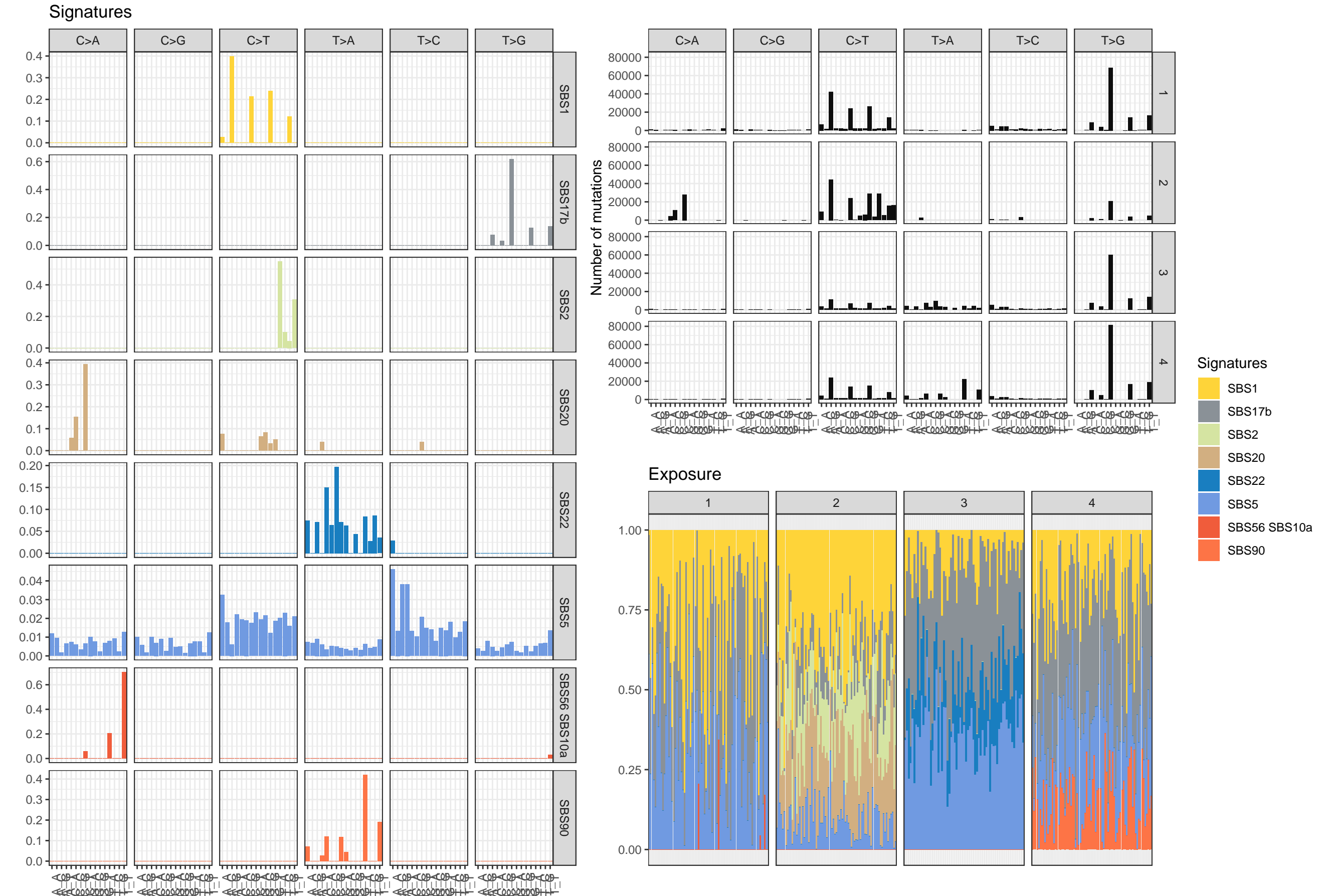
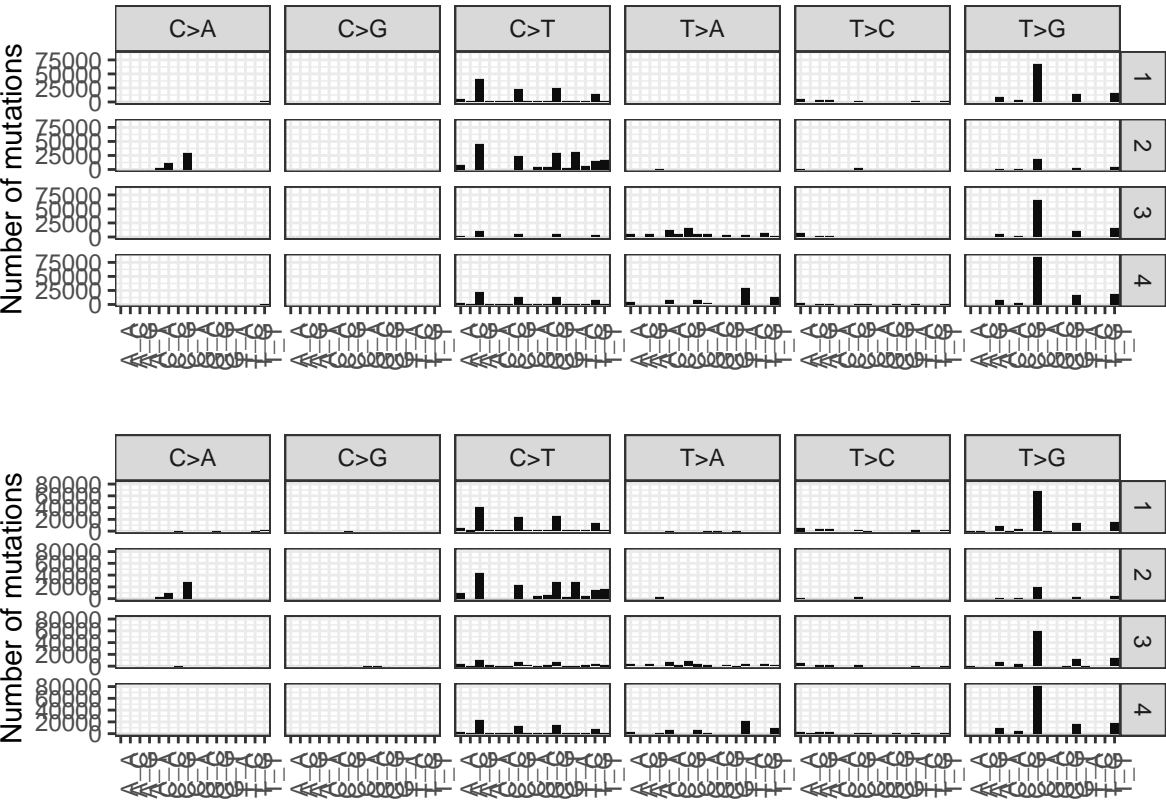
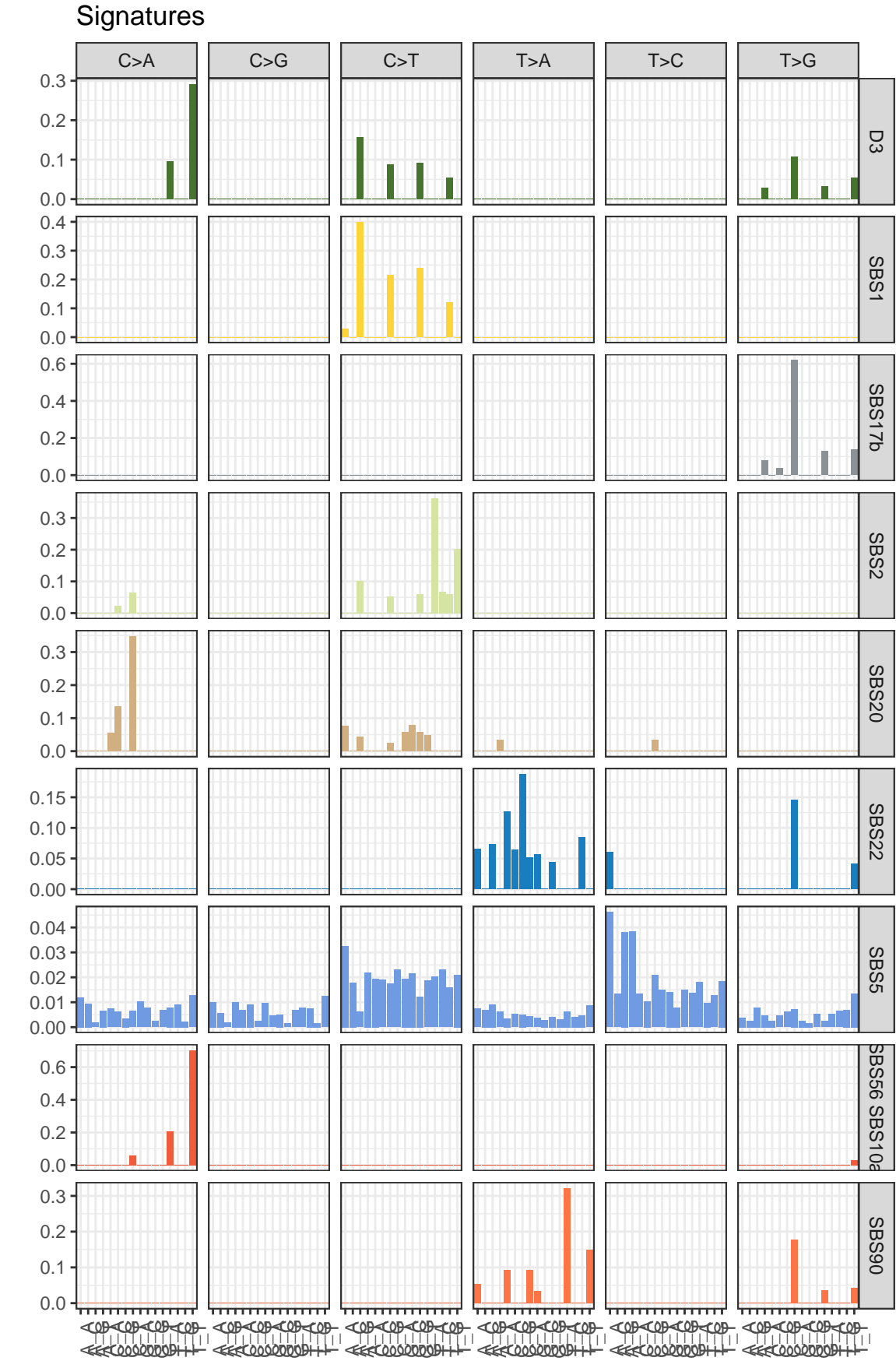


SIMUL: Rare sigs SBS56 SBS10a – Common sigs SBS2, SBS20, SBS22, SBS90



FIT: Rare sigs SBS56 SBS10a – Common sigs SBS2, SBS20, SBS22, SBS90

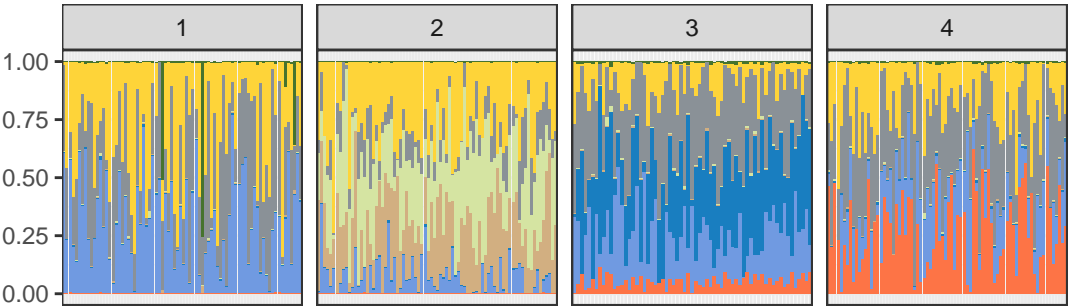
Missing sigs SBS56 SBS10a – Added sigs D3



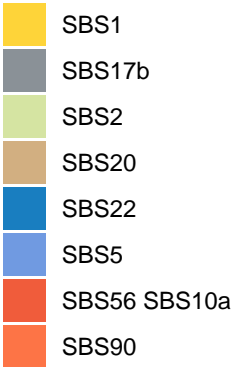
Signatures



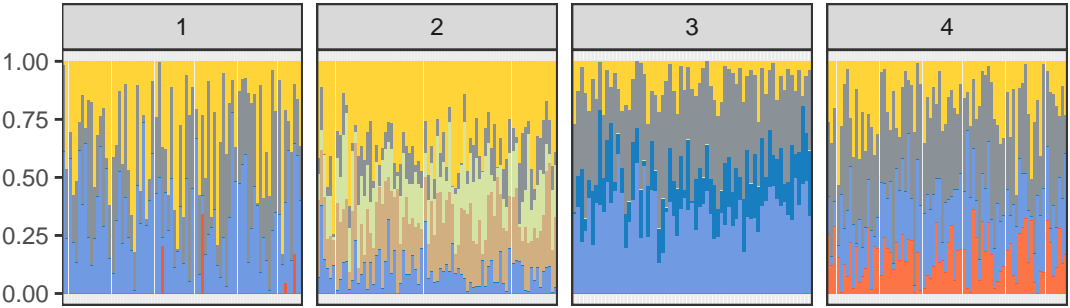
Exposure



Signatures

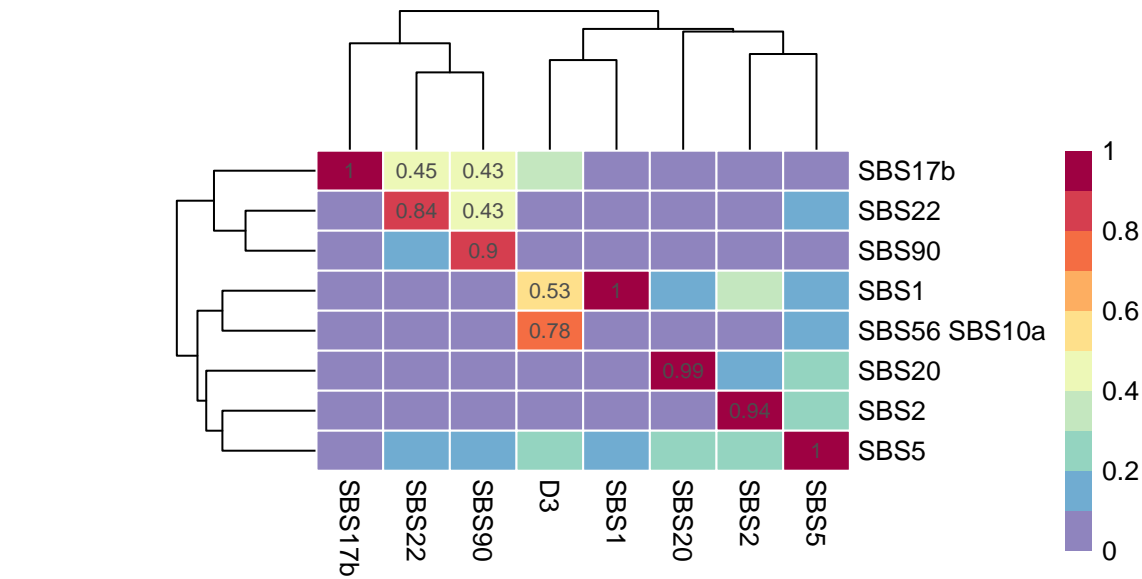


Exposure

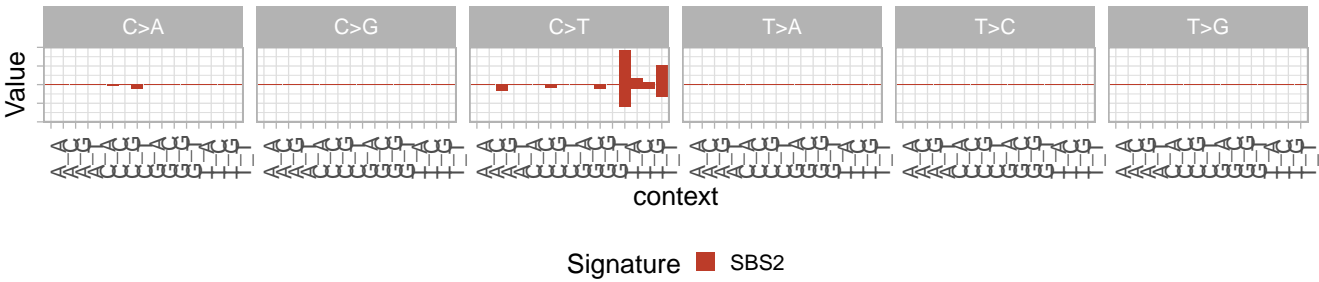


FIT: Rare sigs SBS56 SBS10a – Common sigs SBS2, SBS20, SBS22, SBS90

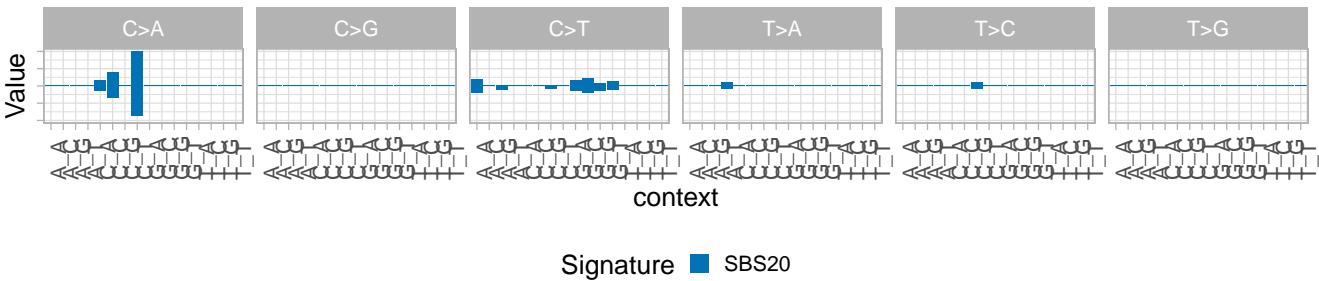
Missing sigs SBS56 SBS10a – Added sigs D3



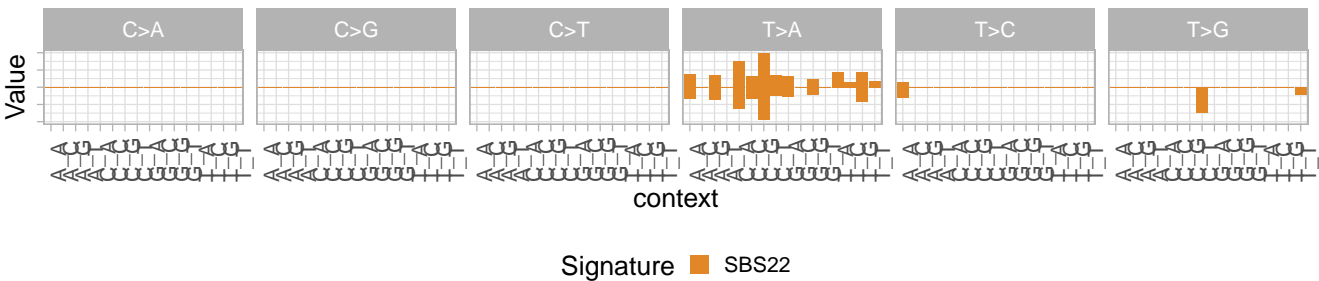
SBS2 vs SBS2 cosine similarity  $\theta = 0.9428139$



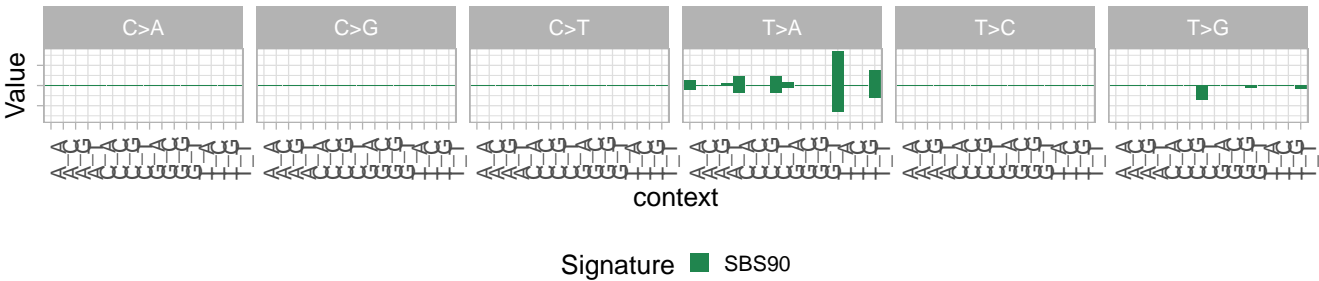
SBS20 vs SBS20 cosine similarity  $\theta = 0.9895739$



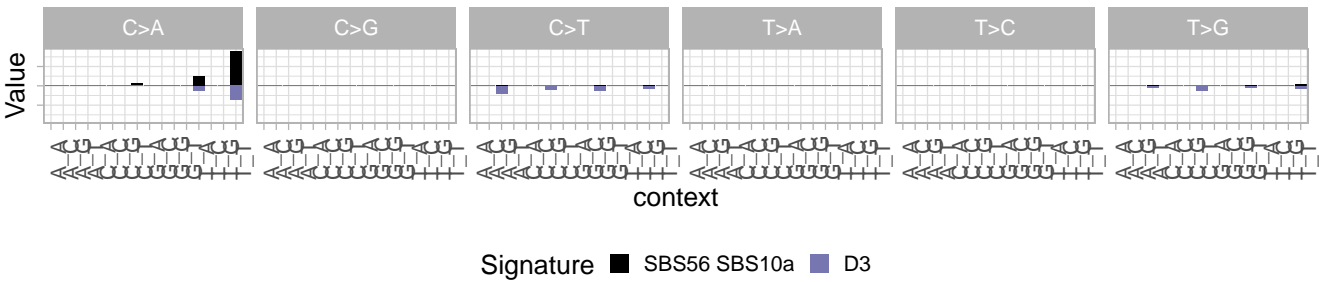
SBS22 vs SBS22 cosine similarity  $\theta = 0.8388329$



SBS90 vs SBS90 cosine similarity  $\theta = 0.8976282$

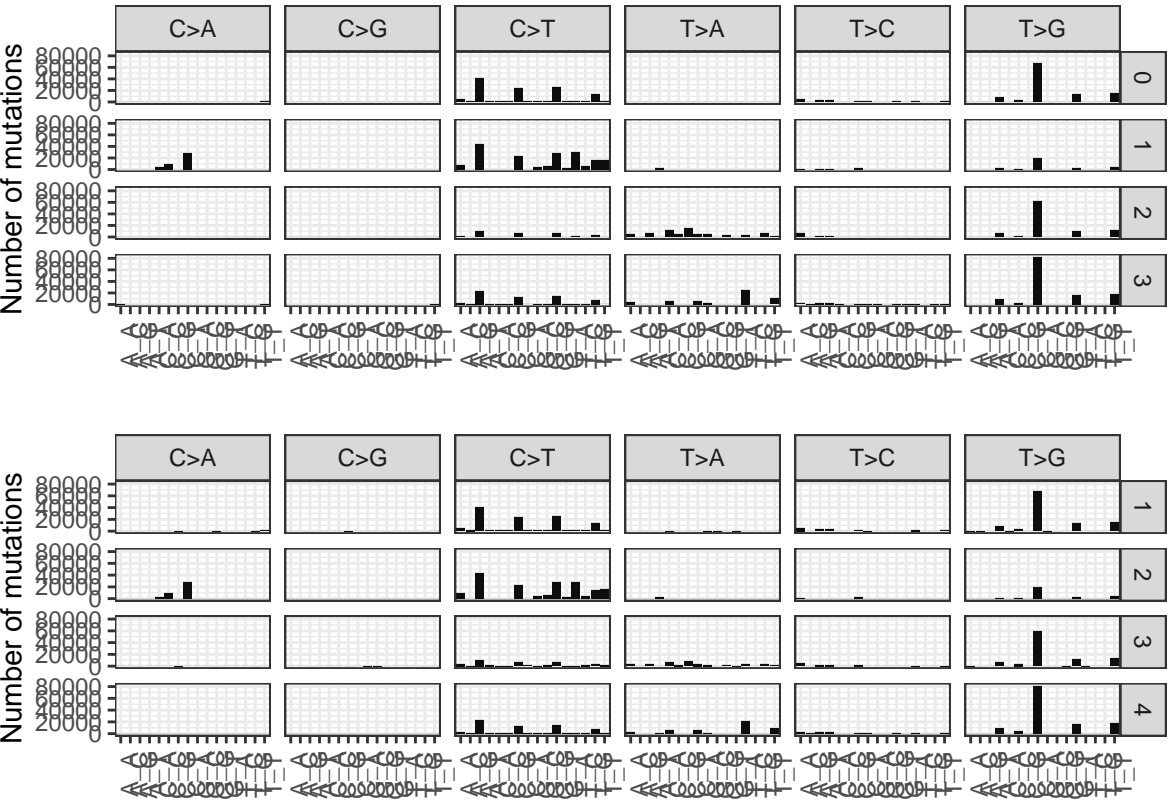
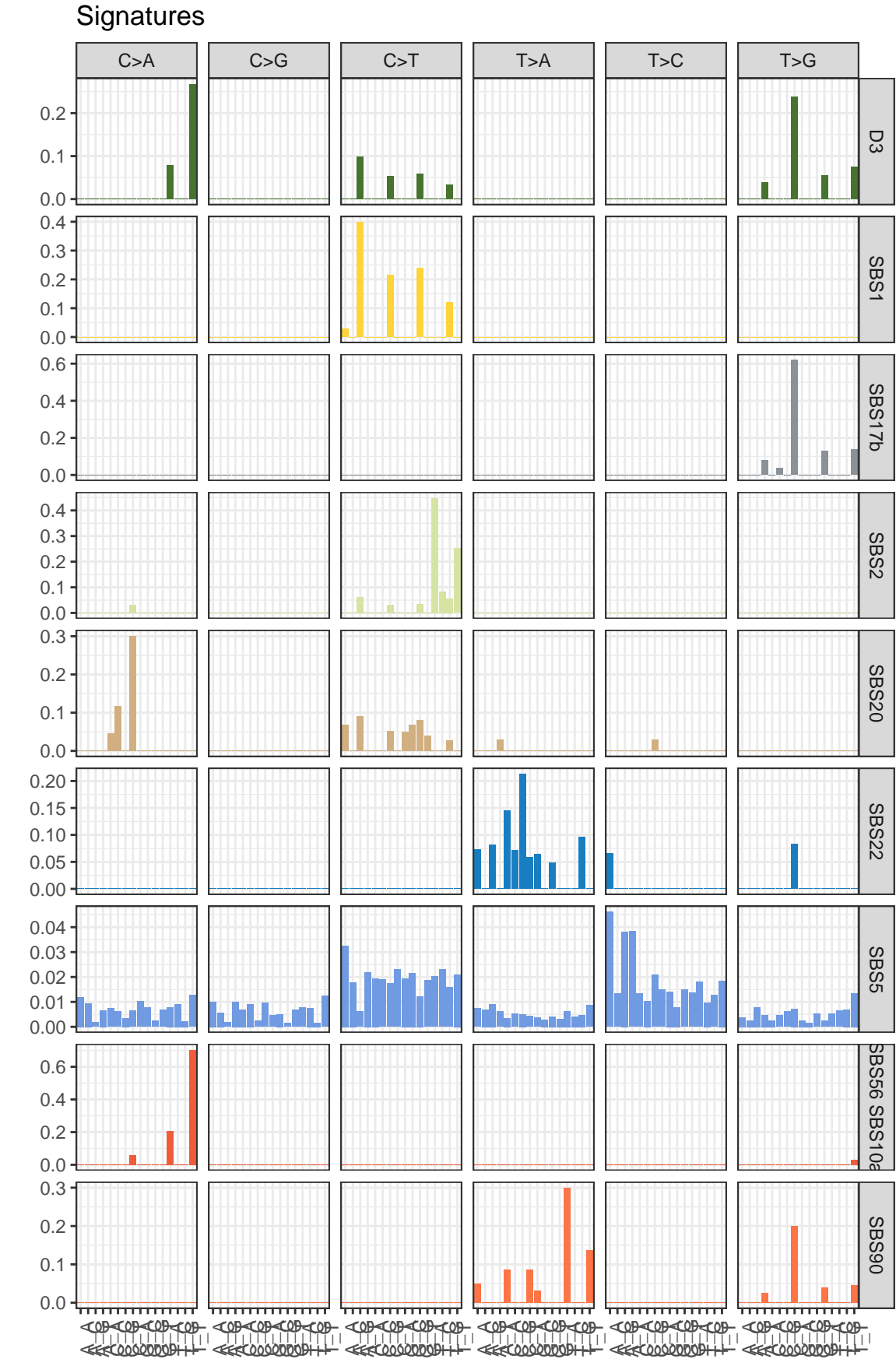


D3 vs SBS56 SBS10a cosine similarity  $\theta = 0.7838702$



HIER FIT: Rare sigs SBS56 SBS10a – Common sigs SBS2, SBS20, SBS22, SBS90

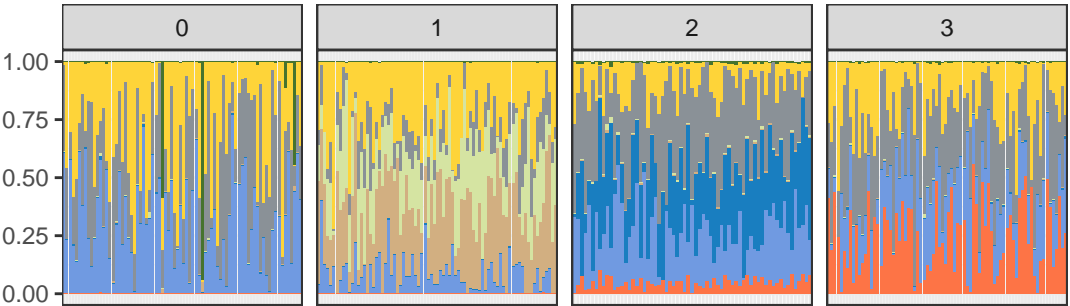
Missing sigs SBS56 SBS10a – Added sigs D3



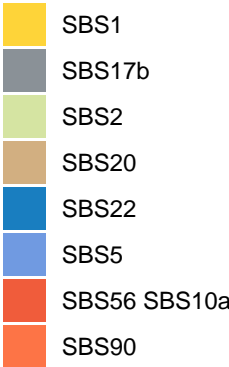
Signatures



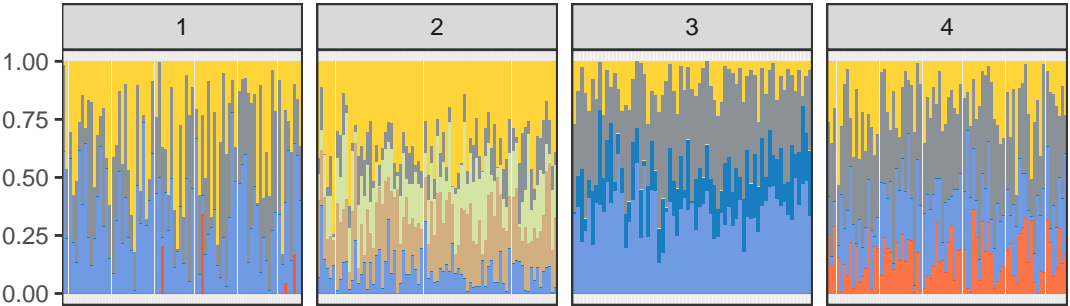
Exposure



Signatures

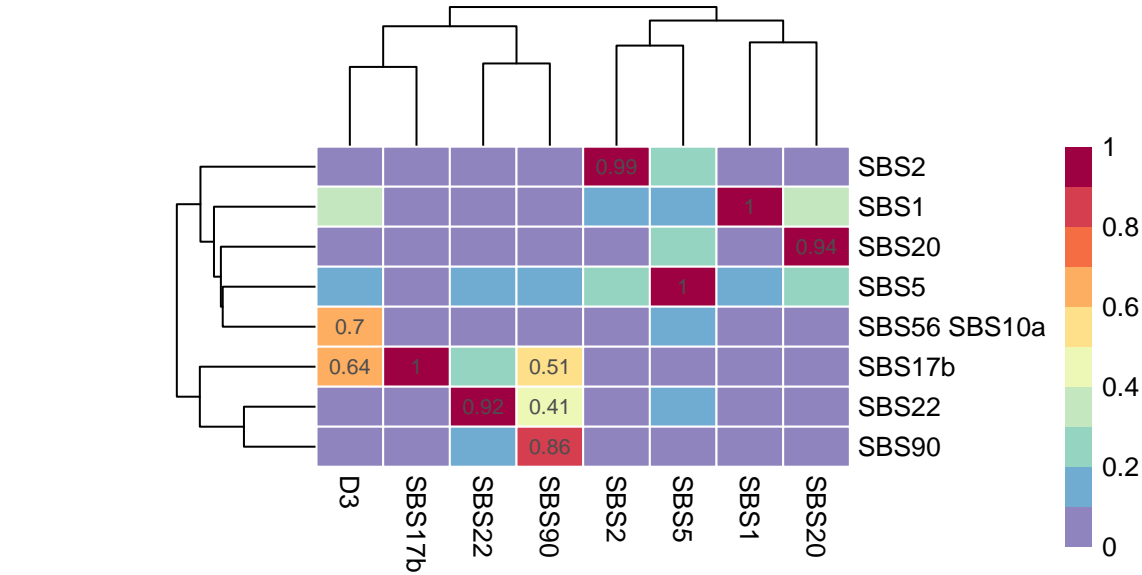


Exposure

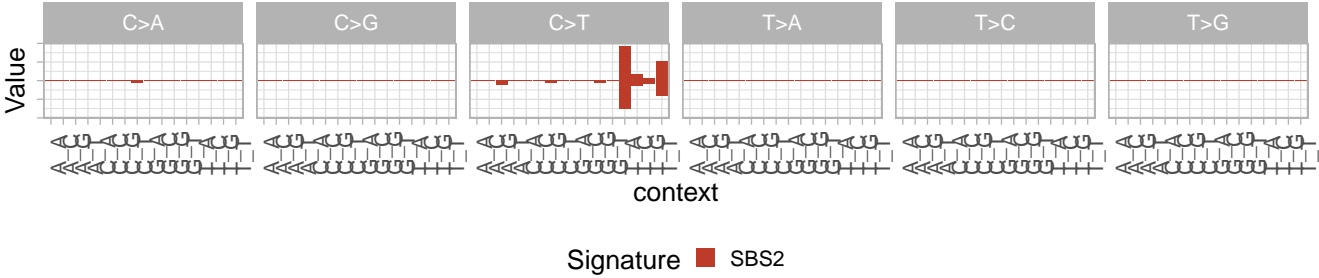


HIER FIT: Rare sigs SBS56 SBS10a – Common sigs SBS2, SBS20, SBS22, SBS90

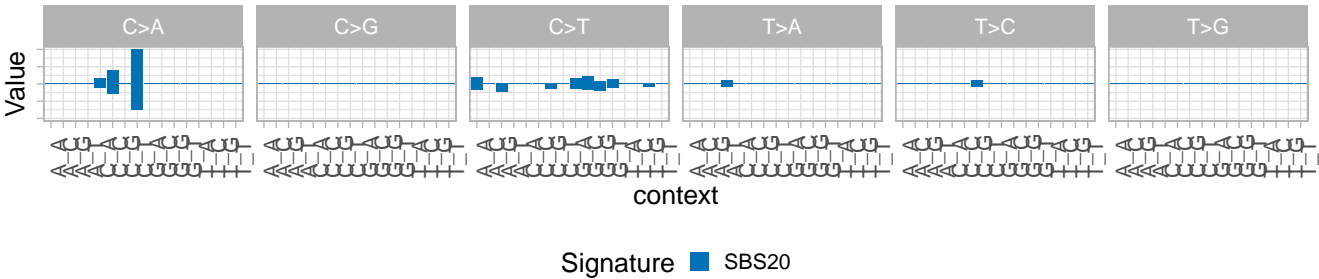
Missing sigs SBS56 SBS10a – Added sigs D3



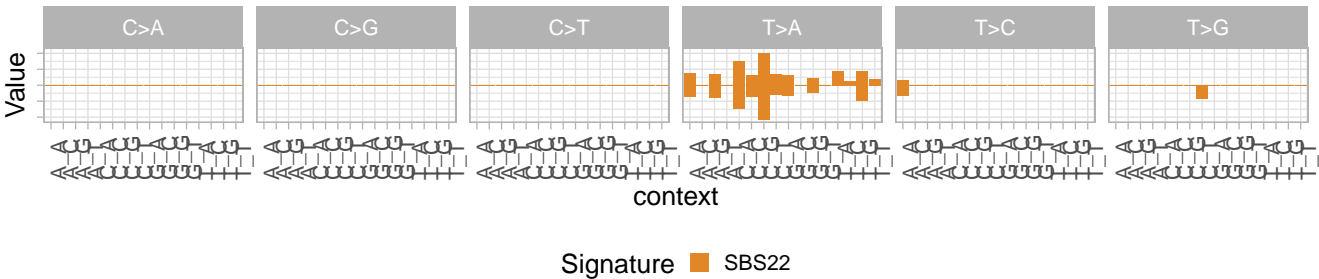
SBS2 vs SBS2 cosine similarity  $\theta = 0.9866594$



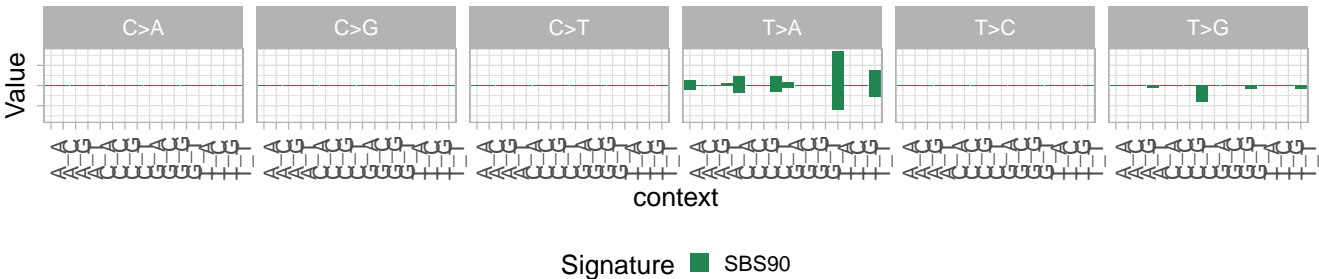
SBS20 vs SBS20 cosine similarity  $\theta = 0.9446821$



SBS22 vs SBS22 cosine similarity  $\theta = 0.9183194$



SBS90 vs SBS90 cosine similarity  $\theta = 0.8598102$



D3 vs SBS56 SBS10a cosine similarity  $\theta = 0.6976126$

