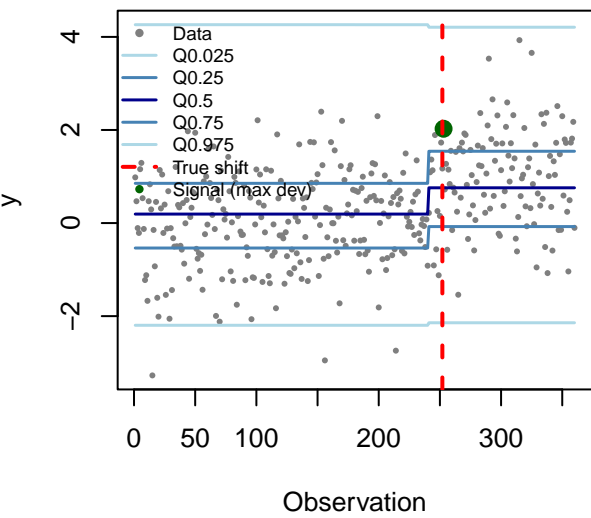
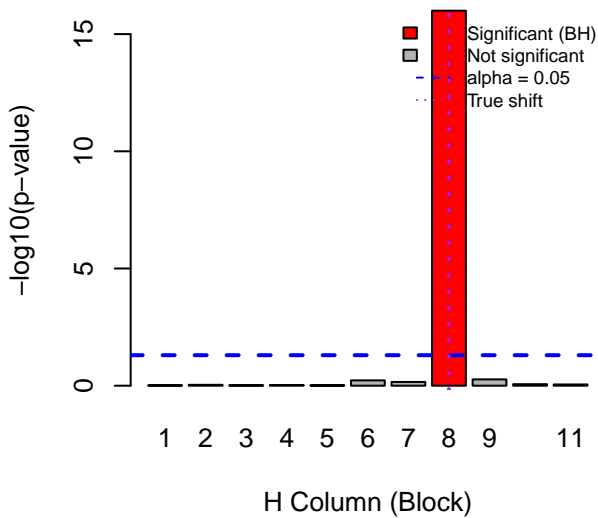


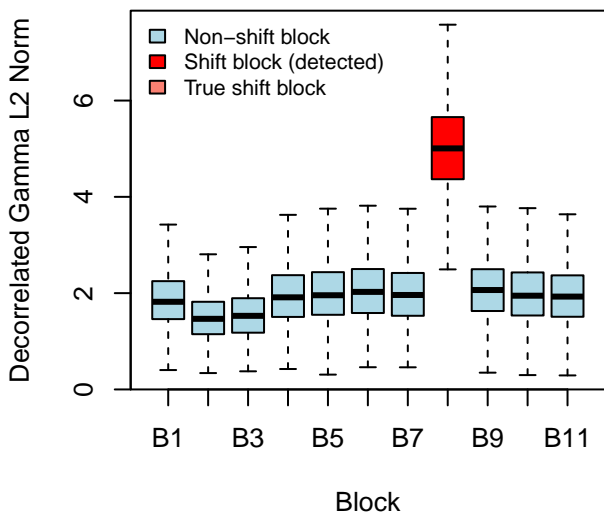
Simulated Data with Quantile Estimates



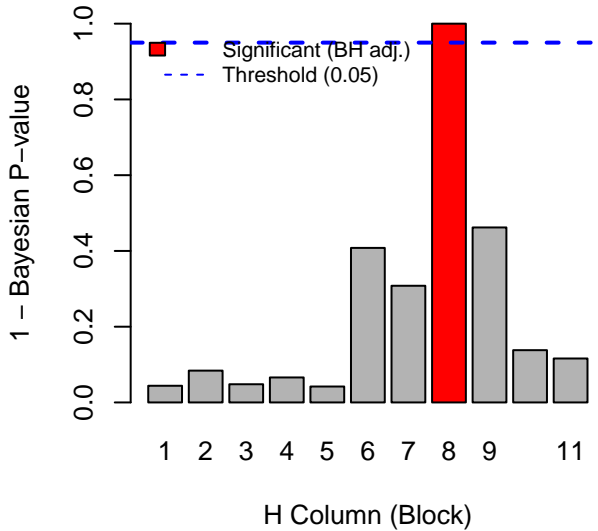
Block-Level P-Values (BH/FDR Method)



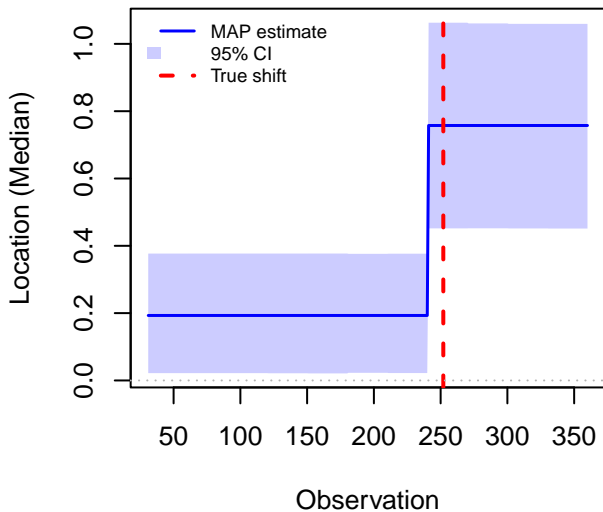
Box Plot: Decorrelated Gamma by Block



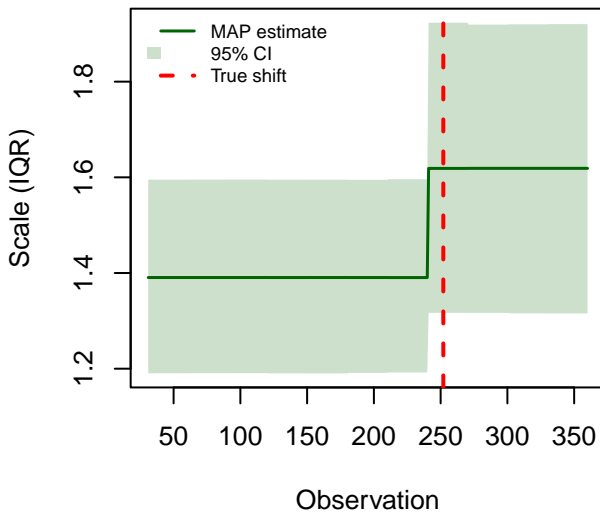
Bayesian P-values (1 - p)



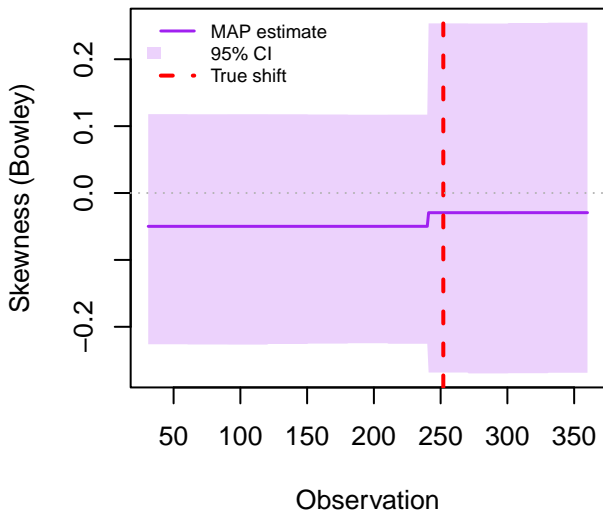
QSS: Location



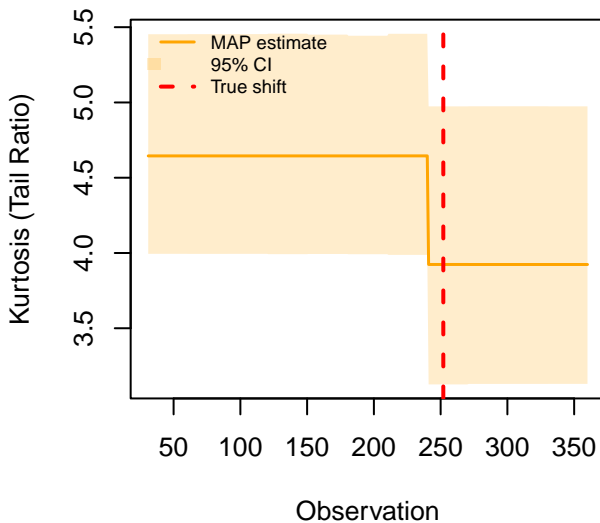
QSS: Scale



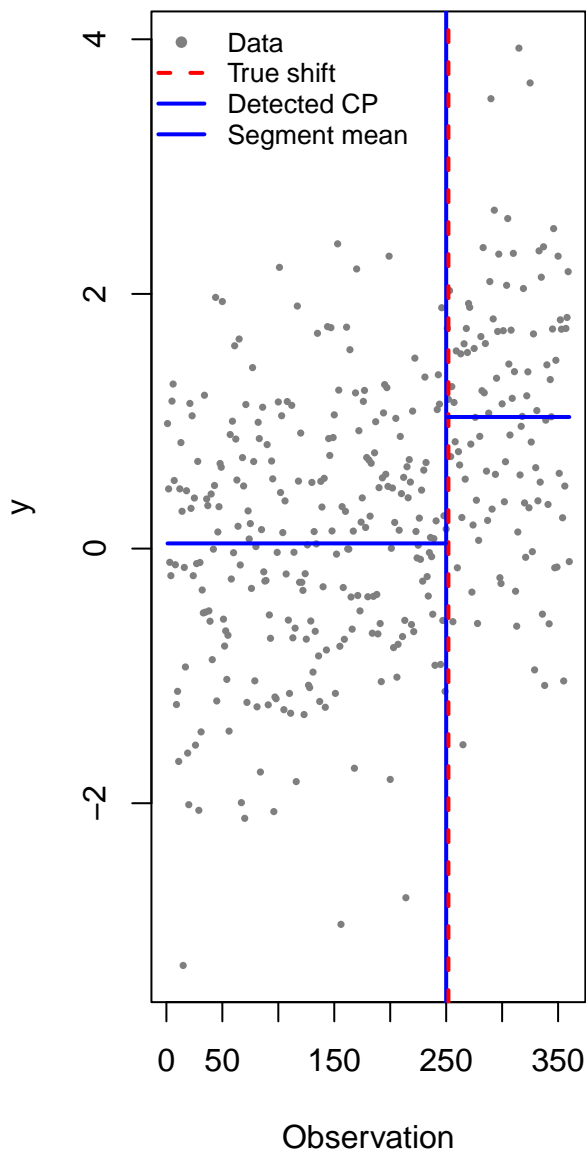
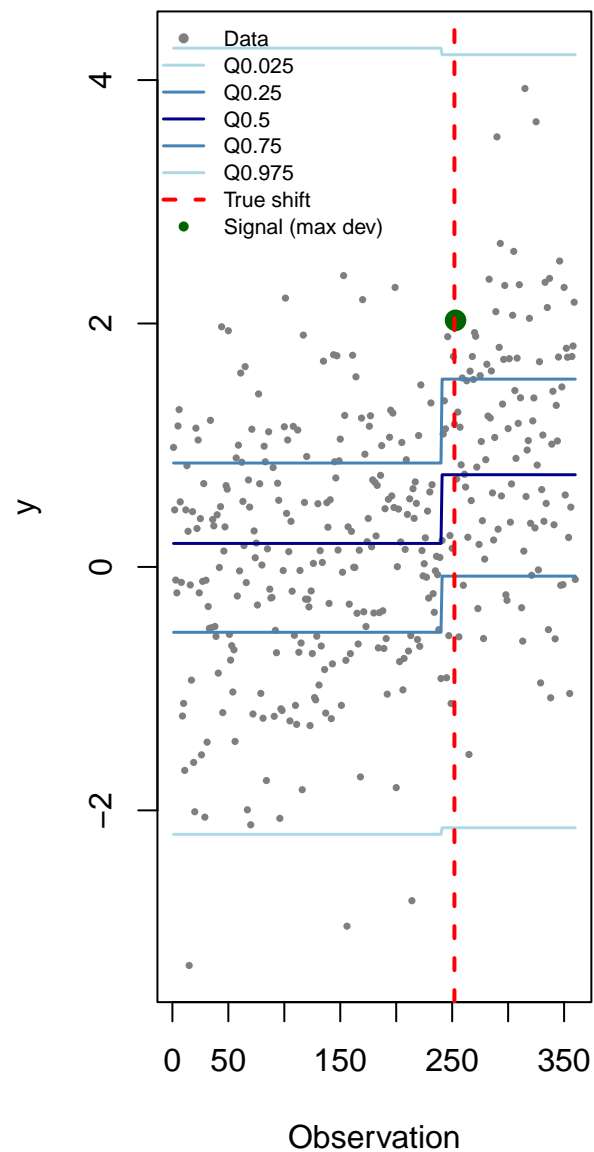
QSS: Skewness



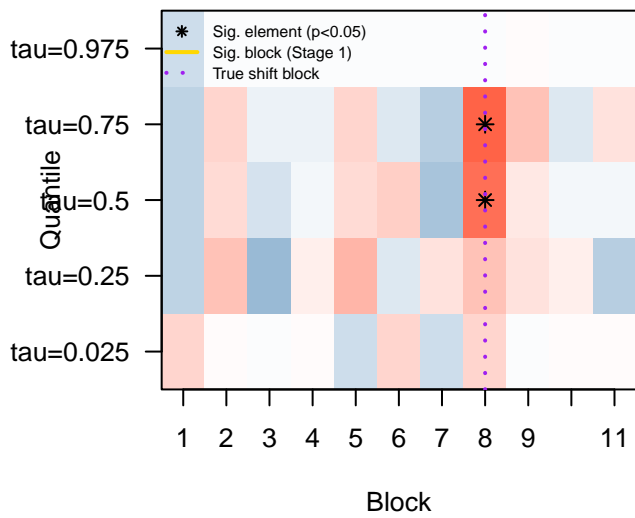
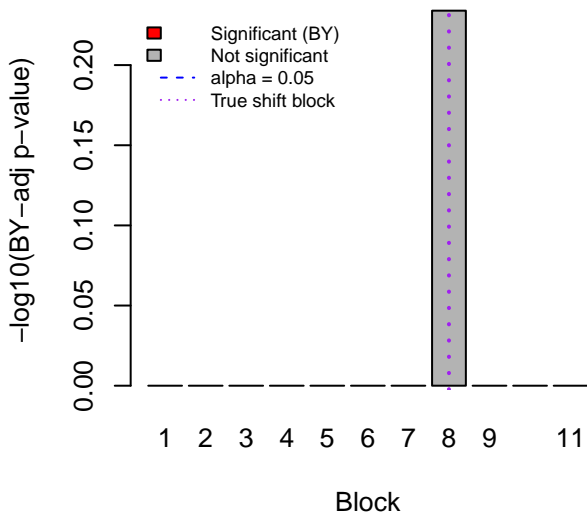
QSS: Kurtosis



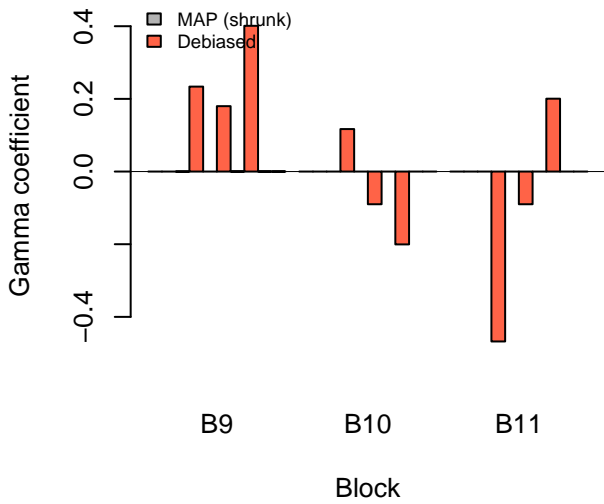
Method (Data-Adaptive Penalties, BH/FDR) $\rho_{\text{pt.mean}}\text{var}$ (Asymptotic, pen.value =



1: Block-Level Chi-Squared Test (Mitra & ZIscores from Debiased Gamma (per quantile x



MAP vs Debiased Gamma (Significant Bloc



o significant blocks detecte
at Stage 1