

source	term name	term ID	n. of term genes	corrected p-value	ARAB	BELGIAN	FM	FT	ICELANDIC	LUSTITANO	MAREMMANO	MORGAN	QH	SB	TB	WP	
BP	natural killer cell activation involved in immune response	GO:0002323	33	1.41e-02			2	6								3	
BP	organic acid transport	GO:0015849	230	1.73e-02												15	
BP	organic acid transmembrane transport	GO:1903825	102	6.39e-03												6	
BP	amino acid transport	GO:0006865	107	2.10e-03				10								7	
BP	carboxylic acid transmembrane transport	GO:1905039	93	4.78e-03					10							7	
BP	amino acid transmembrane transport	GO:0003333	73	2.47e-03					9							7	
BP	serine phosphorylation of STAT protein	GO:0042501	33	1.41e-02												3	
BP	regulation of peptidyl-serine phosphorylation of STAT protein	GO:0033139	29	8.21e-03												3	
BP	positive regulation of peptidyl-serine phosphorylation of STAT protein	GO:0033141	27	5.25e-03												3	
BP	organic anion transport	GO:0015711	335	2.39e-02												19	
BP	immune system process	GO:0002376	1640	5.08e-07	74	17	39	75	25	14	56	76				53	
BP	production of molecular mediator of immune response	GO:0002440	215	7.80e-15	26	18	9	8	11	30	20	26	9	12			22
BP	immunoglobulin production	GO:0002377	160	3.19e-17	24	20	9	8	10	25	19	23	9	22	9		22
BP	antigen processing and presentation	GO:0019882	95	1.31e-15	21	12	16	17	14	17	15	19	10	20	15		12
BP	antigen processing and presentation of peptide or polysaccharide ant ...	GO:0002504	23	4.72e-06	9	7			5			6				6	
BP	antigen processing and presentation of peptide antigen	GO:0048002	50	1.12e-12	13		12	10	10	12	10	12	7	15	11		9
BP	antigen processing and presentation of peptide antigen via MHC class I	GO:0002474	37	2.48e-13	10		10	8	9	8	8	10		14	10		
BP	signaling	GO:0023052	5192	8.14e-05					19	19							11
BP	multicellular organismal process	GO:0032501	5468	1.74e-04					14		20						
BP	system process	GO:0003008	1954	1.87e-15													
BP	nervous system process	GO:0050877	1525	7.25e-20	95				120	99	12	77	111			54	101
BP	sensory perception	GO:0007600	1291	1.19e-20	83	68			10	79	10	65	105			52	87
BP	sensory perception of chemical stimulus	GO:0007606	1044	3.44e-22	76	61			95	71	10	60	96			49	72
BP	sensory perception of smell	GO:0007608	971	1.46e-24	70	53			86	64	94	54	89			68	64
BP	response to stimulus	GO:0050896	6747	1.90e-11	70	53			85	64	94	54	88			68	49
BP	response to chemical	GO:0042221	3348	1.51e-07	240	20			22	26	47	24	19	22	17	98	12
BP	detection of stimulus	GO:0051606	1089	4.69e-22					13	12	14					51	82
BP	detection of chemical stimulus	GO:0009593	1004	1.85e-23	71	54			87	65	96	56	90			53	70
BP	detection of stimulus involved in sensory perception	GO:0050906	1019	1.30e-23	70	53			85	64	94	55	89			68	64
BP	detection of chemical stimulus involved in sensory perception	GO:0050907	985	4.35e-24	71	54	24		86	64	95	55	90			70	66
BP	detection of chemical stimulus involved in sensory perception o ...	GO:0050911	952	3.21e-25	70	53	23		85	63	94	54	89			68	64
BP	immune response	GO:0006955	977	1.68e-10	70	53	23		85	63	94	54	88			68	49
BP	humoral immune response	GO:0006959	124	3.39e-02	66	60	37	62	46	64	47	57	16	45		8	
BP	cellular response to stimulus	GO:0051716	5795	4.68e-04				11									
BP	cell communication	GO:0007154	5238	9.76e-05					20		20						11
BP	signal transduction	GO:0007165	4877	7.55e-06					19		19						10
BP	G-protein coupled receptor signaling pathway	GO:0007186	1585	5.98e-18					18		18					38	10
BP	serotonin receptor signaling pathway	GO:0007210	25	4.23e-07	89	74			10	86	11	67	98			75	81
BP	G-protein coupled serotonin receptor signaling pathway	GO:0098664	25	4.23e-07	4					3	3	4	4			6	4
BP	response to exogenous dsRNA	GO:0043330	49	1.68e-02	4					3	3	4	4			6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	4					3	3	4	4			6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06				7					4			3	
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06									4			3	
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06									4			3	
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4
BP	granzyme-mediated apoptotic signaling pathway	GO:0008626	15	3.04e-06	6	4	3	4					5	6	6	6	4

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CC	membrane	GO:0016020	7773	8.61e-06												67
CC	membrane part	GO:0044425	6023	9.49e-11	20	20			24		23		104		63	16
CC	membrane protein complex	GO:0098796	566	3.70e-02												21
CC	plasma membrane protein complex	GO:0098797	202	3.46e-07	21		16	16	14	10		17				18
CC	MHC protein complex	GO:0042611	36	2.22e-22	18	11	13	10	15	14	12	14	10	19	14	10
CC	MHC class I protein complex	GO:0042612	20	2.71e-16	8		8		9	8	9	7	5	13	10	6
CC	MHC class II protein complex	GO:0042613	16	1.34e-09	10		7		5	5	5	7				6
CC	intrinsic component of membrane	GO:0031224	5275	8.11e-13	19	18	15	15	22	16	22	17	14	18	60	15
CC	integral component of membrane	GO:0016021	5228	1.24e-12	19	18	15	17	22	16	22	17	14	17	18	60
CC	cell periphery	GO:0071944	3991	1.67e-08	15	13			17	15	17			73	27	12
CC	plasma membrane	GO:0005886	3890	1.69e-09	15	13			16	15	17			73	27	12
CC	extracellular space	GO:0005615	2846	4.85e-02												9
CC	extracellular space	GO:0005615	2846	4.85e-02												9
CC	extracellular space	GO:0005615	2846	4.85e-02												9
CC	extracellular space	GO:0005615	2846	4.85e-02												9
CC	extracellular space	GO:0005615	2846	4.85e-02												9

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MF	sulfuric ester hydrolase activity	GO:0008484	18	4.25e-03												6	
MF	organic acid transmembrane transporter activity	GO:0005342	140	7.89e-03												9	
MF	organic anion transmembrane transporter activity	GO:0008514	189	1.04e-02												11	
MF	carboxylic acid transmembrane transporter activity	GO:0046943	129	7.37e-03												7	
MF	amino acid transmembrane transporter activity	GO:0015171	81	3.09e-04												7	
MF	signal transducer activity	GO:0004871	1950	2.58e-13	93					102	89	11	72	93		36	86
MF	molecular transducer activity	GO:0060089	1938	9.72e-16	98	79				11	95	11	75	98		80	64
MF	receptor activity	GO:0004872	1904	2.34e-15	96	78				10	93	11	73	107		79	63
MF	transmembrane receptor activity	GO:0099600	1684	8.29e-17	92	73				102	87	11	70	101		50	62
MF	signaling receptor activity	GO:0038023	1733	7.68e-16	92	73				101	89	11	69	91		36	62
MF	neurotransmitter receptor activity	GO:0030594	85	8.95e-04													6
MF	transmembrane signaling receptor activity	GO:0004888	1652	1.83e-17	92	72				10	87	11	68	100		50	62
MF	serotonin receptor activity	GO:0099589	31	1.73e-06	4					3	3					6	
MF	G-protein coupled receptor activity	GO:0004930	1321	5.52e-21	86	63		</									