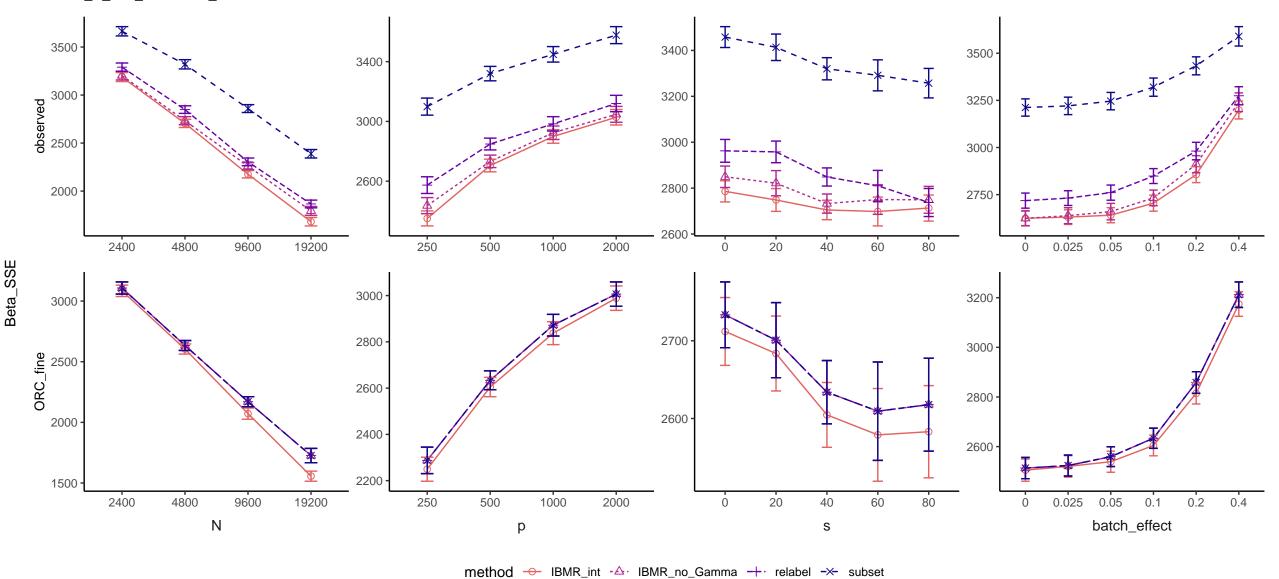
random_X_and_structured_Beta 1.0 -1.0 -0.95 0.9 0.9 -0.8 0.90 observed 8.0 0.85 0.6 0.7 0.7 -0.80 -0.4 0.6 9600 19200 1000 2400 4800 250 500 2000 20 40 60 80 0.025 0.05 0.2 0.1 Beta_FPR 1.00 -0.970 0.9 0.9 0.965 ORC_fine 8.0 0.8 0.960 0.90 0.7 0.955 0.7 0.6 0.950 0.85 250 500 2400 4800 9600 19200 1000 2000 20 40 60 80 0.025 0.05 0.1 0.2 0.4 0 0 batch_effect Ν S р

method → IBMR_int -△ · IBMR_no_Gamma + · relabel -× subset

random_X_and_structured_Beta



method → IBMR_int -△· IBMR_no_Gamma +· relabel -× subset

random_X_and_structured_Beta 0.45 -0.5 -0.40 0.5 0.40 0.4 -0.35 0.35 observed 0.4 0.30 0.3 0.30 -0.3 0.25 0.25 0.2 0.20 -0.20 0.1 2400 4800 9600 19200 250 500 1000 2000 60 80 0.025 20 0.30 error 0.25 0.24 0.23 0.24 0.25 0.23 ORC ORC -0.23 0.22 0.21 0.22 0.21 0.19 -0.21 0.15 0.20 0.20 0.10 250 500 2000 2400 4800 9600 19200 1000 20 40 60 80 0.025 0.05 0.2 0.4 0 batch_effect Ν S р

method → IBMR_int -△· IBMR_no_Gamma → relabel -× subset

KL_divergence

Ν

method → IBMR_int -△ · IBMR_no_Gamma + · relabel -× subset

S

р

batch_effect