a									11 1 1 1 X ME	···		<i>,</i> 1	0.2		
	-4-4:-4:¥1-:	·	1:¥!I. N 41	F ¥: (W	:4 -1	2007)	٦		Uređene ključne MF-						
	statistički najznačajnijih uređ						_	#	name	n	avg_len	avg_dis	Z	p	
#			n families		Z-score	P-value		0	Oxidoreductase	4126	472.25	0.28	-41.35	0	
0	Oxidoreductase	14995	992	376.63	-29.54	0		1	Hydrolase	7564	614.81	0.51	-26.99	0	
1		26525	1606	445.17	-24.25	0	•	2	Lyase	1431	481.37	0.30	-23.62	0	
2	Lyase	7262	347	377.92	-22.64	0		3	Monooxygenase	555	503.36	0.20	-20.29	0	
3	Hydrolase	20464	1995	430.68	-21.75	0	7	4	Transferase	8846	631.95	0.55	-19.72	0	
4	Isomerase	4487	220	383.98	-14.18	0	/ / /	5	Ligase	995	693.30	0.46	-18.05	0	
5	Glycosidase	1826	244	444.73	-13.98	0	1	6	Glycosyltransferase	1134	551.26	0.40	-17.04	0	
6	Glycosyltransferase	2950	261	437.53	-12.51	0		7	Glycosidase	697	570.50	0.37	-16.81	0	
7	Acyltransferase	2239	179	402.83	-10.85	0	├	8	Isomerase	931	422.72	0.35	-13.60	0	
8	Methyltransferase	3524	224	349.60	-10.53	0	√ ✓ ,	9	Protease	1863	674.42	0.54	-13.20	0	
9	Kinase	7017	322	448.29	-10.22	0	JX/\ /	10	Transducer	1703	482.28	0.41	-12.56	0	
10	Ligase	8010	230	529.41	-10.06	0	YX X	11	G-protein coupled receptor	1385	465.62	0.39	-12.45	0	
11	Decarboxylase	1293	63	345.26	-9.66	0	\mathcal{M}	12	Acyltransferase	867	531.58	0.42	-11.28	0	
12	Monooxygenase	1668	73	444.87	-9.26	0	7	13	Decarboxylase	195	488.21	0.25	-10.70	0	
13	Metalloprotease	1100	109	553.73	-7.89	0	λ Λ	14	Aminotransferase	202	451.05	0.24	-10.23	0	
14	Aminopeptidase	452	39	509.17	-7.55	0	1 × V•	15	Aminopeptidase	130	668.72	0.37	-9.10	0	
15	Dioxygenase	360	66	433.20	-7.32	0		16	Serine protease	460	700.07	0.50	-8.87	0	
16	Aminoacyl-tRNA synthetase	3402	37	571.83	-7.15	0	1X / Y	17	Metalloprotease	507	688.25	0.56	-8.43	0	
17	Protease	4423	380	549.70	-7.1	0	$\gamma X \rightarrow$	18	<u> </u>	874	611.22	0.47	-8.33	0	
18	Aminotransferase	955	28	420.27	-6.02	0	/ \	19	· · · · · · · · · · · · · · · · · · ·	116	631.16	0.37	-8.25	0	
							, /	20	** *	138	246.88	0.18	-7.50	0	
							7	21	Dioxygenase	366	622.32	0.48	-7.39	0	
_															
h	Uređeni MF-termini dobijeni iz direktnog i izvedenog mapiranja														
_		···			2.2				Uređeni MF-termini dobijeni						
	Uređene ključne MF-r							#	name	n	avg_len	avg_dis	Z	p	
#	name	n	avg_len			p	4	0	catalytic activity	28179	569.86	0.48	-52.25	0	
0	Oxidoreductase	4126	6 472.25	0.28	-41.35	0	-	1	oxidoreductase activity	4986	450.49	0.30	-39.62	0	
1	Hydrolase	7564	4 614.81	0.51	-26.99	0	+	2	hydrolase activity	11097	623.94	0.53	-27.76	0	
2	Lyase	1431	1 481.37	0.30	-23.62	0	+	3	lyase activity	1624	480.74	0.31	-24.47	0	
3	Monooxygenase	555	503.36	0.20	-20.29	0	+	4	monooxygenase activity	633	511.13	0.22	-21.40	0	
4	Transferase	8846	6 631.95	0.55	-19.72	0		5	transporter activity	5388	621.16	0.53	-19.15	0	
5	Ligase	995	693.30	0.46	-18.05	0		6	transferase activity	10428	619.96	0.56	-18.80	0	
6	Glycosyltransferase	1134	551.26	0.40	-17.04	0	>	7	transferase activity, trans	1343	545.86	0.41	-18.49	0	
7	Glycosidase	697	570.50	0.37	-16.81	0	_	8	ligase activity	1097	675.42	0.46	-16.68	0	
8	Isomerase	931	422.72	0.35	-13.60	0		9	hydrolase activity, acting	934	548.13	0.39	-16.32	0	
9	Protease	1863			-13.20	0		10	isomerase activity	1046	425.93	0.35	-14.19	0	
10	Transducer	1703		0.41	-12.56	0		11	transferase activity, trans	1235	540.97	0.43	-13.31	0	
11	G-protein coupled receptor	1385		0.39	-12.45	0		12	carboxy-lyase activity	292	494.47	0.26	-13.09	0	
12	Acyltransferase	867	_	0.42	-11.28	0		13	peptidase activity	2211	644.11	0.53	-13.05	0	
13	Decarboxylase	195		0.42	-10.70	0		14	G-protein coupled receptor	1473	465.64	0.40	-12.30	0	
\vdash	Aminotransferase	202		0.23	-10.70	0	\ / .	15	carboxylic ester hydrolase	628	482.21	0.40	-12.01		
14					_									0	
15	Aminopeptidase	130		0.37	-9.10	0		16	serine-type peptidase activity	708	614.43	0.46	-10.79	0	
16	Serine protease	460		0.50	-8.87	0		17	aminopeptidase activity	177	633.80	0.35	-10.74	0	
17	Metalloprotease	507		0.56	-8.43	0		18	transaminase activity	230	459.43	0.26	-10.46	0	
18	Methyltransferase	874		0.47	-8.33	0		19	methyltransferase activity	947	607.08	0.48	-8.77	0	
19	Carboxypeptidase	116			-8.25	0		20	carboxypeptidase activity	143	596.81	0.34	-8.54	0	
20	Threonine protease	138		0.18	-7.50	0		21	metallopeptidase activity	632	663.90	0.56	-8.44	0	
21	Dioxygenase	366		0.48	-7.39	0	AL I	22	ATP binding	7585	801.90	0.69	-8.22	0	
22	Serine esterase	141		0.28	-7.21	0	', X →	23	dioxygenase activity	419	604.98	0.48	-7.83	0	
23	Receptor	3424		0.59	-7.09	0	' \\ \\	24	peroxidase activity	282	414.57	0.34	-7.11	0	
24	Nucleotidyltransferase	600		0.63	-6.18	0	\/\.	25	antioxidant activity	499	344.42	0.36	-6.89	0	
25	Peroxidase	221	457.61	0.40	-5.50	0		26	threonine-type endopeptidas	139	247.87	0.19	-6.79	0	
26	Serine protease inhibitor	182		0.38	-4.92	0		27	nucleotidyltransferase acti	892	805.20	0.59	-6.07	0	
27	Porin	63	318.84	0.21	-4.55	0	→	28	porin activity	76	369.24	0.22	-5.22	0	
28	Dipeptidase	22	522.27	0.23	-4.43	0		29	serine-type endopeptidase i	218	485.65	0.40	-4.99	0	
29	Integrin	71	1038.25	0.70	-4.29	0	$\sqrt{ }$	30	phospholipase A2 activity	93	377.39	0.30	-4.93	0	
30	Protease inhibitor	284	446.29	0.41	-4.15	0	M	31	phospholipase D activity	37	778.27	0.43	-4.87	0	
31	RNA-directed RNA polymeras	e 62	2506.11	0.87	-4.11	0	$\backslash \backslash / \backslash \backslash $	32	prenyltransferase activity	128	369.37	0.32	-4.70	0	
32	Neurotoxin	66	209.62	0.17	-3.80	0	-W	33	toxin activity	285	349.98	0.32	-4.59	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	(N ///	35	metalloendopeptidase activity	369	711.73	0.63	-4.22	0	
35	Myosin	185			-3.29	0	XX X/	36	phospholipase A2 activity (70	365.39	0.30	-3.90	0	
36	Photoreceptor protein	77	540.68	0.47	-3.02	0.01	[X\\/\\]	37	endonuclease activity	773	658.33	0.59	-3.85	0	
37	Prenyltransferase	39	376.21	0.47	-2.59	0.01	X X V	38	antigen binding	277	345.87	0.38	-3.68	0	
38	Elongation factor	106	_	0.31	-2.59	0.01		39	translation elongation fact	116	464.12	0.38	-3.35	0	
39	Endonuclease	443		0.48	-2.59	0.01	X	40	nuclease activity	1124	659.17	0.46	-3.33	0	
						_	/ \; \\ \		•				<u> </u>		
40	Toxin	214		0.39	-2.56	0		41	G-protein coupled photorece	105	390.23	0.30	-2.99	0	
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	
42	Nuclease	703		0.60	-2.49	0.01	´ / \ \ \ \	43	RNA-directed 5'-3' RNA poly	75	2341.31	0.87	-2.57	0.02	
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	