

Title: Implications for the mesopelagic microbial gardening hypothesis as determined by experimental fragmentation of Antarctic krill faecal pellets

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File Descriptions:

In_Situ_fragmentation.csv - Perimeter length (mm) of fecal pellets at different timepoints during the in situ fragmentation experiment. Labels refer to the time points, S1 = 10:15, S2 = 11:15, S3 = 12:35, S4 = 14:30, and S5 = 16:45.

O2_FP.csv - O₂ concentrations (umol/L) at different times (hours) for the 4 experiments (1-4) for the four different pellet types (BL = long brown, BS = short brown, GL = long green, GS = short green) and the two control vials (C1 and C2).

POC_FP.csv - POC concentration (Cumol/L) of the vials with pellets, for the 4 different experiments (Exp), for the different coloured pellets (Col), brown (B) and green (G), and different lengths, long (L) and short (S).

All remaining files, e.g. GL1.csv - measurements from photos of pellets. The key one is 'Perim.' Which is the perimeter length (mm) of the decal pellets. Each row is a different pellet. The filename describes colour, length and experiment number of the pellets imaged. e.g. GL1.csv are the green, long pellets from Experiment 1.