Persolution underno Mil-Alphore net is owney mature-skew < -0.0										Predviđeno uređeni MF-termini dobijeni iz direktnog i izvedenog mapiranja						
Online continue		Predviđeno uređene MF-ključne reči iz ovog rada (z-skor < -0.2)							#	пате	n	avg_len	avg_dis	Z	p	
Image: Control of the control of t	#	name	n	avg_len	avg_dis	Z	p		0	catalytic activity	28179	569.86	0.48	-52.25	0	
2	0	Oxidoreductase	4126	472.25	0.28	-41.35	0	>	1	oxidoreductase activity	4986	450.49	0.30	-39.62	0	
Monocovegeneer S55 M.3.6 C. C. C. C. C. C. C.	1	Hydrolase	7564	614.81	0.51	-26.99	0	-	2	hydrolase activity	11097	623.94	0.53	-27.76	0	
Transforme	2	Lyase	1431	481.37	0.30	-23.62	0		3	lyase activity	1624	480.74	0.31	-24.47	0	
Section Ligare 995 997, 997, 997, 998, 998 997, 999 997, 999, 999, 999, 999, 9	3	Monooxygenase	555	503.36	0.20	-20.29	0	_ 	4	monooxygenase activity	633	511.13	0.22	-21.40	0	
Glycosyltanaferme	4	Transferase	8846	631.95	0.55	-19.72	0		5	transporter activity	5388	621.16	0.53	-19.15	0	
The College Content of the College C	5	Ligase	995	693.30	0.46	-18.05	0	_	6	transferase activity	10428	619.96	0.56	-18.80	0	
Record	6	Glycosyltransferase	1134	551.26	0.40	-17.04	0		7	transferase activity, trans	1343	545.86	0.41	-18.49	0	
Protection	7	Glycosidase	697	570.50	0.37	-16.81	0		8	ligase activity	1097	675.42	0.46	-16.68	0	
10 C-protein coupled receptor 1385 465.62 0.39 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 12.45 0 13.45	8	Isomerase	931	422.72	0.35	-13.60	0	-	9	hydrolase activity, acting	934	548.13	0.39	-16.32	0	
13 G. protein coupled receptor 1388 465.62 0.39 112.45 0 12 Acytlmasferase 137 531.58 0.42 -11.28 0 13 Dependence activity 292 494.47 0.26 -13.09 0 14 G. protein coupled receptor 1473 465.64 0.40 -12.30 0 14 G. protein coupled receptor 1473 465.64 0.40 -12.30 0 15 Aminorparidase 130 668.72 0.37 -9.10 0 0 15 Aminorparidase 130 668.72 0.37 -9.10 0 0 16 Serine protease 460 700.07 0.50 -8.87 0 16 Serine protease 460 700.07 0.50 -8.87 0 17 Aminorpatidase activity 0.80 614.31 0.46 -10.79 0 17 Metalloprotease 507 688.25 0.56 8.43 0 18 Metalloprotease 507 688.25 0.56 8.43 0 18 Metalloprotease 138 368.88 13 0.45 -10.79 0 19 Garboxypeptidase 116 631.16 0.37 -8.25 0 19 Garboxypeptidase activity 143 596.81 0.44 -8.54 0 10 Garboxypeptidase 144 145 0.5	9	Protease	1863	674.42	0.54	-13.20	0	*	10	isomerase activity	1046	425.93	0.35	-14.19	0	
12	10	Transducer	1703	482.28	0.41	-12.56	0		11	transferase activity, trans	1235	540.97	0.43	-13.31	0	
13	11	G-protein coupled receptor	1385	465.62	0.39	-12.45	0		12	carboxy-lyase activity	292	494.47	0.26	-13.09	0	
14	12	Acyltransferase	867	531.58	0.42	-11.28	0		13	peptidase activity	2211	644.11	0.53	-13.05	0	
15	13	Decarboxylase	195	488.21	0.25	-10.70	0		14	G-protein coupled receptor	1473	465.64	0.40	-12.30	0	
17	14	Aminotransferase	202	451.05	0.24	-10.23	0	N = 1	15	carboxylic ester hydrolase	628	482.21	0.37	-12.01	0	
Metalloprotease	15	Aminopeptidase	130	668.72	0.37	-9.10	0		16	serine-type peptidase activity	708	614.43	0.46	-10.79	0	
Methyltransferase	16	Serine protease	460	700.07	0.50	-8.87	0	1	17	aminopeptidase activity	177	633.80	0.35	-10.74	0	
19	17	Metalloprotease	507	688.25	0.56	-8.43	0		18	transaminase activity	230	459.43	0.26	-10.46	0	
Threonine protease	18	Methyltransferase	874	611.22	0.47	-8.33	0	1	19	methyltransferase activity	947	607.08	0.48	-8.77	0	
Dioxygenase 366 622.32 0.48 7.39 0 22 Scrine esterase 141 423.09 0.28 7.21 0 23 Scrine esterase 141 423.09 0.28 7.21 0 24 Nucleotidyltransferase 600 969.68 0.63 6.18 0 25 Peroxidase 620 969.68 0.63 6.18 0 25 Peroxidase 221 457.61 0.40 5.50 0 26 Serine protease inhibitor 182 497.66 0.38 4.92 0 0 27 Porin 63 318.84 0.21 4.55 0 0 28 Dipeptidase 22 522.27 0.23 4.43 0 0 29 Integrin 71 1038.25 0.70 4.29 0 0 10 20 20 20 20 20	19	Carboxypeptidase	116	631.16	0.37	-8.25	0		20	carboxypeptidase activity	143	596.81	0.34	-8.54	0	
22 Serine esterase	20	Threonine protease	138	246.88	0.18	-7.50	0	X'	21	metallopeptidase activity	632	663.90	0.56	-8.44	0	
Receptor 3424 647.92 0.59 -7.09 0 24 Nucleatidyltransferase 600 969.08 0.63 -6.18 0 25 Peroxidase 221 457.61 0.40 -5.50 0 26 Serine protease inhibitor 182 497.66 0.33 4.92 0 27 Porin 63 318.84 0.21 -4.55 0 28 Dipeptidase 22 522.27 0.23 -4.43 0 29 Integrin 71 1038.25 0.70 -4.29 0 29 Integrin 71 1038.25 0.70 -4.29 0 30 Protease inhibitor 284 446.29 0.41 -4.15 0 31 Phospholipase A2 activity 37 377.39 0.30 -4.93 0 31 Phospholipase A2 activity 285 349.98 0.32 -4.59 0 33 Hemagglutinin 427 384.06 0.28 -3.37 0 34 Retinal protein 47 384.06 0.28 -3.37 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 443 728.14 0.60 -2.59 0.01 43 RnA-directed 5-3 RNA poly 75 2341.31 0.87 -2.57 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease inhibitor 63 411.06 0.35 -2.04 0.03 48 20.001 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 signal transfource activity 416 493.46 0.50 -2.38 0.01 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 Elongation factor 44 42.51 0.39 -2.56 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 65 297.55 0.35 -2.00 0.02 48 Elongation factor 44 42.51 0.35 -2.01 0.02 48 Elongation factor 44 42.51 0.35 -2.01 0.02 48 Elongation factor 44 42.51 0.35 -2.01 0.02 44 42.51 0.35 -2.01 0.02 44 Enholating 247 566.35 0.57 -2.39 0.01 45 Paptidase inhibitor 45 45 45 45 45 45 45 4	21	Dioxygenase	366	622.32	0.48	-7.39	0	X	22	ATP binding	7585	801.90	0.69	-8.22	0	
Nucleotidyltransferase 600 969.68 0.63 -6.18 0 25 Peroxidase 221 457.61 0.40 -5.50 0 26 Serine protease inhibitor 182 497.66 0.38 -4.92 0 27 Porin 63 318.84 0.21 -4.55 0 28 Dipeptidase 22 522.27 0.23 -4.43 0 29 Integrin 71 1038.25 0.70 -4.29 0 30 Protease inhibitor 284 446.29 0.41 -4.15 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 31 RNA-directed RNA polymerase 70 365.39 0.02 -4.59 0.01 32 Retinal protein 77 540.68 0.47 -3.02 0.01 33 toxin activity 285 349.98 0.32 -4.59 0.01 35 Myosin 185 1275.20 0.72 -3.29 0.01 36 Myosin 185 1275.20 0.72 -3.29 0.01 37 Retinal protein 77 540.68 0.48 -2.59 0.01 38 Antigen binding 277 345.87 0.38 -3.58 0.01 40 RNA-directed RNA polymerase 39 376.21 0.31 -2.59 0.01 40 RNA-directed RNA polymerase 39 376.21 0.31 -2.59 0.01	22	Serine esterase	141	423.09	0.28	-7.21	0		23	dioxygenase activity	419	604.98	0.48	-7.83	0	
Peroxidase 221 457.61 0.40 -5.50 0 26 Serine protease inhibitor 182 497.66 0.38 4.92 0 27 Porin 63 318.84 0.21 -4.55 0 28 Dipeptidase 22 522.27 0.23 -4.43 0 29 Serine-type endopeptidase 218 485.65 0.40 -4.99 0 29 Integrin 71 1038.25 0.70 -4.29 0 30 Protease inhibitor 284 446.29 0.41 -4.15 0 31 Phospholipase A2 activity 37 778.27 0.43 -4.87 0 31 Phospholipase Dativity 37 778.27 0.43 -4.87 0 32 Neurotoxin 66 209.62 0.17 -3.80 0 34 Retinal protein 47 384.06 0.28 -3.37 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 41 Baceriolytic enzyme 35 434.66 0.31 -2.55 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.04 0.03 48 Signal translatione eloniding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 48 Girch Polycone 10.00	23	Receptor	3424	647.92	0.59	-7.09	0	7' \/\ ,	24	peroxidase activity	282	414.57	0.34	-7.11	0	
26 Serine protease inhibitor 182 497.66 0.38 4.92 0 27	24	Nucleotidyltransferase	600	969.68	0.63	-6.18	0		25	antioxidant activity	499	344.42	0.36	-6.89	0	
Porin	25	Peroxidase	221	457.61	0.40	-5.50	0		26	threonine-type endopeptidas	139	247.87	0.19	-6.79	0	
28 Dipeptidase 22 522.27 0.23 -4.43 0	26	Serine protease inhibitor	182	497.66	0.38	-4.92	0		27	nucleotidyltransferase acti	892	805.20	0.59	-6.07	0	
Protease inhibitor 284 446.29 0.41 -4.15 0 31 RNA-directed RNA polymerase 62 2506.11 0.87 -4.11 0 32 Neurotoxin 66 209.62 0.17 -3.80 0 33 toxin activity 285 349.98 0.32 -4.59 0 34 4.22 0 34 4.25 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 48 URNA-binding 119 575.46 0.56 -2.01 0.03 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 0.67 -1.93 0.04 0.05 0.06 -2.217 0.02 0.01 0.03 0.00 0.01 0.00 0.01 0.00 0.01 0.00	27	Porin	63	318.84	0.21	-4.55	0	1	28	porin activity	76	369.24	0.22	-5.22	0	
30 Protease inhibitor 284 446.29 0.41 -4.15 0 31 phospholipase D activity 37 778.27 0.43 -4.87 0 0 32 Neurotoxin 66 209.62 0.17 -3.80 0 33 Hemagglutinin 23 281.22 0.13 -3.37 0 34 Retinal protein 47 384.06 0.28 -3.37 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 37 Prenyltransferase activity 36 711.73 658.33 0.59 -3.85 0 0.56 0.56 2.49 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 44 Chloride channel activity 416 649.34 60.50 -2.39 0.01 44 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.02 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 285 349.98 0.32 -4.70 0 0 0.32 -4.70 0.02 0.02 -4.70 0.02 -4.70 0.02 0.02 -4.70 0.02 0.02 -4.70 0.02 0.02 -4.70 0.02 0.02 -4.70 0.02	28	Dipeptidase	22	522.27	0.23	-4.43	0		29	serine-type endopeptidase i	218	485.65	0.40	-4.99	0	
RNA-directed RNA polymerase 62 2506.11 0.87 4.11 0 32 Neurotoxin 66 209.62 0.17 -3.80 0 33 toxin activity 285 349.98 0.32 -4.70 0 0 33 Hemagglutinin 23 281.22 0.13 -3.37 0 34 Retinal protein 47 384.06 0.28 -3.37 0 35 Myosin 185 1275.20 0.72 -3.29 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 48 translation elongation factivity 414 619.06 0.62 -2.17 0.02 48 translation elongation factor 116 464.12 0.46 -3.35 0.01 45 Protein coupled photorece 44 390.23 0.30 -2.99 0.01 45 Protein coupled photorece 44 390.23 0.30 -2.99 0.01 45 Protein coupled photorece 46 Protein coupled photorece 46 Protein coupled photorece 47 19 19 19 19 19 19 19 1	29	Integrin	71	1038.25	0.70	-4.29	0	1 🗸 1	30	phospholipase A2 activity	93	377.39	0.30	-4.93	0	
Neurotoxin Color	30	Protease inhibitor	284	446.29	0.41	-4.15	0	1 N	31	phospholipase D activity	37	778.27	0.43	-4.87	0	
33 Hemagglutinin 23 281.22 0.13 -3.37 0 34 dipeptidase activity 41 557.73 0.34 -4.23 0 34 Retinal protein 47 384.06 0.28 -3.37 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 41.25 0.34 -4.23 0.34 -4.23 0.34 -4.23 0.34 -4.23 0.34 -4.23 0.34 -4.23 0.34 -4.23 0.35	31	RNA-directed RNA polymerase	62	2506.11	0.87	-4.11	0	$1 \setminus 1 \setminus 1$	32	prenyltransferase activity	128	369.37	0.32	-4.70	0	
Retinal protein 47 384.06 0.28 -3.37 0 35 Myosin 185 1275.20 0.72 -3.29 0 36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 43 Ion channel impairing toxin 60 74.92 0.15 -2.47 0 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	32	Neurotoxin	66	209.62	0.17	-3.80	0	1-W t 🔀	33	toxin activity	285	349.98	0.32	-4.59	0	
35 Myosin 185 1275.20 0.72 -3.29 0 36 Phospholipase A2 activity (70 365.39 0.30 -3.90 0 37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 45 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 0.01 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	33	Hemagglutinin	23	281.22	0.13	-3.37	0	1 W //	34	dipeptidase activity	41	557.73	0.34	-4.23	0	
36 Photoreceptor protein 77 540.68 0.47 -3.02 0.01 37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	34	Retinal protein	47	384.06	0.28	-3.37	0	¹ /\	35	metalloendopeptidase activity	369	711.73	0.63	-4.22	0	
37 Prenyltransferase 39 376.21 0.31 -2.59 0.01 38 Elongation factor 106 467.68 0.48 -2.59 0.01 39 Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	35	Myosin	185	1275.20	0.72	-3.29	0	$1 + X \times X$	36	phospholipase A2 activity (70	365.39	0.30	-3.90	0	
Second	36	Photoreceptor protein	77	540.68	0.47	-3.02	0.01		37	endonuclease activity	773	658.33	0.59	-3.85	0	
Endonuclease 443 728.14 0.60 -2.59 0.01 40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 43 RNA-directed 5'-3' RNA poly 75 2341.31 0.87 -2.57 0.02 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04 2.59 0.01 2.59 0.01 2.59 0.01 2.59 0.01 2.59 0.01 2.59 0.01 2.59 0.01 2.59 0.0	37	Prenyltransferase	39	376.21	0.31	-2.59	0.01		38	antigen binding	277	345.87	0.38	-3.68	0	
40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 43 Ion channel impairing toxin 60 74.92 0.15 -2.47 0 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	38	Elongation factor	106	467.68	0.48	-2.59	0.01	 	39	translation elongation fact	116	464.12	0.46	-3.35	0	
40 Toxin 214 412.51 0.39 -2.56 0 41 Bacteriolytic enzyme 35 434.66 0.31 -2.53 0.01 42 Nuclease 703 668.54 0.60 -2.49 0.01 43 Ion channel impairing toxin 60 74.92 0.15 -2.47 0 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	39	Endonuclease	443	728.14	0.60	-2.59	0.01	// \ / \\\ ,	40	nuclease activity	1124	659.17	0.61	-3.20	0	
42 Nuclease 703 668.54 0.60 -2.49 0.01 43 Ion channel impairing toxin 60 74.92 0.15 -2.47 0 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	40	Toxin	214	412.51	0.39	-2.56	0			G-protein coupled photorece	44	390.23	0.30	-2.99	0	
43 Ion channel impairing toxin 60 74.92 0.15 -2.47 0 44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	41	Bacteriolytic enzyme	35	434.66	0.31	-2.53	0.01		42	chloride channel activity	195	622.49	0.62	-2.67	0.01	
44 Voltage-gated sodium channe 22 79.55 0.05 -2.42 0.01 45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	42	Nuclease	703	668.54	0.60	-2.49	0.01	// \ \ \ \	43	RNA-directed 5'-3' RNA poly	75	2341.31	0.87	-2.57	0.02	
45 Aspartyl protease 120 942.30 0.64 -2.39 0.01 46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03	43	Ion channel impairing toxin	60	74.92	0.15	-2.47	0] / \]	44	tRNA binding	247	566.35	0.57	-2.39	0.01	
46 Hemostasis impairing toxin 55 297.55 0.35 -2.10 0.02 47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	44	Voltage-gated sodium channe	22	79.55	0.05	-2.42	0.01] <i>;</i>	45	peptidase inhibitor activity	446	493.46	0.50	-2.38	0.01	
47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 signal transducer activity 4149 619.06 0.62 -2.17 0.02 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	45	Aspartyl protease	120	942.30	0.64	-2.39	0.01	1,'	46	photoreceptor activity	91	574.22	0.54	-2.30	0.01	
47 Thiol protease inhibitor 63 411.06 0.35 -2.04 0.03 48 tRNA-binding 119 575.46 0.56 -2.01 0.03 49 aminoacyl-tRNA ligase activity 255 659.40 0.67 -1.93 0.04	46	Hemostasis impairing toxin	55	297.55	0.35	-2.10	0.02	Ĭ /	47	glucan endo-1,3-beta-D-gluc	28	522.18	0.43	-2.29	0.02	
	47	Thiol protease inhibitor	63	411.06	0.35	-2.04	0.03	1/	48	signal transducer activity	4149	619.06	0.62	-2.17	0.02	
50 cysteine-type endopeptidase 262 953.41 0.64 -1.65 0.05	48	tRNA-binding	119	575.46	0.56	-2.01	0.03	1/	49	aminoacyl-tRNA ligase activity	255	659.40	0.67	-1.93	0.04	
		·				•	•	_	50	cysteine-type endopeptidase	262	953.41	0.64	-1.65	0.05	