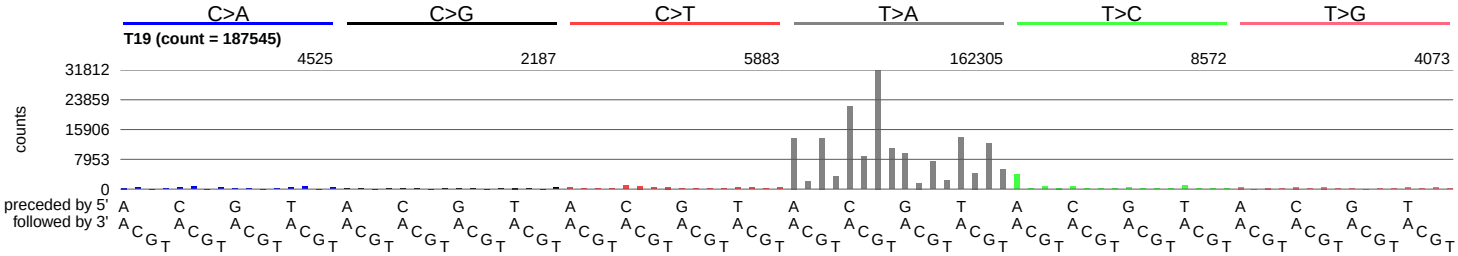
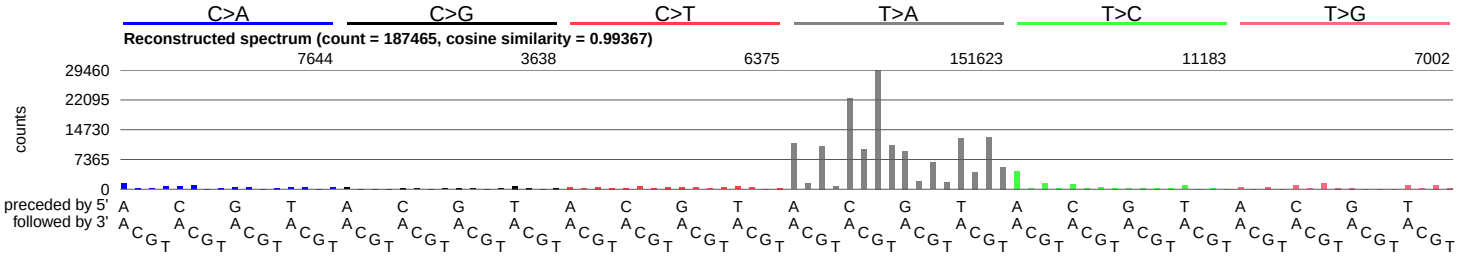
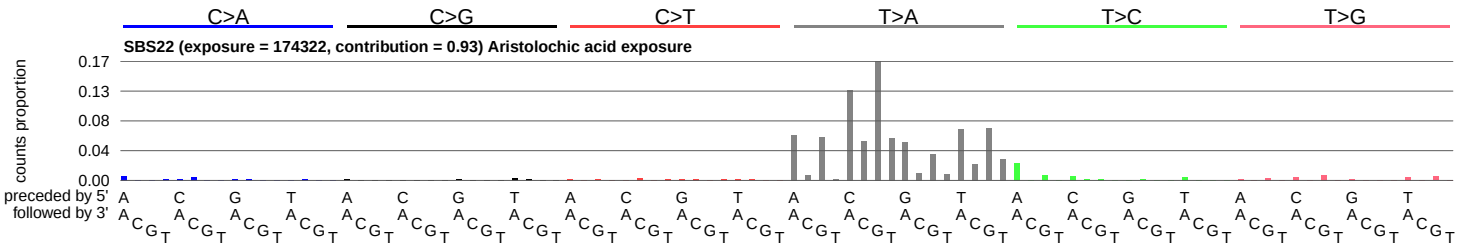
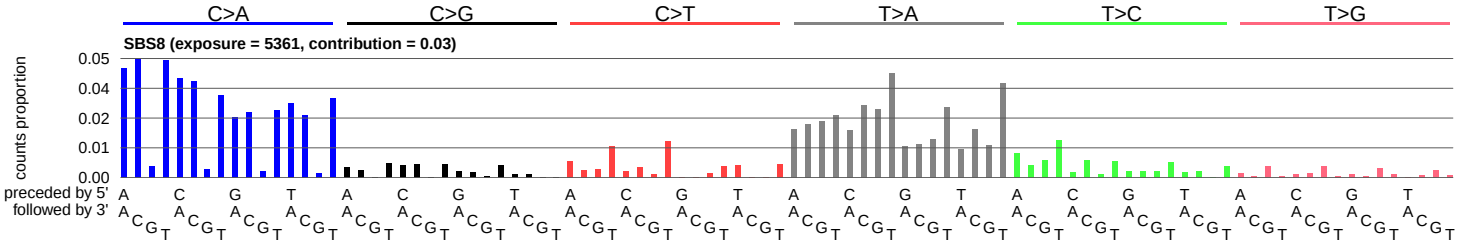
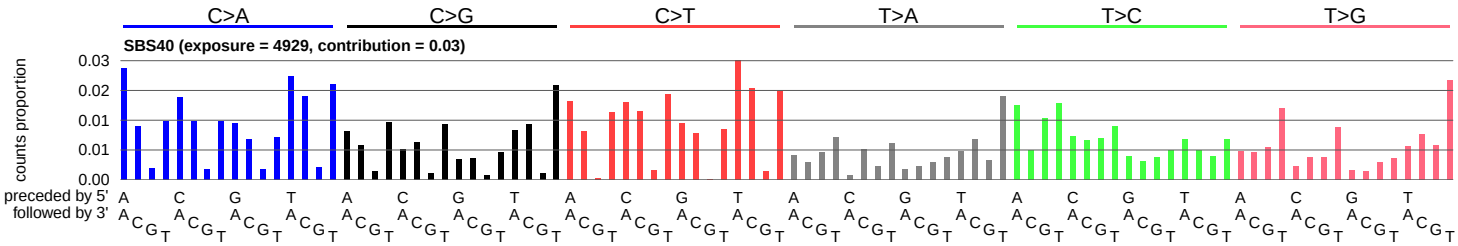
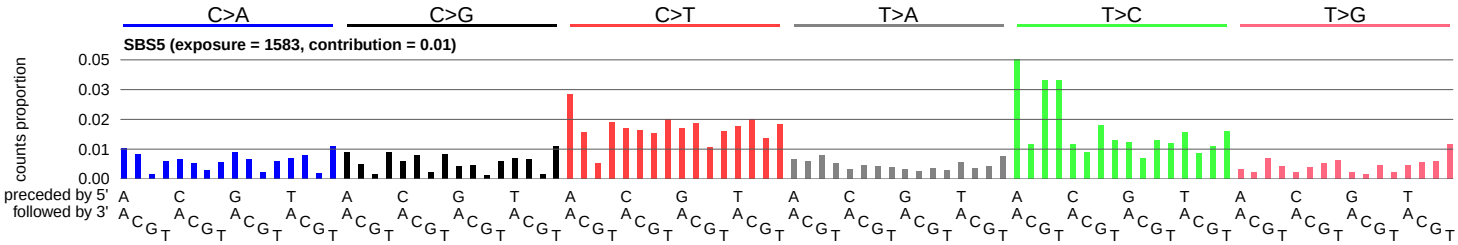

C>A
C>G
C>T
T>A
T>C
T>G
T19 (count = 187545)
4525
2187
5883
162305
8572
4073
31812
23859
15906
7953
0
counts
preceded by 5'
followed by 3'

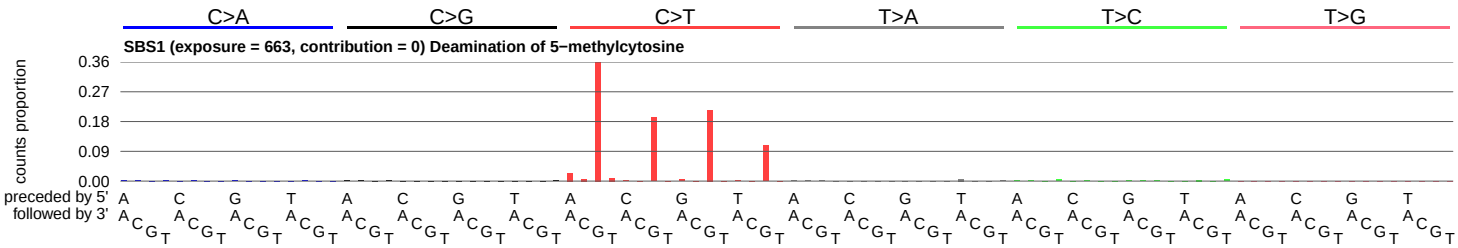

C>A
C>G
C>T
T>A
T>C
T>G
Reconstructed spectrum (count = 187465, cosine similarity = 0.99367)
7644
3638
6375
151623
11183
7002
29460
22095
14730
7365
0
counts
preceded by 5'
followed by 3'

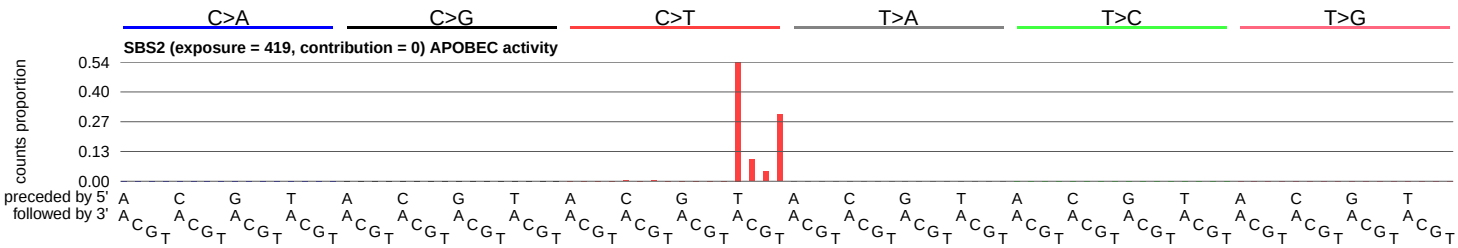

C>A
C>G
C>T
T>A
T>C
T>G
SBS22 (exposure = 174322, contribution = 0.93) Aristolochic acid exposure
0.17
0.13
0.08
0.04
0.00
counts proportion
preceded by 5'
followed by 3'

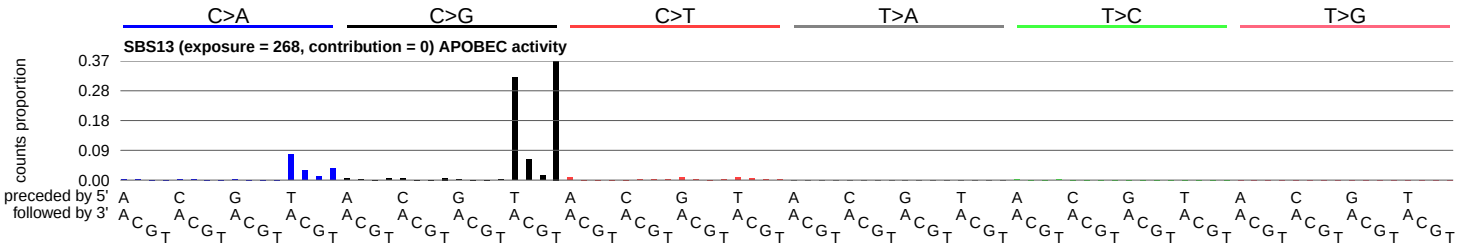

C>A
C>G
C>T
T>A
T>C
T>G
SBS8 (exposure = 5361, contribution = 0.03)
0.05
0.04
0.02
0.01
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS40 (exposure = 4929, contribution = 0.03)
0.03
0.02
0.01
0.01
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS5 (exposure = 1583, contribution = 0.01)
0.05
0.03
0.02
0.01
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS1 (exposure = 663, contribution = 0) Deamination of 5−methylcytosine
0.36
0.27
0.18
0.09
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS2 (exposure = 419, contribution = 0) APOBEC activity
0.54
0.40
0.27
0.13
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS13 (exposure = 268, contribution = 0) APOBEC activity
counts proportion
0.37
0.28
0.18
0.09
0.00
preceded by 5'
followed by 3'