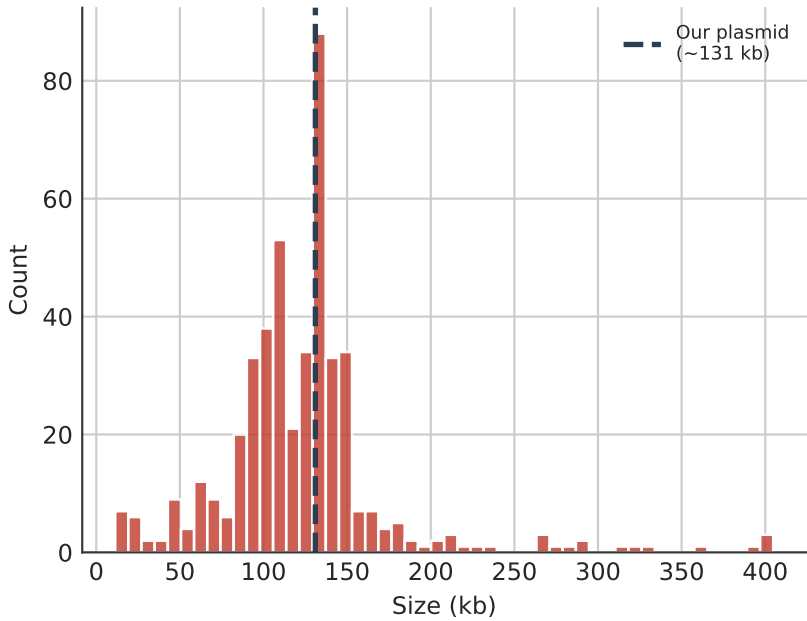
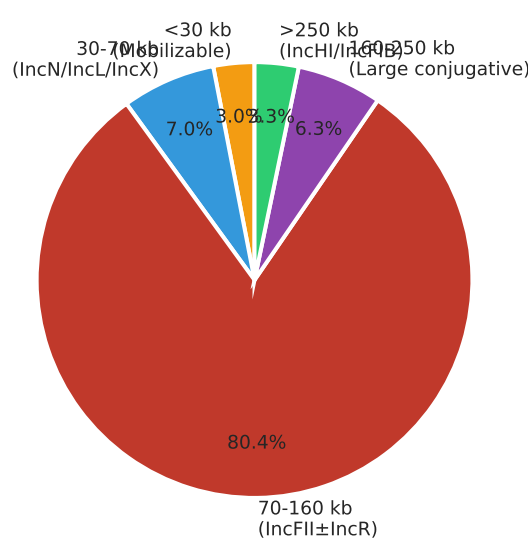


Cassette-Carrier Plasmid Association Analysis
Tn4401-like *bla*_{KPC-2} Cassette (n = 460 plasmid-borne hits)

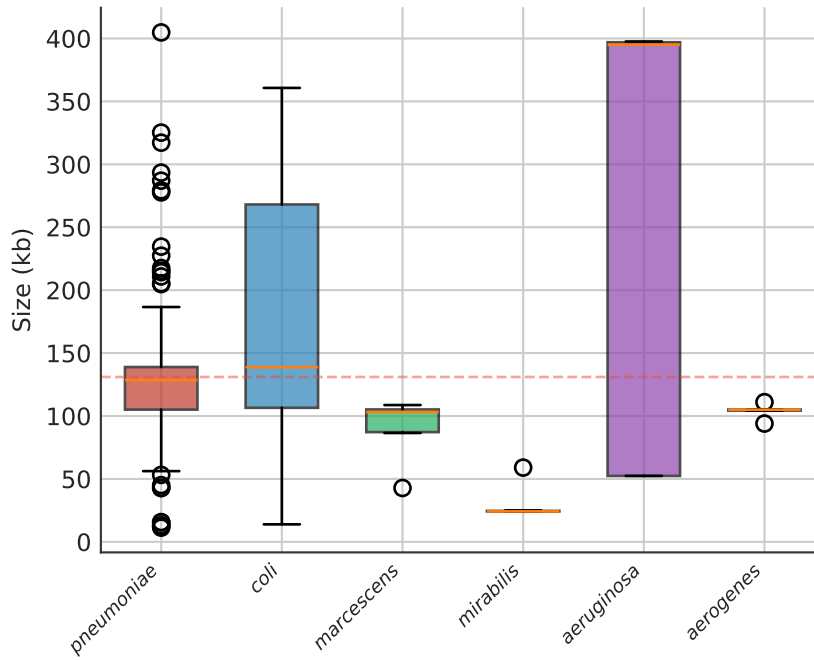
A. Plasmid Size Distribution



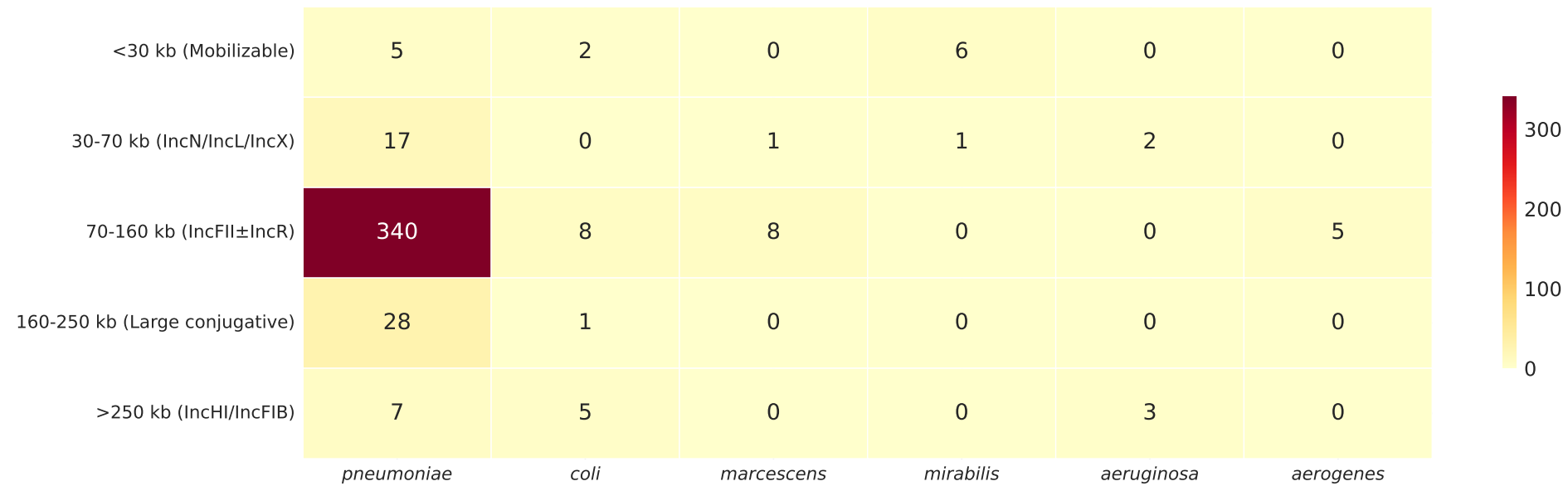
B. Size Class Distribution



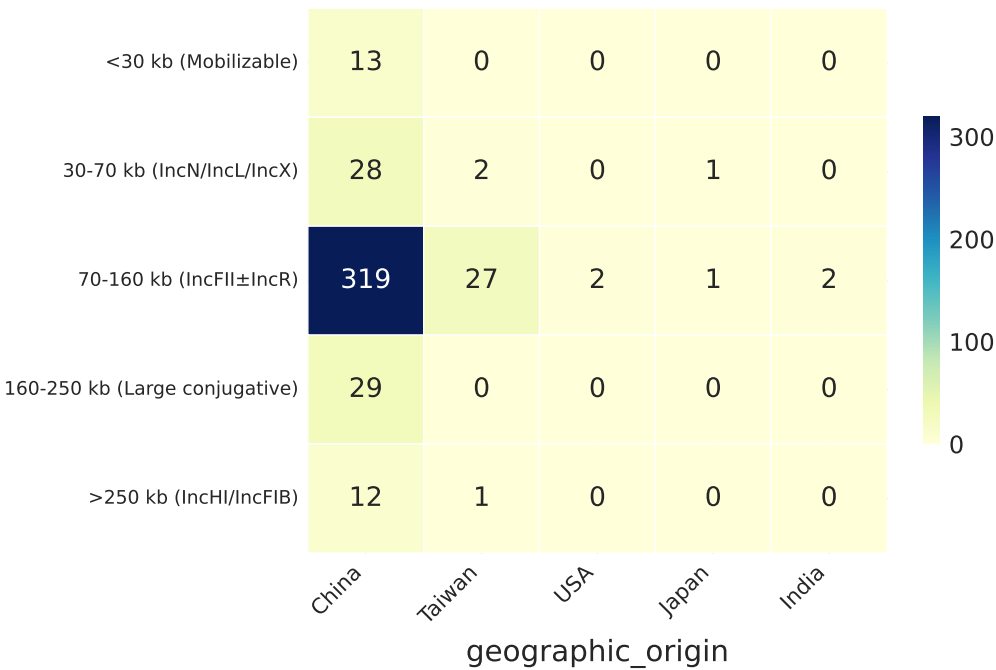
C. Size by Species



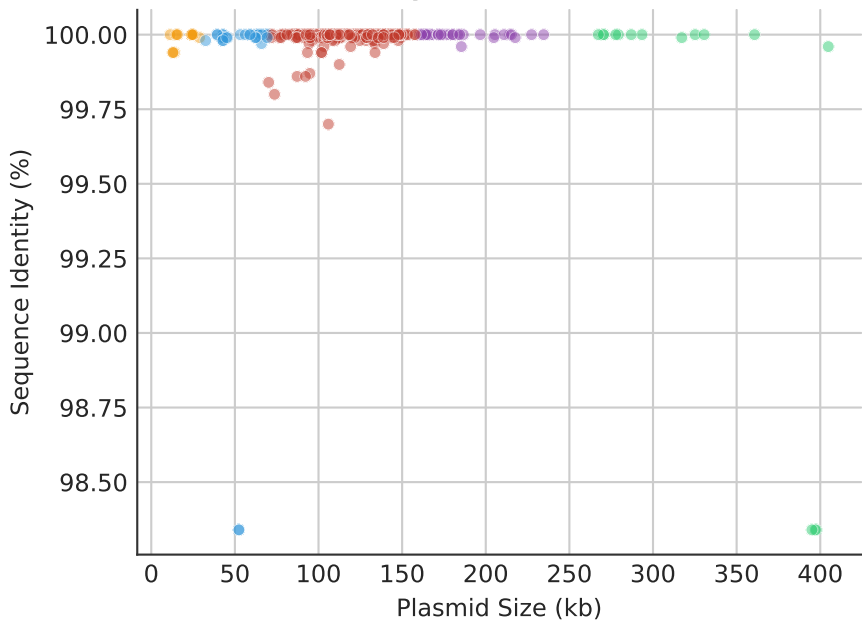
D. Plasmid Size Class × Species



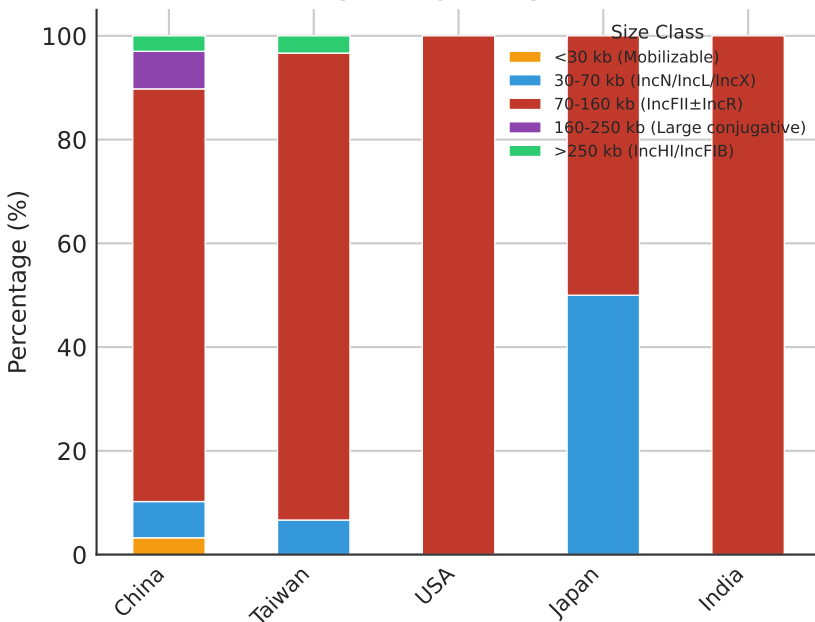
E. Size × Geography



F. Size vs Identity



G. Size Class by Geography (%)



H. Summary Statistics

KEY FINDINGS

Total plasmid carriers: 460

Dominant size class:
70-160 kb (IncFII±IncR): 370 (80.4%)

Similar to our ~131 kb plasmid:
120-140 kb range: 141 (30.7%)

K. pneumoniae in 70-160 kb:
340 (73.9% of all carriers)

Median size: 124.3 kb
IQR: 99.9-138.1 kb

Interpretation:
The Tn4401-like *bla*_{KPC-2} cassette is predominantly carried on ~100-140 kb IncFII(pHN7A8)±IncR plasmids, consistent with clonal spread of a conserved plasmid lineage.