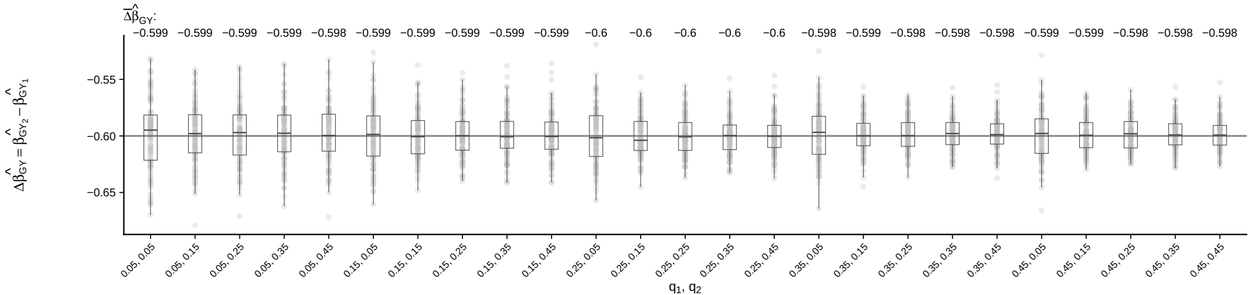
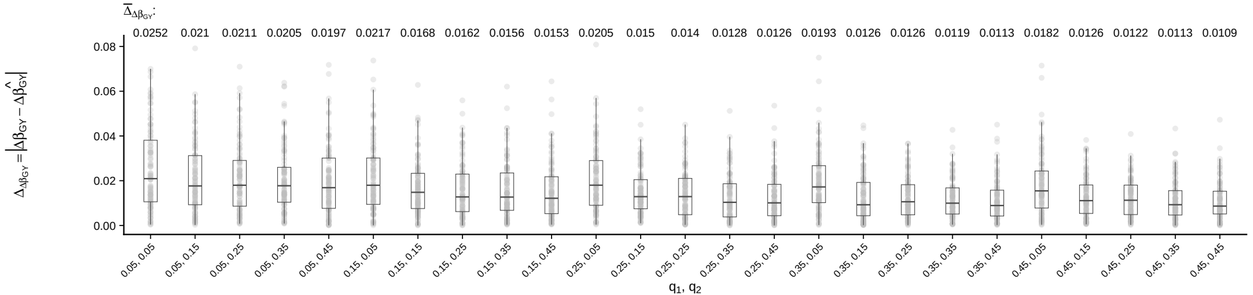
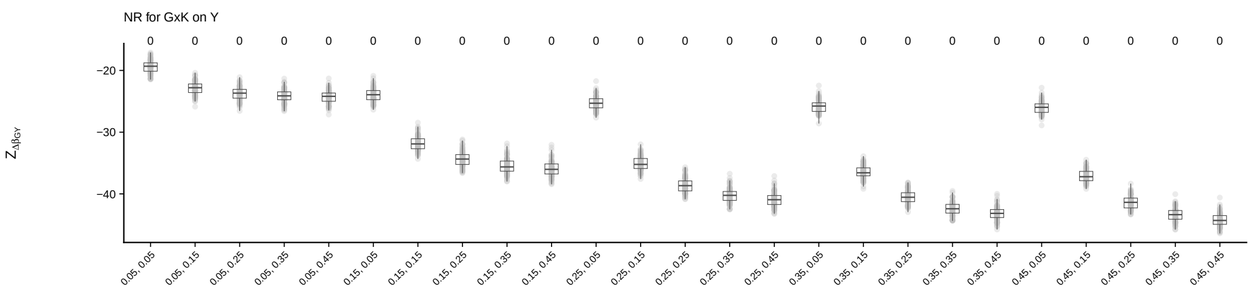
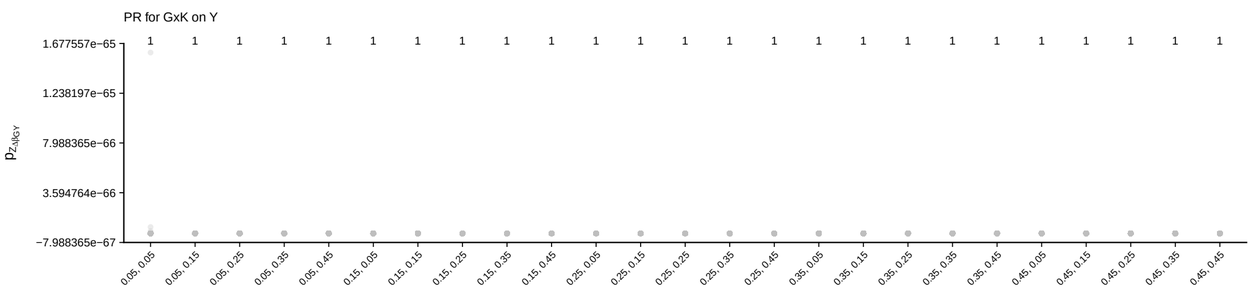

$\overline{\Delta\hat{\beta}}_{GY}$:
−0.599 −0.599 −0.599 −0.599 −0.598 −0.599 −0.599 −0.599 −0.599 −0.6 −0.6 −0.6 −0.6 −0.598 −0.599 −0.598 −0.598 −0.598 −0.599 −0.599 −0.598 −0.598 −0.598
$\Delta\hat{\beta}_{GY} = \hat{\beta}_{GY_2} - \hat{\beta}_{GY_1}$
−0.55
−0.60
−0.65
0.05, 0.05 0.05, 0.15 0.05, 0.25 0.05, 0.35 0.05, 0.45 0.15, 0.05 0.15, 0.15 0.15, 0.25 0.15, 0.35 0.15, 0.45 0.25, 0.05 0.25, 0.15 0.25, 0.25 0.25, 0.35 0.25, 0.45 0.35, 0.05 0.35, 0.15 0.35, 0.25 0.35, 0.35 0.35, 0.45 0.45, 0.05 0.45, 0.15 0.45, 0.25 0.45, 0.35 0.45, 0.45
q_1, q_2


$\overline{\Delta}_{\Delta\beta_{GY}}$:
0.0252 0.021 0.0211 0.0205 0.0197 0.0217 0.0168 0.0162 0.0156 0.0153 0.0205 0.015 0.014 0.0128 0.0126 0.0193 0.0126 0.0126 0.0119 0.0113 0.0182 0.0126 0.0122 0.0113 0.0109
$\Delta_{\Delta\beta_{GY}} = \left|\Delta\beta_{GY} - \Delta\hat{\beta}_{GY}\right|$
0.08
0.06
0.04
0.02
0.00
0.05, 0.05 0.05, 0.15 0.05, 0.25 0.05, 0.35 0.05, 0.45 0.15, 0.05 0.15, 0.15 0.15, 0.25 0.15, 0.35 0.15, 0.45 0.25, 0.05 0.25, 0.15 0.25, 0.25 0.25, 0.35 0.25, 0.45 0.35, 0.05 0.35, 0.15 0.35, 0.25 0.35, 0.35 0.35, 0.45 0.45, 0.05 0.45, 0.15 0.45, 0.25 0.45, 0.35 0.45, 0.45
q_1, q_2


NR for GxK on Y
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
$Z_{\Delta\beta_{GY}}$
−20
−30
−40
0.05, 0.05 0.05, 0.15 0.05, 0.25 0.05, 0.35 0.05, 0.45 0.15, 0.05 0.15, 0.15 0.15, 0.25 0.15, 0.35 0.15, 0.45 0.25, 0.05 0.25, 0.15 0.25, 0.25 0.25, 0.35 0.25, 0.45 0.35, 0.05 0.35, 0.15 0.35, 0.25 0.35, 0.35 0.35, 0.45 0.45, 0.05 0.45, 0.15 0.45, 0.25 0.45, 0.35 0.45, 0.45
q_1, q_2


PR for GxK on Y
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$p_{Z_{\Delta\beta_{GY}}}$
1.677557e−65
1.238197e−65
7.988365e−66
3.594764e−66
−7.988365e−67
0.05, 0.05 0.05, 0.15 0.05, 0.25 0.05, 0.35 0.05, 0.45 0.15, 0.05 0.15, 0.15 0.15, 0.25 0.15, 0.35 0.15, 0.45 0.25, 0.05 0.25, 0.15 0.25, 0.25 0.25, 0.35 0.25, 0.45 0.35, 0.05 0.35, 0.15 0.35, 0.25 0.35, 0.35 0.35, 0.45 0.45, 0.05 0.45, 0.15 0.45, 0.25 0.45, 0.35 0.45, 0.45
q_1, q_2