

## DATA MANAGEMENT PLAN

**We have read and agree to abide by the Division of Ocean Sciences Data and Sample Policy.**

All metadata associated with the project will be deposited with Biological and Chemical Oceanography Data Management Office (BCO-DMO); this metadata will include collection sites and times, any associated environmental data, and data from the tank-based transmission experiments.

Genetic data produced from this project include physical samples (tissues, DNA, RNA and protein) as well as significant amount of digital data in the form of DNA/RNA sequencing data (pre- and post-processed) and protein sequencing data. All sequencing data (from raw data to the full assemblies and annotations) will be stored and fully RAIDed on our genomic servers during the processing and analyses phase and backed up on Amazon S3 Glacier servers to prevent data loss. We are committed to making the results of this project open access. As such, all of the sequencing data will be archived on DRYAD and the NCBI databases as well as made available upon request via secure FTP. All of the computer code used to create and analyses the -omic data will be posted on GitHub.

Physical samples will be deposited into -80°C chest freezers at the Marine Science Center, Nahant, MA and archived in the cryobank at the Ocean Genome Legacy (Nahant, MA), which will ensure open access to the genetic material used in the project.

All data will be labelled and mapped appropriately to ensure that outside researchers can trace files from start to finish using sample names. Readme files will be produced mapping the sources and locations of these files. Vollmer and the postdoc will jointly curate the data to ensure that data in order to ensure that the integrity of the data is maintained by key personnel. All computer code used to create and analyze the -omic data will be posted on GitHub (<http://github.com/svollmer>) using clearly labeled, coded-notebook formats.

All of the outreach products will be distributed via the web on Vollmer's website as well as on the MSC Educator Resources page, and the websites of The Massachusetts Marine Educators, the North American Association for Environmental Education, and the National Marine Educators BRIDGE).