

Supplementary Materials

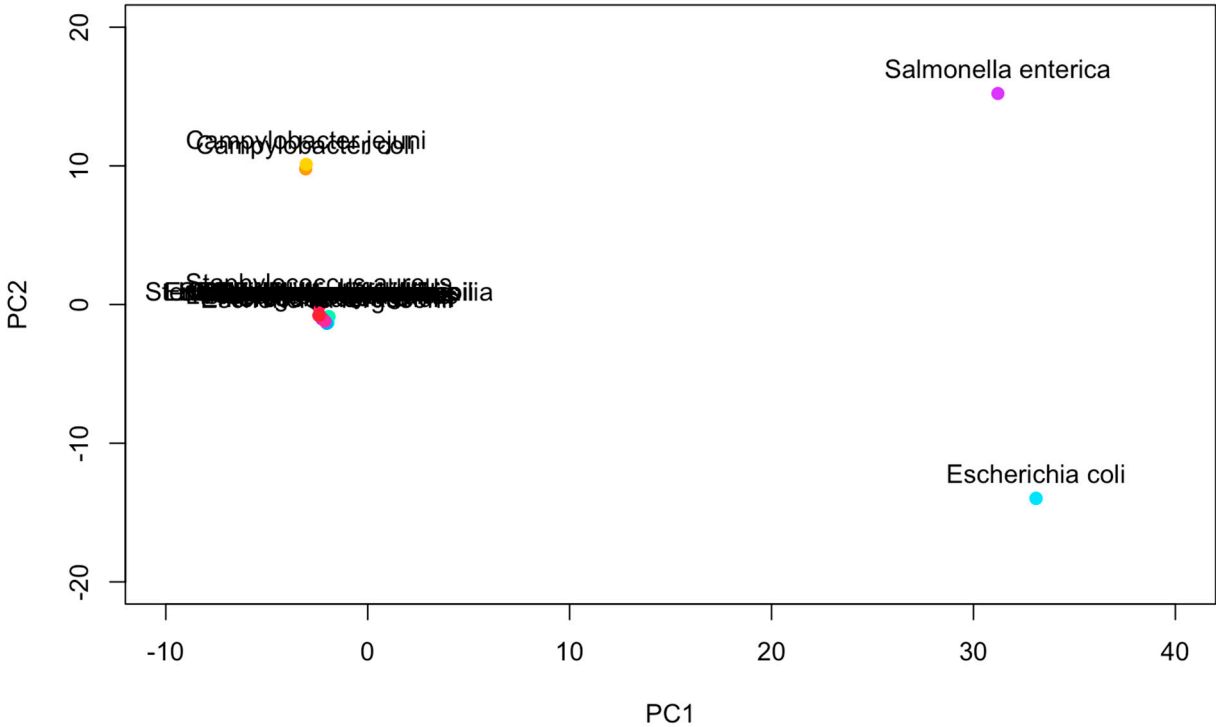


Figure S1. The projection of foodborne pathogens isolated from cattle in the U.S. onto the PC1~PC2 space.

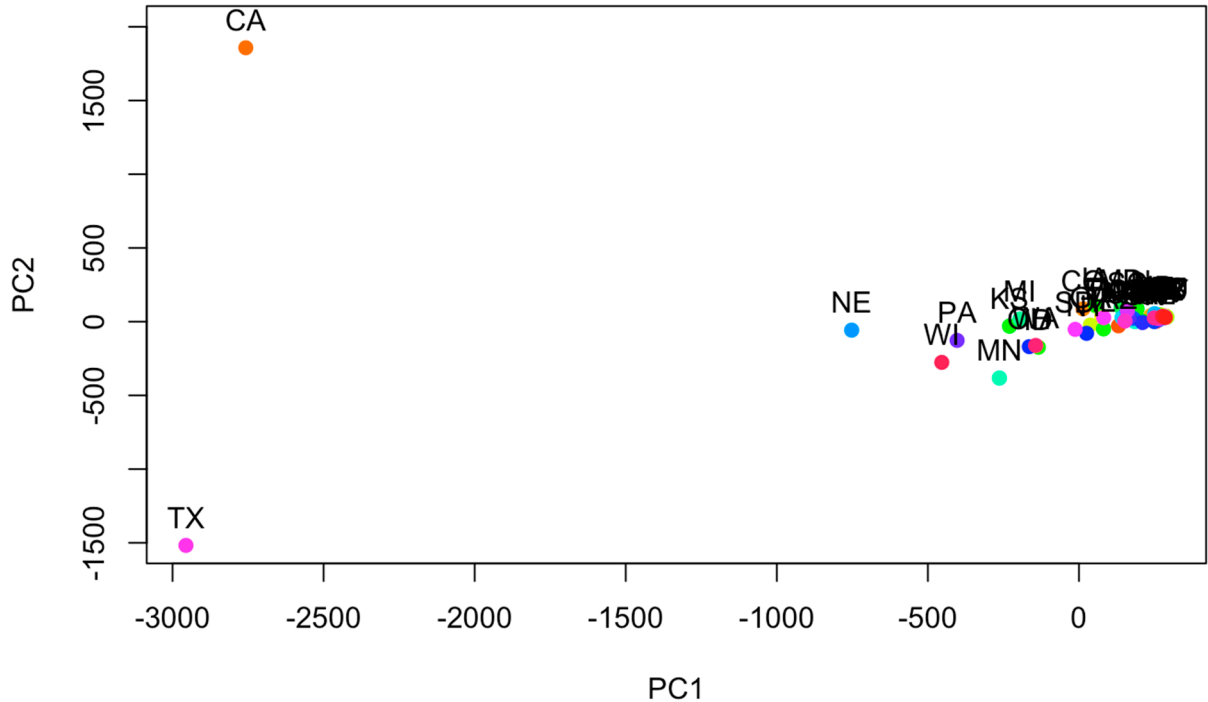


Figure S2. The projection of U.S. states base upon AMR genes detected in them.

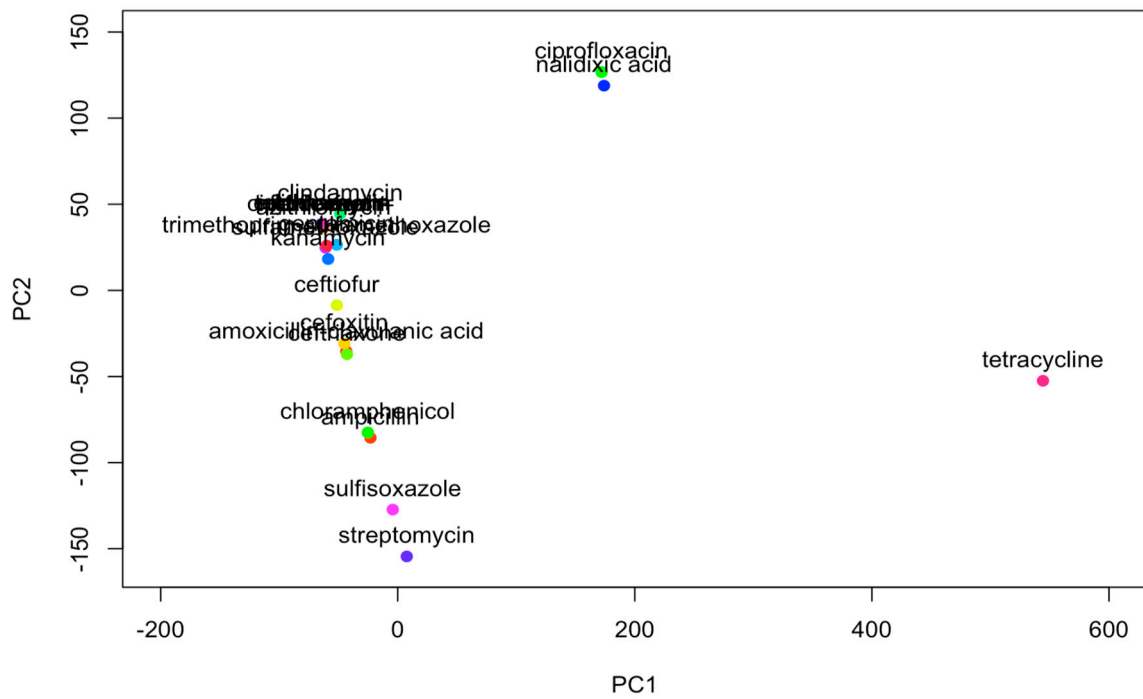


Figure S3. Principal component analysis performed for antimicrobials that pathogens resist in U.S. cattle.

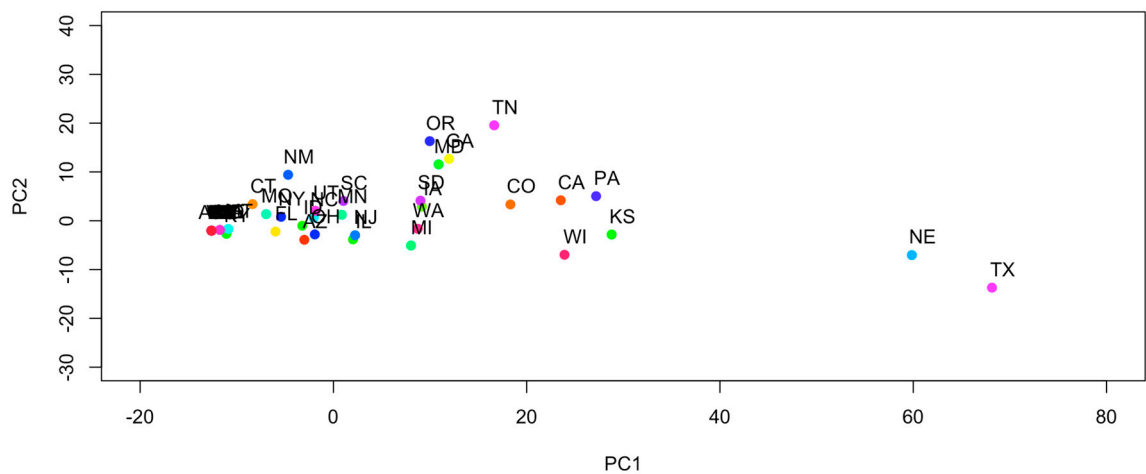


Figure S4. PCA performed to find states that had cattle that were most resistant to antimicrobials;

