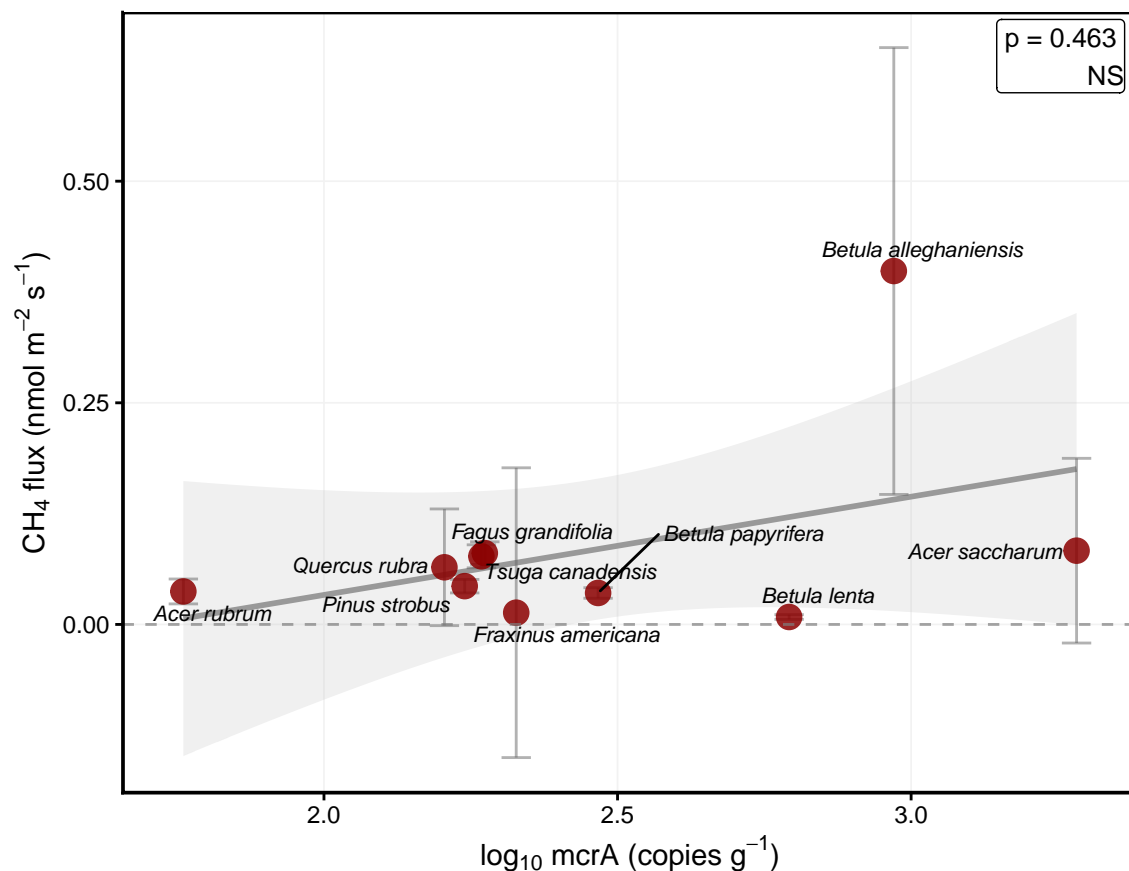
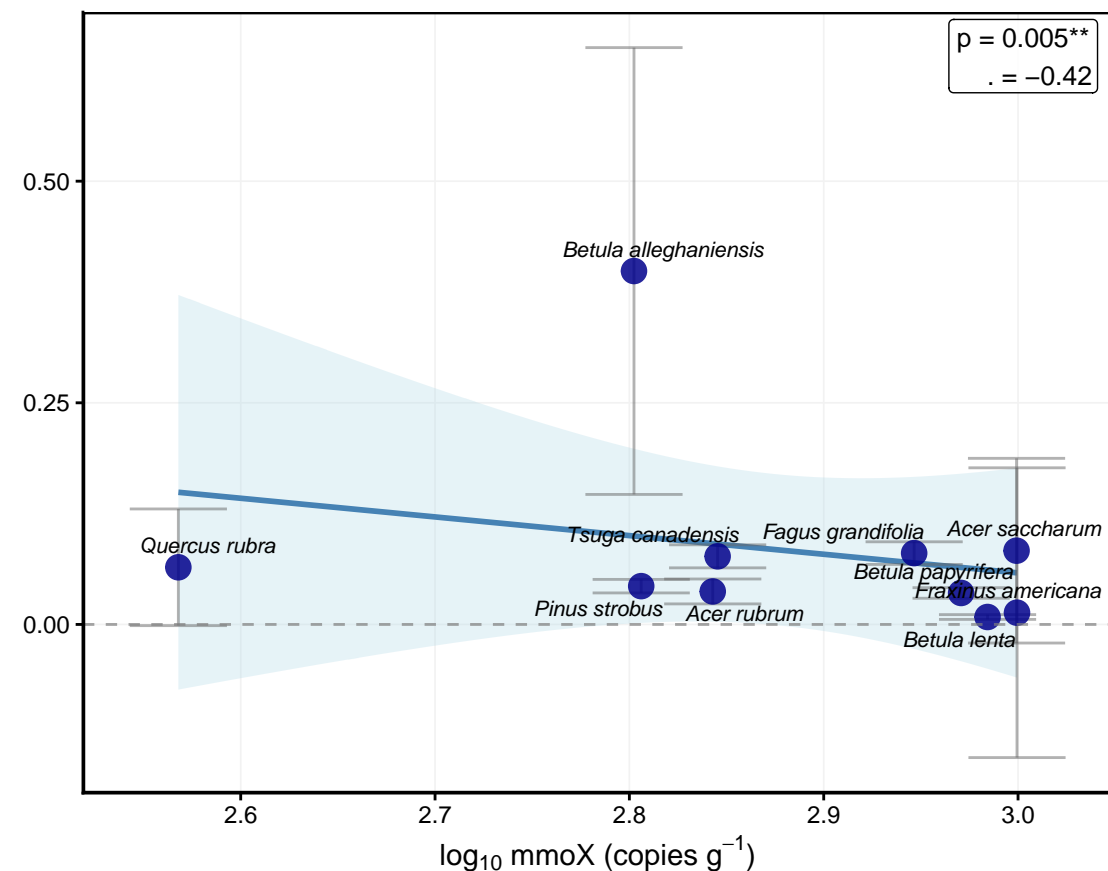


Area-Weighted Gene Abundance vs CH₄ Flux

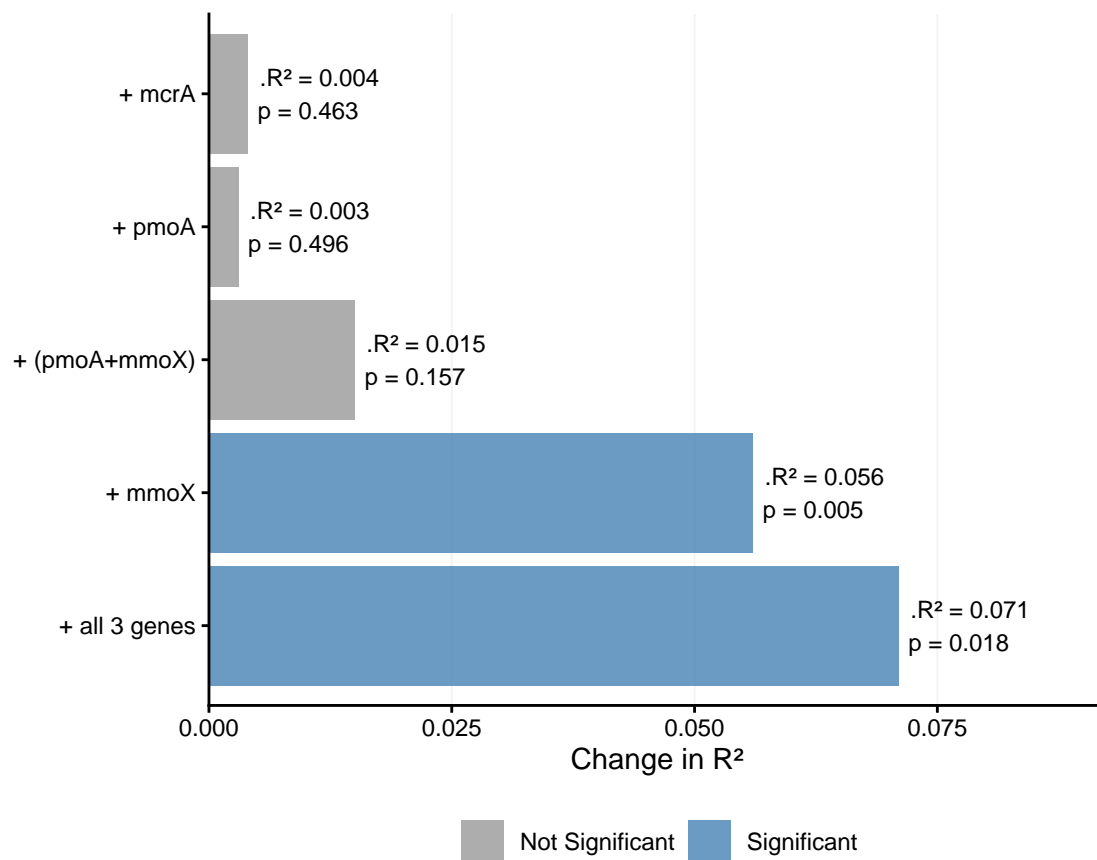
A) Methanogens (mcrA)



B) Methanotrophs (mmoX)



C) Model Improvement (.R² from species-only)



D) Gene Effects (Full Model)

