**Intraspecific variation in polar and nonpolar metabolite profiles of a threatened Caribbean coral**

NMR sample preparation

Metabolomic analyses were performed at the Southeast Center for Integrated Metabolomics (SECIM) at the University of Florida. Dried powder of aqueous phase samples acquired from methanol/chloroform extraction were dissolved in 50mM sodium phosphate buffer with 0.5mM D6-deuterated sodium trimethylsilylpropanesulfonate (DSS-d6). NMR spectra were measured using the first slice of a NOESY pulse sequence (tnnoesy) using 14.1 T Bruker Avance II NMR system with a CP TXI CryoProbe. The acquisition parameters used in Lohr et al. (2019) and Myer et al. (2020) were utilized to acquire proton spectra. All spectra were processed and the integrated area was extracted using MestReNova 11.0-17609 (Mestrelab Research S.L.). Before Fourier transformation, baseline correction and phase correction were applied with a line-broadening factor of 0.22 Hz and spectra were normalized with respect to a DSS signal at 0.0 ppm.