

GEM: Firmicutes

Pathway Features

- Uncharacterized conserved protein, DUF1919 family
- ABC-type methionine transport system, permease component
- Antitoxin component YafN of the YafNO toxin-antitoxin module, PHD/YefM family
- Uncharacterized conserved protein YjbJ, UPF0337 family
- Nitrogen regulatory protein PII
- Type IV pilus assembly protein PilE
- 5-methylcytosine-specific restriction endonuclease McrA
- Fe-S cluster assembly scaffold protein SufB
- Ribosomal protein L7/L12
- Lipid A disaccharide synthetase
- Transcriptional regulator of NAD metabolism, contains HTH and 3H domains
- Thioesterase domain of type I polyketide synthase or non-ribosomal peptide synthetase
- Predicted ABC-type exoprotein transport system, permease component
- ABC-type transport system involved in lipoprotein release, permease component LolC
- Capsule polysaccharide modification protein KpsS
- Exoribonuclease R
- Intracellular sulfur oxidation protein, DsrE/DsrF family
- PII-like signaling protein
- tRNA A37 threonylcarbamoyltransferase TsaD
- Transposase (or an inactivated derivative), DDE domain
- Fe2+ transport protein FeoA
- Predicted ferric reductase
- Chagasin-like inhibitor of cysteine peptidase, I42 family
- 6-phosphogluconate dehydrogenase
- Mg2+ and Co2+ transporter CorB, contains DUF21, CBS pair, and CorC-HlyC domains
- Ribosomal protein S9
- Phenylalanyl-tRNA synthetase alpha subunit
- DNA-directed RNA polymerase specialized sigma subunit, sigma54 homolog
- Cadmium resistance protein CadD, predicted permease
- Bacteriophage protein gp37
- Molybdopterin-binding protein MopI
- D-aminoacyl-tRNA deacylase
- Putative heme iron utilization protein, contains PNPOx domain
- Translation elongation factor EF-Tu, a GTPase
- Extracellular (periplasmic) sensor domain CHASE (specificity unknown)
- ABC-type sugar transport system, ATPase component MalK
- Replicative superfamily II helicase
- Peptide deformylase
- Uncharacterized protein, contains DUF2185 domain
- Xanthine/guanine/uracil/vitamin C permease GhxP/GhxQ, nucleobase:cation symporter 2 ( NCS2) family
- Preprotein translocase subunit SecE
- 3-dehydroquinate synthase, class II
- Long-chain fatty acid transport protein
- Periplasmic component TolB of the Tol biopolymer transport system
- Cys-tRNA(Pro) deacylase, prolyl-tRNA editing enzyme YbaK/EbsC
- Cupin domain protein related to quercetin dioxygenase
- Ribosomal protein S8
- Reactive chlorine resistance protein RclC/YkgB, DUF417 family
- Uncharacterized conserved protein, DUF2345 family
- Type IV pilus assembly protein, ATPase PilU

