

Supporting Information

Exploring Myocardial Ischemia-Reperfusion Injury Mechanism of Cinnamon by Network Pharmacology, Molecular Docking, and Experiment Validation

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Table S1 The Intersection Targets

GENE NAME					
MBL2	GP1BA	SLC25A4	APOA1	CDON	ADAM17
MME	JAK2	MYC	CAT	PIAS1	HMCN1
GAPDH	GSK3B	EPOR	MMP2	SMAD1	YAP1
F2R	LAMA4	XIAP	GCLC	COL6A1	ENO1
SLC9A3R2	VCAN	FOXP2	LEP	S100P	SENP3
BMP6	TEK	SOCS3	ENO2	COL6A5	MAOB
PDE5A	SIRT3	CHI3L1	NFE2L2	NID2	RHOB
CIITA	IRAK1	ABCC8	KCNJ5	ANK2	TRPM7
EPRS1	PRKCE	IL37	HGF	KLRK1	FHL2
P2RY12	MERTK	ZC3H12A	ABCC9	PDGFA	TGFBI
NOD2	EPHA3	FLNA	RYR2	CMKLR1	TOLLIP
IL1R1	ABL1	RHOA	ADM	VSIG4	ITGA7
STAT1	MAP2K3	VTN	CD14	SNAP25	ALOX15
NFKB1	TNNI3K	ADCYAP1	AGER	AASS	TJP1
CALR	ROCK1	MMP14	NOS1	BAD	HADHB
CTF1	LRP2	UMOD	ABCA1	VEGFC	WT1
UTS2	MGAM	CASP7	TIMP1	ADAMTS5	GRIK1
SCARB1	FRAS1	IL11	REN	P4HB	TRPC6
ANGPT2	ATR	TSPO	PARP1	RHOD	COL6A3
CD59	AXL	CTSD	MYH6	MAP3K14	CYP2B6
THBS2	MAP2K4	CXCR3	CLU	PRELP	KCNMA1
ADORA1	TYK2	NAMPT	PRKAG2	TINAGL1	AREG
APP	ROR1	ENTPD1	ITGA2B	SPON1	SHC1
VIP	GRIN2B	NDUFS4	LGALS3	ADAMTS20	DIAPH1
C1S	CDK5	AMPD1	CD40LG	COL20A1	EIF2AK3
CDKN1A	ENG	PRKCD	APLN	CHADL	CFP
EGR1	PRKDC	KLK1	CALCA	SSPOP	IDO1
ITGAL	ADAM12	IL3	IL2	ERCC2	GPR55
AIF1	SLK	SETD2	GHRL	ZFYVE9	STAT5B
ASIC1	EGFR	APLNR	CYP2C9	ATP2B4	CD80
TNFRSF1B	GSDME	TGM2	HSPG2	APAF1	FGF4
PDGFB	CRP	DUSP1	PROCR	RBM28	ANGPTL4
RAC1	MPO	SMAD4	PLA2G7	AIMP1	GADD45A
S100A9	LTA	ACP1	CDKN2A	NDUFB2	CCK
GSTM1	NOS3	CASP2	FLT1	GRIA1	LAMA1
THPO	VWF	VCP	CDH5	GHRH	SEMA7A
BCL2L1	CXCL8	CAST	CP	DUSP6	STAT5A
NTN1	HMOX1	BAK1	PTGIS	TOMM40	BCL2L15
TNNI3	NOS2	ALOX12	CD40	TNFRSF10A	BLVRB
SDC1	SELP	IL22	CPT2	BIRC2	CPOX
ABRAXAS2	TP53	RNF182	HSPB1	FOXC2	P2RY11
C5AR1	LCN2	NLRP1	SMARCA4	PPP1R15A	AOC1

DNM1L	IL18	TNFSF12	CD34	CPT1B	DUSP19
MAX	SCG2	XRCC1	SENP1	KCNT2	TFF3
EEA1	ANGPTL2	TFAM	PSMD9	P2RY14	BCL2A1
CD4	FGF19	TLR3	ITGAX	MUC20	CCR3
SERPINA5	PTGER2	MAPK8IP3	PRSS2	CHD8	PKD1
LHFPL3	CTTN	ADGRL1	MYBPC1	MAT1A	MYO1E
RABEP1	FPR2	ERCC1	SMPD2	F12	INSIG1
FOXP1	MIEF2	EP300	GSS	CTHRC1	DDOST
SNAP29	OGG1	GRIK5	EIF4G1	CD300LB	LPAR1
VTI1B	LAIR1	GNAI3	PLCG1	ANKRD23	AP4M1
NEO1	DNM2	ADCYAP1R1	SLC29A4	CCDC88B	SORT1
IRAG2	TNFSF9	EDN2	KCNQ4	CLEC9A	PDK2
VAMP8	PDIA2	CYP2E1	AKAP13	MEGF10	FOXO3
NAPA	RAMP1	ABCC5	ITGB3	TET2	ADGRB1
KCNH1	TRIM28	CASP12	B2M	HTT	NPHS1
SPAM1	OGDH	PPP3CA	GRIN2A	DPPA2	DYSF
CACNA1H	CA1	POLB	IL6R	WTIP	CAVIN1
VAMP3	CELSR1	PKLR	SMARCAL1	USP53	TP63
OTOF	AGFG1	CHRNA3	MEF2C	SRXN1	LITAF
AKAP9	ATG12	ACTN2	SERPINA3	LGALS3	CCS
RIMS1	MLKL	ST6GAL1	SST	INAVA	GRM5
VAV3	SLC5A2	CENPE	SLC12A2	NECAB2	BHLHE40
OPA1	JMJD1C	DAG1	F11	TMEM119	SCN10A
CAV2	RRAD	ERCC5	EDNRA	THBS1	CBLB
MYH9	MSRA	GLP1R	PAPPA	ABCB1	ADAMTS7
KLK6	PEPD	GRN	SIAH2	TERT	RARRES1
KCNB1	GPBR1	ICAM3	TOMM20	SULT1A3	TLR9
KCNB2	ATP5F1B	IGFBP1	CA3	GPX1	GP6
KCNC3	MCUB	IL4R	KCNN1	HSP90B1	FSTL1
KCNE2	BCAR1	BCR	ADAMTSL1	MYH10	SPTLC1
KCNG2	KCNN3	MITF	NFAT5	LONP1	STIM1
KCNG4	NCK1	PTN	MAPK8IP1	ATP1A1	UBR1
KCNH4	GSTM3	OMG	ACACA	KCNH2	SIGLEC10
KCNH6	NFE2L1	SKI	GCH1	MAP2	SLC2A9
KCNQ3	GDNF	BMI1	CABIN1	VIPR1	MAGI2
KCNQ5	RETN	CCN3	MEF2A	MYL4	OLIG1
THY1	TRAF2	PIM1	MFF	RLF	TRPM4
ETS1	CD47	PKM	C1D	USP6	SMOC2
VEGFD	ABCB11	SREBF1	ADAMTS1	KCNC4	SLC17A8
SOCS1	TRPM2	ZEB1	CADPS	TXNRD2	TRAK1
EIF2S1	ABCB4	ITGAV	SLC16A1	DEK	STOML3
CCNB1	MPL	YIPF6	NPY1R	JAG1	MMP28
CCL11	GREM1	FOXA2	SLC4A4	SCN11A	AHI1
ZNF354A	TRAF7	BDKRB1	ARF4	LGR5	CYP27B1

VEGFA	SARM1	SIRT1	CUL3	APOL4	HMOX2
TSC2	ANKRD1	FAS	TACR1	EMILIN3	ALDH9A1
C4B	SRC	CCL3	MLC1	DDT	CD69
EPAS1	NPR1	HSPA4	RIPK3	CRHR2	PROC
MASP2	MAPK9	MAPT	ADAMTS3	GLRX	NES
CLCN3	RIPK2	ADRB1	ATF6	GCKR	IL23A
IKBKG	TIE1	PLA2G6	IFIT3	TLR7	GAD1
ATP2A1	KIT	SELPLG	FPR1	PPP1CA	ABCG2
ADK	ANO1	LRP6	SMPD1	PNPLA8	AHSG
ERBB2	MAPK11	ACE2	EGLN3	DDIT4	VEGFB
LYN	RAF1	CCR5	YBX1	METTL14	NLRX1
ATP7A	RYK	EGF	RBP3	AKIP1	IL18BP
CCR1	DSG1	SH2B3	TRPC5	SIVA1	GPX3
TRPM8	DCC	HSPD1	DGKQ	SP3	BAG1
IL6	MET	CRYAB	KL	F11R	FOXC1
TNF	YES1	CASP9	TRAF5	SNHG12	ATF4
SERPINE1	DDR1	SDHB	ODC1	CD58	GLO1
IL10	MAPK10	NEFL	YRDC	GORASP1	CXCL6
SOD1	GFAP	IL13	EEF2	KCNJ1	SPARC
MMP9	MAPK14	TKT	LNP1	YWHAZ	BGN
ESR1	CXCL1	CSF1	KCNF1	CYGB	COL14A1
CCL2	MAP2K1	HSPA5	KCNH5	PSMA2	NDRG4
S100B	LTF	S100A8	IL6ST	AQP8	GRP
EDN1	HSPB2	IL5	TXNRD1	USP18	TNFRSF12A
F3	SIRPA	KCNQ1	SLC6A11	MSRB1	BMP4
EPO	CSK	COL7A1	ADGRL3	IL18RAP	PPIF
F5	PTPA	BECN1	SLCO1B3	JMJD6	E2F1
LMNA	PDGFRB	FGF7	GNAI2	NDUFA4L2	GNAI1
IGF1	ANG	S1PR1	CLDN4	STK4	LAMB2
KNG1	TTK	VHL	MT-CYB	TRAF1	SRF
CXCL12	THBD	PSEN1	PCSK2	FKBP4	RPS6KB1
XDH	OLR1	PSAP	APOE	BFAR	GJC1
VCAM1	ADAMTS13	GZMB	IDH2	EIF4EBP1	MCAM
FGB	CTNNB1	CTSG	PAX2	SLC51B	CTSS
CCN2	TLR2	SORD	CEBPB	CCR2	APOM
F10	PPARA	TRPV4	P2RX4	CYP2C19	HMGB2
AGT	AQP4	CRH	SEMA3A	PLA2G2A	ATF2
PLG	GLS	KCNJ8	SLC22A4	SERPINF2	CLEC4A
ADRB2	CYBB	UCN	PTER	MMP13	TFG
SOD2	DPP4	ACHE	MICU1	LDLR	CTH
ALDH2	ADORA3	HTRA2	GPR180	CD163	UTS2B
SPP1	CYSLTR2	C3AR1	WFIKKN1	PCSK9	CCL22
CCL5	NFKBIA	PTGDS	SLC6A4	PNP	ADAMTS8
RSPO1	FCN3	SLC9A1	ASCL1	HDAC3	BNIP3

REG4	NUCB2	HSPA1A	CACNA2D1	SLC1A1	MDM2
WFIKKN2	MARCHF5	CCND1	CEBPD	ARRB1	LGALS1
EPC1	FAM3A	FOS	GAD2	ATP5F1E	RUNX1
PLA2G3	TMEM123	IRF5	GLRA1	MAP3K8	TXN2
APIP	LTC4S	DCN	SERPIND1	SERPING1	SERPINF1
SPEG	GIP	FASLG	ITGB6	BEST1	NOD1
FOXK1	POMZP3	MCU	JUND	NR4A2	RUNX2
MXRA8	USO1	TF	PDE1A	GPR31	DLD
OLFM2	UBA52	TIMP2	PLA2G1B	PF4	IL9
CREG1	LHFPL6	AHSP	MMP7	BDKRB2	SIRT6
PACC1	UFD1	PLAU	CD6	SERPINI1	CLEC3B
HPCAL4	RAB8A	BMP7	HNF1B	CTSL	SLC22A3
VNN1	NAPG	NPPC	NOTCH1	BDH1	S1PR3
CCL21	ROPN1B	CX3CR1	TBL1X	PRNP	TIMP4
CD93	DOC2B	MYD88	PTGIR	APOC3	TMSB4X
NPPB	SNAP23	FABP1	HNF4A	MYDGF	TGIF1
IL1B	VPS33B	TNNC1	GAS6	ACADS	FEM1A
NPPA	NOX5	FGF1	VSNL1	FXYD1	ADAM10
TGFB1	ADAM9	GSTP1	P2RX2	MYL3	PTHLH
HMGB1	NMNAT3	ADM2	FAT1	PCSK1	P2RY1
IFNG	KCNC1	LOX	NACA	IZUMO1	GLRX2
GCLM	KCNC2	IL15	SGCD	MYMX	ATG5
NGF	KCND1	RELA	SQSTM1	FAU	COL15A1
IL4	KCND2	IL7	PROX1	MAP1B	C1R
CYCS	KCND3	FOXO1	RCAN1	LHFPL1	IL7R
HAVCR1	KCNE4	LAMA2	PSPN	MFN1	PLA2G10
HTR2A	KCNG3	ELAVL1	LRRFIP1	STX6	THAP5
TXN	KCNS1	FCGR3B	KCNK6	NPLOC4	GSTA2
CBS	KCNAB1	DDIT3	SYT7	BNIP1	PPP1CC
CD46	ITGA5	GJB1	PLSCR1	VAMP7	IMMT
ANGPT1	INPP5D	SNCA	LBX1	PRDX6	H2AX
COL3A1	EIF2A	TFPI	AIM2	MMP12	ADCY1
CASP1	PRSS1	GAST	SRP54	PRKCQ	HSPA1B
IL1RN	TMBIM6	FBXO32	ABCC4	KCNE3	AOX1
BAX	TBXAS1	XBP1	IL27RA	EFNB2	LAP3
ITGB2	HRH3	OSM	PNKP	ID3	HEXIM1
CHAT	CDKN1B	IGFBP7	CHRNA10	CCNG1	PSMA7
GATA4	CYP19A1	PPIA	OLIG2	STC1	HTR2B
MIF	CYP3A5	MUC1	HOPX	STAT6	PLSCR3
IL17A	MT-ATP6	LRG1	BHLHA15	BTG2	RGS16
CXCL10	ARG1	ANXA2	NMNAT1	CCNE1	LDHA
CXCL2	HLA-B	SLC24A3	LRRK2	FOSL1	DEFB4A
CASP6	GCG	KLF4	NR3C2	ID1	MMP1
SCFD1	CDC42	RAB7A	BCHE	LGALS7	IFNB1

FOSL2	TAC1	CASP4	AKR1B1	NFIB	HDAC6
CD2AP	S100A6	FLNB	ICAM1	P2RX1	SLC6A3
MT-ATP8	BLOC1S1	LHX2	APOB	HMMR	EGLN1
MMP3	TNNI1	NR1H4	CNR1	SOX15	CXCR2
OXT	HCRT	BVES	CNR2	CCL13	KDR
CEL	SETMAR	RTN4R	NR1H2	PITX2	ERN1
C1QA	AKT1S1	SCGB3A2	SHH	KLF6	FABP4
EPHX1	KCTD9	DEFB103A	ADORA2A	CASP3	PPARG
FGFR4	PTGS2	GPR78	TRPV1	CASP8	FABP3
FGFR1	HSP90AA1	ACMSD	MAPK8	PRKCA	PPARD
CD74	CHRM3	PELI3	FASN	PON1	PTGES
PTPRZ1	SCN5A	SPINK6	MAOA	NR1H3	LPL
KDM6A	PDE3A	GFRAL	TLR4	HMGCR	BDNF
CRLF2	OPRM1	PTGS1	TRPA1	G6PD	INS
CD24	BCL2	ADORA2B	ALOX5	SLC6A2	UCP2
SP1	JUN	FABP2	HSD11B1	GPBAR1	
COL1A1	AOC3	IGF1R	NR4A1	SOAT1	

Table S2 he Data of Topological Parameters of The PPI Network

GENE	BETWEENNESS	CLOSENESS	DEGREE
MYC	22237.2381	0.00049554	297
SIRT1	9664.312401	0.000457875	177
MPO	1799.235328	0.000434783	121
CCL2	5732.332608	0.000474834	245
GAPDH	52889.71325	0.000537346	431
APOB	3962.648919	0.000428449	106
APOA1	2892.439967	0.000424268	99
APOE	9514.033309	0.000461681	183
CRP	8501.621437	0.000447227	163
TLR2	5336.009959	0.000456621	197
EP300	9917.500861	0.000460405	180
IL1B	27226.54647	0.000517331	378
ICAM1	5202.954022	0.000467946	220
APP	15283.91069	0.00046729	195
PPARG	12383.94306	0.000475964	223
VCAM1	2631.262192	0.000449843	184
FABP1	1881.6776	0.000399521	57
NOS3	10284.91743	0.000464037	177
LEP	8925.782178	0.00044964	168
CLU	4143.231266	0.000424088	85
PSEN1	1875.489497	0.000429185	86
SNCA	9488.568834	0.000440141	117
SREBF1	2104.897976	0.000423908	93
MMP9	9883.998677	0.000480769	269
TLR4	12858.57066	0.000484262	262
RHOA	10991.58208	0.000465983	190
IL10	9700.843882	0.000481464	267
IL6	40409.98725	0.000535332	439
INS	40930.74841	0.000520021	362
TNF	48101.48299	0.000542299	452
NR1H4	2151.22775	0.00040833	56
CDC42	8783.968905	0.000455166	155
PPARA	10079.85996	0.000449843	155
ABCB1	4207.177985	0.000417537	66
CD4	16410.77617	0.000484027	273
CCND1	4820.392409	0.000463177	197
ABCG2	4593.496555	0.000406504	56
KDR	6530.344001	0.000453309	165
EGF	16574.57967	0.000490436	286
TP53	46966.79921	0.000518135	371
ERBB2	5761.224451	0.000462535	197
EGFR	31394.37456	0.000507357	335

NOTCH1	7675.154896	0.000464468	207
TJP1	9814.728118	0.000435161	100
KIT	3124.643237	0.000445434	155
BCL2L1	6997.187399	0.000453515	174
HSPA4	11867.49178	0.000468823	199
CD34	3575.865073	0.000447227	171
CASP3	19455.22329	0.000498504	306
HNF4A	3044.871616	0.000426985	96
CASP9	2097.866561	0.000437254	126
HSP90AA1	17724.09336	0.000479846	235
CTNNB1	28195.3039	0.000500501	309
ANXA2	2599.328727	0.000434594	87
HTT	2924.369091	0.000429369	93
PTGS2	9709.697531	0.000463822	205
JUN	14117.58936	0.000492611	294
ABL1	2166.277303	0.000432152	108
SRC	36928.74378	0.000506586	323
MAPK8	3338.84293	0.000453515	170
GSTP1	2142.096088	0.000396668	57
RELA	3940.492539	0.000446429	155
ESR1	10017.009	0.000470146	211
CYP2E1	1710.609468	0.000406504	61
VEGFA	23399.44977	0.000506329	343
LGALS3	2998.822667	0.000427716	97
DPP4	4585.751093	0.000424088	75
KCNQ1	4937.5902	0.000378072	56
SNAP25	7526.995908	0.000401768	71
KCNH2	5623.82275	0.000380084	61
SST	2253.625851	0.000418235	68
CNR1	1916.953369	0.000416667	65
GAD2	2997.595789	0.000402901	55
UCP2	1907.212265	0.000406835	52
GCG	4205.995888	0.00042517	93
AQP4	3582.736885	0.000412031	54
ACTN2	5976.712461	0.000397614	53
IGF1R	2205.634	0.000438982	125
SHH	2489.204333	0.000433088	103
TXN	4781.745674	0.000430108	103
MET	3860.470936	0.000434216	109
THY1	2383.869928	0.0004329	111
KLF4	3433.88044	0.000424088	88
NFKBIA	3328.238164	0.000454752	174
MAPK14	6019.020017	0.000455996	177
CAT	11323.96642	0.000458295	183

PLCG1	3038.392761	0.000421763	94
MDM2	2413.374066	0.00043802	116
PDGFRB	2962.560662	0.000433651	130
HSP90B1	2000.20075	0.000430849	91
FOS	13218.43916	0.000471698	223
CYCS	12686.69332	0.000456204	183
TERT	2794.018925	0.000419463	82
PRKDC	5000.423991	0.000404858	58
CALR	3066.366218	0.000431406	98
WT1	1993.314268	0.000407166	55
MAPT	4743.638569	0.000434783	100
MEF2C	1652.115991	0.000401929	57
STAT5A	2259.69822	0.000432152	136
SMAD4	3393.807963	0.000438404	117
RAC1	2099.996896	0.000426439	98
STAT1	4359.905006	0.000448229	182
BECN1	3846.756714	0.000440917	124
PARP1	4688.261252	0.000427899	100
RUNX2	1724.075355	0.000432152	107
ITGB3	4593.418532	0.00043573	128
ALOX5	1628.708134	0.000398883	57
FOXO3	1736.805065	0.000440141	132
JAK2	3012.559813	0.00044287	154
SQSTM1	2494.92734	0.000434594	111
PRKCD	4237.042697	0.000432713	93
YWHAZ	3581.603344	0.000428816	91
LYN	1963.876253	0.000426985	107
CDKN2A	3606.080462	0.000448029	141
SHC1	1626.759047	0.000429369	111
ENO1	2547.812037	0.000408831	59
PKM	1650.943991	0.000412031	63
FOXO1	1922.933105	0.00043802	121
LDHA	2345.87093	0.000411353	65
SIRT3	2331.115661	0.000421585	74
VTN	2225.313341	0.000421408	91
KNG1	6384.70374	0.000423549	106
REN	5200.363827	0.000438404	113
ITGA5	2558.319682	0.000405186	76
LRRK2	5673.343885	0.000436681	108
AGT	2730.689095	0.000430849	100
CTGF	2096.05779	0.00043535	125
CYBB	5492.315127	0.000441891	126
EDN1	6221.053366	0.000450653	153
NOS1	2509.696544	0.000422476	72

GFAP	4547.898592	0.000446229	110
GSK3B	3320.310766	0.000449843	139
ENO2	1689.015572	0.000423191	68
CALCA	2769.90922	0.000410846	66
BDNF	8844.262538	0.000463822	183
NGF	7665.161579	0.000461042	172
TAC1	7216.192919	0.000427716	100
HSPG2	3796.309235	0.00039032	67
TXNRD1	1704.399196	0.000397456	65
MYH6	3569.57079	0.000408163	57
GRIA1	4338.468093	0.000411353	67
GRIN2B	5253.971137	0.000423729	79
TIMP1	2775.446059	0.000440141	137
MMP2	4489.116716	0.000454752	176
PIIF	5123.237374	0.00040404	63
CASP1	2682.690356	0.00043573	135
UBA52	21298.44203	0.000436681	127
COL1A1	3619.640886	0.000421941	101
COL3A1	1922.916436	0.000403551	78
PRKCA	7838.506168	0.000442478	114
CXCL8	8660.91541	0.000481928	270
P4HB	4784.864075	0.000420875	83
THBS1	5014.432665	0.000433839	127
VCAN	1785.457703	0.000397298	59
SERPINE1	3637.909248	0.000443656	148
VWF	7158.704428	0.000443066	156
ITGA2B	2264.764853	0.000410341	87
PLG	5084.760086	0.000439174	134
F3	1838.489213	0.000414938	86
IGF1	8891.622257	0.00047081	231
LOX	2258.267308	0.000434594	106
SPARC	2020.053606	0.000411523	72
ENTPD1	4063.021868	0.000382995	62
CRH	1645.042403	0.00040032	60
CCK	2738.393125	0.000396668	60
GRM5	3216.048852	0.000393236	55
ADRB2	1787.619939	0.000412371	60
TRPV1	7134.836535	0.000423191	75
AIF1	1691.685406	0.000425713	91
ARRB1	3100.533003	0.000422119	78
IL4	3233.191109	0.000457666	198
CXCL12	2659.009239	0.000448833	185
S100B	1650.104684	0.000412541	54
HMGB1	2112.393424	0.000435161	111

MYD88	2191.009277	0.000434028	139
ITGB2	1638.822404	0.000414079	102
RAB7A	3033.182344	0.000407498	58
TGFB1	5499.036955	0.000451467	165
CTSD	3319.500446	0.000422297	76
MAP2K1	3002.358626	0.000440335	120
SPP1	3061.103698	0.000441891	147
DNM2	3378.016519	0.000404204	52
BMP4	3161.46007	0.000424989	104
HMOX1	6640.549658	0.00045106	147
IFNG	2498.608477	0.000453309	178
SOD1	5565.115585	0.000438982	128
EEF2	1962.598855	0.000406669	57
HSPA5	8597.355019	0.000453104	146
IL17A	2033.570434	0.000442674	158
GAD1	2338.427461	0.000401284	61
GDNF	2910.140722	0.000422297	71
ITGAX	2288.336814	0.000424989	137
NOD2	3802.253319	0.000403063	84
CASP8	5741.156096	0.000448833	164
FLT1	1600.976095	0.000431406	98
EPRS	4298.900279	0.000413052	68
LMNA	2909.850692	0.000427533	79
SOD2	3474.461048	0.00043122	111
HSPD1	2218.702113	0.00042337	84
PTGS1	2666.559804	0.000396825	53
IL13	2042.910625	0.00042735	141
HGF	2952.976403	0.000444642	149
VCP	1931.026733	0.000410341	62
CDH5	2331.766827	0.00042517	92
IL2	3932.546071	0.000455581	182
FAS	2198.736989	0.000419111	101
CD40	2140.783168	0.0004329	156
CCNB1	2014.052326	0.000417362	85
DNM1L	2780.633928	0.00040016	65
MAP2K4	1719.401212	0.000398406	52
B2M	2693.709529	0.000429	102
SP1	1835.680155	0.000427168	92
MAPK9	2365.618075	0.000421053	81
IKBKG	2215.955772	0.000421408	91
XBP1	3651.276178	0.000418585	76
ETS1	1732.381093	0.00041425	70
