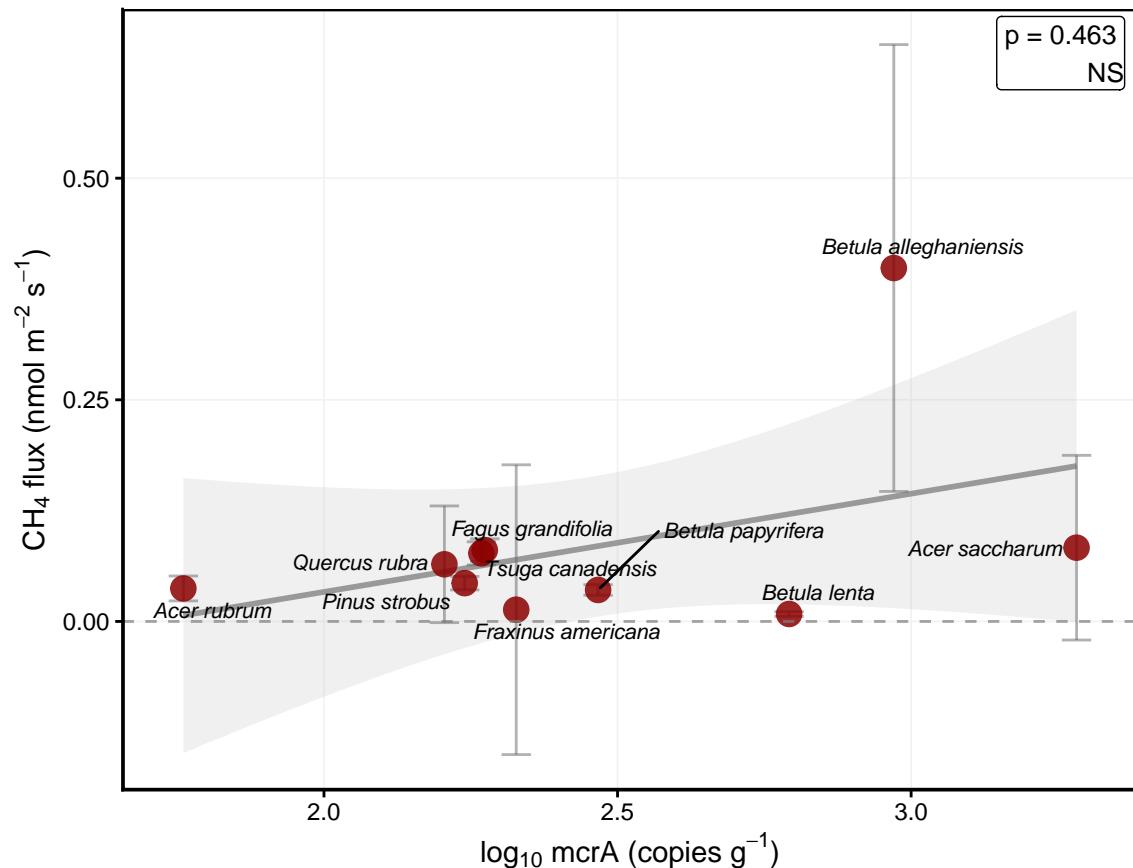
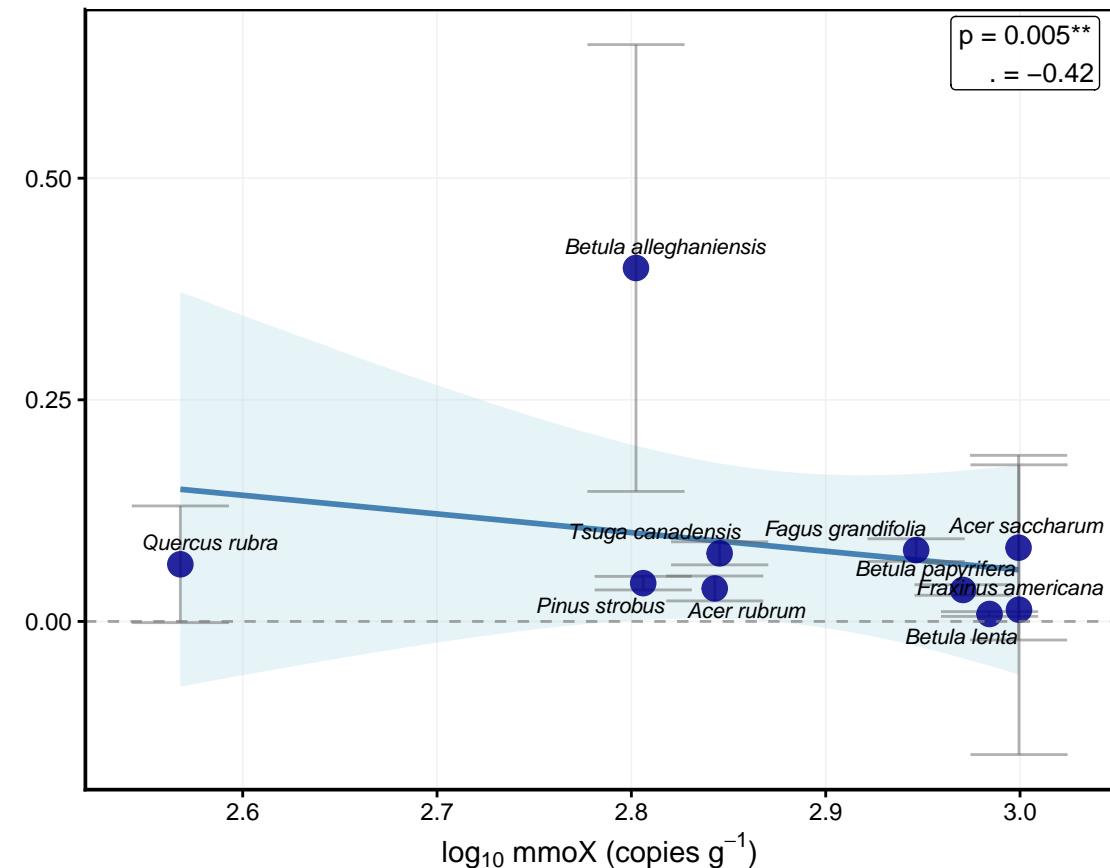


Area-Weighted Gene Abundance vs CH₄ Flux

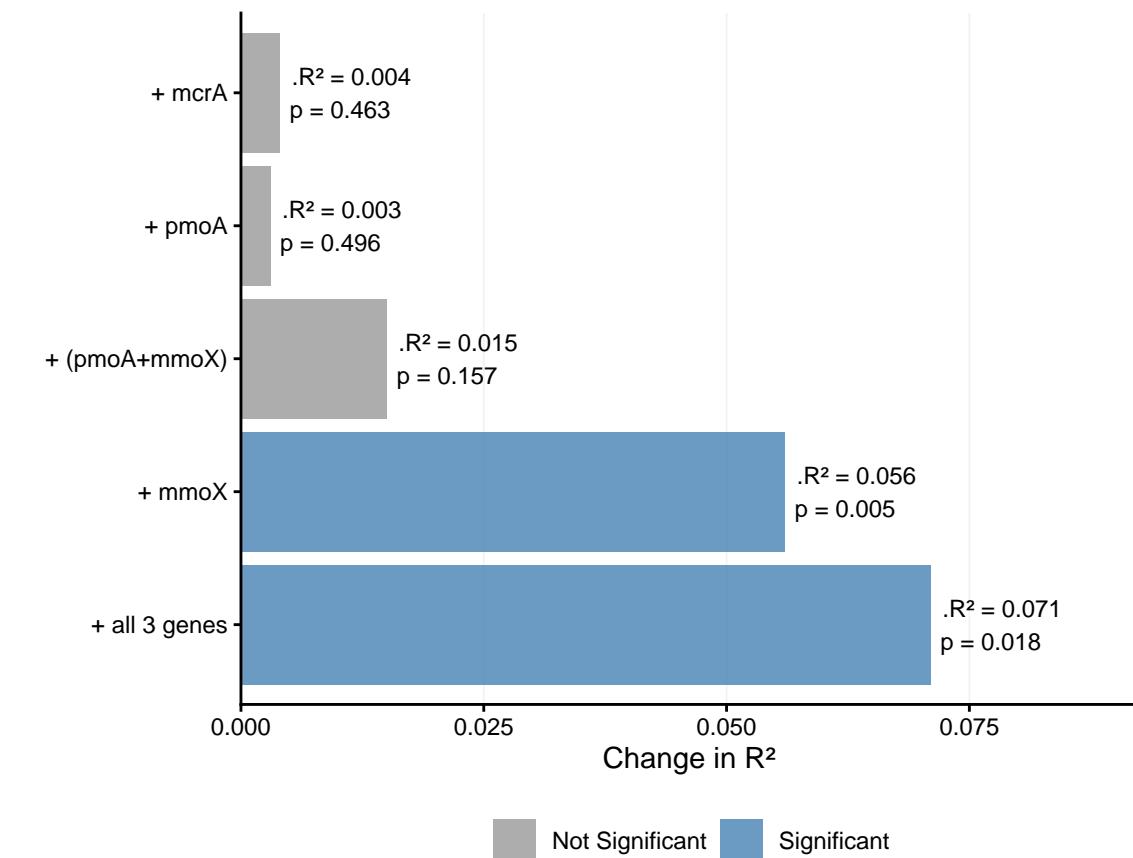
A) Methanogens (*mcrA*)



B) Methanotrophs (*mmoX*)



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



D) Gene Effects (Full Model)

