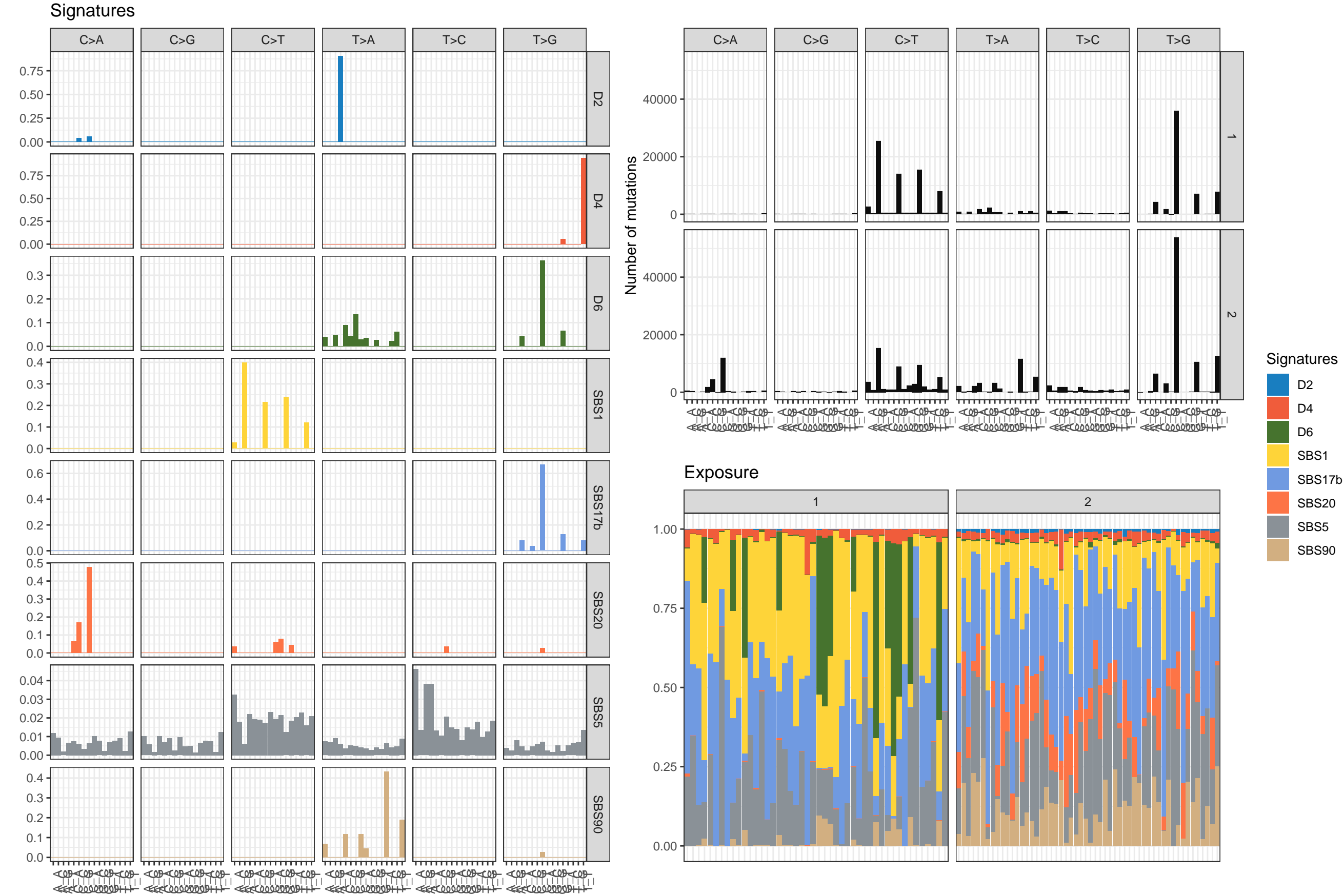
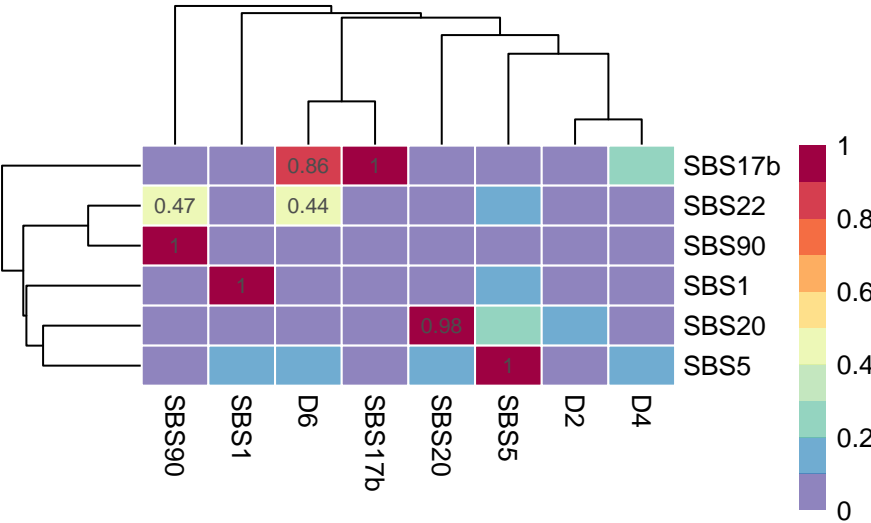


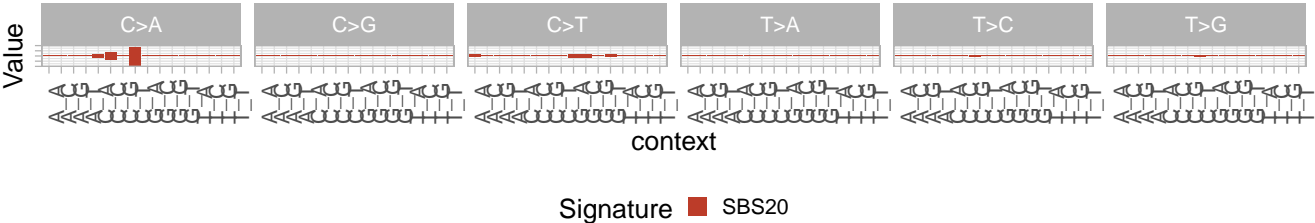
FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

Missing sigs SBS22 – Added sigs D2

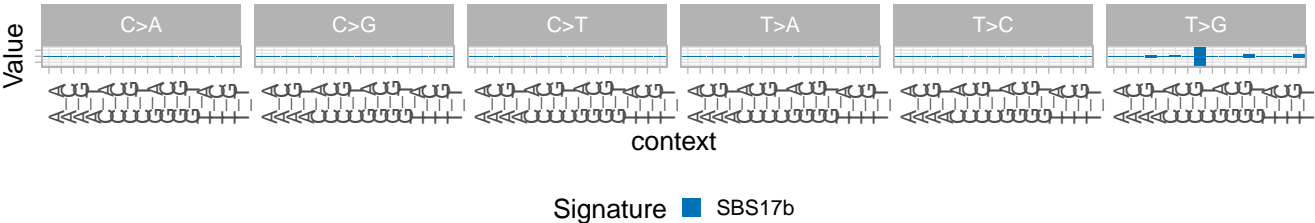




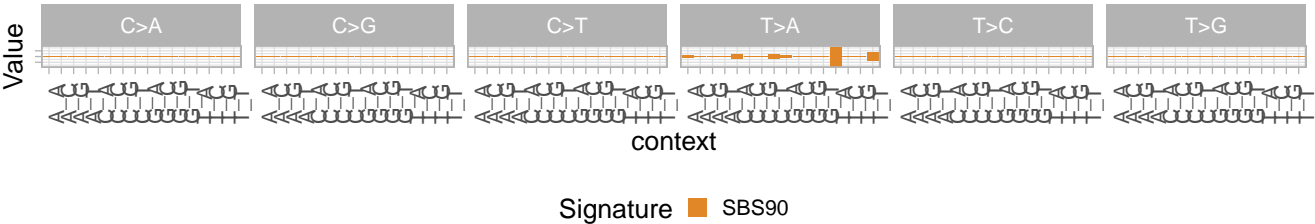
SBS20 vs SBS20 cosine similarity  $\theta = 0.9845649$



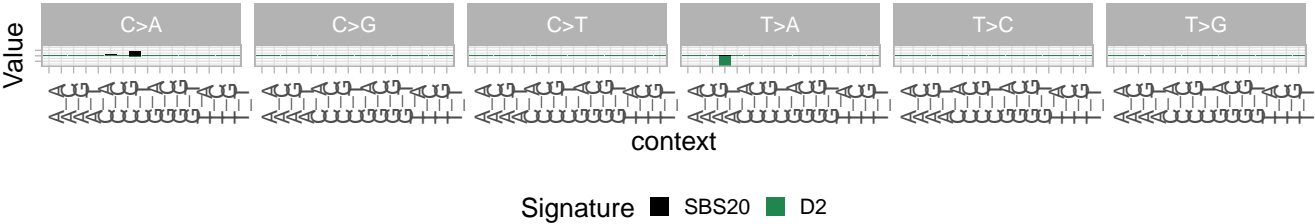
SBS17b vs SBS17b cosine similarity  $\theta = 0.9957767$



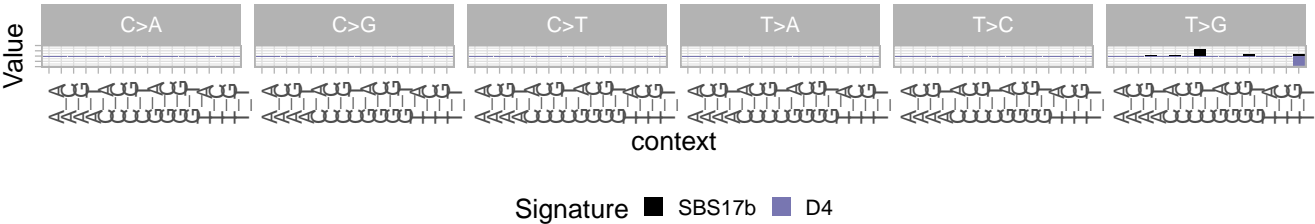
SBS90 vs SBS90 cosine similarity  $\theta = 0.9968521$



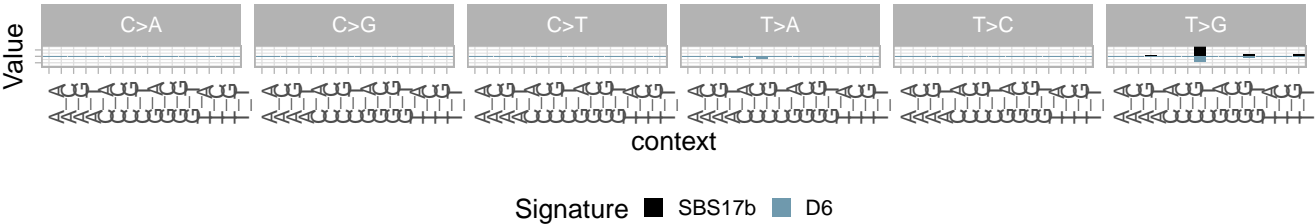
D2 vs SBS20 cosine similarity  $\theta = 0.1538593$



D4 vs SBS17b cosine similarity  $\theta = 0.2217568$

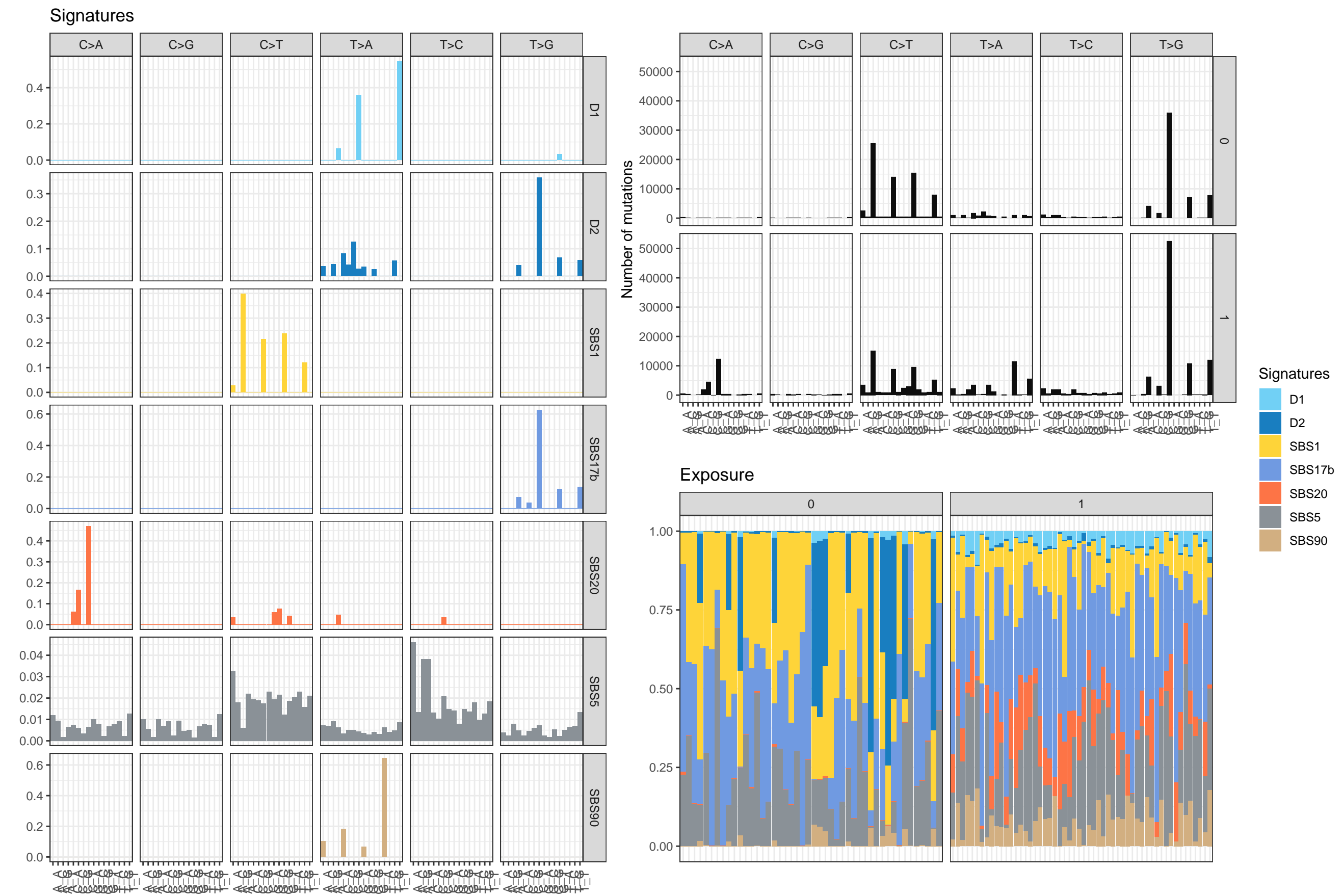


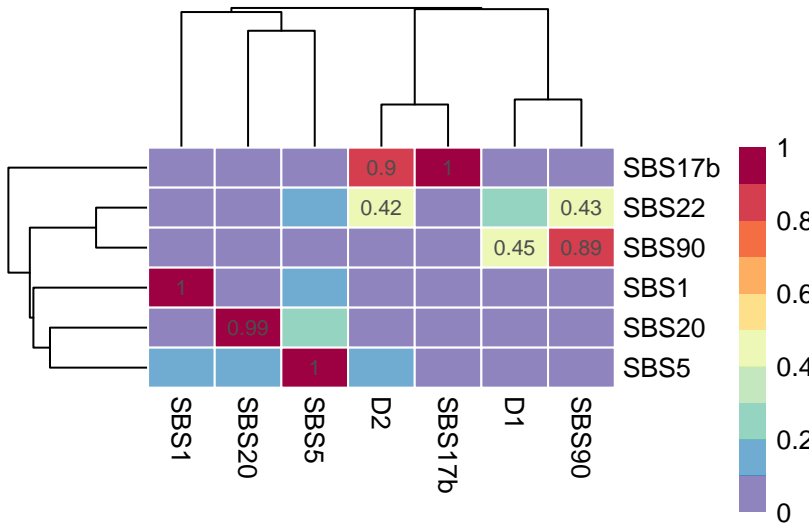
D6 vs SBS17b cosine similarity  $\theta = 0.8621749$



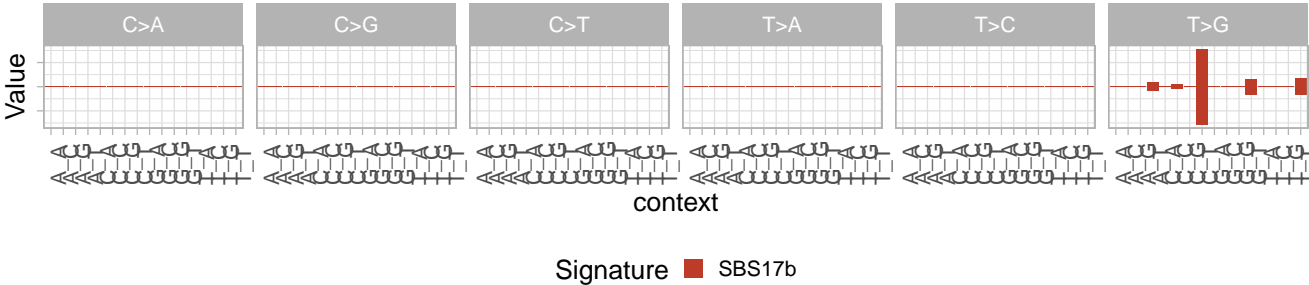
HIER FIT: Rare sigs SBS22 frequency 0.3 – Common sigs SBS90

Missing sigs SBS22 – Added sigs D1

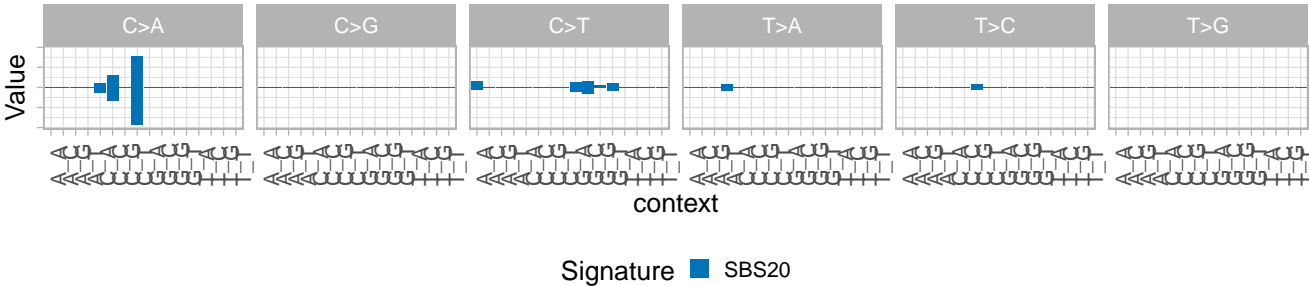




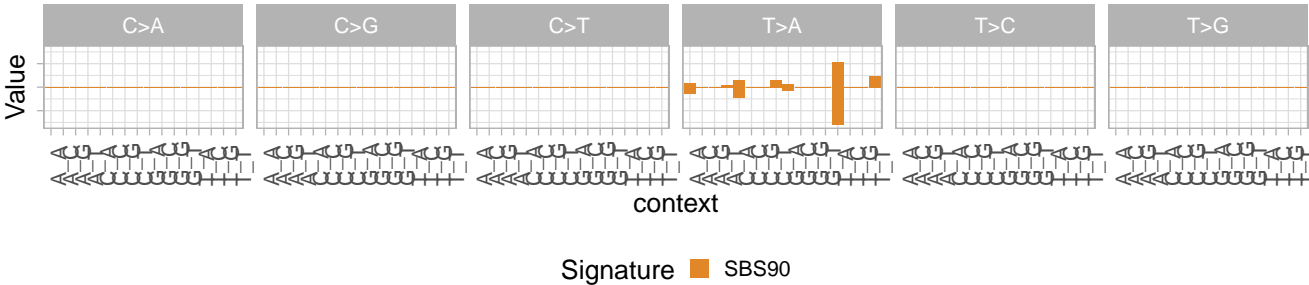
SBS17b vs SBS17b cosine similarity  $\theta = 0.9999476$



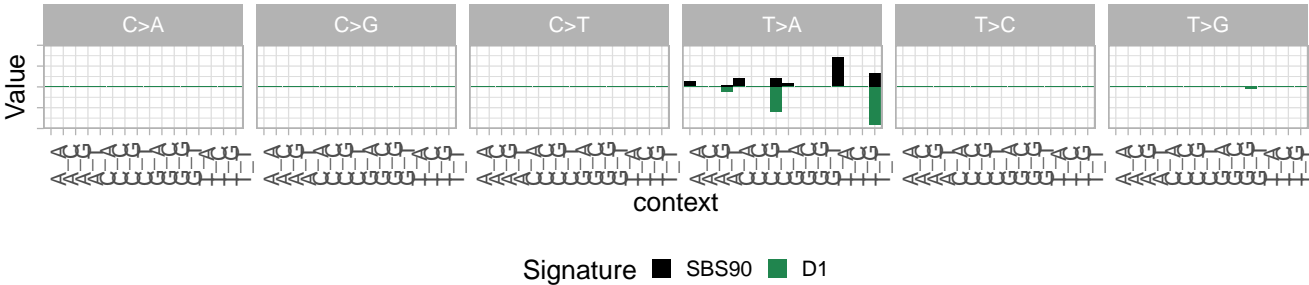
SBS20 vs SBS20 cosine similarity  $\theta = 0.9896507$



SBS90 vs SBS90 cosine similarity  $\theta = 0.8910864$



D1 vs SBS90 cosine similarity  $\theta = 0.4529088$



D2 vs SBS17b cosine similarity  $\theta = 0.8951915$

