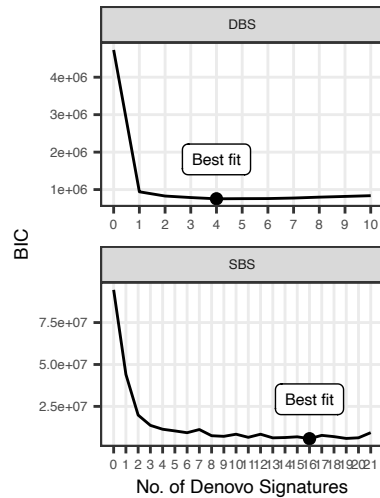


A

## Model selection

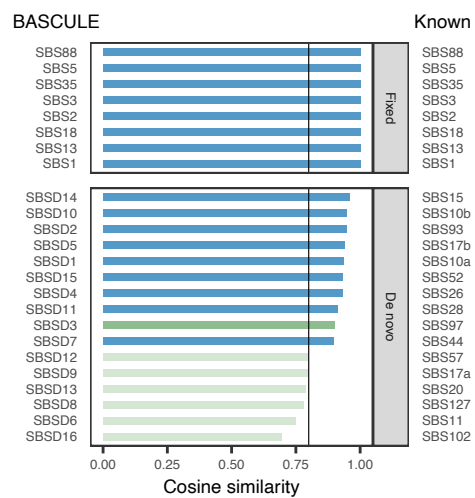
BIC of the tested bNMF models



B

## Mapping of de novo signatures

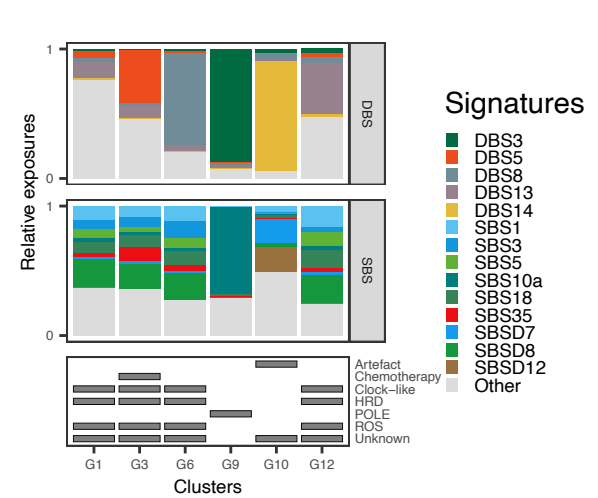
De novo signatures mapped to known catalogues



C

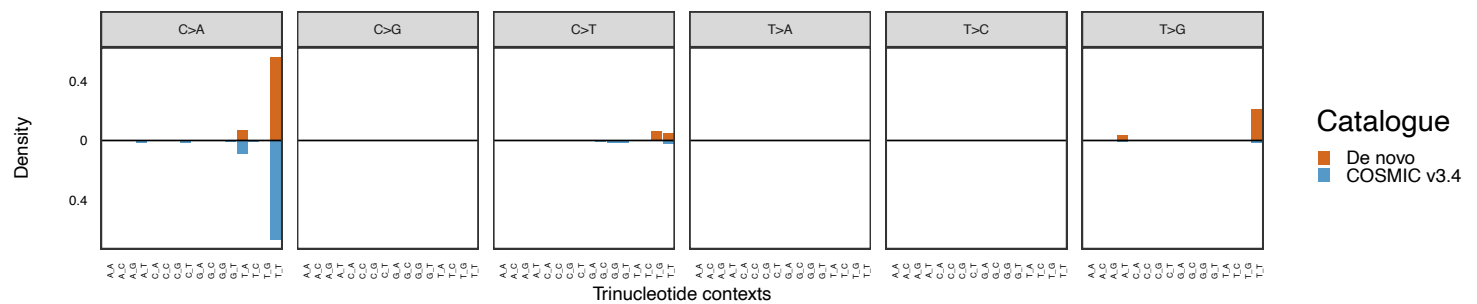
## Relevant signatures in clusters

Prevalence and aetiology of relevant signatures in clusters



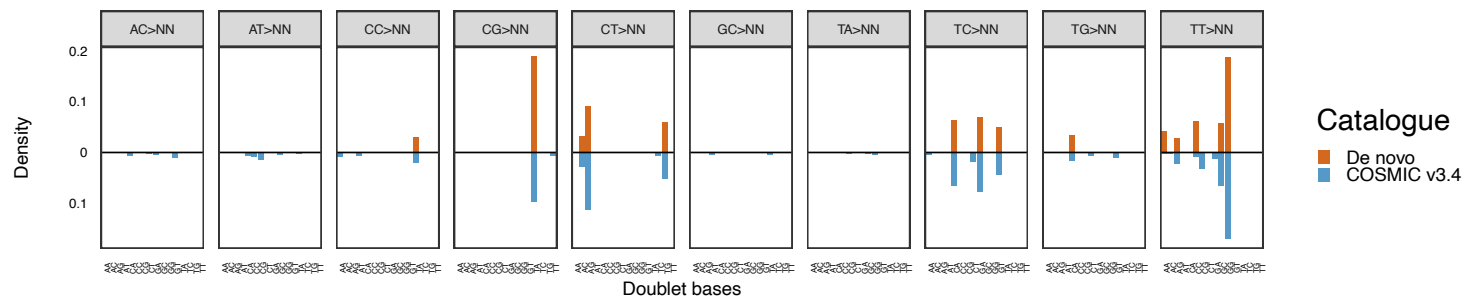
D

## Signatures SBSD1 and SBS10a



E

## Signatures DBSD2 and DBS3



F

## Samples exposures

Exposures to relevant signatures across all samples

