

GOBPID	Pvalue	OddsRatio	ExpCount	Count	Size	Term		
GO:0005509	3.24605284709689e-27		3.0802039415629	315.420736288505	427	525		
						calcium ion binding		
GO:0022803	3.36248278003361e-17		4.37355024278601	124.365890308039	179	207		
						passive transmembrane transporter activity		
GO:0022836	7.31192216344499e-17		5.21748116254037	103.938642624593	153	173		
						gated channel activity		
GO:0022838	3.19774574720901e-16		4.22146718146718	120.761081893313	173	201		
						substrate specific channel activity		
GO:0043565	3.87923118500125e-16		2.87665599131972	195.8612572001	263	326		
						sequence-specific DNA binding		
GO:0003700	1.23279817168165e-14		2.02140488748864	365.287252692211	452	608		
						transcription factor activity		
GO:0003779	1.06082533320199e-11		3.23424941072	114.152266466316	157	190		
						actin binding		
GO:0030234	5.5619418669838e-11		1.93339575354810	292.590282995242	359	487		
						enzyme regulator activity		
GO:0008528	7.58193975701377e-11		8.19350970017637	47.4633107938893	73	79		
						peptide receptor activity, G-protein coupled		
GO:0004672	5.45344259136217e-10		4.10302974636207	70.2756918279849	101	118		
						protein kinase activity		
GO:0030955	7.76298632946176e-10		8.6063371356147	41.4552967693464	64	69		
						potassium ion binding		
GO:0030594	8.3790839920481e-10		10.0802026171380	38.4512897570749	60	64		
						neurotransmitter receptor activity		
GO:0005244	8.77058461064348e-10		4.6688124959153	61.8825444527924	90	103		
						voltage-gated ion channel activity		
GO:0022892	1.47917151912404e-09		1.73090539633225	352.069621838217	419	586		
						substrate-specific transporter activity		
GO:0005083	1.47958921714073e-09		3.35288879390183	85.9146005509642	119	143		
						small GTPase regulator activity		
GO:0043167	2.60107787189115e-09		1.36152458458746	1258.67893814175	1371	2095		
						ion binding		
GO:0004871	3.00361868664367e-09		2.32234333256338	140.827973819010	184	243		
						signal transducer activity		
GO:0005516	8.18073746072423e-09		4.1868271825818	60.6809416478838	87	101		
						calmodulin binding		
GO:0016791	1.65050198508049e-08		2.81370605020071	96.1282243926872	129	160		
						phosphoric monoester hydrolase activity		
GO:0005261	2.14634624625190e-08		4.06191289496157	58.7531749025525	84	98		
						cation channel activity		
GO:0004725	3.88665396779243e-08		5.45901119797169	43.8585023791635	65	73		
						protein tyrosine phosphatase activity		
GO:0004888	3.93422094534357e-08		1.98909007563603	181.402144425785	226	306		
						transmembrane receptor activity		
GO:0005096	4.53768499620976e-08		3.24287032249562	73.297771099424	101	122		
						GTPase activator activity		
GO:0015276	1.28765676317365e-07		5.20375844594595	42.0560981718006	62	70		
						ligand-gated ion channel activity		
GO:0004674	2.80195077144192e-07		1.93770215241419	173.631605309291	214	289		
						protein serine/threonine kinase activity		
GO:0015075	6.12104246384114e-07		1.81658249158249	196.243575136093	238	328		
						ion transmembrane transporter activity		
GO:0005089	7.92703225048938e-07		12.3799621928166	23.4312546957175	37	39		
						Rho guanyl-nucleotide exchange factor activity		
GO:0005085	1.94952033276504e-06		3.56352782341363	49.2657150012522	69	82		
						guanyl-nucleotide exchange factor activity		
GO:0008509	4.13697880814303e-06		3.22268303004655	52.2697220135237	72	87		
						anion transmembrane transporter activity		

GO:0016772	4.85958865140224e-06	1.49053867886517	361.081642875031	412	601
transferase activity, transferring phosphorus-containing groups					
GO:0001584	6.52353838216045e-06	2.63674644558653	66.9280384469457	89	112
rhodopsin-like receptor activity					
GO:0005057	6.52642435745579e-06	2.50940061852634	73.8985725018783	97	123
receptor signaling protein activity					
GO:0005231	7.85984078217498e-06	10.6957616449853	20.4272476834460	32	34
excitatory extracellular ligand-gated ion channel activity					
GO:0004714	8.96736531788913e-06	4.2705919528123	35.4472827448034	51	59
transmembrane receptor protein tyrosine kinase activity					
GO:0004930	9.3373553447448e-06	4.61177349562619	32.11597177678	47	54
G-protein coupled receptor activity					
GO:0005200	1.23296070146966e-05	3.40820491168813	43.8585023791635	61	73
structural constituent of cytoskeleton					
GO:0005249	1.36674427933942e-05	4.49550470577623	32.4432757325319	47	54
voltage-gated potassium channel activity					
GO:0005201	1.57023460597352e-05	3.68522032468902	39.0520911595292	55	65
extracellular matrix structural constituent					
GO:0003707	2.05347376846379e-05	4.79586400280407	29.4392687202605	43	49
steroid hormone receptor activity					
GO:0060090	2.05347376846379e-05	4.79586400280407	29.4392687202605	43	49
molecular adaptor activity					
GO:0004872	2.59937909386231e-05	1.64734299516908	185.382131324004	220	316
receptor activity					
GO:0042277	2.96629127445873e-05	2.30418666828705	74.4993739043326	96	124
peptide binding					
GO:0004715	3.85464865290736e-05	7.12826968806826	21.0280490859003	32	35
non-membrane spanning protein tyrosine kinase activity					
GO:0019887	4.22686607425392e-05	4.20590179698299	30.6408715251690	44	51
protein kinase regulator activity					
GO:0015662	4.32347543327539e-05	5.84925467142557	23.4312546957175	35	39
ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism					
GO:0019992	4.49634028912984e-05	5.08210084033613	25.8344603055347	38	43
diacylglycerol binding					
GO:0003924	7.3552995984775e-05	2.14556975059896	78.1041823190584	99	130
GTPase activity					
GO:0015291	9.0179781699815e-05	2.32071403322729	64.2857500626096	83	107
secondary active transmembrane transporter activity					
GO:0005262	9.02264754053005e-05	6.67994966442953	19.8264462809917	30	33
calcium channel activity					
GO:0005515	9.07558205567014e-05	1.1900072003774	2620.47507926443	2702	4386
protein binding					
GO:0031404	9.49570979107712e-05	4.34608110947678	27.0360631104433	39	45
chloride ion binding					