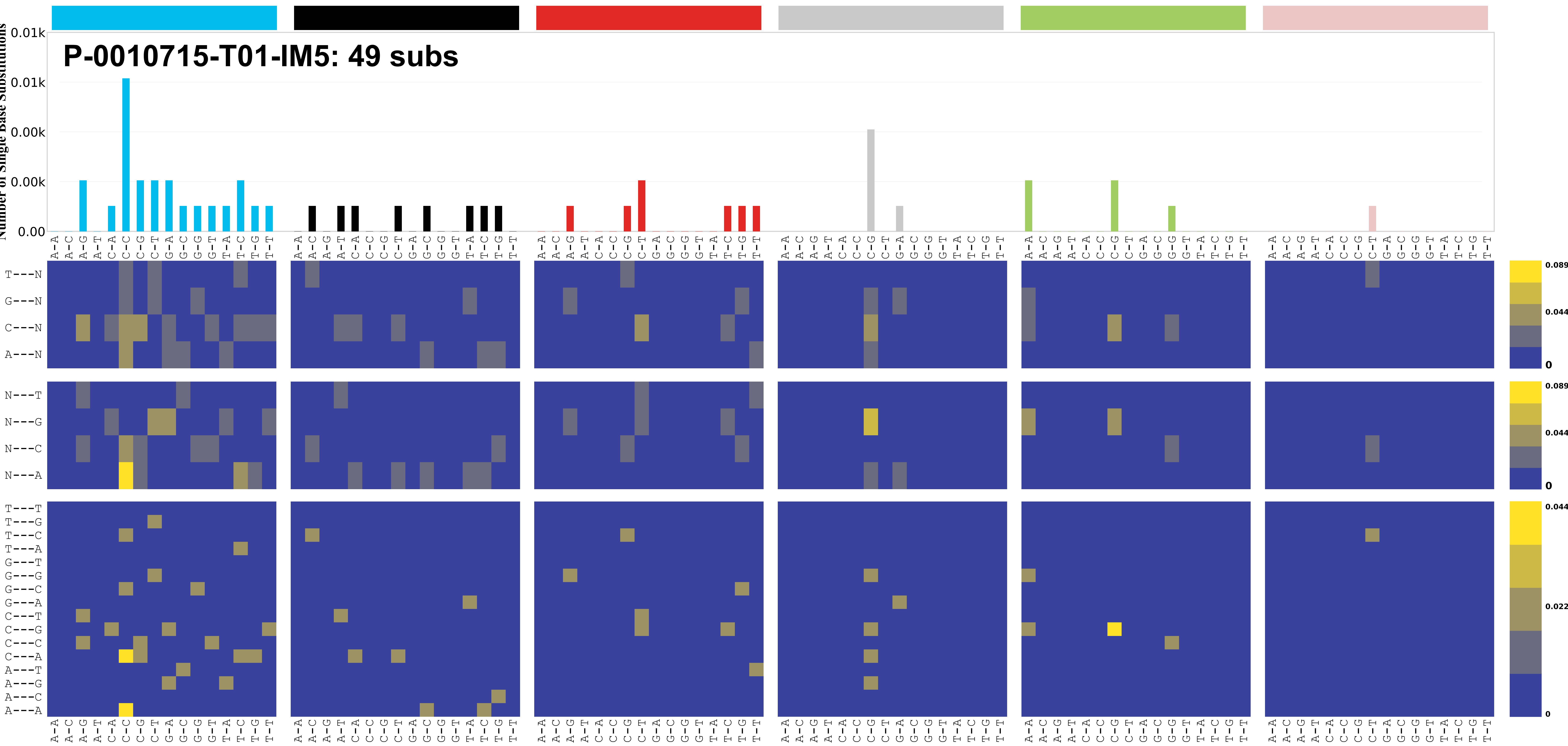
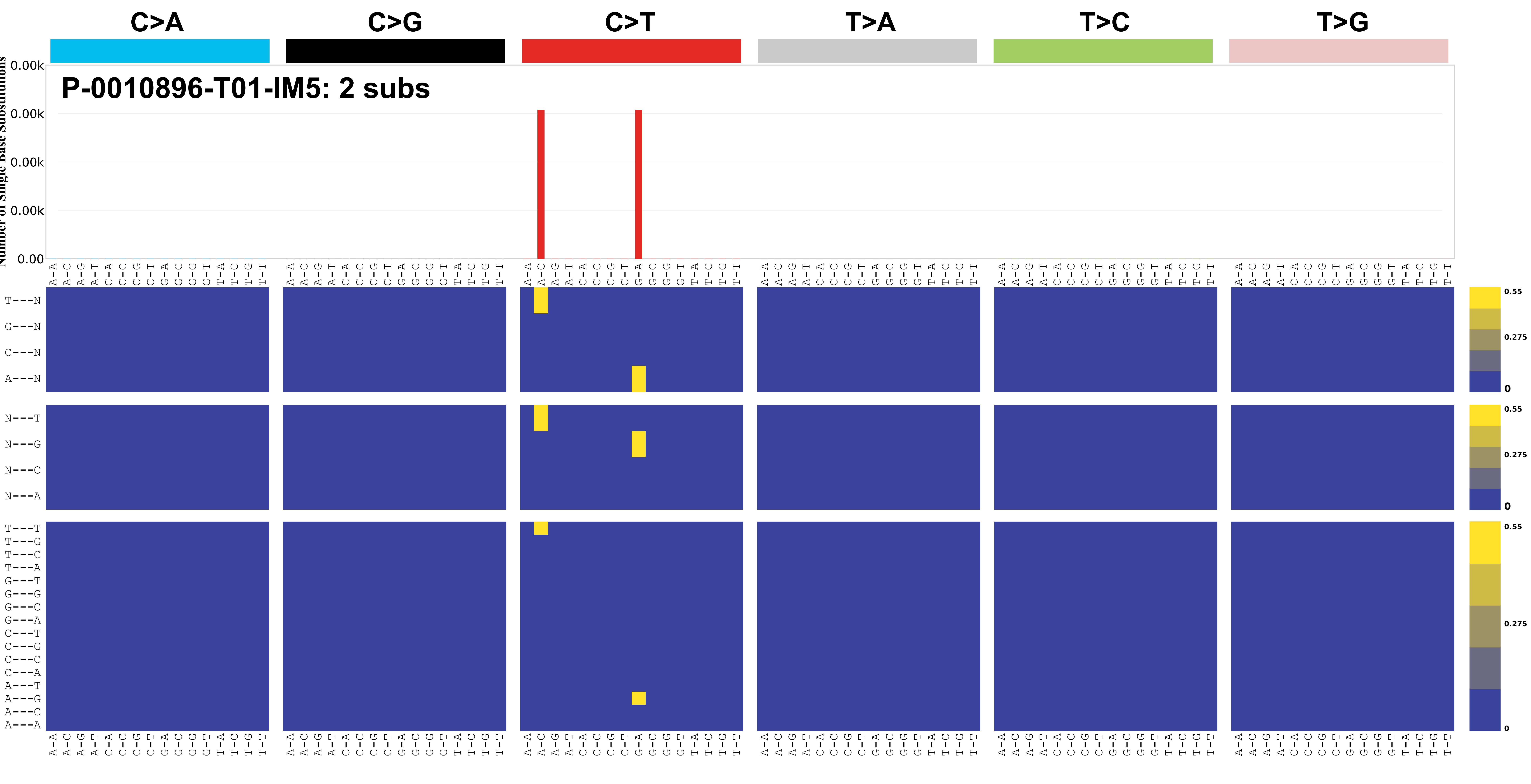
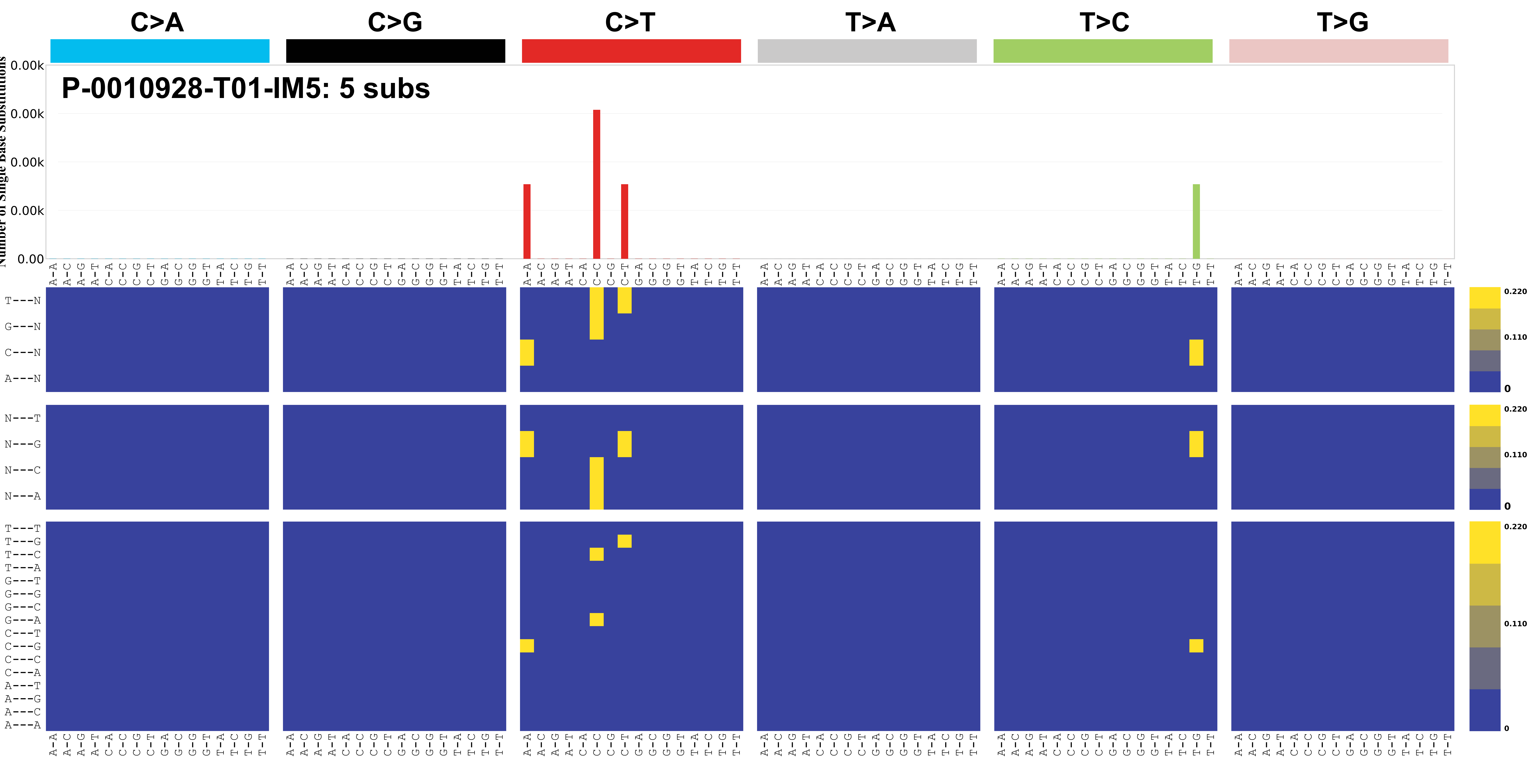
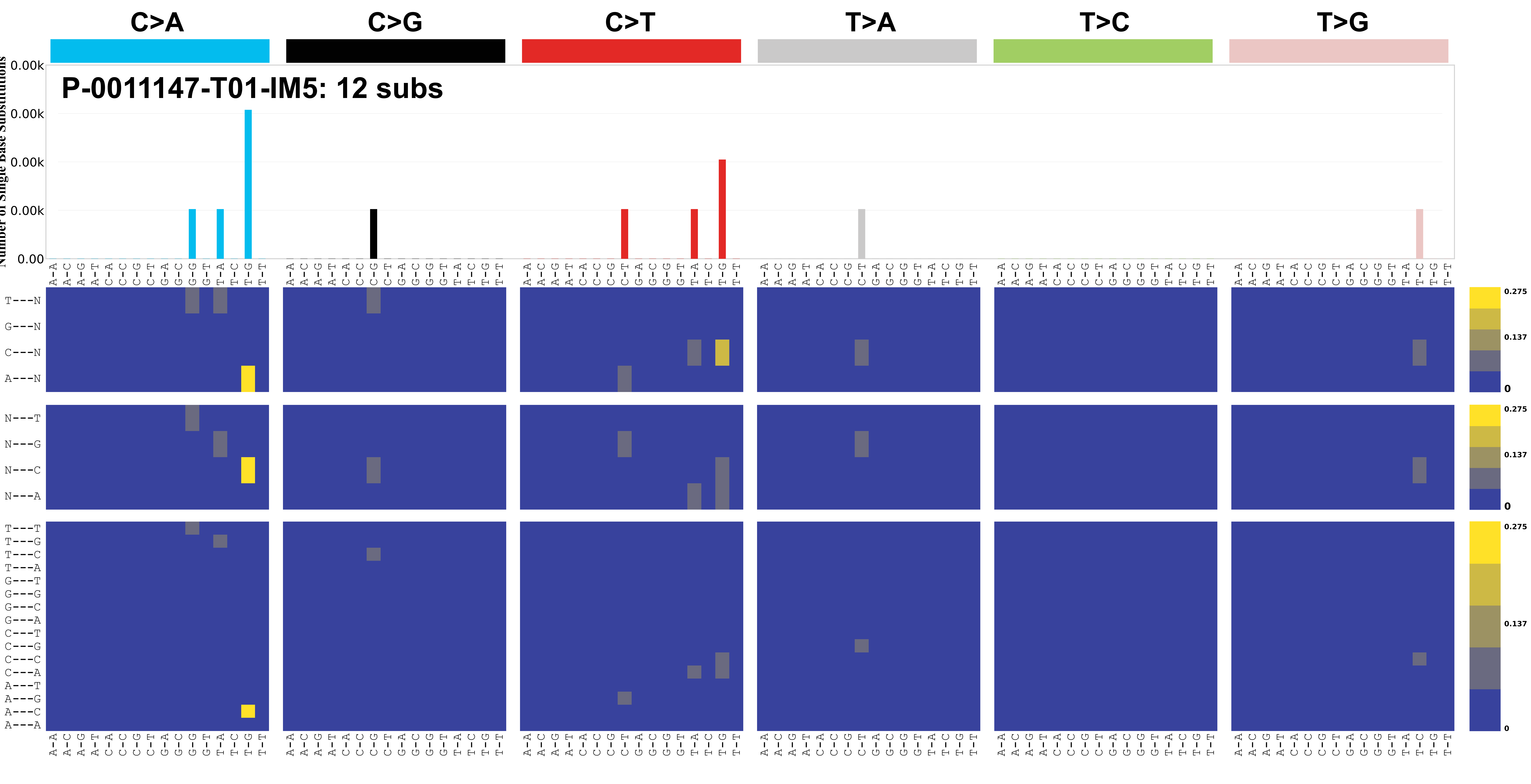


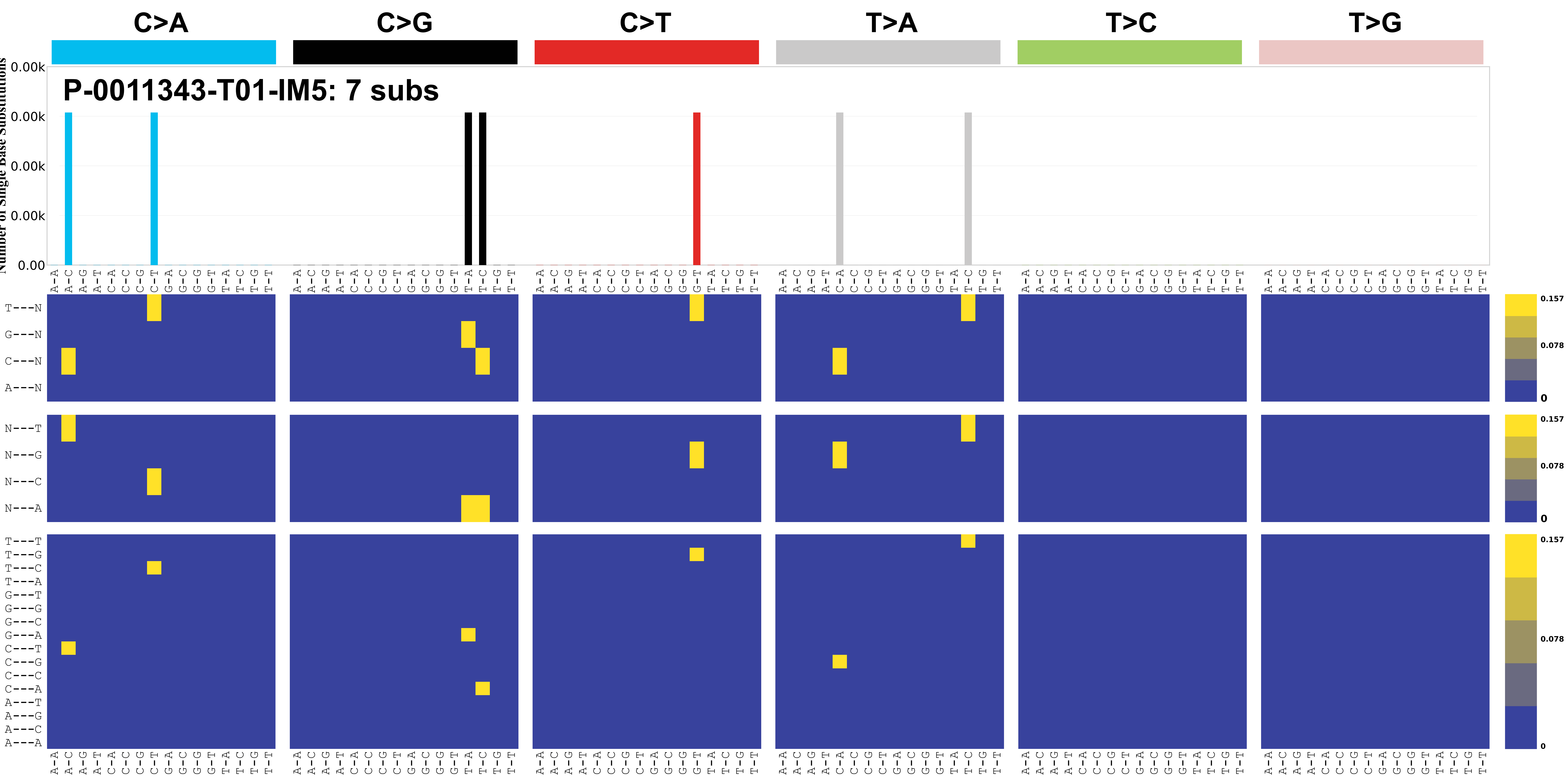
T>G

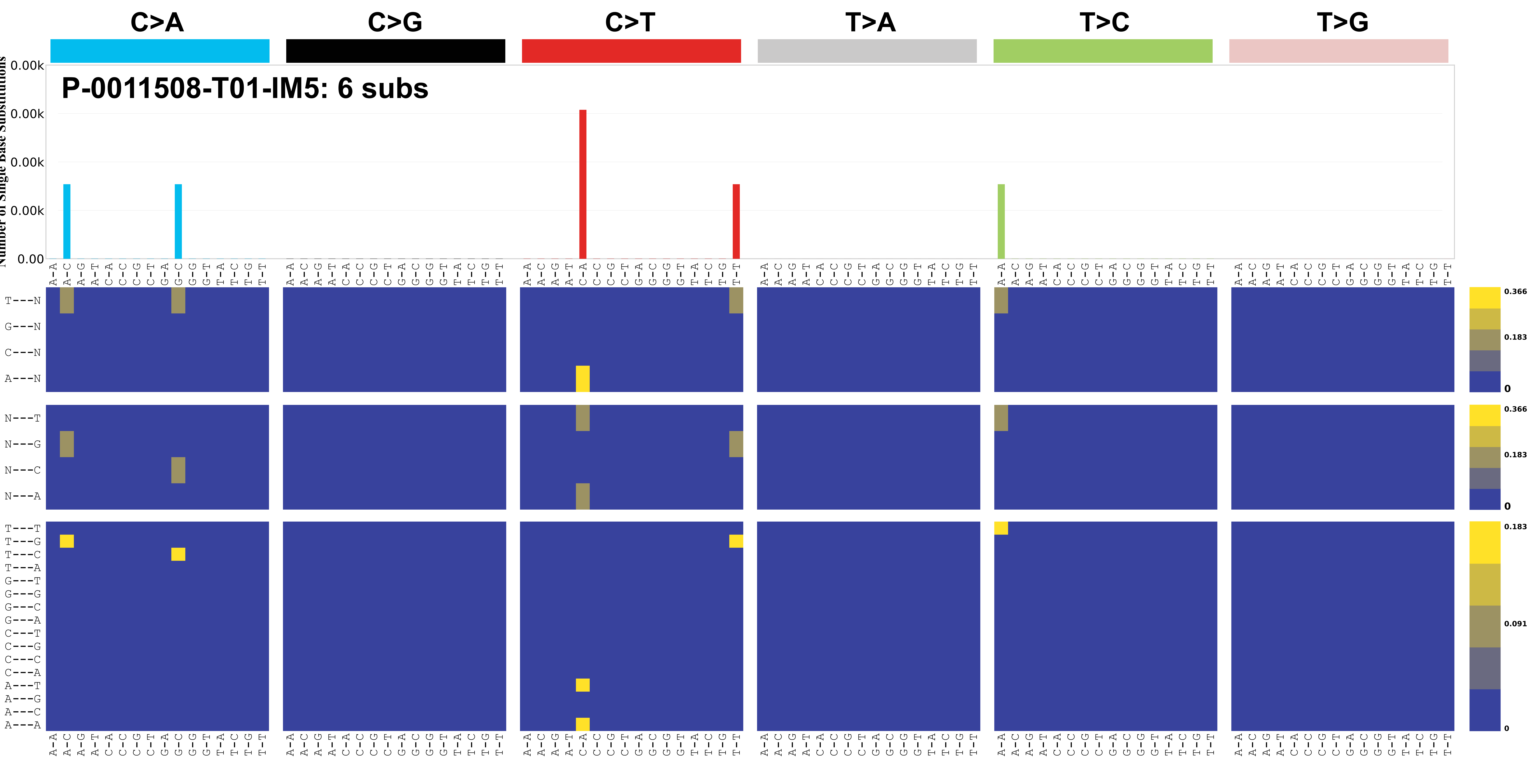


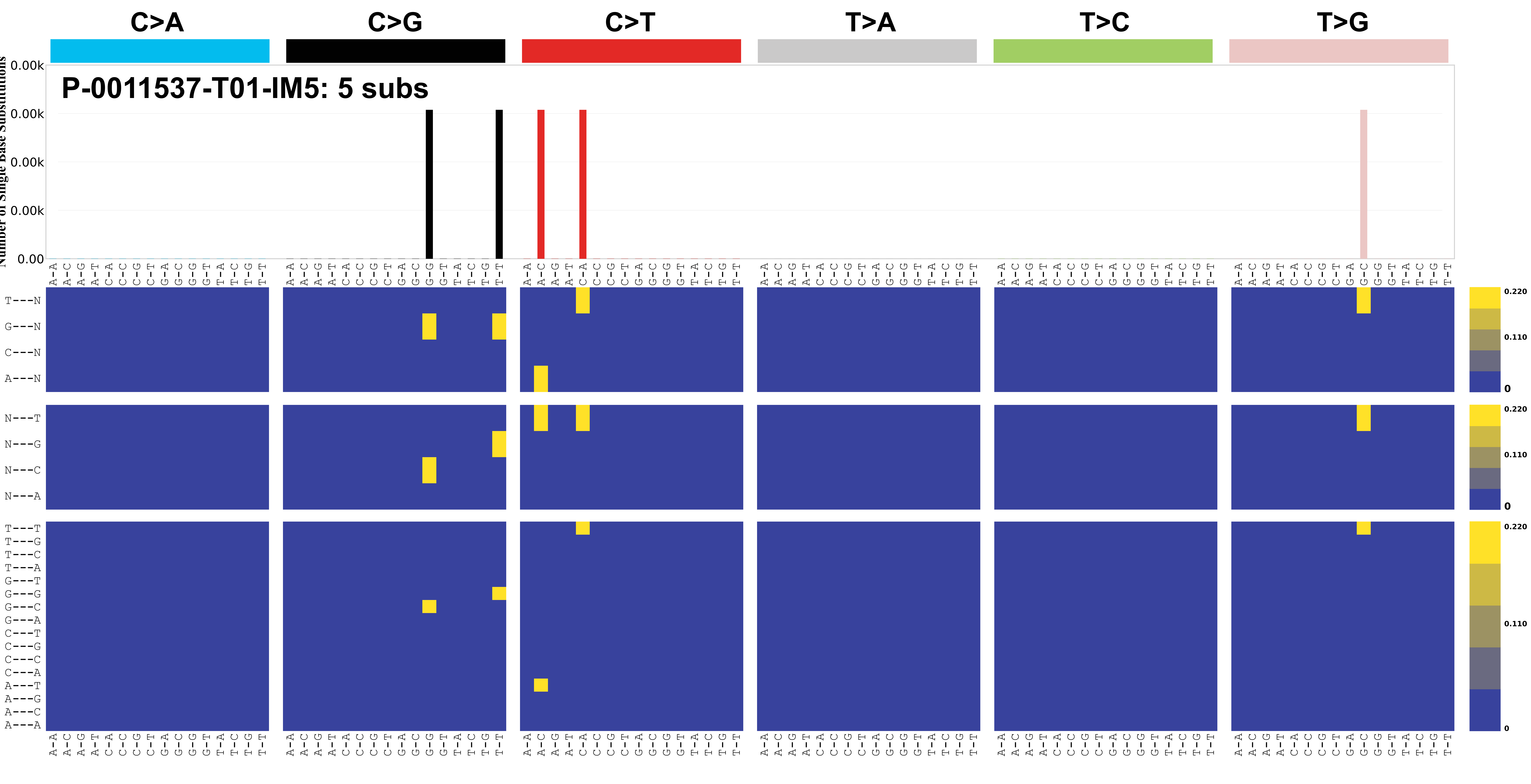


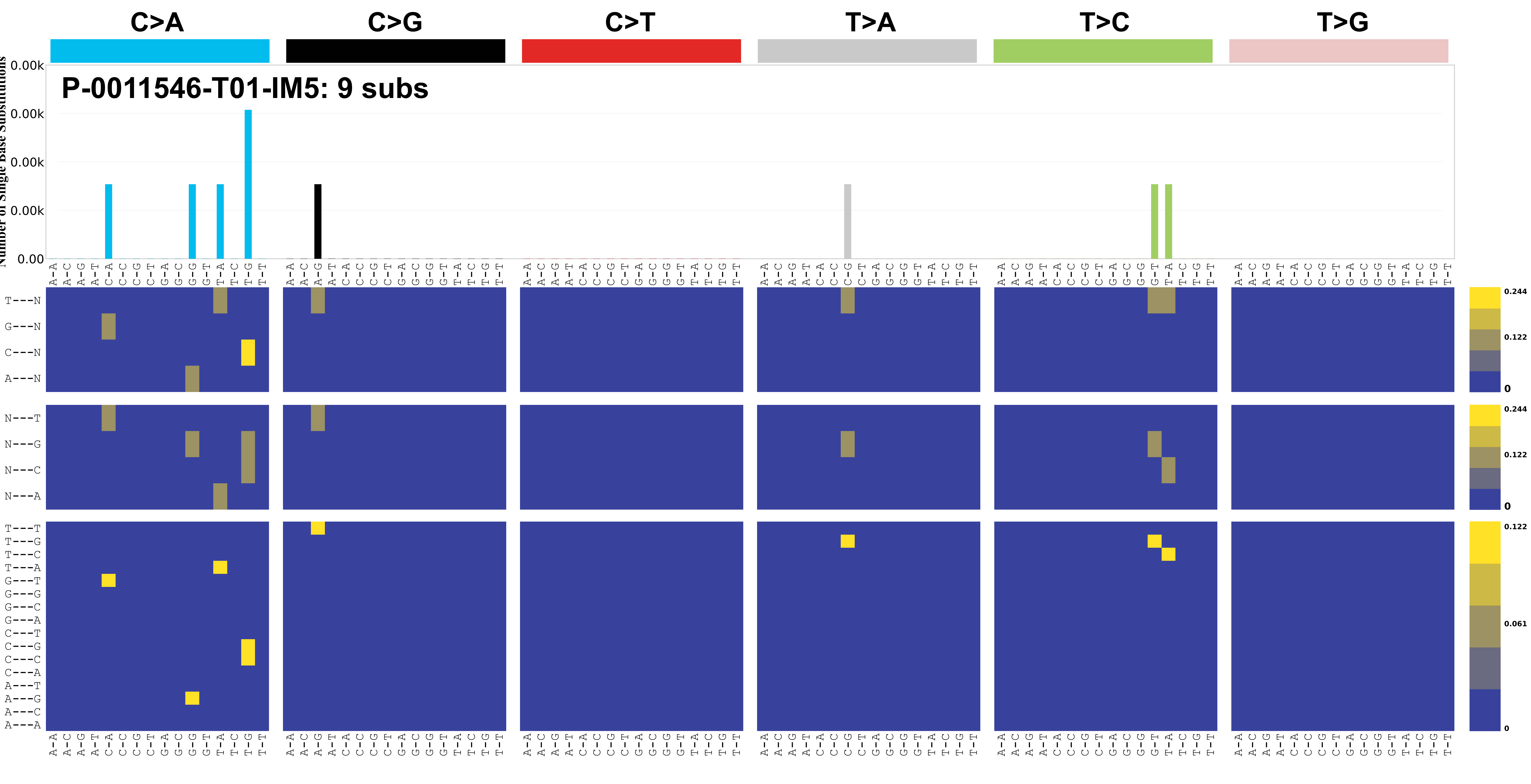


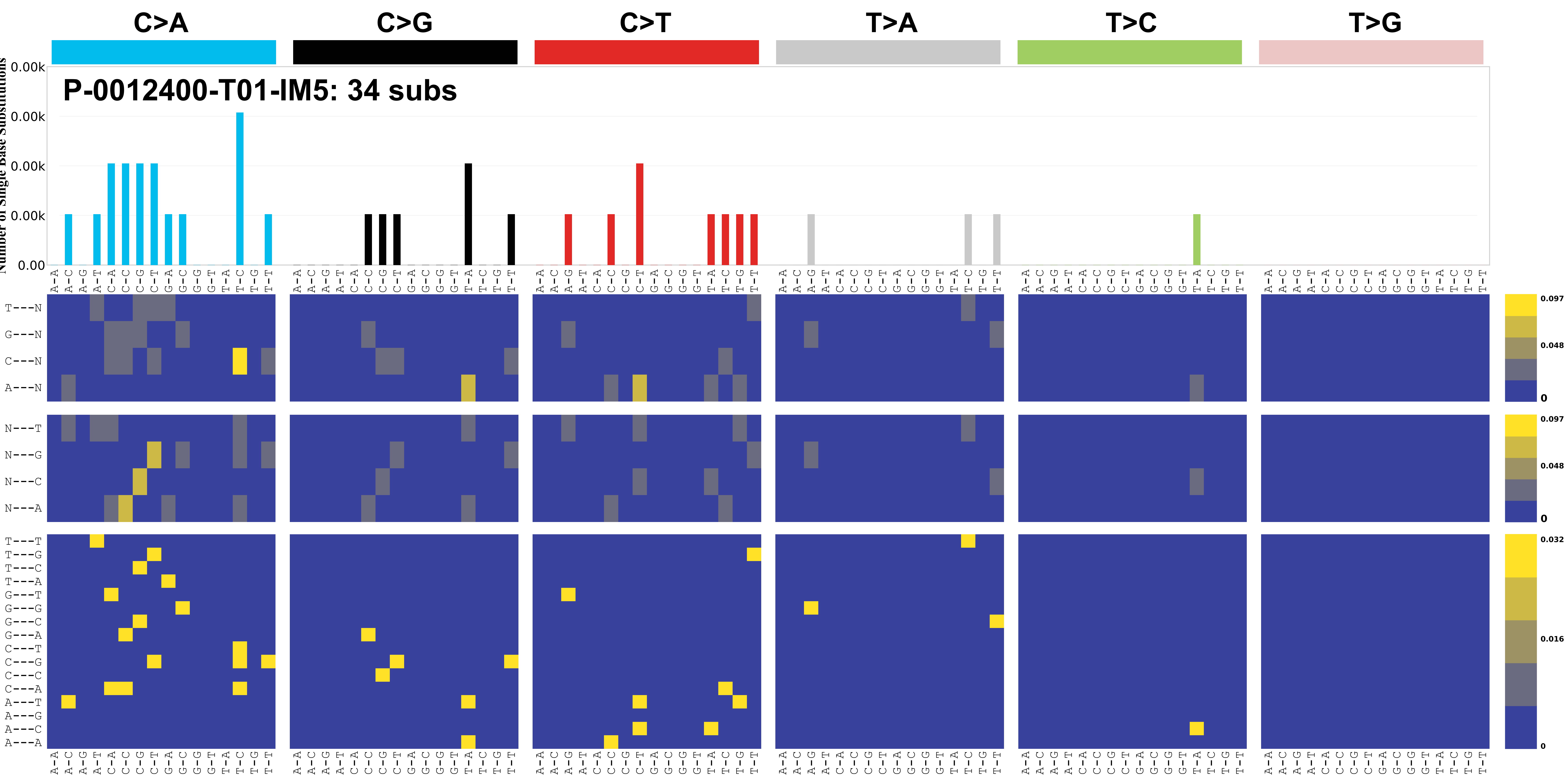


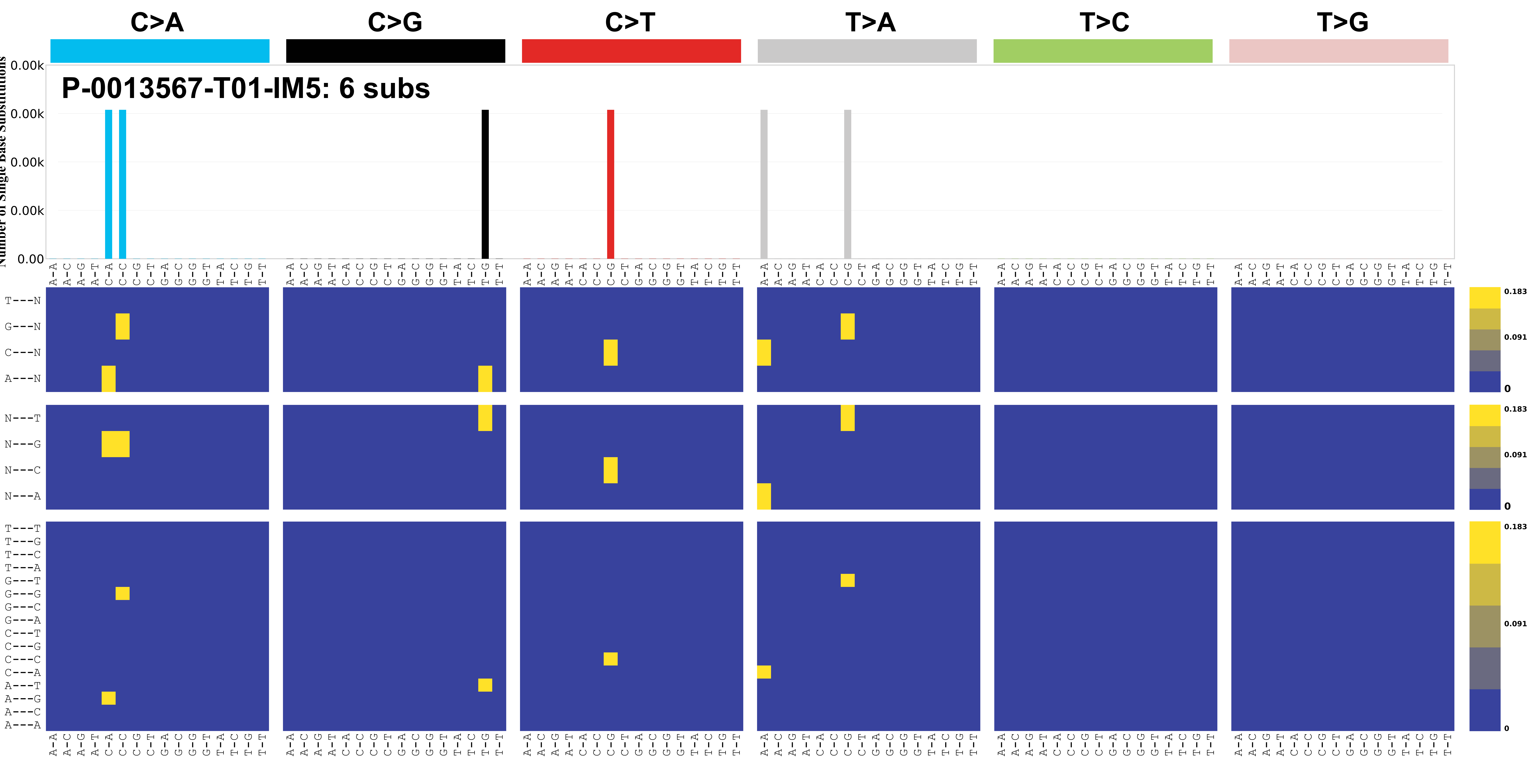






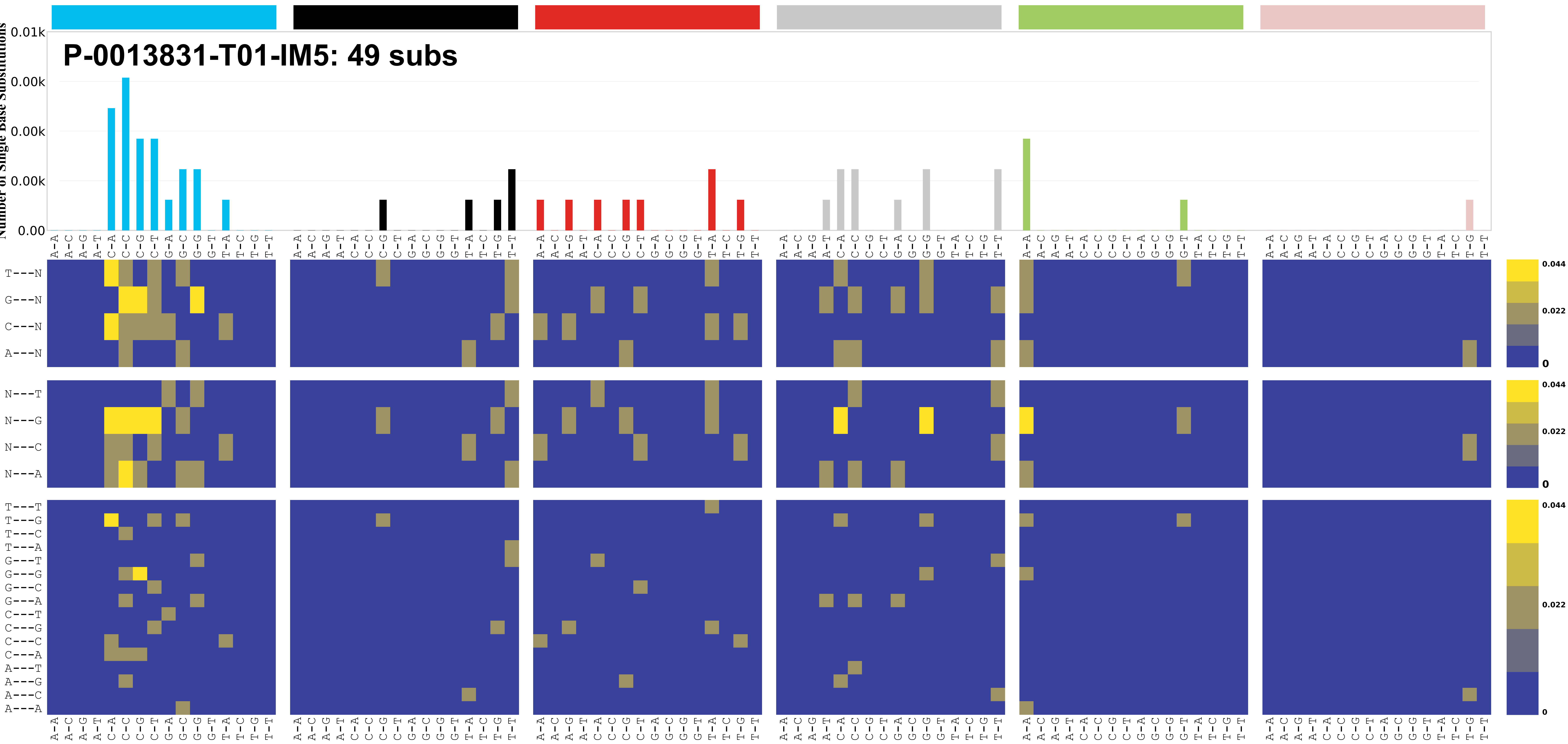


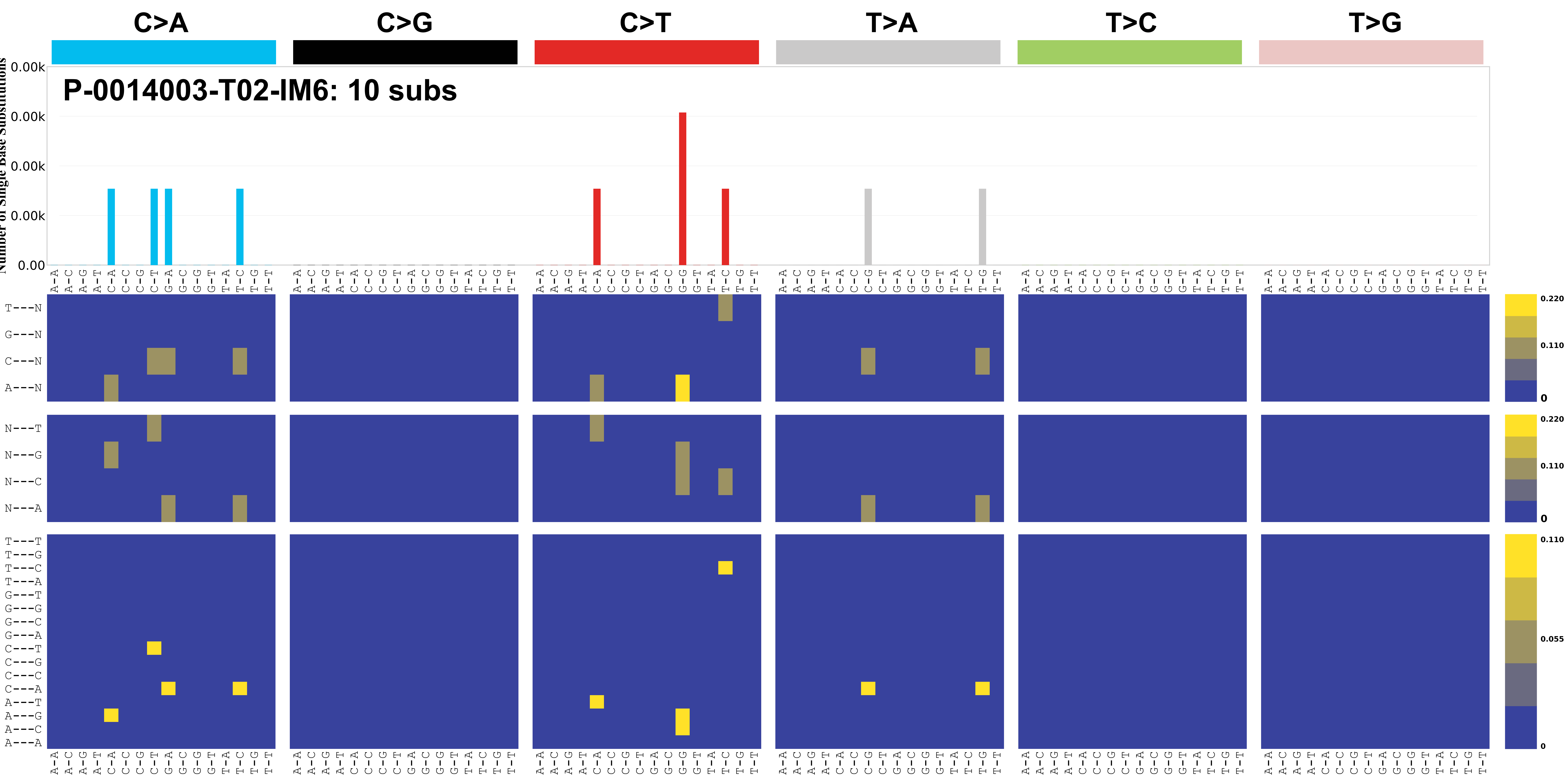


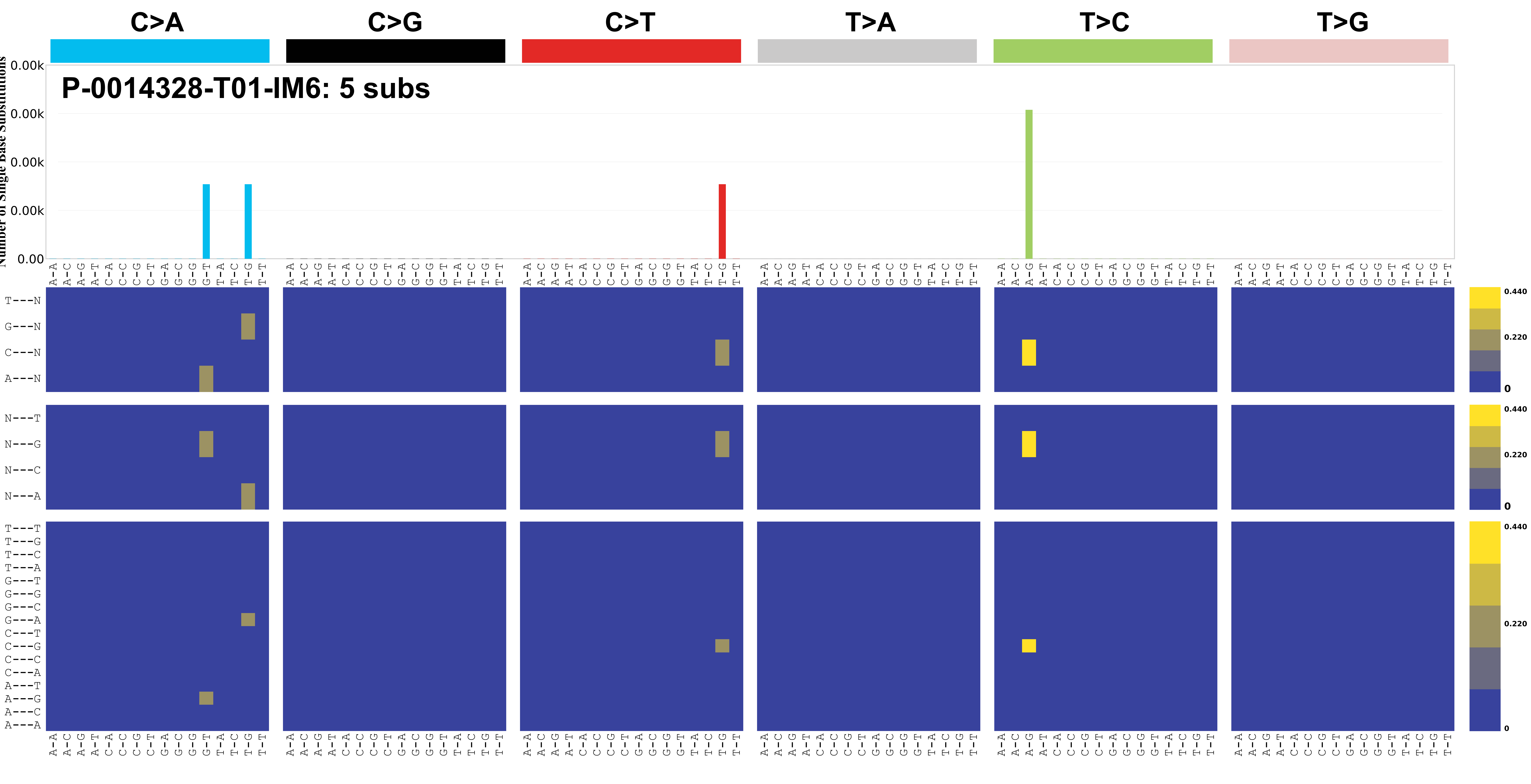


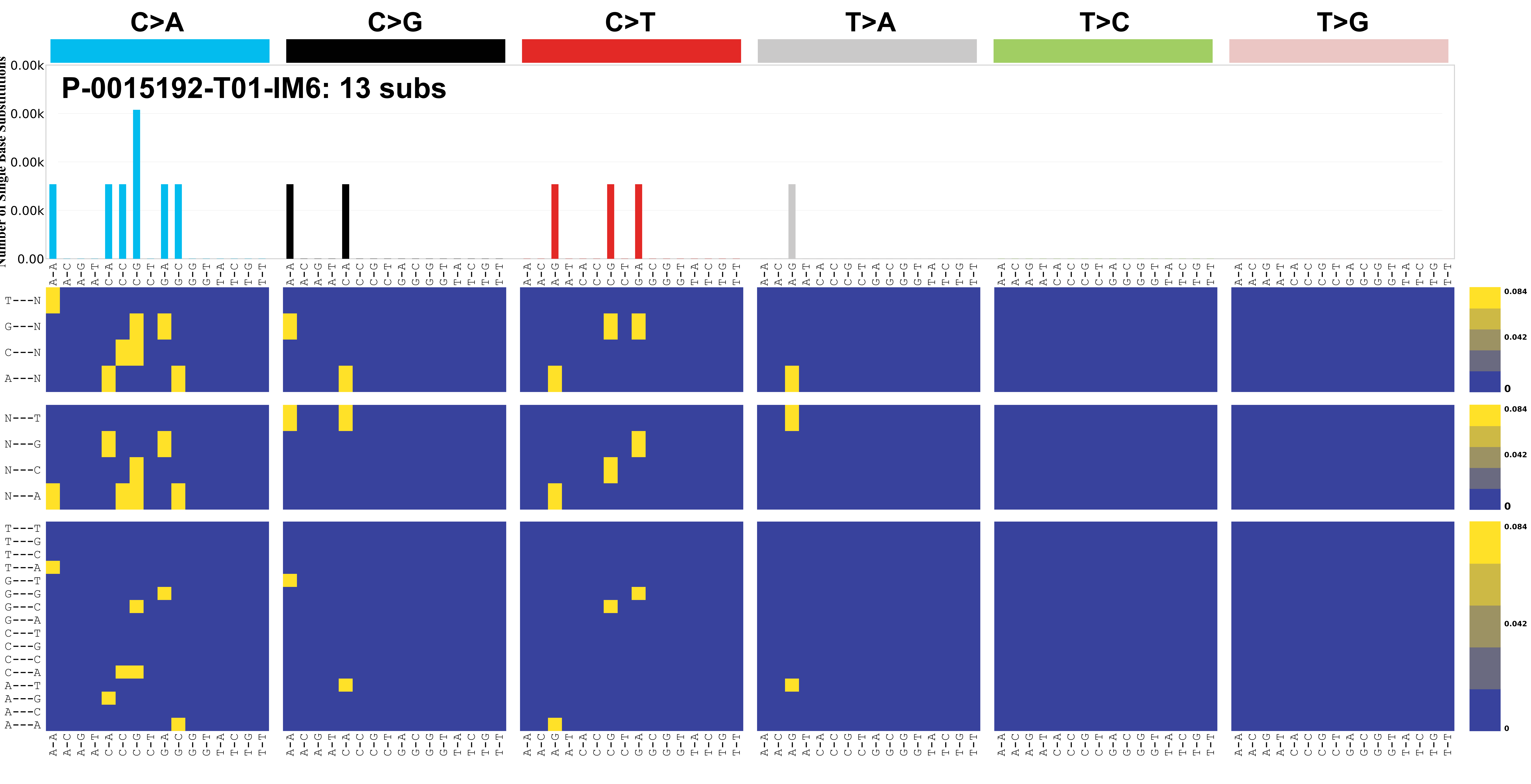
T>G

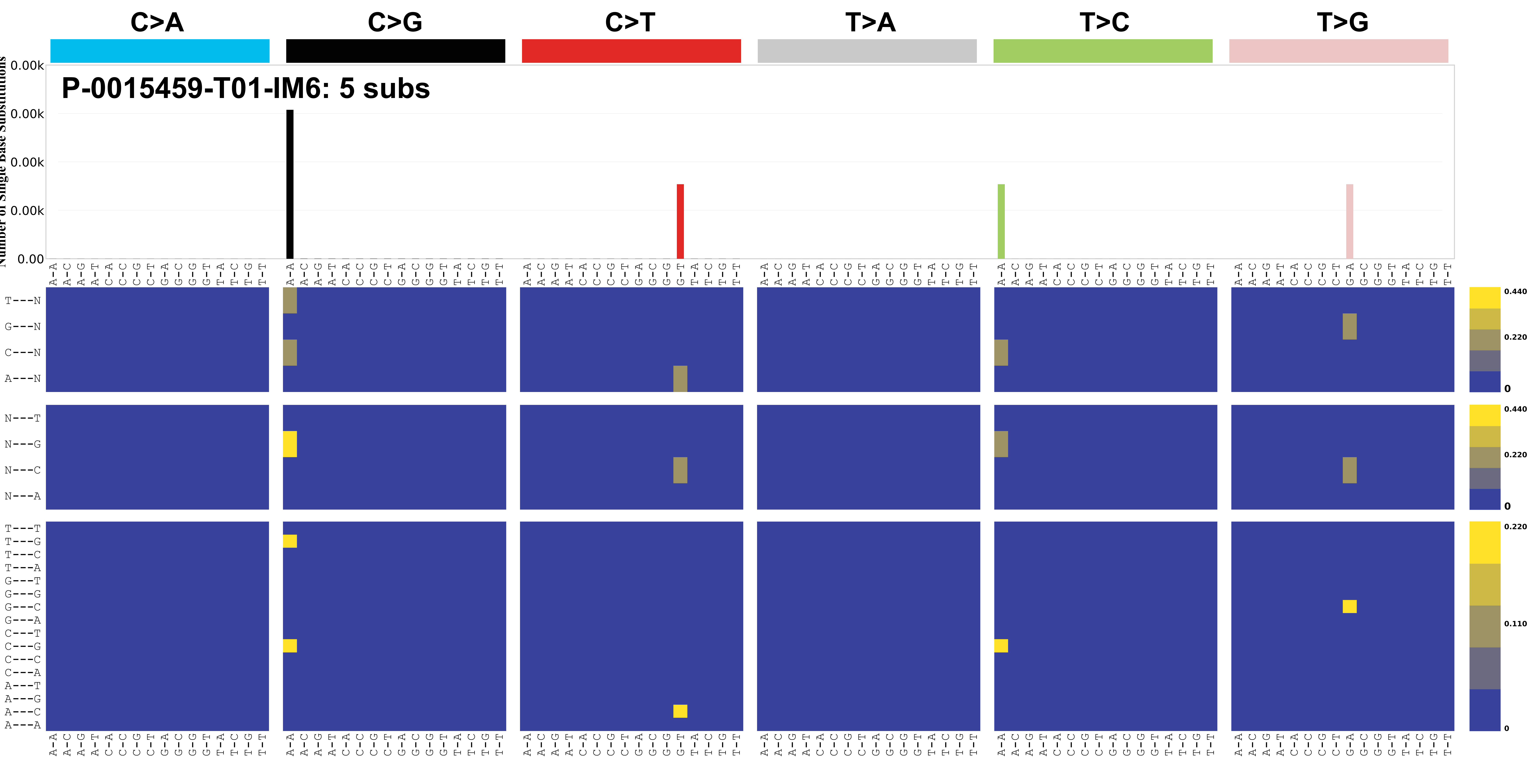
P-0013831-T01-IM5: 49 subs

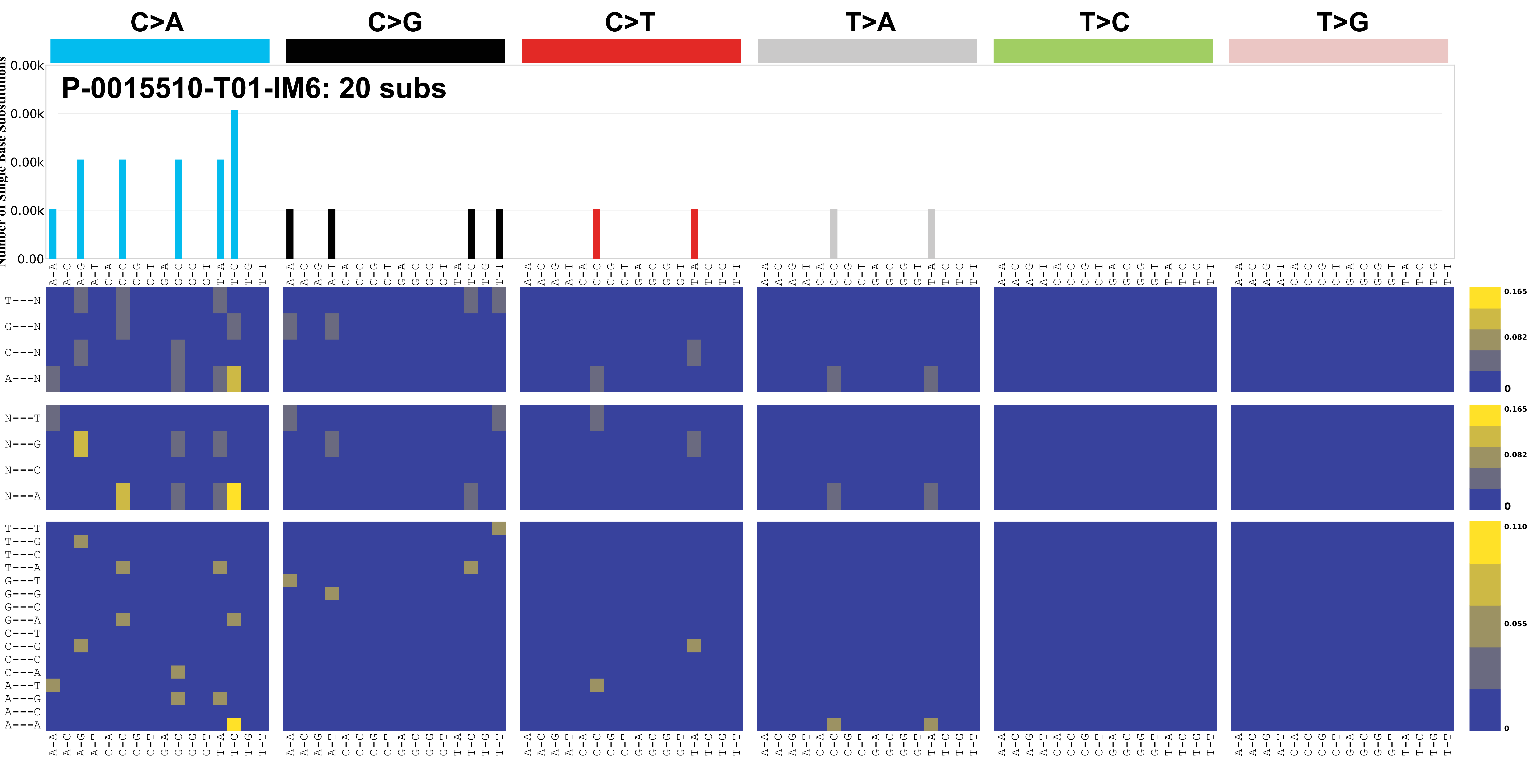


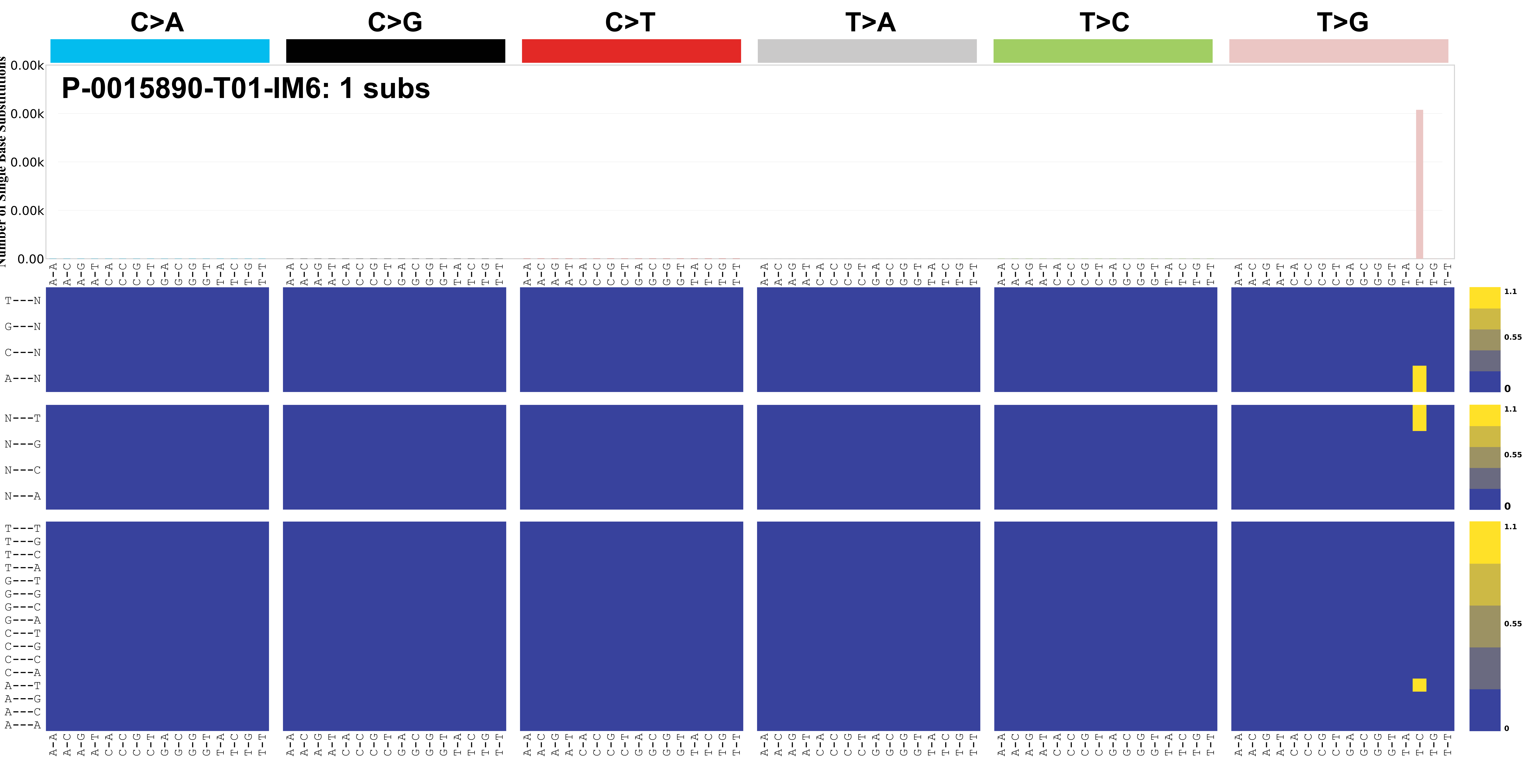




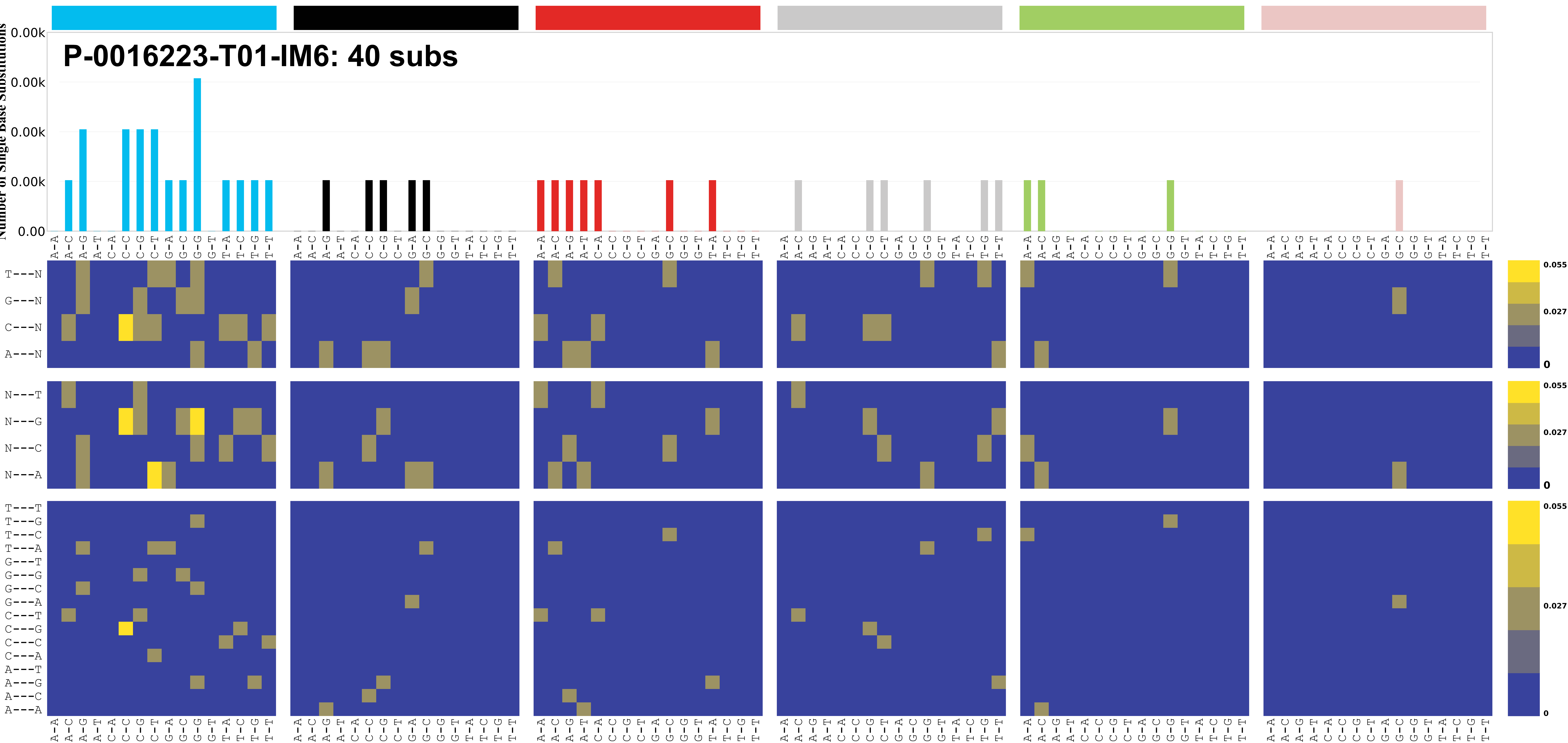


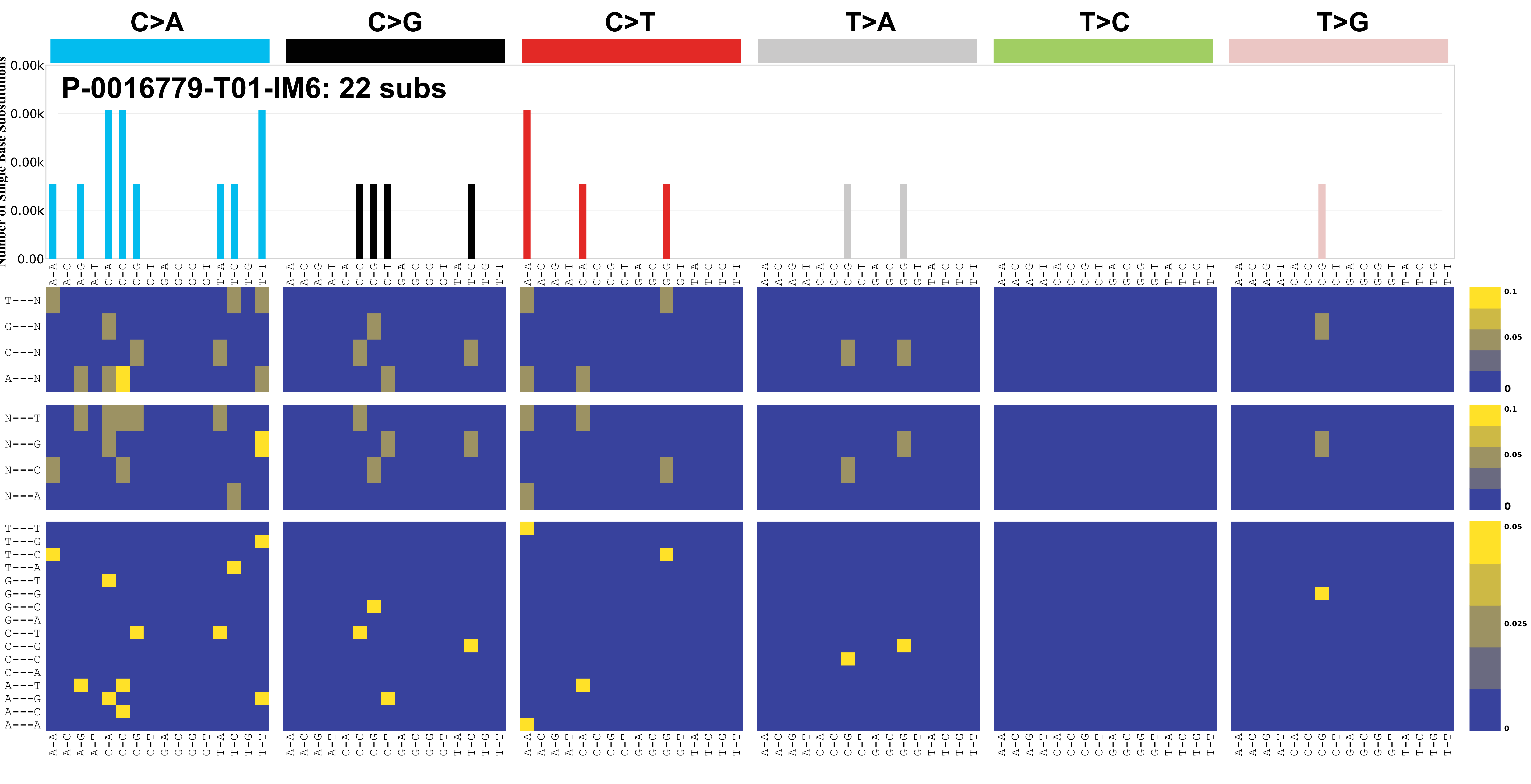


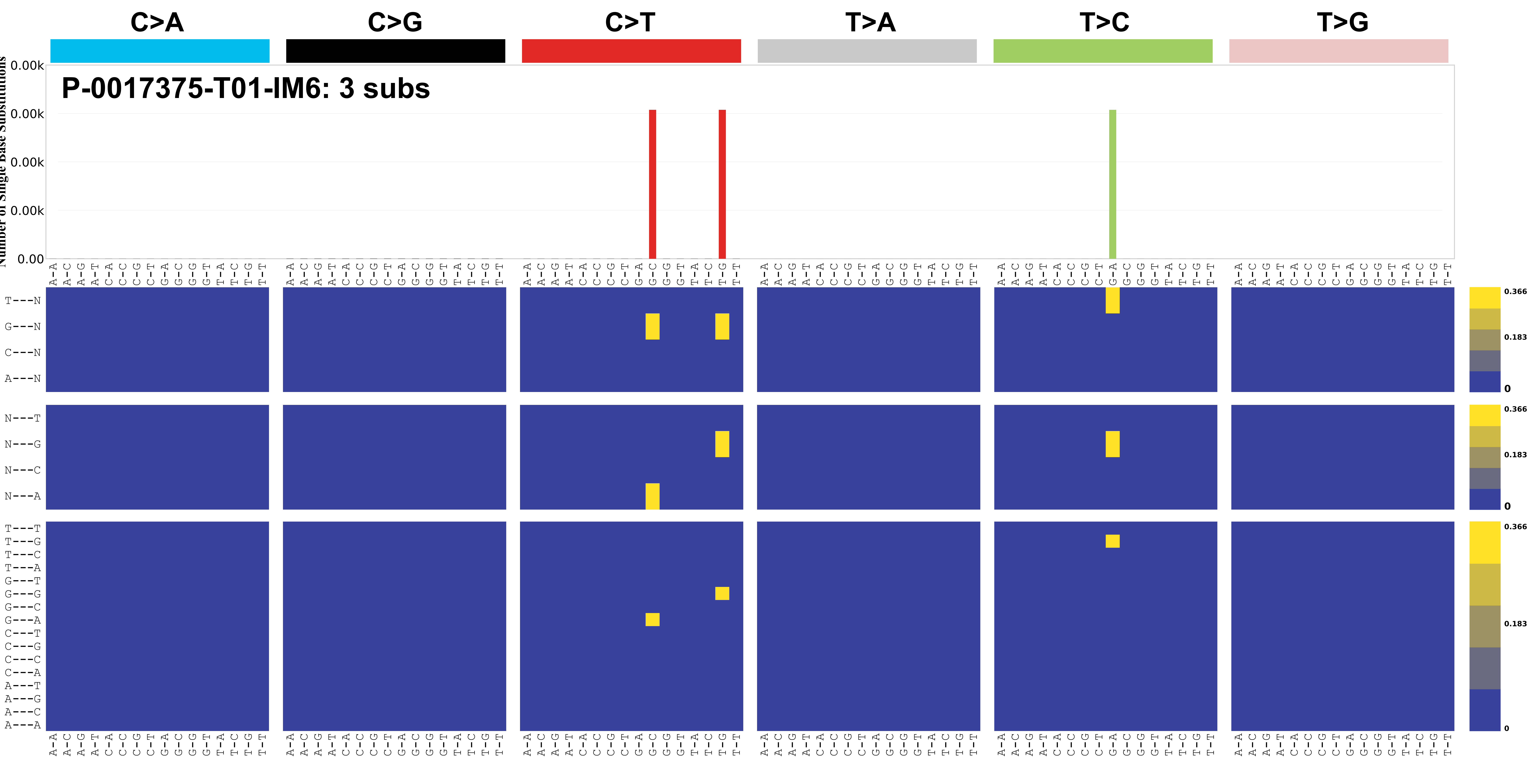


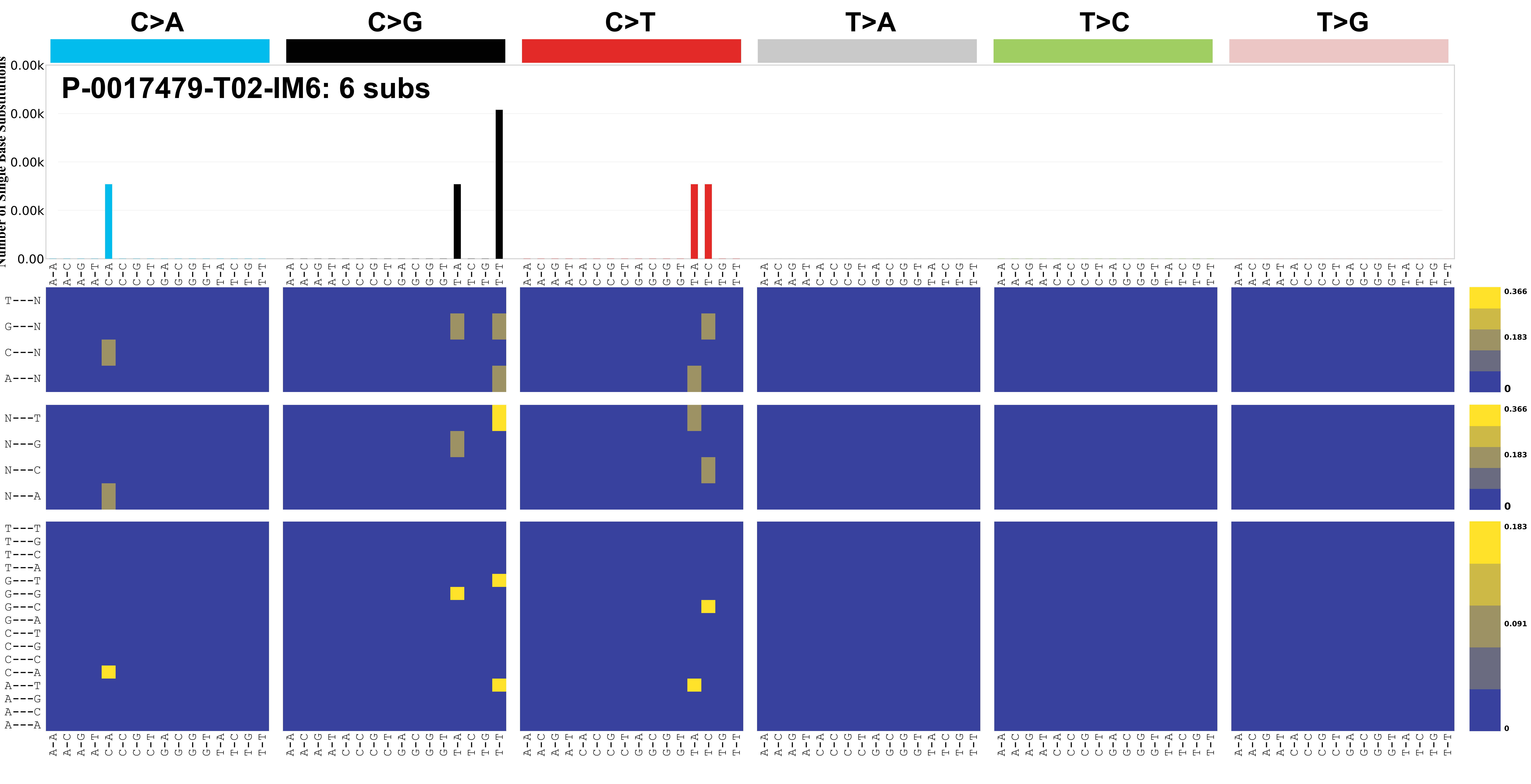


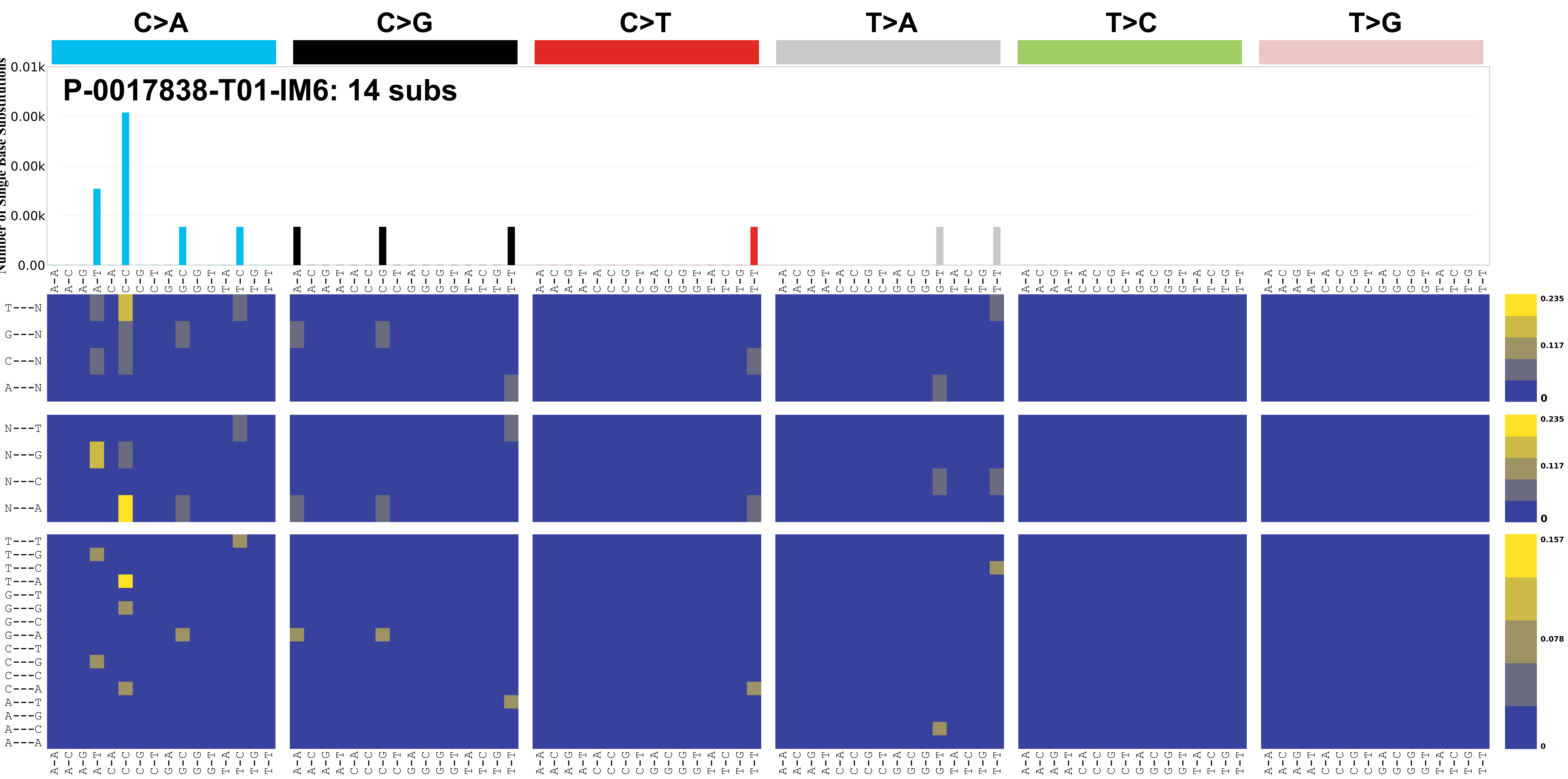
T>G

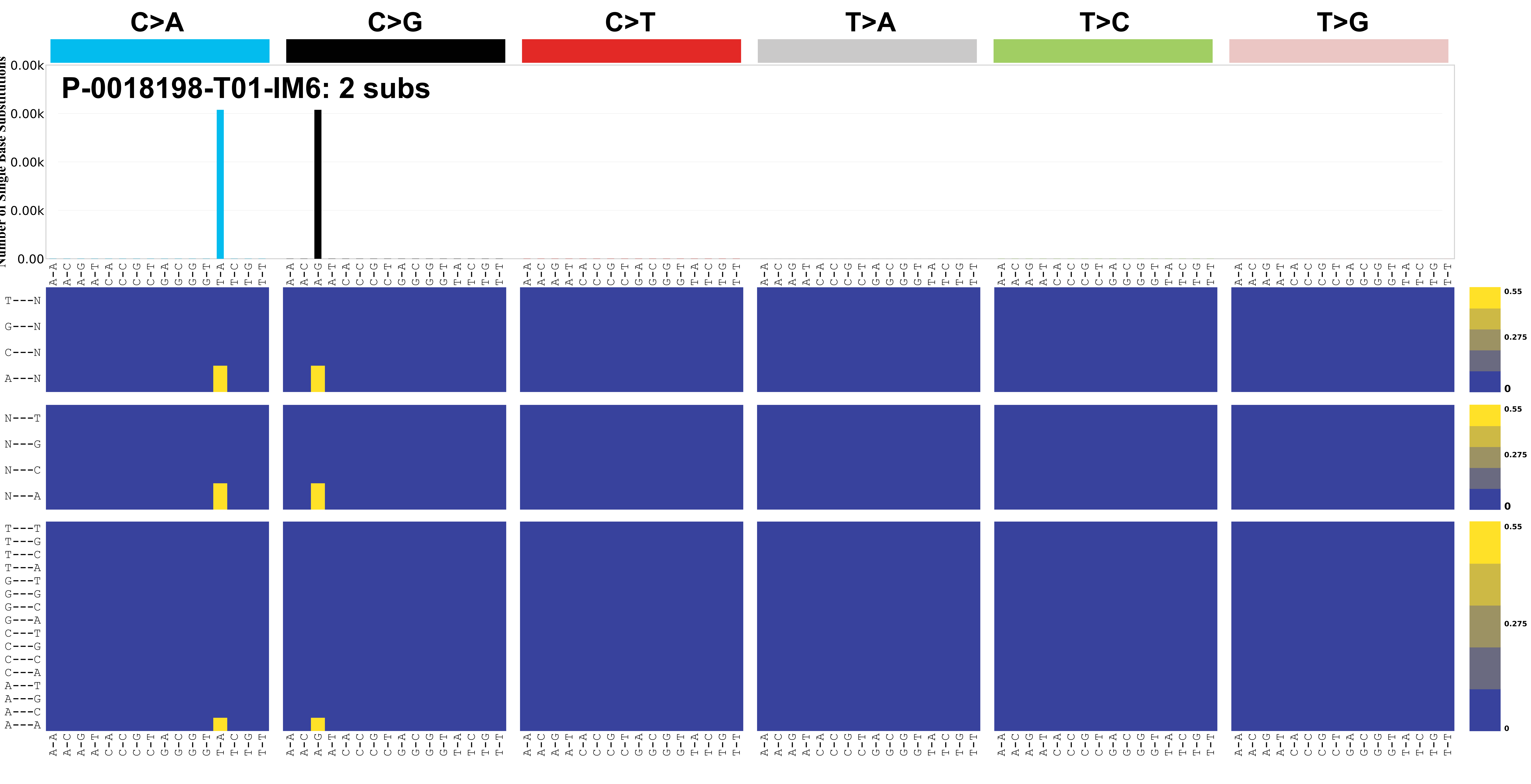


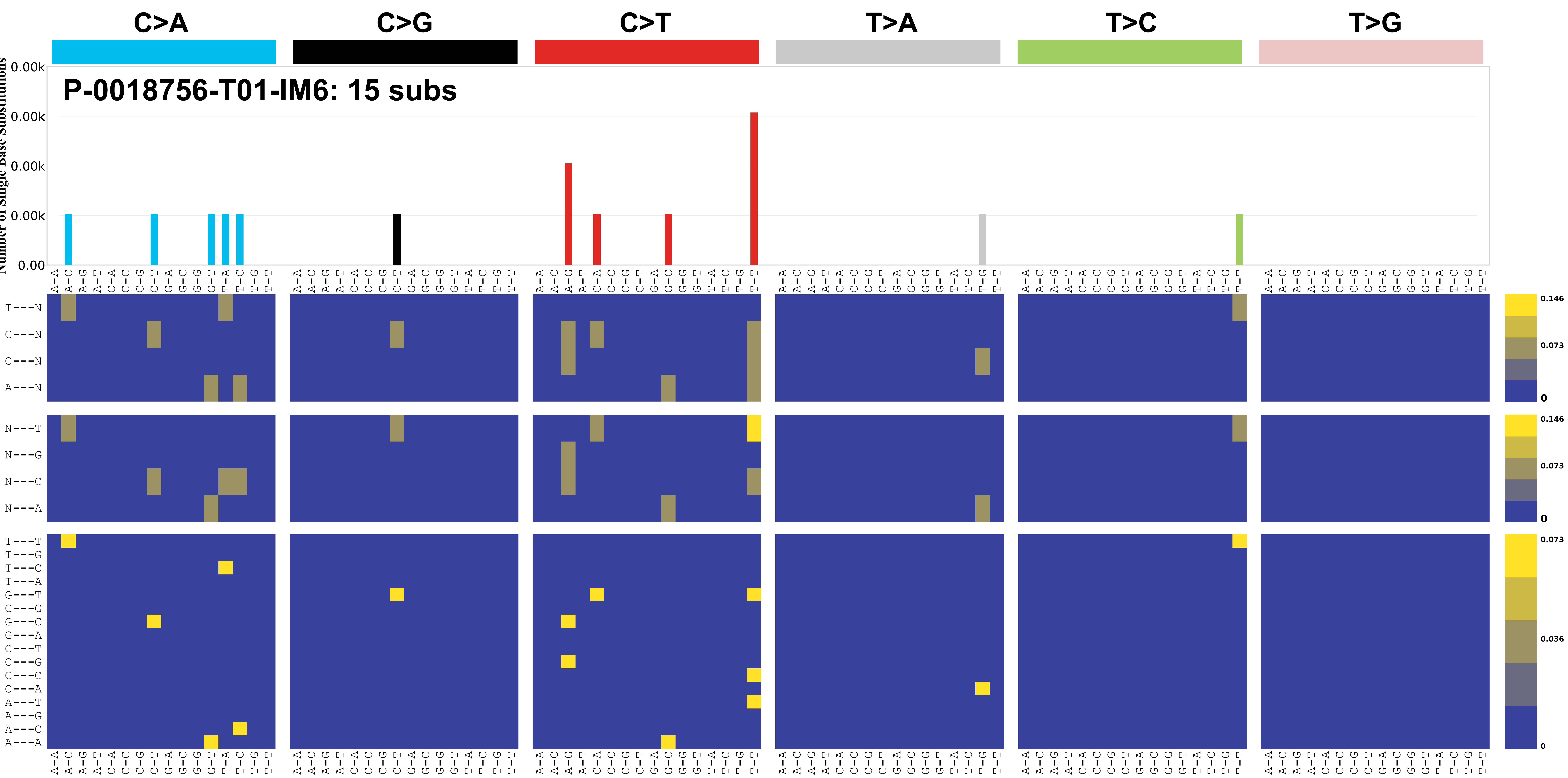


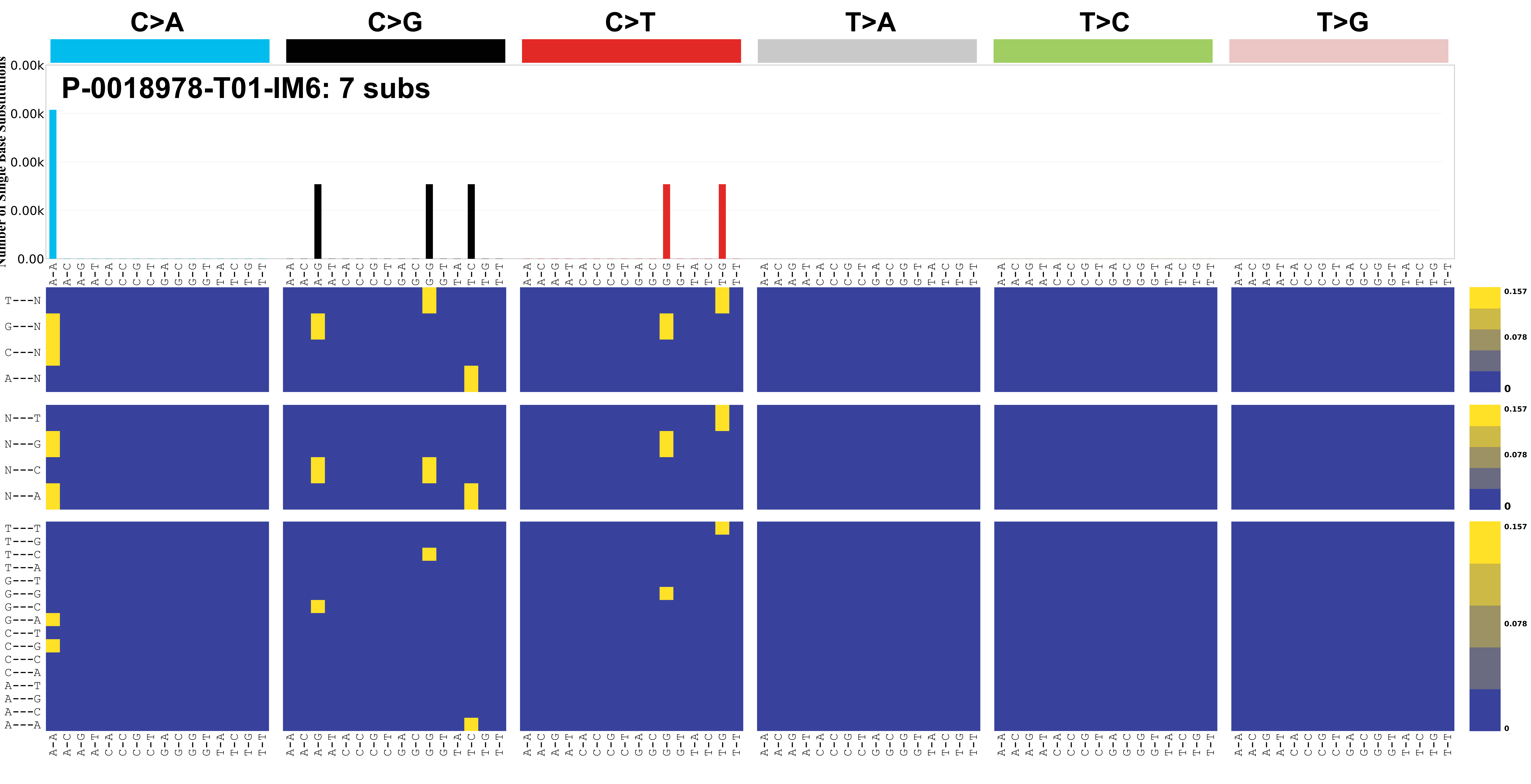


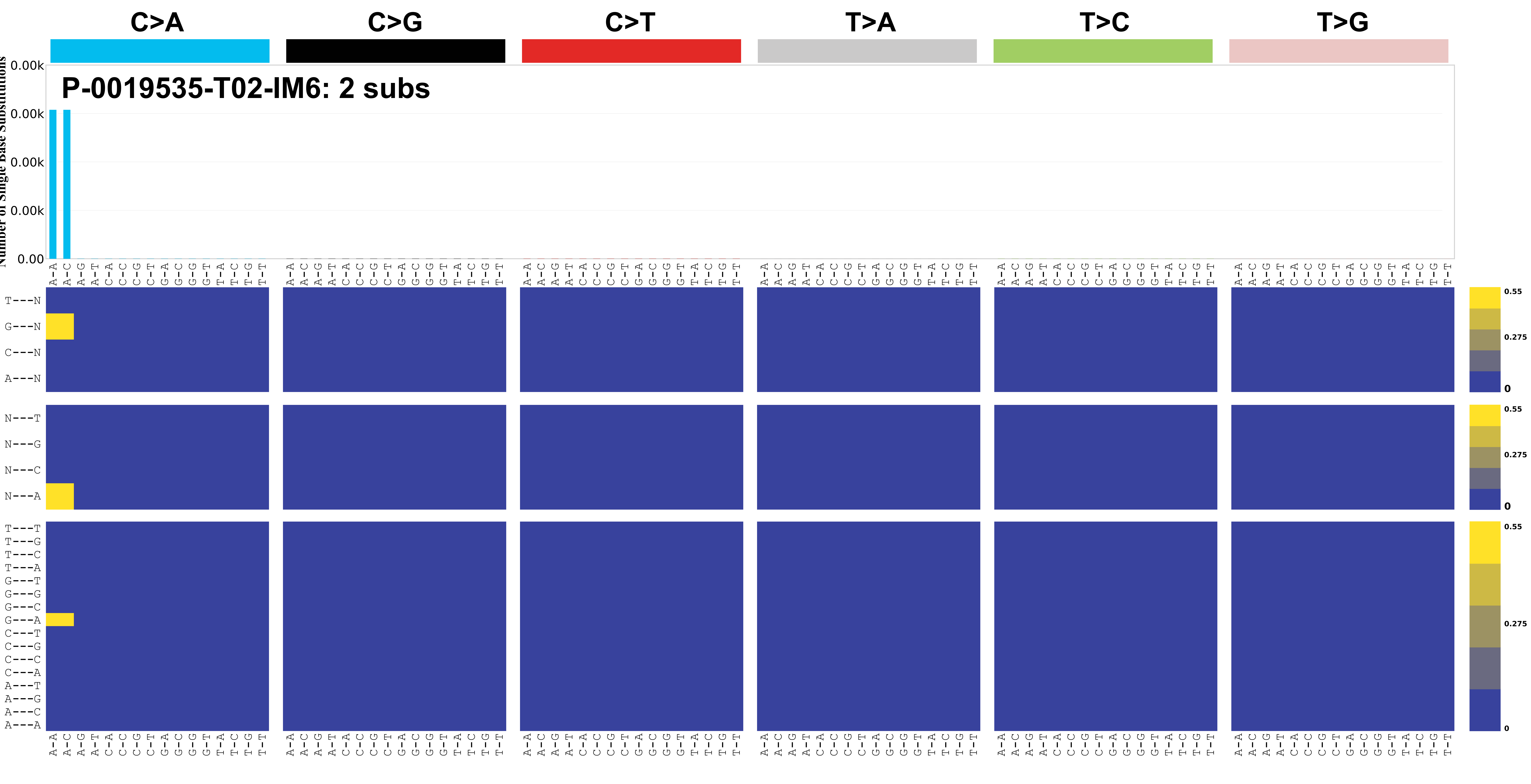








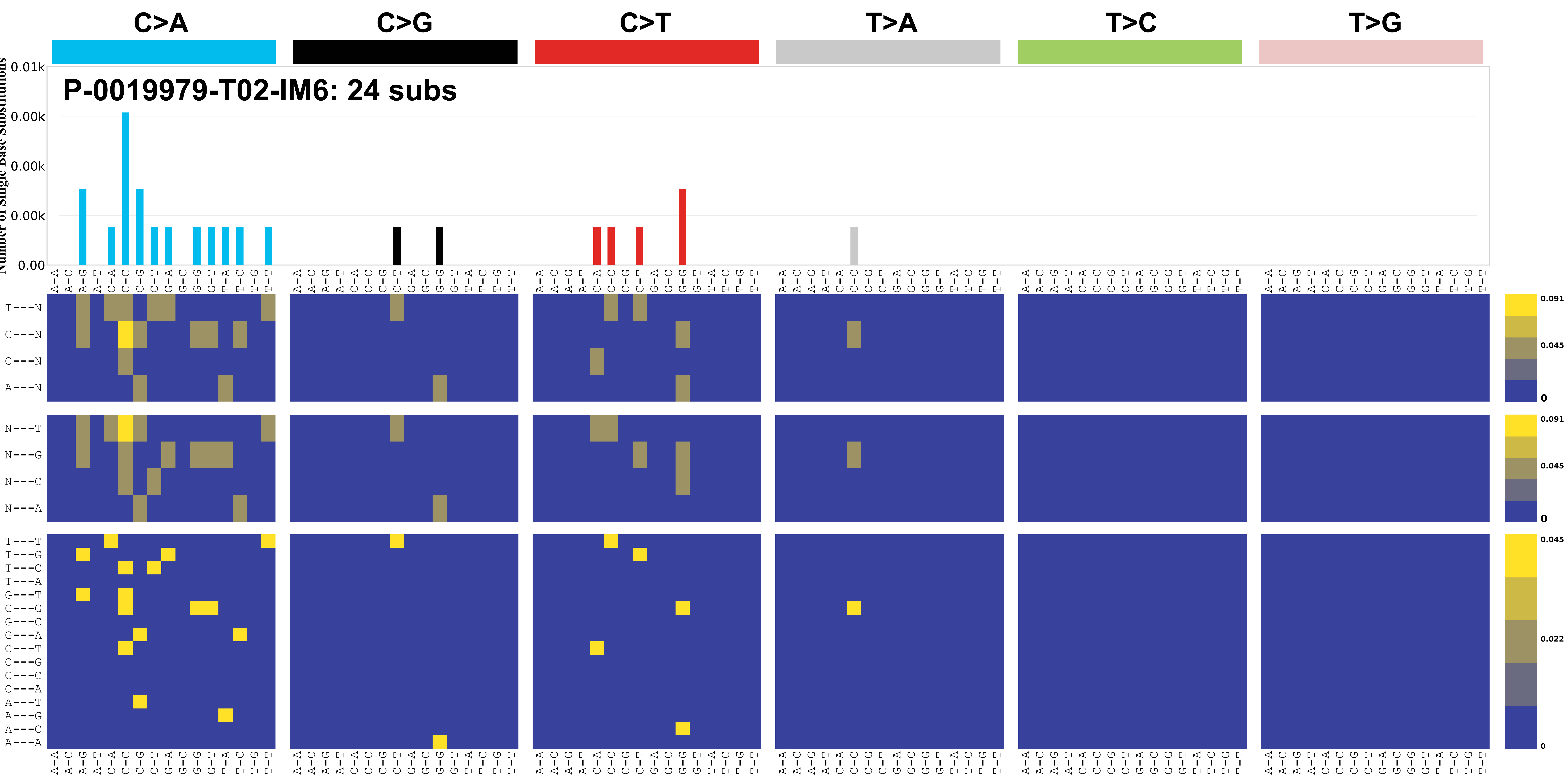


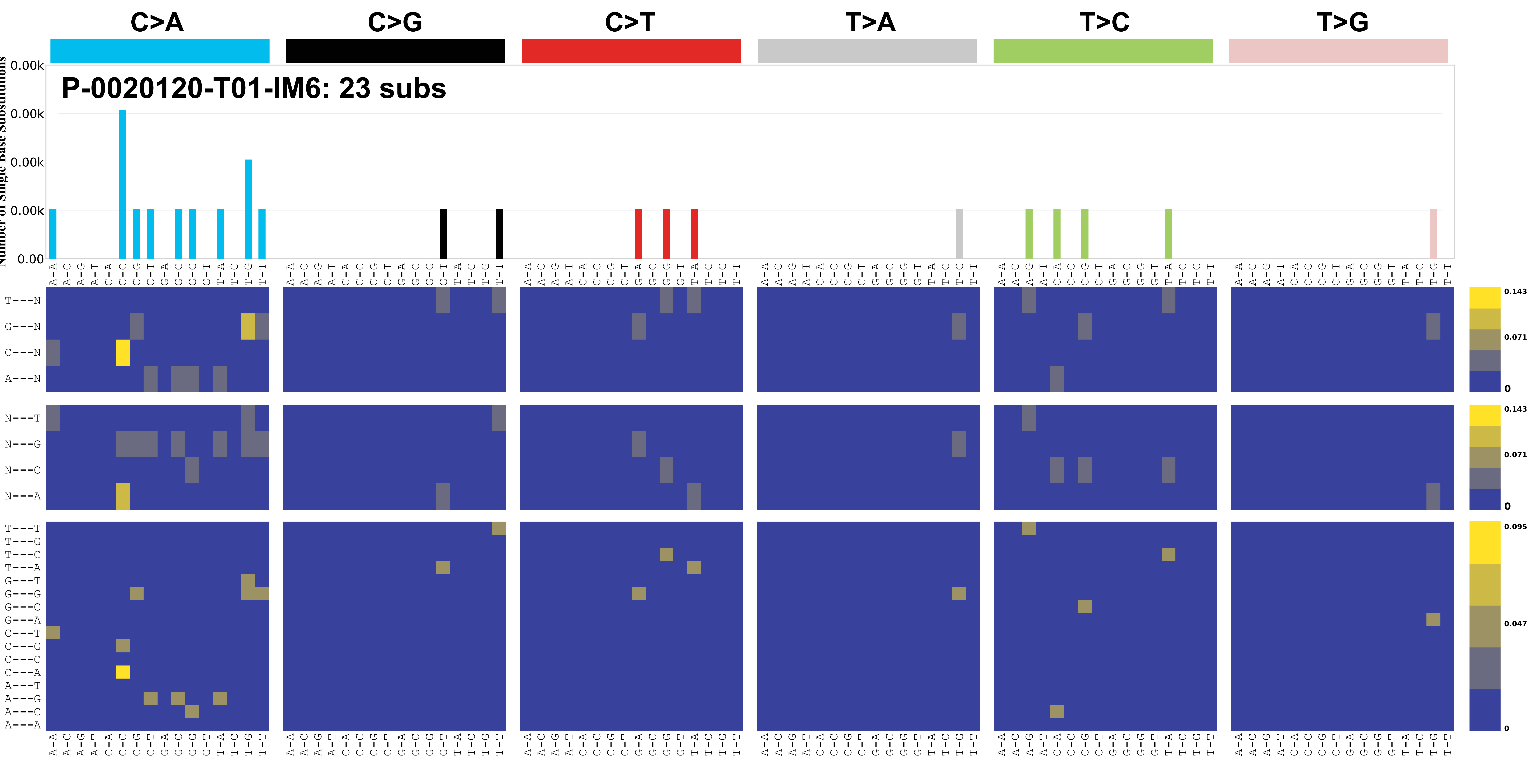


T>G

P-0019684-T01-IM6: 10 subs

The figure displays the results of a substitution analysis for the sequence P-0019684-T01-IM6 across 10 subsamples. The top panel is a bar chart showing the number of single base substitutions for each of the 16 dinucleotide contexts (A-A, A-C, A-G, A-T, C-A, C-C, C-G, C-T, G-A, G-C, G-G, G-T, T-A, T-C, T-G, T-T). The y-axis represents the number of substitutions, ranging from 0.00 to 0.00k. The bottom panel consists of a 3x16 grid of heatmaps, where each row represents a different dinucleotide context (A-A, A-C, A-G, A-T, C-A, C-C, C-G, C-T, G-A, G-C, G-G, G-T, T-A, T-C, T-G, T-T) and each column represents a different dinucleotide context. The color scale for the heatmaps ranges from 0 (dark blue) to 0.220 (yellow), indicating the number of double base substitutions.

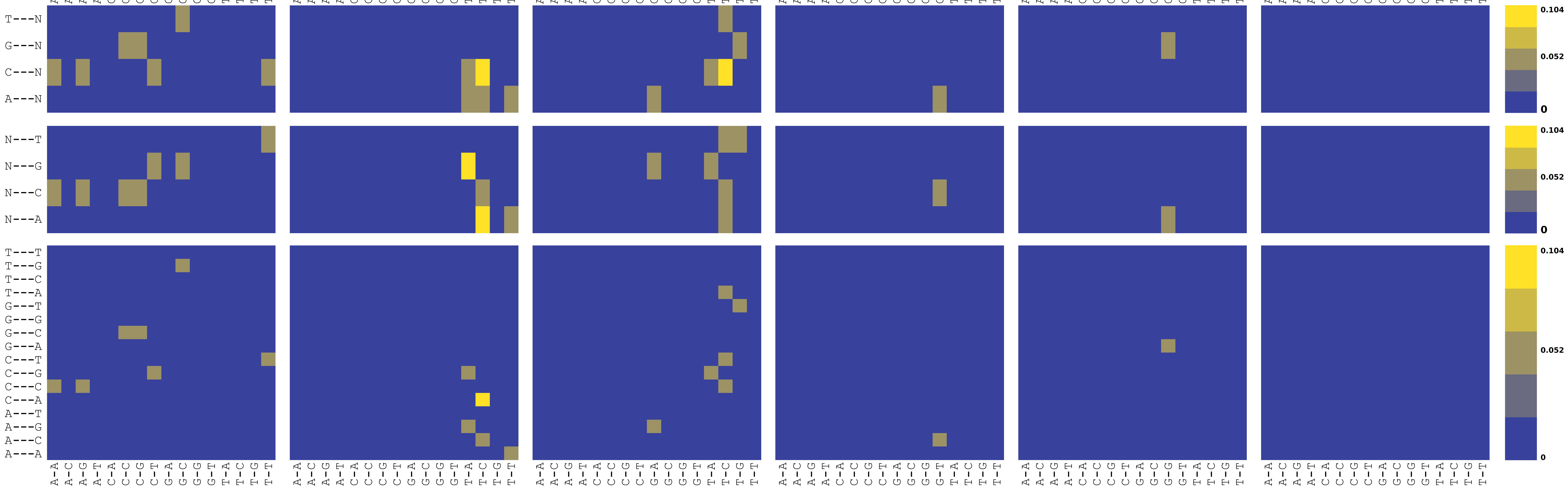


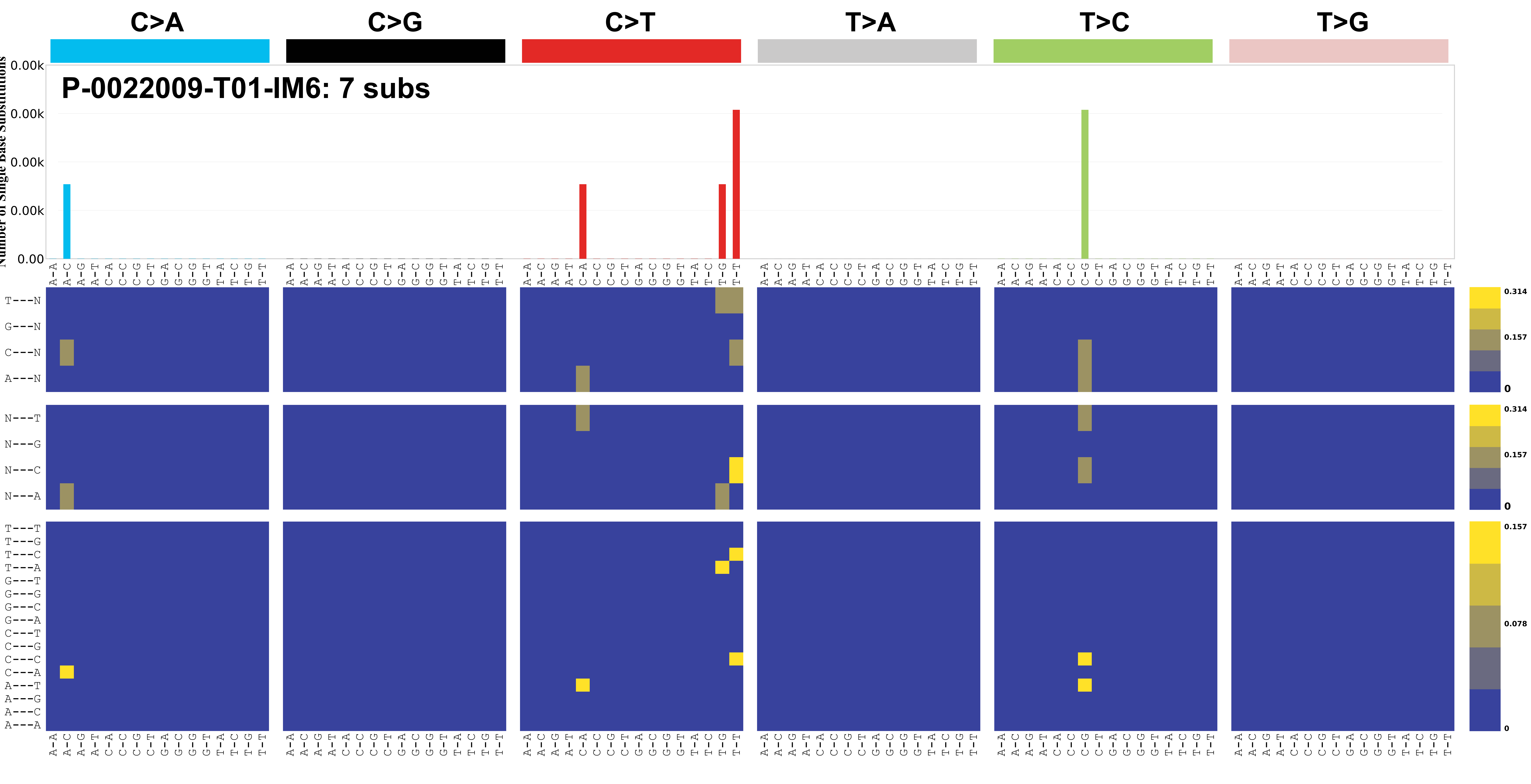


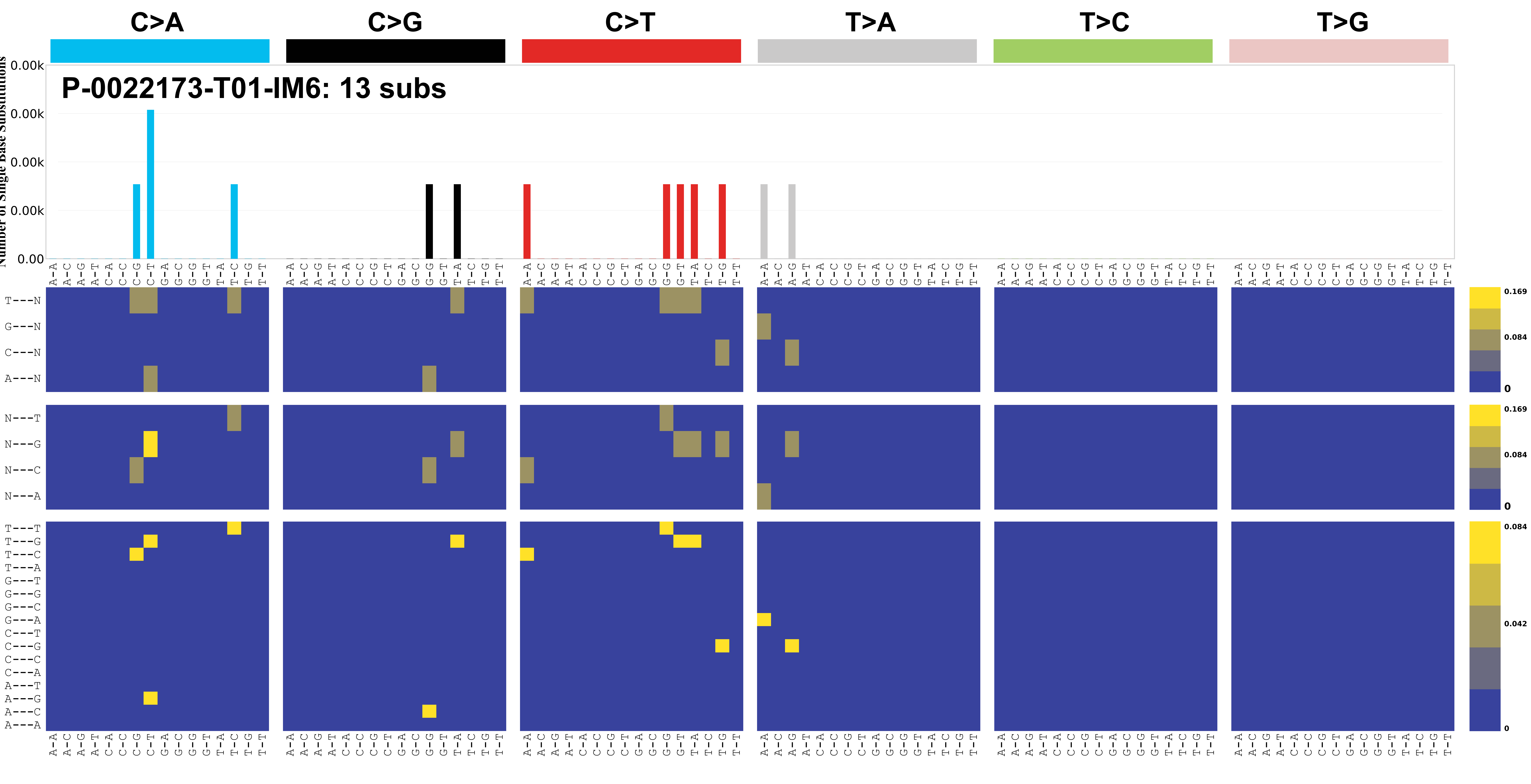
T>G

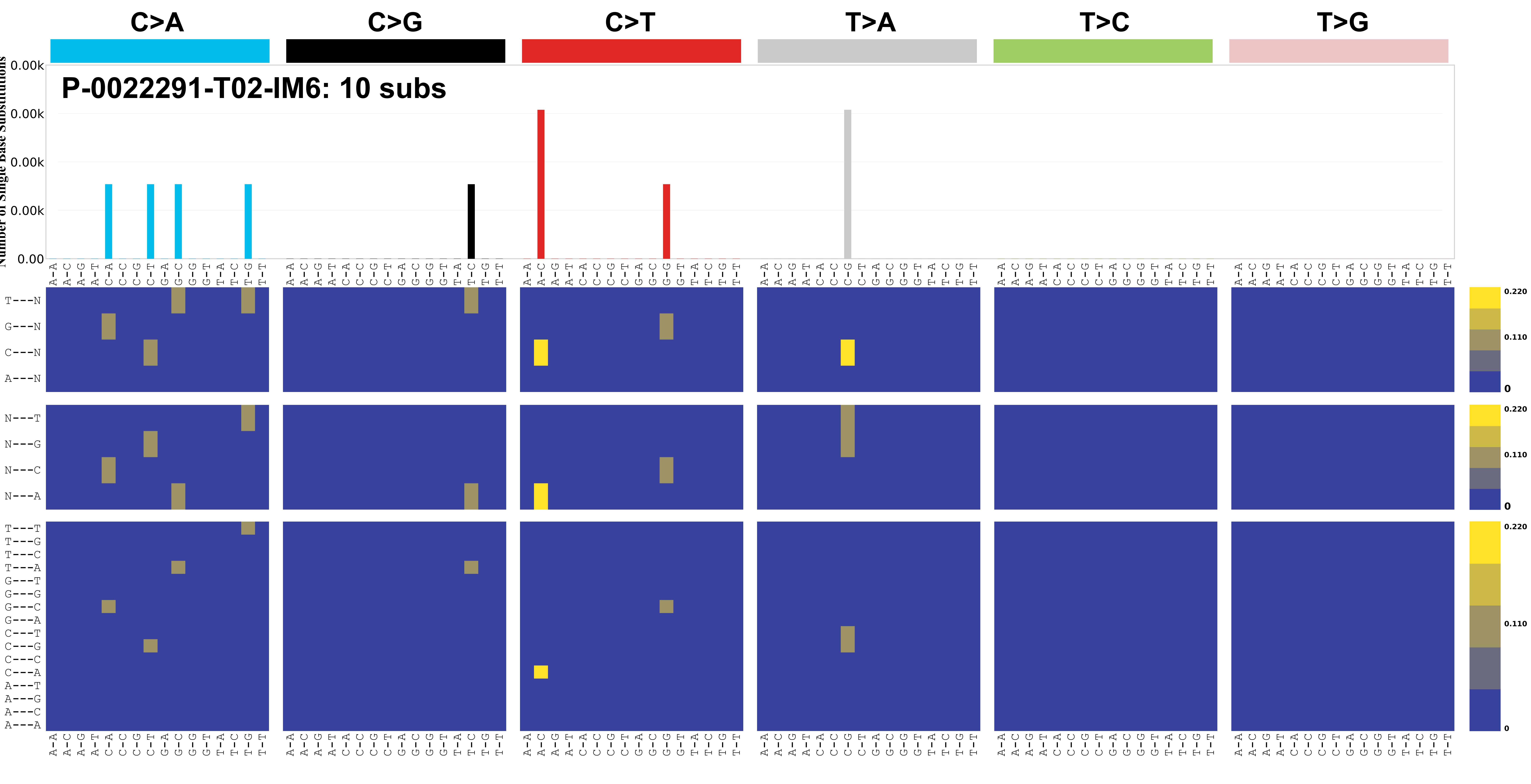
P-0020546-T01-IM6: 21 subs

Number of Single Base Substitutions



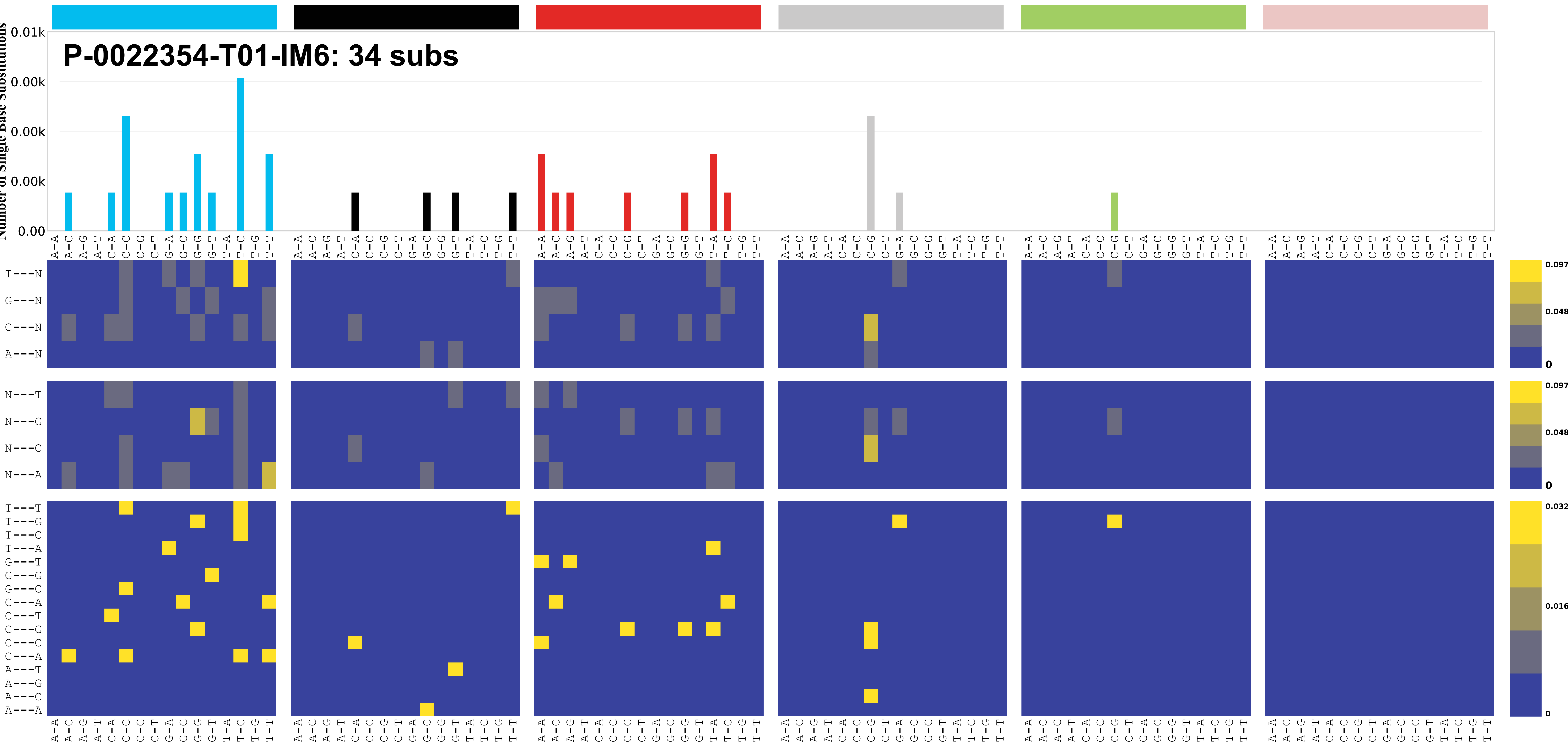


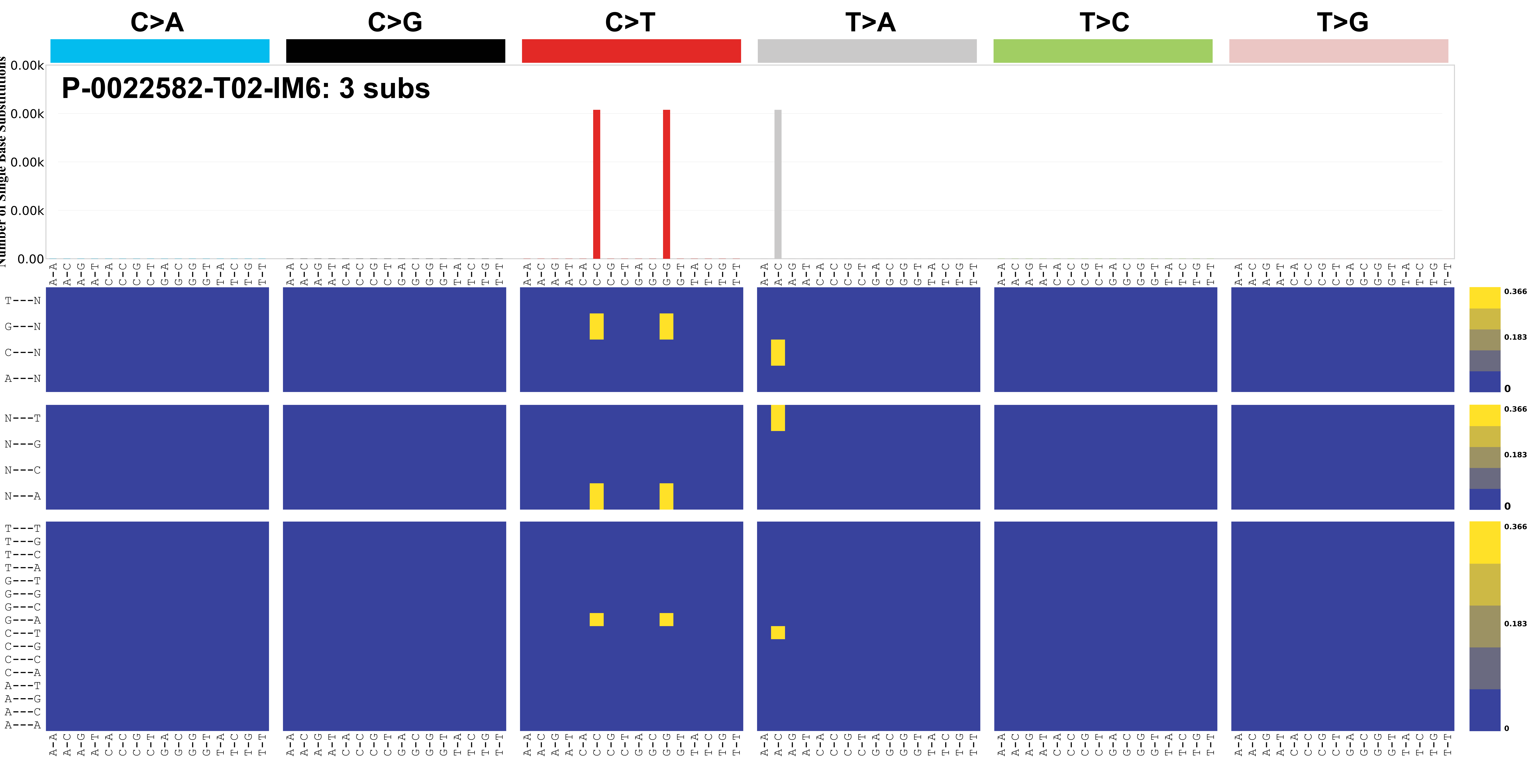


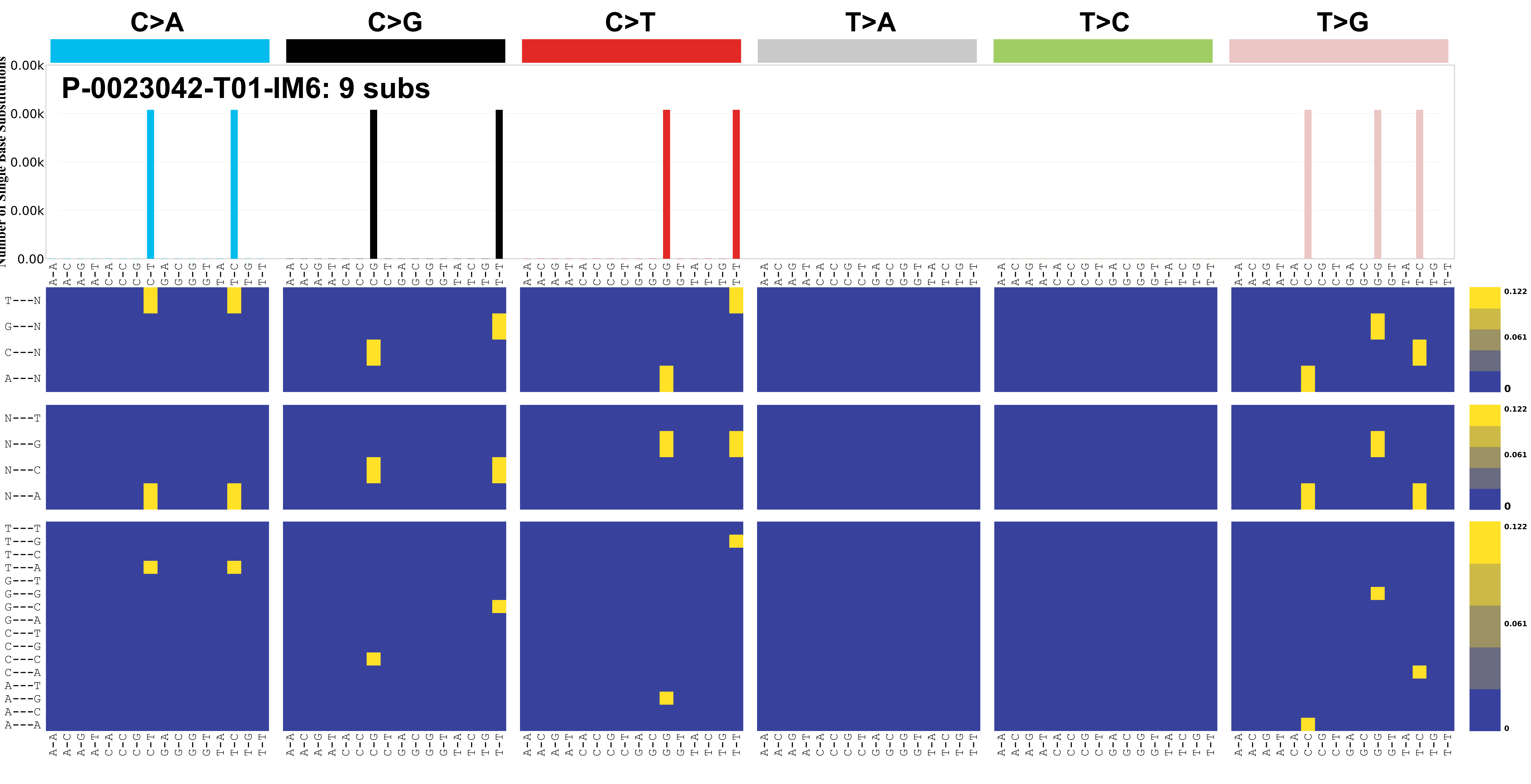


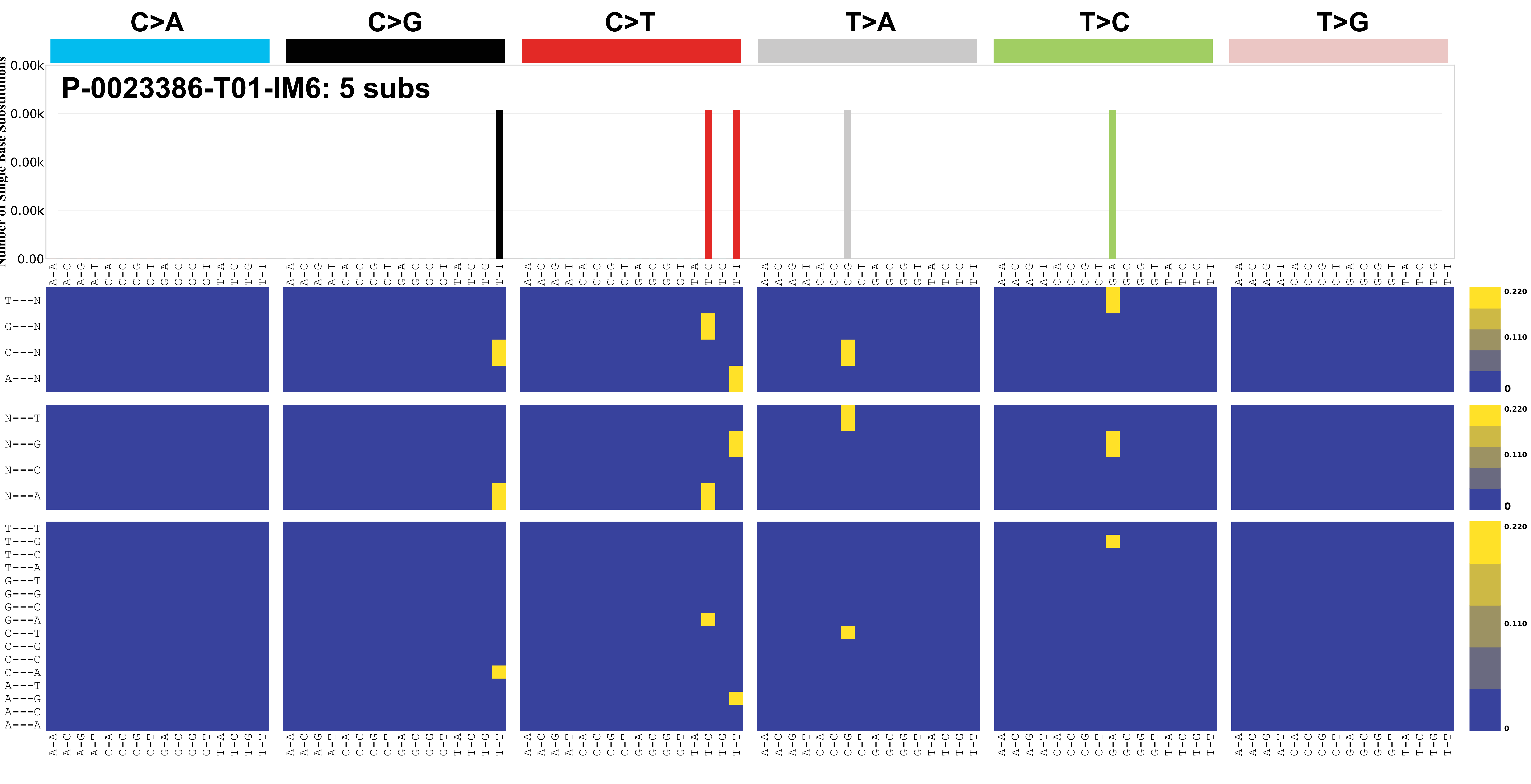
T>G

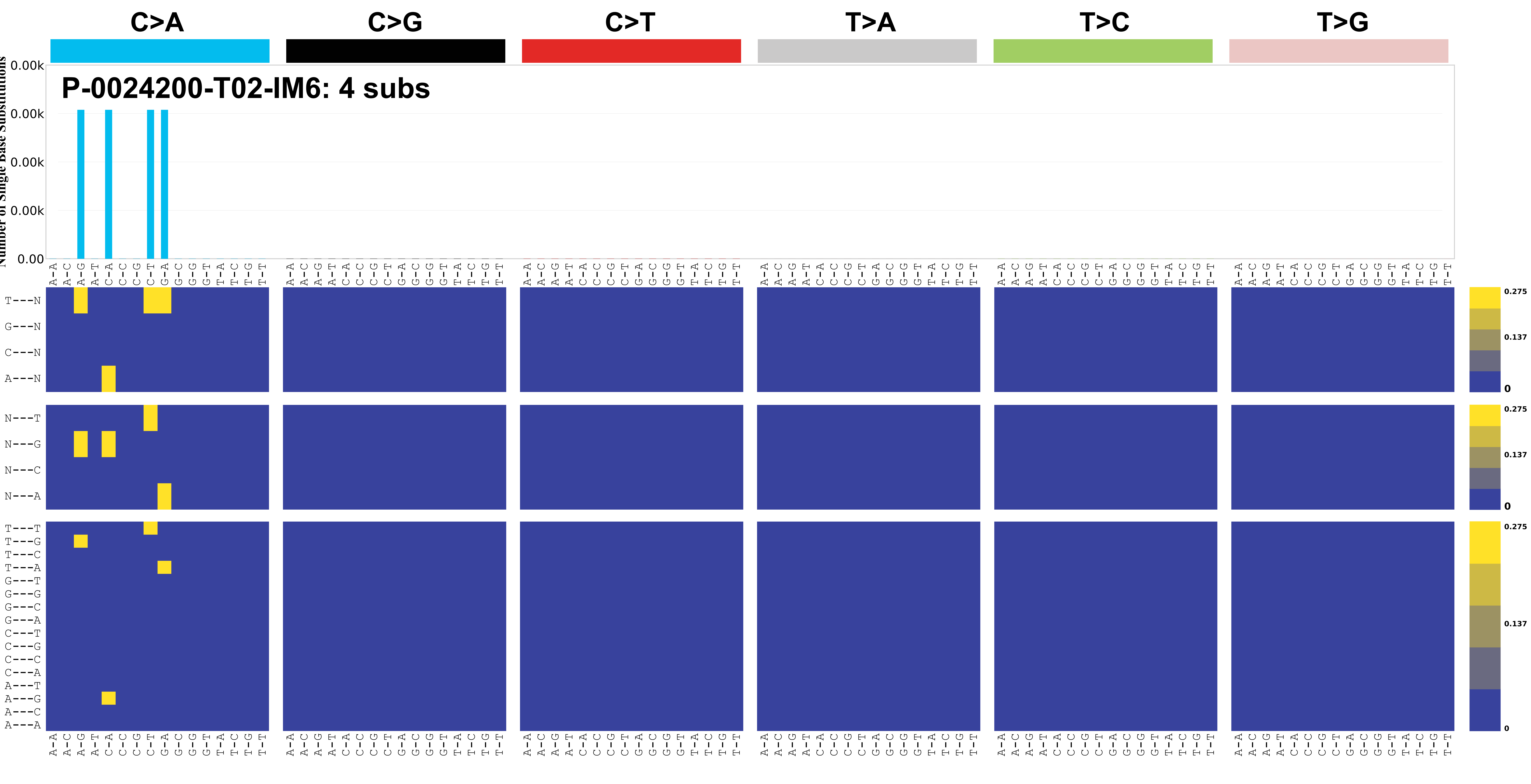
P-0022354-T01-IM6: 34 subs

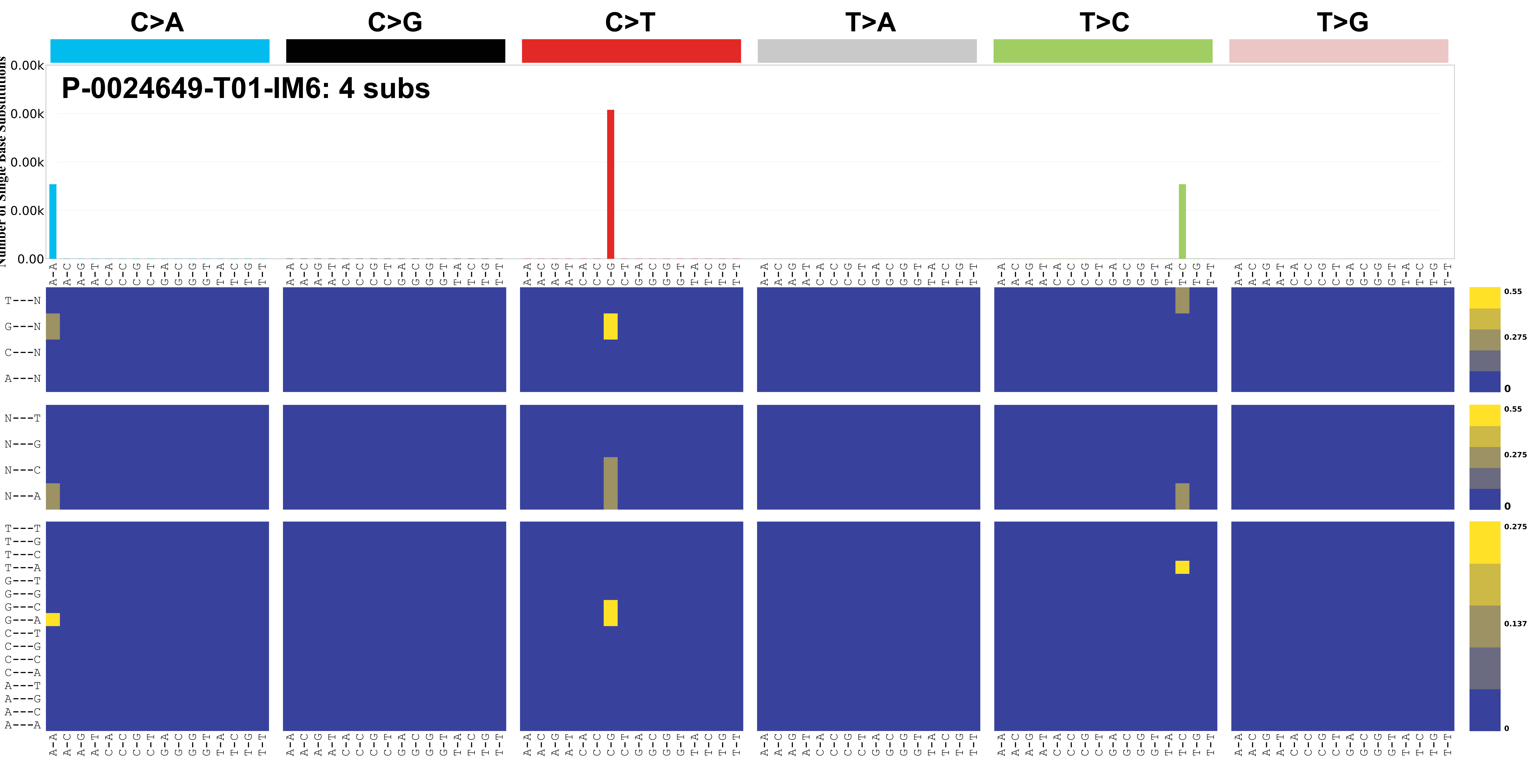


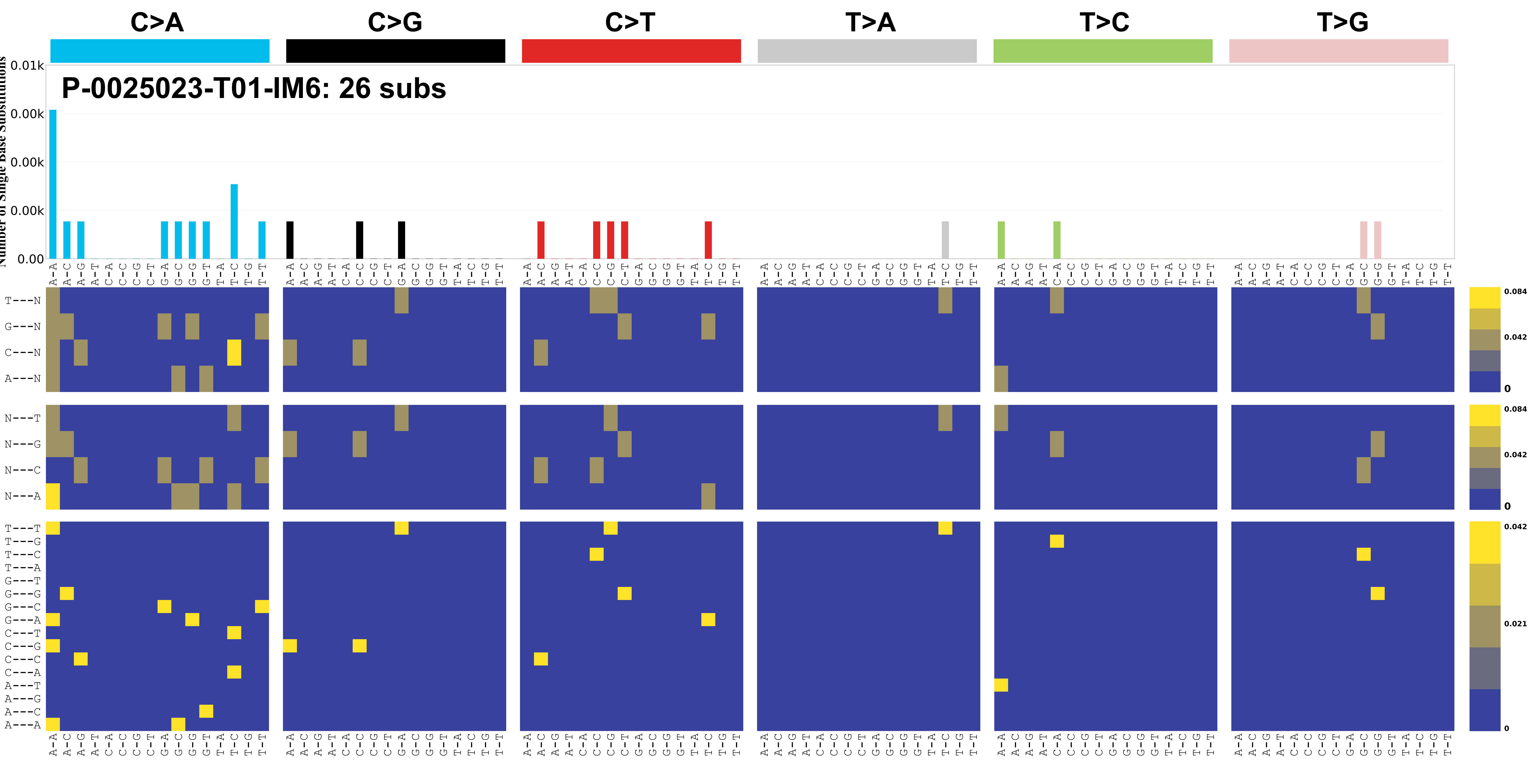


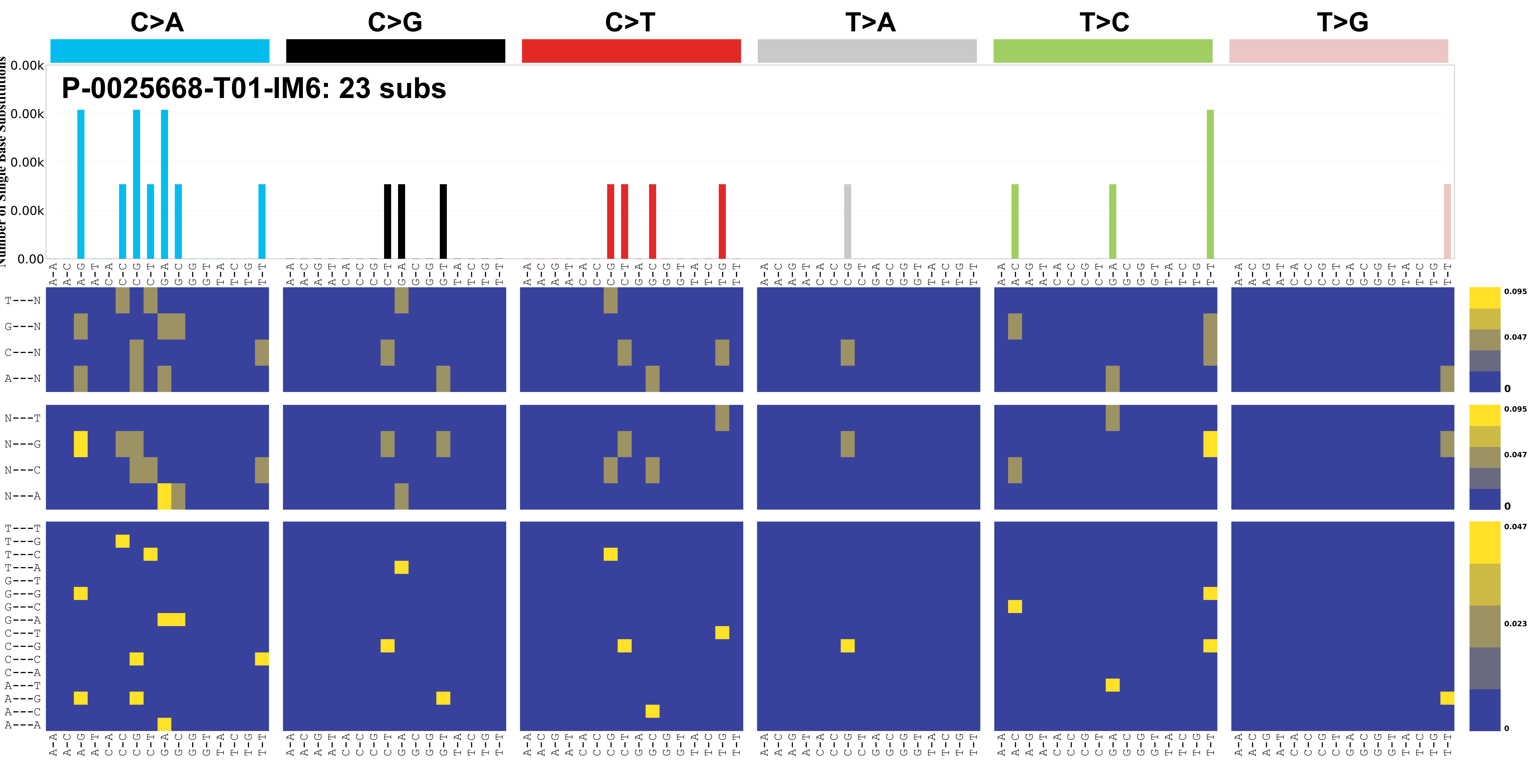


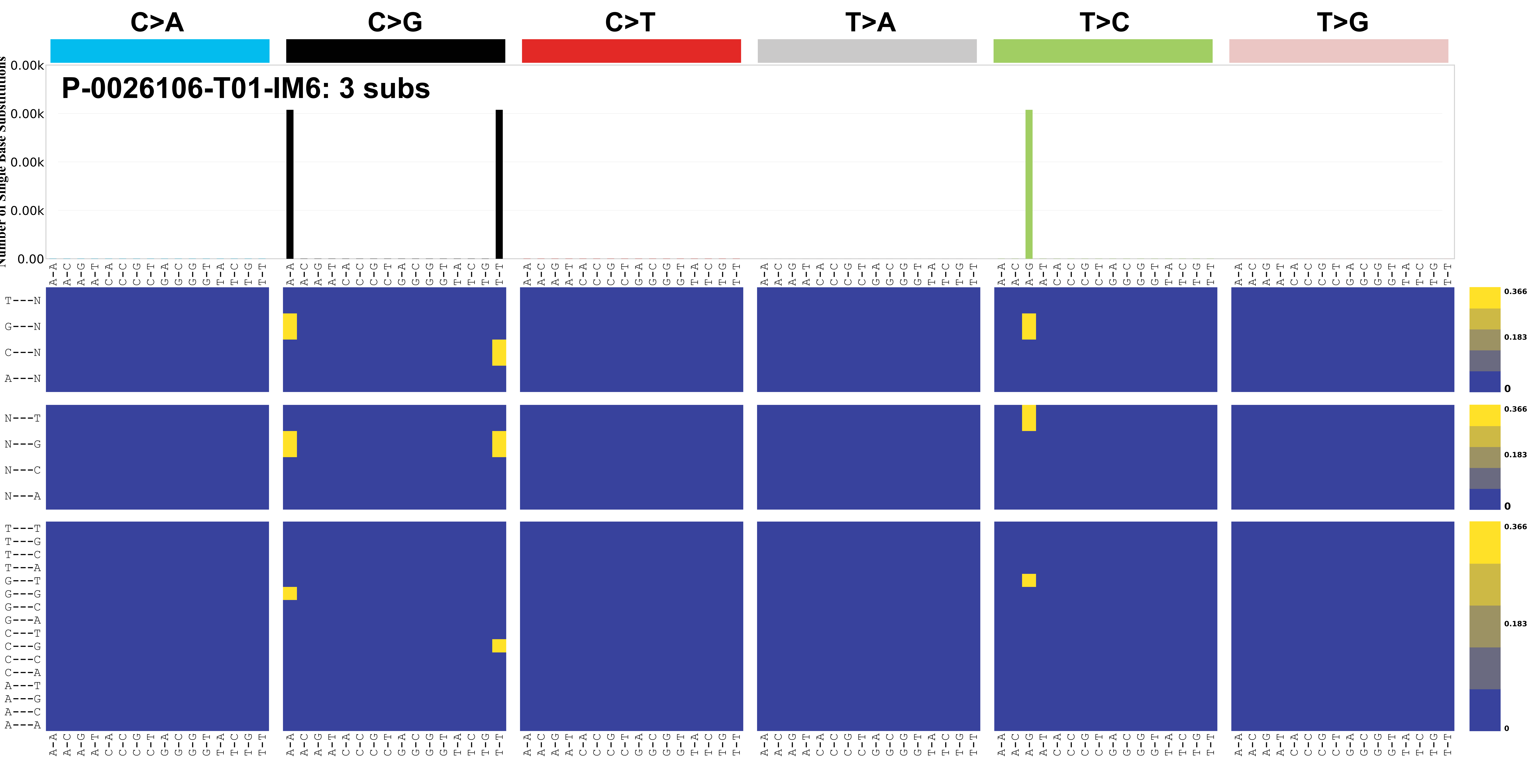


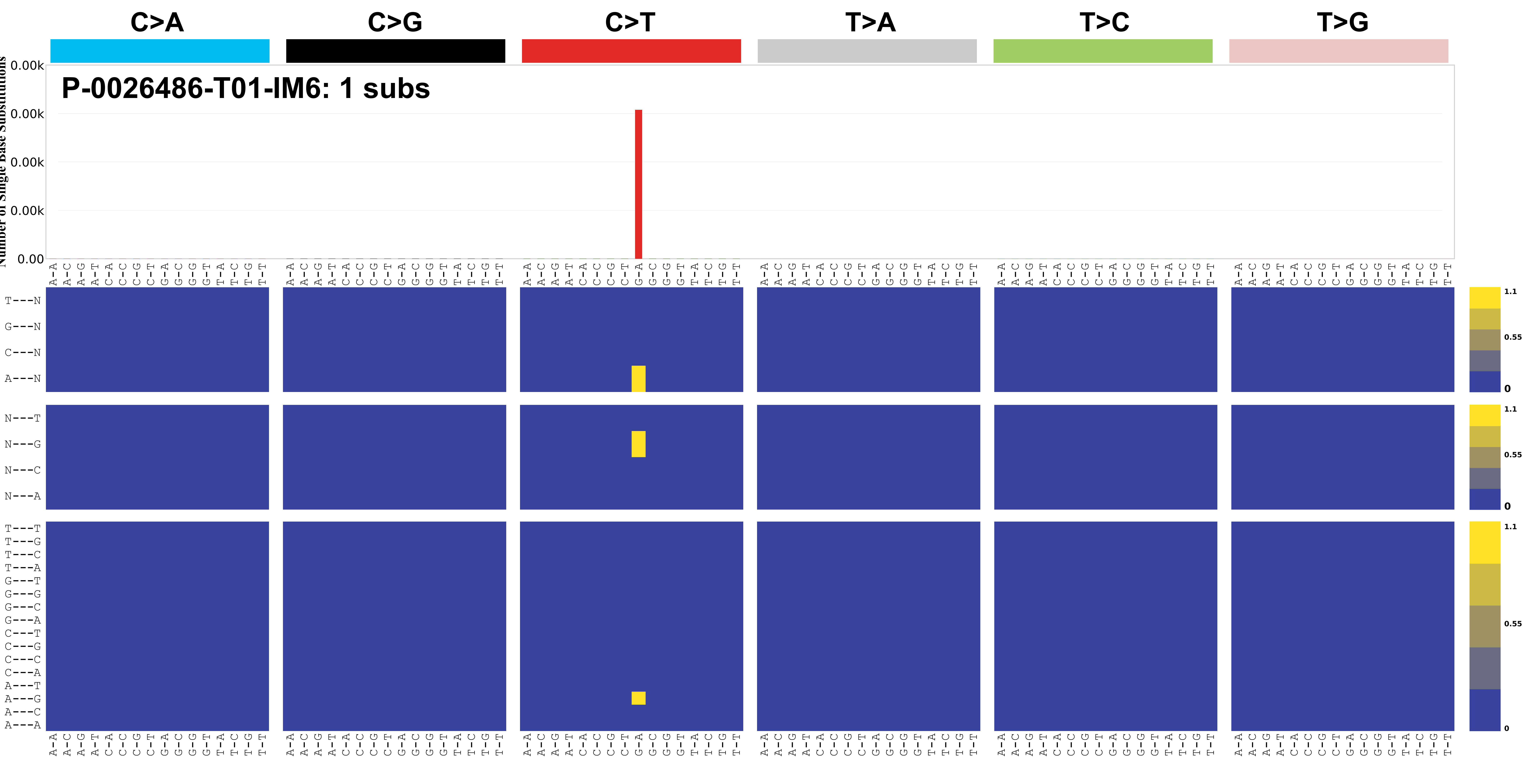


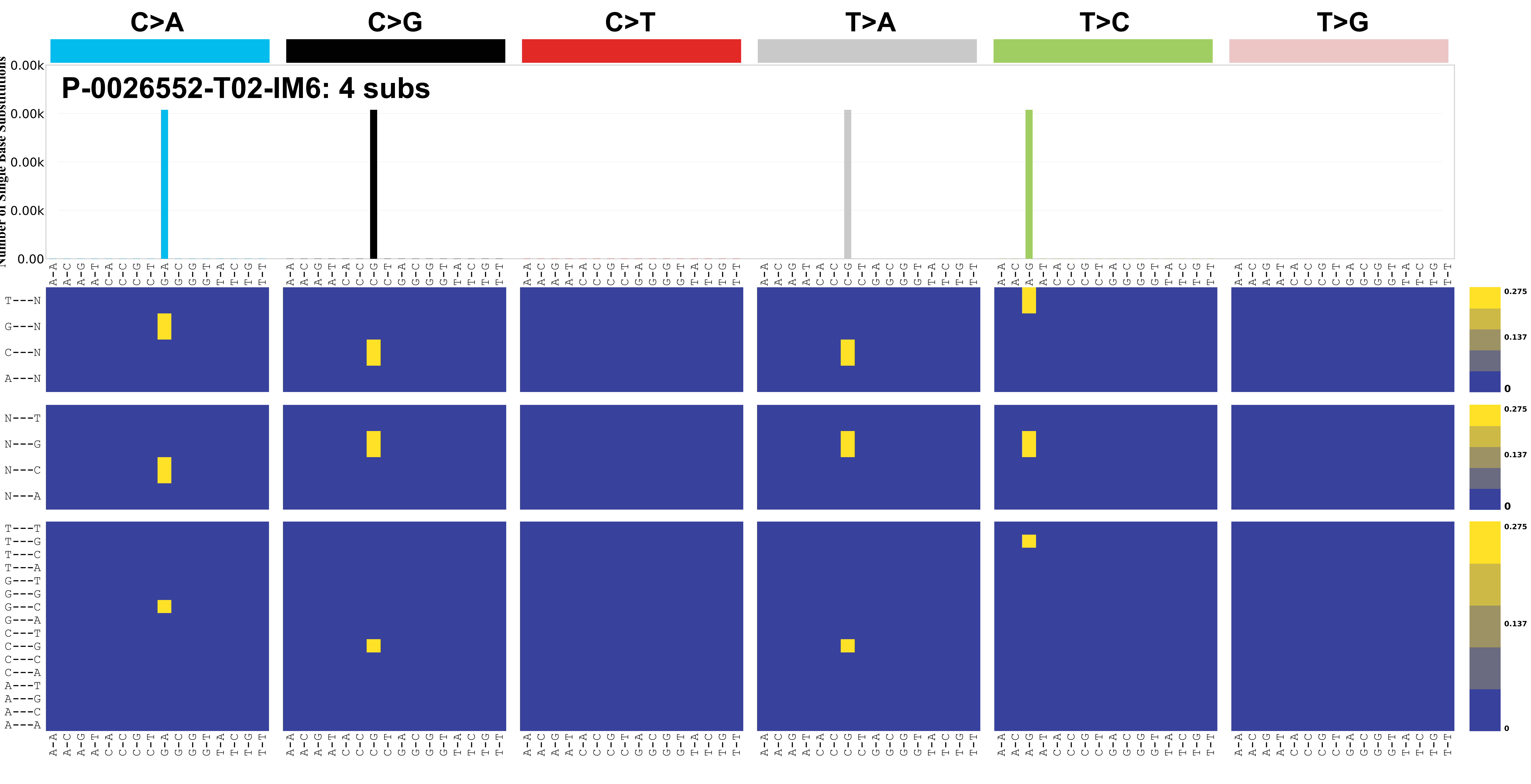


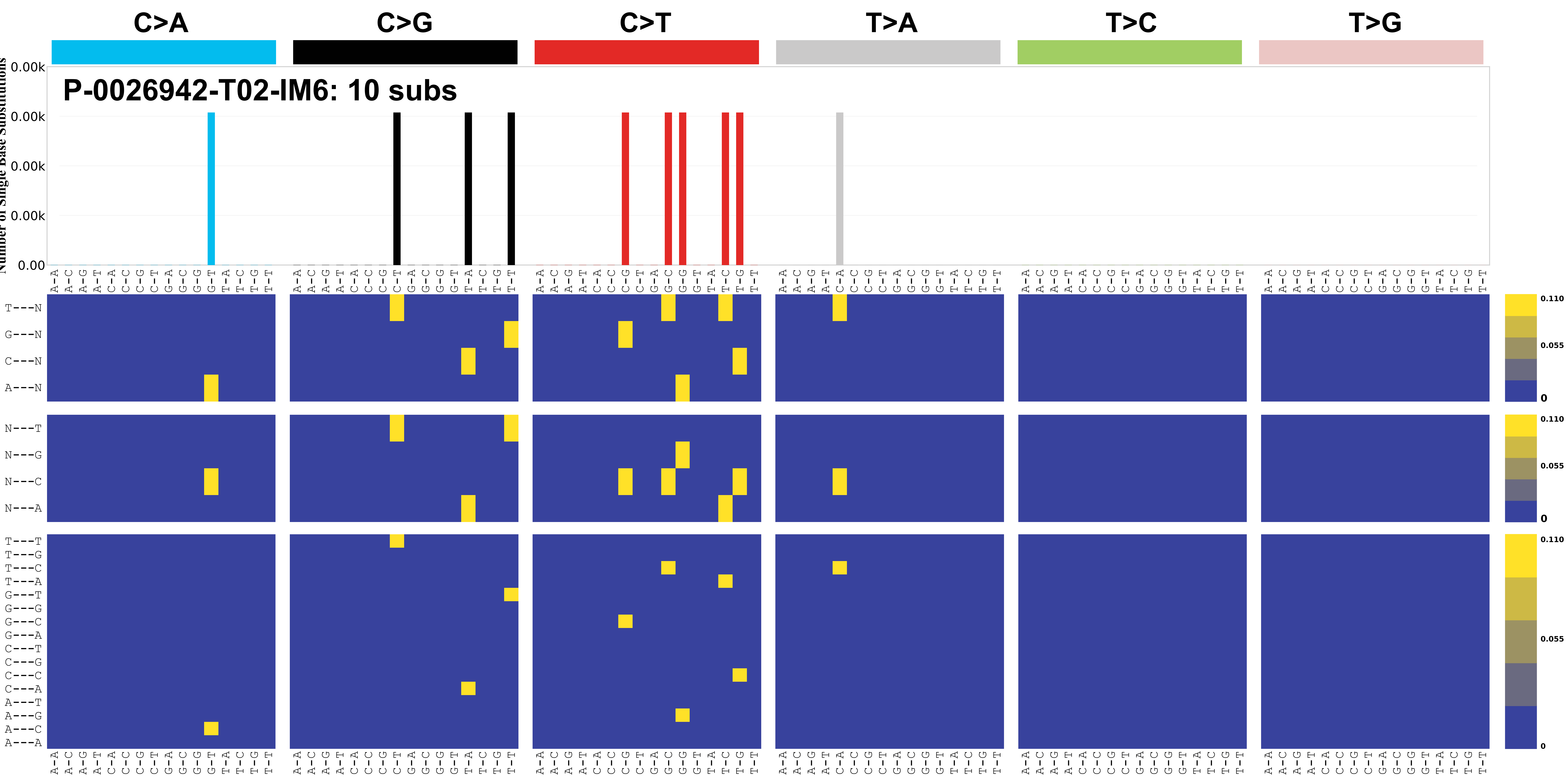


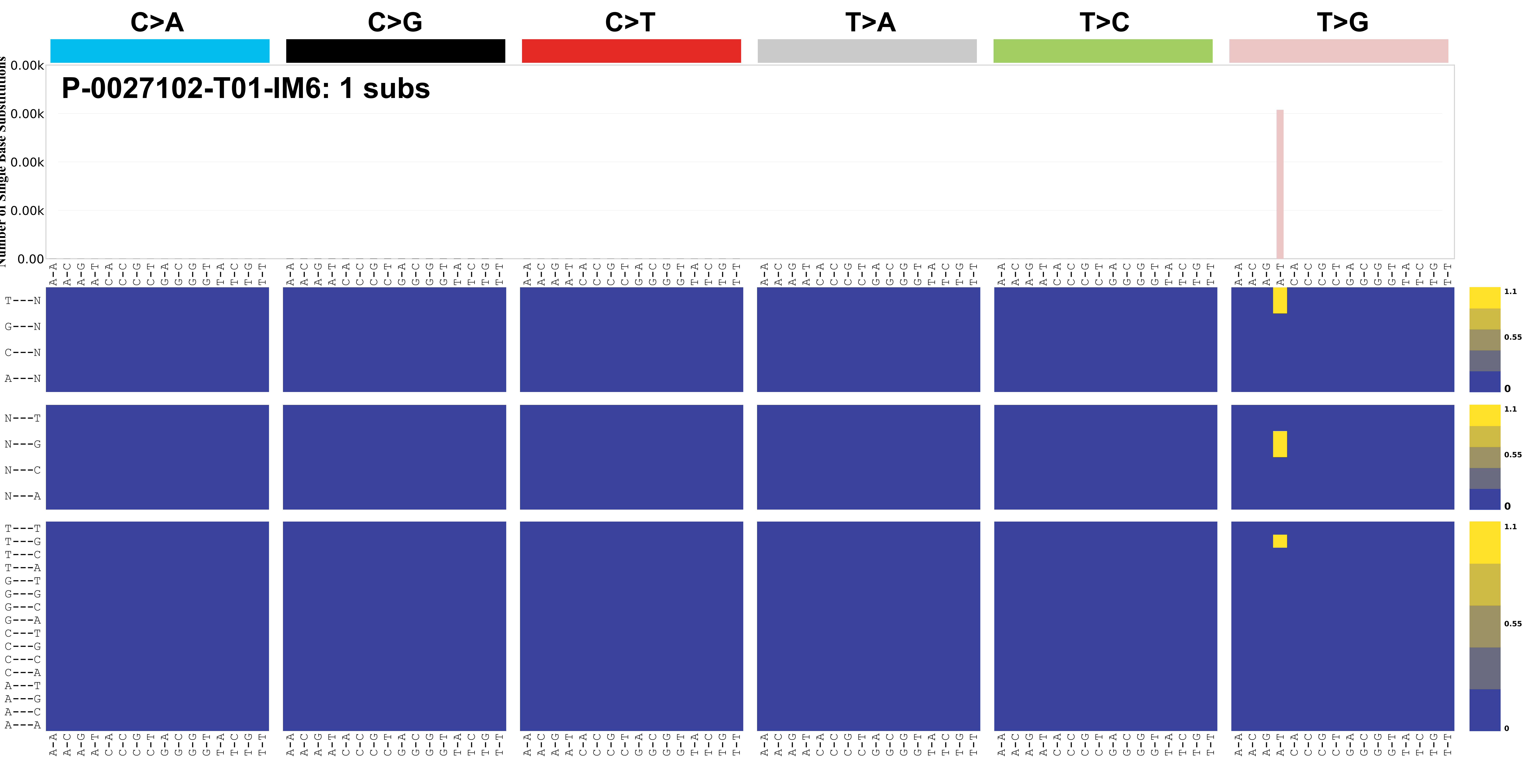


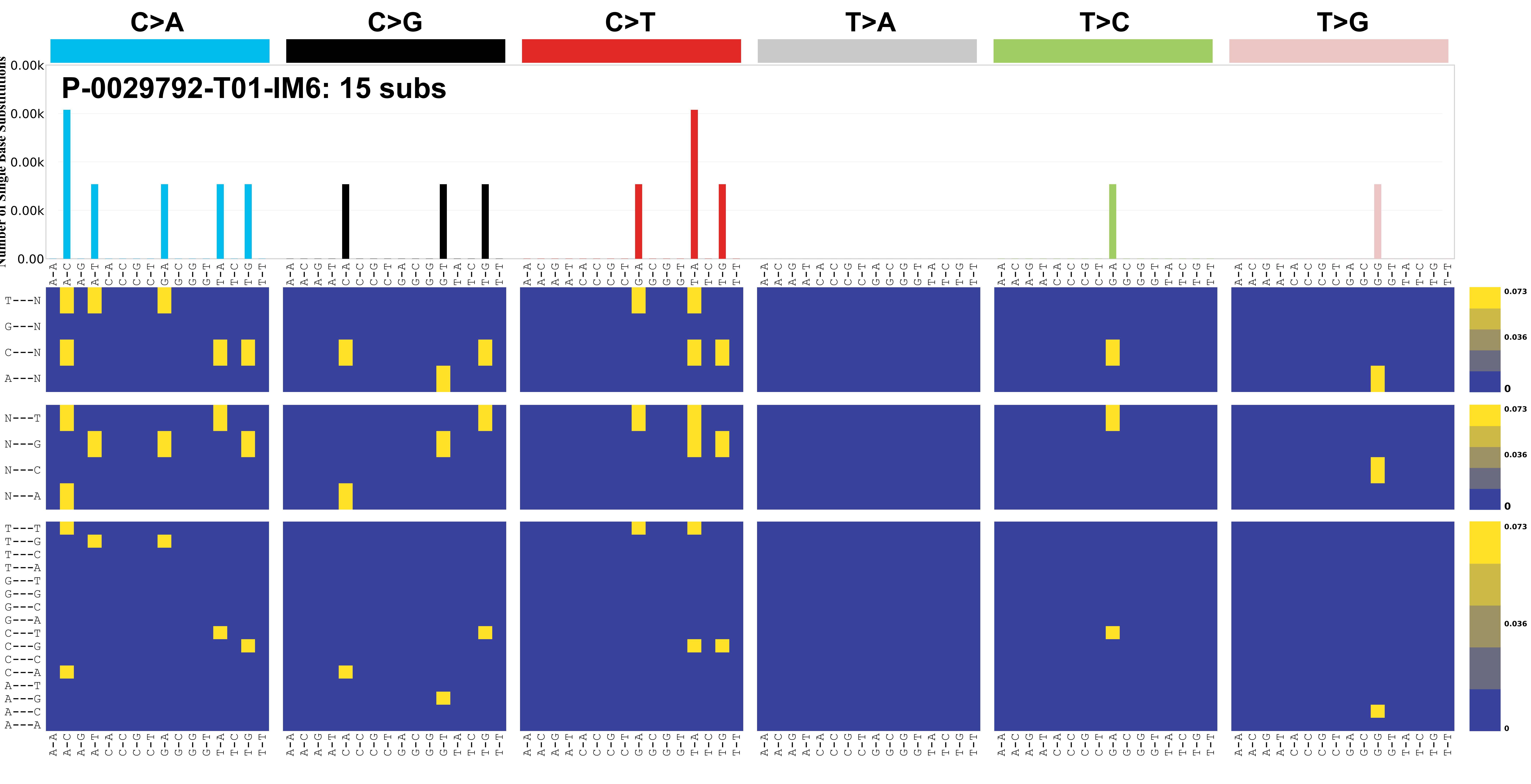


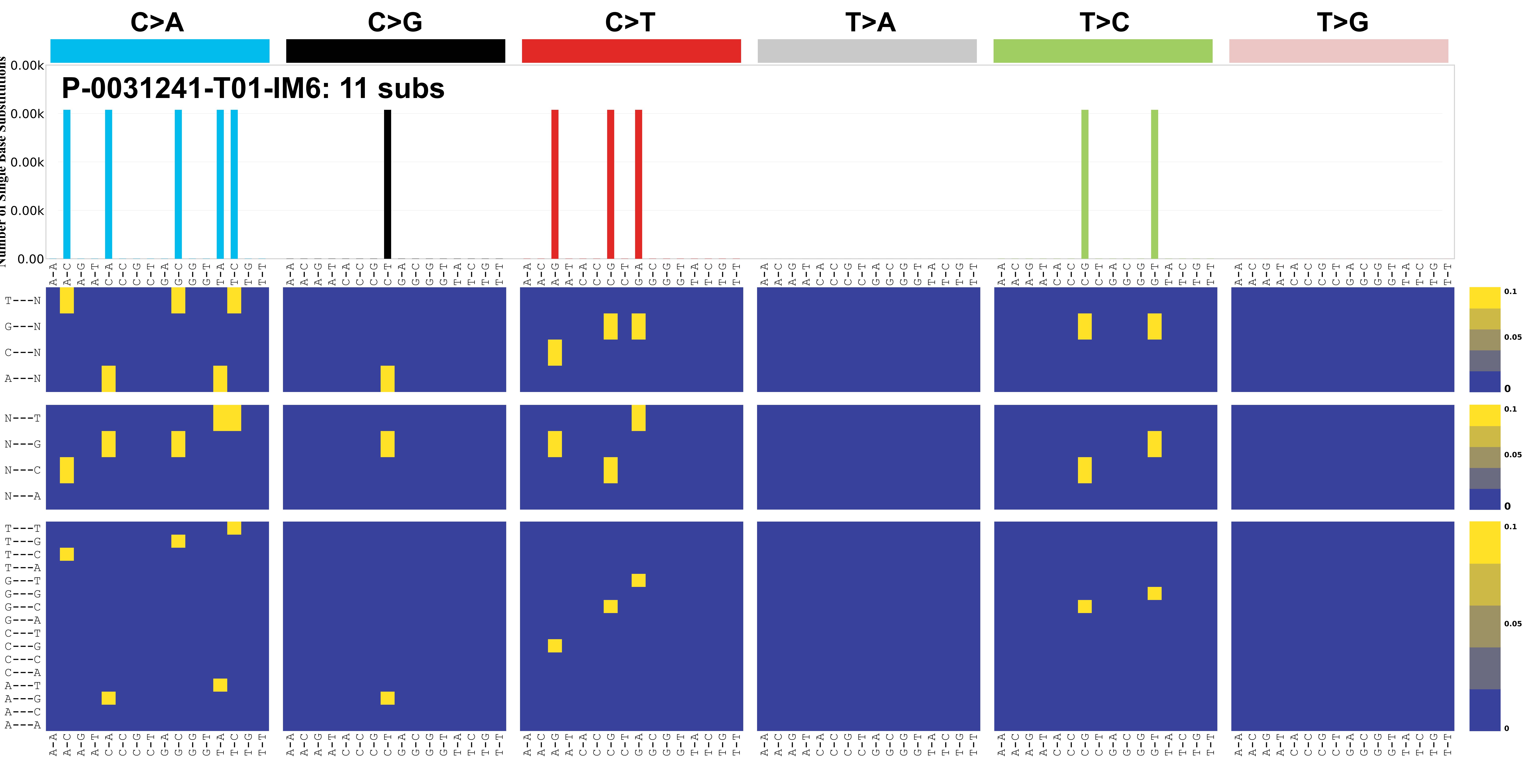


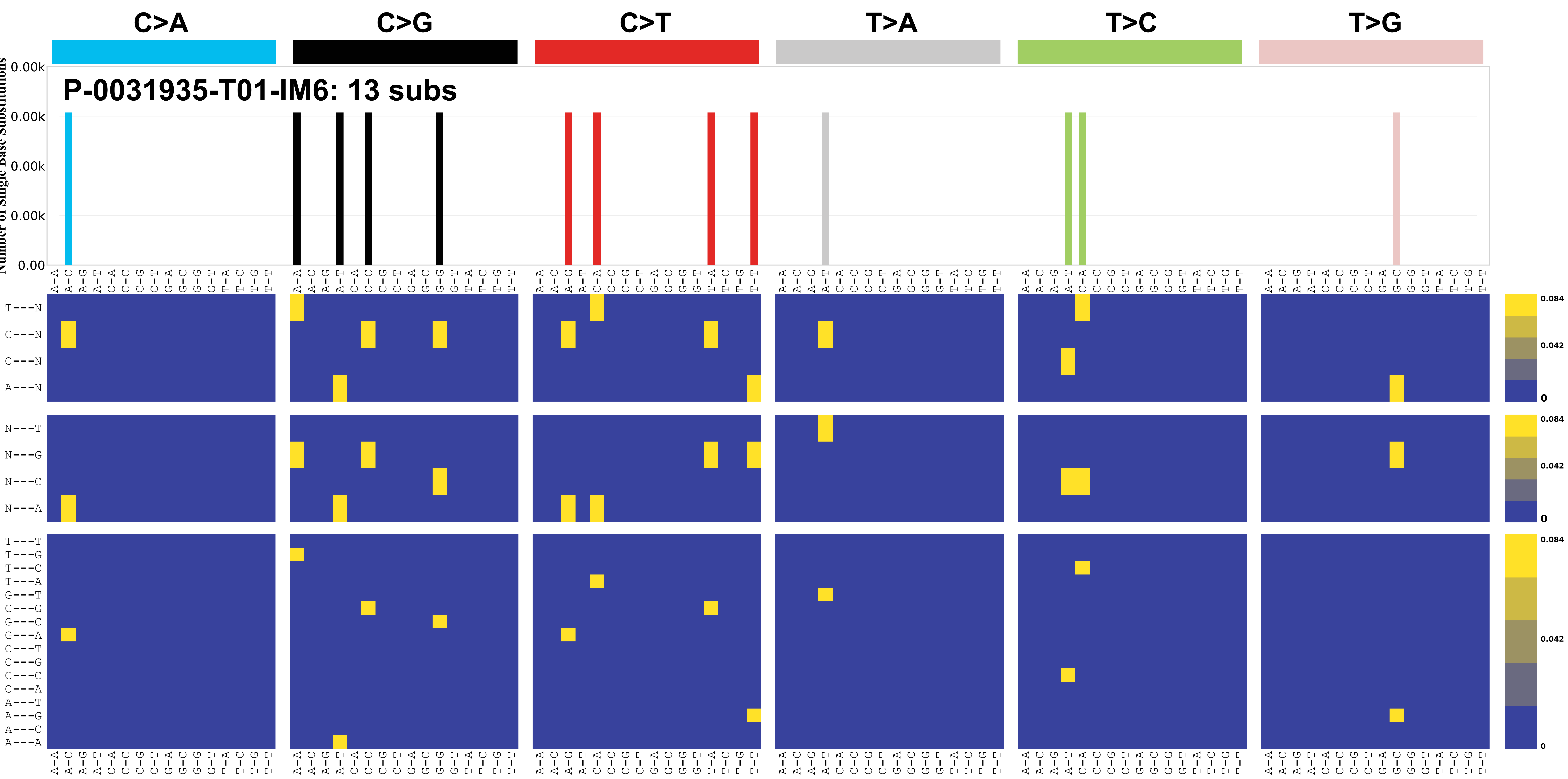


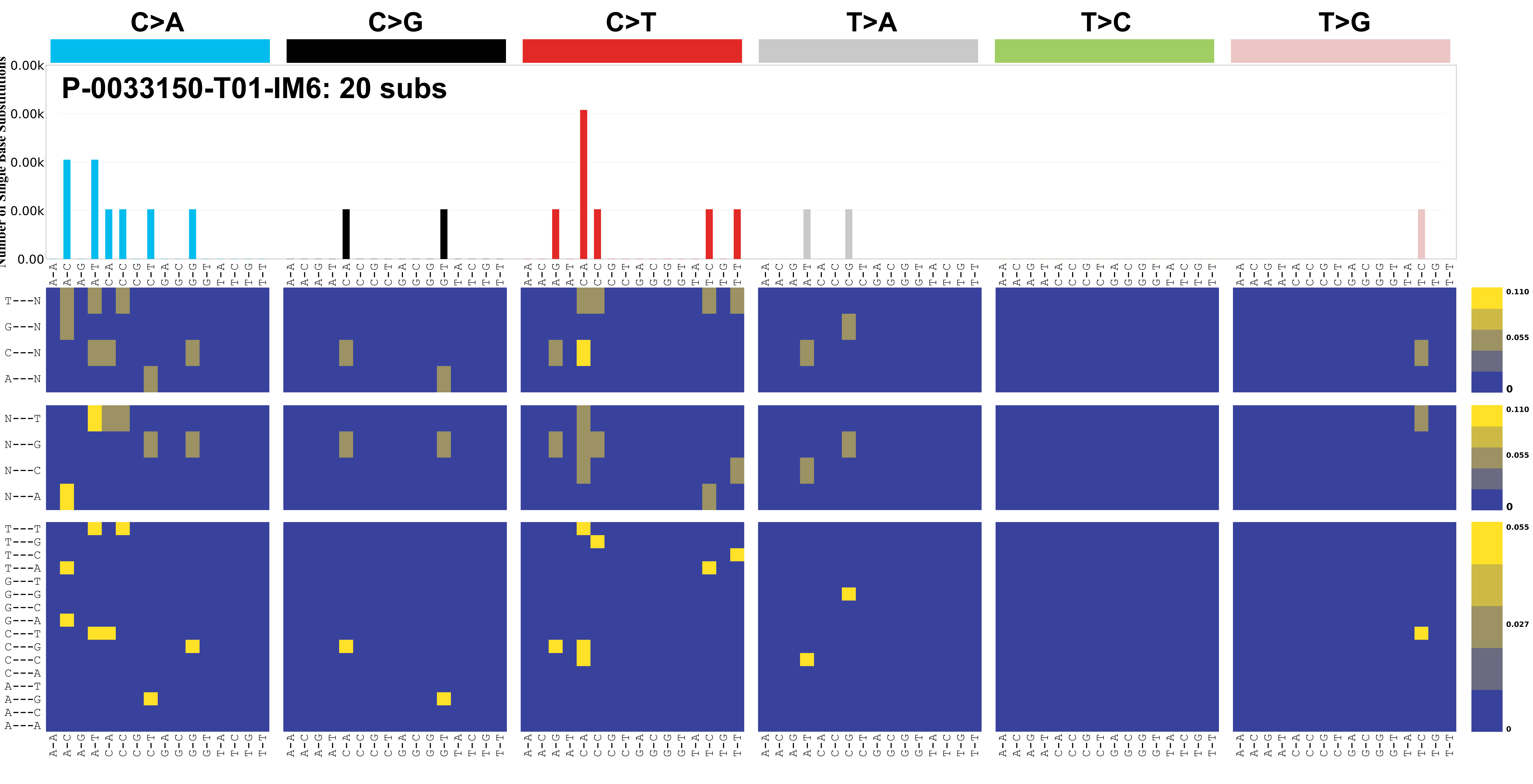


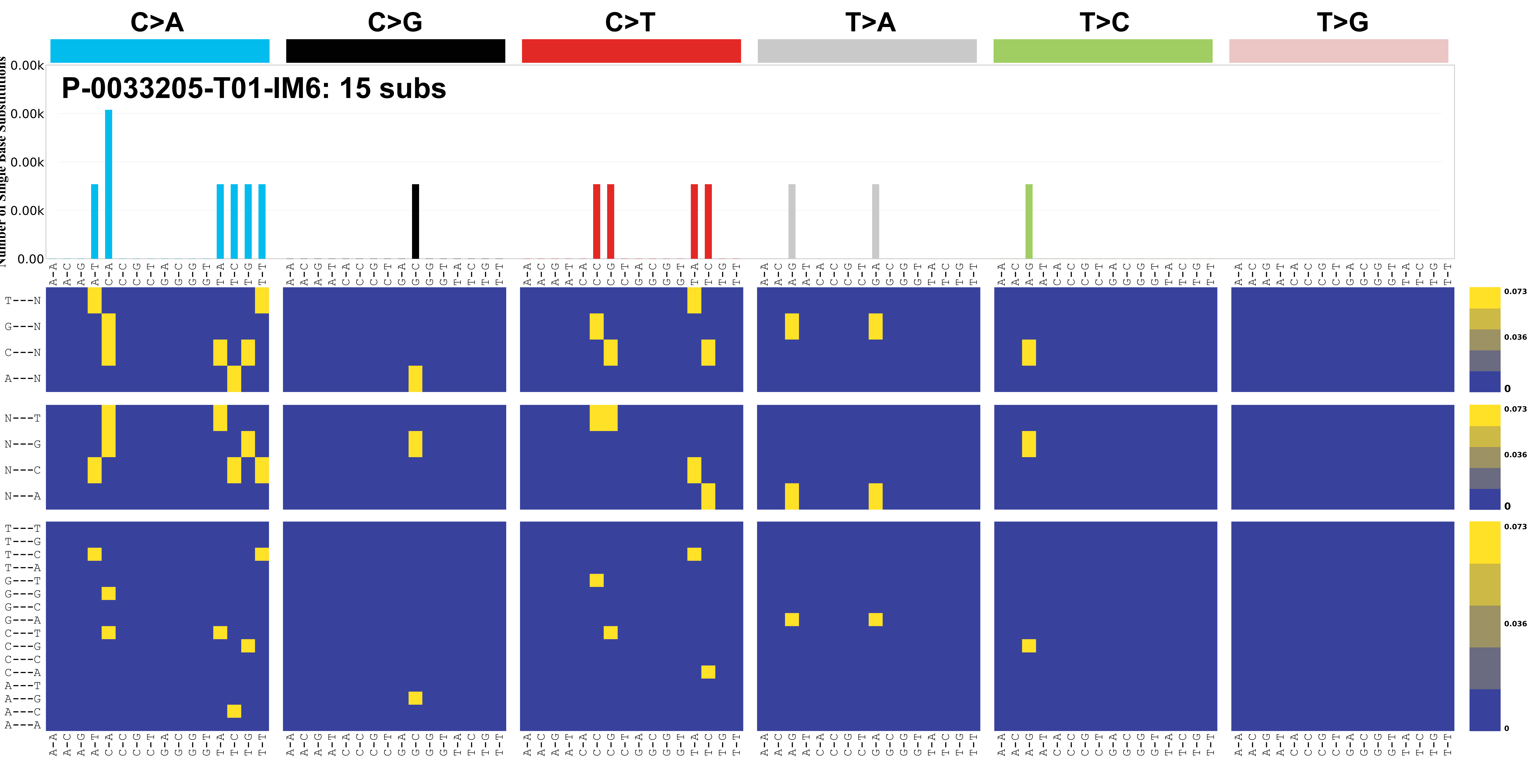


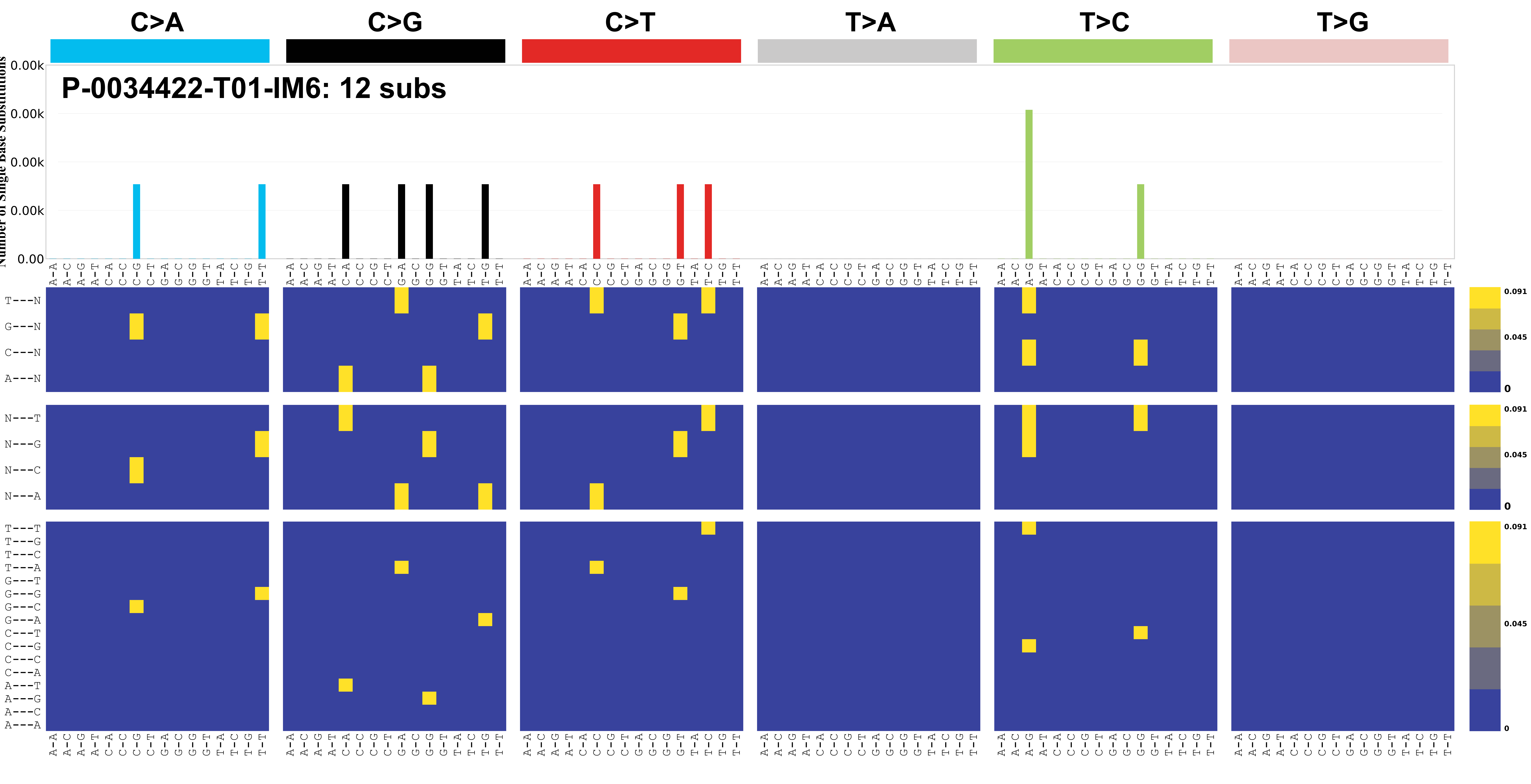


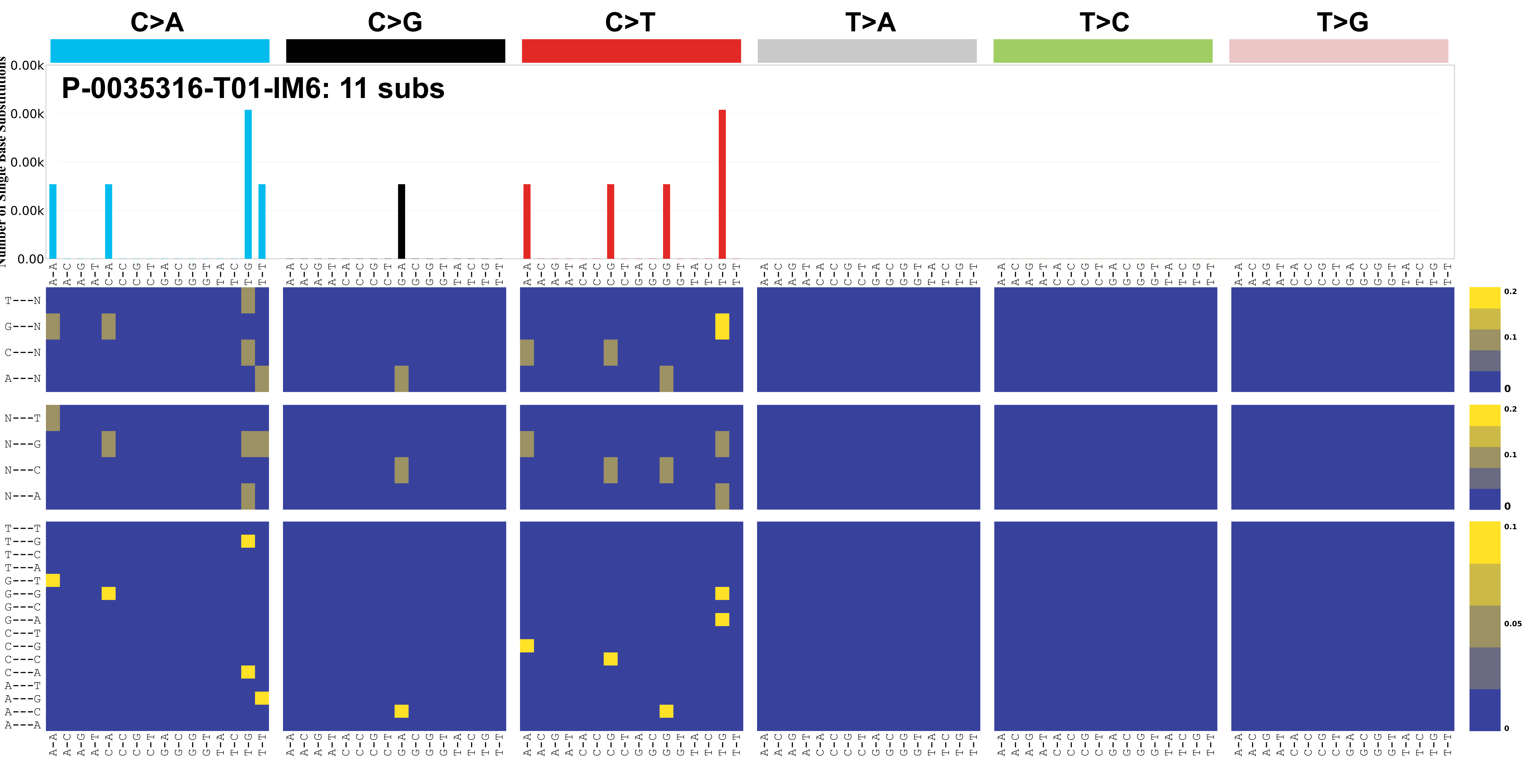


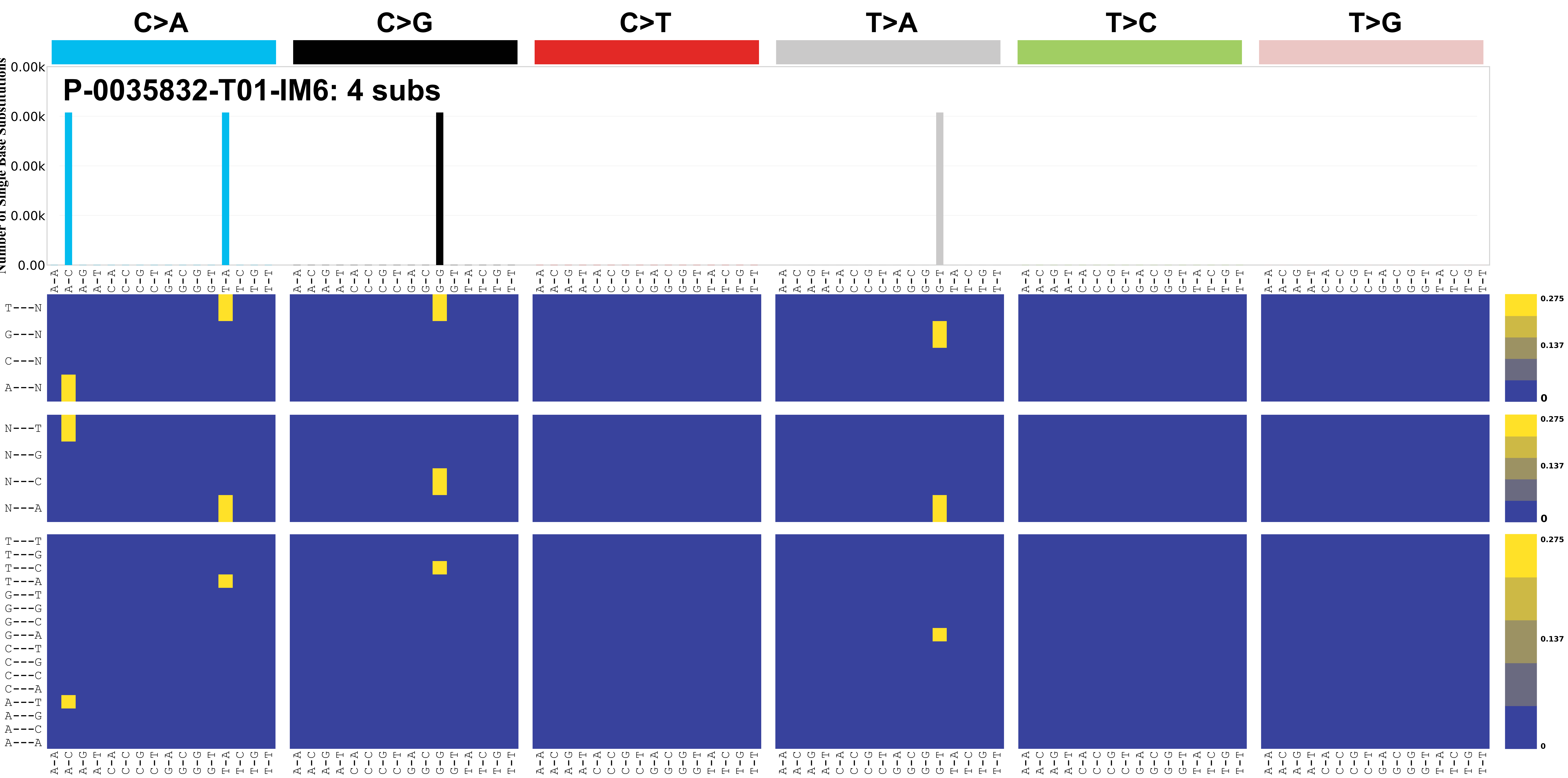


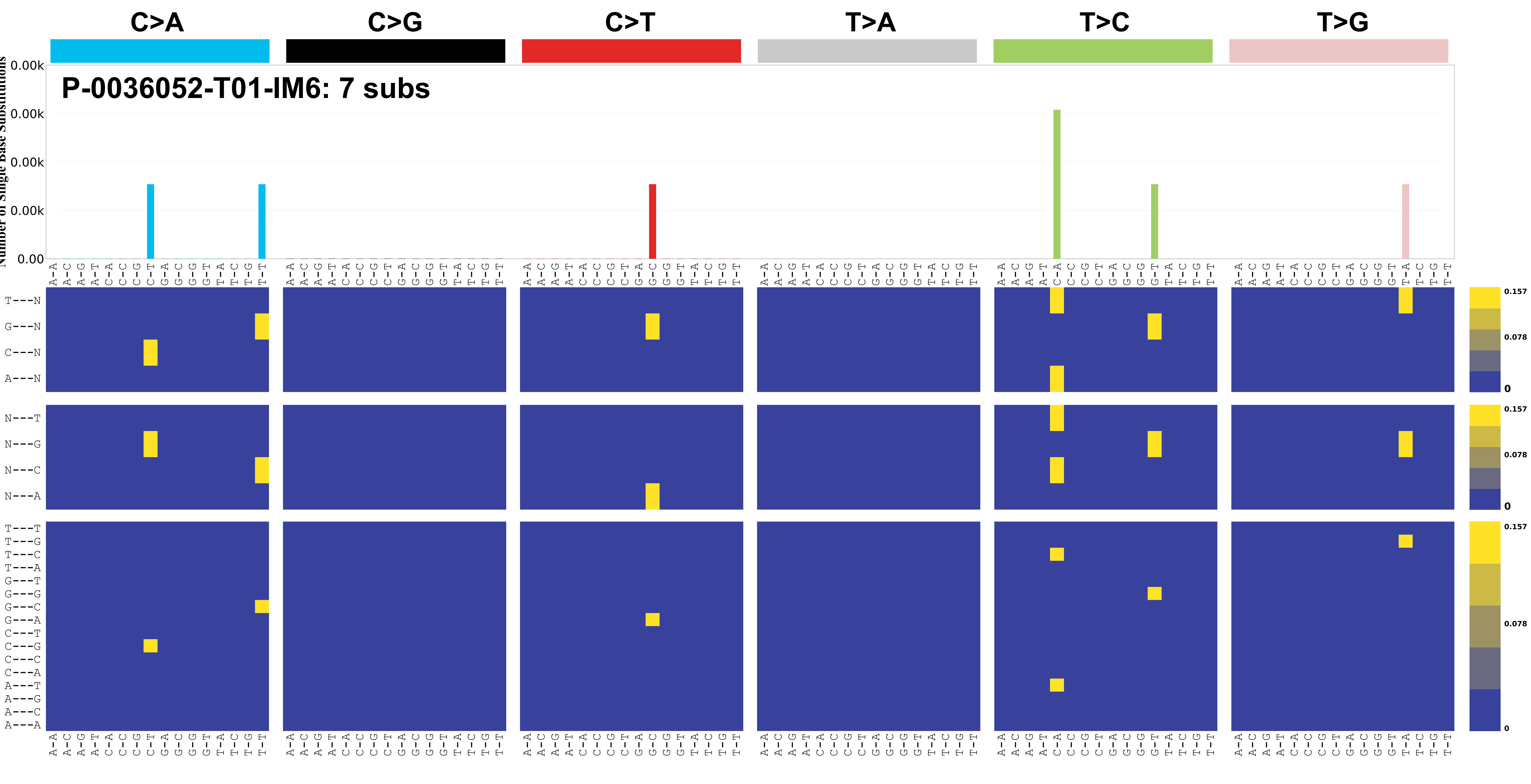


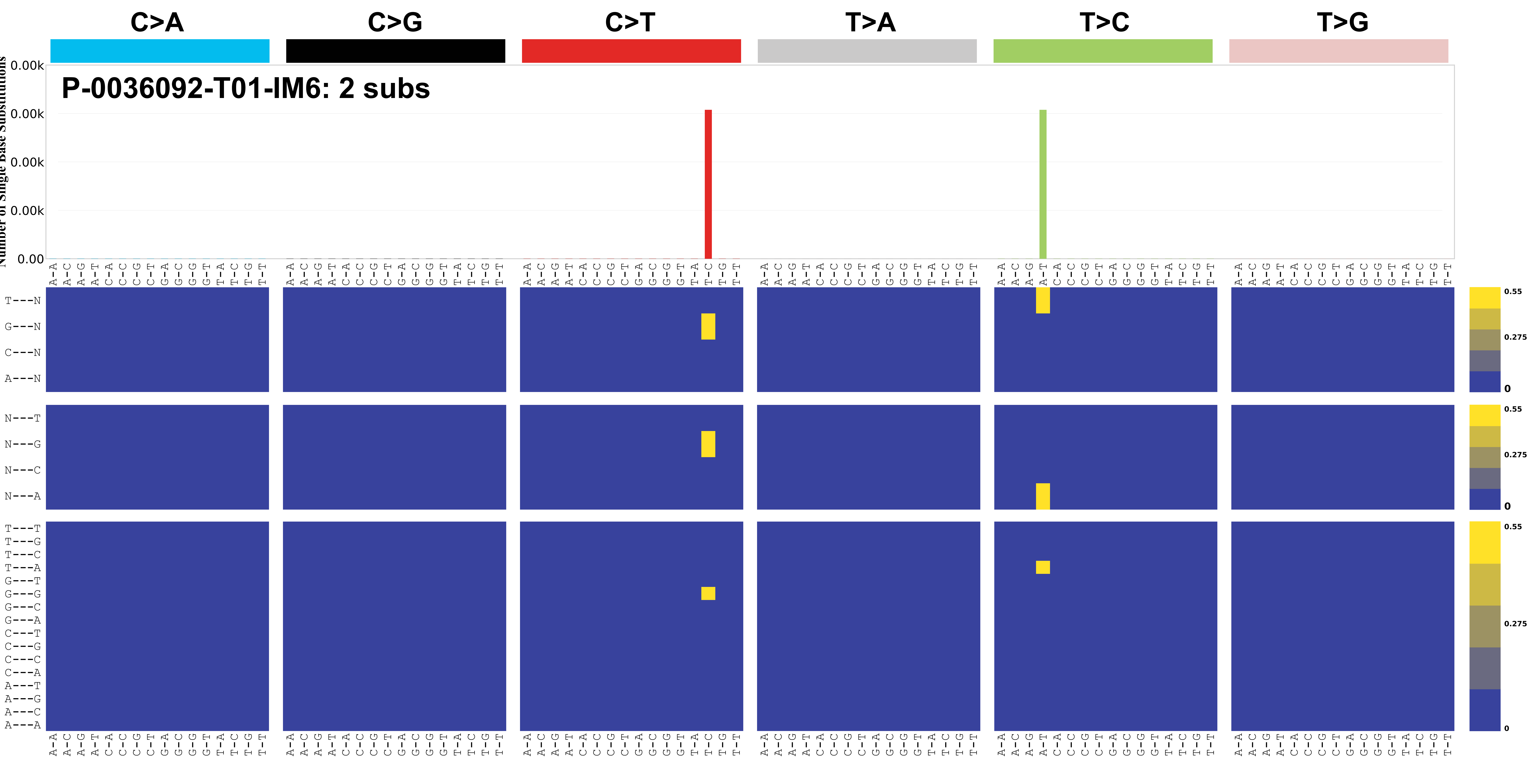


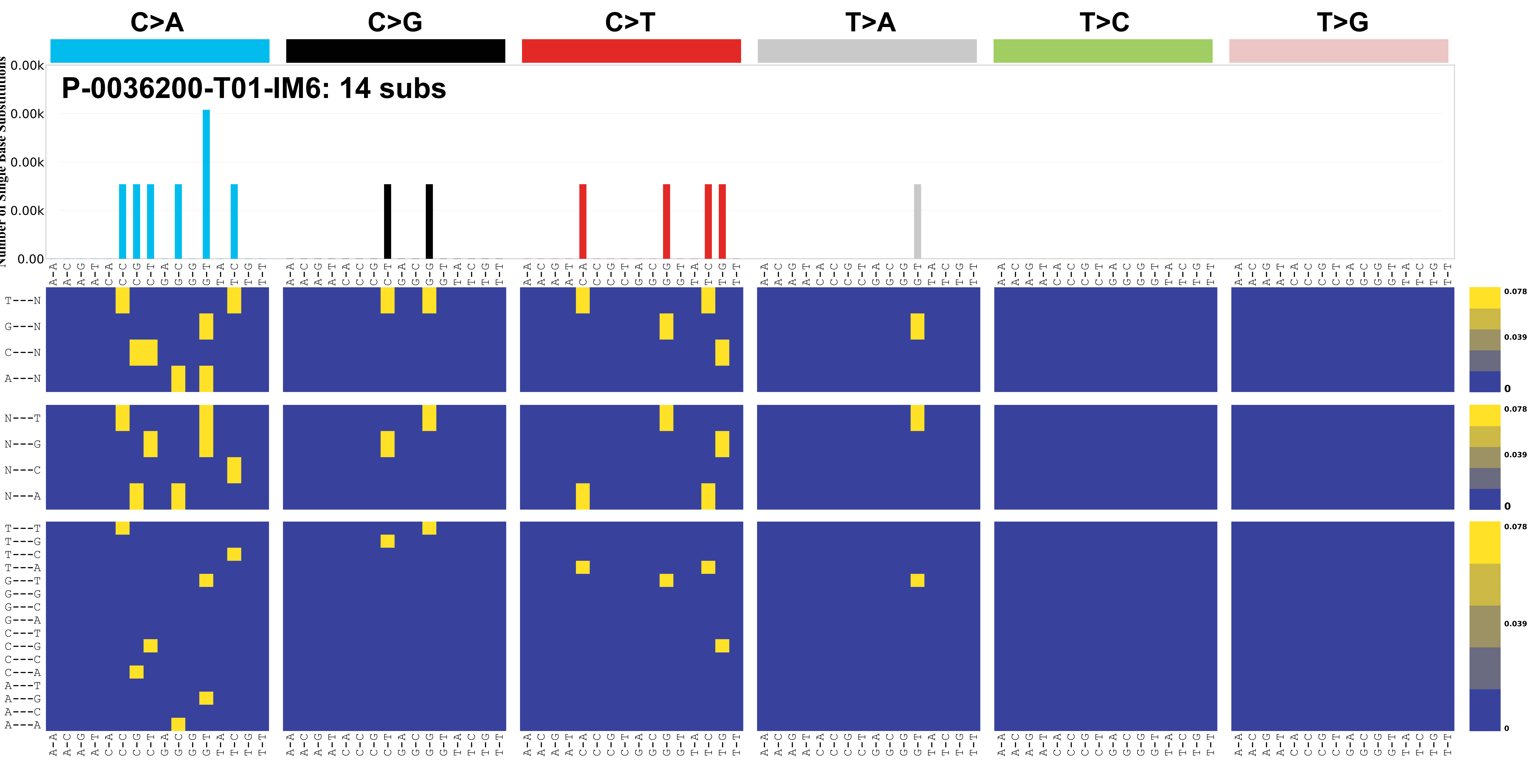


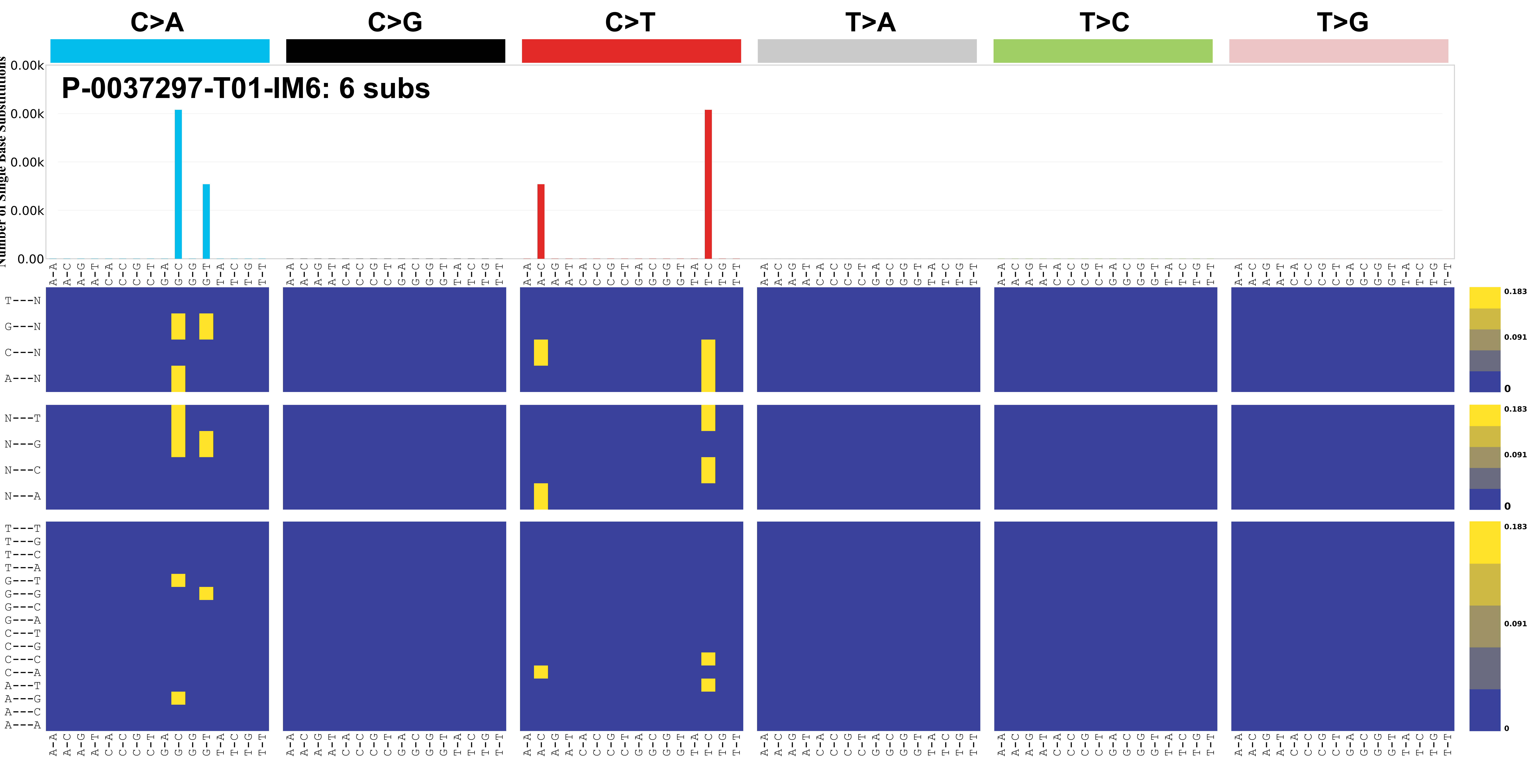


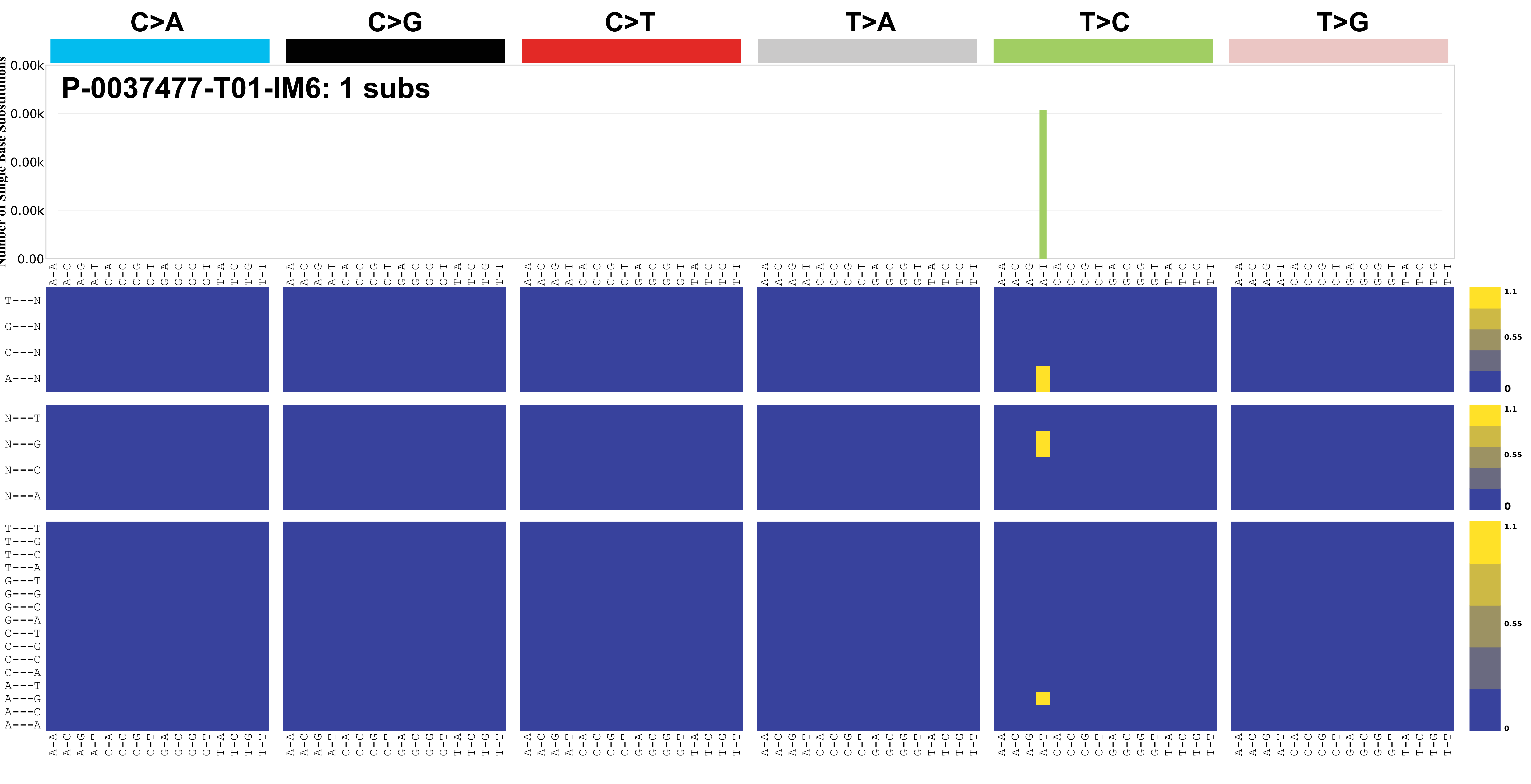


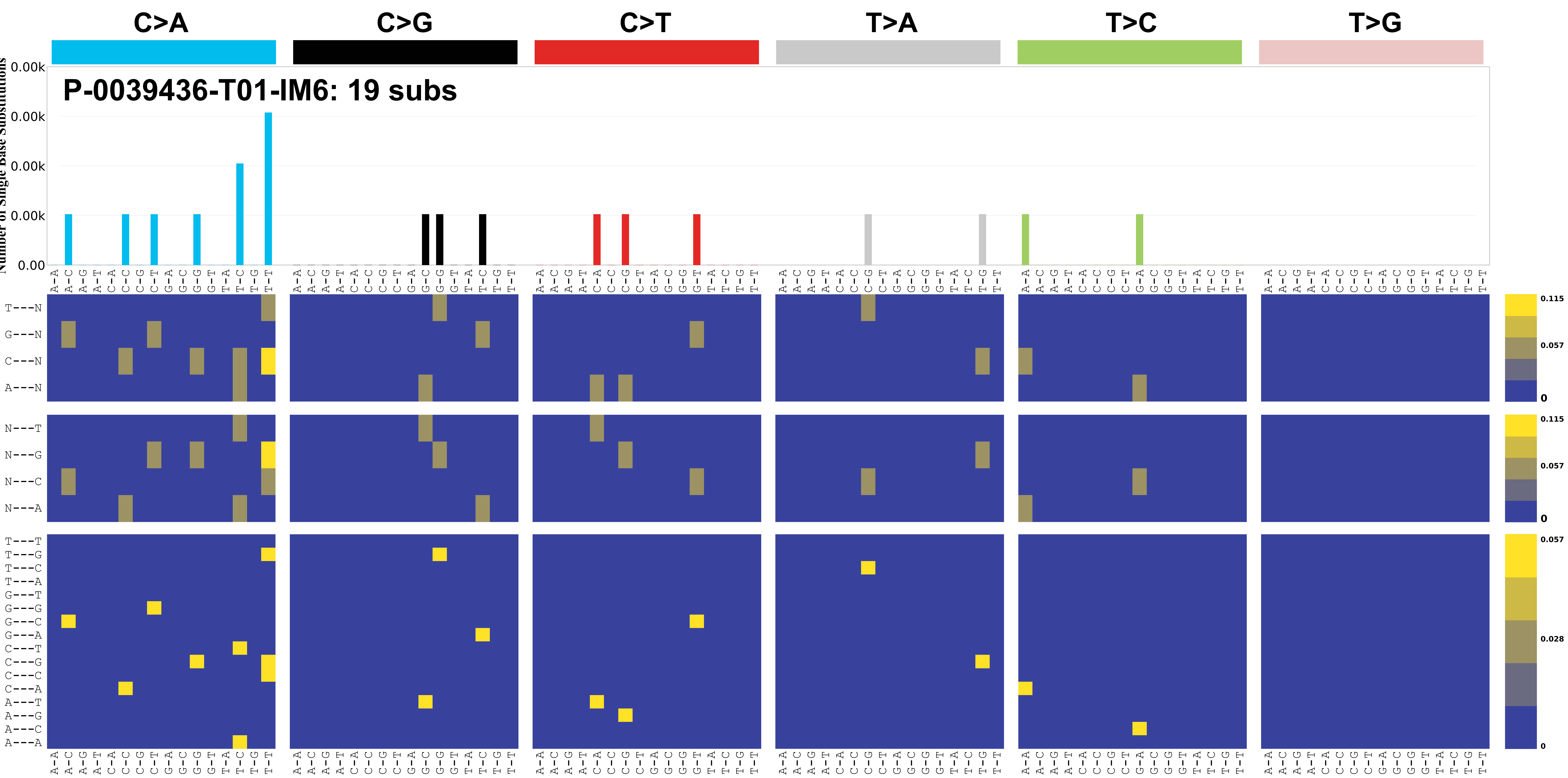


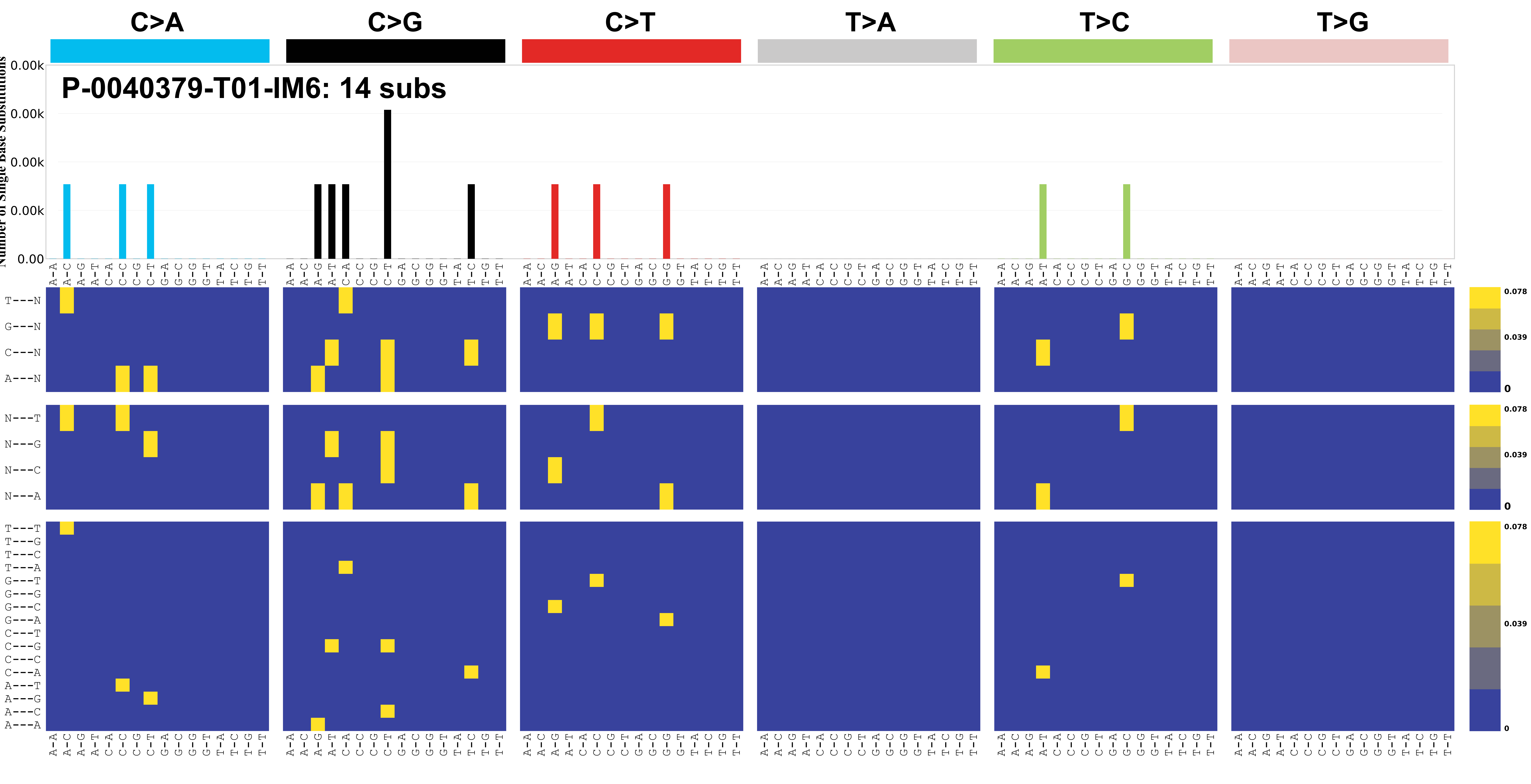


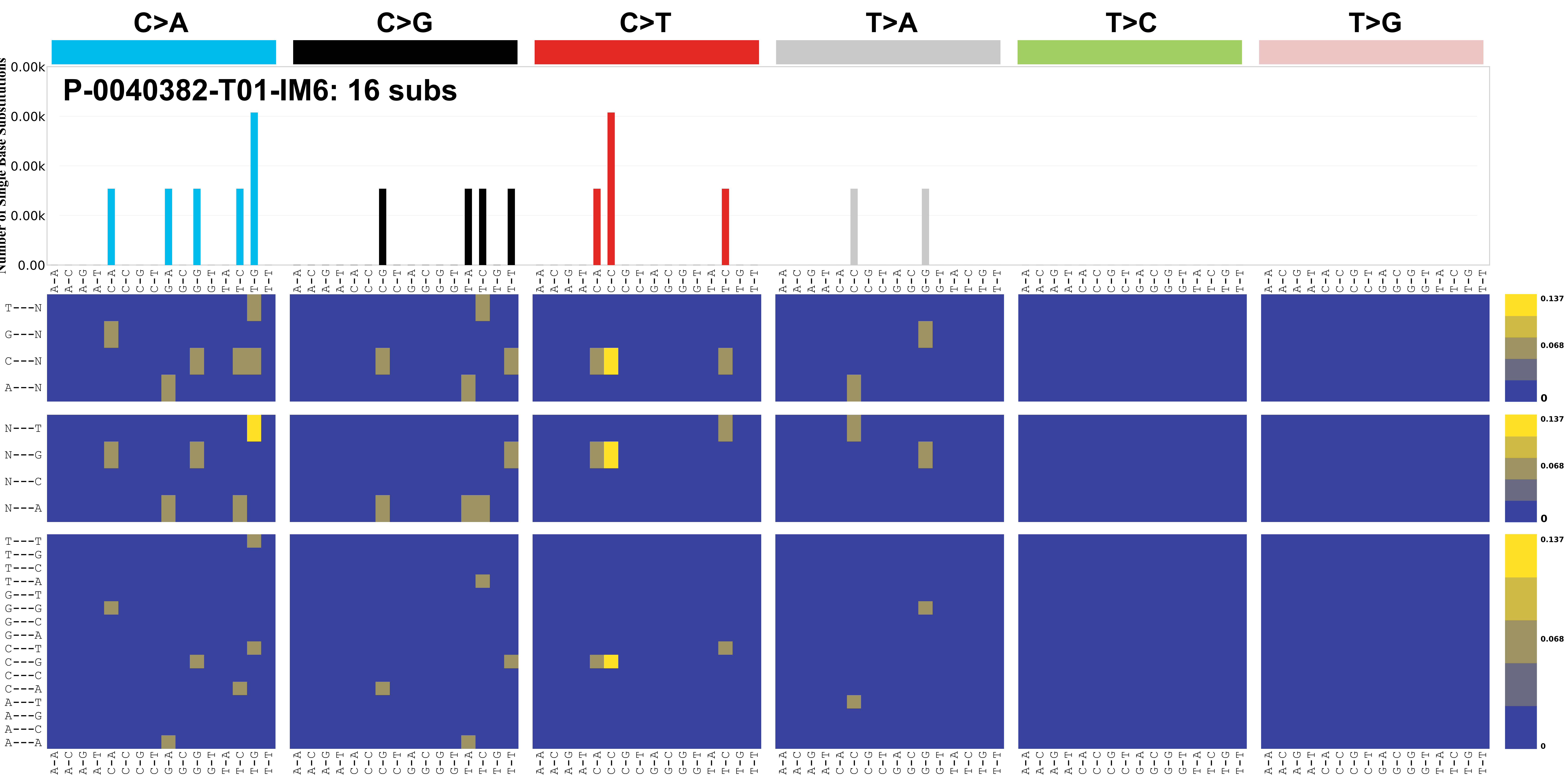


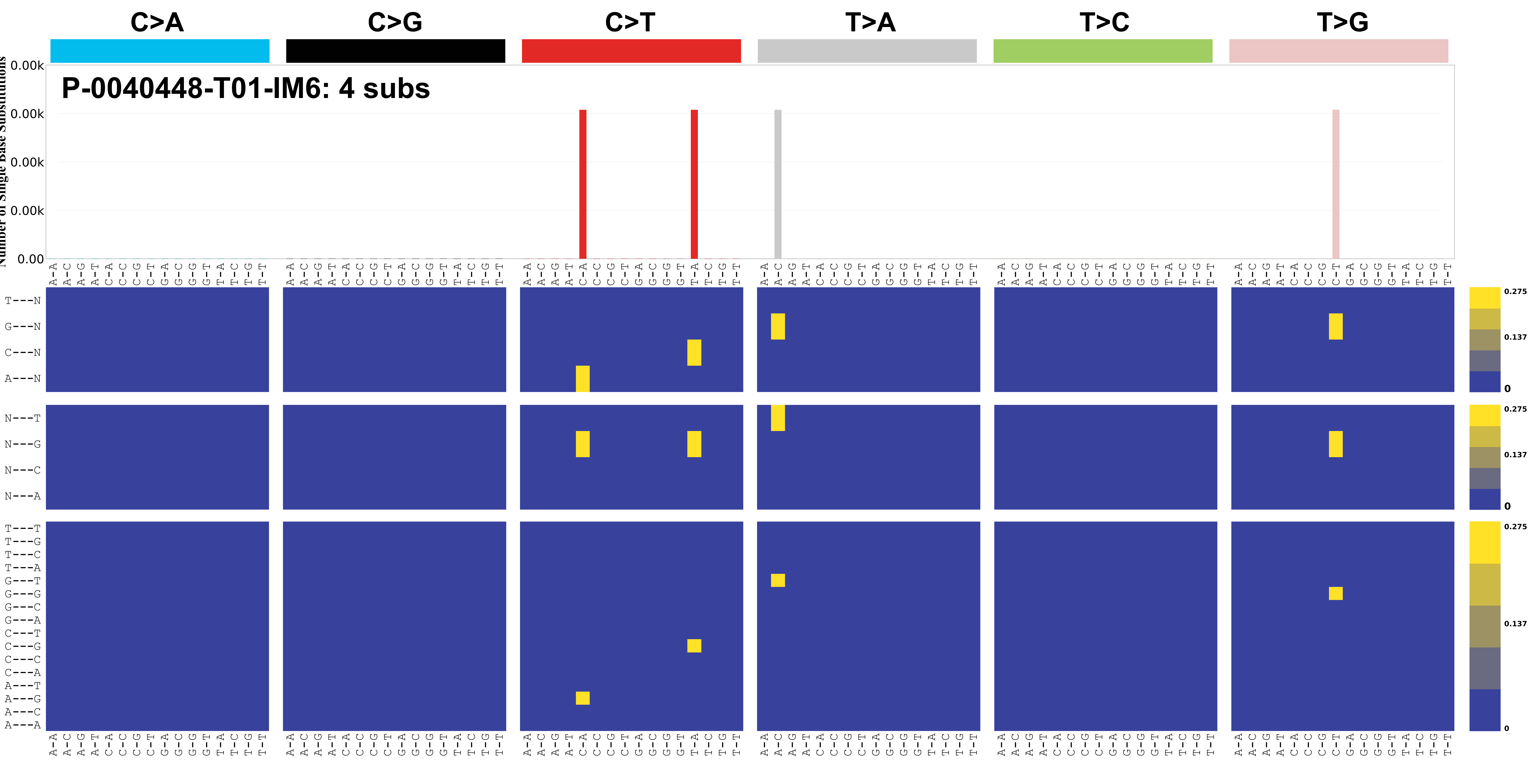


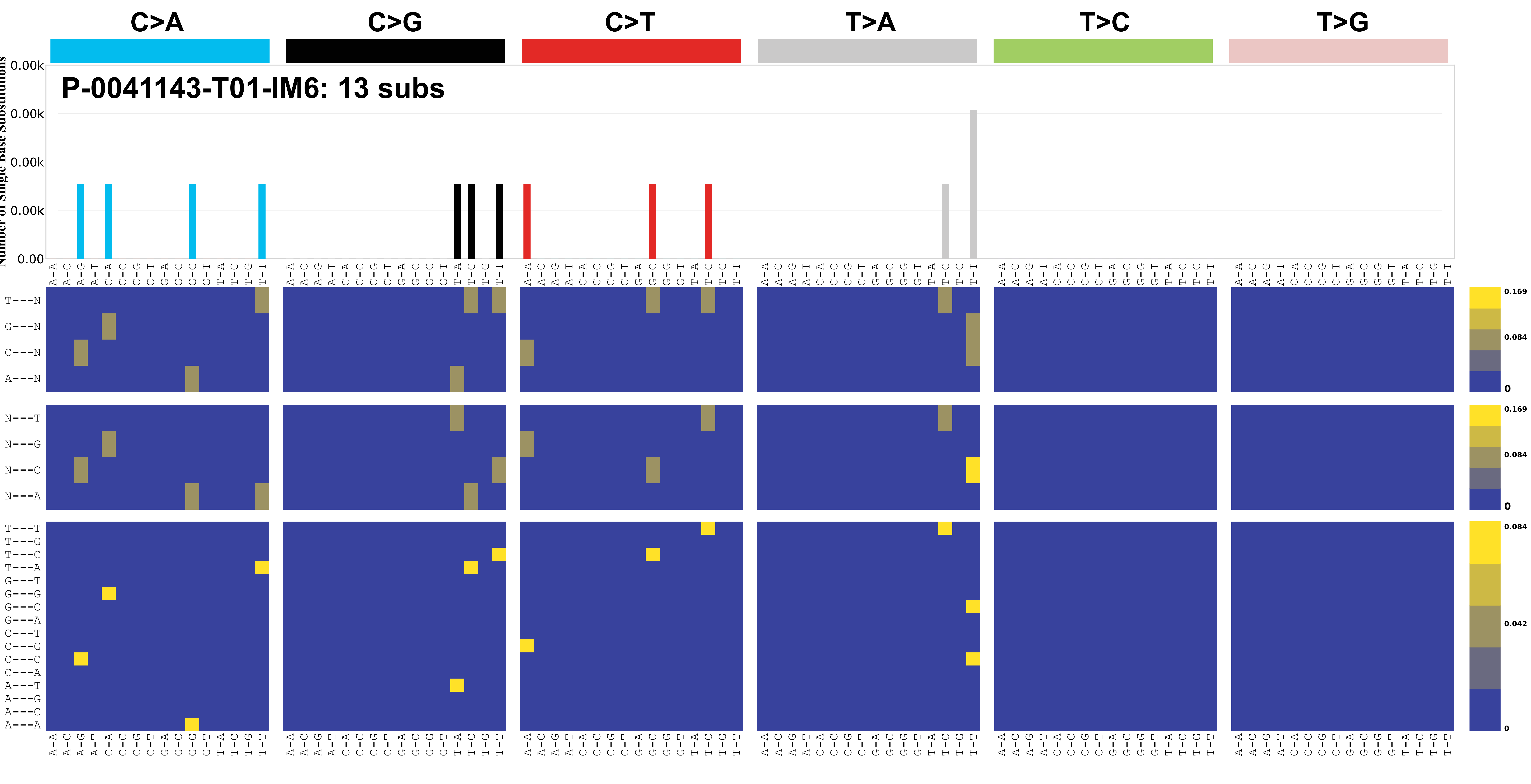


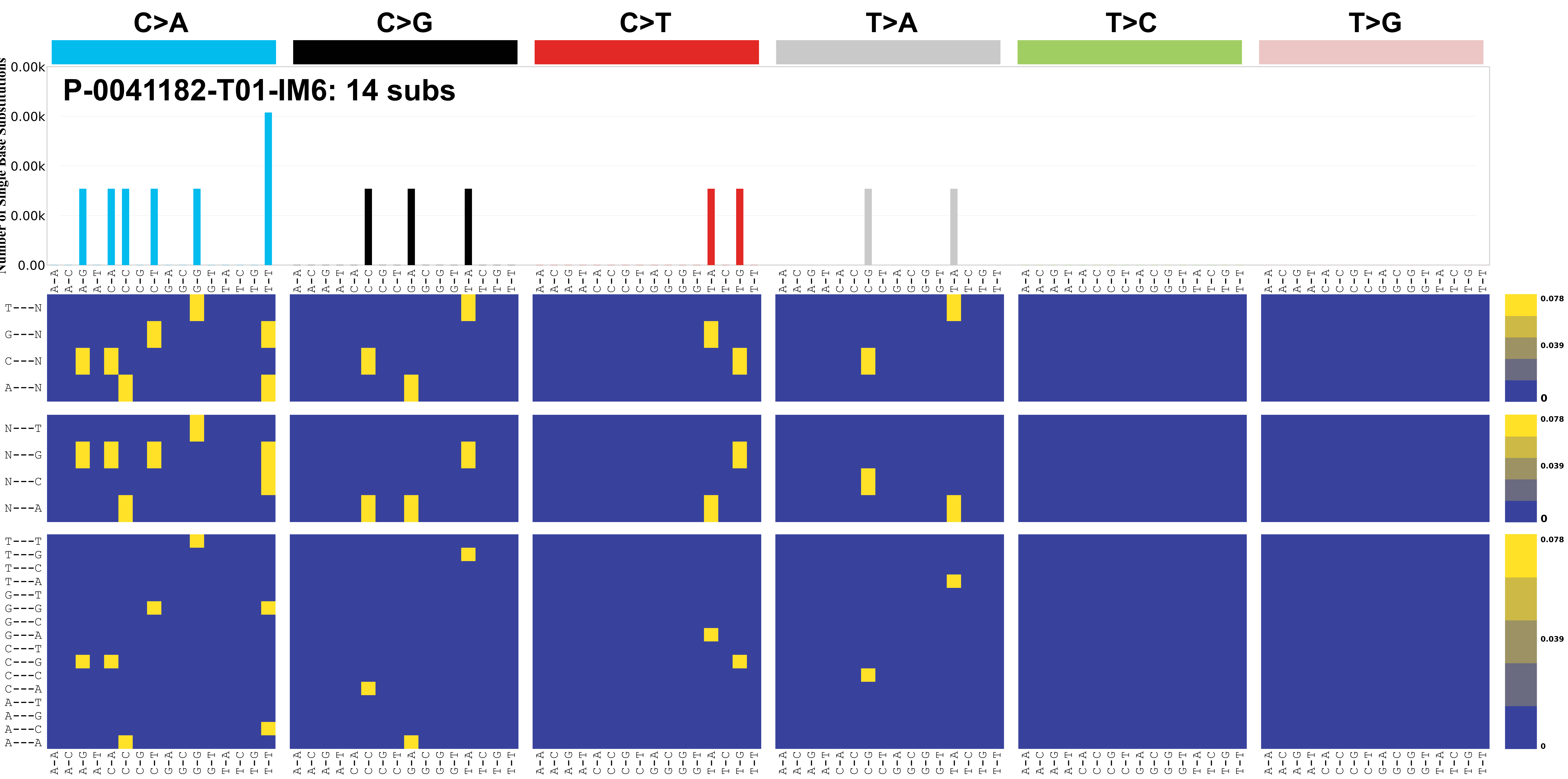


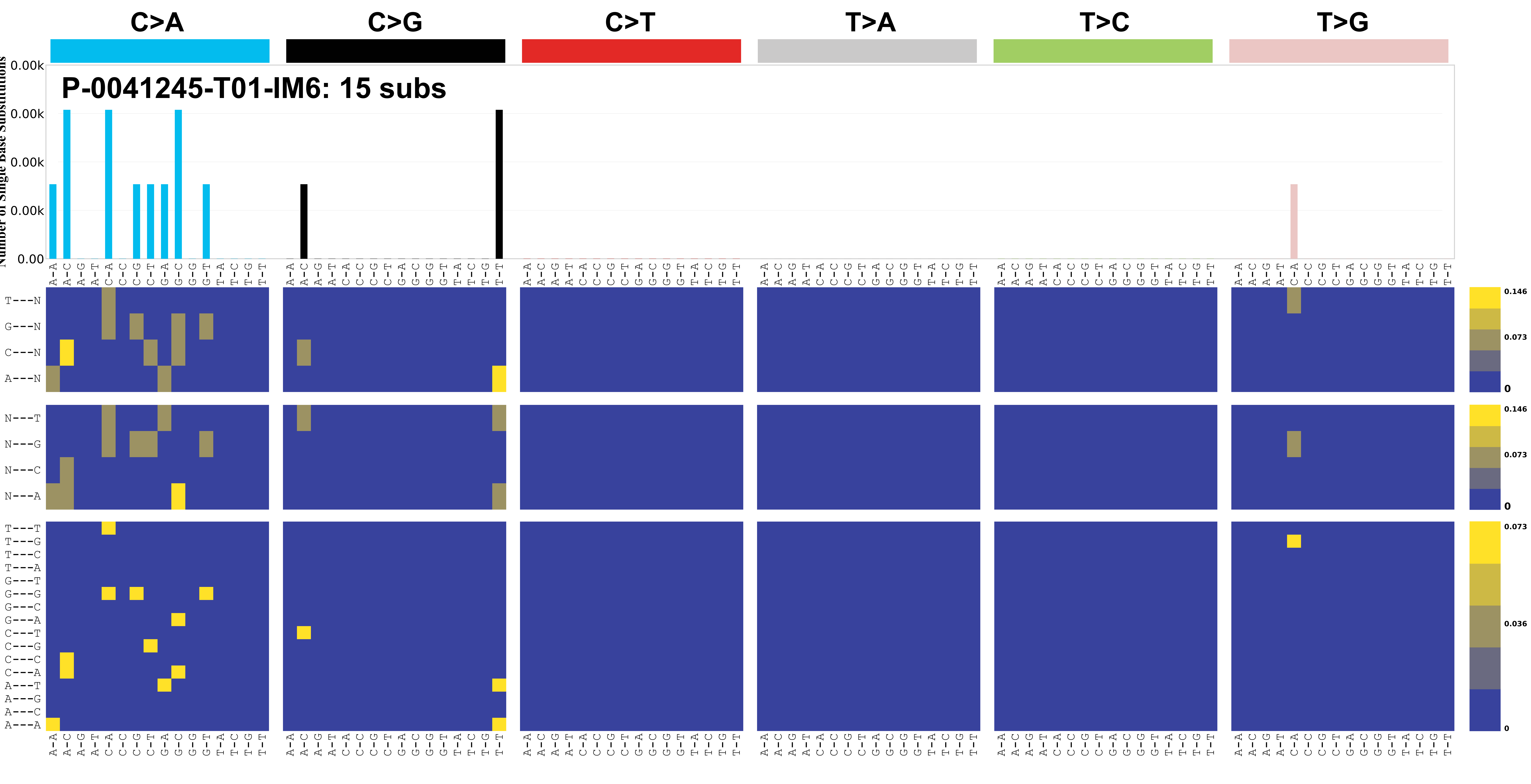


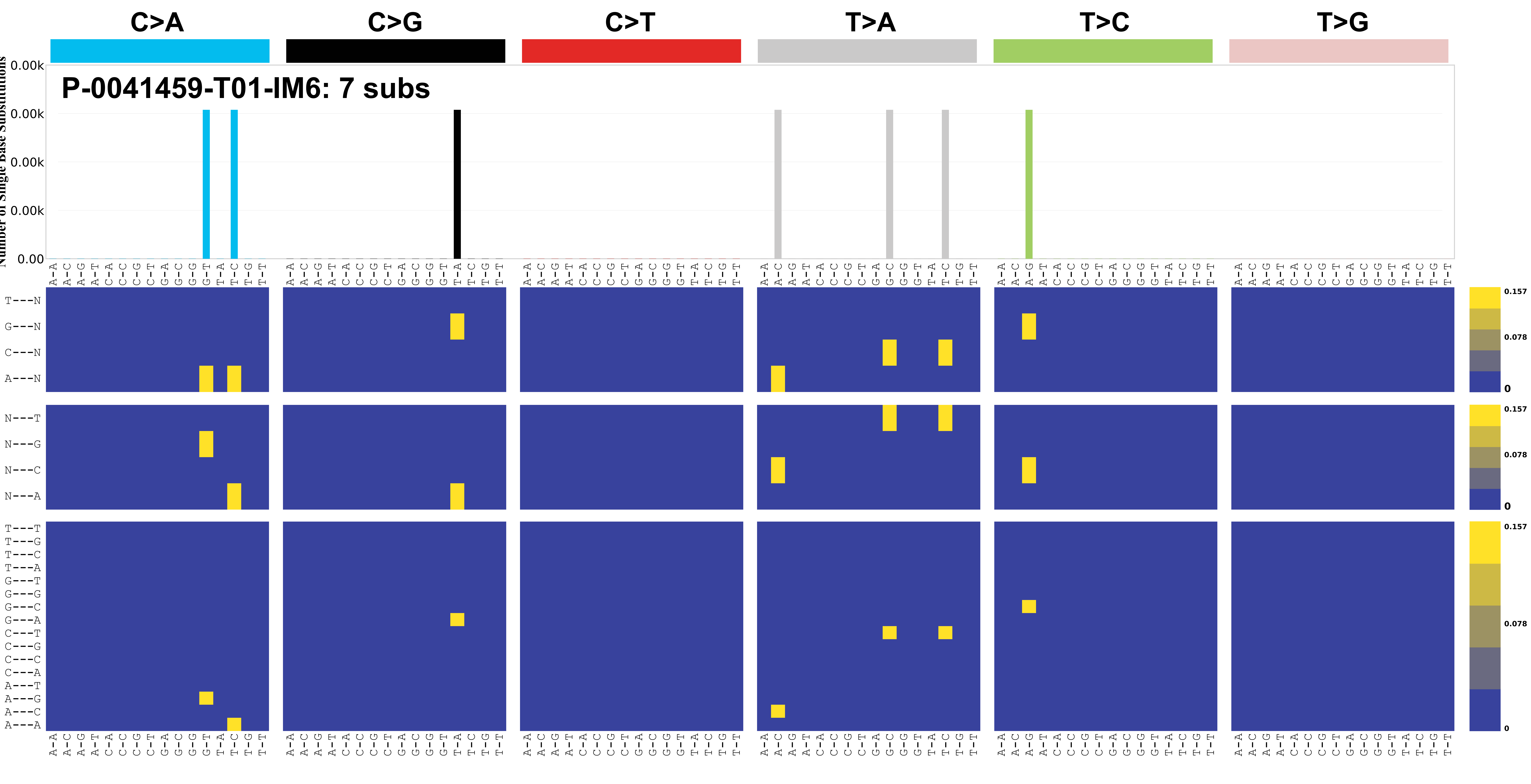


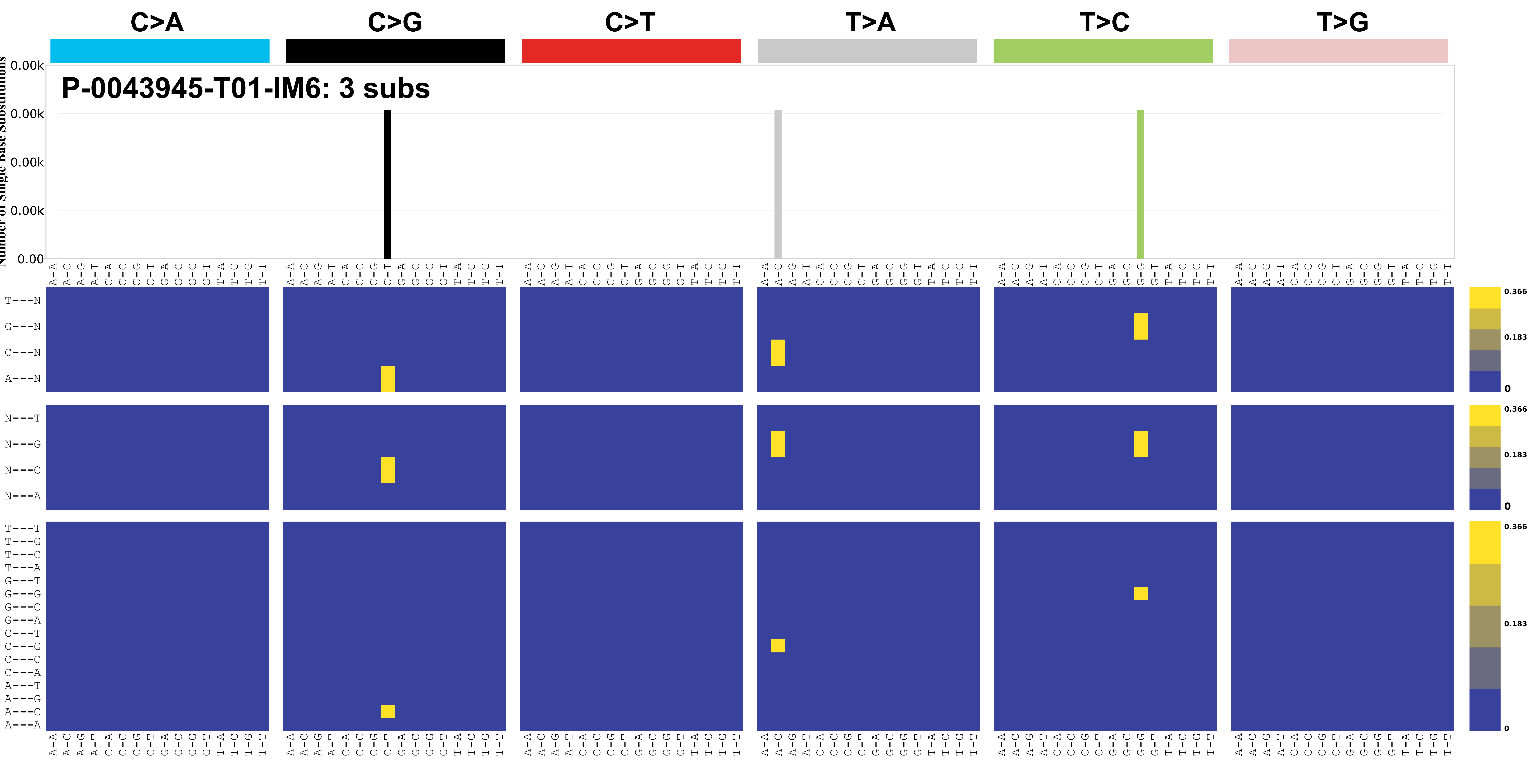


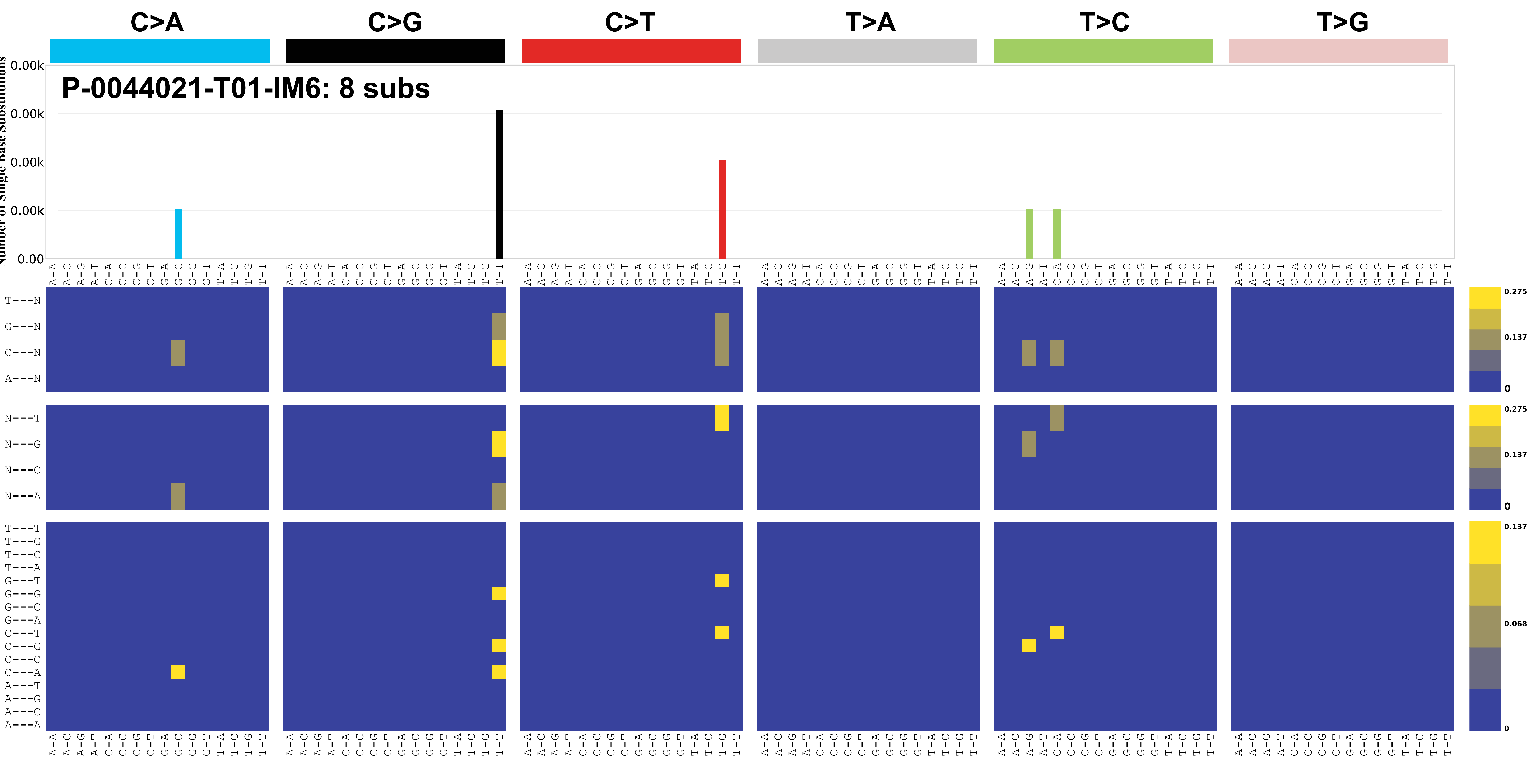


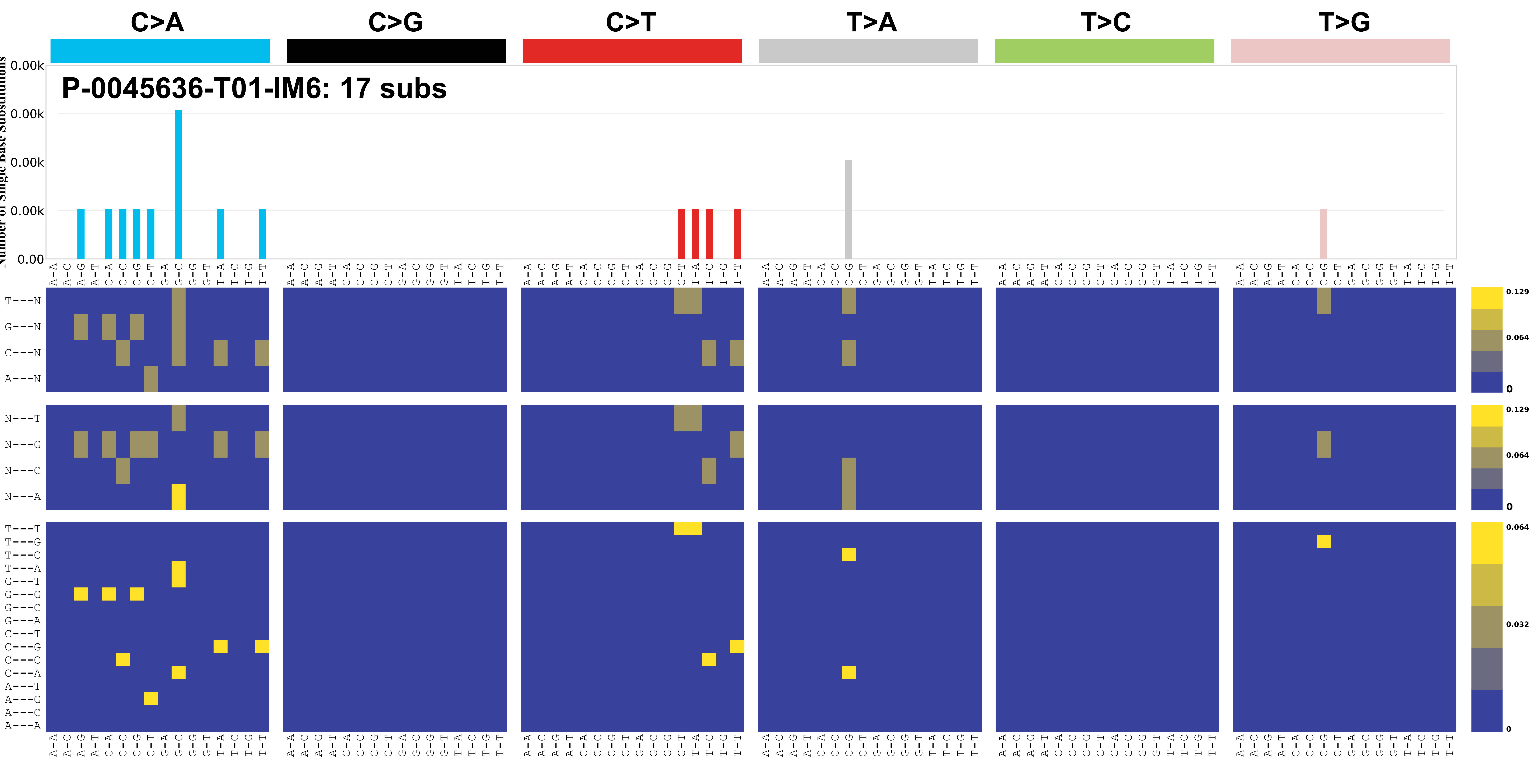


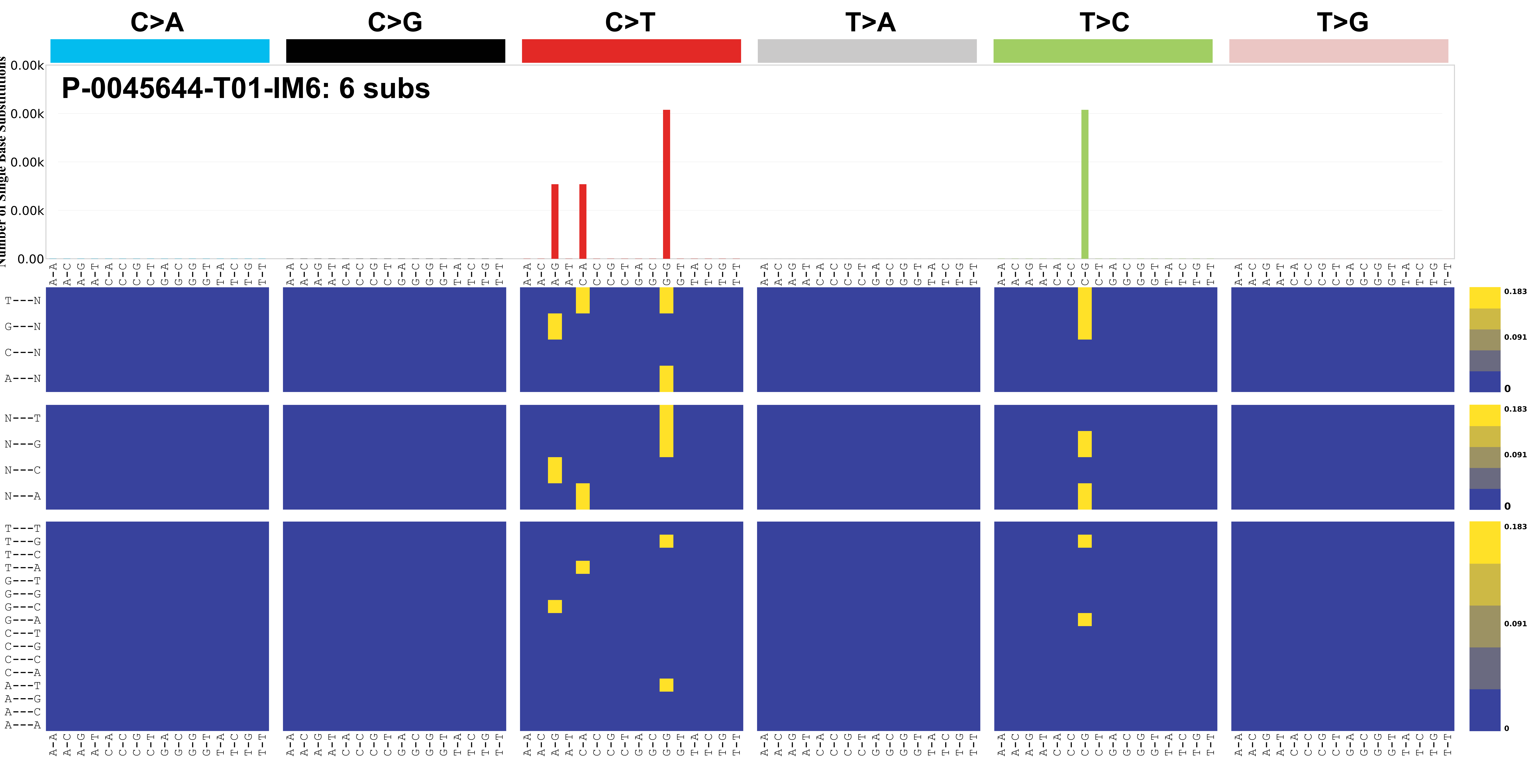


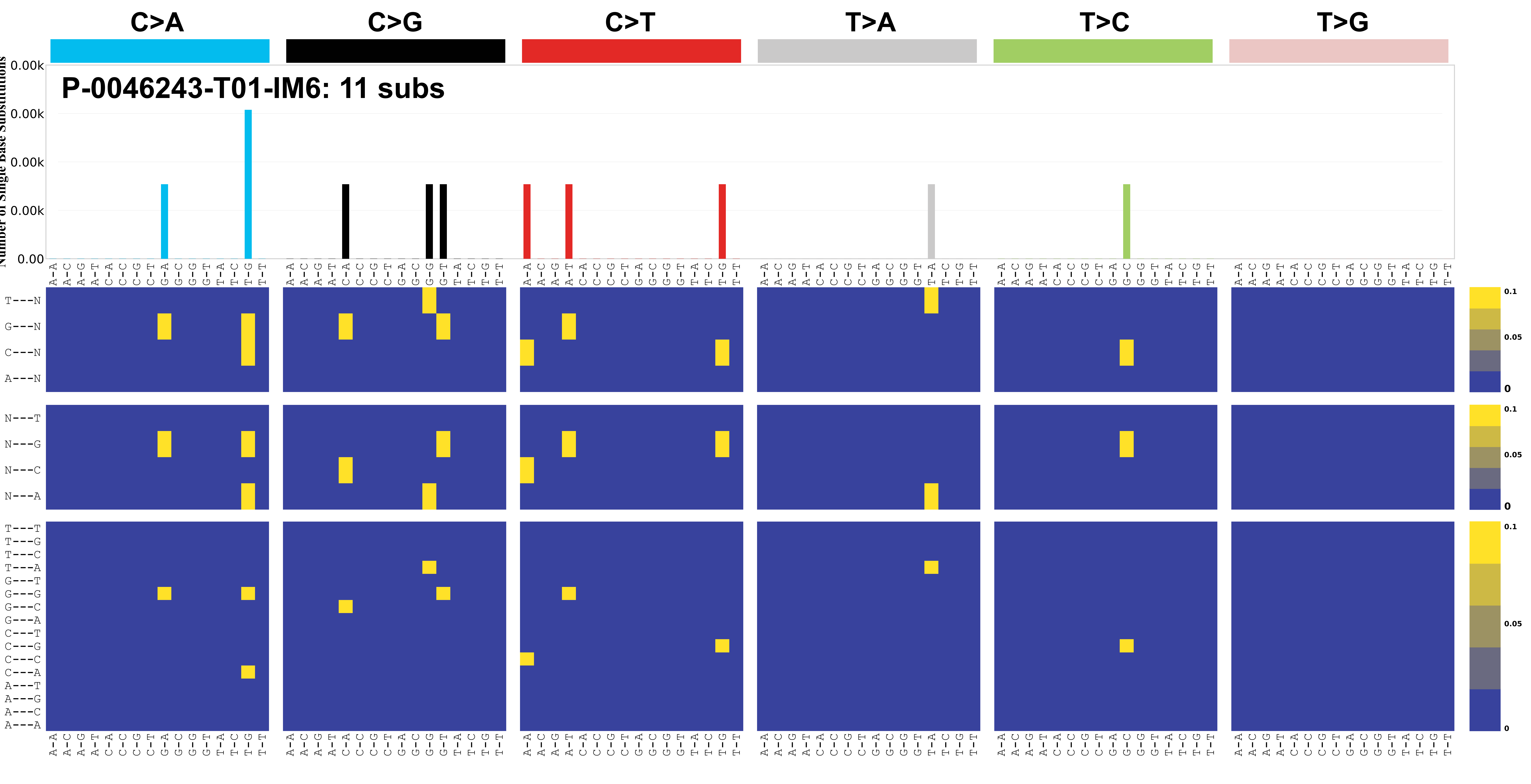


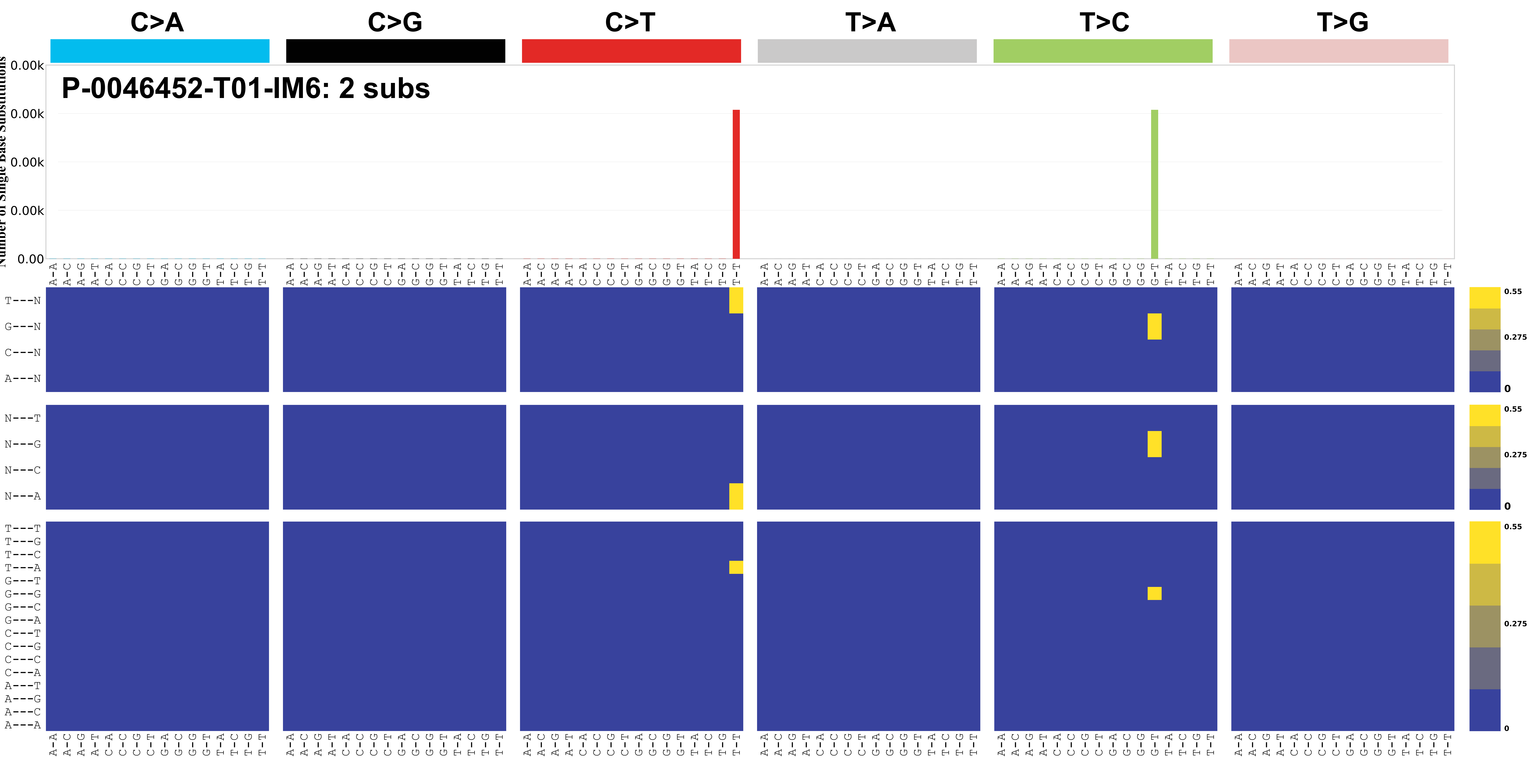












T>G

P-0048110-T01-IM6: 42 subs

Number of Single Base Substitutions

T-
G-
C-
A-

N-
N-
N-
N-

T-
T-
T-
T-
G-
G-
G-
G-
C-
C-
C-
C-
A-
A-
A-
A-

