**SAS CODE for the Multivariable binary logistic regression model of the associations between host factors and antimicrobial resistance among Escherichia coli isolated from samples from Indiana.**

**proc** **logistic** data=Work.Ekakoro descending;

class Age\_Dummycoded(ref="0")Breed(ref="1") Isolation\_Source(ref="0") / param = glm;

model AMR = Age\_Dummycoded breed Isolation\_Source /selection=backward lackfit;

Lsmeans Age\_Dummycoded breed Isolation\_Source / e diff oddsratio cl ilink;

**run**;