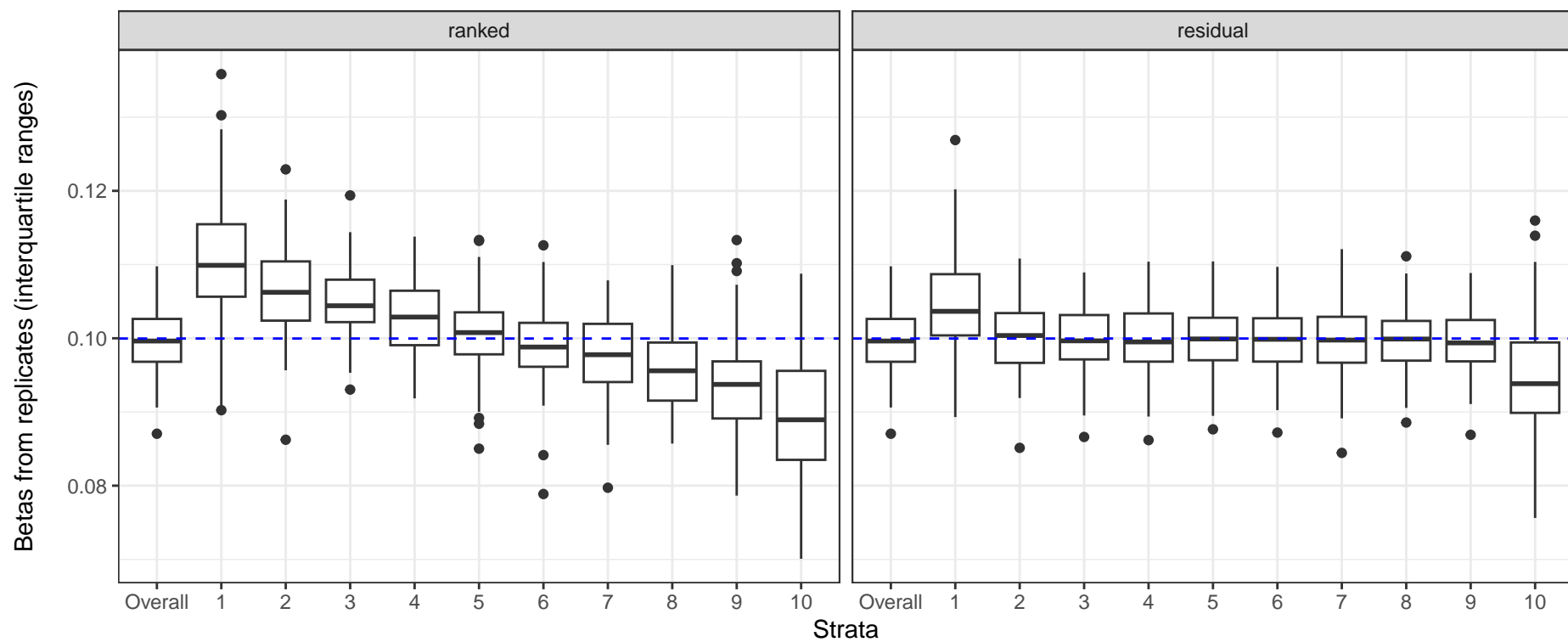


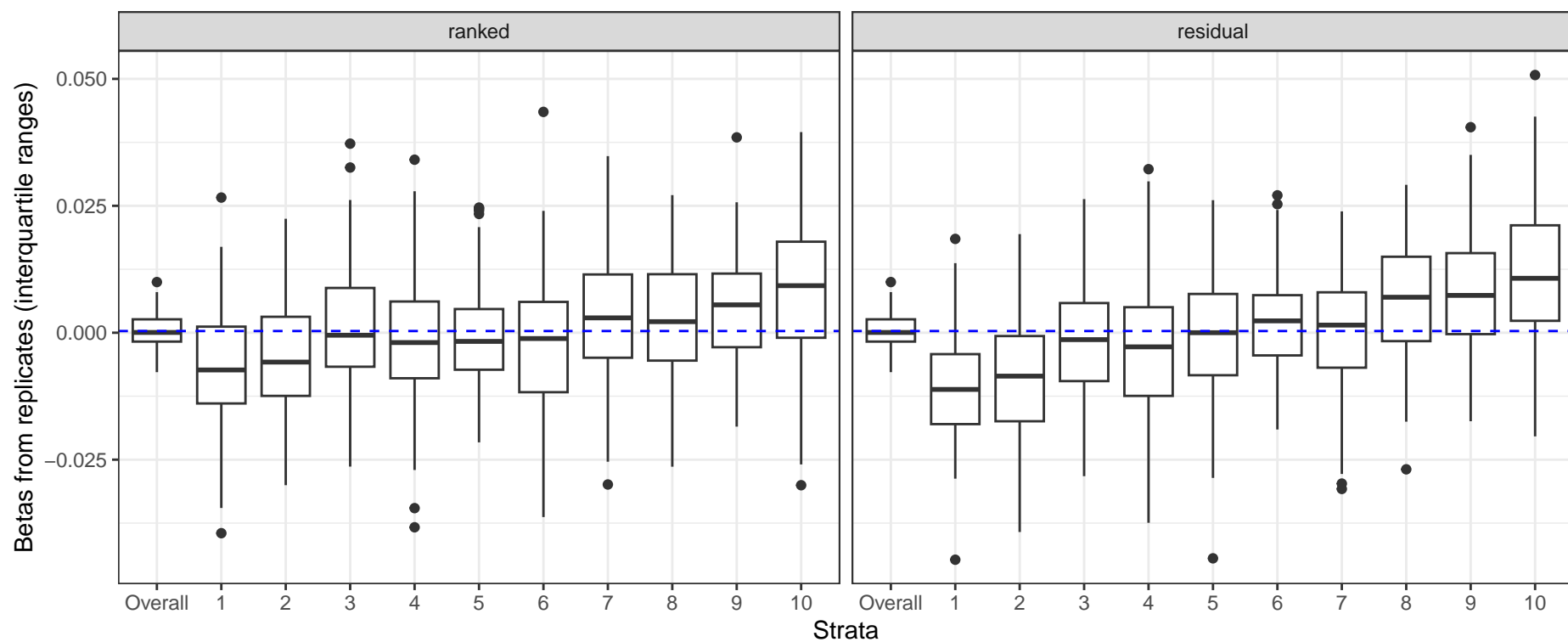
A

## Gene-exposure effect estimates across strata



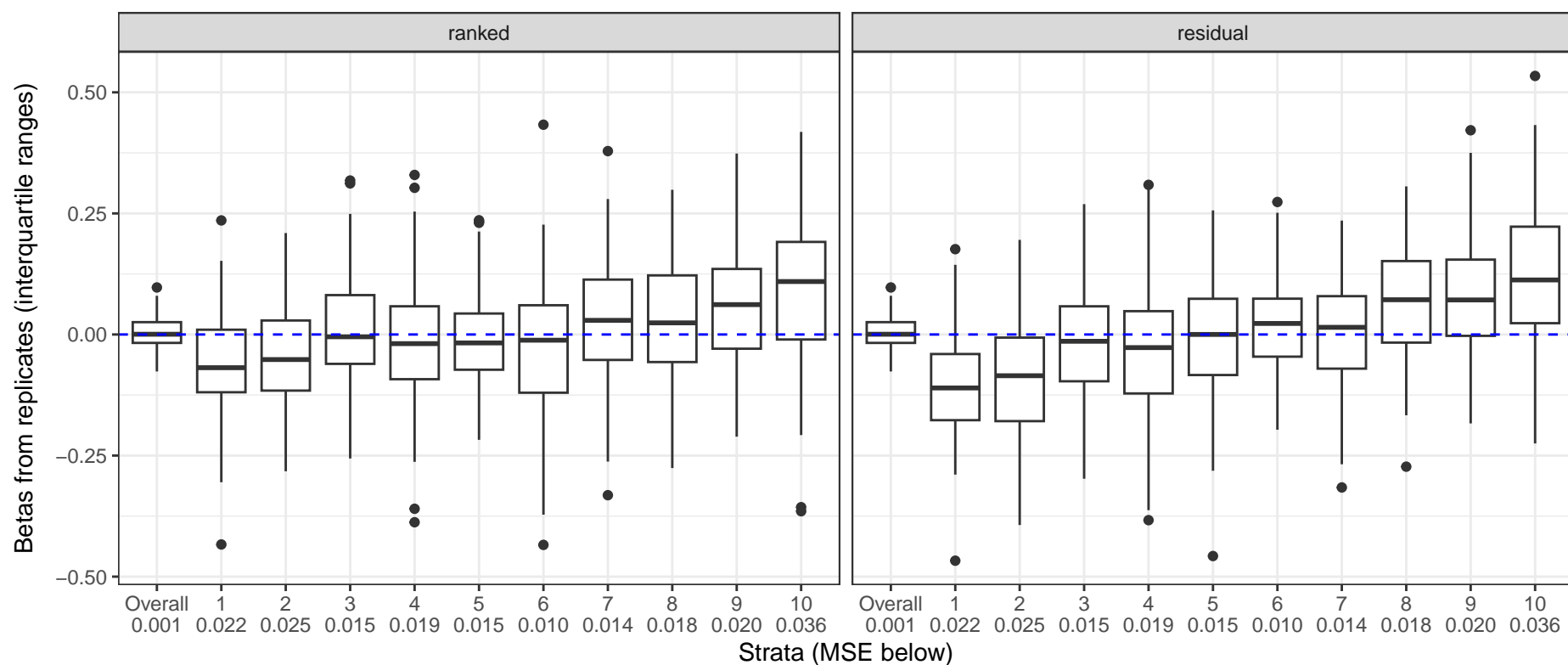
B

## Gene-outcome effect estimates across strata



C

## MR effect estimates across strata

Cochrane FDR at  $p = 0.05$ ; Ranked: 0.08 Residual: 0.15

linear\_effect\_confounder\_bux=0.3\_buy=0\_bgux=-0.1\_bv=1