Relative community abundance & phylogenetic distance as predictors of lassa prevalence 100 Total community abundance 100 200 300 75 Prevalence of lassa infection (%) Assay Ab/Ag Culture 50 **PCR** Phylogenetic distance to reservoir 25 0.75 0.50 0.25 0.00 0.50 0.00 0.25 0.75 1.00 Relative community abundance of rodent species