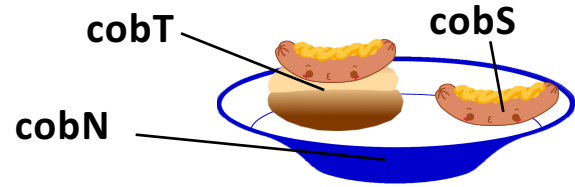


Mg-chelatase chlIDH



Co-chelatase cobNST

A

Production of Mg-/Co-chelatases	Genotype(s) [<i>main taxa</i>] (reference)
<p>chIH, chID, chlI</p> <p><i>Proteobacteria</i></p> <p>Mg-chelatase: (Gibson et al. 1995)</p>	

B

<p>chIH, chID, chlI, cobN, cobT, cobS</p> <p><i>Proteobacteria</i></p> <p>Mg-chelatase: (Gibson et al. 1995)</p> <p>Co-chelatase: (Debussche et al. 1992)</p>	
---	--

C

<p>chIH, chID, chlI, cobN</p> <p><i>Cyanobacteria</i></p> <p>Mg-chelatase: (Gibson et al. 1995)</p> <p>Co-chelatase: (Rodionov et al. 2003)</p>	<p>cobN, chIH, chID, chlI</p> <p>cobN, 2xchIH, chID, chlI</p>
---	---

D

<p>chID, chlI, cobN</p> <p><i>Actinobacteria</i></p> <p>Co-chelatase: (Rodionov et al. 2003)</p>	<p>cobN, chID, chlI</p>
--	-------------------------

E

<p>fs-chID, cobN</p> <p>Frameshifting</p> <p>Yes</p> <p>No</p> <p>Co-chelatase</p>	<p>cobN, fs-chID</p> <p><i>Proteobacteria, Actinobacteria, Archaea</i></p> <p>Co-chelatase: (this study)</p>
--	--

F

<p>chID, cobN</p> <p>Frameshifting</p> <p>No</p> <p>Yes</p> <p>Co-chelatase</p>	<p>cobN, chID</p> <p><i>Proteobacteria, Actinobacteria, Archaea</i></p> <p>Co-chelatase: (this study)</p>
---	---

- *chID* gene with a frameshifting signal

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