

| 20 MF ključnih reči sa najznačajnijom predviđenom neuređenošću (org. 2007) | | | | | | |
|--|-------------------------------|---------------|-------------------|----------------|----------------|----------------|
| # | <i>name</i> | <i>n prot</i> | <i>n families</i> | <i>avg_len</i> | <i>Z-score</i> | <i>P-value</i> |
| 0 | Ribonucleoprotein | 12236 | 412 | 150.55 | 22.13 | 1 |
| 1 | Ribosomal protein | 11692 | 330 | 140.58 | 20.63 | 1 |
| 2 | Developmental protein | 3260 | 721 | 477.93 | 19.28 | 1 |
| 3 | Hormone | 1187 | 161 | 141.13 | 15.58 | 1 |
| 4 | Growth factor | 785 | 84 | 255.70 | 11.16 | 1 |
| 5 | Cytokine | 899 | 110 | 213.28 | 10.21 | 1 |
| 6 | Neuropeptide | 268 | 209 | 95.08 | 9.65 | 1 |
| 7 | Activator | 3086 | 573 | 428.47 | 9.04 | 1 |
| 8 | GAP protein | 47 | 2 | 232.96 | 7.42 | 1 |
| 9 | Antigen | 1113 | 455 | 437.48 | 6.99 | 1 |
| 10 | Repressor | 2309 | 449 | 374.46 | 6.92 | 1 |
| 11 | Chromatin regulator | 334 | 100 | 801.24 | 6.70 | 1 |
| 12 | Pyrogen | 37 | 2 | 262.59 | 6.44 | 1 |
| 13 | Vasoactive | 125 | 39 | 160.39 | 5.56 | 1 |
| 14 | Amphibian defense peptide | 123 | 148 | 50.64 | 5.44 | 1 |
| 15 | GTPase activation | 311 | 70 | 831.03 | 5.36 | 1 |
| 16 | Endorphin | 42 | 4 | 226.68 | 5.35 | 1 |
| 17 | Opioid peptide | 24 | 4 | 216.96 | 5.14 | 1 |
| 18 | Protein phosphatase inhibitor | 47 | 8 | 366.51 | 5.07 | 1 |
| 19 | Cyclin | 182 | 25 | 430.58 | 4.88 | 1 |

| Predviđeno neuređene MF ključne reči iz ovog rada (z-skor > 0.2) | | | | | | |
|--|--------------------------------|----------|----------------|----------------|----------|----------|
| # | <i>name</i> | <i>n</i> | <i>avg_len</i> | <i>avg_dis</i> | <i>z</i> | <i>p</i> |
| 0 | DNA-binding | 6518 | 546.53 | 0.87 | 46.90 | 1 |
| 1 | Developmental protein | 3897 | 655.21 | 0.86 | 31.10 | 1 |
| 2 | Activator | 2574 | 600.51 | 0.88 | 28.12 | 1 |
| 3 | Repressor | 1988 | 589.29 | 0.85 | 22.63 | 1 |
| 4 | RNA-binding | 2728 | 575.76 | 0.76 | 16.62 | 1 |
| 5 | Chromatin regulator | 1038 | 847.06 | 0.90 | 13.91 | 1 |
| 7 | Serine/threonine-protein ki... | 1782 | 802.24 | 0.84 | 11.56 | 1 |
| 8 | Chaperone | 937 | 430.43 | 0.71 | 10.02 | 1 |
| 9 | Ribosomal protein | 1408 | 186.38 | 0.53 | 9.34 | 1 |
| 10 | Growth factor | 398 | 299.63 | 0.70 | 8.98 | 1 |
| 11 | Protein kinase inhibitor | 49 | 337.20 | 0.96 | 8.34 | 1 |
| 12 | Calmodulin-binding | 520 | 1229.00 | 0.90 | 7.57 | 1 |
| 13 | Hormone | 338 | 221.13 | 0.59 | 7.24 | 1 |
| 14 | Cyclin | 133 | 422.71 | 0.87 | 7.18 | 1 |
| 15 | Signal transduction inhibitor | 115 | 408.43 | 0.84 | 6.76 | 1 |
| 16 | Guanine-nucleotide releasin... | 319 | 1144.39 | 0.96 | 6.40 | 1 |
| 17 | GTPase activation | 424 | 867.35 | 0.88 | 6.28 | 1 |
| 18 | Growth factor binding | 50 | 593.98 | 1 | 6.09 | 1 |
| 19 | Neuropeptide | 105 | 234.96 | 0.68 | 5.99 | 1 |
| 20 | Potassium channel | 191 | 621.52 | 0.85 | 5.10 | 1 |
| 21 | Calcium channel | 193 | 1397.77 | 0.93 | 5.09 | 1 |
| 22 | Protein phosphatase inhibitor | 64 | 352.86 | 0.81 | 5.07 | 1 |
| 23 | Tyrosine-protein kinase | 376 | 863.00 | 0.89 | 5.04 | 1 |
| 24 | Mitogen | 137 | 286.03 | 0.68 | 4.80 | 1 |
| 25 | Vasoactive | 46 | 267.00 | 0.76 | 4.29 | 1 |
| 26 | Heparin-binding | 221 | 650.97 | 0.73 | 3.88 | 1 |
| 27 | Muscle protein | 193 | 920.01 | 0.73 | 3.81 | 1 |
| 28 | Actin-binding | 837 | 974.92 | 0.77 | 3.80 | 1 |
| 29 | Amphibian defense peptide | 49 | 85.80 | 0.53 | 3.34 | 1 |
| 30 | Helicase | 739 | 1086.05 | 0.87 | 3.29 | 1 |
| 31 | Prion | 22 | 497.05 | 0.91 | 3.06 | 1 |
| 32 | Ion channel | 1027 | 861.88 | 0.76 | 2.89 | 1 |
| 33 | Voltage-gated channel | 386 | 816.98 | 0.78 | 2.87 | 1 |
| 34 | Viral nucleoprotein | 39 | 1202.79 | 0.90 | 2.46 | 1 |
| 35 | Tumor antigen | 26 | 428.81 | 0.77 | 2.25 | 0.99 |
| 36 | Exonuclease | 239 | 725.99 | 0.75 | 2.19 | 0.99 |
| 37 | Segmentation polarity protein | 24 | 712.75 | 0.92 | 2.17 | 0.99 |

| Predviđeno neuređeni MF termini dobijeni iz direktnog i izvedenog mapiranja | | | | | | |
|---|--------------------------------|----------|----------------|----------------|----------|----------|
| # | <i>name</i> | <i>n</i> | <i>avg_len</i> | <i>avg_dis</i> | <i>z</i> | <i>p</i> |
| 0 | DNA binding | 8254 | 574.89 | 0.86 | 46.13 | 1 |
| 1 | sequence-specific DNA binding | 3836 | 536.95 | 0.92 | 41.77 | 1 |
| 2 | chromatin binding | 1538 | 713.64 | 0.93 | 23.54 | 1 |
| 3 | RNA binding | 5797 | 565.80 | 0.73 | 19.79 | 1 |
| 4 | receptor binding | 4109 | 529.68 | 0.68 | 14.04 | 1 |
| 5 | protein serine/threonine ki... | 1942 | 784.87 | 0.84 | 12.88 | 1 |
| 6 | structural molecule activity | 2884 | 558.88 | 0.64 | 10.84 | 1 |
| 7 | structural constituent of r... | 1350 | 182.95 | 0.53 | 9.25 | 1 |
| 8 | calmodulin binding | 710 | 1079.79 | 0.88 | 9.22 | 1 |
| 9 | growth factor activity | 458 | 312.38 | 0.70 | 8.99 | 1 |
| 10 | protein kinase inhibitor ac... | 237 | 401.60 | 0.82 | 8.94 | 1 |
| 11 | hormone activity | 452 | 218.09 | 0.61 | 8.84 | 1 |
| 12 | cell adhesion molecule binding | 1090 | 805.74 | 0.80 | 8.60 | 1 |
| 13 | GTPase activator activity | 633 | 820.60 | 0.87 | 8.15 | 1 |
| 14 | actin binding | 1228 | 1000.47 | 0.80 | 7.73 | 1 |
| 15 | cyclin-dependent protein se... | 142 | 357.65 | 0.77 | 6.58 | 1 |
| 16 | protein tyrosine kinase act... | 504 | 933.02 | 0.86 | 6.26 | 1 |
| 17 | guanyl-nucleotide exchange ... | 575 | 990.55 | 0.86 | 6.22 | 1 |
| 18 | protein phosphatase inhibit... | 89 | 425.83 | 0.83 | 6.19 | 1 |
| 19 | heparin binding | 403 | 652.76 | 0.76 | 6.01 | 1 |
| 20 | neuropeptide hormone activity | 117 | 158.64 | 0.65 | 5.88 | 1 |
| 21 | microtubule motor activity | 225 | 1394.78 | 0.97 | 5.65 | 1 |
| 22 | enzyme inhibitor activity | 1059 | 462.66 | 0.63 | 5.60 | 1 |
| 23 | potassium channel activity | 339 | 612.39 | 0.79 | 4.88 | 1 |
| 24 | damaged DNA binding | 284 | 680.80 | 0.80 | 4.31 | 1 |
| 25 | growth factor binding | 351 | 737.85 | 0.79 | 4.20 | 1 |
| 26 | chloride channel inhibitor ... | 25 | 827.64 | 0.96 | 3.96 | 1 |
| 27 | calcium channel activity | 327 | 1205.13 | 0.86 | 3.54 | 1 |
| 28 | morphogen activity | 23 | 331.57 | 0.83 | 3.20 | 1 |
| 29 | helicase activity | 766 | 1068.02 | 0.86 | 3.15 | 1 |
| 30 | motor activity | 447 | 1275.57 | 0.86 | 3.10 | 1 |
| 31 | voltage-gated ion channel a... | 501 | 767.73 | 0.76 | 3.06 | 1 |
| 32 | rRNA binding | 541 | 266.55 | 0.52 | 3.00 | 1 |
| 33 | calcium ion binding | 1878 | 859.00 | 0.70 | 2.80 | 1 |
| 34 | RNA-directed DNA polymerase... | 75 | 1427.97 | 0.97 | 2.72 | 1 |
| 35 | kinase activity | 3593 | 726.02 | 0.71 | 2.70 | 1 |
| 36 | ATP-dependent helicase acti... | 455 | 926.44 | 0.84 | 2.48 | 1 |
| 37 | exonuclease activity | 371 | 749.41 | 0.75 | 2.40 | 0.99 |
| 38 | translation initiation fact... | 268 | 482.02 | 0.65 | 1.99 | 0.97 |
| 39 | acetylcholine-gated cation-... | 60 | 504.17 | 0.75 | 1.99 | 0.99 |
| 40 | metalloendopeptidase inhibi... | 40 | 323.35 | 0.65 | 1.86 | 0.98 |
| 41 | cysteine-type endopeptidase... | 153 | 424.63 | 0.58 | 1.48 | 0.95 |