

Α

В

C

D

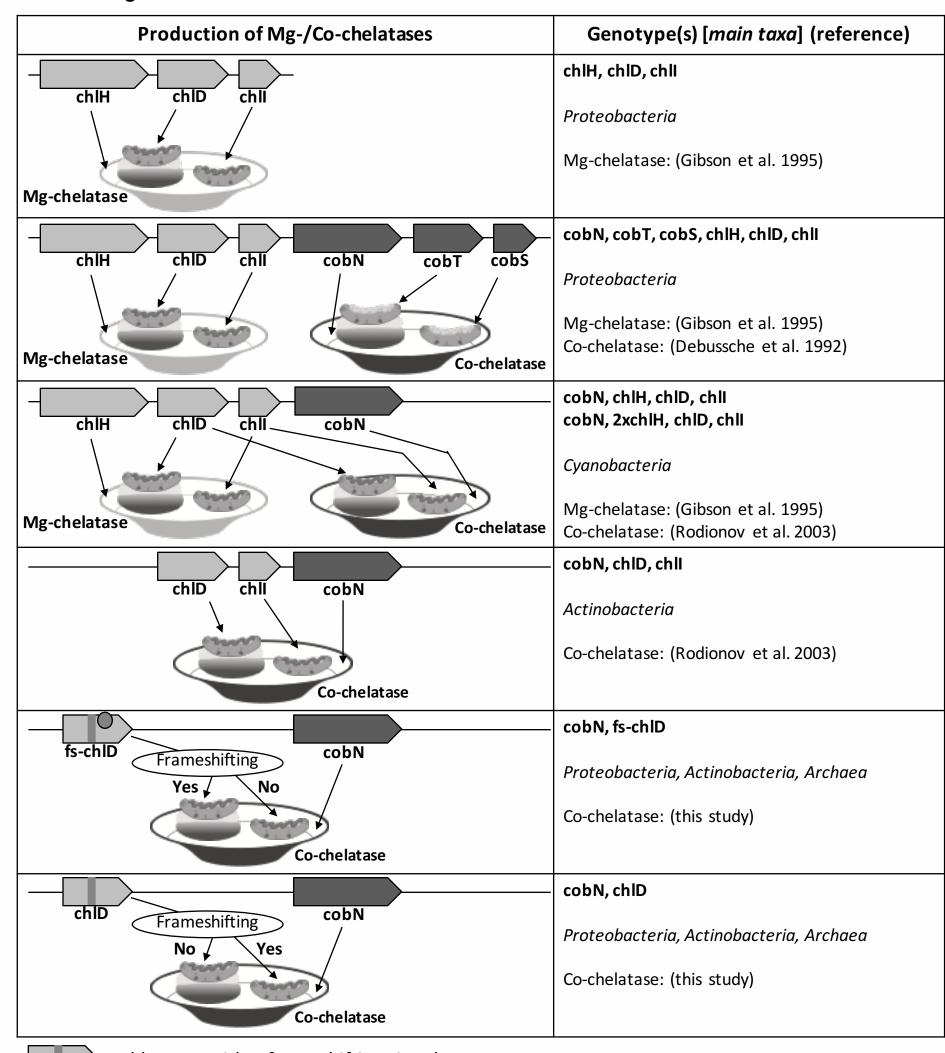
E

F



Mg-chelatase chlIDH

## **Co-chelatase cobNST**



chlD gene with a frameshifting signal

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