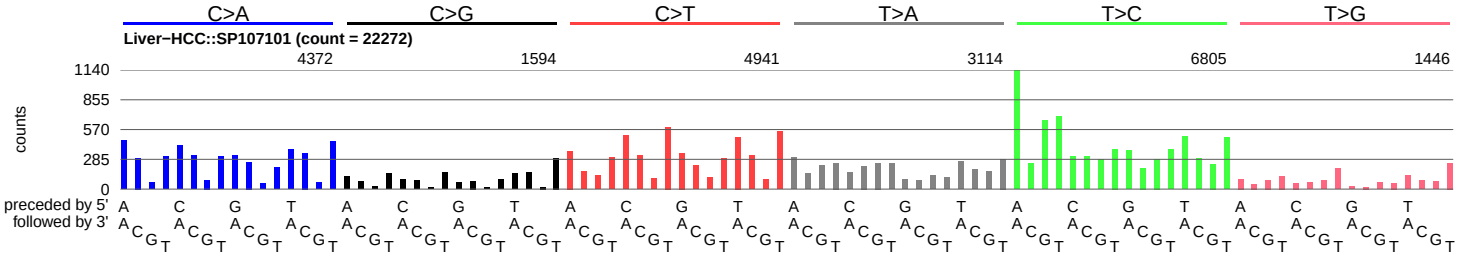
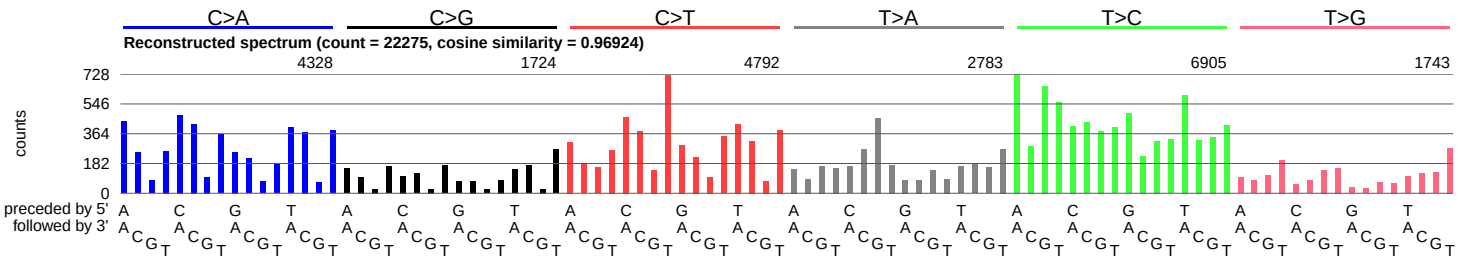
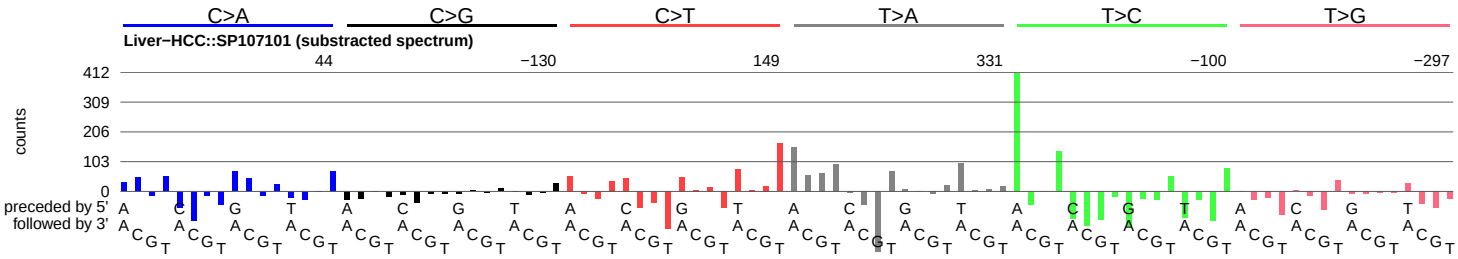
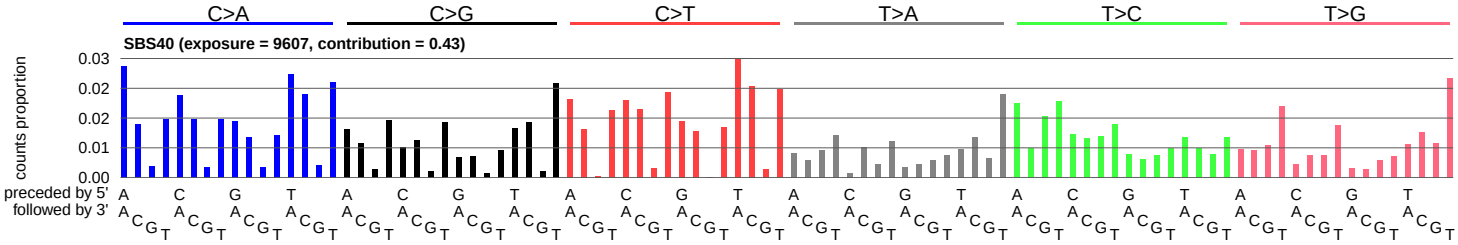
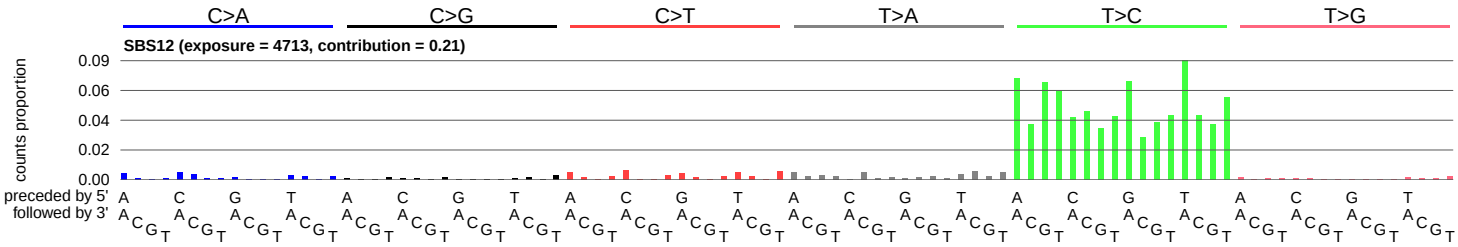
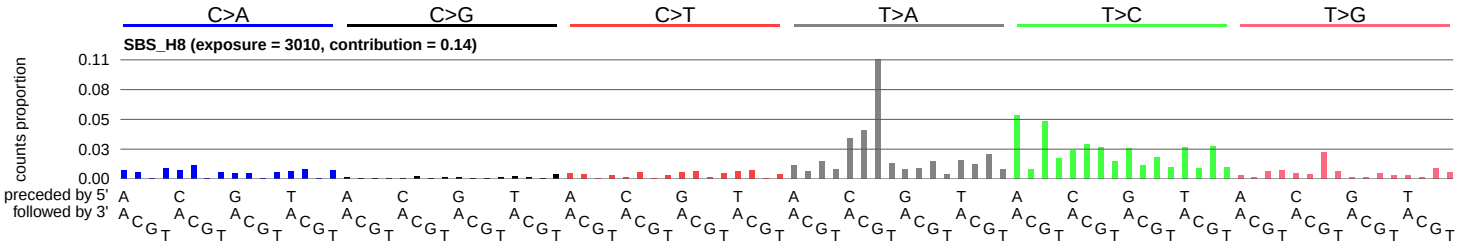

C>A
C>G
C>T
T>A
T>C
T>G
Liver−HCC::SP107101 (count = 22272)
4372
1594
4941
3114
6805
1446
1140
855
570
285
0
counts
preceded by 5'
followed by 3'

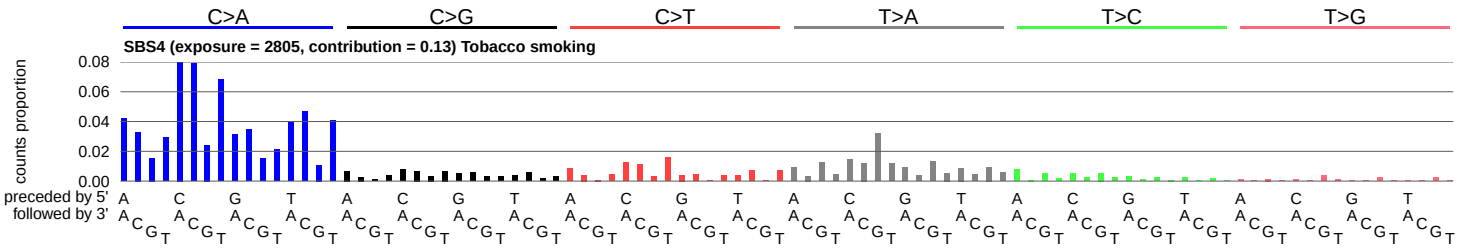

C>A
C>G
C>T
T>A
T>C
T>G
Reconstructed spectrum (count = 22275, cosine similarity = 0.96924)
4328
1724
4792
2783
6905
1743
728
546
364
182
0
counts
preceded by 5'
followed by 3'

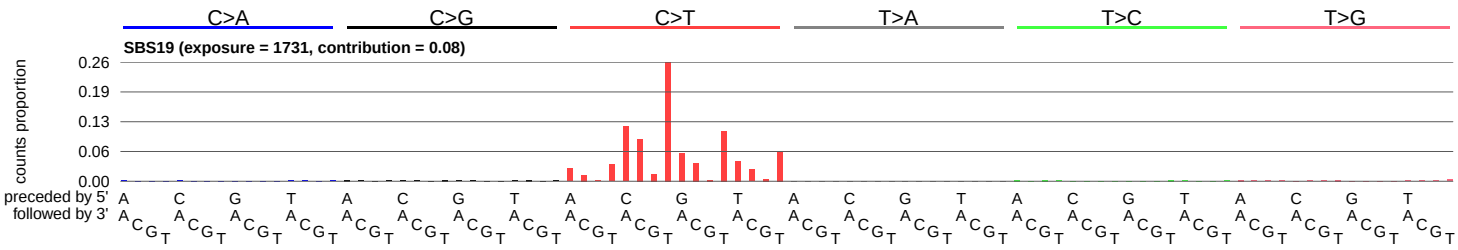

C>A
C>G
C>T
T>A
T>C
T>G
Liver−HCC::SP107101 (substracted spectrum)
44
−130
149
331
−100
−297
412
309
206
103
0
counts
preceded by 5'
followed by 3'

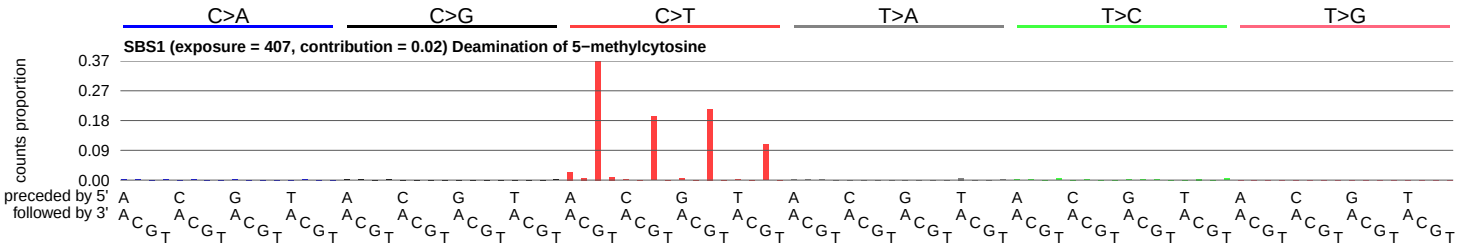

C>A
C>G
C>T
T>A
T>C
T>G
SBS40 (exposure = 9607, contribution = 0.43)
0.03
0.02
0.02
0.01
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS12 (exposure = 4713, contribution = 0.21)
0.09
0.06
0.04
0.02
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS_H8 (exposure = 3010, contribution = 0.14)
0.11
0.08
0.05
0.03
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS4 (exposure = 2805, contribution = 0.13) Tobacco smoking
0.08
0.06
0.04
0.02
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS19 (exposure = 1731, contribution = 0.08)
0.26
0.19
0.13
0.06
0.00
counts proportion
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
SBS1 (exposure = 407, contribution = 0.02) Deamination of 5−methylcytosine
counts proportion
0.37
0.27
0.18
0.09
0.00
preceded by 5'
followed by 3'