with covariates

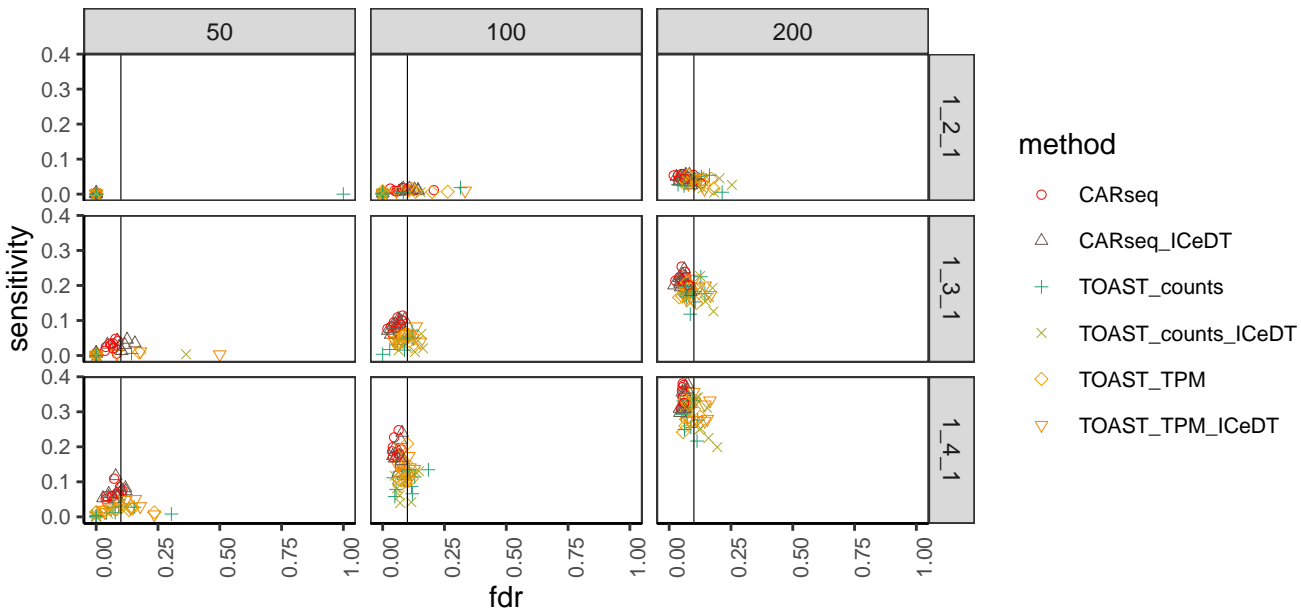## without covariates