random_X_and_structured_Beta 3500 -9000 aparved 52500 0.025 0.05 0.2 0.1 Beta_SSE ORC fine 2500 2600 -1500 -0.025 0.05 0.1 0.2 0.4 batch_effect Ν р S

method → IBMR_int - → IBMR_no_Gamma → relabel → subset

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 20 60 80 0.025 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 р S method → IBMR_int → IBMR_no_Gamma → relabel → subset