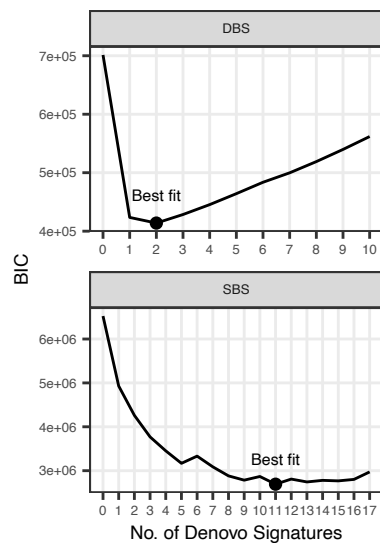


A

## Model selection

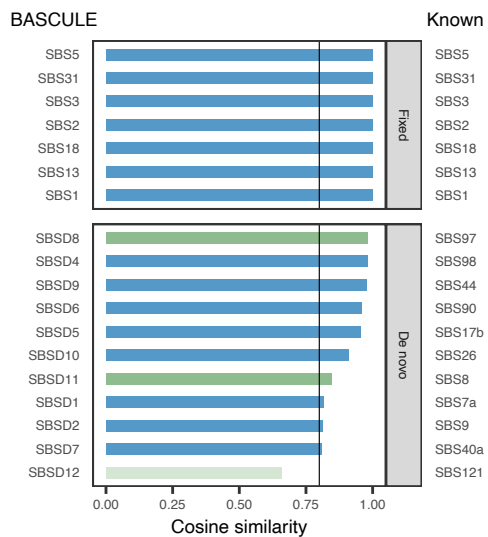
BIC of the tested bNMF models



B

## Mapping of de novo signatures

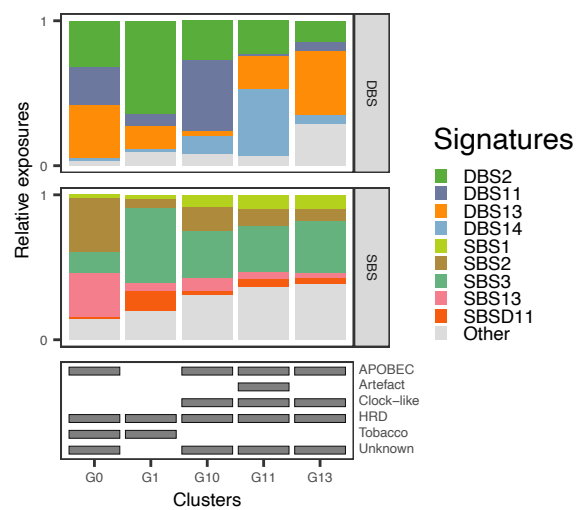
De novo catalogue mapped to known catalogues

Catalogue ■ COSMIC v3.4 ■ Degasperi et al.

C

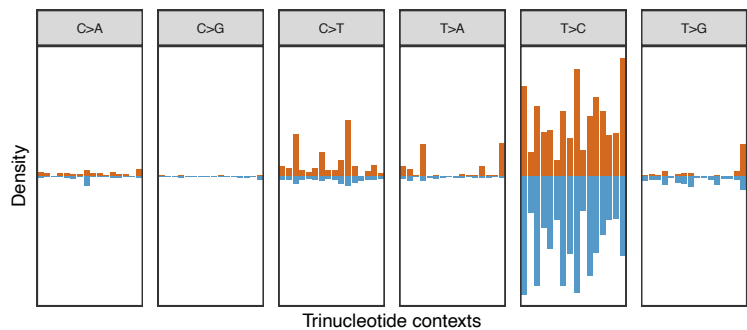
## Relevant signatures in clusters

Prevalence and aetiology of relevant signatures in clusters



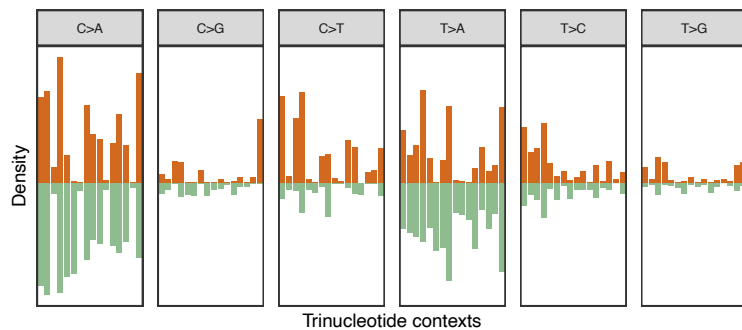
D

## Signatures SBSD10 and SBS26

Catalogue ■ De novo ■ COSMIC v3.4 ■ Degasperi et al.

E

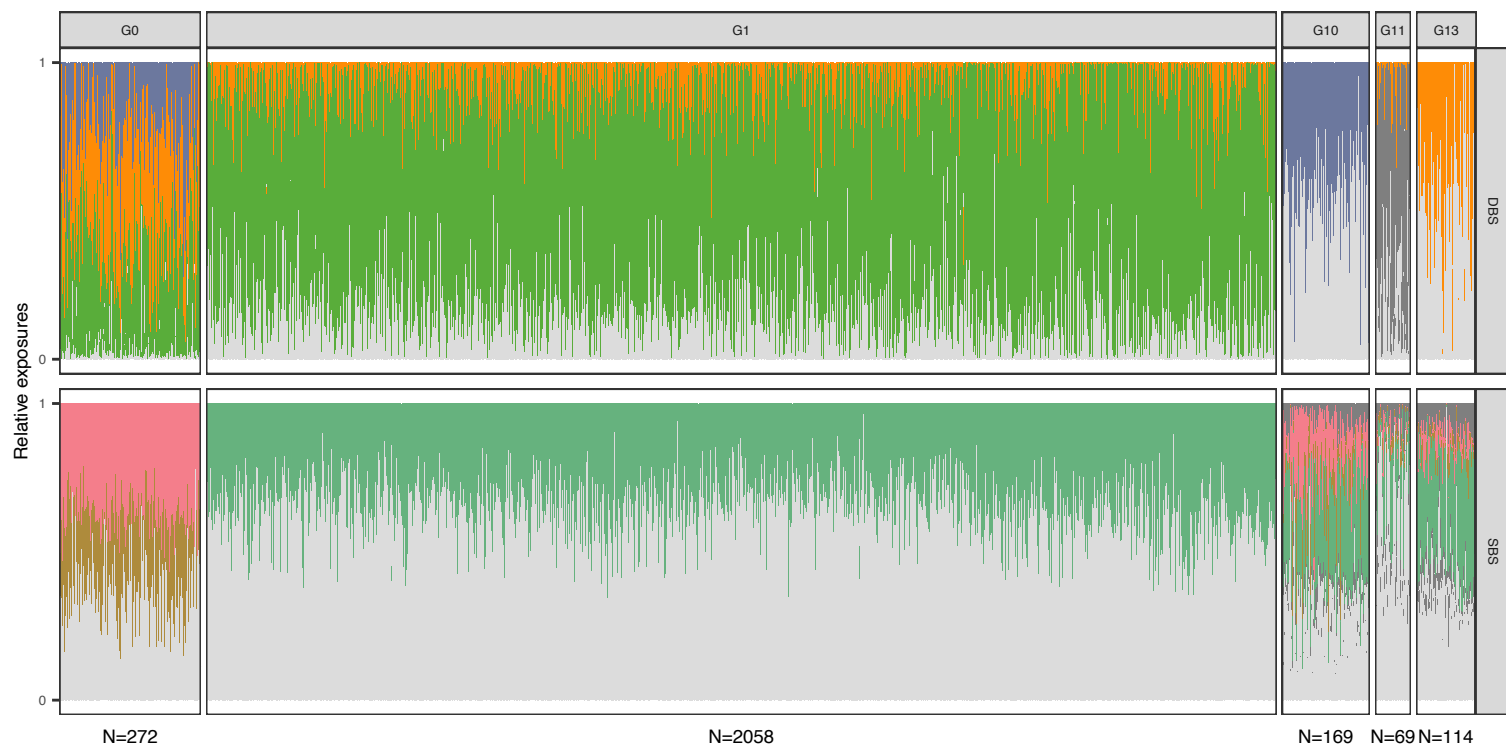
## Signatures SBSD11 and SBS8



F

## Samples exposures

Exposures to relevant signatures across all samples

Signatures ■ DBS2 ■ DBS11 ■ DBS13 ■ SBS2 ■ SBS3 ■ SBS13 ■ Other