

DATA MANAGEMENT PLAN – AUBURN UNIVERSITY

Data in the proposed project falls into three categories: (1) survey data on corals that are resistant to bleaching and corals that recovered from bleaching and associated location. (2) data from biochemical assays on larval and adult coral samples. (3) genomic data in the form of SNPs and RRBS.

We propose the following Data Management Plan:

- (1) Dryad (<http://datadryad.org/>) will be used as a repository for survey, organismal and physiological data.
- (2) 2bRAD and RRBS datasets will be deposited in the NCBI Sequence Read Archive (SRA) database (<https://www.ncbi.nlm.nih.gov/sra>). Finalized metadata will accompany these depositions. Analysis scripts and pipelines will be publicly available on Dr. Strader's github page (<https://github.com/mariestrader>).
- (3) All data and metadata associated with the proposed projects will be archived at BCO-DMO under a new project managed by PI Strader, as well as on the PI's webpage.

Data management activities for the project will be coordinated by the PI with assistance from all project participants. In addition, we intend to follow established procedures regarding the publication of physiological and genetic data pursuant to the standards of the publishing journal. These archive details will be included in annual reports for the project.