

Supplementary Table S1: Summary of significant differences between groups for morphometric measurements.

Supplementary Table S2. Significantly differential taxa between groups C and CM, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).ç

Supplementary Table S3. Significantly differential taxa between groups CM and FM5, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).

Supplementary Table S4. Significantly differential taxa between groups FM5 and FM2, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).

Supplementary Table S5. Significantly differential taxa between groups FM5 and FM3, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).

Supplementary Table S6. Significantly differential taxa between groups FM5 and FM4, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).

Supplementary Table S7. Significantly differential taxa between groups FM1 and CM, including difference coefficients, standard deviations, number of samples compared, number of samples in which each taxon was present, p values, and q values (FDR).

Supplementary Table S8. Morphometric raw data.

Supplementary Table S9. Taxons abundances raw data.