

Fig. 1

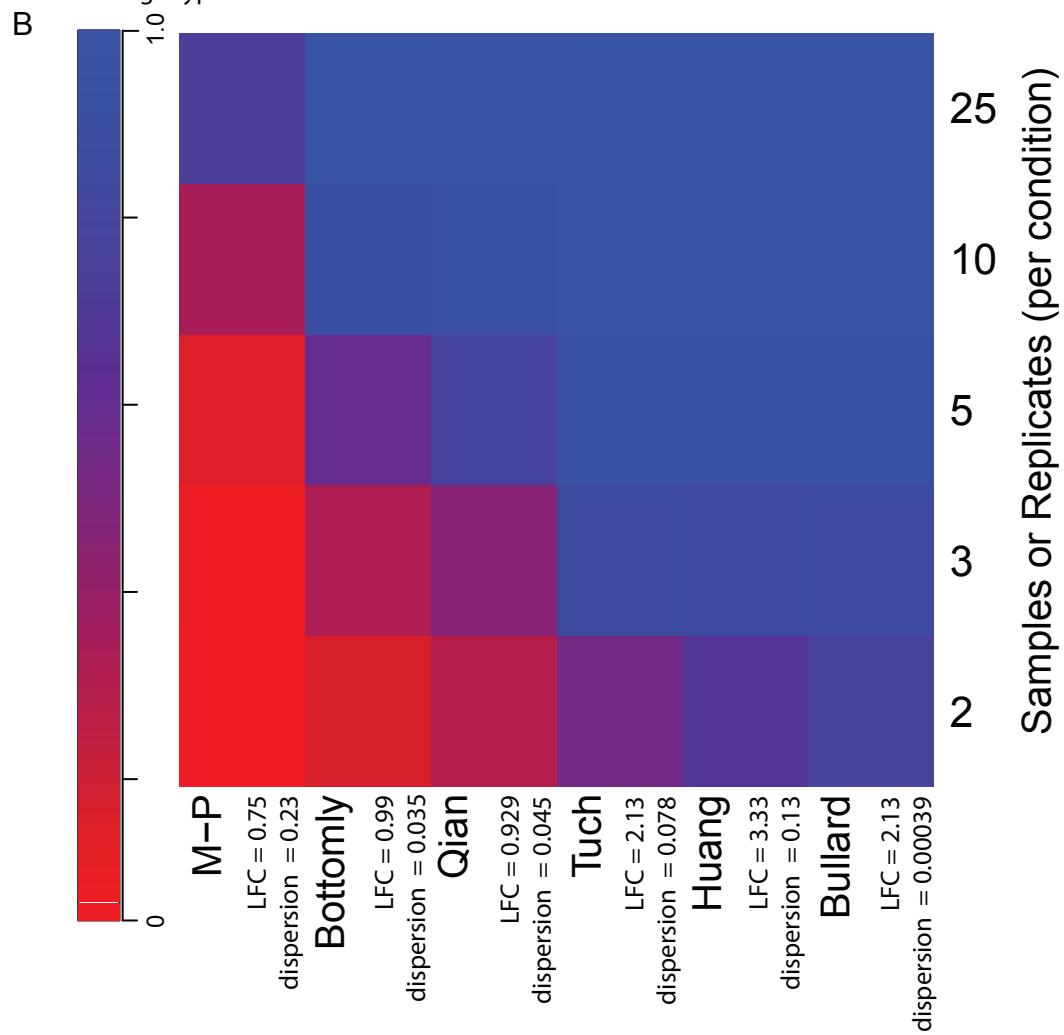
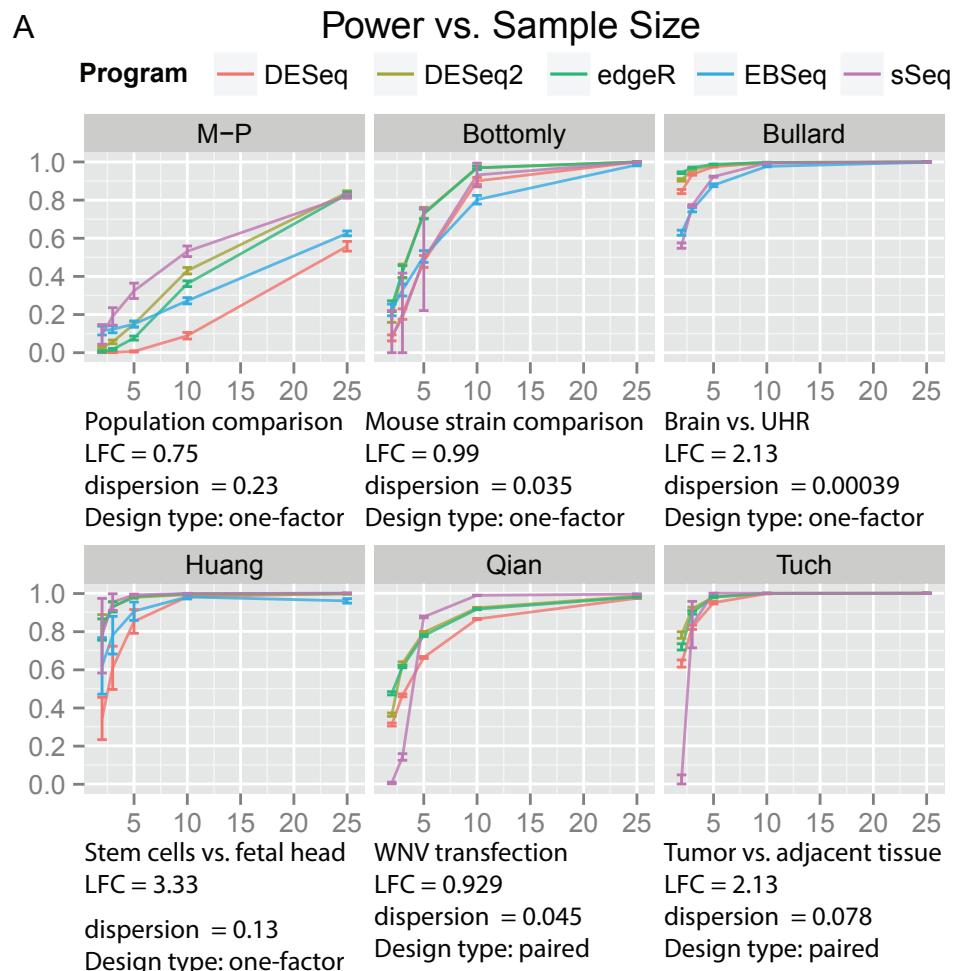
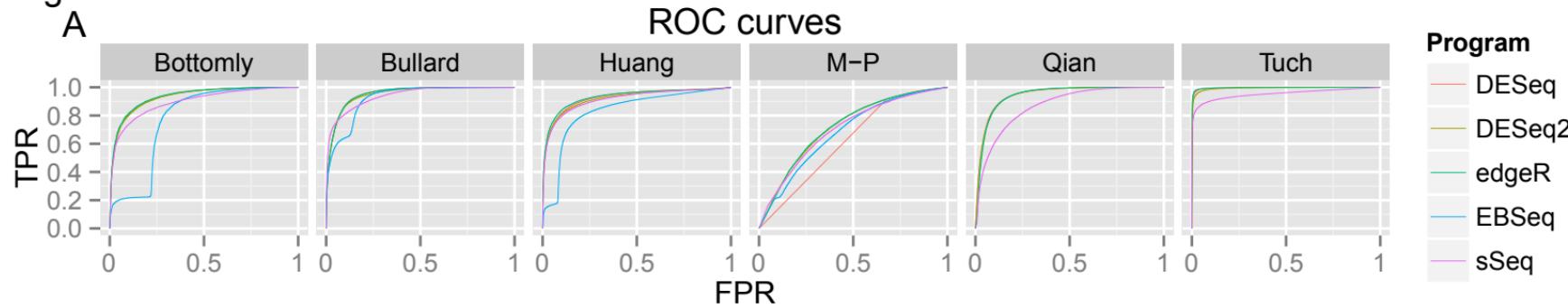


Fig. 2

A



B

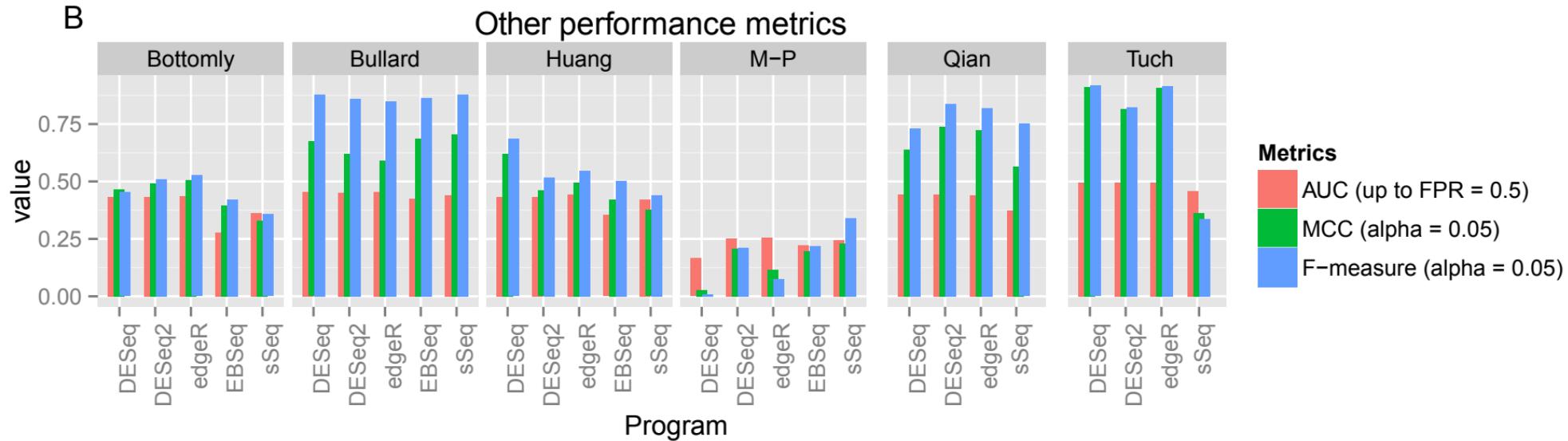


Fig. 3

Paired vs. single-factor analysis on paired datasets

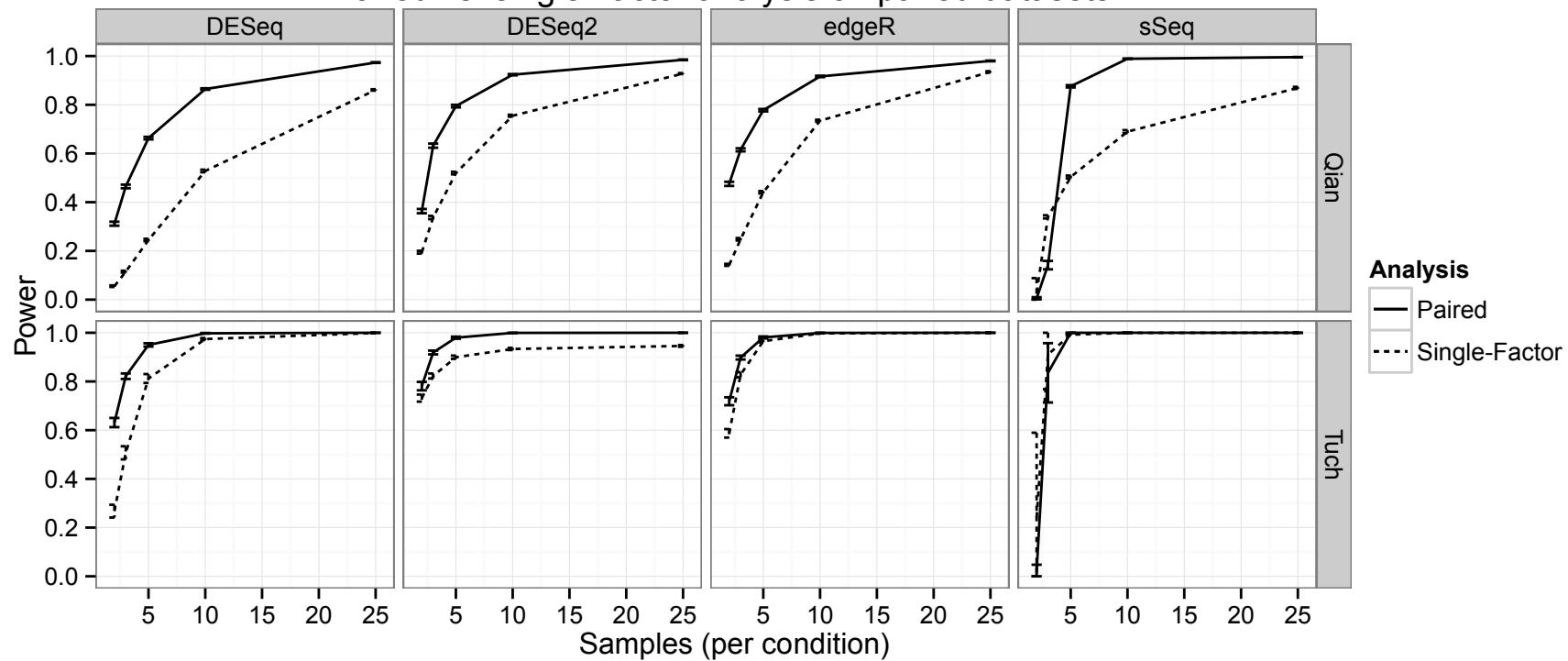


Fig. 4

Protein coding genes vs. lincRNAs

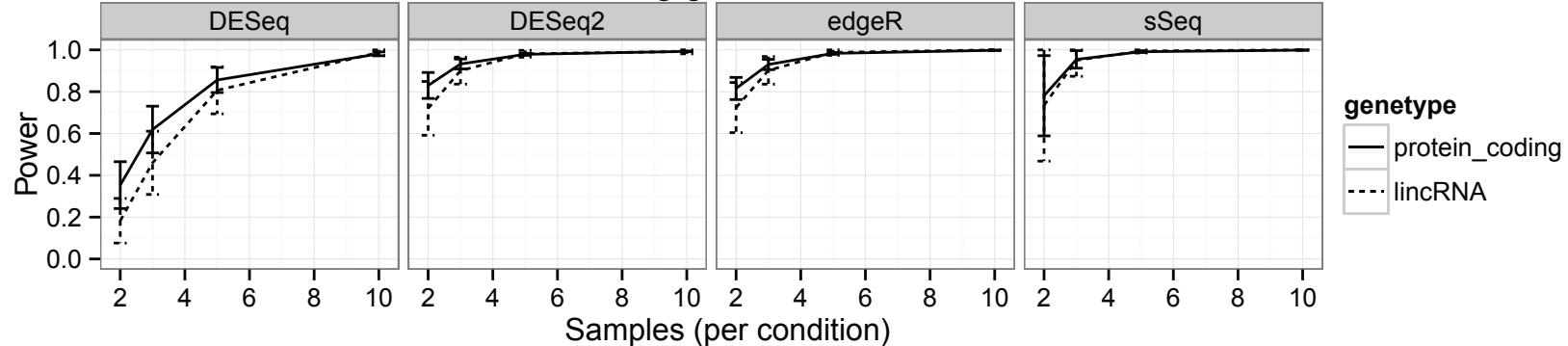
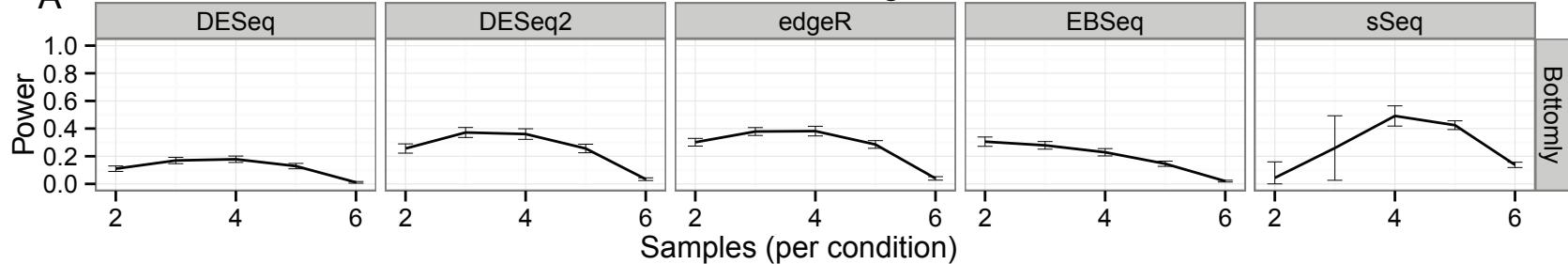


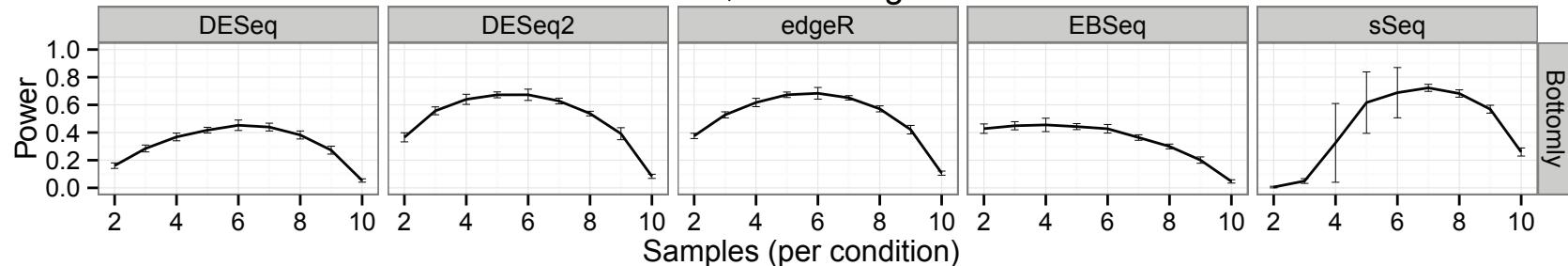
Fig. 5

A

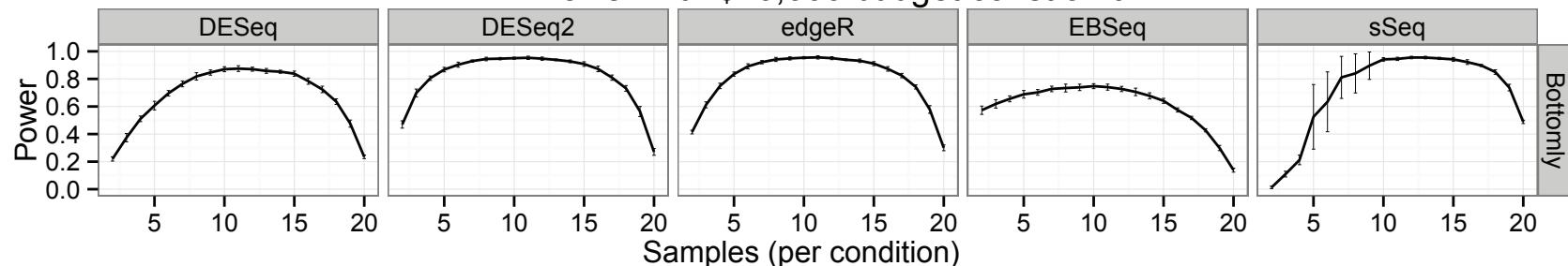
Power with \$3000 budget constraint



Power with \$5000 budget constraint



Power with \$10,000 budget constraint



Parameters vs. budget with maximum power

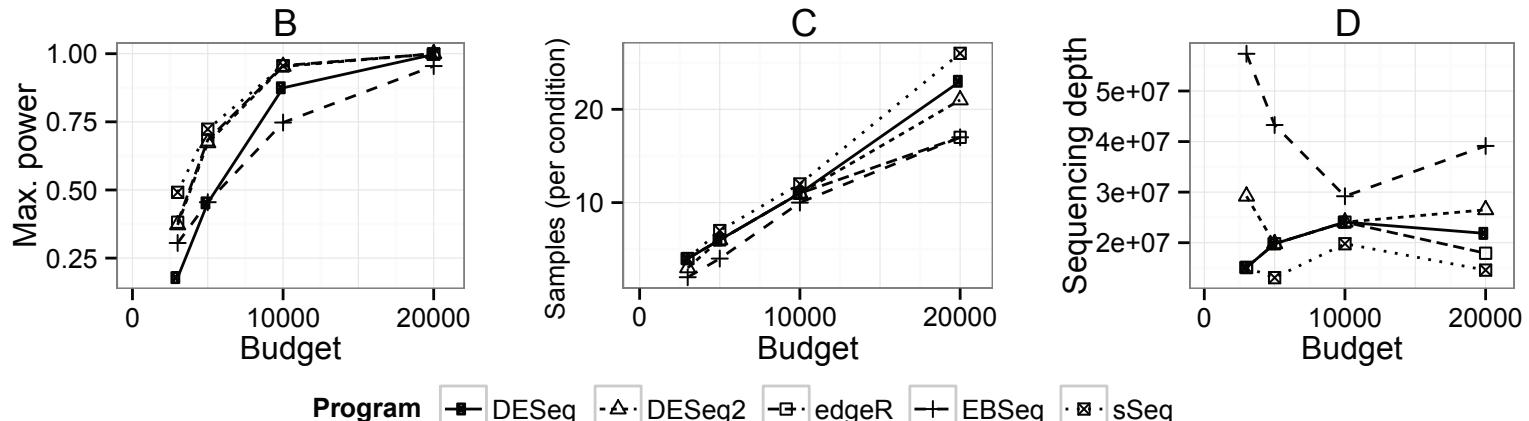
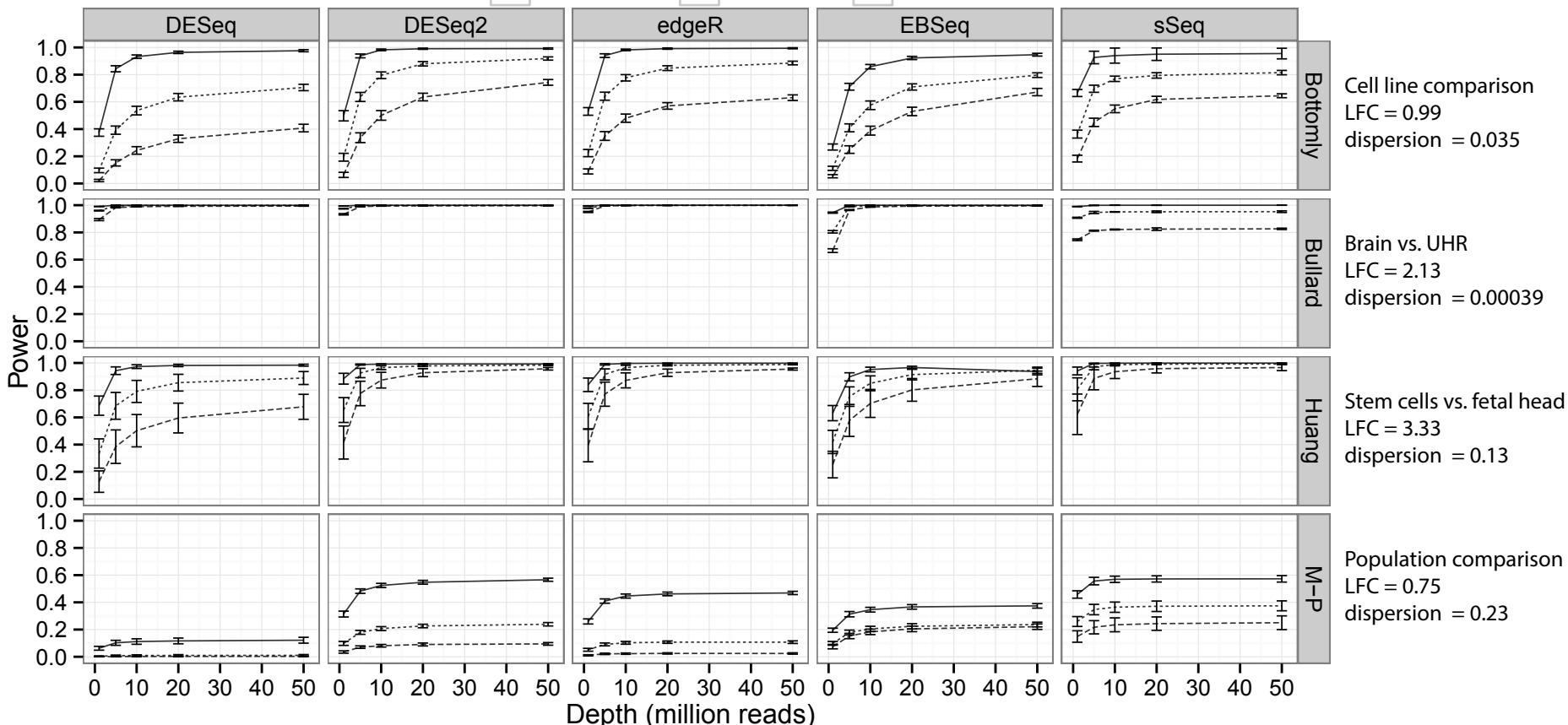


Fig. S1

Power vs. Read Depth (Single-factor Datasets)

Replicates — 10 replicates - - - 5 replicates - - 3 replicates



Power vs. Read Depth (Paired Datasets)

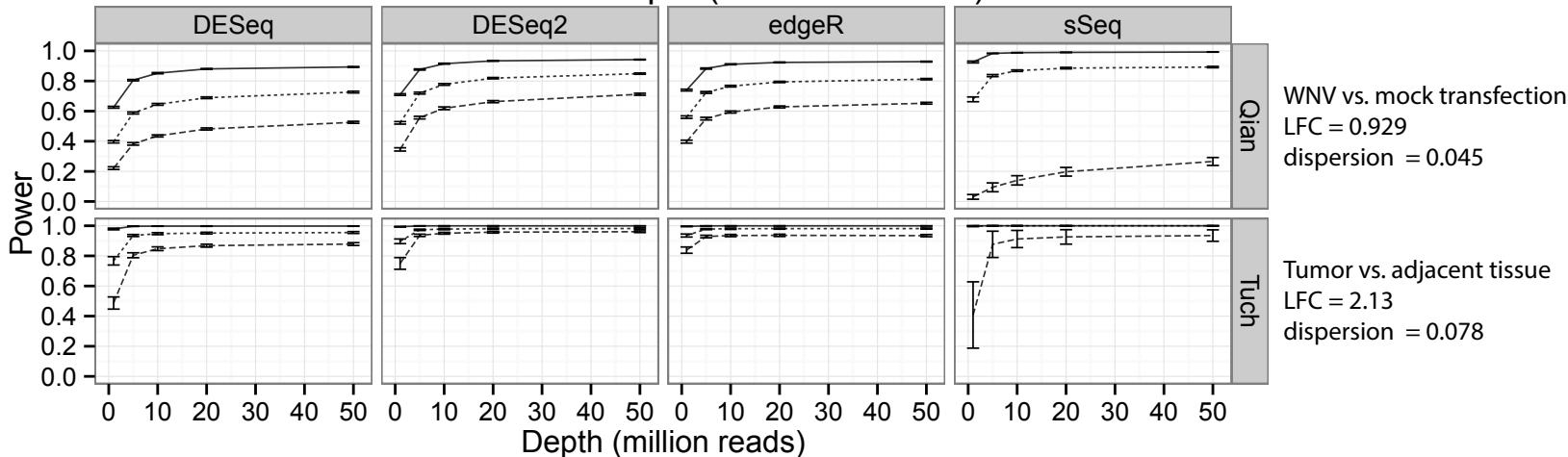


Fig. S2

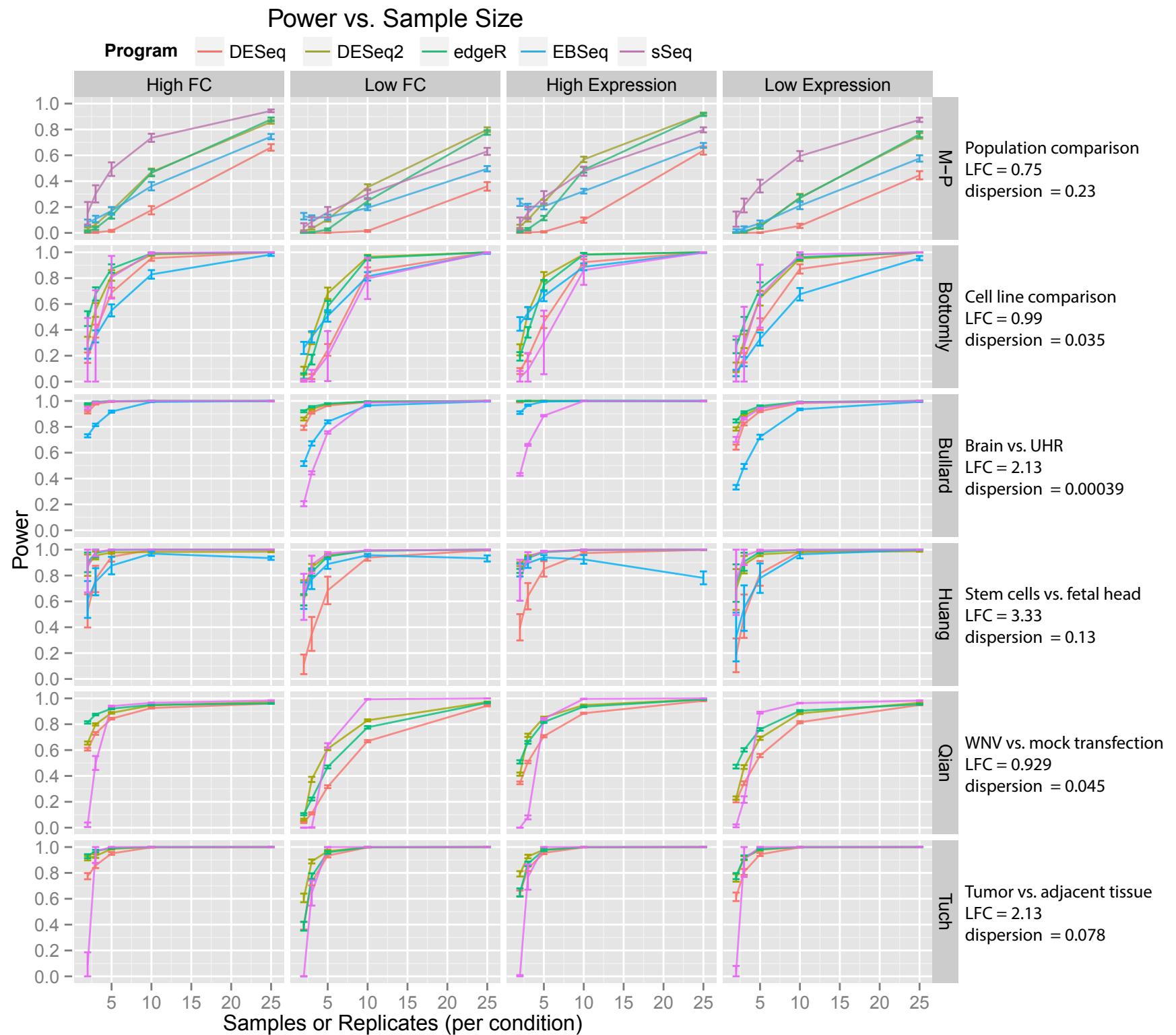


Fig. S3

ROC curves

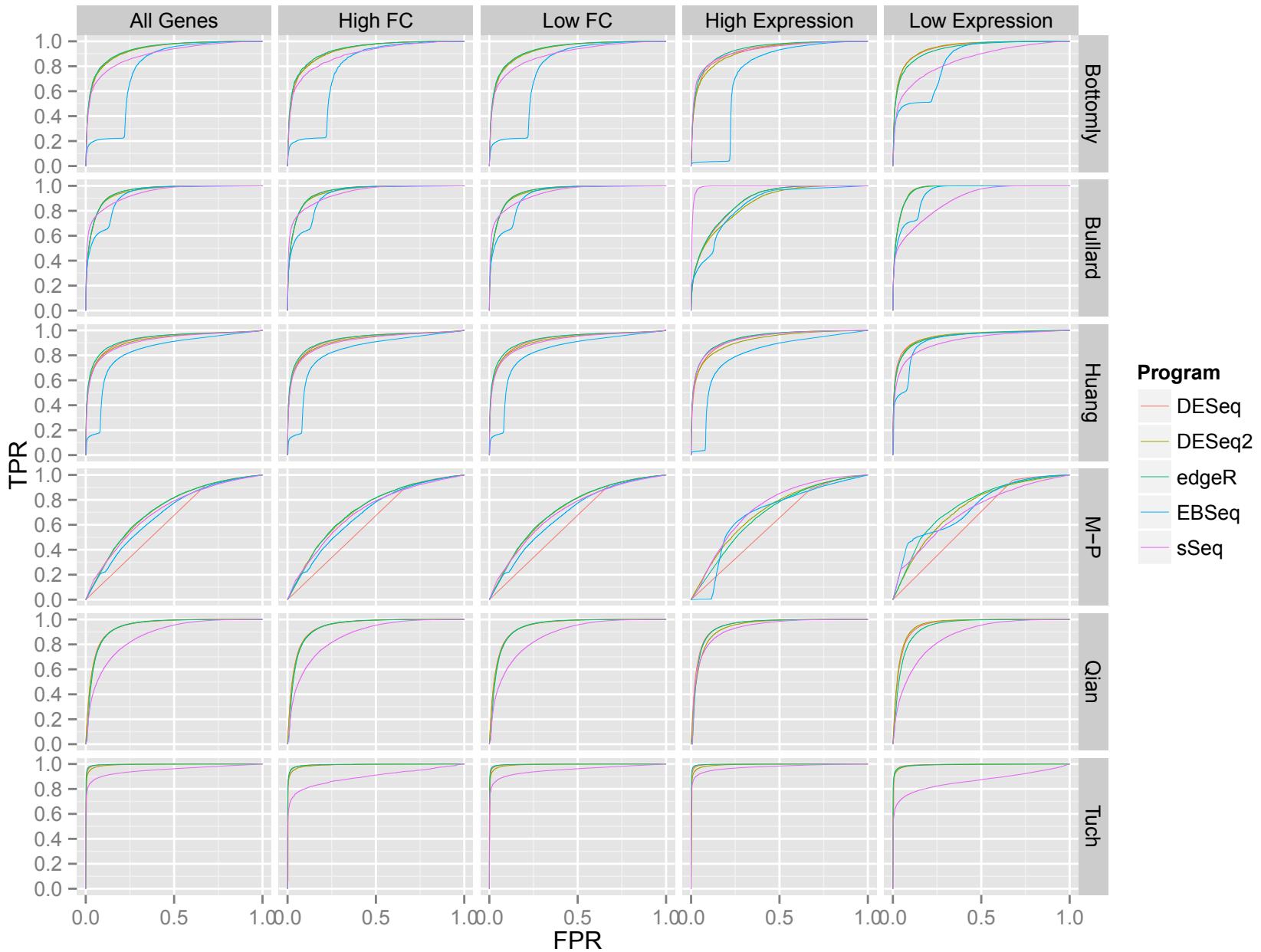


Fig. S4

Other performance metrics

AUC (up to FPR = 0.5)

MCC (alpha = 0.05)

F-measure (alpha = 0.05)



Fig. S5

False Discovery Rate

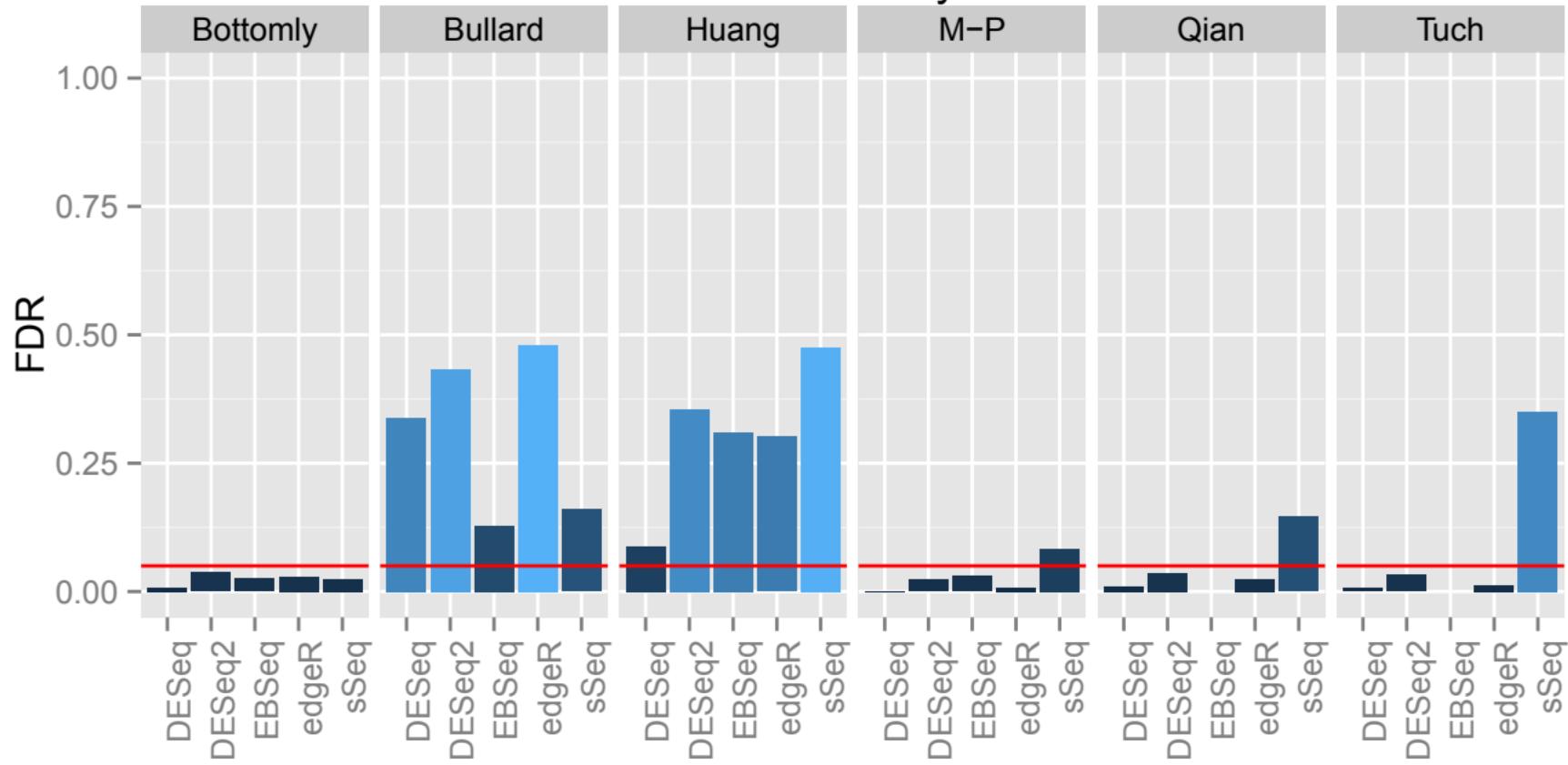
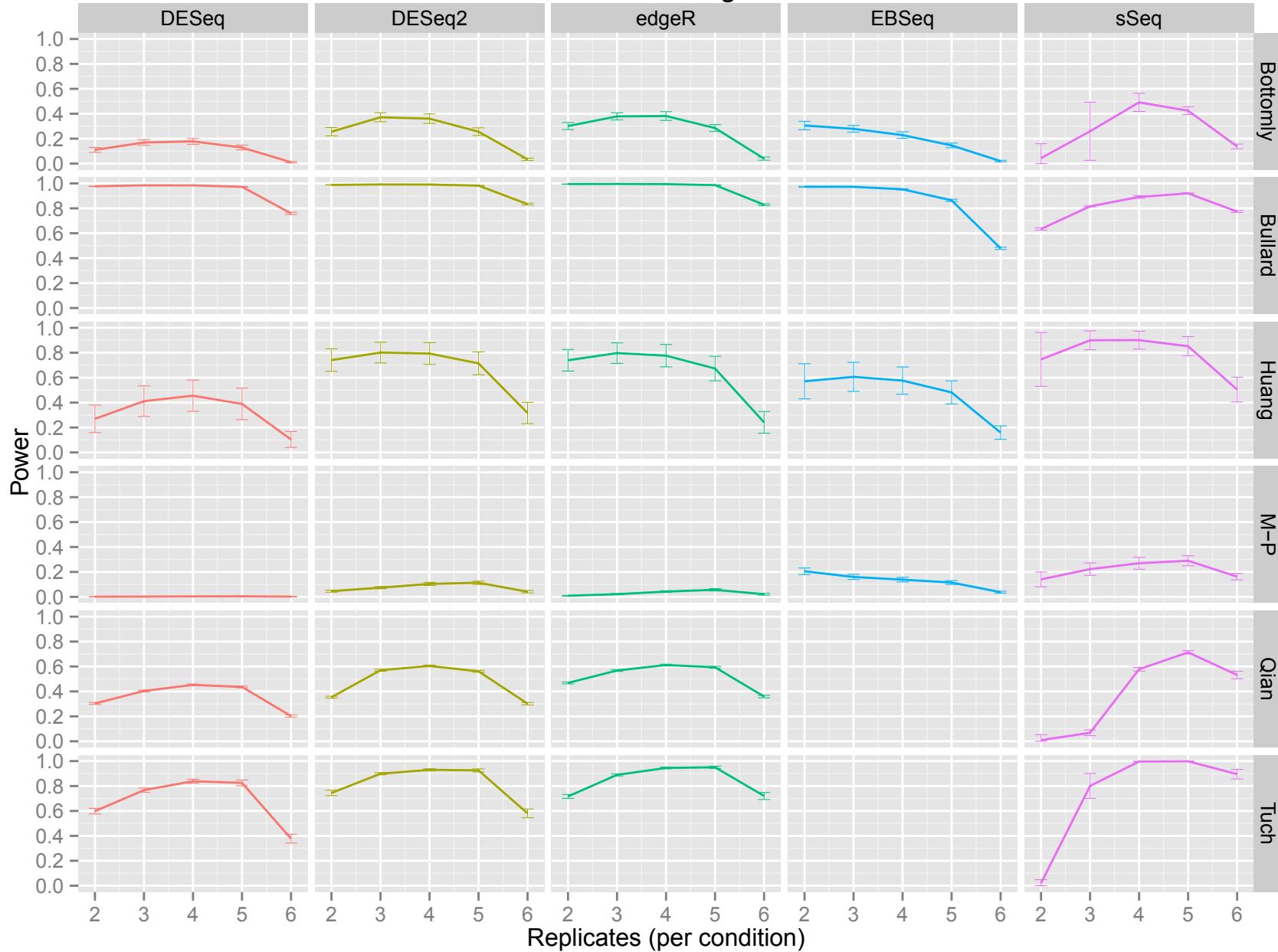
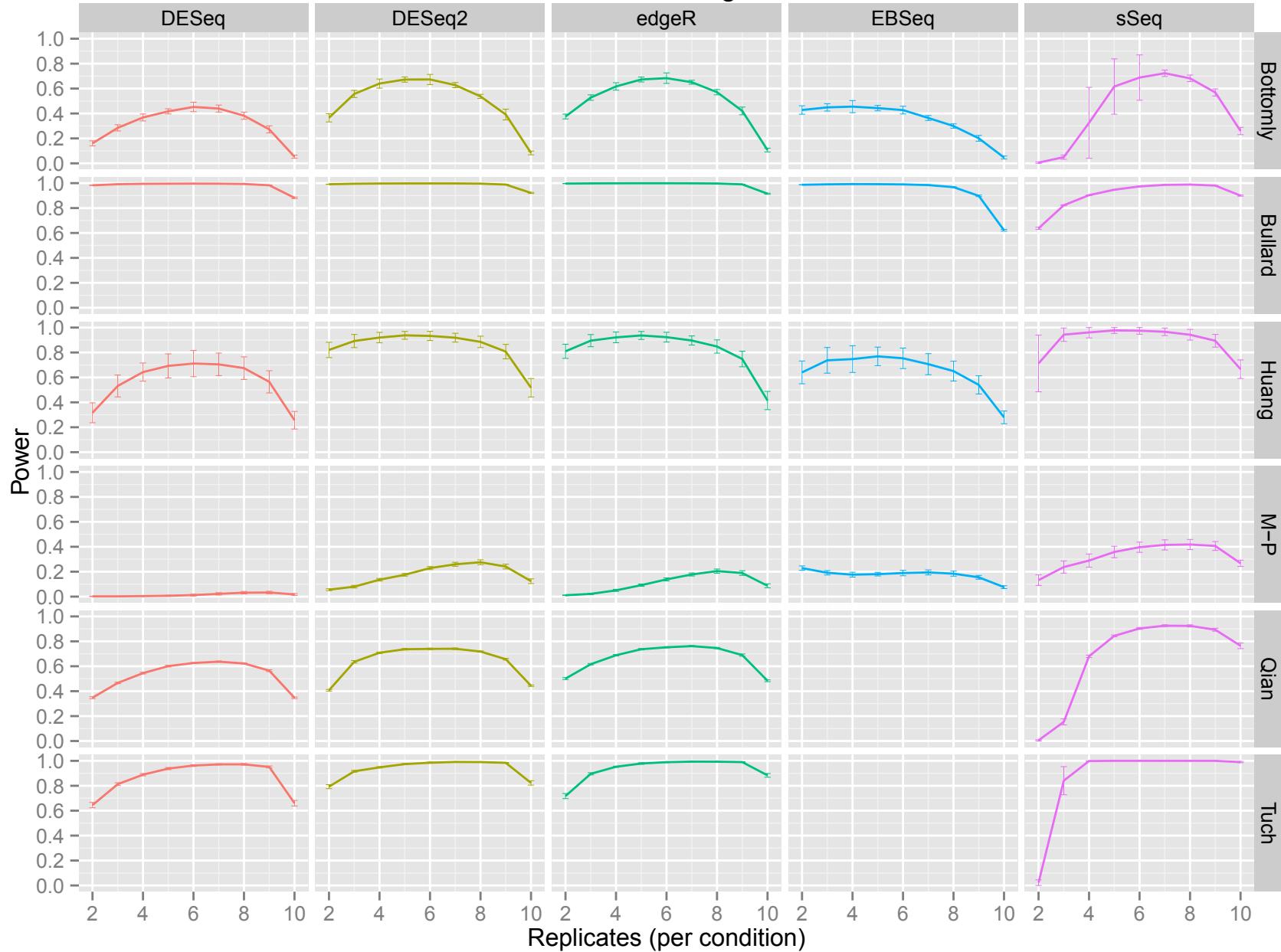


Fig. S6

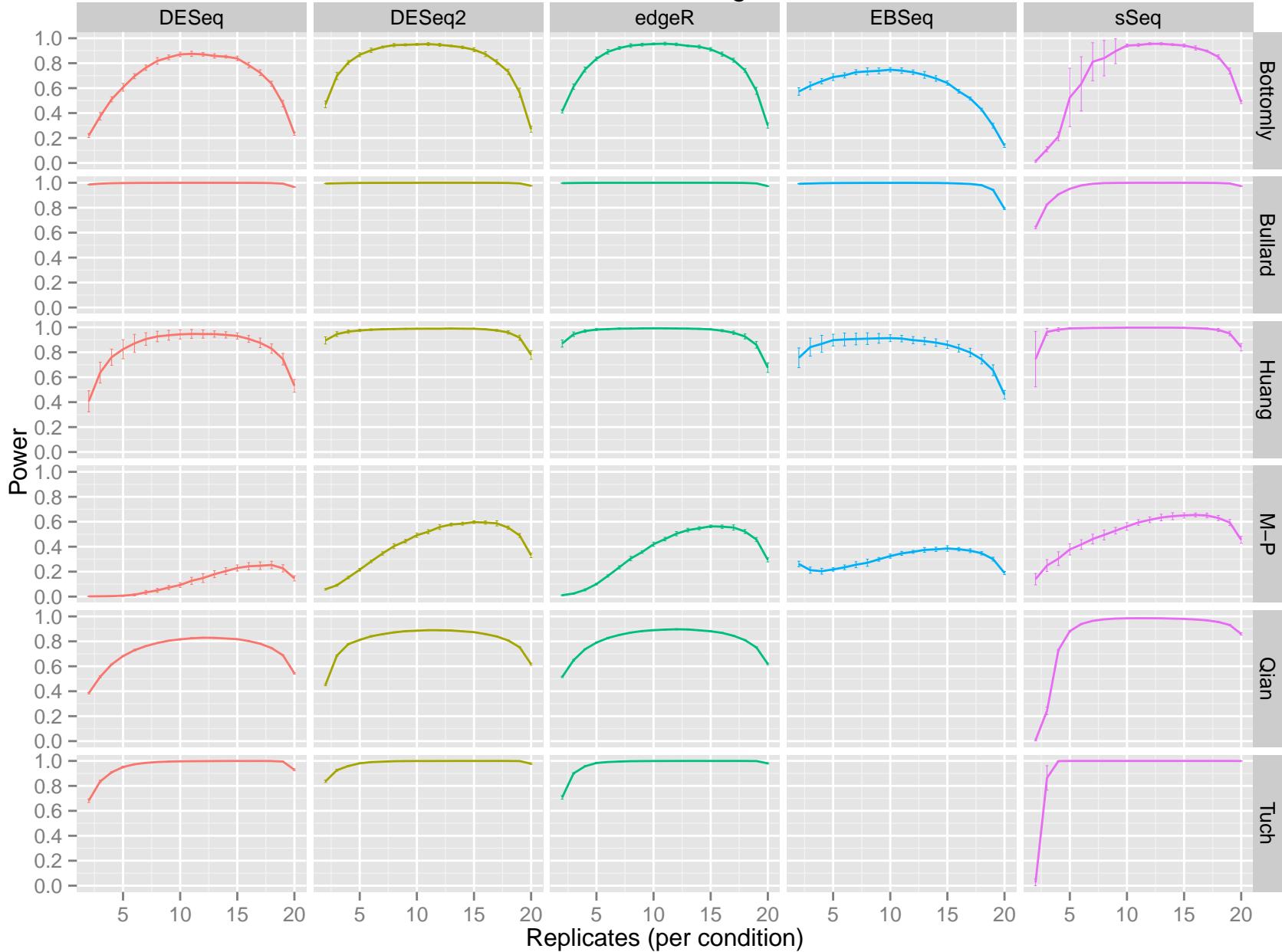
Power with \$3000 budget constraint



Power with \$5000 budget constraint



Power with \$10,000 budget constraint



Power with \$20,000 budget constraint

