geneList.ora.zip

WikiPathways

Type	Name	#Hits	Expected score	p-Value
enriched	Toll-like Receptor Signaling Pathway	17	1.460220	0.000000
enriched	Overview of interferons-mediated signaling pathway	11	0.510368	0.000000
enriched	Regulation of toll-like receptor signaling pathway	17	1.970590	0.000000
enriched	Hepatitis B infection	17	2.140710	0.000000
enriched	Cytosolic DNA-sensing pathway	12	1.049090	0.000000
enriched	PI3K-Akt Signaling Pathway	19	4.820140	0.000115
enriched	Allograft Rejection	8	1.261740	0.007981
enriched	Type II interferon signaling (IFNG)	5	0.524545	0.030793
enriched	Fibrin Complement Receptor 3 Signaling Pathway	5	0.581252	0.042144

GO_-_Molecular_Function

Type	Name	#Hits	Expected score	p-Value
enriched	cytokine activity	24	3.033850	0.000000
enriched	cytokine receptor binding	23	3.912820	0.000000
enriched	type I interferon receptor binding	9	0.226830	0.000000
enriched	receptor ligand activity	28	6.592250	0.000000
enriched	signaling receptor activator activity	28	6.663140	0.000000
enriched	receptor regulator activity	28	7.244390	0.000001
enriched	signaling receptor binding	48	21.506300	0.000050
enriched	protein binding	201	165.430000	0.001835
enriched	deoxycytidine deaminase activity	4	0.113415	0.003383
enriched	cytidine deaminase activity	4	0.170123	0.010711
enriched	molecular function regulator	45	24.767000	0.013585
enriched	phosphatidylserine 1-acylhydrolase activity	3	0.099238	0.045174

GO_-_Biological_Process

Type	Name	#Hits	Expected score	p-Value
enriched	defense response to virus	30	2.721960	0.000000
enriched	defense response	59	15.339400	0.000000
enriched	response to external biotic stimulus	58	15.282700	0.000000
enriched	response to virus	31	3.955350	0.000000
enriched	response to other organism	51	12.390600	0.000000
enriched	defense response to other organism	43	9.711160	0.000000
enriched	cell surface receptor signaling pathway	78	30.494500	0.000000
enriched	immune response	49	13.354600	0.000000
enriched	type I interferon signaling pathway	16	0.921497	0.000000
enriched	immune system process	76	29.955800	0.000000
enriched	regulation of immune system process	58	21.322000	0.000000
enriched	natural killer cell activation involved in immune response	10	0.326068	0.000000

enriched	response to exogenous dsRNA	12	0.637960	0.000000
enriched	cytokine-mediated signaling pathway	35	9.243330	0.000000
enriched	response to organic substance	70	30.537000	0.000000
enriched	response to dsRNA	12	0.723021	0.000000
enriched	humoral immune response	20	3.005500	0.000000
enriched	B cell proliferation	11	0.581252	0.000000
enriched	positive regulation of peptidyl-serine phosphorylation of STAT protein	9	0.283538	0.000000
enriched	response to stimulus	126	76.087300	0.000000
enriched	natural killer cell activation	11	0.723021	0.000001
enriched	positive regulation of immune system process	41	14.106000	0.000001
enriched	T cell activation involved in immune response	11	0.779729	0.000001
enriched	regulation of cytokine production	33	9.753700	0.000001
enriched	leukocyte proliferation	13	1.332630	0.000002
enriched	regulation of immune response	40	14.020900	0.000002
enriched	lymphocyte proliferation	12	1.148330	0.000003
enriched	mononuclear cell proliferation	12	1.162500	0.000004
enriched	T cell activation	17	2.877910	0.000007
enriched	signal transduction	108	66.730600	0.000017
enriched	lymphocyte activation	21	4.820140	0.000018
enriched	negative regulation of viral genome replication	10	0.850613	0.000019
enriched	B cell differentiation	12	1.403510	0.000020
enriched	positive regulation of cytokine production	24	6.294540	0.000020
enriched	leukocyte differentiation	19	4.026230	0.000022
enriched	regulation of receptor signaling pathway via JAK-STAT	13	1.772110	0.000027
enriched	lymphocyte differentiation	16	2.863730	0.000028
enriched	positive regulation of metabolic process	86	50.441400	0.000079
enriched	regulation of viral genome replication	11	1.360980	0.000105
enriched	B cell activation	13	2.084000	0.000134
enriched	negative regulation of viral process	11	1.403510	0.000134
enriched	positive regulation of immune response	29	9.923820	0.000141
enriched	adaptive immune response	16	3.317390	0.000156
enriched	innate immune response	22	6.365420	0.000266
enriched	cell activation	35	14.063500	0.000308
enriched	regulation of cell population proliferation	47	22.470400	0.000456
enriched	response to organic cyclic compound	29	10.646800	0.000493
enriched	regulation of viral life cycle	12	2.027290	0.000534
enriched	pyrimidine nucleoside catabolic process	6	0.326068	0.000683
enriched	regulation of protein phosphorylation	43	20.060300	0.000683
enriched	positive regulation of protein phosphorylation	34	14.035100	0.000697
enriched	positive regulation of phosphorylation	35	14.758100	0.000761
enriched	regulation of cellular process	186	148.489000	0.001130
enriched	positive regulation of nitrogen compound metabolic process	74	44.288600	0.001158
enriched	regulation of signal transduction	73	43.494700	0.001158
enriched	positive regulation of peptidyl-serine phosphorylation	10	1.488570	0.001167
enriched	positive regulation of protein modification process	38	17.139900	0.001167
enriched	response to nitrogen compound	31	12.560700	0.001222
enriched	regulation of phosphorylation	45	22.130100	0.001258
enriched	positive regulation of cellular metabolic process	76	46.230800	0.001314
enriched	response to bacterium	17	4.550780	0.001314
enriched	cellular response to lipopolysaccharide	12	2.296660	0.001374
enriched	cellular process	228	195.131000	0.001472
enriched	cellular response to organic substance	41	19.521600	0.001522
enriched	regulation of viral process	13	2.849550	0.002155
enriched	cellular response to molecule of bacterial origin	12	2.424250	0.002158
enriched	leukocyte activation	30	12.404800	0.002213
enriched	locomotion	33	14.503000	0.002614

enriched	negative regulation of cell population proliferation	25	9.512690	0.003225
enriched	regulation of signaling	78	49.477300	0.003743
enriched	pyrimidine nucleoside metabolic process	6	0.510368	0.004531
enriched	positive regulation of protein metabolic process	45	23.746300	0.005673
enriched	response to lipopolysaccharide	15	4.153830	0.005673
enriched	positive regulation of cellular protein metabolic process	43	22.300200	0.005800
enriched	DNA cytosine deamination	4	0.141769	0.005910
enriched	regulation of smooth muscle cell proliferation	10	1.899700	0.006257
enriched	regulation of peptidyl-serine phosphorylation	10	1.942230	0.007366
enriched	regulation of phosphorus metabolic process	46	24.852100	0.007514
enriched	regulation of T cell differentiation	10	1.956410	0.007606
enriched	blood coagulation	11	2.395890	0.007932
enriched	regulation of lymphocyte activation	18	5.968470	0.008188
enriched	coagulation	11	2.424250	0.008557
enriched	regulation of body fluid levels	17	5.443920	0.008584
enriched	response to molecule of bacterial origin	15	4.380660	0.008744
enriched	cytidine deamination	4	0.170123	0.009167
enriched	cytidine to uridine editing	4	0.170123	0.009167
enriched	hemostasis	11	2.480950	0.009819
enriched	regulation of T cell activation	15	4.451540	0.009919
enriched	positive regulation of cytokine biosynthetic process	7	0.949851	0.011640
enriched	cell motility	29	13.170300	0.011709
enriched	inflammatory response	18	6.209470	0.011709
enriched	response to cytokine	21	7.981590	0.011709
enriched	DNA deamination	4	0.198476	0.013597
enriched	negative regulation of immune system process	18	6.308710	0.013597
enriched	regulation of hemopoiesis	18	6.294540	0.013597
enriched	regulation of secretion	26	11.299000	0.013597
enriched	chemotaxis	15	4.650020	0.014031
enriched	nucleobase-containing small molecule catabolic process	6	0.680490	0.014031
enriched	regulation of interferon-beta production	6	0.680490	0.014031
enriched	positive regulation of cell population proliferation	28	12.759200	0.015129
enriched	positive regulation of interferon-beta production	5	0.425306	0.015536
enriched	regulation of cell differentiation	45	25.249000	0.016646
enriched	regulation of protein secretion	18	6.478840	0.017442
enriched	regulation of leukocyte migration	11	2.736140	0.018695
enriched	negative regulation of single stranded viral RNA replication via double stranded DNA intermediate	4	0.226830	0.019124
enriched	regulation of metabolic process	121	91.497600	0.020707
enriched	positive regulation of protein secretion	13	3.799400	0.021572
enriched	cellular response to exogenous dsRNA	4	0.241007	0.021705
enriched	negative regulation of cytokine production	13	3.827760	0.021705
enriched	positive regulation of secretion	17	6.053530	0.021705
enriched	regulation of cytokine biosynthetic process	8	1.474400	0.021705
enriched	regulation of establishment of protein localization	24	10.448400	0.021705
enriched	regulation of locomotion	29	13.808300	0.021705
enriched	regulation of protein transport	23	9.782050	0.021705
enriched	regulation of lymphocyte differentiation	10	2.381720	0.024208
enriched	cell migration	26	11.894400	0.024242
enriched	cell population proliferation	19	7.343630	0.024242
enriched	B cell receptor signaling pathway	5	0.496191	0.025247
enriched	positive regulation of chemokine production	6	0.793905	0.025247
enriched	cellular response to cytokine stimulus	17	6.195300	0.026358
enriched	regulation of interleukin-6 production	9	1.970590	0.026435
enriched	positive regulation of striated muscle cell differentiation	6	0.822259	0.028908
enriched	regulation of single stranded viral RNA replication via double stranded DNA intermediate	4	0.269361	0.028908

enriched	regulation of protein localization	29	14.247800	0.031595
enriched	regulation of sarcomere organization	3	0.099238	0.031918
enriched	DNA demethylation	4	0.283538	0.033448
enriched	regulation of angiogenesis	13	4.068770	0.034268
enriched	positive regulation of peptide secretion	13	4.082940	0.035099
enriched	positive regulation of establishment of protein localization	17	6.436300	0.037481
enriched	base conversion or substitution editing	4	0.297715	0.037594
enriched	cellular response to dsRNA	4	0.297715	0.037594
enriched	regulation of cell activation	19	7.683870	0.037594
enriched	positive regulation of apoptotic process	21	9.002320	0.038551
enriched	positive regulation of protein transport	16	5.897580	0.040247
enriched	regulation of muscle cell differentiation	9	2.126530	0.040247
enriched	regulation of cellular protein metabolic process	57	36.377900	0.040870
enriched	positive regulation of cell death	22	9.739520	0.041330
enriched	positive regulation of programmed cell death	21	9.073210	0.041330
enriched	demethylation	6	0.921497	0.045042
enriched	negative regulation of transposition	4	0.326068	0.048107

Reactome_-_Pathways

Type	Name	#Hits	Expected score	p-Value
enriched	Interferon alpha/beta signaling	16	0.949851	0.000000
enriched	Regulation of IFNA signaling	10	0.368599	0.000000
enriched	TRAF6 mediated IRF7 activation	10	0.411130	0.000000
enriched	Factors involved in megakaryocyte development and platelet production	11	1.545280	0.000113
enriched	Formation of the Editosome	3	0.127592	0.041282
enriched	mRNA Editing: C to U Conversion	3	0.127592	0.041282

GO_-_Cellular_Component

Type	Name	#Hits	Expected score	p-Value
enriched	extracellular region	51	25.078900	0.001130
enriched	extracellular space	41	20.131200	0.007170
enriched	external side of plasma membrane	14	4.012060	0.025875

KEGG_-_Pathways

Type	Name	#Hits	Expected score	p-Value
enriched	Influenza A	20	2.395890	0.000000
enriched	Toll-like receptor signaling pathway	17	1.488570	0.000000
enriched	Hepatitis B	18	2.296660	0.000000
enriched	Measles	17	1.956410	0.000000
enriched	Cytokine-cytokine receptor interaction	23	4.182180	0.000000
enriched	RIG-I-like receptor signaling pathway	13	0.992382	0.000000
enriched	Autoimmune thyroid disease	11	0.737198	0.000000
enriched	Hepatitis C	16	2.197420	0.000000
enriched	Jak-STAT signaling pathway	16	2.296660	0.000000
enriched	Cytosolic DNA-sensing pathway	11	0.893144	0.000000
enriched	Natural killer cell mediated cytotoxicity	14	1.842990	0.000001
enriched	Kaposi sarcoma-associated herpesvirus infection	16	2.636900	0.000002
enriched	Necroptosis	15	2.310830	0.000002
enriched	Epstein-Barr virus infection	16	2.835380	0.000004

enriched	Human cytomegalovirus infection	16	3.189800	0.000016
enriched	PI3K-Akt signaling pathway	20	5.004440	0.000016
enriched	NOD-like receptor signaling pathway	14	2.551840	0.000029
enriched	Human immunodeficiency virus 1 infection	15	2.991320	0.000032
enriched	Human papillomavirus infection	17	4.664190	0.000341
enriched	Transcriptional misregulation in cancer	12	2.622720	0.000885
enriched	Herpes simplex virus 1 infection	20	6.946670	0.001346
enriched	Tuberculosis	11	2.509310	0.002541
enriched	Pathways in cancer	20	7.499570	0.003385
enriched	Graft-versus-host disease	5	0.581252	0.014473
enriched	Viral protein interaction with cytokine and cytokine receptor	7	1.417690	0.024144
enriched	TNF signaling pathway	7	1.587810	0.043295