

Pathway Features

Vancomycin resistance protein YoaR (function unknown), contains peptidoglycan-binding and VanW domains
CTP:phosphocholine cytidyltransferase LicC
MHYT domain, NO-binding membrane sensor
Transposase and inactivated derivatives, IS1 family
Multidrug transporter EmrE and related cation transporters
Na+/panthothenate symporter
Intracellular sulfur oxidation protein, DsrE/DsrF family
Uncharacterized membrane protein YczE
Mu-like prophage host-nuclease inhibitor protein Gam
Aspartate ammonia-lyase
Phage-related protein, tail protein J
Pectate lyase
L-asparagine transporter or related permease
Predicted DNA-binding protein with 'double-wing' structural motif, MmcO/YjbR family
Lysine export protein LysO/YbjE, DUF340 family
L-lactate permease
Xanthine dehydrogenase, molybdopterin-binding subunit XdhB
Uncharacterized conserved protein Yjcr, contains N-terminal HTH domain
C4-dicarboxylate transporter DcuC
Response regulator c-di-GMP phosphodiesterase, RpfG family, contains REC and HD-GYP domains
Threonine/homoserine efflux transporter RhtA
Chitinase, GH19 family
Iron only hydrogenase large subunit, C-terminal domain
Polygalacturonase
Na+-driven multidrug efflux pump, DinF/NorM/MATE family
Ureidoglycine aminohydrolase
ABC-type protease/lipase transport system, ATPase and permease components
Capsule polysaccharide export protein KpsC/LpsZ
Antirestriction protein ArdA
Type III secretory pathway, EscT/YscT component
Chloramphenicol O-acetyltransferase
Na+/serine and Na+/threonine symporter SstT
Inactivated superfamily I helicase
Uncharacterized conserved protein YhaN, contains AAA domain
Predicted trehalose synthase
Crotonobetainyl-CoA:carnitine CoA-transferase CaiB and related acyl-CoA transferases
Amino acid permease
Virulence factor SrfC-related protein
Nucleoside 2-deoxyribosyltransferase
Mu-like prophage FluMu protein gp41
Isopentenylidiphosphate isomerase
ABC-type Zn2+ transport system, periplasmic component/surface adhesin ZnuA
Spore coat polysaccharide biosynthesis protein SpsG, predicted glycosyltransferase
Beta-lactamase class A
Predicted transcriptional regulator, contains ribbon-helix-helix (RHH_1) domain
Sulfur carrier protein ThiS (thiamine biosynthesis)
Holliday junction resolvase RuvABC DNA-binding subunit
Uncharacterized conserved protein YgiW, HAD superfamily
Citrate lyase synthetase CitC
Type III secretory pathway, EscS/YscS component
Recombinational DNA repair protein RecO (RecF pathway)
Membrane protein implicated in regulation of membrane protease activity
Membrane carboxypeptidase/penicillin-binding protein PbpC
Aromatic ring-opening dioxygenase, LigB subunit
Riboflavin transporter RibN, EamA domain
Methionyl-tRNA synthetase
REP element-mobilizing transposase RayT
Glycyl-tRNA synthetase, alpha subunit
Uncharacterized conserved protein, DUF505 domain
Holliday junction resolvase RuvABC endonuclease subunit RuvC
Pyrroline-5-carboxylate reductase
Uncharacterized membrane protein YgaE, UPF0421/DUF939 family
Uncharacterized membrane protein YccF, DUF307 family
Coproporphyrinogen-III oxidase HemN (oxygen-independent) or related Fe-S oxidoreductase
Arginine decarboxylase (spermidine biosynthesis)
Uncharacterized conserved protein, contains a Zn-finger-like domain
DNA mismatch repair protein MthH
DNA-directed RNA polymerase specialized sigma subunit, sigma54 homolog
Formate/nitrite transporter FocA, FNT family
Regulatory P domain of the subtilisin-like proprotein convertases and other proteases
ABC-type xylose transport system, permease component
Predicted phosphoadenosine phosphosulfate sulfurtransferase, contains C-terminal DUF3440 domain
Predicted RNase MK1237, contains PIN domain, UPF0278 family
Peptide methionine sulfoxide reductase MsrA
Fic family protein
Outer membrane protein chaperone/metalloprotease BepA/YfgC, contains M48 and TPR domains
Regulator of T6SS expression TagF, TagF/ImpM/SciT family (unrelated to teichoic acid polymerase TagF of B.subtilis, COG1887)
ABC-type methionine transport system, permease component
Putative Mn2+ efflux pump MntP
Uncharacterized conserved protein, DUF2000 domain
Uncharacterized conserved protein, DUF2126 family
Uncharacterized membrane protein YkvI
Cyclopropanoid cyclopropyl hydrolase, GyrI-like domain
Uncharacterized membrane protein YjdF
N-glycosidase YbiA/RibX (riboflavin biosynthesis, damage control), NADAR superfamily
Seryl-tRNA(Sec) selenium transferase
ABC-type sulfate transport system, permease component
7-methyl-GTP pyrophosphatase and related NTP pyrophosphatases, Maf/HAM1 superfamily
Phosphotransferase system, fructose-specific IIC component
Type IV pilus assembly protein, major pilin PilA
DNA topoisomerase I, ssDNA-binding Zn-finger and Zn-ribbon domains
Cobalamin biosynthesis cobaltochelataase CobT subunit
Predicted periplasmic lipoprotein
tRNA-Met C34-N4-acetylcytidine synthase TmcAL
ATP-dependent RNA circularization protein, DNA/RNA ligase (PAB1020) family
Phosphatidylglycerophosphatase A
Predicted metal-dependent peptidase
Site-specific recombinase XerC
Uncharacterized membrane permease YidK, sodium:solute symporter family
Copper homeostasis protein CutC
Virulence factor SrfB-related protein

