

Species	GenBank Accession(s)	Assembly status
<i>Acaryochloris</i> sp. CCME 5410	AFEJ01000000	Draft
<i>Acaryochloris marina</i> MBIC11017	CP000838-46	Complete
<i>Allochrochromatium vinosum</i> DSM 180	CP001896-8	Complete
<i>Bradyrhizobium</i> sp. ORS278	CU234118	Complete
<i>Chloracidobacterium thermophilum</i> B	CP002514-5	Complete
<i>Chlorobaculum tepidum</i> TLS	AE006470.1	Complete
<i>Chlorobium ferrooxidans</i> DSM 13031	AASE01000000	Draft
<i>Chloroflexus aggregans</i> DSM 9485	CP001337	Complete
<i>Chloroflexus aurantiacus</i> J-10-fl	CP000909	Complete
<i>Chloroherpeton thalassium</i> ATCC 35110	CP001100	Complete
<i>Cyanothece</i> sp. PCC 7822	CP002198-204	Complete
<i>Fischerella thermalis</i> PCC 7521	AJLL01000000	Draft
<i>Leptolyngbya</i> sp. Heron Island J	AWN01000000	Draft
<i>Leptolyngbya</i> sp. JSC-1	JMKF01000000	Draft
<i>Leptolyngbya</i> sp. PCC 7375	ALVN01000000	Draft
<i>Methylobacterium</i> sp. GXF4	AKFK01000000	Draft
<i>Pelodictyon phaeoclathratiforme</i> BU-1	CP001110	Complete
<i>Prosthecochloris aestuarii</i> DSM 271	CP001108-9	Complete
<i>Rhodobacter sphaeroides</i> 2.4.1	AKVW01000000	Complete
<i>Rhodospseudomonas palustris</i> CGA009	BX571963-4	Complete
<i>Synechococcus</i> sp. BL107	DS022298	Complete
<i>Synechococcus</i> sp. CC9902	CP000097	Complete
<i>Synechococcus</i> sp. PCC 7002	CP000951-7	Complete
<i>Synechococcus</i> sp. WH 8102	BX548020	Complete
<i>Synechocystis</i> sp. PCC 6803	CP003265-9	Complete
<i>Thiorhodococcus drewsii</i> AZ1	AFWT01000000	Draft

Table S2. List of genome sequences used in this study