

Figure S2: Bathycoccus phylogeny based on ITS2 rRNA genes. ML reconstruction using model GTR+G based on a multiple sequence alignment of 221 nucleotide positions. (Bootstrap replicate =100). Sequences from B. prasinos_Atlantic corresponds to a sorted population collected in the SE Atlantic open ocean (AFUW00000001); B. prasinos_Pacific_X et Y from a sorted population collected in Pacific coastal Chilean upwelling zone (CAFX0100001.1, CAFY0100001.1); B. prasinos_Ban7 from a cultured strain originally isolated from near Banyules, Mediterranean; B. prasinos_Arctic from this study; B. prasinos_SCCAPK0417 and B. prasinos_CCMP1898 was isolated from Italian Mediterranean coast (FN562453.1,FN562453.1). All 18S rRNA genes had ca. 100% similarity.