Predicted ATPase (AAA+ superfamily)
Predicted membrane-bound metal-dependent hydrolases
Predicted SAM-dependent methyltransferase
Predicted membrane protein/domain
Uncharacterized protein conserved in bacteria containing a pentein-type domain
Phage-related protein
Uncharacterized secreted protein
Uncharacterized stress-induced protein
Protein involved in sex pheromone biosynthesis
Predicted ATPase
Isopenicillin N synthetase and related dioxygenases
Predicted unusual protein kinase
Uncharacterized homolog of PSP1
Predicted membrane protein
Predicted integral membrane protein
FOG-TPR repeat, SEL1 subfamily
Predicted nucleoside-diphosphate sugar epimerase
Predicted membrane-associated, metal-dependent hydrolase
Metal-dependent hydrolases of the beta-lactamase superfamily I
ATPase components of various ABC-type transport systems, contain duplicated ATPase
Predicted sulfurtransferase
MoxR-like ATPases
Uncharacterized conserved protein
Predicted permease
Lhr-like helicases
Uncharacterized proteins of the AP superfamily
Predicted metal-dependent hydrolase of the TIM-barrel fold
Predicted deacylase
Uncharacterized protein with a von Willebrand factor type A (vWA) domain
Metal-dependent hydrolase
Predicted Zn-dependent peptidases
Predicted methyltransferase
Exopolyphosphatase-related proteins
Uncharacterized membrane protein (homolog of Drosophila rhomboid)
Predicted GTPase
Uncharacterized homolog of plant Tojap protein
Zn-dependent hydrolases, including glyoxylases
Putative Zn-dependent protease, contains TPR repeats
Uncharacterized protein SCO1/SenC/PrrC, involved in biogenesis of respiratory and photosynthetic systems
Uncharacterized protein conserved in bacteria
Uncharacterized protein related to plant photosystem II stability/ assembly factor
Predicted glycosyltransferases
Hemolysins and related proteins containing CBS domains
Predicted hydrolases or acyltransferases (alpha/beta hydrolase superfamily)
Predicted permeases
FOG-CBS domain
Acetyltransferases
ABC-type (unclassified) transport system, ATPase component
Predicted exporters of the RND superfamily
ATPase components of ABC transporters with duplicated ATPase domains
DNA uptake lipoprotein
Predicted esterase of the alpha-beta hydrolase superfamily
Dioxygenases related to 2-nitropropane dioxygenase
Beta-propeller domains of methanol dehydrogenase type
Predicted Fe-S oxidoreductases
Uncharacterized conserved protein (some members contain a von Willebrand factor type A (vWA) domain)
Predicted nucleotide-utilizing enzyme related to methylglucose-biosynthesis enzyme MosA
Predicted O-methyltransferase
Predicted GTPases
Putative hemolysin
Large extracellular alpha-helical protein
Membrane protein involved in the export of O-antigen and teichoic acid
Predicted periplasmic solute-binding protein
Predicted S-adenosylmethionine-dependent methyltransferase
Zn-ribbon protein, possibly nucleic acid-binding
Predicted Zn-dependent protease
Predicted ester cyclase
GTPase
Predicted Fe-S-cluster redox enzyme
Uncharacterized protein related to glutamine synthetase
GTPases
FOG-TPR repeat
Predicted ATPases of PP-loop superfamily
Zn-dependent alcohol dehydrogenases
Predicted membrane-associated Fe-S cluster redox enzyme
Predicted phosphonylases
Predicted dehydrogenases and related proteins
ABC-type uncharacterized transport system, ATPase component
Predicted HD superfamily hydrolase
Predicted aminopeptidase
Predicted esterase
Pirin-related protein
Predicted phosphoesterase
HD superfamily phosphohydrolase
Predicted hydrolase of the alpha/beta-hydrolase fold
Type II secretory pathway, component PulD
Bacterial surface proteins containing Ig-like domains
Flagellar motor protein
Muramidase (flagellum-specific)
Nucleotide-binding protein implicated in inhibition of septum formation
Actin-like ATPase involved in cell morphogenesis
Cell division GTPase
Membrane-bound metallopeptidase
Septum formation initiator
ATPases involved in chromosome partitioning
Chromosome segregation ATPases
Cell division protein
Bacterial cell division membrane protein
Regulator of cell morphogenesis and NO signaling
Signal recognition particle GTPase
Biopolymer transport protein
Biopolymer transport proteins
Signal peptidase I
Sec-independent protein secretion pathway component TatC
Membrane GTPase LepA
Preprotein translocase subunit YidC
Preprotein translocase subunit SecF
Lipid A disaccharide synthetase
Cell division protein FtsI/ penicillin-binding protein 2
Glycosyltransferases involved in cell wall biogenesis
Nucleoside-diphosphate-sugar epimerases
Membrane-fusion protein
ADP-heptose-LPS heptosyltransferase
Cell shape-determining protein
Tetraacyldisaccharide-1-P 4'-kinase
Outer membrane protein
Glycosyltransferase
Lauroyl/ myristoyl acyltransferase
Membrane-carboxypeptidase (penicillin-binding protein)
UDP-N-acetylmuramate dehydrogenase
UDP-3-O-acyl-N-acetylglucosamine deacetylase
UDP-N-acetylglucosamine--LPS N-acetylglucosamine transferase
Outer membrane protein and related peptidoglycan-associated (lipo)proteins
UDP-N-acetyl-D-mannosaminuronate dehydrogenase
Outer membrane protein/ protective antigen OMA87
UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase
Predicted memarg GTPase involved in stress response
Larger-conductance mechanosensitive channel
cAMP-binding proteins-catabolite gene activator and regulatory subunit of cAMP-dependent protein kinases
Signal transduction histidine kinase involved in nitrogen fixation and metabolism regulation
D-alanine-D-alanine ligase and related ATP-grasp enzymes
Sialic acid synthase
Bacteriophytochrome (light-regulated signal transduction histidine kinase)
Response regulator containing CheY-like receiver, AAA-type ATPase, and DNA-binding domains
Response regulators consisting of a CheY-like receiver domain and a winged-helix DNA-binding domain
Signal transduction histidine kinase
Response regulator containing a CheY-like receiver domain and an HTH DNA-binding domain
DnaK suppressor protein
Universal stress protein UspA and related nucleotide-binding proteins
Protein-tyrosine-phosphatase
Protein tyrosine/ serine phosphatase
DNA-binding transcriptional activator of the AraC/XylS family
Predicted periplasmic ligand-binding sensor domain
Predicted signal transduction protein with a C-terminal ATPase domain
Predicted ATPase related to phosphate-starvation-inducible protein PhoH, predicted ATPase
Phosphate starvation-inducible protein PhoH, predicted ATPase
ABC-type transport system involved in lipoprotein release, permease component
Predicted UDP-glucose G-dehydrogenase
Predicted nucleoside-diphosphate sugar epimerases
UDP-N-acetylmuramoyl-tripeptide synthetase
UDP-N-acetylglucosamine enolpyruvyltransferase
CMP-2-keto-3-deoxyoctulosonic acid synthetase
Glutamine cyclotransferase
Thioredoxin reductase
FKBP-type peptidyl-prolyl cis-trans isomerases 1
ATPases with chaperone activity, ATP-binding subunit
ATP-dependent Lon protease, bacterial type
Predicted redox protein, regulator of disulfide bond formation
Molecular chaperone, HSP90 family
Subtilisin-like serine proteases
Chaperonin GroEL (HSP60 family)
Uncharacterized protein conserved in bacteria
Thiol-disulfide isomerases and thioredoxins
Parvulin-like peptidyl-prolyl isomerase
Peroxiredoxin
Cbb3-type cytochrome oxidase, subunit 1
Membrane-protease subunit, stomatin/ prohibitin homolog
ATP-dependent protease ClpP, ATPase subunit
Protein-L-isoaspartate carboxylmethyltransferase
Molecular chaperone
Deoxyribose-phosphate aldolase
Deoxyribose-phosphate aldolase
Thiol-disulfide interchange protein
Peptide methionine sulfoxide reductase
ABC-type transport system involved in Fe-S cluster assembly, ATPase component
ATP-dependent Zn proteases
Periplasmic protease
Organic radical activating enzymes
Cation/ multidrug efflux pump
Multidrug resistance efflux pump
ABC-type bacteriocin/lantibiotic exporters, contain an N-terminal double-glycine peptidase domain
ABC-type antimicrobial peptide transport system, ATPase and permease components
ABC-type antimicrobial peptide transport system, ATPase component
Phosphoglycerol transferase and related proteins, alkaline phosphatase superfamily
UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase
Outer membrane protein and related peptidoglycan-associated (lipo)proteins
Outer membrane protein/ protective antigen OMA87
Glycosyltransferase
Nucleoside-diphosphate-sugar epimerases
Membrane proteins related to metalloendopeptidases
Glycosyltransferases involved in cell wall biogenesis
Lipoprotein signal peptidase
UDP-N-acetylglucosamine 2-epimerase
Predicted membrane-associated Zn-dependent proteases 1
Periplasmic protein involved in polysaccharide export
Small-conductance mechanosensitive channel
UDP-glucose 4-epimerase
Glycosyltransferases probably involved in cell wall biogenesis
dTDP-4-dehydrorhamnose 3,5-epimerase and related enzymes
Predicted S-adenosylmethionine-dependent methyltransferase involved in bacterial cell division
Proliposprotein diacylglyceryltransferase
Outer membrane protein W
Predicted membrane protein
Sterol desaturase
Fatty acid desaturase
Biotin carboxyl carrier protein
Acyl-CoA hydrolase
Acyl-CoA thioesterase
Enoyl-CoA hydratase/ carnithine racemase
3-oxoacyl-[acyl-carrier-protein] synthase III
3-hydroxyacyl-CoA dehydrogenase
Acetyl-CoA acetyltransferase
Acyl-CoA dehydrogenases
Isopentenyl-diphosphate delta-isomerase
Acetyl-CoA carboxylase, biotin carboxylase subunit
Mevalonate pyrophosphate decarboxylase
Phosphomevalonate kinase
Predicted ATPase involved in cell division
Predicted ATPase of the PP-loop superfamily implicated in cell cycle control
DNA segregation ATPase, FtsK/SpoIIIE and related proteins
Dehydrogenases with different specificities (related to short-chain alcohol dehydrogenases)
Undecaprenyl pyrophosphate synthase
CDP-diglyceride synthetase
Phytoene/ squalene synthetase
Acetyl-CoA carboxylase alpha subunit
Mevalonate pyrophosphate decarboxylase
Biotin carboxylase
1-acyl-sn-glycerol-3-phosphate acyltransferase
Long-chain acyl-CoA synthetases (AMP-forming)
Enoyl-[acyl-carrier-protein] reductase (NADH)
3-oxoacyl-[acyl-carrier-protein] synthase
(acyl-carrier-protein) S-malonyltransferase
Adenine/guanine phosphoribosyltransferases and related PRPP-binding proteins
Dihydroorotase and related cyclic amidohydrolases
Deoxycytidylate deaminase
Ribonucleotide reductase, beta subunit
Adenylate kinase and related kinases
Uridine kinase
Guanylate kinase
Adenylosuccinate synthase
Predicted metal-dependent hydrolase of the TIM-barrel fold
Phosphoribosylformylglycinamidine (FGAM) synthase, synthetase domain
Predicted esterase
Predicted dehydrogenases and related proteins
Predicted metal-dependent hydrolase of the archaeal Holliday junction resolvase, RuvX/YqgF family
Predicted aminopeptidase
Pirin-related protein
Predicted phosphoesterase
Predicted hydrolase of the alpha/beta-hydrolase fold
Phosphoribosylformylglycinamidine (FGAM) synthase, synthetase domain
Predicted membrane protein
Predicted protein
Phosphoribosylglycinamide formyltransferase 1, N-terminal domain (GAR transformylase 1)
Phosphoribosylglycinamide formyltransferase 2 (GAR transformylase 2)
Phosphoribosylaminoimidazole carboxylase, ATPase subunit (PurK)
Phosphoribosylaminoimidazole carboxylase, catalytic subunit (PurE)
Phosphoribosylaminoimidazole-succinocarboxamide synthase
Phosphoribosylaminoimidazole-succinocarboxamide synthase
Phosphoribosylaminoimidazole-succinocarboxamide synthase