actin cytoskeleton	circRNA8705	PIKFYVE	-Inf	7.08E-01
ko04810	Regulation of actin cytoskeleton	circRNA9688	PIP5K1B	-Inf	7.08E-01
ko04810	Regulation of actin cytoskeleton	circRNA9689	PIP5K1B	-Inf	7.08E-01
ko05131	Shigellosis	circRNA1327	SLMAP	Inf	7.21E-01
ko05131	Shigellosis	circRNA1639	MAPK9	Inf	7.21E-01
ko05131	Shigellosis	circRNA166	ELMO2	Inf	7.21E-01
ko05131	Shigellosis	circRNA2082	WASL	Inf	7.21E-01
ko05131	Shigellosis	circRNA2661	ATG5	Inf	7.21E-01
ko05131	Shigellosis	circRNA2750	IFT74	Inf	7.21E-01
ko05131	Shigellosis	circRNA311	PLEKHH2	Inf	7.21E-01
ko05131	Shigellosis	circRNA3488	NPHP1	-Inf	7.21E-01
ko05131	Shigellosis	circRNA3489	NPHP1	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5058	STXBP4	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5059	STXBP4	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5061	STXBP4	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5491	BTRC	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5724	LOC102171022	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5725	LOC102171022	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5726	LOC102171022	-Inf	7.21E-01
ko05131	Shigellosis	circRNA5727	LOC102171022	-Inf	7.21E-01
ko05131	Shigellosis	circRNA6258	FBXW11	-Inf	7.21E-01
ko05131	Shigellosis	circRNA626	MAPK1	4.87E+00	7.21E-01
ko05131	Shigellosis	circRNA6823	MAPK9	-Inf	7.21E-01
ko05131	Shigellosis	circRNA7147	SEC24D	-Inf	7.21E-01
ko05131	Shigellosis	circRNA7931	NOD1	-Inf	7.21E-01
ko05131	Shigellosis	circRNA8306	SGIP1	-Inf	7.21E-01
ko05131	Shigellosis	circRNA8686	TRAK2	-Inf	7.21E-01
ko00903	Limonene and pinene degradation	circRNA1675	ALDH7A1	Inf	7.27E-01
ko00903	Limonene and pinene degradation	circRNA1676	ALDH7A1	Inf	7.27E-01
ko00903	Limonene and pinene degradation	circRNA1856	ZDHHC17	Inf	7.27E-01
ko00903	Limonene and pinene degradation	circRNA2013	AGMO	Inf	7.27E-01
ko00903	Limonene and pinene degradation	circRNA6768	ZDHHC13	-Inf	7.27E-01
ko00903	Limonene and pinene degradation	circRNA7438	ZDHHC17	-Inf	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA1569	MTR	Inf	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA1649	DNMT1	Inf	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA1650	DNMT1	Inf	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA627	ZC3H11A	3.59E+00	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA628	ZC3H11A	4.22E+00	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA6631	MTR	-Inf	7.27E-01
ko00270	Cysteine and methionine metabolism	circRNA7044	MAT2B	-Inf	7.27E-01
ko03018	RNA degradation	circRNA1476	PAPD7	Inf	7.27E-01

ko03018	RNA degradation	circRNA2096	CNOT4	Inf	7.27E-01	
ko03018	RNA degradation	circRNA2235	ZCCHC11	1.47E+00		7.27E-01
ko03018	RNA degradation	circRNA2236	ZCCHC11	1.23E+00		7.27E-01
ko03018	RNA degradation	circRNA6576	PAPOLA	-Inf		7.27E-01
ko04113	Meiosis - yeast	circRNA1425	RAD17	1.32E+00		7.28E-01
ko04113	Meiosis - yeast	circRNA1429	ERBB2IP	Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA1430	ERBB2IP	1.09E+00		7.28E-01
ko04113	Meiosis - yeast	circRNA1431	ERBB2IP	1.52E+00		7.28E-01
ko04113	Meiosis - yeast	circRNA1432	ERBB2IP	Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA1433	ERBB2IP	Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA2169	CDC14A	1.69E+00		7.28E-01
ko04113	Meiosis - yeast	circRNA2381	ORC2	Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA2673	ORC3	Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA3485	ANAPC1	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA3486	ANAPC1	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA6304	ERBB2IP	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA6307	ERBB2IP	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA6982	CDC23	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA7210	ANAPC4	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA8187	CDC14A	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA8269	PRKACB	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA8681	ORC2	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA9192	STAG1	-Inf		7.28E-01
ko04113	Meiosis - yeast	circRNA9193	STAG1	-Inf		7.28E-01
ko05200	Pathways in cancer	ciRNA20	FOS	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1046	CDH1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1111	ATRNL1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1114	ATRNL1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1115	ATRNL1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1217	PIAS2	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1311	MITF	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA162	PLCG1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1639	MAPK9	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA164	STK4	1.33E+00		7.32E-01
ko05200	Pathways in cancer	circRNA1694	FAM13B	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1697	FAM13B	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1772	FAM13A	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1896	MDM2	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA1920	HSP90B1	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA2069	GLI3	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA2102	BRAF	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA2103	BRAF	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA2191	SYDE2	Inf		7.32E-01
ko05200	Pathways in cancer	circRNA2235	ZCCHC11	1.47E+00		7.32E-01

ko05200	Pathways in cancer	circRNA2236	ZCCHC11	1.23E+00	7.32E-01
ko05200	Pathways in cancer	circRNA2301	ITGAV	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2404	STK36	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2535	PIK3CA	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2648	LAMA4	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2682	LAMA2	1.30E+00	7.32E-01
ko05200	Pathways in cancer	circRNA2683	LAMA2	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2684	LAMA2	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2685	LAMA2	1.83E+00	7.32E-01
ko05200	Pathways in cancer	circRNA2686	LAMA2	2.01E+00	7.32E-01
ko05200	Pathways in cancer	circRNA2687	LAMA2	2.94E+00	7.32E-01
ko05200	Pathways in cancer	circRNA2688	LAMA2	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA2828	PTCH1	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA3069	ANKRD26	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA3134	ARHGAP12	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA3255	STK4	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA3669	PAX8	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA3943	SMAD3	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA402	LAMC3	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA411	APC	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4139	LOC100861391	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4146	SYNE2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4147	SYNE2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4390	EIF4ENIF1	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4450	AKT3	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4465	FH	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4477	KIFAP3	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4478	KIFAP3	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4521	CASP9	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4561	RGL1	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4578	PTGS2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA4857	PTK2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA523	SYNE2	Inf	7.32E-01
ko05200	Pathways in cancer	circRNA524	SYNE2	3.00E+00	7.32E-01
ko05200	Pathways in cancer	circRNA5386	CDH1	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA5447	PTEN	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA5520	ATRNL1	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA5523	ATRNL1	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA5748	ARHGAP28	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA626	MAPK1	4.87E+00	7.32E-01
ko05200	Pathways in cancer	circRNA6440	MCTP2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA6485	ARNT2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA6486	ARNT2	-Inf	7.32E-01
ko05200	Pathways in cancer	circRNA6488	ARNT2	-Inf	7.32E-01

ko05200	Pathways in cancer	circRNA6489	ARNT2	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA660	AKT3	Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA6647	CCDC6	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA665	FH	Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA6716	ARHGAP22	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA672	KIFAP3	Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA674	KIFAP3	Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA6820	PPFIA1	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA6823	MAPK9	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA6989	CTNNA1	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA715	RGL1	Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA7883	LAMB1	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA7903	MET	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA7904	MET	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA9088	MECOM	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA9090	MECOM	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA9352	LAMA4	-Inf	7.32E-01	
ko05200	Pathways in cancer	circRNA9437	LAMA2	-Inf	7.32E-01	
ko04310	Wnt signaling pathway	circRNA1037	CHD9	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1123	WDR11	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1327	SLMAP	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1358	DAAM2	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA163	CHD6	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1639	MAPK9	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1765	PPP3CA	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1767	PPP3CA	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1970	LRP6	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA1972	LRP6	1.44E+00	7.36E-01	
ko04310	Wnt signaling pathway	circRNA2150	VANGL1	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA2235	ZCCHC11	1.47E+00	7.36E-01	
ko04310	Wnt signaling pathway	circRNA2236	ZCCHC11	1.23E+00	7.36E-01	
ko04310	Wnt signaling pathway	circRNA2750	IFT74	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA2801	PPP3CC	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA3043	PLCB4	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA311	PLEKHH2	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA3248	CHD6	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA3943	SMAD3	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA411	APC	Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA4182	PSEN1	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA4390	EIF4ENIF1	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA5058	STXBP4	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA5059	STXBP4	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA5061	STXBP4	-Inf	7.36E-01	
ko04310	Wnt signaling pathway	circRNA532	PSEN1	Inf	7.36E-01	

ko04310	Wnt signaling pathway	circRNA534	PSEN1	1.09E+00	7.36E-01
ko04310	Wnt signaling pathway	circRNA5359	CHD9	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA5491	BTRC	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA5724	LOC102171022	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA5725	LOC102171022	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA5726	LOC102171022	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA5727	LOC102171022	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA6258	FBXW11	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA6440	MCTP2	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA6823	MAPK9	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA810	LRP4	Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA82	PLCB1	Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA8269	PRKACB	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA83	PLCB4	Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA8686	TRAK2	-Inf	7.36E-01
ko04310	Wnt signaling pathway	circRNA9764	PPP3CC	-Inf	7.36E-01
ko00600	Sphingolipid metabolism	circRNA59	PPAP2A	Inf	7.46E-01
ko00600	Sphingolipid metabolism	circRNA4201	GALC	-Inf	7.46E-01
ko00600	Sphingolipid metabolism	circRNA5442	SGMS1	-Inf	7.46E-01
ko00600	Sphingolipid metabolism	circRNA5500	PDCD11	-Inf	7.46E-01
ko00600	Sphingolipid metabolism	circRNA5691	B4GALT6	-Inf	7.46E-01
ko00600	Sphingolipid metabolism	circRNA6341	PPAP2A	-Inf	7.46E-01
ko04745	Phototransduction - fly	circRNA2698	PHACTR2	2.51E+00	7.46E-01
ko04745	Phototransduction - fly	circRNA3043	PLCB4	-Inf	7.46E-01
ko04745	Phototransduction - fly	circRNA6211	DEK	-Inf	7.46E-01
ko04745	Phototransduction - fly	circRNA6440	MCTP2	-Inf	7.46E-01
ko04745	Phototransduction - fly	circRNA82	PLCB1	Inf	7.46E-01
ko04745	Phototransduction - fly	circRNA83	PLCB4	Inf	7.46E-01
ko04540	Gap junction	circRNA1245	ADCY9	Inf	7.46E-01
ko04540	Gap junction	circRNA1308	ITPR1	Inf	7.46E-01
ko04540	Gap junction	circRNA1940	ITPR2	Inf	7.46E-01
ko04540	Gap junction	circRNA1941	ITPR2	Inf	7.46E-01
ko04540	Gap junction	circRNA1943	ITPR2	Inf	7.46E-01
ko04540	Gap junction	circRNA1944	ITPR2	Inf	7.46E-01
ko04540	Gap junction	circRNA3043	PLCB4	-Inf	7.46E-01
ko04540	Gap junction	circRNA4308	GUCY1B3	-Inf	7.46E-01
ko04540	Gap junction	circRNA586	GUCY1B3	Inf	7.46E-01
ko04540	Gap junction	circRNA6020	ITPR1	-Inf	7.46E-01
ko04540	Gap junction	circRNA626	MAPK1	4.87E+00	7.46E-01
ko04540	Gap junction	circRNA6440	MCTP2	-Inf	7.46E-01
ko04540	Gap junction	circRNA741	PDGFD	Inf	7.46E-01
ko04540	Gap junction	circRNA7657	ITPR2	-Inf	7.46E-01
ko04540	Gap junction	circRNA7658	ITPR2	-Inf	7.46E-01
ko04540	Gap junction	circRNA7665	ITPR2	-Inf	7.46E-01

ko04540	Gap junction	circRNA7854	GNAI1	-Inf	7.46E-01	
ko04540	Gap junction	circRNA82	PLCB1	Inf	7.46E-01	
ko04540	Gap junction	circRNA8269	PRKACB	-Inf	7.46E-01	
ko04540	Gap junction	circRNA83	PLCB4	Inf	7.46E-01	
ko05213	Endometrial cancer	circRNA1046	CDH1	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA2102	BRAF	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA2103	BRAF	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA2535	PIK3CA	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA411	APC	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA4450	AKT3	-Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA4521	CASP9	-Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA5386	CDH1	-Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA5447	PTEN	-Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA626	MAPK1	4.87E+00	7.60E-01	
ko05213	Endometrial cancer	circRNA660	AKT3	Inf	7.60E-01	
ko05213	Endometrial cancer	circRNA6989	CTNNA1	-Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA1765	PPP3CA	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA1767	PPP3CA	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA1906	APAF1	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2114	RBM33	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2235	ZCCHC11	1.47E+00	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2236	ZCCHC11	1.23E+00	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2606	TTC3	1.15E+00	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2608	TTC3	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA2801	PPP3CC	Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA4521	CASP9	-Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA627	ZC3H11A	3.59E+00	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA628	ZC3H11A	4.22E+00	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA7578	APAF1	-Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA8306	SGIP1	-Inf	7.60E-01	
ko05014	Amyotrophic lateral sclerosis	circRNA9764	PPP3CC	-Inf	7.60E-01	
ko05211	Renal cell carcinoma	circRNA2102	BRAF	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA2103	BRAF	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA2235	ZCCHC11	1.47E+00	7.63E-01	
ko05211	Renal cell carcinoma	circRNA2236	ZCCHC11	1.23E+00	7.63E-01	
ko05211	Renal cell carcinoma	circRNA2535	PIK3CA	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA4139	LOC100861391	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA4366	PTPN11	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA4390	EIF4ENIF1	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA4450	AKT3	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA4465	FH	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA626	MAPK1	4.87E+00	7.63E-01	
ko05211	Renal cell carcinoma	circRNA6485	ARNT2	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA6486	ARNT2	-Inf	7.63E-01	

ko05211	Renal cell carcinoma	circRNA6488	ARNT2	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA6489	ARNT2	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA660	AKT3	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA665	FH	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA711	RALGPS2	Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA7903	MET	-Inf	7.63E-01	
ko05211	Renal cell carcinoma	circRNA7904	MET	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA162	PLCG1	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA1765	PPP3CA	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA1767	PPP3CA	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA1814	KDR	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA2535	PIK3CA	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA2801	PPP3CC	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA4450	AKT3	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA4521	CASP9	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA4578	PTGS2	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA4857	PTK2	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA626	MAPK1	4.87E+00	7.63E-01	
ko04370	VEGF signaling pathway	circRNA6440	MCTP2	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA660	AKT3	Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA8488	LIMS2	-Inf	7.63E-01	
ko04370	VEGF signaling pathway	circRNA9764	PPP3CC	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA2134	IL6R	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA2310	ITGA4	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA2311	ITGA4	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA2549	MME	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA2551	MME	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA3510	IL1R1	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA3511	IL1R1	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA3517	IL1R1	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA4700	CD3G	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA630	CD55	Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA9110	MME	-Inf	7.63E-01	
ko04640	Hematopoietic cell lineage	circRNA9113	MME	-Inf	7.63E-01	
ko04722	Neurotrophin signaling pathway	ciRNA43	MAP3K3	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA1174	DOK6	1.90E+00	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA162	PLCG1	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA1639	MAPK9	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA1883	IRAK4	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA1884	IRAK4	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA2102	BRAF	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA2103	BRAF	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA2535	PIK3CA	Inf	7.68E-01	
ko04722	Neurotrophin signaling pathway	circRNA26	RPS6KA6	Inf	7.68E-01	

ko04722	Neurotrophin signaling pathway	circRNA3488	NPHP1	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA3489	NPHP1	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA4182	PSEN1	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA421	LOC102188320	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA4215	RPS6KA5	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA422	LOC102188320	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA4366	PTPN11	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA4450	AKT3	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA4590	RPS6KC1	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA504	CEP152	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA532	PSEN1	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA534	PSEN1	1.09E+00	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA626	MAPK1	4.87E+00	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA660	AKT3	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA6823	MAPK9	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA711	RALGPS2	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA7127	CAMK4	-Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA729	RPS6KC1	Inf	7.68E-01
ko04722	Neurotrophin signaling pathway	circRNA74	RPS6KA3	Inf	7.68E-01
ko00533	Glycosaminoglycan biosynthesis - keratan sulfate	circRNA2424	ARMC9	Inf	7.82E-01
ko00533	Glycosaminoglycan biosynthesis - keratan sulfate	circRNA2492	B4GALT4	Inf	7.82E-01
ko03060	Protein export	circRNA1013	SRP68	Inf	7.82E-01
ko03060	Protein export	circRNA1505	SEC11A	Inf	7.82E-01
ko00260	"Glycine, serine and threonine metabolism"	circRNA3004	MAOB	-Inf	7.82E-01
ko00260	"Glycine, serine and threonine metabolism"	circRNA3912	DMGDH	-Inf	7.82E-01
ko04742	Taste transduction	circRNA4515	GNB1	-Inf	7.82E-01
ko04742	Taste transduction	circRNA8269	PRKACB	-Inf	7.82E-01
ko05322	Systemic lupus erythematosus	circRNA1655	C3	Inf	7.87E-01
ko05322	Systemic lupus erythematosus	circRNA5418	ACTN4	-Inf	7.87E-01
ko05322	Systemic lupus erythematosus	circRNA6974	LOC102178535	-Inf	7.87E-01
ko03010	Ribosome	circRNA3940	RPL4	-Inf	7.87E-01
ko03010	Ribosome	circRNA7037	MRPL22	-Inf	7.87E-01
ko03010	Ribosome	circRNA8929	RPL24	-Inf	7.87E-01
ko05222	Small cell lung cancer	circRNA1111	ATRNL1	Inf	7.91E-01
ko05222	Small cell lung cancer	circRNA1114	ATRNL1	Inf	7.91E-01
ko05222	Small cell lung cancer	circRNA1115	ATRNL1	Inf	7.91E-01
ko05222	Small cell lung cancer	circRNA1217	PIAS2	Inf	7.91E-01
ko05222	Small cell lung cancer	circRNA1906	APAF1	Inf	7.91E-01
ko05222	Small cell lung cancer	circRNA2301	ITGAV	Inf	7.91E-01

ko05222	Small cell lung cancer	circRNA2535	PIK3CA	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA2648	LAMA4	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA2682	LAMA2	1.30E+00		7.91E-01
ko05222	Small cell lung cancer	circRNA2683	LAMA2	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA2684	LAMA2	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA2685	LAMA2	1.83E+00		7.91E-01
ko05222	Small cell lung cancer	circRNA2686	LAMA2	2.01E+00		7.91E-01
ko05222	Small cell lung cancer	circRNA2687	LAMA2	2.94E+00		7.91E-01
ko05222	Small cell lung cancer	circRNA2688	LAMA2	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA402	LAMC3	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA4450	AKT3	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA4521	CASP9	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA4578	PTGS2	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA4857	PTK2	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA5447	PTEN	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA5520	ATRNL1	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA5523	ATRNL1	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA660	AKT3	Inf	7.91E-01	
ko05222	Small cell lung cancer	circRNA7578	APAF1	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA7883	LAMB1	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA9352	LAMA4	-Inf		7.91E-01
ko05222	Small cell lung cancer	circRNA9437	LAMA2	-Inf		7.91E-01
ko04530	Tight junction	ciRNA294	PARD3B	-Inf		7.93E-01
ko04530	Tight junction	ciRNA95	ASH1L	Inf	7.93E-01	
ko04530	Tight junction	circRNA119	RSU1	Inf	7.93E-01	
ko04530	Tight junction	circRNA1198	EPB41L3	Inf	7.93E-01	
ko04530	Tight junction	circRNA1317	MAGI1	1.25E+00		7.93E-01
ko04530	Tight junction	circRNA1327	SLMAP	Inf	7.93E-01	
ko04530	Tight junction	circRNA1423	BDP1	2.71E+00		7.93E-01
ko04530	Tight junction	circRNA1424	BDP1	Inf	7.93E-01	
ko04530	Tight junction	circRNA1593	DLG5	1.20E+00		7.93E-01
ko04530	Tight junction	circRNA1694	FAM13B	Inf	7.93E-01	
ko04530	Tight junction	circRNA1697	FAM13B	Inf	7.93E-01	
ko04530	Tight junction	circRNA1772	FAM13A	Inf	7.93E-01	
ko04530	Tight junction	circRNA1824	USO1	Inf	7.93E-01	
ko04530	Tight junction	circRNA2056	TAX1BP1	Inf	7.93E-01	
ko04530	Tight junction	circRNA2062	MPP6	Inf	7.93E-01	
ko04530	Tight junction	circRNA2099	LUC7L2	Inf	7.93E-01	
ko04530	Tight junction	circRNA2127	ASH1L	-1.28E+00		7.93E-01
ko04530	Tight junction	circRNA2130	ASH1L	Inf	7.93E-01	
ko04530	Tight junction	circRNA2132	ASH1L	Inf	7.93E-01	
ko04530	Tight junction	circRNA2179	EVI5	Inf	7.93E-01	
ko04530	Tight junction	circRNA2182	EVI5	1.48E+00		7.93E-01
ko04530	Tight junction	circRNA2217	INADL	Inf	7.93E-01	

ko04530	Tight junction	circRNA2390	PARD3B	Inf	7.93E-01	
ko04530	Tight junction	circRNA2427	EPB41	Inf	7.93E-01	
ko04530	Tight junction	circRNA2437	ITSN1	Inf	7.93E-01	
ko04530	Tight junction	circRNA2545	LEKR1	Inf	7.93E-01	
ko04530	Tight junction	circRNA2750	IFT74	Inf	7.93E-01	
ko04530	Tight junction	circRNA2901	UTP14A	-Inf	7.93E-01	
ko04530	Tight junction	circRNA3083	PARD3	-Inf	7.93E-01	
ko04530	Tight junction	circRNA3088	PARD3	-Inf	7.93E-01	
ko04530	Tight junction	circRNA3090	PARD3	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4138	PRKCH	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4156	MPP5	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4335	CCDC62	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4351	IFT81	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4450	AKT3	-Inf	7.93E-01	
ko04530	Tight junction	circRNA4762	PPFIBP2	-Inf	7.93E-01	
ko04530	Tight junction	circRNA526	MPP5	Inf	7.93E-01	
ko04530	Tight junction	circRNA5418	ACTN4	-Inf	7.93E-01	
ko04530	Tight junction	circRNA5447	PTEN	-Inf	7.93E-01	
ko04530	Tight junction	circRNA5646	HOOK3	-Inf	7.93E-01	
ko04530	Tight junction	circRNA5986	LRRFIP2	-Inf	7.93E-01	
ko04530	Tight junction	circRNA604	IFT81	Inf	7.93E-01	
ko04530	Tight junction	circRNA6291	BDP1	-Inf	7.93E-01	
ko04530	Tight junction	circRNA6292	BDP1	-Inf	7.93E-01	
ko04530	Tight junction	circRNA6294	BDP1	-Inf	7.93E-01	
ko04530	Tight junction	circRNA638	MIA3	Inf	7.93E-01	
ko04530	Tight junction	circRNA6396	RAI14	-Inf	7.93E-01	
ko04530	Tight junction	circRNA6440	MCTP2	-Inf	7.93E-01	
ko04530	Tight junction	circRNA6490	IL16	-Inf	7.93E-01	
ko04530	Tight junction	circRNA660	AKT3	Inf	7.93E-01	
ko04530	Tight junction	circRNA6989	CTNNA1	-Inf	7.93E-01	
ko04530	Tight junction	circRNA7	LOC102188568	1.05E+00	7.93E-01	
ko04530	Tight junction	circRNA7008	PPP2R2B	-Inf	7.93E-01	
ko04530	Tight junction	circRNA784	SWAP70	Inf	7.93E-01	
ko04530	Tight junction	circRNA785	SWAP70	Inf	7.93E-01	
ko04530	Tight junction	circRNA7854	GNAI1	-Inf	7.93E-01	
ko04530	Tight junction	circRNA79	OFD1	Inf	7.93E-01	
ko04530	Tight junction	circRNA80	OFD1	Inf	7.93E-01	
ko04530	Tight junction	circRNA8032	LUC7L2	-Inf	7.93E-01	
ko04530	Tight junction	circRNA81	OFD1	Inf	7.93E-01	
ko04530	Tight junction	circRNA8265	ODF2L	-Inf	7.93E-01	
ko04530	Tight junction	circRNA9082	PRKCI	-Inf	7.93E-01	
ko04530	Tight junction	circRNA9798	GKAP1	-Inf	7.93E-01	
ko00531	Glycosaminoglycan degradation	circRNA3910	ARSB	-Inf	7.94E-01	
ko00630	Glyoxylate and dicarboxylate metabolism	circRNA2713	LOC102188948	Inf		

7.94E-01

ko00960	"Tropane, piperidine and pyridine alkaloid biosynthesis"	circRNA6452			
	ABHD2	-Inf	7.94E-01		
ko00140	Steroid hormone biosynthesis	circRNA2489	SPICE1	Inf	7.94E-01
ko00140	Steroid hormone biosynthesis	circRNA2490	SPICE1	Inf	7.94E-01
ko00623	"2,4-Dichlorobenzoate degradation"	circRNA6452	ABHD2	-Inf	7.94E-01
ko00053	Ascorbate and aldarate metabolism	circRNA1675	ALDH7A1	Inf	7.94E-01
ko00053	Ascorbate and aldarate metabolism	circRNA1676	ALDH7A1	Inf	7.94E-01
ko00360	Phenylalanine metabolism	circRNA3004	MAOB	-Inf	7.94E-01
ko00361	gamma-Hexachlorocyclohexane degradation	circRNA1511	TBC1D2B	Inf	7.94E-01
ko00750	Vitamin B6 metabolism	circRNA2379	LOC102187632	Inf	7.94E-01
ko04520	Adherens junction	ciRNA294	PAR3B	-Inf	7.95E-01
ko04520	Adherens junction	ciRNA45	BAIAP2	Inf	7.95E-01
ko04520	Adherens junction	circRNA1046	CDH1	Inf	7.95E-01
ko04520	Adherens junction	circRNA1889	PTPRB	Inf	7.95E-01
ko04520	Adherens junction	circRNA1890	PTPRB	Inf	7.95E-01
ko04520	Adherens junction	circRNA1891	PTPRB	Inf	7.95E-01
ko04520	Adherens junction	circRNA2082	WASL	Inf	7.95E-01
ko04520	Adherens junction	circRNA2235	ZCCHC11	1.47E+00	7.95E-01
ko04520	Adherens junction	circRNA2236	ZCCHC11	1.23E+00	7.95E-01
ko04520	Adherens junction	circRNA2390	PAR3B	Inf	7.95E-01
ko04520	Adherens junction	circRNA2437	ITSN1	Inf	7.95E-01
ko04520	Adherens junction	circRNA2650	FYN	Inf	7.95E-01
ko04520	Adherens junction	circRNA3083	PAR3	-Inf	7.95E-01
ko04520	Adherens junction	circRNA3088	PAR3	-Inf	7.95E-01
ko04520	Adherens junction	circRNA3090	PAR3	-Inf	7.95E-01
ko04520	Adherens junction	circRNA3449	FARP1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA3450	FARP1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA3943	SMAD3	-Inf	7.95E-01
ko04520	Adherens junction	circRNA4390	EIF4ENIF1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA5386	CDH1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA5418	ACTN4	-Inf	7.95E-01
ko04520	Adherens junction	circRNA5471	SORBS1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA626	MAPK1	4.87E+00	7.95E-01
ko04520	Adherens junction	circRNA6989	CTNNA1	-Inf	7.95E-01
ko04520	Adherens junction	circRNA7903	MET	-Inf	7.95E-01
ko04520	Adherens junction	circRNA7904	MET	-Inf	7.95E-01
ko03440	Homologous recombination	circRNA1662	RAD50	Inf	7.95E-01
ko03440	Homologous recombination	circRNA896	FSBP	Inf	7.95E-01
ko03440	Homologous recombination	circRNA901	NBN	Inf	7.95E-01
ko03440	Homologous recombination	circRNA902	NBN	Inf	7.95E-01
ko03440	Homologous recombination	circRNA903	NBN	Inf	7.95E-01
ko03440	Homologous recombination	circRNA9829	ERCC6L2	-Inf	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA3069	ANKRD26	-Inf	7.95E-01

ko04011	MAPK signaling pathway - yeast	circRNA4146	SYNE2	-Inf	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA4147	SYNE2	-Inf	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA523	SYNE2	Inf	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA524	SYNE2	3.00E+00	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA6440	MCTP2	-Inf	7.95E-01
ko04011	MAPK signaling pathway - yeast	circRNA7167	TBCK	-Inf	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA2646	ROS1	2.18E+00	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA2647	ROS1	Inf	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA3474	RASA3	-Inf	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA4366	PTPN11	-Inf	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA626	MAPK1	4.87E+00	7.95E-01
ko04013	MAPK signaling pathway - fly	circRNA9342	ROS1	-Inf	7.95E-01
ko00500	Starch and sucrose metabolism	circRNA149	TM9SF4	Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA1587	HK1	Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA2690	ENPP1	Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA351	UGP2	-1.12E+00	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA3993	GANC	-Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA3994	GANC	-Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA4516	SPEN	-Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA463	GANC	Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA6680	HK1	-Inf	8.25E-01
ko00500	Starch and sucrose metabolism	circRNA9681	PGM5	-Inf	8.25E-01
ko04330	Notch signaling pathway	circRNA1067	NUMBL	2.18E+00	8.35E-01
ko04330	Notch signaling pathway	circRNA2235	ZCCHC11	1.47E+00	8.35E-01
ko04330	Notch signaling pathway	circRNA2236	ZCCHC11	1.23E+00	8.35E-01
ko04330	Notch signaling pathway	circRNA2342	BAZ2B	Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA4182	PSEN1	-Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA4390	EIF4ENIF1	-Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA532	PSEN1	Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA534	PSEN1	1.09E+00	8.35E-01
ko04330	Notch signaling pathway	circRNA592	NCOR2	Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA8139	NOTCH2	-Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA8585	BAZ2B	-Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA9277	KAT2B	-Inf	8.35E-01
ko04330	Notch signaling pathway	circRNA9279	KAT2B	-Inf	8.35E-01
ko04210	Apoptosis	circRNA1395	RIPK1	Inf	8.38E-01
ko04210	Apoptosis	circRNA1765	PPP3CA	Inf	8.38E-01
ko04210	Apoptosis	circRNA1767	PPP3CA	Inf	8.38E-01
ko04210	Apoptosis	circRNA1883	IRAK4	Inf	8.38E-01
ko04210	Apoptosis	circRNA1884	IRAK4	Inf	8.38E-01
ko04210	Apoptosis	circRNA1906	APAF1	Inf	8.38E-01
ko04210	Apoptosis	circRNA2034	PRKAR2B	Inf	8.38E-01
ko04210	Apoptosis	circRNA2522	IL1RAP	Inf	8.38E-01
ko04210	Apoptosis	circRNA2535	PIK3CA	Inf	8.38E-01

ko04210	Apoptosis	circRNA2801	PPP3CC	Inf	8.38E-01	
ko04210	Apoptosis	circRNA3510	IL1R1	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA3511	IL1R1	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA3517	IL1R1	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA4450	AKT3	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA4521	CASP9	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA660	AKT3	Inf	8.38E-01	
ko04210	Apoptosis	circRNA7578	APAF1	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA8269	PRKACB	-Inf	8.38E-01	
ko04210	Apoptosis	circRNA9764	PPP3CC	-Inf	8.38E-01	
ko05220	Chronic myeloid leukemia	circRNA1896	MDM2	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA2102	BRAF	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA2103	BRAF	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA2191	SYDE2	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA2535	PIK3CA	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA2920	GAB3	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA3134	ARHGAP12	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA421	LOC102188320	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA422	LOC102188320	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA4366	PTPN11	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA4450	AKT3	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA504	CEP152	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA5748	ARHGAP28	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA626	MAPK1	4.87E+00	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA660	AKT3	Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA9088	MECOM	-Inf	8.47E-01	
ko05220	Chronic myeloid leukemia	circRNA9090	MECOM	-Inf	8.47E-01	
ko00565	Ether lipid metabolism	circRNA59	PPAP2A	Inf	8.48E-01	
ko00565	Ether lipid metabolism	circRNA2317	AGPS	Inf	8.48E-01	
ko00565	Ether lipid metabolism	circRNA6341	PPAP2A	-Inf	8.48E-01	
ko00565	Ether lipid metabolism	circRNA8524	AGPS	-Inf	8.48E-01	
ko00565	Ether lipid metabolism	circRNA8528	AGPS	-Inf	8.48E-01	
ko00565	Ether lipid metabolism	circRNA907	ENPP2	Inf	8.48E-01	
ko05020	Prion diseases	circRNA2650	FYN	Inf	8.48E-01	
ko05020	Prion diseases	circRNA626	MAPK1	4.87E+00	8.48E-01	
ko05020	Prion diseases	circRNA8269	PRKACB	-Inf	8.48E-01	
ko04514	Cell adhesion molecules	circRNA1045	CDH3	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA1046	CDH1	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA1301	ITGA9	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA2019	ITGB8	1.00E+00	8.52E-01	
ko04514	Cell adhesion molecules	circRNA2038	NRCAM	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA2039	NRCAM	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA2301	ITGAV	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA2310	ITGA4	Inf	8.52E-01	

ko04514	Cell adhesion molecules	circRNA2311	ITGA4	Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA4693	CADM1	-Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA5386	CDH1	-Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA5914	ITGAL	-Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA5993	ITGA9	-Inf	8.52E-01	
ko04514	Cell adhesion molecules	circRNA8934	ALCAM	-Inf	8.52E-01	
ko05214	Glioma	circRNA162	PLCG1	Inf	8.52E-01	
ko05214	Glioma	circRNA1896	MDM2	Inf	8.52E-01	
ko05214	Glioma	circRNA2102	BRAF	Inf	8.52E-01	
ko05214	Glioma	circRNA2103	BRAF	Inf	8.52E-01	
ko05214	Glioma	circRNA2535	PIK3CA	Inf	8.52E-01	
ko05214	Glioma	circRNA421	LOC102188320	Inf	8.52E-01	
ko05214	Glioma	circRNA422	LOC102188320	Inf	8.52E-01	
ko05214	Glioma	circRNA4450	AKT3	-Inf	8.52E-01	
ko05214	Glioma	circRNA504	CEP152	Inf	8.52E-01	
ko05214	Glioma	circRNA5447	PTEN	-Inf	8.52E-01	
ko05214	Glioma	circRNA626	MAPK1	4.87E+00	8.52E-01	
ko05214	Glioma	circRNA6440	MCTP2	-Inf	8.52E-01	
ko05214	Glioma	circRNA660	AKT3	Inf	8.52E-01	
ko00650	Butanoate metabolism	circRNA1028	WWOX	-1.04E+00	8.54E-01	
ko00650	Butanoate metabolism	circRNA1675	ALDH7A1	Inf	8.54E-01	
ko00650	Butanoate metabolism	circRNA1676	ALDH7A1	Inf	8.54E-01	
ko00534	Glycosaminoglycan biosynthesis - heparan sulfate	circRNA4961	EXT1	-Inf	8.54E-01	
ko00534	Glycosaminoglycan biosynthesis - heparan sulfate	circRNA805	EXT2	Inf	8.54E-01	
ko03050	Proteasome	circRNA329	PSME4	Inf	8.54E-01	
ko03050	Proteasome	circRNA330	PSME4	Inf	8.54E-01	
ko03050	Proteasome	circRNA8761	PSMD1	-Inf	8.54E-01	
ko00240	Pyrimidine metabolism	circRNA342	POLR1B	Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA4466	NME7	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA609	RASAL1	Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA6128	PRIM2	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA6129	PRIM2	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA666	NME7	Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA667	NME7	Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA6707	POLR3A	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA8201	DPYD	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA8202	DPYD	-Inf	8.64E-01	
ko00240	Pyrimidine metabolism	circRNA9903	C8H9orf43	-Inf	8.64E-01	
ko04620	Toll-like receptor signaling pathway	circRNA20	FOS	Inf	8.76E-01	
ko04620	Toll-like receptor signaling pathway	circRNA1395	RIPK1	Inf	8.76E-01	
ko04620	Toll-like receptor signaling pathway	circRNA1639	MAPK9	Inf	8.76E-01	
ko04620	Toll-like receptor signaling pathway	circRNA1825	CXCL9	Inf	8.76E-01	

ko04620 Toll-like receptor signaling pathway	circRNA1883 IRAK4	Inf 8.76E-01
ko04620 Toll-like receptor signaling pathway	circRNA1884 IRAK4	Inf 8.76E-01
ko04620 Toll-like receptor signaling pathway	circRNA2439 IFNAR1	Inf 8.76E-01
ko04620 Toll-like receptor signaling pathway	circRNA2535 PIK3CA	Inf 8.76E-01
ko04620 Toll-like receptor signaling pathway	circRNA4450 AKT3	-Inf
8.76E-01		
ko04620 Toll-like receptor signaling pathway	circRNA626 MAPK1	4.87E+00
8.76E-01		
ko04620 Toll-like receptor signaling pathway	circRNA660 AKT3	Inf 8.76E-01
ko04620 Toll-like receptor signaling pathway	circRNA6823 MAPK9	-Inf
8.76E-01		
ko00860 Porphyrin and chlorophyll metabolism	circRNA5899 EARS2	-Inf
8.79E-01		
ko00440 Phosphonate and phosphinate metabolism	circRNA9016 PCYT1A	-Inf
8.79E-01		
ko05215 Prostate cancer	circRNA1896 MDM2	Inf 8.81E-01
ko05215 Prostate cancer	circRNA1920 HSP90B1	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2102 BRAF	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2103 BRAF	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2235 ZCCHC11	1.47E+00 8.81E-01
ko05215 Prostate cancer	circRNA2236 ZCCHC11	1.23E+00 8.81E-01
ko05215 Prostate cancer	circRNA2392 CREB1	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2489 SPICE1	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2490 SPICE1	Inf 8.81E-01
ko05215 Prostate cancer	circRNA2535 PIK3CA	Inf 8.81E-01
ko05215 Prostate cancer	circRNA4390 EIF4ENIF1	-Inf 8.81E-01
ko05215 Prostate cancer	circRNA4450 AKT3	-Inf 8.81E-01
ko05215 Prostate cancer	circRNA4521 CASP9	-Inf 8.81E-01
ko05215 Prostate cancer	circRNA5447 PTEN	-Inf 8.81E-01
ko05215 Prostate cancer	circRNA626 MAPK1	4.87E+00 8.81E-01
ko05215 Prostate cancer	circRNA660 AKT3	Inf 8.81E-01
ko05215 Prostate cancer	circRNA741 PDGFD	Inf 8.81E-01
ko05215 Prostate cancer	circRNA7939 CREB5	-Inf 8.81E-01
ko04930 Type II diabetes mellitus	circRNA1587 HK1	Inf 8.91E-01
ko04930 Type II diabetes mellitus	circRNA1639 MAPK9	Inf 8.91E-01
ko04930 Type II diabetes mellitus	circRNA2535 PIK3CA	Inf 8.91E-01
ko04930 Type II diabetes mellitus	circRNA626 MAPK1	4.87E+00 8.91E-01
ko04930 Type II diabetes mellitus	circRNA6680 HK1	-Inf 8.91E-01
ko04930 Type II diabetes mellitus	circRNA6823 MAPK9	-Inf 8.91E-01
ko05120 Epithelial cell signaling in Helicobacter pylori infection	circRNA162	
PLCG1	Inf 8.99E-01	
ko05120 Epithelial cell signaling in Helicobacter pylori infection	circRNA1639	
MAPK9	Inf 8.99E-01	
ko05120 Epithelial cell signaling in Helicobacter pylori infection	circRNA2491	

ATP6V1A Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA3488
NPHP1 -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA3489
NPHP1 -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA4366
PTPN11 -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA593
ATP6VOA2 1.63E+00 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA594
ATP6VOA2 Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA6823
MAPK9 -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA7903
MET -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA7904
MET -Inf 8.99E-01

ko05120 Epithelial cell signaling in Helicobacter pylori infection circRNA7931
NOD1 -Inf 8.99E-01

ko04320 Dorso-ventral axis formation circRNA1083 CPEB3 Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA1084 CPEB3 Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA1085 CPEB3 Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA1213 SPIRE1 1.86E+00 9.03E-01

ko04320 Dorso-ventral axis formation circRNA1291 RBMS3 Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA1407 CPEB4 Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA3889 SIMC1 -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA626 MAPK1 4.87E+00 9.03E-01

ko04320 Dorso-ventral axis formation circRNA6265 CPEB4 -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA8139 NOTCH2 -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA8796 HNRNPR -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA8797 HNRNPR -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA8798 HNRNPR -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA8799 HNRNPR -Inf 9.03E-01

ko04320 Dorso-ventral axis formation circRNA9419 SYNCRIP -Inf 9.03E-01

ko04912 GnRH signaling pathway ciRNA43 MAP3K3 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1245 ADCY9 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1308 ITPR1 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1639 MAPK9 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1940 ITPR2 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1941 ITPR2 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1943 ITPR2 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA1944 ITPR2 Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA3043 PLCB4 -Inf 9.03E-01

ko04912 GnRH signaling pathway circRNA6020 ITPR1 -Inf 9.03E-01

ko04912	GnRH signaling pathway	circRNA626	MAPK1	4.87E+00	9.03E-01
ko04912	GnRH signaling pathway	circRNA6823	MAPK9	-Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA7657	ITPR2	-Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA7658	ITPR2	-Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA7665	ITPR2	-Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA82	PLCB1	Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA8269	PRKACB	-Inf	9.03E-01
ko04912	GnRH signaling pathway	circRNA83	PLCB4	Inf	9.03E-01
ko00632	Benzoate degradation via CoA ligation	circRNA1856	ZDHHC17	Inf	9.04E-01
ko00632	Benzoate degradation via CoA ligation	circRNA6768	ZDHHC13	-Inf	9.04E-01
ko00632	Benzoate degradation via CoA ligation	circRNA7438	ZDHHC17	-Inf	9.04E-01
ko04612	Antigen processing and presentation	circRNA2392	CREB1	Inf	9.04E-01
ko04612	Antigen processing and presentation	circRNA6959	HSPA4	-Inf	9.04E-01
ko04612	Antigen processing and presentation	circRNA6960	HSPA4	-Inf	9.04E-01
ko04662	B cell receptor signaling pathway	ciRNA20	FOS	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA1654	VAV1	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA1765	PPP3CA	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA1767	PPP3CA	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA1927	CARD10	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA2535	PIK3CA	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA2801	PPP3CC	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA282	RASGRP3	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA2865	BTK	-Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA3576	RASGRP3	-Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA4450	AKT3	-Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA626	MAPK1	4.87E+00	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA660	AKT3	Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA8182	VAV3	-Inf	9.10E-01
ko04662	B cell receptor signaling pathway	circRNA9764	PPP3CC	-Inf	9.10E-01
ko04910	Insulin signaling pathway	ciRNA46	RPTOR	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA1451	PRKAA1	1.62E+00	9.18E-01
ko04910	Insulin signaling pathway	circRNA1587	HK1	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA1639	MAPK9	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA1769	EIF4E	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA2034	PRKAR2B	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA2102	BRAF	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA2103	BRAF	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA2106	PRKAG2	3.87E+00	9.18E-01
ko04910	Insulin signaling pathway	circRNA2535	PIK3CA	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA421	LOC102188320	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA422	LOC102188320	Inf	9.18E-01

ko04910	Insulin signaling pathway	circRNA4450	AKT3	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA504	CEP152	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA5471	SORBS1	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA614	ACACB	1.58E+00	9.18E-01
ko04910	Insulin signaling pathway	circRNA615	ACACB	1.17E+00	9.18E-01
ko04910	Insulin signaling pathway	circRNA616	ACACB	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA626	MAPK1	4.87E+00	9.18E-01
ko04910	Insulin signaling pathway	circRNA660	AKT3	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA6680	HK1	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA6823	MAPK9	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA711	RALGPS2	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA8137	PRKAB2	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA8269	PRKACB	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA9082	PRKCI	-Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA929	S6K1	Inf	9.18E-01
ko04910	Insulin signaling pathway	circRNA938	ACACA	Inf	9.18E-01
ko00564	Glycerophospholipid metabolism	ciRNA59	PPAP2A	Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA186	DGKH	1.91E+00	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA3308	DGKH	-Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA4584	PLA2G4A	-Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA6341	PPAP2A	-Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA723	PLA2G4A	2.03E+00	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA724	PLA2G4A	1.73E+00	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA725	PLA2G4A	Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA726	PLA2G4A	Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA9016	PCYT1A	-Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA919	DGKE	Inf	9.20E-01
ko00564	Glycerophospholipid metabolism	circRNA9546	AGPAT4	-Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA1393	FARS2	Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA2832	IARS	Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA5899	EARS2	-Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA6236	FARS2	-Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA634	IARS2	3.84E+00	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA6399	TARS	-Inf	9.20E-01
ko00970	Aminoacyl-tRNA biosynthesis	circRNA7005	LARS	-Inf	9.20E-01
ko04621	NOD-like receptor signaling pathway	circRNA1639	MAPK9	Inf	9.22E-01
ko04621	NOD-like receptor signaling pathway	circRNA1920	HSP90B1	Inf	9.22E-01
ko04621	NOD-like receptor signaling pathway	circRNA626	MAPK1	4.87E+00	9.22E-01
ko04621	NOD-like receptor signaling pathway	circRNA6823	MAPK9	-Inf	9.22E-01
ko04621	NOD-like receptor signaling pathway	circRNA7931	NOD1	-Inf	9.22E-01
ko04080	Neuroactive ligand-receptor interaction	ciRNA294	PARD3B	-Inf	9.24E-01
ko04080	Neuroactive ligand-receptor interaction	ciRNA60	NMB	Inf	9.24E-01

ko04080	Neuroactive ligand-receptor interaction	circRNA2117	VIPR2	Inf	9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA2210	LOC102180987		
		1.65E+00			9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA2390	PARD3B	Inf	9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA3083	PARD3	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA3088	PARD3	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA3090	PARD3	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA4349	P2RX7	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA6016	GRM7	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA6017	GRM7	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA6018	GRM7	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA7011	HTR4	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA7012	HTR4	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA7013	HTR4	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA7014	HTR4	-Inf	
					9.24E-01
ko04080	Neuroactive ligand-receptor interaction	circRNA9075	FNDC3B	-Inf	
					9.24E-01
ko00604	Glycosphingolipid biosynthesis - ganglio series	circRNA8281	ST6GALNAC3	-Inf	9.29E-01
ko00830	Retinol metabolism	circRNA487	ALDH1A2	Inf	9.29E-01
ko04711	Circadian rhythm - fly	circRNA4510	PER3	-Inf	9.29E-01
ko05340	Primary immunodeficiency	circRNA2865	BTK	-Inf	9.37E-01
ko05340	Primary immunodeficiency	circRNA6547	ADAL	-Inf	9.37E-01
ko05223	Non-small cell lung cancer	circRNA162	PLCG1	Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA164	STK4	1.33E+00	9.41E-01
ko05223	Non-small cell lung cancer	circRNA2102	BRAF	Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA2103	BRAF	Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA2535	PIK3CA	Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA3255	STK4	-Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA4450	AKT3	-Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA4521	CASP9	-Inf	9.41E-01
ko05223	Non-small cell lung cancer	circRNA626	MAPK1	4.87E+00	9.41E-01
ko05223	Non-small cell lung cancer	circRNA6440	MCTP2	-Inf	9.41E-01

ko05223	Non-small cell lung cancer	circRNA660	AKT3	Inf	9.41E-01	
ko04960	Aldosterone-regulated sodium reabsorption	circRNA2148	ATP1A1	Inf	9.45E-01	
ko04960	Aldosterone-regulated sodium reabsorption	circRNA2149	ATP1A1	Inf	9.45E-01	
ko04960	Aldosterone-regulated sodium reabsorption	circRNA2535	PIK3CA	Inf	9.45E-01	
ko04960	Aldosterone-regulated sodium reabsorption	circRNA626	MAPK1	4.87E+00	9.45E-01	
ko04960	Aldosterone-regulated sodium reabsorption	circRNA6440	MCTP2	-Inf	9.45E-01	
ko04010	MAPK signaling pathway	ciRNA20	FOS	Inf	9.57E-01	
ko04010	MAPK signaling pathway	ciRNA43	MAP3K3	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA119	RSU1	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1326	FLNB	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1560	LOC102191110	1.51E+00	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1562	LOC102191110	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1563	LOC102191110	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1639	MAPK9	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA164	STK4	1.33E+00	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1717	RASGRF2	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1765	PPP3CA	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA1767	PPP3CA	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA2102	BRAF	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA2103	BRAF	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA2318	ATF2	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA2349	CACNB4	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA26	RPS6KA6	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA2801	PPP3CC	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA282	RASGRP3	Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3255	STK4	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3506	MAP4K4	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3510	IL1R1	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3511	IL1R1	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3517	IL1R1	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA3576	RASGRP3	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA4215	RPS6KA5	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA4450	AKT3	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA4548	RASAL2	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA4590	RPS6KC1	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA5127	NF1	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA5199	SPAG9	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA6087	CACNA2D3	-Inf	9.57E-01	
ko04010	MAPK signaling pathway	circRNA626	MAPK1	4.87E+00	9.57E-01	

ko04010	MAPK signaling pathway	circRNA6440	MCTP2	-Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA660	AKT3	Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA6823	MAPK9	-Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA709	RASAL2	Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA711	RALGPS2	Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA729	RPS6KC1	Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA74	RPS6KA3	Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA8269	PRKACB	-Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA9088	MECOM	-Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA9090	MECOM	-Inf	9.57E-01
ko04010	MAPK signaling pathway	circRNA9764	PPP3CC	-Inf	9.57E-01
ko04710	Circadian rhythm - mammal	circRNA4510	PER3	-Inf	9.58E-01
ko02010	ABC transporters	circRNA1014	ABCA6	Inf	9.58E-01
ko02010	ABC transporters	circRNA2023	ABCB4	Inf	9.58E-01
ko02010	ABC transporters	circRNA2024	ABCB4	Inf	9.58E-01
ko02010	ABC transporters	circRNA2839	ABCA1	Inf	9.58E-01
ko02010	ABC transporters	circRNA7676	ABCC9	-Inf	9.58E-01
ko02010	ABC transporters	circRNA7897	CFTR	-Inf	9.58E-01
ko02010	ABC transporters	circRNA7899	CFTR	-Inf	9.58E-01
ko02010	ABC transporters	circRNA9859	ABCA1	-Inf	9.58E-01
ko04660	T cell receptor signaling pathway	ciRNA20	FOS	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA1616	DLG2	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA1654	VAV1	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA1765	PPP3CA	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA1767	PPP3CA	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA1927	CARD10	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA2510	DLG1	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA2512	DLG1	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA2535	PIK3CA	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA2650	FYN	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA2801	PPP3CC	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA4450	AKT3	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA4700	CD3G	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA626	MAPK1	4.87E+00	
					9.60E-01
ko04660	T cell receptor signaling pathway	circRNA660	AKT3	Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA6751	DLG2	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA7261	TEC	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA8182	VAV3	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA9022	DLG1	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA9023	DLG1	-Inf	9.60E-01
ko04660	T cell receptor signaling pathway	circRNA9764	PPP3CC	-Inf	9.60E-01
ko04510	Focal adhesion	ciRNA14	COL5A1	Inf	9.62E-01
ko04510	Focal adhesion	ciRNA29	RD3	Inf	9.62E-01

ko04510	Focal adhesion	ciRNA67 PCNXL3	3.31E+00	9.62E-01
ko04510	Focal adhesion	ciRNA68 UNC93B1	Inf	9.62E-01
ko04510	Focal adhesion	ciRNA75 PTBP1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1111 ATRNL1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1114 ATRNL1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1115 ATRNL1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1301 ITGA9	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1326 FLNB	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1327 SLMAP	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1345 CCDC37	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1414 ARHGEF28	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1415 ARHGEF28	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1416 ARHGEF28	1.34E+00	9.62E-01
ko04510	Focal adhesion	circRNA1417 ARHGEF28	1.83E+00	9.62E-01
ko04510	Focal adhesion	circRNA1418 ARHGEF28	1.38E+00	9.62E-01
ko04510	Focal adhesion	circRNA1419 ARHGEF28	2.86E+00	9.62E-01
ko04510	Focal adhesion	circRNA156 CEP250	1.87E+00	9.62E-01
ko04510	Focal adhesion	circRNA1639 MAPK9	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1654 VAV1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1814 KDR	Inf	9.62E-01
ko04510	Focal adhesion	circRNA1842 EVC	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2019 ITGB8	1.00E+00	9.62E-01
ko04510	Focal adhesion	circRNA2102 BRAF	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2103 BRAF	Inf	9.62E-01
ko04510	Focal adhesion	circRNA212 LOC100860837	2.63E+00	9.62E-01
ko04510	Focal adhesion	circRNA2301 ITGAV	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2310 ITGA4	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2311 ITGA4	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2524 LPP	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2535 PIK3CA	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2604 DOPEY2	1.37E+00	9.62E-01
ko04510	Focal adhesion	circRNA2648 LAMA4	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2650 FYN	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2682 LAMA2	1.30E+00	9.62E-01
ko04510	Focal adhesion	circRNA2683 LAMA2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2684 LAMA2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2685 LAMA2	1.83E+00	9.62E-01
ko04510	Focal adhesion	circRNA2686 LAMA2	2.01E+00	9.62E-01
ko04510	Focal adhesion	circRNA2687 LAMA2	2.94E+00	9.62E-01
ko04510	Focal adhesion	circRNA2688 LAMA2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA2728 TULP4	-1.55E+00	9.62E-01
ko04510	Focal adhesion	circRNA2750 IFT74	Inf	9.62E-01
ko04510	Focal adhesion	circRNA311 PLEKHH2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA3383 LOC100860837	-Inf	9.62E-01

ko04510	Focal adhesion	circRNA3796	GREB1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA3798	GREB1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA402	LAMC3	Inf	9.62E-01
ko04510	Focal adhesion	circRNA4029	TLN2	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA4031	TLN2	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA4033	TLN2	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA407	LOC102190139	Inf	9.62E-01
ko04510	Focal adhesion	circRNA421	LOC102188320	Inf	9.62E-01
ko04510	Focal adhesion	circRNA422	LOC102188320	Inf	9.62E-01
ko04510	Focal adhesion	circRNA4384	EMID1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA4450	AKT3	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA480	TLN2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA4806	PRR5L	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA4857	PTK2	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA504	CEP152	Inf	9.62E-01
ko04510	Focal adhesion	circRNA5058	STXBP4	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5059	STXBP4	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5061	STXBP4	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5204	COL1A1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5275	RNF213	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5331	KLHDC4	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5418	ACTN4	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5447	PTEN	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5520	ATRNL1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5523	ATRNL1	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5724	LOC102171022	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5725	LOC102171022	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5726	LOC102171022	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5727	LOC102171022	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA5993	ITGA9	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA611	GCN1L1	Inf	9.62E-01
ko04510	Focal adhesion	circRNA626	MAPK1	4.87E+00	9.62E-01
ko04510	Focal adhesion	circRNA6275	ARHGEF28	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA6440	MCTP2	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA660	AKT3	Inf	9.62E-01
ko04510	Focal adhesion	circRNA6823	MAPK9	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA711	RALGPS2	Inf	9.62E-01
ko04510	Focal adhesion	circRNA7147	SEC24D	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA7394	EVC	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA741	PDGFD	Inf	9.62E-01
ko04510	Focal adhesion	circRNA7502	PCED1B	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA7752	PARVB	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA7787	LOC100860940	-Inf	9.62E-01
ko04510	Focal adhesion	circRNA7883	LAMB1	-Inf	9.62E-01

ko04510	Focal adhesion	circRNA7903	MET	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA7904	MET	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8182	VAV3	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8306	SGIP1	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8488	LIMS2	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8498	LOC100860938	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8499	LOC100860938	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA8686	TRAK2	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9033	LPP	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9034	LPP	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9352	LAMA4	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9437	LAMA2	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9909	ASTN2	-Inf	9.62E-01	
ko04510	Focal adhesion	circRNA9910	ASTN2	-Inf	9.62E-01	
ko04630	Jak-STAT signaling pathway	circRNA1217	PIAS2	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA1443	IL6ST	1.62E+00	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA1452	OSMR	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2134	IL6R	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2210	LOC102180987	1.65E+00	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2235	ZCCHC11	1.47E+00	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2236	ZCCHC11	1.23E+00	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2266	SFPQ	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2438	IFNGR2	1.87E+00	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2439	IFNAR1	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2535	PIK3CA	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA2890	IL13RA1	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA4366	PTPN11	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA4390	EIF4ENIF1	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA4450	AKT3	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA6336	IL6ST	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA660	AKT3	Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA6865	TYK2	-Inf	9.63E-01	
ko04630	Jak-STAT signaling pathway	circRNA8606	STAM2	-Inf	9.63E-01	
ko04623	Cytosolic DNA-sensing pathway	circRNA1395	RIPK1	Inf	9.74E-01	
ko04623	Cytosolic DNA-sensing pathway	circRNA6707	POLR3A	-Inf	9.74E-01	
ko04740	Olfactory transduction	circRNA8269	PRKACB	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	ciRNA14	COL5A1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	ciRNA29	RD3	Inf	9.75E-01	
ko04512	ECM-receptor interaction	ciRNA67	PCNXL3	3.31E+00	9.75E-01	
ko04512	ECM-receptor interaction	ciRNA68	UNC93B1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	ciRNA75	PTBP1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1111	ATRNL1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1114	ATRNL1	Inf	9.75E-01	

ko04512	ECM-receptor interaction	circRNA1115	ATRNL1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1301	ITGA9	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1345	CCDC37	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1414	ARHGEF28	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1415	ARHGEF28	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1416	ARHGEF28	1.34E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1417	ARHGEF28	1.83E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1418	ARHGEF28	1.38E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1419	ARHGEF28	2.86E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1495	SV2B	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1496	SV2B	1.23E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA156	CEP250	1.87E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA1842	EVC	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2019	ITGB8	1.00E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2301	ITGAV	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2310	ITGA4	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2311	ITGA4	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2648	LAMA4	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2682	LAMA2	1.30E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2683	LAMA2	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2684	LAMA2	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2685	LAMA2	1.83E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2686	LAMA2	2.01E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2687	LAMA2	2.94E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2688	LAMA2	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA2728	TULP4	-1.55E+00	9.75E-01	
ko04512	ECM-receptor interaction	circRNA3796	GREB1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA3798	GREB1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA4006	MDGA2	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA402	LAMC3	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA407	LOC102190139	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA4384	EMID1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA4573	HMCN1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA4806	PRR5L	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5204	COL1A1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5275	RNF213	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5331	KLHDC4	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5520	ATRNL1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5523	ATRNL1	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA5993	ITGA9	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA611	GCN1L1	Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA6275	ARHGEF28	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA7394	EVC	-Inf	9.75E-01	
ko04512	ECM-receptor interaction	circRNA7502	PCED1B	-Inf	9.75E-01	

ko04512	ECM-receptor interaction	circRNA7787	LOC100860940	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA7883	LAMB1	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA8498	LOC100860938	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA8499	LOC100860938	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA9352	LAMA4	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA9437	LAMA2	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA9909	ASTN2	-Inf	9.75E-01
ko04512	ECM-receptor interaction	circRNA9910	ASTN2	-Inf	9.75E-01
ko04622	RIG-I-like receptor signaling pathway	circRNA1395	RIPK1	Inf	9.78E-01
ko04622	RIG-I-like receptor signaling pathway	circRNA1639	MAPK9	Inf	9.78E-01
ko04622	RIG-I-like receptor signaling pathway	circRNA2661	ATG5	Inf	9.78E-01
ko04622	RIG-I-like receptor signaling pathway	circRNA6823	MAPK9	-Inf	9.78E-01
ko03040	Spliceosome	circRNA4918	CSPP1	-Inf	9.85E-01
ko03040	Spliceosome	circRNA4919	CSPP1	-Inf	9.85E-01
ko03040	Spliceosome	circRNA4920	CSPP1	-Inf	9.85E-01
ko03040	Spliceosome	circRNA843	CSPP1	Inf	9.85E-01
ko05221	Acute myeloid leukemia	circRNA2102	BRAF	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA2103	BRAF	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA2535	PIK3CA	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA4450	AKT3	-Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA4477	KIFAP3	-Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA4478	KIFAP3	-Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA626	MAPK1	4.87E+00	9.88E-01
ko05221	Acute myeloid leukemia	circRNA660	AKT3	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA672	KIFAP3	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA674	KIFAP3	Inf	9.88E-01
ko05221	Acute myeloid leukemia	circRNA929	S6K1	Inf	9.88E-01
ko04012	ErbB signaling pathway	circRNA162	PLCG1	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA1639	MAPK9	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA2102	BRAF	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA2103	BRAF	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA2535	PIK3CA	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA421	LOC102188320	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA422	LOC102188320	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA4450	AKT3	-Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA4857	PTK2	-Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA504	CEP152	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA626	MAPK1	4.87E+00	9.94E-01
ko04012	ErbB signaling pathway	circRNA6440	MCTP2	-Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA660	AKT3	Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA6823	MAPK9	-Inf	9.94E-01
ko04012	ErbB signaling pathway	circRNA929	S6K1	Inf	9.94E-01