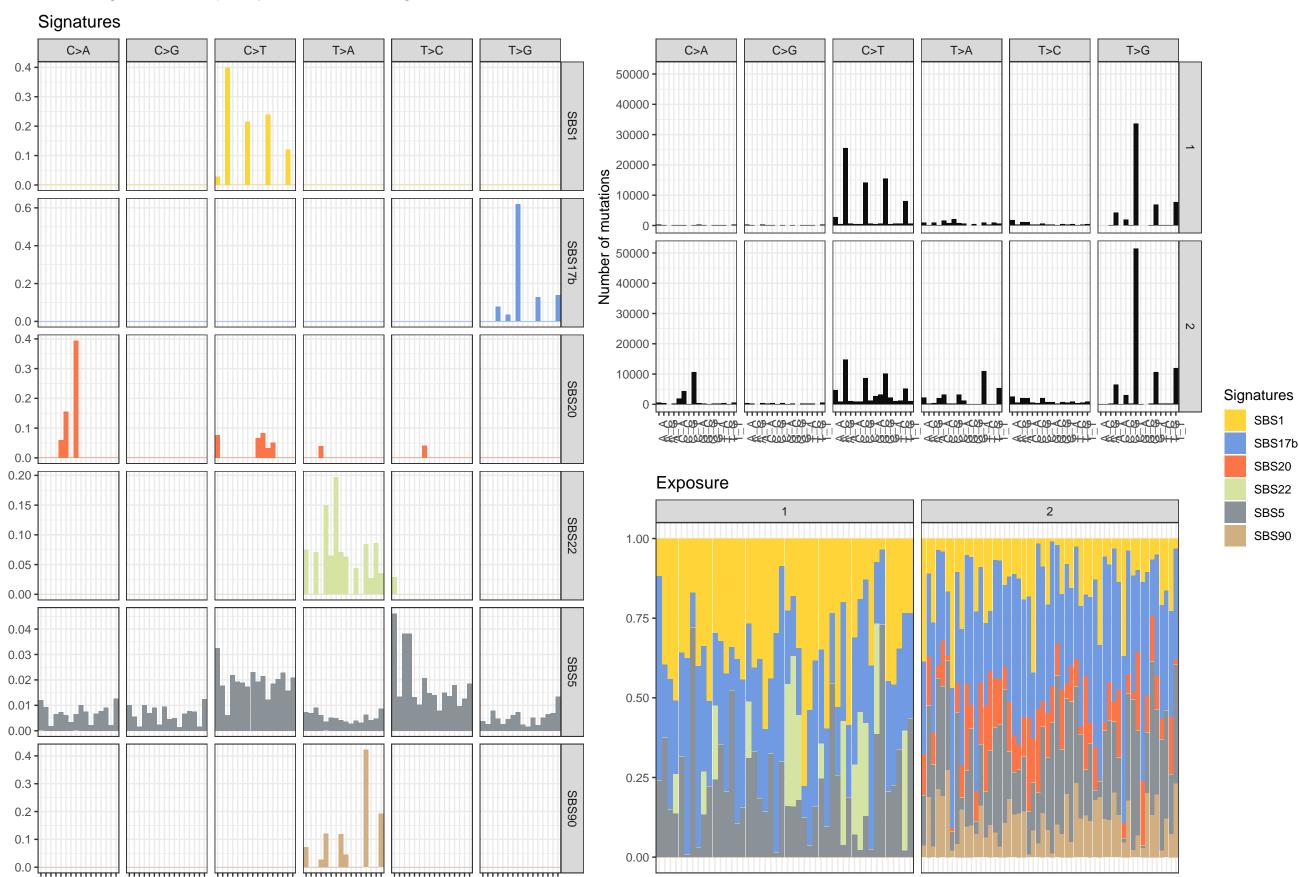
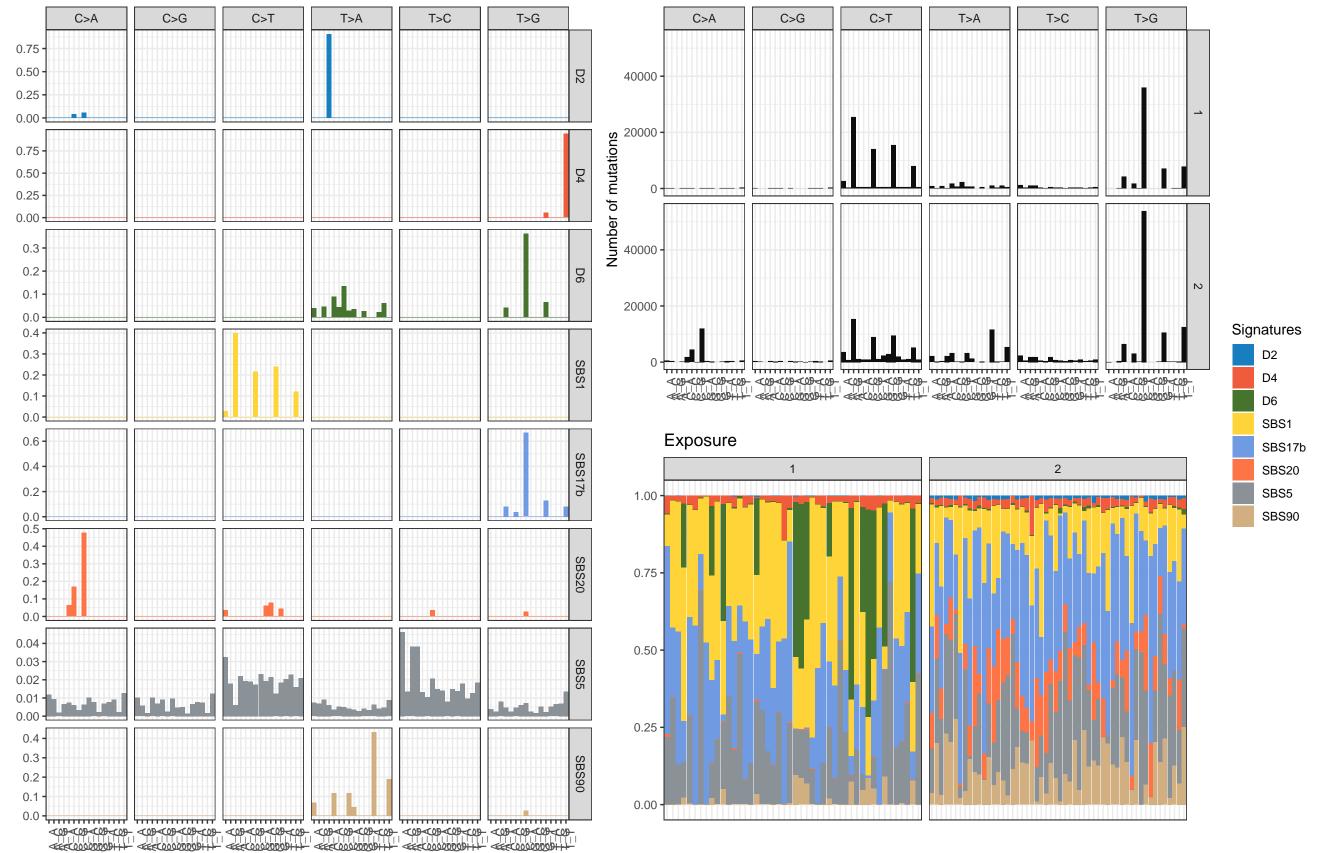
SIMUL: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90



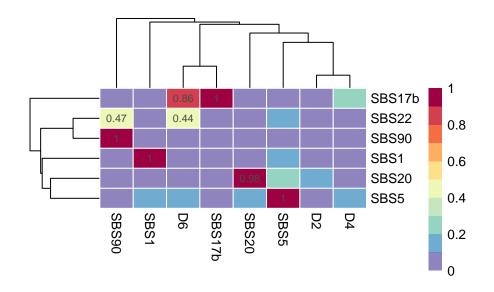
FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

Missing sigs SBS22 – Added sigs D2

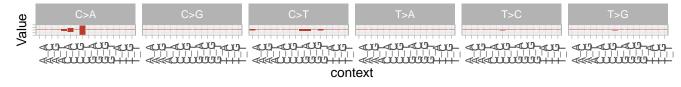




FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

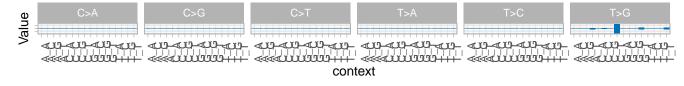


SBS20 vs SBS20 cosine similarity $\theta = 0.9845649$



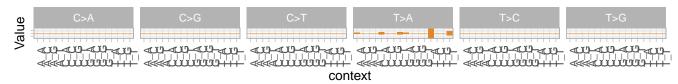
Signature SBS20

SBS17b vs SBS17b cosine similarity $\theta = 0.9957767$



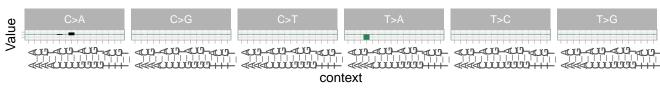
Signature SBS17b

SBS90 vs SBS90 cosine similarity $\theta = 0.9968521$



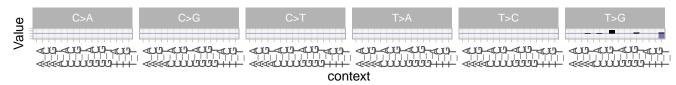
Signature SBS90

D2 vs SBS20 cosine similarity $\theta = 0.1538593$



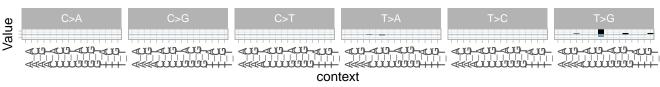
Signature ■ SBS20 ■ D2

D4 vs SBS17b cosine similarity $\theta = 0.2217568$



Signature ■ SBS17b ■ D4

D6 vs SBS17b cosine similarity $\theta = 0.8621749$

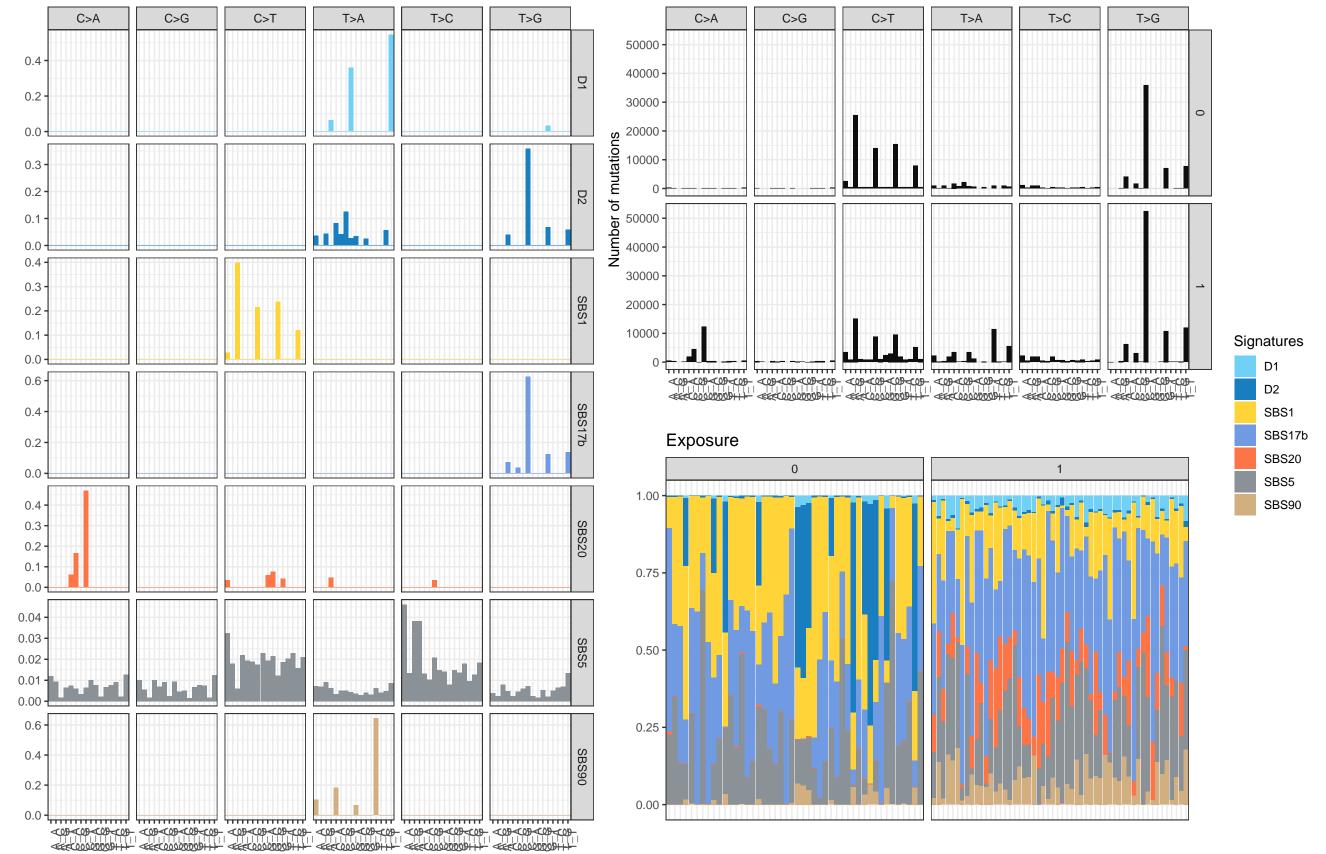


Signature ■ SBS17b ■ D6

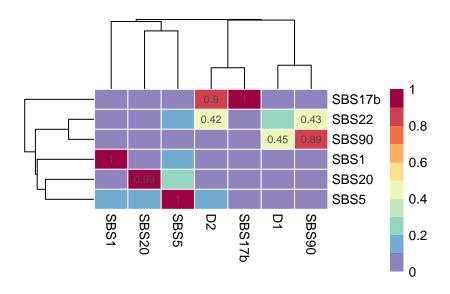
HIER FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

Missing sigs SBS22 - Added sigs D1

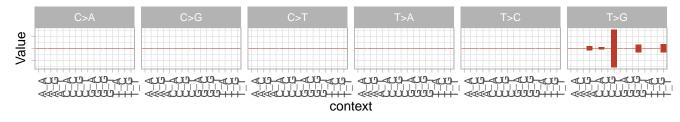
Signatures



HIER FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

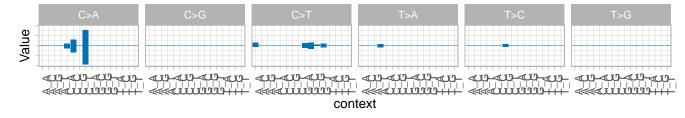


SBS17b vs SBS17b cosine similarity $\theta = 0.9999476$



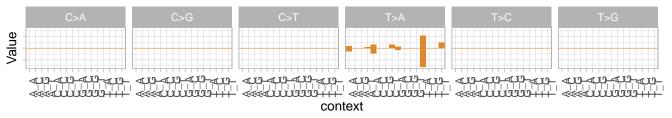
Signature SBS17b

SBS20 vs SBS20 cosine similarity $\theta = 0.9896507$



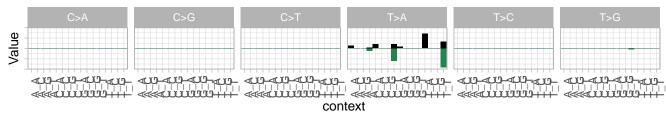
Signature SBS20

SBS90 vs SBS90 cosine similarity $\theta = 0.8910864$



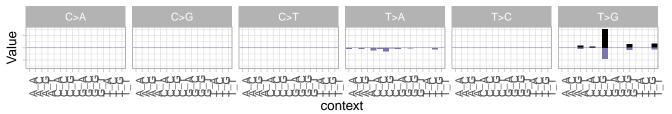
Signature SBS90

D1 vs SBS90 cosine similarity $\theta = 0.4529088$



Signature ■ SBS90 ■ D1

D2 vs SBS17b cosine similarity $\theta = 0.8951915$



Signature ■ SBS17b ■ D2