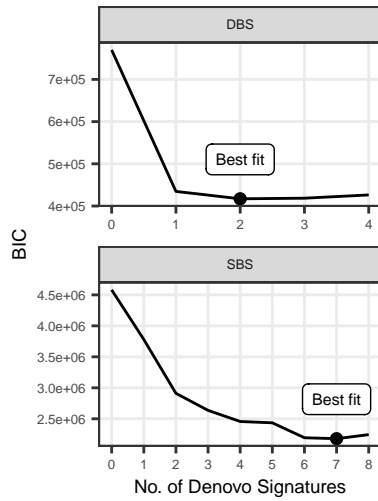


A

## Model selection

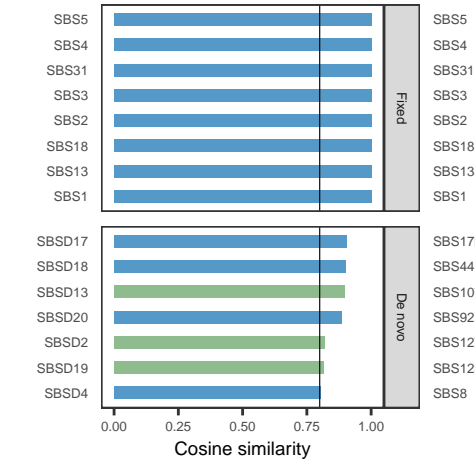
BIC of the tested bNMF models



B

## Mapping of de novo signatures

De novo signatures mapped to known catalogue

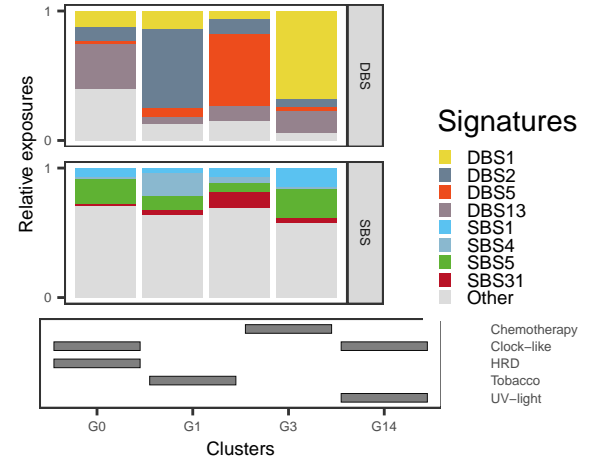


Catalogue ■ COSMIC v3.4 ■ Degasper et al.

C

## Relevant signatures in clusters

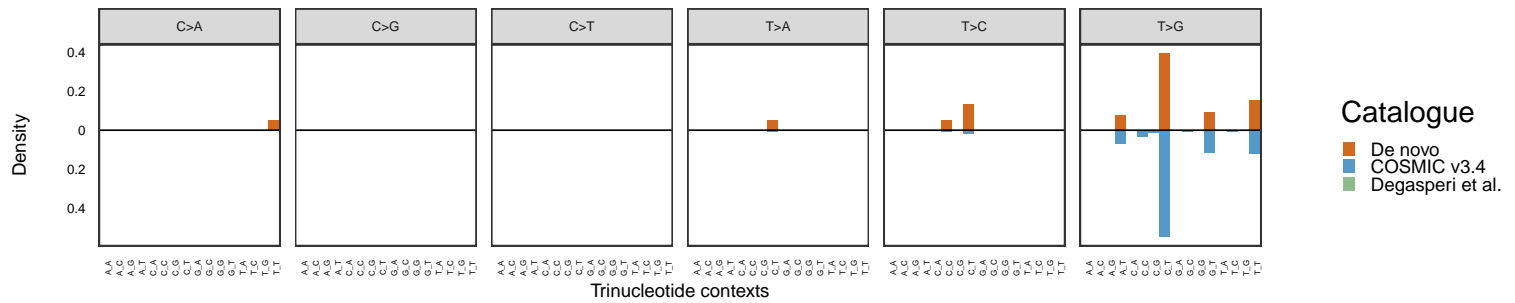
Prevalence and aetiology of relevant signatures in clusters



factor(is.present) ■ 1

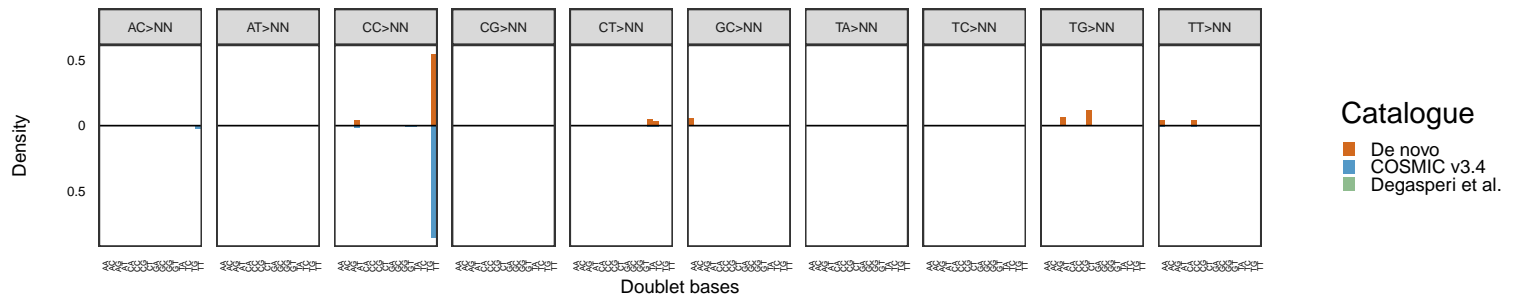
D

## Signatures SBSD17 and SBS17b



E

## Signatures DBSD1 and DBS1



F

## Samples exposures

Exposures to relevant signatures across all samples

