

GEM: Proteobacteria

Pathway Features

- Nucleoid-associated protein YlxR, Predicted RNA-binding, DUF448 family
- Restriction endonuclease S subunit
- Periplasmic component TolB of the Tol biopolymer transport system
- Predicted type IV restriction endonuclease
- dGTP triphosphohydrolase
- Type II secretory pathway, component PulM
- Uncharacterized conserved protein, UPF0160 family
- RecB family exonuclease
- Predicted Fe-Mo cluster-binding protein, NifX family
- Archaeal adenylate kinase
- Uncharacterized conserved protein, DUF2000 domain
- Holliday junction resolvase RuvABC endonuclease subunit RuvC
- Uncharacterized membrane protein YecN, MAPEG domain
- Na⁺-translocating membrane potential-generating system subunit MpsB, UPF0753/DUF2309 family
- Cytochrome b subunit of the bc complex
- Preprotein translocase subunit SecB
- N-acetylmuramoyl-L-alanine amidase CwlA
- Type IV secretory pathway, VirB4 component
- L-fucose mutarotase/ribose pyranase, RbsD/FucU family
- ABC-type polysaccharide/polyol phosphate transport system, ATPase component
- Acetolactate synthase, small subunit
- DNA-binding transcriptional regulator, ArsR family
- Dienelactone hydrolase
- Glutamine synthetase adenylyltransferase
- Extracytoplasmic sensor domain CHASE3 (specificity unknown)
- Peptidoglycan hydrolase (amidase) enhancer domain SpoIID
- Twin-arginine protein secretion pathway component TatC
- Type II secretory pathway, component PulF
- DNA recombination-dependent growth factor RdgC
- Homoserine O-acetyltransferase
- Uncharacterized conserved protein, DUF1491 domain
- Patatin-like phospholipase/acyl hydrolase, includes sporulation protein CotR
- Endonuclease III
- Uncharacterized membrane protein AF0785, contains DUF389 domain
- Uncharacterized conserved protein, DUF2194 domain
- Type VI protein secretion system component TssA1/VasJ/EvfE, contains ImpA_N domain
- Transcriptional and/or translational regulatory protein YebC/TACO1
- FoF1-type ATP synthase, gamma subunit
- ATP phosphoribosyltransferase
- ABC-type protease/lipase transport system, ATPase and permease components
- sRNA-binding regulator protein Hfq
- Tryptophan synthase beta chain
- ATP-dependent Clp protease adapter protein ClpS
- Uncharacterized membrane protein, Fun14 family
- Uncharacterized conserved protein YqjF, DUF2071 family
- CRISPR-Cas system type III CSM-effector complex subunit Csm5, RAMP superfamily Cas7 group
- Transcriptional regulator NosR of nitric oxide reductase
- Valyl-tRNA synthetase
- Phage protein U
- Sphingosine uptake channel SphA-related outer membrane channel

