Stage	Example Species (phila)	Synthesis of the Medium and Small proteins	Function of the Medium and Small proteins	B12 pathway (anaerobic)	Large subunit (chlH/cobN)	CHL pathway	B12 pathway (aerobic)
1	Spirochaeta thermophila (Spirochaetes) Brevefilum fermentans (Chloroflexi)	fs-chID Yes No	Unknown	-	-	-	-
2	Thermodesulfobacterium commune (Thermodesulfobacteria) Thermodesulfovibrio yellowstonii (Nitrospirae)	chID chII	Unknown	-	-	-	-
3	Polynucleobacter duraquae (Proteobacteria)	chID chII	Mg-chelatase (small and medium subunits)	-	chlH	Yes	-
4	Halorhodospira halophila (Proteobacteria) Thiocystis violascens (Proteobacteria)	chID chII	Mg-(Co-?)chelatase (small and medium subunits)	Yes	chlH	Yes	Yes?
5	Synechococcus elongatus (Cyanobacteria) Prochlorococcus marinus (Cyanobacteria)	chID chII	Mg- and Co- chelatases (small and medium subunits)	Yes	chlH + cobN	Yes	Yes
6	Rhodospirillum rubrum (Proteobacteria) Dinoroseobacter shibae (Proteobacteria) Rhodovulum sulfidophilum (Proteobacteria)	chID chII cobT cobS	Mg- and Co- chelatases (small and medium subunits)	Yes	chlH + cobN	Yes	Yes
7	Mycobacterium tuberculosis (Actinobacteria) Prauserella marina (Actinobacteria)	chID chII	Small and medium subunits of Co- chelatases	Yes	cobN	-	Yes
8	Pseudomonas aeruginosa (Proteobacteria) Methanocaldococcus fervens (Archaea)	fs-chID Yes No	Small and medium subunits of Co- chelatases	Yes	cobN	-	Yes