19 MF ključnih reči sa najznačajnijom predviđenom uređenošću (org. 2007)

#	*name*	*n prot*	*n families*	*avg_len*	*Z-score*	*P-value*
0	Oxidoreductase	14995	992	376.63	−29.54	0
1	Transferase	26525	1606	445.17	−24.25	0
2	Lyase	7262	347	377.92	−22.64	0
3	Hydrolase	20464	1995	430.68	−21.75	0
4	Isomerase	4487	220	383.98	−14.18	0
5	Glycosidase	1826	244	444.73	−13.98	0
6	Glycosyltransferase	2950	261	437.53	−12.51	0
7	Acyltransferase	2239	179	402.83	−10.85	0
8	Methyltransferase	3524	224	349.60	−10.53	0
9	Kinase	7017	322	448.29	−10.22	0
10	Ligase	8010	230	529.41	−10.06	0
11	Decarboxylase	1293	63	345.26	−9.66	0
12	Monooxygenase	1668	73	444.87	−9.26	0
13	Metalloprotease	1100	109	553.73	−7.89	0
14	Aminopeptidase	452	39	509.17	−7.55	0
15	Dioxygenase	360	66	433.20	−7.32	0
16	Aminoacyl-tRNA synthetase	3402	37	571.83	−7.15	0
17	Protease	4423	380	549.70	−7.1	0
18	Aminotransferase	955	28	420.27	−6.02	0

Predviđene uređene MF ključne reči iz ovoga rada (z-skor < -0.2)

#	*name*	*n*	*avg_len*	*avg_dis*	*z*	*p*
0	Oxidoreductase	4126	472.25	0.28	-41.35	0
1	Hydrolase	7564	614.81	0.51	-26.99	0
2	Lyase	1431	481.37	0.30	-23.62	0
3	Monooxygenase	555	503.36	0.20	-20.29	0
4	Transferase	8846	631.95	0.55	-19.72	0
5	Ligase	995	693.30	0.46	-18.05	0
6	Glycosyltransferase	1134	551.26	0.40	-17.04	0
7	Glycosidase	697	570.50	0.37	-16.81	0
8	Isomerase	931	422.72	0.35	-13.60	0
9	Protease	1863	674.42	0.54	-13.20	0
10	Transducer	1703	482.28	0.41	-12.56	0
11	G-protein coupled receptor	1385	465.62	0.39	-12.45	0
12	Acyltransferase	867	531.58	0.42	-11.28	0
13	Decarboxylase	195	488.21	0.25	-10.70	0
14	Aminotransferase	202	451.05	0.24	-10.23	0
15	Aminopeptidase	130	668.72	0.37	-9.10	0
16	Serine protease	460	700.07	0.50	-8.87	0
17	Metalloprotease	507	688.25	0.56	-8.43	0
18	Methyltransferase	874	611.22	0.47	-8.33	0
19	Carboxypeptidase	116	631.16	0.37	-8.25	0
20	Threonine protease	138	246.88	0.18	-7.50	0
21	Dioxygenase	366	622.32	0.48	-7.39	0
22	Serine esterase	141	423.09	0.28	-7.21	0
23	Receptor	3424	647.92	0.59	-7.09	0
24	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
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	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	Platelet aggregation activa...	8	197.12	0	-2.48	0.02
44	Ion channel impairing toxin	60	74.92	0.15	-2.47	0
45	Voltage-gated sodium channe...	22	79.55	0.05	-2.42	0.01
46	Aspartyl protease	120	942.30	0.64	-2.39	0.01
47	Thyroid hormone	10	935.20	0.30	-2.17	0.02
48	Hemostasis impairing toxin	55	297.55	0.35	-2.10	0.02
49	Thiol protease inhibitor	63	411.06	0.35	-2.04	0.03
50	tRNA-binding	119	575.46	0.56	-2.01	0.03

Svi predviđeni uređeni MF termini sa preko 1000 proteina (z-skor < -0.2)

#	*name*	*n*	*avg_len*	*avg_dis*	*z*	*p*
0	catalytic activity	28179	569.86	0.48	-52.25	0
1	oxidoreductase activity	4986	450.49	0.30	-39.62	0
2	cofactor binding	3821	507.81	0.33	-35.37	0
3	coenzyme binding	2047	500.21	0.32	-29.04	0
4	hydrolase activity	11097	623.94	0.53	-27.76	0
5	lyase activity	1624	480.74	0.31	-24.47	0
6	small molecule binding	12215	692.56	0.59	-22.57	0
7	nucleotide binding	10750	705.30	0.61	-19.31	0
8	transporter activity	5388	621.16	0.53	-19.15	0
9	nucleoside phosphate binding	10751	705.25	0.61	-19.04	0
10	transferase activity	10428	619.96	0.56	-18.80	0
11	transferase activity, trans...	1343	545.86	0.41	-18.49	0
12	transmembrane transporter a...	4459	618.35	0.53	-18.01	0
13	ligase activity	1097	675.42	0.46	-16.68	0
14	magnesium ion binding	1077	522.15	0.38	-16.55	0
15	active transmembrane transp...	1806	647.99	0.53	-16.31	0
16	anion binding	12501	704.24	0.62	-15.19	0
17	hydrolase activity, acting ...	3348	584.99	0.52	-15.08	0
18	isomerase activity	1046	425.93	0.35	-14.19	0
19	anion transmembrane transpo...	1214	552.08	0.47	-13.42	0
20	ion binding	23718	644.52	0.61	-13.39	0
21	transferase activity, trans...	1235	540.97	0.43	-13.31	0
22	peptidase activity, acting ...	2135	652.89	0.54	-13.19	0
23	peptidase activity	2211	644.11	0.53	-13.05	0
24	ion transmembrane transport...	3422	631.48	0.56	-12.46	0
25	drug binding	8707	765.35	0.65	-12.44	0
26	G-protein coupled receptor ...	1473	465.64	0.40	-12.30	0
27	ribonucleotide binding	9257	737.61	0.65	-12.22	0
28	transferase activity, trans...	1029	532.58	0.43	-11.34	0
29	purine ribonucleotide binding	9089	741.87	0.65	-11.10	0
30	secondary active transmembr...	1005	581.70	0.52	-10.97	0
31	purine ribonucleoside triph...	8904	744.67	0.65	-10.68	0
32	transferase activity, trans...	1039	609.48	0.46	-10.58	0
33	purine nucleotide binding	9122	740.64	0.65	-10.52	0
34	transmembrane receptor acti...	2558	588.63	0.53	-10.48	0
35	transmembrane signaling rec...	2558	588.63	0.53	-10.38	0
36	carbohydrate derivative bin...	10116	727.31	0.65	-10.36	0
37	inorganic molecular entity ...	3083	616.08	0.57	-10.35	0
38	endopeptidase activity	1487	659.98	0.54	-9.78	0
39	nucleoside binding	1537	473.76	0.48	-9.42	0
40	ribonucleoside binding	1512	470.03	0.48	-9.13	0
41	pyrophosphatase activity	3935	755.32	0.63	-8.76	0
42	hydrolase activity, acting ...	3952	753.39	0.63	-8.75	0
43	hydrolase activity, acting ...	3960	753.95	0.63	-8.58	0
44	purine nucleoside binding	1488	457.95	0.48	-8.57	0
45	GTP binding	1467	458.88	0.48	-8.55	0
46	guanyl nucleotide binding	1558	467.45	0.49	-8.52	0
47	purine ribonucleoside binding	1481	458.63	0.48	-8.33	0
48	ATP binding	7585	801.90	0.69	-8.22	0
49	transition metal ion binding	4299	576.32	0.57	-8.01	0
50	guanyl ribonucleotide binding	1555	467.13	0.49	-7.88	0
51	cation transmembrane transp...	2498	646.88	0.59	-7.73	0
52	phosphoric ester hydrolase ...	1437	575.76	0.55	-7.53	0
53	signaling receptor activity	3071	594.82	0.57	-7.48	0
54	adenyl ribonucleotide binding	7730	798.61	0.69	-7.45	0
55	adenyl nucleotide binding	7759	796.92	0.69	-7.33	0
56	GTPase activity	1074	408.60	0.46	-7.14	0
57	nucleoside-triphosphatase a...	3713	779.38	0.65	-6.86	0
58	cation binding	14653	629.27	0.62	-6.81	0
59	metal ion binding	14382	631.50	0.62	-6.80	0
60	phosphatase activity	1080	542.08	0.52	-6.53	0
61	amide binding	1044	639.07	0.55	-6.44	0
62	receptor activity	3498	621.68	0.59	-6.30	0
63	molecular transducer activity	3679	615.39	0.60	-5.77	0
64	monovalent inorganic cation...	1451	565.24	0.58	-5.49	0
65	molecular_function	57460	547.23	0.60	-4.95	0
66	ATPase activity, coupled	1736	907.02	0.72	-4.49	0
67	ATPase activity	2202	892.73	0.71	-4.41	0
68	inorganic cation transmembr...	2067	666.84	0.62	-4.38	0
69	catalytic activity, acting ...	1757	682.28	0.62	-3.84	0
70	nuclease activity	1124	659.17	0.61	-3.20	0
71	signal transducer activity	4149	619.06	0.62	-2.17	0.02