

#	<i>name</i>	<i>n</i>	<i>avg_len</i>	<i>avg_dis</i>	<i>z</i>	<i>p</i>
1	DNA-binding	6518	546.53	0.87	46.90	1
2	Developmental protein	3897	655.21	0.86	31.10	1
3	Activator	2574	600.51	0.88	28.12	1
4	Repressor	1988	589.29	0.85	22.63	1
5	RNA-binding	2728	575.76	0.76	16.62	1
6	Chromatin regulator	1038	847.06	0.90	13.91	1
7	Ribonucleoprotein	1886	272.29	0.60	13.39	1
8	Serine/threonine-protein ki...	1782	802.24	0.84	11.56	1
9	Chaperone	937	430.43	0.71	10.02	1
10	Ribosomal protein	1408	186.38	0.53	9.34	1
11	Growth factor	398	299.63	0.70	8.98	1
12	Protein kinase inhibitor	49	337.20	0.96	8.34	1
13	Calmodulin-binding	520	1229.00	0.90	7.57	1
14	Hormone	338	221.13	0.59	7.24	1
15	Cyclin	133	422.71	0.87	7.18	1
16	Signal transduction inhibitor	115	408.43	0.84	6.76	1
17	Guanine-nucleotide releasin...	319	1144.39	0.96	6.40	1
18	GTPase activation	424	867.35	0.88	6.28	1
19	Growth factor binding	50	593.98	1	6.09	1
20	Neuropeptide	105	234.96	0.68	5.99	1
21	Potassium channel	191	621.52	0.85	5.10	1
22	Calcium channel	193	1397.77	0.93	5.09	1
23	Protein phosphatase inhibitor	64	352.86	0.81	5.07	1
24	Tyrosine-protein kinase	376	863.00	0.89	5.04	1
25	Mitogen	137	286.03	0.68	4.80	1
26	Vasoactive	46	267.00	0.76	4.29	1
27	Heparin-binding	221	650.97	0.73	3.88	1
28	Muscle protein	193	920.01	0.73	3.81	1
29	Actin-binding	837	974.92	0.77	3.80	1
30	Amphibian defense peptide	49	85.80	0.53	3.34	1
31	Helicase	739	1086.05	0.87	3.29	1
32	Prion	22	497.05	0.91	3.06	1
33	Ion channel	1027	861.88	0.76	2.89	1
34	Voltage-gated channel	386	816.98	0.78	2.87	1
35	Viral nucleoprotein	39	1202.79	0.90	2.46	1
36	Tumor antigen	26	428.81	0.77	2.25	0.99
37	Exonuclease	239	725.99	0.75	2.19	0.99
38	Segmentation polarity protein	24	712.75	0.92	2.17	0.99
39	Motor protein	467	1227.67	0.83	1.92	0.97
40	Initiation factor	248	489.76	0.65	1.78	0.97
41	rRNA-binding	319	220.01	0.47	1.78	0.96
42	Topoisomerase	60	910.32	0.92	1.67	0.97
43	Protein synthesis inhibitor	36	419.33	0.69	1.64	0.97
44	RNA-directed DNA polymerase	62	1565.08	0.98	1.48	0.99
45	Aminoacyl-tRNA synthetase	243	673.71	0.67	-1.79	0.04
46	Antioxidant	111	203.40	0.34	-1.79	0.04
47	tRNA-binding	119	575.46	0.56	-2.01	0.03
48	Thiol protease inhibitor	63	411.06	0.35	-2.04	0.03
49	Hemostasis impairing toxin	55	297.55	0.35	-2.10	0.02
50	Aspartyl protease	120	942.30	0.64	-2.39	0.01
51	Voltage-gated sodium channe...	22	79.55	0.05	-2.42	0.01
52	Ion channel impairing toxin	60	74.92	0.15	-2.47	0
53	Nuclease	703	668.54	0.60	-2.49	0.01
54	Bacteriolytic enzyme	35	434.66	0.31	-2.53	0.01
55	Toxin	214	412.51	0.39	-2.56	0
56	Endonuclease	443	728.14	0.60	-2.59	0.01
57	Elongation factor	106	467.68	0.48	-2.59	0.01
58	Prenyltransferase	39	376.21	0.31	-2.59	0.01
59	Photoreceptor protein	77	540.68	0.47	-3.02	0.01
60	Myosin	185	1275.20	0.72	-3.29	0
61	Retinal protein	47	384.06	0.28	-3.37	0
62	Hemagglutinin	23	281.22	0.13	-3.37	0
63	Neurotoxin	66	209.62	0.17	-3.80	0
64	RNA-directed RNA polymerase	62	2506.11	0.87	-4.11	0
65	Protease inhibitor	284	446.29	0.41	-4.15	0
66	Integrin	71	1038.25	0.70	-4.29	0
67	Dipeptidase	22	522.27	0.23	-4.43	0
68	Porin	63	318.84	0.21	-4.55	0
69	Serine protease inhibitor	182	497.66	0.38	-4.92	0
70	Peroxidase	221	457.61	0.40	-5.50	0
71	Nucleotidyltransferase	600	969.68	0.63	-6.18	0
72	Receptor	3424	647.92	0.59	-7.09	0
73	Serine esterase	141	423.09	0.28	-7.21	0
74	Dioxygenase	366	622.32	0.48	-7.39	0
75	Threonine protease	138	246.88	0.18	-7.50	0
76	Carboxypeptidase	116	631.16	0.37	-8.25	0
77	Methyltransferase	874	611.22	0.47	-8.33	0
78	Metalloprotease	507	688.25	0.56	-8.43	0
79	Serine protease	460	700.07	0.50	-8.87	0
80	Aminopeptidase	130	668.72	0.37	-9.10	0
81	Aminotransferase	202	451.05	0.24	-10.23	0
82	Decarboxylase	195	488.21	0.25	-10.70	0
83	Acyltransferase	867	531.58	0.42	-11.28	0
84	G-protein coupled receptor	1385	465.62	0.39	-12.45	0
85	Transducer	1703	482.28	0.41	-12.56	0
86	Protease	1863	674.42	0.54	-13.20	0
87	Isomerase	931	422.72	0.35	-13.60	0
88	Glycosidase	697	570.50	0.37	-16.81	0
89	Glycosyltransferase	1134	551.26	0.40	-17.04	0
90	Ligase	995	693.30	0.46	-18.05	0
91	Transferase	8846	631.95	0.55	-19.72	0
92	Monooxygenase	555	503.36	0.20	-20.29	0
93	Lyase	1431	481.37	0.30	-23.62	0
94	Hydrolase	7564	614.81	0.51	-26.99	0
95	Oxidoreductase	4126	472.25	0.28	-41.35	0

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23	GTPase activation	424	867.35	0.88	5.42	1
24	Vasoactive	46	267.00	0.76	5.21	1
25	Potassium channel	191	621.52	0.85	4.90	1
26	Antibiotic	270	152.33	0.39	4.82	1
27	Calcium channel	193	1397.77	0.93	4.52	1
28	Muscle protein	193	920.01	0.73	4.46	1
29	rRNA-binding	319	220.01	0.47	4.21	1
30	Heparin-binding	221	650.97	0.73	4.09	1
31	Fungicide	81	129.59	0.40	3.69	1
32	Tyrosine-protein kinase	376	863.00	0.89	3.68	1
33	Antimicrobial	349	191.07	0.38	3.55	1
34	Actin-binding	837	974.92	0.77	3.11	1
35	Prion	22	497.05	0.91	3.09	1
36	Defensin	53	81.09	0.30	2.60	0.99
37	Protein synthesis inhibitor	36	419.33	0.69	2.35	0.99
38	Viral nucleoprotein	39	1202.79	0.90	2.31	0.99
39	Voltage-gated channel	386	816.98	0.78	2.14	0.98
40	Tumor antigen	26	428.81	0.77	1.98	0.99
41	Motor protein	467	1227.67	0.83	1.85	0.97
42	Segmentation polarity protein	24	712.75	0.92	1.84	0.99
43	Cytokine	433	236.45	0.43	1.69	0.96
44	Metalloenzyme inhibitor	34	303.21	0.59	1.52	0.95
45	Metalloprotease inhibitor	32	264.50	0.56	1.44	0.95
46	Topoisomerase	60	910.32	0.92	1.39	0.95
47	Neurotoxin	66	209.62	0.17	-2.01	0.03
48	tRNA-binding	119	575.46	0.56	-2.21	0.02
49	Bacteriolytic enzyme	35	434.66	0.31	-2.24	0.02
50	Kinase	3072	730.20	0.71	-2.57	0.01
51	Endonuclease	443	728.14	0.60	-2.85	0
52	Nuclease	703	668.54	0.60	-2.97	0
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