

Supplementary Material:

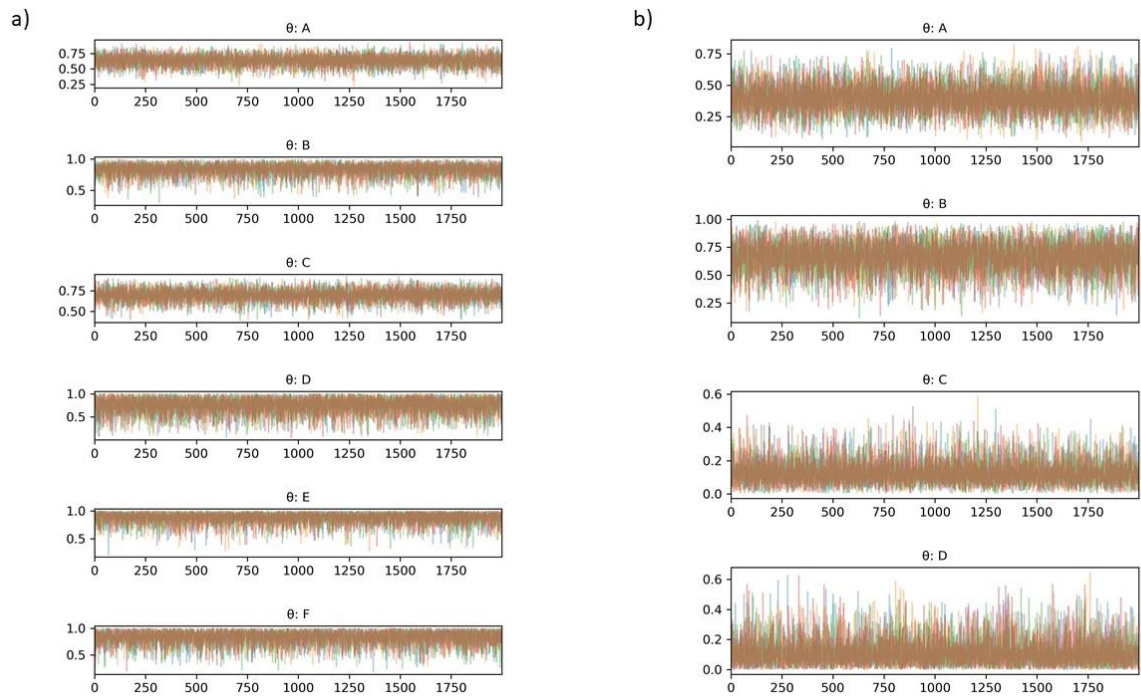


Figure S1. Traceplots of model parameter  $\theta$  for each market from chicken (a) and pork (b) samples showing satisfactory Markov Chain Monte Carlo convergence. Gelman-Rubin statistic demonstrated convergence ( $R^{\wedge} = 1$  in all cases).

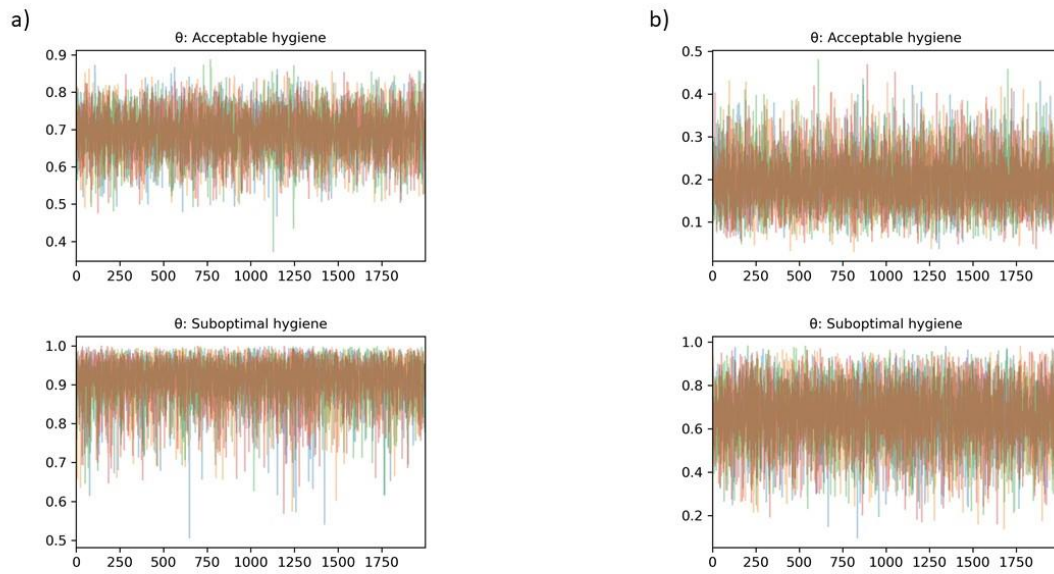


Figure S2. Traceplots of model parameter  $\theta$  for each level of hygiene from chicken (a) and (b) pork samples showing satisfactory Markov Chain Monte Carlo convergence. Gelman-Rubin statistic demonstrated convergence ( $R^{\wedge} = 1$  in all cases).

Reference:

Gelman A, Rubin DB, 1992. Inference from iterative simulation using multiple sequences. Stat Sci 7: 457–472.