Supplementary file S1:

Section 1. Defining network topological feature set

For each node i in interaction network, we defined four measures for assessing its topological property: (1) 'Degree' is defined as the number of links to node i; (2) 'Node betweenness' is defined as the number of shortest paths between pairs of nodes that run through node i. (3) 'Closeness' is defined as the inverse of the farness which is the sum of node i distances to all other nodes. The Closeness centrality can be regarded as a measure of how long it will take to spread information from node i to all other nodes sequentially. Degree, node betweenness and closeness centralities can measure a node's topological importance in the network. The larger a node's degree/ node betweenness /closeness centrality is, the more important the node is in the interaction network [15]. (4) K-core analysis is an iterative process in which the nodes are removed from the networks in order of least-connected [16]. The core of maximum order is defined as the main core or the highest k-core of the network. A k-core sub-network of the original network can be generated by recursively deleting vertices from the network whose degree is less than k. This results in a series of sub-networks that gradually reveal the globally central region of the original network. On this basis, 'K value' is used to measure the centrality of node i.

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Table S1 List of neuropathic pain-related genes collected from Drugbank and OMIM database

Gene symbol	Database
A2M	DrugBank
ABAT	DrugBank
ABCC1	DrugBank
ABCC2	DrugBank
ABL1	DrugBank
ACHE	DrugBank
ADH1A	DrugBank
ADH1B	DrugBank
ADH1C	DrugBank
ADORA1	DrugBank
ADORA2A	DrugBank
ADRA1A	DrugBank
ADRA1B	DrugBank
ADRA1D	DrugBank
ADRA2A	DrugBank
ADRA2B	DrugBank
ADRA2C	DrugBank
ADRB1	DrugBank
ADRB2	DrugBank
ADRB3	DrugBank
AHR	DrugBank
AKR1C1	DrugBank
ALOX5	DrugBank
ANPEP	DrugBank
AOC3	DrugBank
AR	DrugBank
ASIC1	DrugBank
ASIC3	DrugBank
ATP4A	DrugBank
ATP6V1A	DrugBank
AVPR1A	DrugBank
AVPR1B	DrugBank
AVPR2	DrugBank
B4GALT1	DrugBank
B4GALT2	DrugBank
B4GALT3	DrugBank
B4GALT4	DrugBank
BCAT1	DrugBank
BCHE	DrugBank
BCL2	DrugBank
BCR/ABLFUSIO	DrugBank
BDKRB2	DrugBank
BLAZ	DrugBank
BRAF	DrugBank
C1QBP	DrugBank
C5	DrugBank
CA1	DrugBank
CACNA1A	DrugBank
CACNA1B	DrugBank

CACNA1C	DrugBank
CACNA2D1	DrugBank
CACNA2D2	DrugBank
CALCA	DrugBank
CALCB	DrugBank
CALCR	DrugBank
CAMC	DrugBank
CARTPT	DrugBank
CCL2	DrugBank
CCL3	DrugBank
CD44	DrugBank
CFTR	DrugBank
CHRM1	DrugBank
CHRM2	DrugBank
CHRM3	DrugBank
CHRM4	DrugBank
CHRM5	DrugBank
CHRNA1	DrugBank
CHRNA10	DrugBank
CHRNA2	DrugBank
CHRNA3	DrugBank
CHRNA4	DrugBank
CHRNA7	DrugBank
CHRNA9	DrugBank
CHRNB2	DrugBank
CHRNB4	DrugBank
CLCN2	DrugBank
CLCNKA	DrugBank
CNR1	DrugBank
CNR2	DrugBank
COBT	DrugBank
COMT	DrugBank
CRBN	DrugBank
CSF1R	DrugBank
CTLA4	DrugBank
CXCR1	DrugBank
CYP11B1	DrugBank
CYP17A1	DrugBank
CYP1A2	DrugBank
CYP27B1	DrugBank
CYSLTR1	DrugBank
DACA	DrugBank
DACB	DrugBank
DACC	DrugBank
DDR1	DrugBank
DDR2	DrugBank
DPP4	DrugBank
DRD1	DrugBank
DRD2	DrugBank
DRD3	DrugBank
DRD4	DrugBank

DRD5	DrugBank
E	DrugBank
EDNRA	DrugBank
EGFR	DrugBank
ELN	DrugBank
EPHA2	DrugBank
ESR1	DrugBank
ESR2	DrugBank
ESRRG	DrugBank
FAAH	DrugBank
FABP2	DrugBank
FCGR1A	DrugBank
FDPS	DrugBank
FGA	DrugBank
FGF1	DrugBank
FGF2	DrugBank
FGF4	DrugBank
FGFR1	DrugBank
FGFR2	DrugBank
FLT1	DrugBank
FLT4	DrugBank
FN1	DrugBank
FPGS	DrugBank
FRK	DrugBank
FTSI	DrugBank
GABBR1	DrugBank
GABBR2	DrugBank
GABRA1	DrugBank
GABRA2	DrugBank
GABRA3	DrugBank
GABRA4	DrugBank
GABRA5	DrugBank
GABRA6	DrugBank
GABRB1	DrugBank
GABRB2	DrugBank
GABRB3	DrugBank
GABRD	DrugBank
GABRE	DrugBank
GABRG1	DrugBank
GABRG3	DrugBank
GABRP	DrugBank
GABRQ	DrugBank
GABRR1	DrugBank
GABRR2	DrugBank
GABRR3	DrugBank
GAD65	DrugBank
GDNF	DrugBank
GGPS1	DrugBank
GLO1	DrugBank
GLP2R	DrugBank
GLRA1	DrugBank

GLRA2	DrugBank
GLRA3	DrugBank
GNRHR	DrugBank
GNRHR2	DrugBank
GPT	DrugBank
GPT2	DrugBank
GRIA2	DrugBank
GRIK2	DrugBank
GRIN1	DrugBank
GRIN2A	DrugBank
GRIN2B	DrugBank
GRIN2C	DrugBank
GRIN2D	DrugBank
GRIN3A	DrugBank
GRIN3B	DrugBank
GSTP1	DrugBank
GUCY2C	DrugBank
HABP2	DrugBank
HABP4	DrugBank
HAPLN1	DrugBank
HAPLN3	DrugBank
HAPLN4	DrugBank
HDAC2	DrugBank
HLA-DRB1	DrugBank
HMGCR	DrugBank
HMMR	DrugBank
HRH1	DrugBank
HRH2	DrugBank
HRH3	DrugBank
HRH4	DrugBank
HSPA5	DrugBank
HTR1A	DrugBank
HTR1B	DrugBank
HTR1D	DrugBank
HTR1E	DrugBank
HTR1F	DrugBank
HTR2A	DrugBank
HTR2B	DrugBank
HTR2C	DrugBank
HTR3A	DrugBank
HTR6	DrugBank
HTR7	DrugBank
ICAM1	DrugBank
IFNG	DrugBank
IKBKB	DrugBank
IL10	DrugBank
IL1B	DrugBank
IL1R1	DrugBank
IL5	DrugBank
IL6	DrugBank
IMPDH1	DrugBank

IMPDH2	DrugBank
IMPG2	DrugBank
JAK1	DrugBank
JAK2	DrugBank
JAK3	DrugBank
KCNA1	DrugBank
KCND2	DrugBank
KCND3	DrugBank
KCNH2	DrugBank
KCNJ1	DrugBank
KCNJ11	DrugBank
KCNJ8	DrugBank
KCNMA1	DrugBank
KCNQ1	DrugBank
KCNQ2	DrugBank
KCNQ3	DrugBank
KCNQ4	DrugBank
KCNQ5	DrugBank
KDR	DrugBank
KEAP1	DrugBank
KIT	DrugBank
LAYN	DrugBank
LHCGR	DrugBank
LTF	DrugBank
MAOA	DrugBank
MAOB	DrugBank
MAPK11	DrugBank
MAPK14	DrugBank
MPL	DrugBank
MRCA	DrugBank
MRCB	DrugBank
MRDA	DrugBank
MT-CO2	DrugBank
MT-ND5	DrugBank
MUC2	DrugBank
N/A	DrugBank
NAGK	DrugBank
NAGLU	DrugBank
NAGPA	DrugBank
NCAN	DrugBank
NFKB1	DrugBank
NFKB2	DrugBank
NFKBIA	DrugBank
NGF	DrugBank
NISCH	DrugBank
NOS1	DrugBank
NOS2	DrugBank
NPRS	DrugBank
NPY2R	DrugBank
NR3C1	DrugBank
NTF3	DrugBank

NTF4	DrugBank
NTRK1	DrugBank
NTRK2	DrugBank
OPRD1	DrugBank
OPRK1	DrugBank
OPRL1	DrugBank
OPRM1	DrugBank
ORM1	DrugBank
ORM2	DrugBank
PAGA	DrugBank
PBP1B	DrugBank
PBP2A	DrugBank
PBP3	DrugBank
PBPA	DrugBank
PCCB	DrugBank
PDE3A	DrugBank
PDE4A	DrugBank
PDE5A	DrugBank
PDE6G	DrugBank
PDE6H	DrugBank
PDGFRA	DrugBank
PDGFRB	DrugBank
PDPK1	DrugBank
PENA	DrugBank
PGF	DrugBank
PGR	DrugBank
PGRMC1	DrugBank
PKN3	DrugBank
PLA2G1B	DrugBank
PLA2G2A	DrugBank
PLA2G2E	DrugBank
PLA2G4A	DrugBank
PLAT	DrugBank
POL	DrugBank
POLB	DrugBank
POMC	DrugBank
PONB	DrugBank
POR	DrugBank
PPARA	DrugBank
PPARG	DrugBank
PRKAA1	DrugBank
PRKAA2	DrugBank
PRKAB1	DrugBank
PRKAB2	DrugBank
PRKAG2	DrugBank
PRKAG3	DrugBank
PTGDR2	DrugBank
PTGER1	DrugBank
PTGIS	DrugBank
PTGR2	DrugBank
PTGS1	DrugBank

PTGS2	DrugBank
PTH1R	DrugBank
PTPRS	DrugBank
RAF1	DrugBank
RENBP	DrugBank
RET	DrugBank
RHOB	DrugBank
RNASE3	DrugBank
RPS6KA3	DrugBank
RXRA	DrugBank
SCN10A	DrugBank
SCN1A	DrugBank
SCN2A	DrugBank
SCN3A	DrugBank
SCN4A	DrugBank
SCN5A	DrugBank
SCN8A	DrugBank
SCN9A	DrugBank
SERPINF2	DrugBank
SI	DrugBank
SIGMAR1	DrugBank
SLC18A2	DrugBank
SLC25A4	DrugBank
SLC25A5	DrugBank
SLC25A6	DrugBank
SLC6A2	DrugBank
SLC6A3	DrugBank
SLC6A4	DrugBank
SMPD1	DrugBank
SNAP25	DrugBank
SNF	DrugBank
SST	DrugBank
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SSTR2	DrugBank
SSTR3	DrugBank
SSTR5	DrugBank
STAB2	DrugBank
SYT2	DrugBank
TAAR1	DrugBank
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TK	DrugBank
TLR2	DrugBank
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TLR7	DrugBank
TLR8	DrugBank
TLR9	DrugBank
TNF	DrugBank
TNFAIP6	DrugBank

TNFSF11	DrugBank
TNFSF13B	DrugBank
TNNC1	DrugBank
TP53	DrugBank
TPMT	DrugBank
TPO	DrugBank
TRDMT1	DrugBank
TRIM13	DrugBank
TRPA1	DrugBank
TRPM8	DrugBank
TRPS	DrugBank
TRPV3	DrugBank
TSPO	DrugBank
TUBB	DrugBank
TUBB1	DrugBank
TYMS	DrugBank
UGT1A9	DrugBank
UL30	DrugBank
VAMP1	DrugBank
VAMP2	DrugBank
VARS	DrugBank
VCAN	DrugBank
VDAC1	DrugBank
VDAC2	DrugBank
VDAC3	DrugBank
VDR	DrugBank
VEGFA	DrugBank
VEGFB	DrugBank
WARS	DrugBank
WARS2	DrugBank
AAS	OMIM
ABCG5	OMIM
ACADVLD	OMIM
ACCN1	OMIM
ACCN2	OMIM
ACCN3	OMIM
ACTC1	OMIM
ACTG2	OMIM
ADCAD1	OMIM
ADCY1	OMIM
ADCY8	OMIM
ADHR	OMIM
ADM	OMIM
ADORA2A	OMIM
AGER	OMIM
AGS5	OMIM
AKT1	OMIM
AKU	OMIM
ALAD	OMIM
ALDD	OMIM
ALDOB	OMIM

ALMS	OMIM
ALPL	OMIM
ALS21	OMIM
AN	OMIM
ANKH	OMIM
APOA5	OMIM
APOC2	OMIM
APOE	OMIM
AR	OMIM
ARH	OMIM
ARHR1	OMIM
ARRB2	OMIM
ARSA	OMIM
ARTN	OMIM
ARVD5	OMIM
ATL1	OMIM
ATP2A1	OMIM
ATS	OMIM
B2M	OMIM
BCNS	OMIM
BCPM	OMIM
BDCHS	OMIM
BDKRB1	OMIM
BDKRB2	OMIM
BDMR	OMIM
BDNF	OMIM
BMD	OMIM
BOS	OMIM
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BRRS	OMIM
BTG2	OMIM
BTK	OMIM
BWS	OMIM
CACNA1A	OMIM
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CACNA2D3	OMIM
CACNA2D4	OMIM
CACNB3	OMIM
CACNG2	OMIM
CACP	OMIM
CALJA	OMIM
CAMK4	OMIM
CARASIL	OMIM
CAV3	OMIM
CBS	OMIM
CCAL2	OMIM
CCR2	OMIM
CCR5	OMIM

CCT4	OMIM
CD	OMIM
CD209	OMIM
CD40LG	OMIM
CDB2	OMIM
CDG1O	OMIM
CDK5	OMIM
CDK5R1	OMIM
CDSP	OMIM
CECR1	OMIM
CF	OMIM
CFTD	OMIM
CHRNA10	OMIM
CHRNA9	OMIM
CINCA	OMIM
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CISS1	OMIM
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CLCNKB	OMIM
CMD1A	OMIM
CMD1S	OMIM
CMD1Y	OMIM
CMD3B	OMIM
CMH1	OMIM
CMH18	OMIM
CMH4	OMIM
CMT1A	OMIM
CMT1B	OMIM
CMT2A2	OMIM
CMT2B	OMIM
CMT2F	OMIM
CMT2O	OMIM
CMT2P	OMIM
CMT4B3	OMIM
CMT4J	OMIM
CMTRIA	OMIM
CMTRIB	OMIM
CNNM4	OMIM
CNR1	OMIM
CNR2	OMIM
CNTN1	OMIM
COL11A2	OMIM
COL1A1	OMIM
COL1A2	OMIM
COL2A1	OMIM
COL3A1	OMIM
COL5A2	OMIM
COL6A1	OMIM

COL9A2	OMIM
COL9A3	OMIM
COMP	OMIM
COMT	OMIM
COX20	OMIM
COX6B1	OMIM
CPS1	OMIM
CPT2	OMIM
CRLF1	OMIM
CSF2	OMIM
CSF2RA	OMIM
CSF3	OMIM
CSF3R	OMIM
CSNK1D	OMIM
CSS	OMIM
CTS1	OMIM
CTSC	OMIM
CVS	OMIM
CWS1	OMIM
CYP19A1	OMIM
CYP2D6	OMIM
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DDH1	OMIM
DDH2	OMIM
DIAR6	OMIM
DIAR7	OMIM
DJS	OMIM
DLD	OMIM
DLDD	OMIM
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DM2	OMIM
DMD	OMIM
DPYSL2	OMIM
DRGX	OMIM
DRP2	OMIM
DSMA1	OMIM
DUH3	OMIM
DYNC1H1	OMIM
DYT16	OMIM
EA1	OMIM
EDM2	OMIM
EDM3	OMIM
EDM5	OMIM
EDM6	OMIM
EDMD1	OMIM
EDN1	OMIM
EDNRB	OMIM
EGR2	OMIM
EIEE11	OMIM
EIF2AK3	OMIM
ELANE	OMIM

EMD	OMIM
EOE1	OMIM
ERBB4	OMIM
ESCO2	OMIM
ESTRR	OMIM
F12	OMIM
F2RL1	OMIM
F7	OMIM
FAAH	OMIM
FASPS2	OMIM
FBN1	OMIM
FBN2	OMIM
FCAS1	OMIM
FCAS2	OMIM
FEO	OMIM
FEPS1	OMIM
FEPS2	OMIM
FEPS3	OMIM
FGA	OMIM
FHM1	OMIM
FILS	OMIM
FMF	OMIM
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FRTS2	OMIM
FSHD2	OMIM
FSHR	OMIM
FTL	OMIM
FXN	OMIM
FXTAS	OMIM
G6PD	OMIM
GABBR1	OMIM
GABRA2	OMIM
GABRA3	OMIM
GAD2	OMIM
GAL	OMIM
GALR2	OMIM
GALR3	OMIM
GBA	OMIM
GBD1	OMIM
GBS	OMIM
GCH1	OMIM
GDNF	OMIM
GHDD	OMIM
GHSR	OMIM
GLA	OMIM
GLB1	OMIM
GLRA3	OMIM
GNAI2	OMIM
GNAO1	OMIM
GNE	OMIM
GNPTAB	OMIM

GNPTAG	OMIM
GNPTG	OMIM
GPIHBP1	OMIM
GPR74	OMIM
GRP	OMIM
GRPR	OMIM
GSD	OMIM
GSD10	OMIM
GSD11	OMIM
GSD2	OMIM
GSD3	OMIM
GSD5	OMIM
GSD7	OMIM
GSD9D	OMIM
GSTA1	OMIM
HADHA	OMIM
HADHB	OMIM
HAE1	OMIM
HAE3	OMIM
HBB	OMIM
HBG2	OMIM
HCN2	OMIM
HCP	OMIM
HEMA	OMIM
HEXB	OMIM
HFE1	OMIM
HFE2A	OMIM
HFE4	OMIM
HFTC	OMIM
HHT	OMIM
HIDS	OMIM
HJCYS	OMIM
HLRCC	OMIM
HMAG	OMIM
HMBS	OMIM
HMN2D	OMIM
HMSNR	OMIM
HNA	OMIM
HNF1A	OMIM
HOMER1	OMIM
HOMG3	OMIM
HPGD	OMIM
HRPT2	OMIM
HSA	OMIM
HSAN1A	OMIM
HSAN1C	OMIM
HSAN2A	OMIM
HSAN2B	OMIM
HSAN3	OMIM
HSAN5	OMIM
HSAN6	OMIM

HSAN7	OMIM
HSN1D	OMIM
HSN1E	OMIM
HSN1F	OMIM
HSN2C	OMIM
HTR1B	OMIM
HTR1E	OMIM
HTR2A	OMIM
HTR3A	OMIM
HYPP	OMIM
IBD1	OMIM
IBMPFD1	OMIM
ICP3	OMIM
IDD	OMIM
IFNGR1	OMIM
IL1B	OMIM
IL33	OMIM
JBS	OMIM
JPS	OMIM
KCNIP3	OMIM
KCNJ1	OMIM
KCNJ2	OMIM
KIF1A	OMIM
KIT	OMIM
KNG1	OMIM
KRAS	OMIM
L1CAM	OMIM
LAM	OMIM
LBR	OMIM
LDS2	OMIM
LDS3	OMIM
LEP	OMIM
LGMD2H	OMIM
LGMD2L	OMIM
LGMD2S	OMIM
LIFR	OMIM
LPIN1	OMIM
LPL	OMIM
LRP1	OMIM
LYZ	OMIM
MADA	OMIM
MADD	OMIM
MAPT	OMIM
MARS	OMIM
MAS	OMIM
MAS1L	OMIM
MBS	OMIM
MC1R	OMIM
MCKD1	OMIM
MCM6	OMIM
MDDGC5	OMIM

MDDGC7	OMIM
MECP2	OMIM
MEFV	OMIM
MEN1	OMIM
MEN2A	OMIM
MEN2B	OMIM
MFM1	OMIM
MFM5	OMIM
MFN2	OMIM
MFS	OMIM
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MJD	OMIM
MLYCD	OMIM
MMDD	OMIM
MMP2	OMIM
MMP9	OMIM
MNG1	OMIM
MNS	OMIM
MODY8	OMIM
MOPD2	OMIM
MOWS	OMIM
MPD4	OMIM
MPO	OMIM
MPS9	OMIM
MRD18	OMIM
MRD24	OMIM
MRGPRD	OMIM
MRGPRE	OMIM
MRGPRF	OMIM
MRGPRG	OMIM
MRGPRX1	OMIM
MRGPRX2	OMIM
MRGPRX3	OMIM
MRGPRX4	OMIM
MRMV1	OMIM
MRMV2	OMIM
MTCYB	OMIM
MTDPS1	OMIM
MTDPS12	OMIM
MTDPS4A	OMIM
MTDPS4B	OMIM
MTDPS6	OMIM
MTTK	OMIM
MVCD1	OMIM
MVP	OMIM
MWS	OMIM
MYH7	OMIM
MYOT	OMIM
NAV2	OMIM
NF1	OMIM

NF2	OMIM
NFKB1	OMIM
NGF	OMIM
NLRP12	OMIM
NLSDM	OMIM
NPS	OMIM
NPY	OMIM
NPY1R	OMIM
NR0B1	OMIM
NS1	OMIM
NS4	OMIM
NTRK1	OMIM
OD	OMIM
OFD1	OMIM
OI13	OMIM
OMPP	OMIM
OPA1	OMIM
OPLAHD	OMIM
OPRD1	OMIM
OPRK1	OMIM
OPRM1	OMIM
OPTA1	OMIM
OPTA2	OMIM
OPTB6	OMIM
OS1	OMIM
OS3	OMIM
OSCS	OMIM
OSMED	OMIM
P2RX3	OMIM
P2RX4	OMIM
P2RX5	OMIM
PAN	OMIM
PARK6	OMIM
PCLD	OMIM
PCTT	OMIM
PDB	OMIM
PENK	OMIM
PEOA3	OMIM
PEOA4	OMIM
PEPS	OMIM
PFKM	OMIM
PGAM2	OMIM
PGL1	OMIM
PGL4	OMIM
PHOAR1	OMIM
PJS	OMIM
PKD1	OMIM
PKD2	OMIM
PKHD1	OMIM
PLOD3	OMIM
PLOSL	OMIM

PMC	OMIM
PMPCB	OMIM
PNH1	OMIM
PNH2	OMIM
PNMHH	OMIM
PNOC	OMIM
PNPLA6	OMIM
POMK	OMIM
PPAC	OMIM
PPKNEFD	OMIM
PPOX	OMIM
PRKCE	OMIM
PRKCZ	OMIM
PRLHR	OMIM
PROK2	OMIM
PROL1	OMIM
PRX	OMIM
PSACH	OMIM
PTGER1	OMIM
PTGER2	OMIM
PTGES	OMIM
PTGIR	OMIM
PTGS1	OMIM
PTGS2	OMIM
PWS	OMIM
PYGM	OMIM
RAD54L	OMIM
RCDP1	OMIM
RHUC1	OMIM
RLN2	OMIM
RMD	OMIM
RMD1	OMIM
ROR2	OMIM
RRS	OMIM
RTPS2	OMIM
RVCL	OMIM
SCAR4	OMIM
SCDO5	OMIM
SCN1	OMIM
SCN10A	OMIM
SCN11A	OMIM
SCN1B	OMIM
SCN2A	OMIM
SCN4A	OMIM
SCN9A	OMIM
SDHB	OMIM
SHANK3	OMIM
SIM2	OMIM
SLC12A3	OMIM
SLC16A1	OMIM
SLC17A6	OMIM

SLC17A8	OMIM
SLC34A2	OMIM
SMA3	OMIM
SMARCB1	OMIM
SMAX1	OMIM
SMDP2	OMIM
SMN1	OMIM
SMPD1	OMIM
SMS	OMIM
SOS1	OMIM
SOST	OMIM
SOX9	OMIM
SPDA1	OMIM
SPG3A	OMIM
SPG4	OMIM
SPG7	OMIM
SPG8	OMIM
SPINK1	OMIM
SPS	OMIM
SPTLC1	OMIM
SRXX2	OMIM
SSX1	OMIM
STL1	OMIM
STL3	OMIM
STOML3	OMIM
STRMK	OMIM
TAC1	OMIM
TACR1	OMIM
TDH3	OMIM
TGD	OMIM
TH	OMIM
THPH3	OMIM
TIMM8A	OMIM
TLR4	OMIM
TNFRSF11B	OMIM
TNFRSF1A	OMIM
TNNC1	OMIM
TNXB	OMIM
TREH	OMIM
TRPA1	OMIM
TRPC1	OMIM
TRPM2	OMIM
TRPM5	OMIM
TRPM8	OMIM
TRPS1	OMIM
TRPV2	OMIM
TRPV4	OMIM
TTR	OMIM
TYRSN1	OMIM
UFS1	OMIM
UROD	OMIM

VANGL1	OMIM
VDDR2A	OMIM
VHL	OMIM
VSCM	OMIM
VUR4	OMIM
WNK1	OMIM
WVS	OMIM
XMPMA	OMIM
YARS2	OMIM

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Table S2 List of dysregulated genes in spinal nerve ligation mice compared to sham treatment mice

Upregulated genes	Downregulated genes
1700007G11Rik	0610010F05Rik
1700021K19Rik	1700007K09Rik
2210015D19Rik	2810408B13Rik
2210018M11Rik	2900041M22Rik
2610034M16Rik	3010026O09Rik
2700038G22Rik	4833405L11Rik
2810002D19Rik	4833417J20Rik
2810408M09Rik	4930404N11Rik
2810410P21Rik	4930452B06Rik
2900026A02Rik	6330566A10Rik
3110043O21Rik	8430419K02Rik
4930506C21Rik	9430065F17Rik
4933413G19Rik	A130012F09
4933416I08Rik	A930006K02Rik
4933427D14Rik	Abca3
5031425E22Rik	Acaca
8430419L09Rik	Adam15
9330102E08Rik	Add2
9430012M22Rik	Agap1
9530080O11Rik	Agpat6
9530083O12Rik	Ahnak
A230072E10Rik	Aifm3
A830019P07Rik	Akap13
Abhd1	Alkbh8
Abhd13	Angptl4
Abhd14a	Ankrd24
Abr	Apc
Acot5	Arhgef10l
Actn2	Aspg
Adat1	Atad2b
Adcy1	Bst1
Adra2a	Btbd7
Aif1l	Btg2
Aldh1l2	C2
Ank1	C530005A16Rik
Ankrd23	Cachd1
Ap5m1	Ccdc15
Aprt	Ccdc176
Arc	Ccdc82
Asb1	Ccl11
Asb16	Cd2ap
Asna1	Cd86
Atat1	Cdc42bpg
Atp5b	Cdcp1
AU021092	Chd7
B4galt3	Chl1
Bckdhb	Cirbp
Bfsp2	Cox16
Bfsp2	Cpeb2
Bmp3	Creb3l1
Bpgm	Crybb3
Braf	Csde1
Bsg	Csn3
Btbd9	Csnk1a1
Bysl	Cxcl1
C1qtnf3	Cyp26a1
Calr	D030074K08Rik
Camk2d	D19Ertd409e
Ccdc65	Daam1
Ccdc88c	Dach2
Ccnl2	Dbt
Cdc42ep1	Dcn
Cdh4	Ddx3y
Cdh5	Dhfr
Cenpl	Dync1h1
Cep41	E330021D16Rik
Chid1	Eea1
Chp1	Egfr
Chrna4	Eif3a
Clstn2	Eml2
Cnot8	Epb4.1
Col26a1	Erbb2ip
Commd7	Exoc1

Crkl	Exosc5
Csnk1g1	Fam114a2
Ctnnd1	Fam208a
Cyp27a1	Fam71e1
D19Bwg1357e	Filip1
D930031A20Rik	Fkbp15
Dalrd3	Flot1
Dcaf17	Fnbp1l
Dcdc2a	Fndc3a
Ddo	Fopnl
Dennd2c	Foxd1
Dennd5a	Gdf15
Dhx15	Gfra1
Dmap1	Gjb6
Dmc1	Gldc
Dnah6	Gm13152
Dnaja4	Gm4285
Dnajc27	Gm5665
Dok5	Gm8179
Dpp7	Gpbp1l1
Dram1	Gpr133
Dusp11	Gprc5d
Dusp18	Gstt2
Dusp19	Gsx1
Dusp23	Gtf2h5
Dvl3	H2-Bl
E030003E18Rik	H2-Bl
Ears2	Hcn1
Ecm2	Heatr5b
Eif2a	Herc6
Elmod1	Hgf
Elmod1	Hjurp
Endov	Hnrnpa1
Ep400	Hoxb8
Epm2a	Hspg2
Exosc3	Ifih1
Fads6	Il1r1
Faim2	Il4ra
Fam101b	Itfg2
Fam126b	Izumo4
Fam181a	Izumo4
Fam185a	Kcnj4
Fam206a	Kdm4c
Fntb	Kif22
Folr1	Klc1
Fstl4	Klhl15
Fut4	Klhl7
Gal3st4	Lair1
Galnt6	Lgals4
Gas7	Lmtk2
Gen1	LOC102632383
Gja5	LOC102635301
Gjb1	LOC102640779
Gjc2	LOC102642631
Glis2	LOC664628
Glo1	Lrrtm4
Glp1r	Lsamp
Glrb	Ltc4s
Gm10404	Lum
Gm4651	Lyve1
Gm5577	Map1b
Gm9946	Map2
Gng7	Matn4
Golgb1	Mctp2
Gpd1	Mettl7a1
Gpr137	Mettl7a2
Gpr137	Mob1b
Gpr37l1	Mpdu1
Grm4	Msln
Gskip	Mszf81
Gtf2i	Mtor
Gtpbp1	Mtrr
H2-M10.6	Myo9a
Haao	Ncf1
Hc	Ncmap

Hebp2	Nek1
Hif1an	Npat
Hoxa3	Nxph4
Hoxb6	Olfr1148
Hoxb9	Olfr1226
Hs1bp3	Olfr821
Hs3st2	Olfr847
Hspa1a	Omd
Hspa4l	Osgin1
Hspa4l	Ovgp1
Htr1d	Pan3
Ifi203	Pan3
Ift74	Pcdh10
Ighm	Pde1a
Iglon5	Pde1a
Ikzf4	Pde1a
Il2rg	Pde1c
Imp4	Pdpk1
Itga10	Pfas
Jazf1	Pgm2
Jph2	Pgr
Kcnk5	Pik3cb
Kcns2	Pilrb2
Klc2	Plekhg6
Klhl32	Pnlip
Lamc3	Pnpla6
Lcat	Pofut2
Lcor	Polr3b
Ldb3	Pot1a
Lemd3	Ppp1r18os
Lipf	Ppt1
LOC102634401	Prex2
LOC102634727	Prrg4
Lrguk	Prune2
Lrrc51	Rac3
Ltbp4	Rad52
Magee2	Rbbp4
Mapk8	Rbm26
Mbd5	Rdh18-ps
Mesdc1	Rnd1
Mettl5os	Rprd2
Mis18bp1	Rps6kb1
Mkl2	Rspo3
Mmaa	Rufy2
Mmp17	Scgb1c1
Mob3b	Sel1l
Mon1b	Selp
Mrpl3	Sft2d1
Mrrf	Slc51b
Mutyh	Slc6a19
Myb	Slmap
N28178	Smc2
Ncs1	Snx24
Ndrg3	Sp4
Nek11	Spink10
Nkx2-9	Sprr2g
Nmrk2	Srsf10
Nrip2	Stk3
Nsun4	Stxbp5
Olfr1509	Suv420h1
Olfr229	Syt4
Olfr411	Tdrd12
Otog	Tet2
Oxct1	Tex19.2
P4ha1	Thbs2
P4ha1	Thnsl2
Paqr3	Tmem44
Pdgfra	Tmod2
Phc3	Tmx1
Pigt	Tnpo2
Pik3ap1	Txnip
Pik3c2b	Usp53
Pkd2l2	Vgll1
Pkd2l2	Wdr62
Plekha2	Wnt5b

Pmepa1	Wrn
Pnp	Xrcc3
Pogz	Zbtb8a
Ppp1r10	Zfand5
Ppp1r32	Zfp112
Ppp1r42	Zfp119a
Ppp2r3d	Zfp26
Prcp	Zfp28
Prmt3	Zfp280d
Proser2	Zfp318
Prr5l	Zfp326
Psmc5	Zfp334
Ptgfr	Zfp788
Ptx4	Zfp820
Pus1	
Rab38	
Rabl2	
Rad1	
Rassf2	
Rassf3	
Rassf4	
Rcvrn	
Rfng	
Rftn1	
Rgl1	
Rilpl1	
Ring1	
Rpap1	
Rprd1b	
Sap18	
Scarb2	
Scn1b	
Scrt1	
Sec13	
Sfrp5	
Sft2d2	
Sgpp2	
Sgsh	
Sh3rf3	
Slc13a5	
Slc22a8	
Slc25a25	
Slc26a1	
Slc26a3	
Slc27a5	
Slc6a15	
Smim7	
Sned1	
Sox14	
Sox6	
Spata2	
Spata9	
Srpr	
Ssbp2	
St13	
Stx16	
Supt20	
Tbata	
Tceanc2	
Tcte1	
Tek	
Terf2	
Tex36	
Tgfa	
Thap2	
Thnsl1	
Tjp2	
Tlr3	
Tlr5	Xrcc3
Tmcc2	
Tmem106c	
Tmem117	
Tmem129	
Tmem170	
Tmem33	

Tmem88b	
Tnc	
Tnfrsf21	
Tnfrsf25	
Toe1	
Tomm40	
Trav3n-3	
Trim6	
Tspan9	
Ttc30a1	
Tunar	
Ubap2l	
Ube2v1	
Ucn3	
Uncx	
Vpreb3	
Vps13b	
Vps13d	
Wars	
Wdr16	
Wdr4	
Wdr83	
Wfdc2	
Wwp2	
Ybey	
Yipf1	
Ypel2	
Zdhhc5	
Zfp330	
Zfp384	
Zfp449	
Zfp712	
Zmat3	

Table S3 List of hubs and the corresponding degree values

Node	Degree
KNG1	92
ADCY8	83
ADCY1	83
AKT1	83
POMC	79
BDKRB2	78
BDKRB1	77
TRP53	76
GNAI2	70
IL6	64
VEGFA	59
DRD2	58
CCR5	57
NPS	57
NOS1	56
CCR2	55
DRD4	55
EDN1	55
CNR1	53
SST	53
CXCR1	53
NPY	53
MAPK14	53
HTR1B	52
HTR1A	52
TNF	52
EGFR	52
HTR1F	51
GAL	51
DRD3	51
OPRM1	51
HTR1D	50
PTGS2	50
CHRM4	50
CHRM2	50
OPRK1	50
CXCL1	49
ADORA1	48
GRM4	48
CNR2	48
HC	48
NPY1R	48
SSTR2	48
GPR44	47
NPY2R	47
PENK	47
FGF2	47
SSTR5	47
SSTR3	47

SSTR1	47
GALR2	47
OPRL1	47
TAS2R113	47
ADRA2C	47
ADRA2B	47
ADRA2A	47
HRH4	47
HRH3	47
OPRD1	47
PNOC	47
NFKB1	44
PPARA	43
MMP9	43
LEP	43
MMP2	41
BCL2	40
EDNRA	39
KRAS	39
PIK3CB	38
JAK2	38
SOS1	38
HTR2A	37
MTOR	37
EDNRB	37
ICAM1	36
HTR2C	35
MAPK8	35
CALCA	35
PTPN6	35
F2RL1	35
HTR2B	34
PTGER1	34
CHRM1	34
TACR1	34
KDR	33
CYSLTR1	33
TAC1	33
GRPR	32
GHSR	32
PTGFR	32
TLR4	32
HRH1	32
ADRA1B	32
GRP	32
PROK2	31
DRD1A	31
AVPR1B	31
AVPR1A	31
NPFFR2	31
CHRM5	31

CHRM3	31
GNRHR	31
ADRB2	31
ADRA1D	31
ADRA1A	31
TACR3	31
ESR1	30
GNAO1	30
PTGIR	30
AR	30
ADRB3	30
ADORA2A	30
CCL2	29
CSF2	29
GLP1R	29
PTGER2	29
HTR7	29
JAK1	29
GNB5	29
FSHR	29
ABL1	28
ADRB1	28
ADM	28
PTH1R	27
HTR6	27
LHCGR	27
AVPR2	27
IL1B	27
NGF	27
GNG7	27
BDNF	27
TAAR1	26
GLP2R	26
CALCR	26
CALCB	26
DRD5	26
MC1R	26
HRH2	26
RHOB	26
TLR2	25
KIT	24
MAPK11	24
JAK3	24
GRIN1	24
CAMK2D	23
CD44	22
DCN	22
RAC3	22
CDK5	22
NFKBIA	22
IL10	22

Gene	Value
RXRA	22
CRKL	22
FLT1	21
HSPG2	21
PGR	21
PPARG	21
PDGFRB	21
ARRB2	20
FGF1	20
CACNA1C	20
ACTN2	20
ACACA	20
GRIN2B	20
COL1A1	19
HGF	19
VEGFB	19
MYB	19
PDGFRA	19
COL1A2	18
NR3C1	18
PGF	18
ERBB4	18
FGFR1	18
IKBKB	18
COL3A1	18
NOS2	17
TLR3	17
APOE	17
GRIN2A	17
ESR2	16
CDH5	16
LPL	16
IFNG	16
TEK	16
CYP1A2	15
FLT4	15
CSF1R	15
PDPK1	15
CSF3	15
PRKAA1	15
DVL3	15
HDAC2	15
KCNH2	14
KCND3	14
HSPA5	14
FGF4	14
FGFR2	14
THBS2	14
PRKAG2	14
NTRK1	14
PRKCE	14

PRKAA2	14
CTNND1	14
GRIN2C	14
ITGA10	14
NFKB2	13
NR0B1	13
SLC6A4	13
CFTR	13
MPL	13
PTGS1	13
CAV3	13
A2M	13
KCND2	13
RAF1	13
COL2A1	13
PLA2G4A	13
COL11A2	13
FN1	13
EPHA2	13
PRKAG3	13
PRKAB2	13
IL4RA	13
SOX9	13
COL6A1	13
CSF2RA	13
CSF3R	12
OSMR	12
KCNA1	12
COL5A2	12
IFNGR1	12
PRKAB1	12
LIFR	12
CYP19A1	12
COL9A3	11
COL9A2	11
NTF3	11
CACNG2	11
CACNA1B	11
B2M	11
NF1	11
DPYSL2	11
IL5	11
CSNK1D	11
NTRK2	11
GRIA2	11
KCNQ1	11

Table S4 List of dysregulated genes in Wu-tou Decoction treatment mice compared to spinal nerve ligation mice

Upregulated genes	Downregulated genes
1700020I14Rik	1700011I03Rik
2810006K23Rik	1700019N19Rik
2810410P21Rik	1700030J22Rik
4930506C21Rik	1700112J16Rik
4930506M07Rik	2010107G23Rik
4930539J05Rik	2310022A10Rik
9930032E11Rik	2900056M20Rik
A530017D24Rik	3110043O21Rik
A630081D01Rik	4930404N11Rik
AU040320	4930452B06Rik
Abcb7	4930570G19Rik
Ablim1	6430548M08Rik
Adamts1	9030624J02Rik
Aldh1l2	A430057M04Rik
Aox4	A630001G21Rik
Arhgef6	Abca7
Arhgef9	Abhd13
B130052P14Rik	Acot10
Baz2a	Acot11
Bclaf1	Adrbk1
Bfsp2	Adrm1
Bsn	Agtrap
C030041B07Rik	Aim1l
C130021H21Rik	Akap1
C330007P06Rik	Amigo1
C530025M09Rik	Ap1g1
Cbx3	Arih1
Ccar1	Arl1
Ccdc141	Arl4a
Ccdc171	Arl5c
Ccnt1	Arpp19
Cdc42se2	Asph
Cdc6	Atf2
Cdh18	Atp13a2
Cdk5rap2	Atp5b
Ceacam2	B3galnt1
Cep162	Bag4
Cep250	Bag6
Cep85l	Bcr
Chordc1	Bid
Col11a2	Blcap
D10Wsu102e	Brpf3
D8Ertd82e	C2
Daam1	Cacnb2
Dach1	Cacng3
Dcc	Cbln1
Ddx23	Cbln2
Ddx58	Cckbr
Depdc1b	Ccnh
Dis3l2	Cct4
Dlgap2	Cdca4
Dmxl2	Cdh4
Dph3	Cenpu
Dpp8	Chp1
Dtd2	Clcc1
Edil3	Cldn1
Eif2ak1	Cmtm2b
Eif2s3x	Cmtm4
Ep400	Crhbp
Erbb3	Crkl
Fam161a	Cry2
Fam172a	Ctif
Fat1	Cyb5r3
Fbxl22	Cytip
Fbxo25	Ddah1
Fbxw15	Dedd2
Gabra1	Dnajc27
Galnt6	Dnajc5
Gatm	Drd2
Gbf1	E330021D16Rik
Gcnt1	Ecd
Gm15800	Egfl8
Gpatch2	Eif2ak4

Gpd1l	Eif6
Gpr82	Elac1
Grin2b	Endov
Gtpbp4	Entpd6
Hcfc1	Ephx4
Hectd2	Ept1
Hook3	Esd
Hsf2	Fads6
Huwe1	Fam163b
Ifi44	Fam177a
Impg2	Fbxl14
Inpp1	Fgf13
Ipo8	Fgf3
Kcna2	Fgfr1
Kdelc1	Foxk1
Kmt2c	Fstl4
LOC102632642	Fxyd6
Layn	Fzd7
Lrrc8b	Gabarapl1
Lzts1	Gabra5
Map1a	Gfra4
Mdn1	Gjb6
Mki67	Glt8d2
Mrps5	Gm16039
Mrvi1	Gm4862
Msl1	Gm8300
Mtfr2	Gnas
Mvd	Gpr1
Myo1b	H2-M3
Nap1l3	Hjurp
Narg2	Homer2
Ncoa7	Hoxb8
Nfya	Icam4
Nog	Idi2
Nsd1	Ip6k1
Nubpl	Ipo4
Nupl1	Jade2
Oas1a	Kcnb1
Oas2	Kcnf1
Osbpl1a	Kcnh6
Pcdh12	Kcnt1
Pcdhga9	Kdelr3
Pde4b	Kif3c
Pdia4	Kif4
Phf3	Kif5c
Piga	Kpna6
Polr3g	LOC102633802
Ppp1r12b	Laptm4b
Ppp2cb	Lasp1
Proca1	Lmbr1
Ptn	Lox
Ptpn22	Lrrc3
Pvt1	Lyz1
Rab8a	Lyz2
Rassf4	Mab21l1
Rbm28	Mad2l1
Rgl1	Magee1
Rn45s	Man2a2
Rnf103	Mb21d2
Rnf4	Mc4r
Rsrc1	Mcemp1
Ryr3	Med13l
S1pr1	Med14
Sbno1	Med22
Serinc5	Mettl20
Serpinc1	Mettl7a2
Sh3tc1	Mknk1
Sla2	Mme
Slc9b2	Mphosph8
Slitrk2	Msc
Sox6	Mtch1
Sppl2a	Muc5ac
Sptbn1	Napa
Stil	Napg
Stk38	Ncald

Tcea3	Ncdn
Tdrd9	Nckap1
Tie1	Ncs1
Tmem161b	Ndrg4
Tmem217	Nek8
Tmprss5	Neurl1a
Toporsos	Neurod2
Trim30a	Npcd
Trim59	Nrl
Trove2	Nt5c3b
Tspan1	Nup43
Tspyl4	Nxph1
Ube2b	Nxph2
Ube2q2	Oip5
Ubr2	Olig2
Vegfa	Os9
Vps13c	Otud5
Vstm2a	Ovol2
Wdfy3	Pan2
Zfp318	Parl
Zfp609	Pcdh19
Zfp7	Pdpn
Zufsp	Pdxk
	Pex3
	Phf12
	Pias1
	Pias3
	Pigu
	Pin1
	Pithd1
	Pkia
	Plekhb2
	Pnlip
	Pnp
	Pon2
	Ppap2a
	Ppp2cb
	Praf2
	Prex2
	Prkar1b
	Prosc
	Prps1
	Psma3
	Ptpn3
	Pygb
	Rab11fip5
	Rab38
	Rab3c
	Raf1
	Rap1gap
	Rap1gap2
	Rassf6
	Ric3
	Rims3
	Rit2
	Rnaseh2a
	Rnf114
	Rnf181
	Rps6kl1
	Rragd
	Rxra
	Sbf2
	Sec22a
	Sec23a
	Serpina3j
	Sesn1
	Sgce
	Six4
	Slc19a1
	Slc25a16
	Slc25a39
	Slc29a3
	Slc30a2
	Slc30a9
	Slc35f4

	Smcr8
	Snn
	Sowahb
	Sphkap
	St6galnac6
	Stard4
	Stc1
	Ston1
	Stx5a
	Syngr3
	Taf9
	Tax1bp1
	Tbc1d20
	Tfe3
	Tgs1
	Thrb
	Tmem128
	Tmem222
	Tmem26
	Tmub2
	Tmx2
	Tollip
	Tom1
	Tph2
	Trappc3
	Trim32
	Tro
	Trpc4ap
	Tspan3
	Tuba1c
	Tubb2a
	Tunar
	Tusc3
	Ube2ql1
	Uck1
	Usp12
	Vat1l
	Vgll3
	Vps11
	Vps18
	Wars
	Wdsub1
	Wnt5b
	Wwox
	Yipf1
	Zdhhc7
	Zdhhc8
	Zfand2a

Table S5 Topological features of 94 major nodes in the WTD-SNL-network

Node	Degree	nCloseness	nBetweenness	Coreness
A2m	10	3.86483407	0.731335998	6
Abl1	10	3.84734082	1.107792974	6
Adcy1	79	3.88894677	2.948341131	48
Adcy8	79	3.88894677	2.948341131	48
Adora2a	30	3.84062433	0.871294379	28
Adrb1	30	3.84101868	0.137759894	28
Adrb2	30	3.84101868	0.137759894	28
Adrb3	30	3.84101868	0.137759894	28
Adrbk1	39	3.85527277	0.331420302	33
Akt1	38	3.9597671	13.11651325	9
Ar	11	3.86084437	0.346051633	8
Arrb2	10	3.88007045	1.00346458	9
Bcl2	21	3.90804601	2.387921095	9
Bcr	9	3.84417725	0.251015693	6
Bdkrb1	79	3.88127851	1.153547525	48
Bdkrb2	79	3.88127851	1.153547525	48
Calca	32	3.84575844	2.345514297	28
Ccl2	13	3.89299464	1.584055543	9
Ccr2	53	3.88611794	1.500628948	48
Ccr5	53	3.88611794	1.500628948	48
Chrm1	34	3.84932065	0.041469287	33
Chrm3	34	3.84932065	0.041469287	33
Chrm5	34	3.84932065	0.041469287	33
Cxcl1	49	3.87484455	0.379442602	48
Drd1a	30	3.83589745	0.971275926	28
Drd2	51	3.90641332	2.197220802	48
Edn1	37	3.91459084	4.818490982	33
Ednrb	36	3.86683202	0.589920878	33
Egfr	24	3.90600514	2.763232708	8
Erbb3	8	3.85328674	0.05739947	6
Esr1	11	3.85487533	0.320744872	8
F2rl1	35	3.90355921	2.203831196	33
Fgf1	13	3.8307898	0.035405014	8
Fgf2	27	3.90030241	2.424484491	8
Fgf4	12	3.83039737	0.022334032	8
Fgfr1	11	3.82922077	0.064792603	8
Flt1	12	3.83786559	0.067977734	8
Flt4	10	3.8327527	0.026087986	8
Fn1	8	3.86483407	0.76381427	6
Fshr	29	3.83550406	0.36029008	28
Gnai2	57	3.91090655	5.257874489	48
Gnao1	10	3.87604928	0.577082157	8
Gnas	35	3.8477366	0.639530838	28
Hc	49	3.85646534	0.501784921	48
Hgf	8	3.84417725	0.042022102	8
Htr1f	49	3.85646534	0.043088529	48
Icam1	16	3.89461637	3.009595394	8
Ikbkb	8	3.8477366	0.117098697	6
Il1b	8	3.82843685	0.538988888	6

Il6	17	3.88127851	2.95264554	7
Jak2	19	3.88087583	2.322144508	7
Jak3	11	3.84062433	0.645284057	6
Kdr	19	3.91008878	2.054989815	8
Kit	16	3.85885262	0.53436625	8
Kng1	84	3.91787148	5.664847374	48
Kras	21	3.91377139	1.957557797	8
Mapk11	10	3.88854241	1.146100283	7
Mapk14	27	3.93601346	4.988200188	9
Mapk8	13	3.90845442	1.135702014	8
Mmp2	17	3.89421082	1.771540165	9
Mmp9	21	3.89908266	1.963966489	9
Mtor	11	3.86523366	1.345139027	6
Nfkb1	27	3.90968013	2.235308647	9
Nfkbia	11	3.86803174	0.38676247	6
Ngf	12	3.83471751	0.741111994	6
Nos1	20	3.89989567	3.753659964	9
Nps	61	3.87123489	2.372232914	33
Nr3c1	14	3.85130262	1.137782097	8
Oprk1	49	3.8572607	1.496752739	48
Oprm1	50	3.85845447	0.087431952	48
Pdgfra	11	3.82922077	0.036752708	8
Pdgfrb	13	3.84180784	0.154603839	8
Pdpk1	8	3.84575844	0.214855254	6
Pgf	12	3.823349	0.022920046	8
Pgr	11	3.84575844	0.16701816	8
Pik3cb	24	3.8740418	1.10900104	8
Pomc	75	3.88208437	1.58860445	48
Ppara	21	3.87886333	2.584760666	8
Ptger2	29	3.88531065	2.594103336	28
Ptgs2	26	3.93311596	6.595977306	9
Ptpn6	15	3.87524605	0.988463938	6
Rac3	13	3.85090613	0.810037971	6
Rhob	11	3.84259725	0.488927603	6
Rxra	19	3.82686996	0.85462749	8
S1pr1	51	3.91582036	3.470973015	48
Sos1	19	3.84575844	0.778500676	8
Sstr2	49	3.86323738	0.526861012	48
Tac1	34	3.84615374	0.501784921	33
Tacr1	34	3.88329363	0.885583758	33
Tek	10	3.82765317	0.046252396	8
Tnf	31	3.91746092	5.849211693	9
Trp53	38	3.93228889	17.25653839	9
Vegfa	29	3.93767118	4.63768959	9
Vegfb	16	3.87805891	0.613156497	8