

# GEM: Chloroflexota

Pathway Features

Antitoxin component YwqK of the YwqJK toxin-antitoxin module  
 Flavorubredoxin  
 Glycerol kinase  
 Ni,Fe-hydrogenase I small subunit  
 2-keto-3-deoxy-galactonokinase  
 Predicted sugar epimerase, cupin superfamily  
 Arginine/lysine/ornithine decarboxylase  
 Phosphopantetheinyl transferase (holo-ACP synthase)  
 Methionine synthase I (cobalamin-dependent), methyltransferase domain  
 Transposase (or an inactivated derivative)  
 Serine protease inhibitor  
 Uncharacterized membrane protein YbaN, DUF454 family  
 5,10-methylenetetrahydrofolate reductase  
 Nicotinic acid phosphoribosyltransferase  
 Uncharacterized conserved protein YdeI, YjbR/CyaY-like superfamily, DUF1801 family  
 Transketolase, N-terminal subunit  
 Ribonuclease HIII  
 Ethanolamine transporter EutH, required for ethanolamine utilization at low pH  
 Omega-amidase YafV/Nit2, hydrolyzes alpha-ketoglutaramate  
 Na<sup>+</sup>/glutamate symporter  
 dsDNA-specific endonuclease/ATPase MutS2  
 Uncharacterized protein STM3548, contains class I glutamine amidotransferase domain  
 S-layer protein MJ0795, predicted component of type IV pili-like system  
 Uncharacterized conserved protein YraI  
 Carbon monoxide dehydrogenase subunit CoxG  
 Epoxyqueuosine reductase QueG (queuosine biosynthesis)  
 Putative Zn-dependent protease  
 Na<sup>+</sup>-transporting oxaloacetate/methylmalonyl-CoA decarboxylase, beta subunit  
 Uncharacterized conserved protein, DUF2237 family  
 Secreted virulence factor Yuke/EsxA, WXG100 family  
 Dihydroxyacid dehydratase/phosphogluconate dehydratase  
 Sulfite reductase, beta subunit (hemoprotein)  
 Uncharacterized lipoprotein YbaY  
 Uncharacterized protein CoxE, contains von Willebrand factor type A (vWA) domain  
 Ribosomal protein S6  
 Various environmental stresses-induced protein Ves (function unknown)  
 Two-component sensor histidine kinase, HisKA and HATPase domains  
 CO dehydrogenase/acetyl-CoA synthase delta subunit (corrinoid Fe-S protein)  
 Uncharacterized conserved protein YifN, PemK superfamily  
 Lysozyme inhibitor LprI  
 DNA-binding protein SpoVG, cell septation regulator  
 Primase-polymerase (Primpol) domain protein  
 TRAP-type C4-dicarboxylate transport system, periplasmic component  
 Predicted ribonuclease, toxin component of the YeeF-YezG toxin-antitoxin module  
 5'-3' exoribonuclease TrpH/YciV (RNase AM), contains PHP domain  
 Predicted RNase MK1237, contains PIN domain, UPF0278 family  
 Na<sup>+</sup>-transporting NADH:ubiquinone oxidoreductase, subunit NqrE  
 Na<sup>+</sup>-transporting NADH:ubiquinone oxidoreductase, subunit NqrC  
 Na<sup>+</sup>-transporting NADH:ubiquinone oxidoreductase, subunit NqrD  
 Na<sup>+</sup>-transporting NADH:ubiquinone oxidoreductase, subunit NqrB

