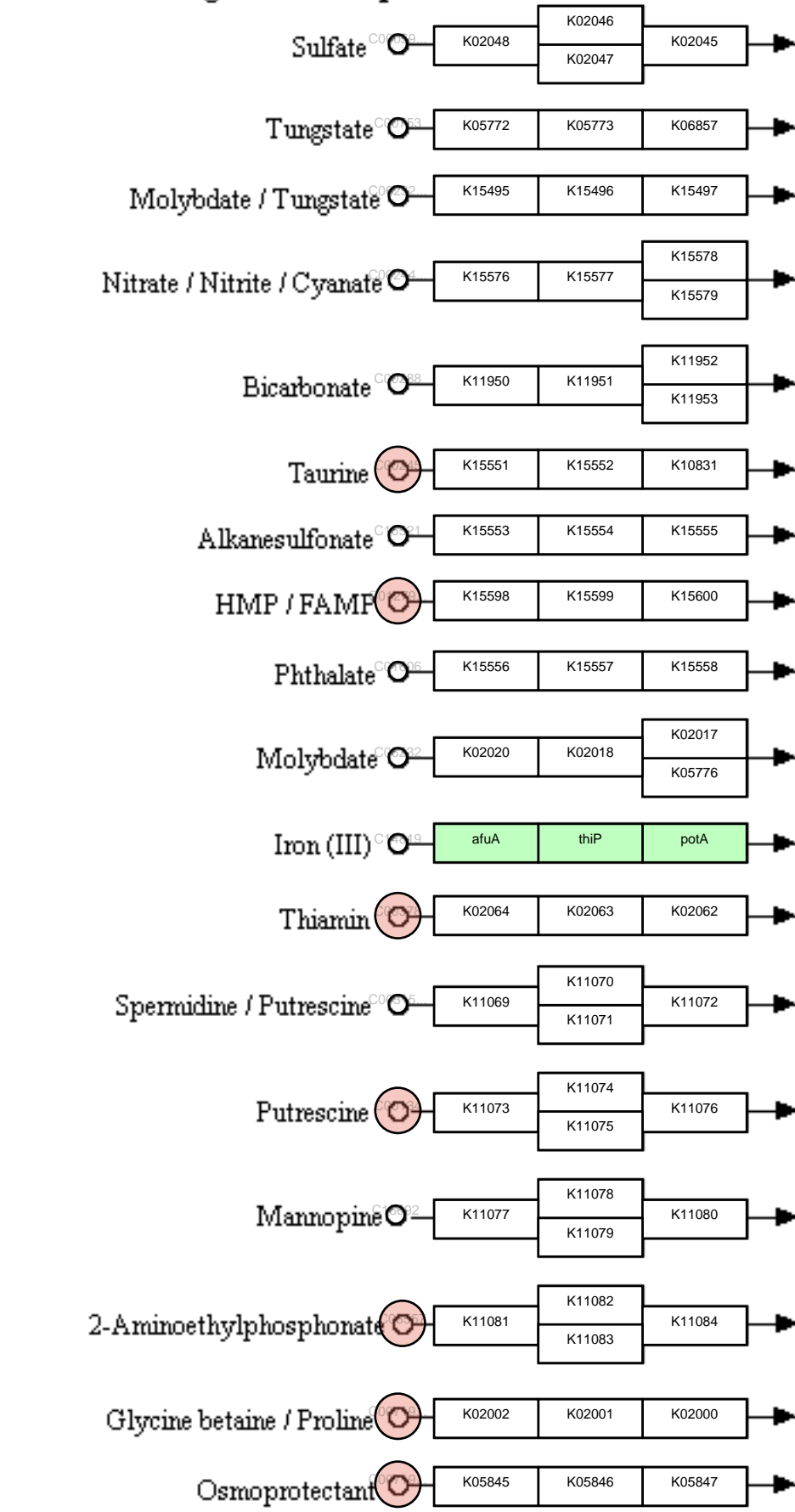


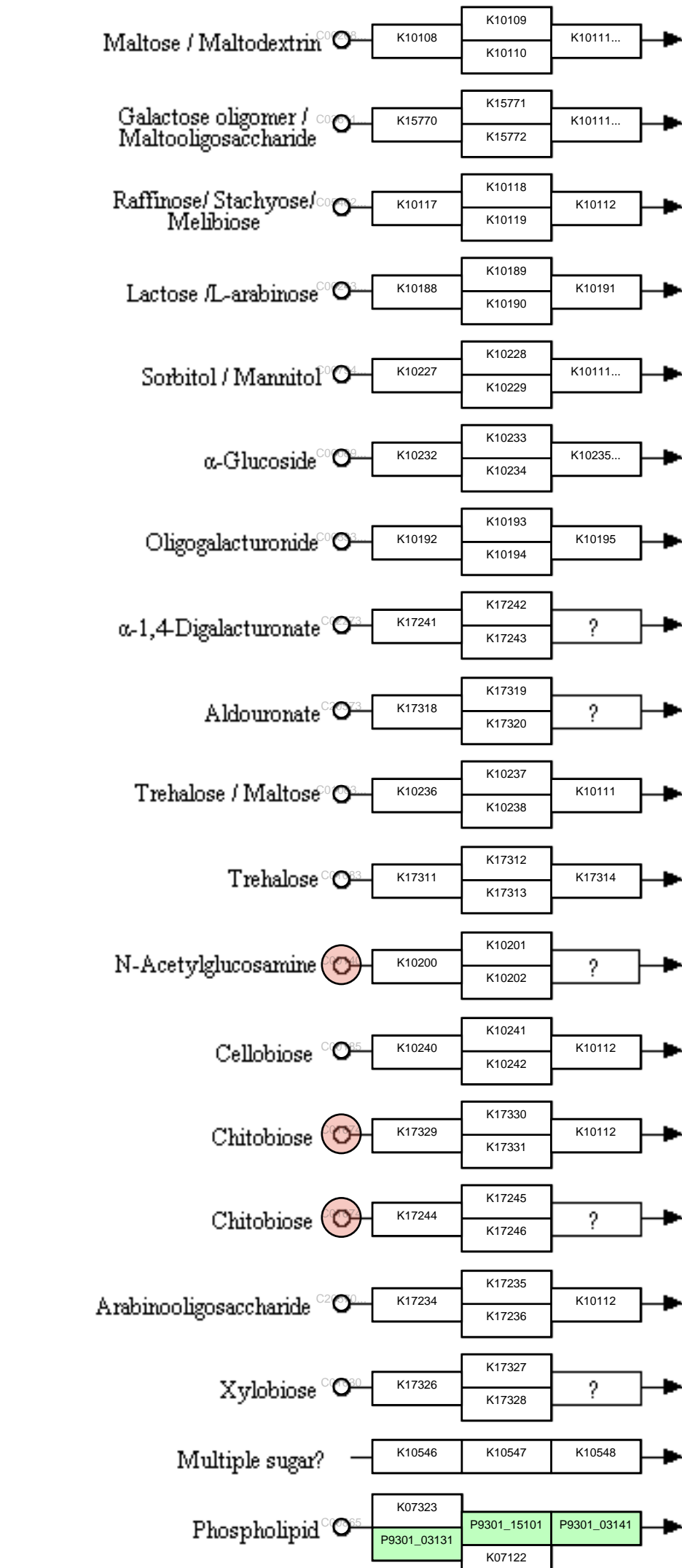
ABC TRANSPORTERS

Prokaryotic-type ABC transporters

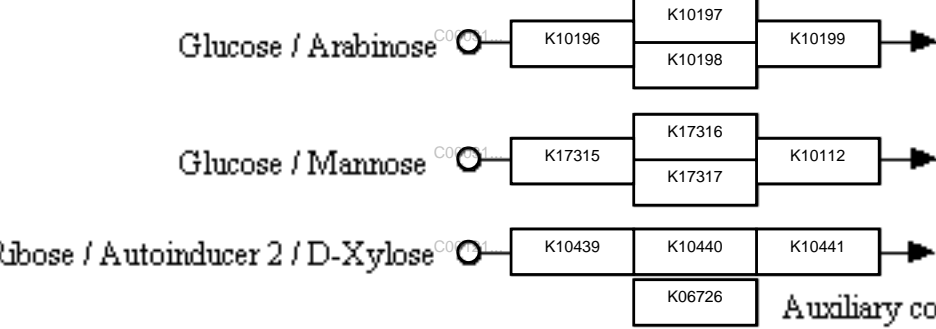
Mineral and organic ion transporters



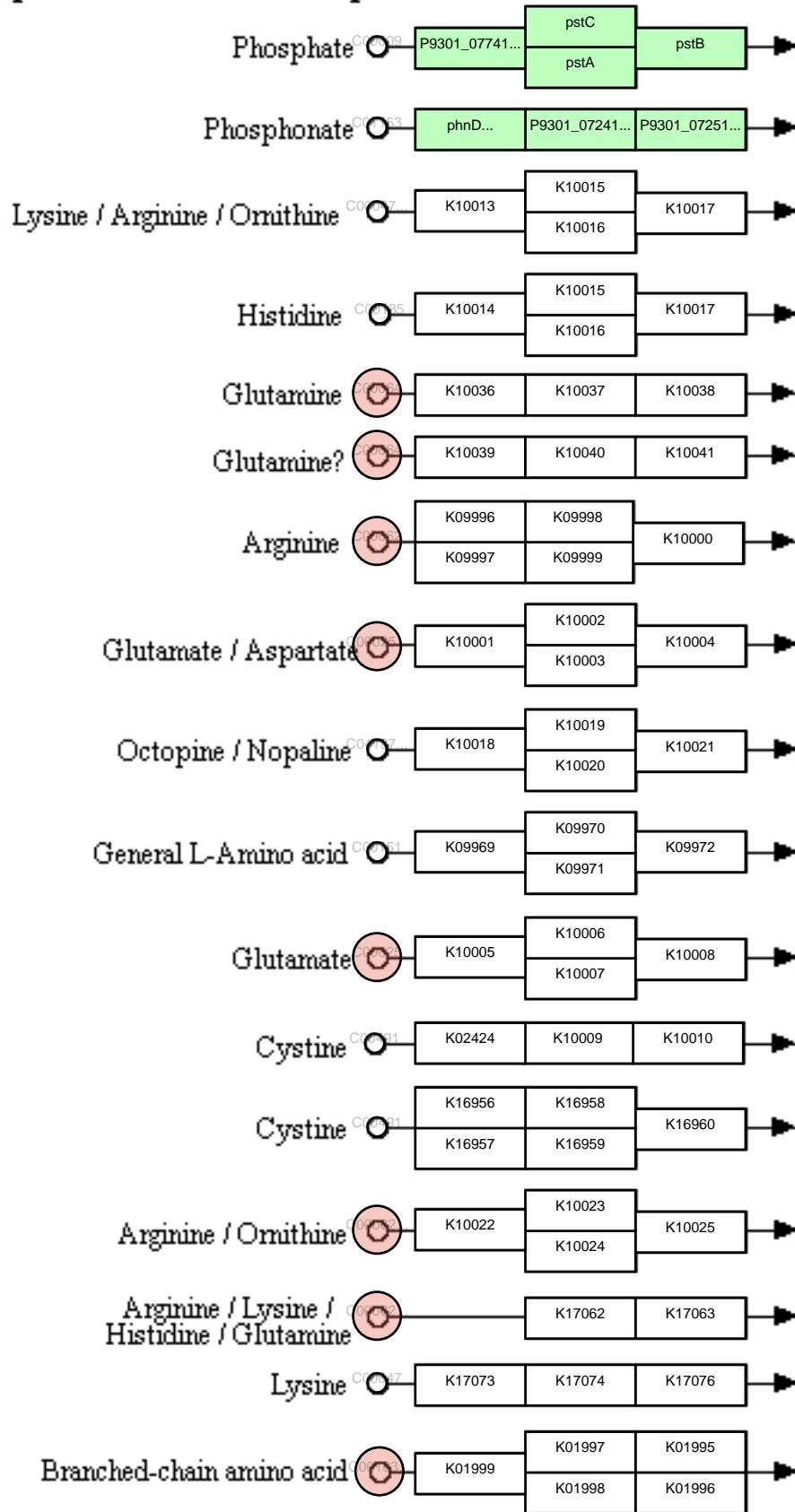
Oligosaccharide, polyol, and lipid transporters



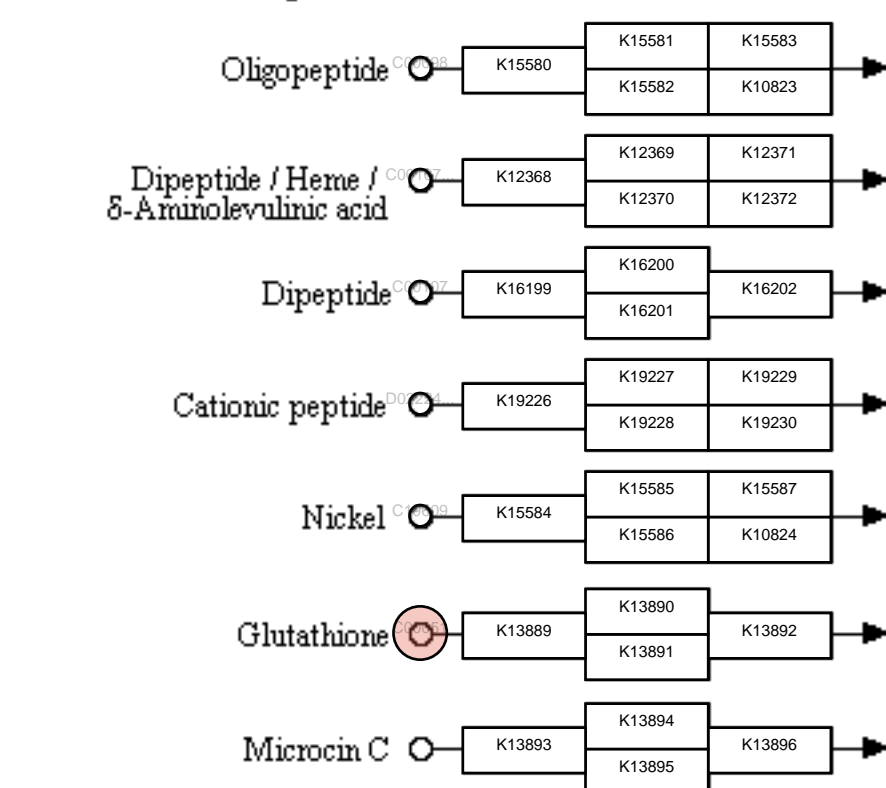
Monosaccharide transporters



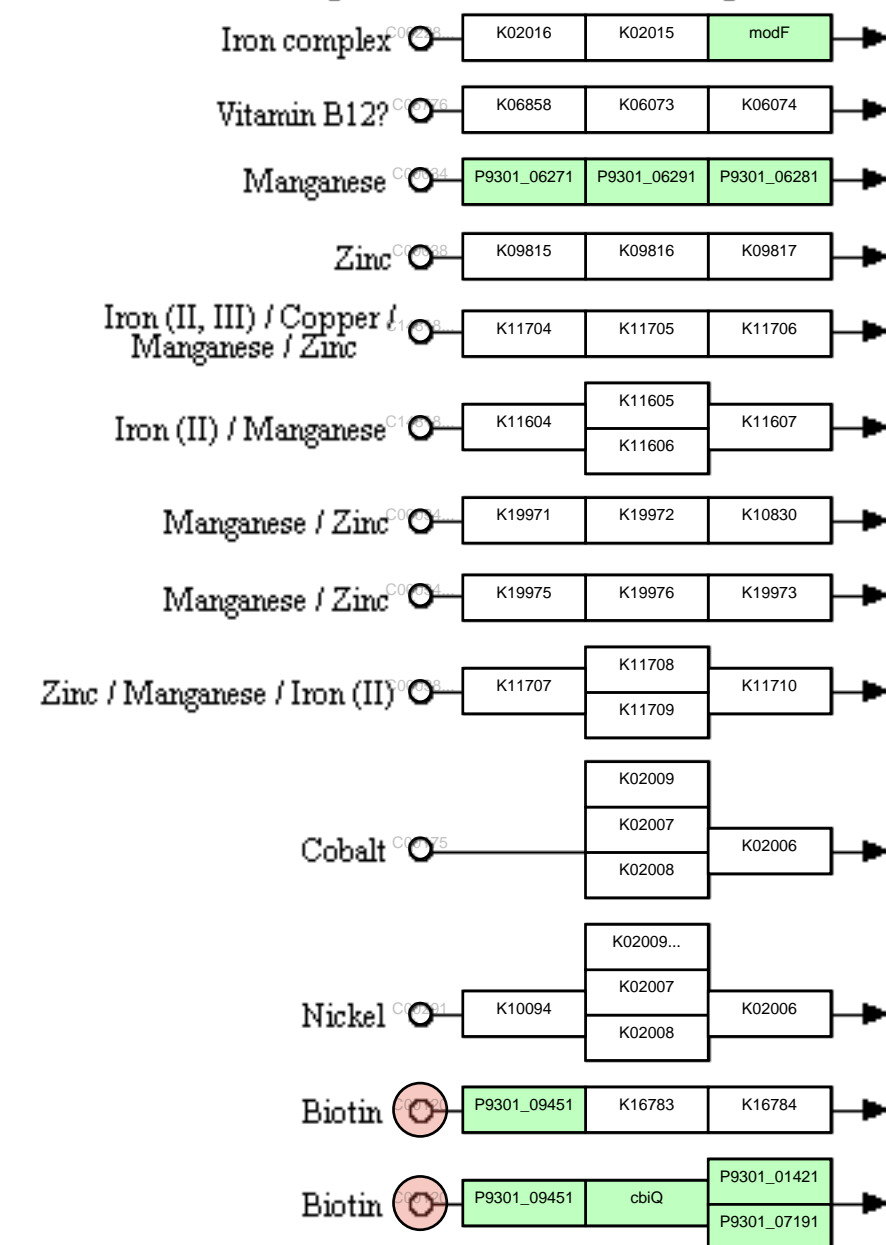
Phosphate and amino acid transporters



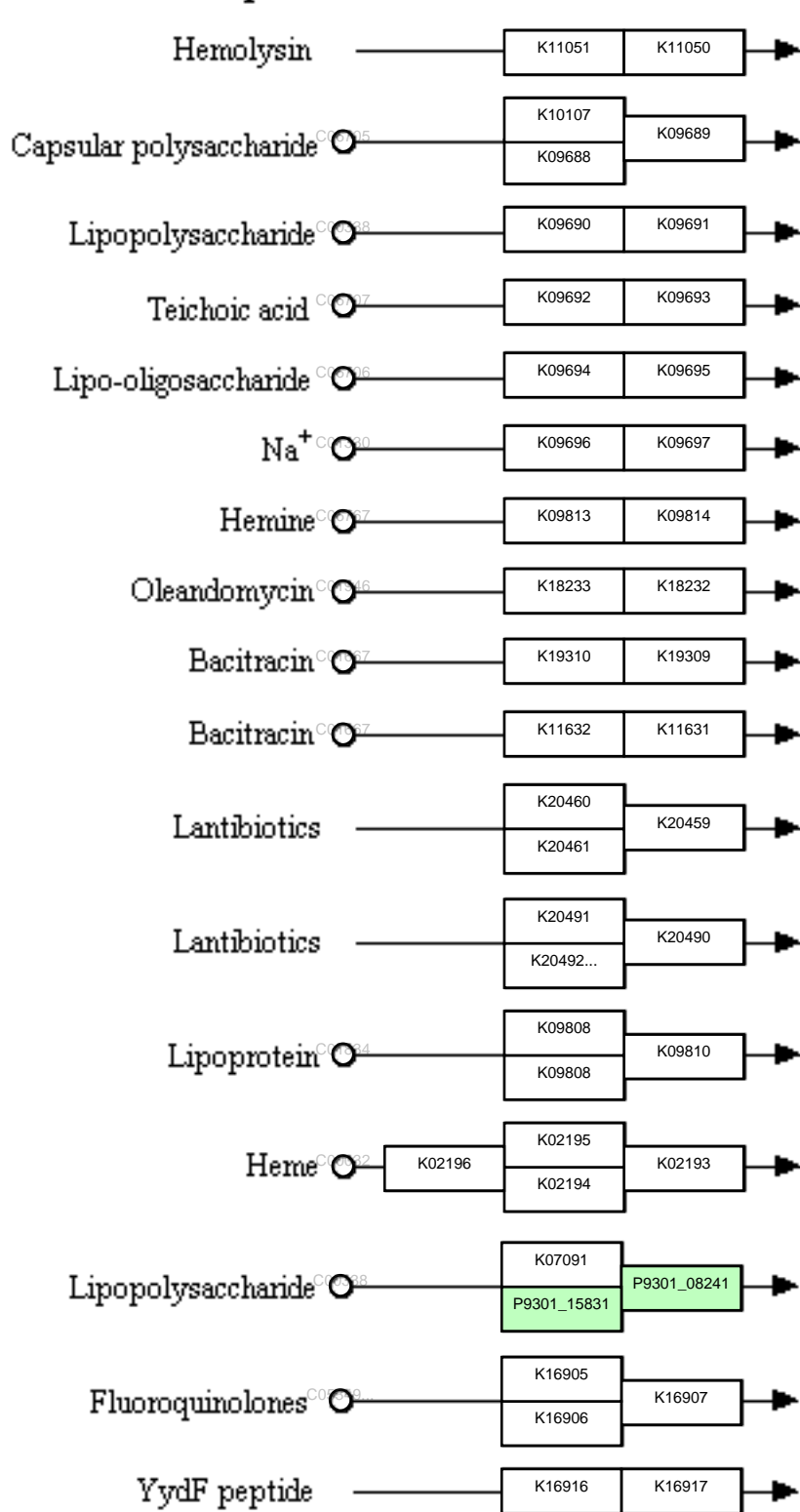
Peptide and nickel transporters



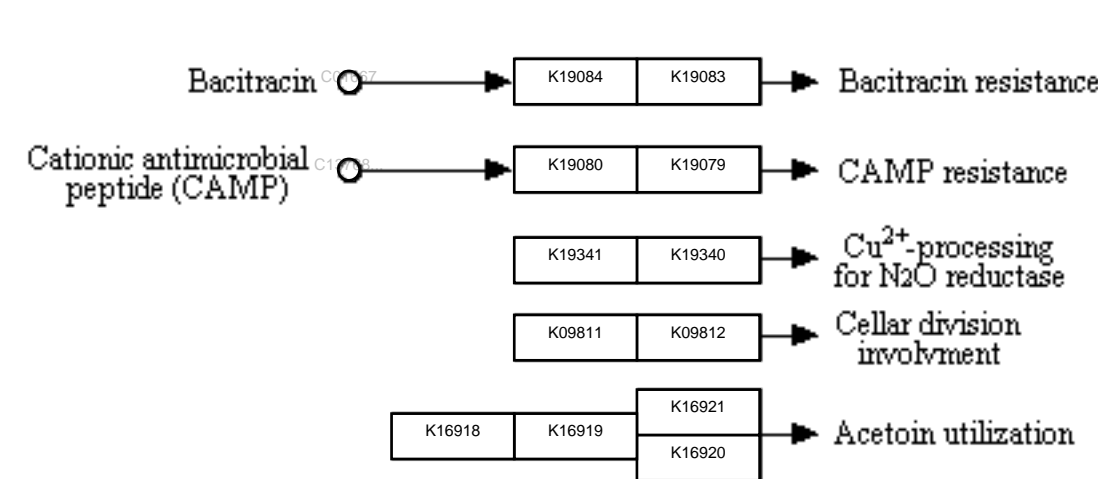
Metallic cation, iron-siderophore and vitamin B12 transporters



ABC-2 and other transporters

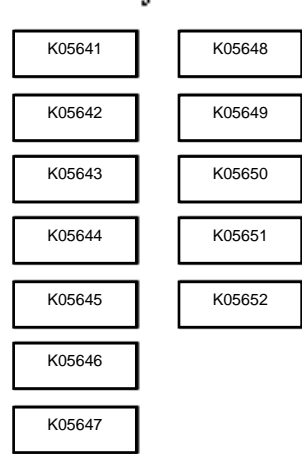


ABC-2 - type components without transporting function

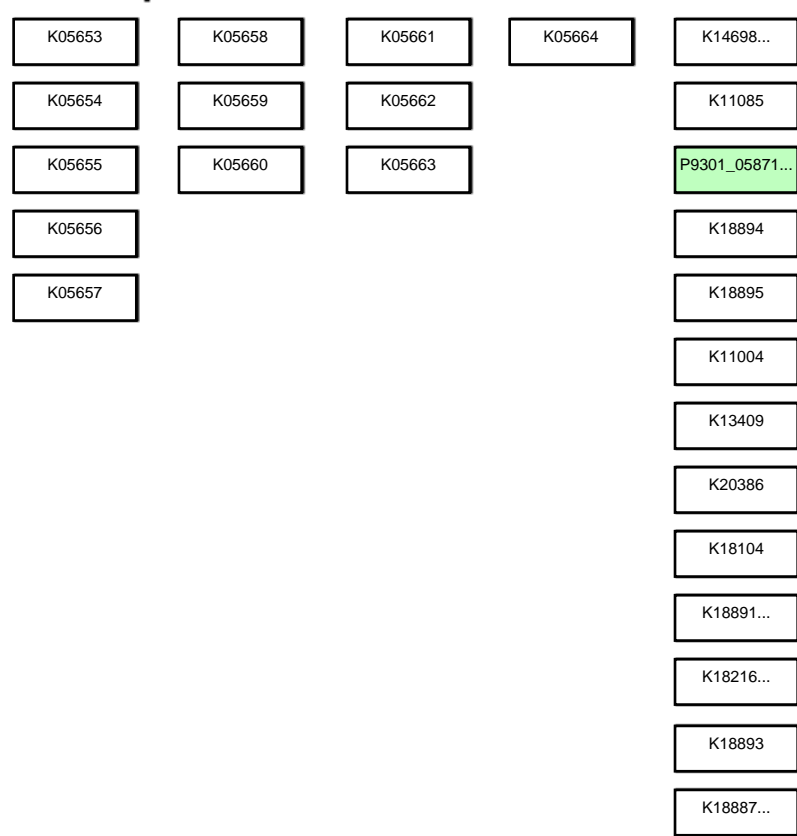


Eukaryotic-type ABC transporters

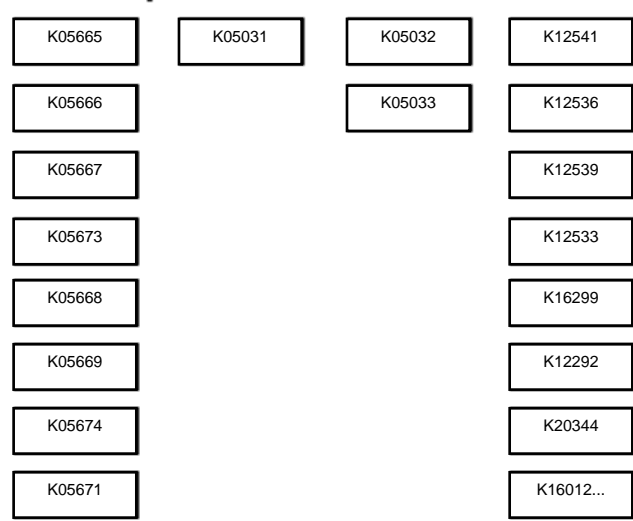
ABCA Subfamily



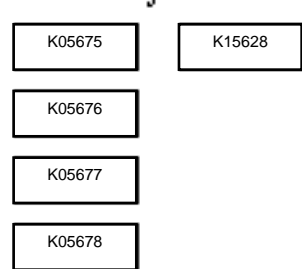
ABCB Subfamily



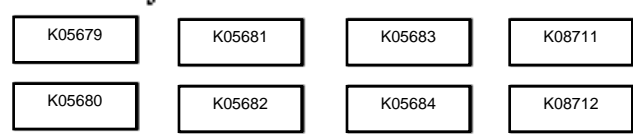
ABCC Subfamily



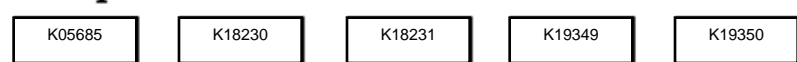
ABCD Subfamily



ABCG Subfamily



Macrolide exporters



Other putative ABC transporters

