

source	term name	term ID	n. of term genes	corrected p-value	1	2	3	4	5
BP	tumor necrosis factor superfamily cytokine production	GO:0071706	106	4.00e-02				5	
BP	tumor necrosis factor production	GO:0032640	101	3.16e-02			5		
BP	regulation of tumor necrosis factor superfamily cytokine production	GO:1903555	103	3.48e-02			5		
BP	regulation of tumor necrosis factor production	GO:0032680	100	3.01e-02			5		
BP	response to gamma radiation	GO:0010332	50	2.34e-02		4			
BP	positive regulation of cytosolic calcium ion concentration	GO:0007204	265	3.52e-02		8			
BP	programmed cell death	GO:0012501	1812	2.06e-02		21			
BP	apoptotic process	GO:0006915	1791	1.72e-02		21			
BP	negative regulation of multicellular organism growth	GO:0040015	12	4.06e-02		3			
BP	mammary gland development	GO:0030879	136	5.67e-04	8				
BP	phagocytosis, recognition	GO:0006910	22	5.11e-03		4			
BP	animal organ morphogenesis	GO:0009887	990	3.02e-02	16				
BP	sequestering of metal ion	GO:0051238	127	3.79e-02		6			
BP	mammary gland epithelial cell proliferation	GO:0033598	28	1.95e-02	4				
BP	phagocytosis, engulfment	GO:0006911	38	4.91e-02		4			
BP	single-organism metabolic process	GO:0044710	4155	4.38e-03		23			
BP	homeostatic process	GO:0042592	1629	1.54e-02		20			
BP	ion homeostasis	GO:0050801	716	1.64e-02		13			
BP	inorganic ion homeostasis	GO:0098771	654	6.11e-03		13			
BP	cation homeostasis	GO:0055080	639	4.73e-03		13			
BP	divalent inorganic cation homeostasis	GO:0072507	431	4.61e-04		12			
BP	metal ion homeostasis	GO:0055065	557	1.01e-03		13			
BP	calcium ion homeostasis	GO:0055074	399	1.39e-02		10			
BP	cellular chemical homeostasis	GO:0055082	721	1.77e-02		13			
BP	cellular ion homeostasis	GO:0006873	583	1.70e-03		13			
BP	cellular cation homeostasis	GO:0030003	568	1.26e-03		13			
BP	cellular divalent inorganic cation homeostasis	GO:0072503	412	2.83e-04		12			
BP	cellular metal ion homeostasis	GO:0006875	489	2.27e-04		13			
BP	cellular calcium ion homeostasis	GO:0006874	387	1.06e-02		10			
BP	tissue development	GO:0009888	1769	5.24e-03		17			
BP	epithelium development	GO:0060429	1072	9.39e-03	13				
BP	tissue morphogenesis	GO:0048729	629	1.43e-02	10				
BP	morphogenesis of an epithelium	GO:0002009	528	2.55e-02	9				
BP	immune system process	GO:0002376	2387	1.35e-24		51	21		
BP	immune effector process	GO:0002252	713	1.35e-10	10	22			
BP	leukocyte mediated immunity	GO:0002443	332	2.80e-04		11			
BP	lymphocyte mediated immunity	GO:0002449	262	3.04e-04		10			
BP	signaling	GO:0023052	6132	6.03e-07		52			
BP	single organism signaling	GO:0044700	6120	5.56e-07		52			
BP	biological regulation	GO:0065007	11372	6.40e-03		65			
BP	regulation of biological process	GO:0050789	10756	6.19e-03		63			
BP	positive regulation of biological process	GO:0048518	5194	3.52e-04		43			
BP	positive regulation of signaling	GO:0023056	1539	2.60e-02		19			
BP	regulation of immune system process	GO:0002682	1336	5.08e-13	14	31			
BP	positive regulation of immune system process	GO:0002684	934	4.22e-11		25			
BP	regulation of cellular process	GO:0050794	10218	5.46e-04		63			
BP	regulation of cell adhesion	GO:0030155	621	2.10e-02		12			
BP	response to stimulus	GO:0050896	8162	1.72e-13		68			
BP	response to chemical	GO:0042221	4059	1.43e-04		38			
BP	response to organic substance	GO:0010033	2799	1.49e-06	34	23			
BP	response to cytokine	GO:0034097	793	8.20e-14		26			
BP	response to interleukin-1	GO:0070555	114	2.04e-02		6			
BP	response to tumor necrosis factor	GO:0034612	276	4.25e-05		11			
BP	response to lipid	GO:0033993	870	2.20e-02		12			
BP	response to biotic stimulus	GO:0009607	836	2.95e-13		26			
BP	response to external stimulus	GO:0009605	2021	6.24e-09	17	32	18		
BP	response to external biotic stimulus	GO:0043207	794	1.01e-12		25			
BP	response to other organism	GO:0051707	793	9.78e-13		25			
BP	response to virus	GO:0009615	305	7.96e-07		13			
BP	response to bacterium	GO:0009617	516	5.90e-06		15			
BP	regulation of response to stimulus	GO:0048583	3592	1.77e-05		37			
BP	regulation of response to external stimulus	GO:0032101	703	2.29e-03	14	11			
BP	response to stress	GO:0006950	3579	7.15e-09	23	42	28		
BP	defense response	GO:0006952	1448	4.16e-19	14	38	22		
BP	regulation of defense response	GO:0031347	658	6.53e-03		13			
BP	inflammatory response	GO:0006954	656	1.62e-06		12	15		
BP	defense response to other organism	GO:0098542	465	1.89e-14		22			
BP	defense response to bacterium	GO:0042742	239	9.52e-06		11			
BP	defense response to virus	GO:0051607	227	7.90e-05		10			
BP	response to wounding	GO:0009611	644	4.95e-02		10			
BP	immune response	GO:0006955	1530	9.36e-29	15	47			
BP	humoral immune response	GO:0006959	223	9.92e-03		8			
BP	adaptive immune response	GO:0002250	390	2.82e-12		19			
BP	adaptive immune response based on somatic recombination of immune ...	GO:0002460	262	2.48e-05		11			
BP	innate immune response	GO:0045087	791	7.71e-14		26	12		
BP	response to interferon-gamma	GO:0034341	155	2.00e-06		10			
BP	response to type I interferon	GO:0034340	82	2.96e-03		6			
BP	regulation of immune response	GO:0050776	879	1.06e-10		24			
BP	cellular response to stimulus	GO:0051716	6818	5.64e-07		55			
BP	cellular response to chemical stimulus	GO:0070887	2643	7.12e-06	29	32			
BP	cellular response to organic substance	GO:0071310	2187	3.45e-05		28			
BP	cellular response to cytokine stimulus	GO:0071345	697	6.16e-13		24			
BP	cellular response to tumor necrosis factor	GO:0071356	258	2.64e-04		10			
BP	cellular response to type I interferon	GO:0071357	78	2.20e-03		6			
BP	cellular response to interferon-gamma	GO:0071346	133	9.88e-06		9			
BP	positive regulation of response to stimulus	GO:0048584	1994	4.33e-09		32			
BP	positive regulation of response to external stimulus	GO:0032103	264	2.68e-05		11			
BP	positive regulation of chemotaxis	GO:0050921	118	2.48e-02		6			
BP	positive regulation of defense response	GO:0031349	399	1.76e-03		11			
BP	positive regulation of immune response	GO:0050778	664	3.71e-08		19			
BP	activation of immune response	GO:0002253	536	9.88e-06		15			
BP	multicellular organismal process	GO:0032501	6896	1.84e-02	37				
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