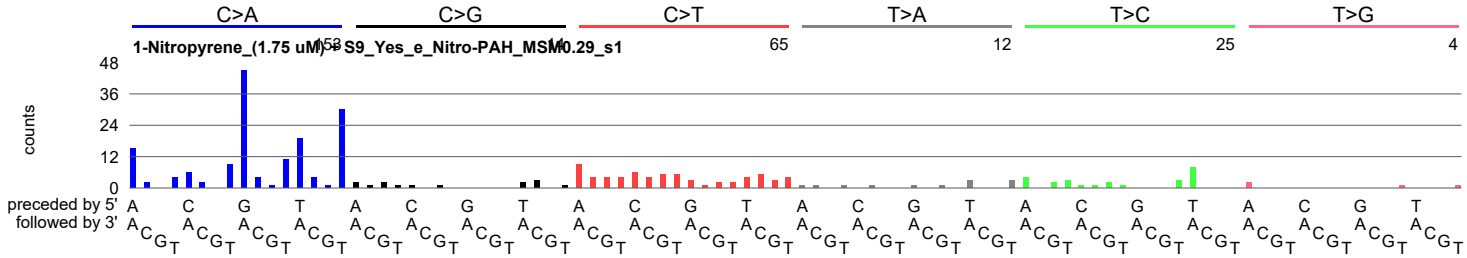
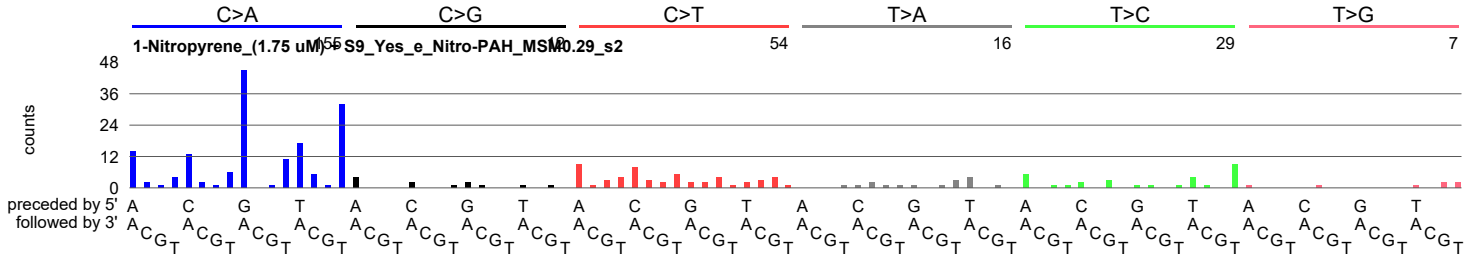
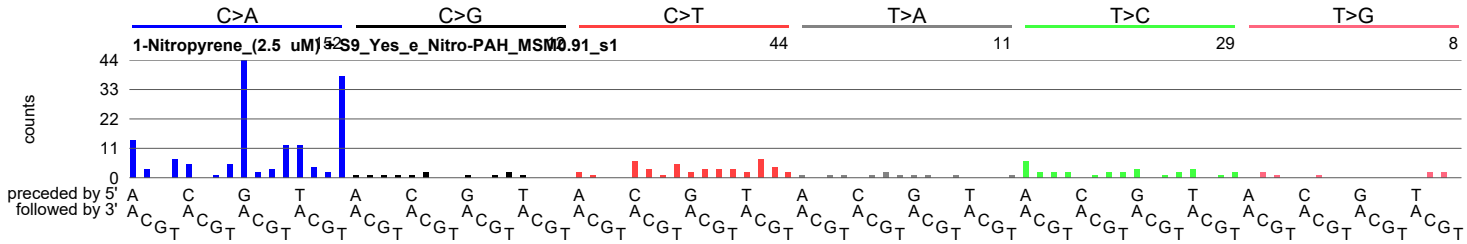
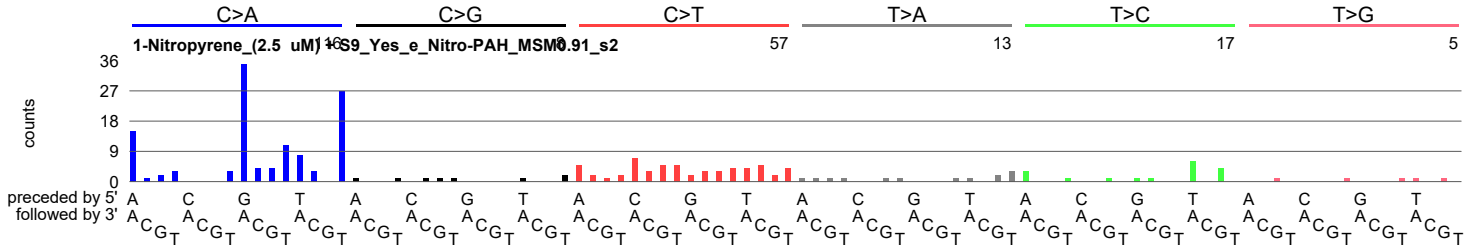
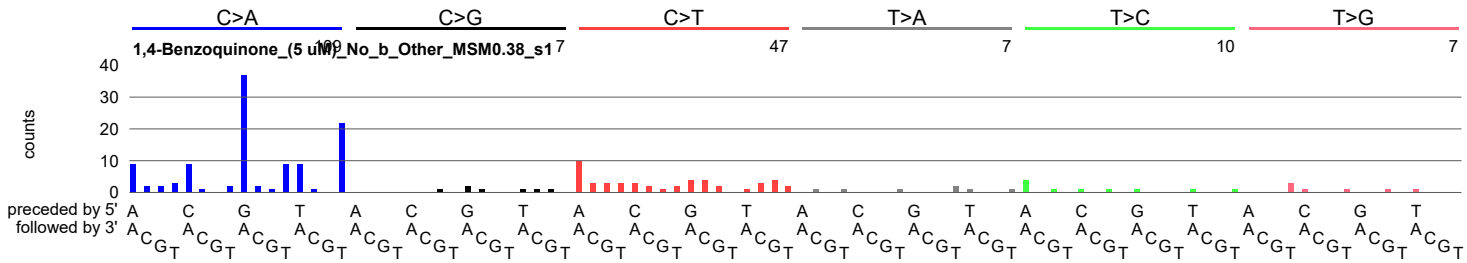
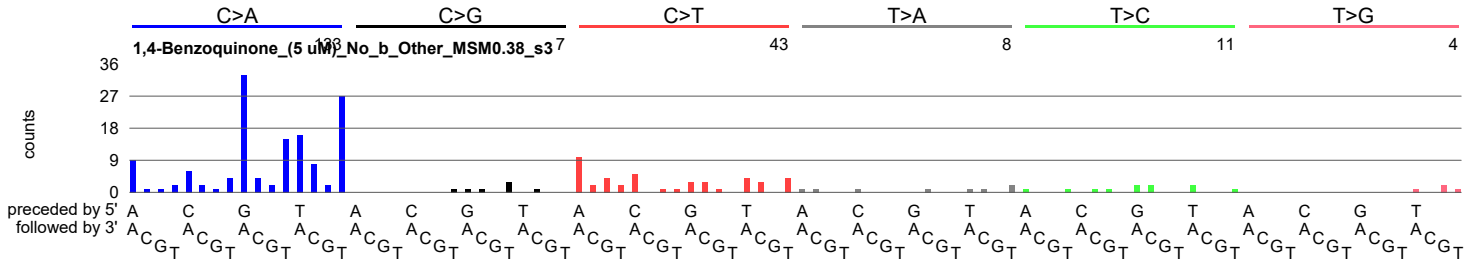

C>A
C>G
C>T
T>A
T>C
T>G
1-Nitropyrene_(1.75 uM)_+S9_Yes_e_Nitro-PAH_MSM0.29_s1
158
65
12
25
4
counts
preceded by 5'
followed by 3'

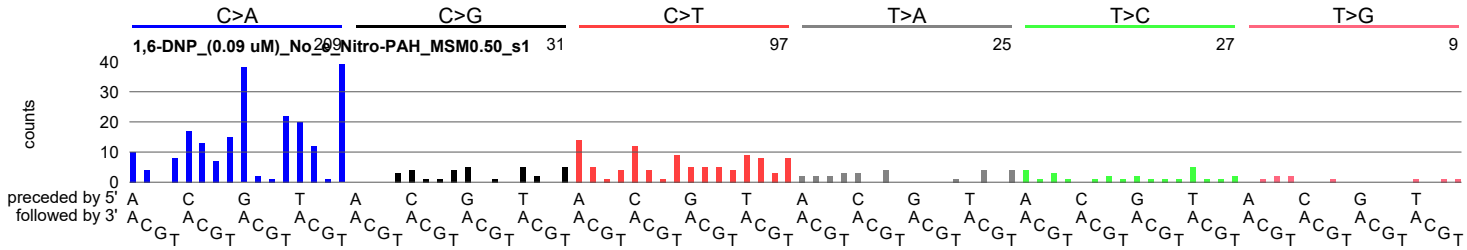

C>A
C>G
C>T
T>A
T>C
T>G
1-Nitropyrene_(1.75 uM)_+S9_Yes_e_Nitro-PAH_MSM0.29_s2
155
54
16
29
7
counts
preceded by 5'
followed by 3'

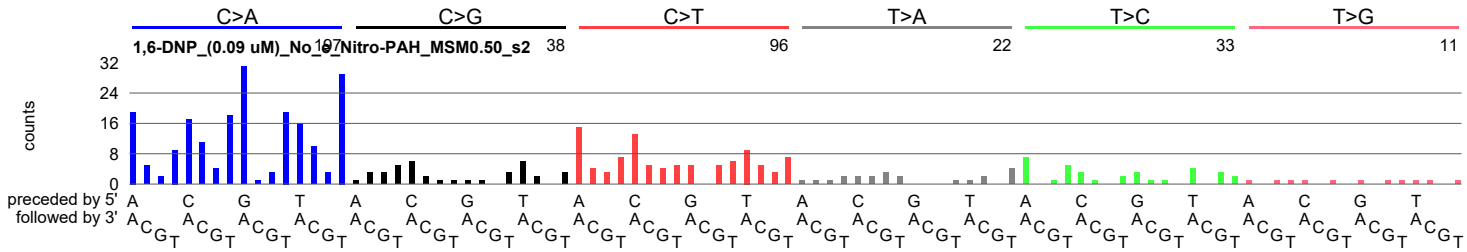

C>A
C>G
C>T
T>A
T>C
T>G
1-Nitropyrene_(2.5 uM)_+S9_Yes_e_Nitro-PAH_MSM0.91_s1
152
44
11
29
8
counts
preceded by 5'
followed by 3'

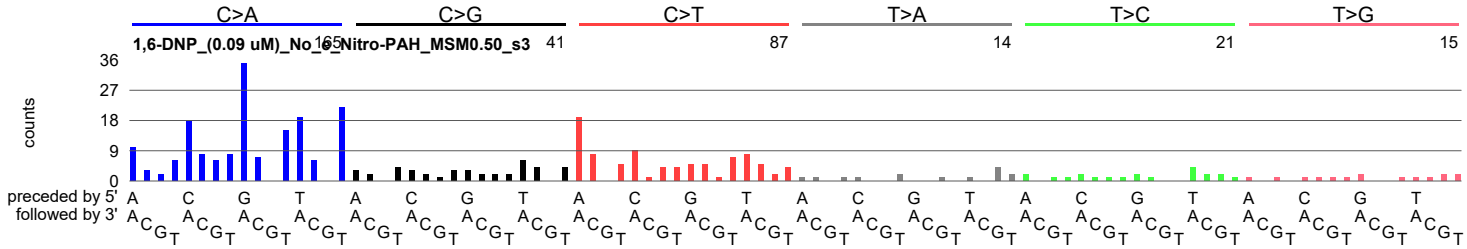

C>A
C>G
C>T
T>A
T>C
T>G
1-Nitropyrene_(2.5 uM)_+S9_Yes_e_Nitro-PAH_MSM0.91_s2
146
57
13
17
5
counts
preceded by 5'
followed by 3'

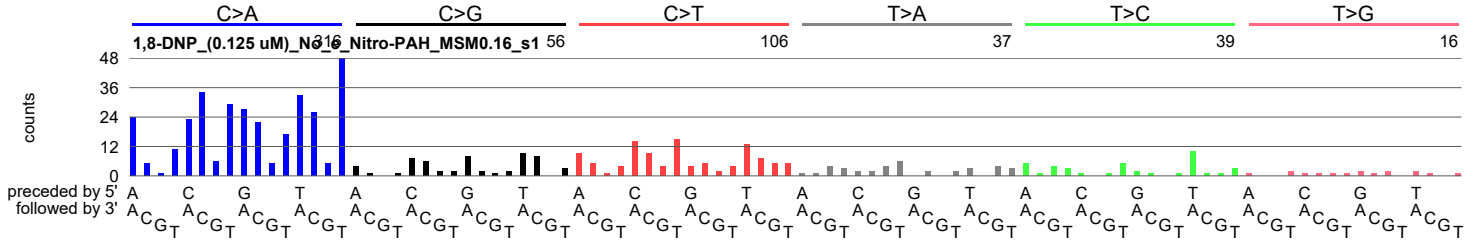

C>A
C>G
C>T
T>A
T>C
T>G
1,4-Benzoquinone_(5 uM)_No_b_Other_MSM0.38_s1
109
7
47
7
10
7
counts
preceded by 5'
followed by 3'

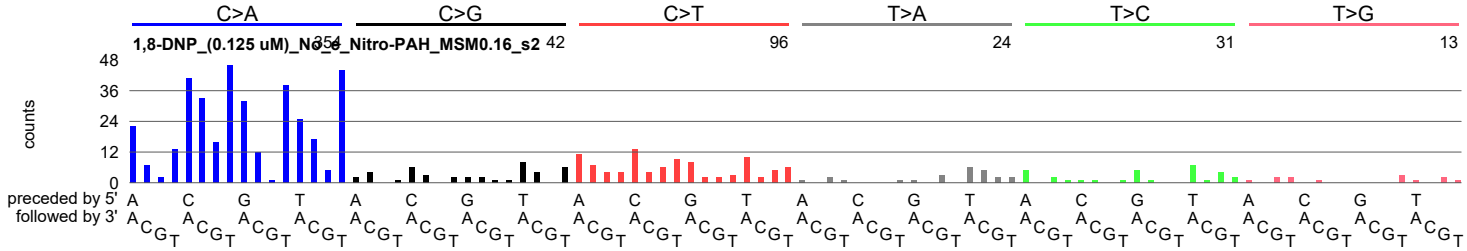

C>A
C>G
C>T
T>A
T>C
T>G
1,4-Benzoquinone_(5 uM)_No_b_Other_MSM0.38_s3
133
7
43
8
11
4
counts
preceded by 5'
followed by 3'

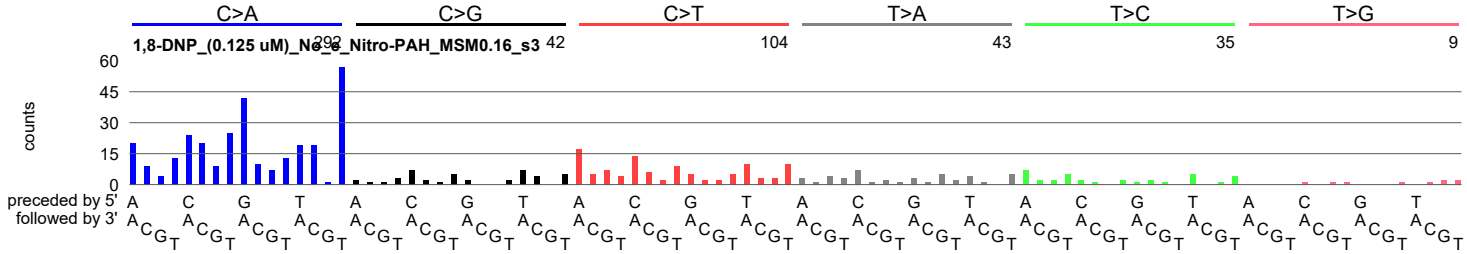

C>A
C>G
C>T
T>A
T>C
T>G
1,6-DNP_(0.09 uM)_No_b_Nitro-PAH_MSM0.50_s1
299
31
97
25
27
9
counts
preceded by 5'
followed by 3'

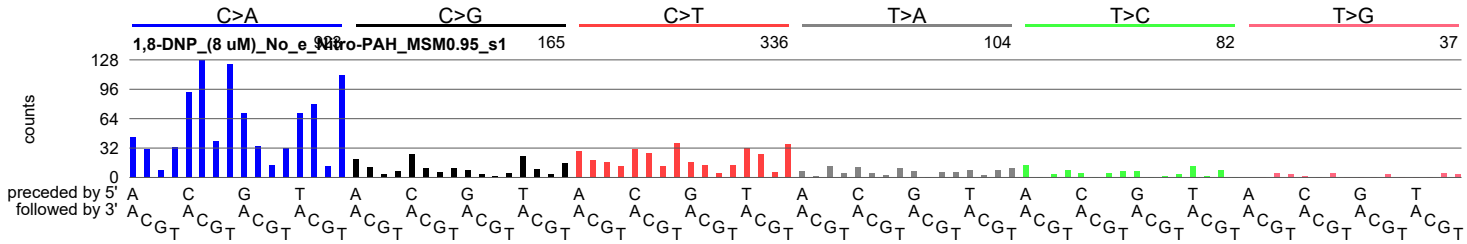

C>A
C>G
C>T
T>A
T>C
T>G
1,6-DNP_(0.09 uM)_No_b_Nitro-PAH_MSM0.50_s2
197
38
96
22
33
11
counts
preceded by 5'
followed by 3'

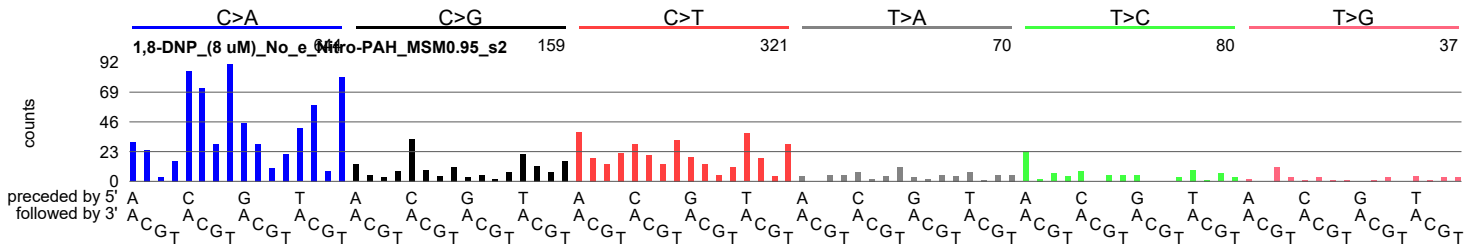

C>A
C>G
C>T
T>A
T>C
T>G
1,6-DNP_(0.09 uM)_No_e_Nitro-PAH_MSM0.50_s3
165
41
87
14
21
15
counts
preceded by 5'
followed by 3'

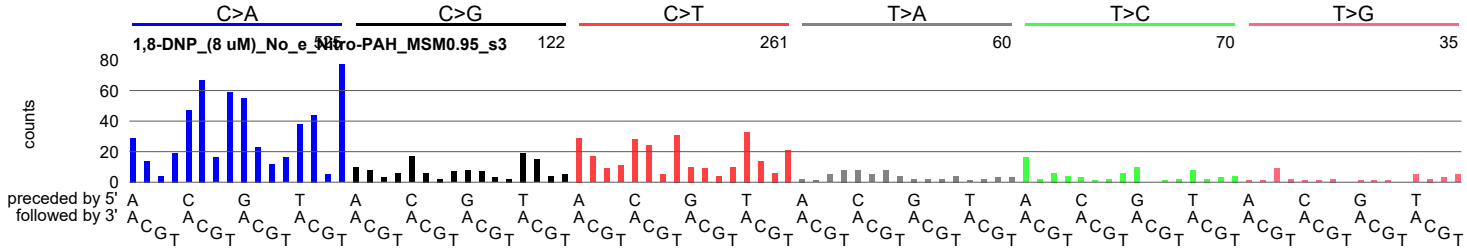

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(0.125 uM)_No_e_Nitro-PAH_MSM0.16_s1
316
56
106
37
39
16
counts
preceded by 5'
followed by 3'

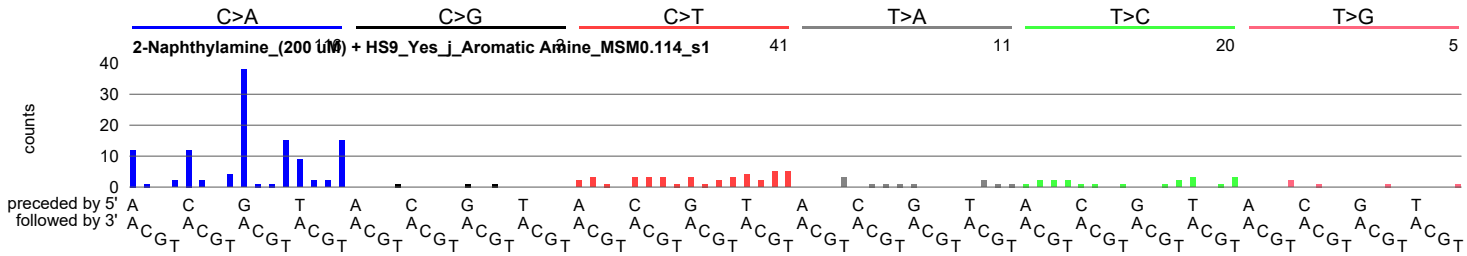

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(0.125 uM)_No_e_Nitro-PAH_MSM0.16_s2
354
42
96
24
31
13
counts
preceded by 5'
followed by 3'

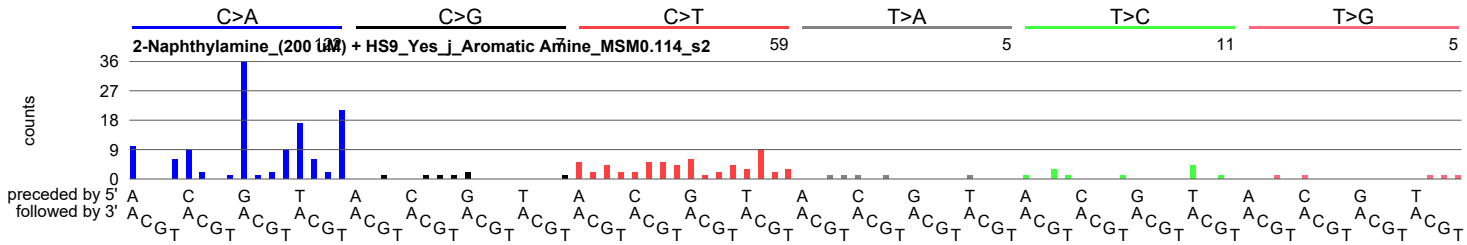

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(0.125 uM)_No_e_Nitro-PAH_MSM0.16_s3
292
42
104
43
35
9
counts
preceded by 5'
followed by 3'

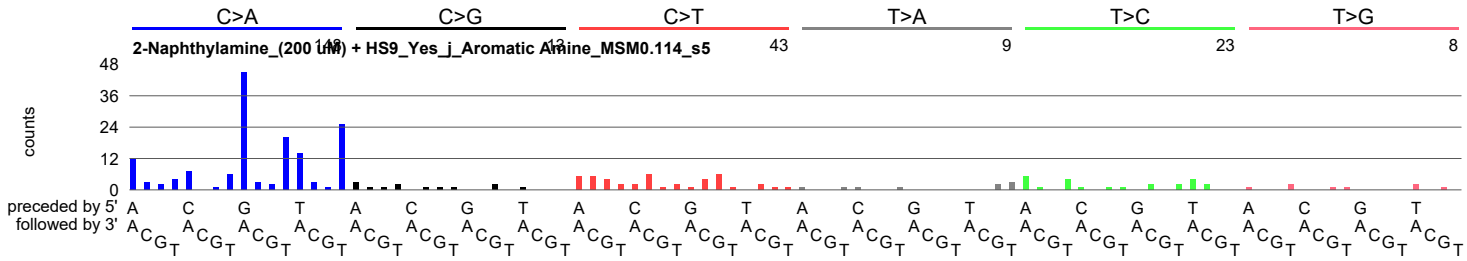

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(8 uM)_No_e_Nitro-PAH_MSM0.95_s1
165
336
104
82
37
counts
preceded by 5'
followed by 3'

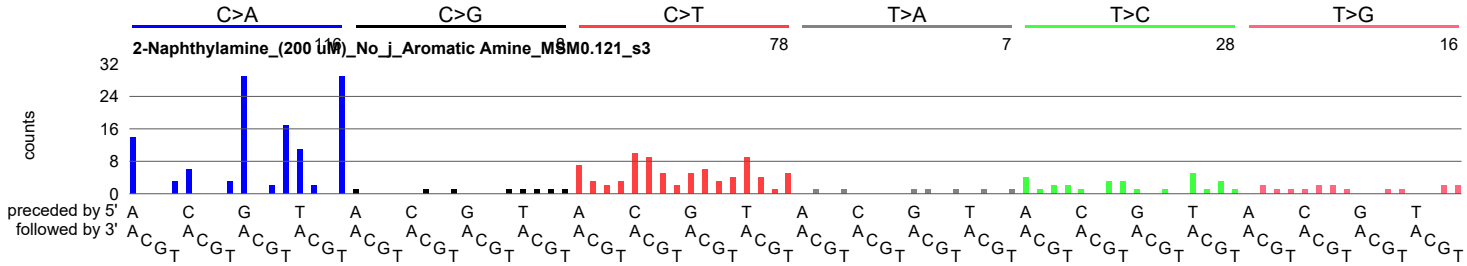

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(8 uM)_No_e_Nitro-PAH_MSM0.95_s2
159
321
70
80
37
counts
preceded by 5'
followed by 3'

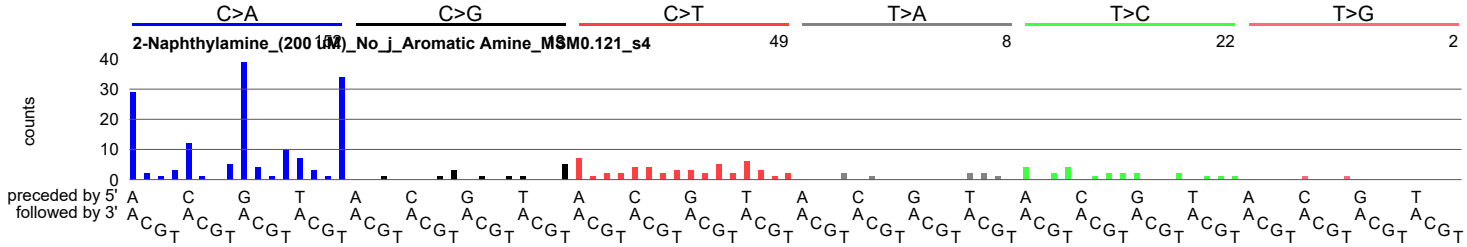

C>A
C>G
C>T
T>A
T>C
T>G
1,8-DNP_(8 uM)_No_e_Nitro-PAH_MSM0.95_s3
122
261
60
70
35
counts
preceded by 5'
followed by 3'

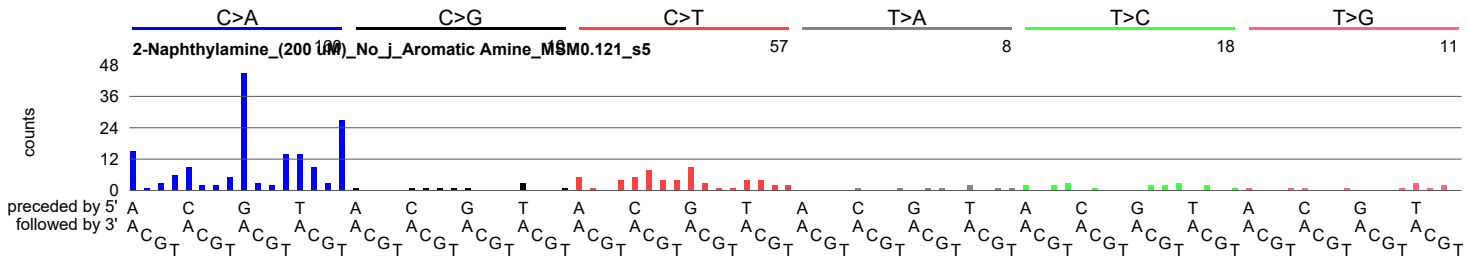

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM) + HS9_Yes_j_Aromatic Amine_MSM0.114_s1
41
11
20
5
counts
preceded by 5'
followed by 3'

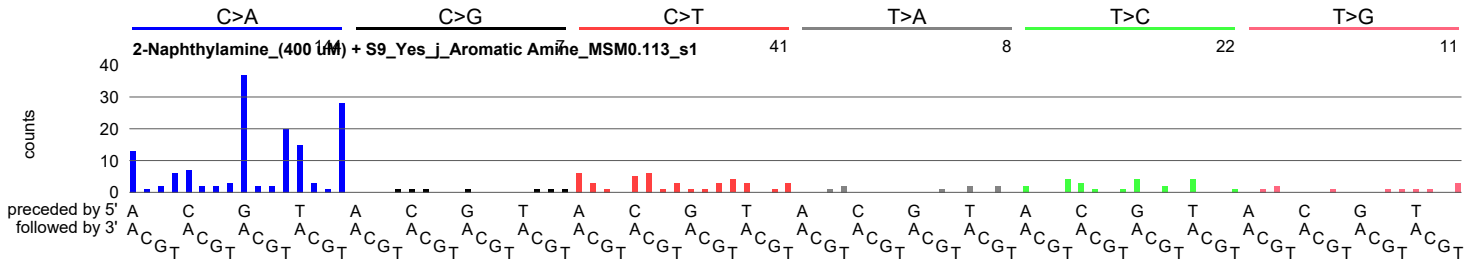

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM) + HS9_Yes_j_Aromatic Amine_MSM0.114_s2
59
5
11
5
counts
preceded by 5'
followed by 3'

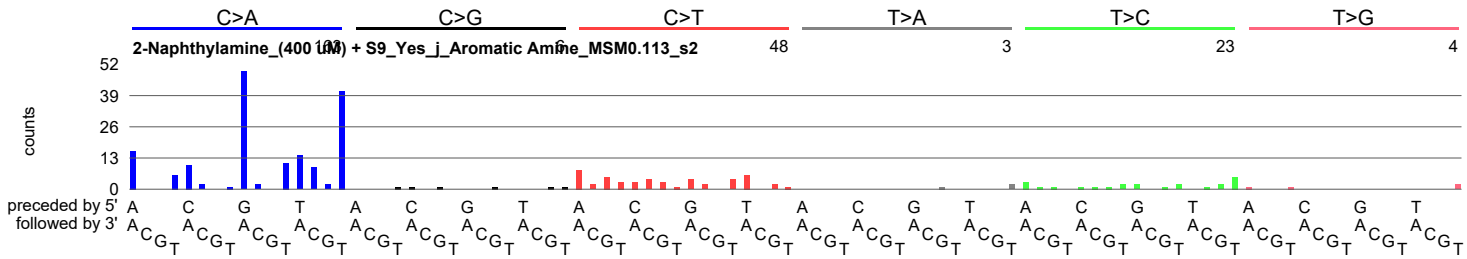

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM) + HS9_Yes_j_Aromatic Amine_MSM0.114_s5
43
9
23
8
counts
preceded by 5'
followed by 3'

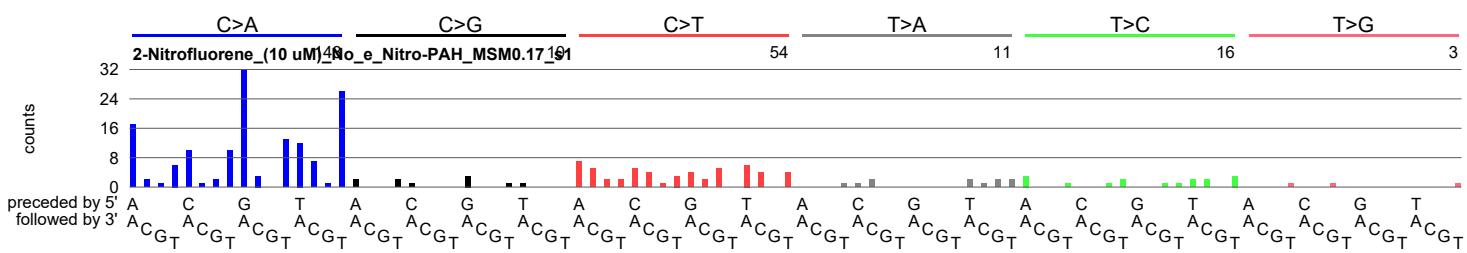

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM)_No_j_Aromatic Amine_MSM0.121_s3
78
7
28
16
counts
preceded by 5'
followed by 3'

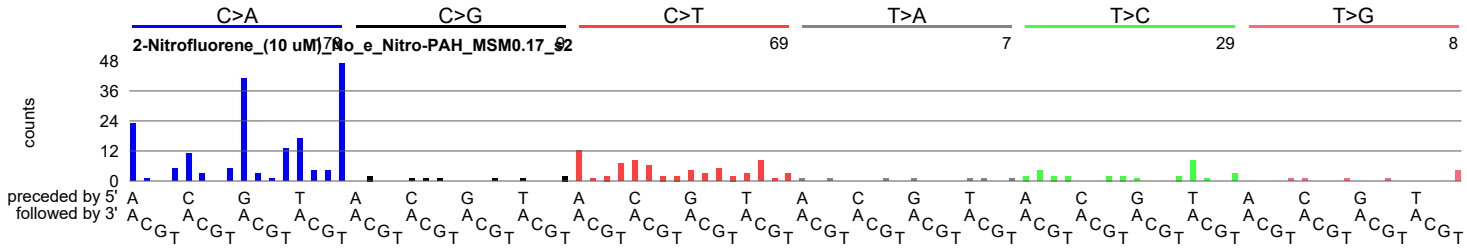

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM)_No_j_Aromatic Amine_MSM0.121_s4
49
8
22
2
counts
preceded by 5'
followed by 3'

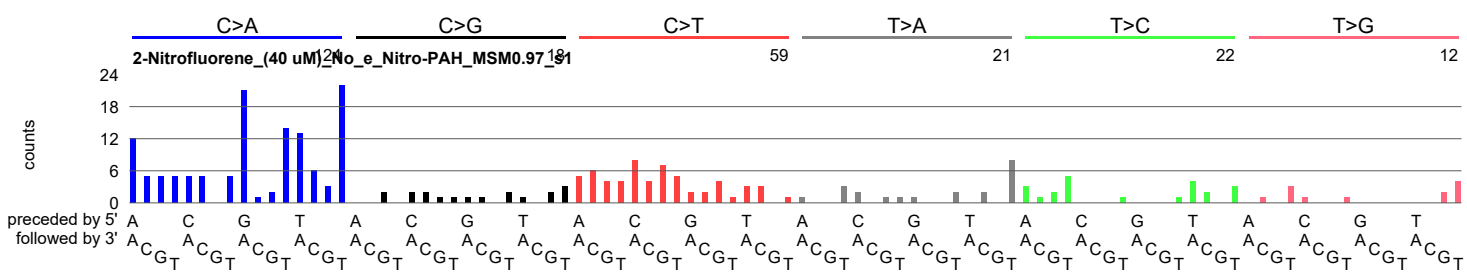

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(200 uM)_No_j_Aromatic Amine_MSM0.121_s5
57
8
18
11
counts
preceded by 5'
followed by 3'

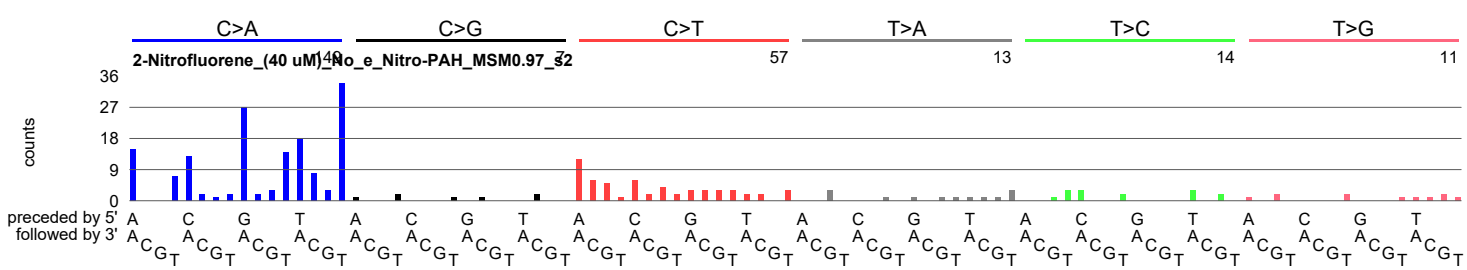

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(400 uM) + S9_Yes_j_Aromatic Amine_MSM0.113_s1
41
8
22
11
counts
preceded by 5'
followed by 3'

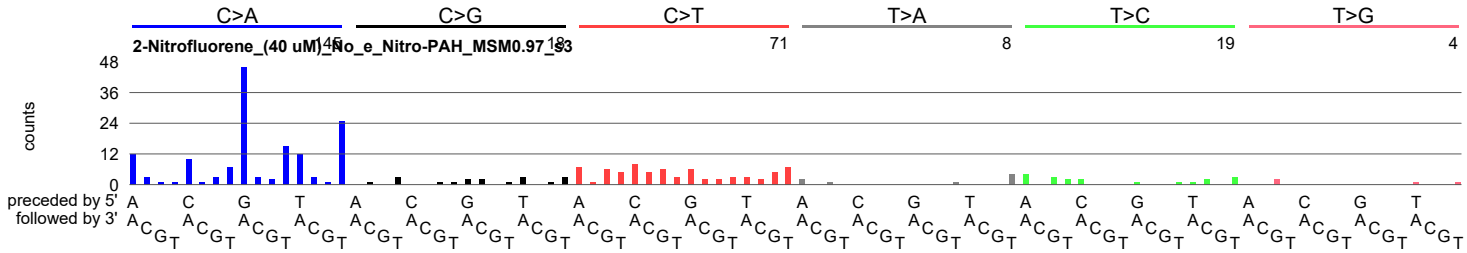

C>A
C>G
C>T
T>A
T>C
T>G
2-Naphthylamine_(400 uM) + S9_Yes_j_Aromatic Amine_MSM0.113_s2
48
3
23
4
counts
preceded by 5'
followed by 3'

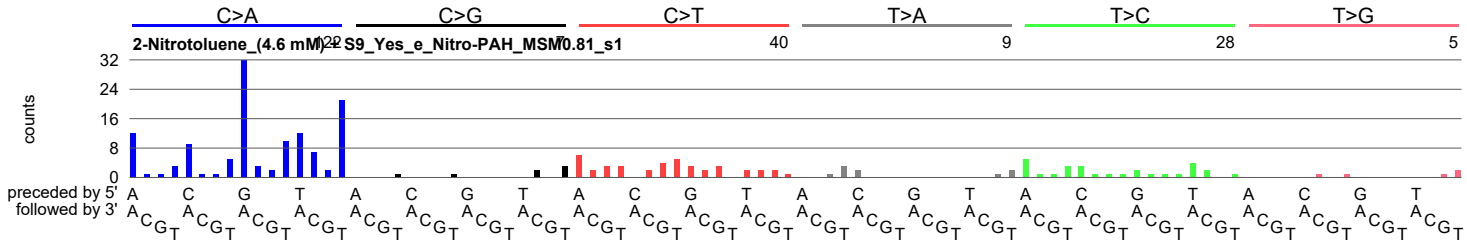

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrofluorene_(10 uM)_No_e_Nitro-PAH_MSM0.17_s1
54
11
16
3
counts
preceded by 5'
followed by 3'

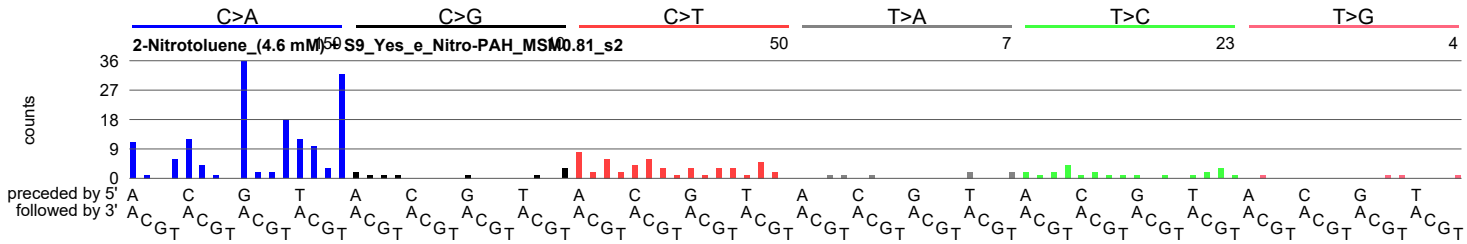

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrofluorene_(10 uM)_No_e_Nitro-PAH_MSM0.17_s2
178
9
69
7
29
8
counts
preceded by 5'
followed by 3'

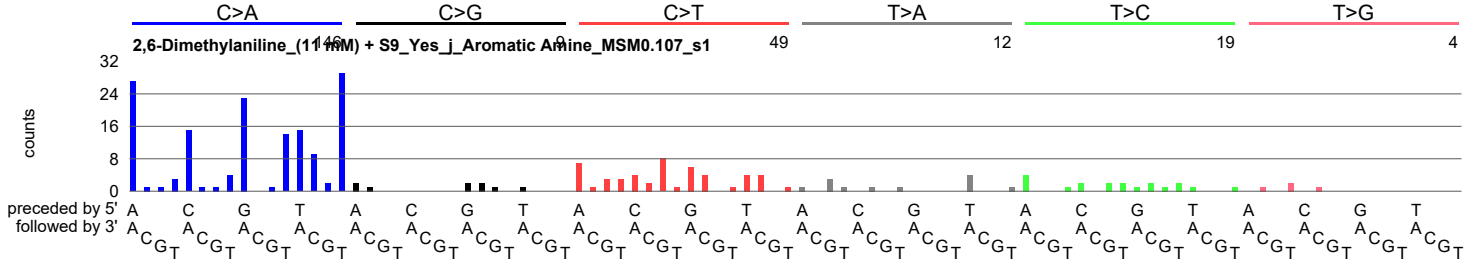

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrofluorene_(40 uM)_No_e_Nitro-PAH_MSM0.97_s1
124
18
59
21
22
12
counts
preceded by 5'
followed by 3'

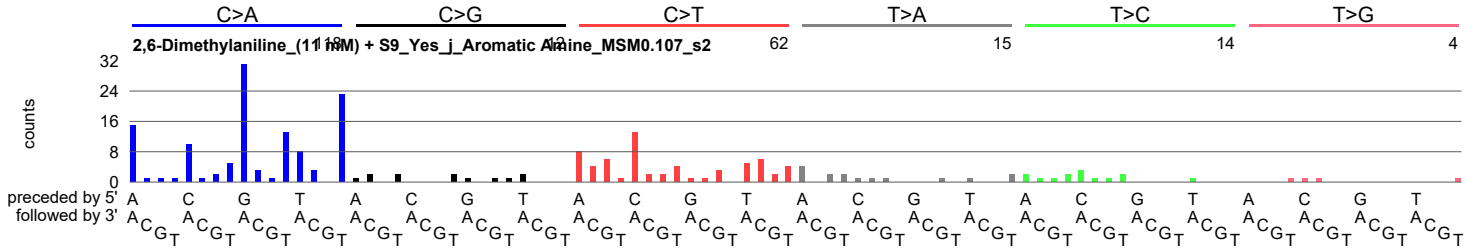

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrofluorene_(40 uM)_No_e_Nitro-PAH_MSM0.97_s2
149
7
57
13
14
11
counts
preceded by 5'
followed by 3'

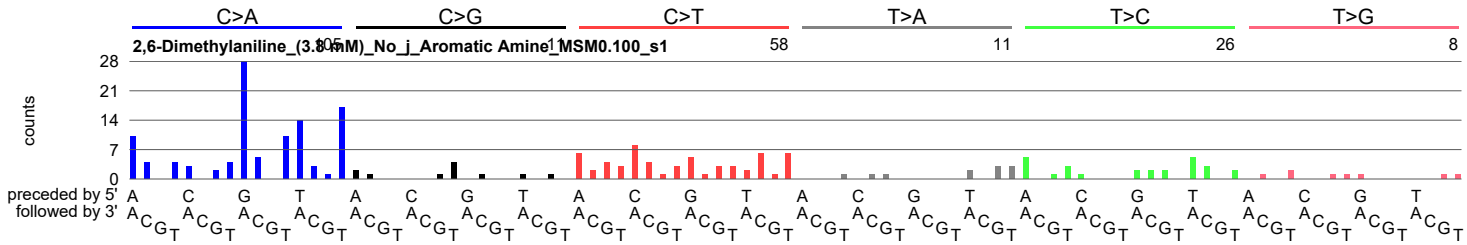

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrofluorene_(40 uM)_No_e_Nitro-PAH_MSM0.97_s3
145
18
71
8
19
4
counts
preceded by 5'
followed by 3'

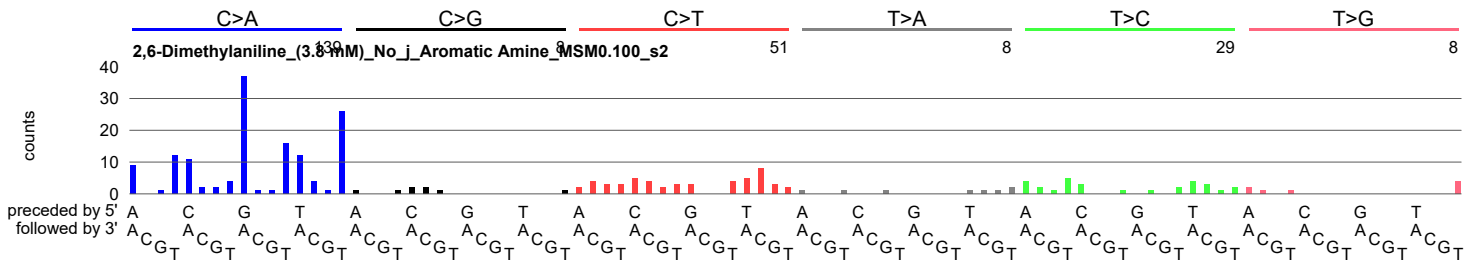

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrotoluene_(4.6 mM)_S9_Yes_e_Nitro-PAH_MSM0.81_s1
122
7
40
9
28
5
counts
preceded by 5'
followed by 3'

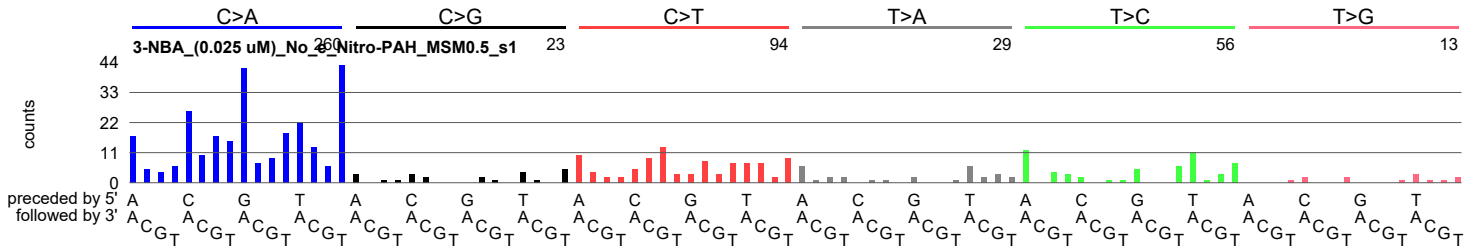

C>A
C>G
C>T
T>A
T>C
T>G
2-Nitrotoluene_(4.6 mM)_S9_Yes_e_Nitro-PAH_MSM0.81_s2
150
10
50
7
23
4
counts
preceded by 5'
followed by 3'

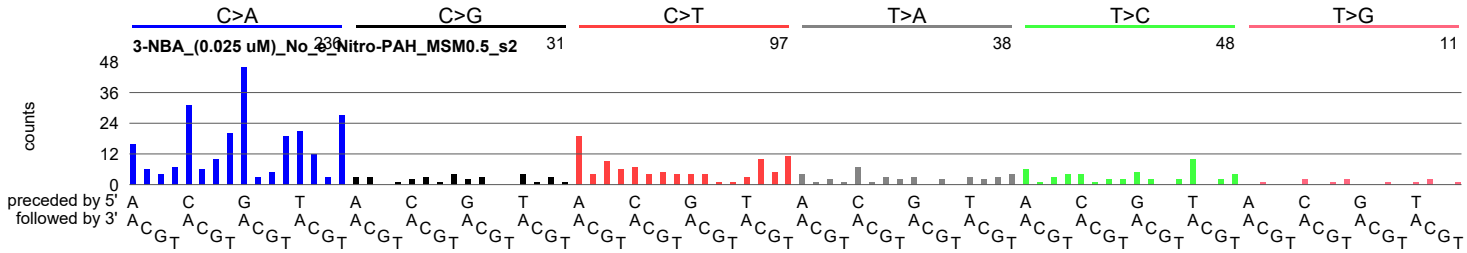

C>A
C>G
C>T
T>A
T>C
T>G
2,6-Dimethylaniline_(11 mM) + S9_Yes_j_Aromatic Amine_MSM0.107_s1
146
9
49
12
19
4
counts
preceded by 5'
followed by 3'

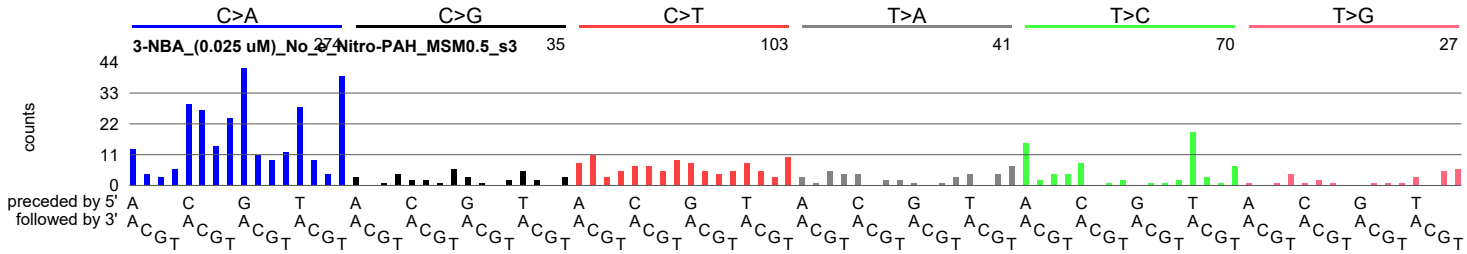

C>A
C>G
C>T
T>A
T>C
T>G
2,6-Dimethylaniline_(11 mM) + S9_Yes_j_Aromatic Amine_MSM0.107_s2
148
12
62
15
14
4
counts
preceded by 5'
followed by 3'

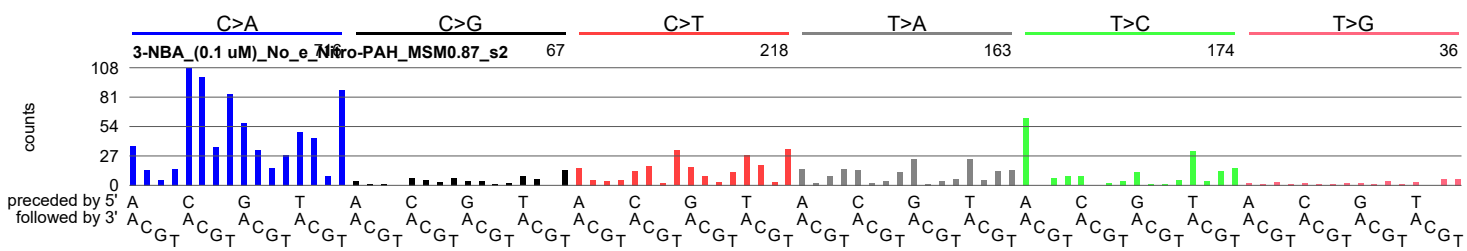

C>A
C>G
C>T
T>A
T>C
T>G
2,6-Dimethylaniline_(3.8 mM)_No_j_Aromatic Amine_MSM0.100_s1
105
11
58
11
26
8
counts
preceded by 5'
followed by 3'

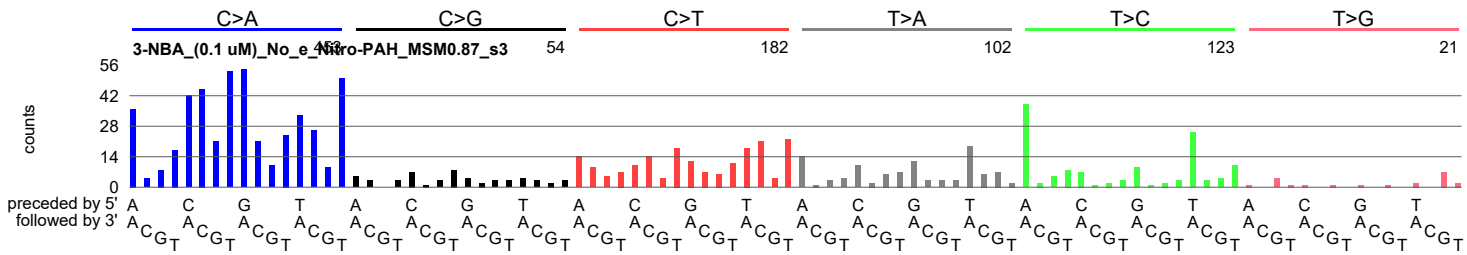

C>A
C>G
C>T
T>A
T>C
T>G
2,6-Dimethylaniline_(3.8 mM)_No_j_Aromatic Amine_MSM0.100_s2
139
8
51
8
29
8
counts
preceded by 5'
followed by 3'

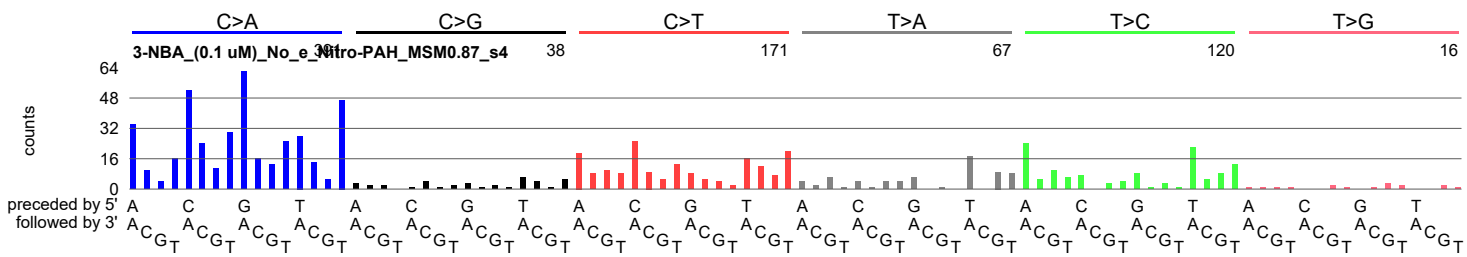

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.025 uM)_No_e_Nitro-PAH_MSM0.5_s1
260
23
94
29
56
13
counts
preceded by 5'
followed by 3'

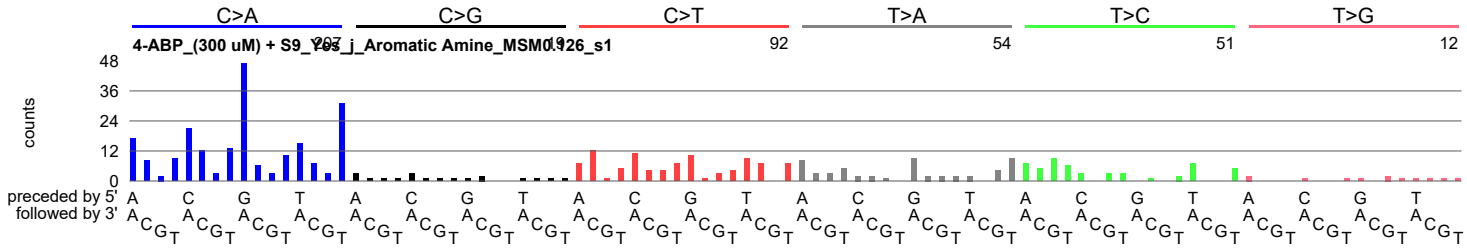

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.025 uM)_No_e_Nitro-PAH_MSM0.5_s2
236
31
97
38
48
11
counts
preceded by 5'
followed by 3'

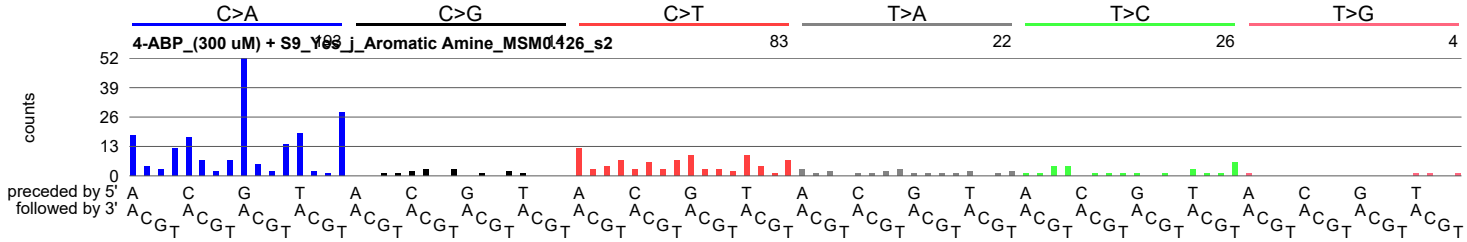

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.025 uM)_No_e_Nitro-PAH_MSM0.5_s3
274
35
103
41
70
27
counts
preceded by 5'
followed by 3'

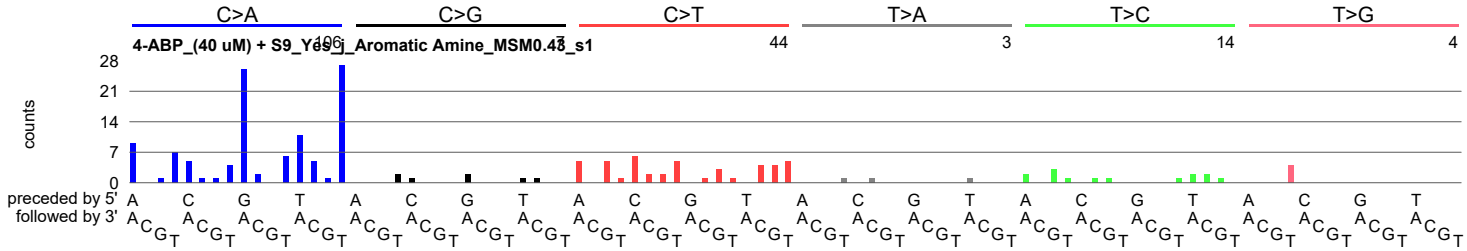

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.1 uM)_No_e_Nitro-PAH_MSM0.87_s2
716
67
218
163
174
36
counts
preceded by 5'
followed by 3'

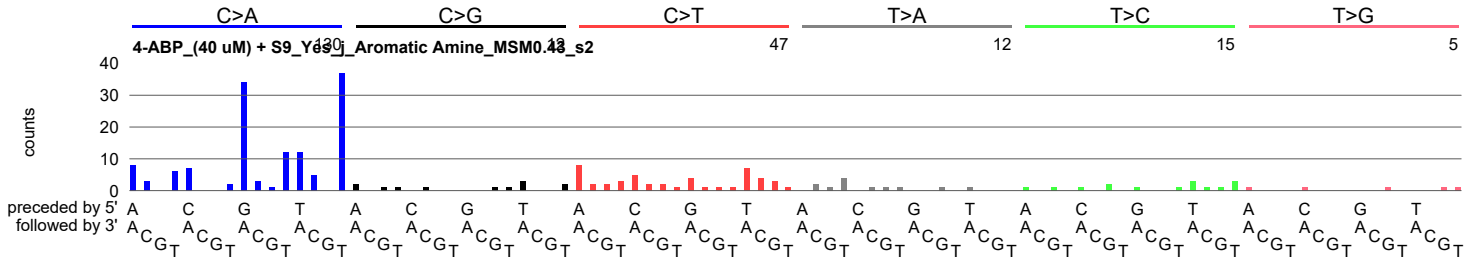

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.1 uM)_No_e_Nitro-PAH_MSM0.87_s3
453
54
182
102
123
21
counts
preceded by 5'
followed by 3'

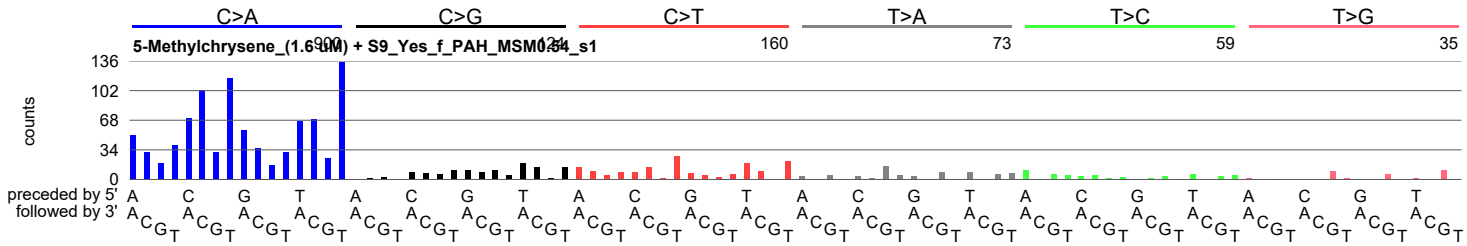

C>A
C>G
C>T
T>A
T>C
T>G
3-NBA_(0.1 uM)_No_e_Nitro-PAH_MSM0.87_s4
38
171
67
120
16
counts
preceded by 5'
followed by 3'

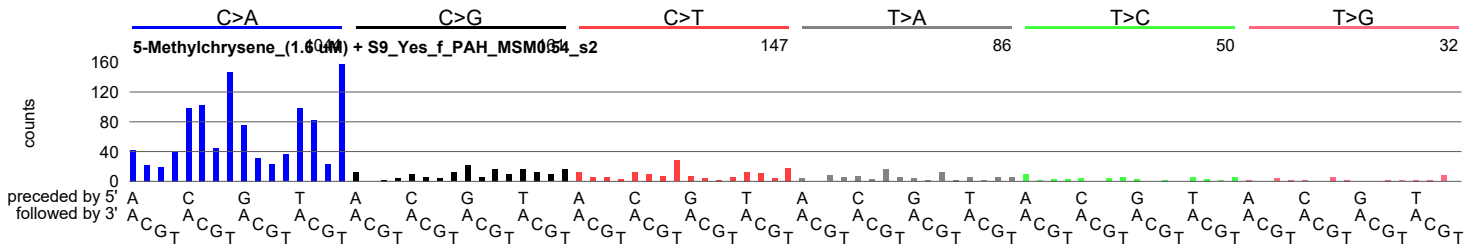

C>A
C>G
C>T
T>A
T>C
T>G
4-ABP_(300 uM) + S9_Yes_j_Aromatic Amine_MSM0.126_s1
297
19
92
54
51
12
counts
preceded by 5'
followed by 3'

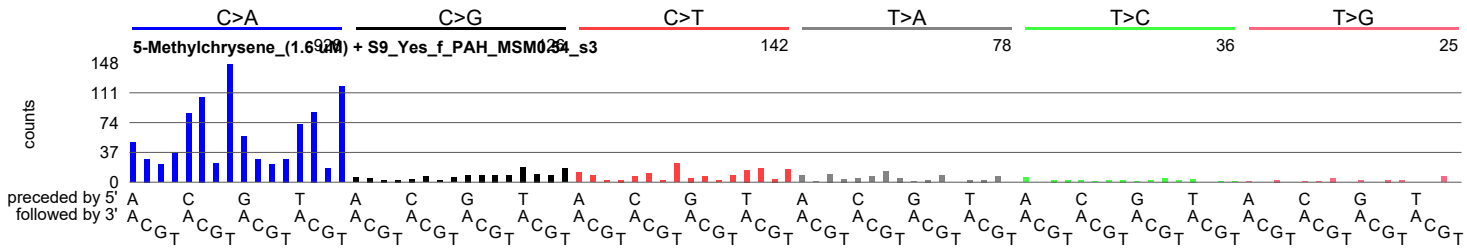

C>A
C>G
C>T
T>A
T>C
T>G
4-ABP_(300 uM) + S9_Yes_j_Aromatic Amine_MSM0.126_s2
193
14
83
22
26
4
counts
preceded by 5'
followed by 3'

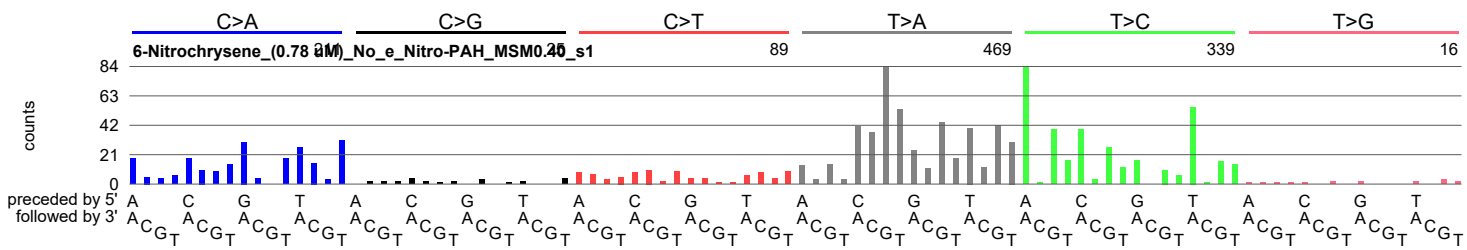

C>A
C>G
C>T
T>A
T>C
T>G
4-ABP_(40 uM) + S9_Yes_j_Aromatic Amine_MSM0.43_s1
196
13
44
3
14
4
counts
preceded by 5'
followed by 3'

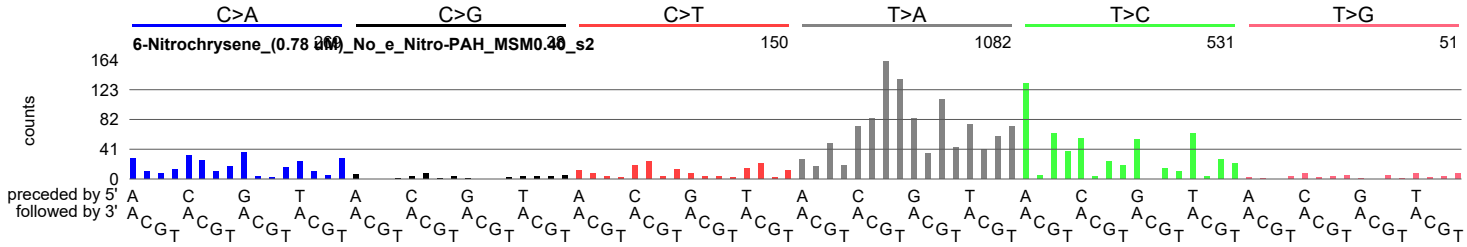

C>A
C>G
C>T
T>A
T>C
T>G
4-ABP_(40 uM) + S9_Yes_j_Aromatic Amine_MSM0.43_s2
130
13
47
12
15
5
counts
preceded by 5'
followed by 3'

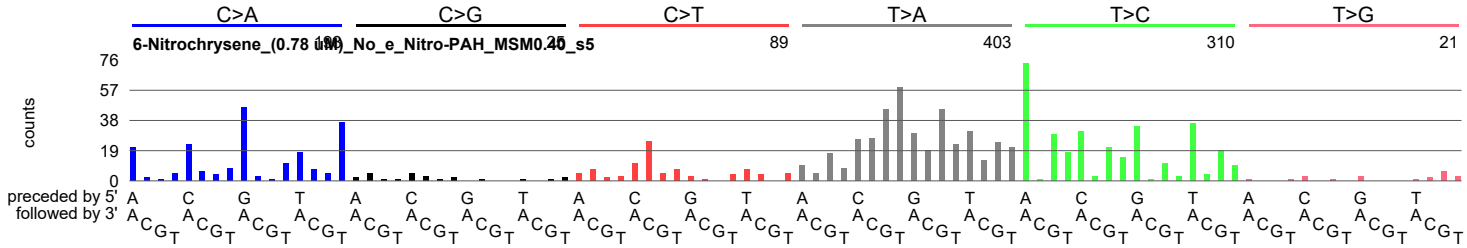

C>A
C>G
C>T
T>A
T>C
T>G
5-Methylchrysene_(1.6 uM) + S9_Yes_f_PAH_MSM0.54_s1
160
73
59
35
counts
preceded by 5'
followed by 3'

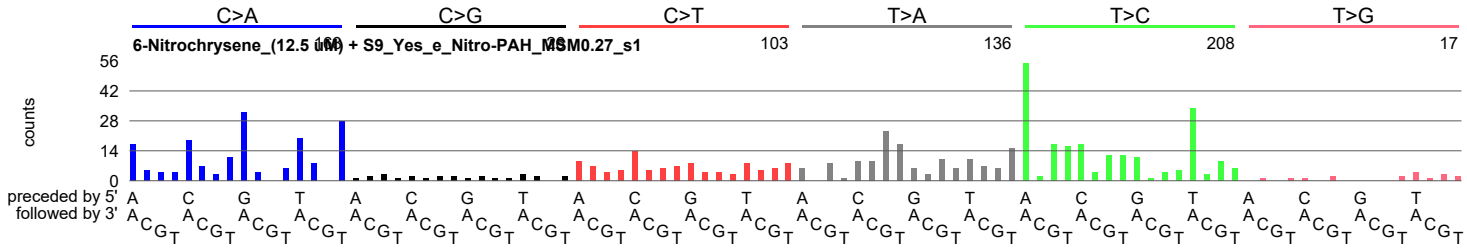

C>A
C>G
C>T
T>A
T>C
T>G
5-Methylchrysene_(1.6 uM) + S9_Yes_f_PAH_MSM0.54_s2
147
86
50
32
counts
preceded by 5'
followed by 3'

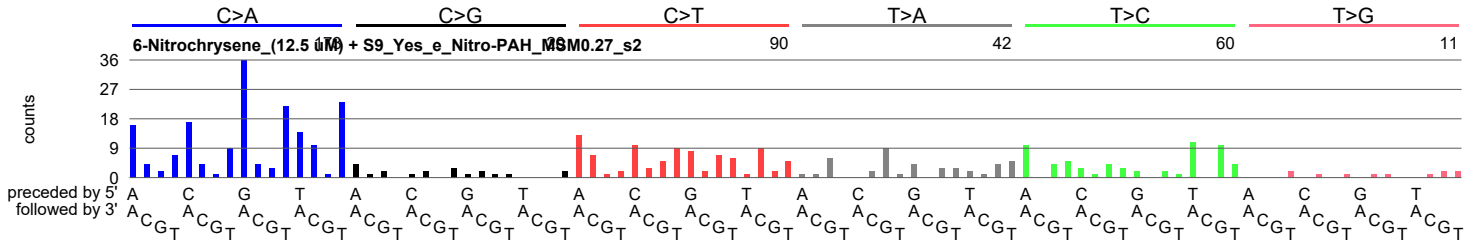

C>A
C>G
C>T
T>A
T>C
T>G
5-Methylchrysene_(1.6 uM) + S9_Yes_f_PAH_MSM0.54_s3
142
78
36
25
counts
preceded by 5'
followed by 3'

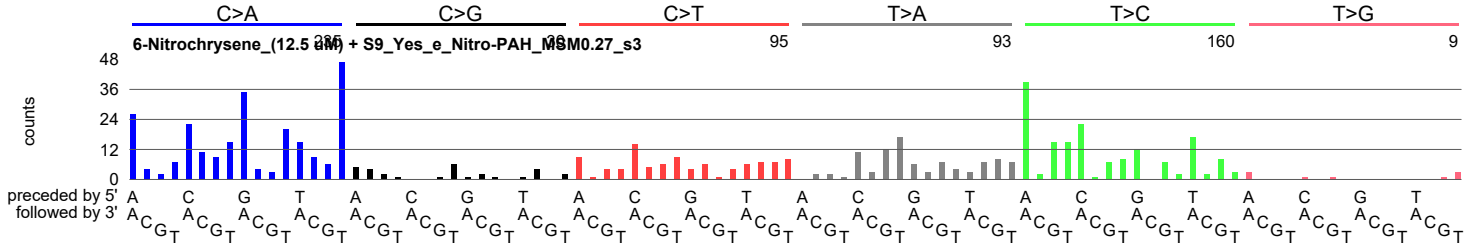

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(0.78 uM)_No_e_Nitro-PAH_MSM0.20_s1
89
469
339
16
counts
preceded by 5'
followed by 3'

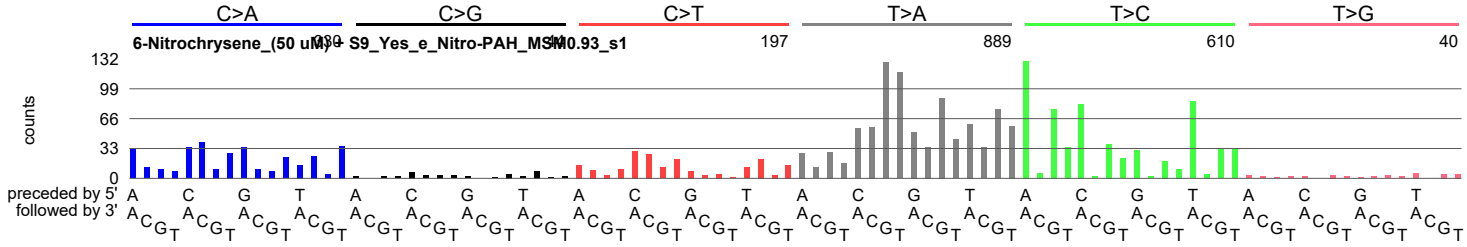

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(0.78 uM)_No_e_Nitro-PAH_MSM0.25_s2
150
1082
531
51
counts
preceded by 5'
followed by 3'

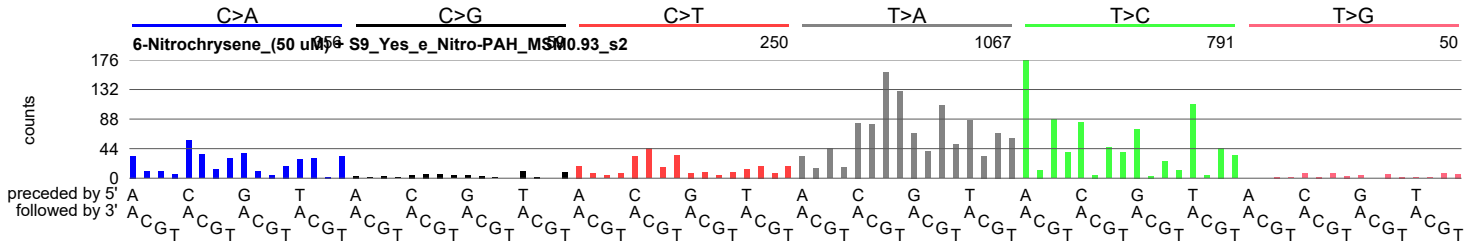

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(0.78 uM)_No_e_Nitro-PAH_MSM0.25_s5
89
403
310
21
counts
preceded by 5'
followed by 3'

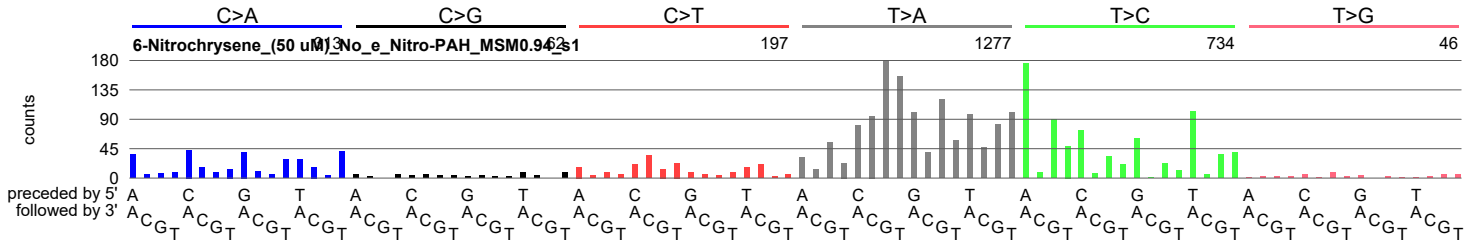

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(12.5 uM) + S9_Yes_e_Nitro-PAH_MSM0.27_s1
103
136
208
17
counts
preceded by 5'
followed by 3'

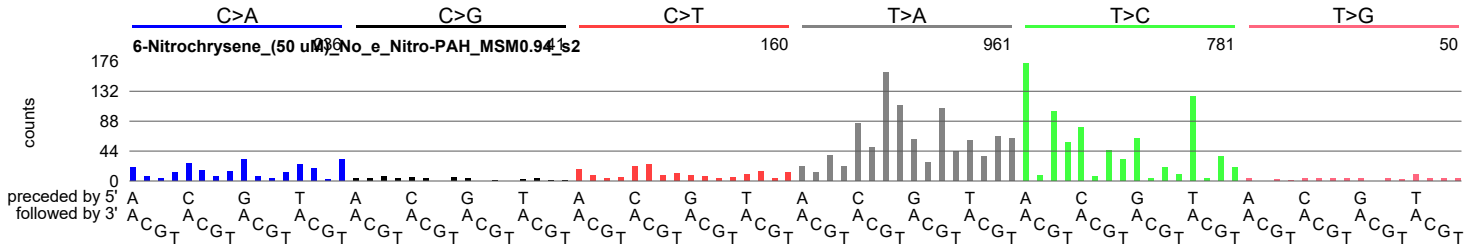

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(12.5 uM) + S9_Yes_e_Nitro-PAH_MSM0.27_s2
90
42
60
11
counts
preceded by 5'
followed by 3'

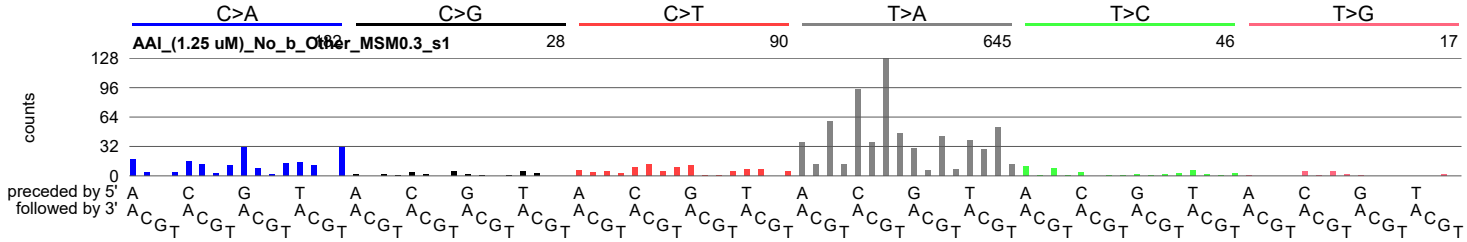

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(12.5 uM) + S9_Yes_e_Nitro-PAH_MSM0.27_s3
95
93
160
9
counts
preceded by 5'
followed by 3'

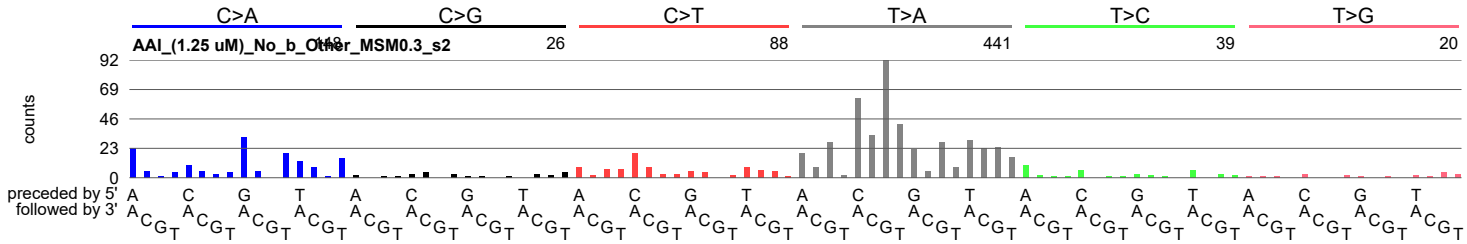

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(50 uM) + S9_Yes_e_Nitro-PAH_MSM0.93_s1
197
889
610
40
counts
preceded by 5'
followed by 3'

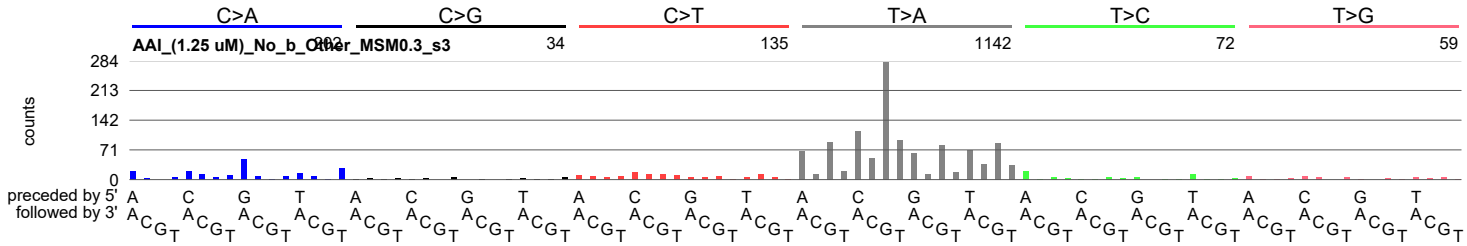

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(50 uM) + S9_Yes_e_Nitro-PAH_MSM0.93_s2
250
1067
791
50
counts
preceded by 5'
followed by 3'

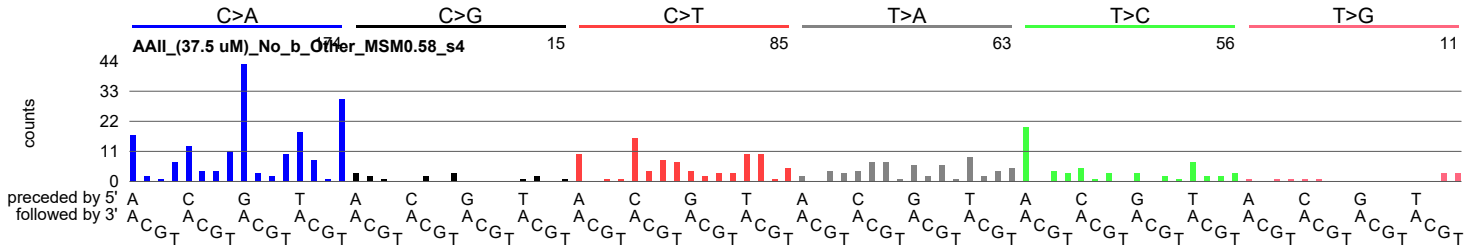

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(50 uM)_No_e_Nitro-PAH_MSM0.94_s1
197
1277
734
46
counts
preceded by 5'
followed by 3'

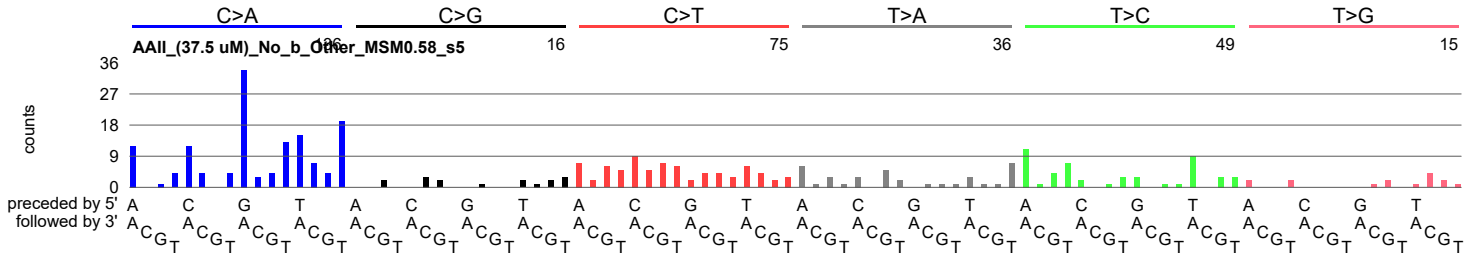

C>A
C>G
C>T
T>A
T>C
T>G
6-Nitrochrysene_(50 uM)_No_e_Nitro-PAH_MSM0.94_s2
160
961
781
50
counts
preceded by 5'
followed by 3'

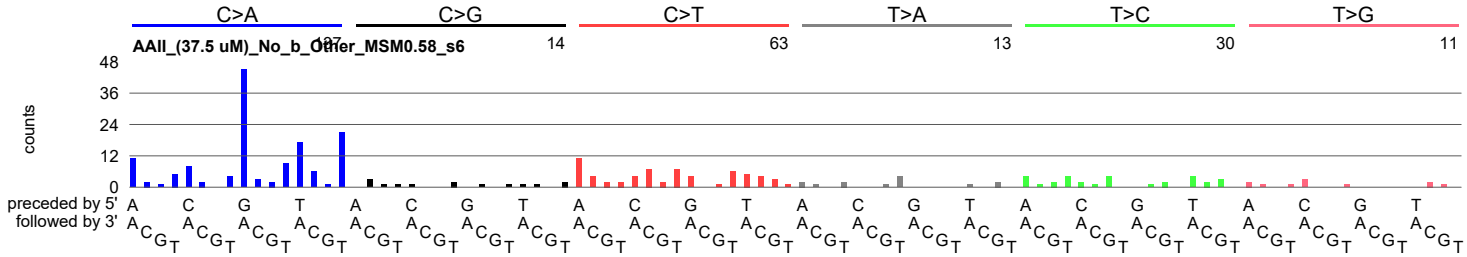

C>A
C>G
C>T
T>A
T>C
T>G
AAI_(1.25 uM)_No_b_Other_MSM0.3_s1
28
90
645
46
17
counts
preceded by 5'
followed by 3'

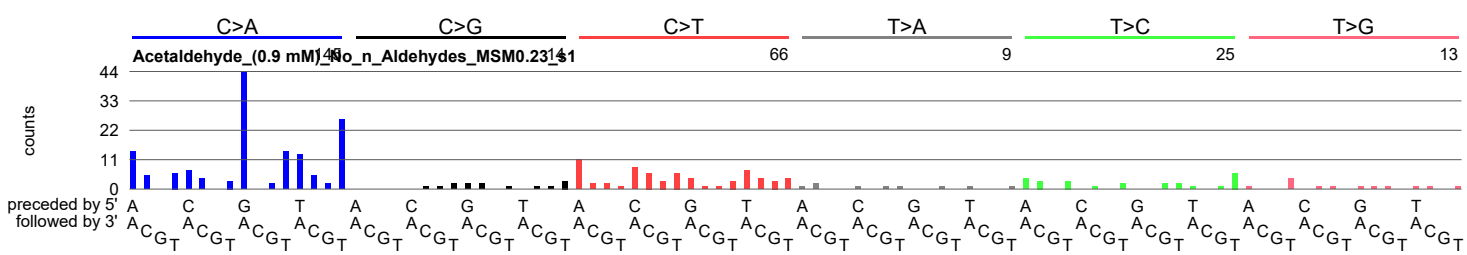

C>A
C>G
C>T
T>A
T>C
T>G
AAI_(1.25 uM)_No_b_Other_MSM0.3_s2
26
88
441
39
20
counts
preceded by 5'
followed by 3'

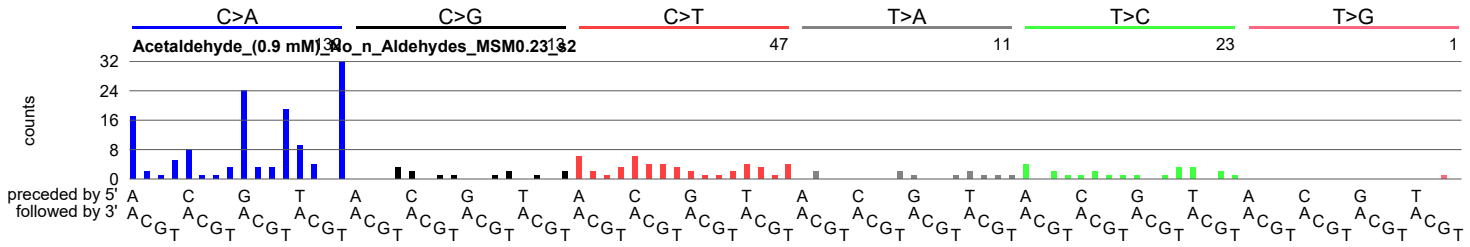

C>A
C>G
C>T
T>A
T>C
T>G
AAI_(1.25 uM)_No_b_Other_MSM0.3_s3
34
135
1142
72
59
counts
preceded by 5'
followed by 3'

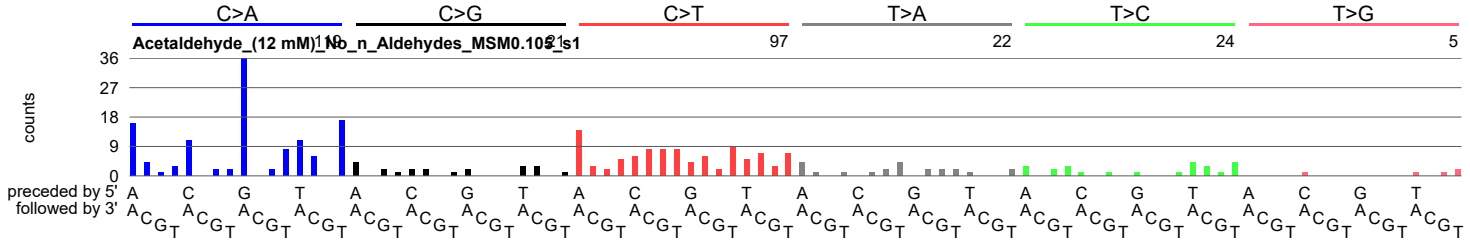

C>A
C>G
C>T
T>A
T>C
T>G
AAII_(37.5 uM)_No_b_Other_MSM0.58_s4
15
85
63
56
11
counts
preceded by 5'
followed by 3'

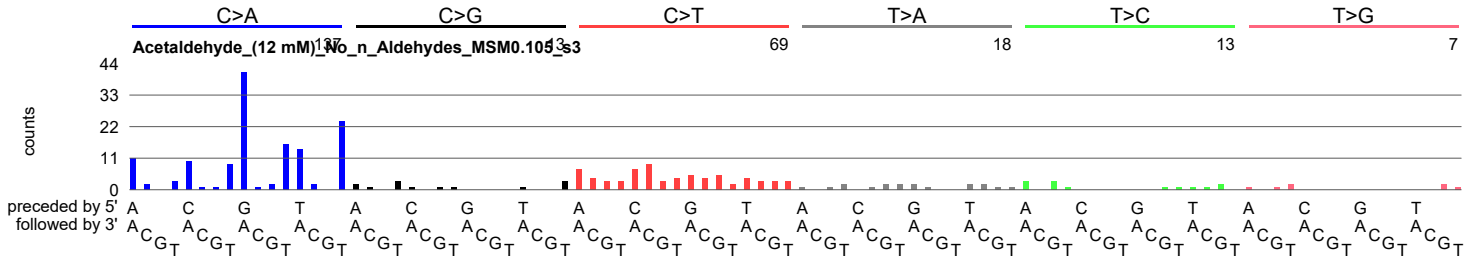

C>A
C>G
C>T
T>A
T>C
T>G
AAII_(37.5 uM)_No_b_Other_MSM0.58_s5
16
75
36
49
15
counts
preceded by 5'
followed by 3'

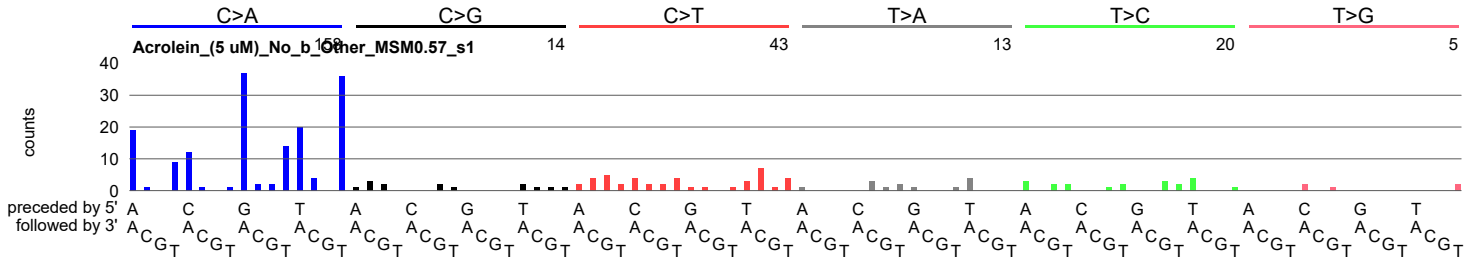

C>A
C>G
C>T
T>A
T>C
T>G
AAII_(37.5 uM)_No_b_Other_MSM0.58_s6
14
63
13
30
11
counts
preceded by 5'
followed by 3'

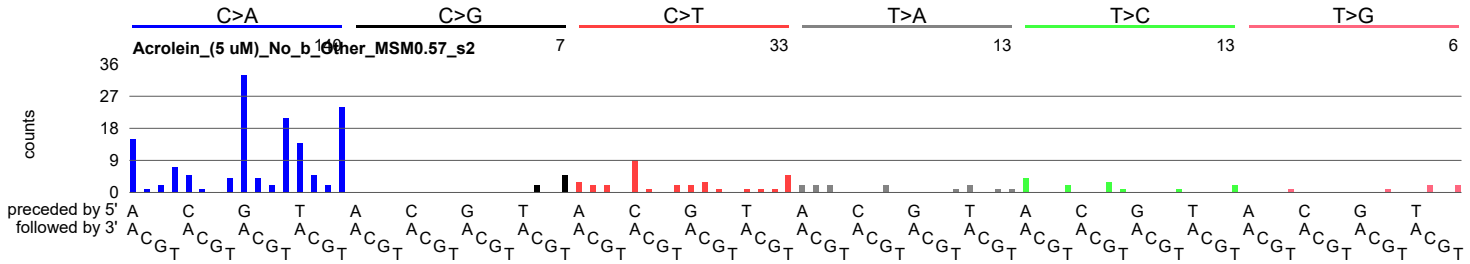

C>A
C>G
C>T
T>A
T>C
T>G
Acetaldehyde_(0.9 mM)_No_n_Aldehydes_MSM0.23_s1
66
9
25
13
counts
preceded by 5'
followed by 3'

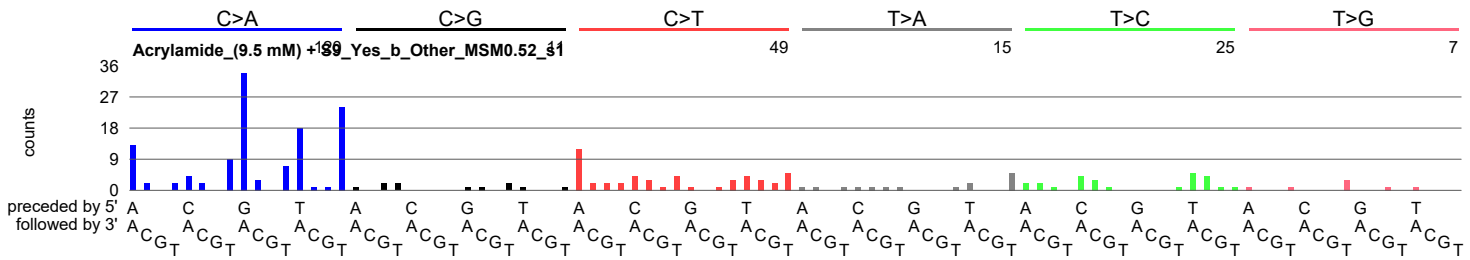

C>A
C>G
C>T
T>A
T>C
T>G
Acetaldehyde_(0.9 mM)_No_n_Aldehydes_MSM0.23_s2
139
13
47
11
23
1
counts
preceded by 5'
followed by 3'

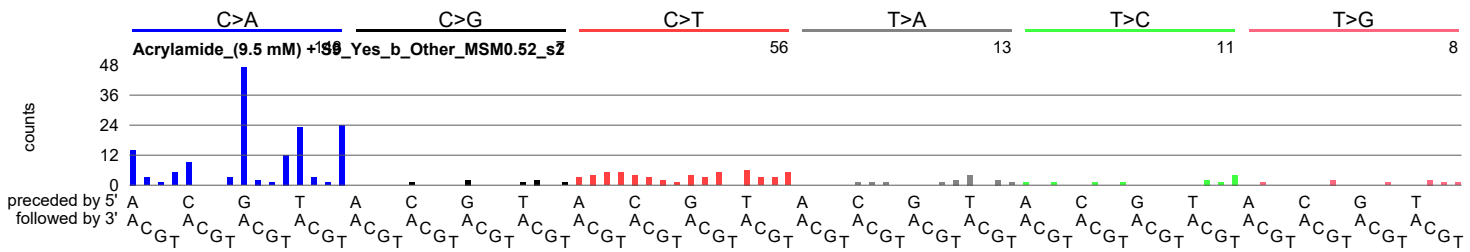

C>A
C>G
C>T
T>A
T>C
T>G
Acetaldehyde_(12 mM)_No_n_Aldehydes_MSM0.105_s1
119
51
97
22
24
5
counts
preceded by 5'
followed by 3'

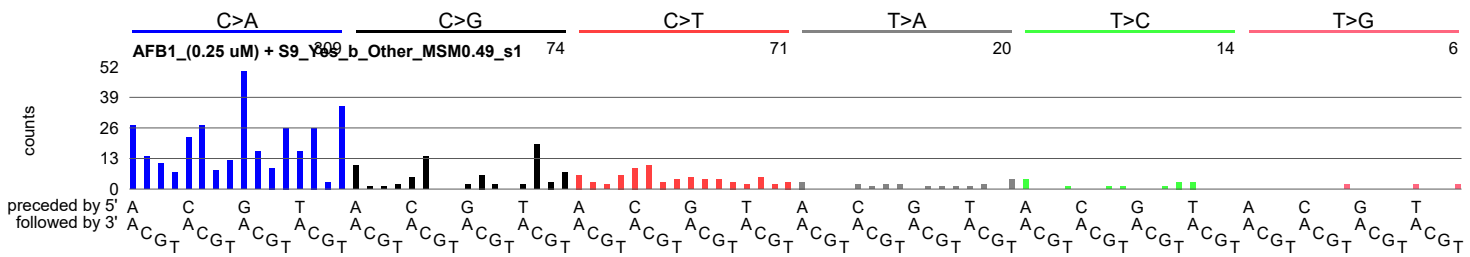

C>A
C>G
C>T
T>A
T>C
T>G
Acetaldehyde_(12 mM)_No_n_Aldehydes_MSM0.105_s3
137
13
69
18
13
7
counts
preceded by 5'
followed by 3'

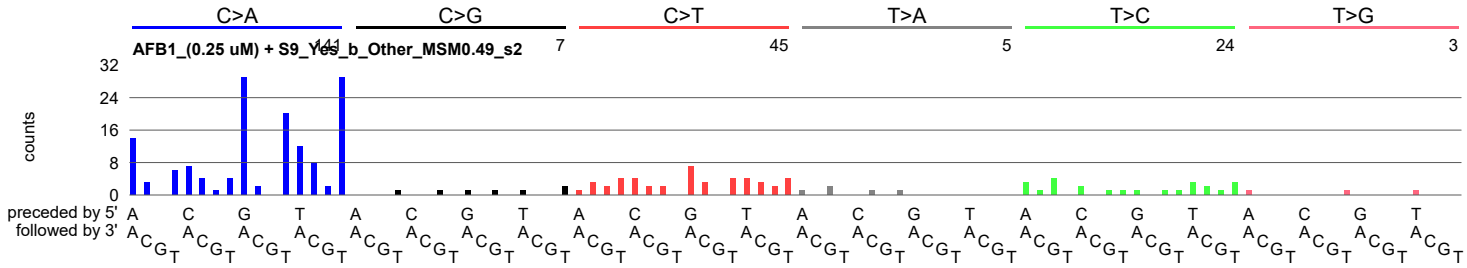

C>A
C>G
C>T
T>A
T>C
T>G
Acrolein_(5 uM)_No_b_Other_MSM0.57_s1
158
14
43
13
20
5
counts
preceded by 5'
followed by 3'

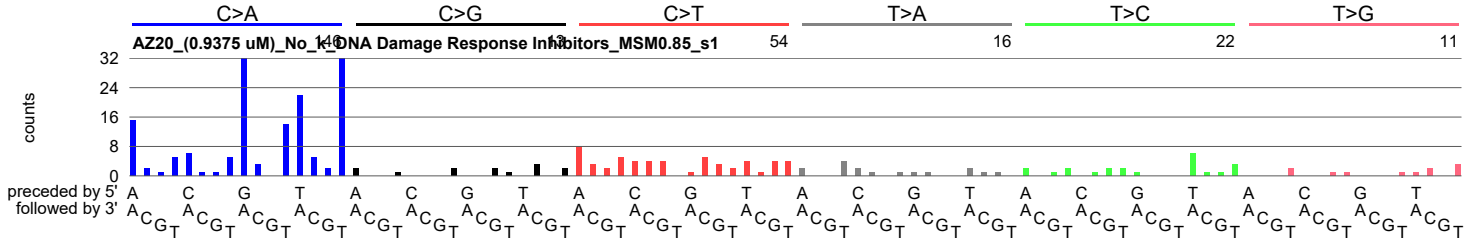

C>A
C>G
C>T
T>A
T>C
T>G
Acrolein_(5 uM)_No_b_Other_MSM0.57_s2
160
7
33
13
13
6
counts
preceded by 5'
followed by 3'

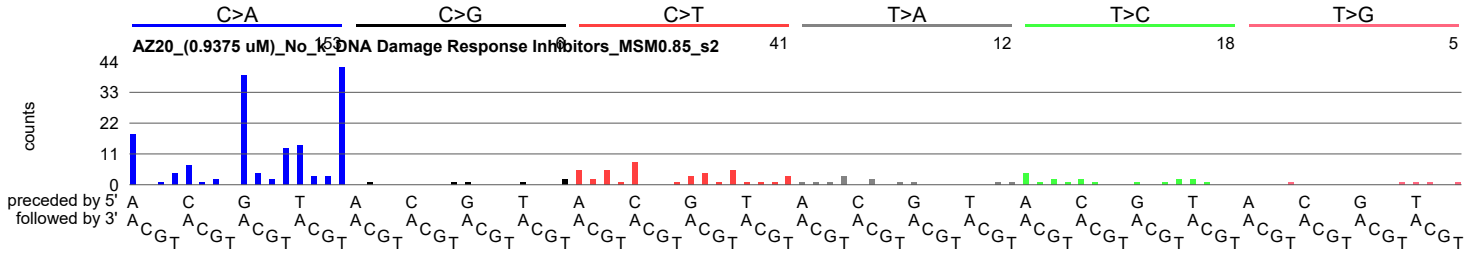

C>A
C>G
C>T
T>A
T>C
T>G
Acrylamide_(9.5 mM) + S9_Yes_b_Other_MSM0.52_s1
169
11
49
15
25
7
counts
preceded by 5'
followed by 3'

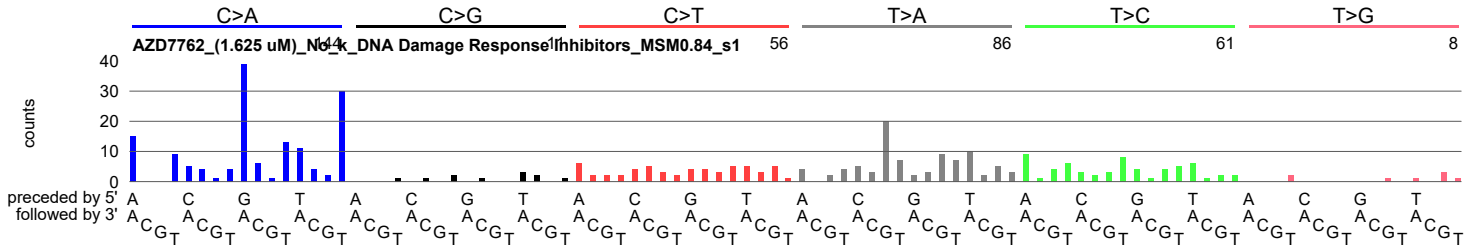

C>A
C>G
C>T
T>A
T>C
T>G
Acrylamide_(9.5 mM) + S9_Yes_b_Other_MSM0.52_s2
168
7
56
13
11
8
counts
preceded by 5'
followed by 3'

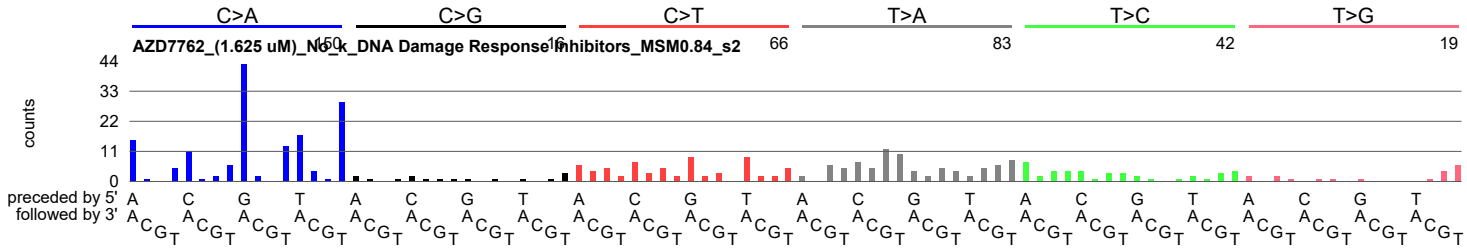

C>A
C>G
C>T
T>A
T>C
T>G
AFB1_(0.25 uM) + S9_Yes_b_Other_MSM0.49_s1
209
74
71
20
14
6
counts
preceded by 5'
followed by 3'

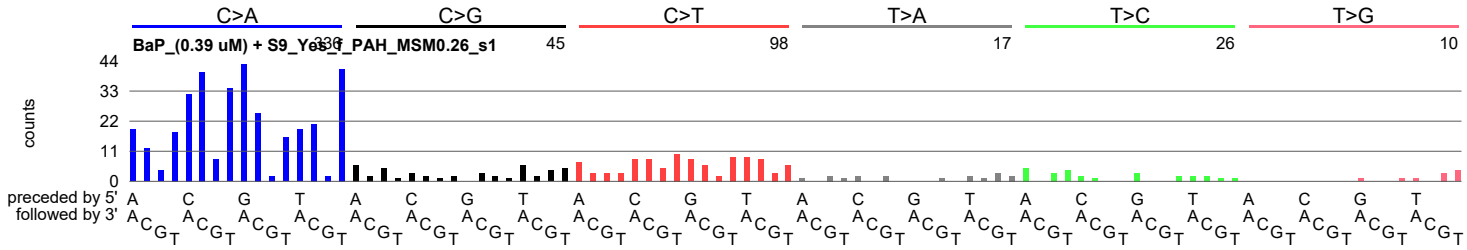

C>A
C>G
C>T
T>A
T>C
T>G
AFB1_(0.25 uM) + S9_Yes_b_Other_MSM0.49_s2
141
7
45
5
24
3
counts
preceded by 5'
followed by 3'

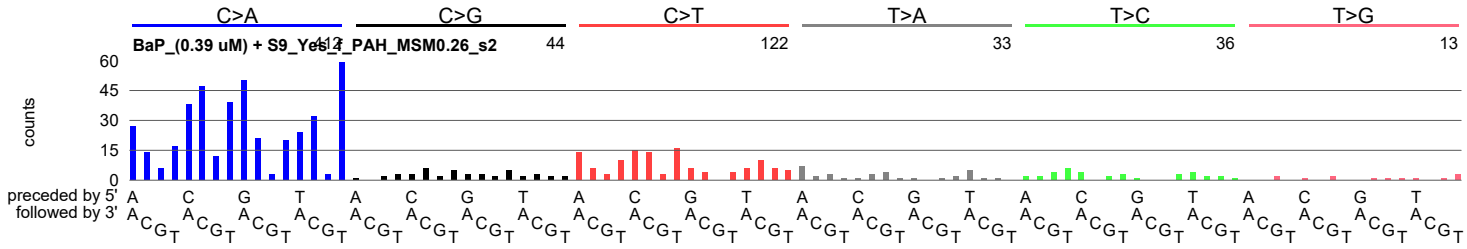

C>A
C>G
C>T
T>A
T>C
T>G
AZ20_(0.9375 uM)_No_k_DNA Damage Response Inhibitors_MSM0.85_s1
146
13
54
16
22
11
counts
preceded by 5'
followed by 3'

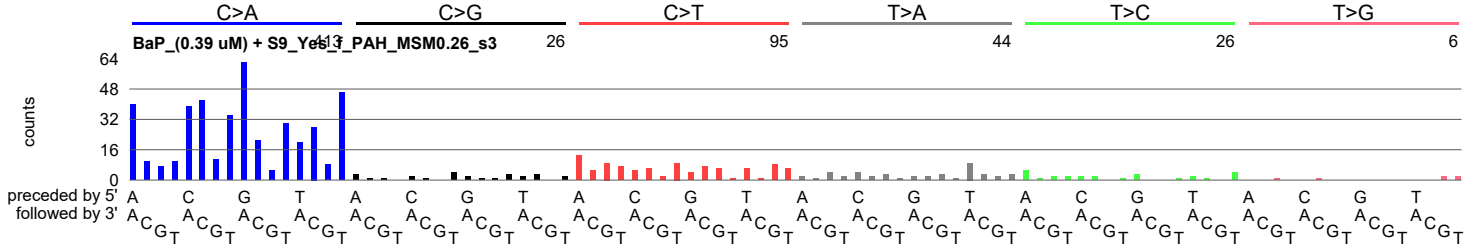

C>A
C>G
C>T
T>A
T>C
T>G
AZ20_(0.9375 uM)_No_k_DNA Damage Response Inhibitors_MSM0.85_s2
153
8
41
12
18
5
counts
preceded by 5'
followed by 3'

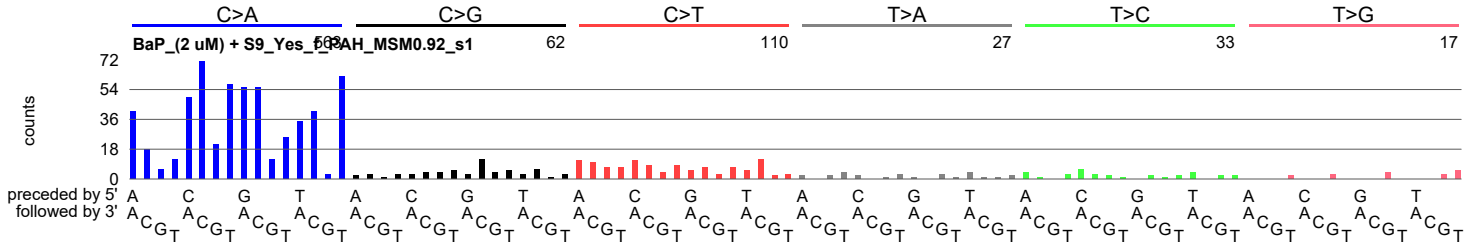

C>A
C>G
C>T
T>A
T>C
T>G
AZD7762_(1.625 uM)_No_k_DNA Damage Response Inhibitors_MSM0.84_s1
144
11
56
86
61
8
counts
preceded by 5'
followed by 3'

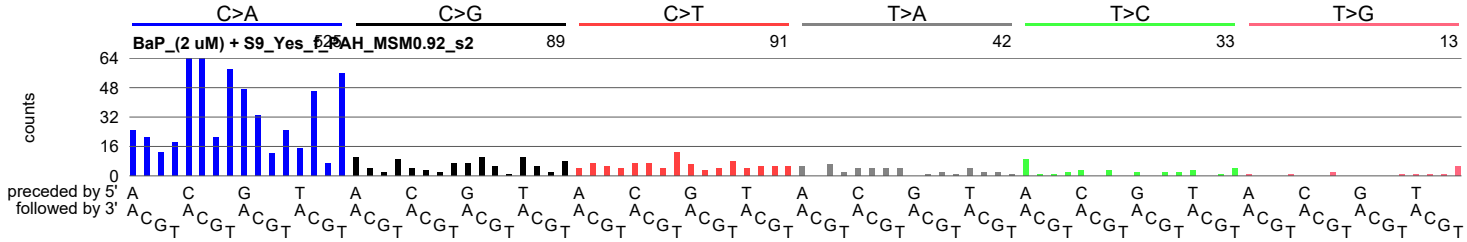

C>A
C>G
C>T
T>A
T>C
T>G
AZD7762_(1.625 uM)_No_k_DNA Damage Response Inhibitors_MSM0.84_s2
150
16
66
83
42
19
counts
preceded by 5'
followed by 3'

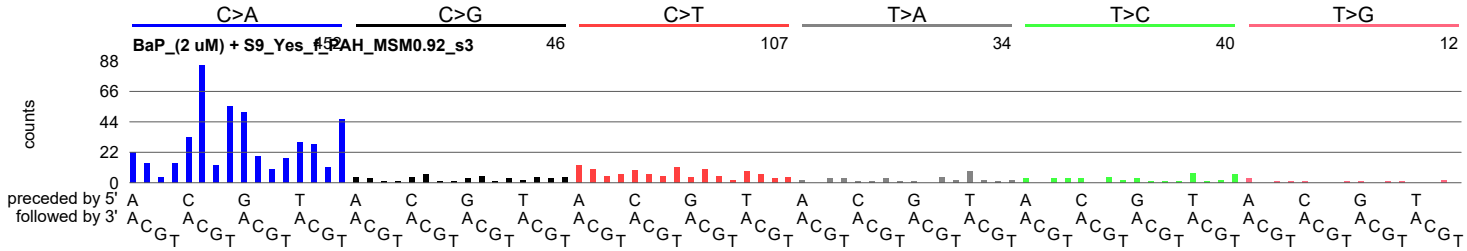

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(0.39 uM) + S9_Yes_f_PAH_MSM0.26_s1
136
45
98
17
26
10
counts
preceded by 5'
followed by 3'

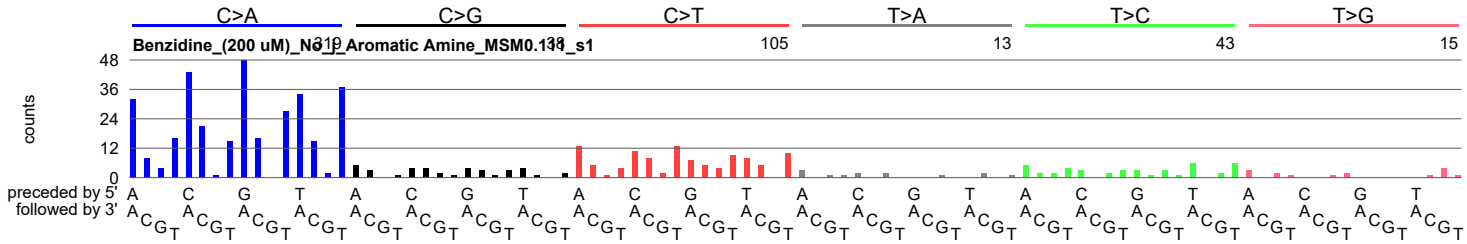

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(0.39 uM) + S9_Yes_f_PAH_MSM0.26_s2
112
44
122
33
36
13
counts
preceded by 5'
followed by 3'

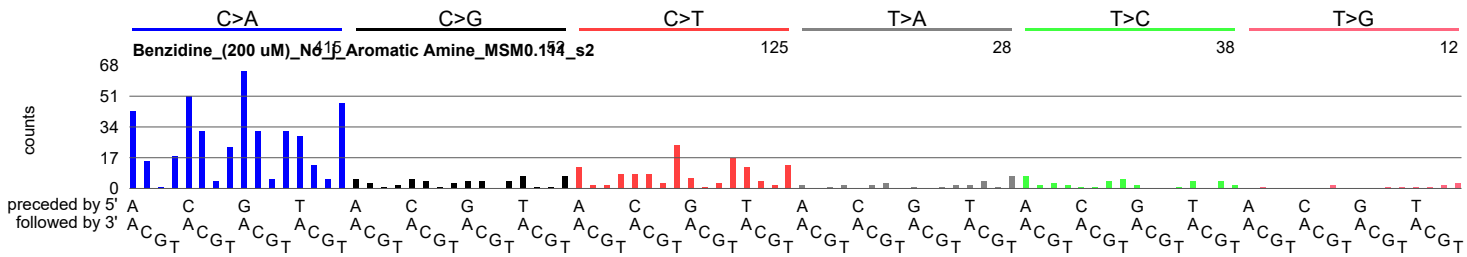

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(0.39 uM) + S9_Yes_f_PAH_MSM0.26_s3
113
26
95
44
26
6
counts
preceded by 5'
followed by 3'

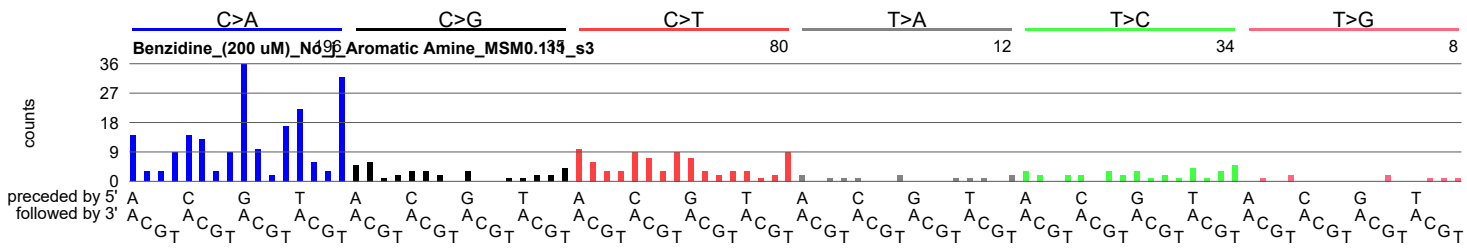

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(2 uM) + S9_Yes_f_PAH_MSM0.92_s1
63
62
110
27
33
17
counts
preceded by 5'
followed by 3'

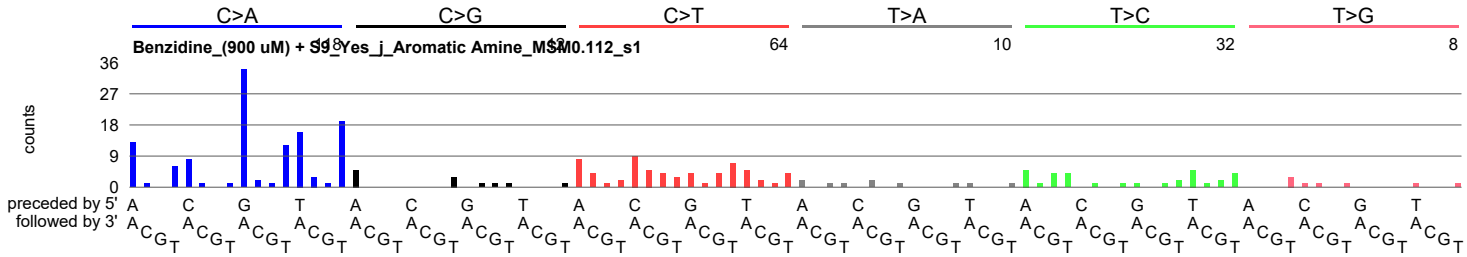

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(2 uM) + S9_Yes_f_PAH_MSM0.92_s2
89
91
42
33
13
counts
preceded by 5'
followed by 3'

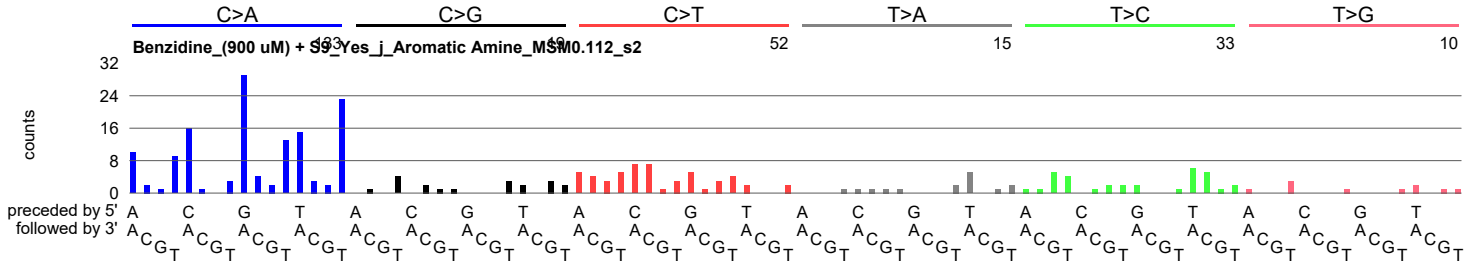

C>A
C>G
C>T
T>A
T>C
T>G
BaP_(2 uM) + S9_Yes_f_PAH_MSM0.92_s3
46
107
34
40
12
counts
preceded by 5'
followed by 3'

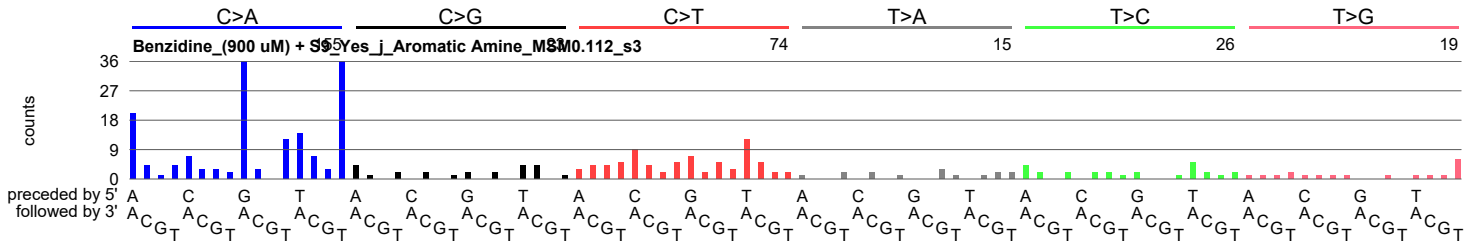

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(200 uM)_N6_Aromatic Amine_MSM0.138_s1
105
13
43
15
counts
preceded by 5'
followed by 3'

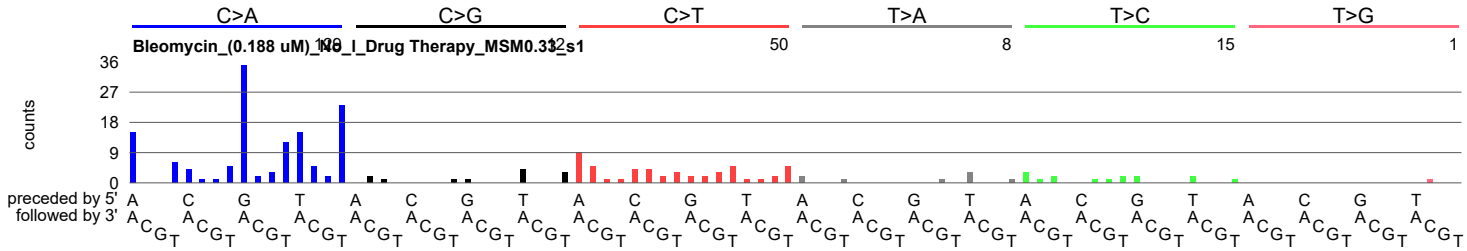

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(200 uM)_N6_Aromatic Amine_MSM0.138_s2
125
28
38
12
counts
preceded by 5'
followed by 3'

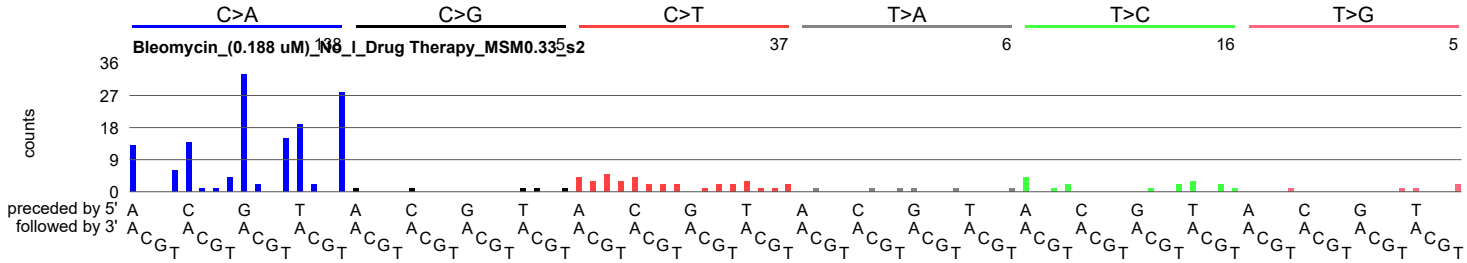

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(200 uM)_N6_Aromatic Amine_MSM0.138_s3
80
12
34
8
counts
preceded by 5'
followed by 3'

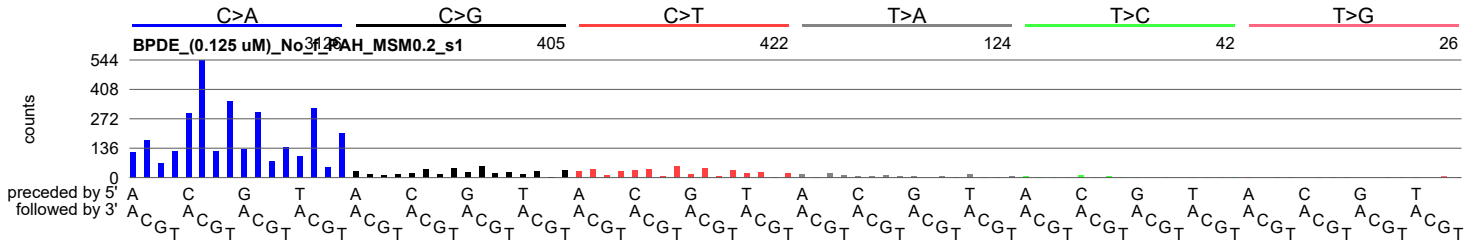

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(900 uM) + S9_Yes_j_Aromatic Amine_MSM0.112_s1
64
10
32
8
counts
preceded by 5'
followed by 3'

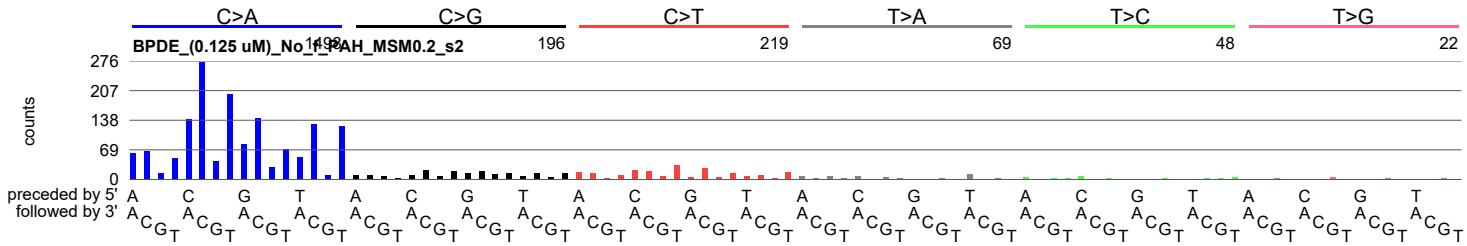

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(900 uM) + S9_Yes_j_Aromatic Amine_MSM0.112_s2
52
15
33
10
counts
preceded by 5'
followed by 3'

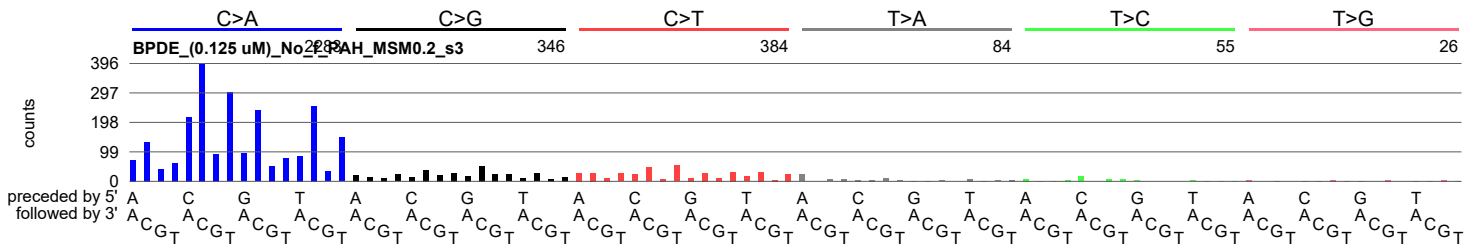

C>A
C>G
C>T
T>A
T>C
T>G
Benzidine_(900 uM) + S9_Yes_j_Aromatic Amine_MSM0.112_s3
74
15
26
19
counts
preceded by 5'
followed by 3'

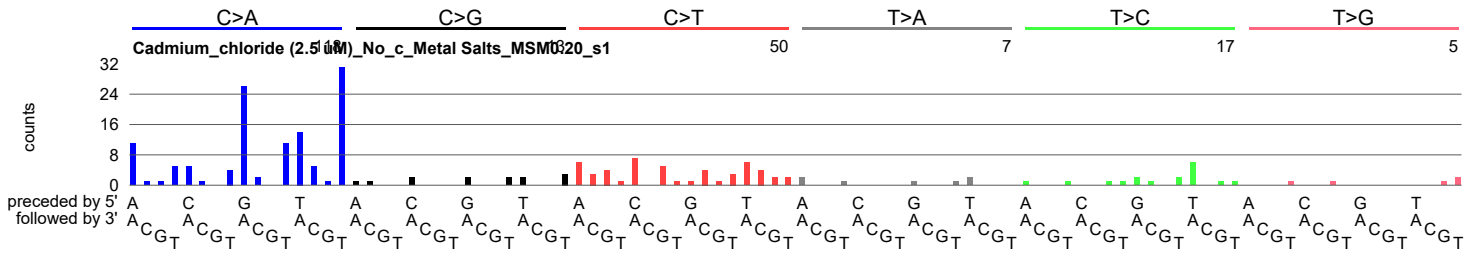

C>A
C>G
C>T
T>A
T>C
T>G
Bleomycin_(0.188 uM)_No_l_Drug Therapy_MSM0.332_s1
50
8
15
1
counts
preceded by 5'
followed by 3'

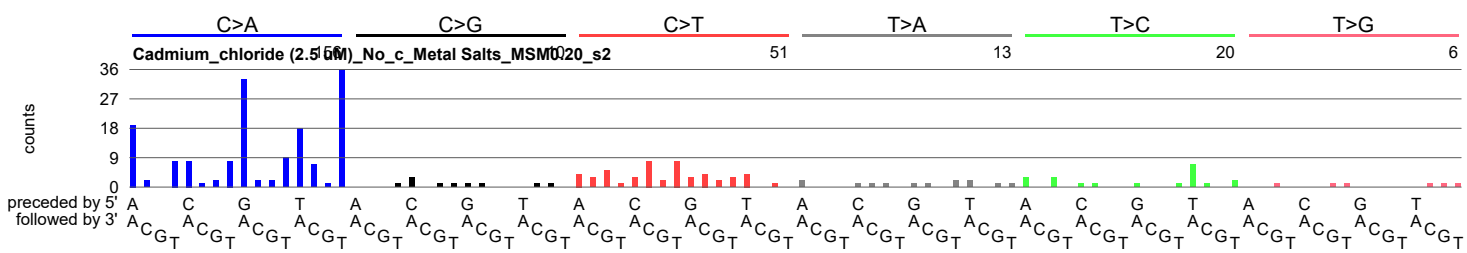

C>A
C>G
C>T
T>A
T>C
T>G
Bleomycin_(0.188 uM)_No_l_Drug Therapy_MSM0.335_s2
37
6
16
5
counts
preceded by 5'
followed by 3'

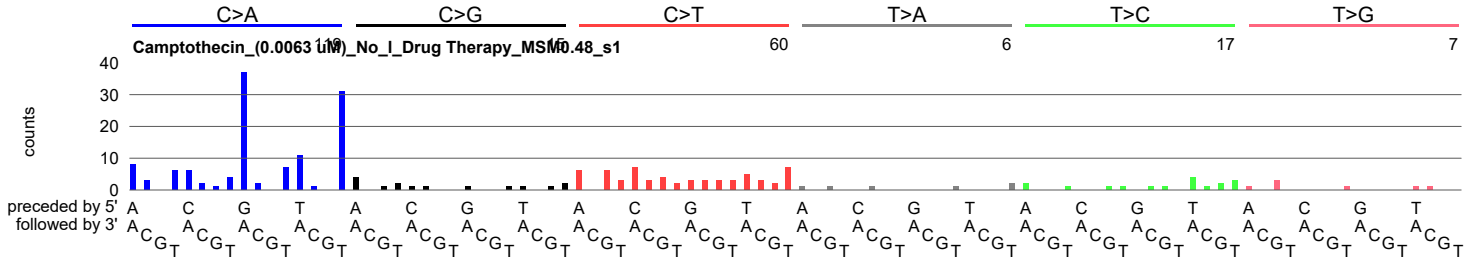

C>A
C>G
C>T
T>A
T>C
T>G
BPDE_(0.125 uM)_No_l_PAH_MSM0.2_s1
405
422
124
42
26
counts
preceded by 5'
followed by 3'

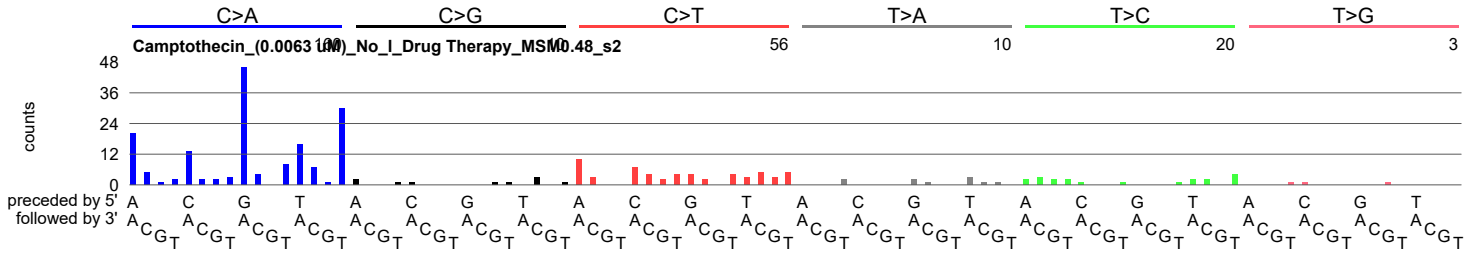

C>A
C>G
C>T
T>A
T>C
T>G
BPDE_(0.125 uM)_No_l_PAH_MSM0.2_s2
196
219
69
48
22
counts
preceded by 5'
followed by 3'

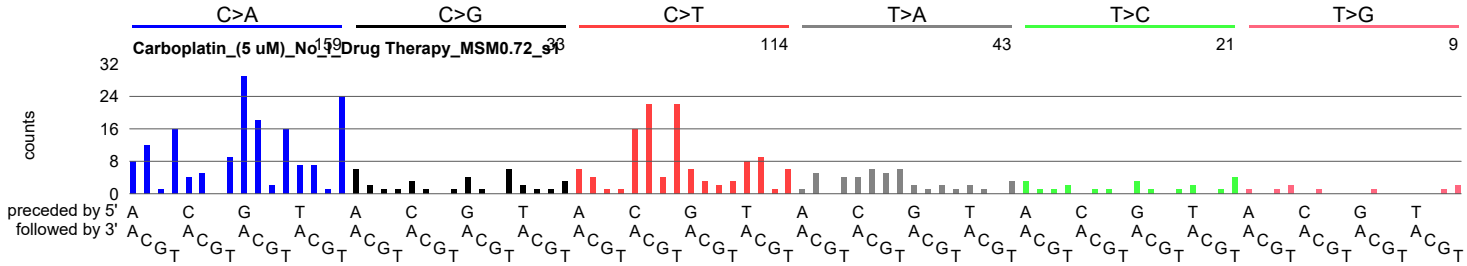

C>A
C>G
C>T
T>A
T>C
T>G
BPDE_(0.125 uM)_No_l_PAH_MSM0.2_s3
346
384
84
55
26
counts
preceded by 5'
followed by 3'

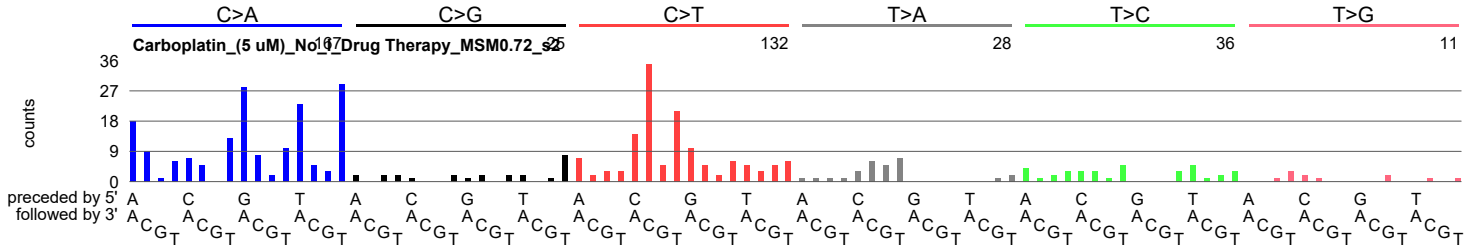

C>A
C>G
C>T
T>A
T>C
T>G
Cadmium_chloride (2.5 uM)_No_c_Metal Salts_MSM0.020_s1
50
7
17
5
counts
preceded by 5'
followed by 3'

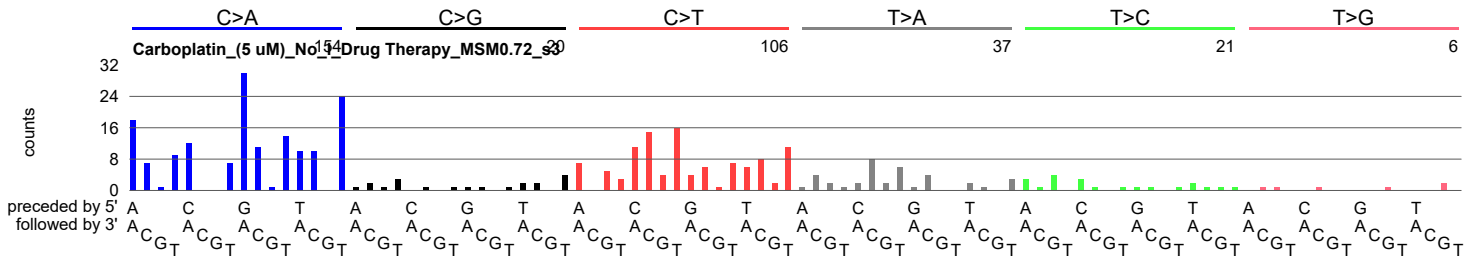

C>A
C>G
C>T
T>A
T>C
T>G
Cadmium_chloride (2.5 uM)_No_c_Metal Salts_MSM0.020_s2
51
13
20
6
counts
preceded by 5'
followed by 3'

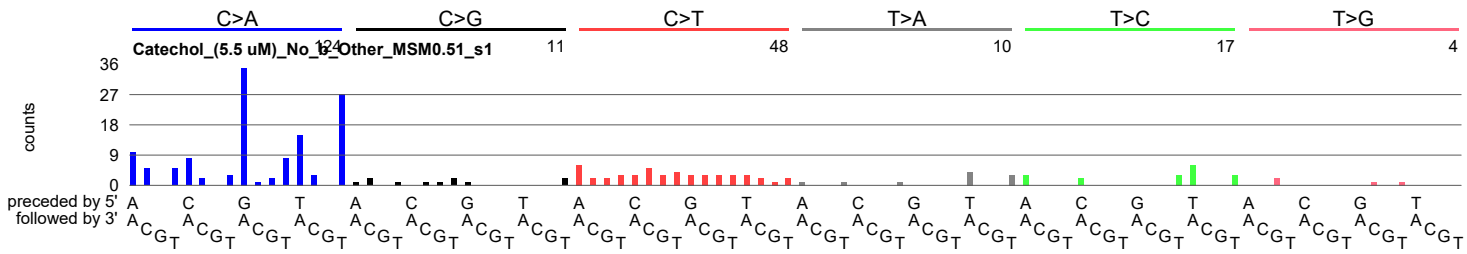

C>A
C>G
C>T
T>A
T>C
T>G
Camptothecin_(0.0063 uM)_No_I_Drug Therapy_MSM0.48_s1
60
6
17
7
counts
preceded by 5'
followed by 3'

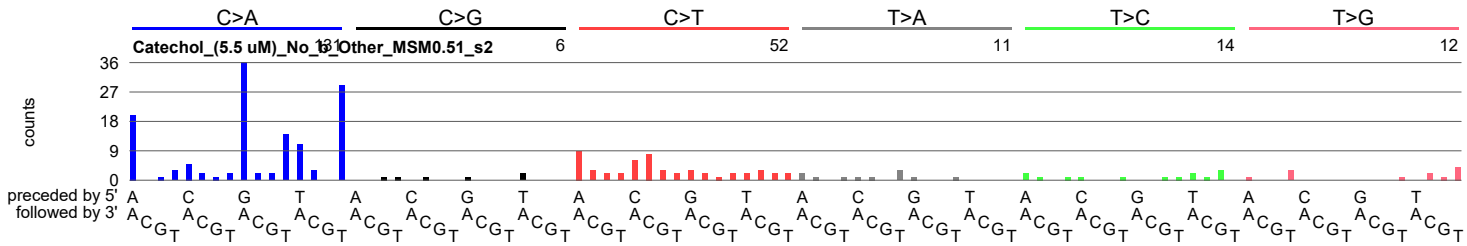

C>A
C>G
C>T
T>A
T>C
T>G
Camptothecin_(0.0063 uM)_No_I_Drug Therapy_MSM0.48_s2
56
10
20
3
counts
preceded by 5'
followed by 3'

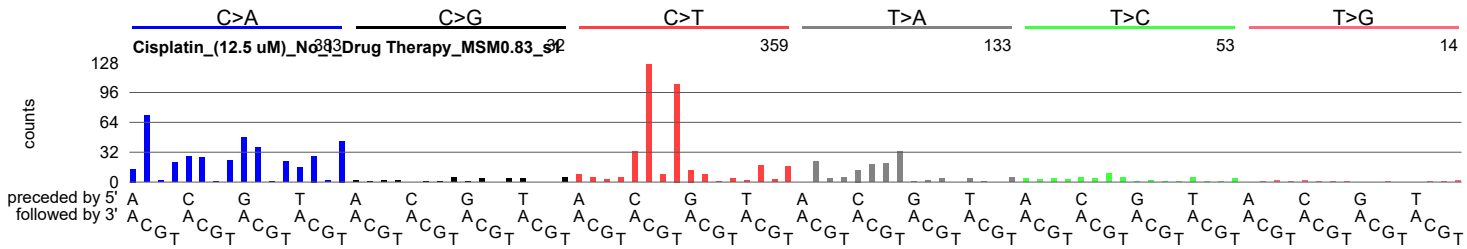

C>A
C>G
C>T
T>A
T>C
T>G
Carboplatin_(5 uM)_No_I_Drug Therapy_MSM0.72_s1
114
43
21
9
counts
preceded by 5'
followed by 3'

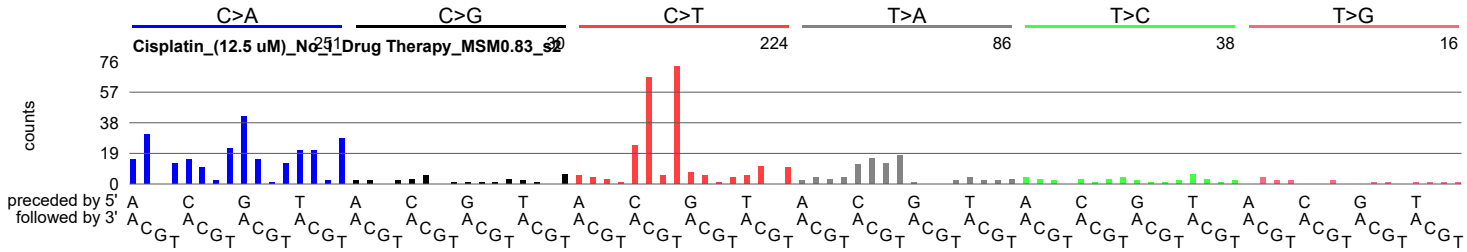

C>A
C>G
C>T
T>A
T>C
T>G
Carboplatin_(5 uM)_No_I_Drug Therapy_MSM0.72_s2
132
28
36
11
counts
preceded by 5'
followed by 3'

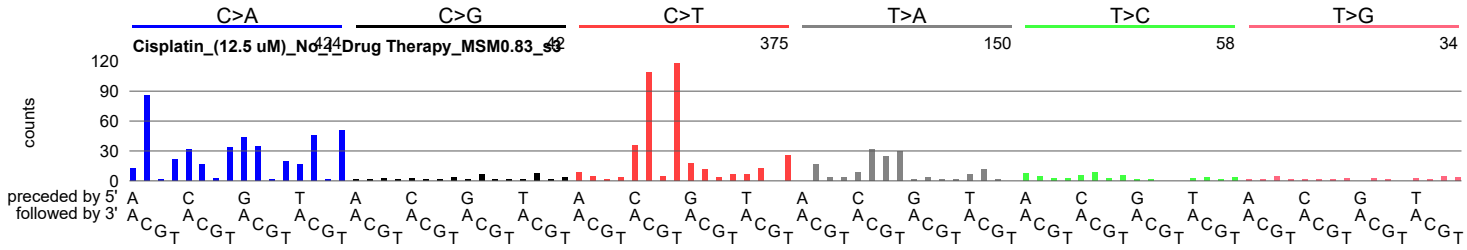

C>A
C>G
C>T
T>A
T>C
T>G
Carboplatin_(5 uM)_No_I_Drug Therapy_MSM0.72_s3
106
37
21
6
counts
preceded by 5'
followed by 3'

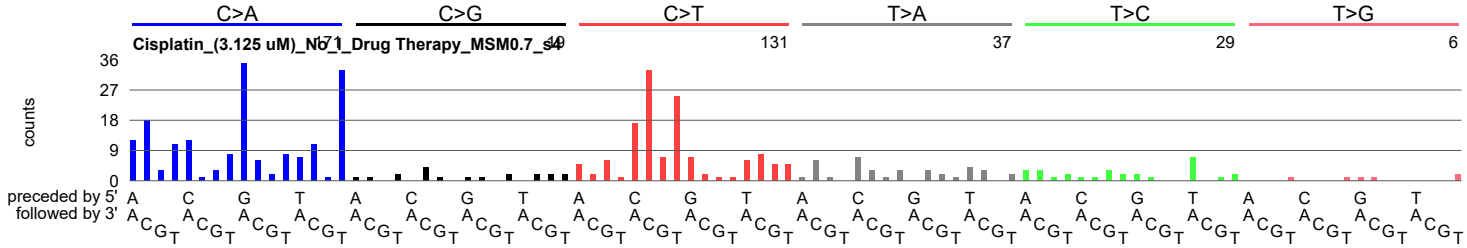

C>A
C>G
C>T
T>A
T>C
T>G
Catechol_(5.5 uM)_No_I_Other_MSM0.51_s1
11
48
10
17
4
counts
preceded by 5'
followed by 3'

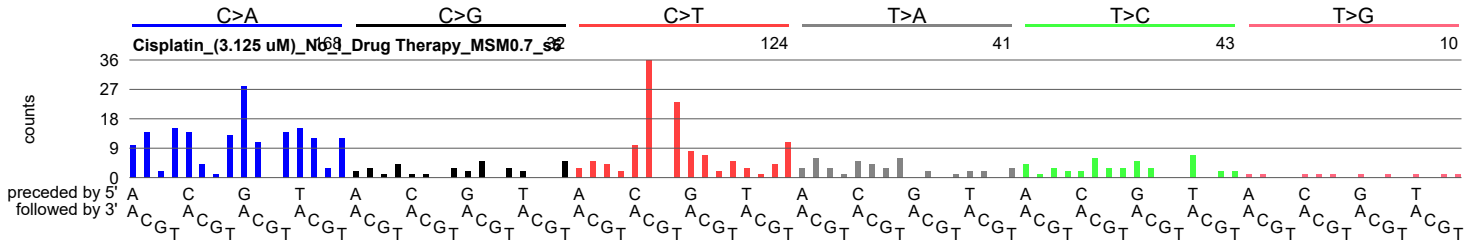

C>A
C>G
C>T
T>A
T>C
T>G
Catechol_(5.5 uM)_No_I_Other_MSM0.51_s2
6
52
11
14
12
counts
preceded by 5'
followed by 3'

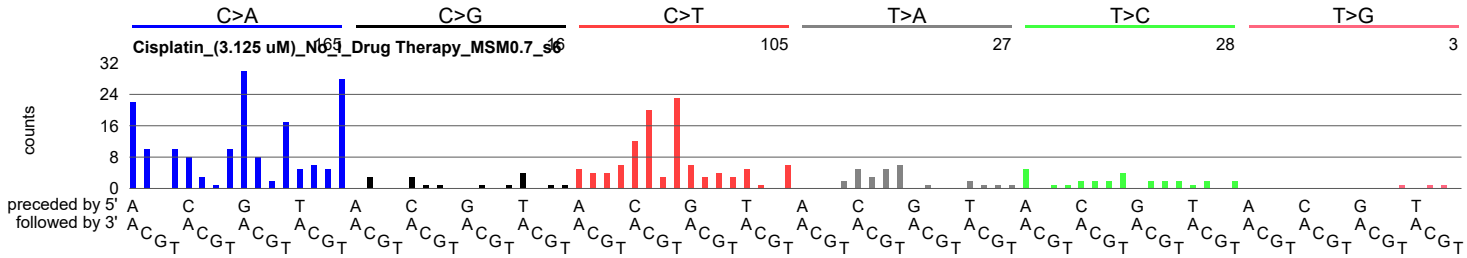

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(12.5 uM)_No_I_Drug Therapy_MSM0.83_s2
359
133
53
14
counts
preceded by 5'
followed by 3'

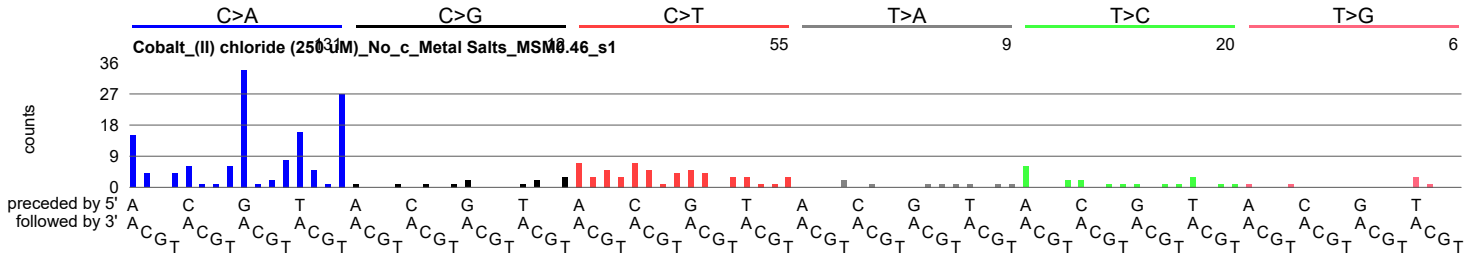

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(12.5 uM)_No_1_Drug Therapy_MSM0.83_s2
251
30
224
86
38
16
counts
preceded by 5'
followed by 3'

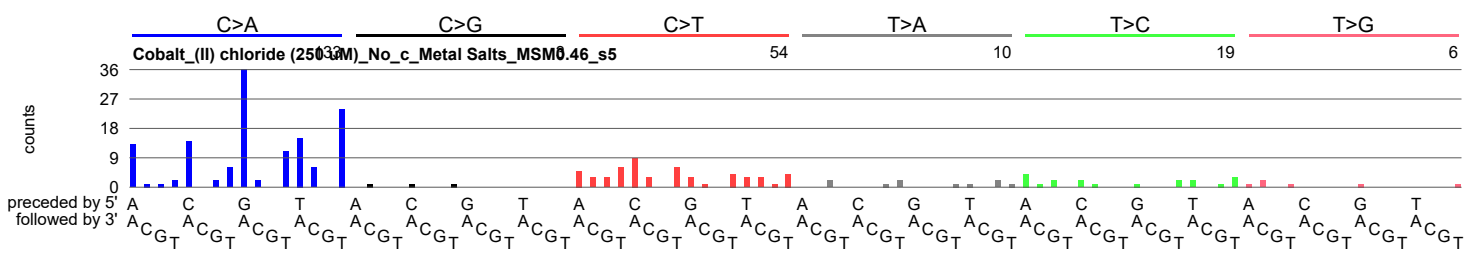

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(12.5 uM)_No_1_Drug Therapy_MSM0.83_s3
424
42
375
150
58
34
counts
preceded by 5'
followed by 3'

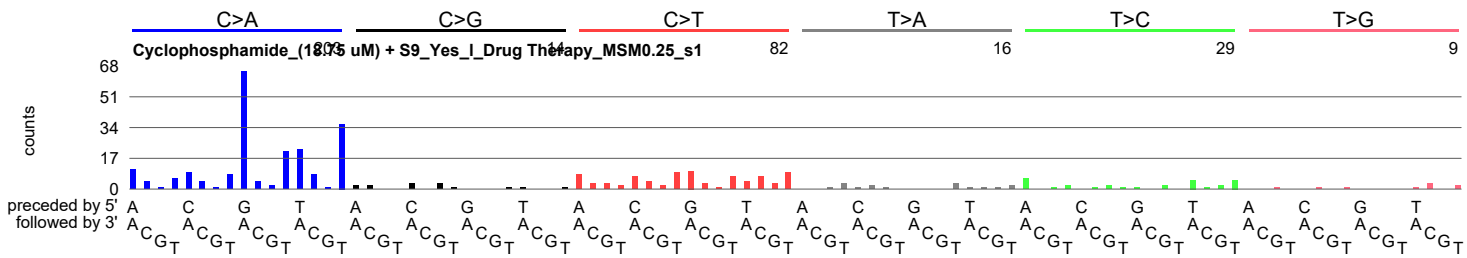

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(3.125 uM)_No_1_Drug Therapy_MSM0.7_s4
171
49
131
37
29
6
counts
preceded by 5'
followed by 3'

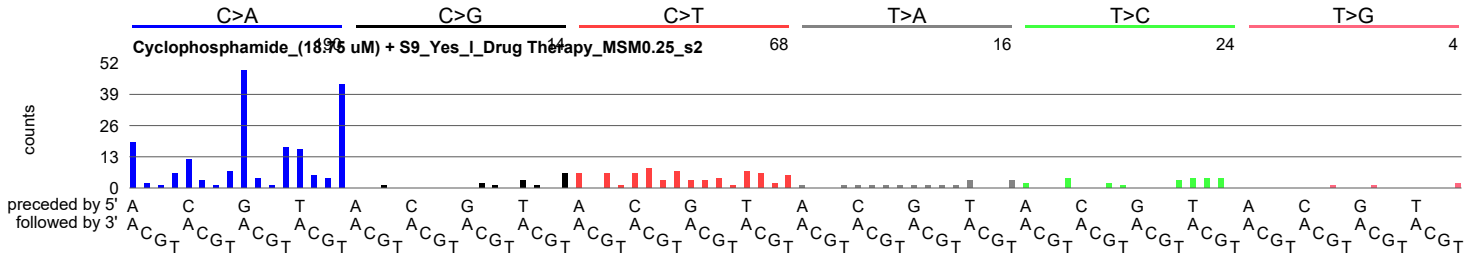

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(3.125 uM)_No_1_Drug Therapy_MSM0.7_s5
168
32
124
41
43
10
counts
preceded by 5'
followed by 3'

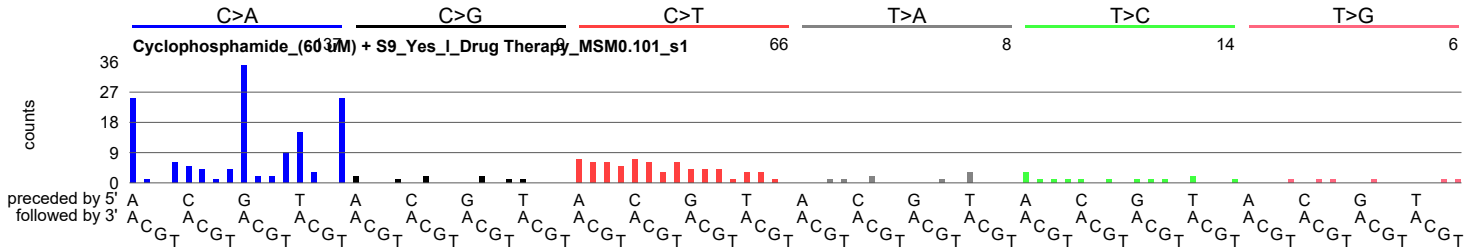

C>A
C>G
C>T
T>A
T>C
T>G
Cisplatin_(3.125 uM)_No_1_Drug Therapy_MSM0.7_s6
165
16
105
27
28
3
counts
preceded by 5'
followed by 3'

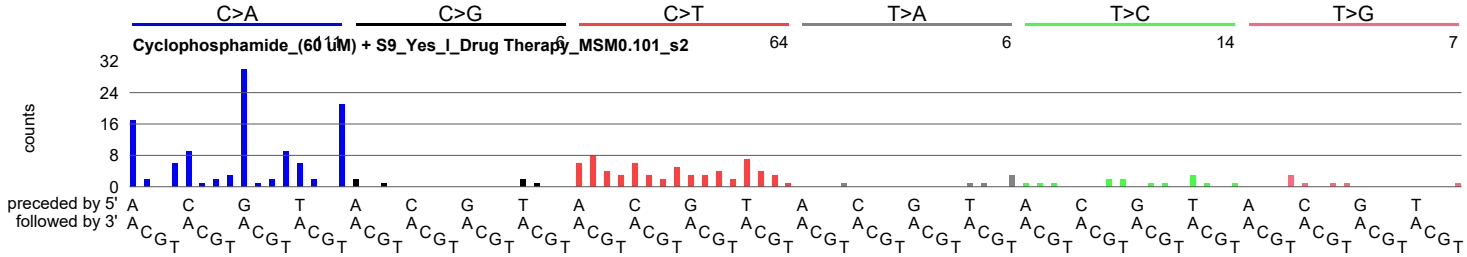

C>A
C>G
C>T
T>A
T>C
T>G
Cobalt_(II) chloride (250 uM)_No_c_Metal Salts_MSM0.46_s1
131
55
9
20
6
counts
preceded by 5'
followed by 3'

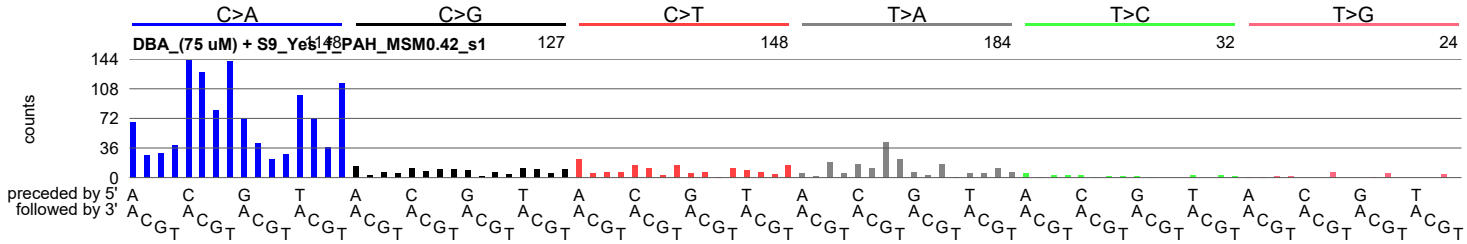

C>A
C>G
C>T
T>A
T>C
T>G
Cobalt_(II) chloride (250 uM)_No_c_Metal Salts_MSM0.46_s5
132
54
10
19
6
counts
preceded by 5'
followed by 3'

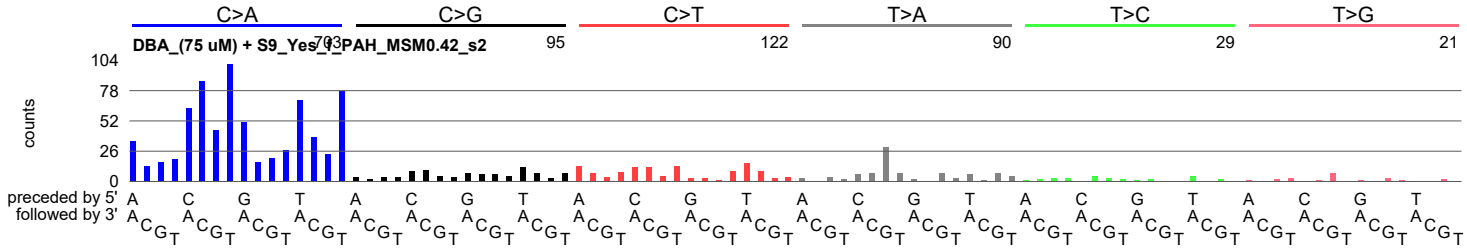

C>A
C>G
C>T
T>A
T>C
T>G
Cyclophosphamide_(18.75 uM) + S9_Yes_I_Drug Therapy_MSM0.25_s1
82
14
82
16
29
9
counts
preceded by 5'
followed by 3'

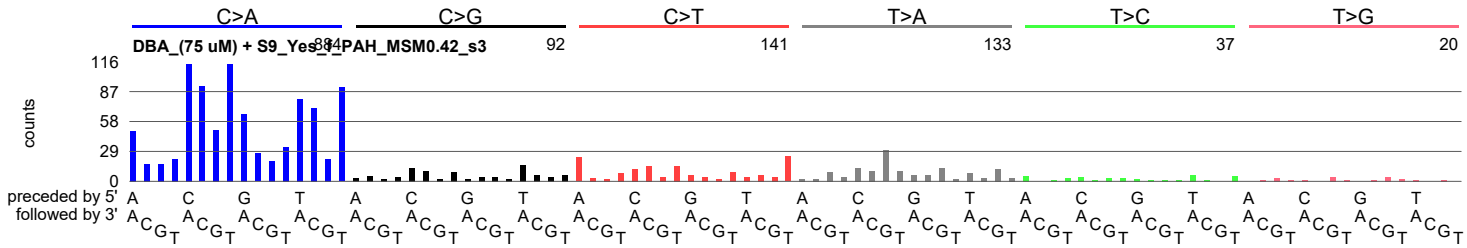

C>A
C>G
C>T
T>A
T>C
T>G
Cyclophosphamide_(15.75 uM) + S9_Yes_I_Drug Therapy_MSM0.25_s2
196
14
68
16
24
4
counts
preceded by 5'
followed by 3'

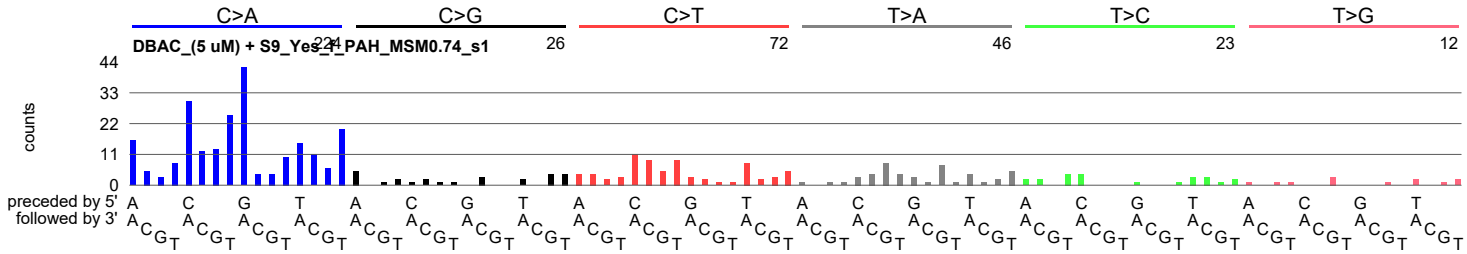

C>A
C>G
C>T
T>A
T>C
T>G
Cyclophosphamide_(60 uM) + S9_Yes_I_Drug Therapy_MSM0.101_s1
137
9
66
8
14
6
counts
preceded by 5'
followed by 3'

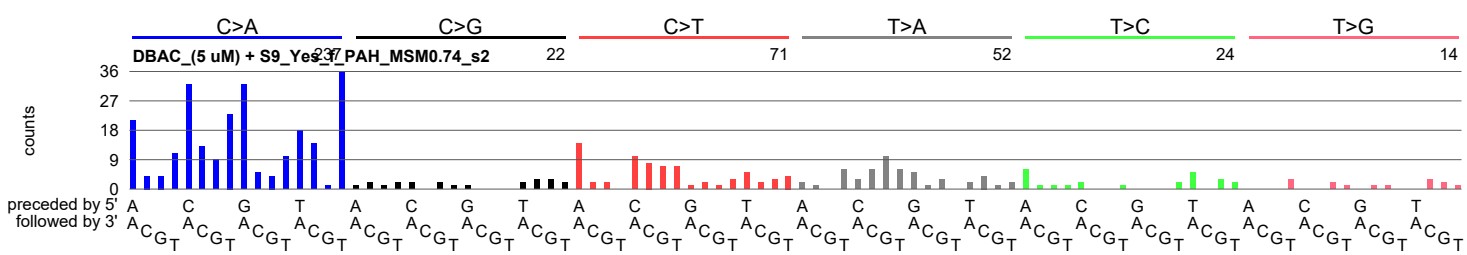

C>A
C>G
C>T
T>A
T>C
T>G
Cyclophosphamide_(60 uM) + S9_Yes_I_Drug Therapy_MSM0.101_s2
111
6
64
6
14
7
counts
preceded by 5'
followed by 3'

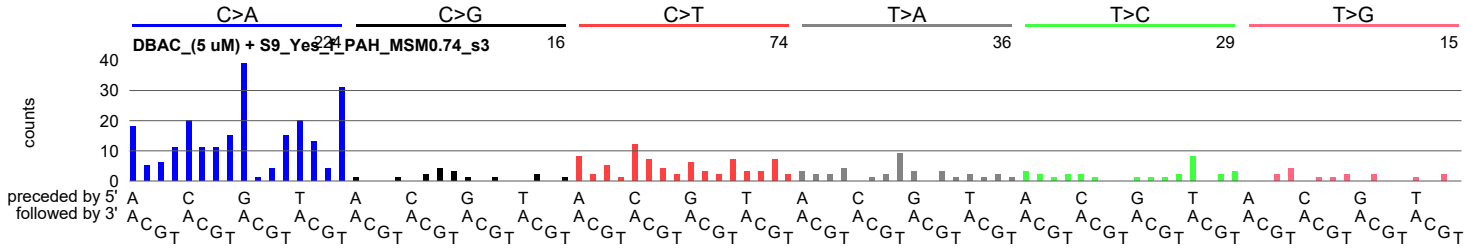

C>A
C>G
C>T
T>A
T>C
T>G
DBA_(75 uM) + S9_Yes_I_PAH_MSM0.42_s1
148
127
148
184
32
24
counts
preceded by 5'
followed by 3'

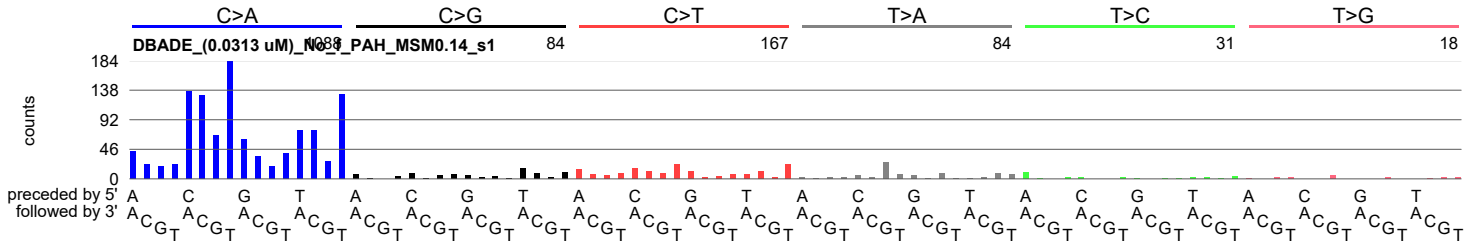

C>A
C>G
C>T
T>A
T>C
T>G
DBA_(75 uM) + S9_Yes_I_PAH_MSM0.42_s2
103
95
122
90
29
21
counts
preceded by 5'
followed by 3'

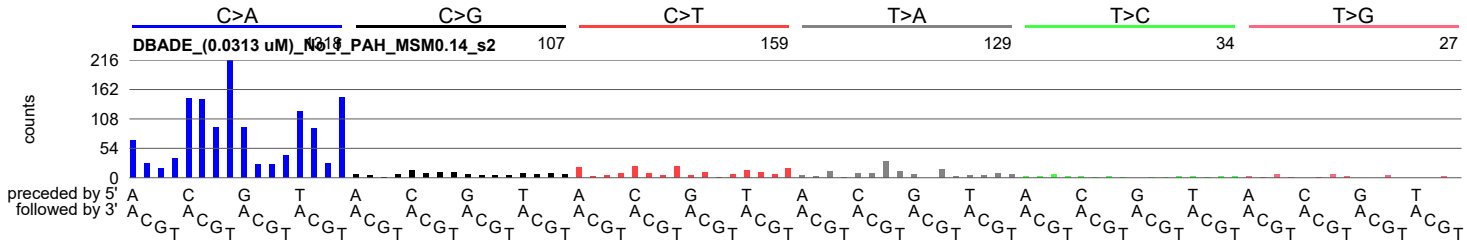

C>A
C>G
C>T
T>A
T>C
T>G
DBA_(75 uM) + S9_Yes_I_PAH_MSM0.42_s3
84
92
141
133
37
20
counts
preceded by 5'
followed by 3'

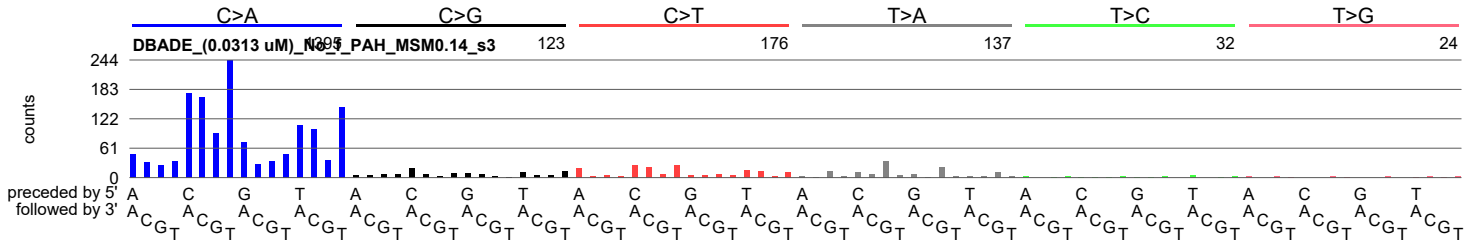

C>A
C>G
C>T
T>A
T>C
T>G
DBAC_(5 uM) + S9_Yes_I_PAH_MSM0.74_s1
24
26
72
46
23
12
counts
preceded by 5'
followed by 3'

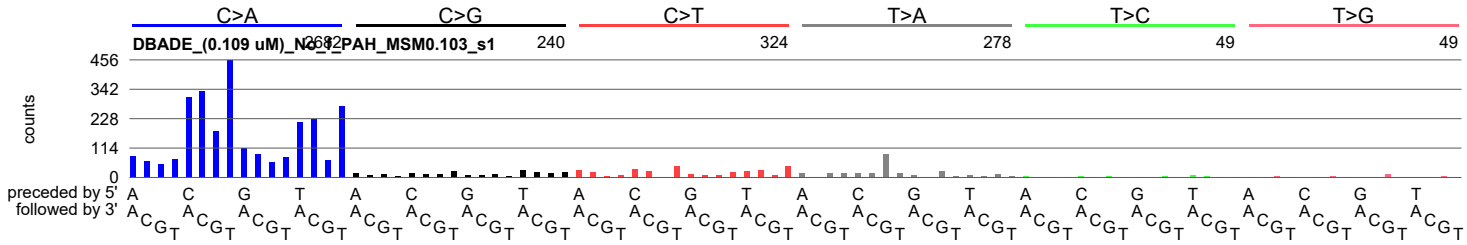

C>A
C>G
C>T
T>A
T>C
T>G
DBAC_(5 uM) + S9_Yes_I_PAH_MSM0.74_s2
37
22
71
52
24
14
counts
preceded by 5'
followed by 3'

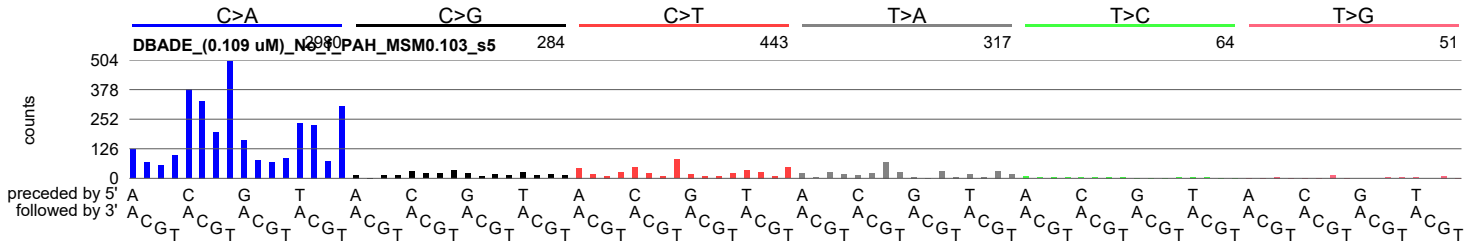

C>A
C>G
C>T
T>A
T>C
T>G
DBAC_(5 uM) + S9_Yes_f_PAH_MSM0.74_s3
224
16
74
36
29
15
counts
preceded by 5'
followed by 3'

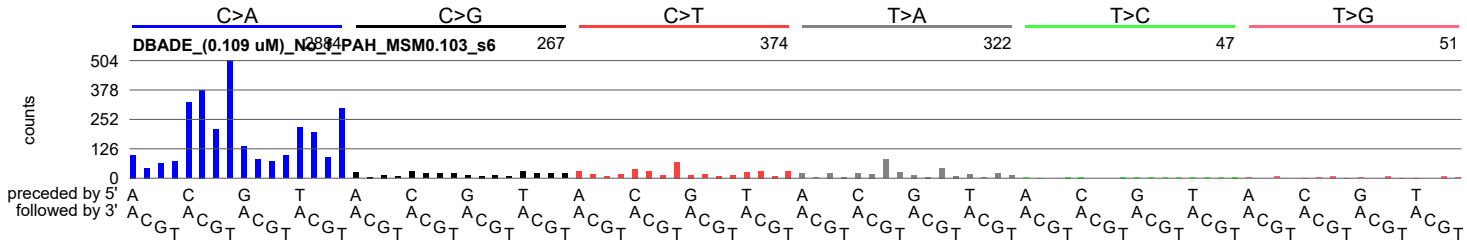

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.0313 uM)_No_f_PAH_MSM0.14_s1
1038
84
167
84
31
18
counts
preceded by 5'
followed by 3'

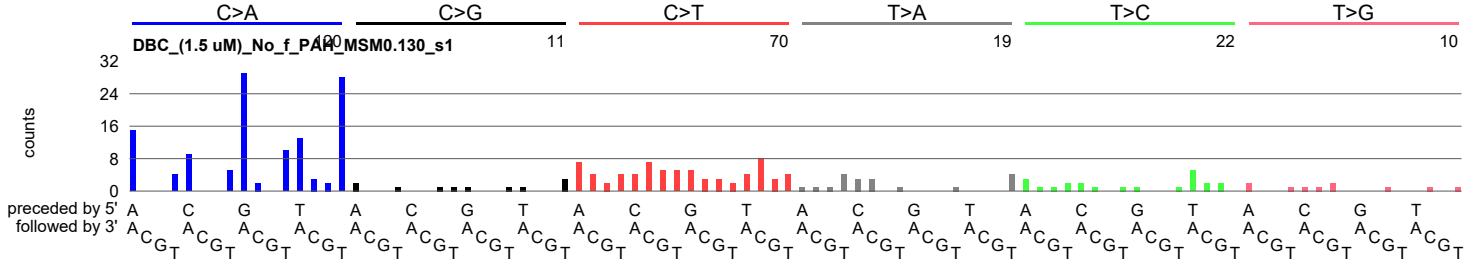

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.0313 uM)_No_f_PAH_MSM0.14_s2
1318
107
159
129
34
27
counts
preceded by 5'
followed by 3'

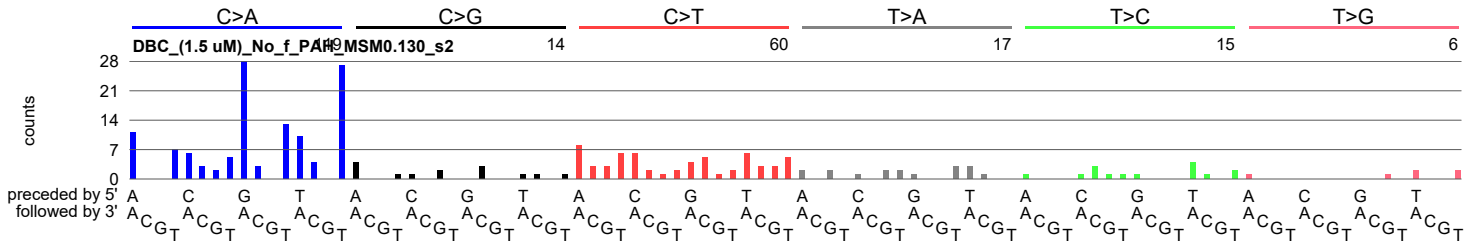

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.0313 uM)_No_f_PAH_MSM0.14_s3
1395
123
176
137
32
24
counts
preceded by 5'
followed by 3'

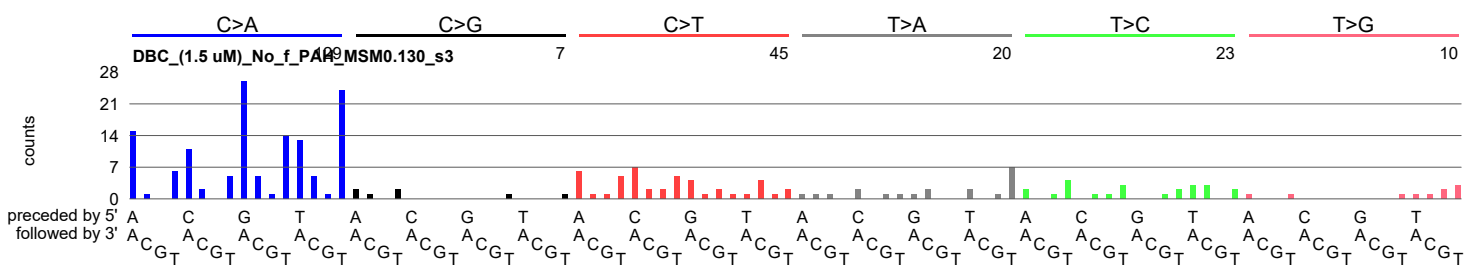

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.109 uM)_No_f_PAH_MSM0.103_s1
2682
240
324
278
49
49
counts
preceded by 5'
followed by 3'

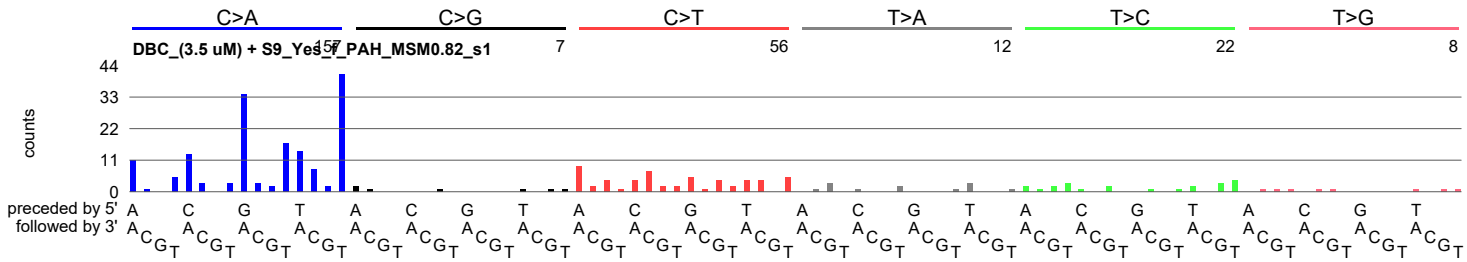

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.109 uM)_No_f_PAH_MSM0.103_s5
2980
284
443
317
64
51
counts
preceded by 5'
followed by 3'

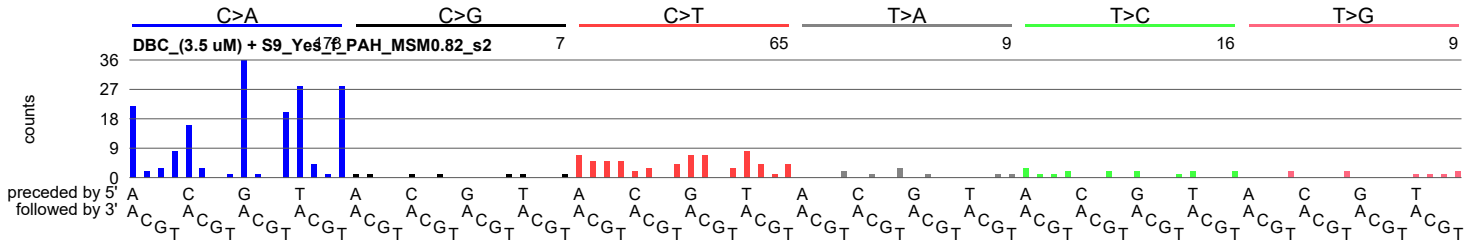

C>A
C>G
C>T
T>A
T>C
T>G
DBADE_(0.109 uM)_No_f_PAH_MSM0.103_s6
2834
267
374
322
47
51
counts
preceded by 5'
followed by 3'

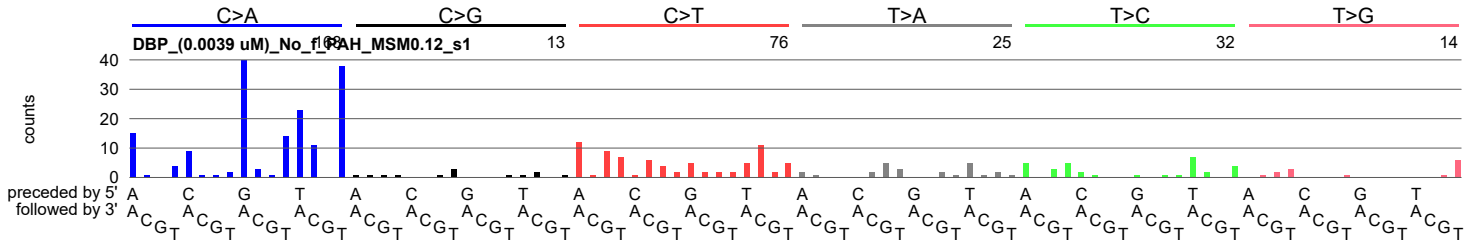

C>A
C>G
C>T
T>A
T>C
T>G
DBC_(1.5 uM)_No_f_PAH_MSM0.130_s1
100
11
70
19
22
10
counts
preceded by 5'
followed by 3'

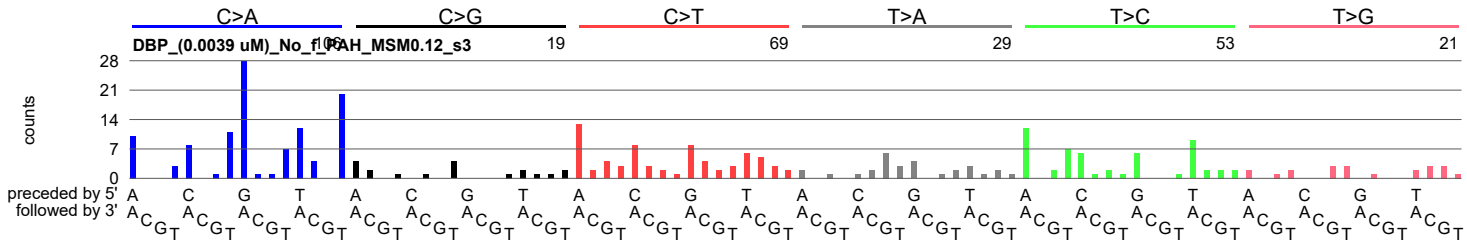

C>A
C>G
C>T
T>A
T>C
T>G
DBC_(1.5 uM)_No_f_PAH_MSM0.130_s2
149
14
60
17
15
6
counts
preceded by 5'
followed by 3'

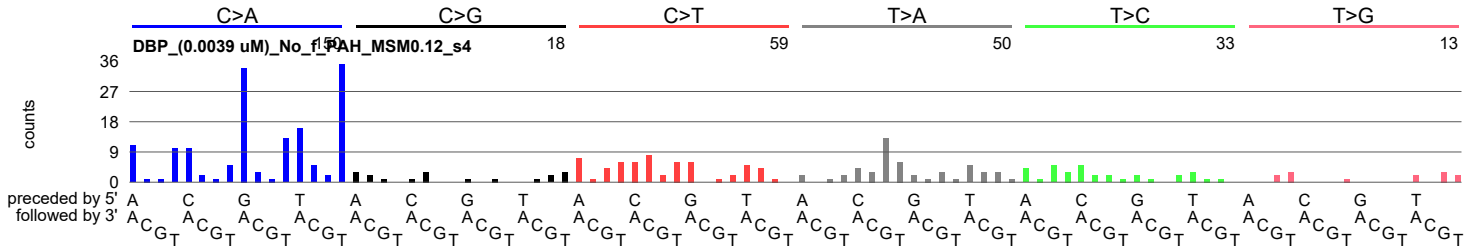

C>A
C>G
C>T
T>A
T>C
T>G
DBC_(1.5 uM)_No_f_PAH_MSM0.130_s3
149
7
45
20
23
10
counts
preceded by 5'
followed by 3'

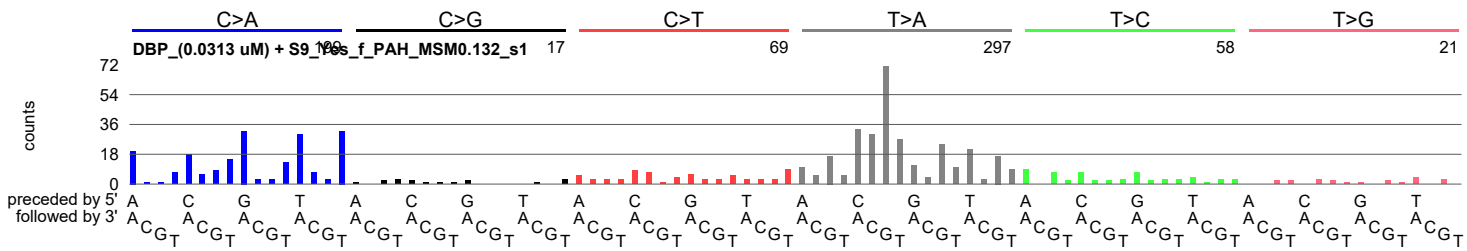

C>A
C>G
C>T
T>A
T>C
T>G
DBC_(3.5 uM) + S9_Yes_f_PAH_MSM0.82_s1
157
7
56
12
22
8
counts
preceded by 5'
followed by 3'

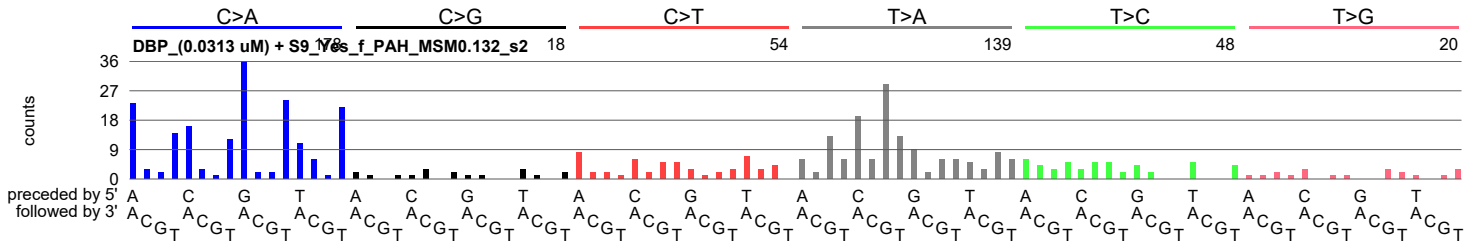

C>A
C>G
C>T
T>A
T>C
T>G
DBC_(3.5 uM) + S9_Yes_f_PAH_MSM0.82_s2
176
7
65
9
16
9
counts
preceded by 5'
followed by 3'

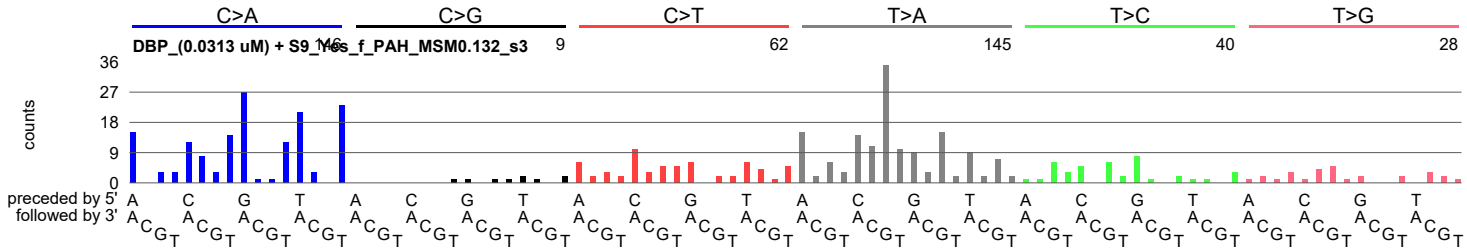

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0039 uM)_No_f_PAH_MSM0.12_s1
168
13
76
25
32
14
counts
preceded by 5'
followed by 3'

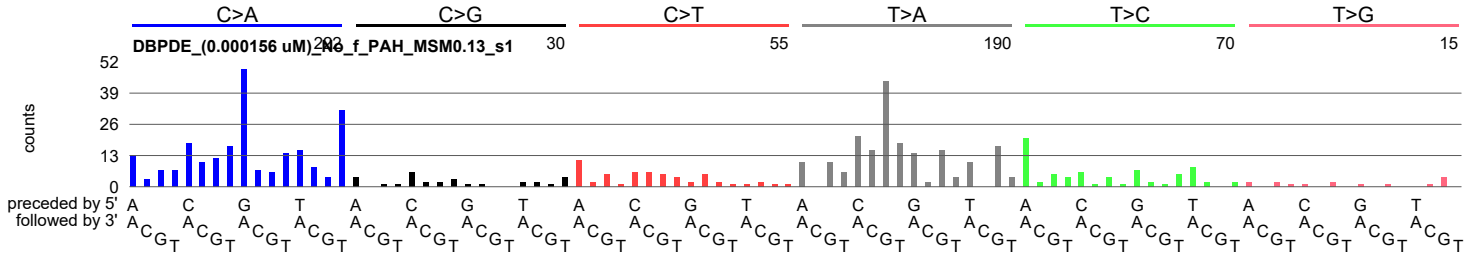

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0039 uM)_No_f_PAH_MSM0.12_s3
166
19
69
29
53
21
counts
preceded by 5'
followed by 3'

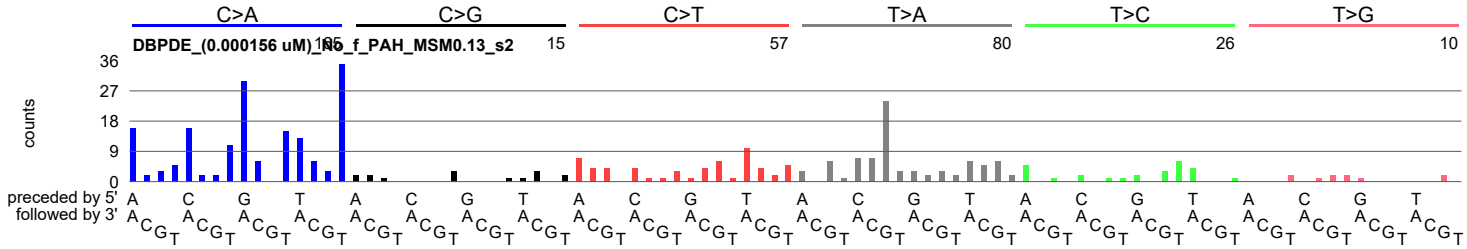

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0039 uM)_No_f_PAH_MSM0.12_s4
150
18
59
50
33
13
counts
preceded by 5'
followed by 3'

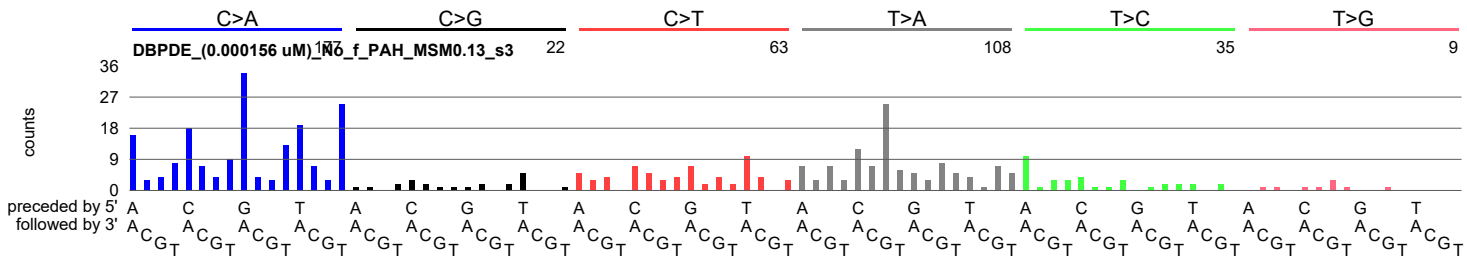

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0313 uM) + S9_Yes_f_PAH_MSM0.132_s1
169
17
69
297
58
21
counts
preceded by 5'
followed by 3'

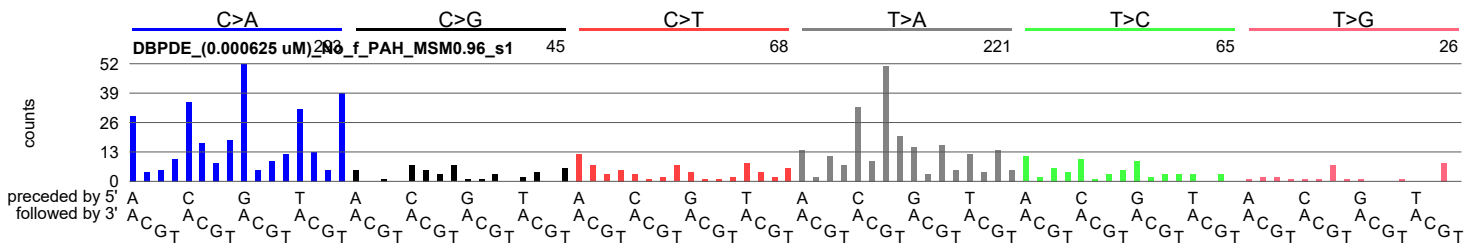

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0313 uM) + S9_Yes_f_PAH_MSM0.132_s2
178
18
54
139
48
20
counts
preceded by 5'
followed by 3'

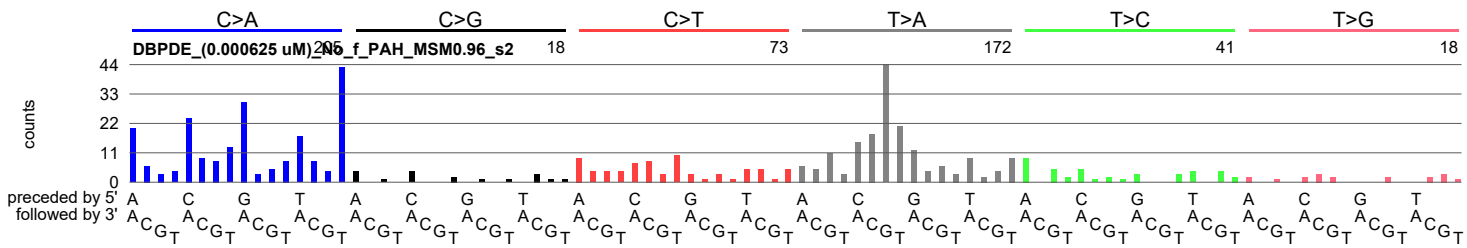

C>A
C>G
C>T
T>A
T>C
T>G
DBP_(0.0313 uM) + S9_Yes_f_PAH_MSM0.132_s3
146
9
62
145
40
28
counts
preceded by 5'
followed by 3'

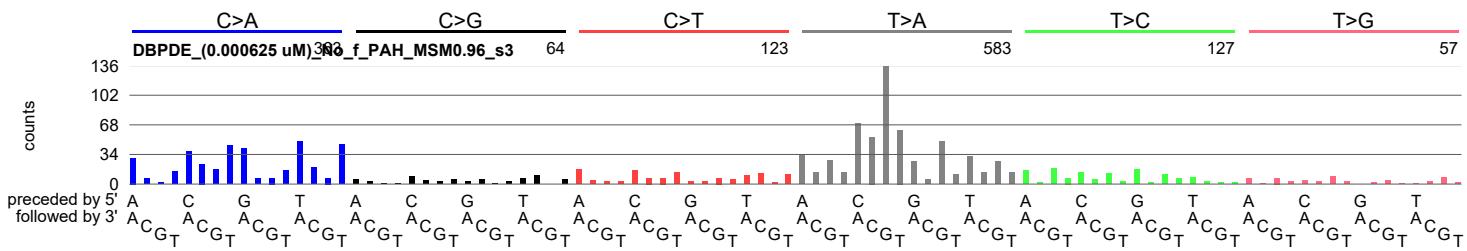

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000156 uM)_No_f_PAH_MSM0.13_s1
202
30
55
190
70
15
counts
preceded by 5'
followed by 3'

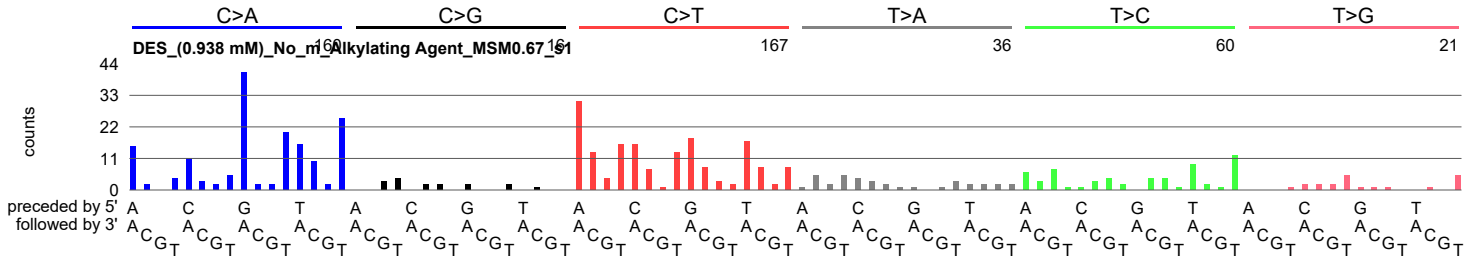

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000156 uM)_No_f_PAH_MSM0.13_s2
185
15
57
80
26
10
counts
preceded by 5'
followed by 3'

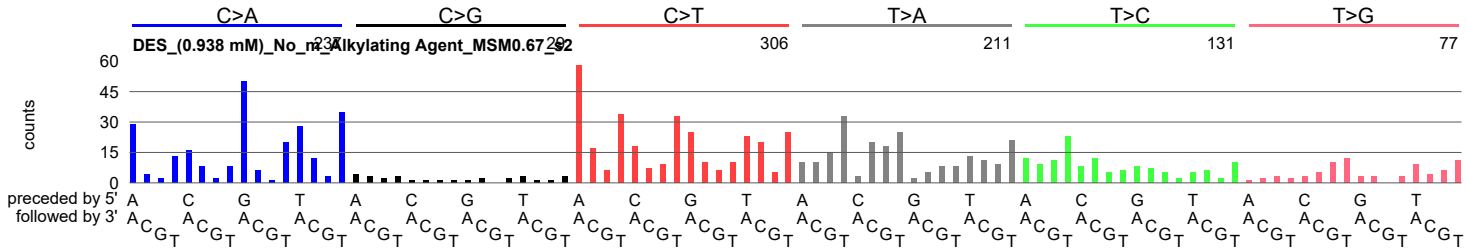

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000156 uM)_No_f_PAH_MSM0.13_s3
177
22
63
108
35
9
counts
preceded by 5'
followed by 3'

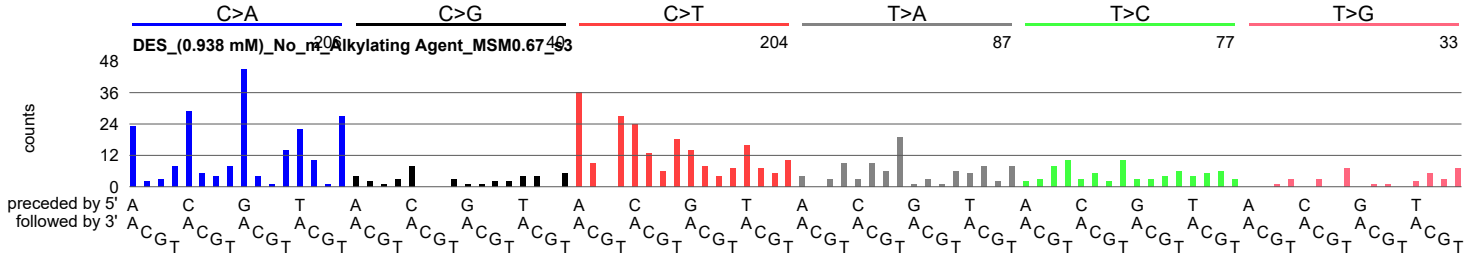

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000625 uM)_No_f_PAH_MSM0.96_s1
202
45
68
221
65
26
counts
preceded by 5'
followed by 3'

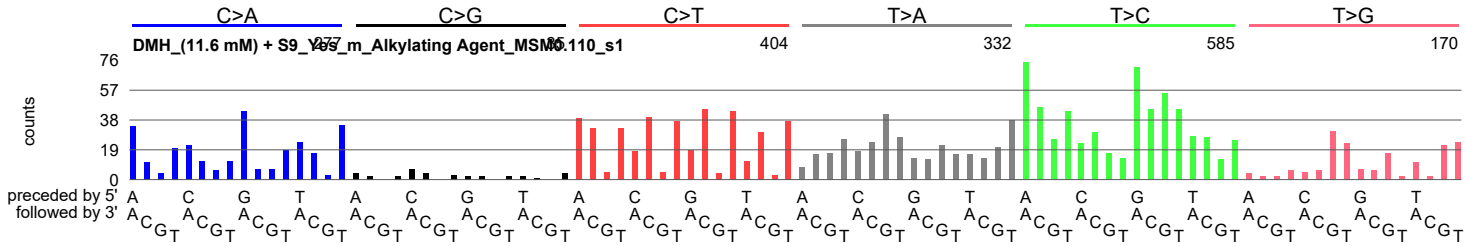

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000625 uM)_No_f_PAH_MSM0.96_s2
205
18
73
172
41
18
counts
preceded by 5'
followed by 3'

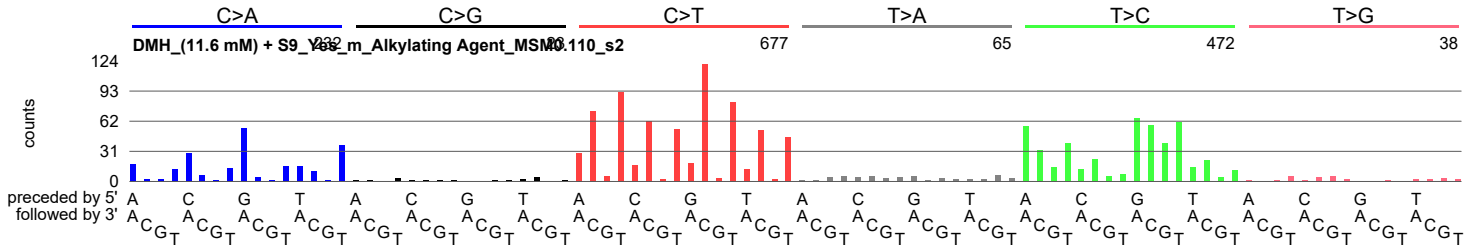

C>A
C>G
C>T
T>A
T>C
T>G
DBPDE_(0.000625 uM)_No_f_PAH_MSM0.96_s3
302
64
123
583
127
57
counts
preceded by 5'
followed by 3'

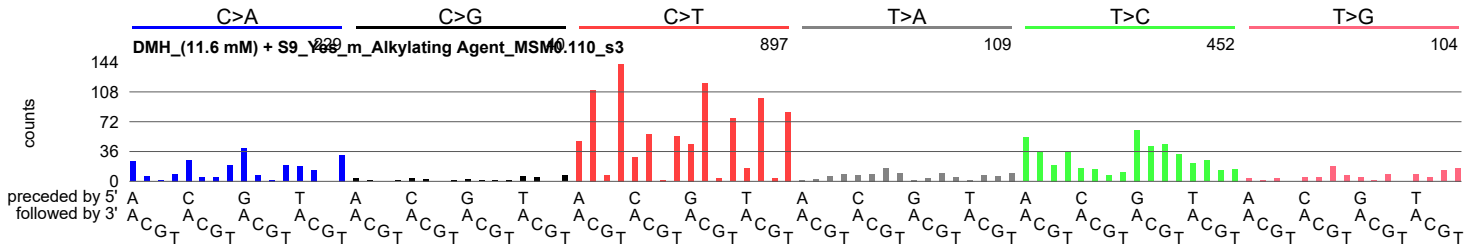

C>A
C>G
C>T
T>A
T>C
T>G
DES_(0.938 mM)_No_m_Alkylating Agent_MSM0.67_s1
160
19
167
36
60
21
counts
preceded by 5'
followed by 3'

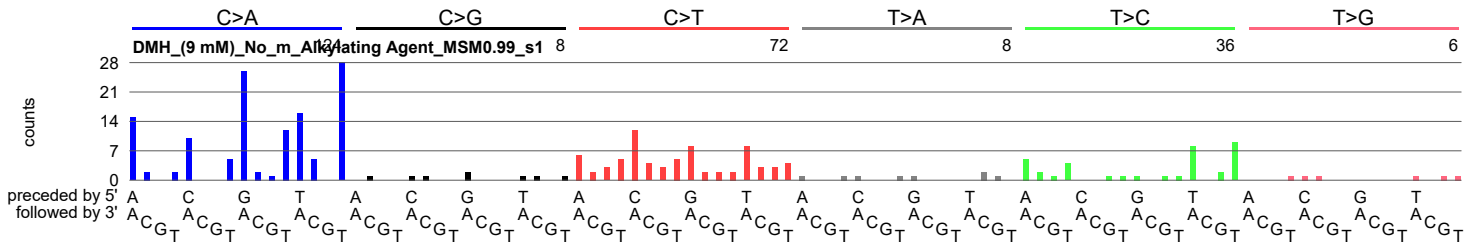

C>A
C>G
C>T
T>A
T>C
T>G
DES_(0.938 mM)_No_m_Alkylating Agent_MSM0.67_s2
237
29
306
211
131
77
counts
preceded by 5'
followed by 3'

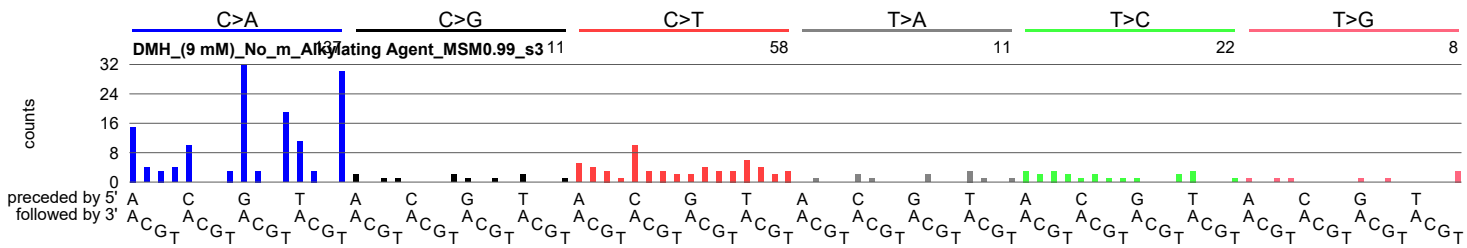

C>A
C>G
C>T
T>A
T>C
T>G
DES_(0.938 mM)_No_m_Alkylating Agent_MSM0.67_s3
206
49
204
87
77
33
counts
preceded by 5'
followed by 3'

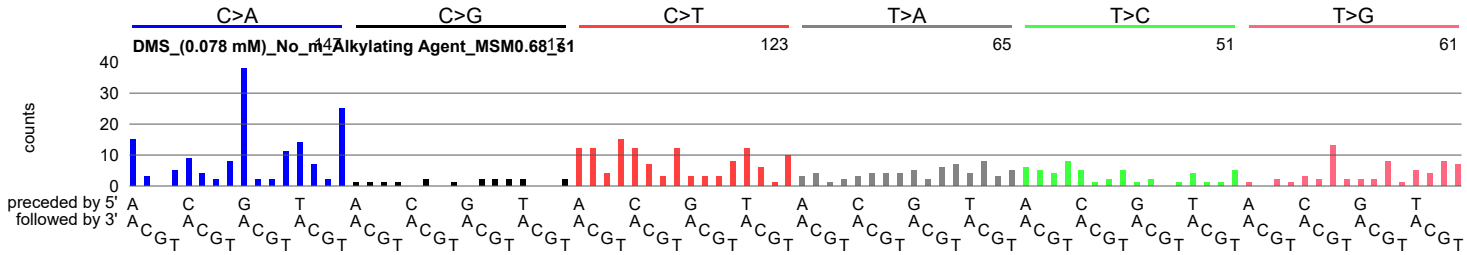

C>A
C>G
C>T
T>A
T>C
T>G
DMH_(11.6 mM) + S9_Yes_m_Alkylating Agent_MSM0.110_s1
277
95
404
332
585
170
counts
preceded by 5'
followed by 3'

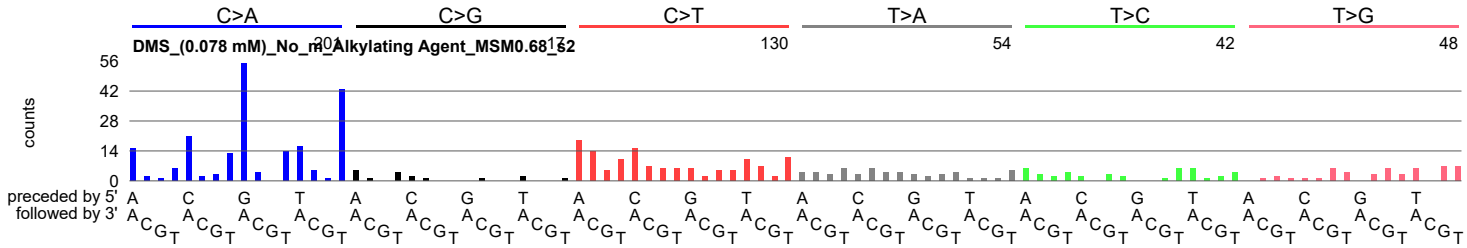

C>A
C>G
C>T
T>A
T>C
T>G
DMH_(11.6 mM) + S9_Yes_m_Alkylating Agent_MSM0.110_s2
232
80
677
65
472
38
counts
preceded by 5'
followed by 3'

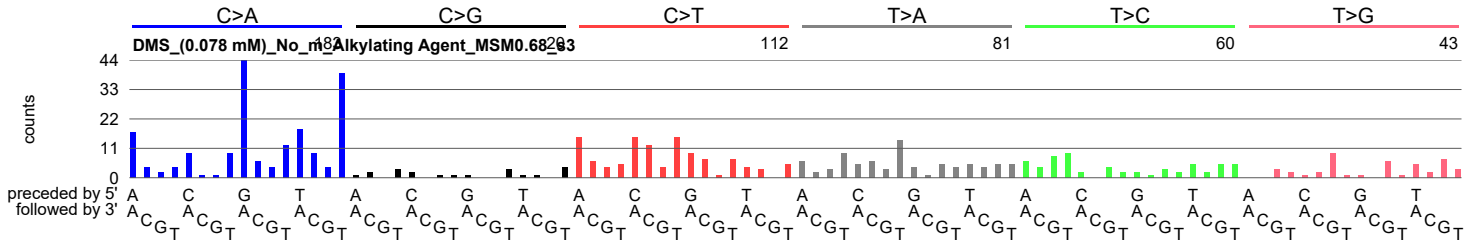

C>A
C>G
C>T
T>A
T>C
T>G
DMH_(11.6 mM) + S9_Yes_m_Alkylating Agent_MSM0.110_s3
229
40
897
109
452
104
counts
preceded by 5'
followed by 3'

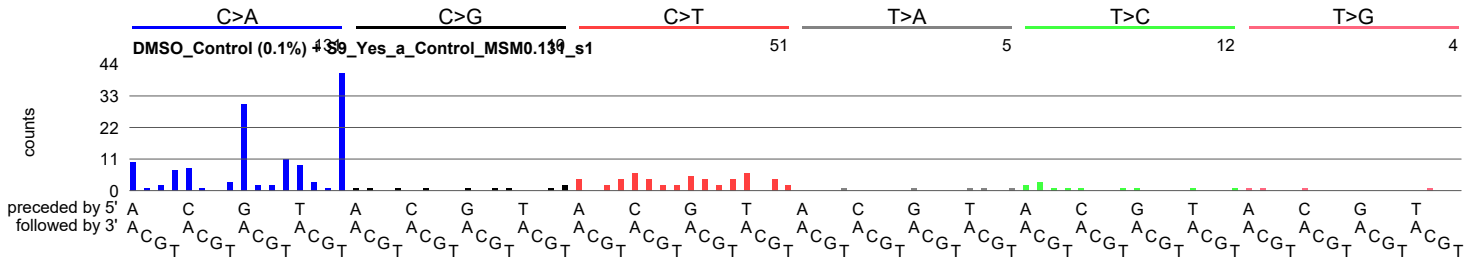

C>A
C>G
C>T
T>A
T>C
T>G
DMH_(9 mM)_No_m_Alkylating Agent_MSM0.99_s1
124
8
72
8
36
6
counts
preceded by 5'
followed by 3'

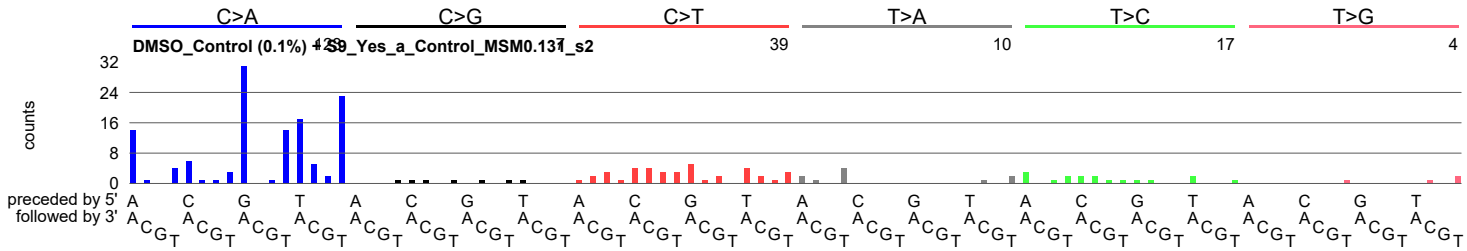

C>A
C>G
C>T
T>A
T>C
T>G
DMH_(9 mM)_No_m_Alkylating Agent_MSM0.99_s3
137
11
58
11
22
8
counts
preceded by 5'
followed by 3'

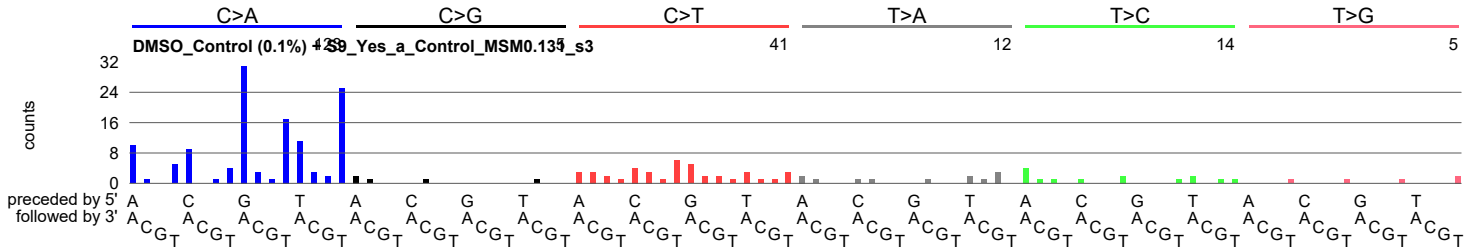

C>A
C>G
C>T
T>A
T>C
T>G
DMS_(0.078 mm)_No_m_Alkylating Agent_MSM0.68_s1
147
123
65
51
61
counts
preceded by 5'
followed by 3'

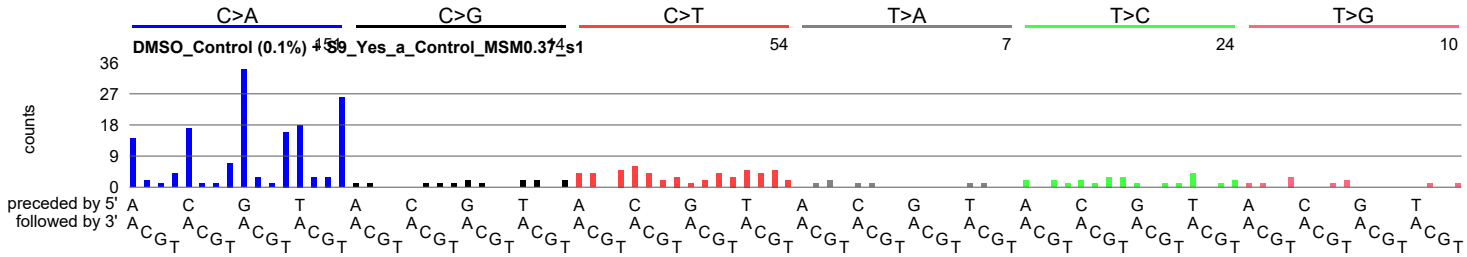

C>A
C>G
C>T
T>A
T>C
T>G
DMS_(0.078 mm)_No_m_Alkylating Agent_MSM0.68_s2
201
130
54
42
48
counts
preceded by 5'
followed by 3'

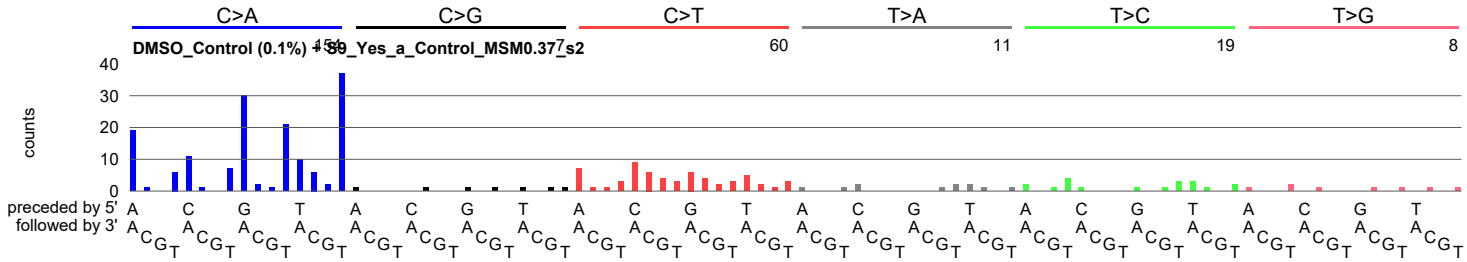

C>A
C>G
C>T
T>A
T>C
T>G
DMS_(0.078 mm)_No_m_Alkylating Agent_MSM0.68_s3
182
112
81
60
43
counts
preceded by 5'
followed by 3'

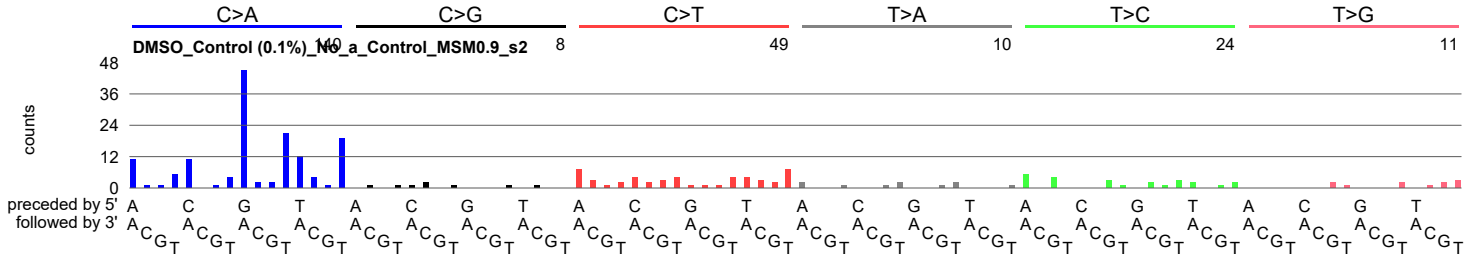

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%) + 59_Yes_a_Control_MSM0.137_s1
51
5
12
4
counts
preceded by 5'
followed by 3'

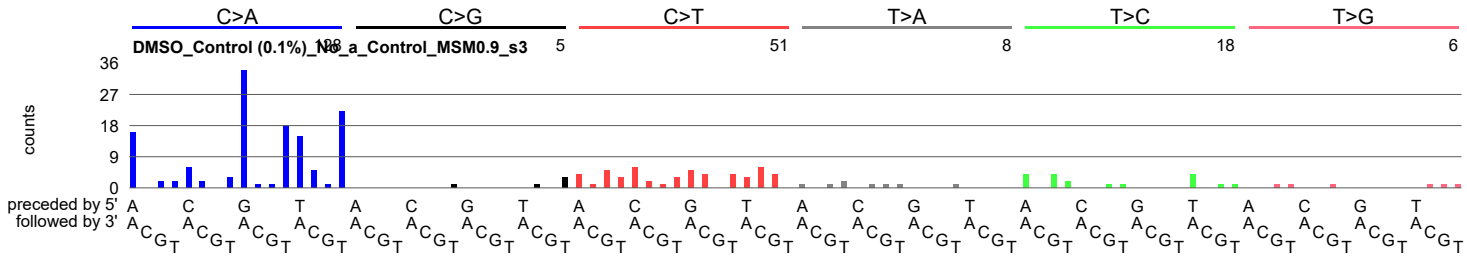

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%) + 59_Yes_a_Control_MSM0.137_s2
39
10
17
4
counts
preceded by 5'
followed by 3'

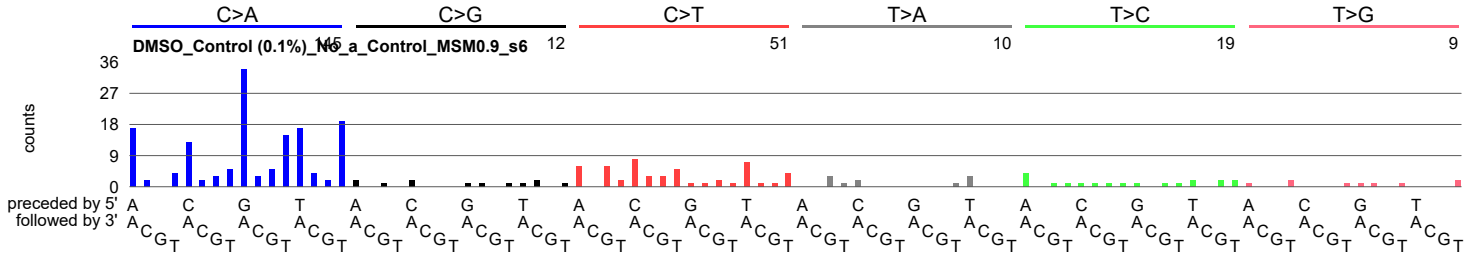

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%) + 59_Yes_a_Control_MSM0.137_s3
41
12
14
5
counts
preceded by 5'
followed by 3'

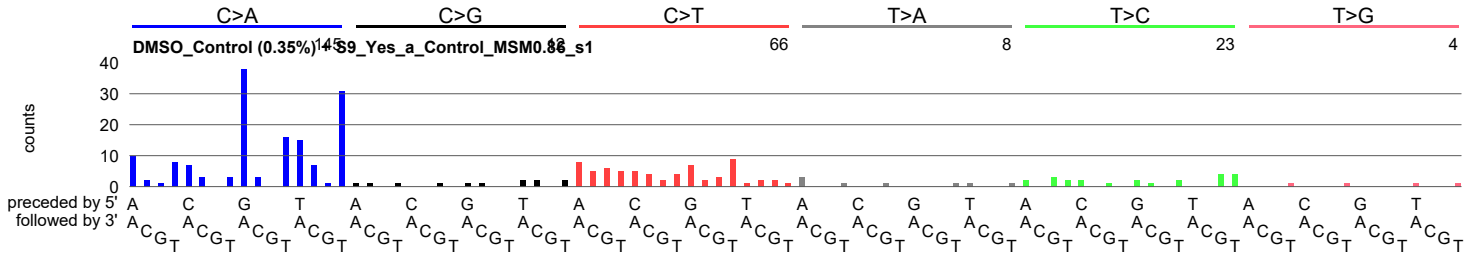

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%) + 59_Yes_a_Control_MSM0.37_s1
54
7
24
10
counts
preceded by 5'
followed by 3'

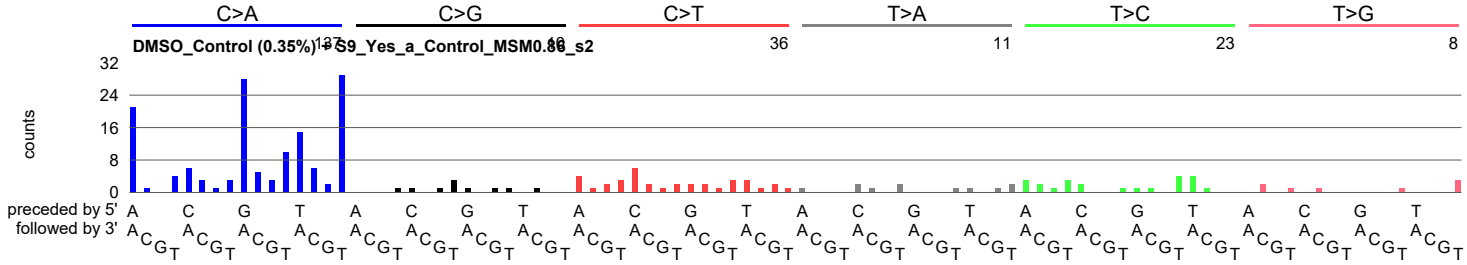

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%) + 59_Yes_a_Control_MSM0.37_s2
60
11
19
8
counts
preceded by 5'
followed by 3'

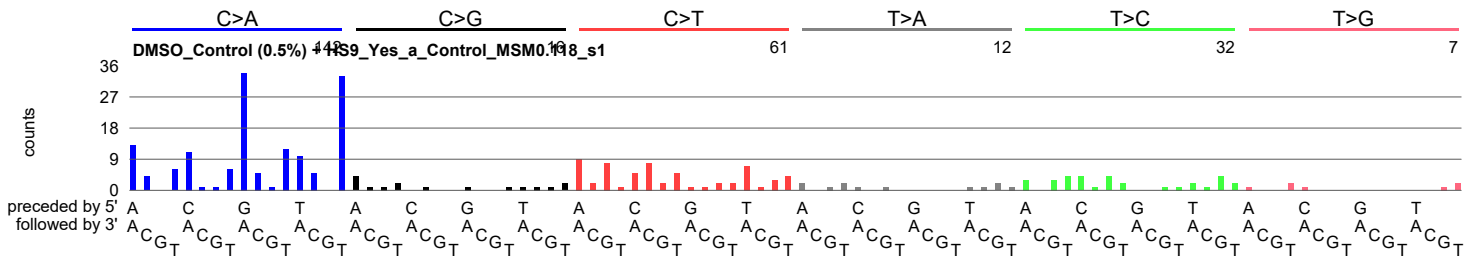

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%)_No_a_Control_MSM0.9_s2
140
8
49
10
24
11
counts
48
36
24
12
0
preceded by 5'
followed by 3'

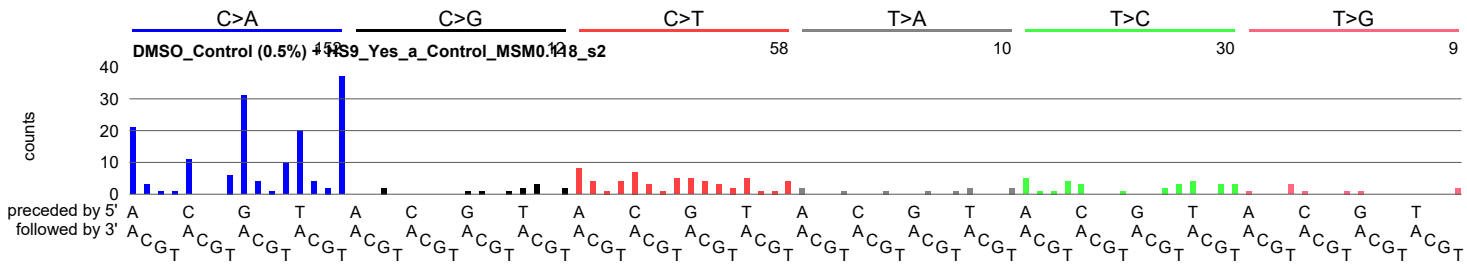

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%)_No_a_Control_MSM0.9_s3
138
5
51
8
18
6
counts
36
27
18
9
0
preceded by 5'
followed by 3'

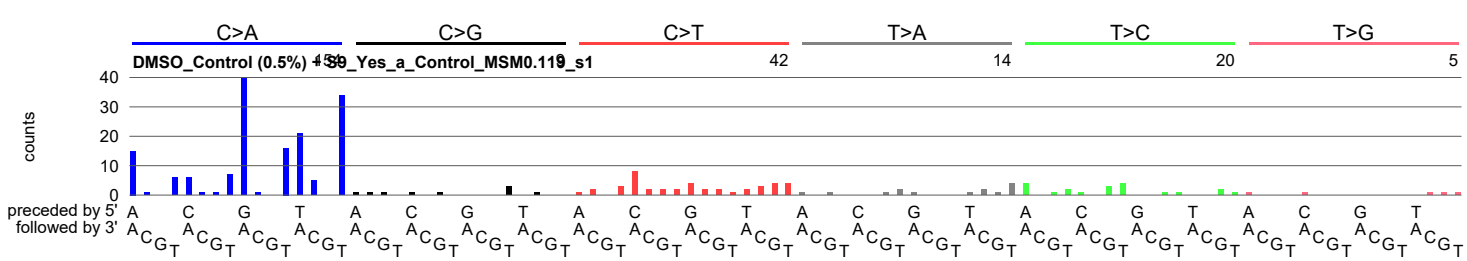

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.1%)_No_a_Control_MSM0.9_s6
145
12
51
10
19
9
counts
36
27
18
9
0
preceded by 5'
followed by 3'

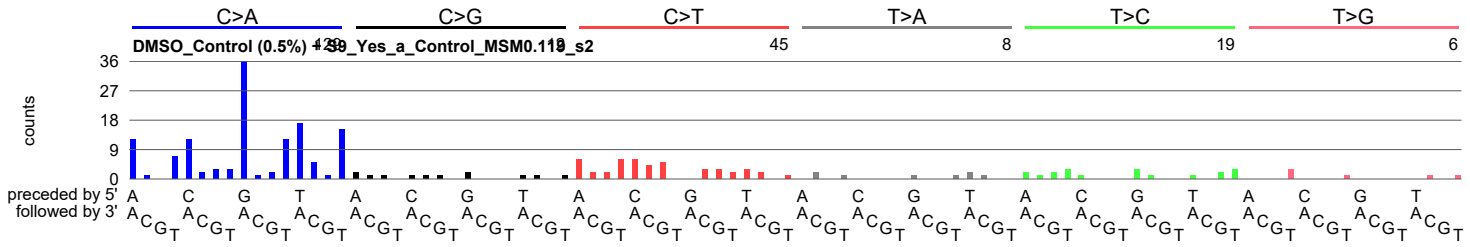

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.35%)_+S9_Yes_a_Control_MSM0.86_s1
145
66
8
23
4
counts
40
30
20
10
0
preceded by 5'
followed by 3'

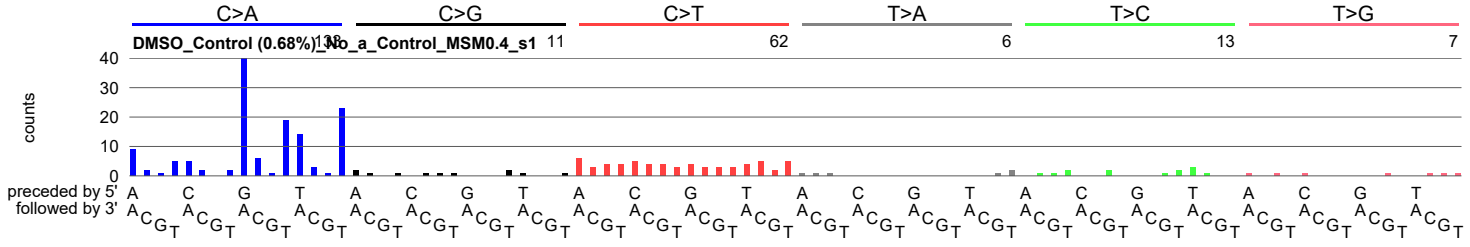

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.35%)_+S9_Yes_a_Control_MSM0.86_s2
137
36
11
23
8
counts
32
24
16
8
0
preceded by 5'
followed by 3'

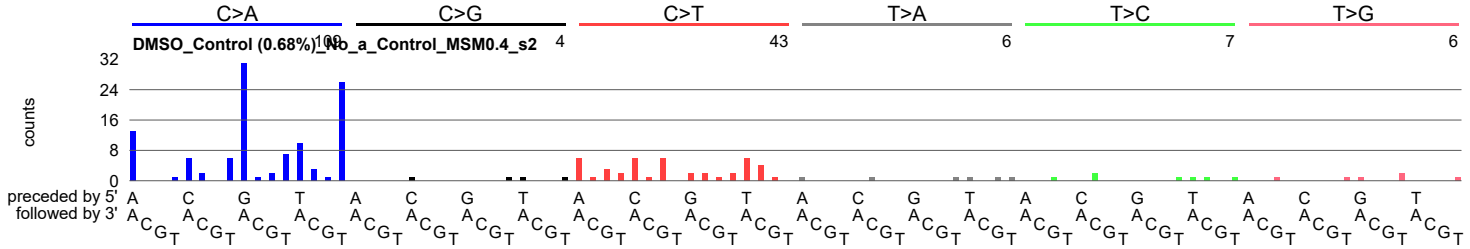

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.5%)_+S9_Yes_a_Control_MSM0.118_s1
142
61
12
32
7
counts
36
27
18
9
0
preceded by 5'
followed by 3'

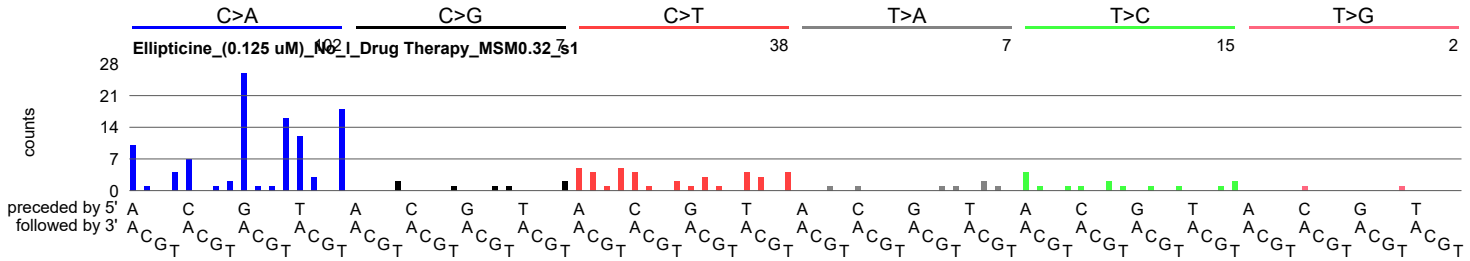

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.5%)_+S9_Yes_a_Control_MSM0.118_s2
142
58
10
30
9
counts
40
30
20
10
0
preceded by 5'
followed by 3'

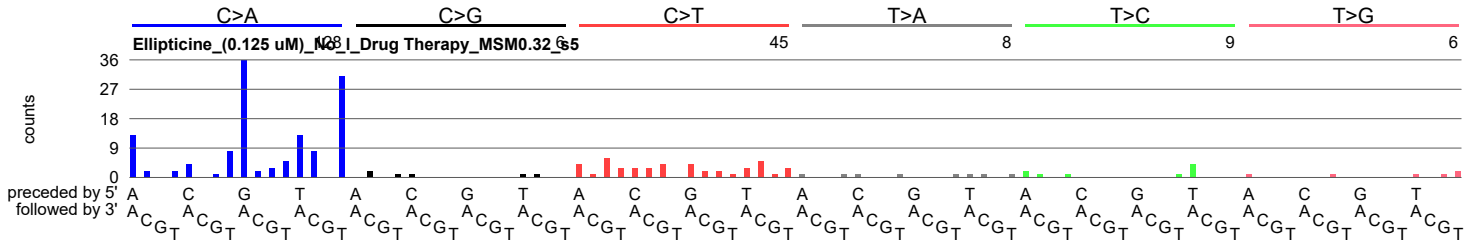

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.5%)_+S9_Yes_a_Control_MSM0.119_s1
42
14
20
5
counts
40
30
20
10
0
preceded by 5'
followed by 3'

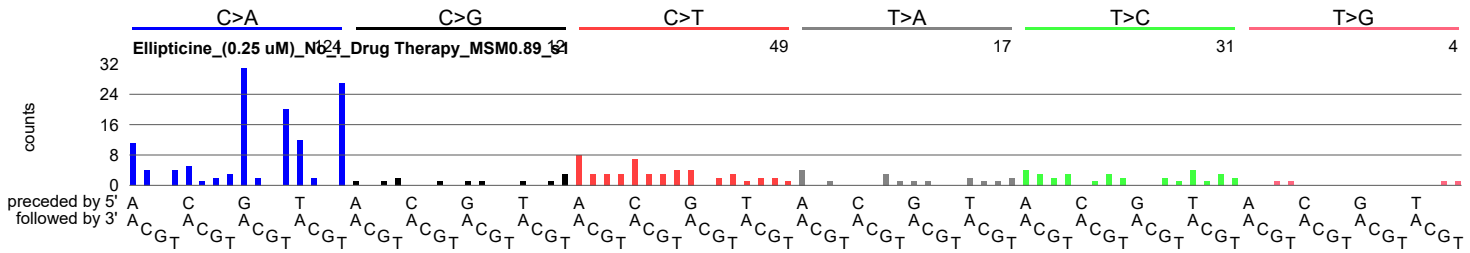

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.5%) 439_Yes_a_Control_MSM0.119_s2
45
8
19
6
counts
preceded by 5'
followed by 3'

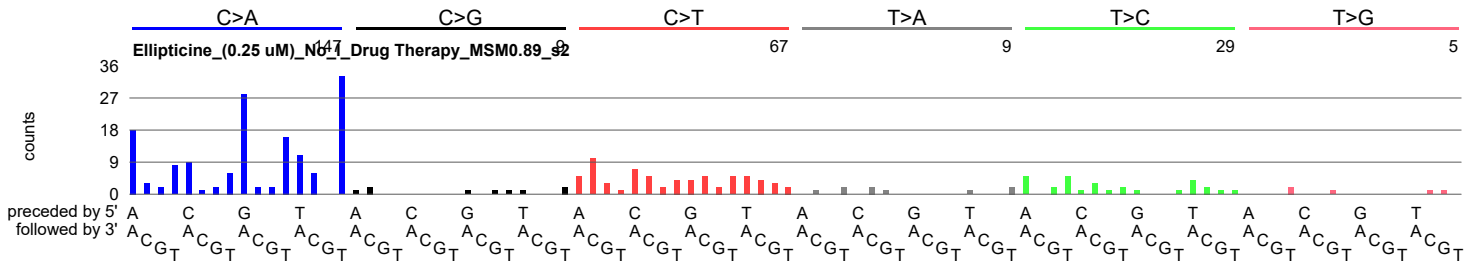

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.68%)_No_a_Control_MSM0.4_s1
11
62
6
13
7
counts
preceded by 5'
followed by 3'

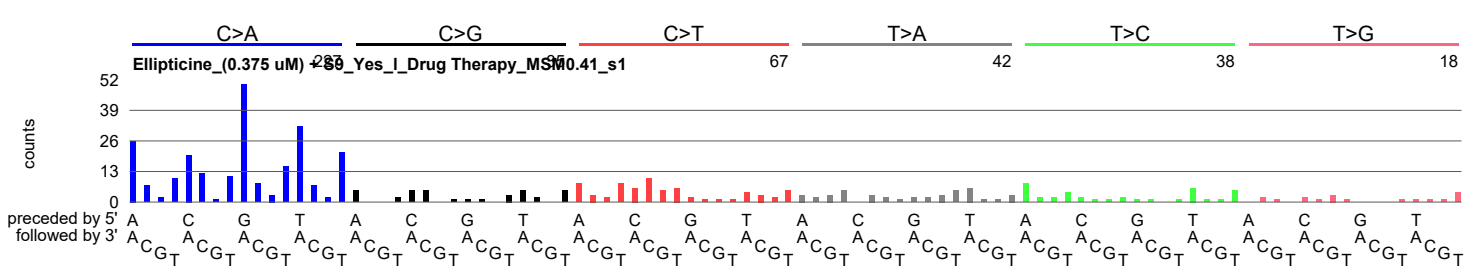

C>A
C>G
C>T
T>A
T>C
T>G
DMSO_Control (0.68%)_No_a_Control_MSM0.4_s2
4
43
6
7
6
counts
preceded by 5'
followed by 3'

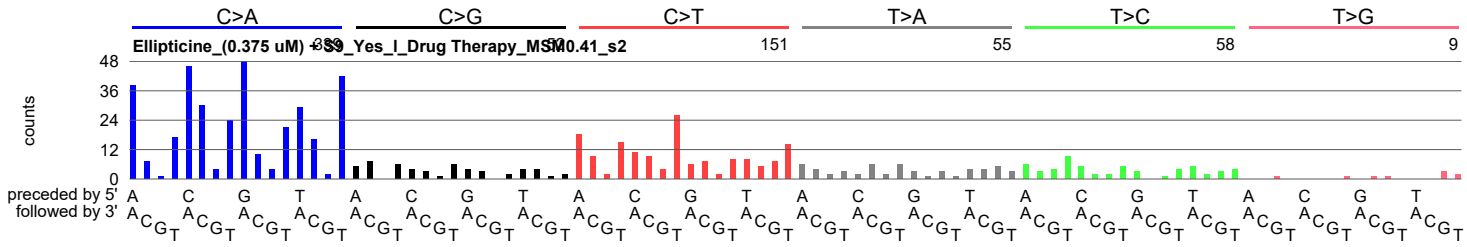

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.125 uM)_No_I_Drug Therapy_MSM0.32_s1
7
38
7
15
2
counts
preceded by 5'
followed by 3'

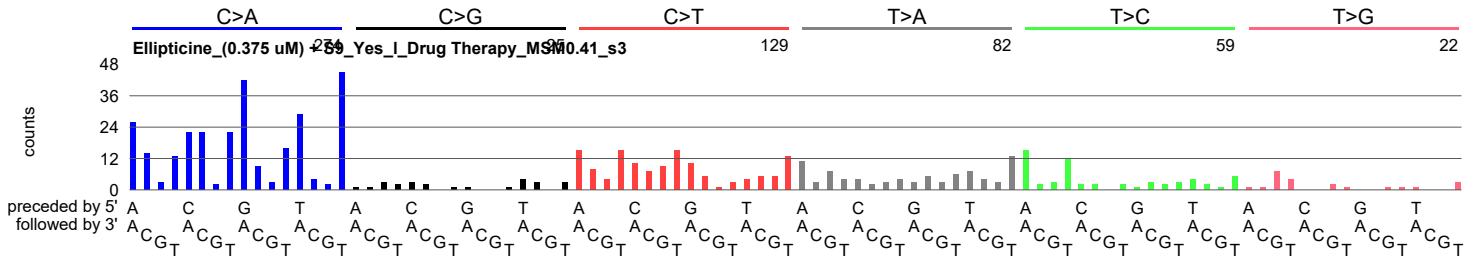

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.125 uM)_No_I_Drug Therapy_MSM0.32_s5
45
8
9
6
counts
preceded by 5'
followed by 3'

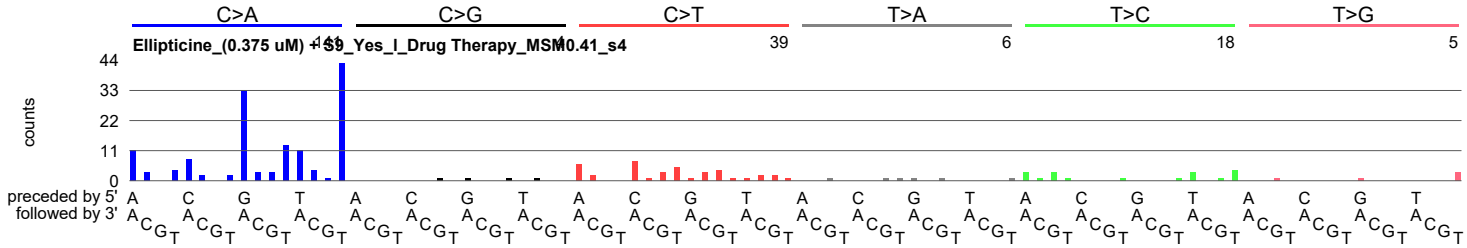

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.25 uM)_No_I_Drug Therapy_MSM0.89_s1
49
17
31
4
counts
preceded by 5'
followed by 3'

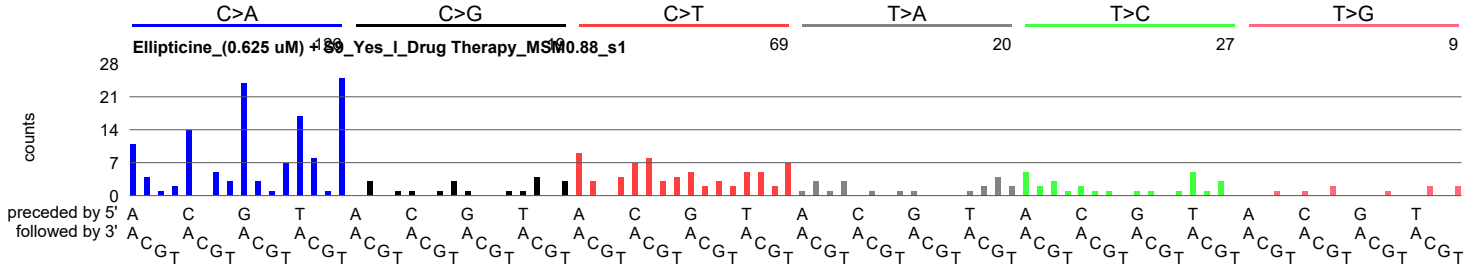

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.25 uM)_No_I_Drug Therapy_MSM0.89_s2
67
9
29
5
counts
preceded by 5'
followed by 3'

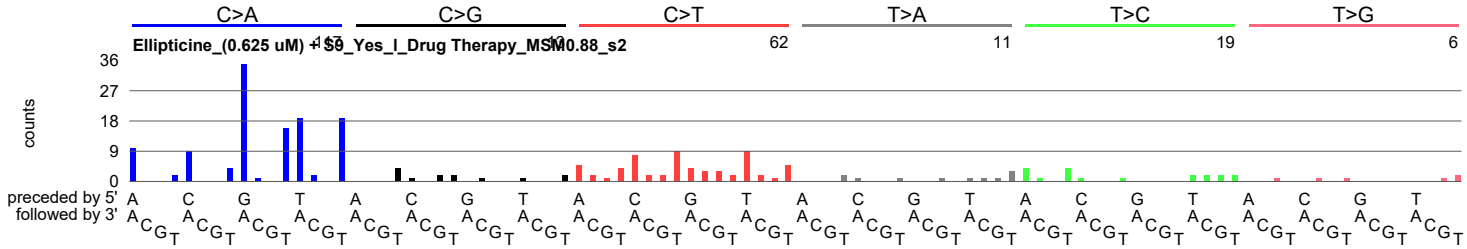

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.375 uM) 439_Yes_I_Drug Therapy_MSM0.41_s1
67
42
38
18
counts
preceded by 5'
followed by 3'

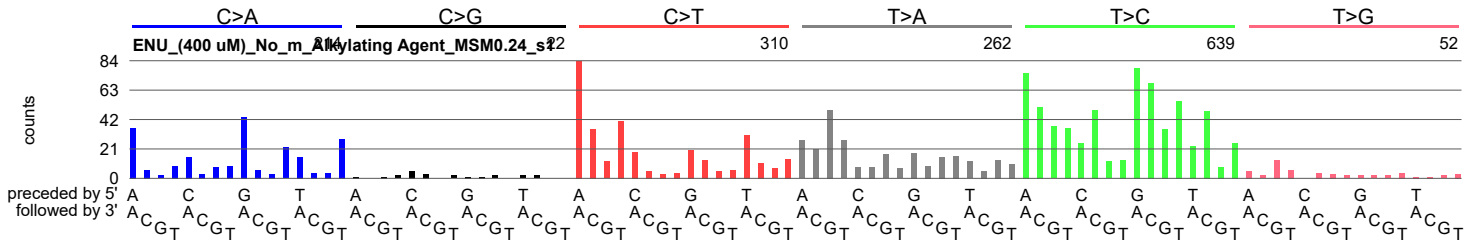

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.375 uM) + 59_Yes_I_Drug Therapy_MSM0.41_s2
151
55
58
9
counts
preceded by 5'
followed by 3'

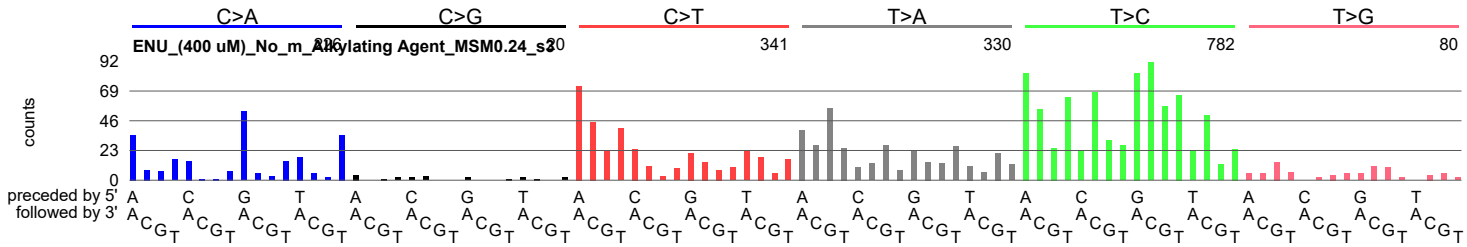

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.375 uM) + 59_Yes_I_Drug Therapy_MSM0.41_s3
129
82
59
22
counts
preceded by 5'
followed by 3'

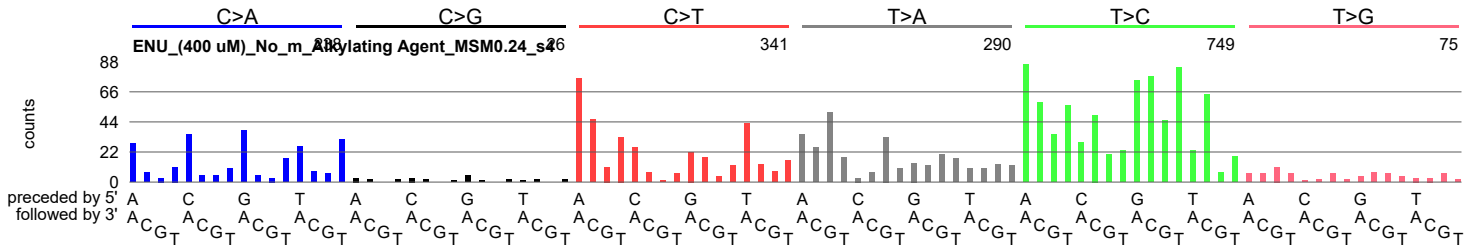

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.375 uM) + 59_Yes_I_Drug Therapy_MSM0.41_s4
39
6
18
5
counts
preceded by 5'
followed by 3'

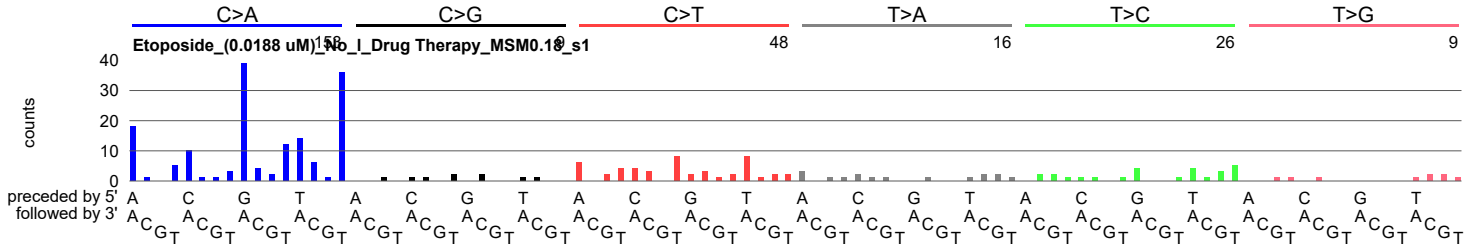

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.625 uM) + 59_Yes_I_Drug Therapy_MSM0.88_s1
69
20
27
9
counts
preceded by 5'
followed by 3'

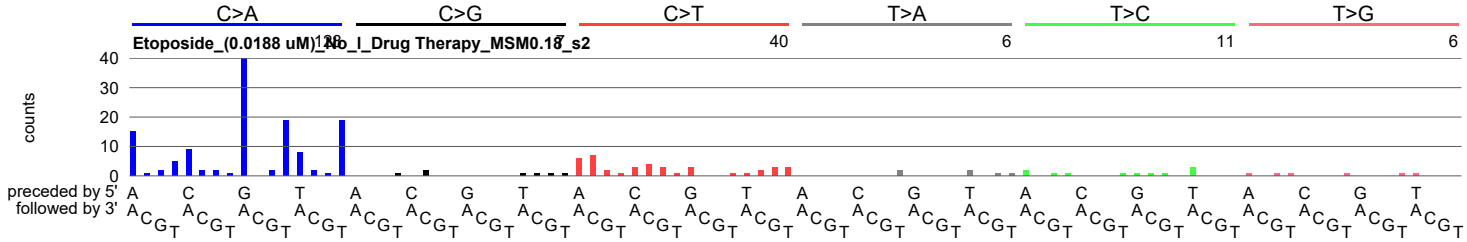

C>A
C>G
C>T
T>A
T>C
T>G
Ellipticine_(0.625 uM) + 59_Yes_I_Drug Therapy_MSM0.88_s2
62
11
19
6
counts
preceded by 5'
followed by 3'

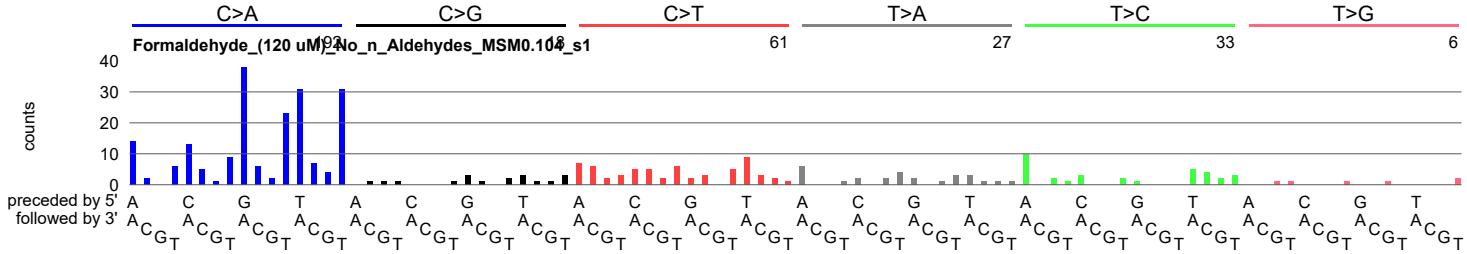

C>A
C>G
C>T
T>A
T>C
T>G
ENU_(400 uM)_No_m_Alkylating Agent_MSM0.24_s2
310
262
639
52
counts
preceded by 5'
followed by 3'

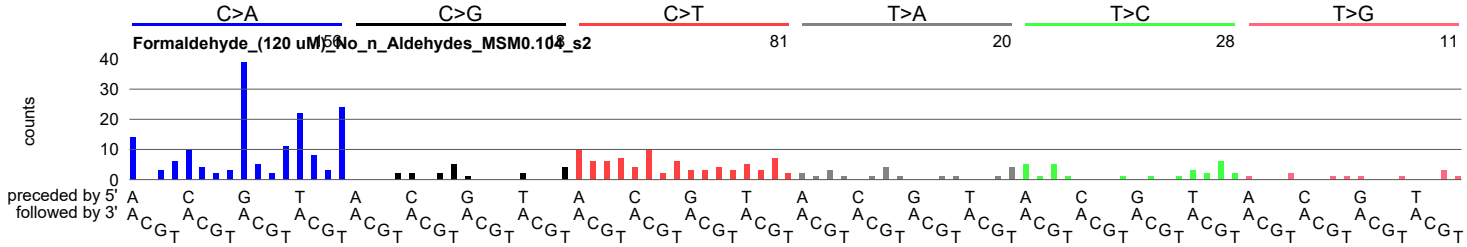

C>A
C>G
C>T
T>A
T>C
T>G
ENU_(400 uM)_No_m_Alkylating Agent_MSM0.24_s3
341
330
782
80
counts
preceded by 5'
followed by 3'

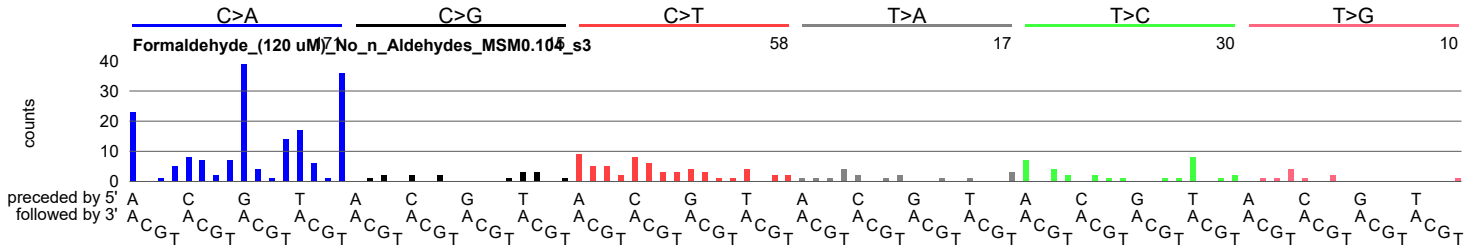

C>A
C>G
C>T
T>A
T>C
T>G
ENU_(400 uM)_No_m_Alkylating Agent_MSM0.24_s4
341
290
749
75
counts
preceded by 5'
followed by 3'

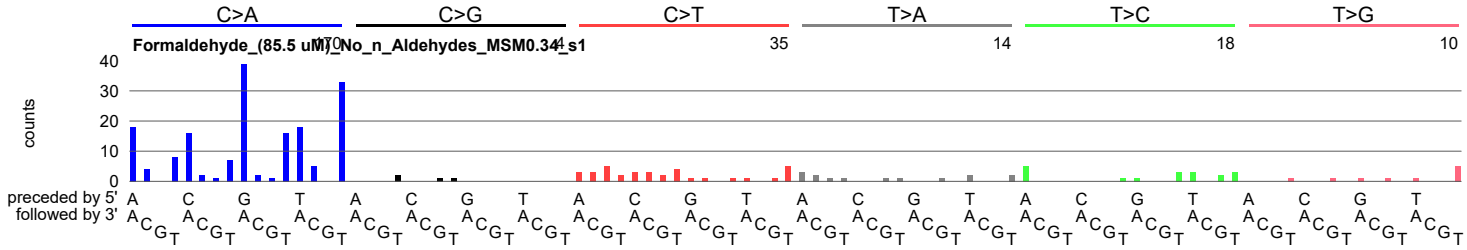

C>A
C>G
C>T
T>A
T>C
T>G
Etoposide_(0.0188 uM)_No_I_Drug Therapy_MSM0.18_s1
158
9
48
16
26
9
counts
preceded by 5'
followed by 3'

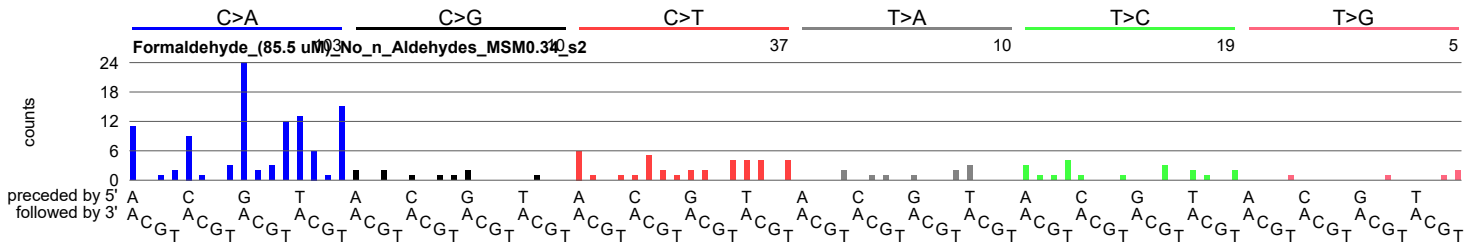

C>A
C>G
C>T
T>A
T>C
T>G
Etoposide_(0.0188 uM)_No_I_Drug Therapy_MSM0.18_s2
158
8
40
6
11
6
counts
preceded by 5'
followed by 3'

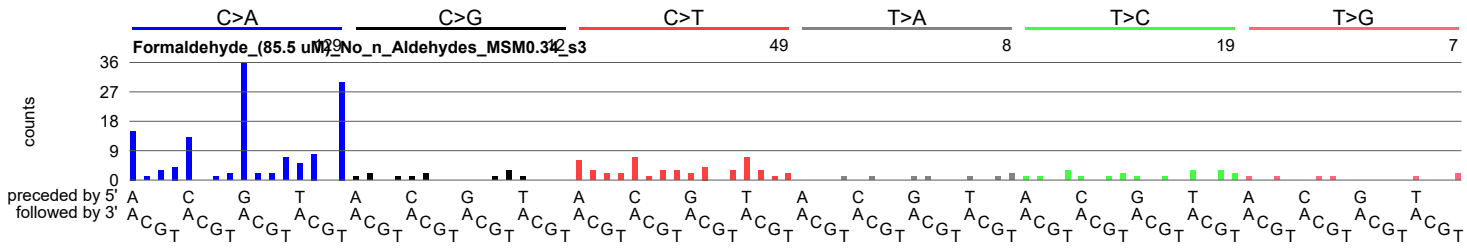

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(120 uM)_No_n_Aldehydes_MSM0.104_s1
193
8
61
27
33
6
counts
preceded by 5'
followed by 3'

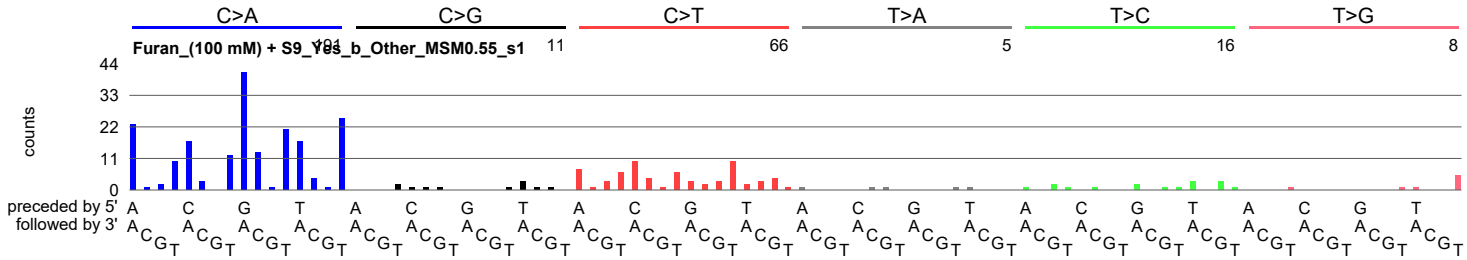

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(120 uM)_No_n_Aldehydes_MSM0.104_s2
156
8
81
20
28
11
counts
preceded by 5'
followed by 3'

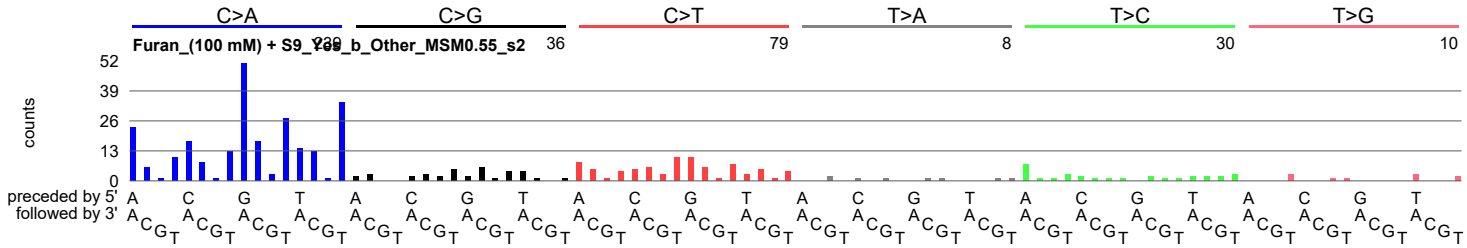

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(120 uM)_No_n_Aldehydes_MSM0.104_s3
177
5
58
17
30
10
counts
preceded by 5'
followed by 3'

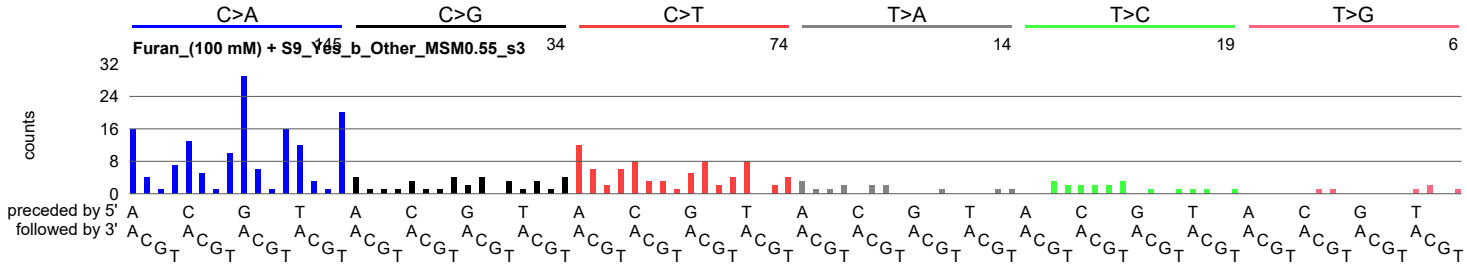

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(85.5 uM)_No_n_Aldehydes_MSM0.34_s1
170
4
35
14
18
10
counts
preceded by 5'
followed by 3'

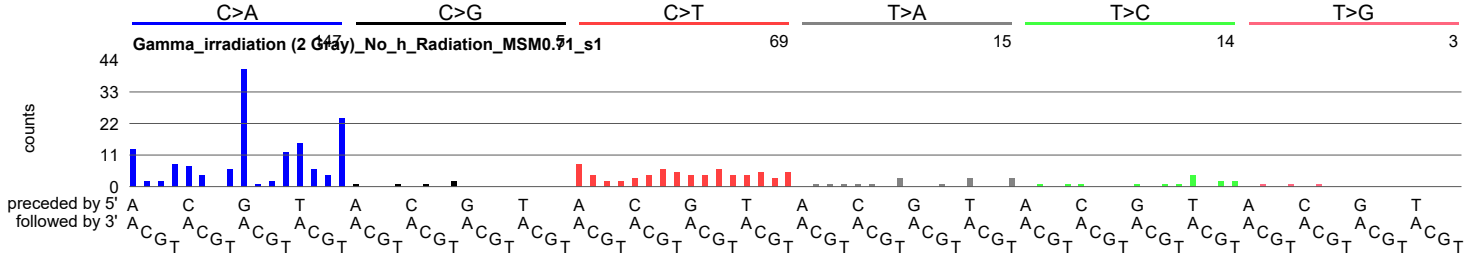

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(85.5 uM)_No_n_Aldehydes_MSM0.34_s2
193
4
37
10
19
5
counts
preceded by 5'
followed by 3'

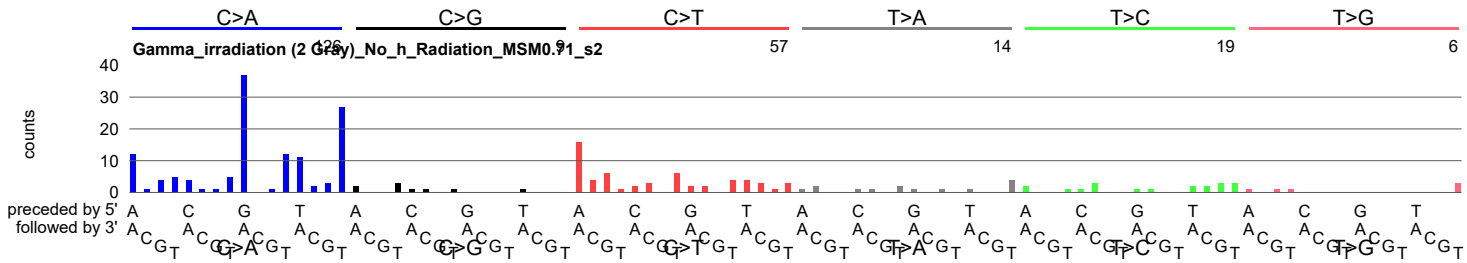

C>A
C>G
C>T
T>A
T>C
T>G
Formaldehyde_(85.5 uM)_No_n_Aldehydes_MSM0.34_s3
129
2
49
8
19
7
counts
preceded by 5'
followed by 3'

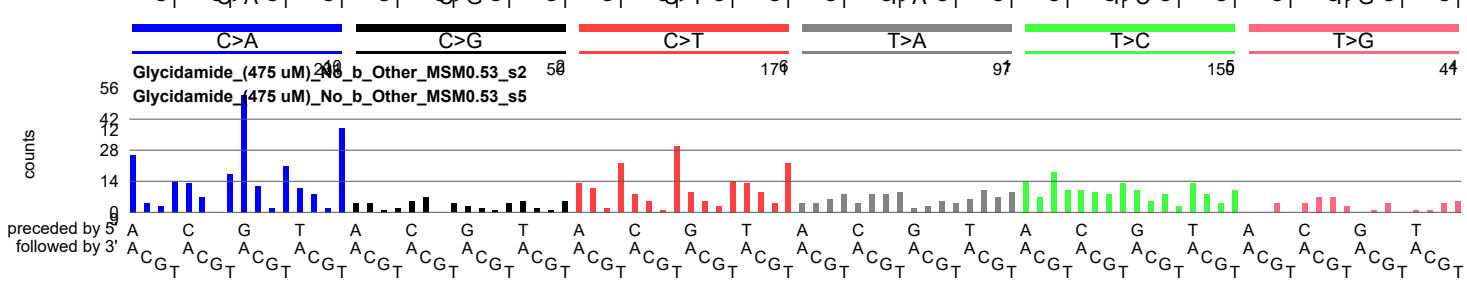

C>A
C>G
C>T
T>A
T>C
T>G
Furan_(100 mM) + S9_Yes_b_Other_MSM0.55_s1
101
11
66
5
16
8
counts
preceded by 5'
followed by 3'

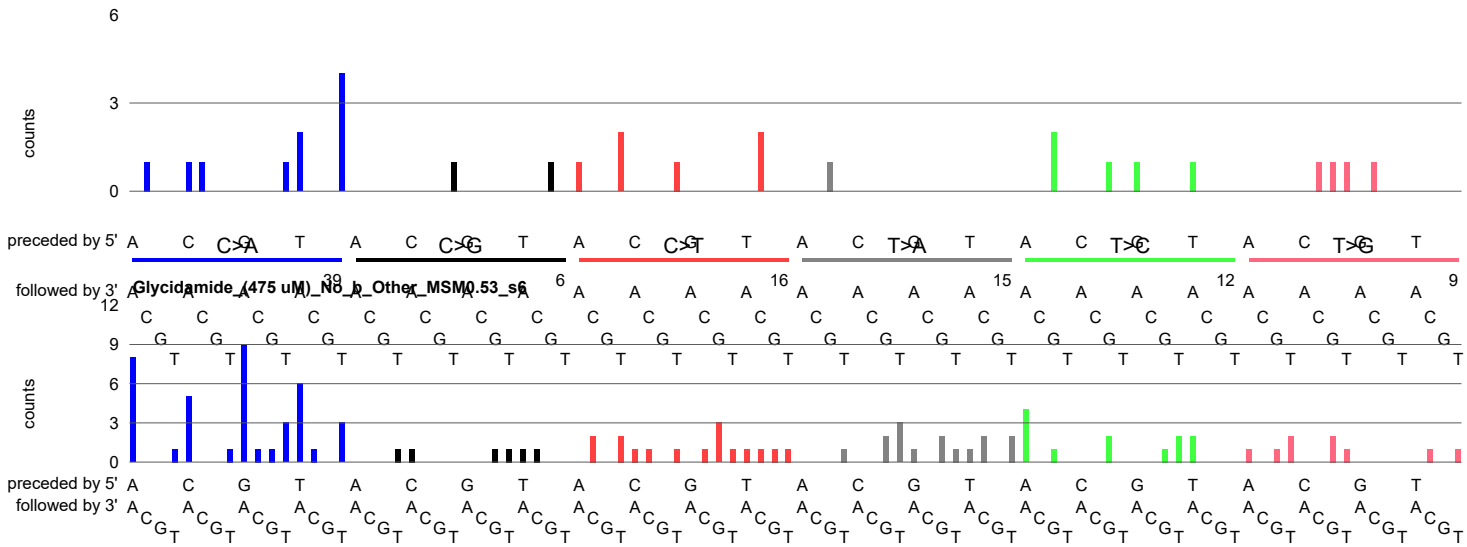

C>A
C>G
C>T
T>A
T>C
T>G
Furan_(100 mM) + S9_Yes_b_Other_MSM0.55_s2
229
36
79
8
30
10
counts
preceded by 5'
followed by 3'

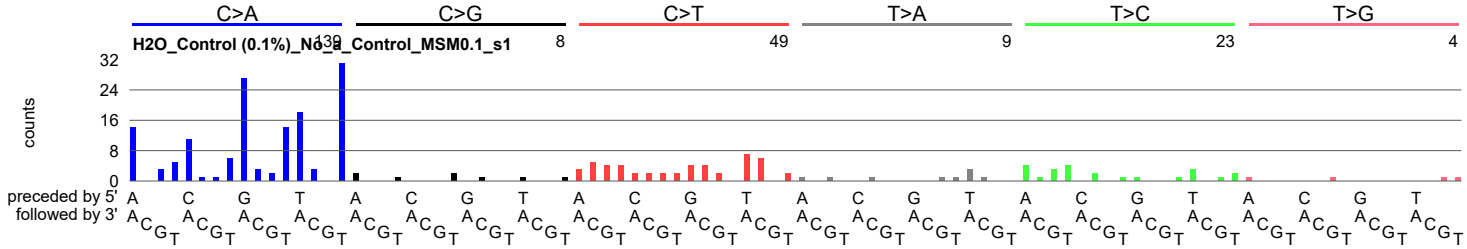

C>A
C>G
C>T
T>A
T>C
T>G
Furan_(100 mM) + S9_Yes_b_Other_MSM0.55_s3
145
34
74
14
19
6
counts
preceded by 5'
followed by 3'

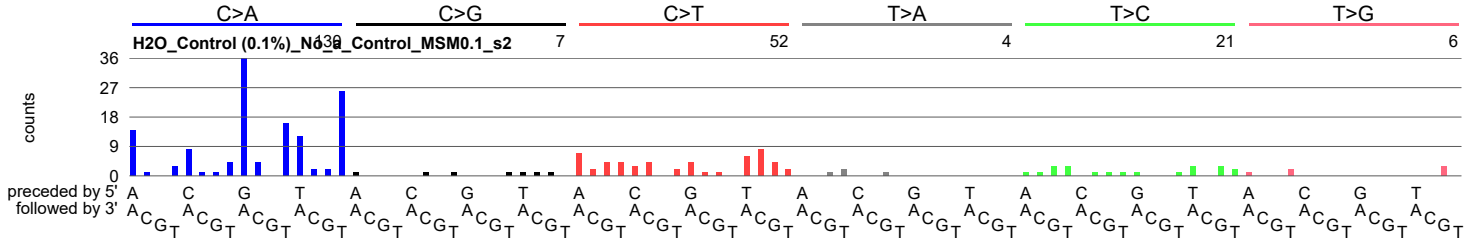

C>A
C>G
C>T
T>A
T>C
T>G
Gamma_irradiation (2 Gray)_No_h_Radiation_MSM0.71_s1
117
5
69
15
14
3
counts
preceded by 5'
followed by 3'

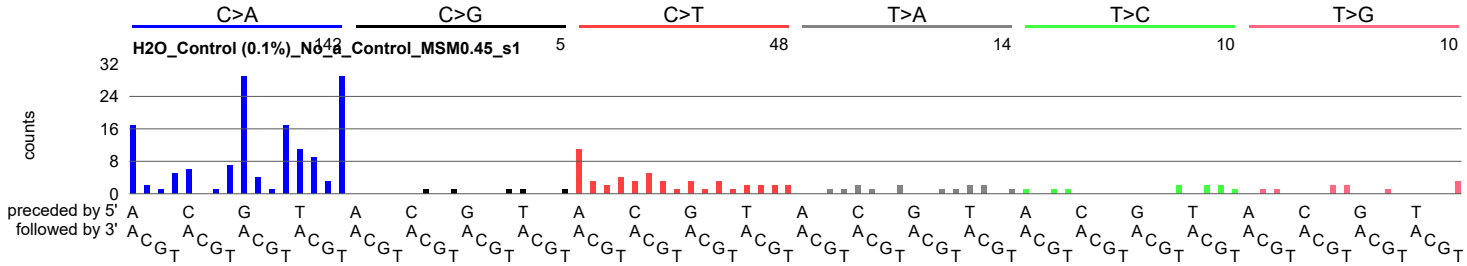

C>A
C>G
C>T
T>A
T>C
T>G
Gamma_irradiation (2 Gray)_No_h_Radiation_MSM0.71_s2
126
9
57
14
19
6
counts
preceded by 5'
followed by 3'

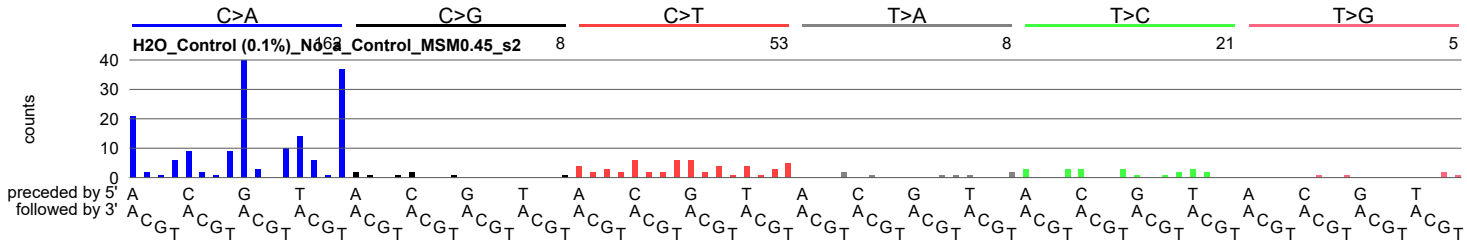

C>A
C>G
C>T
T>A
T>C
T>G
Glycidamide_(475 uM)_No_b_Other_MSM0.53_s2
248
50
176
97
159
41
Glycidamide_(475 uM)_No_b_Other_MSM0.53_s5
counts
preceded by 5'
followed by 3'

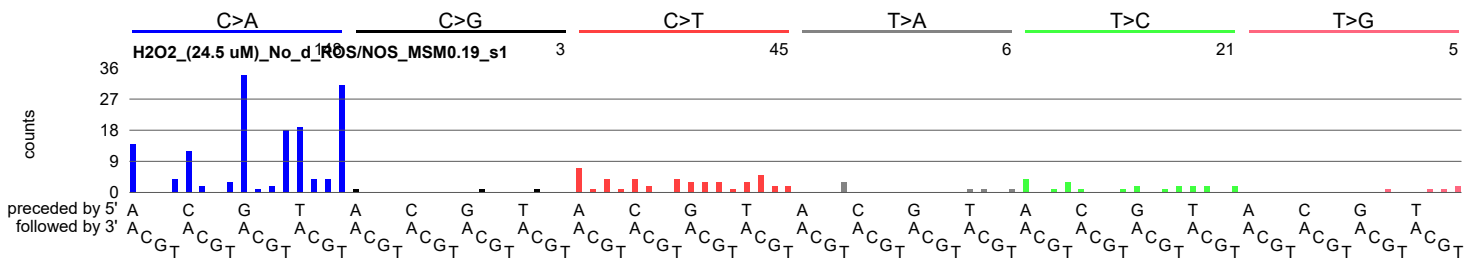

C>A
C>G
C>T
T>A
T>C
T>G
Glycidamide_(475 uM)_No_b_Other_MSM0.53_s6
39
6
16
15
12
9
counts
preceded by 5'
followed by 3'

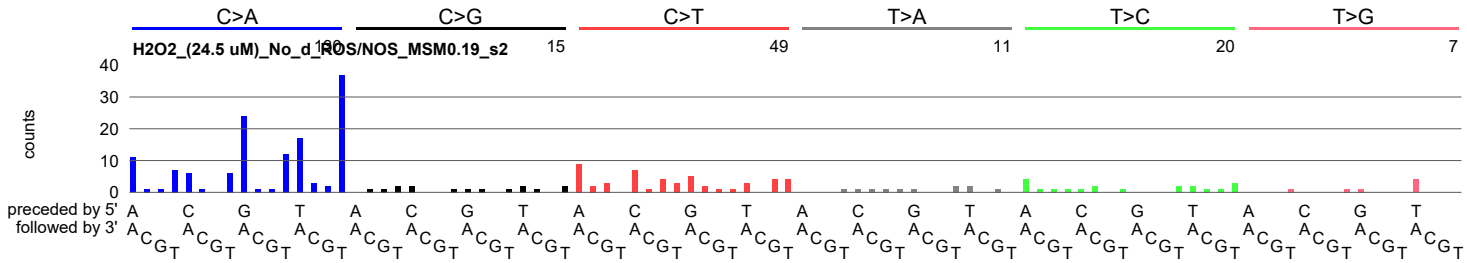

C>A
C>G
C>T
T>A
T>C
T>G
H2O_Control (0.1%)_No_a_Control_MSM0.1_s1
139
8
49
9
23
4
counts
preceded by 5'
followed by 3'

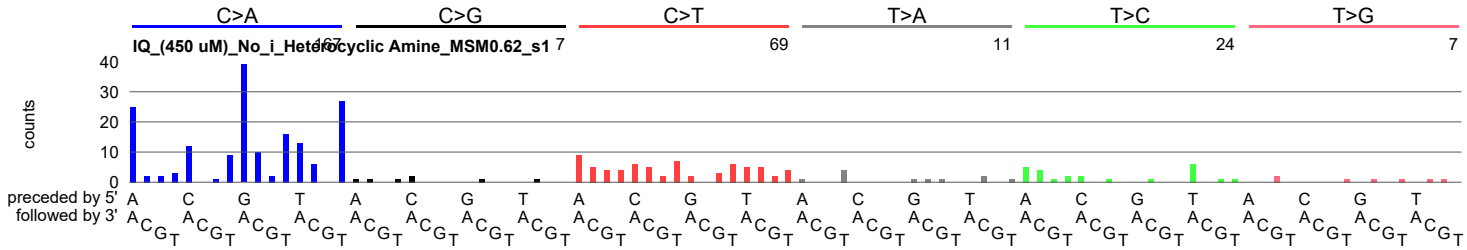

C>A
C>G
C>T
T>A
T>C
T>G
H2O_Control (0.1%)_No_a_Control_MSM0.1_s2
139
7
52
4
21
6
counts
preceded by 5'
followed by 3'

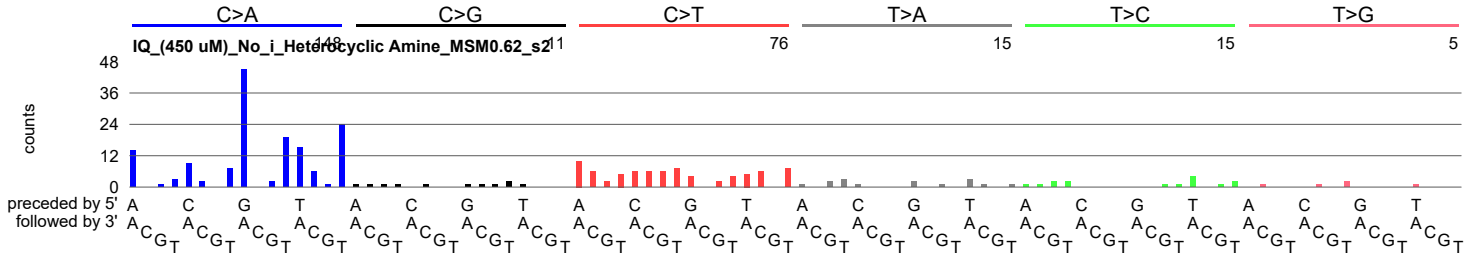

C>A
C>G
C>T
T>A
T>C
T>G
H2O_Control (0.1%)_No_a_Control_MSM0.45_s1
142
5
48
14
10
10
counts
preceded by 5'
followed by 3'

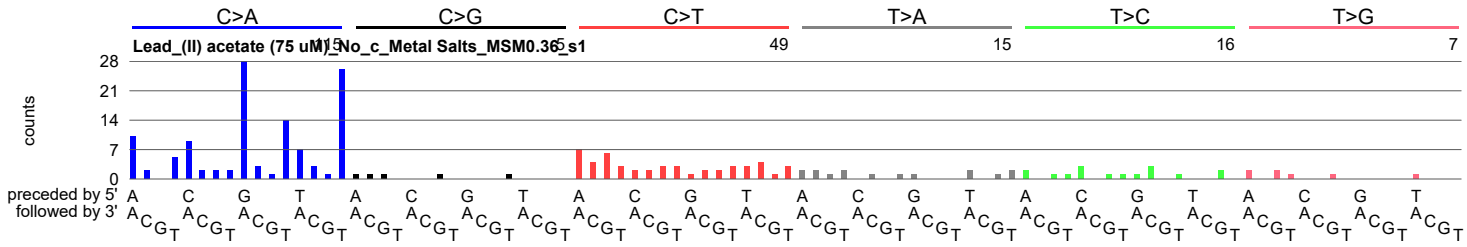

C>A
C>G
C>T
T>A
T>C
T>G
H2O_Control (0.1%)_No_a_Control_MSM0.45_s2
162
8
53
8
21
5
counts
preceded by 5'
followed by 3'

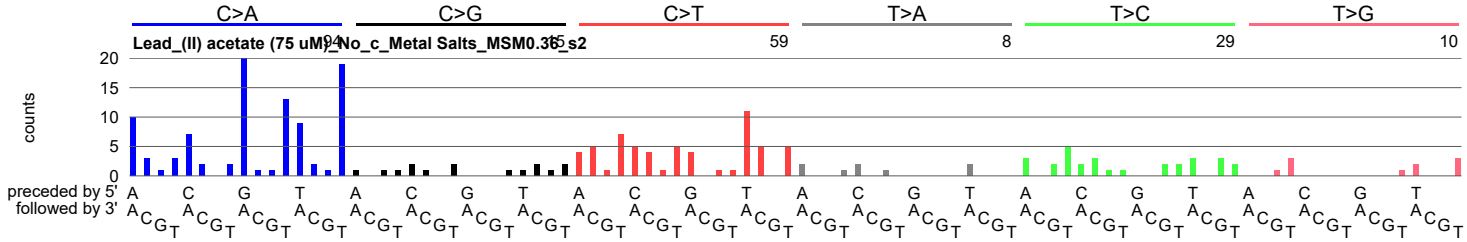

C>A
C>G
C>T
T>A
T>C
T>G
H2O2_(24.5 uM)_No_d_ROS/NOS_MSM0.19_s1
3
45
6
21
5
counts
preceded by 5'
followed by 3'

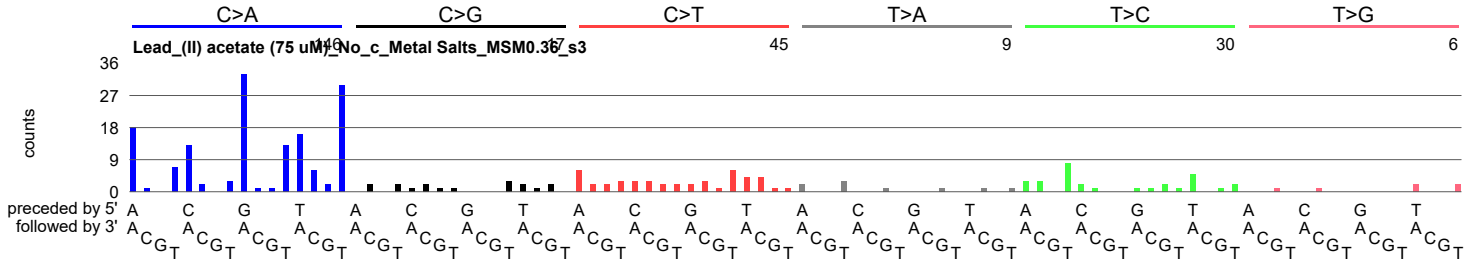

C>A
C>G
C>T
T>A
T>C
T>G
H2O2_(24.5 uM)_No_d_ROS/NOS_MSM0.19_s2
15
49
11
20
7
counts
preceded by 5'
followed by 3'

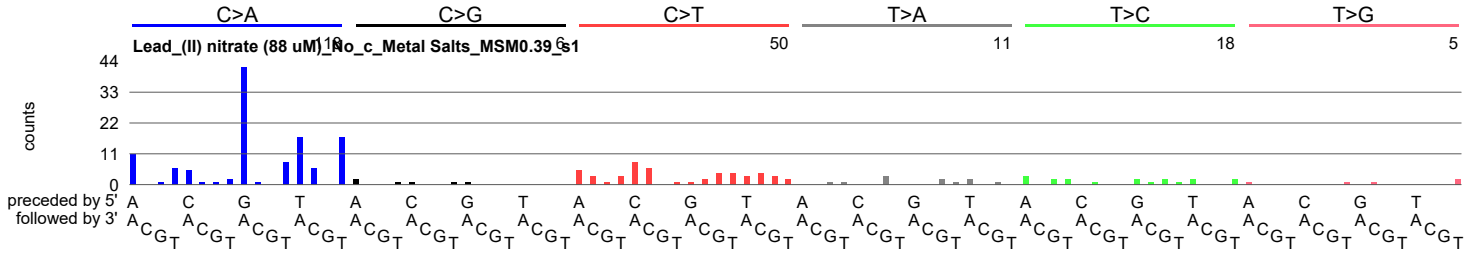

C>A
C>G
C>T
T>A
T>C
T>G
IQ_(450 uM)_No_i_Heterocyclic Amine_MSM0.62_s1
7
69
11
24
7
counts
preceded by 5'
followed by 3'

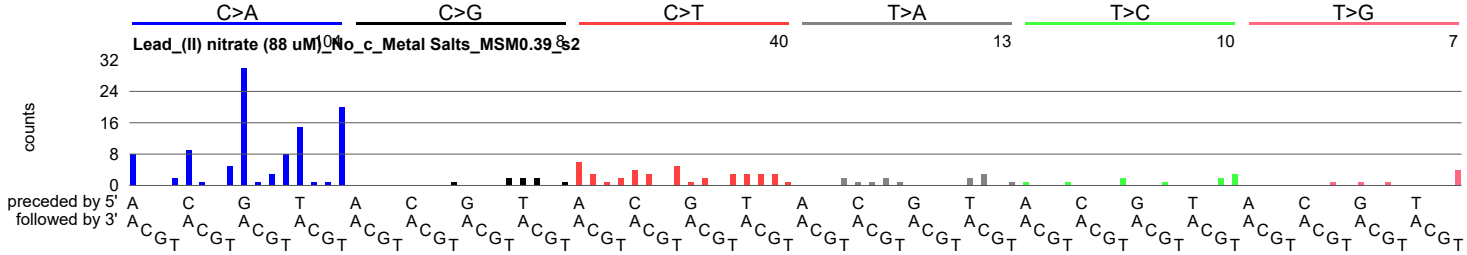

C>A
C>G
C>T
T>A
T>C
T>G
IQ_(450 uM)_No_i_Heterocyclic Amine_MSM0.62_s2
11
76
15
15
5
counts
preceded by 5'
followed by 3'

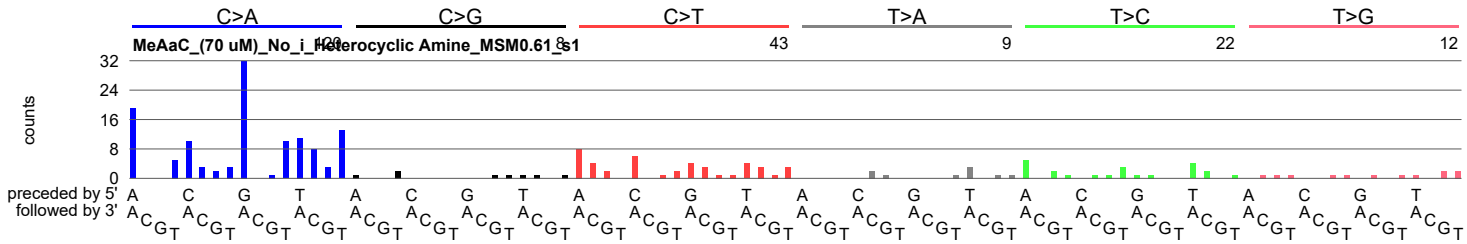

C>A
C>G
C>T
T>A
T>C
T>G
Lead_(II) acetate (75 uM)_No_c_Metal Salts_MSM0.36_s1
115
5
49
15
16
7
counts
preceded by 5'
followed by 3'

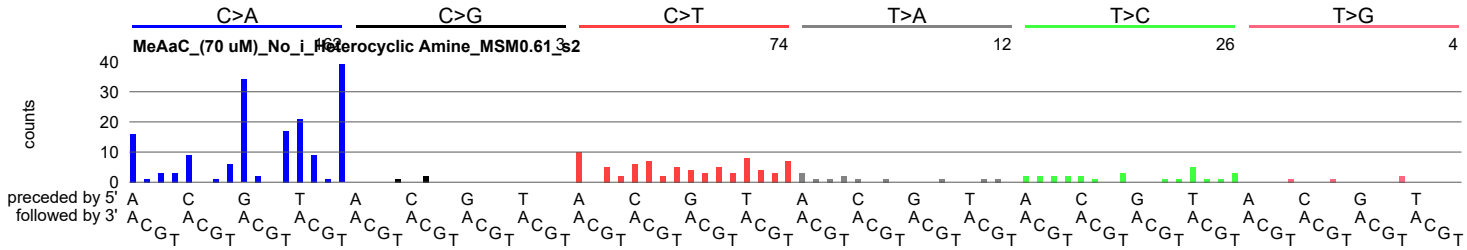

C>A
C>G
C>T
T>A
T>C
T>G
Lead_(II) acetate (75 uM)_No_c_Metal Salts_MSM0.36_s2
194
5
59
8
29
10
counts
preceded by 5'
followed by 3'

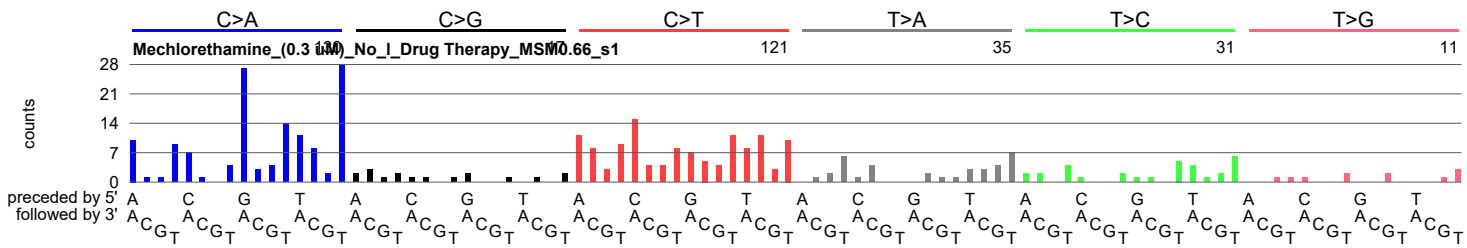

C>A
C>G
C>T
T>A
T>C
T>G
Lead_(II) acetate (75 uM)_No_c_Metal Salts_MSM0.36_s3
110
7
45
9
30
6
counts
preceded by 5'
followed by 3'

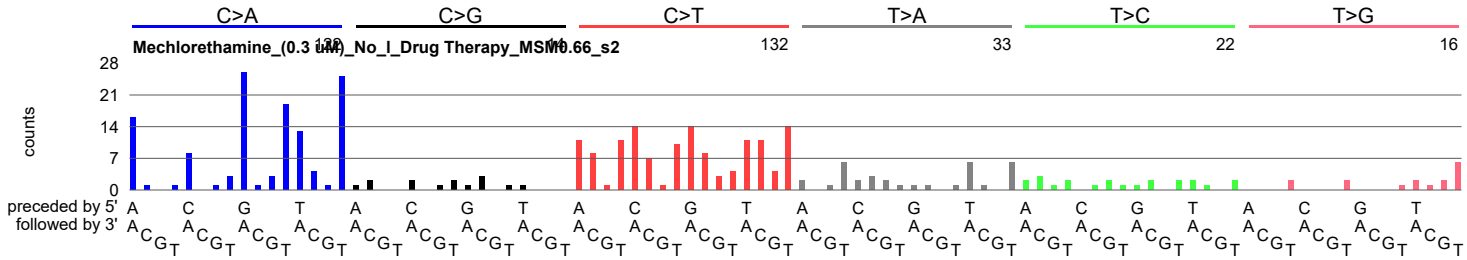

C>A
C>G
C>T
T>A
T>C
T>G
Lead_(II) nitrate (88 uM)_No_c_Metal Salts_MSM0.39_s1
118
6
50
11
18
5
counts
preceded by 5'
followed by 3'

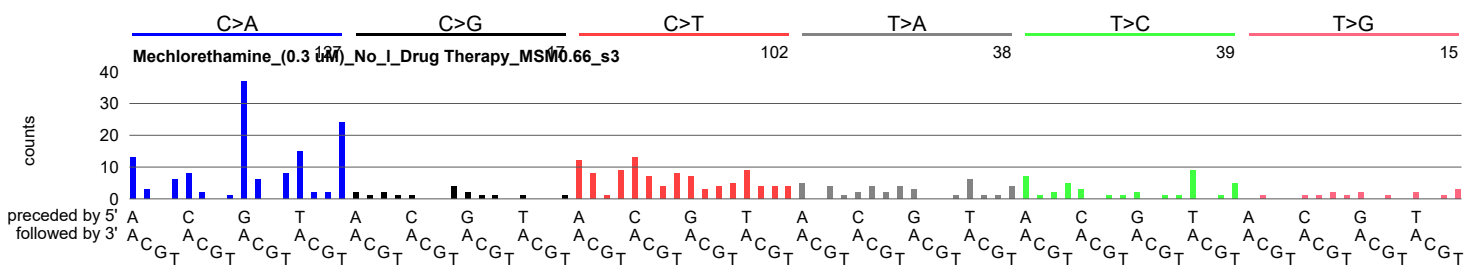

C>A
C>G
C>T
T>A
T>C
T>G
Lead_(II) nitrate (88 uM)_No_c_Metal Salts_MSM0.39_s2
104
8
40
13
10
7
counts
preceded by 5'
followed by 3'

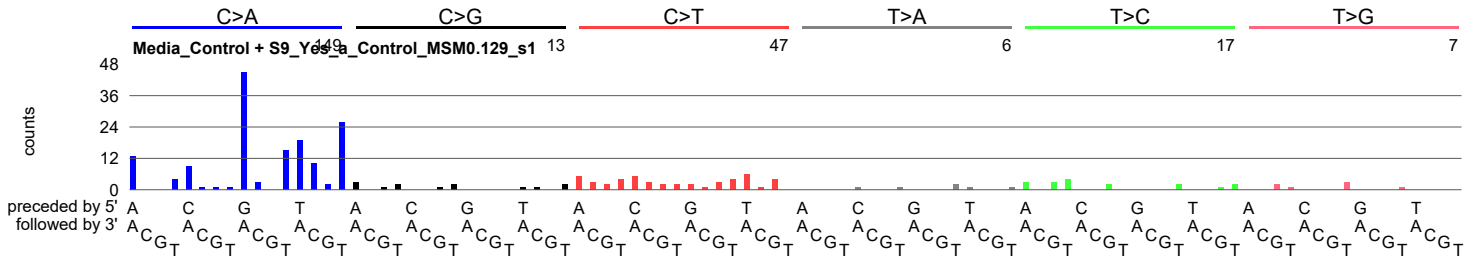

C>A
C>G
C>T
T>A
T>C
T>G
MeAaC_(70 uM)_No_i_Heterocyclic Amine_MSM0.61_s1
120
8
43
9
22
12
counts
preceded by 5'
followed by 3'

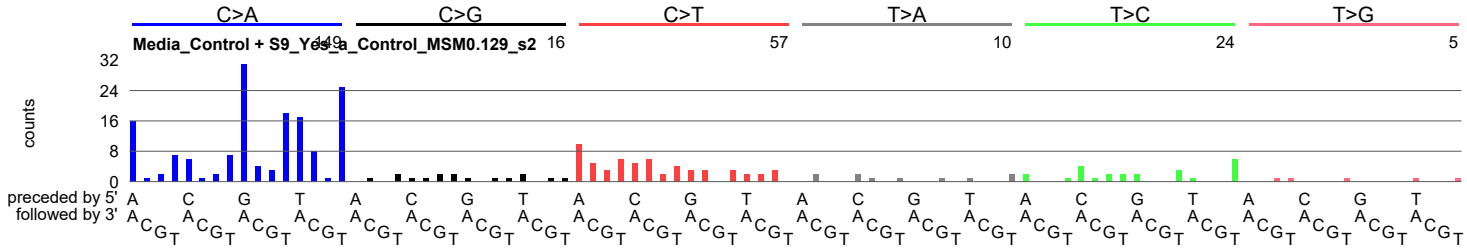

C>A
C>G
C>T
T>A
T>C
T>G
MeAaC_(70 uM)_No_i_Heterocyclic Amine_MSM0.61_s2
162
3
74
12
26
4
counts
preceded by 5'
followed by 3'

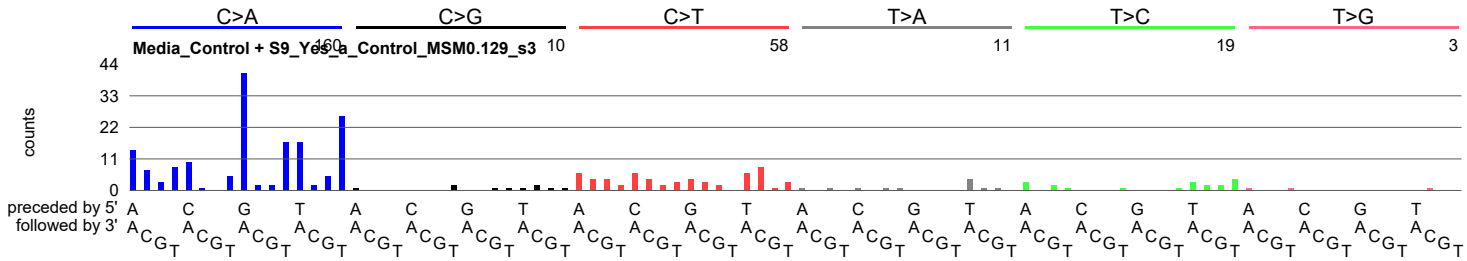

C>A
C>G
C>T
T>A
T>C
T>G
Mechlorethamine_(0.3 uM)_No_l_Drug Therapy_MSM0.66_s1
130
7
121
35
31
11
counts
preceded by 5'
followed by 3'

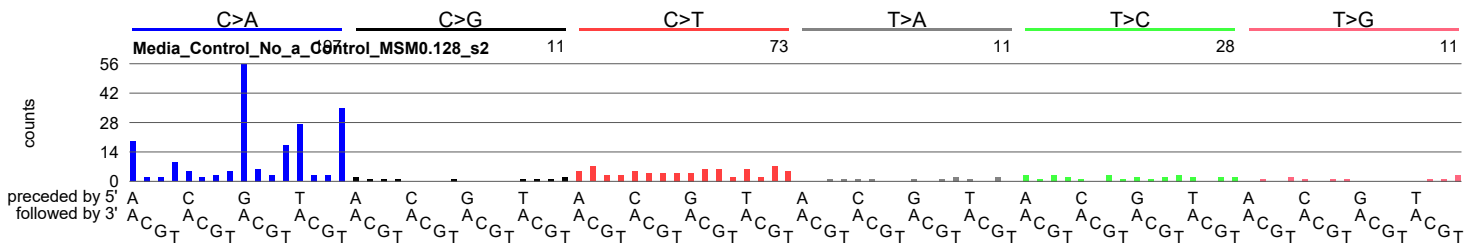

C>A
C>G
C>T
T>A
T>C
T>G
Mechlorethamine_(0.3 uM)_No_I_Drug Therapy_MSM0.66_s2
132
33
22
16
counts
preceded by 5'
followed by 3'

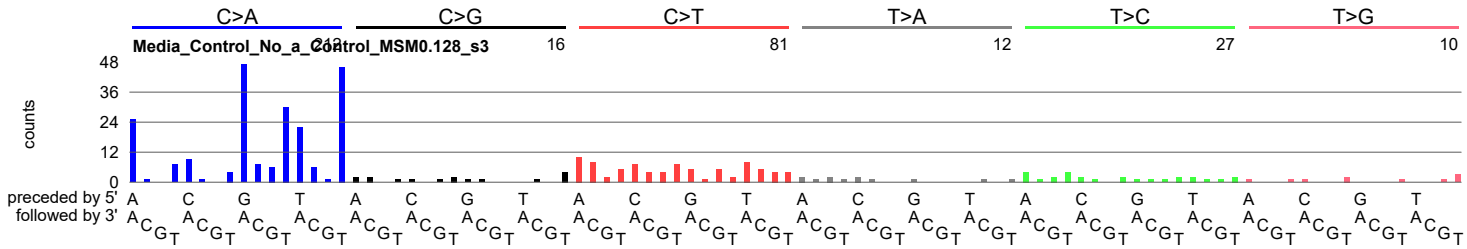

C>A
C>G
C>T
T>A
T>C
T>G
Mechlorethamine_(0.3 uM)_No_I_Drug Therapy_MSM0.66_s3
102
38
39
15
counts
preceded by 5'
followed by 3'

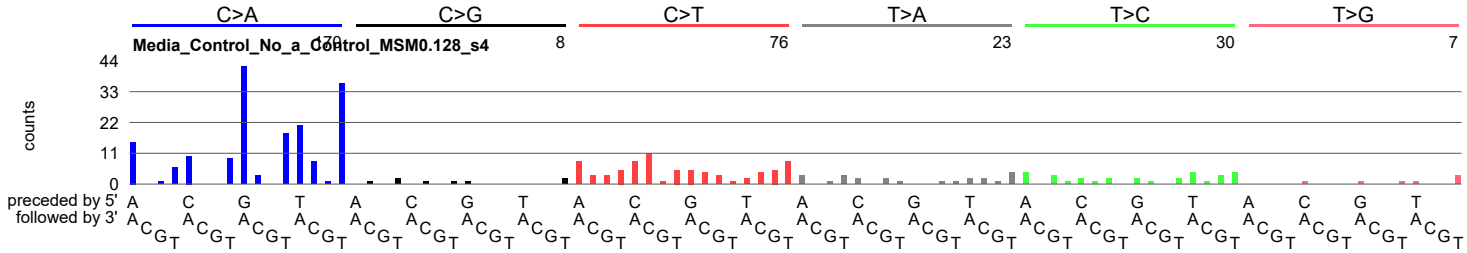

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control + S9_Yes_a_Control_MSM0.129_s1
13
47
6
17
7
counts
preceded by 5'
followed by 3'

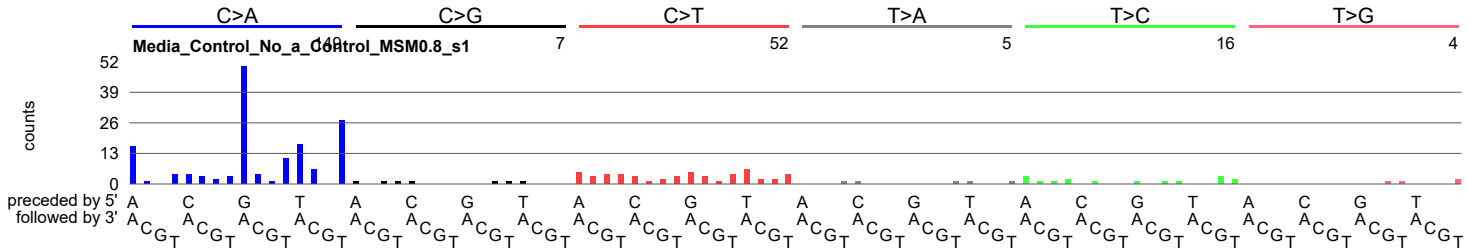

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control + S9_Yes_a_Control_MSM0.129_s2
16
57
10
24
5
counts
preceded by 5'
followed by 3'

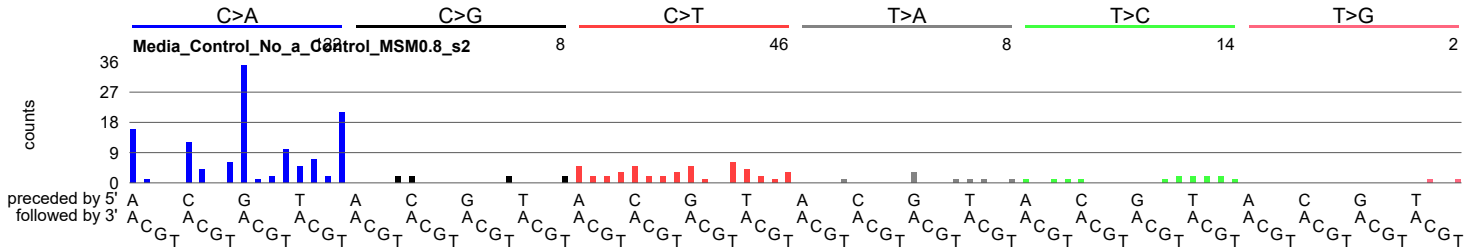

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control + S9_Yes_a_Control_MSM0.129_s3
10
58
11
19
3
counts
preceded by 5'
followed by 3'

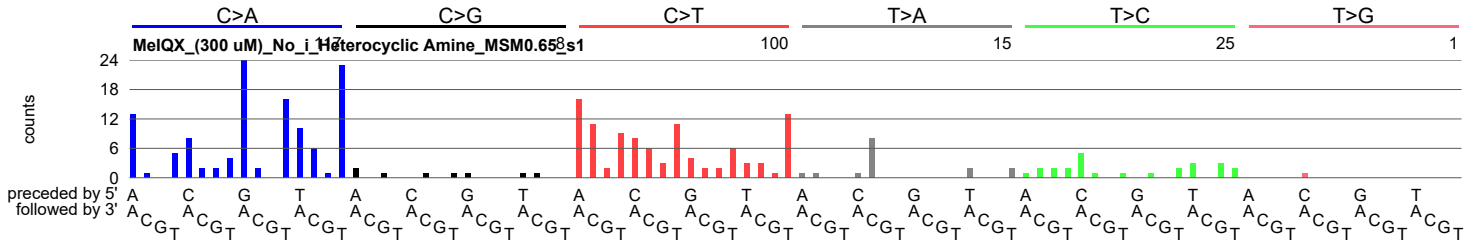

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control_No_a_Control_MSM0.128_s2
11
73
11
28
11
counts
preceded by 5'
followed by 3'

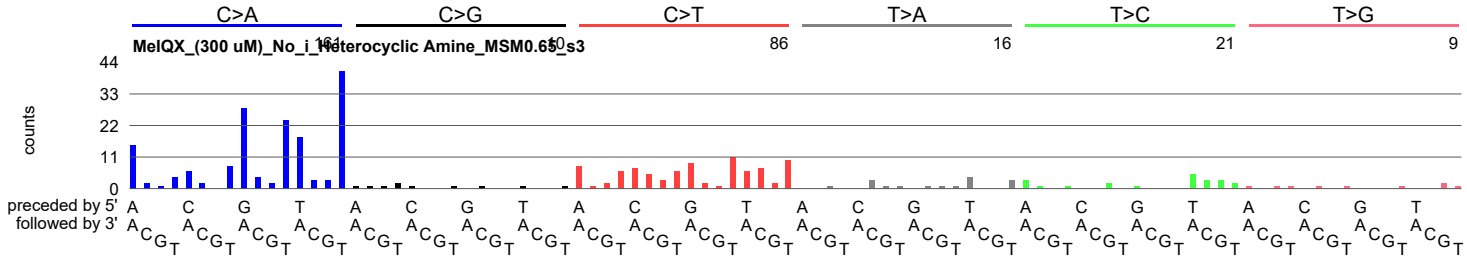

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control_No_a_Control_MSM0.128_s3
16
81
12
27
10
counts
preceded by 5'
followed by 3'

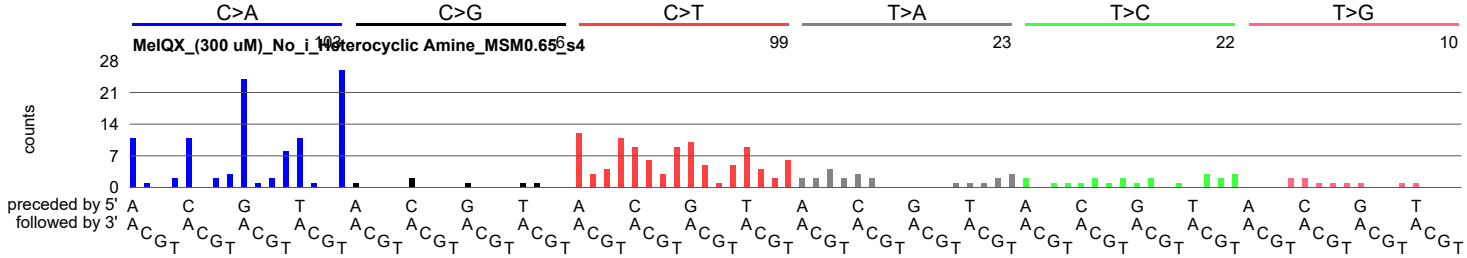

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control_No_a_Control_MSM0.128_s4
8
76
23
30
7
counts
preceded by 5'
followed by 3'

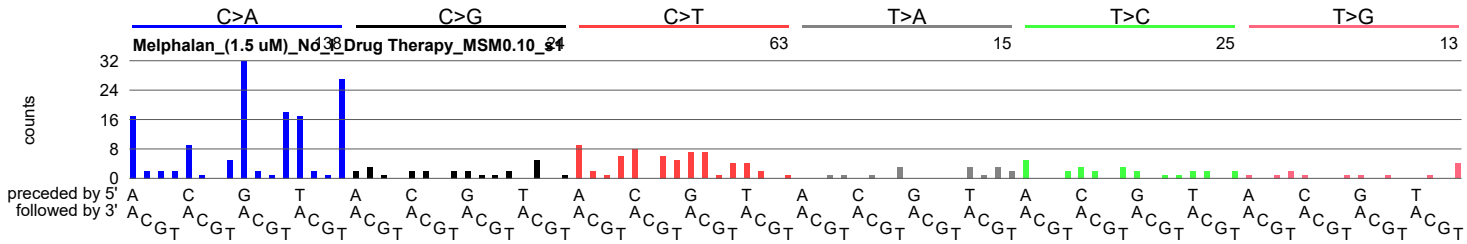

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control_No_a_Control_MSM0.8_s1
149
7
52
5
16
4
counts
preceded by 5'
followed by 3'

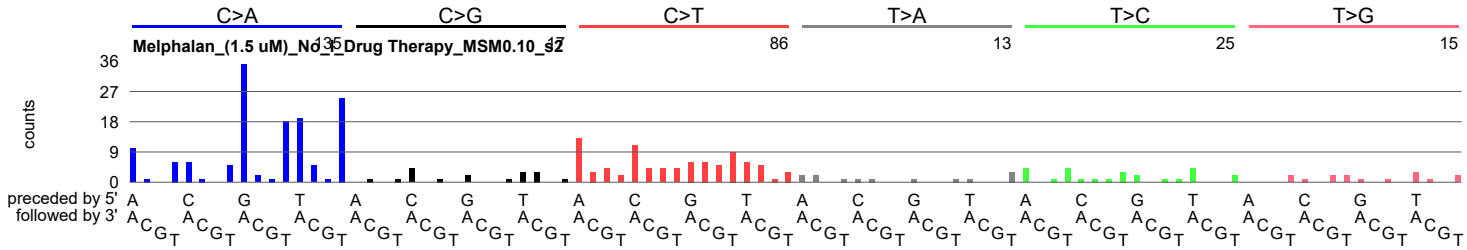

C>A
C>G
C>T
T>A
T>C
T>G
Media_Control_No_a_Control_MSM0.8_s2
133
8
46
8
14
2
counts
preceded by 5'
followed by 3'

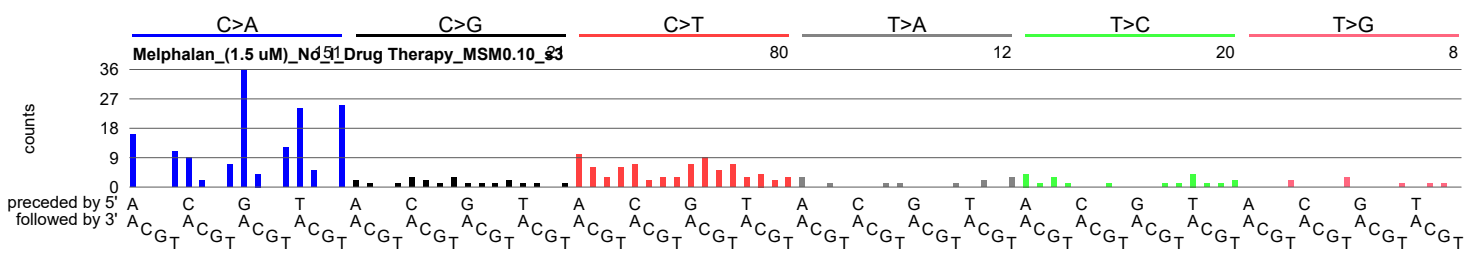

C>A
C>G
C>T
T>A
T>C
T>G
MeIQX_(300 uM)_No_i_Heterocyclic Amine_MSM0.65_s1
117
8
100
15
25
1
counts
preceded by 5'
followed by 3'

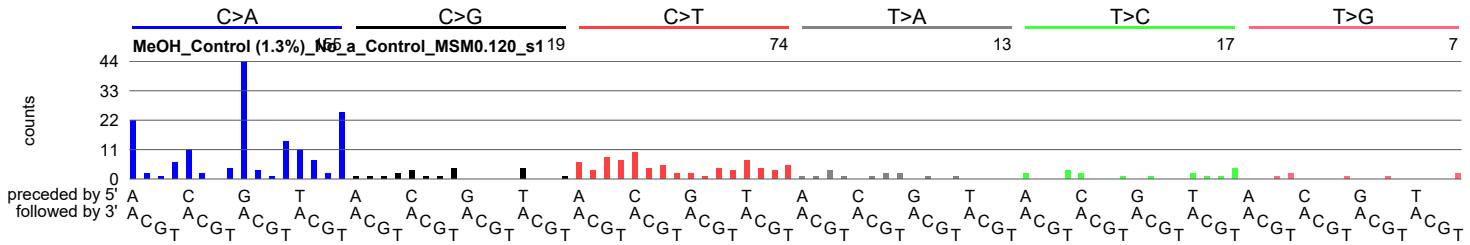

C>A
C>G
C>T
T>A
T>C
T>G
MeIQX_(300 uM)_No_i_Heterocyclic Amine_MSM0.65_s3
161
50
86
16
21
9
counts
preceded by 5'
followed by 3'

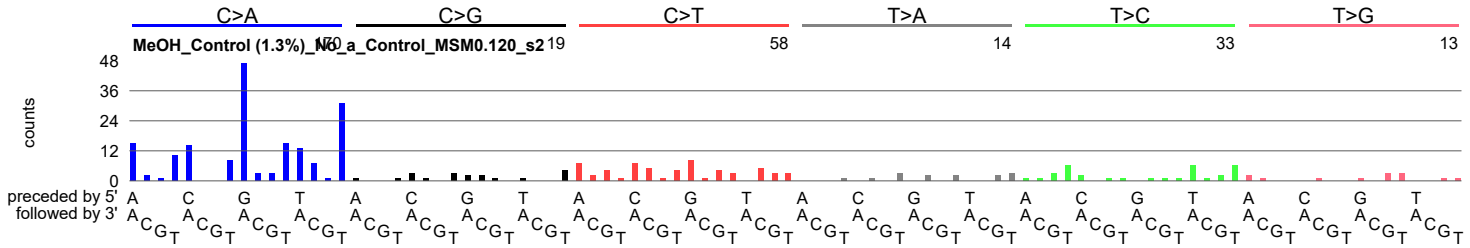

C>A
C>G
C>T
T>A
T>C
T>G
MeIQX_(300 uM)_No_i_Heterocyclic Amine_MSM0.65_s4
103
6
99
23
22
10
counts
preceded by 5'
followed by 3'

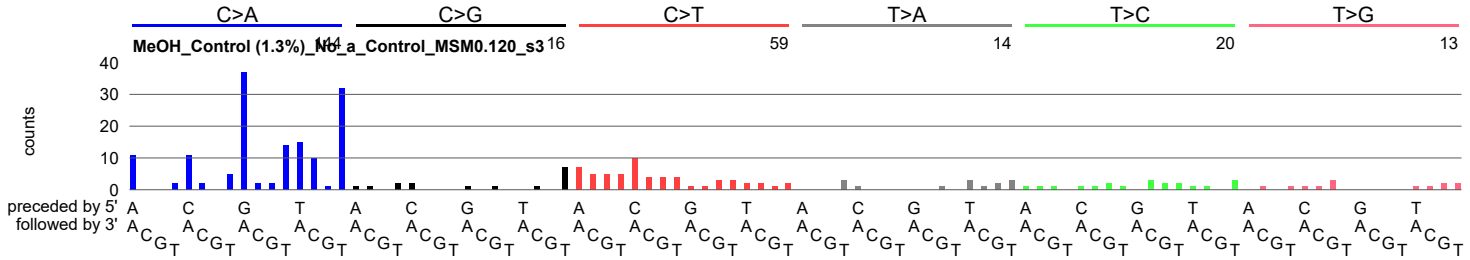

C>A
C>G
C>T
T>A
T>C
T>G
Melphalan_(1.5 uM)_No_Drug Therapy_MSM0.10_s1
138
24
63
15
25
13
counts
preceded by 5'
followed by 3'

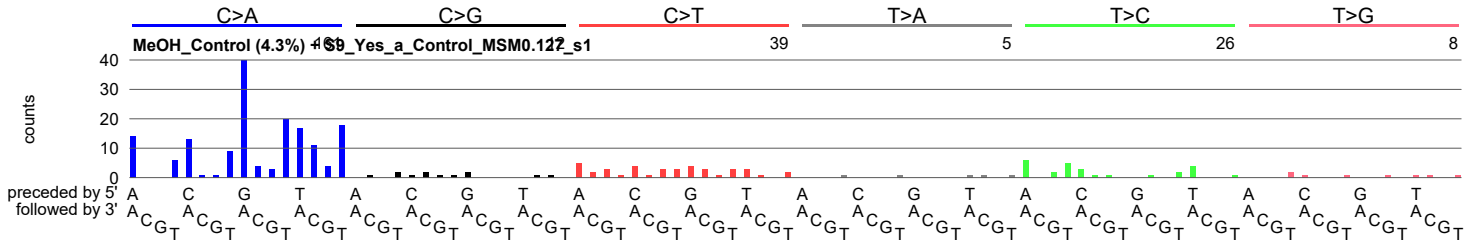

C>A
C>G
C>T
T>A
T>C
T>G
Melphalan_(1.5 uM)_No_Drug Therapy_MSM0.10_s2
135
17
86
13
25
15
counts
preceded by 5'
followed by 3'

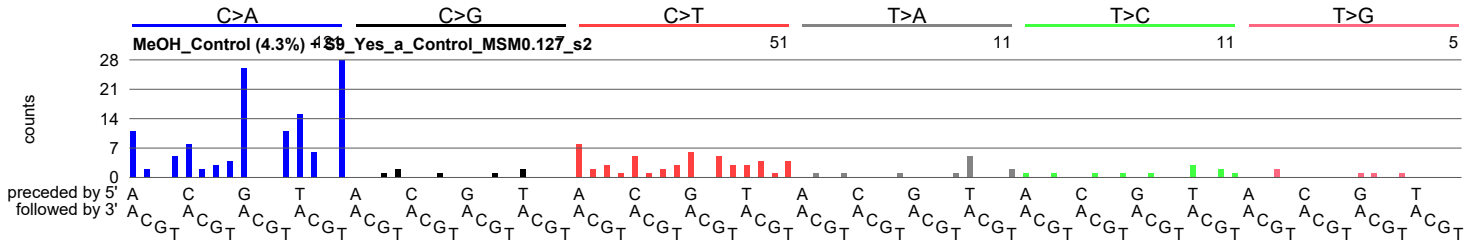

C>A
C>G
C>T
T>A
T>C
T>G
Melphalan_(1.5 uM)_No_Drug Therapy_MSM0.10_s3
151
21
80
12
20
8
counts
preceded by 5'
followed by 3'

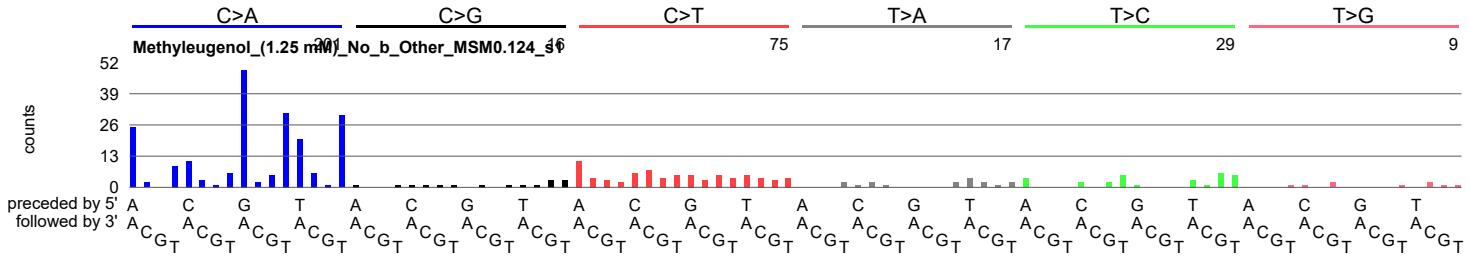

C>A 155
C>G 19
C>T 74
T>A 13
T>C 17
T>G 7
MeOH_Control (1.3%)_No_a_Control_MSM0.120_s1
counts
preceded by 5'
followed by 3'

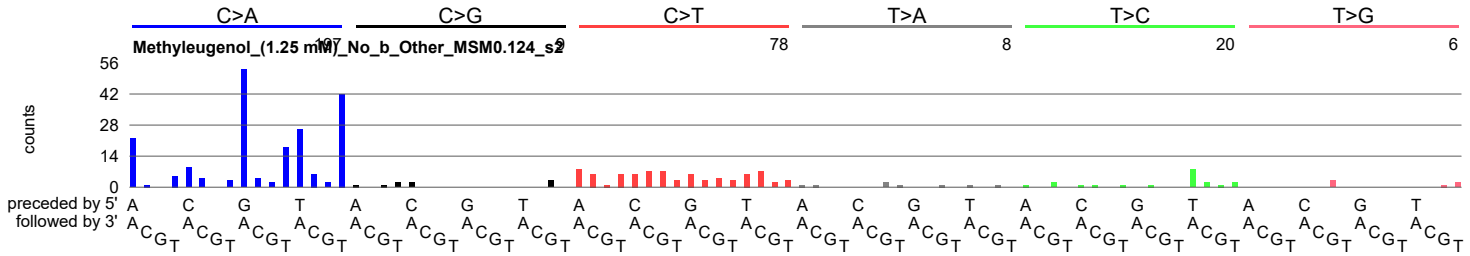

C>A 170
C>G 19
C>T 58
T>A 14
T>C 33
T>G 13
MeOH_Control (1.3%)_No_a_Control_MSM0.120_s2
counts
preceded by 5'
followed by 3'

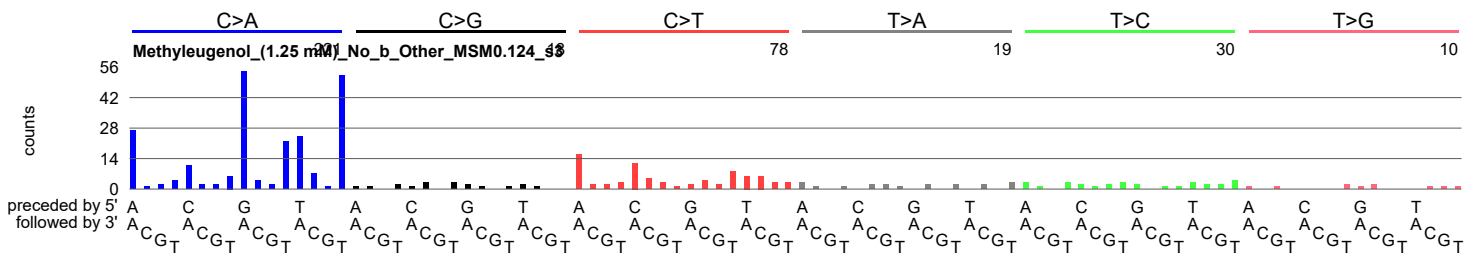

C>A 114
C>G 16
C>T 59
T>A 14
T>C 20
T>G 13
MeOH_Control (1.3%)_No_a_Control_MSM0.120_s3
counts
preceded by 5'
followed by 3'

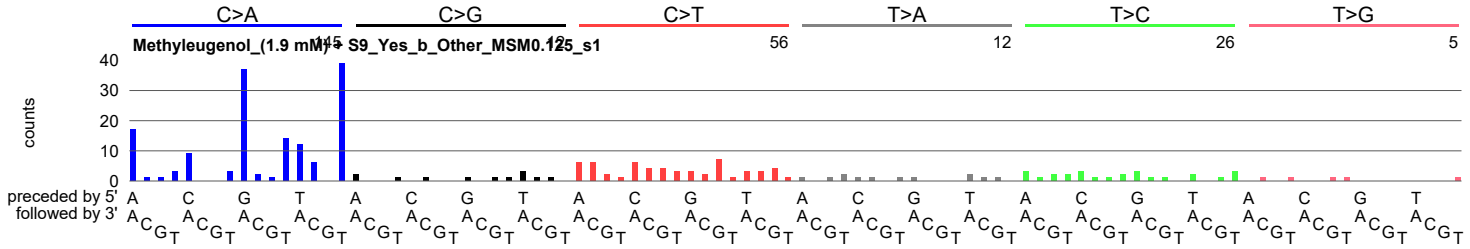

C>A 139
C>G 12
C>T 39
T>A 5
T>C 26
T>G 8
MeOH_Control (4.3%) +S9_Yes_a_Control_MSM0.127_s1
counts
preceded by 5'
followed by 3'

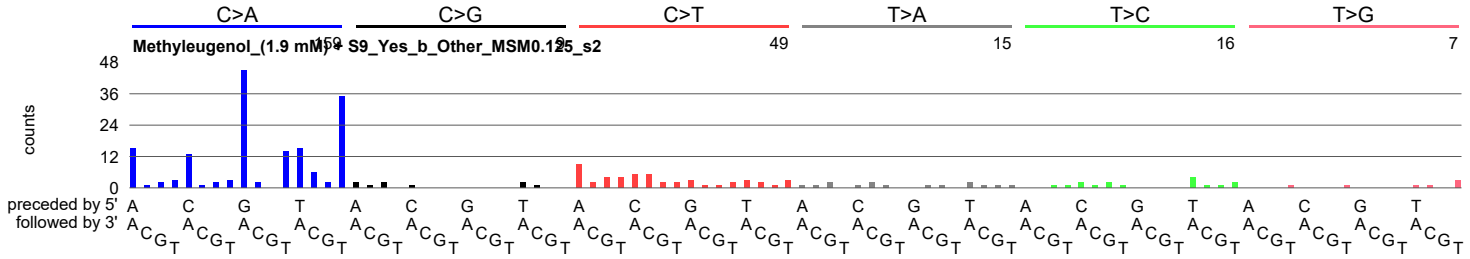

C>A 139
C>G 17
C>T 51
T>A 11
T>C 11
T>G 5
MeOH_Control (4.3%) +S9_Yes_a_Control_MSM0.127_s2
counts
preceded by 5'
followed by 3'

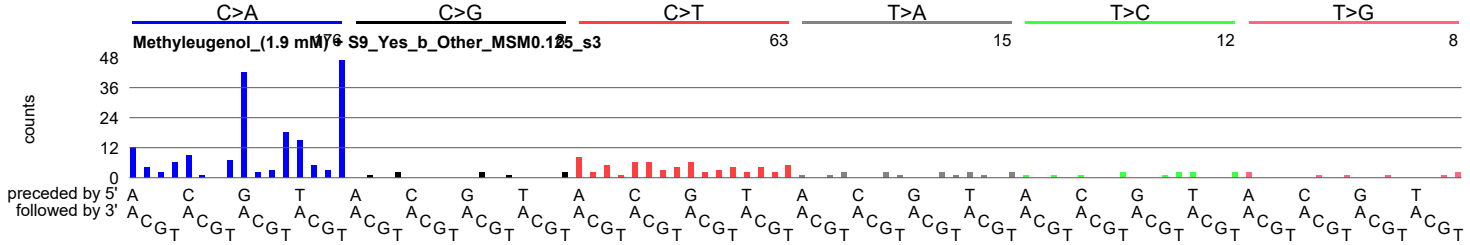

C>A 201
C>G 16
C>T 75
T>A 17
T>C 29
T>G 9
Methyleugenol_(1.25 mM)_No_b_Other_MSM0.124_s1
counts
preceded by 5'
followed by 3'

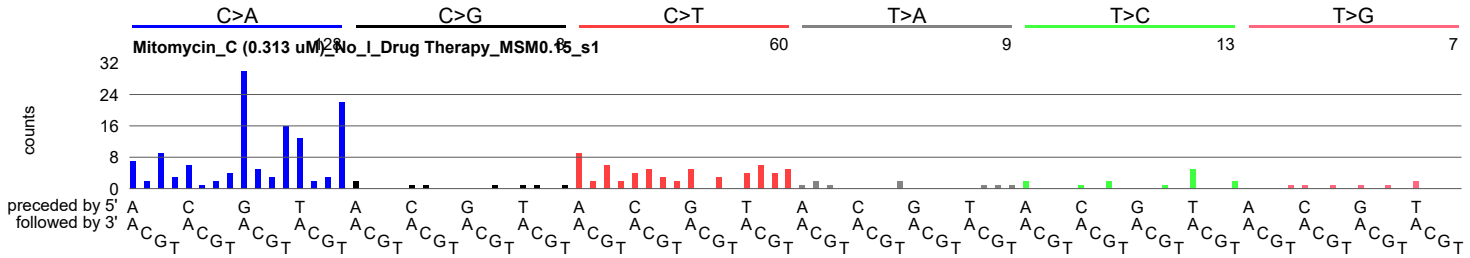

C>A 197
C>G 9
C>T 78
T>A 8
T>C 20
T>G 6
Methyleugenol_(1.25 mM)_No_b_Other_MSM0.124_s2
counts
preceded by 5'
followed by 3'

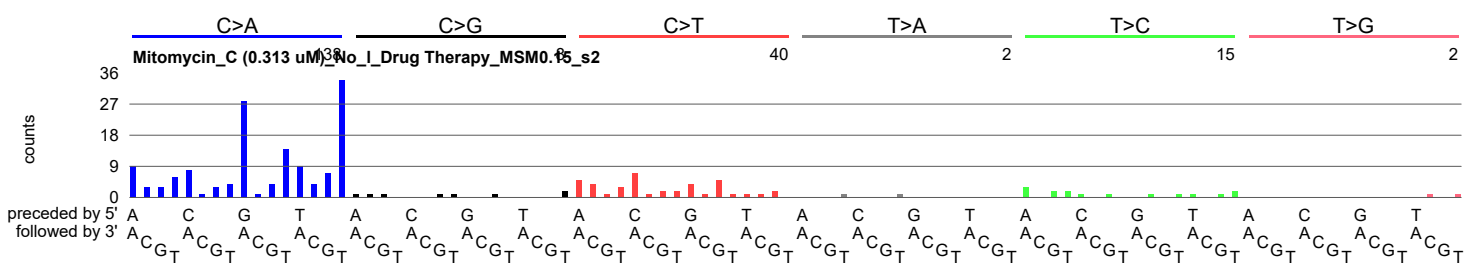

C>A 201
C>G 13
C>T 78
T>A 19
T>C 30
T>G 10
Methyleugenol_(1.25 mM)_No_b_Other_MSM0.124_s3
counts
preceded by 5'
followed by 3'

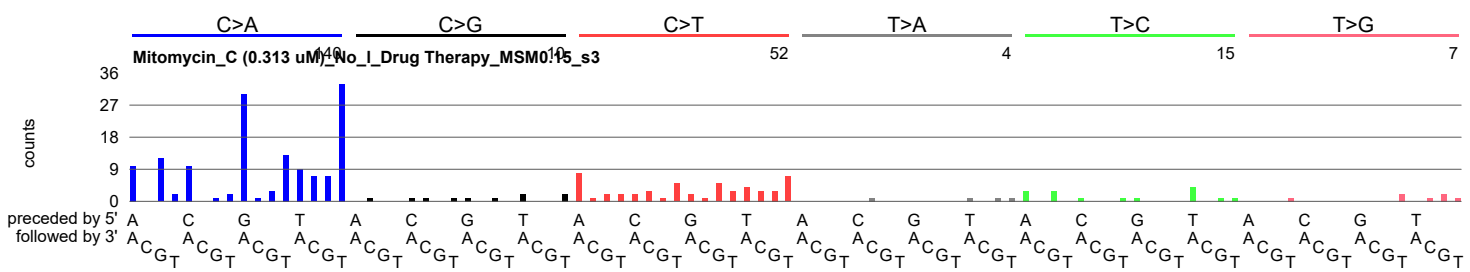

C>A
C>G
C>T
T>A
T>C
T>G
Methyleugenol_(1.9 mM)+S9_Yes_b_Other_MSM0.125_s1
115
12
56
12
26
5
counts
preceded by 5'
followed by 3'

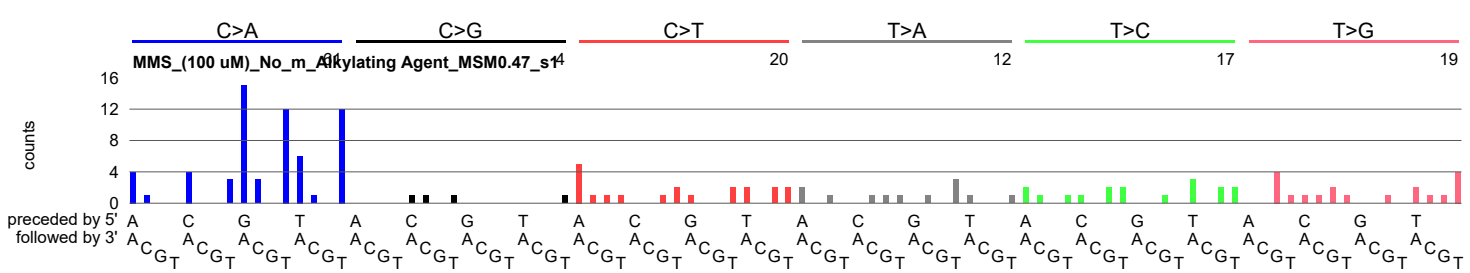

C>A
C>G
C>T
T>A
T>C
T>G
Methyleugenol_(1.9 mM)+S9_Yes_b_Other_MSM0.125_s2
159
49
15
16
7
counts
preceded by 5'
followed by 3'

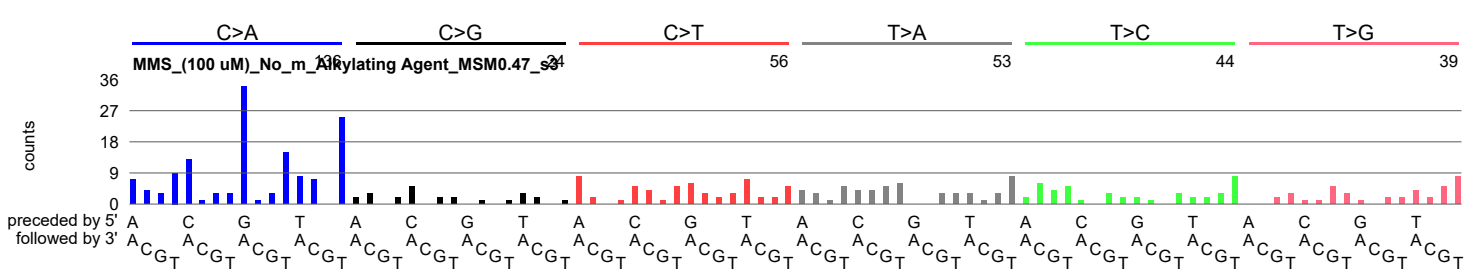

C>A
C>G
C>T
T>A
T>C
T>G
Methyleugenol_(1.9 mM)+S9_Yes_b_Other_MSM0.125_s3
176
63
15
12
8
counts
preceded by 5'
followed by 3'

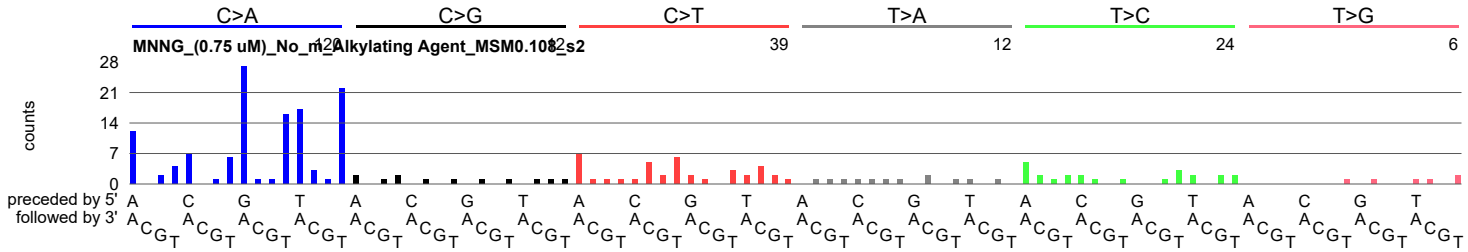

C>A
C>G
C>T
T>A
T>C
T>G
Mitomycin_C (0.313 uM)_No_I_Drug Therapy_MSM0.15_s1
60
9
13
7
counts
preceded by 5'
followed by 3'

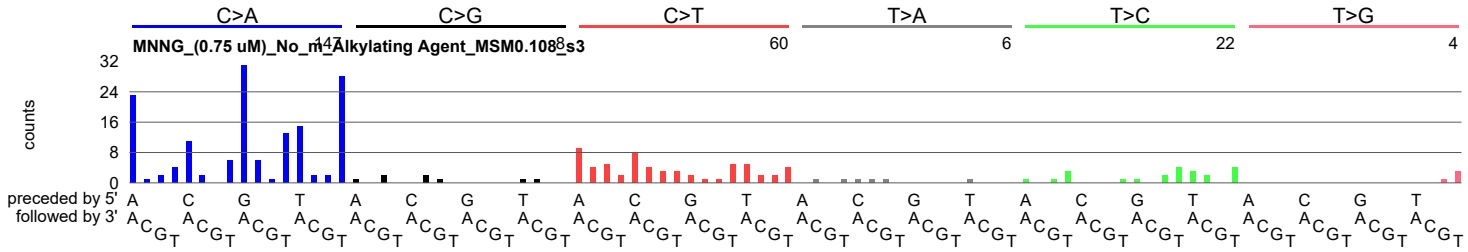

C>A
C>G
C>T
T>A
T>C
T>G
Mitomycin_C (0.313 uM)_No_I_Drug Therapy_MSM0.15_s2
40
2
15
2
counts
preceded by 5'
followed by 3'

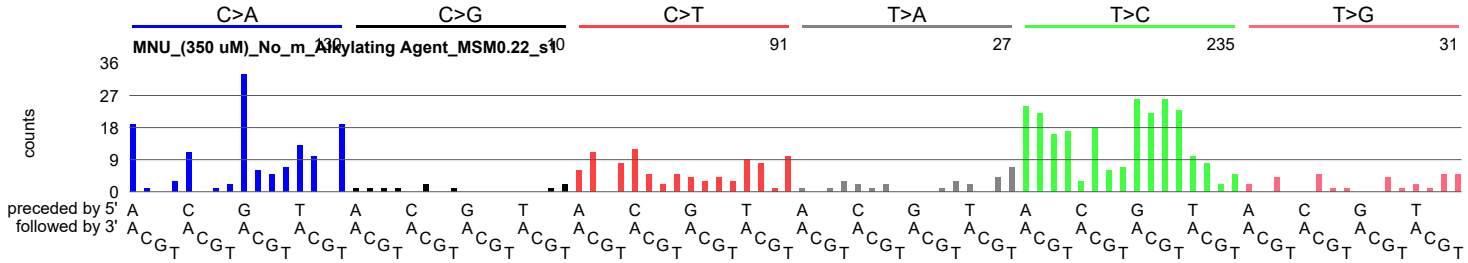

C>A
C>G
C>T
T>A
T>C
T>G
Mitomycin_C (0.313 uM)_No_I_Drug Therapy_MSM0.15_s3
52
4
15
7
counts
preceded by 5'
followed by 3'

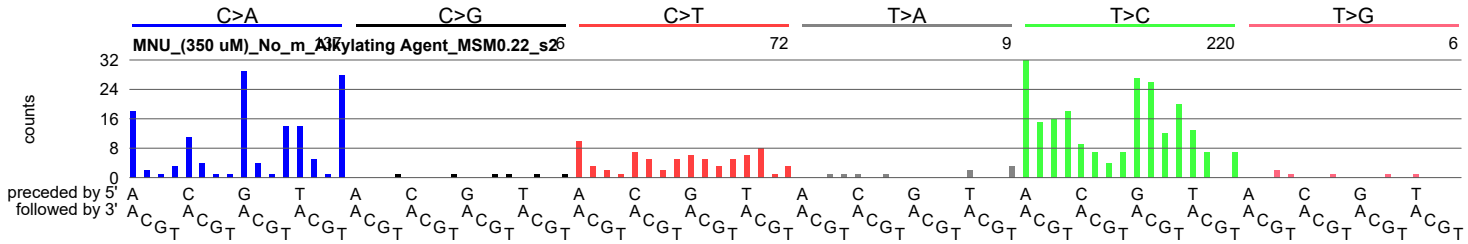

C>A
C>G
C>T
T>A
T>C
T>G
MMS_(100 uM)_No_m_Alkylating Agent_MSM0.47_s1
20
12
17
19
counts
preceded by 5'
followed by 3'

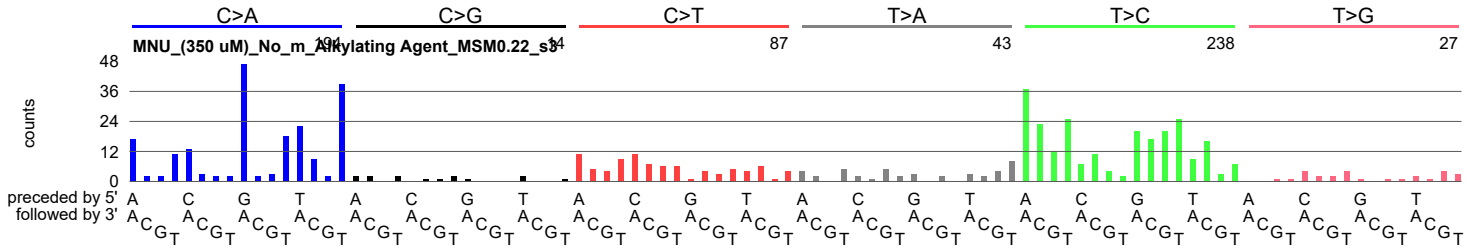

C>A
C>G
C>T
T>A
T>C
T>G
MMS_(100 uM)_No_m_Alkylating Agent_MSM0.47_s3
56
53
44
39
counts
preceded by 5'
followed by 3'

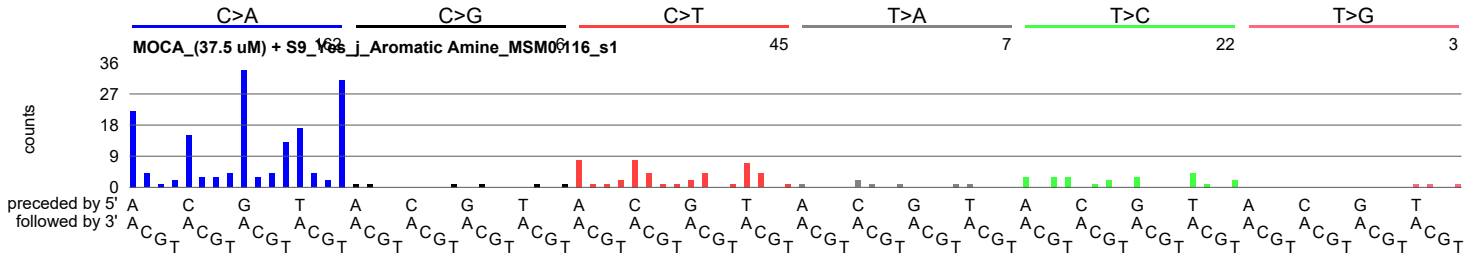

C>A
C>G
C>T
T>A
T>C
T>G
MNNG_(0.75 uM)_No_m_Alkylating Agent_MSM0.108_s2
120
82
39
12
24
6
counts
preceded by 5'
followed by 3'

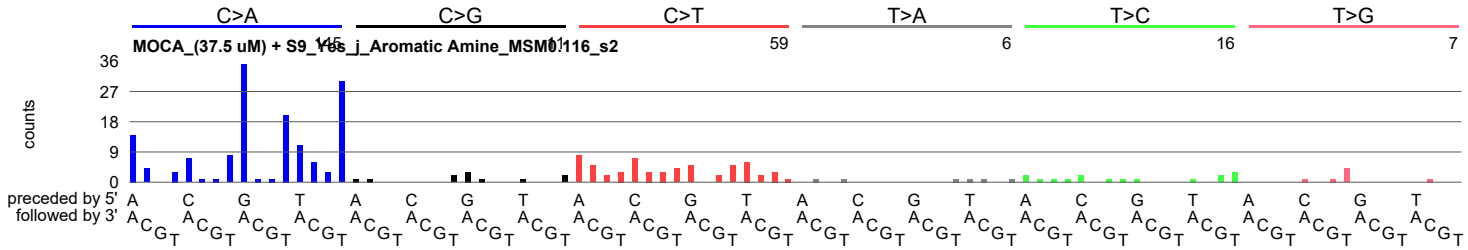

C>A
C>G
C>T
T>A
T>C
T>G
MNNG_(0.75 uM)_No_m_Alkylating Agent_MSM0.108_s3
147
88
60
6
22
4
counts
preceded by 5'
followed by 3'

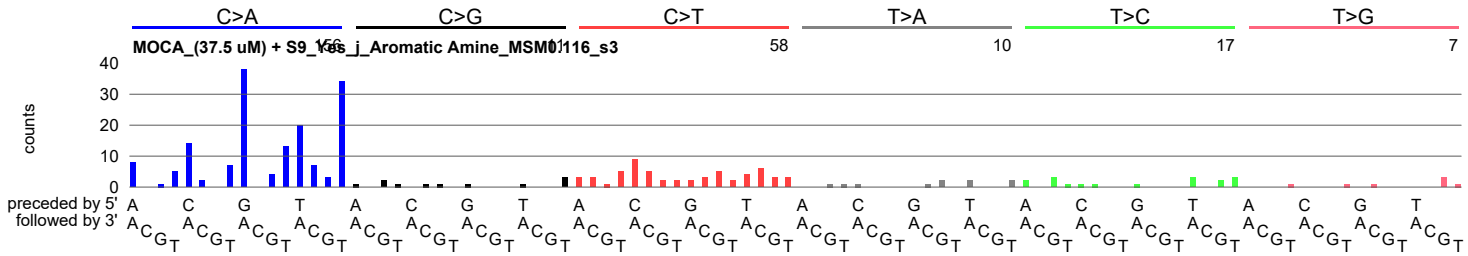

C>A
C>G
C>T
T>A
T>C
T>G
MNU_(350 uM)_No_m_Alkylating Agent_MSM0.22_s1
130
110
91
27
235
31
counts
preceded by 5'
followed by 3'

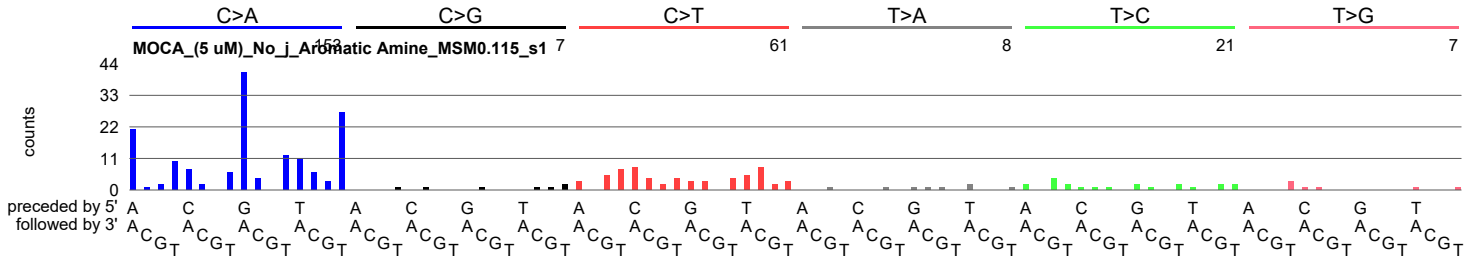

C>A
C>G
C>T
T>A
T>C
T>G
MNU_(350 uM)_No_m_Alkylating Agent_MSM0.22_s2
137
76
72
9
220
6
counts
preceded by 5'
followed by 3'

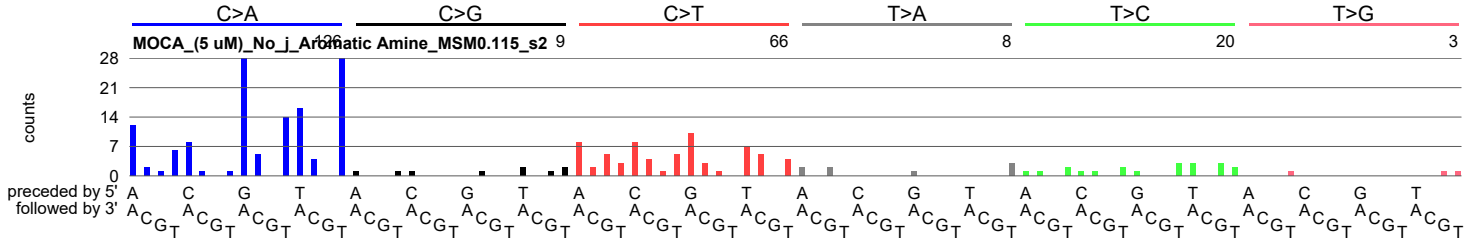

C>A
C>G
C>T
T>A
T>C
T>G
MNU_(350 uM)_No_m_Alkylating Agent_MSM0.22_s3
194
114
87
43
238
27
counts
preceded by 5'
followed by 3'

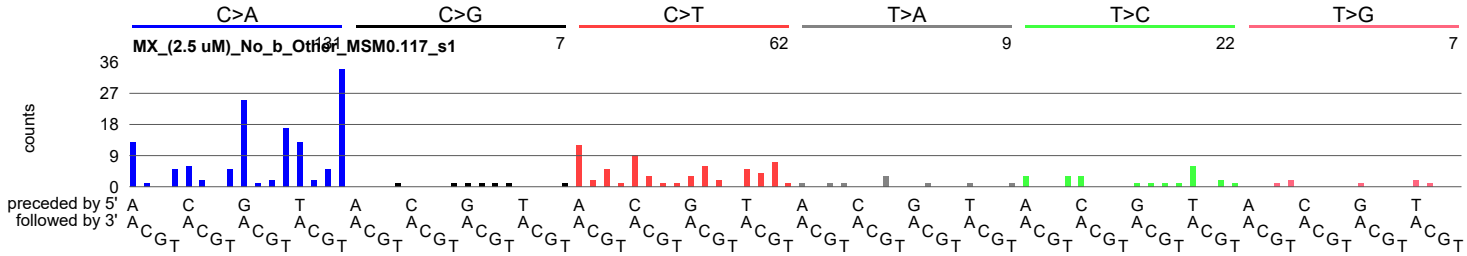

C>A
C>G
C>T
T>A
T>C
T>G
MOCA_(37.5 uM) + S9_Yes_j_Aromatic Amine_MSM0.116_s1
162
6
45
7
22
3
counts
preceded by 5'
followed by 3'

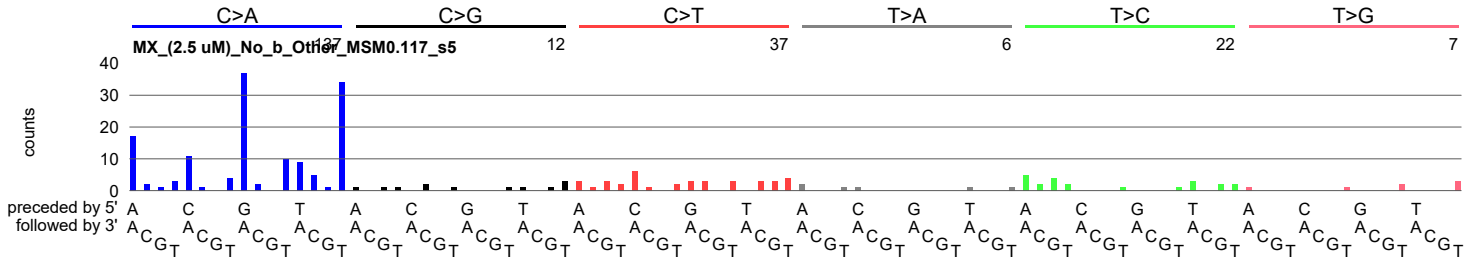

C>A
C>G
C>T
T>A
T>C
T>G
MOCA_(37.5 uM) + S9_Yes_j_Aromatic Amine_MSM0.116_s2
145
61
59
6
16
7
counts
preceded by 5'
followed by 3'

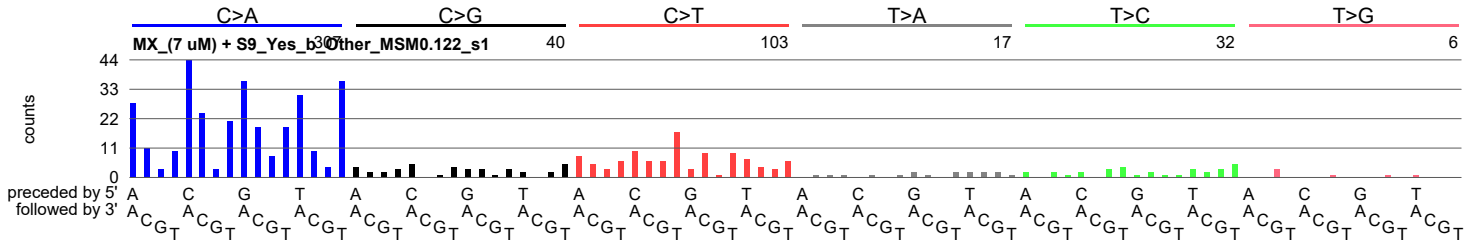

C>A
C>G
C>T
T>A
T>C
T>G
MOCA_(37.5 uM) + S9_Yes_j_Aromatic Amine_MSM0.116_s3
156
61
58
10
17
7
counts
preceded by 5'
followed by 3'

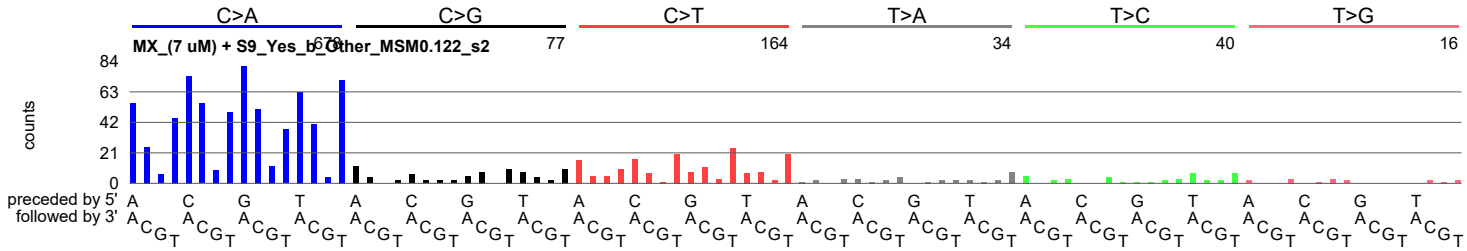

C>A
C>G
C>T
T>A
T>C
T>G
MOCA_(5 uM)_No_j_Aromatic Amine_MSM0.115_s1
152
7
61
8
21
7
counts
preceded by 5'
followed by 3'

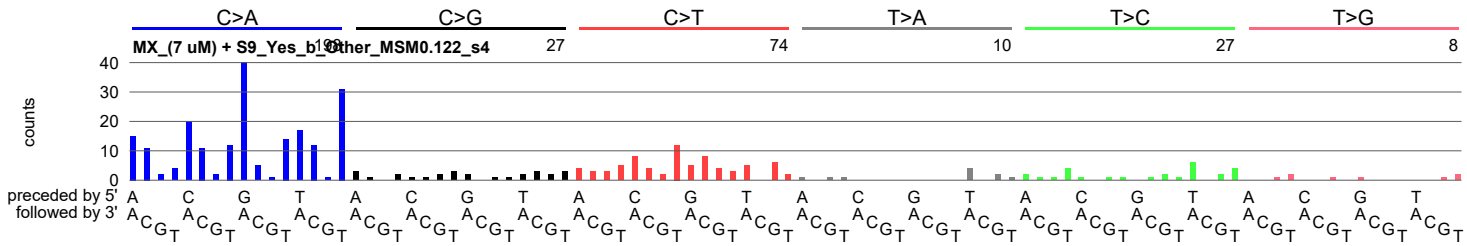

C>A
C>G
C>T
T>A
T>C
T>G
MOCA_(5 uM)_No_j_Aromatic Amine_MSM0.115_s2
126
9
66
8
20
3
counts
preceded by 5'
followed by 3'

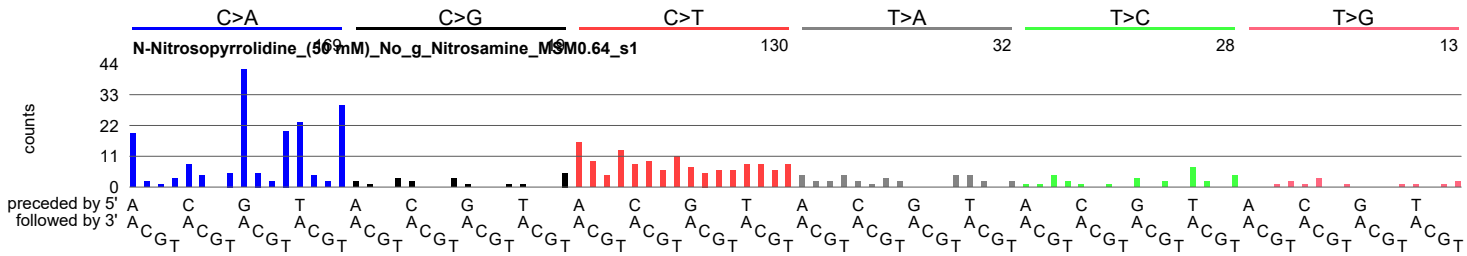

C>A
C>G
C>T
T>A
T>C
T>G
MX_(2.5 uM)_No_b_Other_MSM0.117_s1
121
7
62
9
22
7
counts
preceded by 5'
followed by 3'

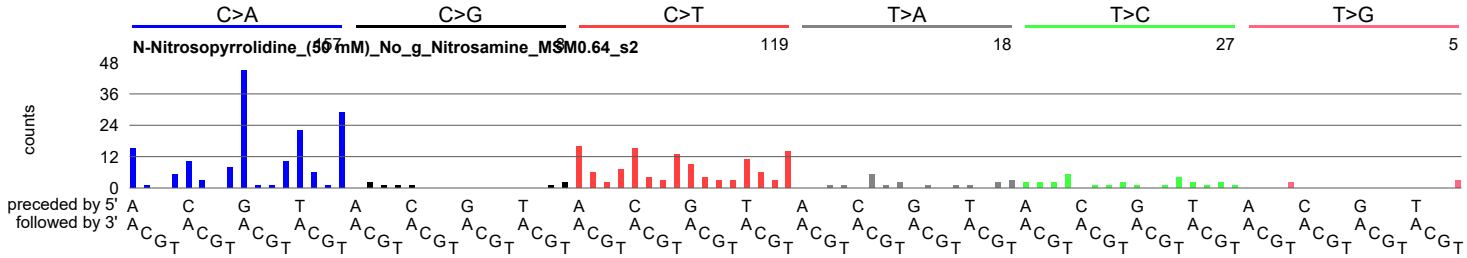

C>A
C>G
C>T
T>A
T>C
T>G
MX_(2.5 uM)_No_b_Other_MSM0.117_s5
127
12
37
6
22
7
counts
preceded by 5'
followed by 3'

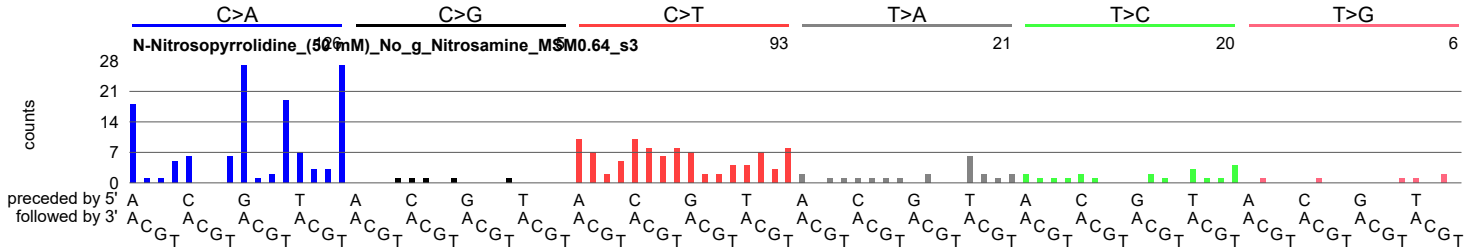

C>A
C>G
C>T
T>A
T>C
T>G
MX_(7 uM) + S9_Yes_b_Other_MSM0.122_s1
307
40
103
17
32
6
counts
preceded by 5'
followed by 3'

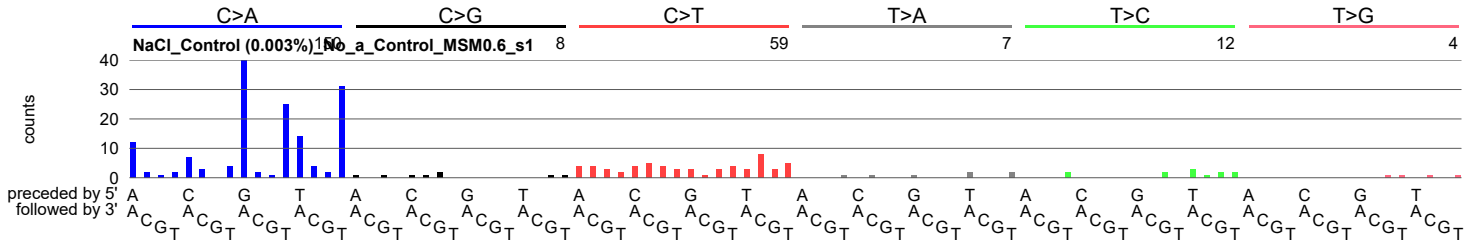

C>A
C>G
C>T
T>A
T>C
T>G
MX_(7 uM) + S9_Yes_b_Other_MSM0.122_s2
77
164
34
40
16
counts
preceded by 5'
followed by 3'

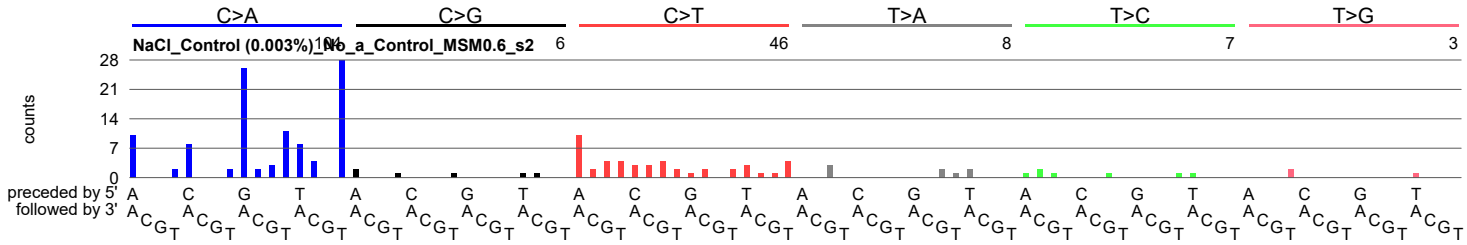

C>A
C>G
C>T
T>A
T>C
T>G
MX_(7 uM) + S9_Yes_b_Other_MSM0.122_s4
27
74
10
27
8
counts
preceded by 5'
followed by 3'

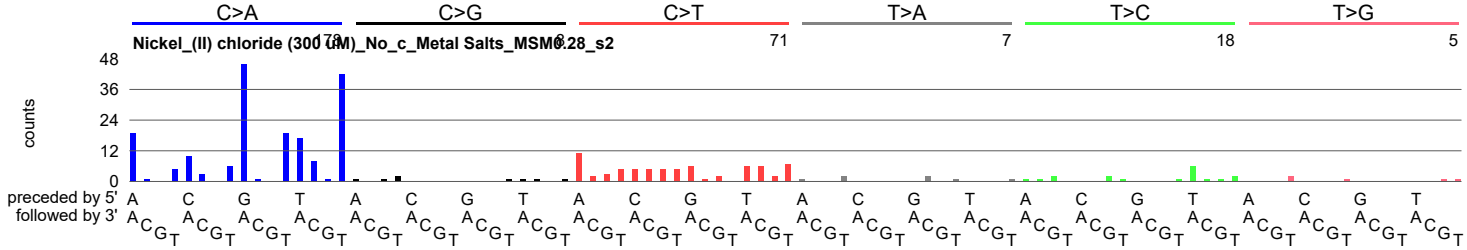

C>A
C>G
C>T
T>A
T>C
T>G
N-Nitrosopyrrolidine_(50 mM)_No_g_Nitrosamine_MSM0.64_s1
130
32
28
13
counts
preceded by 5'
followed by 3'

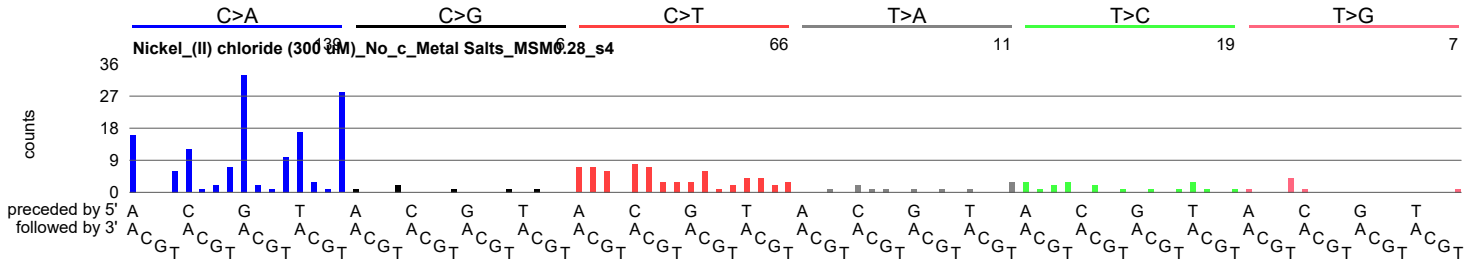

C>A
C>G
C>T
T>A
T>C
T>G
N-Nitrosopyrrolidine_(50 mM)_No_g_Nitrosamine_MSM0.64_s2
157
119
18
27
5
counts
preceded by 5'
followed by 3'

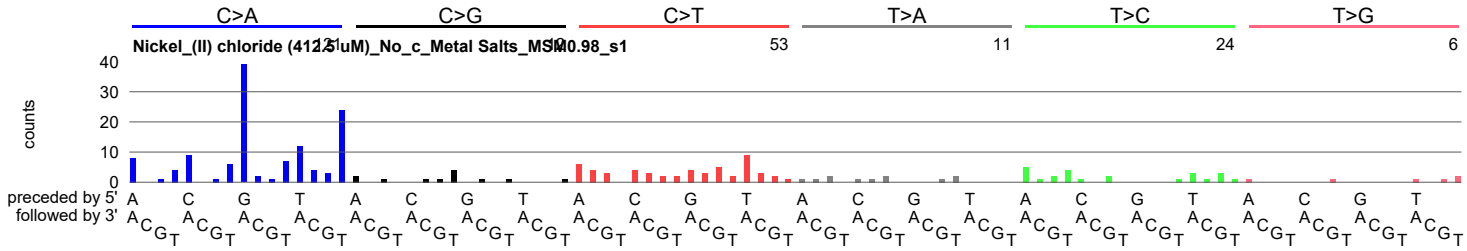

C>A
C>G
C>T
T>A
T>C
T>G
N-Nitrosopyrrolidine_(50 mM)_No_g_Nitrosamine_MSM0.64_s3
93
21
20
6
counts
preceded by 5'
followed by 3'

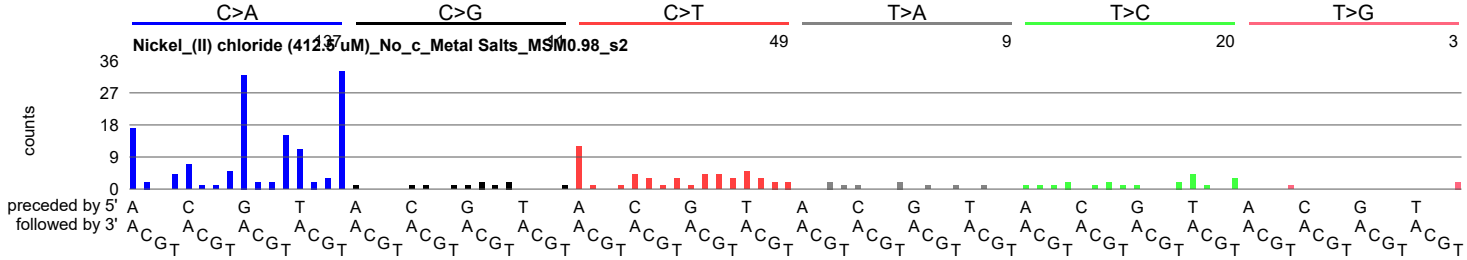

C>A
C>G
C>T
T>A
T>C
T>G
NaCl_Control (0.003%)_No_a_Control_MSM0.6_s1
8
59
7
12
4
counts
preceded by 5'
followed by 3'

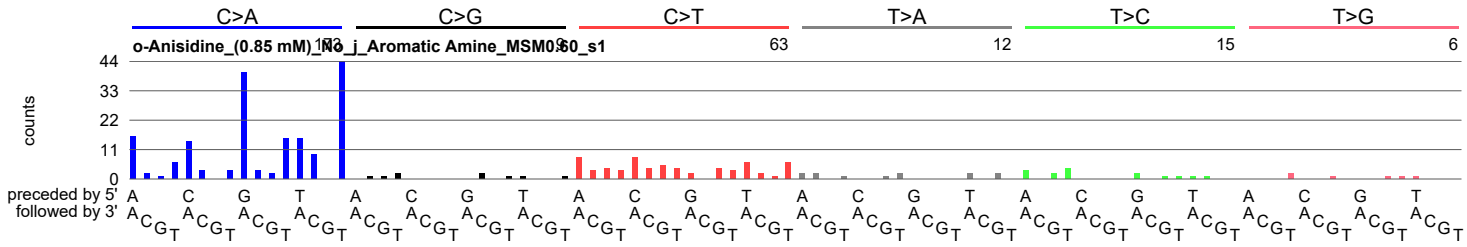

C>A
C>G
C>T
T>A
T>C
T>G
NaCl_Control (0.003%)_No_a_Control_MSM0.6_s2
6
46
8
7
3
counts
preceded by 5'
followed by 3'

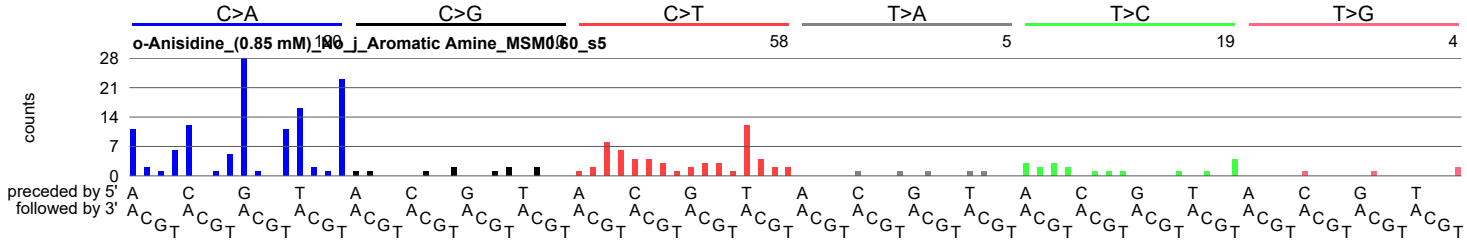

C>A
C>G
C>T
T>A
T>C
T>G
Nickel_(II) chloride (300 uM)_No_c_Metal Salts_MSM0.28_s2
71
7
18
5
counts
preceded by 5'
followed by 3'

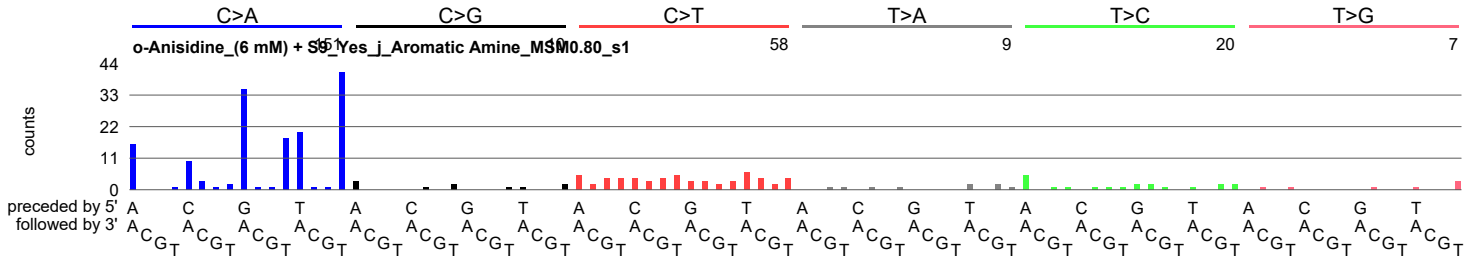

C>A
C>G
C>T
T>A
T>C
T>G
Nickel_(II) chloride (300 uM)_No_c_Metal Salts_MSM0.28_s4
66
11
19
7
counts
preceded by 5'
followed by 3'

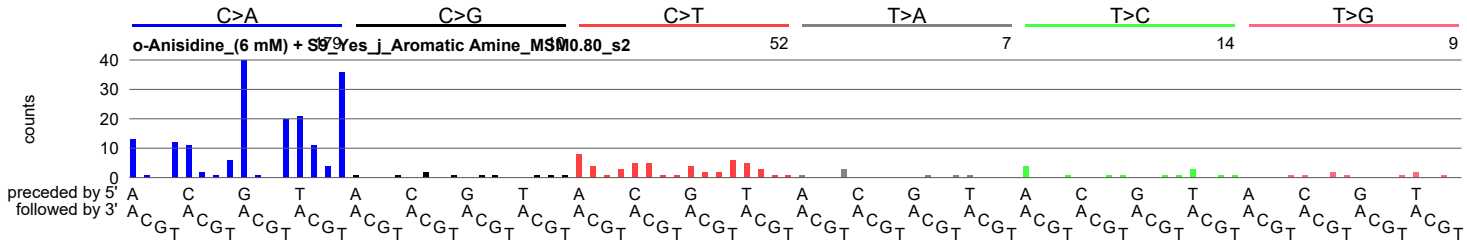

C>A
C>G
C>T
T>A
T>C
T>G
Nickel_(II) chloride (412.5 uM)_No_c_Metal Salts_MSM0.98_s1
53
11
24
6
counts
preceded by 5'
followed by 3'

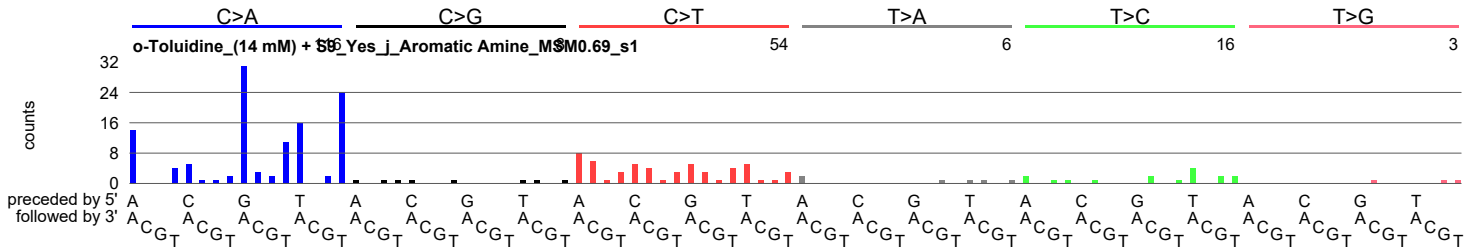

C>A
C>G
C>T
T>A
T>C
T>G
Nickel_(II) chloride (412.5 uM)_No_c_Metal Salts_MSM0.98_s2
49
9
20
3
counts
preceded by 5'
followed by 3'

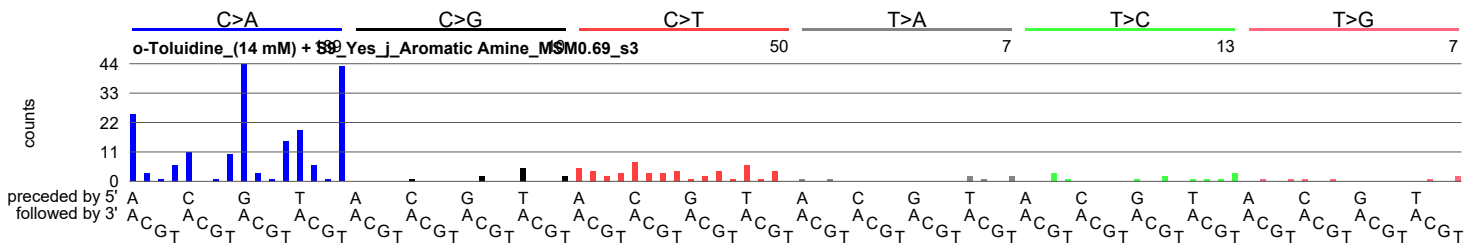

C>A
C>G
C>T
T>A
T>C
T>G
o-Anisidine_(0.85 mM)_No_j_Aromatic Amine_MSM0.60_s1
173
9
63
12
15
6
counts
preceded by 5'
followed by 3'

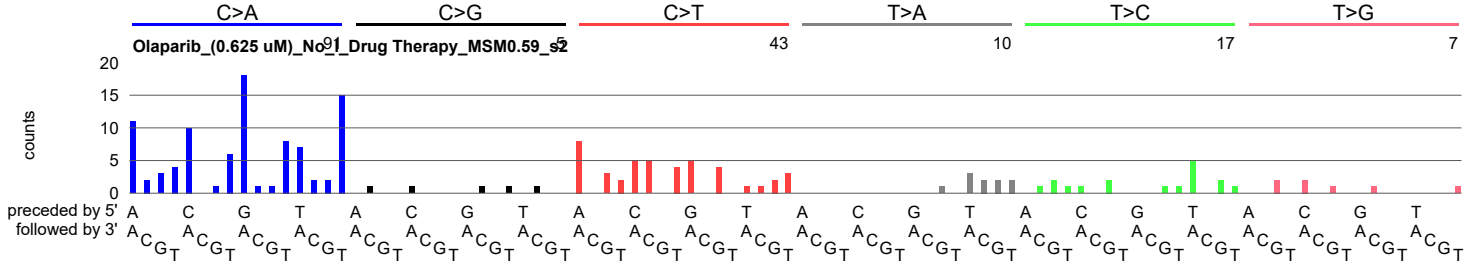

C>A
C>G
C>T
T>A
T>C
T>G
o-Anisidine_(0.85 mM)_No_j_Aromatic Amine_MSM0.60_s5
140
10
58
5
19
4
counts
preceded by 5'
followed by 3'

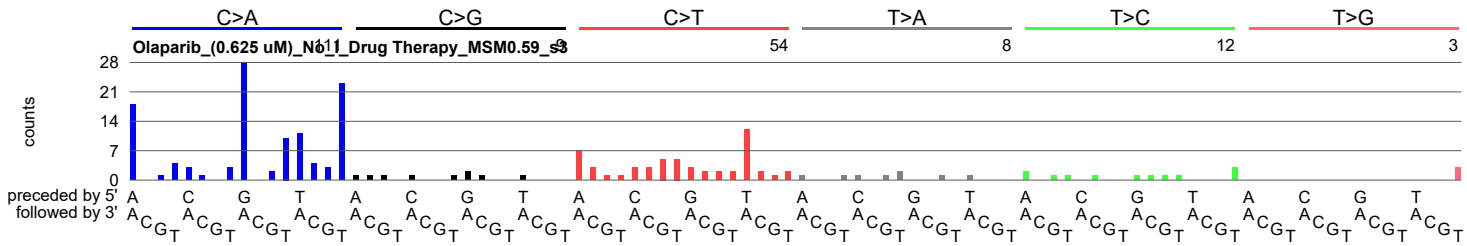

C>A
C>G
C>T
T>A
T>C
T>G
o-Anisidine_(6 mM) + S9_Yes_j_Aromatic Amine_MSM0.80_s1
151
10
58
9
20
7
counts
preceded by 5'
followed by 3'

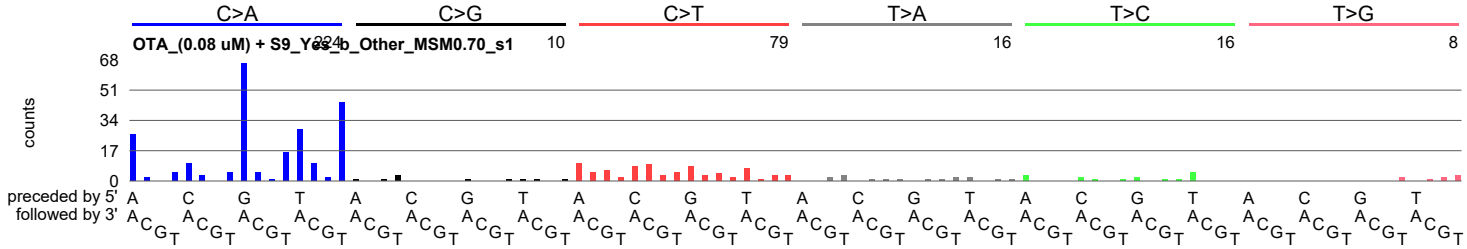

C>A
C>G
C>T
T>A
T>C
T>G
o-Anisidine_(6 mM) + S9_Yes_j_Aromatic Amine_MSM0.80_s2
179
10
52
7
14
9
counts
preceded by 5'
followed by 3'

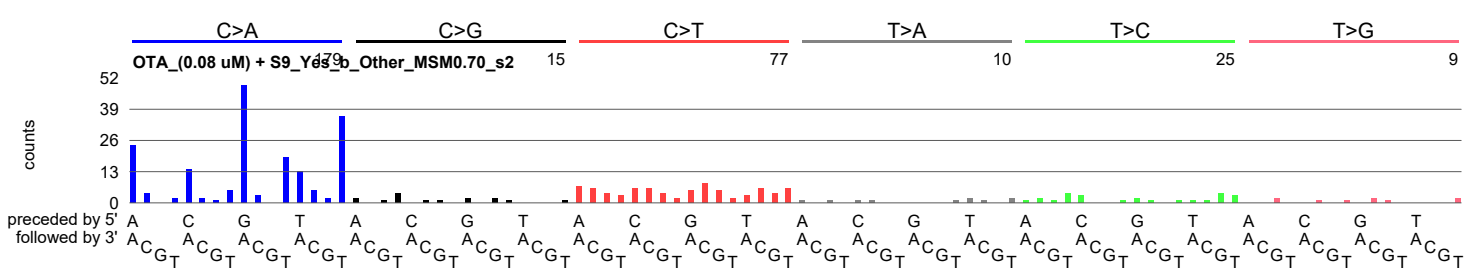

C>A
C>G
C>T
T>A
T>C
T>G
o-Toluidine_(14 mM) + S9_Yes_j_Aromatic Amine_MSM0.69_s1
116
9
54
6
16
3
counts
preceded by 5'
followed by 3'

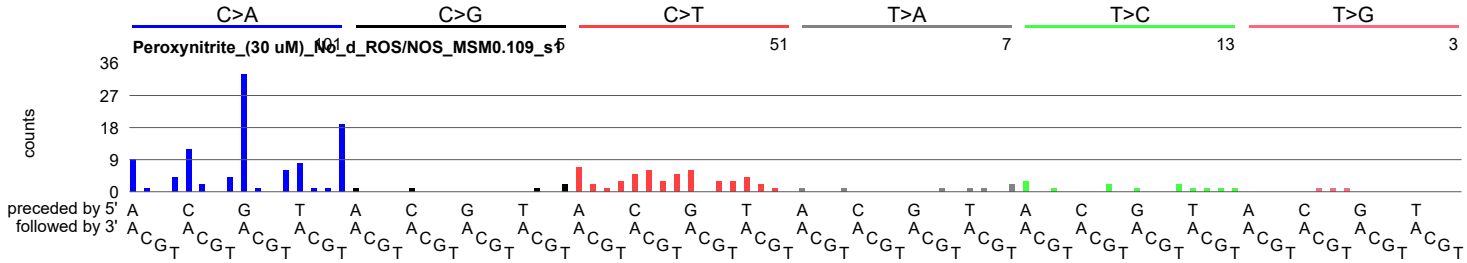

C>A
C>G
C>T
T>A
T>C
T>G
o-Toluidine_(14 mM) + S9_Yes_j_Aromatic Amine_MSM0.69_s3
189
9
50
7
13
7
counts
preceded by 5'
followed by 3'

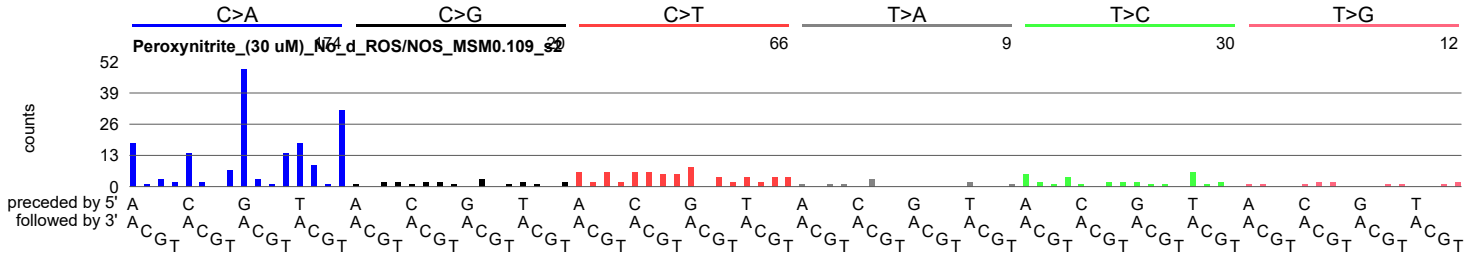

C>A
C>G
C>T
T>A
T>C
T>G
Olaparib_(0.625 uM)_No_Drug Therapy_MSM0.59_s2
91
5
43
10
17
7
counts
preceded by 5'
followed by 3'

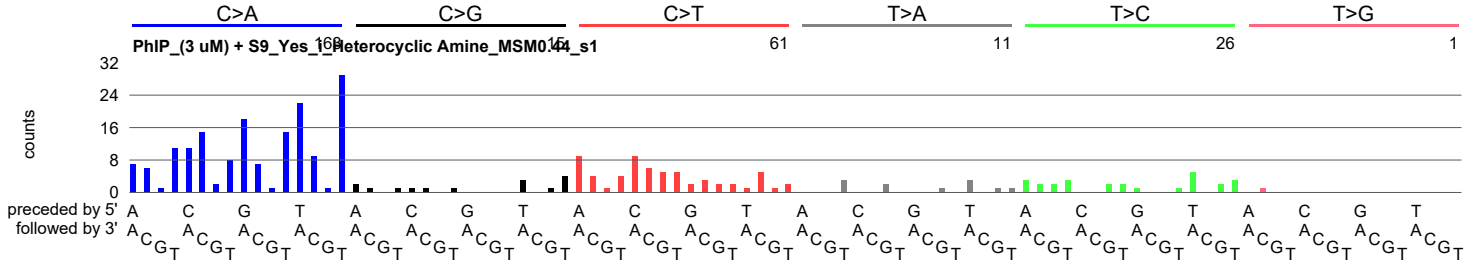

C>A
C>G
C>T
T>A
T>C
T>G
Olaparib_(0.625 uM)_No_Drug Therapy_MSM0.59_s3
111
9
54
8
12
3
counts
preceded by 5'
followed by 3'

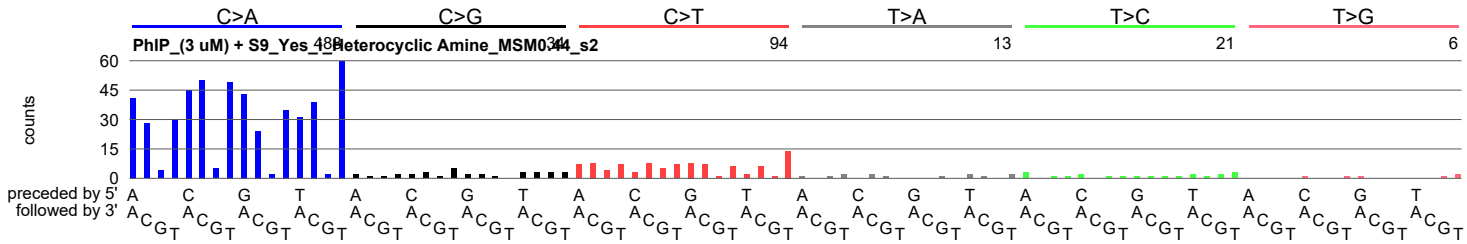

C>A
C>G
C>T
T>A
T>C
T>G
OTA_(0.08 uM) + S9_Yes_b_Other_MSM0.70_s1
224
10
79
16
16
8
counts
preceded by 5'
followed by 3'

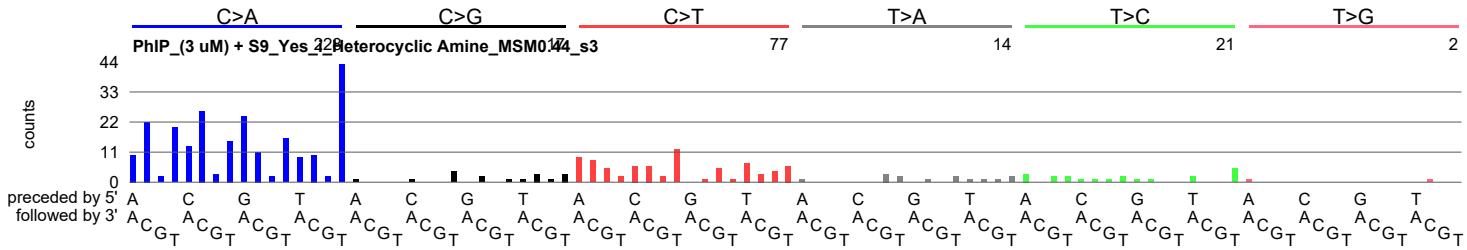

C>A
C>G
C>T
T>A
T>C
T>G
OTA_(0.08 uM) + S9_Yes_b_Other_MSM0.70_s2
179
15
77
10
25
9
counts
preceded by 5'
followed by 3'

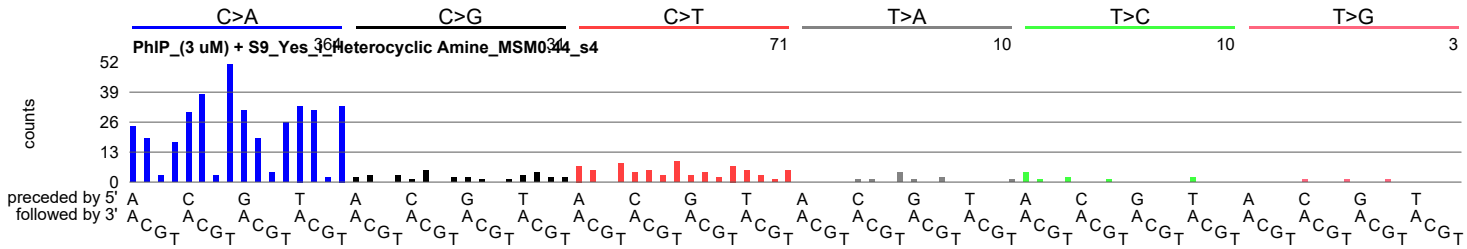

C>A
C>G
C>T
T>A
T>C
T>G
Peroxynitrite_(30 uM)_No_d_ROS/NOS_MSM0.109_s1
101
5
51
7
13
3
counts
preceded by 5'
followed by 3'

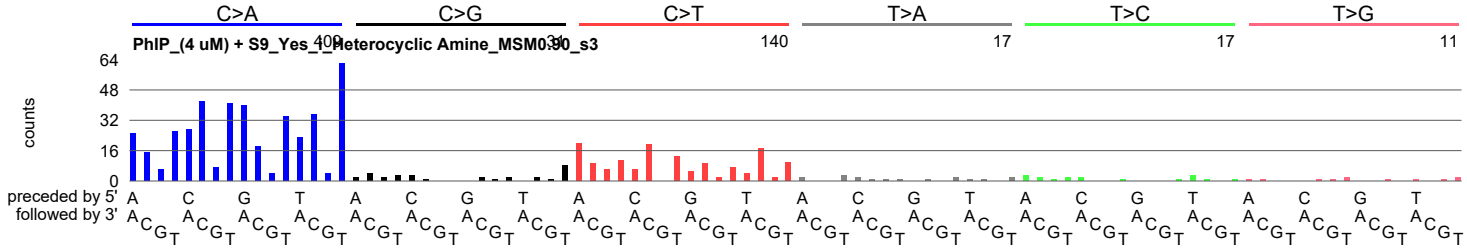

C>A
C>G
C>T
T>A
T>C
T>G
Peroxynitrite_(30 uM)_No_d_ROS/NOS_MSM0.109_s2
164
20
66
9
30
12
counts
preceded by 5'
followed by 3'

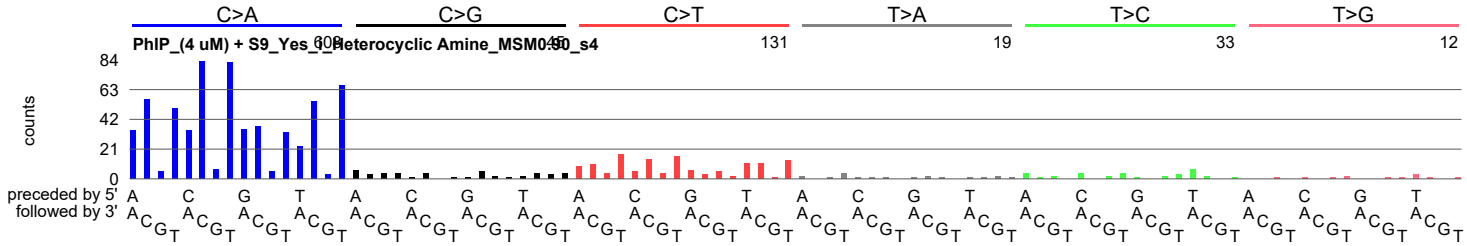

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(3 uM) + S9_Yes_Heterocyclic Amine_MSM0.44_s1
169
14
61
11
26
1
counts
preceded by 5'
followed by 3'

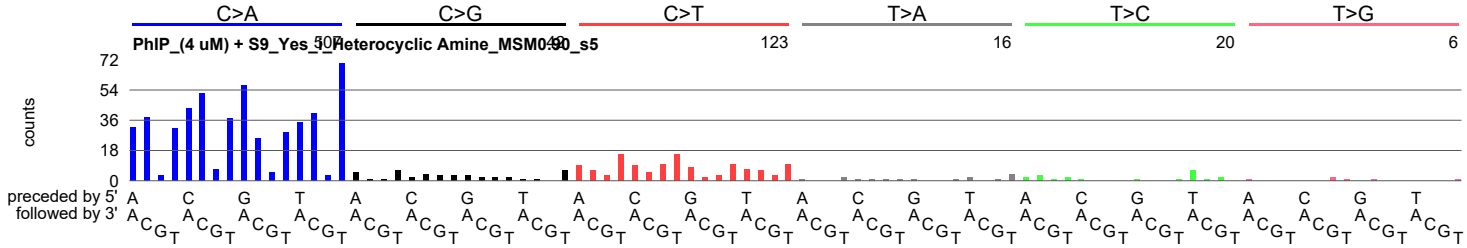

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(3 uM) + S9_Yes_Heterocyclic Amine_MSM0.44_s2
489
34
94
13
21
6
counts
preceded by 5'
followed by 3'

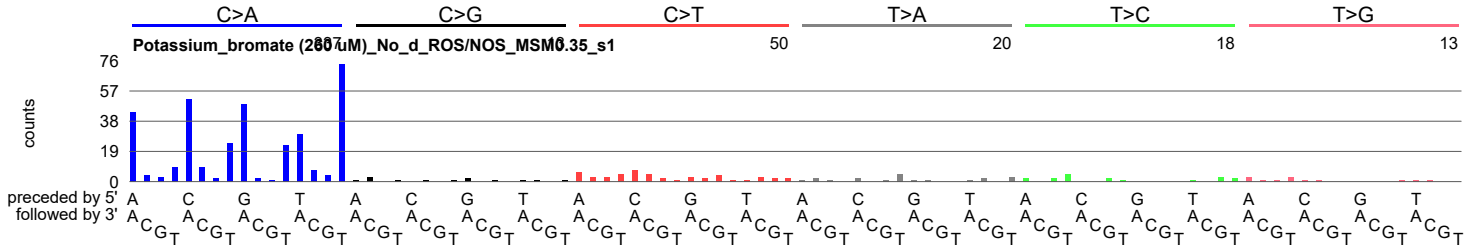

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(3 uM) + S9_Yes_Heterocyclic Amine_MSM0.44_s3
229
17
77
14
21
2
counts
preceded by 5'
followed by 3'

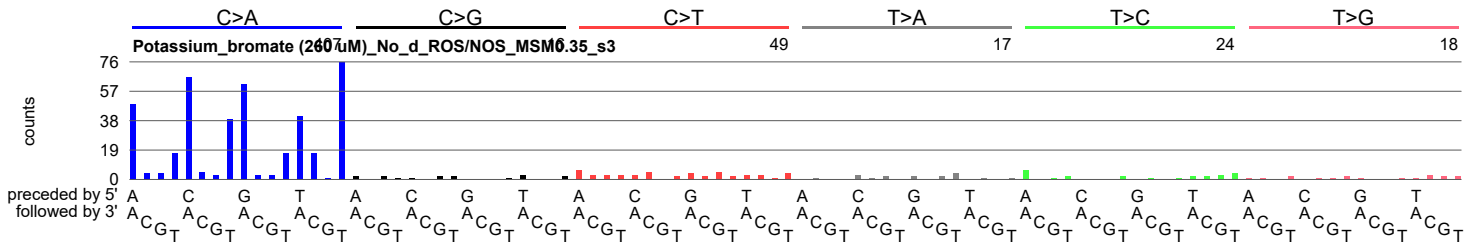

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(3 uM) + S9_Yes_Heterocyclic Amine_MSM0.44_s4
364
34
71
10
10
3
counts
preceded by 5'
followed by 3'

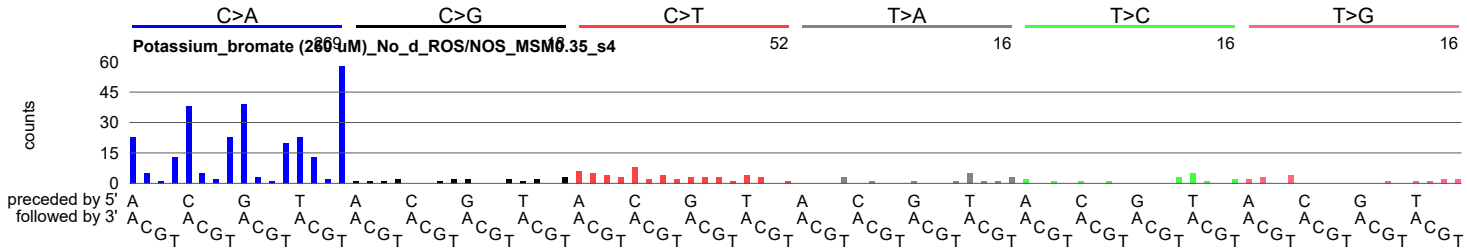

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(4 uM) + S9_Yes_Heterocyclic Amine_MSM0.90_s3
409
34
140
17
17
11
counts
64
48
32
16
0
preceded by 5'
followed by 3'

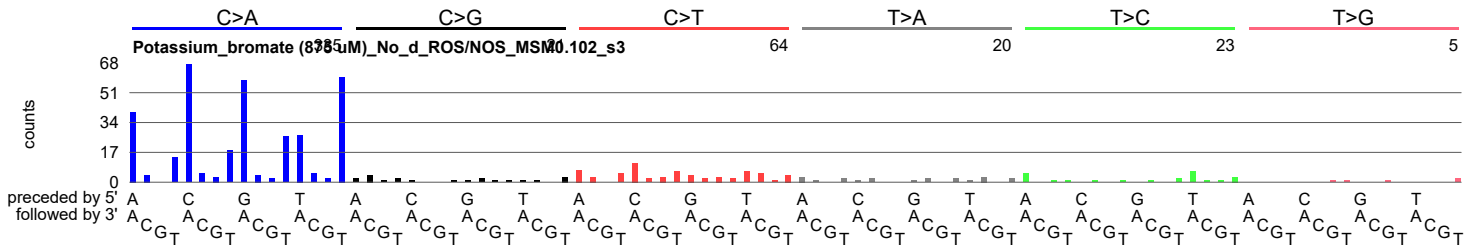

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(4 uM) + S9_Yes_Heterocyclic Amine_MSM0.90_s4
609
45
131
19
33
12
counts
84
63
42
21
0
preceded by 5'
followed by 3'

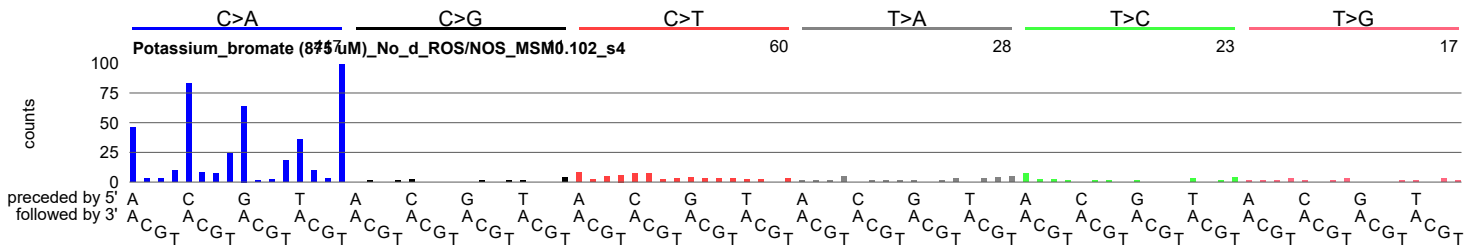

C>A
C>G
C>T
T>A
T>C
T>G
PhIP_(4 uM) + S9_Yes_Heterocyclic Amine_MSM0.90_s5
502
49
123
16
20
6
counts
72
54
36
18
0
preceded by 5'
followed by 3'

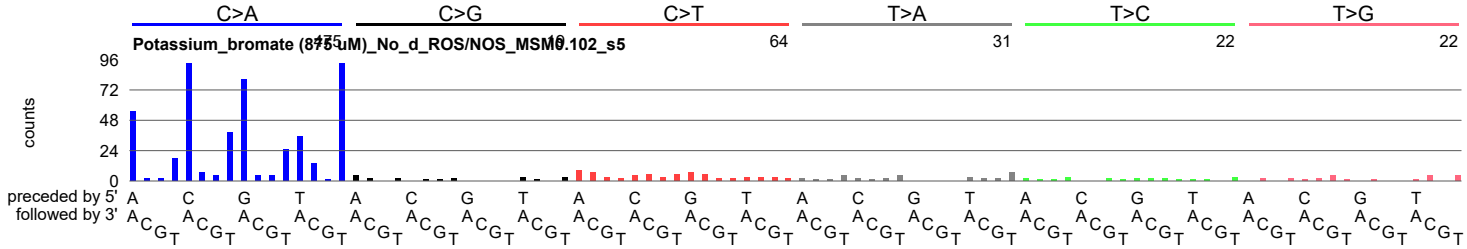

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (260 uM)_No_d_ROS/NOS_MSM0.35_s1
807
50
20
18
13
counts
76
57
38
19
0
preceded by 5'
followed by 3'

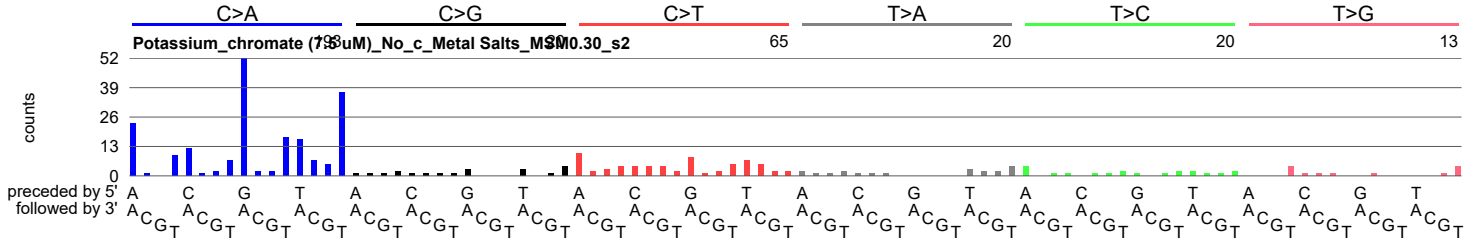

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (260 uM)_No_d_ROS/NOS_MSM0.35_s3
807
49
17
24
18
counts
76
57
38
19
0
preceded by 5'
followed by 3'

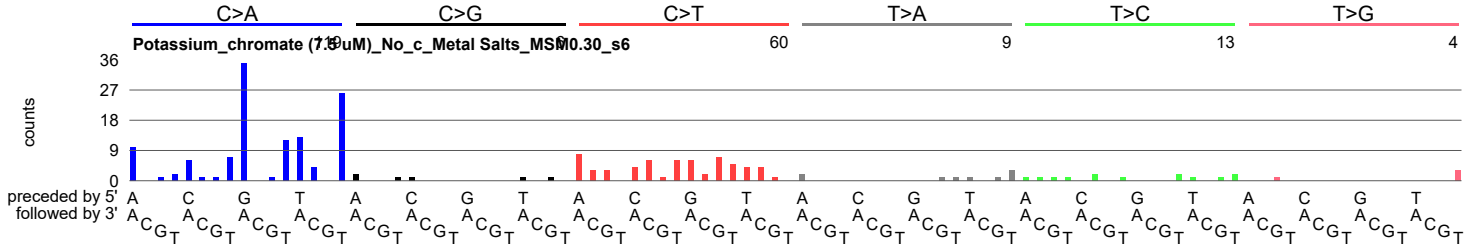

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (260 uM)_No_d_ROS/NOS_MSM0.35_s4
869
52
16
16
16
counts
60
45
30
15
0
preceded by 5'
followed by 3'

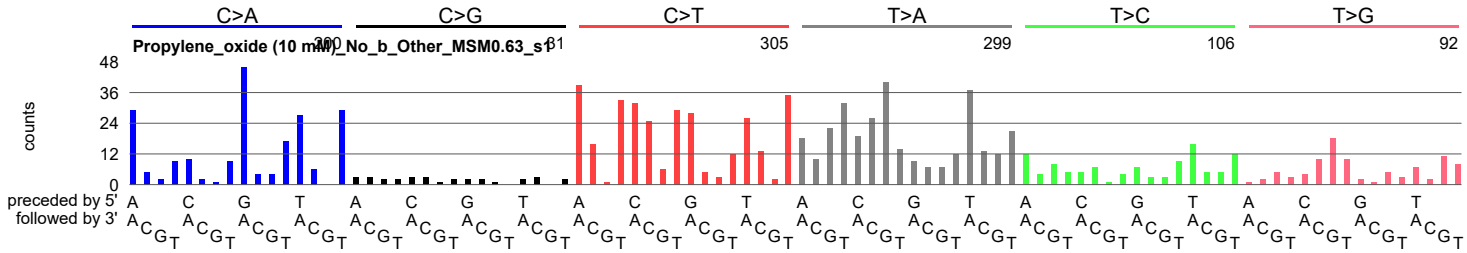

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (875 uM)_No_d_ROS/NOS_MSM0.102_s3
785
64
20
23
5
counts
68
51
34
17
0
preceded by 5'
followed by 3'

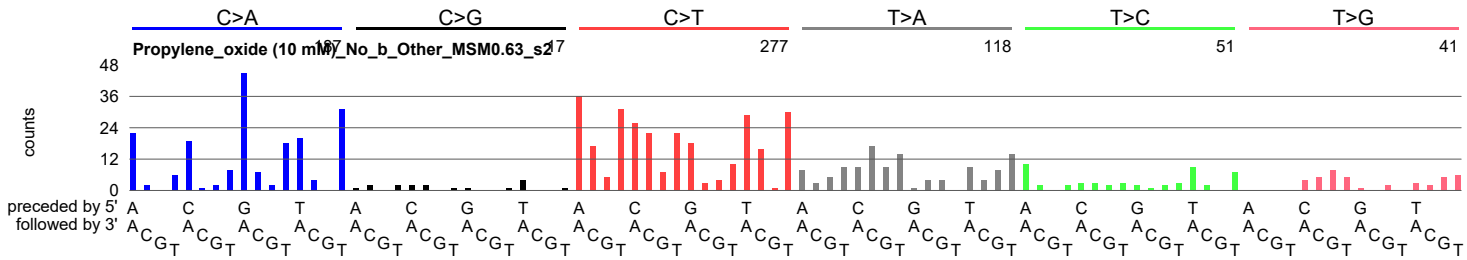

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (875 uM)_No_d_ROS/NOS_MSM0.102_s4
757
60
28
23
17
counts
100
75
50
25
0
preceded by 5'
followed by 3'

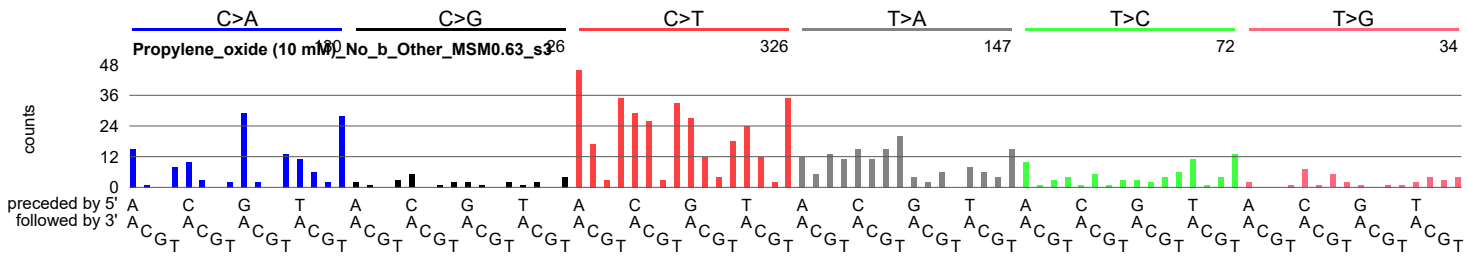

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_bromate (875 uM)_No_d_ROS/NOS_MSM0.102_s5
175
10
64
31
22
22
counts
preceded by 5'
followed by 3'

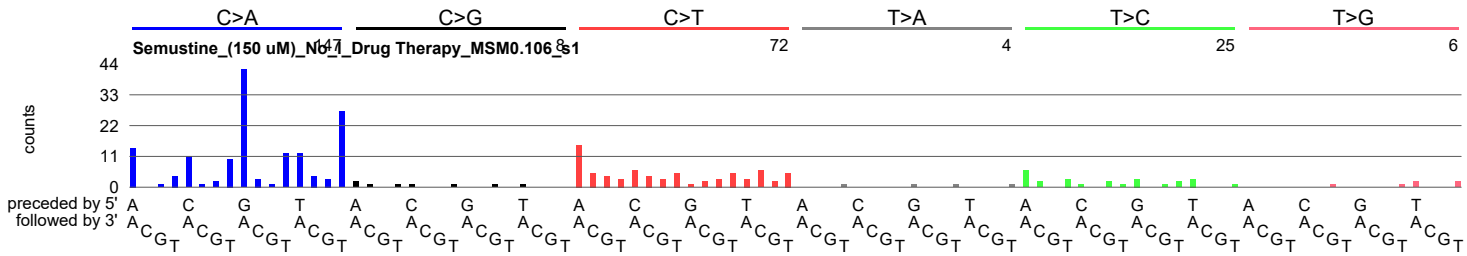

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_chromate (7.5 uM)_No_c_Metal Salts_MSM0.30_s2
193
10
65
20
20
13
counts
preceded by 5'
followed by 3'

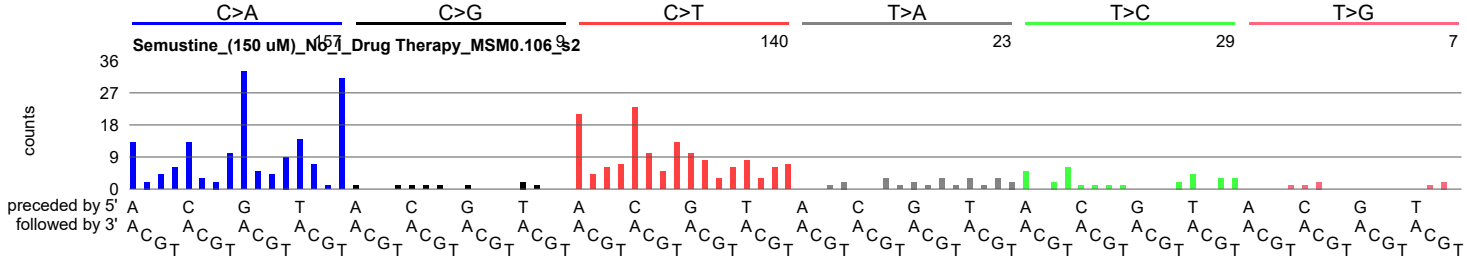

C>A
C>G
C>T
T>A
T>C
T>G
Potassium_chromate (7.5 uM)_No_c_Metal Salts_MSM0.30_s6
119
60
9
13
4
counts
preceded by 5'
followed by 3'

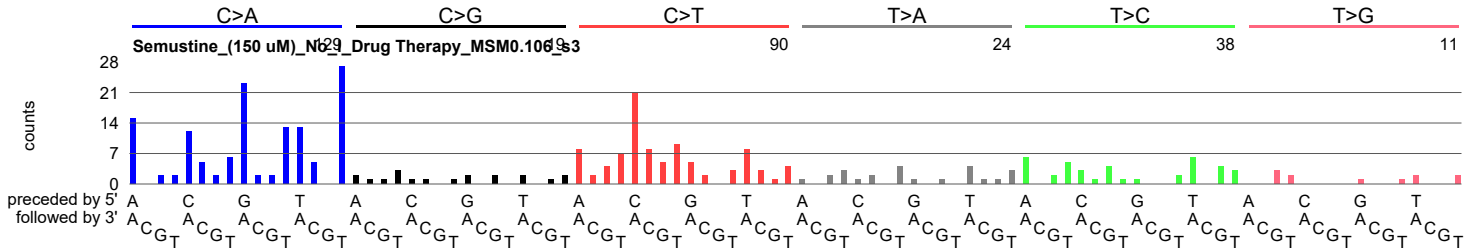

C>A
C>G
C>T
T>A
T>C
T>G
Propylene_oxide (10 mM)_No_b_Other_MSM0.63_s1
300
81
305
299
106
92
counts
preceded by 5'
followed by 3'

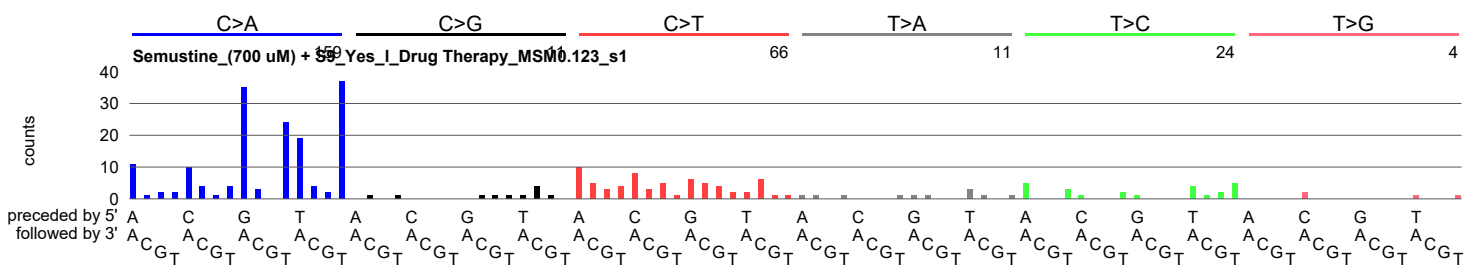

C>A
C>G
C>T
T>A
T>C
T>G
Propylene_oxide (10 mM)_No_b_Other_MSM0.63_s2
187
17
277
118
51
41
counts
preceded by 5'
followed by 3'

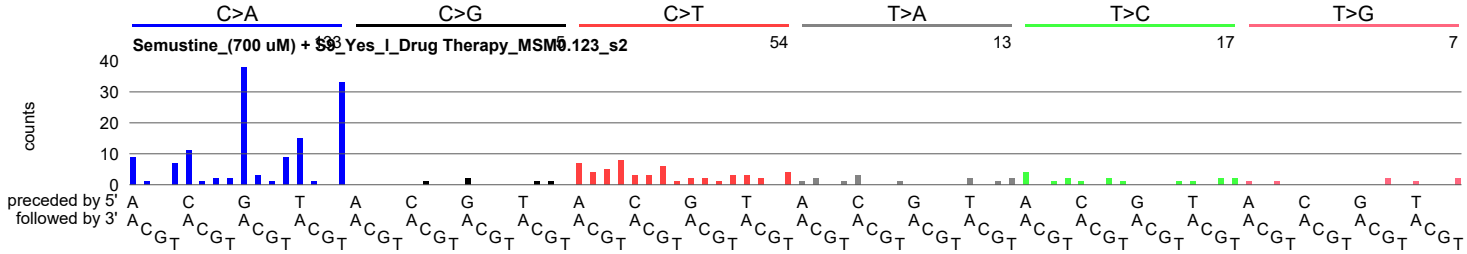

C>A
C>G
C>T
T>A
T>C
T>G
Propylene_oxide (10 mM)_No_b_Other_MSM0.63_s3
190
26
326
147
72
34
counts
preceded by 5'
followed by 3'

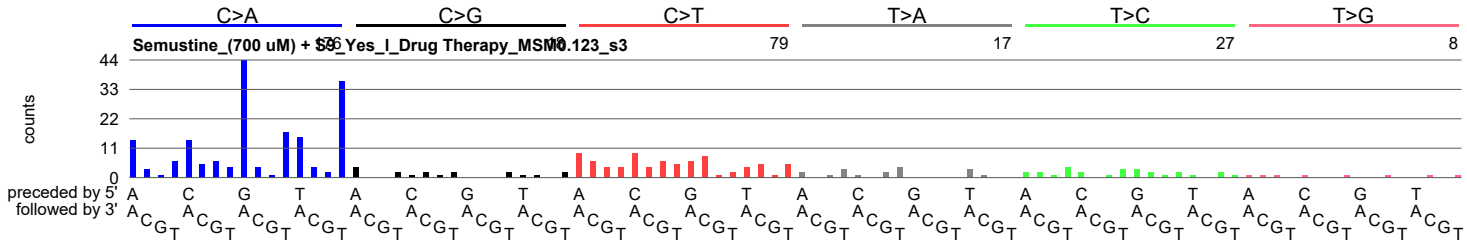

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(150 uM)_No_l_Drug Therapy_MSM0.106_s1
147
8
72
4
25
6
counts
preceded by 5'
followed by 3'

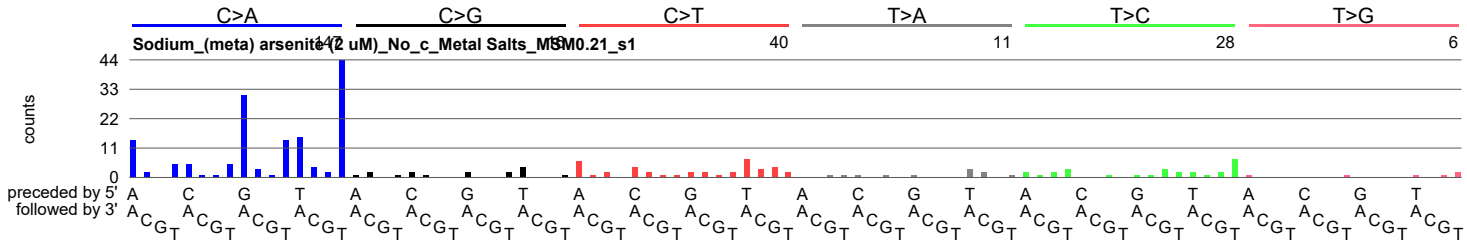

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(150 uM)_No_l_Drug Therapy_MSM0.106_s2
157
9
140
23
29
7
counts
preceded by 5'
followed by 3'

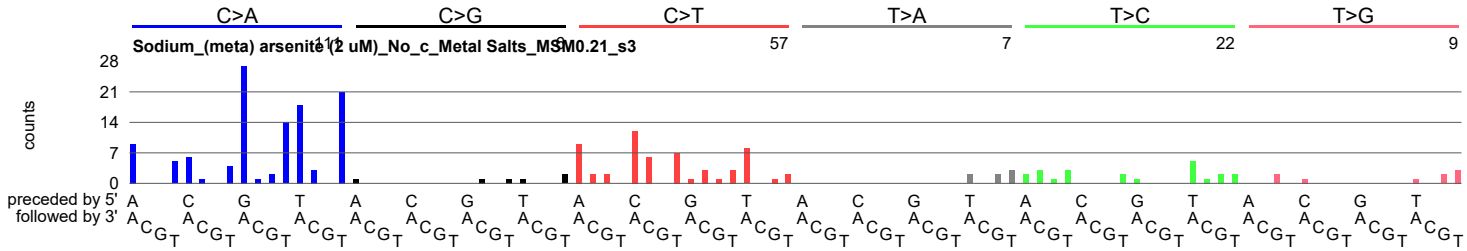

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(150 uM)_No_l_Drug Therapy_MSM0.106_s3
129
19
90
24
38
11
counts
preceded by 5'
followed by 3'

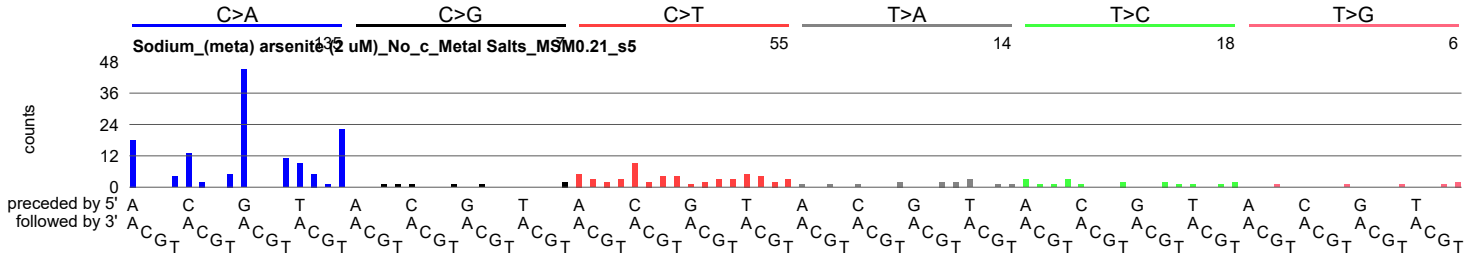

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(700 uM) + SS_Yes_l_Drug Therapy_MSM0.123_s1
159
11
66
11
24
4
counts
preceded by 5'
followed by 3'

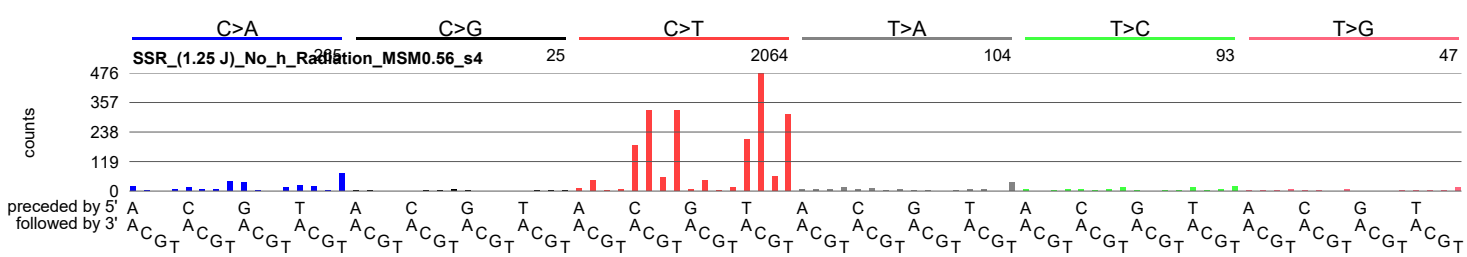

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(700 uM) + SS_Yes_l_Drug Therapy_MSM0.123_s2
133
5
54
13
17
7
counts
preceded by 5'
followed by 3'

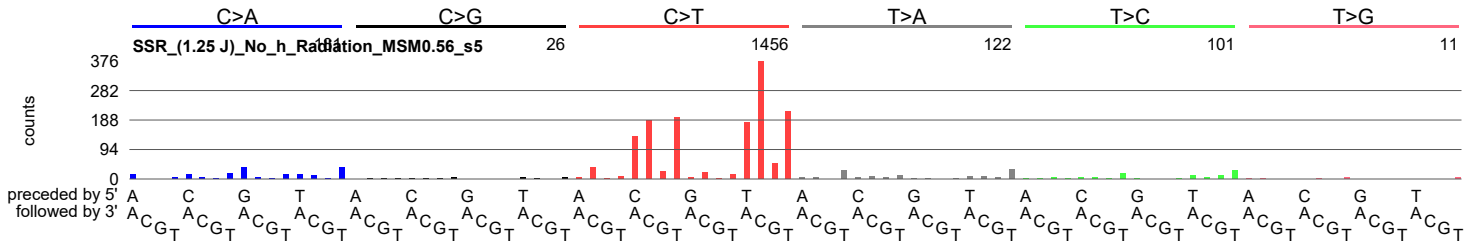

C>A
C>G
C>T
T>A
T>C
T>G
Semustine_(700 uM) + SS_Yes_l_Drug Therapy_MSM0.123_s3
176
10
79
17
27
8
counts
preceded by 5'
followed by 3'

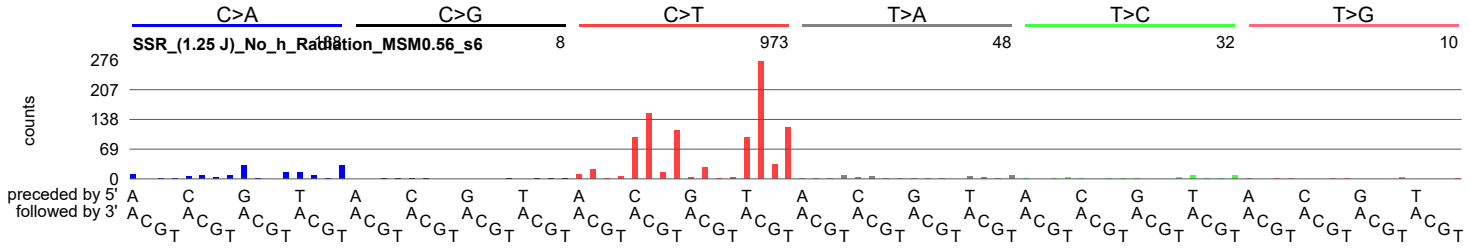

C>A
C>G
C>T
T>A
T>C
T>G
Sodium_(meta) arsenite (2 uM)_No_c_Metal Salts_MSM0.21_s1
142
40
11
28
6
counts
preceded by 5'
followed by 3'

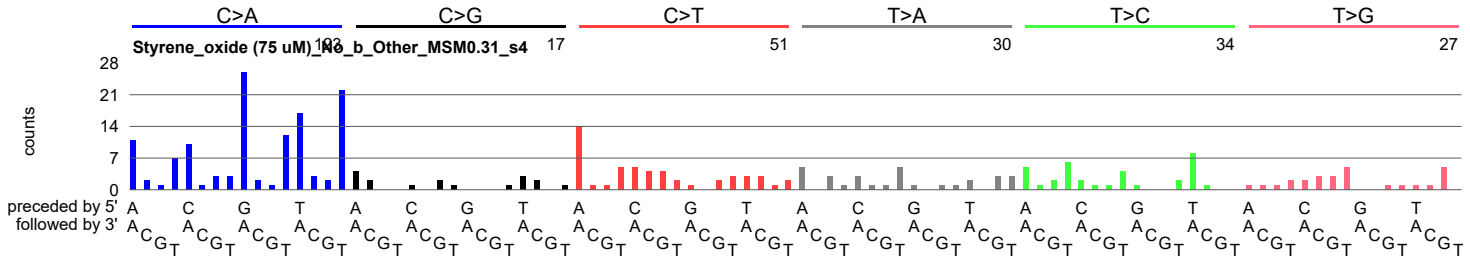

C>A
C>G
C>T
T>A
T>C
T>G
Sodium_(meta) arsenite (2 uM)_No_c_Metal Salts_MSM0.21_s3
141
57
7
22
9
counts
preceded by 5'
followed by 3'

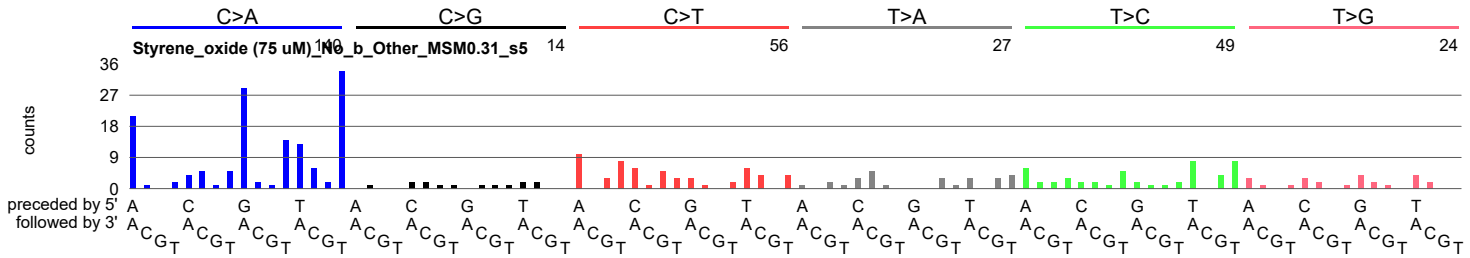

C>A
C>G
C>T
T>A
T>C
T>G
Sodium_(meta) arsenite (2 uM)_No_c_Metal Salts_MSM0.21_s5
135
55
14
18
6
counts
preceded by 5'
followed by 3'

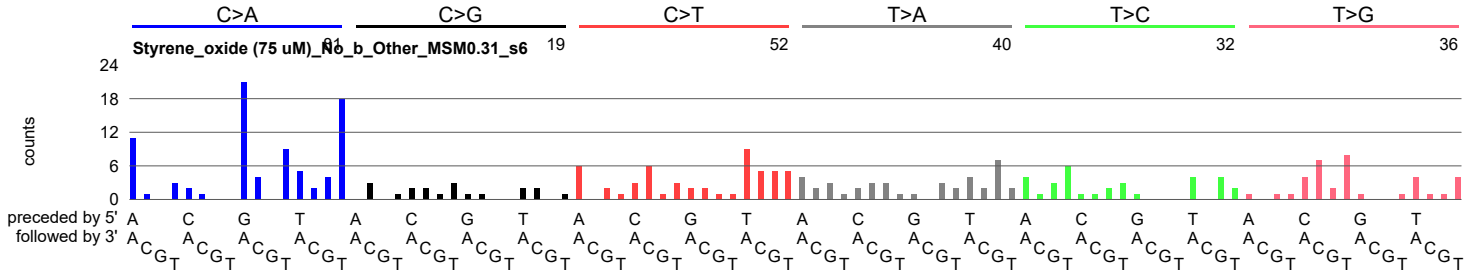

C>A
C>G
C>T
T>A
T>C
T>G
SSR_(1.25 J)_No_h_Radiation_MSM0.56_s4
285
25
2064
104
93
47
counts
preceded by 5'
followed by 3'

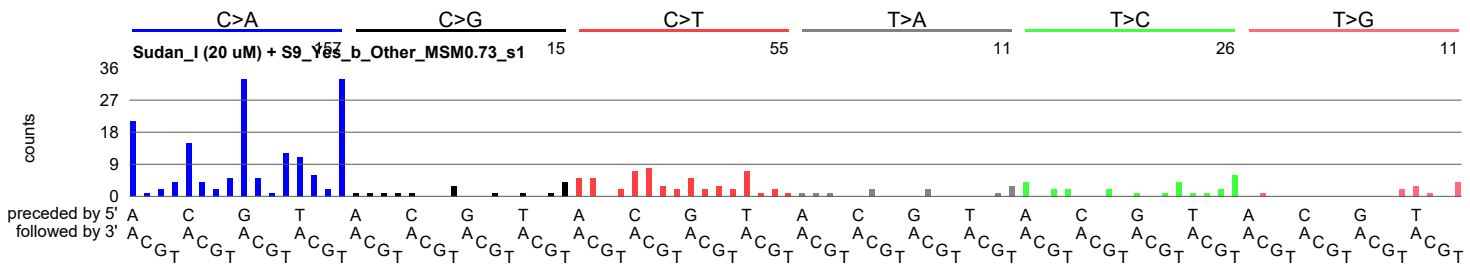

C>A
C>G
C>T
T>A
T>C
T>G
SSR_(1.25 J)_No_h_Radiation_MSM0.56_s5
26
1456
122
101
11
counts
preceded by 5'
followed by 3'

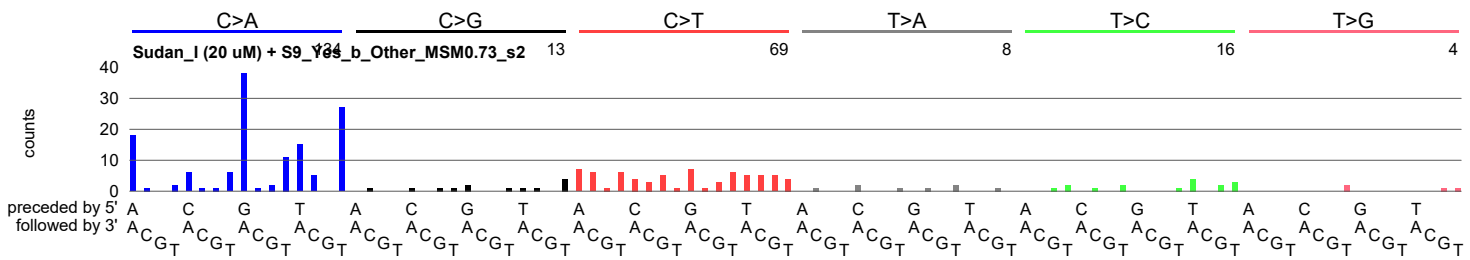

C>A
C>G
C>T
T>A
T>C
T>G
SSR_(1.25 J)_No_h_Radiation_MSM0.56_s6
8
973
48
32
10
counts
preceded by 5'
followed by 3'

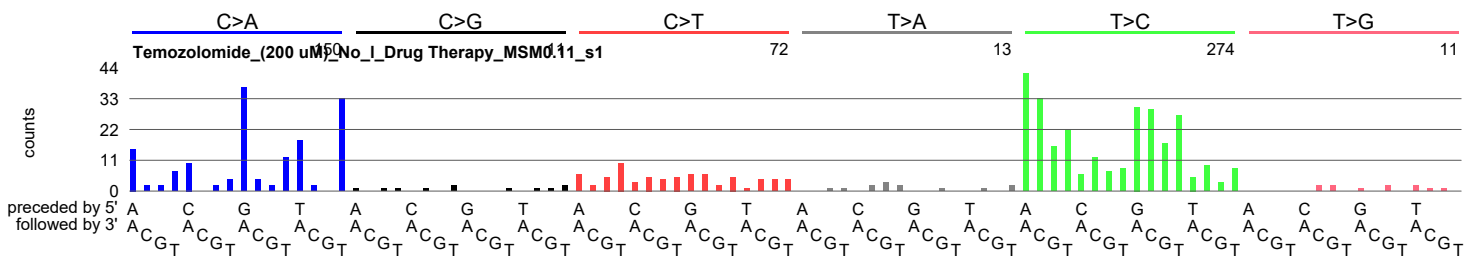

C>A
C>G
C>T
T>A
T>C
T>G
Styrene_oxide (75 uM)_No_b_Other_MSM0.31_s4
17
51
30
34
27
counts
preceded by 5'
followed by 3'

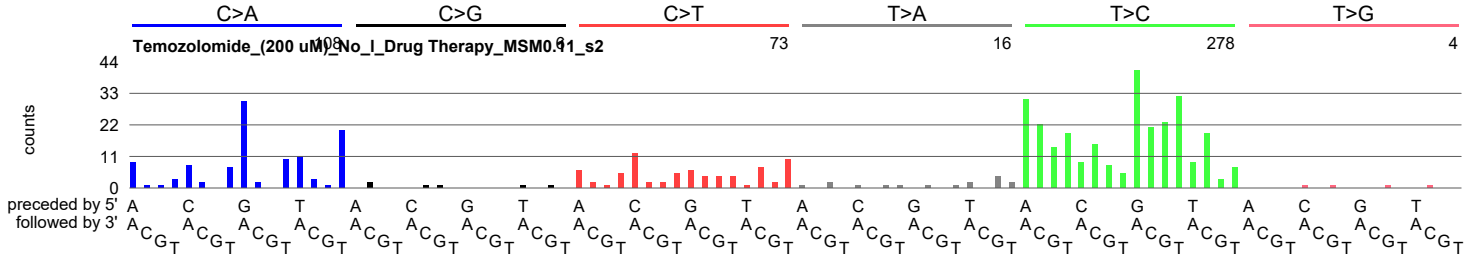

C>A
C>G
C>T
T>A
T>C
T>G
Styrene_oxide (75 uM)_No_b_Other_MSM0.31_s5
14
56
27
49
24
counts
preceded by 5'
followed by 3'

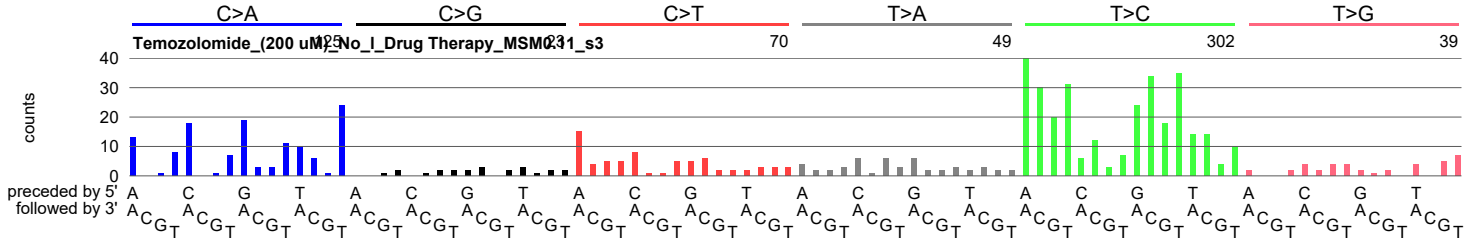

C>A
C>G
C>T
T>A
T>C
T>G
Styrene_oxide (75 uM)_No_b_Other_MSM0.31_s6
19
52
40
32
36
counts
preceded by 5'
followed by 3'

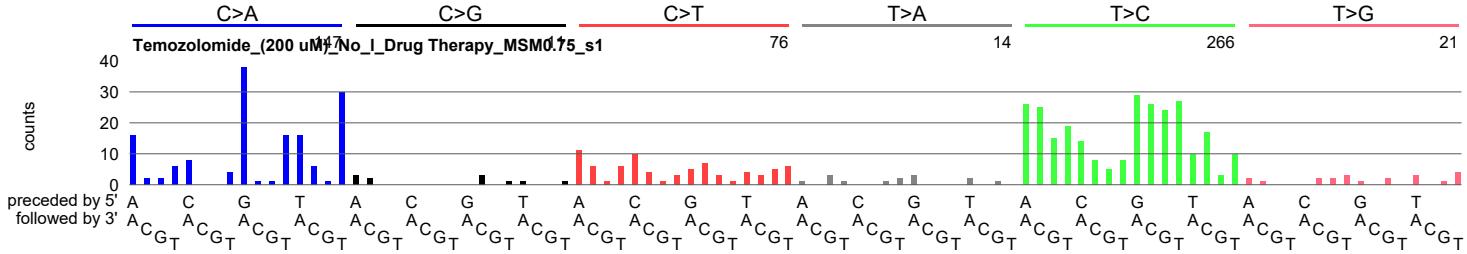

C>A
C>G
C>T
T>A
T>C
T>G
Sudan_I (20 uM) + S9_Yes_b_Other_MSM0.73_s1
15
55
11
26
11
counts
preceded by 5'
followed by 3'

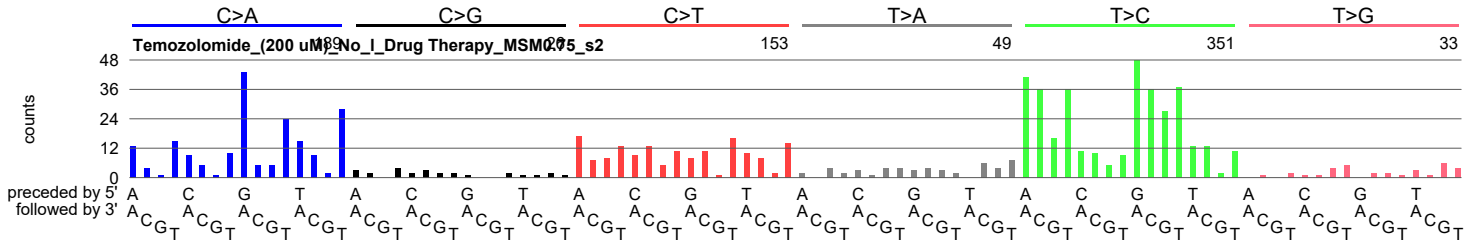

C>A
C>G
C>T
T>A
T>C
T>G
Sudan_I (20 uM) + S9_Yes_b_Other_MSM0.73_s2
13
69
8
16
4
counts
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
Temozolomide_(200 uM)_No_l_Drug Therapy_MSM0.11_s1
72
13
274
11
counts
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
Temozolomide_(200 uM)_No_I_Drug Therapy_MSM0.41_s2
108
9
73
16
278
4
counts
44
33
22
11
0
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
Temozolomide_(200 uM)_No_I_Drug Therapy_MSM0.41_s3
125
23
70
49
302
39
counts
40
30
20
10
0
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
Temozolomide_(200 uM)_No_I_Drug Therapy_MSM0.75_s1
117
11
76
14
266
21
counts
40
30
20
10
0
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
Temozolomide_(200 uM)_No_I_Drug Therapy_MSM0.75_s2
189
27
153
49
351
33
counts
48
36
24
12
0
preceded by 5'
followed by 3'