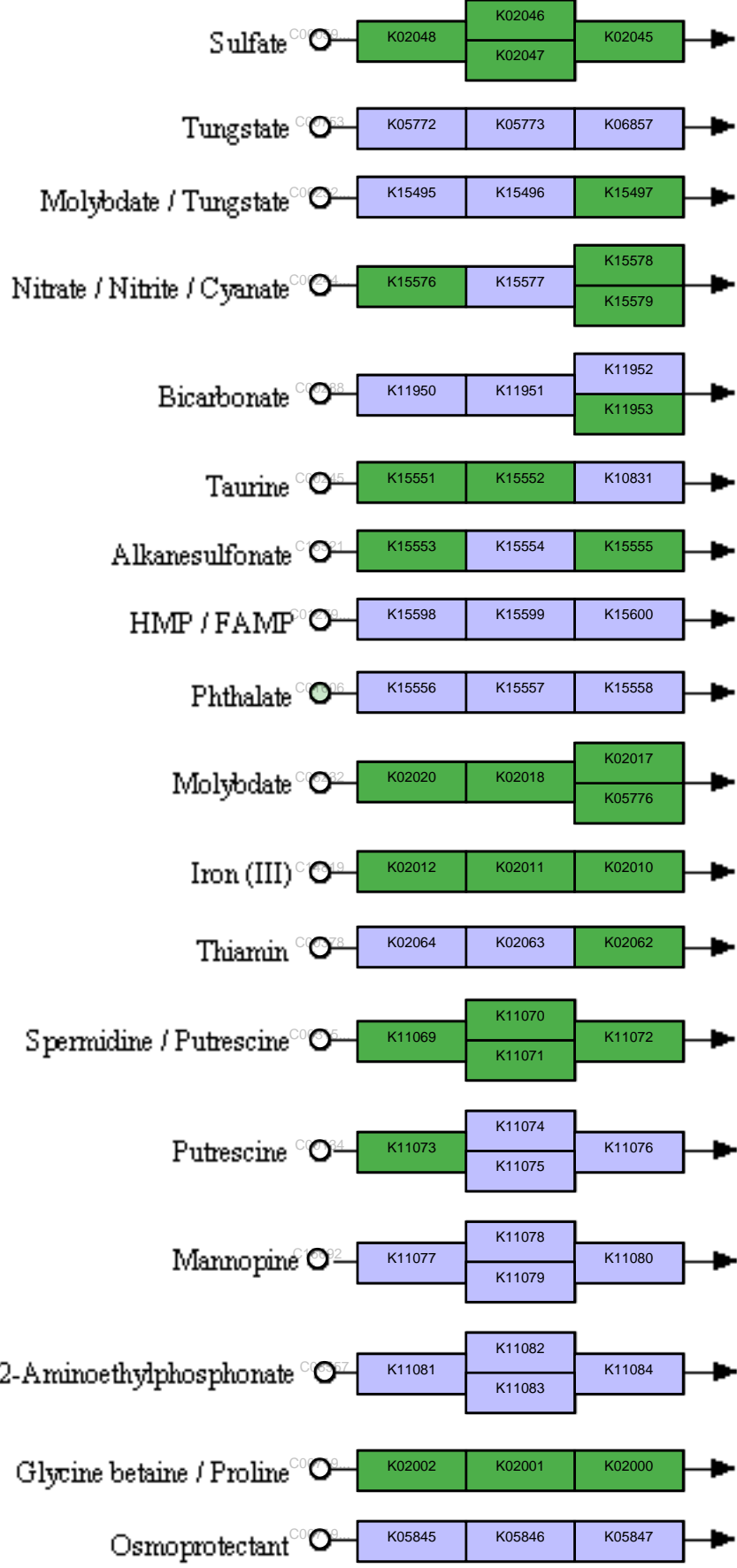


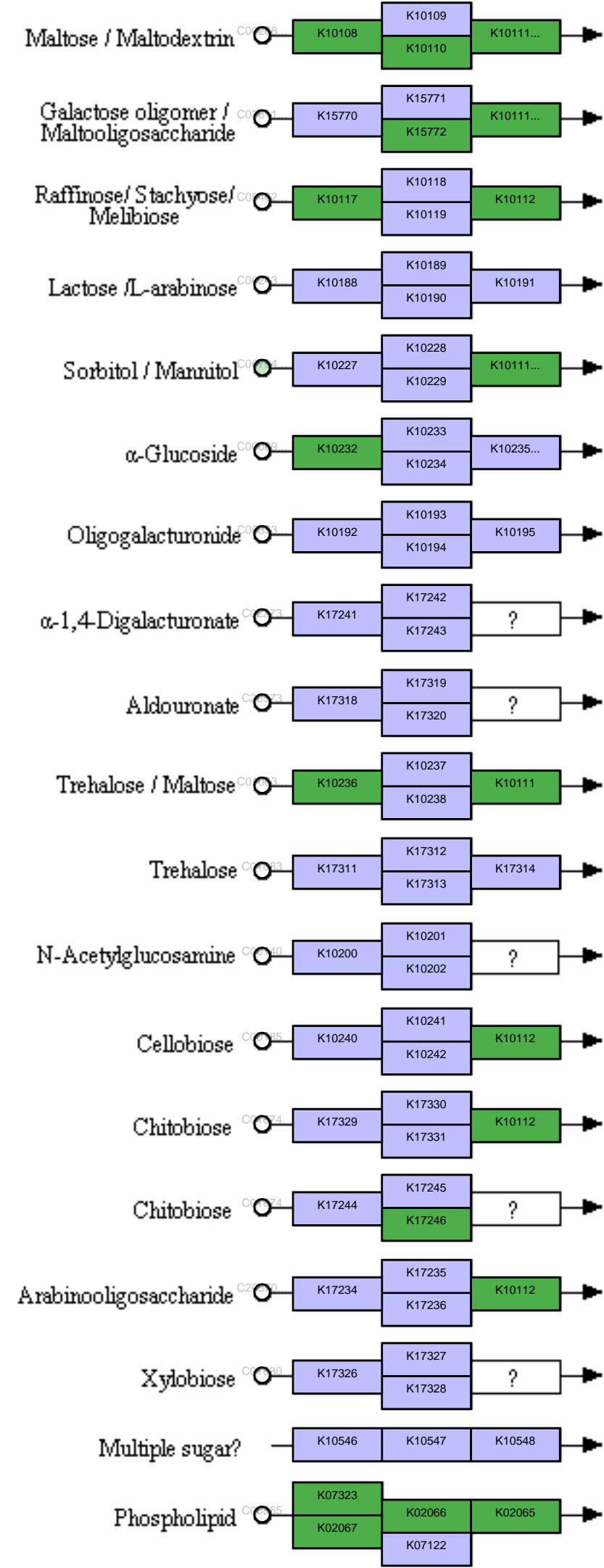
ABC TRANSPORTERS

Prokaryotic-type ABC transporters

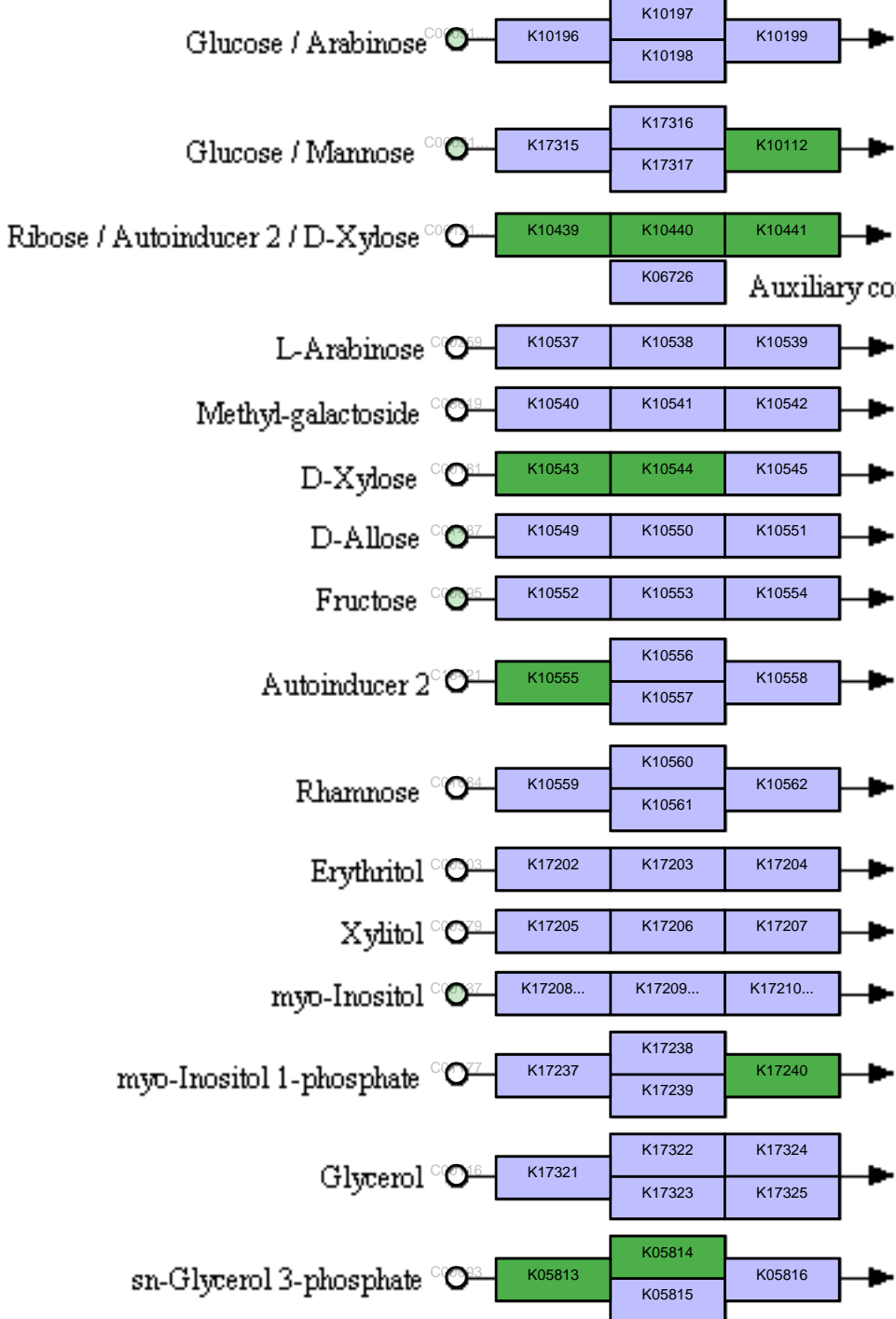
Mineral and organic ion transporters



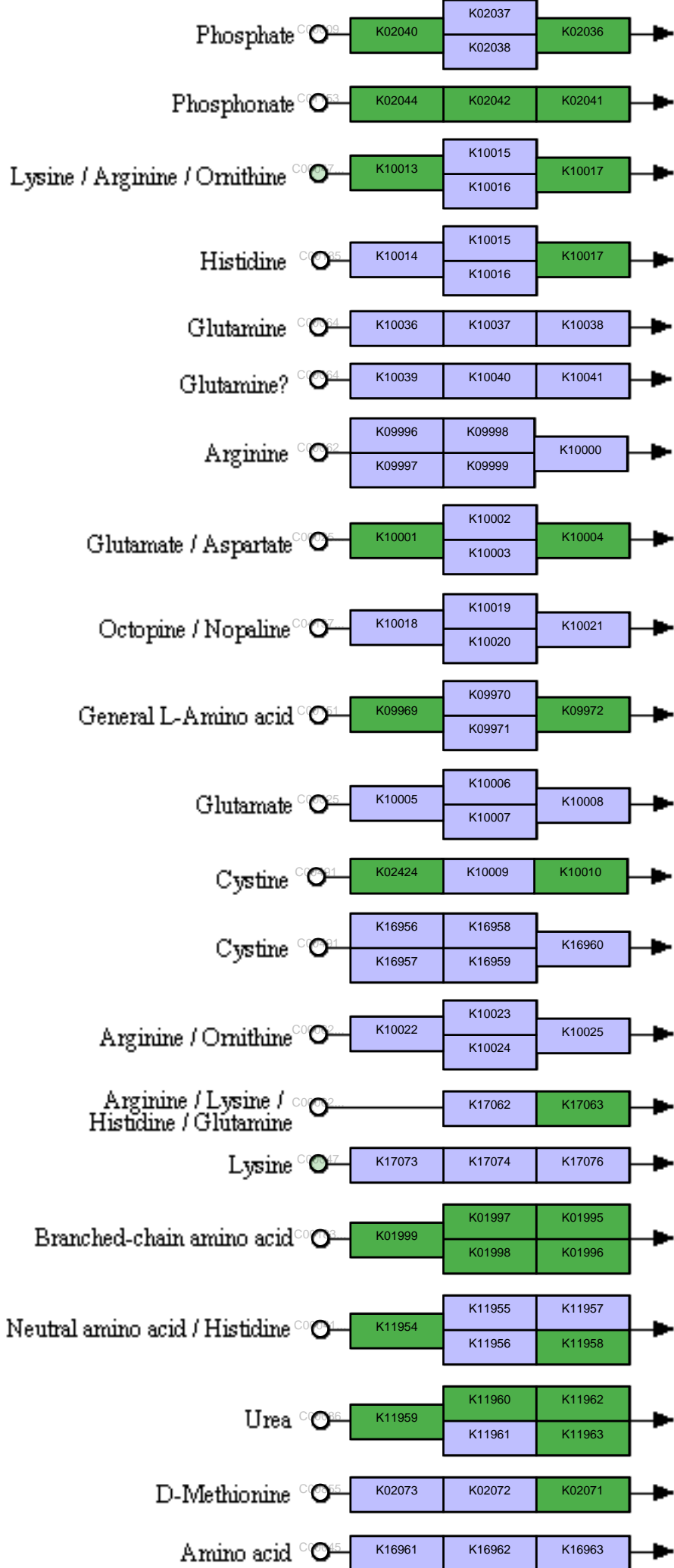
Oligosaccharide, polyol, and lipid transporters



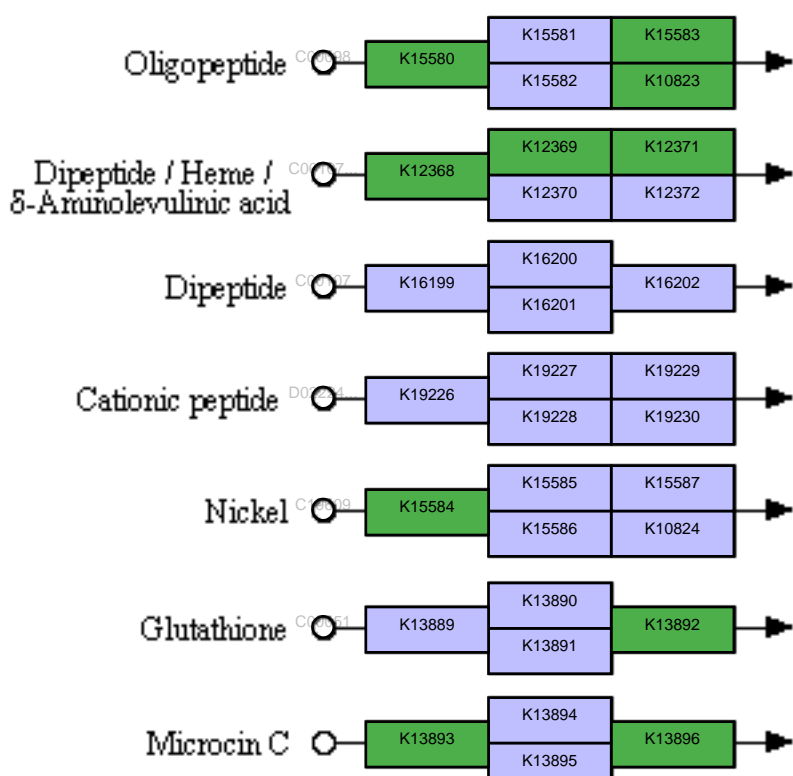
Monosaccharide transporters



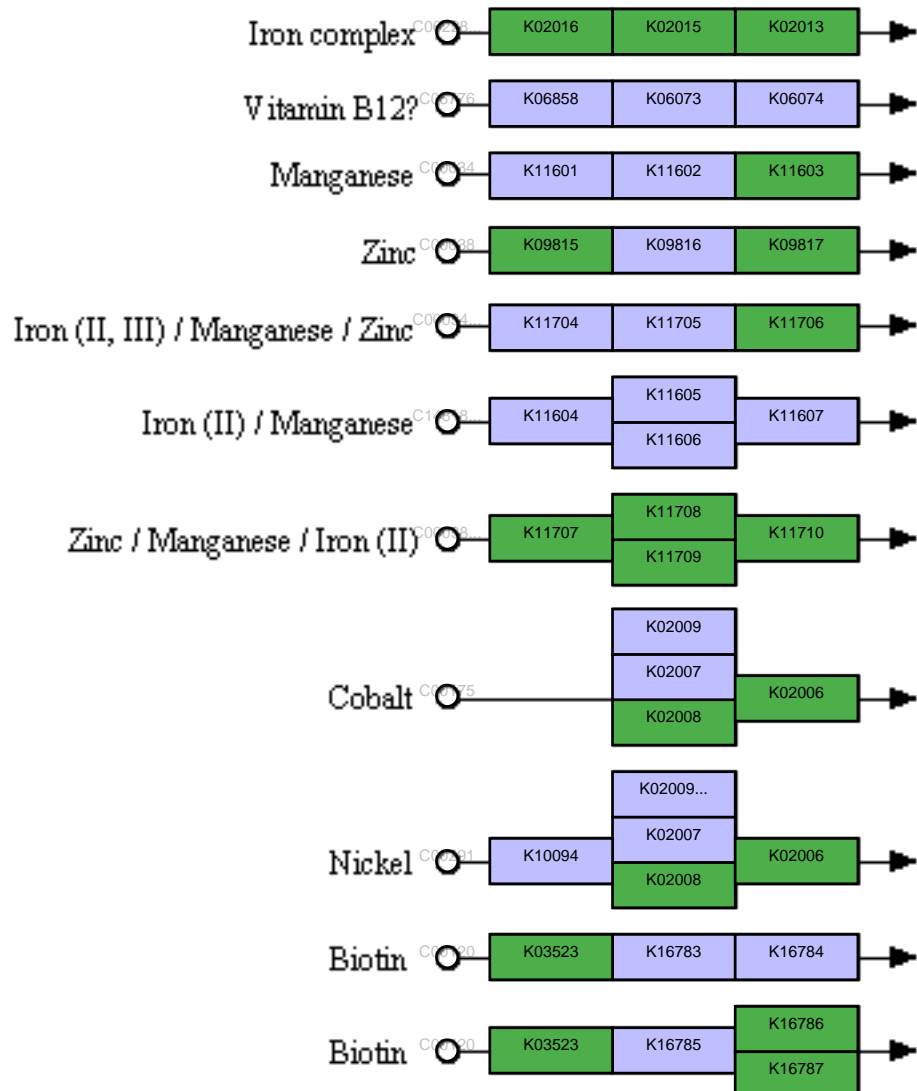
Phosphate and amino acid transporters



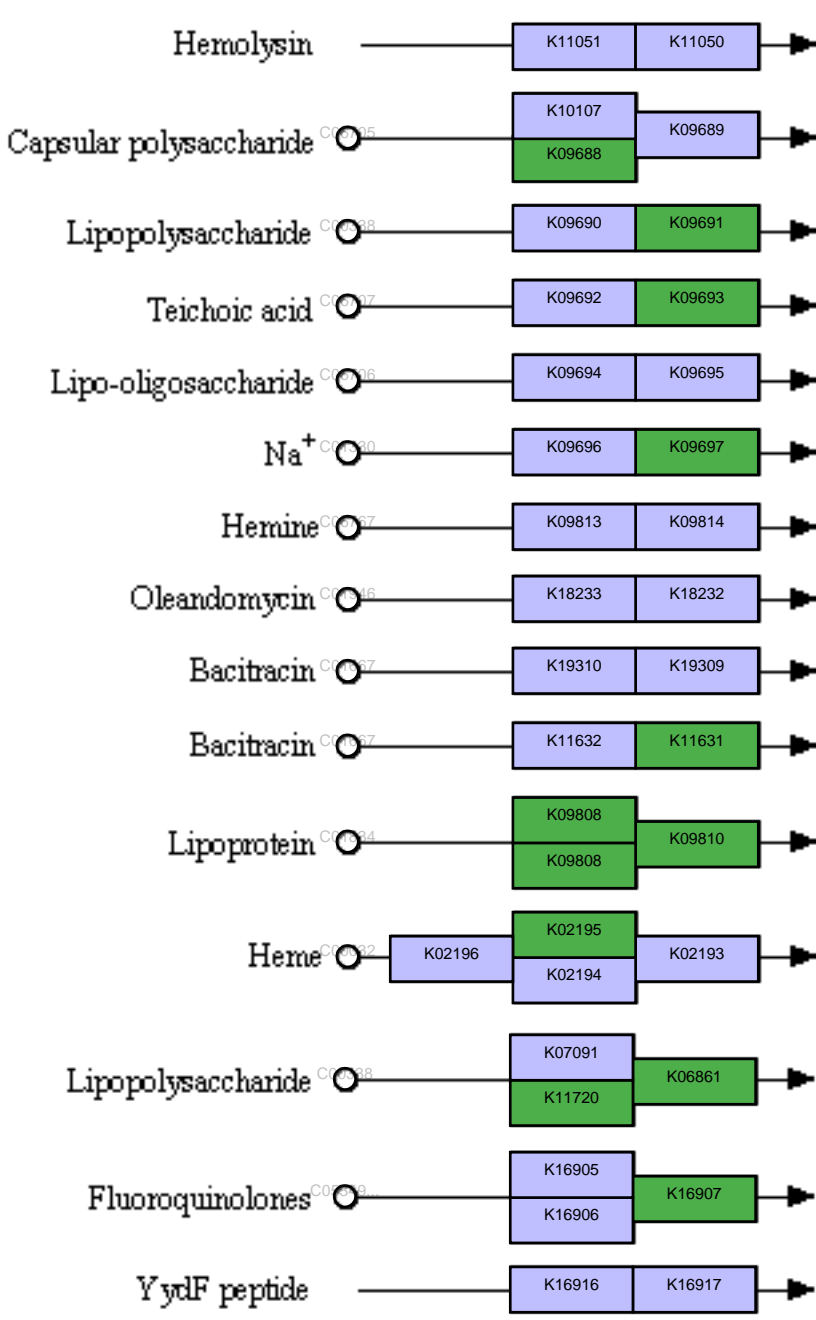
Peptide and nickel transporters



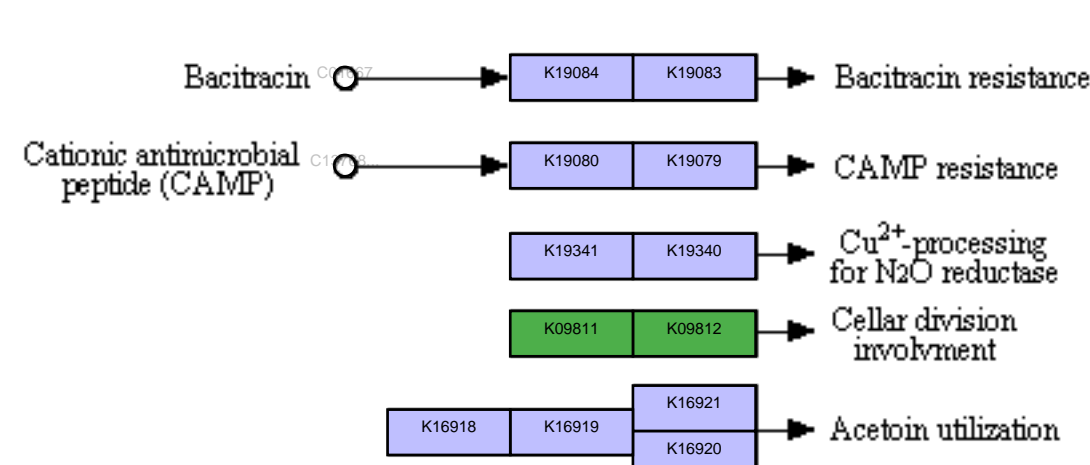
Metallic cation, iron-siderophore and vitamin B12 transporters



ABC-2 and other transporters

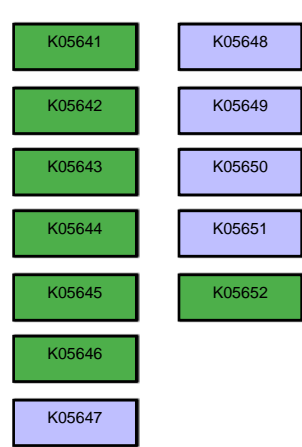


ABC-2 -type components without transporting function

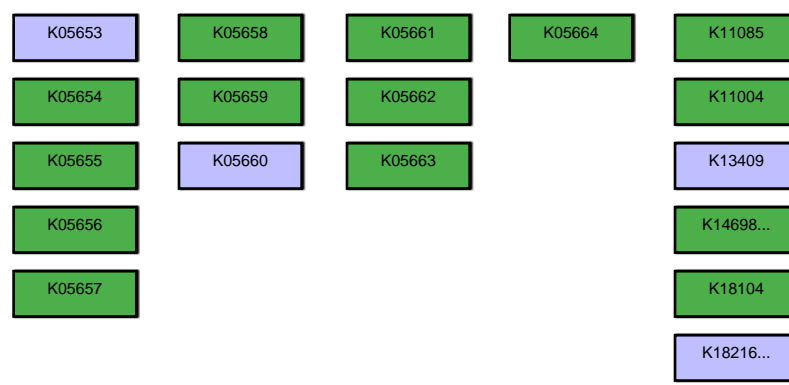


Eukaryotic-type ABC transporters

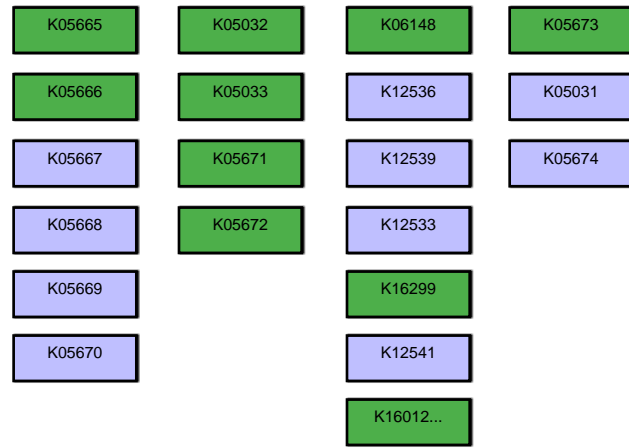
ABCA Sub family



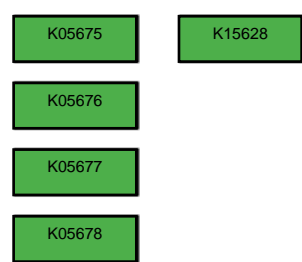
ABCB Sub family



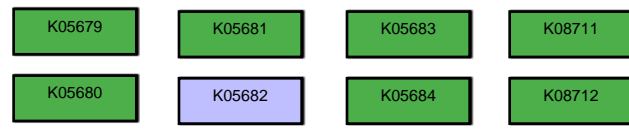
ABCC Sub family



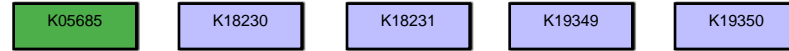
ABCD Sub family



ABCG Sub family



Macrolide exporters



Other putative ABC transporters

