

Supplementary material

SVMProt predicted functional classes of selected proteins of unknown function. These proteins are either without a homolog or without functional indication in Swissprot or NR database as of September 2004.

Protein (SwissProt AC number) [ORGANISM]	Database without Homolog or Reported Functional Indication	Functional Status	Number of amino acids	Functional class predicted by SVMPROT
Hypothetical protein (Q74FX6) [Geobacter sulfurreducens]	SwissProt	without functional indication	386	EC 3.6. Hydrolases Acting on Acid Anhydrides (94.7%); EC 5.4. Intramolecular Transferases (65.4%); EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (65.4%);
Hypothetical protein LT.09 (Q95Z87) [Leishmania major]	NR	no homolog	1864	EC 3.6. Hydrolases Acting on Acid Anhydrides (92.9%); EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (73.8%); EC 4.3. Carbon-Nitrogen Lyases (73.8%); EC 1.16. Oxidoreductases - Oxidising metal ions (58.6%); Outer membrane (58.6%);
Hypothetical protein (Q83YN8) [Pseudomonas syringae pv. delphinii]	SwissProt	without functional indication	281	EC 1.1. Oxidoreductases Acting on the CH-OH group of donors (94.7%); EC 2.4. Glycosyltransferases (92.9%); Outer membrane (58.6%);
Hypothetical protein (Q7XH80) [Oryza sativa]	SwissProt	without functional indication	346	EC 1.1: Oxidoreductases Acting on the CH-OH group of donors (92.9%); Transmembrane (91.3%); EC 3.1. Hydrolases - Acting on Ester Bonds (82.2%); EC 4.99: Lyases - Other Lyases (58.6%);
Hypothetical protein B1104G07.4-2 (Q6Z5Z5) [Oryza sativa]	SwissProt	without functional indication	556	EC 2.7: Transferases - Transferring Phosphorus-Containing Groups (99.1%);

Hypothetical protein OSJNBa0010I09.2 7 (Q8S7H1) [Oryza sativa]	SwissProt	without functional indication	329	EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (99.0%); EC 3.1. Hydrolases - Acting on Ester Bonds (97.3%); EC 5.4. Intramolecular Transferases (82.2%); EC 2.4. Glycosyltransferases (65.4%); Outer membrane (58.6%);
Hypothetical protein (Q7RWP4) [Neurospora crassa]	SwissProt	without functional indication	856	EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (99.0%); DNA-binding Proteins (85.4%);
Hypothetical protein K07E3.2 (Q21287) [Caenorhabditis elegans]	NR	no homolog	837	EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (99.0%); DNA-binding Proteins (73.8%);
Hypothetical protein F28O9.50 (Q9M2M7) [Arabidopsis thaliana]	SwissProt	without functional indication	439	EC 2.7. Transferases - Transferring Phosphorus-Containing Groups (98.9%); DNA-binding Proteins (97.5%); EC 3.1. Hydrolases - Acting on Ester Bonds (89.3%); EC 2.4. Glycosyltransferases (62.2%);