

Table S2. Cyanobacterial genomes containing two genes encoding aaRSs^C

Genome	aaRS ^C -1	aaRS ^C -2
<i>Crinalium epipsammum</i> PCC 9333	CysRS	LeuRS
<i>Microcoleus vaginatus</i> PCC 9802	GluRS	IleRS
<i>Oscillatoria acuminata</i> PCC 6304	GluRS	IleRS
<i>Oscillatoria nigro-viridis</i> PCC 7112	GluRS	IleRS
<i>Trichodesmium erythraeum</i> IMS101	GluRS	IleRS
<i>Oscillatoria</i> sp. PCC 10802	GluRS	MetRS
<i>Spirulina major</i> PCC 6313	ArgRS	ValRS
<i>Spirulina subsalsa</i> PCC 9445	ArgRS	ValRS