Web-based Supplementary Materials for A Robust Bayesian Random Effects Model for Nonlinear Calibration Problems by Fong, Wakefield, De Rosa and Frahm



Area between curves.



Simulation truth.





Mean-variance relationship of the plate effect for c and d. The solid lines are lowess lines.



Sensitivity to prior specification under the g-h parameterization for the motivation example. Only results for the LMX010 plate are shown. The posterior medians of the parameters are plotted. The default and the substantive fits in the two panels are idential. The left panel also shows fits from using substantive priors on c, d, and  $\log(f)$  and less substantive priors on g and  $\log(h)$ . The right panel also shows fits from using substantive priors on c, d, and  $\log(f)$  and less substantive priors on g and  $\log(h)$  and less substantive priors on c, d, and  $\log(f)$ .