

# 1 Trace plots for known exposure

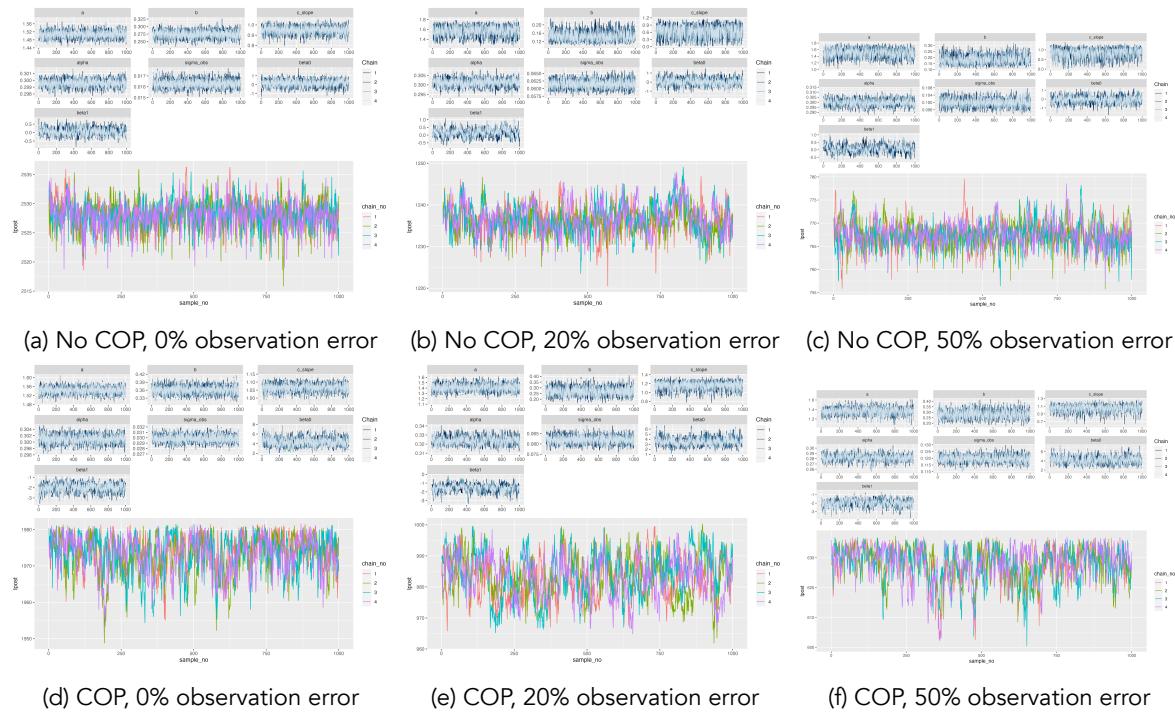


Figure 1: Simulation recovery of infection status and epidemic curve for two COP models (top: No COP, bottom: logistic COP) and three different levels antibody kinetics variability (0%, 20%, 50%)

## 2 Trace plots for Inferred exposure

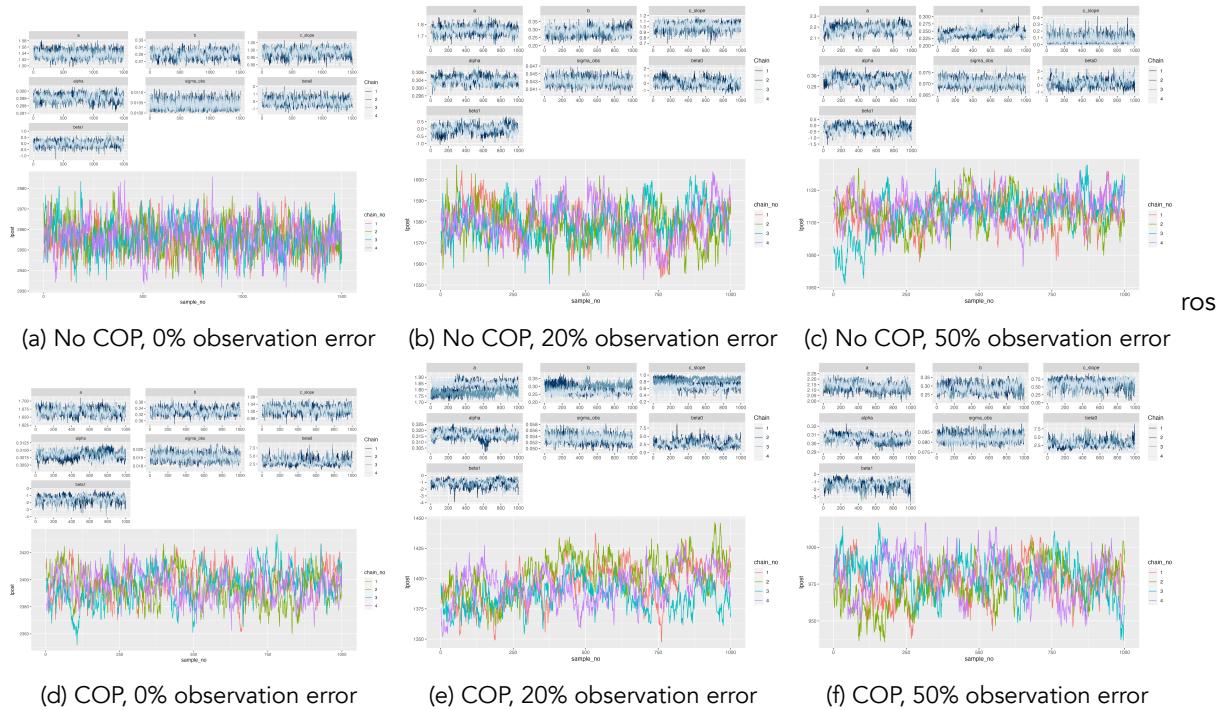


Figure 2: Simulation recovery of infection status and epidemic curve for two COP models (top: No COP, bottom: logistic COP) and three different levels antibody kinetics variability (0, 20%, 50%)