

NAME	SIZE	ES	NES	NOM p-val	FDR q-val
GO_LYMPHOCYTE_MIGRATION	100	0.66 2682	2.60 5554	0	0
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION	213	0.59 4902	2.50 326	0	0
GO_REGULATION_OF_T_CELL_ACTIVATION	295	0.57 8123	2.49 9535	0	0
GO_T_CELL_MIGRATION	60	0.68 761	2.49 3484	0	0
GO_POSITIVE_REGULATION_OF_CELL_ACTIVATION	306	0.57 4885	2.48 5302	0	0
GO_T_CELL_SELECTION	46	0.71 8135	2.48 3788	0	0
GO_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION	251	0.57 7862	2.47 1592	0	0
GO_LEUKOCYTE_CELL_CELL_ADHESION	315	0.56 7109	2.46 7614	0	0
GO_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION	20	0.84 115	2.45 0723	0	0
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_ACTIVATION	256	0.57 282	2.44 6987	0	0
GO_T_CELL_PROLIFERATION	173	0.58 8115	2.43 6239	0	0
GO GRANULOCYTE_MIGRATION	131	0.60 1154	2.42 8709	0	0
GO_LEUKOCYTE_CHEMOTAXIS	192	0.57 1646	2.42 5486	0	0
GO_LYMPHOCYTE_CHEMOTAXIS	55	0.68 3626	2.42 2843	0	0
GO_NEUTROPHIL_MIGRATION	109	0.60 9793	2.41 9596	0	0
GO_POSITIVE_REGULATION_OF_T_CELL_PROLIFERATION	91	0.62 4127	2.41 0845	0	0
GO_PHAGOCYTOSIS	245	0.56 2916	2.40 9646	0	0
GO_NEUTROPHIL_CHEMOTAXIS	91	0.62 8903	2.39 2467	0	0
GO GRANULOCYTE_CHEMOTAXIS	109	0.60 9363	2.39 2123	0	0
GO_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY	58	0.66 0735	2.39 1574	0	0
GO_REGULATION_OF_LYMPHOCYTE_ACTIVATION	389	0.54 0677	2.38 4926	0	0

GO_NEGATIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY	29	0.75 7873	2.38 3657	0	0
GO_NEGATIVE_REGULATION_OF_T_CELL_PROLIFERATION	54	0.66 1625	2.37 9403	0	0
GO_T_CELL_ACTIVATION	428	0.53 7028	2.37 4717	0	0
GO_ADAPTIVE_IMMUNE_RESPONSE	373	0.53 8104	2.35 8241	0	0
GO_T_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	96	0.60 517	2.35 7699	0	0
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_MIGRATION	37	0.70 7383	2.34 5374	0	0
GO_POSITIVE_T_CELL_SELECTION	33	0.72 2144	2.34 4931	0	0
GO_REGULATION_OF_T_CELL_MIGRATION	41	0.68 6666	2.34 2113	0	0
GO_DENDRITIC_CELL_DIFFERENTIATION	39	0.69 3192	2.34 0819	0	0
GO_MYELOID_LEUKOCYTE_MIGRATION	189	0.55 3928	2.32 8297	0	0
GO_REGULATION_OF_CELL_ACTIVATION	499	0.52 5062	2.32 645	0	0
GO_REGULATION_OF_CELL_CELL_ADHESION	379	0.52 8376	2.32 3718	0	0
GO_RESPONSE_TO_INTERFERON_GAMMA	184	0.55 9983	2.31 7679	0	0
GO_POSITIVE_REGULATION_OF_T_CELL_MIGRATION	30	0.72 9278	2.31 4566	0	0
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_DIFFERENTIATION	142	0.56 886	2.31 436	0	0
GO_INTERLEUKIN_10_PRODUCTION	50	0.65 9351	2.30 5205	0	0
GO_NEGATIVE_REGULATION_OF_LYMPHOCYTE_ACTIVATION	131	0.56 7592	2.30 2895	0	0
GO_REGULATION_OF_LEUKOCYTE_PROLIFERATION	214	0.54 1933	2.30 2565	0	0
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION	107	0.58 1071	2.30 1881	0	0
GO_TUMOR_NECROSIS_FACTOR_BIOSYNTHETIC_PROCESS	34	0.70 1455	2.28 8693	0	0
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION	95	0.59 2176	2.28 812	0	0
GO_REGULATION_OF_LYMPHOCYTE_MIGRATION	56	0.63 2686	2.28 5851	0	0

GO_LYMPHOCYTE_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	162	0.55 1658	2.28 3278	0	0
GO_B_CELL_RECEPTOR_SIGNALING_PATHWAY	55	0.63 1155	2.28 0671	0	0
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION	125	0.56 0603	2.27 1138	0	0
GO_REGULATION_OF_LEUKOCYTE_CHEMOTAXIS	102	0.57 7891	2.26 6589	0	0
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION	76	0.60 0802	2.26 6166	0	0
GO_CYTOKINE_METABOLIC_PROCESS	65	0.61 5987	2.26 5264	0	0
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_CHEMOTAXIS	81	0.59 9358	2.26 2508	0	0
GO_REGULATORY_T_CELL_DIFFERENTIATION	30	0.72 0113	2.26 2024	0	0
GO_LEUKOCYTE_MIGRATION	403	0.51 3643	2.25 9166	0	0
GO_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY	487	0.50 8336	2.25 0419	0	0
GO_RESPIRATORY_BURST	29	0.71 5101	2.24 9501	0	0
GO_LYMPHOCYTE_DIFFERENTIATION	331	0.51 2976	2.24 7431	0	1.84 E-05
GO_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS	48	0.64 5039	2.24 6182	0	1.80 E-05
GO_INTERFERON_GAMMA_PRODUCTION	103	0.56 9137	2.24 3495	0	1.77 E-05
GO_LEUKOCYTE_PROLIFERATION	278	0.51 81	2.23 8519	0	1.74 E-05
GO_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_VIRUS	29	0.70 7042	2.23 1097	0	1.71 E-05
GO_LYMPHOCYTE_MEDIATED_IMMUNITY	233	0.52 3689	2.23 0246	0	1.68 E-05
GO_EOSINOPHIL_MIGRATION	22	0.74 9464	2.22 7357	0	1.66 E-05
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION	135	0.54 6517	2.22 6928	0	1.63 E-05
GO_MONOCYTE_CHEMOTAXIS	55	0.62 0264	2.22 4015	0	1.60 E-05
GO_LYMPHOCYTE_COSTIMULATION	57	0.61 9028	2.22 2101	0	1.58 E-05
GO_POSITIVE_REGULATION_OF_CELL_ADHESION	385	0.50 26	2.21 9594	0	3.08 E-05

GO_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY	39	0.66	2.21	0	3.04
		239	625		E-05
GO_REGULATION_OF_LEUKOCYTE_DIFFERENTIATION	255	0.51	2.21	0	2.99
		8404	581		E-05
GO_CELL_CHEMOTAXIS	255	0.51	2.21	0	2.95
		1257	2938		E-05
GO_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION	161	0.53	2.21	0	2.90
		8073	0085		E-05
GO_REGULATION_OF_LEUKOCYTE_MIGRATION	182	0.52	2.20	0	2.86
		652	9654		E-05
GO_NEGATIVE_REGULATION_OF_CELL_ACTIVATION	176	0.53	2.20	0	2.82
		1529	7925		E-05
GO_REGULATION_OF_NEUTROPHIL_MIGRATION	36	0.66	2.20	0	4.17
		1333	6015		E-05
GO_REGULATION_OF_T_CELL_DIFFERENTIATION	132	0.54	2.20	0	4.11
		546	5676		E-05
GO_POSITIVE_REGULATION_OF_PHAGOCYTOSIS	62	0.60	2.20	0	4.05
		7817	5594		E-05
GO_INTERLEUKIN_6_PRODUCTION	124	0.55	2.20	0	4.00
		1472	3345		E-05
GO_NEGATIVE_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY	22	0.75	2.20	0	3.95
		819	2546		E-05
GO_THYMIC_T_CELL_SELECTION	22	0.73	2.19	0	3.90
		4441	8023		E-05
GO_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_BIOSYNTHETIC_PROCESS	24	0.72	2.19	0	3.85
		4791	4378		E-05
GO_MEMBRANE_INVAGINATION	61	0.61	2.19	0	3.80
		1614	3723		E-05
GO_ALPHA_BETA_T_CELL_ACTIVATION	129	0.53	2.18	0	3.75
		8771	8612		E-05
GO_REGULATION_OF_PHAGOCYTOSIS	85	0.57	2.18	0	3.70
		288	8126		E-05
GO_T_CELL_DIFFERENTIATION	227	0.51	2.18	0	3.66
		2756	5765		E-05
GO_LEUKOCYTE_DIFFERENTIATION	483	0.49	2.18	0	4.85
		0662	3393		E-05
GO_B_CELL_MEDIATED_IMMUNITY	110	0.54	2.18	0	4.80
		6517	2367		E-05
GO_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION	84	0.57	2.18	0	4.74
		2117	2312		E-05
GO_REGULATION_OF_LEUKOCYTE_APOPTOTIC_PROCESS	76	0.58	2.17	0	4.68
		2758	8112		E-05
GO_T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE	64	0.59	2.17	0	4.63
		1003	776		E-05

GO_MACROPHAGE_ACTIVATION	87	0.56 4028	2.17 5658	0	4.58 E-05
GO_POSITIVE_REGULATION_OF_HEMOPOIESIS	174	0.51 8853	2.17 1401	0	4.53 E-05
GO_POSITIVE_REGULATION_OF_CYTOKINE_BIOSYNTHETIC_PROCESS	36	0.65 1235	2.17 0418	0	4.48 E-05
GO_T_CELL_LINEAGE_COMMITMENT	26	0.69 9669	2.16 6321	0	5.54 E-05
GO_ADAPTIVE_IMMUNE_RESPONSE_BASED_ON_SOMATIC_RECOMBINATION_OF_IMMUNE_RECEPTORS_BUILT_FROM_IMMUNOGLOBULIN_SUPERFAMILY_DOMAINS	241	0.50 6708	2.16 525	0	5.48 E-05
GO_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY	223	0.50 7932	2.16 5066	0	5.42 E-05
GO_POSITIVE_REGULATION_OF_INTERFERON_GAMMA_PRODUCTION	61	0.59 4526	2.16 4817	0	5.36 E-05
GO_SUPEROXIDE_ANION_GENERATION	34	0.66 37	2.16 4041	0	5.31 E-05
GO_MONONUCLEAR_CELL_MIGRATION	79	0.57 0289	2.15 217	0	5.25 E-05
GO_ACTIVATION_OF_IMMUNE_RESPONSE	400	0.48 5214	2.14 9173	0	5.20 E-05
GO_LEUKOCYTE_MIGRATION_INVOLVED_IN_INFLAMMATORY_RESPONSE	15	0.78 2733	2.14 8112	0	5.14 E-05
GO_IMMUNE_RESPONSE_REGULATING_SIGNALING_PATHWAY	356	0.48 916	2.14 5424	0	6.11 E-05
GO_LEUKOCYTE_APOPTOTIC_PROCESS	97	0.55 4626	2.14 5368	0	6.05 E-05
GO_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION	70	0.57 5858	2.14 3602	0	5.99 E-05
GO_MYELOID_DENDRITIC_CELL_ACTIVATION	26	0.69 9618	2.14 1265	0	5.93 E-05
GO_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS	51	0.60 9797	2.13 8035	0	6.86 E-05
GO_NEGATIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION	56	0.59 7583	2.13 5595	0	7.76 E-05
GO_ALPHA_BETA_T_CELL_DIFFERENTIATION	95	0.55 0483	2.13 2121	0	7.69 E-05
GO_RESPONSE_TO_CHEMOKINE	84	0.55 57	2.13 1028	0	8.57 E-05
GO_INTERFERON_GAMMA_MEDIATED_SIGNALING_PATHWAY	84	0.55 9119	2.13 0851	0	8.48 E-05
GO_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION	149	0.51 8556	2.12 7194	0	8.41 E-05
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_10_PRODUCTION	32	0.65 7525	2.11 9292	0	9.27 E-05

GO_ALPHA_BETA_T_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	57	0.58 6809	2.11 8717	0	9.19 E-05
GO_APOPTOTIC_CELL_CLEARANCE	44	0.62 3039	2.11 4624	0	9.10 E-05
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_OR_POLYSACCHARIDE_ANTIGEN_VIA_MHC_CLASS_II	92	0.54 9479	2.11 1593	0	1.08 E-04
GO_REGULATION_OF GRANULOCYTE_CHEMOTAXIS	41	0.62 5649	2.10 0096	0	1.52 E-04
GO_REGULATION_OF_LEUKOCYTE_MEDIATED_IMMUNITY	186	0.50 1449	2.09 4599	0	1.94 E-04
GO_NATURAL_KILLER_CELL_DIFFERENTIATION	21	0.71 9445	2.09 3546	0	1.93 E-04
GO_CELLULAR_EXTRAVASATION	64	0.56 7777	2.09 2932	0	2.00 E-04
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_6_PRODUCTION	76	0.55 1867	2.09 1817	0	2.07 E-04
GO_INTEGRIN_MEDIATED_SIGNALING_PATHWAY	98	0.53 0638	2.09 176	0	2.05 E-04
GO_LEUKOCYTE_MEDIATED_CYTOTOXICITY	96	0.53 5166	2.08 7774	0	2.12 E-04
GO_REGULATION_OF_LYMPHOCYTE_CHEMOTAXIS	25	0.68 3938	2.08 4562	0	2.18 E-04
GO_NEGATIVE_REGULATION_OF_IMMUNE_SYSTEM_PROCESS	382	0.47 3154	2.08 1801	0	2.25 E-04
GO_CYTOKINE_SECRETION	103	0.53 6491	2.07 97	0	2.31 E-04
GO_REGULATION_OF_B_CELL_ACTIVATION	109	0.52 1724	2.07 8072	0	2.29 E-04
GO_ALPHA_BETA_T_CELL_PROLIFERATION	31	0.65 4139	2.07 5075	0	2.36 E-04
GO_REGULATION_OF_NEUTROPHIL_CHEMOTAXIS	27	0.66 8834	2.07 3943	0	2.42 E-04
GO_NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION	155	0.49 7316	2.07 0665	0	2.56 E-04
GO_RESPONSE_TO_MOLECULE_OF_BACTERIAL_ORIGIN	295	0.47 815	2.06 6321	0	2.78 E-04
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_APOPTOTIC_PROCESS	43	0.60 7736	2.06 6242	0	2.76 E-04
GO_REGULATION_OF_MONOCYTE_DIFFERENTIATION	18	0.72 4955	2.06 5359	0	2.73 E-04
GO_INTERLEUKIN_8_PRODUCTION	72	0.55 3318	2.06 4677	0	2.71 E-04
GO_B_CELL_ACTIVATION	227	0.48 8913	2.06 3804	0	2.77 E-04

GO_NEUROINFLAMMATORY_RESPONSE	62	0.56 7238	2.06 1835	0	2.90 E-04
GO_FC_RECEPTOR_MEDIATED_STIMULATORY_SIGNALING_PATHWAY	80	0.54 5332	2.06 1776	0	2.88 E-04
GO_REGULATION_OF_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY	53	0.58 0476	2.05 5048	0	3.08 E-04
GO_LYMPHOCYTE_APOPTOTIC_PROCESS	68	0.55 7205	2.05 4822	0	3.06 E-04
GO_LEUKOCYTE_ACTIVATION_INVOLVED_IN_INFLAMMATORY_RESPONSE	42	0.60 3973	2.05 1811	0	3.41 E-04
GO_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION	56	0.56 731	2.04 9973	0	3.60 E-04
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_8_PRODUCTION	49	0.58 3878	2.04 5623	0	3.72 E-04
GO_INTERLEUKIN_12_PRODUCTION	51	0.57 6115	2.04 2001	0	4.20 E-04
GO_INTERLEUKIN_1_BETA_PRODUCTION	78	0.54 0712	2.03 4562	0	4.75 E-04
GO_INTERLEUKIN_2_PRODUCTION	48	0.58 1805	2.03 3078	0	4.71 E-04
GO_REGULATION_OF_LEUKOCYTE_DEGRANULATION	44	0.59 4485	2.03 2272	0.00 1279	4.82 E-04
GO_CD4_POSITIVE_OR_CD8_POSITIVE_ALPHA_BETA_T_CELL_LINEAGE_COMMITMENT	20	0.70 9071	2.03 2206	0	4.79 E-04
GO_TYPE_2_IMMUNE_RESPONSE	36	0.61 3294	2.03 1384	0	4.76 E-04
GO_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION	85	0.53 4326	2.03 0892	0	4.72 E-04
GO_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	25	0.66 3707	2.02 7085	0	5.04 E-04
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_CHEMOTAXIS	21	0.69 4718	2.02 5358	0	5.27 E-04
GO_EOSINOPHIL_CHEMOTAXIS	18	0.72 1812	2.02 4064	0	5.37 E-04
GO_POSITIVE_REGULATION_OF_MACROPHAGE_MIGRATION	21	0.69 4793	2.02 3289	0	5.47 E-04
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_4_PRODUCTION	23	0.69 1672	2.02 0692	0	5.64 E-04
GO_T_CELL_CHEMOTAXIS	25	0.66 7661	2.01 7918	0	5.73 E-04
GO_LEUKOCYTE_HOMEOSTASIS	78	0.53 6225	2.01 5926	0	5.76 E-04
GO_CELLULAR_RESPONSE_TO_MOLECULE_OF_BACTERIAL_ORIGIN	179	0.48 2988	2.01 4738	0	5.72 E-04

GO_DETECTION_OF_OTHER_ORGANISM	18	0.72 3448	2.01 4725	0	5.69 E-04
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_1_PRODUCTION	51	0.57 339	2.01 3799	0	5.84 E-04
GO_DETECTION_OF_BIOTIC_STIMULUS	34	0.61 1689	2.01 2907	0	5.87 E-04
GO_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	84	0.52 4208	2.00 9333	0	6.22 E-04
GO_DETECTION_OF_EXTERNAL_BIOTIC_STIMULUS	23	0.68 6455	2.00 8252	0	6.24 E-04
GO_MYELOID_LEUKOCYTE_DIFFERENTIATION	191	0.47 5993	2.00 8134	0	6.21 E-04
GO_B_CELL_DIFFERENTIATION	125	0.50 2273	2.00 7046	0	6.36 E-04
GO_POSITIVE_REGULATION_OF_CYTOKINE_PRODUCTION	403	0.45 5171	2.00 6411	0	6.38 E-04
GO_GLIAL_CELL_ACTIVATION	50	0.57 7683	2.00 5353	0	6.40 E-04
GO_ACTIVATED_T_CELL_PROLIFERATION	42	0.60 1511	2.00 4459	0	6.36 E-04
GO_NEGATIVE_REGULATION_OF_INTERFERON_GAMMA_PRODUCTION	30	0.63 5515	2.00 3824	0	6.45 E-04
GO_CHEMOKINE_PRODUCTION	81	0.52 1655	2.00 3218	0	6.47 E-04
GO_REGULATION_OF_TYPE_2_IMMUNE_RESPONSE	28	0.63 691	2.00 1842	0	6.55 E-04
GO_T_CELL_RECEPTOR_SIGNALING_PATHWAY	183	0.48 1442	2.00 1219	0	6.57 E-04
GO_REGULATION_OF_CELL_KILLING	84	0.52 295	2.00 0648	0	6.71 E-04
GO_NEGATIVE_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION	32	0.62 0432	1.99 8819	0	7.21 E-04
GO_INTERLEUKIN_1_PRODUCTION	89	0.52 375	1.99 4079	0	8.05 E-04
GO_NEGATIVE_REGULATION_OF_INTERLEUKIN_6_PRODUCTION	36	0.60 8016	1.99 2638	0	8.36 E-04
GO_HETEROTYPIC_CELL_CELL_ADHESION	60	0.55 0619	1.99 257	0	8.37 E-04
GO_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_PROLIFERATION	20	0.69 3478	1.99 0034	0	8.61 E-04
GO_NATURAL_KILLER_CELL_ACTIVATION	69	0.53 2914	1.98 6396	0	9.61 E-04
GO_IMMUNOGLOBULIN_PRODUCTION_INVOLVED_IN_IMMUNOGLOBULIN_MEDIATED_IMMUNE_RESPONSE	51	0.56 6207	1.98 4737	0	0.00 1001

GO_ANTIGEN_PROCESSING_AND_PRESENTATION	213	0.47	1.98	0	0.00
		2178	1726		1036
GO_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS	21	0.68	1.98	0	0.00
		6965	1096		1047
GO_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION	57	0.55	1.97	0	0.00
		5585	8011		1086
GO_CELLULAR_DEFENSE_RESPONSE	50	0.56	1.97	0	0.00
		1508	7182		1097
GO_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE	134	0.48	1.97	0	0.00
		8395	5596		1125
GO_LYSOSOME_LOCALIZATION	65	0.53	1.97	0	0.00
		5488	5575		1118
GO_POSITIVE_REGULATION_OF_IMMUNE_EFFECTOR_PROCESS	192	0.46	1.96	0	0.00
		795	8357		1245
GO_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION	41	0.57	1.96	0	0.00
		8897	722		1266
GO_MAST_CELL_MEDIATED_IMMUNITY	46	0.56	1.96	0	0.00
		6286	6315		1291
GO_INTERLEUKIN_13_PRODUCTION	20	0.68	1.96	0	0.00
		1554	4891		1317
GO_REGULATION_OF_INFLAMMATORY_RESPONSE	324	0.44	1.96	0	0.00
		9449	1084		1402
GO_REGULATION_OF_HEMOPOIESIS	403	0.44	1.95	0	0.00
		5387	9958		141
GO_REGULATION_OF_LYMPHOCYTE_MEDIATED_IMMUNITY	136	0.48	1.95	0	0.00
		609	942		1403
GO_REGULATION_OF_SUPEROXIDE_ANION_GENERATION	21	0.66	1.95	0	0.00
		3634	4501		1507
GO_REGULATION_OF_B_CELL_MEDIATED_IMMUNITY	46	0.57	1.95	0	0.00
		0415	3829		1526
GO_NEGATIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION	45	0.57	1.95	0	0.00
		4058	3325		1523
GO_B_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	69	0.52	1.95	0	0.00
		6694	0828		1589
GO_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION	109	0.49	1.94	0	0.00
		5192	9691		1596
GO_NEGATIVE_REGULATION_OF_IMMUNE_RESPONSE	142	0.47	1.94	0	0.00
		9957	7314		1629
GO_DENDRITIC_CELL_MIGRATION	23	0.65	1.94	0	0.00
		8673	7142		1621
GO_REGULATION_OF_IMMUNE_EFFECTOR_PROCESS	357	0.43	1.94	0	0.00
		9426	6235		1633
GO_CELL_JUNCTION_DISASSEMBLY	19	0.68	1.94	0	0.00
		7291	3913		1671

GO_NEGATIVE_REGULATION_OF_CYTOKINE_PRODUCTION	232	0.45 643	1.94 3649	0	0.00 1667
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN	175	0.46 3767	1.94 2159	0	0.00 1699
GO_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	17	0.69 5697	1.94 0646	0	0.00 1736
GO_POSITIVE_REGULATION_OF_B_CELL_MEDIATED_IMMUNITY	31	0.60 5321	1.94 0349	0	0.00 1733
GO_NEGATIVE_REGULATION_OF_INTERLEUKIN_10_PRODUCTION	16	0.71 4511	1.94 0082	0.00 1473	0.00 1739
GO_REGULATION_OF_LEUKOCYTE_MEDIATED_CYTOTOXICITY	69	0.52 0618	1.93 9245	0	0.00 1745
GO_CELLULAR_RESPONSE_TO_BIOTIC_STIMULUS	200	0.45 6671	1.93 6701	0	0.00 1771
GO_NATURAL_KILLER_CELL_MEDIATED_IMMUNITY	57	0.53 9032	1.93 6369	0	0.00 1777
GO_PINOCYTOSIS	20	0.66 2529	1.93 4713	0	0.00 1822
GO_NEGATIVE_REGULATION_OF_REGULATED_SECRETORY_PATHWAY	22	0.65 5457	1.93 3004	0	0.00 1872
GO_REGULATION_OF_MACROPHAGE_MIGRATION	35	0.58 9817	1.93 2434	0	0.00 1873
GO_T_CELL_MEDIATED_IMMUNITY	98	0.50 0803	1.93 0382	0	0.00 1975
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS	15	0.72 016	1.92 9704	0	0.00 1984
GO_POSITIVE_REGULATION_OF_TYPE_2_IMMUNE_RESPONSE	15	0.71 6932	1.92 7717	0	0.00 2008
GO_IMMUNOGLOBULIN_SECRETION	19	0.67 3252	1.92 7637	0.00 1439	0.00 1999
GO_NEGATIVE_REGULATION_OF_CELL_ADHESION	245	0.45 2838	1.92 4303	0	0.00 2117
GO_POSITIVE_REGULATION_OF_CALCIIUM_MEDIATED_SIGNALING	39	0.57 7685	1.92 4199	0	0.00 2107
GO_NEGATIVE_REGULATION_OF_EXOCYTOSIS	30	0.61 1381	1.92 1329	0	0.00 2215
GO_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE	45	0.55 6727	1.92 0053	0	0.00 2265
GO_T_CELL_HOMEOSTASIS	36	0.58 9736	1.91 9012	0	0.00 2287
GO_CELL_KILLING	148	0.46 6573	1.91 5337	0	0.00 2407
GO_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE	151	0.46 6833	1.91 44	0	0.00 2437

GO_MYELOID_CELL_DIFFERENTIATION	341	0.43 7918	1.91 3119	0	0.00 2462
GO_ACTIN_POLYMERIZATION_OR_DEPOLYMERIZATION	179	0.45 8553	1.91 2687	0	0.00 2465
GO_T_HELPER_1_TYPE_IMMUNE_RESPONSE	41	0.57 4467	1.91 1594	0	0.00 249
GO_T_CELL_DIFFERENTIATION_IN_THYMUS	71	0.51 3023	1.90 9394	0	0.00 2587
GO_CHRONIC_INFLAMMATORY_RESPONSE	19	0.65 4454	1.90 6452	0.00 2865	0.00 2729
GO_REGULATION_OF_B_CELL_DIFFERENTIATION	27	0.61 065	1.90 4767	0	0.00 2765
GO_REGULATION_OF_B_CELL_RECEPTOR_SIGNALING_PATHWAY	22	0.65 2165	1.90 3639	0	0.00 2807
GO_MACROPHAGE_MIGRATION	47	0.54 0541	1.89 9017	0.00 1294	0.00 2958
GO_ORGANELLE_MEMBRANE_FUSION	87	0.49 6832	1.89 7605	0	0.00 3016
GO_POSITIVE_REGULATION_OF GRANULOCYTE_CHEMOTAXIS	25	0.61 4542	1.89 1776	0	0.00 3324
GO_MEMBRANE_RAFT_ORGANIZATION	22	0.64 073	1.88 9324	0	0.00 3437
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_CYTOKINE_STIMULUS	47	0.54 388	1.88 932	0	0.00 3422
GO_REGULATION_OF_T_CELL_CYTOKINE_PRODUCTION	31	0.58 2745	1.88 4203	0	0.00 3706
GO_REGULATION_OF_HUMORAL_IMMUNE_RESPONSE	66	0.51 4667	1.88 2603	0	0.00 3742
GO_HUMORAL_IMMUNE_RESPONSE_MEDIATED_BY_CIRCULATING_IMMUNOGLOBULIN	46	0.53 8832	1.88 2405	0	0.00 3731
GO_POSITIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE	96	0.48 6505	1.87 9925	0	0.00 3877
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_MEDIATED_IMMUNITY	118	0.46 5705	1.87 9427	0	0.00 3878
GO_POSITIVE_REGULATION_OF_NEUTROPHIL_MIGRATION	27	0.62 1079	1.87 7181	0	0.00 4002
GO_POSITIVE_REGULATION_OF_CYTOKINE_SECRETION	57	0.52 8549	1.87 6747	0	0.00 4002
GO_MACROPHAGE_DIFFERENTIATION	43	0.55 7597	1.87 5058	0.00 1277	0.00 4082
GO_POSITIVE_REGULATION_OF_CHEMOTAXIS	125	0.46 5204	1.87 3544	0	0.00 4162
GO_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION	43	0.54 2307	1.87 1898	0	0.00 4261

GO_LYMPHOID_PROGENITOR_CELL_DIFFERENTIATION	20	0.64 7802	1.87 0933	0	0.00 4298
GO_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION	52	0.53 1853	1.86 9906	0	0.00 4347
GO_REGULATION_OF_ISOTYPE_SWITCHING	29	0.58 7965	1.86 9548	0	0.00 4353
GO_CELL_SUBSTRATE_ADHESION	318	0.43 0243	1.86 6694	0	0.00 4561
GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY	85	0.48 9572	1.86 5159	0	0.00 4641
GO_TOLERANCE_INDUCION	21	0.64 5559	1.86 4771	0	0.00 4647
GO_REGULATION_OF_MAST_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	31	0.58 2984	1.86 1766	0	0.00 4831
GO_ASTROCYTE_DEVELOPMENT	40	0.55 1011	1.86 117	0.00 1348	0.00 4884
GO_POSITIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION	26	0.61 4167	1.85 9909	0.00 1418	0.00 4953
GO_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	53	0.52 4617	1.85 9638	0	0.00 4946
GO_POSITIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY	18	0.66 5807	1.85 9279	0	0.00 4934
GO_NEGATIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE	24	0.62 0003	1.85 9048	0	0.00 4934
GO_B_CELL_PROLIFERATION	86	0.48 9763	1.85 7516	0	0.00 5026
GO_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE	76	0.49 3886	1.85 7345	0	0.00 5018
GO_REGULATION_OF_CALCIIUM_MEDIATED_SIGNALING	84	0.48 7257	1.85 5789	0	0.00 5124
GO_POSITIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	32	0.57 7463	1.85 5202	0	0.00 5139
GO_MYELOID_DENDRITIC_CELL_DIFFERENTIATION	16	0.67 2624	1.85 1922	0.00 1443	0.00 54
GO_BASEMENT_MEMBRANE_ORGANIZATION	28	0.59 4438	1.85 059	0	0.00 5508
GO_MONONUCLEAR_CELL_DIFFERENTIATION	33	0.57 0431	1.85 008	0	0.00 5522
GO_T_HELPER_CELL_LINEAGE_COMMITMENT	15	0.69 0078	1.84 9726	0	0.00 5543
GO_REGULATION_OF_CELL_SHAPE	134	0.45 1516	1.84 7096	0	0.00 5752
GO_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS	26	0.60 0347	1.84 7015	0.00 141	0.00 573

GO_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL	41	0.53 9541	1.84 6481	0.00 1312	0.00 5739
GO_ORGANELLE_FUSION	111	0.46 7681	1.84 571	0	0.00 5744
GO_REGULATION_OF_B_CELL_APOPTOTIC_PROCESS	19	0.63 9711	1.84 4798	0.00 1437	0.00 5787
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_MEDIATED_IMMUNITY	51	0.52 6968	1.84 3141	0	0.00 5867
GO_MAST_CELL_ACTIVATION	57	0.51 78	1.84 3022	0	0.00 5852
GO_B_CELL_APOPTOTIC_PROCESS	25	0.60 227	1.84 167	0	0.00 5943
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_DIFFERENTIATION	91	0.47 8315	1.84 0791	0	0.00 5988
GO_POSITIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE	175	0.44 5226	1.83 9779	0	0.00 6063
GO_ACUTE_INFLAMMATORY_RESPONSE	101	0.46 8837	1.83 9559	0	0.00 6059
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_MEDIATED_IMMUNITY	92	0.47 2742	1.83 4572	0	0.00 6432
GO_INTERLEUKIN_4_PRODUCTION	32	0.57 8623	1.83 4107	0	0.00 6449
GO_LYTIC_VACUOLE_ORGANIZATION	55	0.51 1185	1.83 3734	0	0.00 6447
GO_MEMBRANE_FUSION	133	0.45 4533	1.83 1246	0	0.00 6708
GO_REGULATION_OF_CELL_SUBSTRATE_ADHESION	190	0.43 3435	1.82 8466	0	0.00 6953
GO_COMPLEMENT_ACTIVATION	64	0.49 4506	1.82 8443	0	0.00 6928
GO_REGULATION_OF_CHEMOTAXIS	190	0.43 6561	1.82 6906	0	0.00 7026
GO_ENDOSOME_TO_LYSOSOME_TRANSPORT	41	0.54 0898	1.82 4952	0	0.00 7209
GO_POSITIVE_REGULATION_OF_B_CELL_ACTIVATION	69	0.49 6027	1.82 492	0	0.00 7187
GO_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE	27	0.58 5107	1.82 4214	0.00 1401	0.00 7226
GO_T_CELL_APOPTOTIC_PROCESS	45	0.53 0189	1.82 3296	0	0.00 7282
GO_NEGATIVE_REGULATION_OF_T_CELL_DIFFERENTIATION	37	0.55 3988	1.82 1816	0	0.00 7399
GO_LYMPHOCYTE_HOMEOSTASIS	58	0.51 1743	1.82 0961	0	0.00 7443

GO_REGULATION_OF_CELL_MATRIX_ADHESION	109	0.45 7671	1.81 5534	0	0.00 8015
GO_REGULATION_OF_ACTIN_FILAMENT_LENGTH	153	0.43 8857	1.81 469	0	0.00 8061
GO_ERK1_AND_ERK2_CASCADE	268	0.42 0259	1.81 3919	0	0.00 8124
GO_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE	95	0.46 1756	1.81 3413	0	0.00 8148
GO_REGULATION_OF_ACTIN_CYTOSKELETON_REORGANIZATION	37	0.55 2148	1.81 2873	0.00 1406	0.00 8189
GO_REGULATION_OF_MONONUCLEAR_CELL_MIGRATION	41	0.52 7225	1.81 2859	0	0.00 8161
GO_PHAGOSOME_MATURATION	45	0.53 0268	1.81 2549	0	0.00 8157
GO_DENDRITIC_CELL_CHEMOTAXIS	18	0.63 5237	1.81 0563	0	0.00 8329
GO_ENTRY_INTO_HOST	130	0.44 8075	1.80 9737	0	0.00 8389
GO_NEGATIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION	46	0.51 4913	1.80 9514	0.00 2571	0.00 8391
GO_REGULATION_OF_NATURAL_KILLER_CELL_ACTIVATION	30	0.57 4097	1.80 7814	0.00 1399	0.00 8543
GO_NEGATIVE_REGULATION_OF_INFLAMMATORY_RESPONSE	129	0.45 0687	1.80 6655	0	0.00 868
GO_MOVEMENT_IN_HOST_ENVIRONMENT	150	0.44 5306	1.80 6012	0	0.00 8742
GO_REGULATION_OF_B_CELL_PROLIFERATION	59	0.49 7391	1.80 3401	0.00 1255	0.00 8982
GO_LIPOPOLYSACCHARIDE_MEDIATED_SIGNALING_PATHWAY	55	0.51 0753	1.80 2831	0	0.00 9026
GO_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE	44	0.53 6408	1.80 1701	0.00 1287	0.00 9143
GO_POSITIVE_REGULATION_OF_CELL_KILLING	56	0.49 8745	1.79 8948	0	0.00 9506
GO_REGULATION_OF_MACROPHAGE_CHEMOTAXIS	23	0.59 2918	1.79 8615	0.00 1435	0.00 9528
GO_COAGULATION	303	0.41 4037	1.79 7461	0	0.00 9612
GO_NEGATIVE_REGULATION_OF_MACROPHAGE_ACTIVATION	16	0.66 046	1.79 5803	0.00 4471	0.00 9805
GO_REGULATION_OF_MACROPHAGE_ACTIVATION	50	0.51 1502	1.79 4466	0.00 1305	0.00 9914
GO_REGULATION_OF_MAST_CELL_ACTIVATION	40	0.52 6021	1.79 3153	0.00 1318	0.01 0053

GO_PRODUCTION_OF_MOLECULAR_MEDIATOR_INVOLVED_IN_INFLAMMATORY_RESPONSE	67	0.48 4208	1.79 2621	0	0.01 0092
GO_POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION	84	0.47 4947	1.79 1868	0	0.01 017
GO_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRESSURE_BY_RENIN_ANGIOTENSIN	25	0.58 7102	1.79 1753	0.00 5764	0.01 0147
GO_MATURE_B_CELL_DIFFERENTIATION	26	0.58 1088	1.78 8912	0.00 1433	0.01 0461
GO_REGULATION_OF_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS	21	0.61 5849	1.78 8479	0.00 419	0.01 0502
GO_NEGATIVE_REGULATION_OF_IMMUNE_EFFECTOR_PROCESS	114	0.45 5754	1.78 7255	0	0.01 0629
GO_REGULATION_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE	89	0.46 006	1.78 5521	0	0.01 0854
GO_RESPONSE_TO_TUMOR_NECROSIS_FACTOR	270	0.41 5012	1.78 3573	0	0.01 1085
GO_REGULATION_OF_T_CELL_CHEMOTAXIS	17	0.65 1483	1.78 2435	0.00 1534	0.01 1218
GO_MYELOID_CELL_HOMEOSTASIS	129	0.44 1911	1.78 0089	0	0.01 1548
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_2_PRODUCTION	25	0.58 961	1.77 9895	0.00 135	0.01 1547
GO_ACTIN_FILAMENT_DEPOLYMERIZATION	51	0.50 46	1.77 9021	0	0.01 1624
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_EXTERNAL_STIMULUS	450	0.40 3897	1.77 7505	0	0.01 1852
GO_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS	30	0.55 7991	1.77 6953	0.00 1479	0.01 1893
GO_HUMORAL_IMMUNE_RESPONSE	223	0.41 9322	1.77 4268	0	0.01 2285
GO_INTERACTION_WITH_HOST	187	0.41 7768	1.77 2131	0	0.01 2552
GO_NEGATIVE_REGULATION_OF_CELLULAR_COMPONENT_MOVEMENT	278	0.40 8549	1.77 0914	0	0.01 2713
GO_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION	235	0.41 4282	1.77 0778	0	0.01 2701
GO_NEGATIVE_REGULATION_OF_HEMOPOIESIS	126	0.43 737	1.77 0628	0	0.01 2681
GO_NEGATIVE_REGULATION_OF_MAPK_CASCADE	154	0.43 2882	1.76 9618	0	0.01 2824
GO_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY	68	0.48 1108	1.76 8581	0	0.01 2957
GO_REGULATION_OF_PRODUCTION_OF_MOLECULAR_MEDIATOR_OF_IMMUNE_RESPONSE	124	0.44 4529	1.76 8255	0	0.01 2991

GO_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING	93	0.45 6121	1.76 547	0.00 2358	0.01 3364
GO_POSITIVE_REGULATION_OF_T_CELL_CYTOKINE_PRODUCTION	19	0.60 9047	1.76 3069	0.00 4405	0.01 377
GO_POSITIVE_REGULATION_OF_CHEMOKINE_PRODUCTION	55	0.49 5263	1.76 0298	0.00 1256	0.01 4184
GO_NEGATIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE	47	0.50 444	1.75 7414	0 4698	0.01
GO_PH_REDUCTION	53	0.49 7137	1.75 6732	0.00 1285	0.01 4765
GO_REGULATION_OF_SYNCYTIUM_FORMATION_BY_PLASMA_MEMBRANE_FUSION	26	0.57 5044	1.75 586	0.00 1362	0.01 4901
GO_NEGATIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	24	0.58 3538	1.75 4122	0.00 4115	0.01 5258
GO_INTERLEUKIN_7_MEDIATED_SIGNALING_PATHWAY	17	0.63 284	1.75 2938	0.00 4666	0.01 5443
GO_ENGULFMENT_OF_APOPTOTIC_CELL	15	0.65 0715	1.75 0655	0.00 8772	0.01 5859
GO_REGULATION_OF_T_HELPER_1_TYPE_IMMUNE_RESPONSE	26	0.57 1877	1.74 9945	0.00 411	0.01 5957
GO_FC_RECEPTOR_SIGNALING_PATHWAY	169	0.41 7327	1.74 9322	0 6056	0.01
GO_ACTIN_CYTOSKELETON_REORGANIZATION	93	0.45 225	1.74 896	0 6077	0.01
GO_POSITIVE_REGULATION_OF_NF_KAPPAB_TRANSCRIPTION_FACTOR_ACTIVITY	145	0.42 5236	1.74 878	0.00 1125	0.01 61
GO_REGULATION_OF_IMMUNOGLOBULIN_PRODUCTION	54	0.49 8856	1.74 8402	0 613	0.01
GO_INOSITOL_PHOSPHATE_BIOSYNTHETIC_PROCESS	21	0.60 2027	1.74 802	0.00 554	0.01 6162
GO_POSITIVE_REGULATION_OF_PEPTIDE_SECRETION	196	0.41 6818	1.74 6387	0 6407	0.01
GO_GLIAL_CELL_APOPTOTIC_PROCESS	15	0.64 8628	1.74 5926	0.00 4484	0.01 6461
GO_REGULATION_OF_INNATE_IMMUNE_RESPONSE	267	0.40 2754	1.74 5505	0 6475	0.01
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL	19	0.61 3552	1.74 5066	0.00 1447	0.01 6497
GO_NEGATIVE_REGULATION_OF_DEFENSE_RESPONSE	194	0.41 6694	1.74 4975	0 6464	0.01
GO_POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY	50	0.49 5673	1.74 4507	0.00 1271	0.01 6503
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_MIGRATION	39	0.51 7401	1.74 4272	0.00 2649	0.01 6493

GO_MODIFICATION_OF_SYNAPTIC_STRUCTURE	23	0.59 4902	1.74 3316	0.00 8403	0.01 6647
GO_CHEMOKINE_BIOSYNTHETIC_PROCESS	15	0.65 3308	1.74 2113	0.00 1495	0.01 6845
GO_PLATELET_ACTIVATION	146	0.42 7054	1.74 0581	0 7101	0.01
GO_REGULATION_OF_ACTIN_FILAMENT_ORGANIZATION	225	0.41 0841	1.73 9096	0 7388	0.01
GO_RELEASE_OF_CYTOCHROME_C_FROM_MITOCHONDRIA	53	0.48 8179	1.73 8357	0.00 1305	0.01 7483
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_MEDIATED_CYTOTOXICITY	20	0.60 3339	1.73 8092	0.00 3021	0.01 7513
GO_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION	193	0.41 3069	1.73 7771	0 7554	0.01
GO_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT	144	0.42 497	1.73 2489	0 8579	0.01
GO_MACROPHAGE_CHEMOTAXIS	34	0.53 2818	1.72 8947	0.00 3922	0.01 9367
GO_POSITIVE_REGULATION_OF_JNK_CASCADE	126	0.42 5184	1.72 758	0 9686	0.01
GO_REGULATION_OF_GTPASE_ACTIVITY	376	0.39 2732	1.72 6301	0 9932	0.01
GO_REGULATION_OF_ACTIN_FILAMENT_BASED_PROCESS	336	0.39 5743	1.72 6184	0 9899	0.01
GO_REGULATION_OF_CELLULAR_EXTRAVASATION	31	0.54 3783	1.72 6056	0.00 2755	0.01 9878
GO_T_CELL_CYTOKINE_PRODUCTION	42	0.50 8448	1.72 4904	0.00 1295	0.02 008
GO_NEGATIVE_REGULATION_OF_PRODUCTION_OF_MOLECULAR_MEDIATOR_OF_IMMUNE_RESPONSE	35	0.53 8066	1.72 3849	0.00 267	0.02 0286
GO_REGULATION_OF_EXTRACELLULAR_MATRIX_ORGANIZATION	34	0.52 4312	1.72 3463	0.00 4027	0.02 0319
GO_POSITIVE_REGULATION_OF_CALCIIUM_ION_IMPORT	19	0.60 6015	1.72 1642	0.00 8889	0.02 0805
GO_POSITIVE_REGULATION_OF_GLIOGENESIS	65	0.47 9599	1.71 7735	0.00 1284	0.02 1608
GO_CD40_SIGNALING_PATHWAY	15	0.64 6448	1.71 7725	0.00 3115	0.02 155
GO GRANULOCYTE DIFFERENTIATION	34	0.52 9609	1.71 6487	0.00 1366	0.02 1757
GO_TISSUE_REMODELING	152	0.42 084	1.71 6466	0 1701	0.02
GO_NEGATIVE_REGULATION_OF_ENDOCYTOSIS	39	0.51 0216	1.71 485	0.00 406	0.02 205

GO_WOUND_HEALING	461	0.38	1.71	0	0.02
		6492	2691		2576
GO_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE	328	0.39	1.71	0	0.02
		241	0635		3018
GO_REGULATION_OF_T_HELPER_CELL_DIFFERENTIATION	33	0.52	1.71	0.00	0.02
		5842	0506	1364	3002
GO_DEFENSE_RESPONSE_TO_BACTERIUM	200	0.40	1.71	0	0.02
		689	0415		2946
GO_TUMOR_NECROSIS_FACTOR_MEDIATED_SIGNALING_PATHWAY	153	0.41	1.70	0	0.02
		3463	7491		36
GO_REGULATION_OF_AMINO_ACID_TRANSPORT	35	0.51	1.70	0.00	0.02
		7422	5603	6579	4116
GO_MYELOID_CELL_DEVELOPMENT	58	0.47	1.70	0	0.02
		5433	4868		4262
GO_POSITIVE_REGULATION_OF_NATURAL_KILLER_CELL_ACTIVATION	19	0.60	1.70	0.01	0.02
		4471	4523	2552	4302
GO_REGULATION_OF_CELL_SUBSTRATE_JUNCTION_ORGANIZATION	59	0.47	1.70	0.00	0.02
		0557	4039	2591	4368
GO_PROGRAMMED_NECROTIC_CELL_DEATH	39	0.49	1.70	0.00	0.02
		9433	3535	1314	4435
GO_POSITIVE_REGULATION_OF_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION	340	0.38	1.70	0	0.02
		7422	3477		4393
GO_RESPONSE_TO_INTERLEUKIN_1	189	0.40	1.70	0	0.02
		6178	1985		4779
GO_NEGATIVE_REGULATION_OF_MAP_KINASE_ACTIVITY	72	0.46	1.70	0.00	0.02
		0444	1872	1221	4752
GO_T_HELPER_2_CELL_CYTOKINE_PRODUCTION	15	0.63	1.70	0.01	0.02
		431	1687	0417	4734
GO_POSITIVE_REGULATION_OF_RELEASE_OF_SEQUESTERED_CALCIUM_ION_INTO_CYTOSOL	36	0.52	1.70	0.00	0.02
		0234	1347	2567	4749
GO_REGULATION_OF_ERBB_SIGNALING_PATHWAY	84	0.44	1.70	0.00	0.02
		133	1297	1203	4693
GO_NEGATIVE_REGULATION_OF_INNATE_IMMUNE_RESPONSE	55	0.47	1.70	0	0.02
		2336	0721		4784
GO_PRODUCTION_OF_MOLECULAR_MEDIATOR_OF_IMMUNE_RESPONSE	187	0.40	1.70	0	0.02
		7807	0374		48
GO_NEGATIVE_REGULATION_OF_B_CELL_PROLIFERATION	17	0.60	1.70	0.01	0.02
		9459	0045	1799	4819
GO_CELL_MATRIX_ADHESION	203	0.40	1.69	0	0.02
		4357	9997		4774
GO_ENDOCYTIC_RECYCLING	42	0.49	1.69	0.00	0.02
		9227	8901	3932	5026
GO_REGULATION_OF_OSTEOCLAST_DIFFERENTIATION	60	0.47	1.69	0.00	0.02
		5158	8752	1253	5008

GO_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING	159	0.41	1.69	0	0.02
		4251	8388		5037
GO_IMMUNOGLOBULIN_PRODUCTION	100	0.43	1.69	0	0.02
		6857	6441		5582
GO_VACUOLE_ORGANIZATION	133	0.42	1.69	0	0.02
		0009	6288		5553
GO_REGULATION_OF_CALCIUM_ION_TRANSPORT_INTO_CYTOSOL	87	0.44	1.69	0.00	0.02
		1746	6049	346	5562
GO_NEGATIVE_REGULATION_OF_INTERLEUKIN_2_PRODUCTION	19	0.59	1.69	0.01	0.02
		3284	5563	7467	5629
GO_REGULATION_OF_VESICLE_FUSION	27	0.55	1.69	0.00	0.02
		0435	5038	1422	5691
GO_ACTIVATION_OF_CYSINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_PROCESS	74	0.45	1.69	0	0.02
		2638	3568		6085
GO_REGULATION_OF_RESPONSE_TO_CYTOKINE_STIMULUS	149	0.41	1.69	0	0.02
		5541	3062		618
GO_POSITIVE_REGULATION_OF_CELLULAR_COMPONENT_MOVEMENT	482	0.38	1.69	0	0.02
		0844	0928		6713
GO_POSITIVE_REGULATION_OF_ALCOHOL_BIOSYNTHETIC_PROCESS	24	0.55	1.68	0.01	0.02
		6706	9464	3928	7058
GO_CALCIUM_MEDIATED_SIGNALING	185	0.40	1.68	0	0.02
		5889	9257		7063
GO_NEGATIVE_REGULATION_OF_B_CELL_ACTIVATION	32	0.52	1.68	0.00	0.02
		6841	8503	9472	721
GO_REGULATION_OF_VESICLE_MEDIATED_TRANSPORT	500	0.38	1.68	0	0.02
		2064	8194		7234
GO_I_KAPPAB_KINASE_NF_KAPPAB_SIGNALING	243	0.39	1.68	0	0.02
		4415	8016		7247
GO_CELL_ADHESION_MEDIATED_BY_INTEGRIN	63	0.46	1.68	0.00	0.02
		3553	5468	1267	7919
GO_RESPONSE_TO_PROTOZOAN	23	0.56	1.68	0.00	0.02
		4215	5465	7205	7852
GO_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT	27	0.54	1.68	0.00	0.02
		4399	475	9972	7994
GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_EXTERNAL_STIMULUS	343	0.38	1.68	0	0.02
		4972	3506		8305
GO_NEGATIVE_REGULATION_OF_CHEMOTAXIS	54	0.47	1.68	0.00	0.02
		2653	2918	1258	8431
GO_HOMEOSTASIS_OF_NUMBER_OF_CELLS	220	0.39	1.68	0	0.02
		4772	1965		8681
GO_SNARE_COMPLEX_ASSEMBLY	16	0.60	1.68	0.00	0.02
		9555	19	1479	8622
GO_PROTEIN_KINASE_B_SIGNALING	231	0.39	1.68	0	0.02
		5972	1656		863

GO_POSITIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE	20	0.58 8124	1.68 1324	0.01 059	0.02 8658
GO_NEGATIVE_REGULATION_OF_CALCIIUM_MEDIATED_SIGNALING	25	0.54 5743	1.68 0053	0.00 5502	0.02 8993
GO_POSITIVE_REGULATION_OF_CALCIIUM_ION_TRANSPORT_INTO_CYTOSOL	50	0.47 8881	1.67 9168	0.00 8906	0.02 914
GO_ACTIN_FILAMENT_ORGANIZATION	357	0.38 2455	1.67 9073	0 	0.02 9102
GO_TOLL_LIKE_RECEPTOR_4_SIGNALING_PATHWAY	31	0.52 2801	1.67 8621	0.00 8499	0.02 9176
GO_NEGATIVE_REGULATION_OF_CYTOKINE_SECRETION	24	0.55 6892	1.67 8169	0.01 264	0.02 9274
GO_REGULATION_OF_MONOCYTE_CHEMOTAXIS	20	0.57 9278	1.67 7795	0.01 2931	0.02 9316
GO_INACTIVATION_OF_MAPK_ACTIVITY	25	0.55 1683	1.67 6631	0.01 2097	0.02 9662
GO_OSTEOCLAST_DIFFERENTIATION	88	0.44 3222	1.67 5348	0 	0.02 9947
GO_POSITIVE_REGULATION_OF_GTPASE_ACTIVITY	311	0.38 628	1.67 5198	0 	0.02 9931
GO_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS	28	0.53 997	1.67 4108	0.00 1418	0.03 0209
GO_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY	30	0.52 6473	1.67 3502	0.01 1189	0.03 0331
GO_REGULATION_OF_EXOCYTOSIS	204	0.39 5912	1.67 1433	0 	0.03 0951
GO_RESPONSE_TO_INTERLEUKIN_12	46	0.48 8655	1.67 1179	0.00 1312	0.03 0984
GO_POSITIVE_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT	86	0.43 348	1.66 9516	0.00 3632	0.03 1516
GO_ASTROCYTE_ACTIVATION	22	0.56 314	1.66 9198	0.00 561	0.03 1578
GO_NECROTIC_CELL_DEATH	47	0.48 6445	1.66 8917	0.00 2551	0.03 1605
GO_NEGATIVE_REGULATION_OF_SECRETION	165	0.40 2414	1.66 8869	0 	0.03 1555
GO_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRESSURE_BY_CIRCULATORY_RENIN_ANGIOTENSIN	18	0.59 1578	1.66 8411	0.00 6051	0.03 1658
GO_POSITIVE_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN	19	0.59 7994	1.66 8068	0.01 0279	0.03 1692
GO_POSITIVE_REGULATION_OF_SECRETION	338	0.38 1607	1.66 5973	0 	0.03 2353
GO_REGULATION_OF_CYSSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY	208	0.39 3309	1.66 4774	0 	0.03 2686

GO_POSITIVE_REGULATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY	130	0.41	1.66	0	0.03
		5583	469		265
GO_POSITIVE_REGULATION_OF_I_KAPPAB_KINASE_NF_KAPPAB_SIGNALING	165	0.40	1.66	0.00	0.03
		2573	4446	1095	2658
GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_BIOTIC_STIMULUS	86	0.43	1.66	0	0.03
		7133	4414		26
GO_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS	39	0.49	1.66	0.00	0.03
		7121	4281	9126	257
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_CHEMOTAXIS	15	0.62	1.66	0.01	0.03
		0413	419	0279	2524
GO_POSITIVE_REGULATION_OF_CALCIUM_ION_TRANSPORT	108	0.41	1.66	0.00	0.03
		5979	1658	1127	336
GO_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_ADHESION	113	0.41	1.66	0.00	0.03
		8263	0837	3444	3599
GO_BONE_CELL_DEVELOPMENT	29	0.52	1.66	0.00	0.03
		5172	0476	1387	3632
GO_NEGATIVE_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY	18	0.59	1.66	0.00	0.03
		9531	0456	8824	3564
GO_POSITIVE_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS	90	0.42	1.65	0.00	0.03
		9329	7936	119	4333
GO_INTERLEUKIN_17_PRODUCTION	32	0.51	1.65	0.00	0.03
		3395	7819	6803	429
GO_NEGATIVE_REGULATION_OF_AMYLOID_PRECURSOR_PROTEIN_CATABOLIC_PROCESS	16	0.60	1.65	0.01	0.03
		5884	7573	62	4287
GO_REGULATION_OF_ENDOCYTOSIS	193	0.39	1.65	0	0.03
		1862	714		4372
GO_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY	25	0.54	1.65	0.00	0.03
		558	5923	672	4727
GO_NEGATIVE_REGULATION_OF_PHOSPHORUS_METABOLIC_PROCESS	463	0.37	1.65	0	0.03
		3084	5864		4668
GO_LEUKOCYTE_TETHERING_OR_ROLLING	28	0.53	1.65	0.00	0.03
		1551	5311	5731	4815
GO_RESPONSE_TO_PROSTAGLANDIN	31	0.51	1.65	0.01	0.03
		4832	511	105	4836
GO_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN	43	0.48	1.65	0.00	0.03
		5542	4325	5222	5079
GO_RECEPTOR_BIOSYNTHETIC_PROCESS	23	0.55	1.65	0.00	0.03
		2178	4093	9929	5104
GO_MYD88_DEPENDENT_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	33	0.50	1.65	0.00	0.03
		7365	2995	5556	5418
GO_MHC_CLASS_II_BIOSYNTHETIC_PROCESS	16	0.60	1.65	0.00	0.03
		8768	1561	8772	5897
GO_POSITIVE_REGULATION_OF_NITRIC_OXIDE_SYNTHASE_BIOSYNTHETIC_PROCESS	15	0.62	1.65	0.01	0.03
		2977	1237	4749	5917

GO_REGULATION_OF_MONOOXYGENASE_ACTIVITY	55	0.46 2008	1.65 0682	0.00 3741	0.03 6049
GO_POSITIVE_REGULATION_OF_MAPK_CASCADE	473	0.37 1566	1.64 8297	0	0.03 6851
GO_NEGATIVE_REGULATION_OF_INTERLEUKIN_1_PRODUCTION	25	0.54 7708	1.64 8043	0.00 5479	0.03 687
GO_REGULATION_OF_NATURAL_KILLER_CELL_MEDIATED_IMMUNITY	40	0.48 5824	1.64 7406	0.00 6631	0.03 7007
GO_T_HELPER_1_CELL_DIFFERENTIATION	16	0.60 2674	1.64 6881	0.01 4684	0.03 7126
GO_SOMATIC_DIVERSIFICATION_OF_IMMUNOGLOBULINS	55	0.46 1982	1.64 6604	0.00 2506	0.03 7156
GO_MODULATION_BY_HOST_OF_VIRAL_PROCESS	27	0.53 7056	1.64 2171	0.01 0929	0.03 8806
GO_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	129	0.40 8851	1.64 06	0	0.03 9347
GO_NEGATIVE_REGULATION_OF_PHOSPHORYLATION	381	0.37 2142	1.63 9348	0	0.03 9841
GO_POSITIVE_REGULATION_OF_SUPRAMOLECULAR_FIBER_ORGANIZATION	173	0.39 4919	1.63 8718	0.00 1085	0.04 0017
GO_STRESS_FIBER_ASSEMBLY	88	0.42 66	1.63 8237	0.00 2361	0.04 0124
GO_POSITIVE_REGULATION_OF_T_HELPER_1_TYPE_IMMUNE_RESPONSE	19	0.56 9506	1.63 7722	0.01 3025	0.04 022
GO_RUFFLE_ORGANIZATION	44	0.48 2288	1.63 715	0.00 3953	0.04 0331
GO_REGULATION_OF_CALCIIUM_ION_TRANSPORT	218	0.38 4434	1.63 6861	0	0.04 0375
GO_NEGATIVE_REGULATION_OF_NATURAL_KILLER_CELL_MEDIATED_IMMUNITY	17	0.59 3246	1.63 551	0.00 8876	0.04 0817
GO_BARBED_END_ACTIN_FILAMENT_CAPPING	21	0.55 6646	1.63 5442	0.01 4306	0.04 0751
GO_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION	41	0.47 7945	1.63 465	0.00 9309	0.04 0979
GO_REGULATION_OF_T_CELL_DIFFERENTIATION_IN_THYMUS	23	0.53 5961	1.63 4445	0.00 9459	0.04 1003
GO_MATURE_B_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE	20	0.56 5146	1.63 2438	0.02 1521	0.04 1833
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_APOPTOTIC_PROCESS	24	0.53 9212	1.63 2424	0.00 2833	0.04 1752
GO_POSITIVE_REGULATION_OF_CYTOSOLIC_CALCIIUM_ION_CONCENTRATION_INVOLVED_IN_PHOSPHOLIPASE_C_ACTIVATING_G_PROTEIN_COUPLED_SIGNALING_PATHWAY	28	0.52 1946	1.63 1468	0.00 9485	0.04 2031
GO_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION	177	0.39 2943	1.63 1226	0	0.04 2033

GO_RESPONSE_TO_INTERLEUKIN_7	27	0.53 079	1.63 0496	0.01 0944	0.04 225
GO_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY	55	0.45 4771	1.62 9424	0.00 507	0.04 2651
GO_ANIMAL_ORGAN_REGENERATION	68	0.44 4222	1.62 9071	0.00 3695	0.04 2711
GO_REGULATION_OF_RELEASE_OF_CYTOCHROME_C_FROM_MITOCHONDRIA	43	0.47 6564	1.62 8617	0.01 0796	0.04 2772
GO_ERYTHROCYTE_HOMEOSTASIS	107	0.41 565	1.62 832	0	0.04 2827
GO_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS	81	0.43 2282	1.62 7823	0.00 3584	0.04 2951
GO_ACTIVATION_OF_INNATE_IMMUNE_RESPONSE	124	0.40 5604	1.62 6613	0	0.04 3412
GO_PROTEIN_LOCALIZATION_TO_CELL_SURFACE	59	0.45 572	1.62 6095	0.00 4914	0.04 359
GO_MORPHOGENESIS_OF_A_POLARIZED_EPITHELIUM	137	0.39 9705	1.62 5817	0.00 1133	0.04 3636
GO_PLASMA_MEMBRANE_TUBULATION	15	0.59 3889	1.62 4836	0.01 4577	0.04 3942
GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION	300	0.37 4858	1.62 4472	0	0.04 4036
GO_PROTEIN_POLYMERIZATION	241	0.38 0823	1.62 4327	0	0.04 402
GO_REGULATION_OF_COAGULATION	81	0.42 3824	1.62 4065	0.00 8343	0.04 4064
GO_SOMATIC_RECOMBINATION_OF_IMMUNOGLOBULIN_GENE_SEGMENTS	48	0.46 3626	1.62 3675	0.00 5109	0.04 4145
GO_VACUOLAR_ACIDIFICATION	21	0.56 2928	1.62 2605	0.01 2784	0.04 4558
GO_MYOBlast_DIFFERENTIATION	78	0.42 4861	1.62 2429	0.00 2463	0.04 4539
GO_POSITIVE_REGULATION_OF_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION	68	0.43 5288	1.62 1286	0.00 1235	0.04 4975
GO_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL	25	0.53 1687	1.62 0553	0.01 3717	0.04 5171
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_DEGRANULATION	23	0.54 0322	1.62 0329	0.01 2968	0.04 5192
GO_RESPONSE_TO_PROSTAGLANDIN_E	24	0.53 8884	1.62 0136	0.01 983	0.04 52
GO_CELL_SUBSTRATE_JUNCTION_ORGANIZATION	91	0.41 6934	1.61 9856	0.00 1167	0.04 5228
GO_POSITIVE_REGULATION_OF_STRESS_ACTIVATED_PROTEIN_KINASE_SIGNALING_CASCADE	148	0.40 0387	1.61 9692	0	0.04 5206

GO_POSITIVE_REGULATION_OF_ISOTYPE_SWITCHING	21	0.55	1.61	0.01	0.04
		2388	9584	7751	5169
GO_REGULATION_OF_MYOBLAST_FUSION	20	0.56	1.61	0.01	0.04
		3717	9424	3889	5143
GO_REGULATION_OF_LONG_TERM_SYNAPTIC_POTENTIATION	45	0.47	1.61	0.01	0.04
		5448	8787	3175	5347
GO_ACTIN_FILAMENT_BUNDLE_ORGANIZATION	134	0.39	1.61	0.00	0.04
		967	7729	225	5784
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_12_PRODUCTION	32	0.50	1.61	0.01	0.04
		42	7536	0667	5789
GO_REGULATION_OF_REGULATED_SECRETORY_PATHWAY	150	0.39	1.61	0.00	0.04
		1678	7229	1114	5837
GO_PIGMENT_GRANULE_LOCALIZATION	23	0.54	1.61	0.01	0.04
		321	7222	2857	5748
GO_NEGATIVE_REGULATION_OF_PHAGOCYTOSIS	16	0.59	1.61	0.01	0.04
		469	6775	9316	5843
GO_ASTROCYTE_DIFFERENTIATION	78	0.42	1.61	0.00	0.04
		6806	6457	2427	5876
GO_NEGATIVE_REGULATION_OF_CELL_KILLING	23	0.54	1.61	0.01	0.04
		5276	618	3986	5923
GO_REGULATION_OF_SUPRAMOLECULAR_FIBER_ORGANIZATION	301	0.37	1.61	0	0.04
		1647	6146		5844
GO_JNK_CASCADE	191	0.38	1.61	0	0.04
		2453	5184		6188
GO_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY	213	0.37	1.61	0	0.04
		6945	4537		6421
GO_BLOOD_VESSEL_REMODELING	40	0.47	1.61	0.00	0.04
		945	4257	8163	6466
GO_REGULATION_OF_RECEPTOR_LOCALIZATION_TO_SYNAPSE	16	0.58	1.61	0.01	0.04
		9178	4233	3554	6392
GO_ESTABLISHMENT_OF_TISSUE_POLARITY	118	0.40	1.61	0	0.04
		4751	3949		6444
GO_REGULATION_OF GRANULOCYTE DIFFERENTIATION	15	0.59	1.61	0.02	0.04
		6164	3565	3438	6538
GO_T_HELPER_17_TYPE_IMMUNE_RESPONSE	29	0.51	1.61	0.00	0.04
		307	2103	6983	7119
GO_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT	124	0.40	1.61	0.00	0.04
		3096	0973	2301	7569
GO_POSITIVE_REGULATION_OF_OXIDOREDUCTASE_ACTIVITY	51	0.45	1.60	0.01	0.04
		6444	9698	2723	8116
GO_OSTEOCLAST_DEVELOPMENT	16	0.59	1.60	0.01	0.04
		0299	9647	7241	8039
GO_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY	106	0.41	1.60	0.00	0.04
		0238	711	4577	9188

GO_POSITIVE_REGULATION_OF_CELL_MATRIX_ADHESION	53	0.44 5713	1.60 6196	0.00 6361	0.04 9574
GO_NEGATIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING	37	0.48 6623	1.60 5935	0.01 0695	0.04 9602
GO_POSITIVE_REGULATION_OF_HUMORAL_IMMUNE_RESPONSE	16	0.58 4994	1.60 5005	0.02 4768	0.04 9962
GO_PATTERN_RECOGNITION_RECEPTOR_SIGNALING_PATHWAY	163	0.38 5797	1.60 4903	0.00 1101	0.04 9915
GO_POSITIVE_REGULATION_OF_ACTIVATED_T_CELL_PROLIFERATION	23	0.53 9412	1.60 4615	0.01 4306	0.04 9963
GO_NEGATIVE_REGULATION_OF_ACTIN_FILAMENT_POLYMERIZATION	50	0.45 4303	1.60 4327	0.00 7742	0.04 9987
GO_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE	88	- 0.59 986	- 2.84 76	0	0
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_ENDOPLASMIC_RETICULUM	101	- 0.53 119	- 2.57 588	0	0
GO_PROTEIN_LOCALIZATION_TO_ENDOPLASMIC_RETICULUM	124	- 0.48 205	- 2.46 061	0	0
GO_REPLACEMENT_OSSIFICATION	26	- 0.66 779	- 2.40 219	0	2.41 E-04
GO_TRANSLATIONAL_INITIATION	152	- 0.44 169	- 2.30 945	0	0.00 1961
GO_DETOXIFICATION_OF_INORGANIC_COMPOUND	15	- 0.71 434	- 2.18 396	0	0.00 8813
GO_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_NONSENSE_MEDIATED_DECAY	104	- 0.44 013	- 2.13 123	0	0.01 6007
GO_REGULATION_OF_CHOLESTEROL_METABOLIC_PROCESS	55	- 0.46 674	- 2.08 141	0	0.02 4006
GO_SENSORY_PERCEPTION_OF_SMELL	130	- 0.40 591	- 2.07 276	0	0.02 2832
GO_ENDOCHONDRAL_BONE_MORPHOGENESIS	49	- 0.48 995	- 2.05 885	0	0.02 4115
GO_CYTOPLASMIC_TRANSLATION	68	- 0.45	- 2.05	0	0.02 2616

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