n=100, p=1000, s=10 Correlation 0 Correlation 0.35 Correlation 0.7 80 60 Beta-type 1 40 20 80 60 Beta-type 2 40 Number of nonzeros Beta-type 3 40 20 80 60 Beta-type 5 40 20 0.25 1.22 Signal–to–noise ratio 0.05 6.00 0.05 6.00 0.05 0.25 0.25 1.22 1.22 6.00

Method → Adaptive lasso → Elastic net → Forward stepwise → Lasso

Relaxed lasso