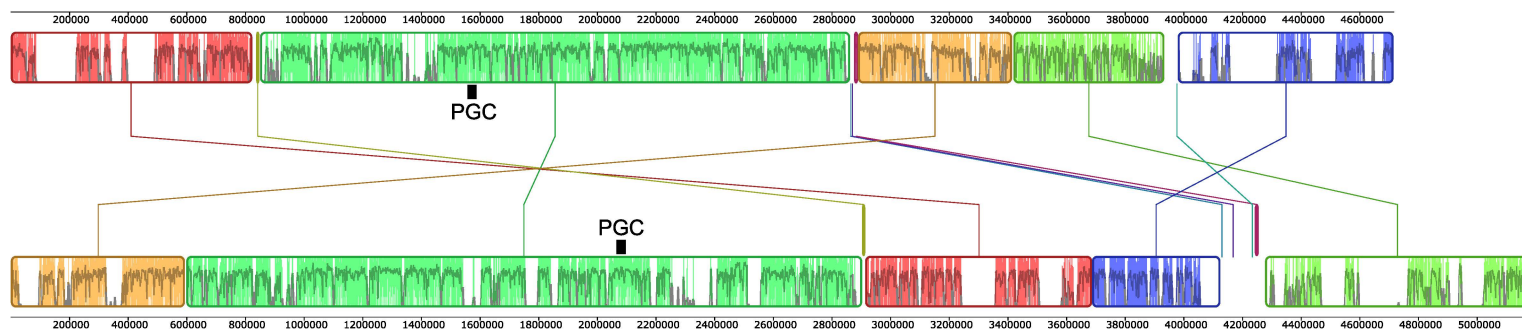


**Figure S1** Mauve genome alignment of *G. groenlandica* and *G. phototrophica* demonstrating the highly conserved genomic regions housing the photosynthesis gene cluster (PGC).

*Gemmatimonas phototrophica* AP64 (CP011454)



*Gemmatimonas groenlandica* TET16 (CP053085)