

## Supplementary Material

1. Figure S1

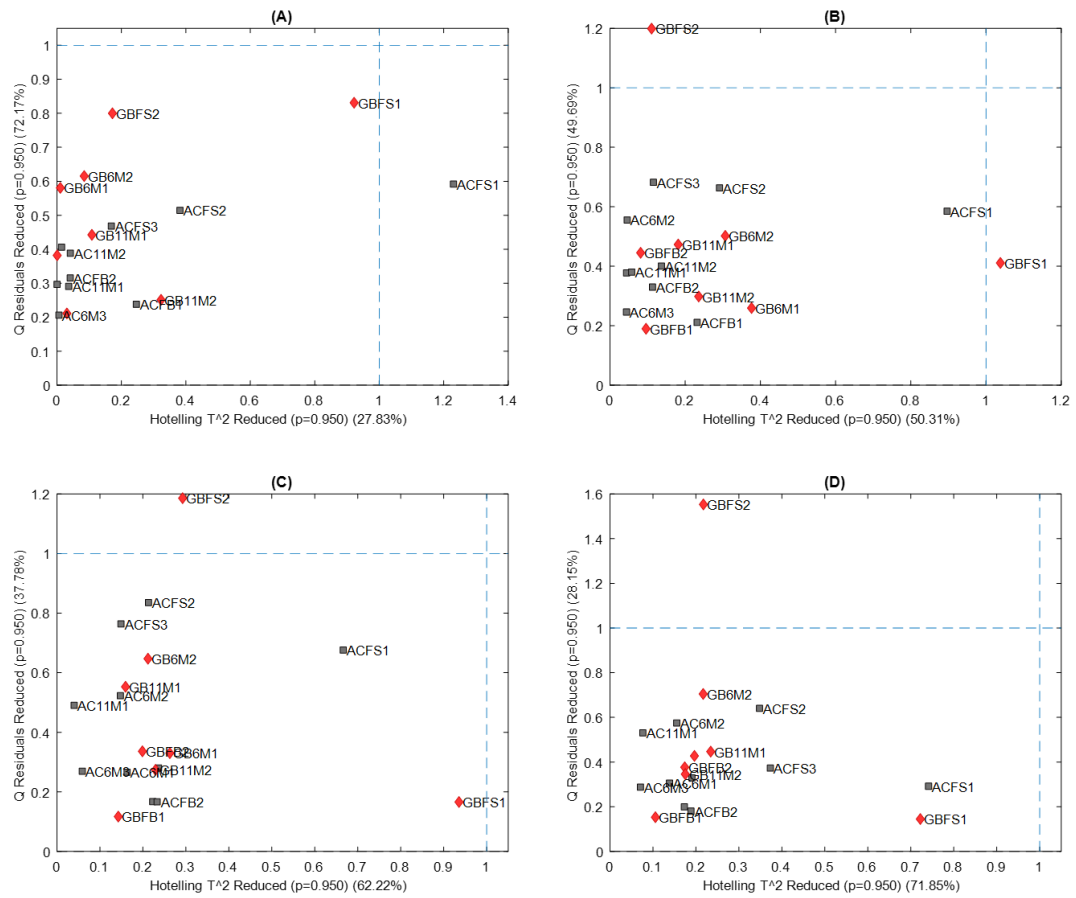


Figure S1: Hotelling T<sup>2</sup> vs Q residual plots for the PCA models with (A) one, (B) two, (C) three, and (D) four principal components.