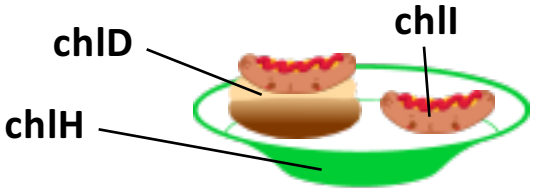
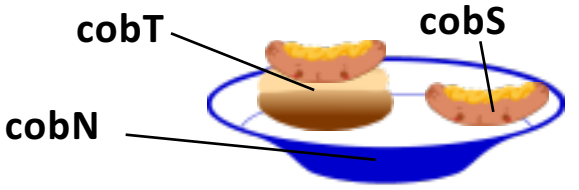
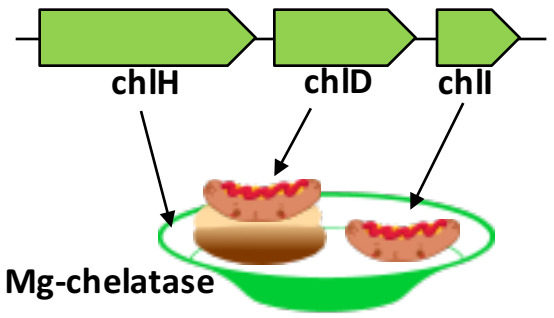
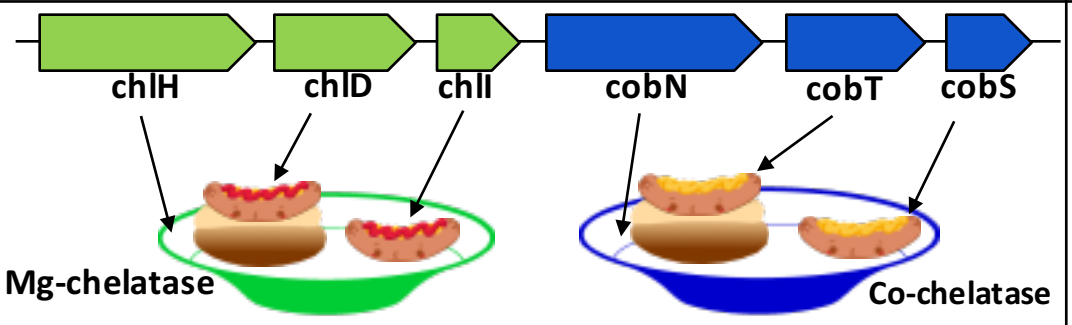
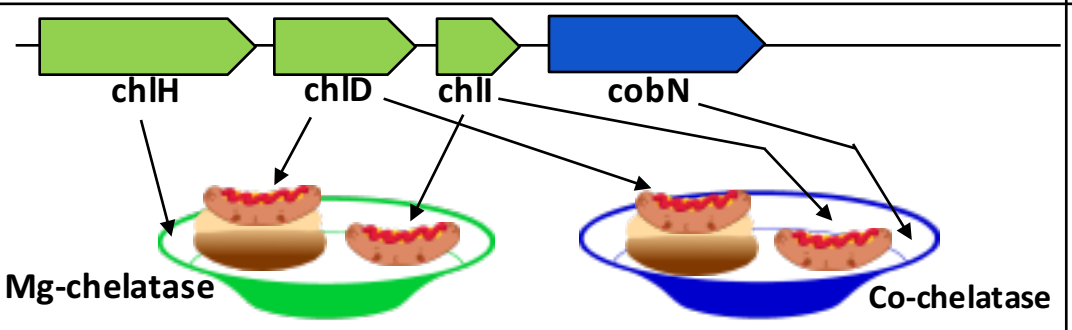
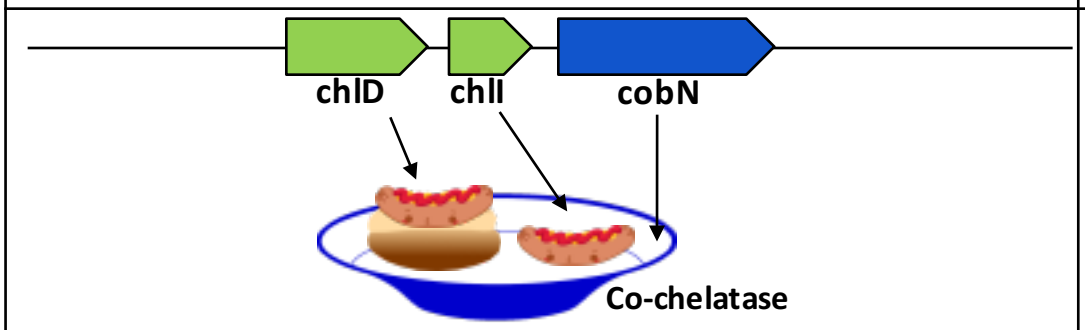
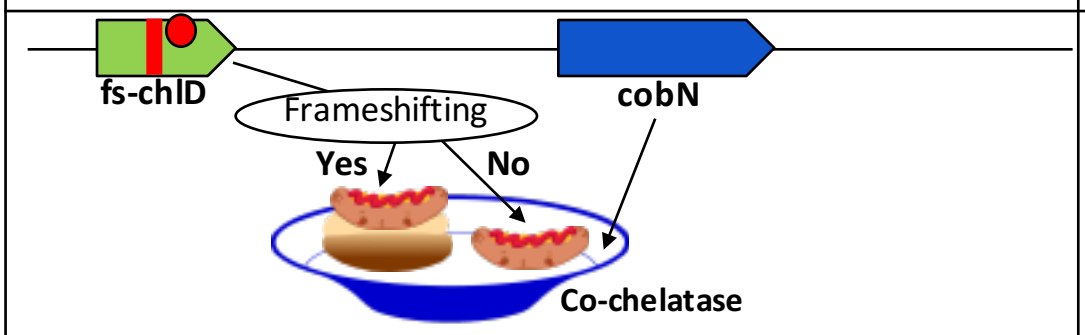
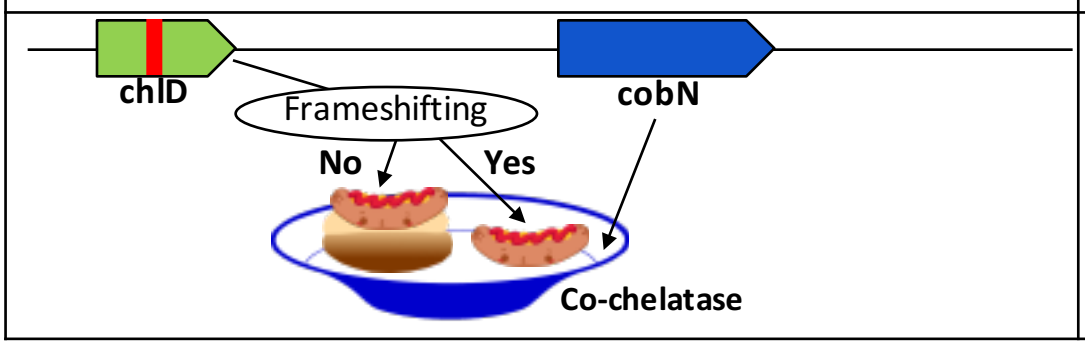


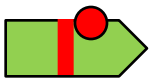
Mg-chelatase chlIDH



Co-chelatase cobNST

	Production of Mg-/Co-chelatases	Genotype(s) [*main taxa*] (reference)
A		**chlH, chlD, chlI** *Proteobacteria* Mg-chelatase: (Gibson et al. 1995)
B		**cobN, cobT, cobS, chlH, chlD, chlI** *Proteobacteria* Mg-chelatase: (Gibson et al. 1995) Co-chelatase: (Debussche et al. 1992)
C		**cobN, chlH, chlD, chlI** **cobN, 2xchlH, chlD, chlI** *Cyanobacteria* Mg-chelatase: (Gibson et al. 1995) Co-chelatase: (Rodionov et al. 2003)
D		**cobN, chlD, chlI** *Actinobacteria* Co-chelatase: (Rodionov et al. 2003)
E		**cobN, fs-chlD** *Proteobacteria, Actinobacteria, Archaea* Co-chelatase: (this study)
F		**cobN, chlD** *Proteobacteria, Actinobacteria, Archaea* Co-chelatase: (this study)

- *chlD* gene with a frameshifting signal



- *fs-chlD* gene with a frameshifting signal and a frameshift mutation