with covariates 50 100 200 0.5 0.4  $\pm$ 2\_0.5\_1 +  $_{\triangle}$ 0.3 0.2 method 0.1 CARseq 0.5  $\pm$ sensitivity 3\_0.333\_1 0.4 CIBERSORTx\_w/\_B\_mode 0.3 0.2 CIBERSORTx\_w/o\_B\_mode 0.1 TOAST\_count 0.5 TOAST\_TPM 0.4 4\_0.25\_1 +0.3 Δ 0.2 -0.1 0.00 0.50 0.75 0.00 0.75 1.00 0.00 0.50 0.75 1.00 0.25 1.00 0.25 0.50 0.25 fdr without covariates 50 100 200 0.5 0.4  $\pm$ 2\_0.5\_1 + 0.3 <u>+</u> method 0.2 8 0.1 CARseq 0.0 0.5  $\pm$ + △ sensitivity 3\_0.333\_1 CIBERSORTx\_w/\_B\_mode 8 0.3 CIBERSORTx\_w/o\_B\_mode 0.2 0.1 TOAST\_count 0.0 0.5 TOAST\_TPM 0.4 4\_0.25\_1 +csSAM 0.3 0.2 0.1 0.0 0.00 0.00 0.00 0.25 0.50 0.75 1.00 0.25 0.50 0.75 1.00 0.25 0.50 0.75 1.00 fdr