										Predviđeno neuređene MF klju	čne reči	i iz ovog ra	ada (z-sko	or > 0.2))
									#	name	n	avg_len	avg_dis	Z	p
_ ,	\								0	DNA-binding	6518	546.53	0.87	46.90	1
a)							1	1	Developmental protein	3897	655.21	0.86	31.10	1
	•							/4	2	Activator	2574	600.51	0.88	28.12	1
20	MF ključnih reči sa najznačajni							//4	3	Repressor	1988	589.29	0.85	22.63	1
#	name	n prot	n families	avg_len	Z-score	e P-va	lue	/ //	4	RNA-binding	2728	575.76	0.76	16.62	1
0	Ribonucleoprotein	12236	412	150.55	22.13	1		L //4	5	Chromatin regulator	1038	847.06	0.90	13.91	1
1	Ribosomal protein	11692	330	140.58	20.63	1		(7H /	6	Ribonucleoprotein	1886	272.29	0.60	13.39	1
2	Developmental protein	3260	721	477.93	19.28	1		~ 11	7	Serine/threonine-protein ki	1782	802.24	0.84	11.56	1
3	Hormone	1187	161	141.13	15.58	1		. /X	8	Chaperone	937	430.43	0.71	10.02	1
4	Growth factor	785	84	255.70	11.16	1	.	\mathcal{A}_{I}	9	Ribosomal protein	1408	186.38	0.53	9.34	1
5	Cytokine	899	110	213.28	10.21	1			10	Growth factor	398	299.63	0.70	8.98	1
6	Neuropeptide	268	209	95.08	9.65	1		/ //\	11	Protein kinase inhibitor	49	337.20	0.96	8.34	1
7	Activator	3086	573	428.47	9.04	1		\// \	12	Calmodulin-binding	520	1229.00	0.90	7.57	1
8	GAP protein	47	2	232.96	7.42	1		Х	13	Hormone	338	221.13	0.59	7.24	1
9	Antigen	1113	455	437.48	6.99	1		//\ 4	14	Cyclin	133	422.71	0.87	7.18	1
10	Repressor	2309	449	374.46	6.92	1		/ \	15	Signal transduction inhibitor	115	408.43	0.84	6.76	1
11	Chromatin regulator	334	100	801.24	6.70	1		\ /	16	Guanine-nucleotide releasin	319	1144.39	0.96	6.40	1
12	Pyrogen	37	2	262.59	6.44	1	L	X	17	GTPase activation	424	867.35	0.88	6.28	1
13	Vasoactive	125	39	160.39	5.56	1			18	Growth factor binding	50	593.98	1	6.09	1
14	Amphibian defense peptide	123	148	50.64	5.44	1		\checkmark	19	Neuropeptide	105	234.96	0.68	5.99	1
15	GTPase activation	311	70	831.03	5.36	1		$\langle \vee \rangle$	20	Potassium channel	191	621.52	0.85	5.10	1
16	Endorphin	42	4	226.68	5.35	1		\bigvee	21	Calcium channel	193	1397.77	0.93	5.09	1
17	Opioid peptide	24	4	216.96	5.14	1		$\bigwedge \setminus$	22	Protein phosphatase inhibitor	64	352.86	0.81	5.07	1
18	Protein phosphatase inhibitor	47	8	366.51	5.07	1		4	23	Tyrosine-protein kinase	376	863.00	0.89	5.04	1
19	Cyclin	182	25	430.58	4.88	1			24	Mitogen	137	286.03	0.68	4.80	1
			Į.					\ *	25	Vasoactive	46	267.00	0.76	4.29	1
								\	26	Heparin-binding	221	650.97	0.73	3.88	1
لم ا								\	27	Muscle protein	193	920.01	0.73	3.81	1
b)								\	28	Actin-binding	837	974.92	0.77	3.80	1
	Predviđeno neuređene MF klju	iXna raXi	iz ovog ro	do (z eko	-> 0 2)		1	*	29	Amphibian defense peptide	49	85.80	0.53	3.34	1
#	name	n l	avg_len		z (2)	n	1								
0	DNA-binding	6518	546.53	0.87	46.90	p 1		Г	Produ	viđeno neuređeni MF termini dobi	ioni iz d	direktnes i	izvadana	a monir	onio
1	Developmental protein	3897	655.21	0.86	31.10	1		#	Teuv	name	n n		avg_dis	g mapn z	
2	Activator	2574	600.51	0.88	28.12	1	<u>[``</u>	0		DNA binding	8254	574.89	0.86	46.13	p 1
3	Repressor	1988	589.29	0.85	22.63	1		1	6	sequence-specific DNA binding	3836	536.95	0.92	41.77	1
4	RNA-binding	2728	575.76	0.76	16.62	1		2		chromatin binding	1538	713.64	0.93	23.54	1
5	Chromatin regulator	1038	847.06	0.90	13.91	1		$\frac{2}{3}$		RNA binding	5797	565.80	0.73	19.79	1
6	Ribonucleoprotein	1886	272.29	0.60	13.39	1	ł	4		receptor binding	4109	529.68	0.68	14.04	1
7	Serine/threonine-protein ki	1782	802.24	0.84	11.56	1	`	5		protein serine/threonine ki				12.88	1
8	Chaperone	937	430.43	0.71	10.02		1	6			1942		0.84		
9	Ribosomal protein	1408	450.45					4		*	1942	784.87 558.88	0.84		1
10	Growth factor		186 38			1	-1-	/		structural molecule activity	2884	558.88	0.64	10.84	1
11		398	186.38	0.53	9.34	1	-1-	7		structural molecule activity structural constituent of r	2884 1350	558.88 182.95	0.64 0.53	10.84 9.25	1
12	Protein kinase inhibitor	398 49	299.63	0.53 0.70	9.34 8.98			8		structural molecule activity structural constituent of r calmodulin binding	2884 1350 710	558.88 182.95 1079.79	0.64 0.53 0.88	10.84 9.25 9.22	1
14	Protein kinase inhibitor Calmodulin-binding	49	299.63 337.20	0.53 0.70 0.96	9.34 8.98 8.34	1	- + - f - f	8 9		structural molecule activity structural constituent of r calmodulin binding growth factor activity	2884 1350 710 458	558.88 182.95 1079.79 312.38	0.64 0.53 0.88 0.70	10.84 9.25 9.22 8.99	1 1 1
13	Calmodulin-binding	49 520	299.63 337.20 1229.00	0.53 0.70 0.96 0.90	9.34 8.98 8.34 7.57	1 1 1 1	- - - - \ 	9 10		structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac	2884 1350 710 458 237	558.88 182.95 1079.79 312.38 401.60	0.64 0.53 0.88 0.70 0.82	10.84 9.25 9.22 8.99 8.94	1 1 1
13 14	Calmodulin-binding Hormone	49 520 338	299.63 337.20 1229.00 221.13	0.53 0.70 0.96 0.90 0.59	9.34 8.98 8.34 7.57 7.24	1 1 1 1 1		8 9 10 11 11		structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity	2884 1350 710 458 237 452	558.88 182.95 1079.79 312.38 401.60 218.09	0.64 0.53 0.88 0.70 0.82 0.61	10.84 9.25 9.22 8.99 8.94 8.84	1 1 1 1
14	Calmodulin-binding Hormone Cyclin	49 520 338 133	299.63 337.20 1229.00 221.13 422.71	0.53 0.70 0.96 0.90 0.59 0.87	9.34 8.98 8.34 7.57 7.24 7.18	1 1 1 1		8 9 10 11 12	C	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding	2884 1350 710 458 237 452 1090	558.88 182.95 1079.79 312.38 401.60 218.09 805.74	0.64 0.53 0.88 0.70 0.82 0.61 0.80	10.84 9.25 9.22 8.99 8.94 8.84 8.60	1 1 1 1 1 1
14 15	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor	49 520 338 133 115	299.63 337.20 1229.00 221.13 422.71 408.43	0.53 0.70 0.96 0.90 0.59 0.87 0.84	9.34 8.98 8.34 7.57 7.24 7.18 6.76	1 1 1 1 1 1		8 9 10 11 11 11 11 12 - 1/ 13	С	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity	2884 1350 710 458 237 452 1090 633	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15	1 1 1 1 1 1
14 15 16	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin	49 520 338 133 115 319	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40	1 1 1 1 1 1 1		8 9 10 11 11 12 13 14	C	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding	2884 1350 710 458 237 452 1090 633 1228	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73	1 1 1 1 1 1 1
14 15 16 17	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation	49 520 338 133 115	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35	0.53 0.70 0.96 0.90 0.59 0.87 0.84	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28	1 1 1 1 1 1		8 9 10 11 11 12 \(\frac{1}{1} \) 13 14 15	C	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se	2884 1350 710 458 237 452 1090 633	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58	1 1 1 1 1 1
14 15 16 17 18	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding	49 520 338 133 115 319 424 50	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09	1 1 1 1 1 1 1 1 1		8 9 10 11 11 11 12 1 13 14 15 16	C	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act	2884 1350 710 458 237 452 1090 633 1228 142 504	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26	1 1 1 1 1 1 1 1 1
14 15 16 17 18 19	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide	49 520 338 133 115 319 424 50	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99	1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 \(\frac{1}{1} \) 13 14 15 16 17		structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange	2884 1350 710 458 237 452 1090 633 1228 142 504	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26	1 1 1 1 1 1 1 1 1
14 15 16 17 18	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel	49 520 338 133 115 319 424 50	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10	1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 18 18 18 18 18 18 18	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit	2884 1350 710 458 237 452 1090 633 1228 142 504	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22	1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel	49 520 338 133 115 319 424 50 105 191	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09	1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 \(\frac{1}{1} \) 13 14 15 16 17 18 19	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding	2884 1350 710 458 237 452 1090 633 1228 142 504 575	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26	1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel	49 520 338 133 115 319 424 50 105 191 193 64	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 17 18 19 19 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.83 0.76	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase	49 520 338 133 115 319 424 50 105 191 193 64 376	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 18 19 19 19 19 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86 0.83 0.76 0.65	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen	49 520 338 133 115 319 424 50 105 191 193 64 376 137	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.68	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 17 18 19 19 19 19 19 19 19	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86 0.83 0.76 0.65 0.97	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.68 0.76	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 17 18 19 19 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.68 0.76 0.73	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 17 18 19 19 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.77 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.80	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 17 18 19 19 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.77 0.86 0.86 0.83 0.76 0.65 0.97 0.80 0.79	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.68 0.76 0.73 0.73	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81 3.80	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 18 19 19 19 19 19 19 19	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity potassium channel activity damaged DNA binding growth factor binding chloride channel inhibitor	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.96	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73 0.73 0.77	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 18 19 12 12 12 12 12 12 12	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86 0.65 0.97 0.63 0.79 0.80 0.79 0.80	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.54	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide Helicase	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49 739	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80 1086.05	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73 0.73 0.77 0.53 0.87	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.09 5.07 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 11 12 13 14 15 16 17 18 19 19 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity morphogen activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327 23	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13 331.57	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.80 0.77 0.86 0.86 0.65 0.97 0.63 0.79 0.80 0.79 0.80 0.79	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.54 3.20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide Helicase Prion	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49 739 22	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80 1086.05 497.05	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73 0.73 0.77 0.53 0.87	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34 3.29 3.06	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24 25 26 27 28 29 29 29 29 29 29 29	5	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity helicase activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327 23 766	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13 331.57 1068.02	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.80 0.79 0.80 0.79	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.54 3.20 3.15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide Helicase Prion Ion channel	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49 739 22 1027	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80 1086.05 497.05 861.88	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73 0.77 0.53 0.87	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34 3.29 3.06 2.89	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 18 19 10 17 18 19 10 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity helicase activity morphogen activity motor activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327 23 766 447	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13 331.57 1068.02 1275.57	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.80 0.79 0.96 0.86 0.83 0.86 0.83	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.54 3.10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide Helicase Prion Ion channel Voltage-gated channel	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49 739 22 1027 386	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80 1086.05 497.05 861.88 816.98	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.68 0.76 0.73 0.73 0.77 0.53 0.87 0.91 0.76 0.78	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34 3.29 3.06 2.89 2.87	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 17 18 19 19 19 19 19 19 19	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity morphogen activity helicase activity voltage-gated ion channel a	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327 23 766 447 501	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13 331.57 1068.02 1275.57 767.73	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.80 0.79 0.80 0.79 0.80 0.79 0.80 0.79 0.80 0.77	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.15 3.10 3.06	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Calmodulin-binding Hormone Cyclin Signal transduction inhibitor Guanine-nucleotide releasin GTPase activation Growth factor binding Neuropeptide Potassium channel Calcium channel Protein phosphatase inhibitor Tyrosine-protein kinase Mitogen Vasoactive Heparin-binding Muscle protein Actin-binding Amphibian defense peptide Helicase Prion Ion channel	49 520 338 133 115 319 424 50 105 191 193 64 376 137 46 221 193 837 49 739 22 1027	299.63 337.20 1229.00 221.13 422.71 408.43 1144.39 867.35 593.98 234.96 621.52 1397.77 352.86 863.00 286.03 267.00 650.97 920.01 974.92 85.80 1086.05 497.05 861.88	0.53 0.70 0.96 0.90 0.59 0.87 0.84 0.96 0.88 1 0.68 0.85 0.93 0.81 0.89 0.68 0.76 0.73 0.77 0.53 0.87	9.34 8.98 8.34 7.57 7.24 7.18 6.76 6.40 6.28 6.09 5.99 5.10 5.09 5.07 5.04 4.80 4.29 3.88 3.81 3.80 3.34 3.29 3.06 2.89	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 9 10 11 12 13 14 15 16 17 18 19 10 17 18 19 10 10 10 10 10 10 10	£	structural molecule activity structural constituent of r calmodulin binding growth factor activity protein kinase inhibitor ac hormone activity cell adhesion molecule binding GTPase activator activity actin binding cyclin-dependent protein se protein tyrosine kinase act guanyl-nucleotide exchange protein phosphatase inhibit heparin binding neuropeptide hormone activity microtubule motor activity enzyme inhibitor activity damaged DNA binding growth factor binding chloride channel inhibitor calcium channel activity helicase activity morphogen activity motor activity	2884 1350 710 458 237 452 1090 633 1228 142 504 575 89 403 117 225 1059 339 284 351 25 327 23 766 447	558.88 182.95 1079.79 312.38 401.60 218.09 805.74 820.60 1000.47 357.65 933.02 990.55 425.83 652.76 158.64 1394.78 462.66 612.39 680.80 737.85 827.64 1205.13 331.57 1068.02 1275.57	0.64 0.53 0.88 0.70 0.82 0.61 0.80 0.87 0.86 0.86 0.83 0.76 0.65 0.97 0.63 0.79 0.80 0.79 0.96 0.86 0.83 0.86 0.83	10.84 9.25 9.22 8.99 8.94 8.84 8.60 8.15 7.73 6.58 6.26 6.22 6.19 6.01 5.88 5.65 5.60 4.88 4.31 4.20 3.96 3.54 3.10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1