

colon_day14_bic vs colon_day14_wt, down:76

Gene to GO-BP conditional test for over-representation

GOBPID	Pvalue	OddsRatio	ExpCount	Count	Size	Term
GO:0050900	1.3e-06	32.9	0.197	5	28	leukocyte migration
GO:0006935	3.4e-05	11.2	0.620	6	88	chemotaxis
GO:0007155	5.8e-05	4.5	3.142	12	446	cell adhesion
GO:0009605	5.9e-05	5.3	2.193	10	319	response to external stimulus
GO:0050766	7.0e-05	49.0	0.085	3	12	positive regulation of phagocytosis
GO:0002696	8.3e-05	12.8	0.451	5	64	positive regulation of leukocyte activation
GO:0006954	1.2e-04	7.1	1.125	7	162	inflammatory response
GO:0050865	3.2e-04	9.4	0.599	5	85	regulation of cell activation
GO:0019884	4.1e-04	24.5	0.148	3	21	antigen processing and presentation of exogenous antigen
GO:0051240	6.6e-04	6.3	1.064	6	151	positive regulation of multicellular organismal process
GO:0048002	7.8e-04	19.2	0.183	3	26	antigen processing and presentation of peptide antigen
GO:0007626	8.1e-04	6.0	1.106	6	157	locomotory behavior
GO:0030100	8.7e-04	18.4	0.190	3	27	regulation of endocytosis
GO:0045321	1.8e-03	5.1	1.296	6	184	leukocyte activation
GO:0002764	1.9e-03	13.8	0.247	3	35	immune response-regulating signal transduction
GO:0000272	2.1e-03	36.2	0.070	2	10	polysaccharide catabolic process
GO:0002861	2.6e-03	32.2	0.077	2	11	regulation of inflammatory response to antigenic stimulus
GO:0006911	2.6e-03	32.2	0.077	2	11	phagocytosis, engulfment
GO:0050729	2.6e-03	32.2	0.077	2	11	positive regulation of inflammatory response
GO:0051249	2.6e-03	7.6	0.578	4	82	regulation of lymphocyte activation
GO:0006955	2.7e-03	4.7	1.406	6	212	immune response
GO:0051130	2.9e-03	11.6	0.289	3	41	positive regulation of cellular component organization and biogenesis
GO:0006950	3.4e-03	2.9	4.305	11	611	response to stress
GO:0006044	4.2e-03	24.1	0.099	2	14	N-acetylglucosamine metabolic process
GO:0019886	4.2e-03	24.1	0.099	2	14	antigen processing and presentation of exogenous peptide antigen via MHC class II
GO:0032635	4.2e-03	24.1	0.099	2	14	interleukin-6 production
GO:0050870	4.4e-03	10.0	0.331	3	47	positive regulation of T cell activation
GO:0002504	4.8e-03	22.3	0.106	2	15	antigen processing and presentation of peptide or polysaccharide antigen via MHC class II
GO:0048584	5.1e-03	6.2	0.697	4	99	positive regulation of response to stimulus
GO:0002821	5.5e-03	20.7	0.113	2	16	positive regulation of adaptive immune response
GO:0050852	6.2e-03	19.3	0.120	2	17	T cell receptor signaling pathway
GO:0006040	7.7e-03	17.0	0.134	2	19	amino sugar metabolic process
GO:0016054	7.7e-03	17.0	0.134	2	19	organic acid catabolic process
GO:0019724	7.8e-03	8.0	0.409	3	58	B cell mediated immunity
GO:0002705	8.6e-03	16.1	0.141	2	20	positive regulation of leukocyte mediated immunity
GO:0002822	8.6e-03	16.1	0.141	2	20	regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains
GO:0046634	8.6e-03	16.1	0.141	2	20	regulation of alpha-beta T cell activation
GO:0002253	9.4e-03	7.4	0.437	3	62	activation of immune response
GO:0006690	9.4e-03	15.2	0.148	2	21	icosanoid metabolic process
GO:0042398	9.4e-03	15.2	0.148	2	21	amino acid derivative biosynthetic process
GO:0045621	9.4e-03	15.2	0.148	2	21	positive regulation of lymphocyte differentiation
GO:0048872	1.0e-02	7.2	0.451	3	64	homeostasis of number of cells
GO:0006928	1.1e-02	3.4	1.888	6	268	cell motility
GO:0002706	1.2e-02	13.2	0.169	2	24	regulation of lymphocyte mediated immunity
GO:0032270	1.5e-02	6.3	0.514	3	73	positive regulation of cellular protein metabolic process

GO:0001558	1.6e-02	6.1	0.528	3	75	regulation of cell growth
GO:0002250	1.6e-02	6.1	0.528	3	75	adaptive immune response
GO:0051050	1.6e-02	11.3	0.195	2	28	positive regulation of transport
GO:0002429	1.7e-02	10.9	0.201	2	29	immune response-activating cell surface receptor signaling pathway
GO:0002443	1.9e-02	5.7	0.564	3	80	leukocyte mediated immunity
GO:0050776	2.2e-02	5.3	0.603	3	88	regulation of immune response
GO:0002520	2.2e-02	3.3	1.613	5	229	immune system development
GO:0030098	2.3e-02	5.3	0.606	3	86	lymphocyte differentiation
GO:0051094	2.6e-02	3.2	1.684	5	239	positive regulation of developmental process
GO:0002440	2.6e-02	8.5	0.254	2	36	production of molecular mediator of immune response
GO:0051258	2.9e-02	8.0	0.268	2	38	protein polymerization
GO:0044264	3.1e-02	7.8	0.275	2	39	cellular polysaccharide metabolic process
GO:0032101	3.2e-02	7.6	0.282	2	40	regulation of response to external stimulus
GO:0008361	3.3e-02	4.6	0.697	3	99	regulation of cell size
GO:0042742	3.4e-02	7.4	0.289	2	41	defense response to bacterium
GO:0031347	3.7e-02	7.0	0.303	2	43	regulation of defense response
GO:0032787	3.9e-02	3.3	1.282	4	182	monocarboxylic acid metabolic process
GO:0042035	4.0e-02	6.7	0.317	2	45	regulation of cytokine biosynthetic process
GO:0051707	4.0e-02	4.2	0.761	3	108	response to other organism
GO:0031328	4.3e-02	6.4	0.331	2	47	positive regulation of cellular biosynthetic process
GO:0042110	4.3e-02	4.0	0.782	3	111	T cell activation
GO:0009309	4.7e-02	6.1	0.345	2	49	amine biosynthetic process
GO:0030097	4.7e-02	3.1	1.360	4	193	hemopoiesis
GO:0018108	4.8e-02	6.0	0.352	2	50	peptidyl-tyrosine phosphorylation