

Table S19. GBM modules with enriched pathways in KEGG.

Module ID	m	k	x	Gene Ontology	p-value	Genes	p-value
2	32	98	6	Dna Replication	1.90E-07	MCM2, MCM4, POLA2, MCM3, MCM7, MCM6	1.77E-05
2	111	98	19	Cell Cycle	0.00E+00	TTK, ESPL1, BUB1, CDC7, ORC6L, BUB1B, PLK1, CHEK1, CCNA2, MCM2, MCM4, CDC6, CDC25C, MCM3, BUB3, MCM7, CDC20, MAD2L1, MCM6	0.00E+00
2	92	98	8	Oocyte Meiosis	7.65E-07	ESPL1, AURKA, BUB1, FBXO5, PLK1, CDC25C, CDC20, MAD2L1	4.74E-05
2	73	98	5	Progesterone Mediated Oocyte Maturation	3.12E-04	BUB1, PLK1, CCNA2, CDC25C, MAD2L1	1.45E-02
4	90	41	5	Toll Like Receptor Signaling Pathway	1.26E-05	CXCL11, IRF7, STAT1, TLR3, CXCL10	2.35E-03
5	32	56	5	Dna Replication	3.32E-07	LIG1, MCM7, MCM2, MCM4, MCM3	3.08E-05
5	111	56	9	Cell Cycle	1.83E-09	CHEK1, MCM7, CDK2, MCM2, MCM4, MCM3, TTK, PLK1, BUB1B	3.40E-07
7	98	43	4	Spliceosome	3.99E-04	LSM4, SFRS3, SNRPD1, SFRS2	2.47E-02
7	111	43	6	Cell Cycle	2.47E-06	MAD2L1, DBF4, CCNB1, PCNA, ORC4L, BUB1B	4.60E-04
7	92	43	4	Oocyte Meiosis	3.13E-04	MAD2L1, CCNB1, AURKA, PPP1CC	2.47E-02
8	236	73	7	Mapk Signaling Pathway	5.51E-04	PLA2G2A, IL1R2, HSPA6, IL1B, CD14, MAP3K8, FAS	1.14E-02
8	218	73	12	Cytokine Cytokine Receptor Interaction	6.37E-09	CXCL5, IL1R2, CCL20, IL10RA, TNFRSF1B, CCR5, IL1B, IL4R, CCR1, CCL2, FAS, IL13RA1	5.93E-07
8	156	73	9	Chemokine Signaling Pathway	3.90E-07	CXCL5, CCL20, HCK, CCR5, NCF1, WAS, CCR1, CCL2, LYN	2.42E-05
8	90	73	4	Toll Like Receptor Signaling Pathway	2.14E-03	IL1B, CD14, TLR1, MAP3K8	3.99E-02
8	78	73	6	Hematopoietic Cell Lineage	7.33E-06	IL1R2, IL1B, CD14, IL4R, ITGAM, CD44	2.73E-04
8	108	73	5	Natural Killer Cell Mediated Cytotoxicity	4.89E-04	ICAM1, PTPN6, SYK, PLCG2, FAS	1.14E-02
8	68	73	6	B Cell Receptor Signaling Pathway	3.28E-06	PTPN6, FCGR2B, SYK, BTK, PLCG2, LYN	1.52E-04
8	72	73	5	Fc Epsilon R1 Signaling Pathway	7.27E-05	PLA2G2A, SYK, BTK, PLCG2, LYN	1.93E-03
8	84	73	9	Fc Gamma R Mediated Phagocytosis	1.70E-09	HCK, NCF1, FCGR2B, WAS, SYK, PLCG2, LYN, PTPRC, FCGR2A	3.17E-07
8	63	73	5	Leishmania Infection	3.81E-05	IL1B, NCF1, PTPN6, ITGAM, FCGR2A	1.18E-03
10	32	73	4	Dna Replication	3.93E-05	FEN1, MCM3, MCM4, MCM2	3.66E-03
10	111	73	12	Cell Cycle	2.38E-12	CHEK1, ORC2L, CDK2, PLK1, BUB1B, SKP2, TFDP2, MCM3, HDAC1, MCM4, CCNA2, MCM2	4.43E-10

11	236	89	13	Mapk Signaling Pathway	1.70E-08	PLA2G5, BDNF, FGF14, FGF2, FAS, IKBKB, JUN, FGFR4, TNFRSF1A, RPS6KA3, RELB, MAPK1, FLNA	3.16E-06
11	80	89	6	ErbB Signaling Pathway	2.66E-05	SHC1, JUN, ERBB2, CBLC, MAPK1, CDKN1A	6.20E-04
11	156	89	6	Chemokine Signaling Pathway	1.03E-03	SHC1, PXN, PTK2B, IKBKB, MAPK1, TIAM1	1.47E-02
11	60	89	5	P53 Signaling Pathway	7.81E-05	BAX, TNFRSF10B, FAS, DDB2, CDKN1A	1.45E-03
11	79	89	8	Apoptosis	1.10E-07	BAX, TNFRSF10B, CFLAR, FAS, IKBKB, BCL2L1, TNFRSF1A, MYD88	6.82E-06
11	90	89	5	Toll Like Receptor Signaling Pathway	5.28E-04	IKBKB, JUN, TICAM1, MYD88, MAPK1	8.19E-03
11	108	89	5	Natural Killer Cell Mediated Cytotoxicity	1.21E-03	SHC1, PTK2B, TNFRSF10B, FAS, MAPK1	1.60E-02
11	116	89	7	Neurotrophin Signaling Pathway	2.30E-05	BAX, SHC1, BDNF, IKBKB, JUN, RPS6KA3, MAPK1	6.12E-04
11	182	89	10	Regulation Of Actin Cytoskeleton	8.80E-07	PDGFD, ITGA2, ITGA3, PXN, FGF14, FGF2, IQGAP1, FGFR4, MAPK1, TIAM1	3.44E-05
11	90	89	4	Gnrh Signaling Pathway	4.39E-03	PLA2G5, PTK2B, JUN, MAPK1	4.54E-02
11	70	89	4	Pancreatic Cancer	1.76E-03	IKBKB, BCL2L1, ERBB2, MAPK1	2.19E-02
11	85	89	6	Prostate Cancer	3.77E-05	PDGFD, IKBKB, ERBB2, AR, MAPK1, CDKN1A	7.78E-04
11	66	89	5	Melanoma	1.23E-04	PDGFD, FGF14, FGF2, MAPK1, CDKN1A	2.09E-03
11	41	89	3	Bladder Cancer	3.40E-03	ERBB2, MAPK1, CDKN1A	3.72E-02
11	70	89	6	Chronic Myeloid Leukemia	1.23E-05	SHC1, IKBKB, BCL2L1, CBLC, MAPK1, CDKN1A	3.82E-04
11	81	89	4	Small Cell Lung Cancer	3.01E-03	ITGA2, ITGA3, IKBKB, BCL2L1	3.50E-02
12	183	47	15	Focal Adhesion	0.00E+00	COL5A1, COL4A1, LAMC1, COL1A1, COL4A2, COL5A2, LAMB1, LAMC3, PDGFRB, ITGA5, COL6A3, ITGB1, COL1A2, COL3A1, FN1	0.00E+00
12	78	47	14	Ecm Receptor Interaction	2.83E-14	COL5A1, COL4A1, LAMC1, COL1A1, COL4A2, COL5A2, LAMB1, LAMC3, ITGA5, COL6A3, ITGB1, COL1A2, COL3A1, FN1	2.63E-12
12	182	47	5	Regulation Of Actin Cytoskeleton	6.85E-04	PDGFRB, ITGA5, ITGB1, MYH9, FN1	2.55E-02
12	81	47	7	Small Cell Lung Cancer	2.42E-08	COL4A1, LAMC1, COL4A2, LAMB1, LAMC3, ITGB1, FN1	1.50E-06
13	43	91	4	Rna Degradation	3.01E-04	LSM2, EXOSC5, EXOSC9, LSM4	1.86E-02
13	32	91	4	Dna Replication	9.33E-05	RFC2, RNASEH2A, RFC5, PCNA	1.74E-02
13	98	91	5	Spliceosome	8.62E-04	USP39, LSM2, SFRS3, SNRPD1, LSM4	3.21E-02
13	41	91	4	Nucleotide Excision Repair	2.50E-04	RFC2, ERCC8, RFC5, PCNA	1.86E-02
13	23	91	3	Mismatch Repair	6.63E-04	RFC2, RFC5, PCNA	3.08E-02

14	183	65	8	Focal Adhesion	5.88E-06	CAV1, VEGFA, THBS1, ITGA5, FLNA, SHC1, LAMC1, LAMB1	1.09E-03
14	78	65	4	Ecm Receptor Interaction	8.17E-04	THBS1, ITGA5, LAMC1, LAMB1	3.80E-02
14	65	65	5	Complement And Coagulation Cascades	2.52E-05	PLAU, C5AR1, SERPINE1, PLAUR, THBD	1.81E-03
14	67	65	5	Antigen Processing And Presentation	2.92E-05	HSPA6, HSPA5, CTSB, CTSL1, PDIA3	1.81E-03
16	32	93	4	Dna Replication	1.02E-04	MCM4, POLD1, POLA2, FEN1	2.70E-03
16	31	93	4	Base Excision Repair	8.94E-05	NEIL3, LIG3, POLD1, FEN1	2.70E-03
16	27	93	4	Homologous Recombination	5.11E-05	RAD51, RAD54L, BRCA2, POLD1	2.37E-03
16	111	93	17	Cell Cycle	3.38E-14	CCNA2, ESPL1, CDC6, CHEK1, BUB1, CHEK2, PLK1, MCM4, BUB1B, SKP2, ORC1L, CDC25C, CCNB2, TTK, CDK2, CDC20, CDC25A	6.28E-12
16	92	93	8	Oocyte Meiosis	5.11E-07	ESPL1, AURKA, BUB1, PLK1, CDC25C, CCNB2, CDK2, CDC20	4.75E-05
16	60	93	5	P53 Signaling Pathway	9.63E-05	GTSE1, CHEK1, CHEK2, CCNB2, CDK2	2.70E-03
16	73	93	7	Progesterone Mediated Oocyte Maturation	1.40E-06	CCNA2, BUB1, PLK1, CDC25C, CCNB2, CDK2, CDC25A	8.70E-05
17	183	59	18	Focal Adhesion	8.88E-16	COL5A1, COL6A2, THBS1, COL6A1, COL1A1, COL4A2, COL5A2, LAMB1, FN1, LAMC3, MYL9, PDGFRB, ITGA5, COL6A3, ITGB1, COL1A2, COL3A1, ITGA4	1.65E-13
17	78	59	16	Ecm Receptor Interaction	1.72E-14	COL5A1, COL6A2, THBS1, COL6A1, COL1A1, COL4A2, COL5A2, LAMB1, FN1, LAMC3, ITGA5, COL6A3, ITGB1, COL1A2, COL3A1, ITGA4	1.60E-12
17	100	59	4	Leukocyte Transendothelial Migration	1.44E-03	MMP9, MYL9, ITGB1, ITGA4	3.34E-02
17	182	59	8	Regulation Of Actin Cytoskeleton	2.68E-06	FN1, MYL9, PDGFRB, ITGA5, ITGB1, MYH9, ITGA4, SLC9A1	1.66E-04
17	81	59	5	Small Cell Lung Cancer	4.58E-05	COL4A2, LAMB1, FN1, LAMC3, ITGB1	1.42E-03
17	76	59	5	Hypertrophic Cardiomyopathy Hcm	3.36E-05	TPM2, ITGA5, ITGB1, ITGA4, TPM4	1.42E-03
17	81	59	5	Dilated Cardiomyopathy	4.58E-05	TPM2, ITGA5, ITGB1, ITGA4, TPM4	1.42E-03
21	60	70	4	P53 Signaling Pathway	3.99E-04	SERPINE1, CDKN1A, FAS, TNFRSF10B	3.36E-02
21	183	70	9	Focal Adhesion	1.04E-06	ZYX, ITGA5, LAMC1, FLNA, SHC1, ACTN1, PARVA, LAMB1, COL5A2	1.93E-04
21	65	70	4	Complement And Coagulation Cascades	5.43E-04	PLAU, SERPINE1, PLAUR, C5AR1	3.36E-02
24	218	38	5	Cytokine Cytokine Receptor Interaction	5.73E-04	TGFBR1, TGFBR2, OSMR, CSF2RB, IL13RA1	2.59E-02

24	156	38	4	Chemokine Signaling Pathway	1.42E-03	NFKB1, PRKCD, JAK2, HCK	2.93E-02
24	108	38	4	Lysosome	3.57E-04	GM2A, CTSS, NAGA, HEXA	2.59E-02
24	79	38	3	Apoptosis	1.94E-03	RIPK1, NFKB1, CSF2RB	3.61E-02
24	90	38	3	Toll Like Receptor Signaling Pathway	2.82E-03	RIPK1, NFKB1, TLR2	4.37E-02
24	59	38	3	Rig I Like Receptor Signaling Pathway	8.34E-04	RIPK1, DDX3X, NFKB1	2.59E-02
24	128	38	4	Jak Stat Signaling Pathway	6.80E-04	OSMR, CSF2RB, JAK2, IL13RA1	2.59E-02
24	84	38	3	Fc Gamma R Mediated Phagocytosis	2.32E-03	PRKCD, PTPRC, HCK	3.92E-02
24	63	38	5	Leishmania Infection	1.47E-06	NFKB1, HLA-DQB1, JAK2, NCF2, TLR2	2.73E-04
24	70	38	3	Pancreatic Cancer	1.37E-03	TGFBR1, TGFBR2, NFKB1	2.93E-02
24	70	38	3	Chronic Myeloid Leukemia	1.37E-03	TGFBR1, TGFBR2, NFKB1	2.93E-02
25	183	75	7	Focal Adhesion	1.39E-04	VEGFA, IBSP, ACTN1, BIRC3, FLNA, THBS1, ITGA5	1.29E-02
25	65	75	5	Complement And Coagulation Cascades	5.06E-05	PLAU, SERPINE1, F13A1, C5AR1, PLAUR	9.40E-03
26	116	119	7	Cell Adhesion Molecules Cams	1.48E-04	NCAM1, NLGN1, ICAM1, CLDN4, NRXN2, NRXN1, F11R	2.75E-02
27	111	53	10	Cell Cycle	4.10E-11	CCNA2, TTK, CCNB2, CDC20, MCM2, CCNB1, MAD2L1, BUB1B, PTTG1, CDC25C	7.63E-09
27	92	53	7	Oocyte Meiosis	1.40E-07	CCNB2, AURKA, CDC20, CCNB1, MAD2L1, PTTG1, CDC25C	1.30E-05
27	73	53	5	Progesterone Mediated Oocyte Maturation	1.63E-05	CCNA2, CCNB2, CCNB1, MAD2L1, CDC25C	1.01E-03
28	108	55	8	Lysosome	2.77E-08	HEXB, CTSA, TCIRG1, CTSB, CTSZ, NAGA, CTSS, GM2A	5.14E-06
28	65	55	4	Complement And Coagulation Cascades	2.14E-04	SERPINA1, F13A1, PLAUR, C5AR1	8.97E-03
28	67	55	4	Antigen Processing And Presentation	2.41E-04	CTSB, IFI30, CTSS, CD4	8.97E-03
28	84	55	4	Fc Gamma R Mediated Phagocytosis	5.73E-04	ARPC1B, FCGR2B, HCK, SYK	1.78E-02
28	100	55	7	Leukocyte Transendothelial Migration	3.23E-07	ITGB2, SIPA1, CYBA, GNAI2, ITGAM, CXCR4, CYBB	3.00E-05
28	63	55	4	Leishmania Infection	1.90E-04	ITGB2, TGFB1, CYBA, ITGAM	8.97E-03
29	32	30	4	Dna Replication	1.07E-06	POLE2, RNASEH2A, PCNA, MCM2	9.97E-05
29	31	30	3	Base Excision Repair	5.98E-05	POLE2, NEIL3, PCNA	3.71E-03
29	111	30	8	Cell Cycle	2.00E-10	CDC7, CDKN2C, ORC6L, BUB1B, PCNA, TTK, MCM2, CCNB2	3.71E-08
37	111	48	8	Cell Cycle	1.12E-08	CDC6, CHEK1, CDK2, BUB1, TTK, CCNA2, BUB1B, MAD2L1	2.09E-06
37	73	48	4	Progesterone Mediated Oocyte Maturation	1.98E-04	CDK2, BUB1, CCNA2, MAD2L1	1.84E-02
40	32	84	9	Dna Replication	6.81E-13	POLD1, MCM2, MCM7, MCM4, RFC5, FEN1, POLD3, MCM3, RFC4	6.33E-11

40	31	84	3	Base Excision Repair	1.28E-03	POLD1, FEN1, POLD3	3.40E-02
40	41	84	4	Nucleotide Excision Repair	1.83E-04	POLD1, RFC5, POLD3, RFC4	6.82E-03
40	23	84	5	Mismatch Repair	4.46E-07	EXO1, POLD1, RFC5, POLD3, RFC4	2.77E-05
40	27	84	5	Homologous Recombination	1.05E-06	RAD54L, POLD1, BRCA2, MUS81, POLD3	4.87E-05
40	111	84	16	Cell Cycle	8.89E-14	CCNE2, BUB1, HDAC2, SKP2, CHEK1, MCM2, MCM7, MCM4, CDK2, BUB1B, SMC3, CDC7, TTK, MCM3, BUB3, PLK1	1.65E-11
40	92	84	5	Oocyte Meiosis	4.48E-04	CCNE2, BUB1, CDK2, SMC3, PLK1	1.39E-02
41	218	68	7	Cytokine Cytokine Receptor Interaction	2.20E-04	CXCL5, IL1R2, CCL20, IL10RA, TNFRSF1B, IL4R, IL6	1.02E-02
41	65	68	5	Complement And Coagulation Cascades	3.14E-05	C5AR1, C2, F13A1, PLAUR, THBD	2.92E-03
41	90	68	5	Toll Like Receptor Signaling Pathway	1.50E-04	MAP3K8, CD14, TLR2, MAPK13, IL6	9.30E-03
41	52	68	5	Nod Like Receptor Signaling Pathway	1.05E-05	BIRC3, MAPK13, NOD2, IL6, TNFAIP3	1.95E-03
41	78	68	4	Hematopoietic Cell Lineage	9.69E-04	IL1R2, CD14, IL4R, IL6	3.60E-02
43	32	54	4	Dna Replication	1.18E-05	MCM2, PCNA, RNASEH2A, RFC4	7.34E-04
43	111	54	10	Cell Cycle	5.00E-11	CCNB2, MCM2, PCNA, CCNB1, MAD2L1, DBF4, PTTG1, TTK, CDC20, BUB1B	9.30E-09
43	92	54	7	Oocyte Meiosis	1.59E-07	CCNB2, FBXO5, CCNB1, MAD2L1, PTTG1, CDC20, AURKA	1.48E-05
48	90	68	5	Toll Like Receptor Signaling Pathway	1.50E-04	CASP8, LY96, TLR1, TLR5, CD86	4.65E-03
48	39	68	4	Type I Diabetes Mellitus	6.59E-05	HLA-B, HLA-E, FAS, CD86	3.06E-03
48	42	68	4	Autoimmune Thyroid Disease	8.86E-05	HLA-B, HLA-E, FAS, CD86	3.29E-03
48	33	68	4	Allograft Rejection	3.36E-05	HLA-B, HLA-E, FAS, CD86	2.09E-03
48	32	68	4	Graft Versus Host Disease	2.97E-05	HLA-B, HLA-E, FAS, CD86	2.09E-03
48	65	68	5	Viral Myocarditis	3.14E-05	HLA-B, ITGB2, HLA-E, CASP8, CD86	2.09E-03
49	218	41	5	Cytokine Cytokine Receptor Interaction	8.19E-04	IL18, IL10RA, CSF3R, CCR1, CSF1R	2.54E-02
49	116	41	6	Cell Adhesion Molecules Cams	2.40E-06	CD4, CD86, ITGB2, PTPRC, HLA-DMA, ITGAM	2.23E-04
49	67	41	3	Antigen Processing And Presentation	1.51E-03	CD4, CTSS, HLA-DMA	3.51E-02
49	78	41	4	Hematopoietic Cell Lineage	1.38E-04	CD4, CSF3R, ITGAM, CSF1R	6.39E-03
49	100	41	4	Leukocyte Transendothelial Migration	3.58E-04	NCF4, CYBB, ITGB2, ITGAM	1.33E-02
49	63	41	5	Leishmania Infection	2.16E-06	NCF4, ITGB2, TLR2, HLA-DMA, ITGAM	2.23E-04
49	65	41	3	Viral Myocarditis	1.38E-03	CD86, ITGB2, HLA-DMA	3.51E-02
51	156	88	6	Chemokine Signaling Pathway	9.70E-04	DOCK2, HCK, CCR1, LYN, PIK3CG, RAC2	1.06E-02
51	116	88	7	Cell Adhesion Molecules Cams	2.14E-05	CD86, PTPRC, ITGB2, HLA-DQA1, CD4, HLA-DMB, HLA-DPB1	4.42E-04
51	65	88	4	Complement And Coagulation Cascades	1.28E-03	C1QA, C1QB, SERPINA1, C3AR1	1.33E-02

51	67	88	5	Antigen Processing And Presentation	1.26E-04	HLA-DQA1, CD4, CTSS, HLA-DMB, HLA-DPB1	1.93E-03
51	90	88	7	Toll Like Receptor Signaling Pathway	4.00E-06	CD86, LY96, TLR2, TLR1, CD14, TLR7, PIK3CG	1.49E-04
51	42	88	3	Cytosolic Dna Sensing Pathway	3.52E-03	IL18, PYCARD, CASP1	2.98E-02
51	78	88	4	Hematopoietic Cell Lineage	2.52E-03	CD4, FCGR1A, CD14, CSF1R	2.23E-02
51	108	88	6	Natural Killer Cell Mediated Cytotoxicity	1.35E-04	SYK, ITGB2, FCER1G, LCP2, PIK3CG, RAC2	1.93E-03
51	68	88	4	B Cell Receptor Signaling Pathway	1.52E-03	SYK, LYN, PIK3CG, RAC2	1.49E-02
51	72	88	6	Fc Epsilon Ri Signaling Pathway	1.36E-05	SYK, FCER1G, LCP2, LYN, PIK3CG, RAC2	3.16E-04
51	84	88	10	Fc Gamma R Mediated Phagocytosis	4.57E-10	SYK, PTPRC, DOCK2, SCIN, HCK, FCGR1A, FCGR2A, LYN, PIK3CG, RAC2	4.25E-08
51	100	88	7	Leukocyte Transendothelial Migration	8.07E-06	ITGB2, CYBA, NCF2, CYBB, NCF4, PIK3CG, RAC2	2.14E-04
51	39	88	4	Intestinal Immune Network For Iga Production	1.80E-04	CD86, HLA-DQA1, HLA-DMB, HLA-DPB1	2.23E-03
51	182	88	6	Regulation Of Actin Cytoskeleton	2.13E-03	NCKAP1L, ITGB2, SCIN, CD14, PIK3CG, RAC2	1.98E-02
51	39	88	4	Type I Diabetes Mellitus	1.80E-04	CD86, HLA-DQA1, HLA-DMB, HLA-DPB1	2.23E-03
51	63	88	10	Leishmania Infection	2.39E-11	ITGB2, HLA-DQA1, CYBA, TLR2, FCGR1A, FCGR2A, NCF2, NCF4, HLA-DMB, HLA-DPB1	4.44E-09
51	25	88	5	Asthma	8.80E-07	RNASE3, HLA-DQA1, FCER1G, HLA-DMB, HLA-DPB1	4.09E-05
51	42	88	4	Autoimmune Thyroid Disease	2.41E-04	CD86, HLA-DQA1, HLA-DMB, HLA-DPB1	2.80E-03
51	97	88	8	Systemic Lupus Erythematosus	5.01E-07	CD86, CIQA, HLA-DQA1, C1QB, FCGR1A, FCGR2A, HLA-DMB, HLA-DPB1	3.11E-05
51	33	88	4	Allograft Rejection	9.27E-05	CD86, HLA-DQA1, HLA-DMB, HLA-DPB1	1.57E-03
51	32	88	4	Graft Versus Host Disease	8.19E-05	CD86, HLA-DQA1, HLA-DMB, HLA-DPB1	1.52E-03
51	65	88	6	Viral Myocarditis	7.49E-06	CD86, ITGB2, HLA-DQA1, HLA-DMB, HLA-DPB1, RAC2	2.14E-04
52	182	57	6	Regulation Of Actin Cytoskeleton	2.10E-04	PFN2, PAK7, FGF12, PAK3, CYFIP2, WASF1	3.91E-02
54	218	35	5	Cytokine Cytokine Receptor Interaction	3.87E-04	TNFSF10, LEPR, CSF3R, IL7R, TGFB2	4.59E-02
54	128	35	4	Jak Stat Signaling Pathway	4.94E-04	LEPR, CSF3R, IL7R, STAT4	4.59E-02