DATA MANAGEMENT PLAN

Description of Data
  Transcriptome tags from the Ross Sea dinoflagellate and the haptophyte, *Phaeocystis antarctica* under normal culture conditions, as well as a series of transcriptome tags from experiments where the culture conditions are manipulated to examine the regulatory response of the dinoflagellate for the stolen plastid compared to the response by the intact cell.
  The data does not include any information on human subjects, socially controversial topics, or financial matters, and thus there are no personal privacy, confidentiality, security, or property rights concerns.

Data Management
  The UBC postdoctoral associate will assist the Gast group in transcriptome data management and the Gast lab will be the principal data curator for the project. The graduate student will also be trained in data management, and will assist with submitting/archiving the data. At the end of the project the Principal Investigator will be responsible for long-term data curation.

Data quality. Quality control checks for the high throughput sequencing will be accomplished by the company performing the sequencing service.

Data documentation. Sequence tag data will be stored in FASTA format. Files will be transmitted electronically between laboratories using Dropbox.

Data archival. Sequence data will be accessioned at GenBank, with copies of the electronic files archived on file servers at WHOI and UBC. Data will be retained throughout the careers of the Principal Investigators.

Sharing and dissemination of data
  The Principal Investigator, with the assistance of the postdoctoral scholar and graduate student, will ensure that results are published in the peer-reviewed primary literature and presented at national or international conferences in a timely manner.
  After publication of our research team's primary results, the data sets will be registered in publicly accessible data registries – primarily GenBank and at BCO-DMO, the Biological and Chemical Oceanography Data Management Office (http://bco-dmo.org). BCO-DMO was created in late 2006 to serve PIs funded by the NSF Geosciences Directorate (GEO) Division of Ocean Sciences (OCE) Biological and Chemical Oceanography Sections and (with augmented funding in 2010) Office of Polar Programs (OPP) Antarctic Sciences (ANT). BCO-DMO manages and serves oceanographic biogeochemical, ecological, and companion physical data and information developed in the course of scientific research and contributed by the originating investigators. The BCO-DMO data system facilitates data stewardship, dissemination, and storage on short and intermediate time-frames.