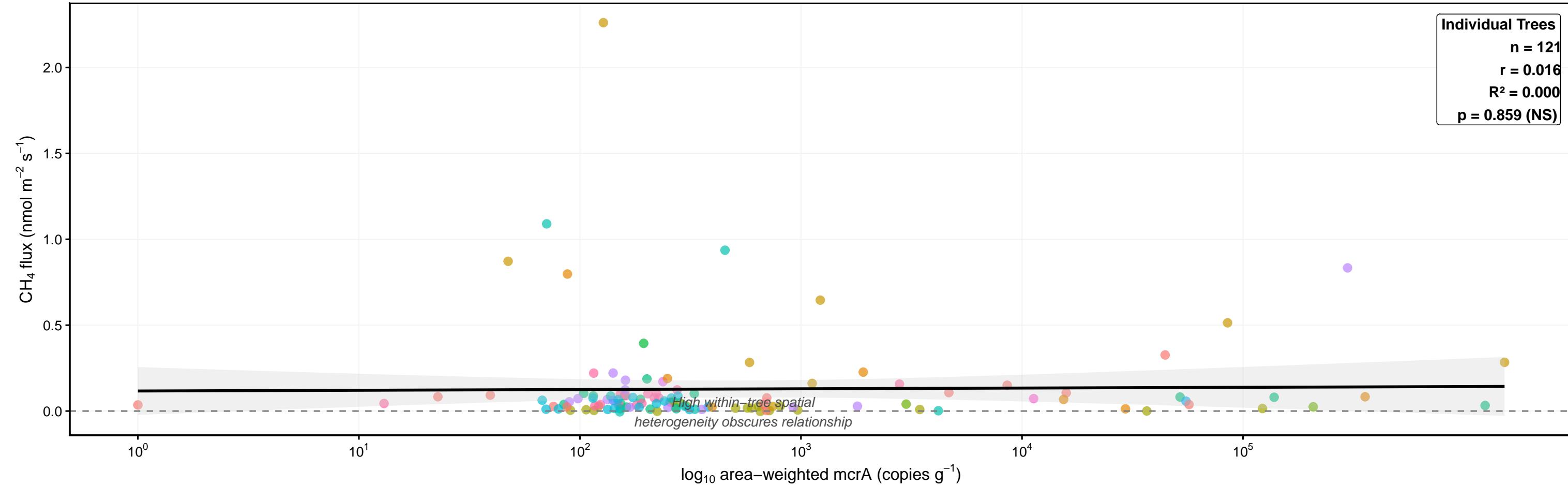


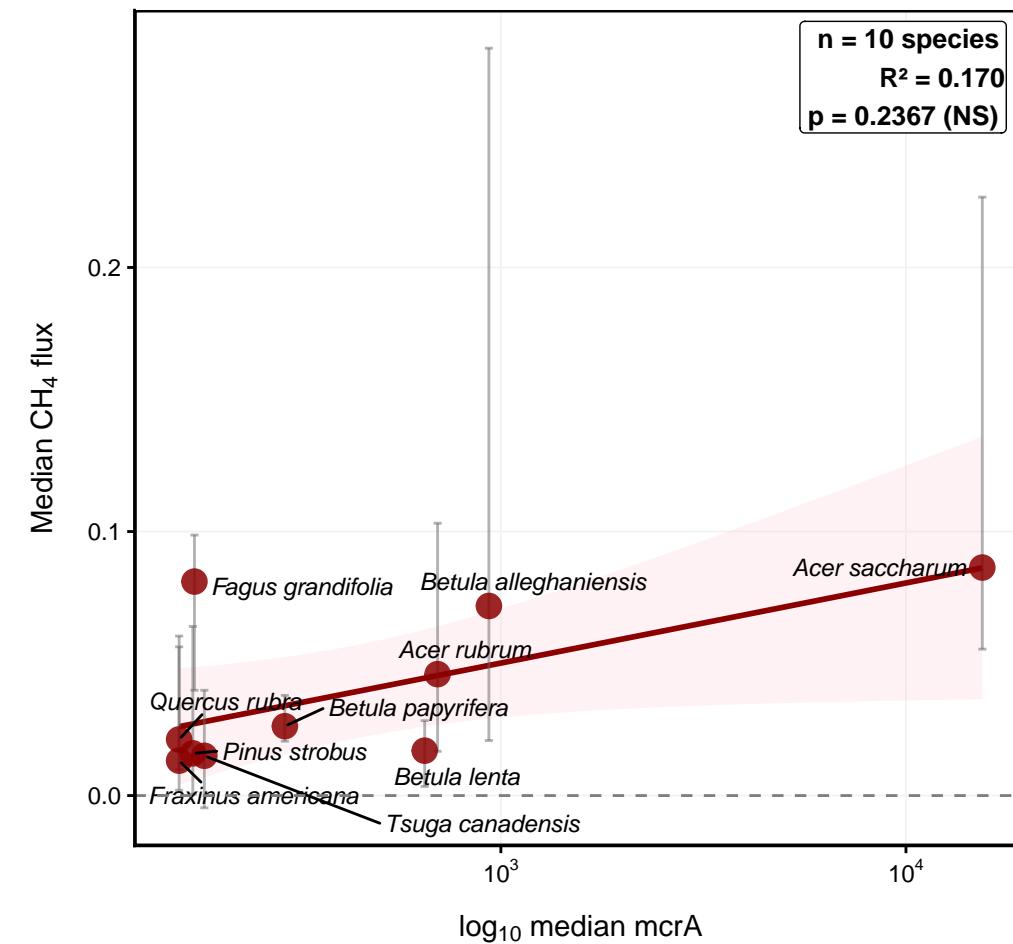
Scale-Dependent Gene–Flux Relationships

Individual trees (n=121) show weak correlation; Species aggregation (n=10) reveals strong production–oxidation balance

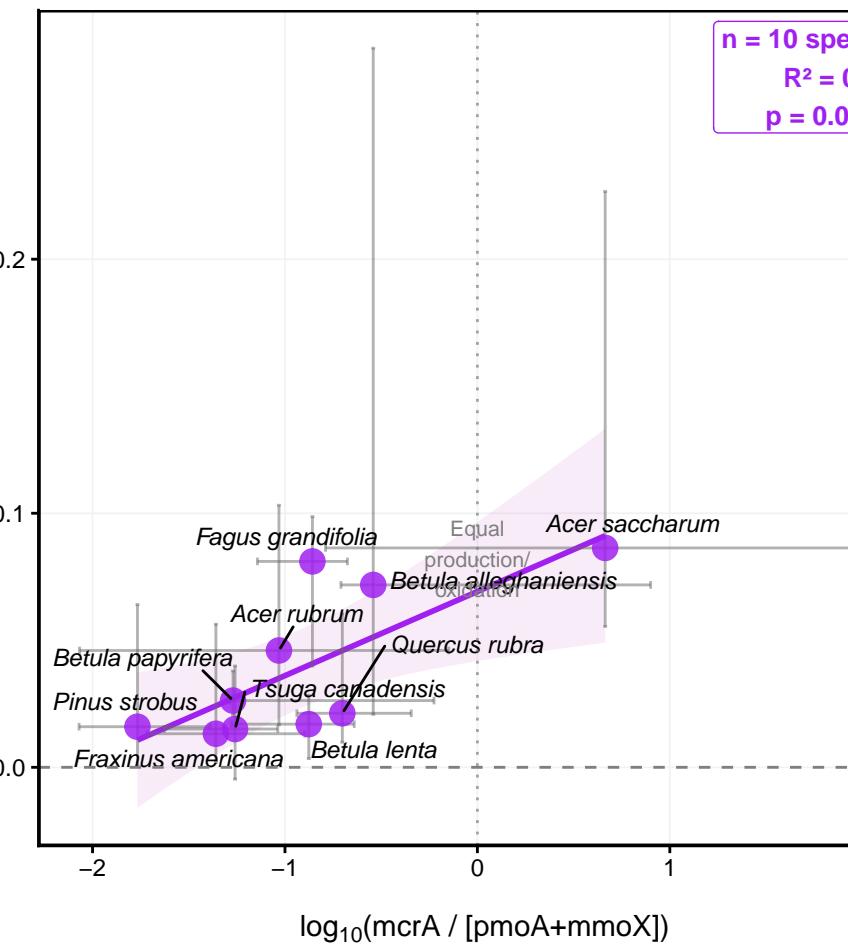
A) Individual Tree Level: mcrA vs Flux



B1) mcrA alone

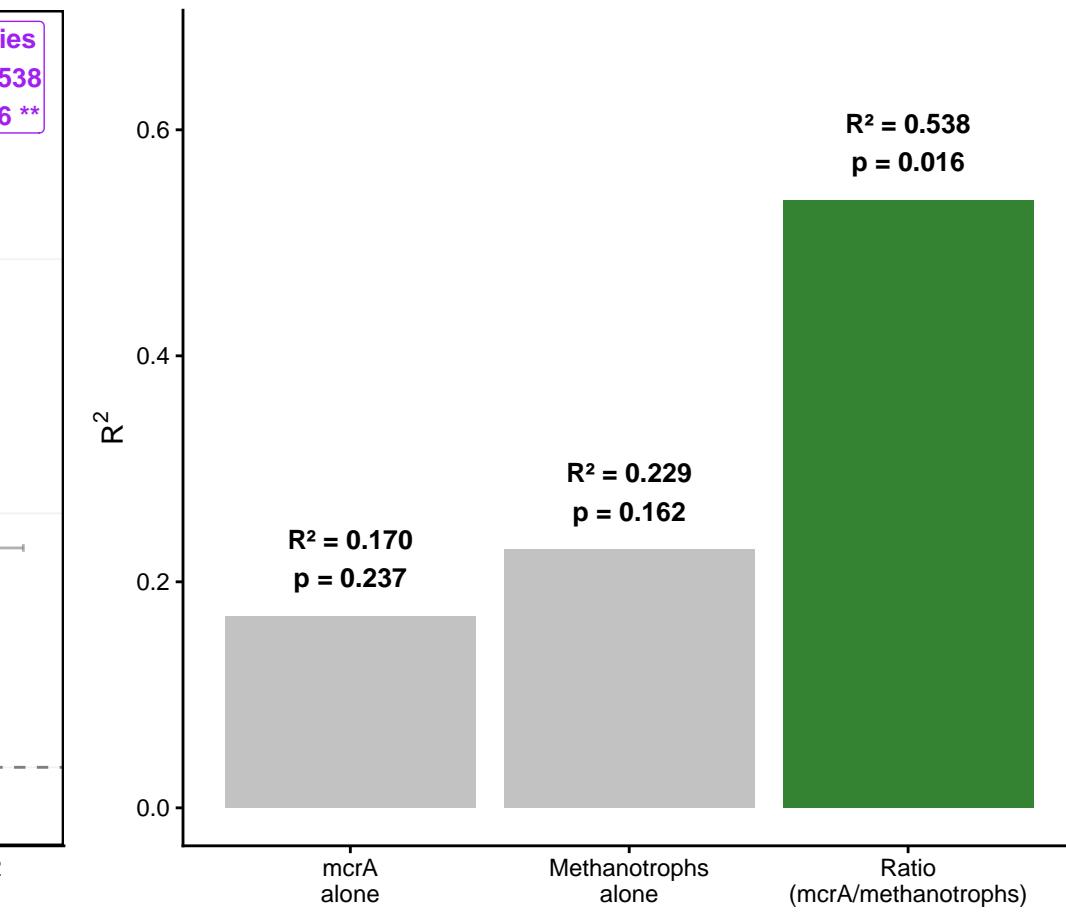


B2) Production:Oxidation Ratio



B3) Model Comparison

Same dataset (n=10 species with both genes)



Significance p >= 0.05 p < 0.05