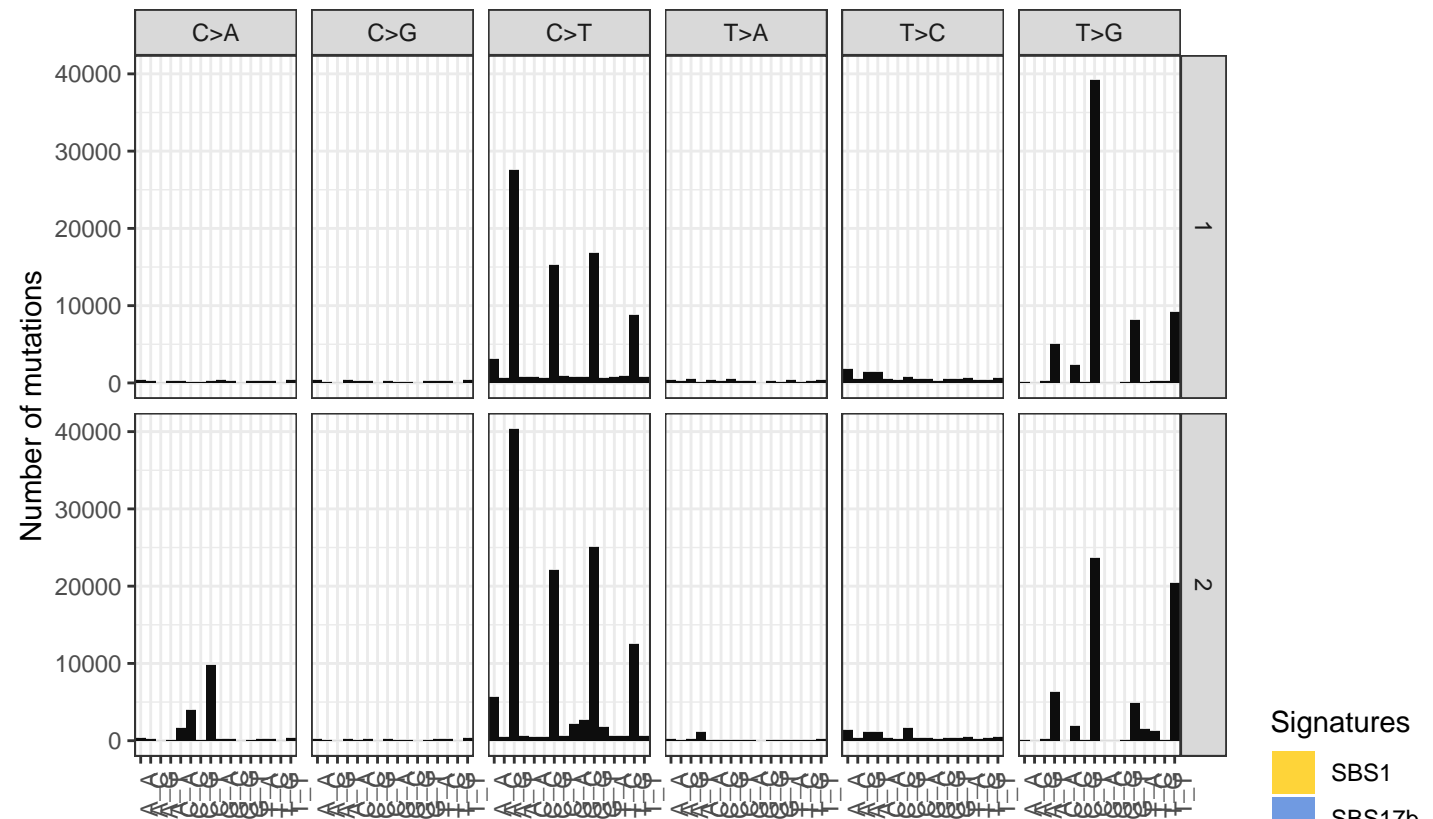
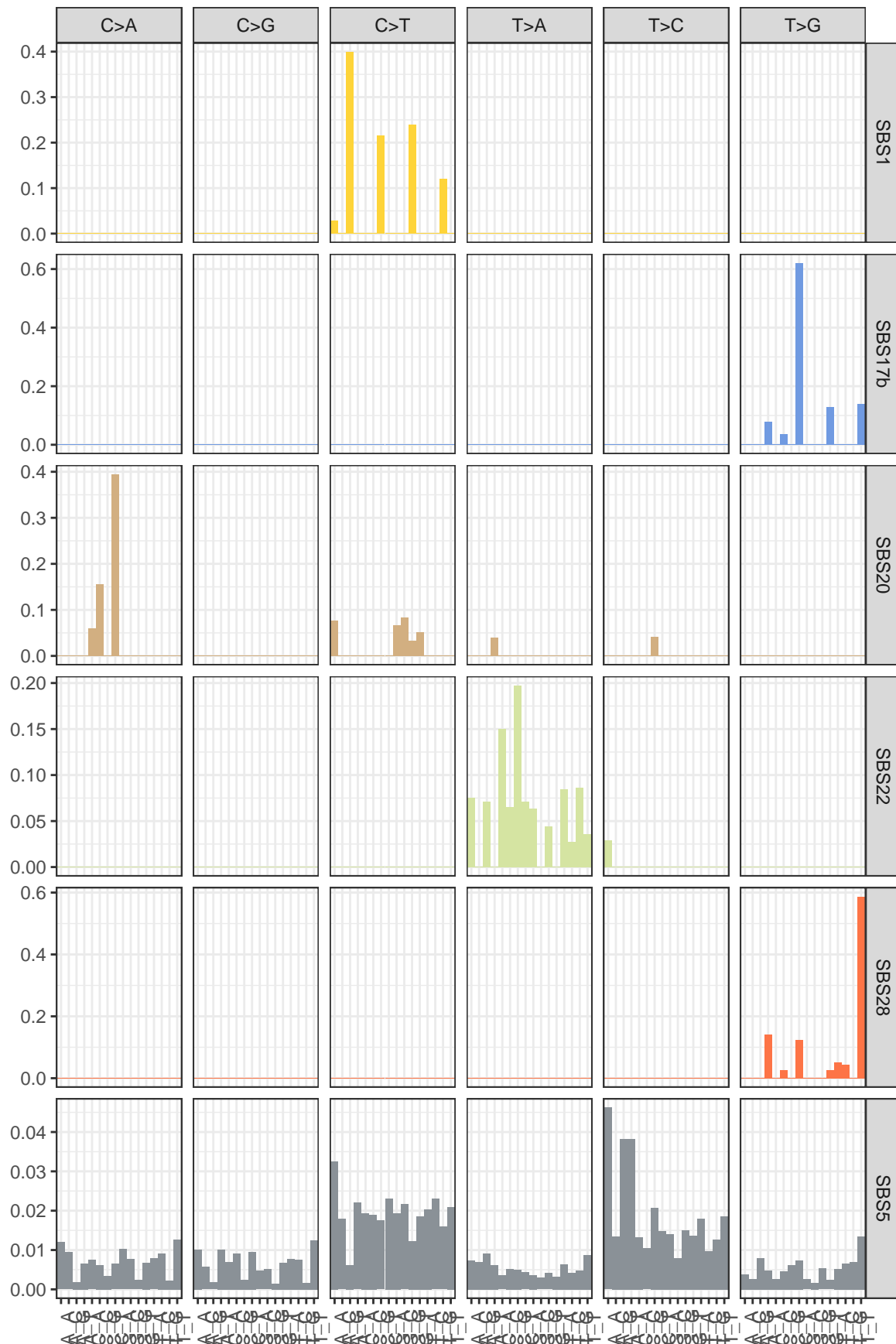
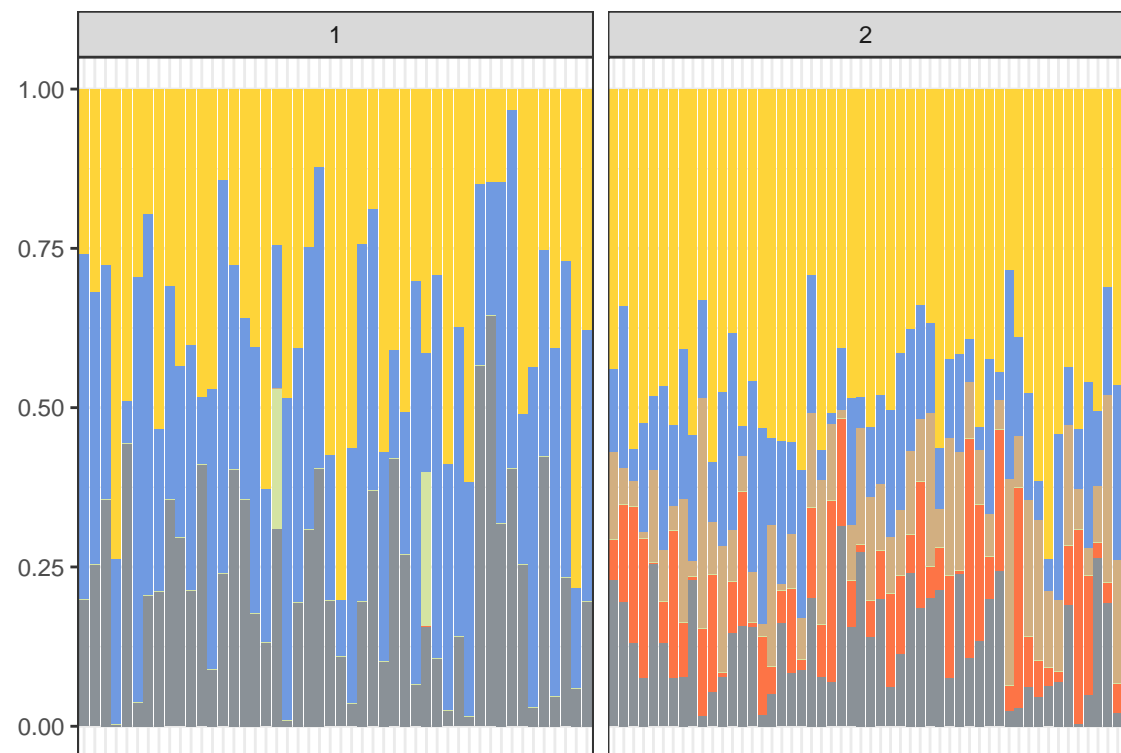


SIMUL: Rare sigs SBS22 frequency 0.05 – Common sigs SBS20

## Signatures

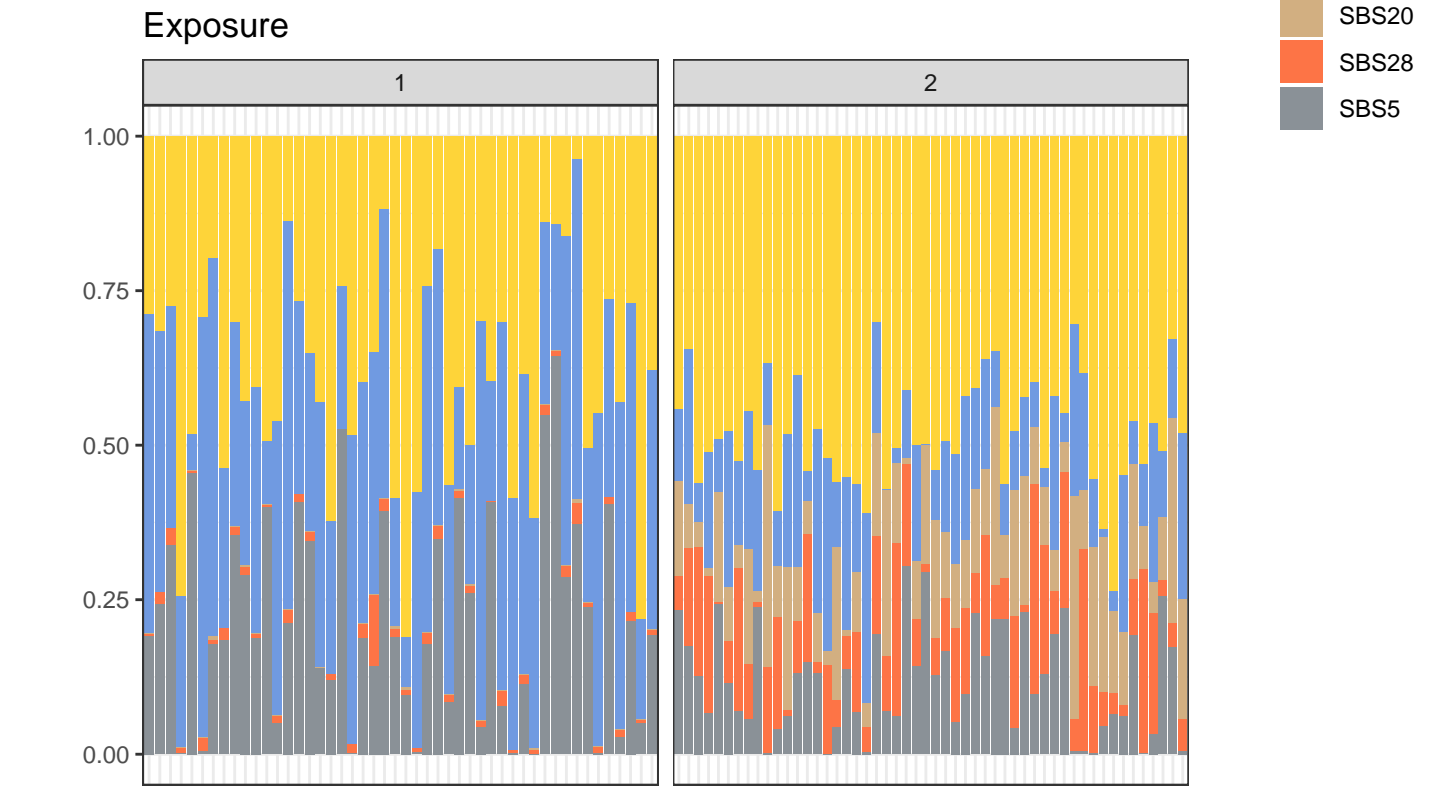
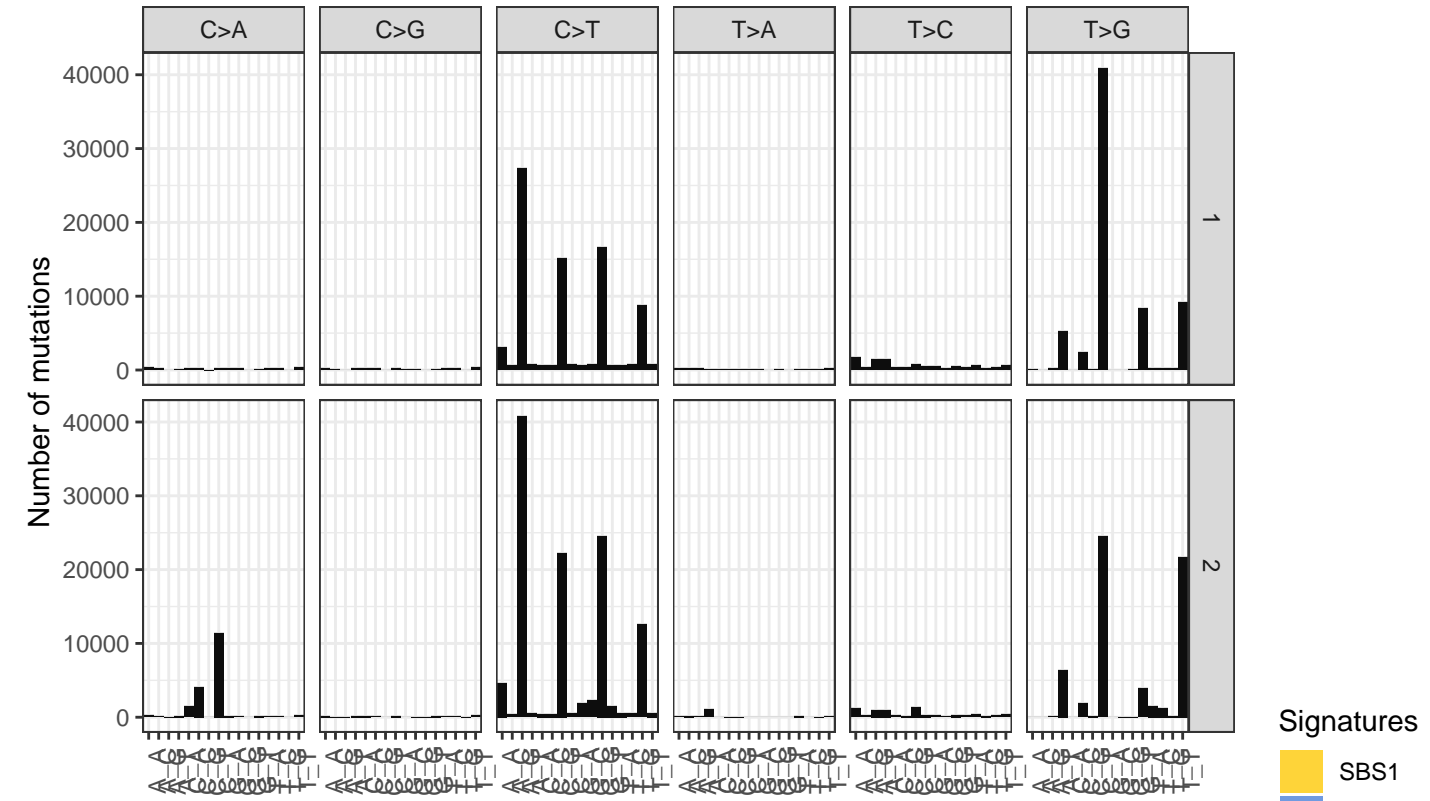
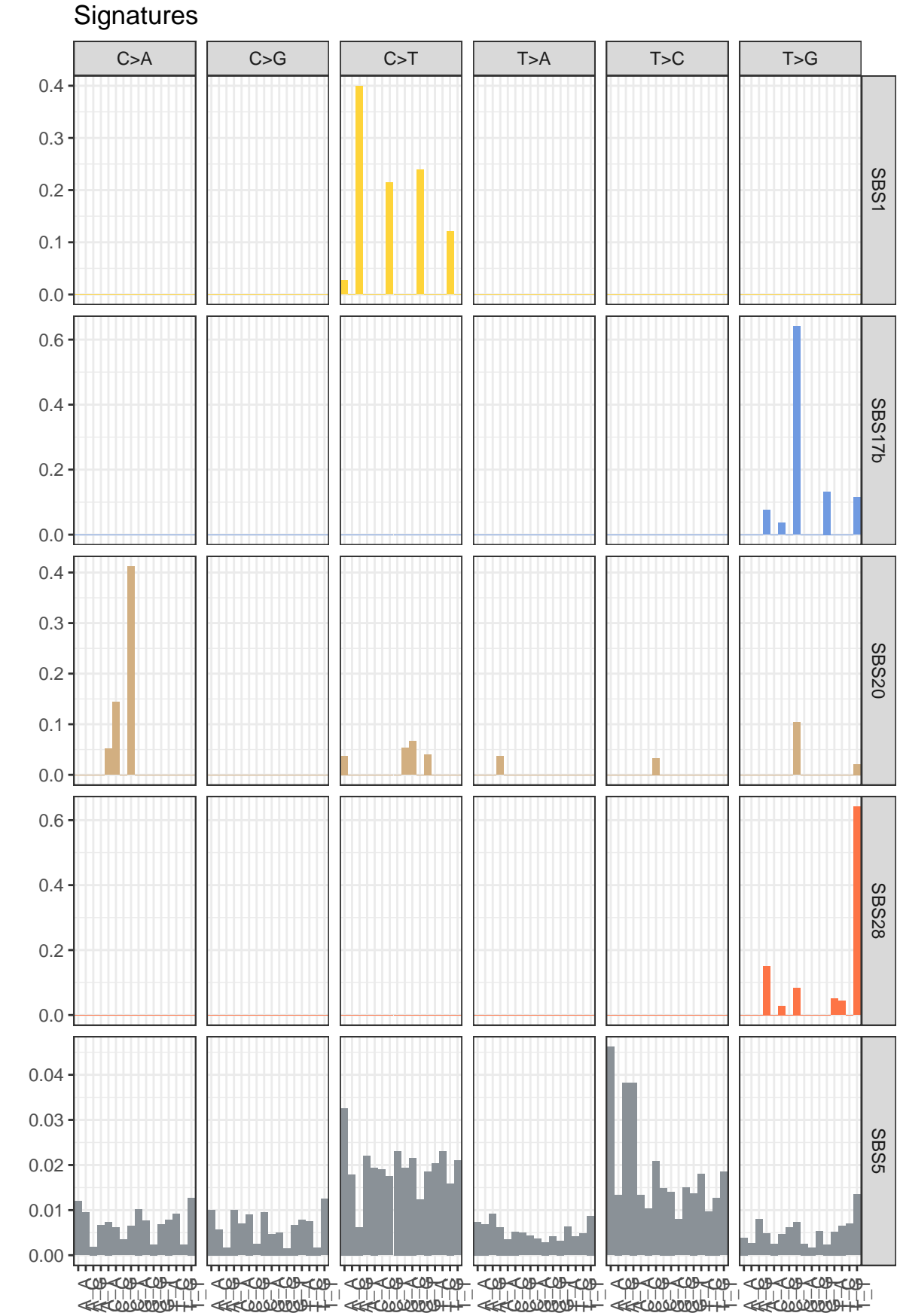


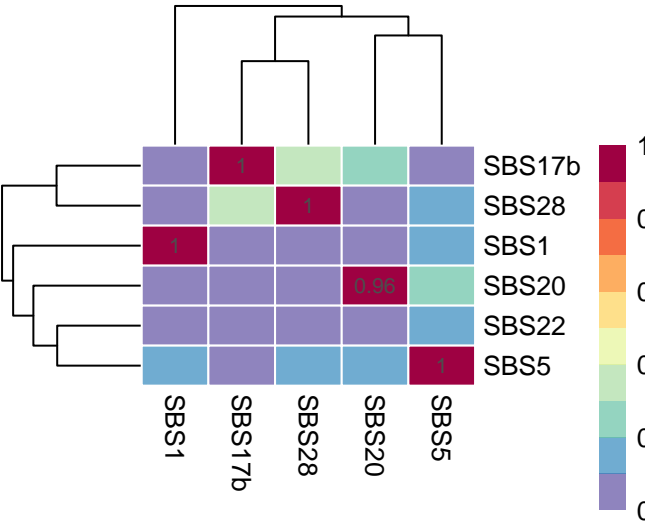
## Exposure



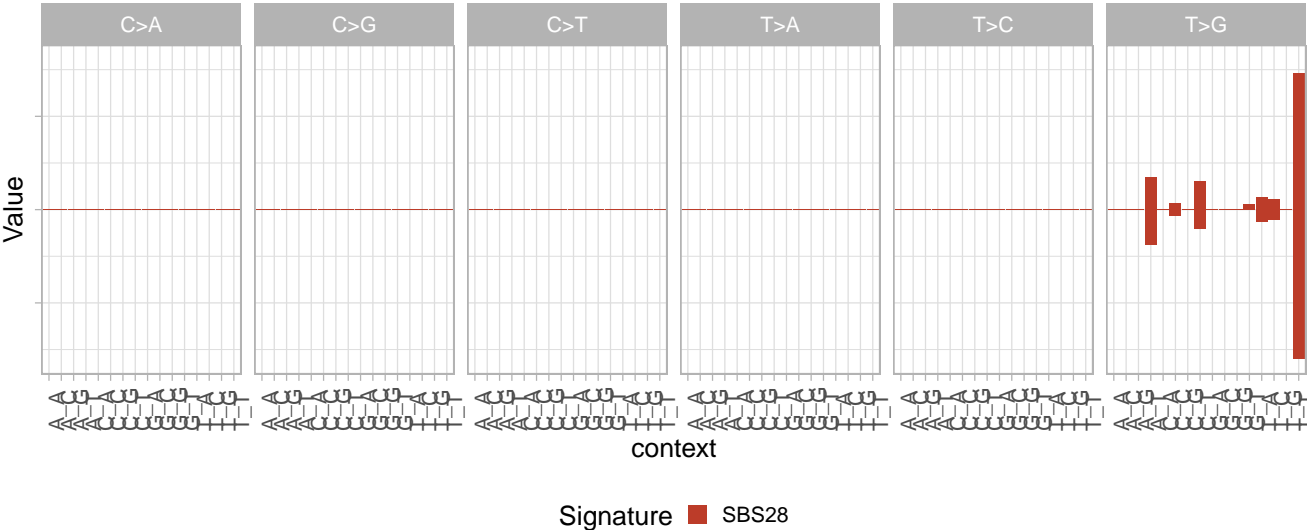
FIT: Rare sigs SBS22 frequency 0.05 – Common sigs SBS20

Missing sigs SBS22 – Added sigs

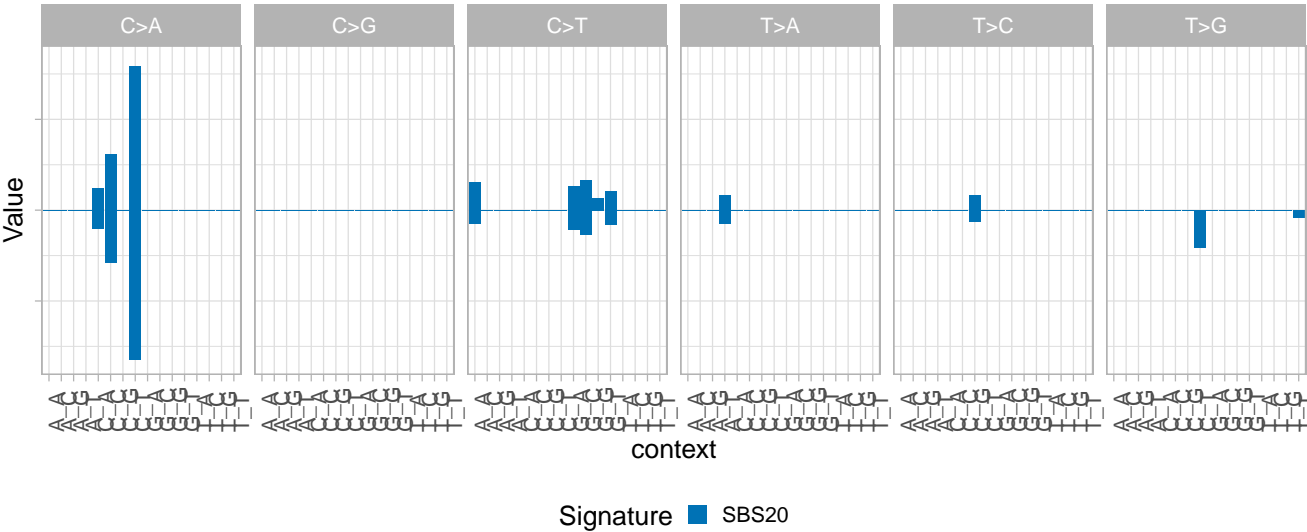




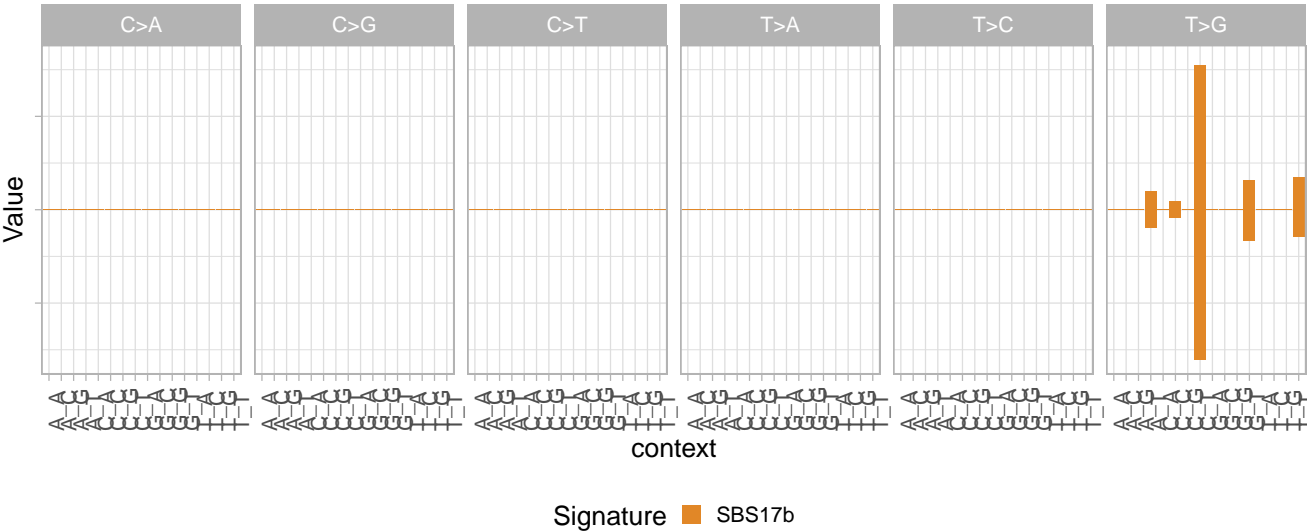
SBS28 vs SBS28 cosine similarity  $\theta = 0.9962715$



SBS20 vs SBS20 cosine similarity  $\theta = 0.9649326$



SBS17b vs SBS17b cosine similarity  $\theta = 0.9992301$



HIER FIT: Rare sigs SBS22 frequency 0.05 – Common sigs SBS20

Missing sigs – Added sigs

