n=100, p=10, s=5 Correlation 0 Correlation 0.35 Correlation 0.7 1.5 -Beta-type 1 1.0 0.5 0.0 1.5 Beta-type 2 1.0 -0.5 1.5 -Beta-type 3 1.0 -0.5 0.0 1.5 Beta-type 5 1.0 0.5 0.0

Relative risk (to null model)

0.05

0.25

1.22

Signal-to-noise ratio

0.25

1.22

6.00 0.05

0.25

1.22

6.00

6.00 0.05