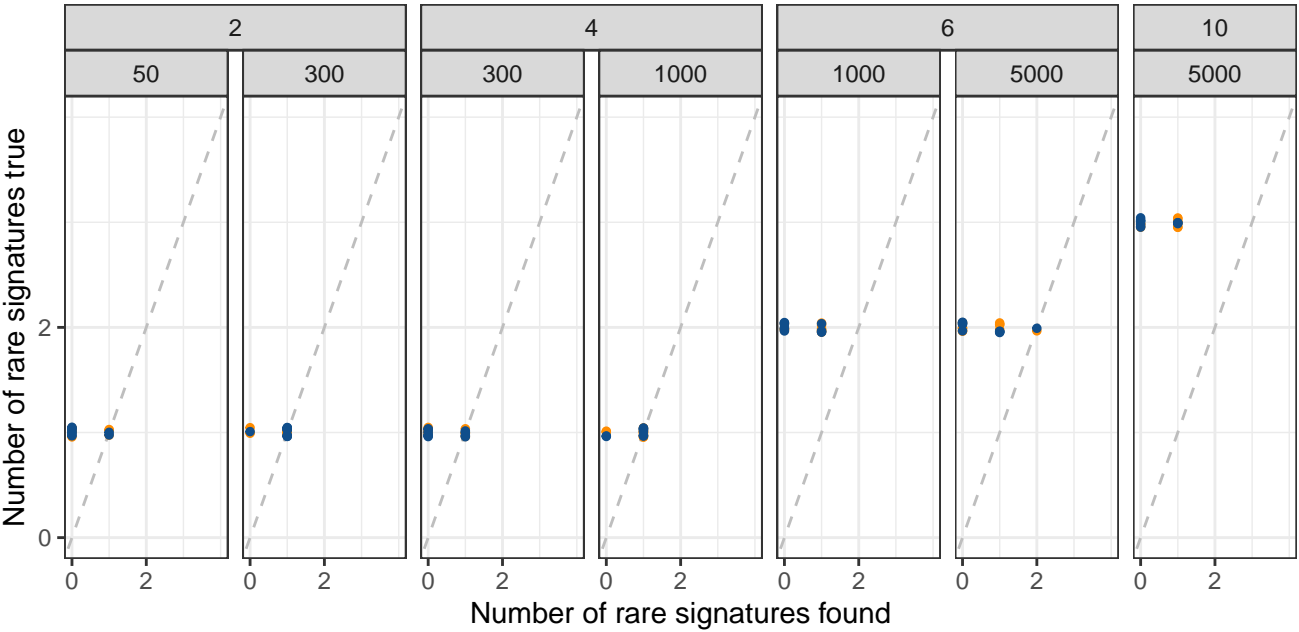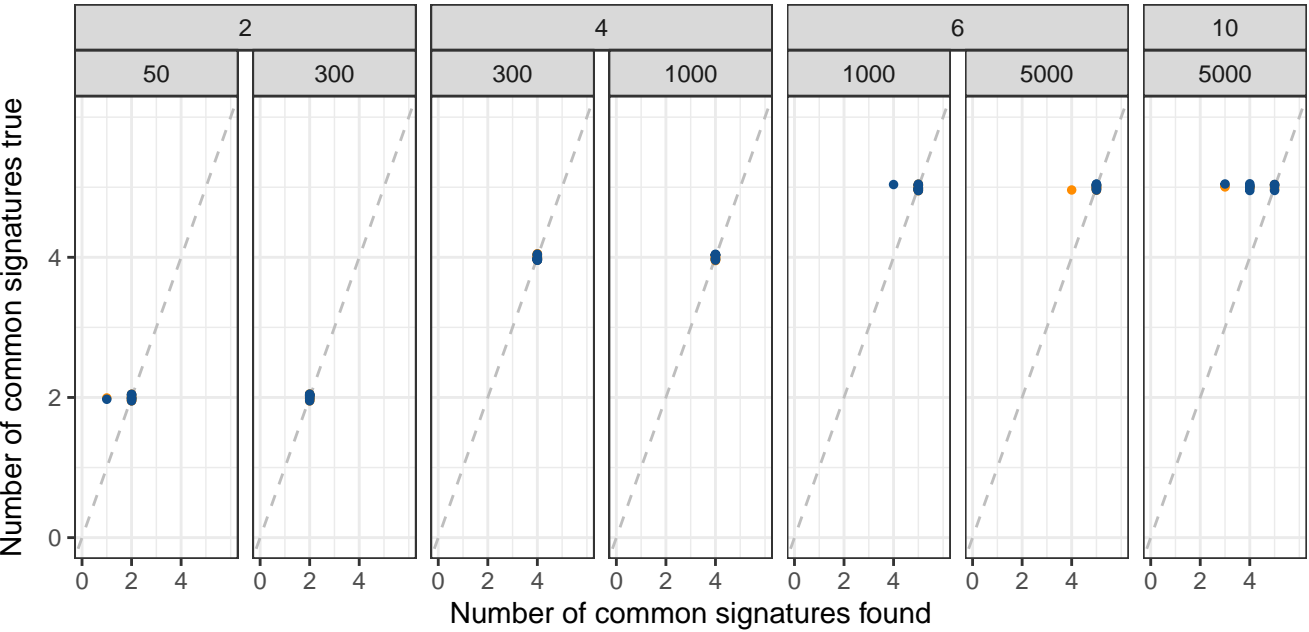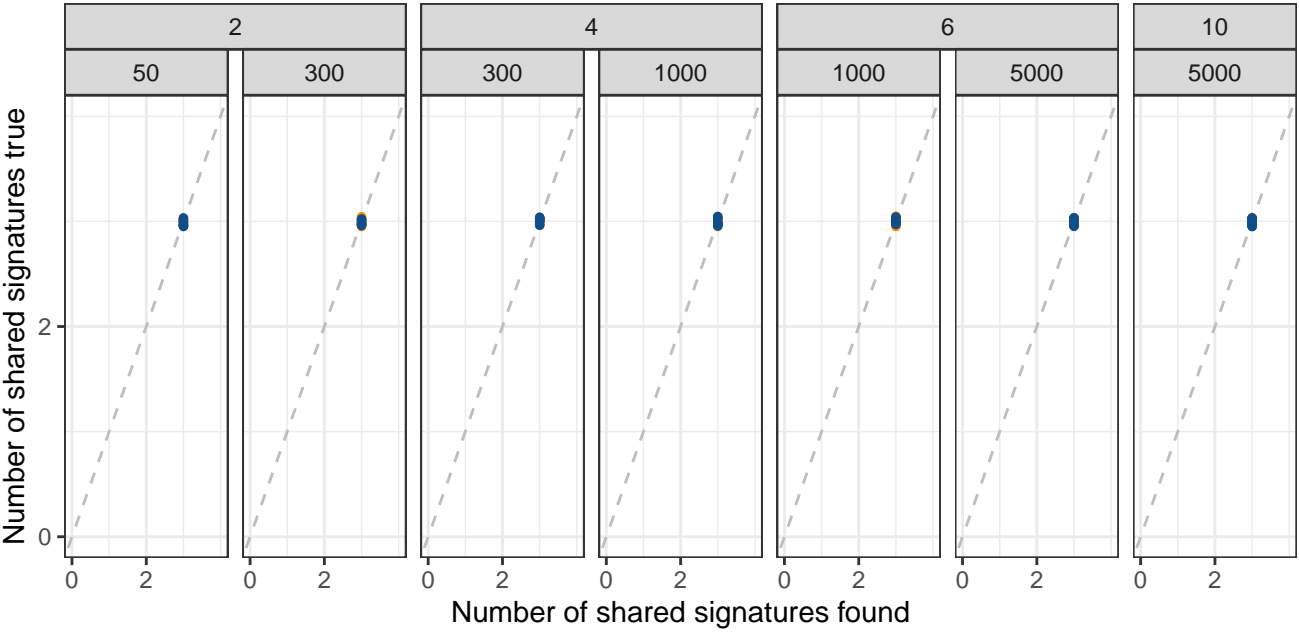**Number of rare signatures found (x) and true (y)**
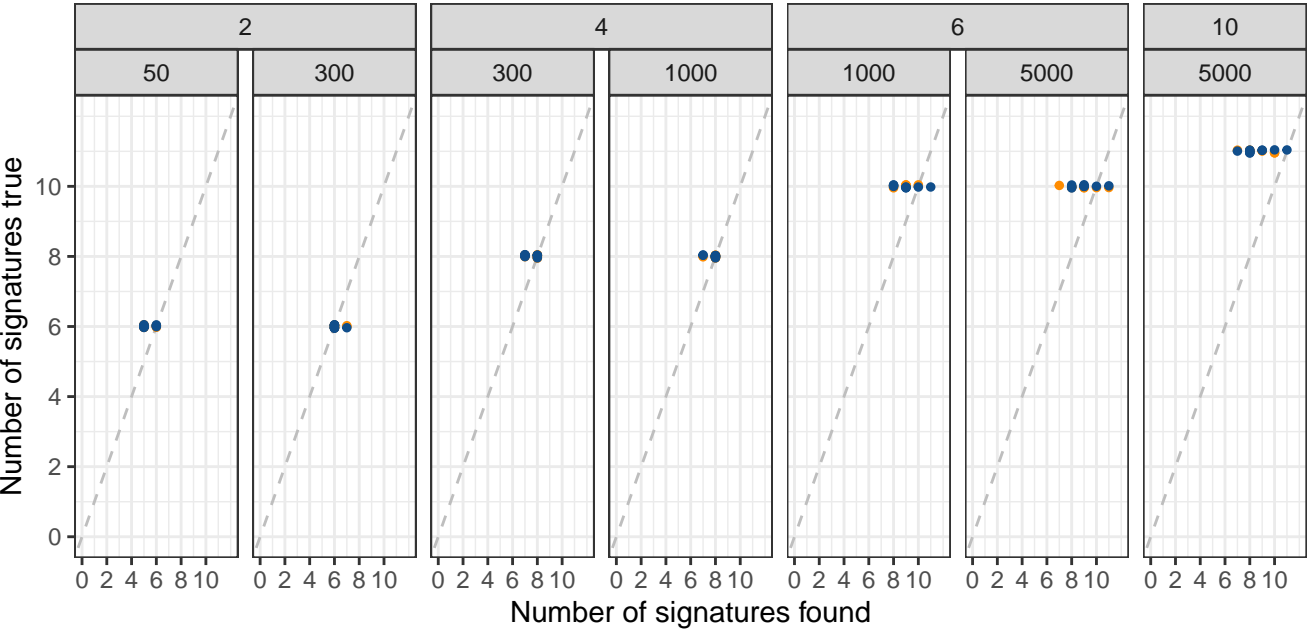
Number of common signatures found (x) and true (y)

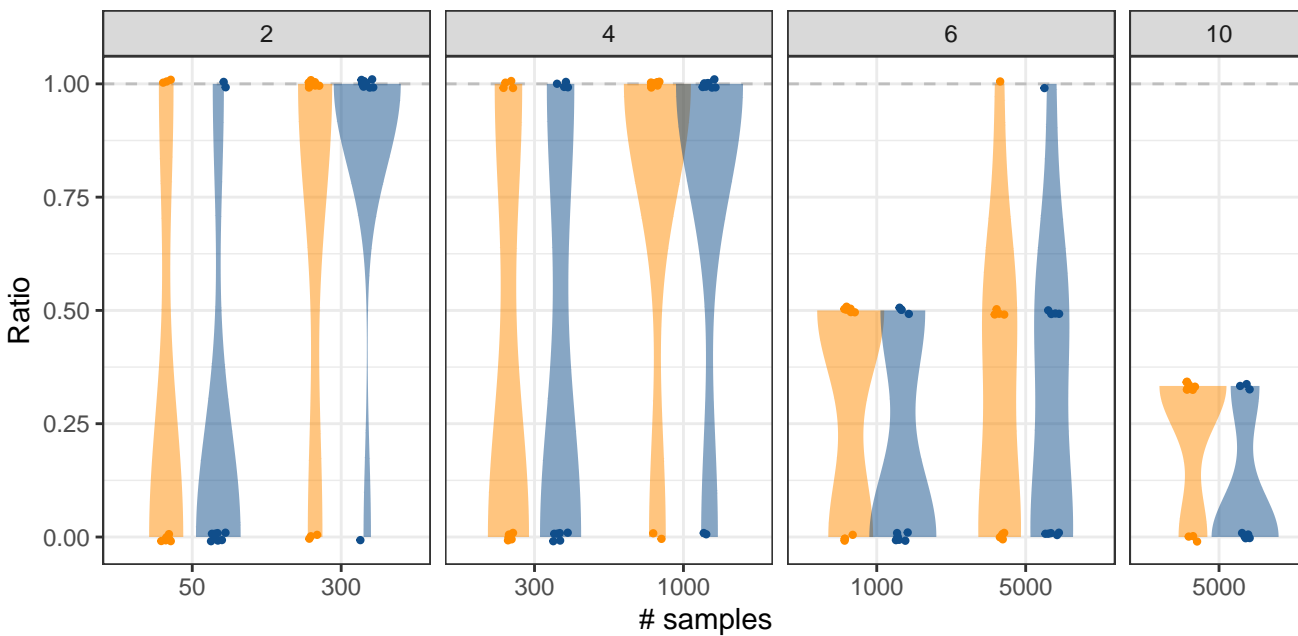**Number of shared signatures found (x) and true (y)**
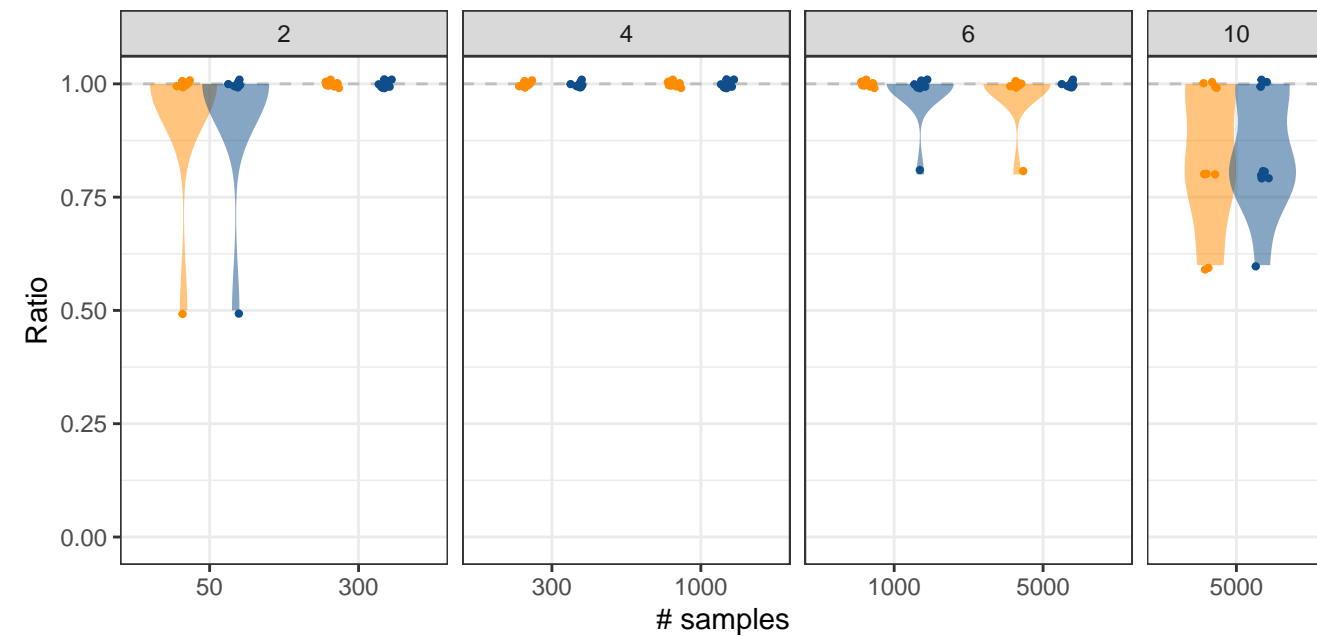
Number of signatures found (x) and true (y)
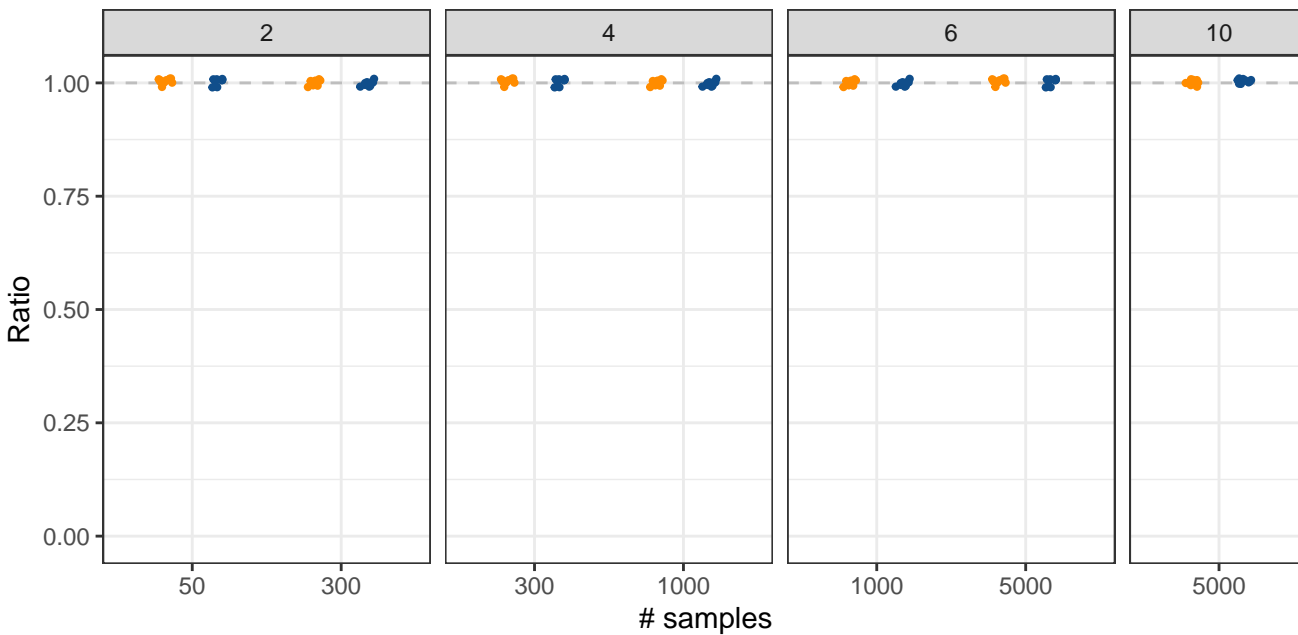
Hierarchical   Non−hierarchical

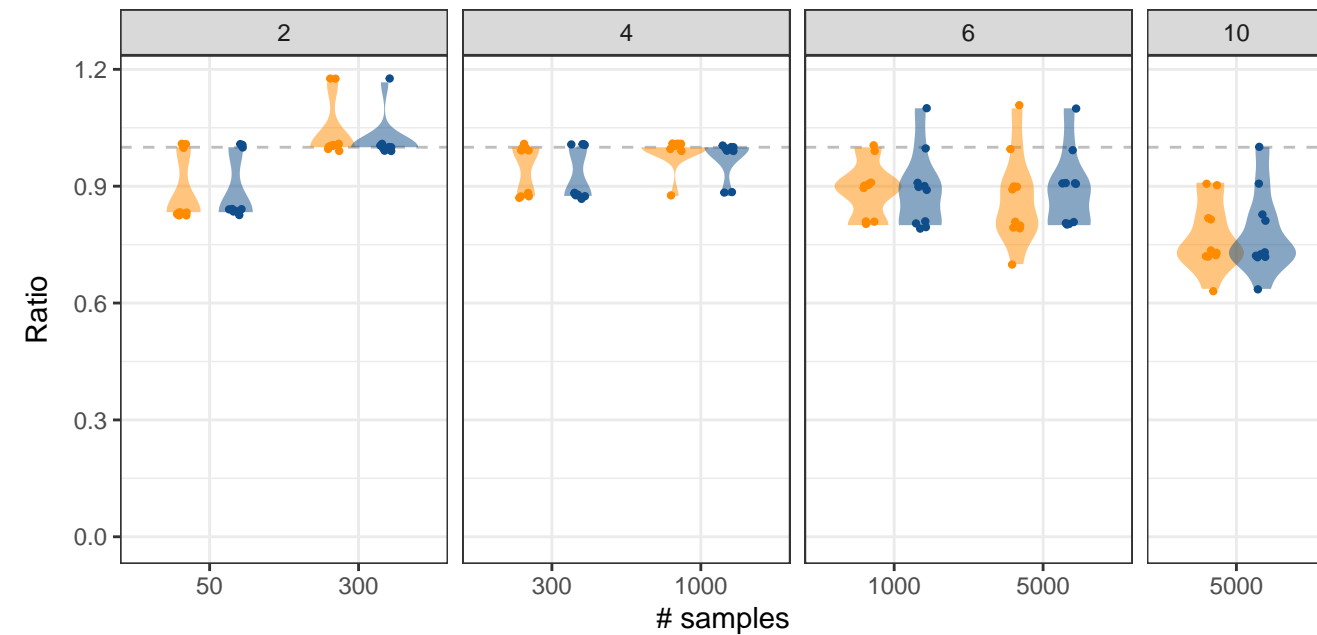Ratio between number of rare signatures found and true

Ratio between number of common signatures found and true
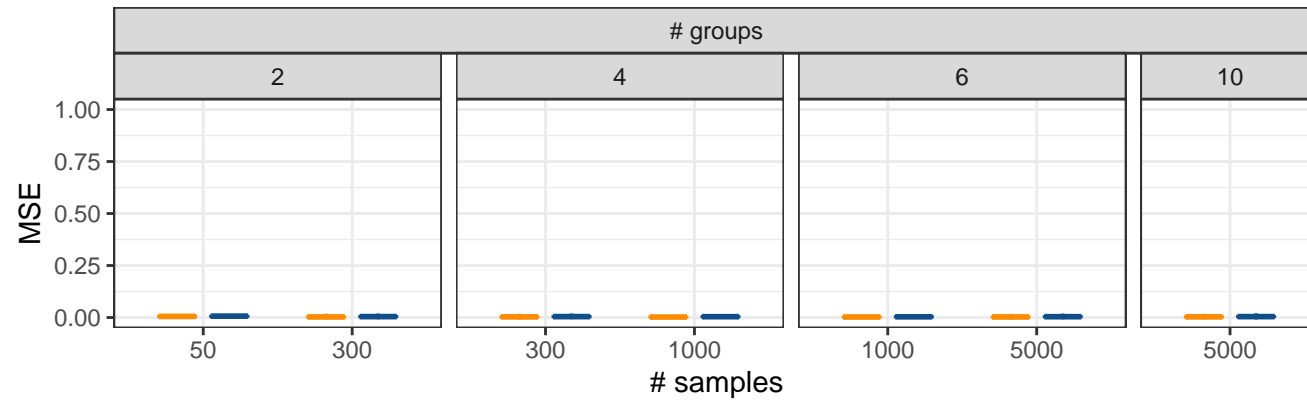
Ratio between number of shared signatures found and true

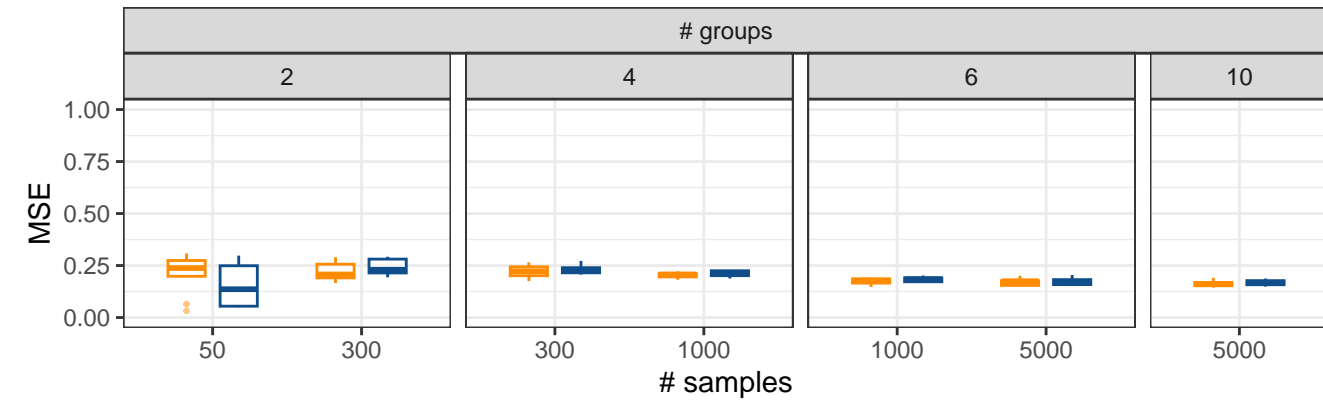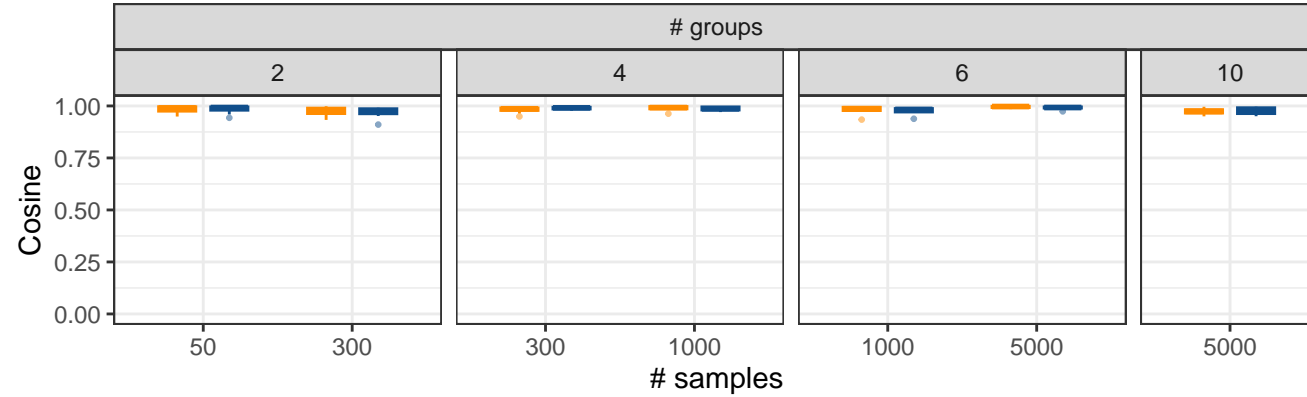Ratio between number of signatures found and true

Hierarchical Non-hierarchical

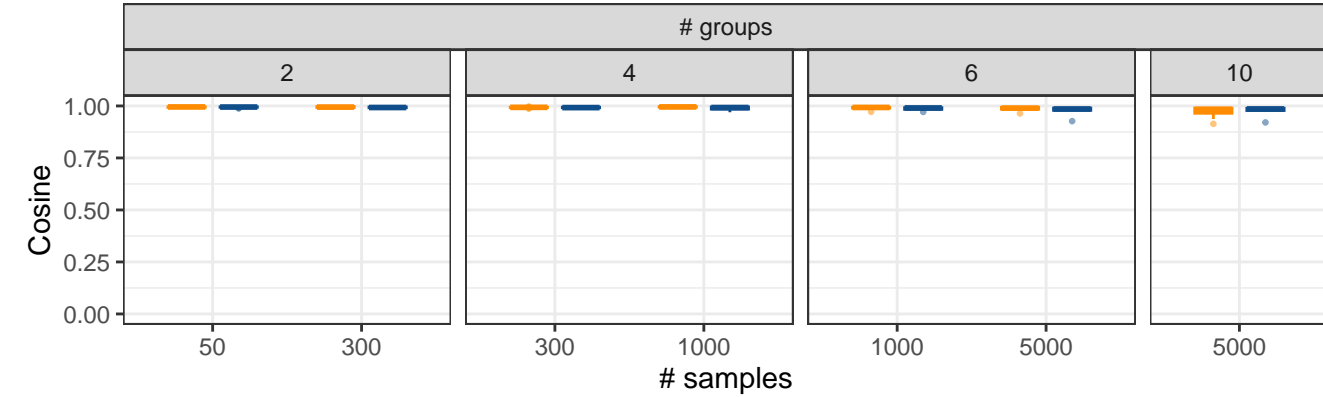**MSE computed between true and inferred counts**

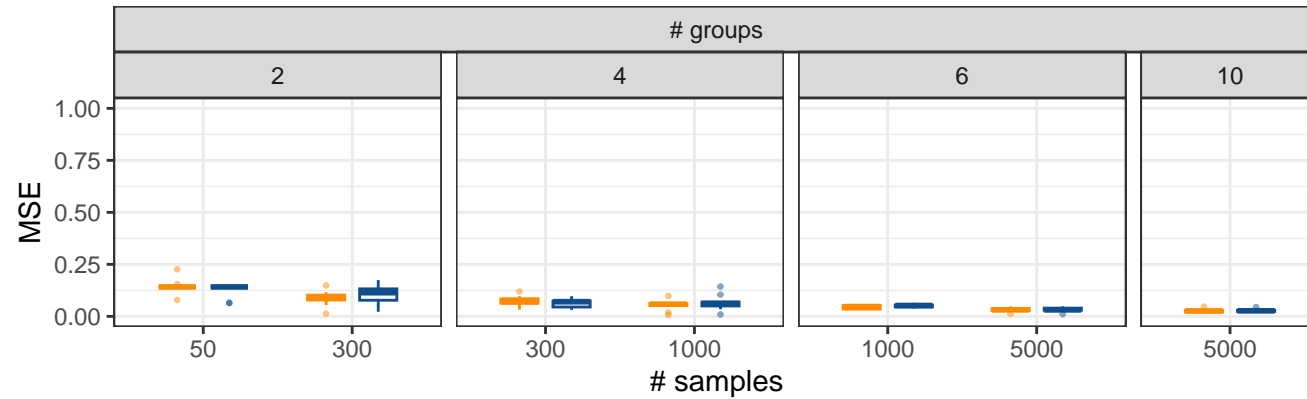**MSE computed between true and inferred exposures**

Cosine computed between true and inferred signatures

Cosine computed between true and inferred exposures

MSE computed between true and inferred rare exposures

Hierarchical   Non-hierarchical