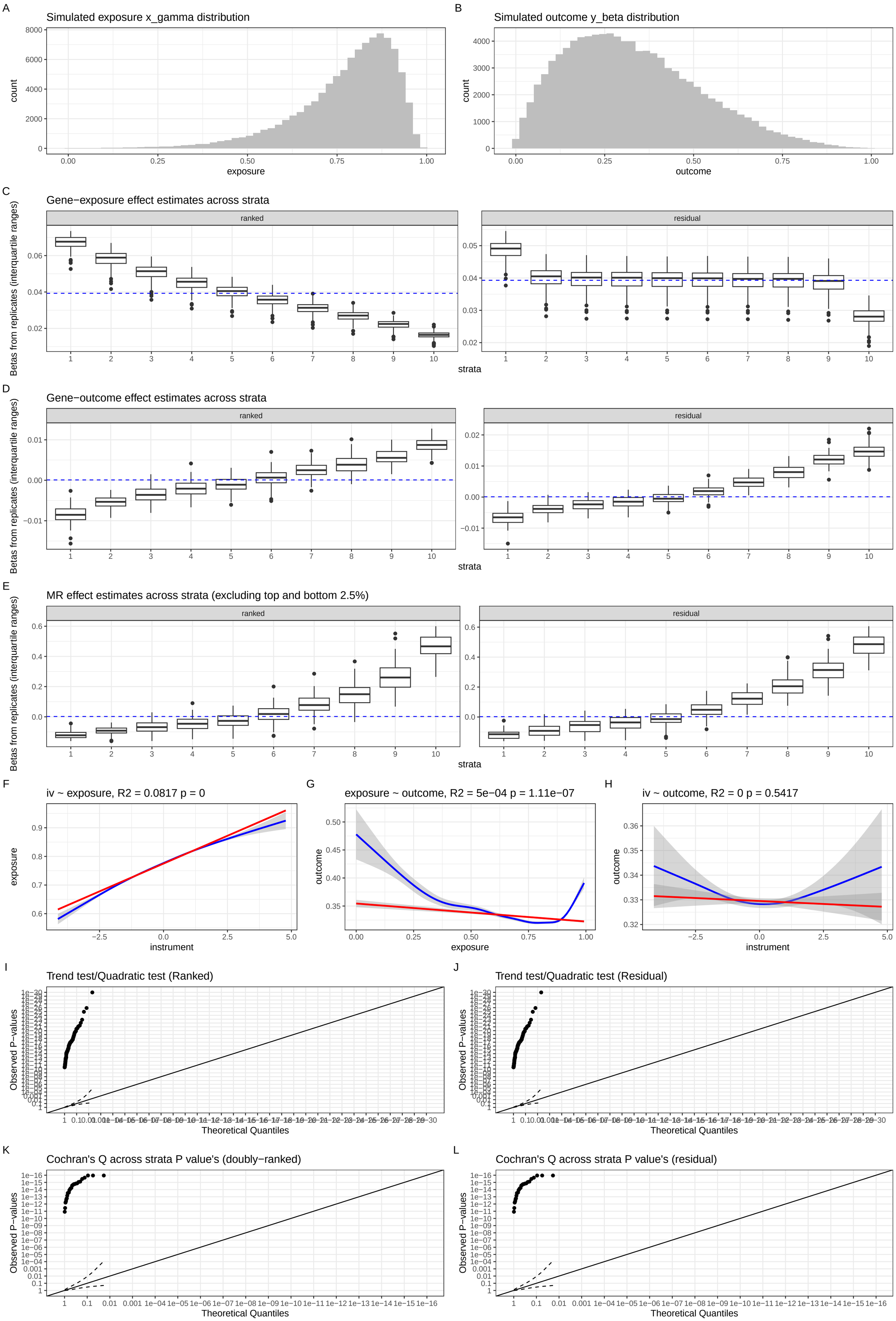
A
Simulated exposure x_gamma distribution
count
exposure
B
Simulated outcome y_beta distribution
count
outcome
C
Gene−exposure effect estimates across strata
ranked
residual
Betas from replicates (interquartile ranges)
strata
D
Gene−outcome effect estimates across strata
ranked
residual
Betas from replicates (interquartile ranges)
strata
E
MR effect estimates across strata (excluding top and bottom 2.5%)
ranked
residual
Betas from replicates (interquartile ranges)
strata
F
iv ~ exposure, R2 = 0.0817 p = 0
exposure
instrument
G
exposure ~ outcome, R2 = 5e−04 p = 1.11e−07
outcome
exposure
H
iv ~ outcome, R2 = 0 p = 0.5417
outcome
instrument
I
Trend test/Quadratic test (Ranked)
Observed P−values
Theoretical Quantiles
J
Trend test/Quadratic test (Residual)
Observed P−values
Theoretical Quantiles
K
Cochran's Q across strata P value's (doubly−ranked)
Observed P−values
Theoretical Quantiles
L
Cochran's Q across strata P value's (residual)
Observed P−values
Theoretical Quantiles