

Suppl. Table 3. Presence of selected metabolic pathways in the studied genomes. "+" means enzyme/metabolic pathway present; " - " means enzyme/metabolic pathway absent.

Nitrogen Metabolism	DSM 2351	2.4.1	alga05	ALG1	AH01	PD 1222
Denitrification	+	+	+	+	+	+
Dissimilatory nitrate reduction	+	+	+	+	+	+
Nitrogen reduction (<i>nifH</i>)	+	+	○ ₋	○ ₋	○ ₋	○ ₋
Sulfur Metabolism						
DMSP demethylase (<i>dmdA</i>)	○ ₋	○ ₋	○ ₋	○ ₋	+	○ ₋
DMSP lyase (<i>dddL</i>)	○ ₋	+	+	+	○ ₋	○ ₋
DMSP cleavage (<i>dddD</i>)	○ ₋	○ ₋	○ ₋	○ ₋	○ ₋	○ ₋
DMSP cleavage (<i>dddP</i>)	○ ₋	○ ₋	○ ₋	○ ₋	○ ₋	○ ₋
Sulfur oxidation (<i>sox</i>)	+	+	+	+	+	+