



Fig. S5. Growth of '*Ca. Dichloromethanomonas elyunquensis*' strain RM in mixed culture RM with glyoxylate as the sole electron donor as determined by 16S rRNA gene-targeted qPCR. Bottles with defined mineral salt medium amended with glyoxylate as the sole energy source were inoculated (3%, v/v) from a DCA-grown culture. Glyoxylate was degraded and the '*Ca. Dichloromethanomonas elyunquensis*' 16S rRNA gene copy numbers increased during the incubation, indicating '*Ca. Dichloromethanomonas elyunquensis*' utilized glyoxylate as a growth substrate. The data represent the averages of triplicate incubations and the error bars represent the standard deviations. Error bars smaller than the symbols are not shown.