Ratio between number of signatures found and true flat non-parametric parametric 1.2 -0.8 0.4 0.0 1.0 Ratio Patio fit ω fit\_clust 0.0 1.2 -0.8  $\Omega$ 0.4 0.0 -

500

# samples

150

500

150

1000

5000

1000

5000

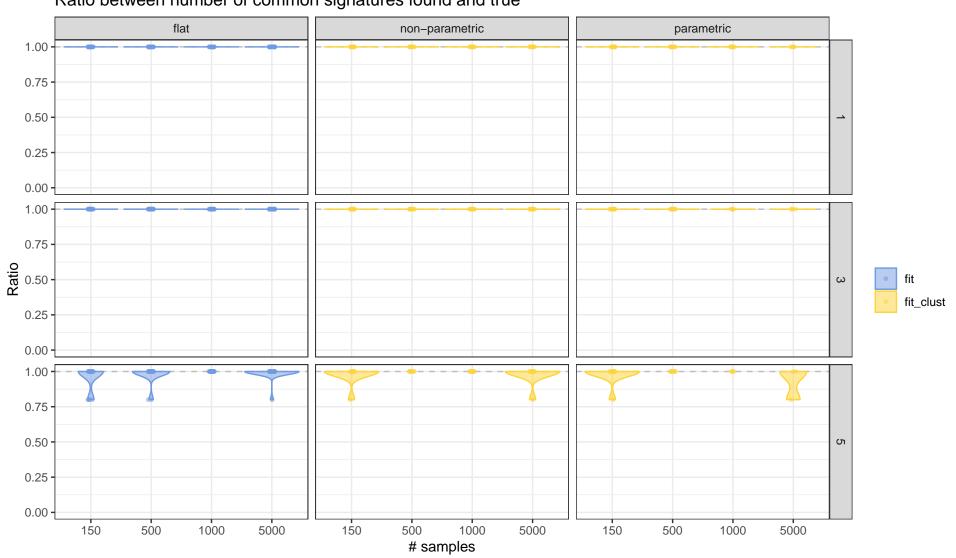
150

500

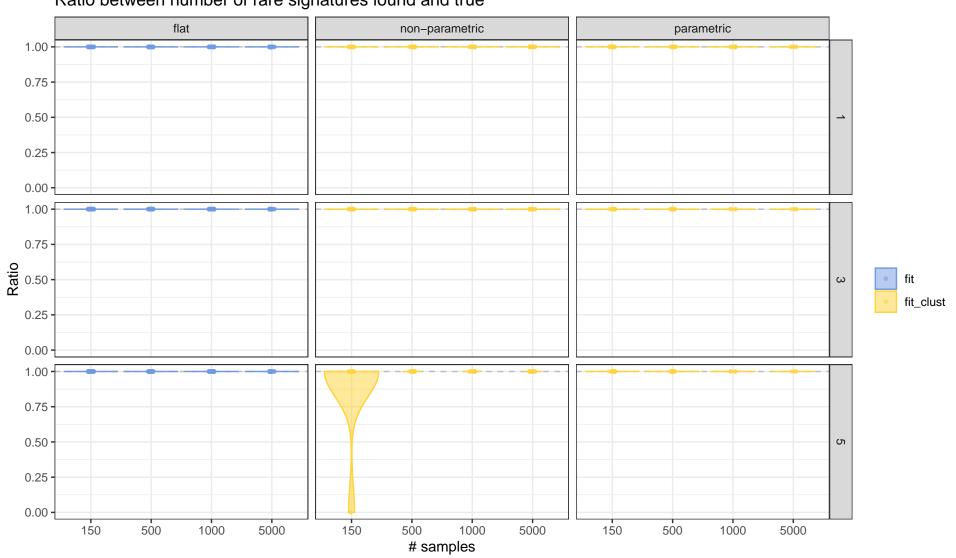
1000

5000

Ratio between number of common signatures found and true



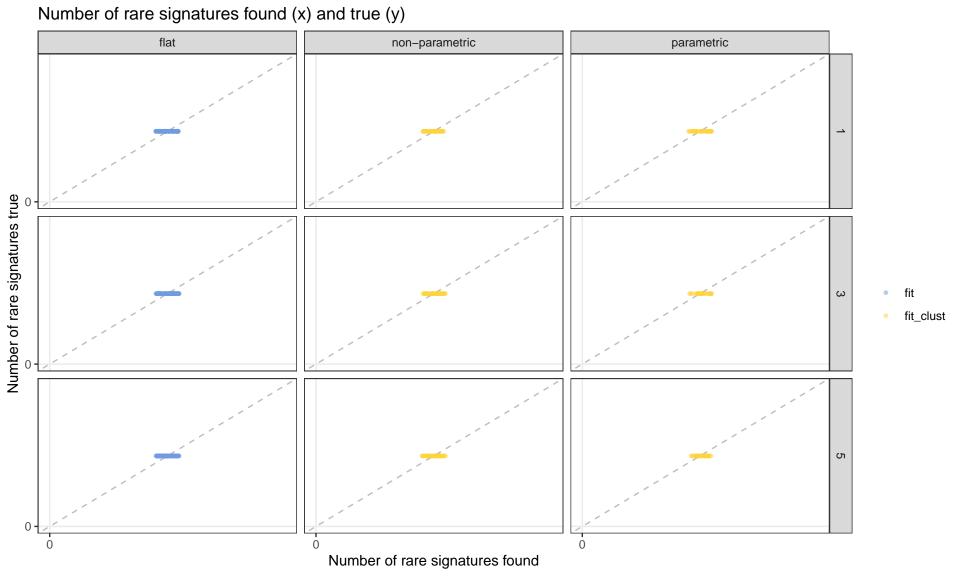
Ratio between number of rare signatures found and true



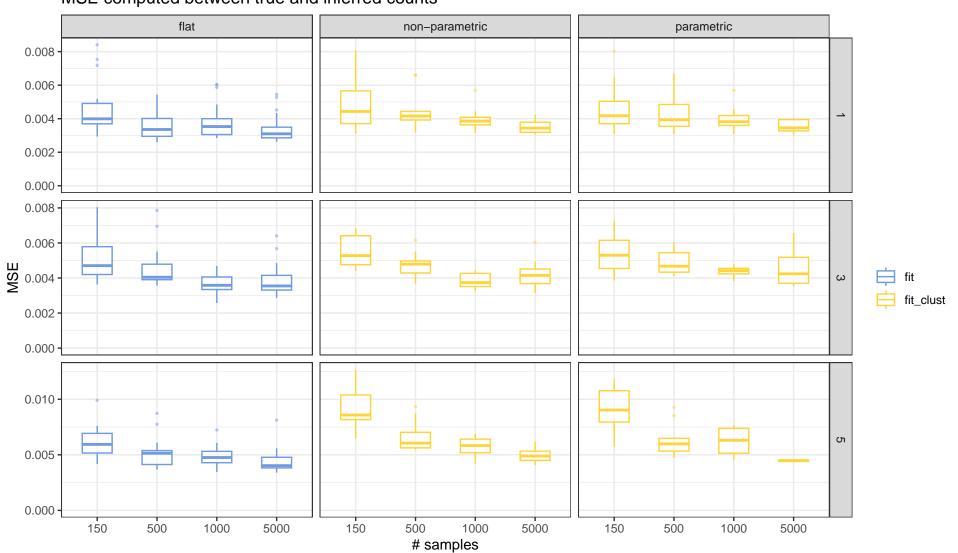
Number of signatures found (x) and true (y) flat non-parametric parametric 10 -8 -6 -2 -Number of signatures true fit fit\_clust 10 -8 -6 2 -10 10 10

Number of signatures found

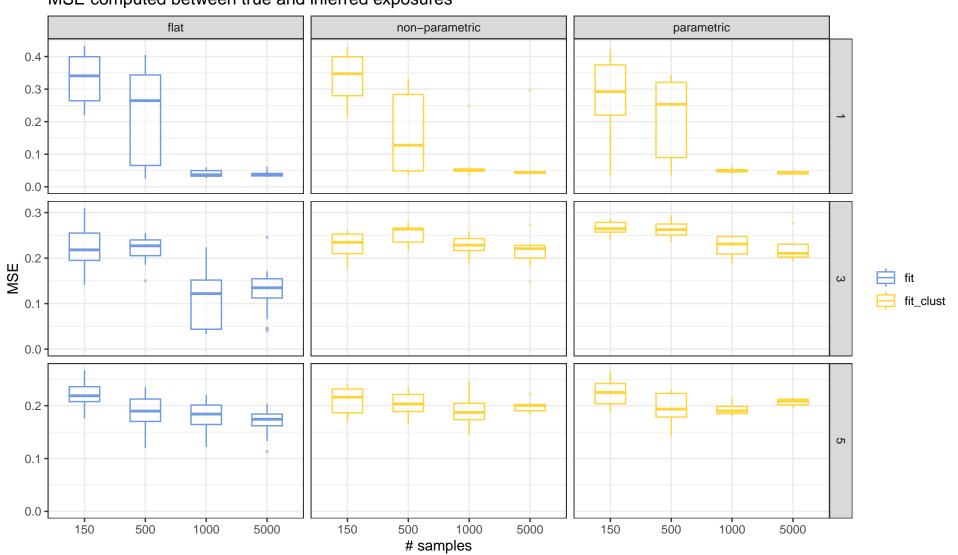
Number of common signatures found (x) and true (y) non-parametric flat parametric Number of common signatures true fit\_clust Number of common signatures found



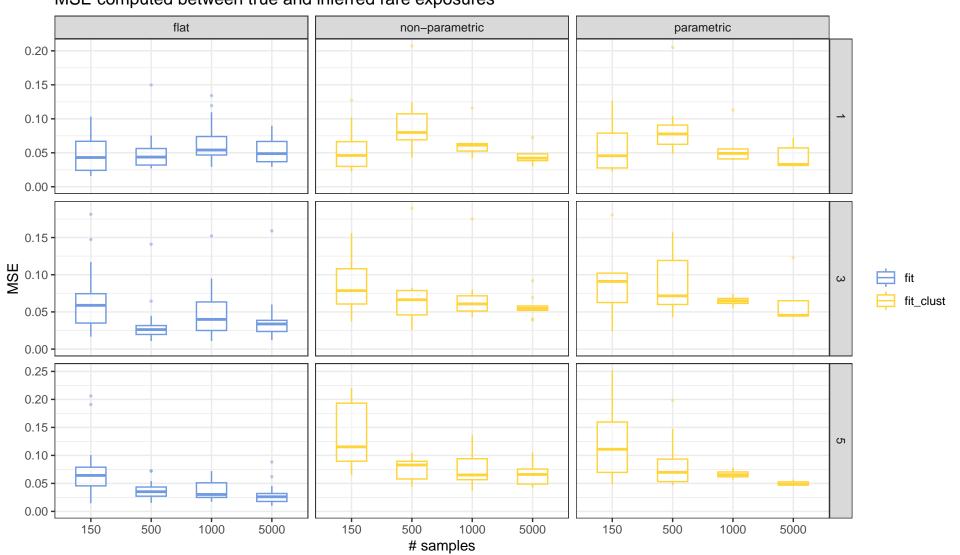
MSE computed between true and inferred counts



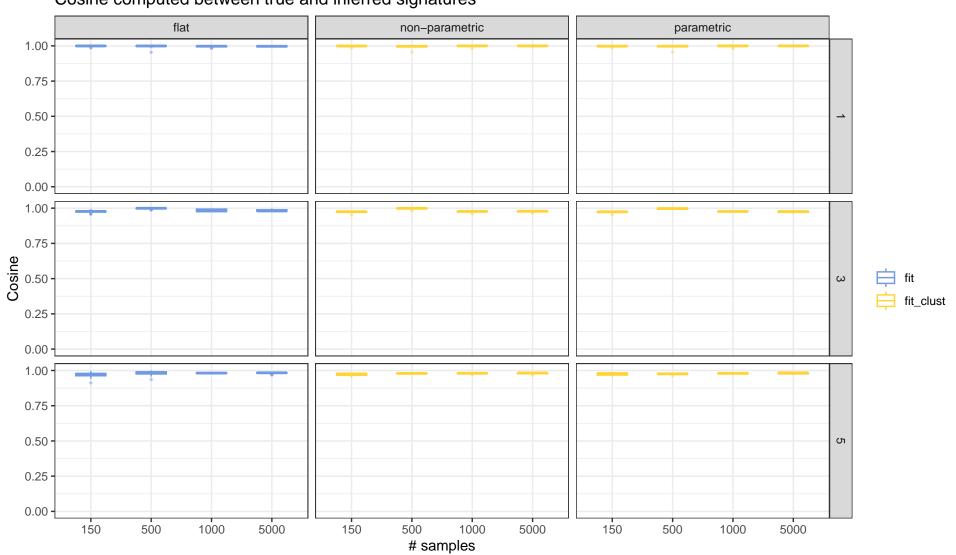
MSE computed between true and inferred exposures



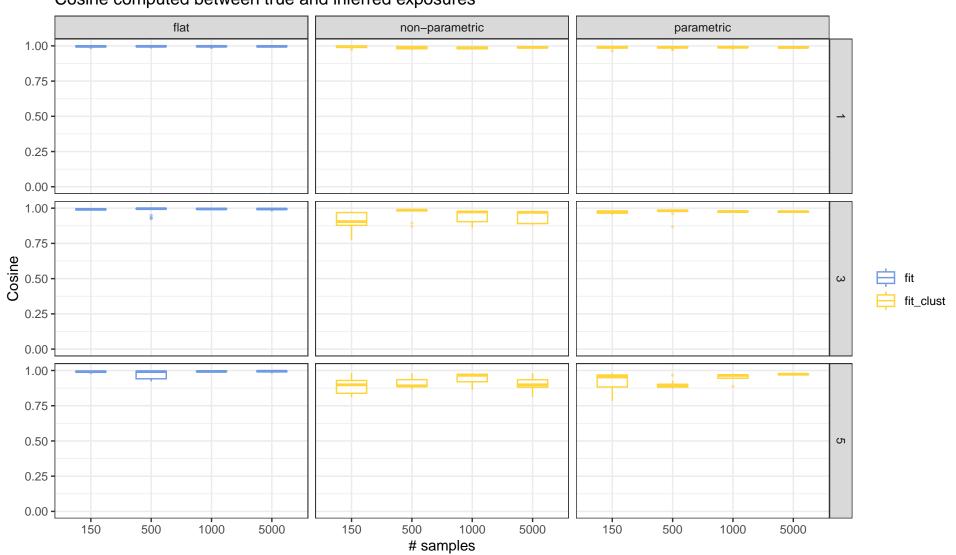
MSE computed between true and inferred rare exposures



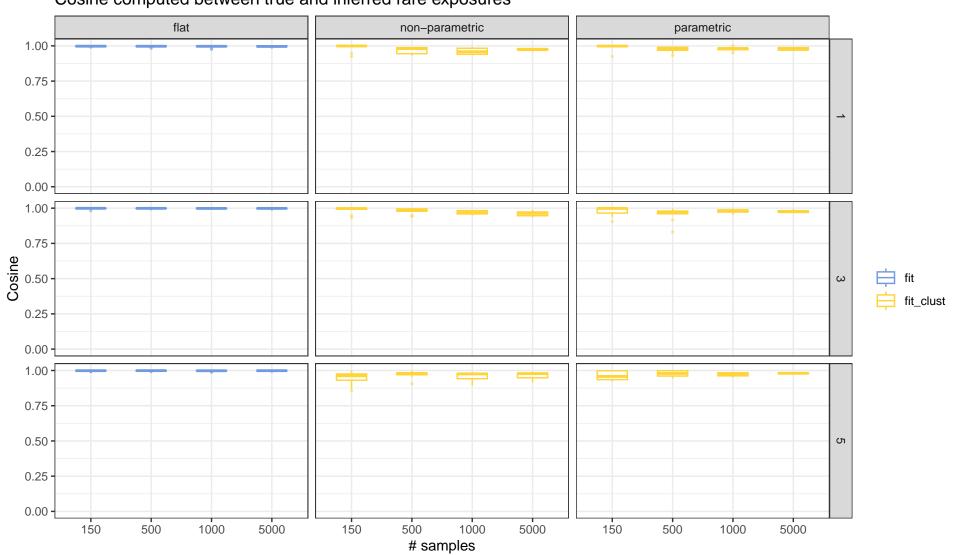
Cosine computed between true and inferred signatures



Cosine computed between true and inferred exposures



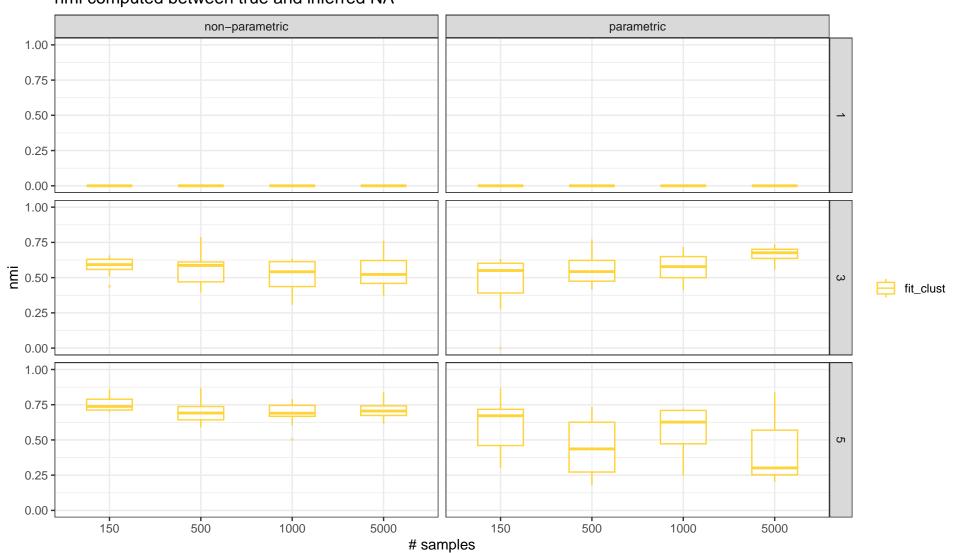
Cosine computed between true and inferred rare exposures



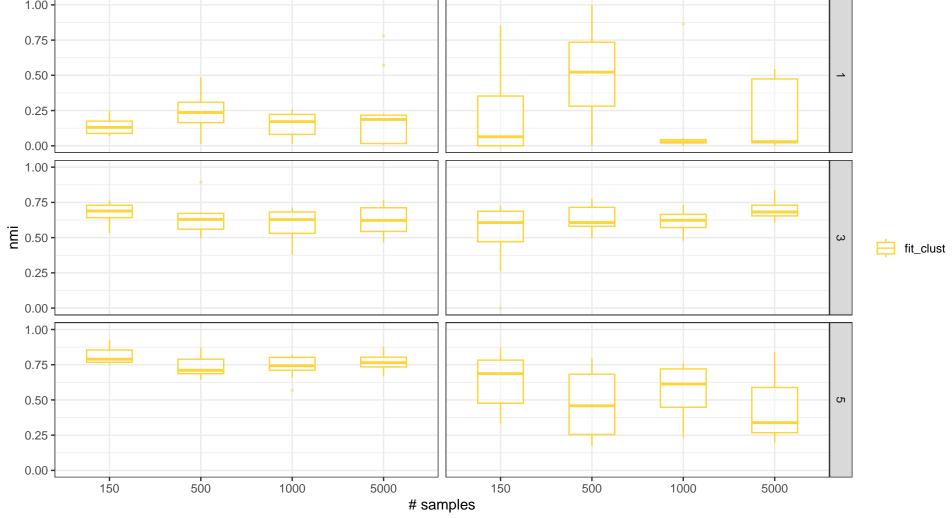
Ratio between number of clusters found and true non-parametric parametric 2.0 -1.5 1.0 0.5 0.0 1.5 -Ratio ... ω fit\_clust 0.5 0.0 1.0 0.5 0.0 -5000 500 1000 150 500 1000 5000 150 # samples

Number of clusters found (x) and true (y) non-parametric parametric Number of clusters true fit\_clust Number of clusters found

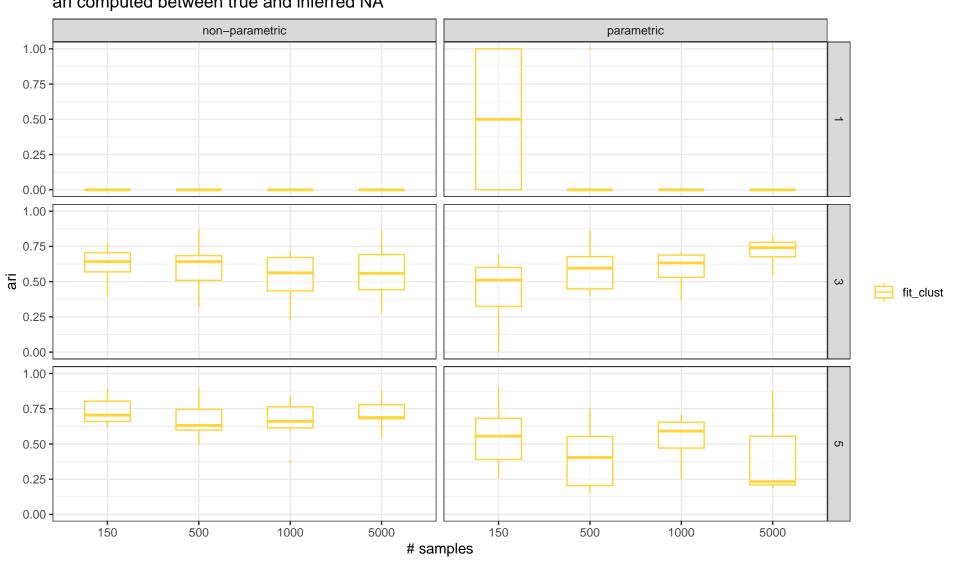
nmi computed between true and inferred NA



nmi computed between true and inferred rare parametric non-parametric 1.00 -0.75 0.50 -0.25 0.00 1.00 0.75 ω it\_clust 0.25 0.00 1.00 0.75 -0.50 -S



ari computed between true and inferred NA



ari computed between true and inferred rare

