

GO id	Term	Annot. genes	Sign. genes	Expected	P-value	Adj. P-value
GO:0002376	immune system process	1490	62	25.03	3.4e-12	0e+00
GO:0006955	immune response	775	42	13.02	8.2e-12	0e+00
GO:0002250	adaptive immune response	241	21	4.05	6.3e-10	0e+00
GO:0002682	regulation of immune system process	821	38	13.79	8.4e-09	0e+00
GO:0042981	regulation of apoptotic process	1026	43	17.24	1.4e-08	0e+00
GO:0043067	regulation of programmed cell death	1040	43	17.47	2.1e-08	0e+00
GO:0001775	cell activation	620	31	10.42	4.3e-08	0e+00
GO:0010941	regulation of cell death	1120	44	18.82	6.3e-08	0e+00
GO:0006952	defense response	823	36	13.83	9.3e-08	0e+00
GO:0050776	regulation of immune response	410	24	6.89	9.7e-08	0e+00
GO:0045321	leukocyte activation	543	28	9.12	1.1e-07	0e+00
GO:0045087	innate immune response	395	23	6.64	2.0e-07	0e+00
GO:0006915	apoptotic process	1301	47	21.86	2.5e-07	0e+00
GO:0002684	positive regulation of immune system pro...	531	27	8.92	2.5e-07	0e+00
GO:0012501	programmed cell death	1323	47	22.23	4.1e-07	0e+00
GO:0002443	leukocyte mediated immunity	216	16	3.63	7.1e-07	0e+00
GO:0002460	adaptive immune response based on somati...	166	14	2.79	7.6e-07	0e+00
GO:0006954	inflammatory response	369	21	6.20	1.0e-06	0e+00
GO:0001816	cytokine production	434	23	7.29	1.0e-06	0e+00
GO:0050896	response to stimulus	4563	110	76.67	1.1e-06	0e+00
GO:0043065	positive regulation of apoptotic process	439	23	7.38	1.3e-06	0e+00
GO:0009617	response to bacterium	283	18	4.75	1.3e-06	0e+00
GO:0043068	positive regulation of programmed cell d...	443	23	7.44	1.5e-06	0e+00
GO:0002819	regulation of adaptive immune response	106	11	1.78	1.6e-06	0e+00
GO:0001817	regulation of cytokine production	385	21	6.47	2.0e-06	0e+00
GO:0006950	response to stress	2248	65	37.77	2.6e-06	0e+00
GO:0008219	cell death	1414	47	23.76	2.8e-06	0e+00
GO:0002703	regulation of leukocyte mediated immunit...	135	12	2.27	2.8e-06	0e+00
GO:0016265	death	1418	47	23.82	3.0e-06	0e+00
GO:0002366	leukocyte activation involved in immune ...	163	13	2.74	3.6e-06	0e+00
GO:0002263	cell activation involved in immune respo...	165	13	2.77	4.1e-06	0e+00
GO:0002822	regulation of adaptive immune response b...	95	10	1.60	4.2e-06	0e+00
GO:0010942	positive regulation of cell death	472	23	7.93	4.3e-06	0e+00
GO:0016337	single organismal cell-cell adhesion	508	24	8.54	4.5e-06	0e+00
GO:0050778	positive regulation of immune response	318	18	5.34	6.8e-06	0e+00
GO:0002252	immune effector process	485	23	8.15	6.8e-06	0e+00
GO:0007159	leukocyte cell-cell adhesion	357	19	6.00	9.1e-06	0e+00
GO:0001819	positive regulation of cytokine producti...	263	16	4.42	9.2e-06	0e+00
GO:0046649	lymphocyte activation	467	22	7.85	1.2e-05	0e+00
GO:0098609	cell-cell adhesion	545	24	9.16	1.5e-05	0e+00
GO:0002449	lymphocyte mediated immunity	160	12	2.69	1.6e-05	0e+00
GO:0002285	lymphocyte activation involved in immune...	111	10	1.87	1.7e-05	0e+00
GO:0098602	single organism cell adhesion	551	24	9.26	1.8e-05	0e+00
GO:0002683	negative regulation of immune system pro...	278	16	4.67	1.8e-05	0e+00
GO:0032623	interleukin-2 production	50	7	0.84	1.8e-05	0e+00
GO:0034109	homotypic cell-cell adhesion	386	19	6.49	2.7e-05	1e-04
GO:0002694	regulation of leukocyte activation	324	17	5.44	3.3e-05	1e-04
GO:0002706	regulation of lymphocyte mediated immuni...	98	9	1.65	3.9e-05	1e-04
GO:0042110	T cell activation	330	17	5.54	4.1e-05	1e-04
GO:0070489	T cell aggregation	330	17	5.54	4.1e-05	1e-04
GO:0007259	JAK-STAT cascade	99	9	1.66	4.2e-05	1e-04
GO:0097696	STAT cascade	99	9	1.66	4.2e-05	1e-04
GO:0071593	lymphocyte aggregation	331	17	5.56	4.3e-05	1e-04
GO:0002286	T cell activation involved in immune res...	57	7	0.96	4.4e-05	1e-04
GO:0097285	cell-type specific apoptotic process	367	18	6.17	4.6e-05	1e-04
GO:0002274	myeloid leukocyte activation	126	10	2.12	5.1e-05	1e-04
GO:0070486	leukocyte aggregation	337	17	5.66	5.4e-05	1e-04
GO:0042267	natural killer cell mediated cytotoxicit...	41	6	0.69	5.8e-05	1e-04
GO:0002705	positive regulation of leukocyte mediate...	81	8	1.36	6.2e-05	1e-04
GO:0007165	signal transduction	2897	73	48.67	7.3e-05	1e-04
GO:0046425	regulation of JAK-STAT cascade	83	8	1.39	7.4e-05	1e-04
GO:1904892	regulation of STAT cascade	83	8	1.39	7.4e-05	1e-04
GO:0002228	natural killer cell mediated immunity	43	6	0.72	7.6e-05	1e-04
GO:0050865	regulation of cell activation	348	17	5.85	8.0e-05	1e-04
GO:0046427	positive regulation of JAK-STAT cascade	44	6	0.74	8.7e-05	1e-04
GO:1904894	positive regulation of STAT cascade	44	6	0.74	8.7e-05	1e-04
GO:0002237	response to molecule of bacterial origin	190	12	3.19	8.7e-05	1e-04
GO:0051716	cellular response to stimulus	3830	90	64.35	9.2e-05	1e-04
GO:0042327	positive regulation of phosphorylation	613	24	10.30	9.6e-05	1e-04
GO:0002697	regulation of immune effector process	288	15	4.84	1.0e-04	1e-04
GO:0007155	cell adhesion	826	29	13.88	1.2e-04	2e-04
GO:0001934	positive regulation of protein phosphory...	583	23	9.80	1.2e-04	2e-04
GO:0042088	T-helper 1 type immune response	30	5	0.50	1.3e-04	2e-04
GO:0042269	regulation of natural killer cell mediat...	30	5	0.50	1.3e-04	2e-04
GO:0048518	positive regulation of biological proces...	3592	85	60.35	1.3e-04	2e-04
GO:0022610	biological adhesion	835	29	14.03	1.5e-04	2e-04
GO:0002715	regulation of natural killer cell mediat...	31	5	0.52	1.5e-04	2e-04
GO:0010562	positive regulation of phosphorus metabo...	672	25	11.29	1.5e-04	2e-04
GO:0045937	positive regulation of phosphate metabol...	672	25	11.29	1.5e-04	2e-04
GO:0001909	leukocyte mediated cytotoxicity	70	7	1.18	1.7e-04	2e-04
GO:0002707	negative regulation of lymphocyte mediat...	32	5	0.54	1.8e-04	2e-04
GO:0001910	regulation of leukocyte mediated cytotox...	50	6	0.84	1.8e-04	2e-04
GO:0044700	single organism signaling	3084	75	51.82	1.9e-04	2e-04
GO:0019221	cytokine-mediated signaling pathway	206	12	3.46	1.9e-04	2e-04
GO:0043403	skeletal muscle tissue regeneration	18	4	0.30	2.0e-04	2e-04
GO:0023052	signaling	3091	75	51.93	2.0e-04	2e-04
GO:0050777	negative regulation of immune response	96	8	1.61	2.1e-04	2e-04
GO:0007166	cell surface receptor signaling pathway	1389	41	23.34	2.1e-04	2e-04
GO:0048584	positive regulation of response to stimu...	1207	37	20.28	2.2e-04	2e-04
GO:0009605	response to external stimulus	1212	37	20.36	2.3e-04	3e-04
GO:0043312	neutrophil degranulation	8	3	0.13	2.5e-04	3e-04
GO:0007154	cell communication	3168	76	53.23	2.6e-04	3e-04
GO:0032612	interleukin-1 production	54	6	0.91	2.8e-04	3e-04
GO:0009611	response to wounding	424	18	7.12	2.9e-04	3e-04
GO:0048583	regulation of response to stimulus	2241	58	37.65	2.9e-04	3e-04
GO:0001906	cell killing	77	7	1.29	3.0e-04	3e-04
GO:0002685	regulation of leukocyte migration	102	8	1.71	3.1e-04	3e-04
GO:0035556	intracellular signal transduction	1613	45	27.10	3.5e-04	4e-04
GO:0050707	regulation of cytokine secretion	104	8	1.75	3.6e-04	4e-04
GO:0002699	positive regulation of immune effector p...	131	9	2.20	3.6e-04	4e-04