

<input type="checkbox"/>	Upstream Regulator	Log Ratio	Molecule Type	Predicted Activation	Activation z-score	Notes	p-value of overlap	Target molecules in network	Mechanistic Network
<input type="checkbox"/>	IFNG		cytokine	Activated	8.509	bias	2.20E-51	↑B2M, ... all 83	130 (16)
<input type="checkbox"/>	IRF7		transcription regula	Activated	6.336	bias	1.93E-49	↑BCL2L13, ... all 42	93 (10)
<input type="checkbox"/>	IFNA2		cytokine	Activated	6.457	bias	7.31E-49	↑B2M, ... all 46	121 (17)
<input type="checkbox"/>	IFNL1		cytokine	Activated	5.682	bias	7.91E-48	↑BST2, ... all 33	112 (13)
<input type="checkbox"/>	MAPK1		kinase	Inhibited	-5.592		1.39E-45	↑BST2, ... all 49	125 (17)
<input type="checkbox"/>	lipopolysaccharide		chemical drug	Activated	7.905	bias	3.03E-45	↑ABCC1, ... all 87	141 (16)
<input type="checkbox"/>	poly rI:rC-RNA		chemical reagent	Activated	6.424	bias	4.51E-45	↑B2M, ... all 52	140 (18)
<input type="checkbox"/>	Interferon alpha		group	Activated	5.784	bias	1.84E-42	↑APOL2, ... all 47	111 (16)
<input type="checkbox"/>	TNF		cytokine	Activated	7.755	bias	5.57E-42	↑ABCC1, ... all 82	133 (17)
<input type="checkbox"/>	STAT3		transcription regula	Activated	3.386	bias	3.41E-33	↑BST2, ... all 43	127 (21)
<input type="checkbox"/>	IRF1		transcription regula	Activated	4.674	bias	1.55E-31	↑B2M, ... all 30	127 (17)
<input type="checkbox"/>	NKX2-3		transcription regula	Inhibited	-5.741		6.13E-31	↑C19orf66, ... all 33	
<input type="checkbox"/>	OSM		cytokine	Activated	4.710		1.63E-28	↑ABCC1, ... all 43	113 (20)
<input type="checkbox"/>	CD40LG		cytokine	Activated	3.683	bias	1.07E-26	↑AKAP2, ... all 37	129 (18)
<input type="checkbox"/>	TRIM24		transcription regula	Inhibited	-4.352	bias	4.70E-26	↑BST2, ... all 23	66 (7)
<input type="checkbox"/>	STAT1	↑1.000	transcription regula	Activated	4.784	bias	7.18E-26	↑B2M, ... all 31	126 (16)
<input type="checkbox"/>	PAF1		other	Activated	4.243	bias	3.83E-25	↑CCL5, ... all 18	
<input type="checkbox"/>	IRF3		transcription regula	Activated	4.216	bias	2.37E-23	↑B2M, ... all 25	87 (11)
<input type="checkbox"/>	trefoilin		chemical-endogeno	Activated	5.170		7.37E-22	↑ANXA2, ... all 56	133 (15)
<input type="checkbox"/>	IRF5		transcription regula	Activated	4.172	bias	1.45E-21	↑CCL5, ... all 18	70 (14)
<input type="checkbox"/>	IL1B		cytokine	Activated	5.255	bias	1.83E-21	↑CASP4, ... all 43	118 (15)
<input type="checkbox"/>	EIF2AK2	↑1.000	kinase	Activated	4.202	bias	2.23E-21	↑DDX58, ... all 19	87 (11)
<input type="checkbox"/>	IFNAR1		transmembrane rec	Activated	2.576	bias	3.51E-21	↑B2M, ... all 20	131 (17)
<input type="checkbox"/>	IL1RN		cytokine	Inhibited	-4.522	bias	4.63E-21	↑CTSS, ... all 21	117 (12)
<input type="checkbox"/>	IRF2		transcription regula	Inhibited	-2.335		5.38E-21	↑B2M, ... all 17	74 (9)
<input type="checkbox"/>	IFNB1		cytokine	Activated	4.139	bias	1.15E-19	↑BST2, ... all 26	110 (17)
<input type="checkbox"/>	TP53		transcription regula		1.814		2.80E-19	↑ABCC1, ... all 50	108 (16)
<input type="checkbox"/>	SB203580		chemical-kinase inh	Inhibited	-4.811	bias	8.88E-19	↑BST2, ... all 28	133 (22)
<input type="checkbox"/>	TCR		complex	Activated	2.133	bias	1.27E-18	↑CCL5, ... all 26	97 (16)
<input type="checkbox"/>	TLR3		transmembrane rec	Activated	3.658	bias	2.99E-18	↑CCL5, ... all 24	85 (12)
<input type="checkbox"/>	Ifn		group	Activated	4.142	bias	8.03E-18	↑B2M, ... all 18	115 (17)
<input type="checkbox"/>	RELA		transcription regula	Activated	3.808	bias	1.07E-17	↑B2M, ... all 27	118 (17)
<input type="checkbox"/>	TGM2	↑1.000	enzyme	Activated	4.785	bias	1.51E-17	↑DDX60, ... all 23	
<input type="checkbox"/>	DDX58	↑1.000	enzyme	Activated	2.953	bias	2.06E-17	↑CCL5, ... all 14	82 (14)
<input type="checkbox"/>	IL6		cytokine	Activated	4.253	bias	3.84E-17	↑ABCC1, ... all 35	125 (24)
<input type="checkbox"/>	MAVS		other	Activated	3.712	bias	6.89E-17	↑CCL5, ... all 14	82 (12)
<input type="checkbox"/>	IFNLR1		transmembrane rec				1.34E-16	↑CCL5, ... all 13	112 (13)
<input type="checkbox"/>	TGFB1		growth factor		1.988		1.98E-16	↑AKR1C1, ... all 53	92 (19)
<input type="checkbox"/>	IFN Beta		group	Activated	3.410	bias	4.16E-16	↑CXCL1, ... all 17	101 (16)
<input type="checkbox"/>	TICAM1		other	Activated	4.170	bias	6.94E-16	↑CASP4, ... all 18	85 (17)
<input type="checkbox"/>	TNFSF10		cytokine	Activated	3.208		8.27E-16	↑EIF2AK2, ... all 15	130 (21)
<input type="checkbox"/>	PARP9	↑1.000	other	Activated	2.985	bias	5.57E-15	↑HLA-E, ... all 9	
<input type="checkbox"/>	SOC31		other	Inhibited	-3.242	bias	8.48E-15	↑DDX58, ... all 16	130 (20)
<input type="checkbox"/>	camptothecin		chemical toxicant	Activated	3.391		1.03E-14	↑AKAP2, ... all 31	95 (18)
<input type="checkbox"/>	stallimycin		chemical drug	Activated	3.416	bias	1.10E-14	↑IFI16, ... all 12	102 (11)
<input type="checkbox"/>	IFN type 1		group	Activated	2.841	bias	1.10E-14	↑BST2, ... all 12	130 (17)
<input type="checkbox"/>	NFKB(complex)		complex	Activated	4.889	bias	1.16E-14	↑CASP4, ... all 30	119 (17)
<input type="checkbox"/>	salmonella minneso		chemical-endogeno	Activated	3.818	bias	1.26E-14	↑CASP4, ... all 15	96 (19)
<input type="checkbox"/>	U0126		chemical-kinase inh	Inhibited	-2.941	bias	2.09E-14	↑ARHGFE2, ... all 27	94 (21)
<input type="checkbox"/>	bromodeoxyuridine		chemical drug	Activated	3.416	bias	9.11E-14	↑IFI16, ... all 12	102 (11)
<input type="checkbox"/>	STAT2		transcription regula	Activated	2.935	bias	2.51E-13	↑GBP1, ... all 10	114 (14)
<input type="checkbox"/>	IFNA1/IFNA13		cytokine	Activated	3.010	bias	4.37E-13	↑EIF2AK2, ... all 12	115 (17)
<input type="checkbox"/>	JAK1		kinase	Activated	3.098	bias	1.30E-12	↑EIF2AK2, ... all 10	86 (13)
<input type="checkbox"/>	KRAS		enzyme		-0.240		1.95E-12	↑AKR1B10, ... all 21	114 (9)
<input type="checkbox"/>	NLR5		transcription regula	Activated	2.786	bias	2.29E-12	↑B2M, ... all 8	
<input type="checkbox"/>	HRAS		enzyme	Activated	2.658	bias	2.81E-12	↑AKAP2, ... all 27	106 (16)
<input type="checkbox"/>	SASH1		other	Activated	3.464	bias	2.95E-12	↑CMPK2, ... all 12	
<input type="checkbox"/>	SAMSN1		other	Activated	3.051	bias	3.36E-12	↑CMPK2, ... all 13	
<input type="checkbox"/>	ERBB2		kinase		0.339	bias	4.50E-12	↑ANXA2, ... all 28	92 (17)
<input type="checkbox"/>	TLR4		transmembrane rec	Activated	3.189	bias	4.55E-12	↑BCL10, ... all 20	94 (15)
<input type="checkbox"/>	sirolimus		chemical drug	Inhibited	-2.309	bias	4.64E-12	↑B2M, ... all 23	100 (23)
<input type="checkbox"/>	dexamethasone		chemical drug		-1.867		4.88E-12	↑ABCC1, ... all 45	100 (19)
<input type="checkbox"/>	GAPDH		enzyme	Inhibited	-2.158	bias	1.20E-11	↑CXCL1, ... all 9	38 (3)
<input type="checkbox"/>	NLRP12		other		1.456	bias	1.20E-11	↑CASP1, ... all 9	60 (7)
<input type="checkbox"/>	IFNAR2		transmembrane rec	Activated	2.828	bias	1.62E-11	↑HERC5, ... all 8	63 (8)
<input type="checkbox"/>	5-O-mycoly-beta-a		chemical-endogeno	Activated	3.422	bias	2.71E-11	↑CXCL1, ... all 12	119 (12)
<input type="checkbox"/>	MYD88		other	Activated	3.573	bias	4.25E-11	↑BCL10, ... all 17	95 (15)
<input type="checkbox"/>	JUN	↑1.000	transcription regula		0.654	bias	7.14E-11	↑ANXA2, ... all 21	91 (18)

<input type="checkbox"/>	Upstream Regulator	Log Ratio	Molecule Type	Predicted Activation	Activation z-score	Notes	p-value of over...	Target molecules in...	Mechanistic Net...
<input type="checkbox"/>	CHUK		kinase	Activated	3.654	bias	7.84E-11	↑CASP4, ...all 16	81 (13)
<input type="checkbox"/>	paclitaxel		chemical drug	Activated	2.587	bias	8.10E-11	↑ARHGEF2, ...all 18	109 (20)
<input type="checkbox"/>	epigallocatechin-gal...		chemical drug	Inhibited	-2.601	bias	1.63E-10	↑CASP1, ...all 16	105 (18)
<input type="checkbox"/>	LY294002		chemical-kinase inh...	Inhibited	-3.039	bias	1.68E-10	↑ABCC1, ...all 23	104 (22)
<input type="checkbox"/>	ERK1/2		group	Activated	3.482	bias	2.13E-10	↑AKR1B10, ...all 17	99 (19)
<input type="checkbox"/>	IL27		cytokine	Activated	2.811	bias	2.15E-10	↑B2M, ...all 12	132 (19)
<input type="checkbox"/>	beta-estradiol		chemical-endogeno...		1.016	bias	2.16E-10	↑BCL10, ...all 43	87 (18)
<input type="checkbox"/>	decitabine		chemical drug	Activated	3.219	bias	2.26E-10	↑ABCC1, ...all 22	111 (15)
<input type="checkbox"/>	PD98059		chemical-kinase inh...	Inhibited	-3.113	bias	2.35E-10	↑CCL5, ...all 24	72 (19)
<input type="checkbox"/>	hydrogen peroxide		chemical-endogeno...	Activated	3.358	bias	4.60E-10	↑AKR1C1, ...all 21	106 (20)
<input type="checkbox"/>	E. coli B4 lipopolysac...		chemical toxicant	Activated	2.759	bias	4.72E-10	↑CASP7, ...all 17	105 (19)
<input type="checkbox"/>	GF11		transcription regula...	Inhibited	-3.317	bias	4.87E-10	↑CASP1, ...all 11	104 (12)
<input type="checkbox"/>	3,3'-diindolylmethan...		chemical drug		1.475		5.15E-10	↑HLA-A, ...all 9	106 (12)
<input type="checkbox"/>	NFKBIA		transcription regula...	Activated	2.635		5.48E-10	↑CASP4, ...all 21	95 (17)
<input type="checkbox"/>	ANGPT2		growth factor	Activated	2.909	bias	8.07E-10	↑ABCC1, ...all 12	101 (18)
<input type="checkbox"/>	NR3C1		ligand-dependent n...		-1.502		9.13E-10	↓AMIGO2, ...all 25	125 (19)
<input type="checkbox"/>	DOCK8		other	Activated	3.162	bias	9.77E-10	↑CMPK2, ...all 10	
<input type="checkbox"/>	IL1		group	Activated	4.107	bias	1.03E-09	↑AKR1C1, ...all 18	93 (18)
<input type="checkbox"/>	phorbol myristate ac...		chemical drug	Activated	4.550	bias	1.18E-09	↑AKR1B10, ...all 31	65 (16)
<input type="checkbox"/>	2-aminopurine		chemical reagent	Inhibited	-2.605	bias	1.34E-09	↑CXCL1, ...all 7	37 (3)
<input type="checkbox"/>	IKBKE		kinase	Activated	3.905	bias	1.41E-09	↑CCL5, ...all 16	81 (13)
<input type="checkbox"/>	MAP3K7		kinase		0.736	bias	1.46E-09	↑CCL5, ...all 11	105 (19)
<input type="checkbox"/>	IGF1		growth factor		-0.011	bias	2.03E-09	↑AKR1C1, ...all 19	121 (22)
<input type="checkbox"/>	IRF8		transcription regula...		0.620	bias	2.06E-09	↑B2M, ...all 11	103 (14)
<input type="checkbox"/>	FADD		other	Activated	2.530	bias	2.59E-09	↑CASP7, ...all 10	74 (10)
<input type="checkbox"/>	RNA polymerase II		complex				2.72E-09	↑B2M, ...all 15	
<input type="checkbox"/>	TERT		enzyme				2.86E-09	↑AKAP2, ...all 12	50 (8)
<input type="checkbox"/>	resiquimoc		chemical drug	Activated	2.748	bias	3.19E-09	↑CASP4, ...all 13	90 (19)
<input type="checkbox"/>	IL4		cytokine		1.930	bias	3.79E-09	↑ANXA2, ...all 26	78 (17)
<input type="checkbox"/>	TAB1		enzyme	Inhibited	-2.621	bias	4.69E-09	↑CCL5, ↑CFB, ...all 7	91 (23)
<input type="checkbox"/>	PLAU	↑1.000	peptidase		1.526	bias	5.85E-09	↑CCL5, ...all 9	96 (19)
<input type="checkbox"/>	EBI3		cytokine	Activated	2.778	bias	6.19E-09	↑B2M, ↑H...all 8	94 (14)