

Title: PSEA1001 and TN249. GenBank accession numbers for Pseudocalanus spp. mtCOI sequences

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Dataset overview

This data set contains the GenBank accession numbers and sequences for each mtCOI haplotype of the different *Pseudocalanus* spp. collected during late winter and spring on the Bering Sea shelf. Species identified were *P. newmani*, *P. mimus*, *P. acuspes* and *P. minutus*. Samples were collected during BEST cruises on the USCGC Polar Sea cruise PSEA1001, 7 March – 7 April, 2010, and R/V Thomas G. Thompson cruise TN249, 9 May - 14 June 2010, to the Bering Sea shelf.

Data collection and processing

Copepods were sampled with either a 150 or 333 µm mesh ring net deployed in vertical tows to a depth of 60 m or 1 meter from bottom (if depth <60 m) and preserved in 95% ethanol. DNA was extracted using the 96 well plate DNeasy Tissue Kit (Qiagen Inc.), the mitochondrial cytochrome *c* oxidase subunit I (mtCOI) amplified using forward primer L1384-CO1 and the reverse primer HCO 2198, and sequenced at the Rhode Island Genomics and Sequencing Center with a 3130X1 (ABI Inc.) sequencer.

Data format

Data is in an Excel file with Cruise, Station number, Date, and Latitude and Longitude of each station are at the top of the file. The species, our own internal haplotype identifier and internal sequence ID, and GenBank Accession number are at the head of each column, followed by the sequence of each haplotype. These sequences will be available after 1 Sept, 2014, to anyone who accesses GenBank.