

Gbp2b	Gene Symbol	style	Pearson R	P-Value	path_id	path_name	enrichment	pvalue	FDR
Gbp2b	Acox3	down	-0.9631	0.002	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Adcy7	down	-0.9555	0.0029	04020	Calcium signaling pathway	7.646741405	5.14617E-16	1.82403E-14
Gbp2b	Adcy7	down	-0.9555	0.0029	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Adora2a	up	0.9541	0.0031	04020	Calcium signaling pathway	7.646741405	5.14617E-16	1.82403E-14
Gbp2b	Adora2a	up	0.9541	0.0031	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Atp2b4	up	0.9807	0.0006	04020	Calcium signaling pathway	6.172381757	8.09013E-12	6.30179E-11
Gbp2b	Atp2b4	up	0.9807	0.0006	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Bcl2a1b	up	0.9538	0.0031	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Bcl2a1b	up	0.9538	0.0031	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Bcl2a1c	up	0.9959	0	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Bcl2a1c	up	0.9959	0	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Bcl2a1d	up	0.98	0.0006	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Bcl2a1d	up	0.98	0.0006	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Camk2d	up	0.9816	0.0005	04020	Calcium signaling pathway	6.172381757	8.09013E-12	6.30179E-11
Gbp2b	Camk2d	up	0.9816	0.0005	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Camp	up	0.9526	0.0033	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Casp4	up	0.9976	0	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Ccl22	up	0.9637	0.002	04060	Cytokine-cytokine receptor interaction	7.382032171	2.9624E-18	1.57501E-16
Gbp2b	Ccl22	up	0.9637	0.002	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Ccl3	up	0.9761	0.0008	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28
Gbp2b	Ccl3	up	0.9761	0.0008	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Ccl9	up	0.991	0.0001	04060	Cytokine-cytokine receptor interaction	7.382032171	2.9624E-18	1.57501E-16
Gbp2b	Cd14	up	0.9746	0.001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Cd14	up	0.9746	0.001	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Cd14	up	0.9746	0.001	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Cdkn1a	up	0.963	0.002	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Cdkn1a	up	0.963	0.002	04630	JAK-STAT signaling pathway	7.368795606	7.53605E-11	8.01333E-10
Gbp2b	Cflar	up	0.971	0.0013	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Cflar	up	0.971	0.0013	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Cflar	up	0.971	0.0013	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Ctsc	up	0.993	0.0001	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Cycs	up	0.9881	0.0002	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Ebi3	up	0.9872	0.0002	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28
Gbp2b	Eif4e	up	0.9556	0.0029	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Fas	up	0.991	0.0001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Fas	up	0.991	0.0001	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28
Gbp2b	Fas	up	0.991	0.0001	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Fas	up	0.991	0.0001	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Flnb	up	0.9822	0.0005	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21

Gbp2b	Gadd45b	up	0.9551	0.003	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Gadd45b	up	0.9551	0.003	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Gadd45b	up	0.9551	0.003	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Gbp2	up	0.9782	0.0007	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Gbp2b	up	1	0	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Gbp3	up	0.9749	0.0009	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Gbp5	up	0.9708	0.0013	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Gbp7	up	0.9837	0.0004	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Gnb5	down	-0.9785	0.0007	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Icam1	up	0.9885	0.0002	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Icam1	up	0.9885	0.0002	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Igf1r	down	-0.957	0.0027	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Igf1r	down	-0.957	0.0027	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Igf1r	down	-0.957	0.0027	04152	AMPK signaling pathway	7.282610862	3.87309E-08	1.81693E-07
Gbp2b	Ikbke	up	0.9729	0.0011	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Ikbke	up	0.9729	0.0011	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Ikbke	up	0.9729	0.0011	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Il16	down	-0.9589	0.0025	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28
Gbp2b	Irf1	up	0.9851	0.0003	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Irf1	up	0.9851	0.0003	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Irga5	up	0.9926	0.0001	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Lpar6	down	-0.9582	0.0026	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Lyn	up	0.9899	0.0002	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Maml3	down	-0.9546	0.003	04658	Th1 and Th2 cell differentiation	8.937749694	4.25607E-08	1.96766E-07
Gbp2b	Map2k6	down	-0.9514	0.0035	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Map2k6	down	-0.9514	0.0035	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Map2k6	down	-0.9514	0.0035	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Map3k4	down	-0.953	0.0033	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Map3k8	up	0.9701	0.0013	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Map3k8	up	0.9701	0.0013	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Map3k8	up	0.9701	0.0013	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Mapkapk2	up	0.9909	0.0001	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Mapkapk2	up	0.9909	0.0001	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Mknk2	down	-0.9736	0.001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Mlkl	up	0.9799	0.0006	04668	TNF signaling pathway	12.76068098	1.40211E-17	5.59092E-16
Gbp2b	Myb	up	0.9769	0.0008	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Nfatc1	down	-0.9553	0.003	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Nfatc1	down	-0.9553	0.003	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Nfatc1	down	-0.9553	0.003	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Nfatc1	down	-0.9553	0.003	04658	Th1 and Th2 cell differentiation	7.715477196	7.91595E-07	3.30017E-06

Gbp2b	Nfatc1	down	-0.9553	0.003	04659	Th17 cell differentiation	10.68296843	3.73548E-13	4.0952E-12
Gbp2b	Nfatc2	down	-0.9569	0.0027	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Nfatc2	down	-0.9569	0.0027	04658	Th1 and Th2 cell differentiation	7.715477196	7.91595E-07	3.30017E-06
Gbp2b	Nfatc2	down	-0.9569	0.0027	04659	Th17 cell differentiation	10.68296843	3.73548E-13	4.0952E-12
Gbp2b	Nfkb1	up	0.9669	0.0016	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Nfkb1	up	0.9669	0.0016	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Nfkb1	up	0.9669	0.0016	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Nfkb1	up	0.9669	0.0016	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Nfkb1	up	0.9669	0.0016	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Nfkb1	up	0.9669	0.0016	04620	Toll-like receptor signaling pathway	3.932609865	0.017620348	0.025433896
Gbp2b	Nfkb1	up	0.9669	0.0016	04621	NOD-like receptor signaling pathway	4.970123053	8.00737E-07	2.50426E-06
Gbp2b	Nfkb1	up	0.9669	0.0016	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Nfkb1	up	0.9669	0.0016	04658	Th1 and Th2 cell differentiation	8.937749694	4.25607E-08	1.96766E-07
Gbp2b	Nfkb1	up	0.9669	0.0016	04659	Th17 cell differentiation	6.93248534	2.43534E-06	6.63994E-06
Gbp2b	Nfkb1	up	0.9669	0.0016	04668	TNF signaling pathway	12.76068098	1.40211E-17	5.59092E-16
Gbp2b	Nfkb2	up	0.9777	0.0007	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Nfkb2	up	0.9777	0.0007	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Nfkb2	up	0.9777	0.0007	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Nfkbia	up	0.9944	0	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Nfkbia	up	0.9944	0	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Nfkbia	up	0.9944	0	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Nfkbia	up	0.9944	0	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Nfkbia	up	0.9944	0	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Nfkbia	up	0.9944	0	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Nfkbia	up	0.9944	0	04658	Th1 and Th2 cell differentiation	7.715477196	7.91595E-07	3.30017E-06
Gbp2b	Nfkbia	up	0.9944	0	04659	Th17 cell differentiation	10.68296843	3.73548E-13	4.0952E-12
Gbp2b	Nfkbia	up	0.9944	0	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Nfkbib	up	0.9699	0.0013	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Nfkbib	up	0.9699	0.0013	04658	Th1 and Th2 cell differentiation	7.715477196	7.91595E-07	3.30017E-06
Gbp2b	Nfkbib	up	0.9699	0.0013	04659	Th17 cell differentiation	10.68296843	3.73548E-13	4.0952E-12
Gbp2b	Nfkbie	up	0.985	0.0003	04658	Th1 and Th2 cell differentiation	8.937749694	4.25607E-08	1.96766E-07
Gbp2b	Nfkbie	up	0.985	0.0003	04659	Th17 cell differentiation	6.93248534	2.43534E-06	6.63994E-06
Gbp2b	Nlrp3	up	0.9608	0.0023	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Nlrp3	up	0.9608	0.0023	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Nod1	up	0.9768	0.0008	04621	NOD-like receptor signaling pathway	4.970123053	8.00737E-07	2.50426E-06
Gbp2b	Nod2	up	0.9937	0.0001	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Nod2	up	0.9937	0.0001	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Nos2	up	0.9657	0.0017	04020	Calcium signaling pathway	6.172381757	8.09013E-12	6.30179E-11
Gbp2b	Pde4b	up	0.9706	0.0013	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Pik3ap1	up	0.9789	0.0007	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16

Gbp2b	Pik3cg	up	0.9693	0.0014	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Pik3r2	down	-0.96	0.0024	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Pik3r2	down	-0.96	0.0024	04151	PI3K-Akt signaling pathway	6.572607018	3.59483E-18	1.63821E-16
Gbp2b	Pik3r2	down	-0.96	0.0024	04152	AMPK signaling pathway	7.282610862	3.87309E-08	1.81693E-07
Gbp2b	Pik3r2	down	-0.96	0.0024	04210	Apoptosis	8.19293722	1.57562E-10	1.5707E-09
Gbp2b	Pik3r2	down	-0.96	0.0024	04620	Toll-like receptor signaling pathway	3.932609865	0.017620348	0.025433896
Gbp2b	Pik3r2	down	-0.96	0.0024	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Pik3r2	down	-0.96	0.0024	04630	JAK-STAT signaling pathway	7.368795606	7.53605E-11	8.01333E-10
Gbp2b	Pik3r2	down	-0.96	0.0024	04668	TNF signaling pathway	12.76068098	1.40211E-17	5.59092E-16
Gbp2b	Pik3r5	up	0.989	0.0002	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Plcb2	down	-0.9661	0.0017	04020	Calcium signaling pathway	7.646741405	5.14617E-16	1.82403E-14
Gbp2b	Plcb2	down	-0.9661	0.0017	04621	NOD-like receptor signaling pathway	4.970123053	8.00737E-07	2.50426E-06
Gbp2b	Plcg1	down	-0.9661	0.0017	04020	Calcium signaling pathway	7.646741405	5.14617E-16	1.82403E-14
Gbp2b	Plcg1	down	-0.9661	0.0017	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Plcg1	down	-0.9661	0.0017	04658	Th1 and Th2 cell differentiation	8.937749694	4.25607E-08	1.96766E-07
Gbp2b	Plcg1	down	-0.9661	0.0017	04659	Th17 cell differentiation	6.93248534	2.43534E-06	6.63994E-06
Gbp2b	Ppp3cc	up	0.9518	0.0034	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Ppp3cc	up	0.9518	0.0034	04020	Calcium signaling pathway	7.646741405	5.14617E-16	1.82403E-14
Gbp2b	Ppp3cc	up	0.9518	0.0034	04625	C-type lectin receptor signaling pathway	9.948566624	6.45786E-12	8.95677E-11
Gbp2b	Ppp3cc	up	0.9518	0.0034	04658	Th1 and Th2 cell differentiation	8.937749694	4.25607E-08	1.96766E-07
Gbp2b	Ppp3cc	up	0.9518	0.0034	04659	Th17 cell differentiation	6.93248534	2.43534E-06	6.63994E-06
Gbp2b	Prkag2	down	-0.9535	0.0032	04152	AMPK signaling pathway	7.282610862	3.87309E-08	1.81693E-07
Gbp2b	Rap1b	up	0.9769	0.0008	04010	MAPK signaling pathway	8.471608554	4.83809E-23	5.1445E-21
Gbp2b	Rap1b	up	0.9769	0.0008	04024	cAMP signaling pathway	6.097069559	7.07999E-10	5.37742E-09
Gbp2b	Rapgef2	up	0.9918	0.0001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Rasgrp1	up	0.993	0.0001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Ripk2	up	0.9666	0.0017	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Syk	up	0.9811	0.0005	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Syk	up	0.9811	0.0005	04151	PI3K-Akt signaling pathway	5.157979184	1.6543E-12	1.68853E-11
Gbp2b	Syk	up	0.9811	0.0005	04625	C-type lectin receptor signaling pathway	11.57321579	5.9964E-16	1.10933E-14
Gbp2b	Tank	up	0.9678	0.0015	04621	NOD-like receptor signaling pathway	4.970123053	8.00737E-07	2.50426E-06
Gbp2b	Tiam1	down	-0.9678	0.0015	04024	cAMP signaling pathway	2.870875236	0.011515655	0.022573733
Gbp2b	Ticam2	up	0.9829	0.0004	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Ticam2	up	0.9829	0.0004	04620	Toll-like receptor signaling pathway	14.19647804	1.63094E-19	4.82758E-18
Gbp2b	Tnfaip3	up	0.9521	0.0034	04064	NF-kappa B signaling pathway	9.987580611	2.73449E-11	3.355E-10
Gbp2b	Tnfaip3	up	0.9521	0.0034	04621	NOD-like receptor signaling pathway	4.970123053	8.00737E-07	2.50426E-06
Gbp2b	Tnfaip3	up	0.9521	0.0034	04668	TNF signaling pathway	12.76068098	1.40211E-17	5.59092E-16
Gbp2b	Tnfrsf1b	up	0.9895	0.0002	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28
Gbp2b	Tnfrsf1b	up	0.9895	0.0002	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Tnfsf15	up	0.9795	0.0006	04060	Cytokine-cytokine receptor interaction	9.690428697	2.12856E-30	2.10018E-28

Gbp2b	Traf1	up	0.9978	0	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Traf1	up	0.9978	0	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Traf1	up	0.9978	0	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26
Gbp2b	Traf2	up	0.974	0.001	04010	MAPK signaling pathway	9.027633182	3.62353E-27	2.14513E-25
Gbp2b	Traf2	up	0.974	0.001	04064	NF-kappa B signaling pathway	14.69614704	1.5363E-21	6.49634E-20
Gbp2b	Traf2	up	0.974	0.001	04210	Apoptosis	8.623180395	4.23218E-12	3.68449E-11
Gbp2b	Traf2	up	0.974	0.001	04621	NOD-like receptor signaling pathway	9.360958115	6.45873E-21	2.38973E-19
Gbp2b	Traf2	up	0.974	0.001	04668	TNF signaling pathway	16.9330827	1.36946E-28	1.0134E-26