

GEM: Verrucomicrobiota

Pathway Features

- O-Glycosyl hydrolase
- Phage-related baseplate assembly protein
- CRISPR-Cas type I system-associated endonuclease/helicase Cas3
- CRISPR-Cas system-associated protein Csm6, contains CARF domain
- Methionine aminopeptidase
- Peptidoglycan/LPS O-acetylase OafA/Yrhl, contains acyltransferase and SGNH-hydrolase domains
- Lysophospholipase, alpha-beta hydrolase superfamily
- Arylamine N-acetyltransferase
- Ribosomal protein S1
- 5,10-methylenetetrahydrofolate reductase
- Nitric oxide response protein NnrS
- Mn-containing catalase (includes spore coat protein CotJC)
- Uncharacterized conserved protein, DUF1326 domain
- Uncharacterized membrane protein YbaN, DUF454 family
- Acyl-CoA hydrolase
- Soluble P-type ATPase
- Aspartate carbamoyltransferase, regulatory subunit
- Uncharacterized membrane protein YbjL, putative transporter
- Putative NADH-flavin reductase
- Urease accessory protein UreE
- RecB family exonuclease
- Uncharacterized conserved protein, DUF2213 domain
- 2,4-dienoyl-CoA reductase or related NADH-dependent reductase, Old Yellow Enzyme (OYE) family
- DNA-directed RNA polymerase, sigma subunit (sigma70/sigma32)
- Phosphoribosylformylglycinamidine (FGAM) synthase, synthetase domain
- Lysozyme family protein
- Glutamate racemase
- Uncharacterized membrane protein YtjA, UPF0391 family
- Aspartate kinase
- Glutamate mutase epsilon subunit
- Fumarate hydratase class II
- Deoxyxylulose-5-phosphate synthase
- Archaeal aspartate aminotransferase or a related aminotransferase, includes purine catabolism protein PucG
- Predicted Rossmann fold nucleotide-binding protein DprA/Smf involved in DNA uptake
- CRISPR/Cas system-associated exonuclease Cas4, RecB family
- 2Fe-2S ferredoxin
- Uncharacterized conserved protein YdgA, DUF945 family
- Small ligand-binding sensory domain FIST
- Single-stranded DNA-binding protein
- Formate hydrogenlyase subunit 6/NADH:ubiquinone oxidoreductase 23 kD subunit (chain I)
- 6,7-dimethyl-8-ribityllumazine synthase (Riboflavin synthase beta chain)
- Intermembrane transporter PqiABC lipoprotein subunit PqiC
- Flp pilus assembly protein CpaB
- N-acetylglutamate synthase or related acetyltransferase, GNAT family
- Uncharacterized conserved protein YcgG, contains conserved FPC and CPF motifs
- Adenine specific DNA methylase Mod
- Predicted transcriptional regulator
- Type IV secretory pathway, VirD4 component, TraG/TraD family ATPase
- 4-hydroxy-tetrahydrodipicolinate reductase
- ABC-type arginine/histidine transport system, permease component

