#	*name*	*n*	*avg_len*	*avg_dis*	*z*	*p*
1	DNA binding	8254	574.89	0.86	46.13	1
2	sequence-specific DNA binding	3836	536.95	0.92	41.77	1
3	chromatin binding	1538	713.64	0.93	23.54	1
4	RNA binding	5797	565.80	0.73	19.79	1
5	receptor binding	4109	529.68	0.68	14.04	1
6	protein serine/threonine ki...	1942	784.87	0.84	12.88	1
7	structural molecule activity	2884	558.88	0.64	10.84	1
8	RNA polymerase II distal en...	168	503.93	0.94	9.84	1
9	SH3 domain binding	296	866.61	0.95	9.63	1
10	structural constituent of r...	1350	182.95	0.53	9.25	1
11	calmodulin binding	710	1079.79	0.88	9.22	1
12	growth factor activity	458	312.38	0.70	8.99	1
13	protein kinase inhibitor ac...	237	401.60	0.82	8.94	1
14	hormone activity	452	218.09	0.61	8.84	1
15	cell adhesion molecule binding	1090	805.74	0.80	8.60	1
16	GTPase activator activity	633	820.60	0.87	8.15	1
17	actin binding	1228	1000.47	0.80	7.73	1
18	cyclin-dependent protein se...	142	357.65	0.77	6.58	1
19	protein tyrosine kinase act...	504	933.02	0.86	6.26	1
20	guanyl-nucleotide exchange ...	575	990.55	0.86	6.22	1
21	protein phosphatase inhibit...	89	425.83	0.83	6.19	1
22	heparin binding	403	652.76	0.76	6.01	1
23	neuropeptide hormone activity	117	158.64	0.65	5.88	1
24	microtubule motor activity	225	1394.78	0.97	5.65	1
25	enzyme inhibitor activity	1059	462.66	0.63	5.60	1
26	potassium channel activity	339	612.39	0.79	4.88	1
27	translation regulator activity	162	567.32	0.80	4.73	1
28	translation initiation fact...	117	537.89	0.79	4.49	1
29	lipid binding	1977	615.96	0.68	4.34	1
30	damaged DNA binding	284	680.80	0.80	4.31	1
31	growth factor binding	351	737.85	0.79	4.20	1
32	cAMP binding	109	688.05	0.88	4.18	1
33	chloride channel inhibitor ...	25	827.64	0.96	3.96	1
34	calcium channel activity	327	1205.13	0.86	3.54	1
35	morphogen activity	23	331.57	0.83	3.20	1
36	helicase activity	766	1068.02	0.86	3.15	1
37	structural constituent of c...	22	423.64	0.86	3.11	1
38	cGMP binding	60	738.10	0.92	3.10	1
39	motor activity	447	1275.57	0.86	3.10	1
40	voltage-gated ion channel a...	501	767.73	0.76	3.06	1

#	*Keywords*	*Number of proteins*	*Number of families*	*Average sequence length*	*Z-score*	*P-value*
1	Ribonucleoprotein	12236	412	150.55	22.13	1
2	Ribosomal protein	11692	330	140.58	20.63	1
3	Developmental protein	3260	721	477.93	19.28	1
4	Hormone	1187	161	141.13	15.58	1
5	Growth factor	785	84	255.70	11.16	1
6	Cytokine	899	110	213.28	10.21	1
7	Neuropeptide	268	209	95.08	9.65	1
8	Activator	3086	573	428.47	9.04	1
9	GAP protein	47	2	232.96	7.42	1
10	Antigen	1113	455	437.48	6.99	1
11	Repressor	2309	449	374.46	6.92	1
12	Chromatin regulator	334	100	801.24	6.70	1
13	Pyrogen	37	2	262.59	6.44	1
14	Vasoactive	125	39	160.39	5.56	1
15	Amphibian defense peptide	123	148	50.64	5.44	1
16	GTPase activation	311	70	831.03	5.36	1
17	Endorphin	42	4	226.68	5.35	1
18	Opioid peptide	24	4	216.96	5.14	1
19	Protein phosphatase inhibitor	47	8	366.51	5.07	1
20	Cyclin	182	25	430.58	4.88	1