**Variability in metabolomic profiles among unique genotypes of *Acropora cervicornis***

NMR sample preparation

Corol holobiont extract (in methonol) was added to double distilled water (1:2 v/v of sample to water), then flash freeze lyophilized (Labconco) until dry. Lyophilized dry powder was re-suspended in phosphate buffer in deuterium oxide at pH 7. The final volume for the 1H-NMR samples was 60 μL (in a 1.5 mm O.D. tube) with 90 % (v/v) of deuterated 50 mM sodium phosphate buffer (pH 7) with 2 mM of ethylene diamine tetra-acetic acid (EDTA). The remaining 10 % (v/v) was occupied by an internal standard [5 mM D6-4,4-dimethyl-4-silapentane-1-sulfonic acid (DSS-D6) and 0.2% sodium azide in deuterated environment; Chenomx, Inc.].