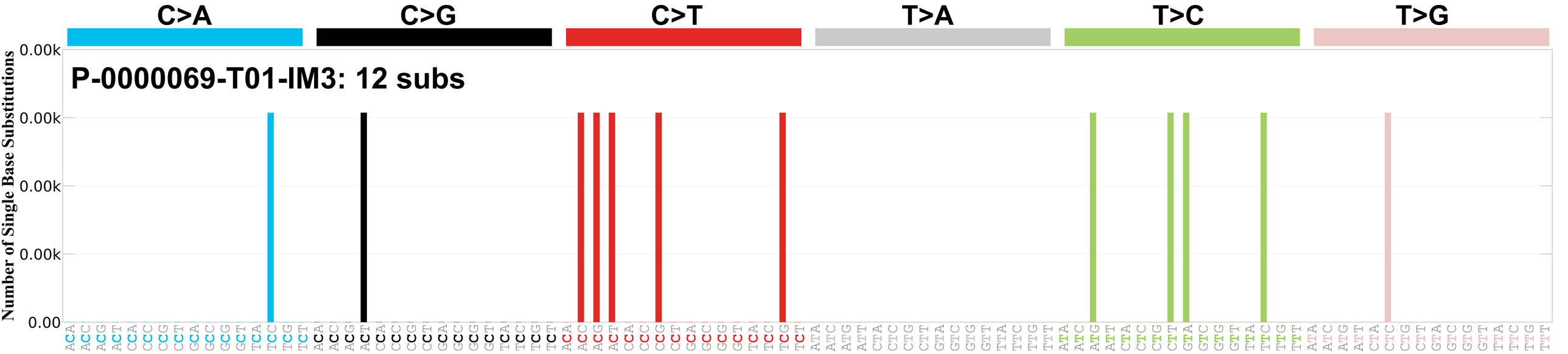
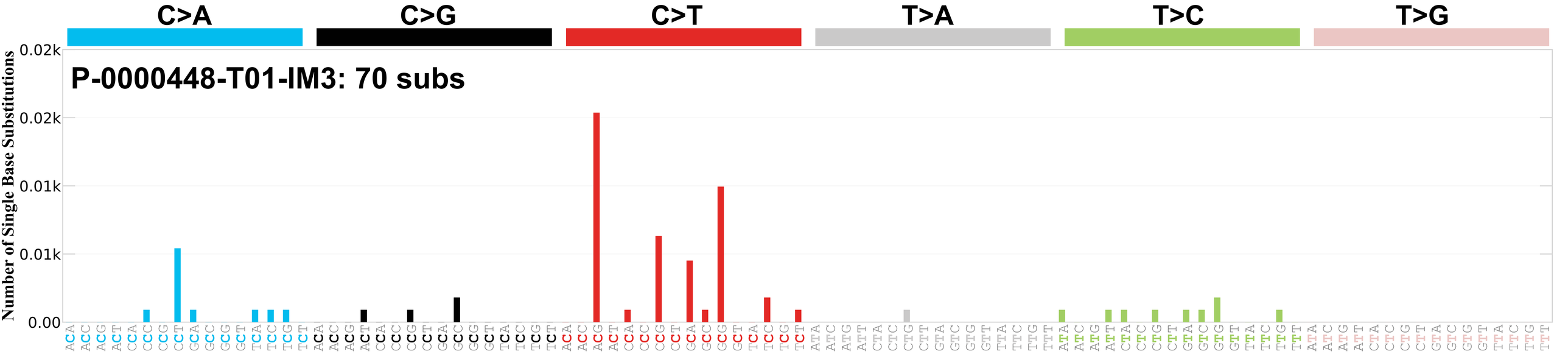
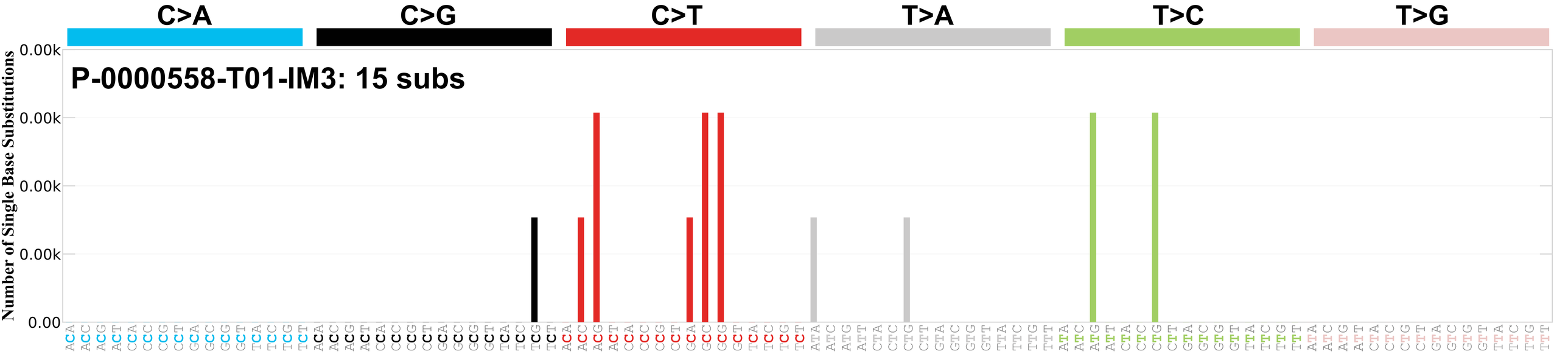
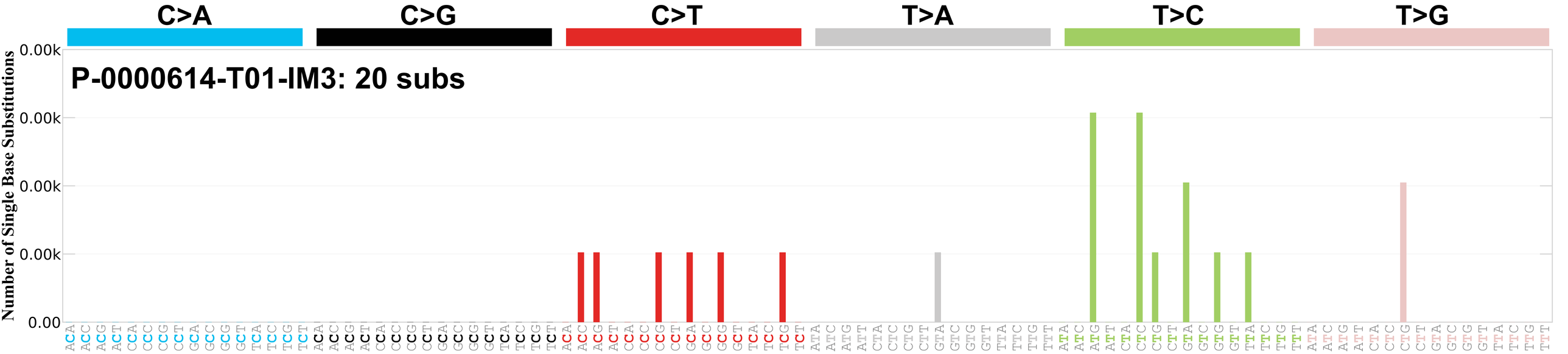
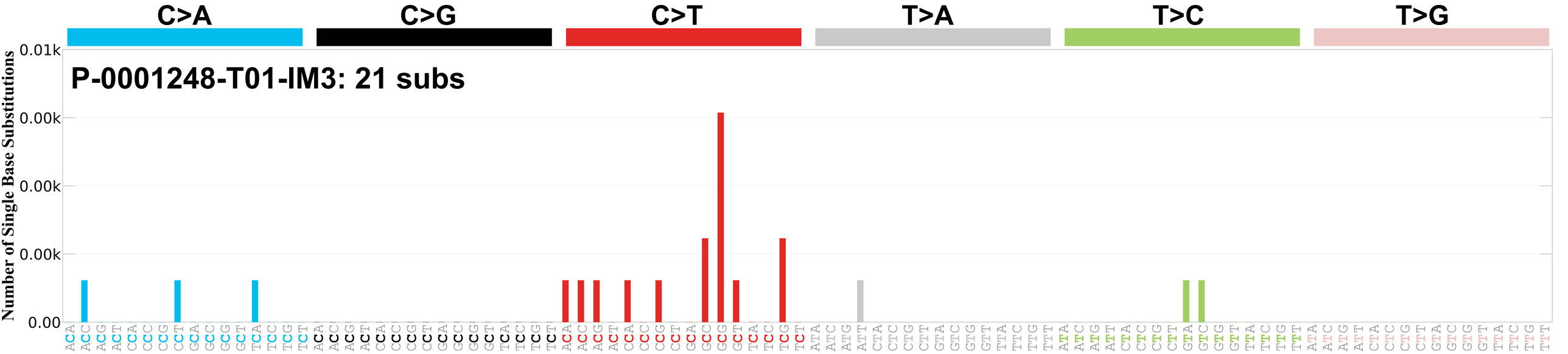
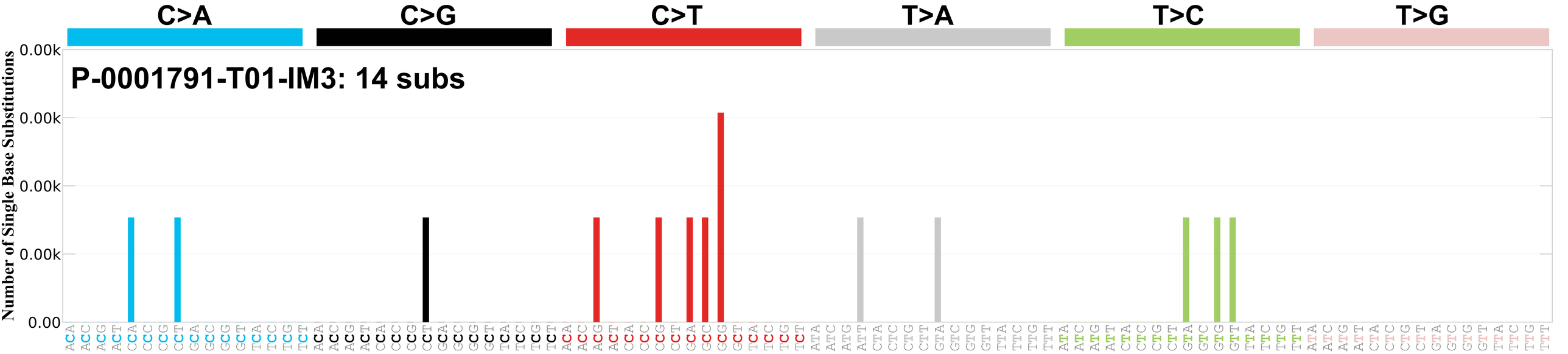

C>A
C>G
C>T
T>A
T>C
T>G
P-0000069-T01-IM3: 12 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

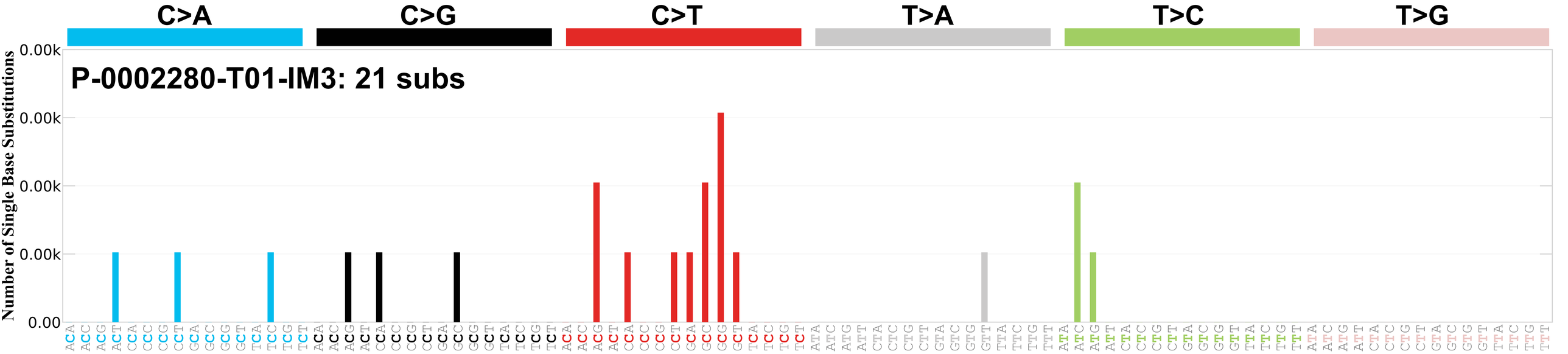

C>A
C>G
C>T
T>A
T>C
T>G
P-0000448-T01-IM3: 70 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

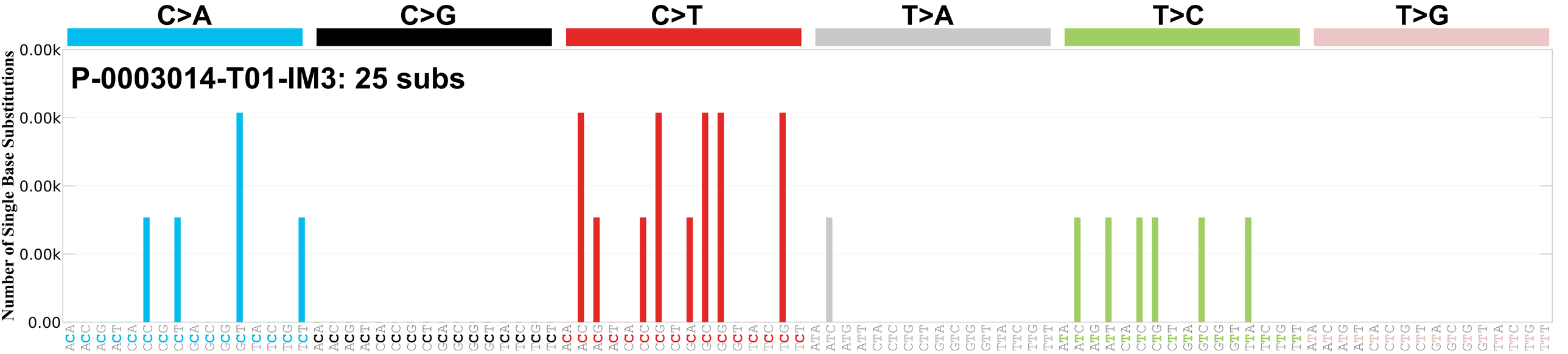

C>A
C>G
C>T
T>A
T>C
T>G
P-0000558-T01-IM3: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

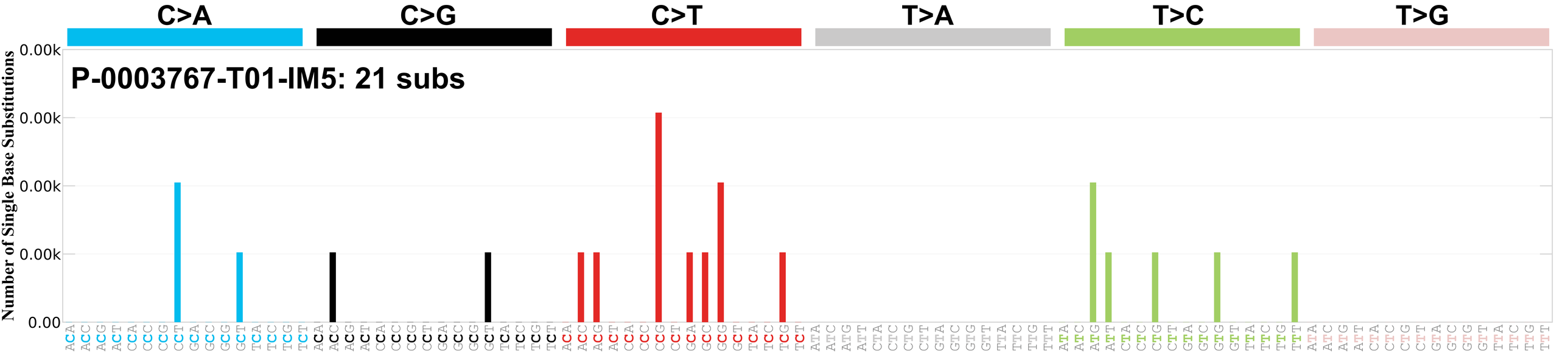

C>A
C>G
C>T
T>A
T>C
T>G
P-0000614-T01-IM3: 20 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

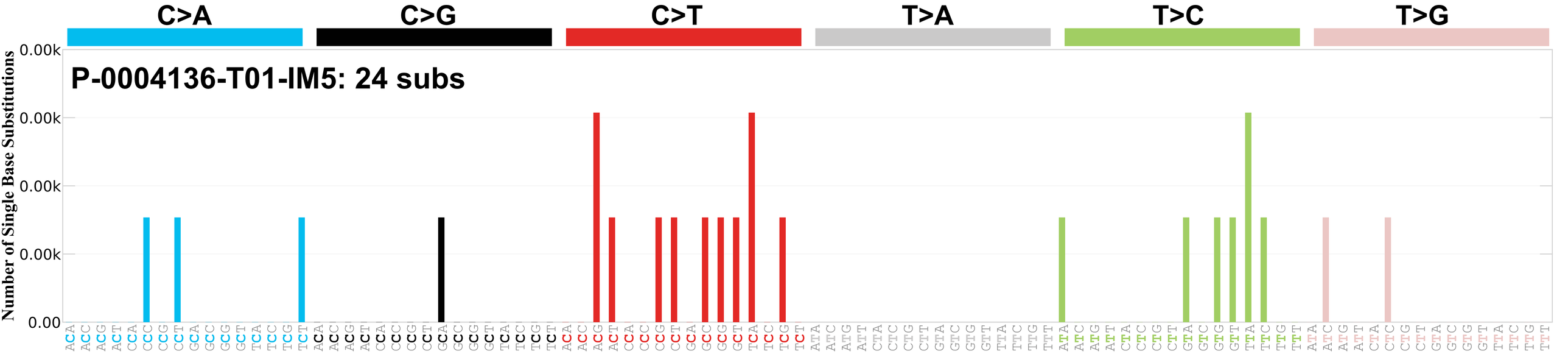

C>A
C>G
C>T
T>A
T>C
T>G
P-0001248-T01-IM3: 21 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

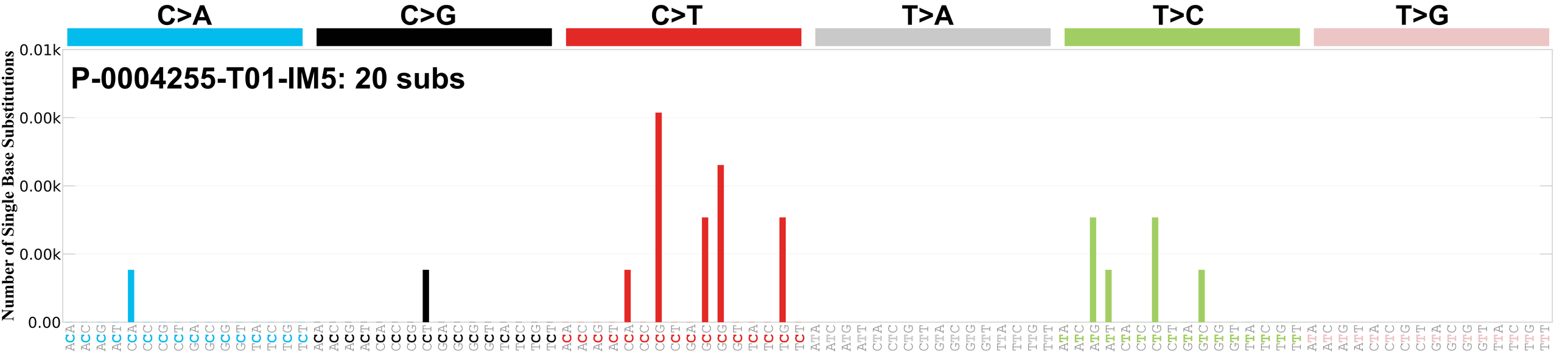

C>A
C>G
C>T
T>A
T>C
T>G
P-0001791-T01-IM3: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

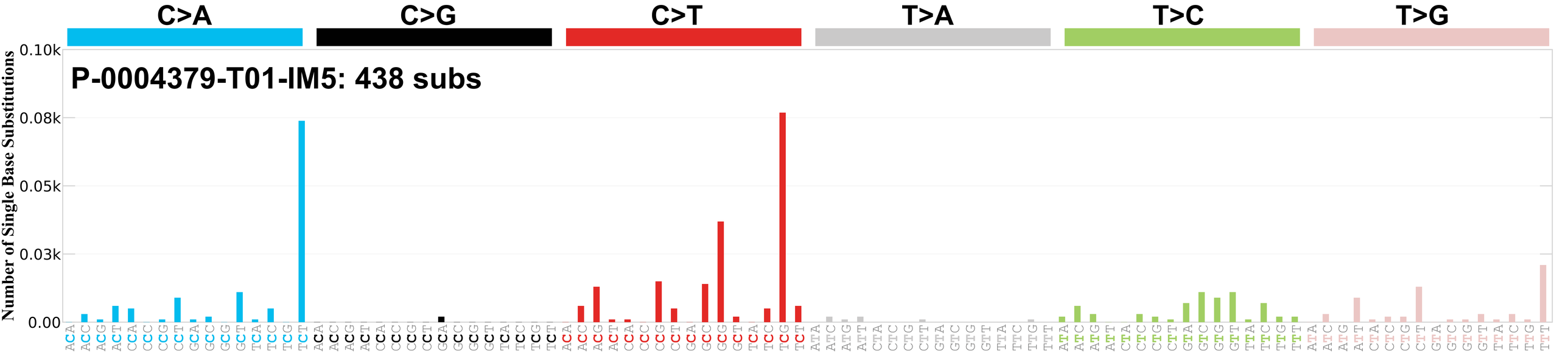

C>A
C>G
C>T
T>A
T>C
T>G
P-0002280-T01-IM3: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

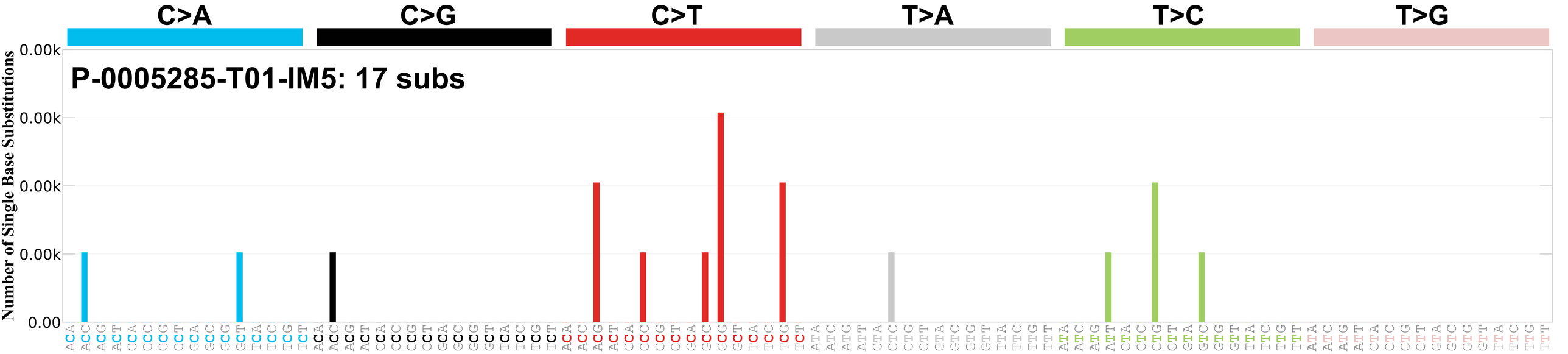

C>A
C>G
C>T
T>A
T>C
T>G
P-0003014-T01-IM3: 25 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

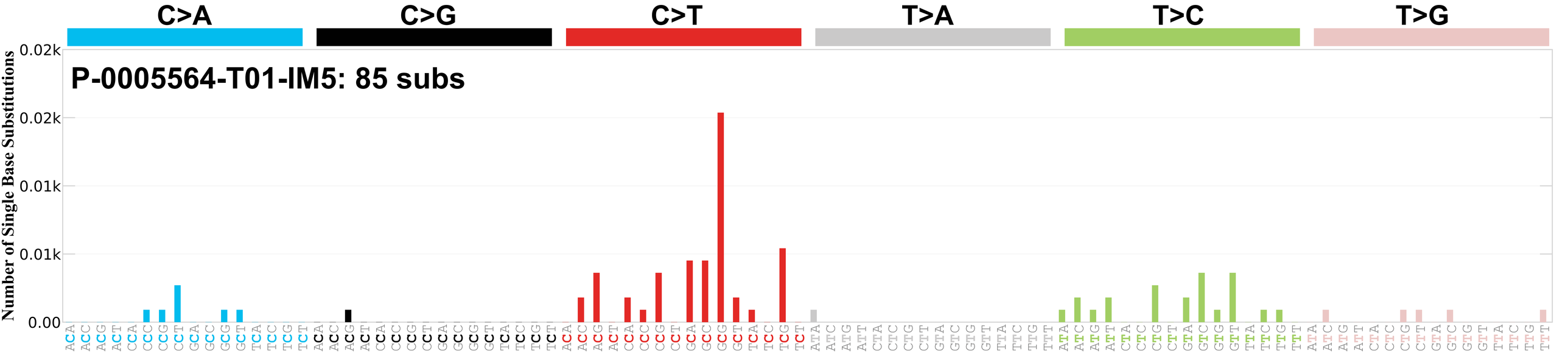

C>A
C>G
C>T
T>A
T>C
T>G
P-0003767-T01-IM5: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

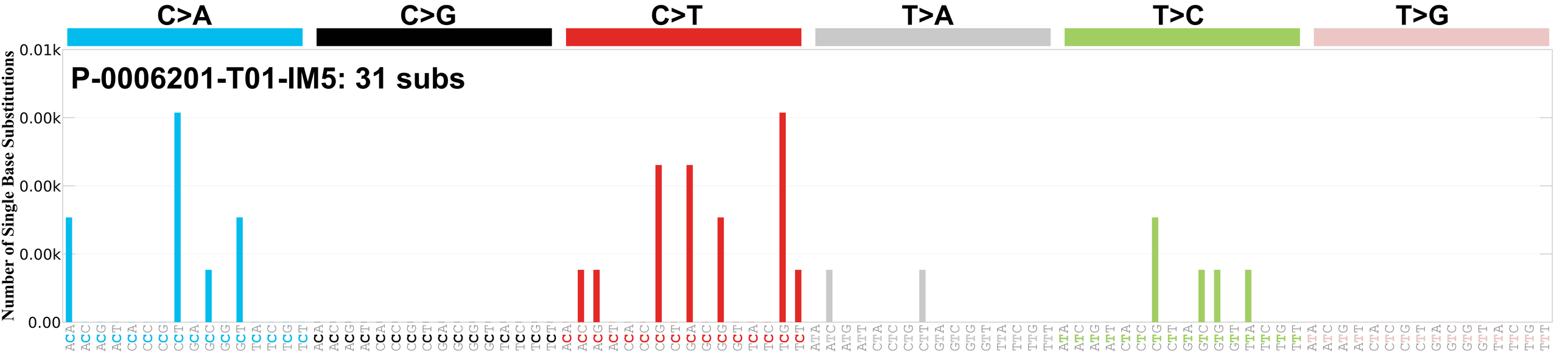

C>A
C>G
C>T
T>A
T>C
T>G
P-0004136-T01-IM5: 24 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

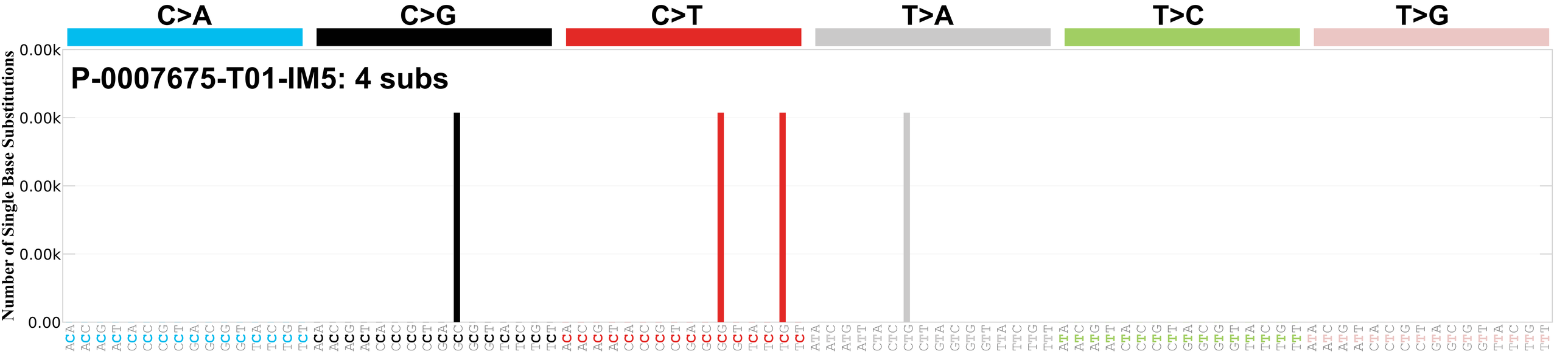

C>A
C>G
C>T
T>A
T>C
T>G
P-0004255-T01-IM5: 20 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

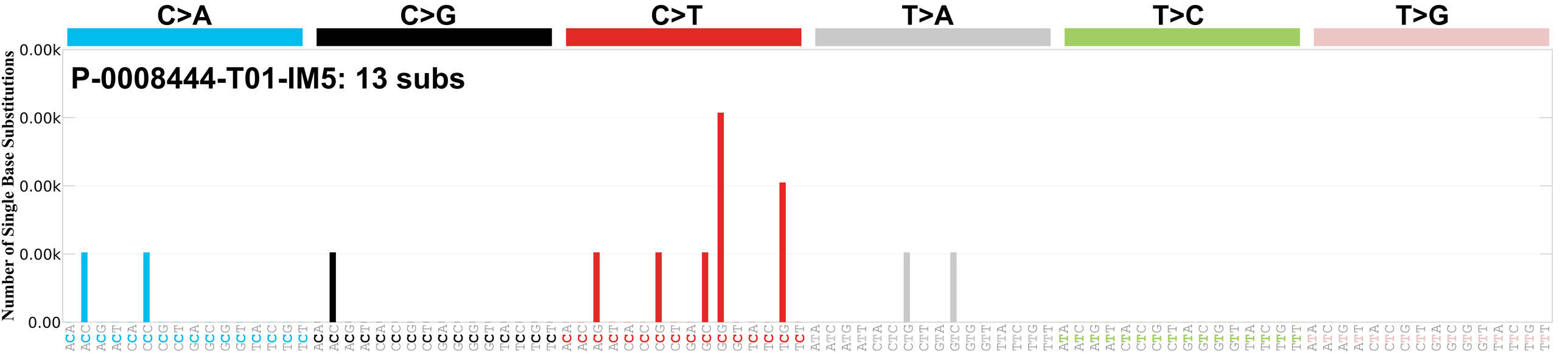

C>A
C>G
C>T
T>A
T>C
T>G
P-0004379-T01-IM5: 438 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

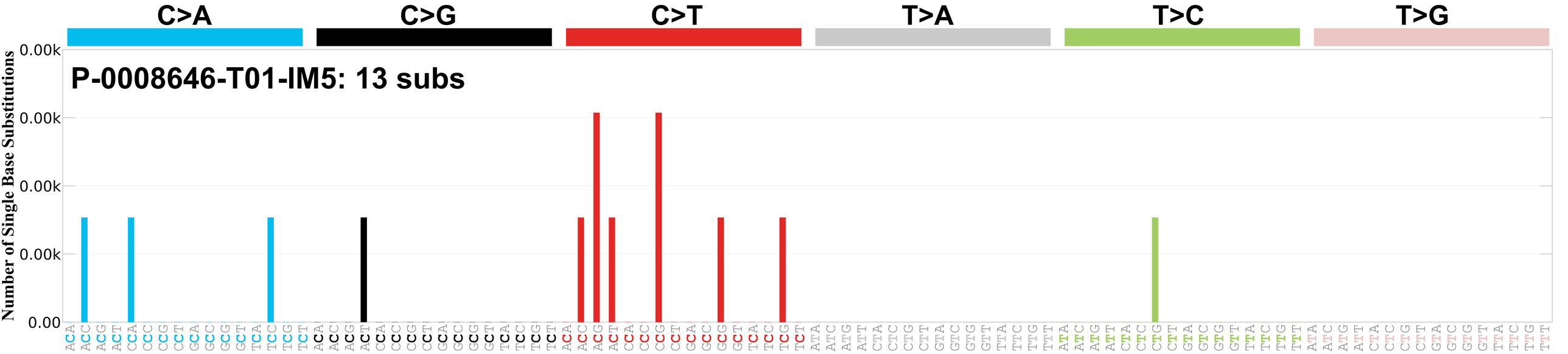

C>A
C>G
C>T
T>A
T>C
T>G
P-0005285-T01-IM5: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

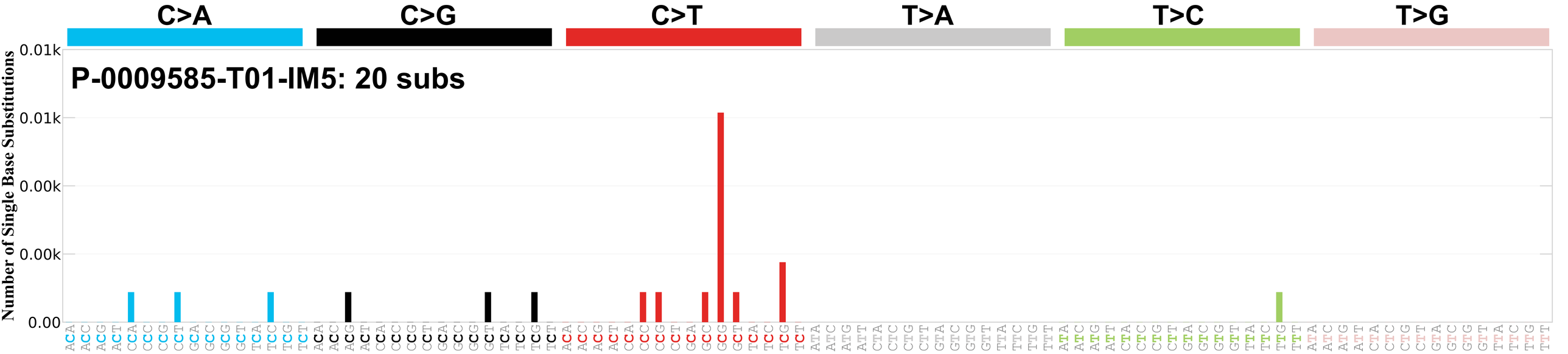

C>A
C>G
C>T
T>A
T>C
T>G
P-0005564-T01-IM5: 85 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

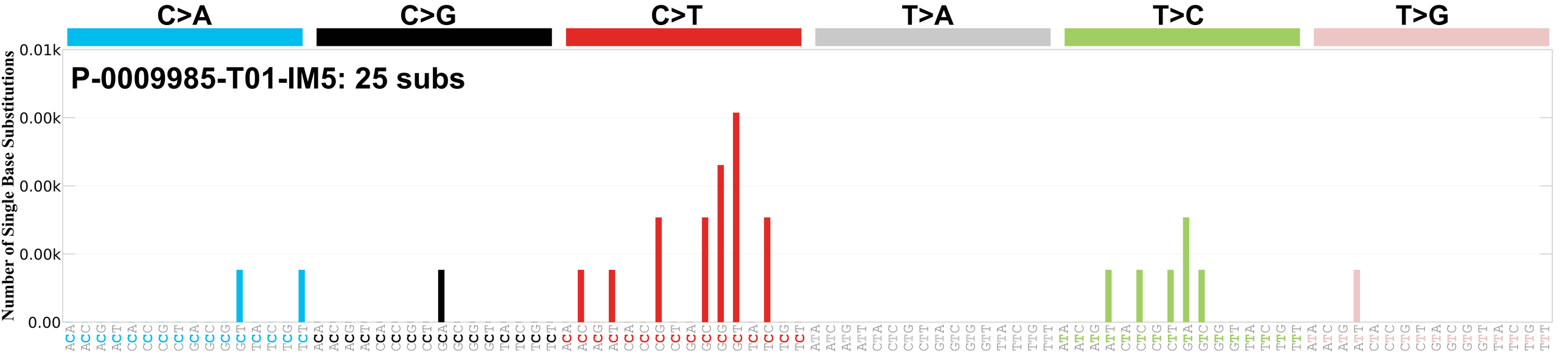

C>A
C>G
C>T
T>A
T>C
T>G
P-0006201-T01-IM5: 31 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

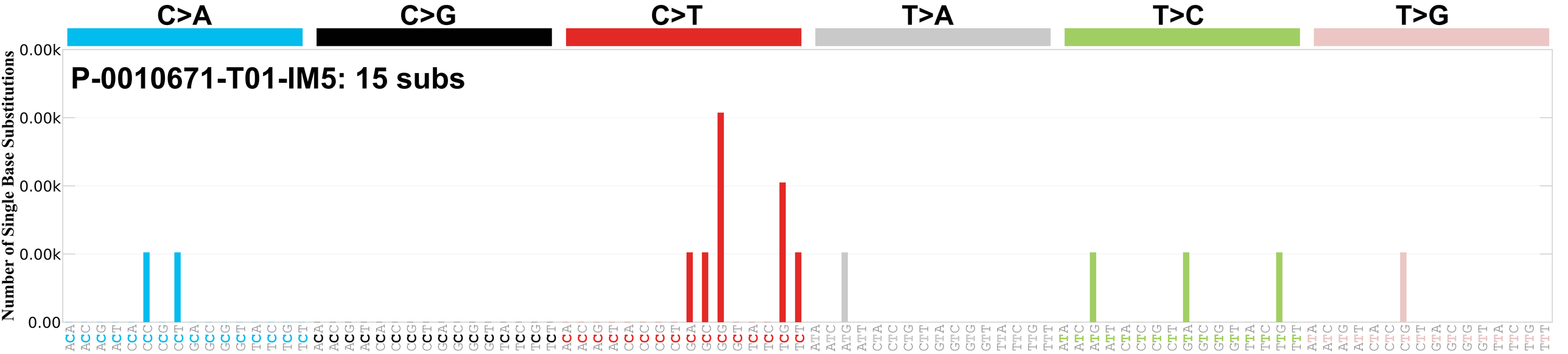

C>A
C>G
C>T
T>A
T>C
T>G
P-0007675-T01-IM5: 4 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

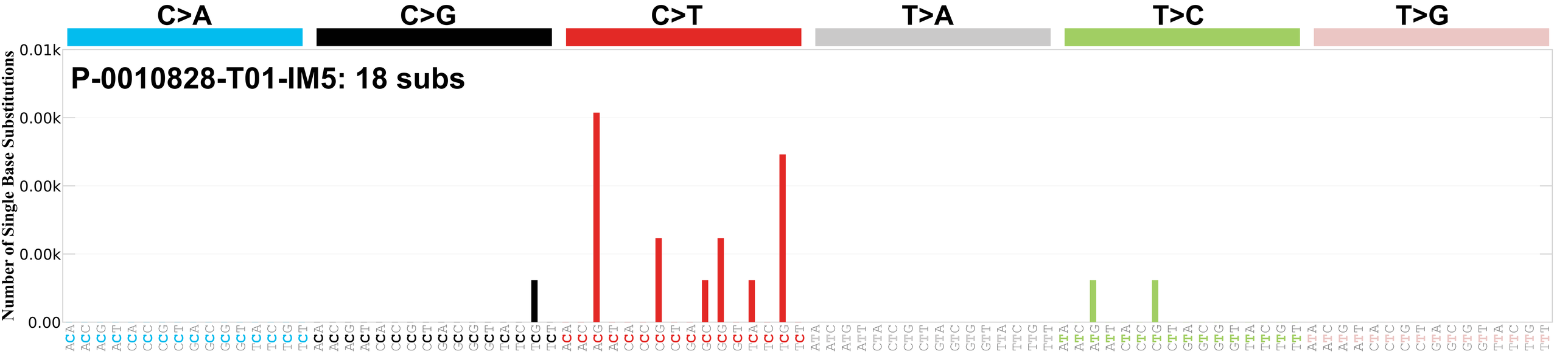

C>A
C>G
C>T
T>A
T>C
T>G
P-0008444-T01-IM5: 13 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

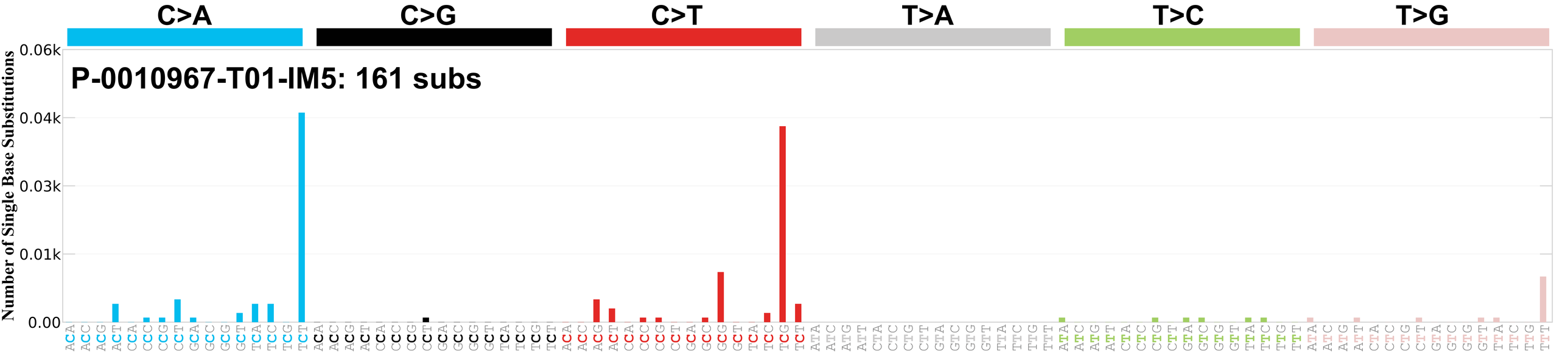

C>A
C>G
C>T
T>A
T>C
T>G
P-0008646-T01-IM5: 13 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

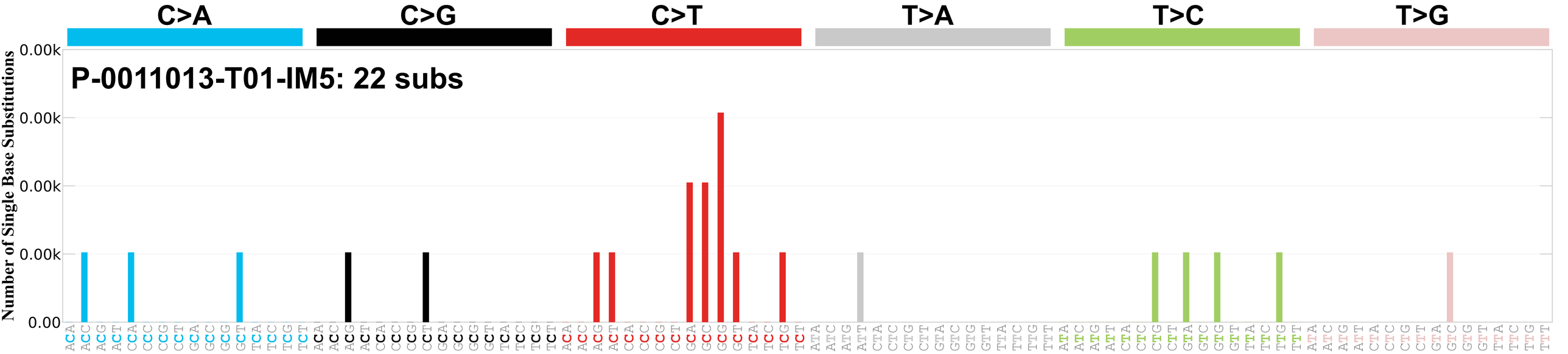

C>A
C>G
C>T
T>A
T>C
T>G
P-0009585-T01-IM5: 20 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

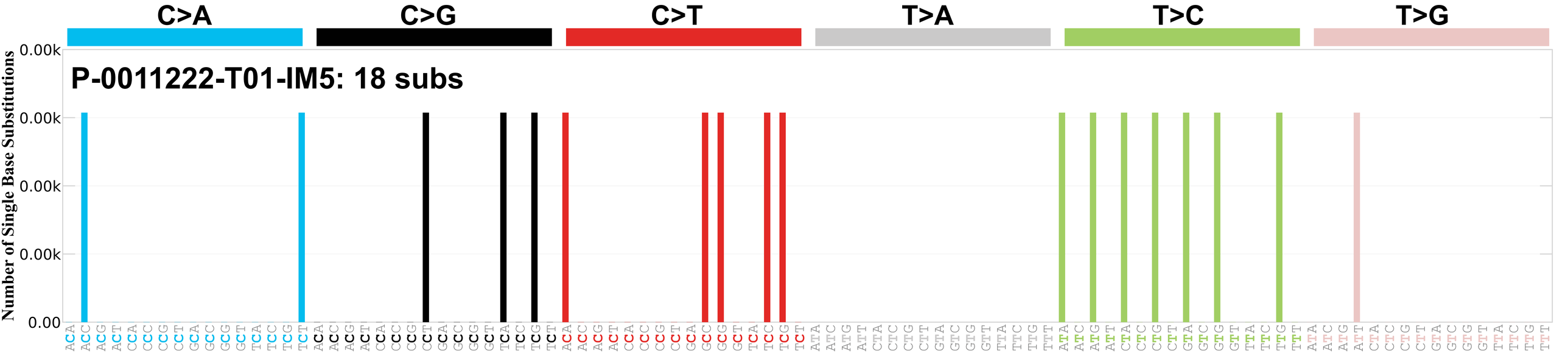

C>A
C>G
C>T
T>A
T>C
T>G
P-0009985-T01-IM5: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

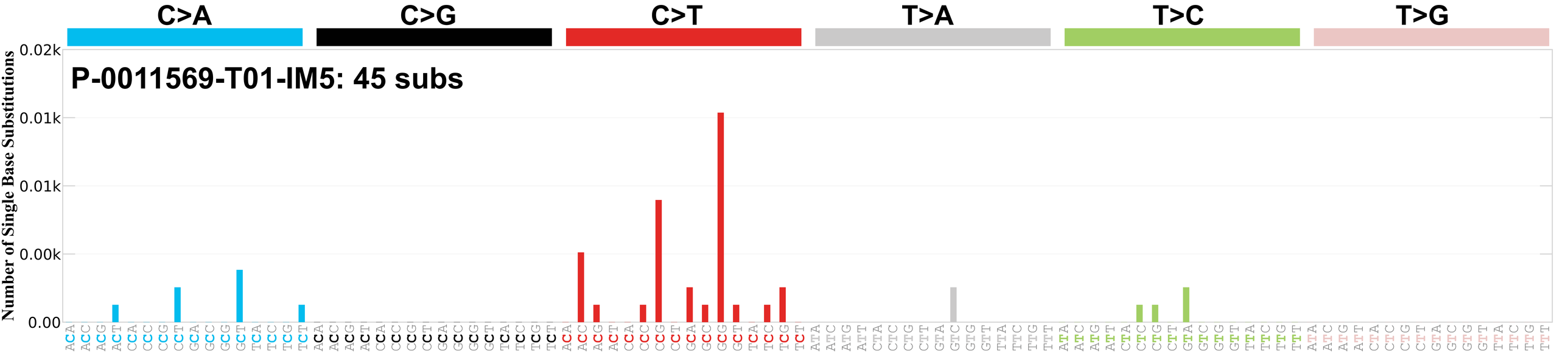

C>A
C>G
C>T
T>A
T>C
T>G
P-0010671-T01-IM5: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

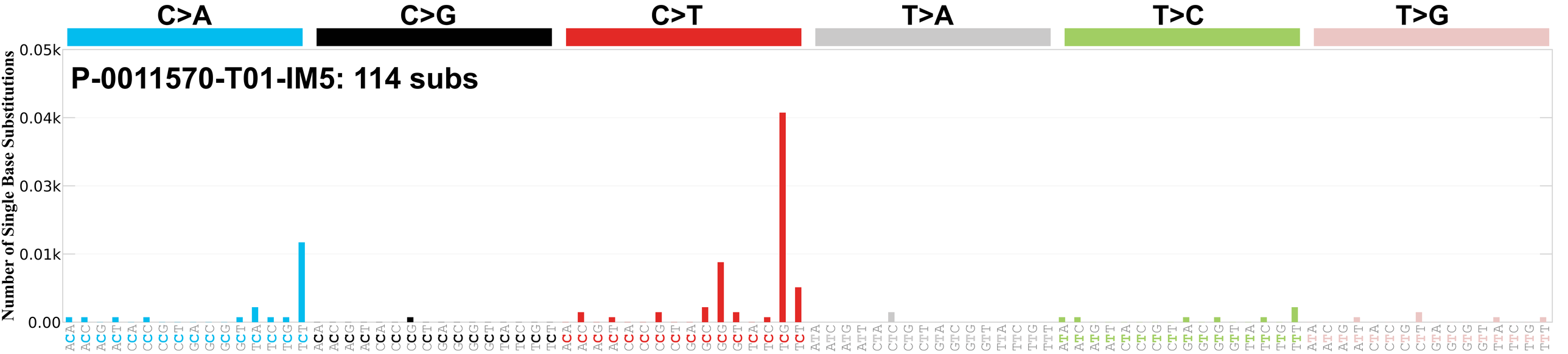

C>A
C>G
C>T
T>A
T>C
T>G
P-0010828-T01-IM5: 18 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

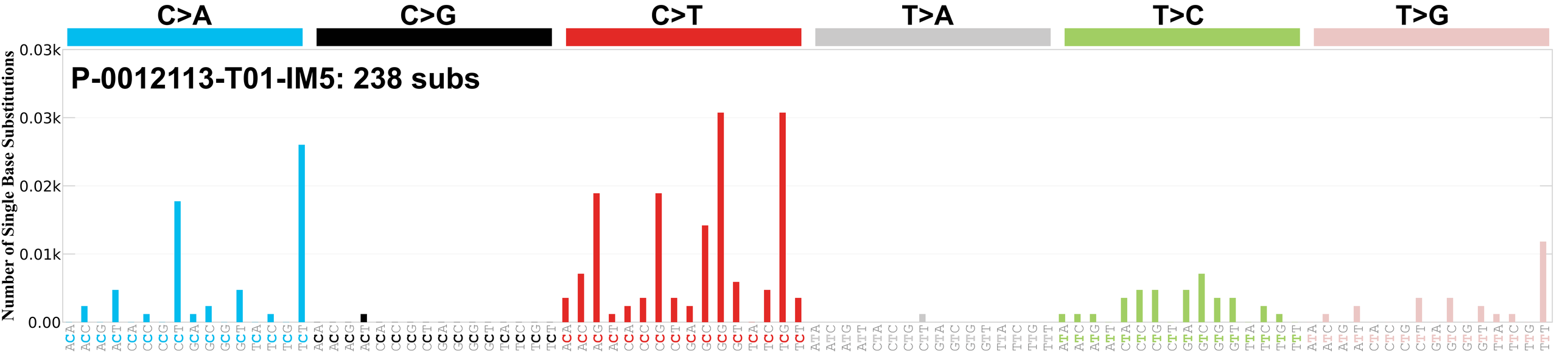

C>A
C>G
C>T
T>A
T>C
T>G
P-0010967-T01-IM5: 161 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

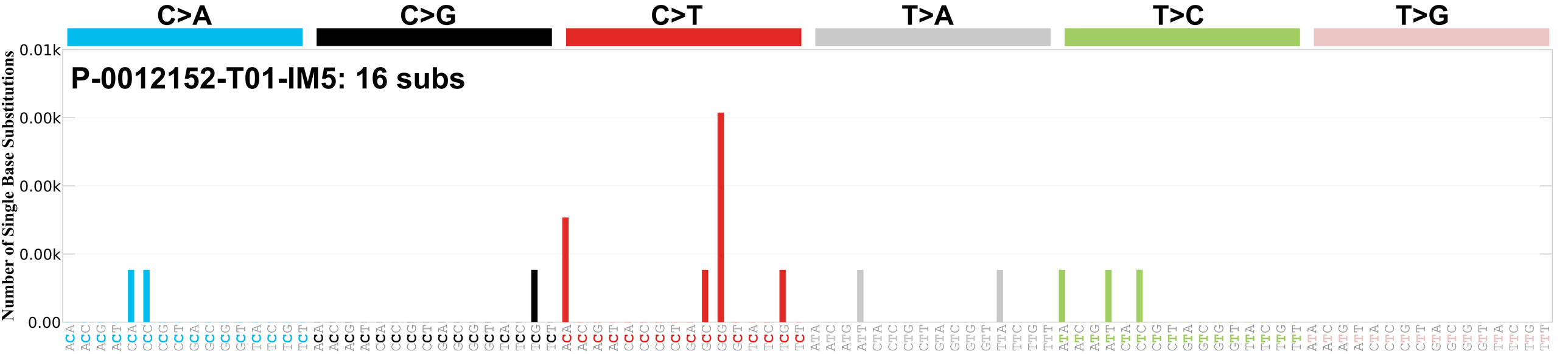

C>A
C>G
C>T
T>A
T>C
T>G
P-0011013-T01-IM5: 22 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

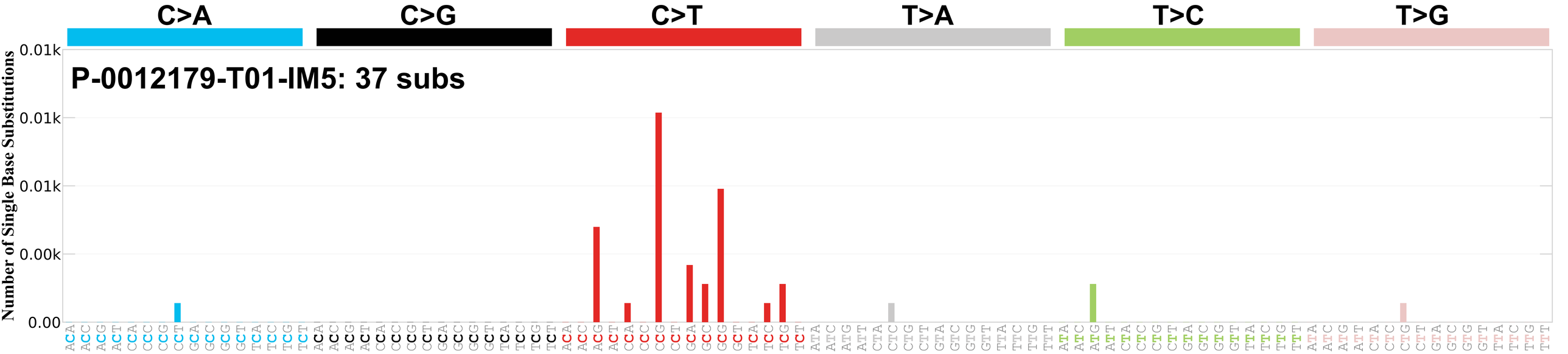

C>A
C>G
C>T
T>A
T>C
T>G
P-0011222-T01-IM5: 18 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

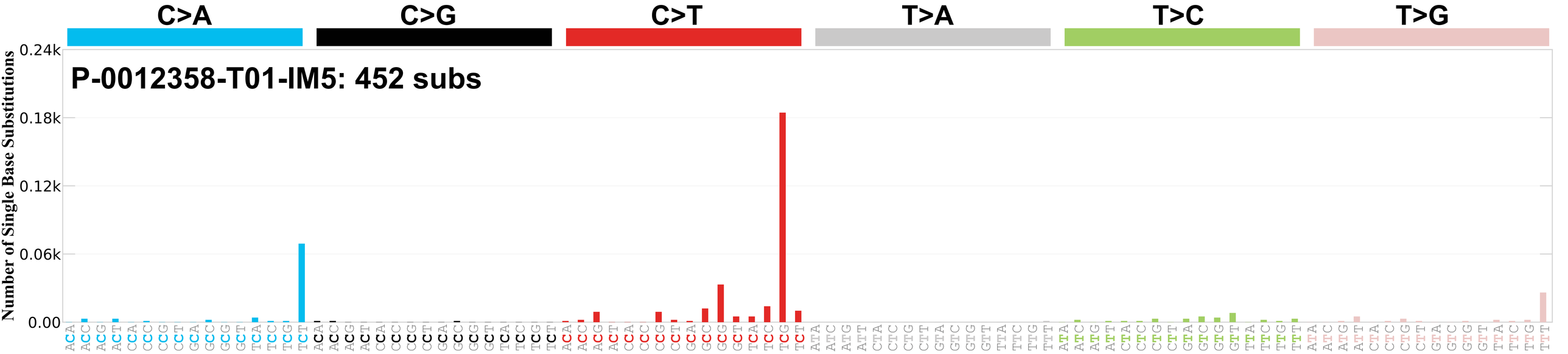

C>A
C>G
C>T
T>A
T>C
T>G
P-0011569-T01-IM5: 45 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

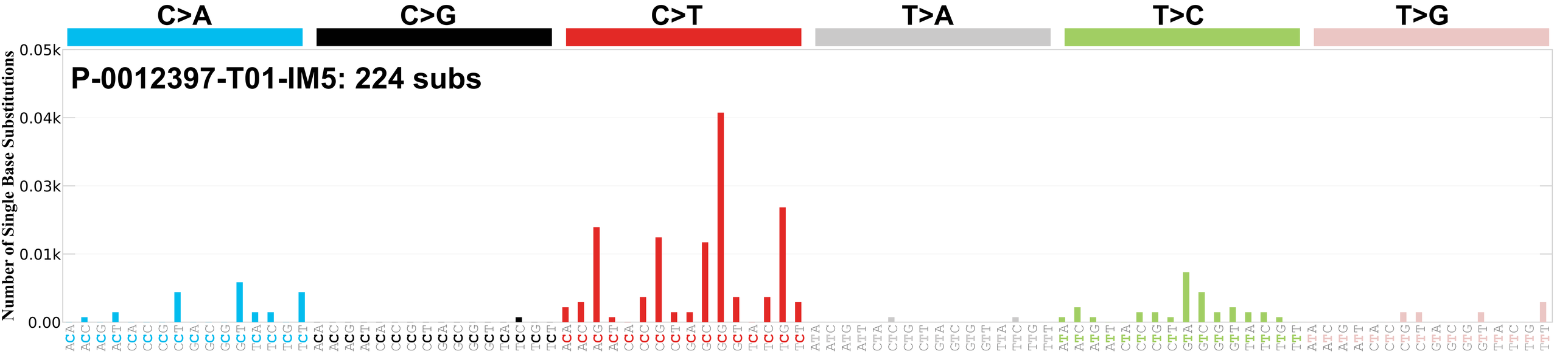

C>A
C>G
C>T
T>A
T>C
T>G
P-0011570-T01-IM5: 114 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

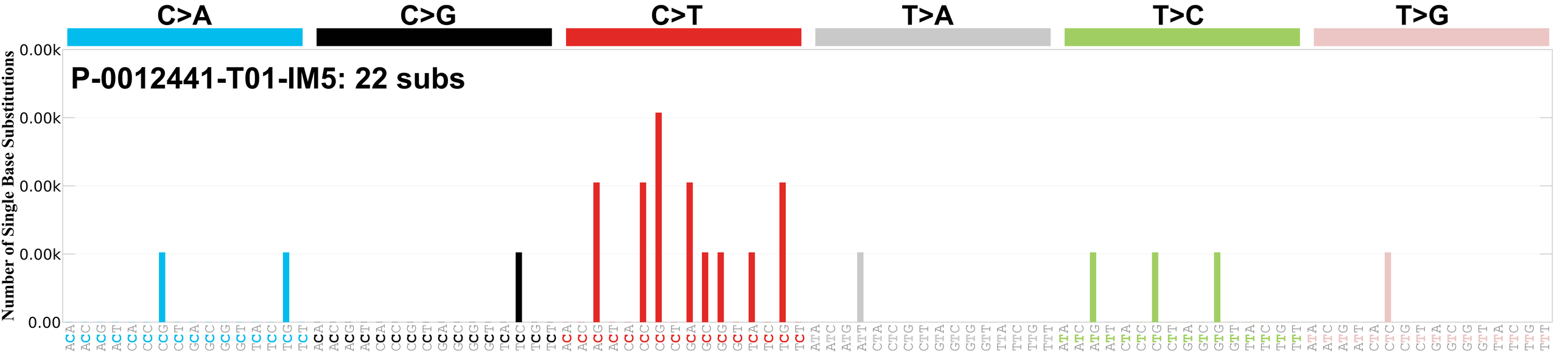

C>A
C>G
C>T
T>A
T>C
T>G
P-0012113-T01-IM5: 238 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

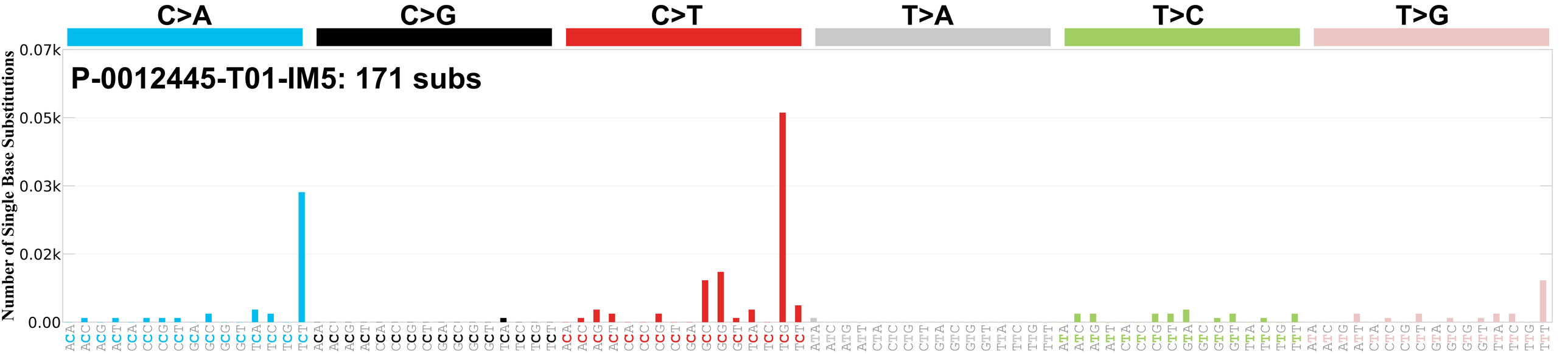

C>A
C>G
C>T
T>A
T>C
T>G
P-0012152-T01-IM5: 16 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

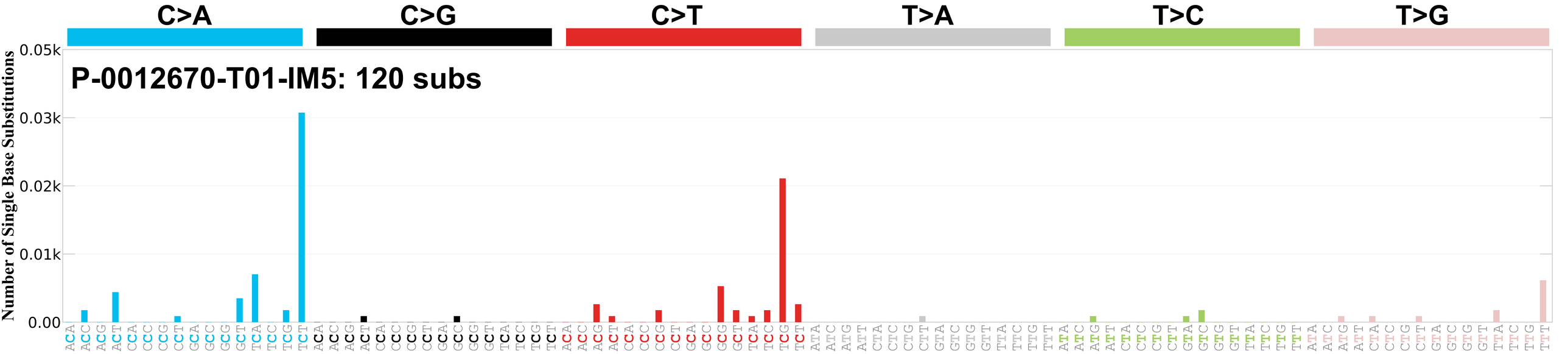

C>A
C>G
C>T
T>A
T>C
T>G
P-0012179-T01-IM5: 37 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

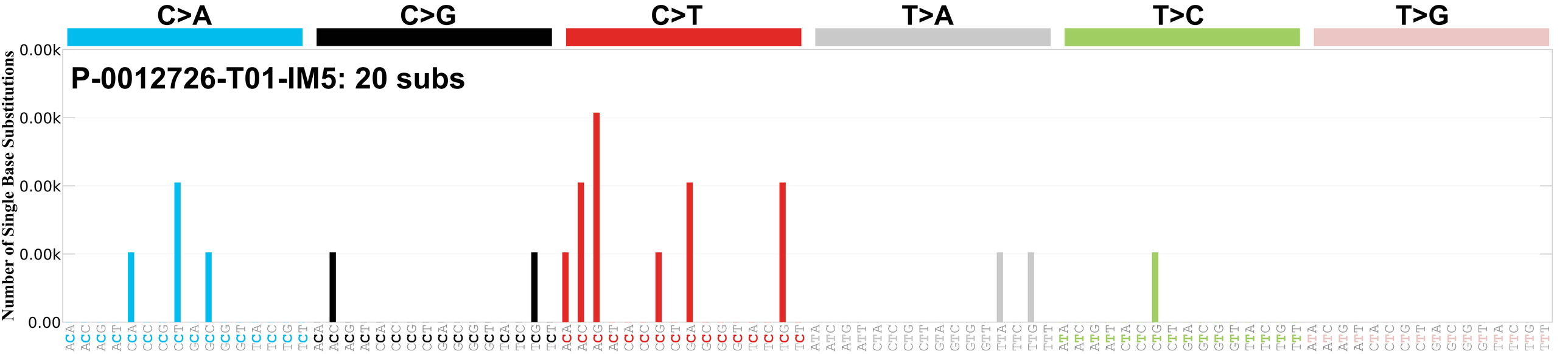

C>A
C>G
C>T
T>A
T>C
T>G
P-0012358-T01-IM5: 452 subs
Number of Single Base Substitutions
0.24k
0.18k
0.12k
0.06k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

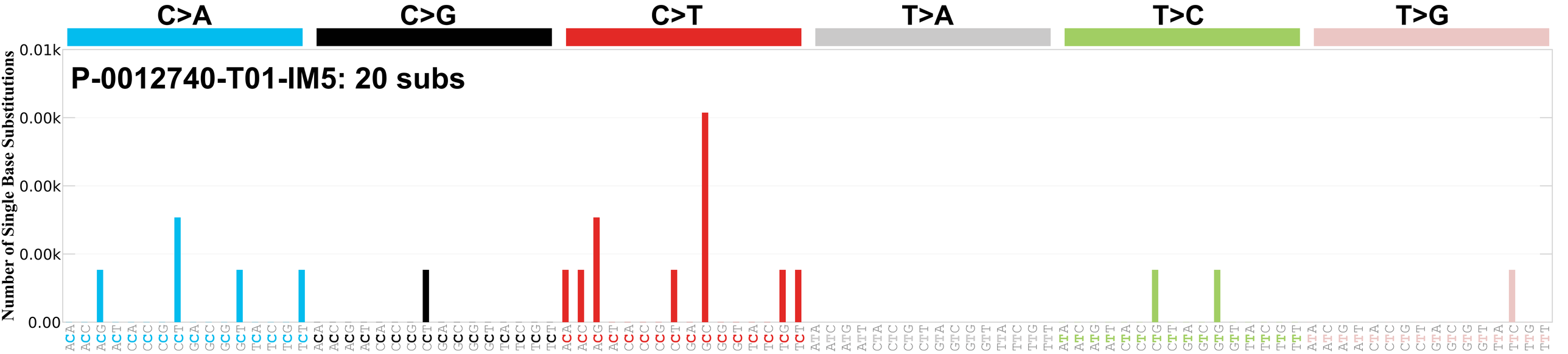

C>A
C>G
C>T
T>A
T>C
T>G
P-0012397-T01-IM5: 224 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

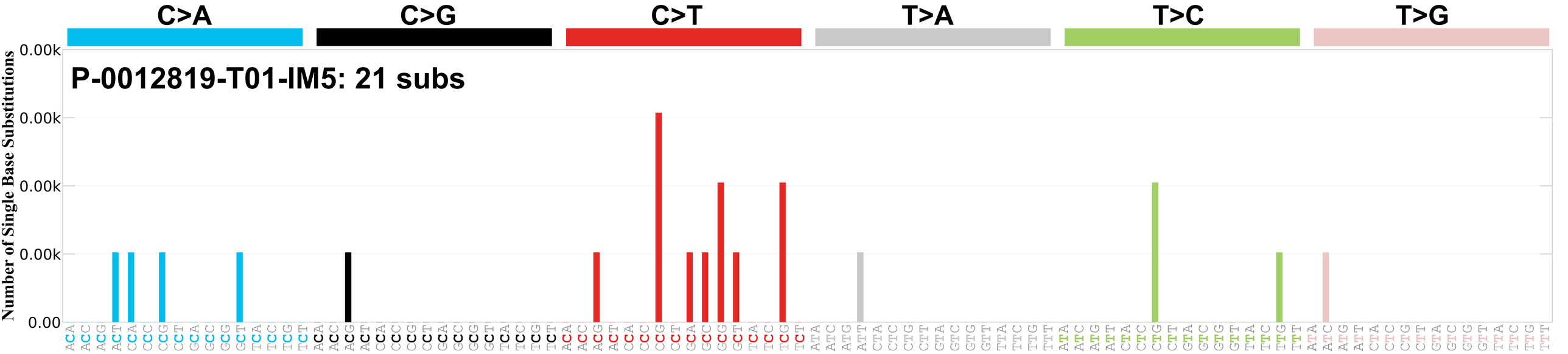

C>A
C>G
C>T
T>A
T>C
T>G
P-0012441-T01-IM5: 22 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

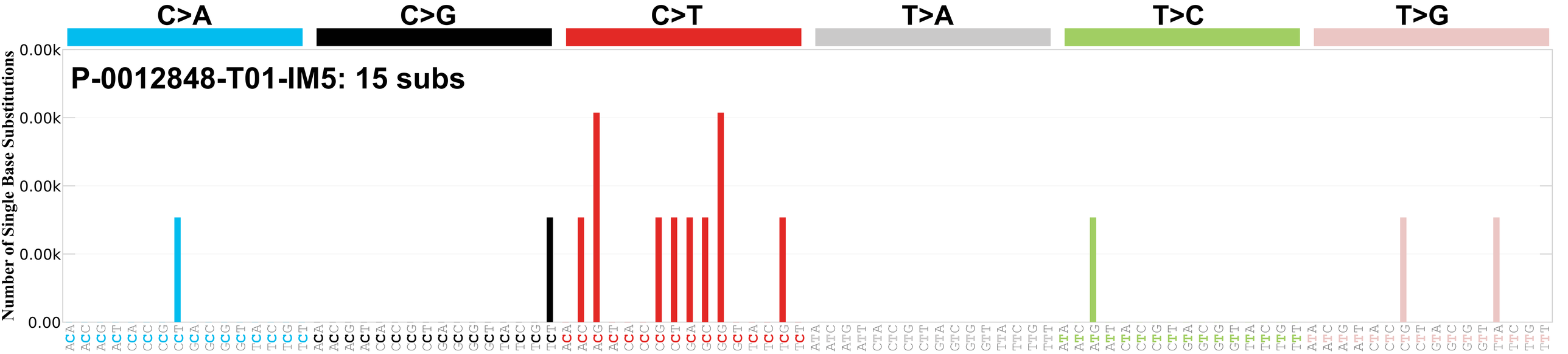

C>A
C>G
C>T
T>A
T>C
T>G
P-0012445-T01-IM5: 171 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

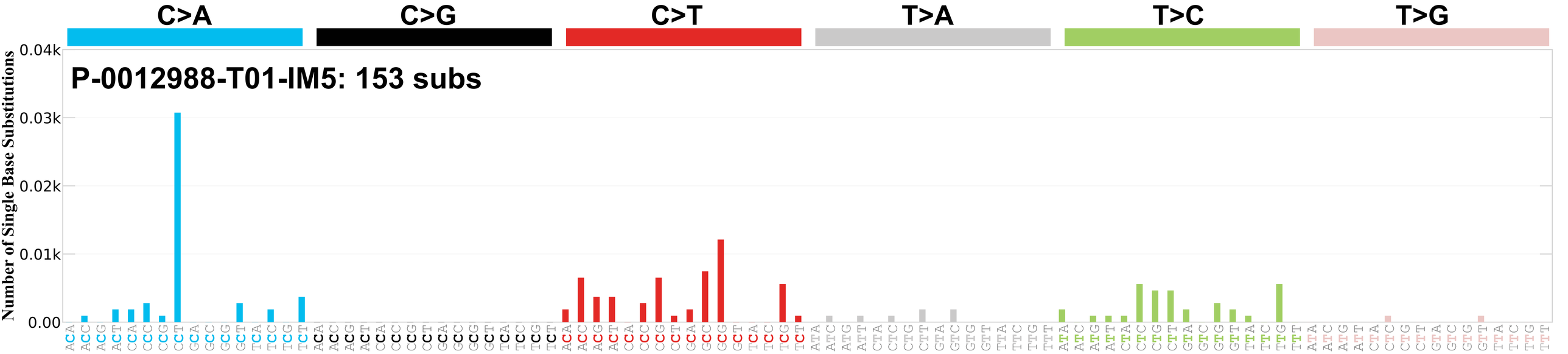

C>A
C>G
C>T
T>A
T>C
T>G
P-0012670-T01-IM5: 120 subs
Number of Single Base Substitutions
0.05k
0.03k
0.02k
0.01k
0.00

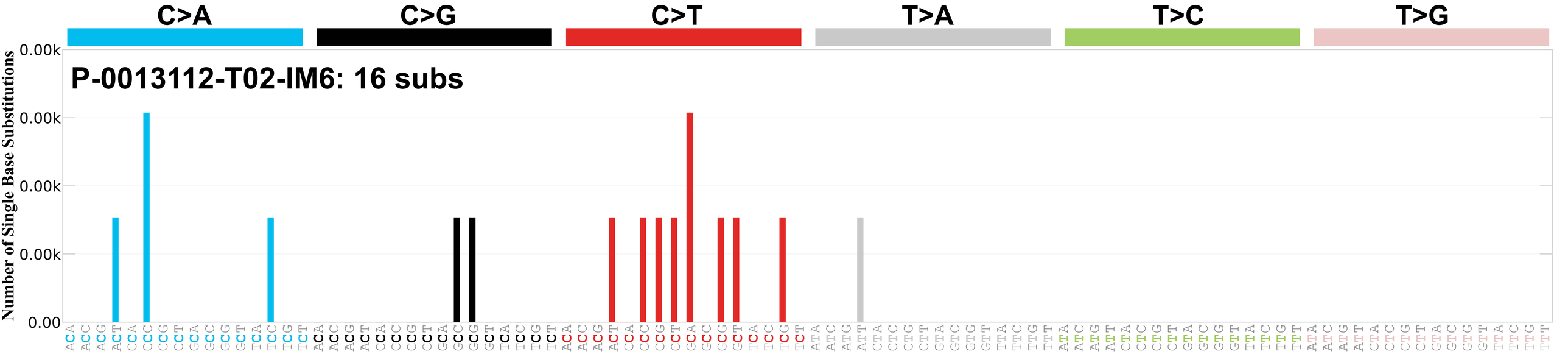

C>A
C>G
C>T
T>A
T>C
T>G
P-0012726-T01-IM5: 20 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

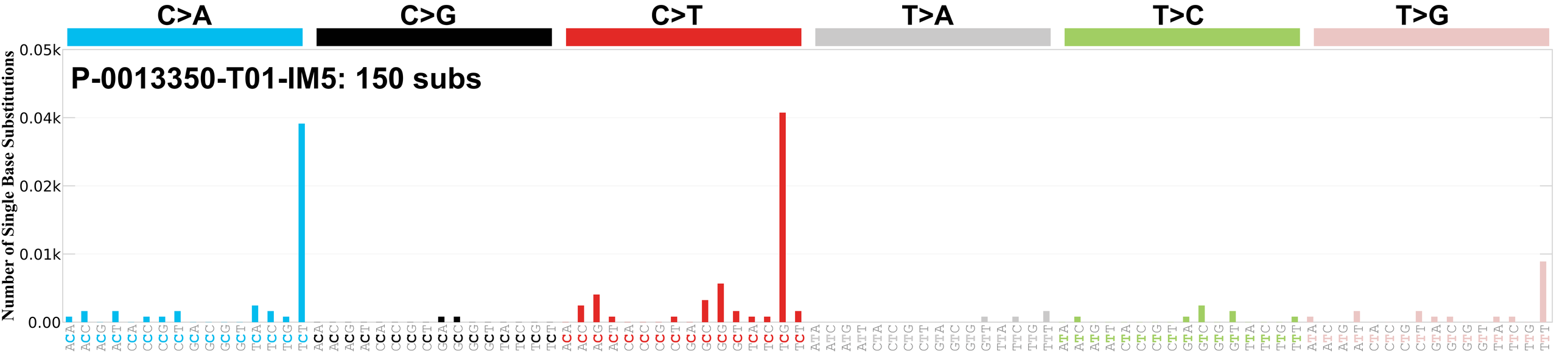

C>A
C>G
C>T
T>A
T>C
T>G
P-0012740-T01-IM5: 20 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

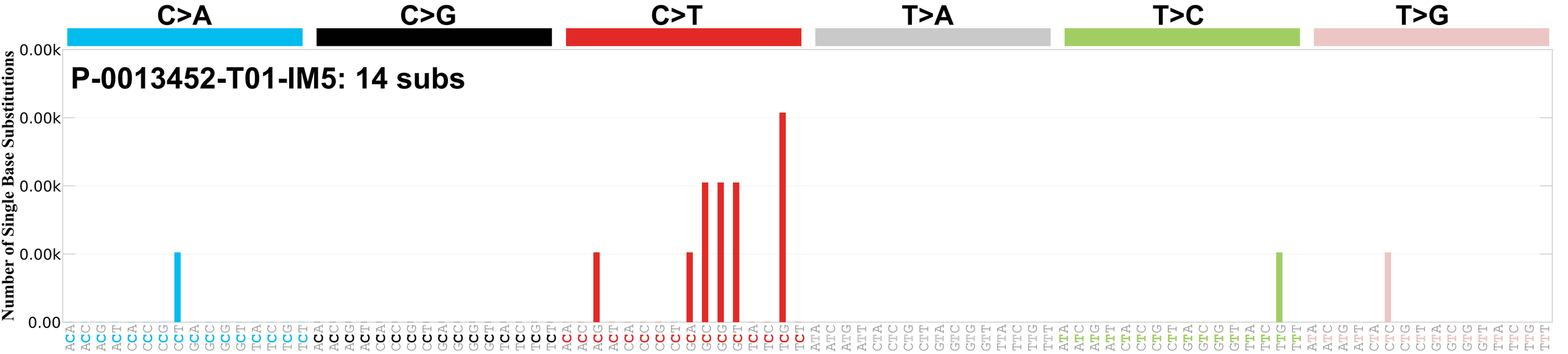

C>A
C>G
C>T
T>A
T>C
T>G
P-0012819-T01-IM5: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

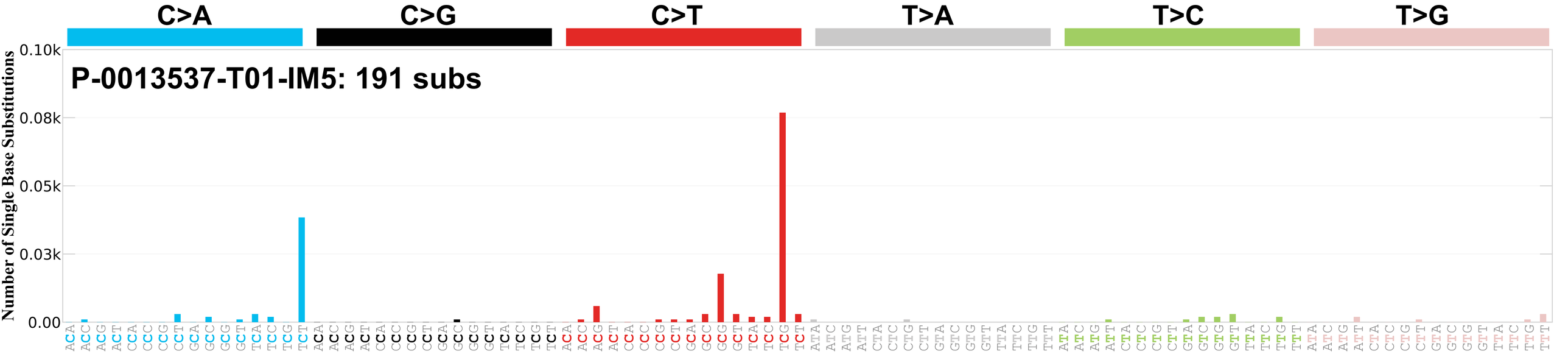

C>A
C>G
C>T
T>A
T>C
T>G
P-0012848-T01-IM5: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

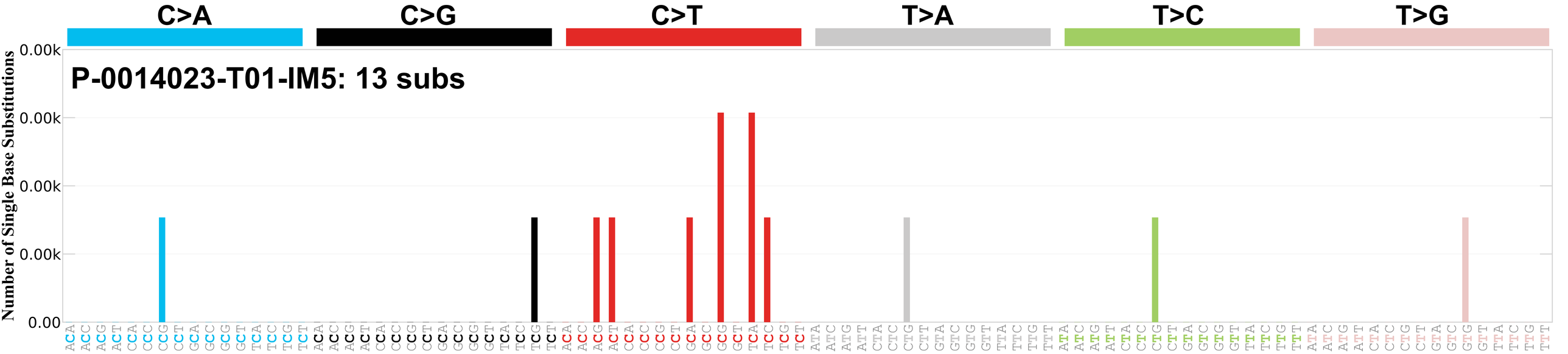

C>A
C>G
C>T
T>A
T>C
T>G
P-0012988-T01-IM5: 153 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

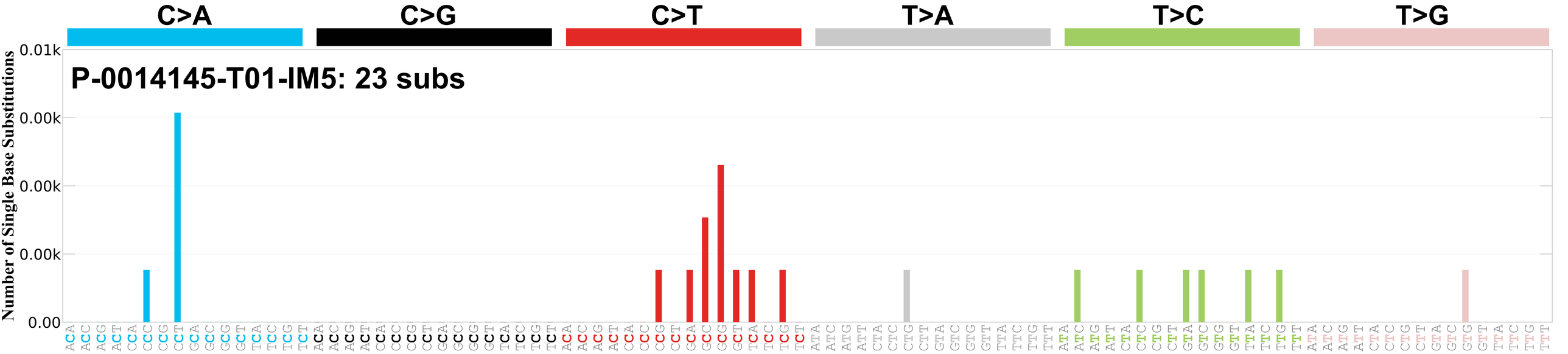

C>A
C>G
C>T
T>A
T>C
T>G
P-0013112-T02-IM6: 16 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

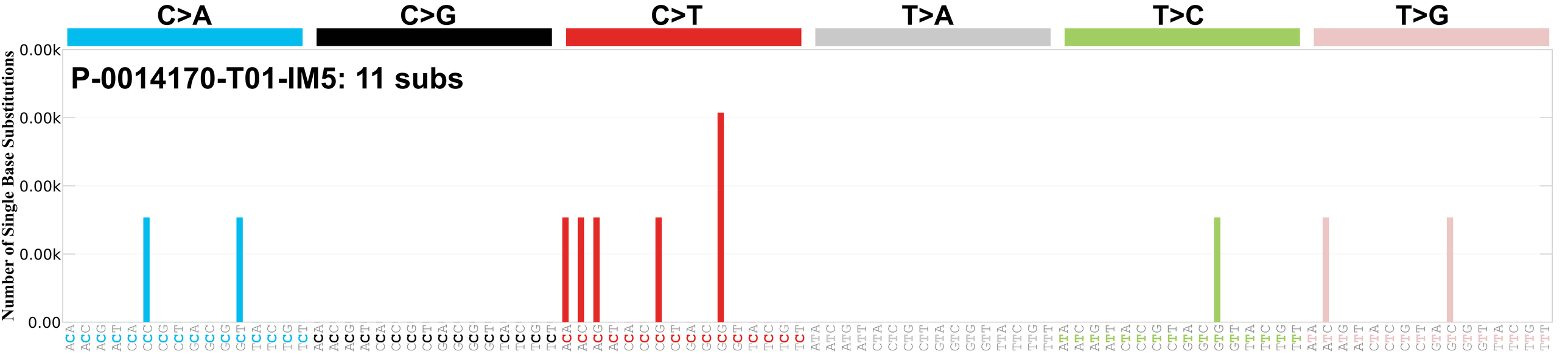

C>A
C>G
C>T
T>A
T>C
T>G
P-0013350-T01-IM5: 150 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

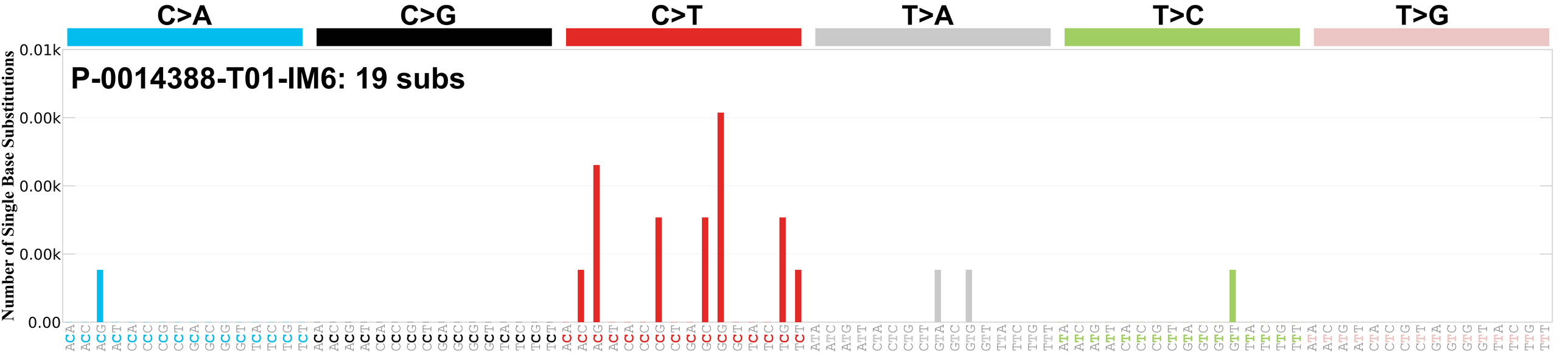

C>A
C>G
C>T
T>A
T>C
T>G
P-0013452-T01-IM5: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0013537-T01-IM5: 191 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0014023-T01-IM5: 13 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0014145-T01-IM5: 23 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0014170-T01-IM5: 11 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0014388-T01-IM6: 19 subs
Number of Single Base Substitutions
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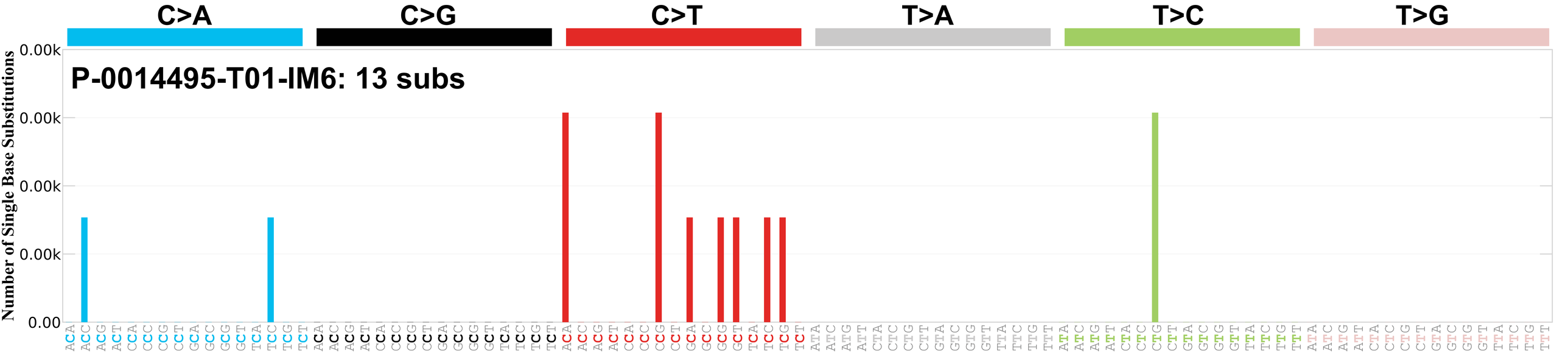
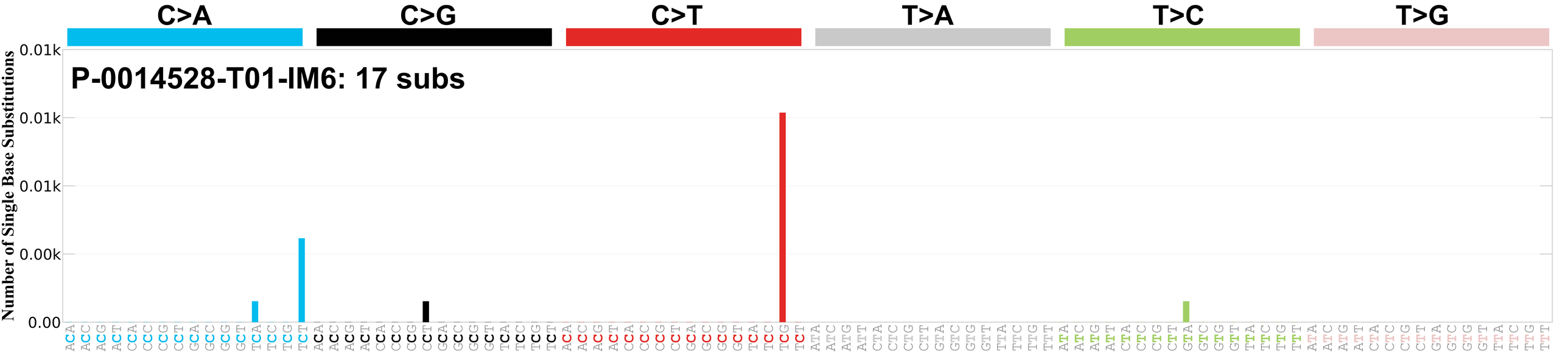
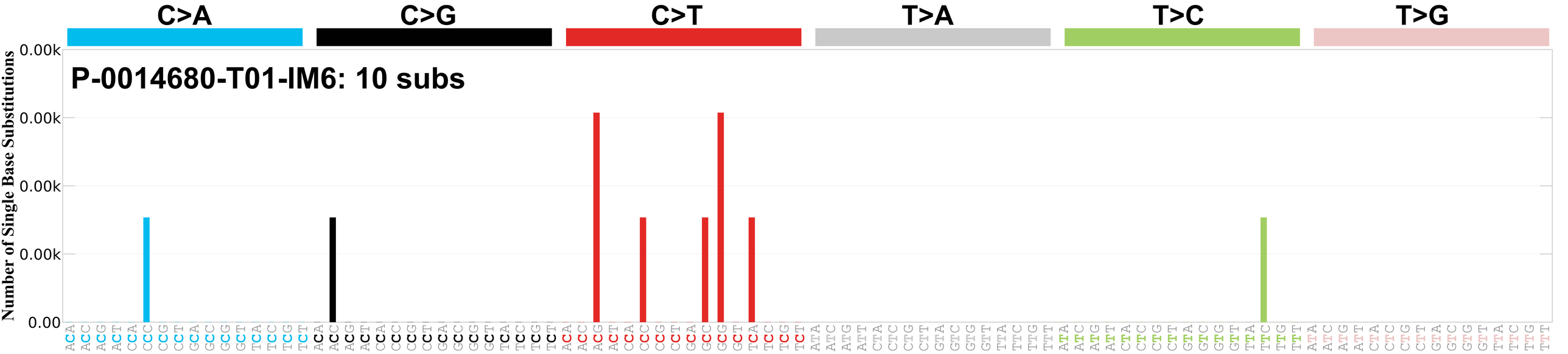
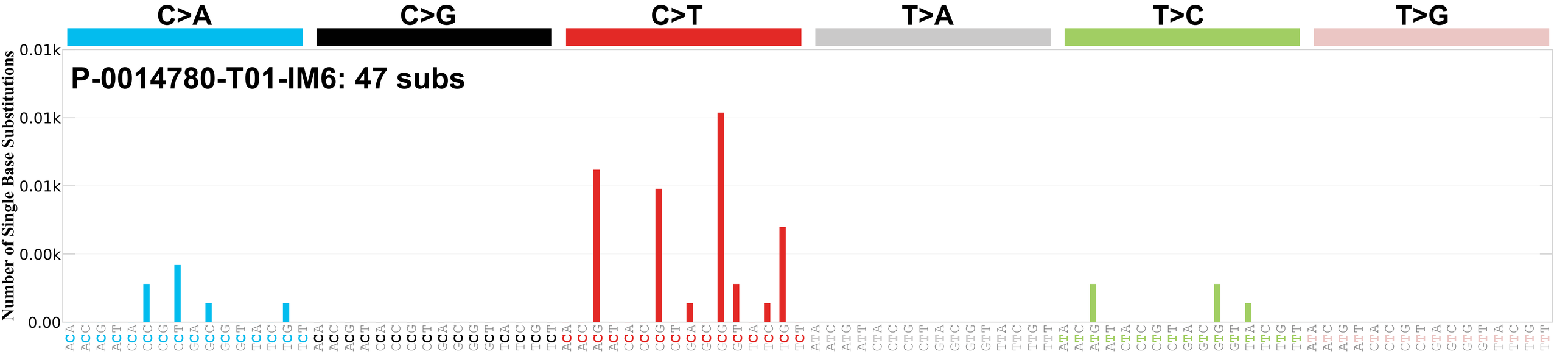
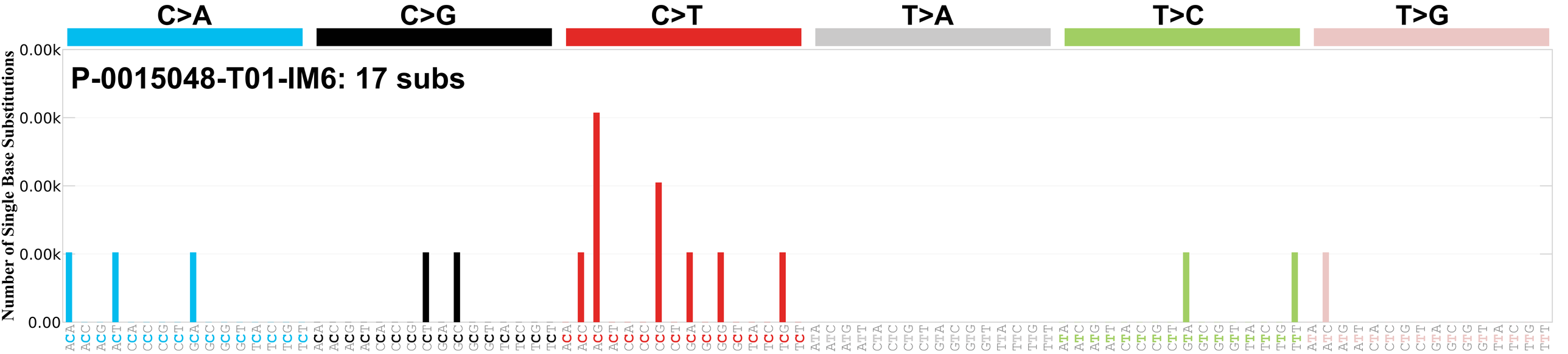
0.00k
0.00k
0.00k
0.00

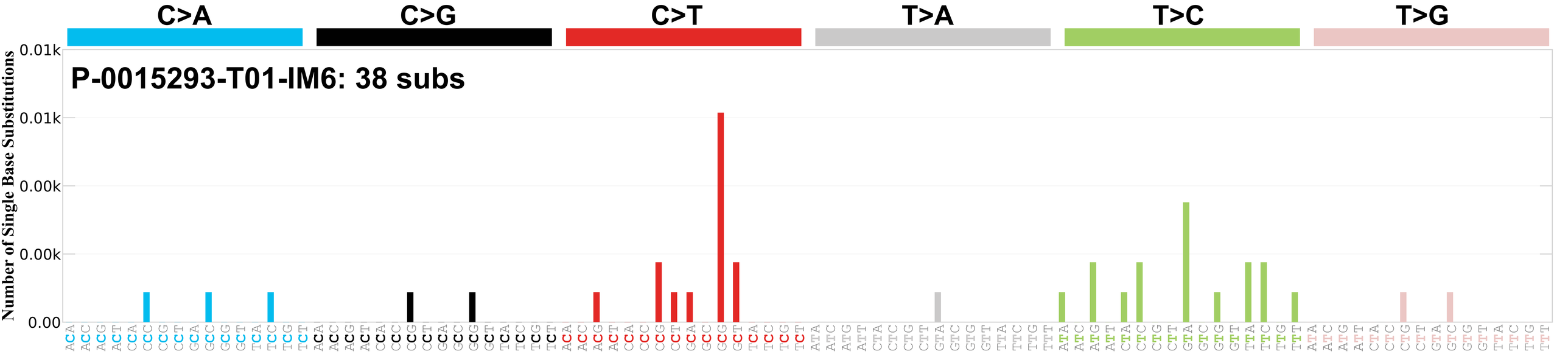

C>A
C>G
C>T
T>A
T>C
T>G
P-0014495-T01-IM6: 13 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

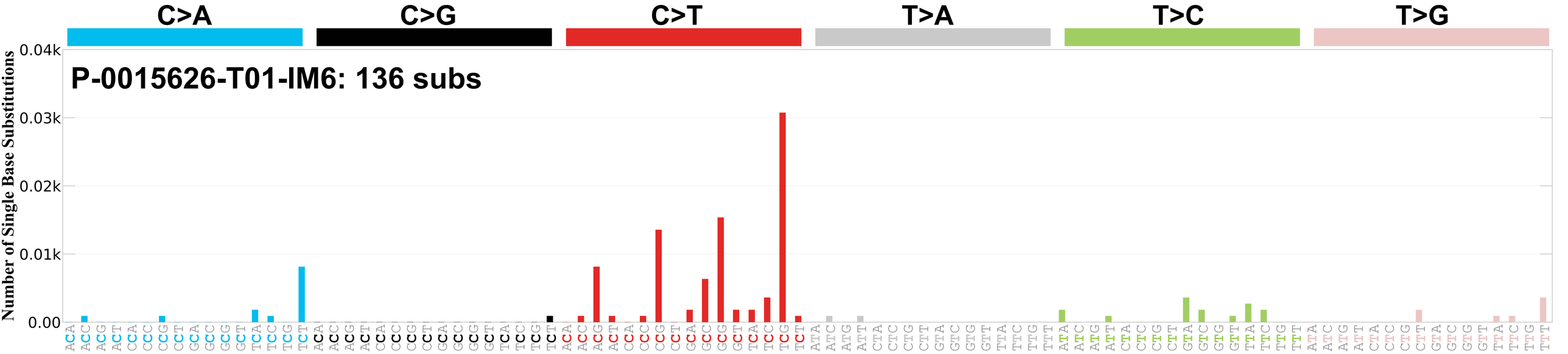

C>A
C>G
C>T
T>A
T>C
T>G
P-0014528-T01-IM6: 17 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

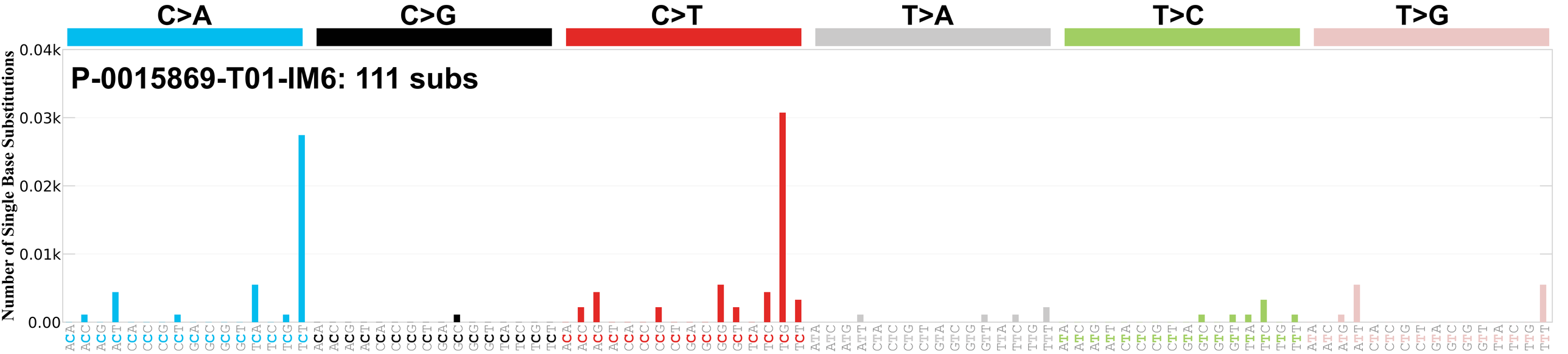

C>A
C>G
C>T
T>A
T>C
T>G
P-0014680-T01-IM6: 10 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

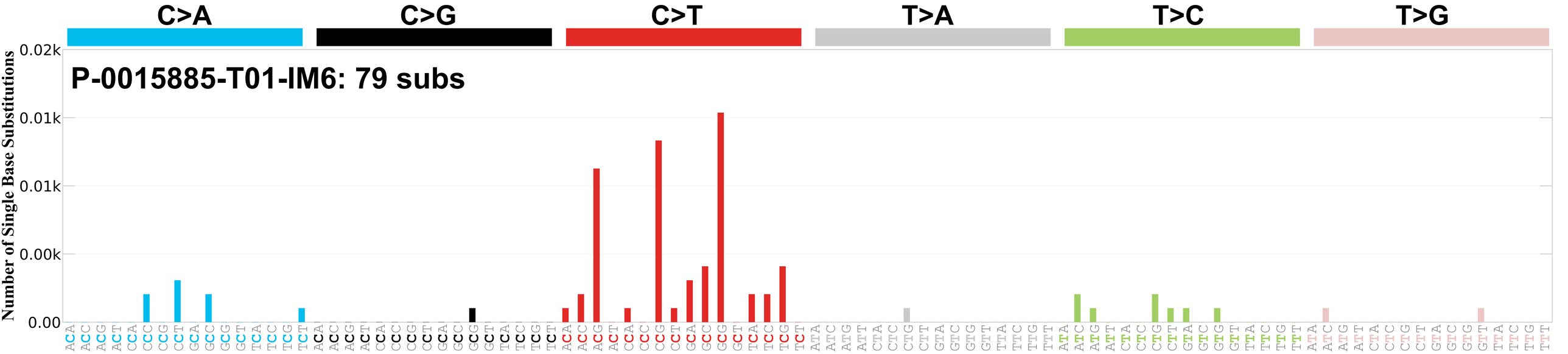

C>A
C>G
C>T
T>A
T>C
T>G
P-0014780-T01-IM6: 47 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0015048-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0015293-T01-IM6: 38 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0015626-T01-IM6: 136 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0015869-T01-IM6: 111 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0015885-T01-IM6: 79 subs
Number of Single Base Substitutions
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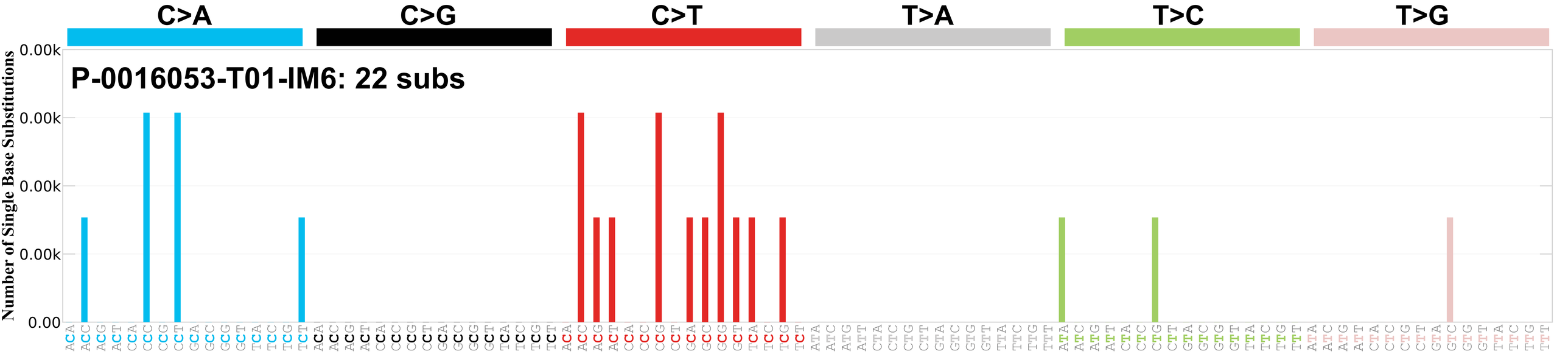
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0016053-T01-IM6: 22 subs
Number of Single Base Substitutions
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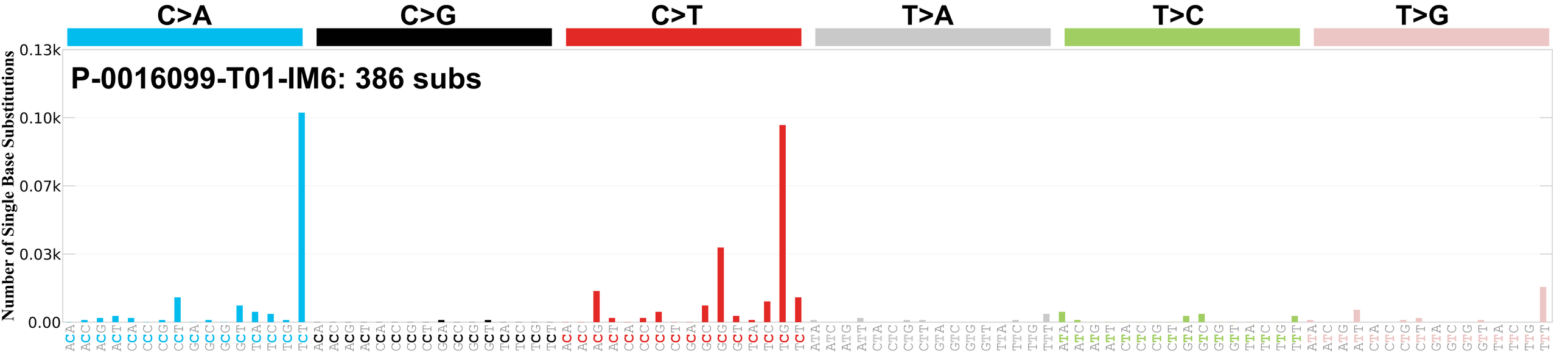
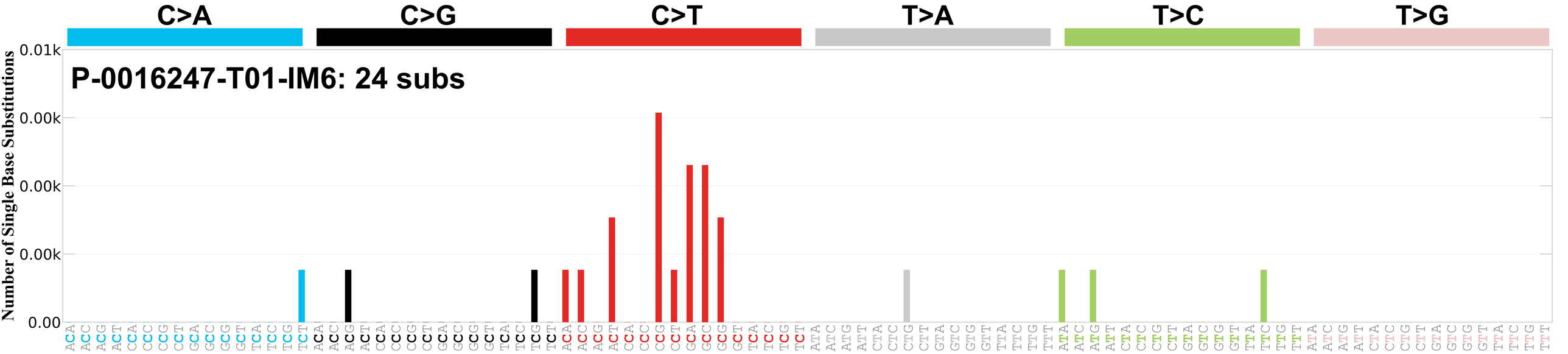
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0016099-T01-IM6: 386 subs
Number of Single Base Substitutions
0.13k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0016247-T01-IM6: 24 subs
Number of Single Base Substitutions
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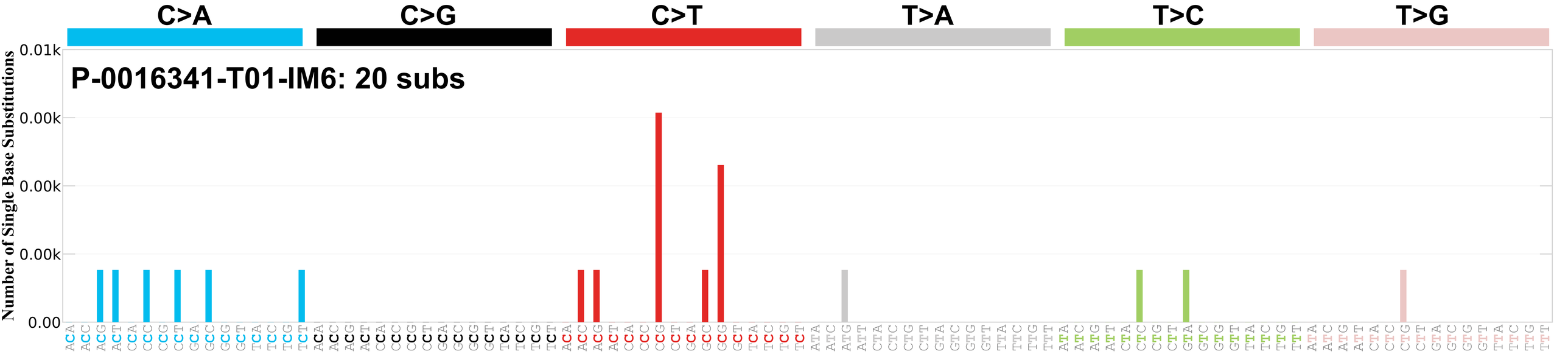
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0016341-T01-IM6: 20 subs
Number of Single Base Substitutions
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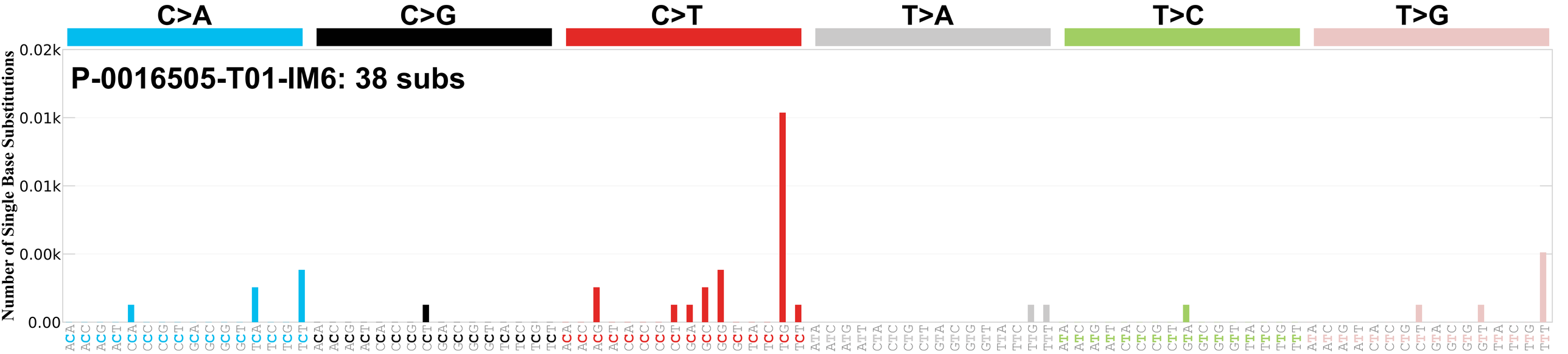
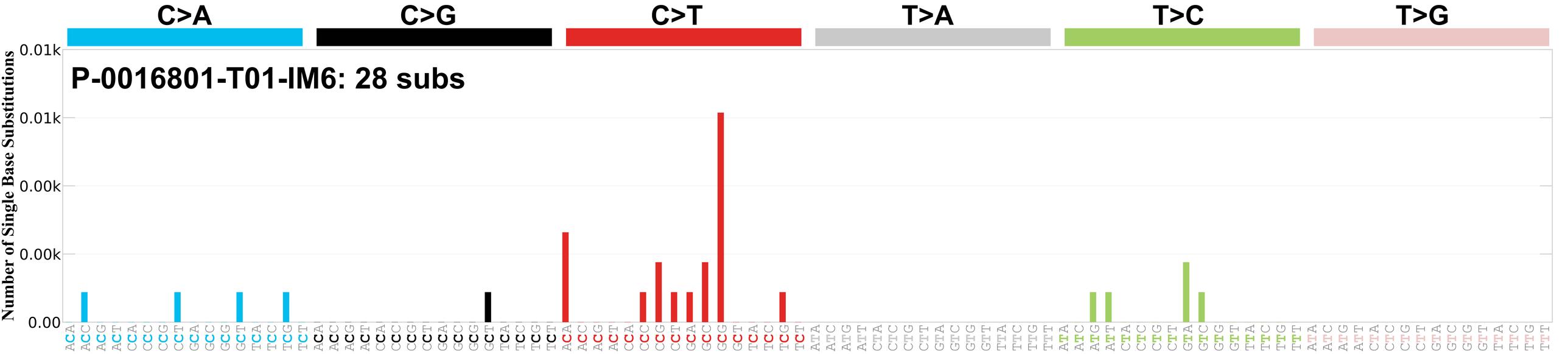
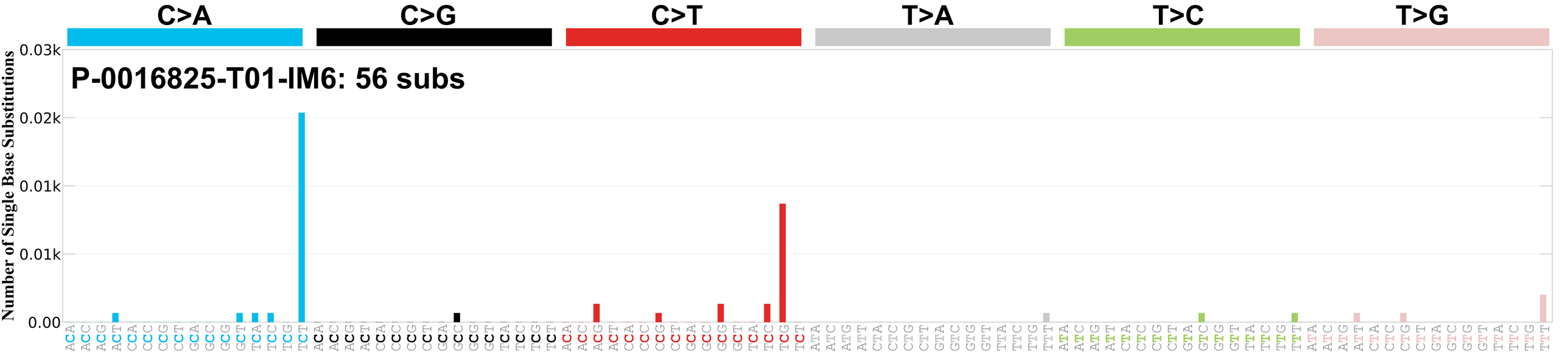
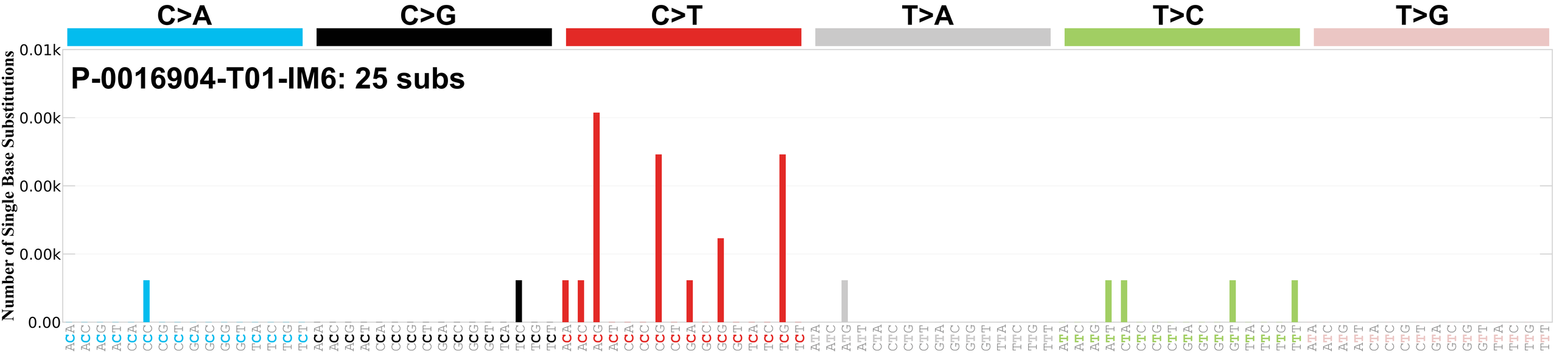
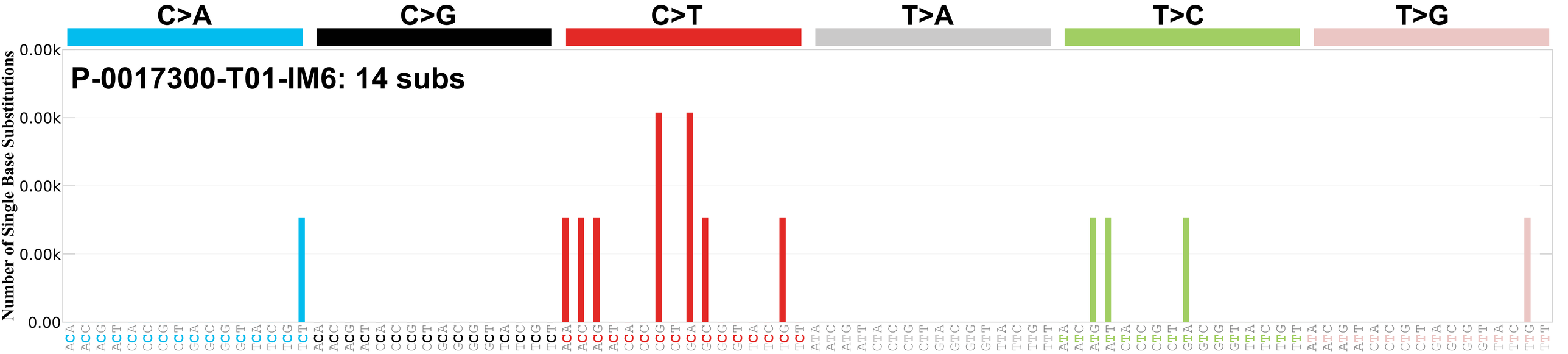
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

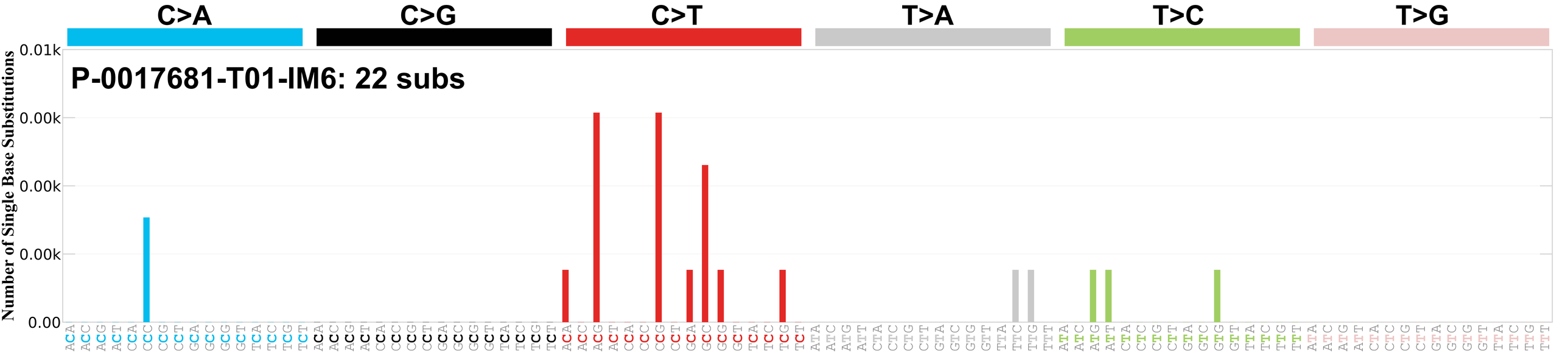

C>A
C>G
C>T
T>A
T>C
T>G
P-0016505-T01-IM6: 38 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

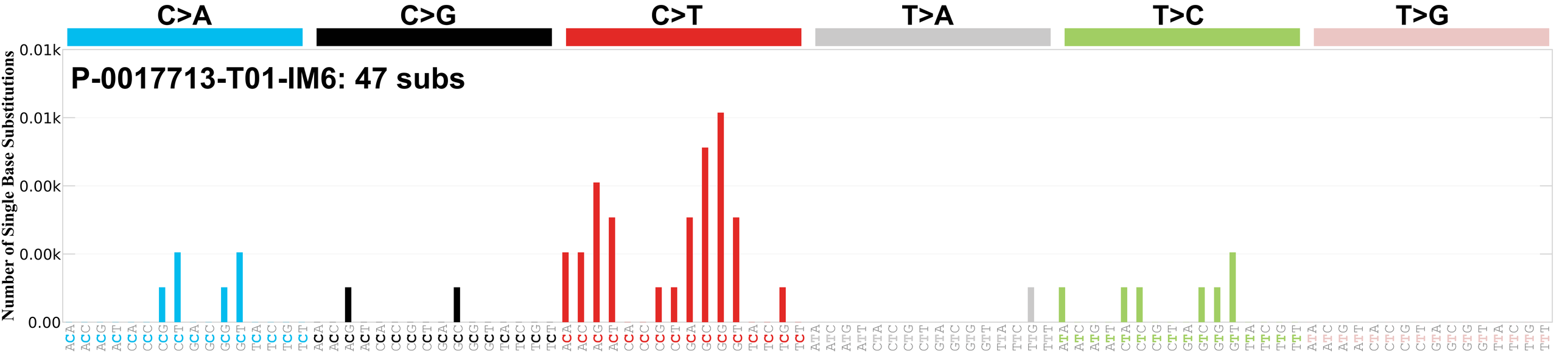

C>A
C>G
C>T
T>A
T>C
T>G
P-0016801-T01-IM6: 28 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

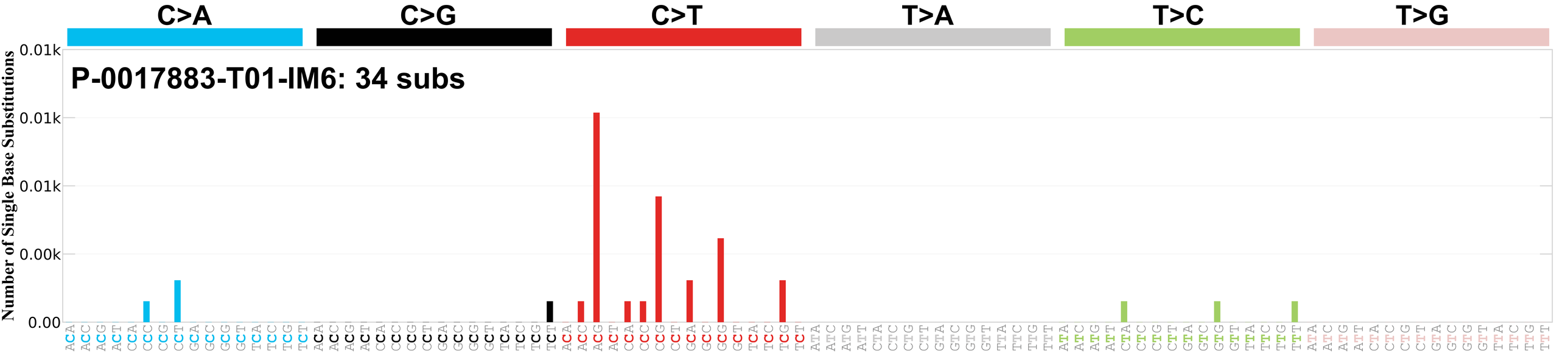

C>A
C>G
C>T
T>A
T>C
T>G
P-0016825-T01-IM6: 56 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0016904-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0017300-T01-IM6: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0017681-T01-IM6: 22 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0017713-T01-IM6: 47 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0017883-T01-IM6: 34 subs
Number of Single Base Substitutions
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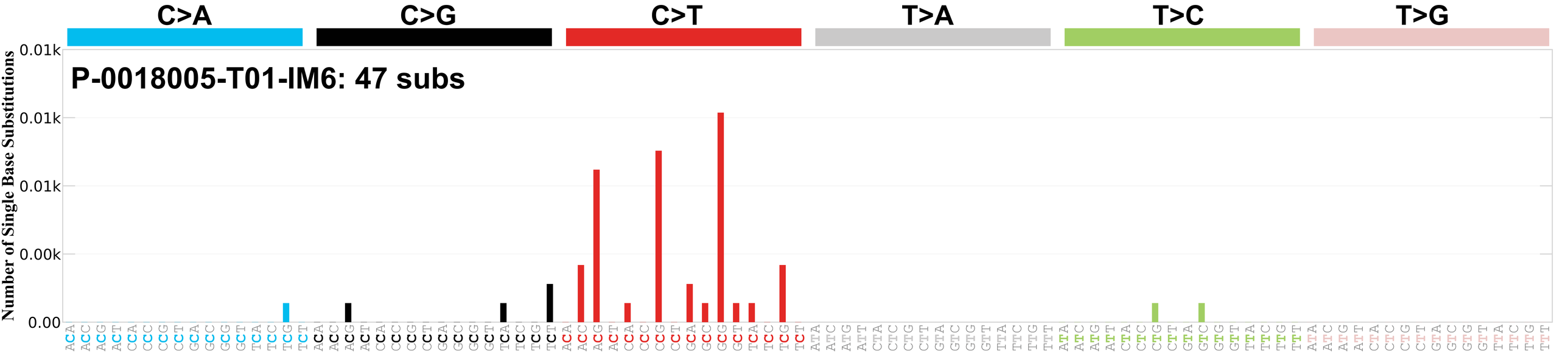
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0018005-T01-IM6: 47 subs
Number of Single Base Substitutions
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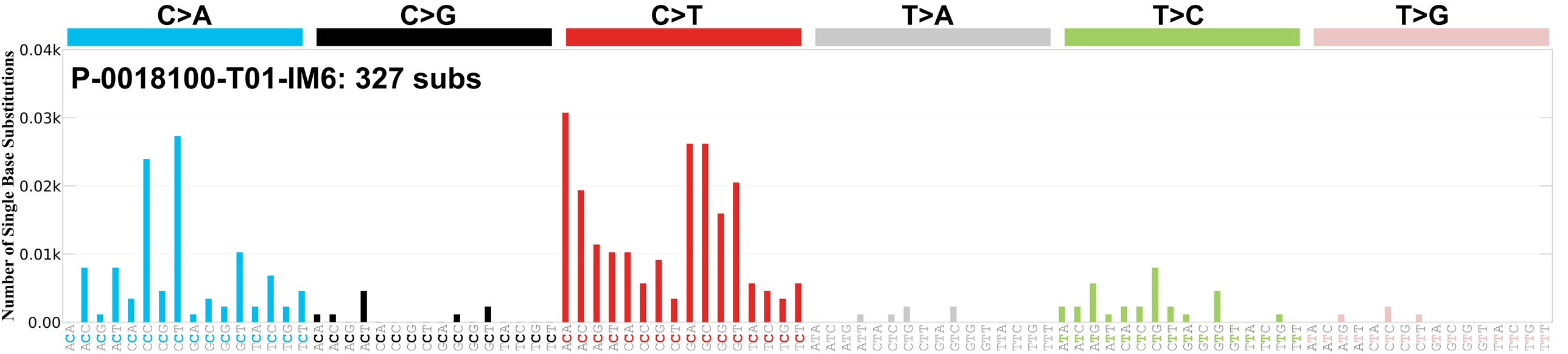
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0018100-T01-IM6: 327 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
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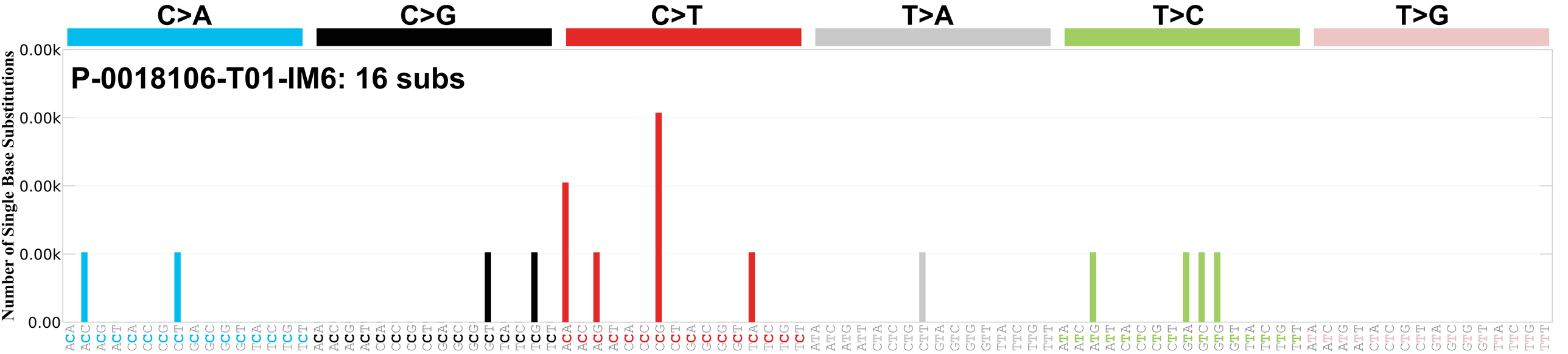
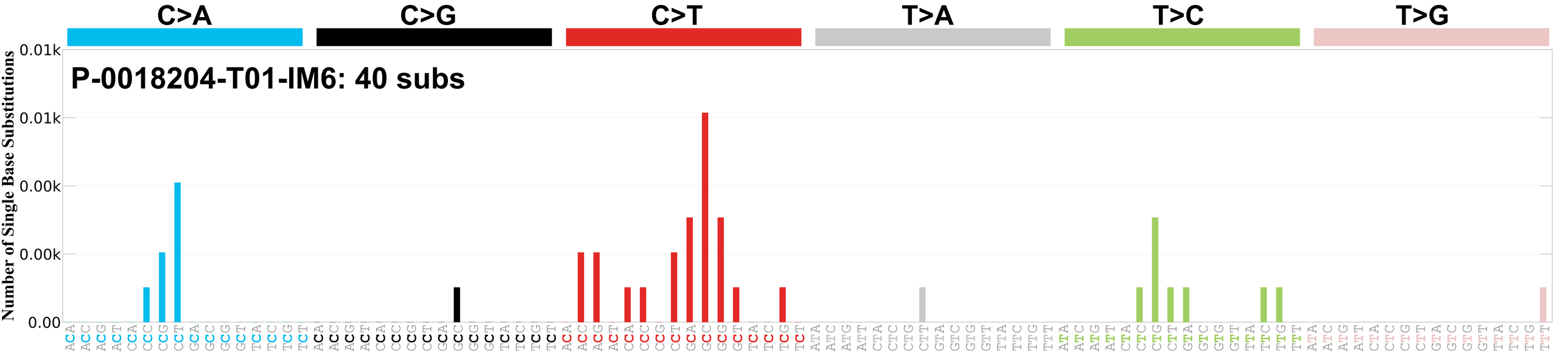

C>A
C>G
C>T
T>A
T>C
T>G
P-0018106-T01-IM6: 16 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0018204-T01-IM6: 40 subs
Number of Single Base Substitutions
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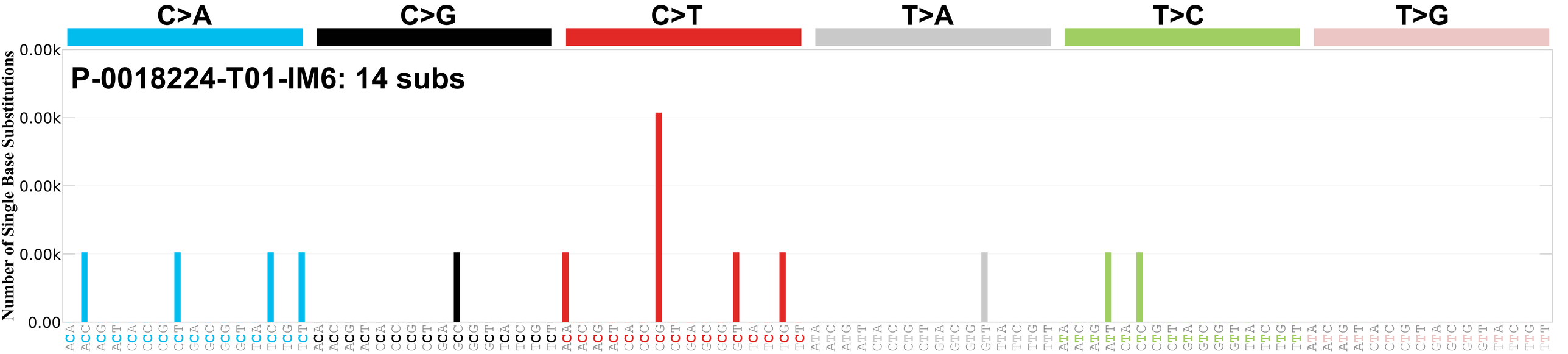
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0018224-T01-IM6: 14 subs
Number of Single Base Substitutions
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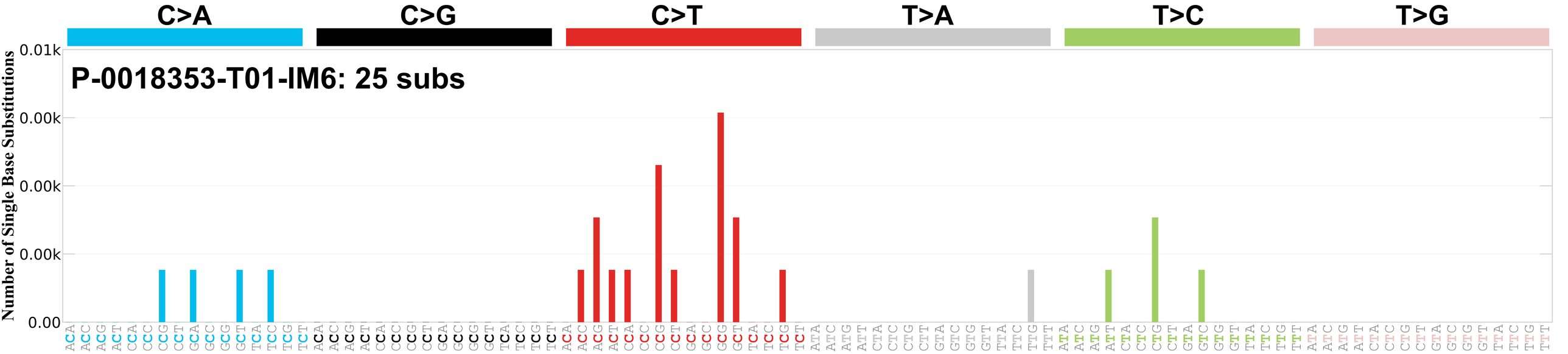
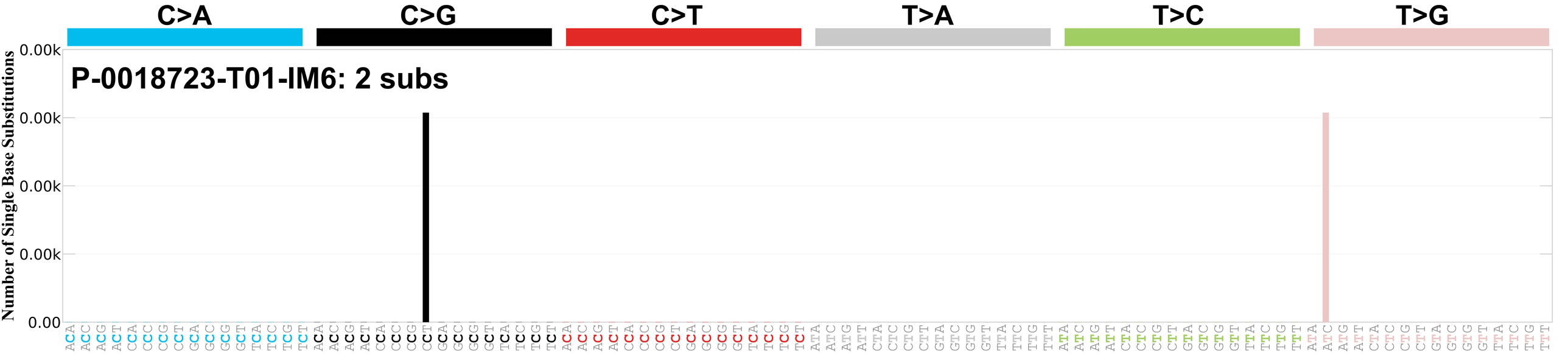
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0018353-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0018723-T01-IM6: 2 subs
Number of Single Base Substitutions
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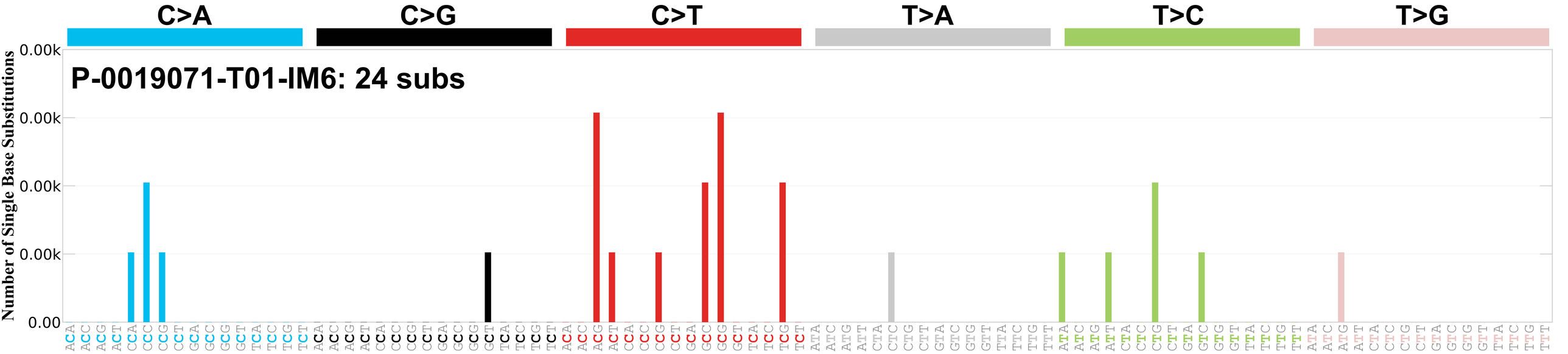
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0019071-T01-IM6: 24 subs
Number of Single Base Substitutions
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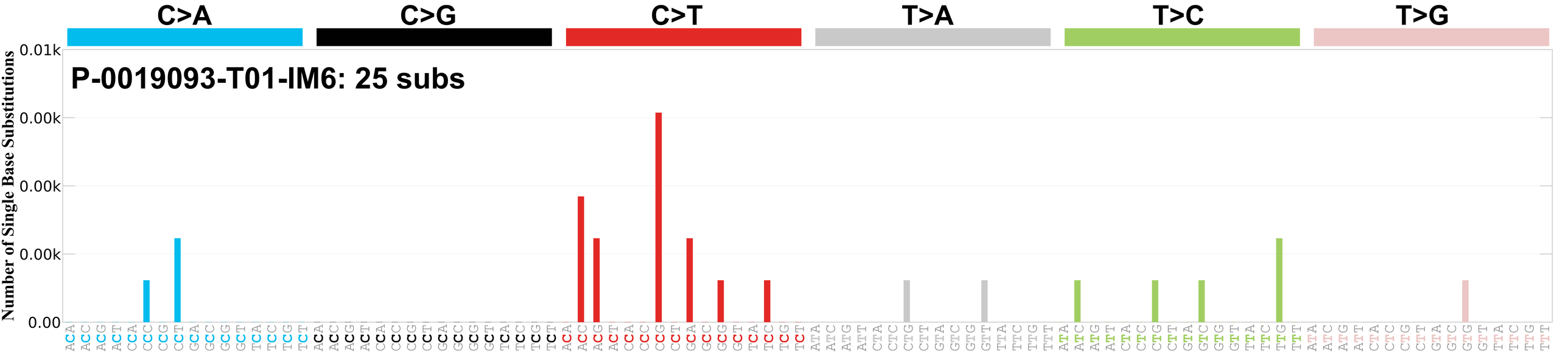
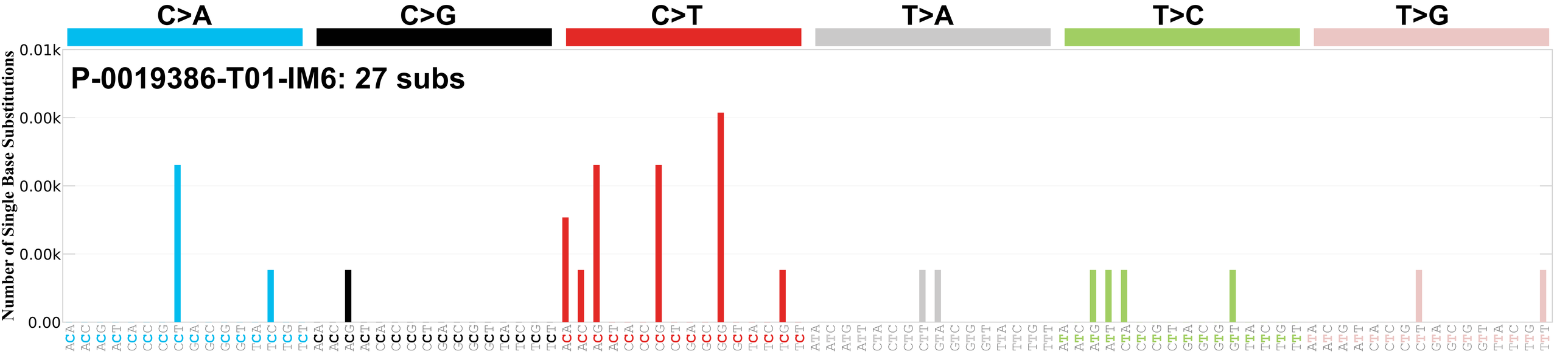
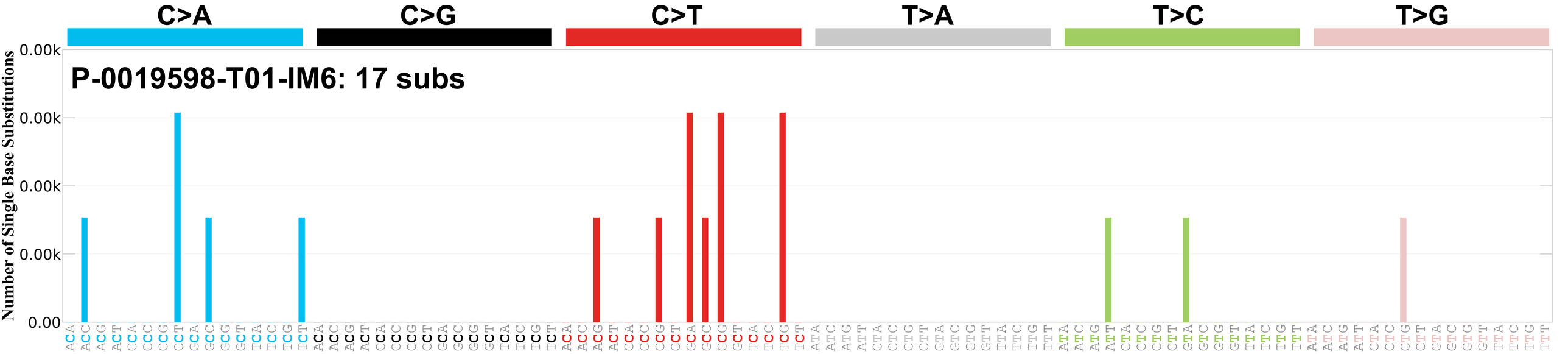
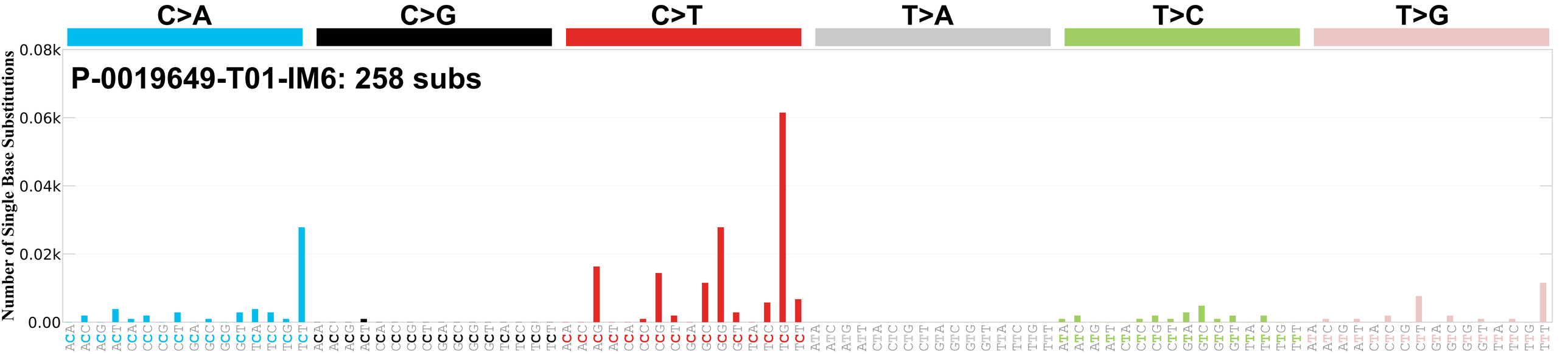
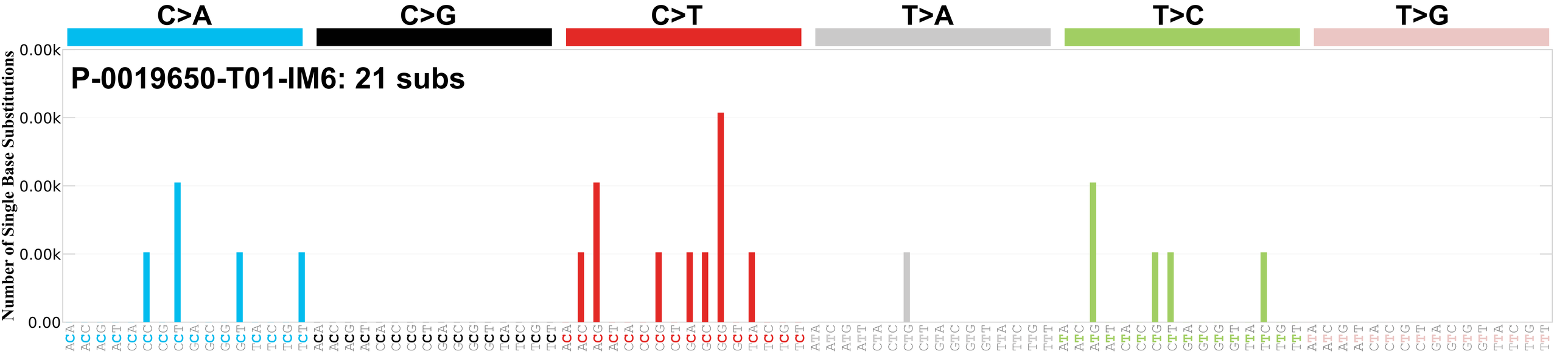
0.00k
0.00k
0.00k
0.00

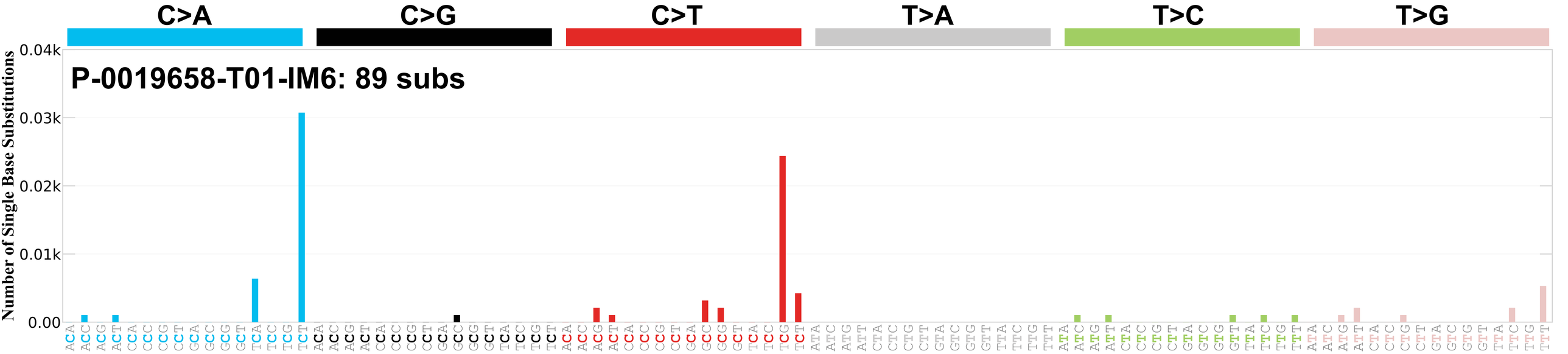

C>A
C>G
C>T
T>A
T>C
T>G
P-0019093-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

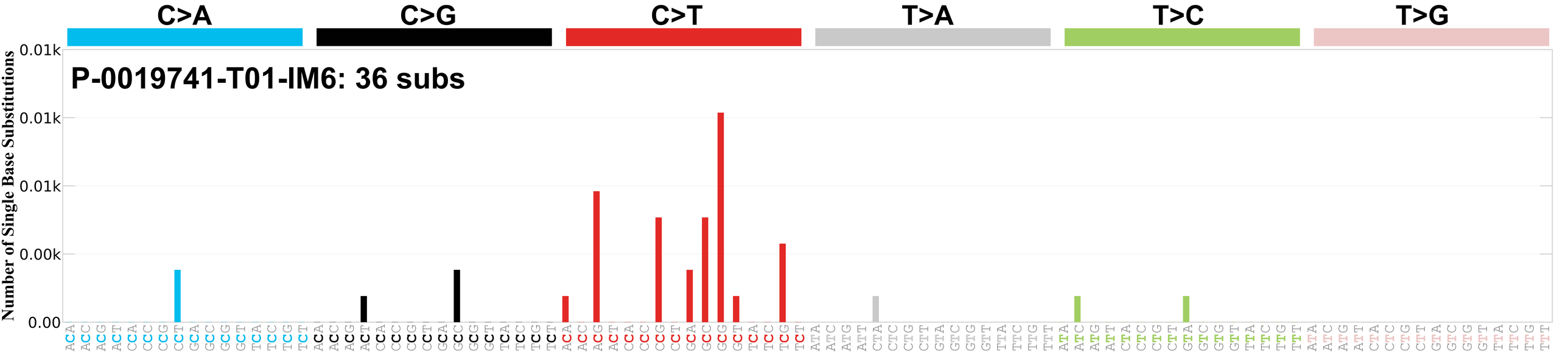

C>A
C>G
C>T
T>A
T>C
T>G
P-0019386-T01-IM6: 27 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

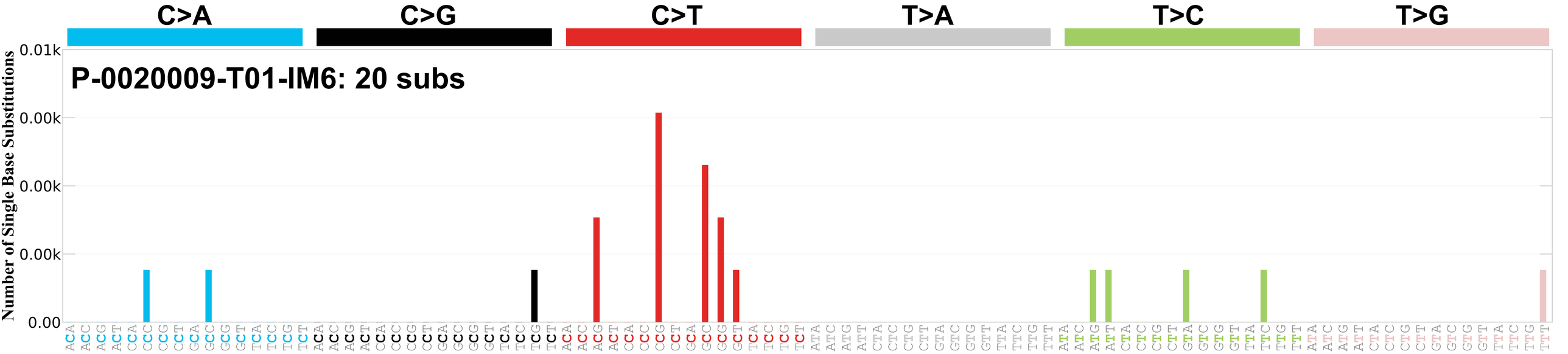

C>A
C>G
C>T
T>A
T>C
T>G
P-0019598-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

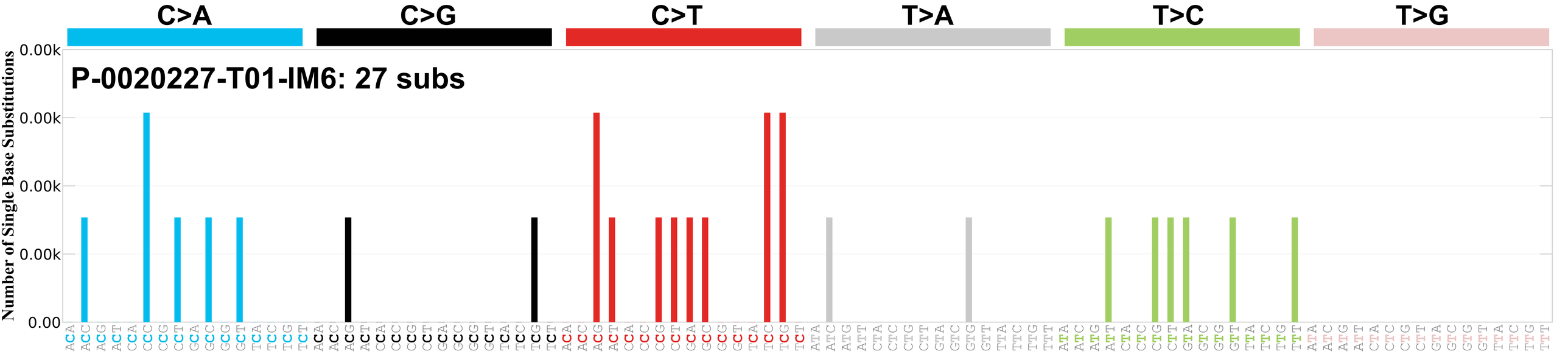

C>A
C>G
C>T
T>A
T>C
T>G
P-0019649-T01-IM6: 258 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

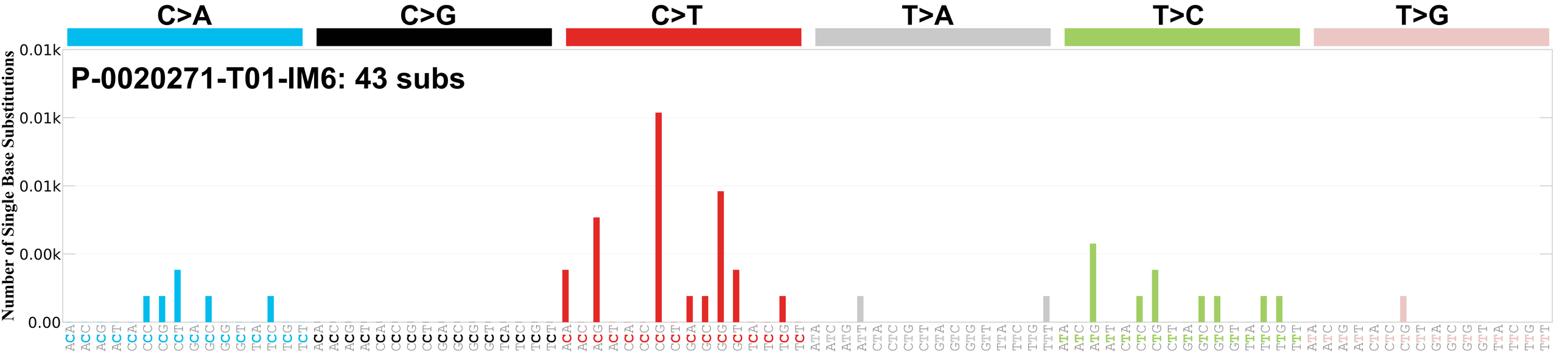

C>A
C>G
C>T
T>A
T>C
T>G
P-0019650-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

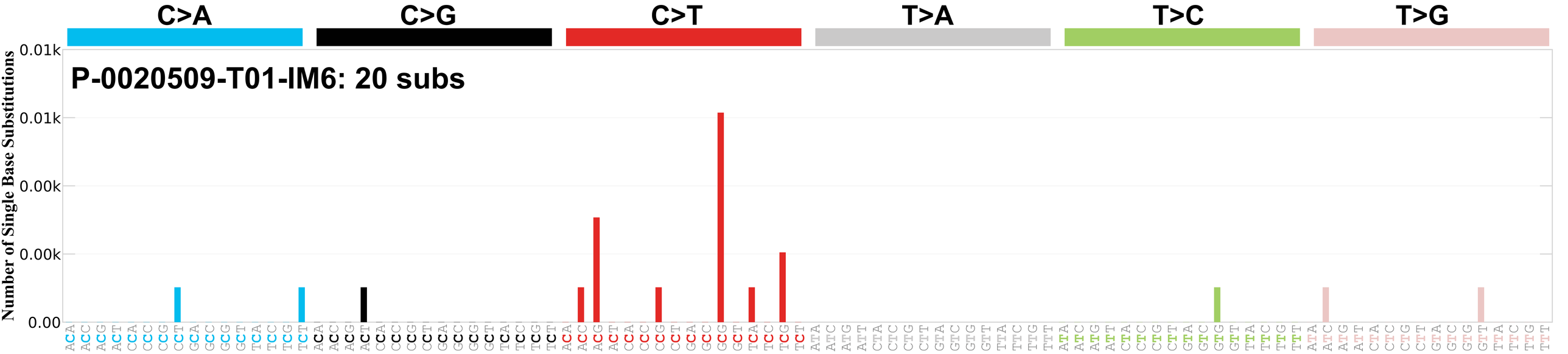

C>A
C>G
C>T
T>A
T>C
T>G
P-0019658-T01-IM6: 89 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

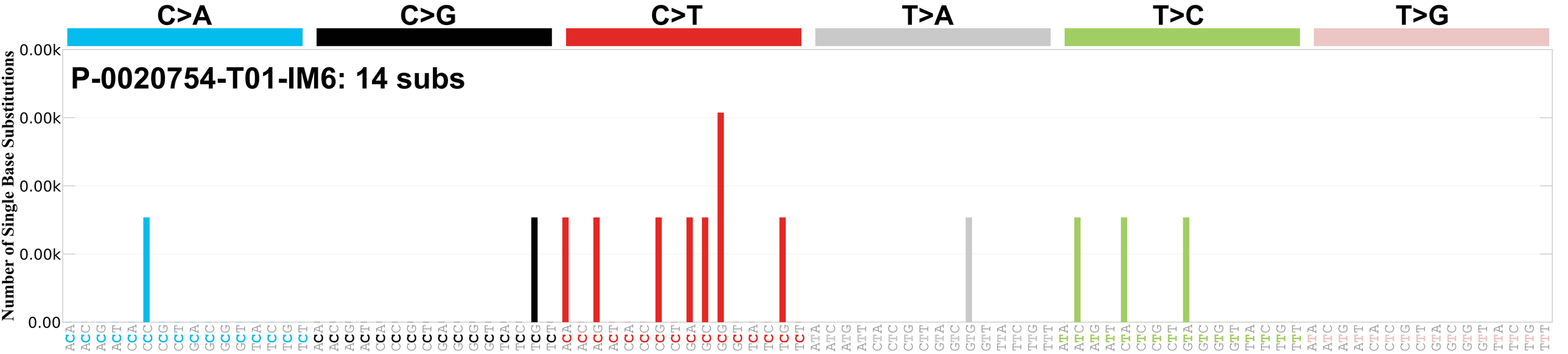

C>A
C>G
C>T
T>A
T>C
T>G
P-0019741-T01-IM6: 36 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

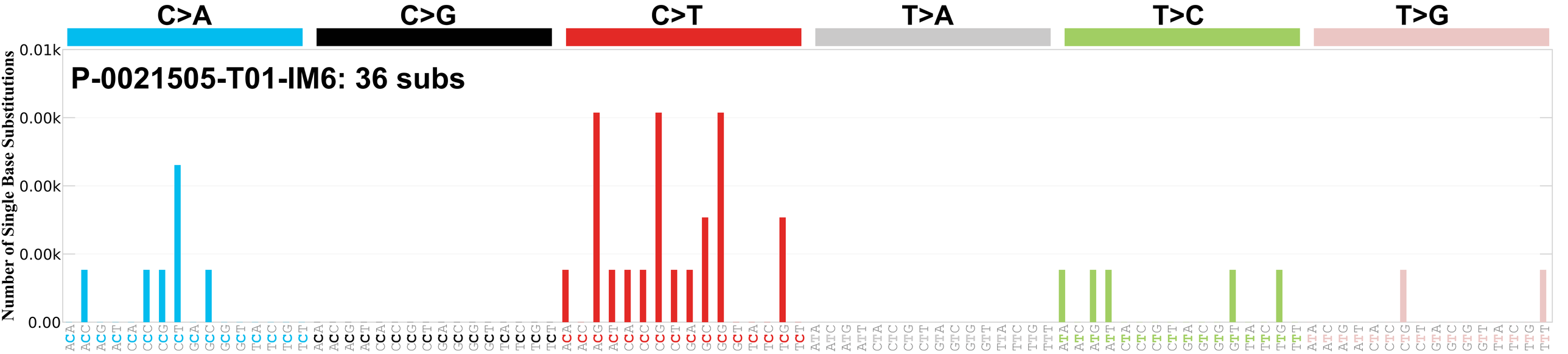

C>A
C>G
C>T
T>A
T>C
T>G
P-0020009-T01-IM6: 20 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

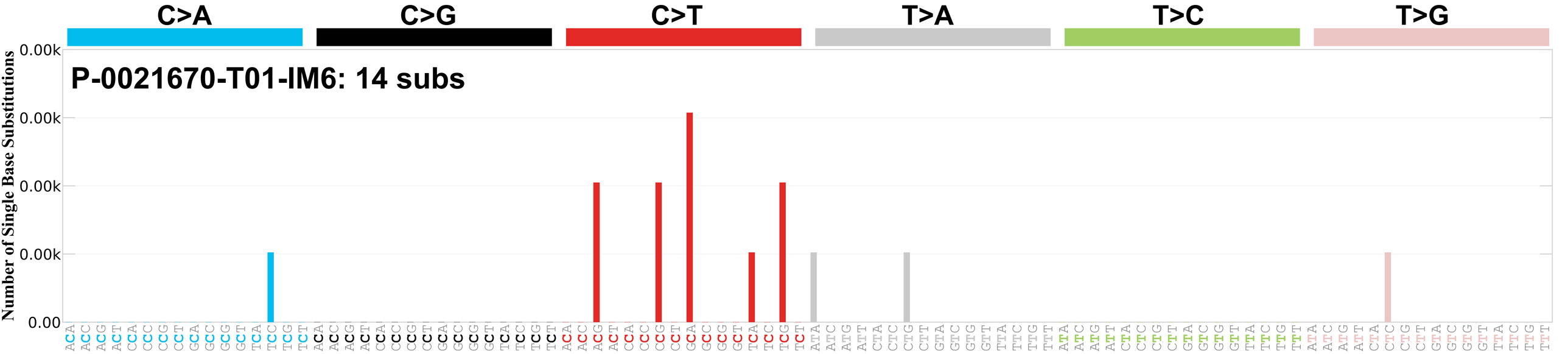

C>A
C>G
C>T
T>A
T>C
T>G
P-0020227-T01-IM6: 27 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

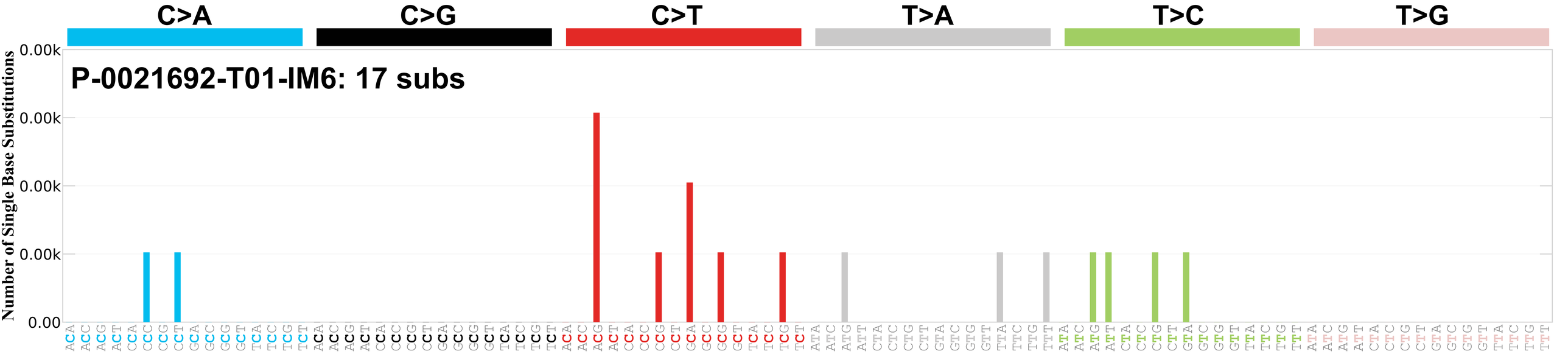

C>A
C>G
C>T
T>A
T>C
T>G
P-0020271-T01-IM6: 43 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

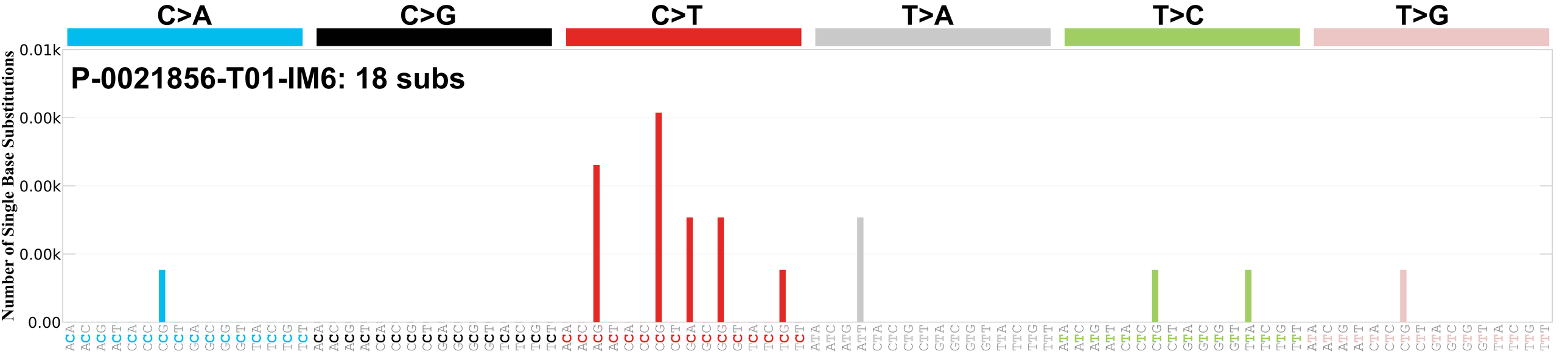

C>A
C>G
C>T
T>A
T>C
T>G
P-0020509-T01-IM6: 20 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

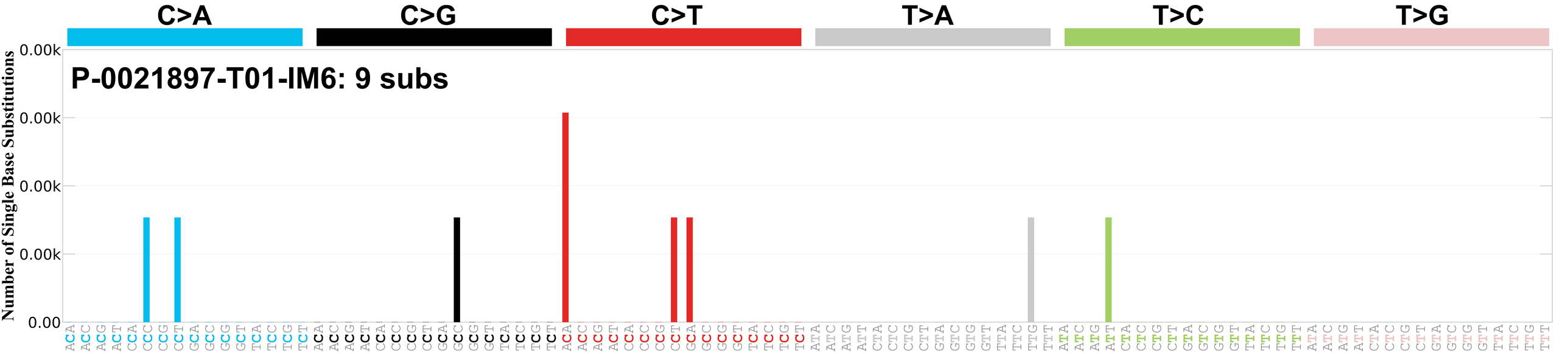

C>A
C>G
C>T
T>A
T>C
T>G
P-0020754-T01-IM6: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0021505-T01-IM6: 36 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0021670-T01-IM6: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0021692-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0021856-T01-IM6: 18 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0021897-T01-IM6: 9 subs
Number of Single Base Substitutions
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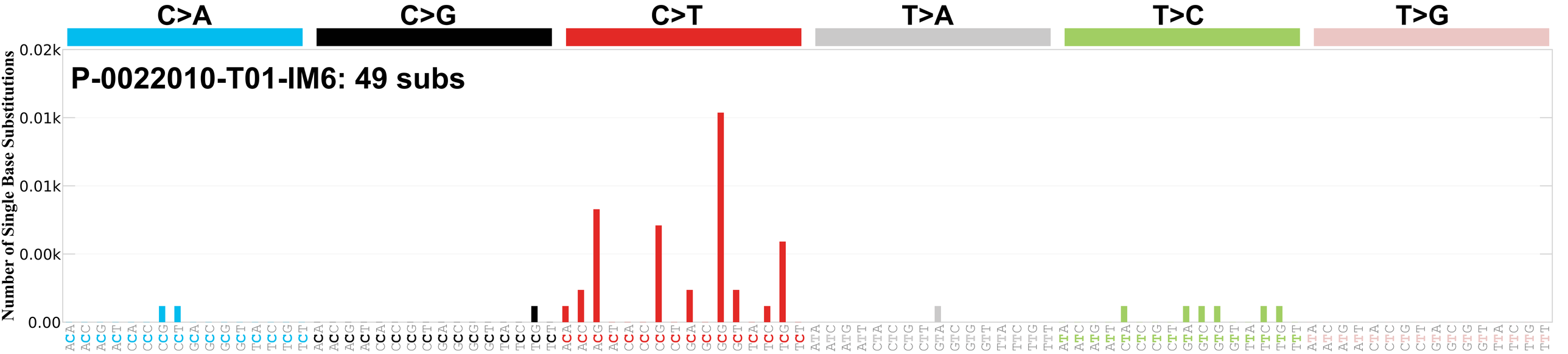
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0022010-T01-IM6: 49 subs
Number of Single Base Substitutions
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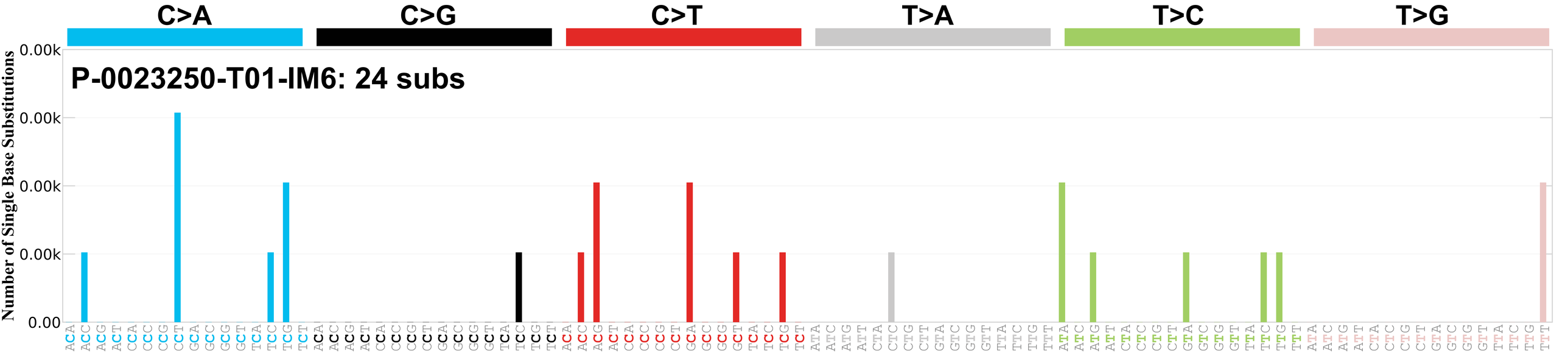
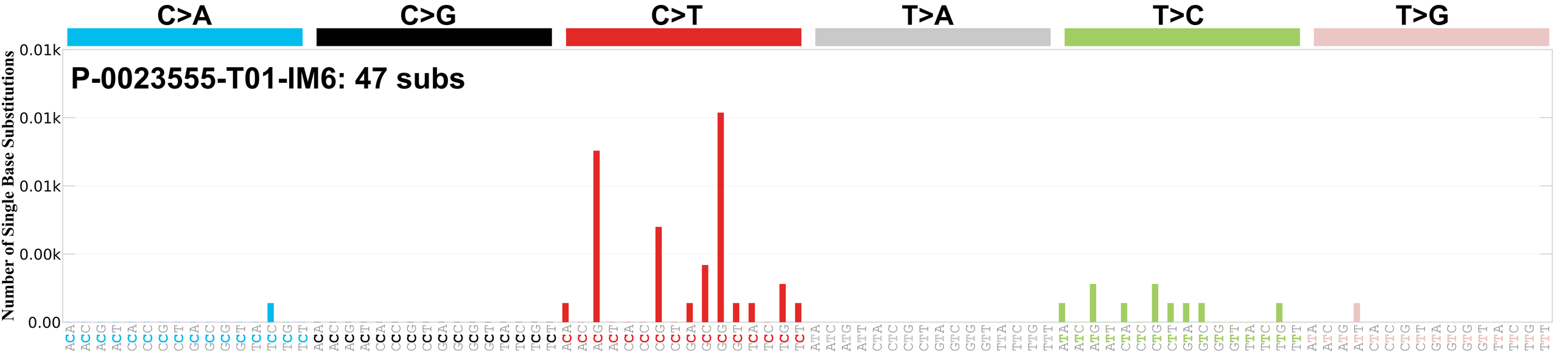
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0023250-T01-IM6: 24 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0023555-T01-IM6: 47 subs
Number of Single Base Substitutions
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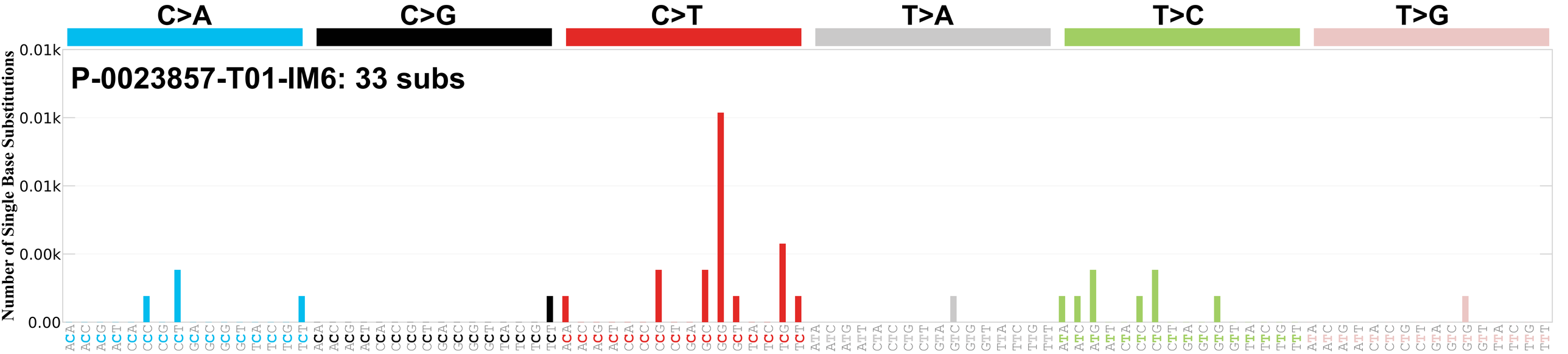
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0023857-T01-IM6: 33 subs
Number of Single Base Substitutions
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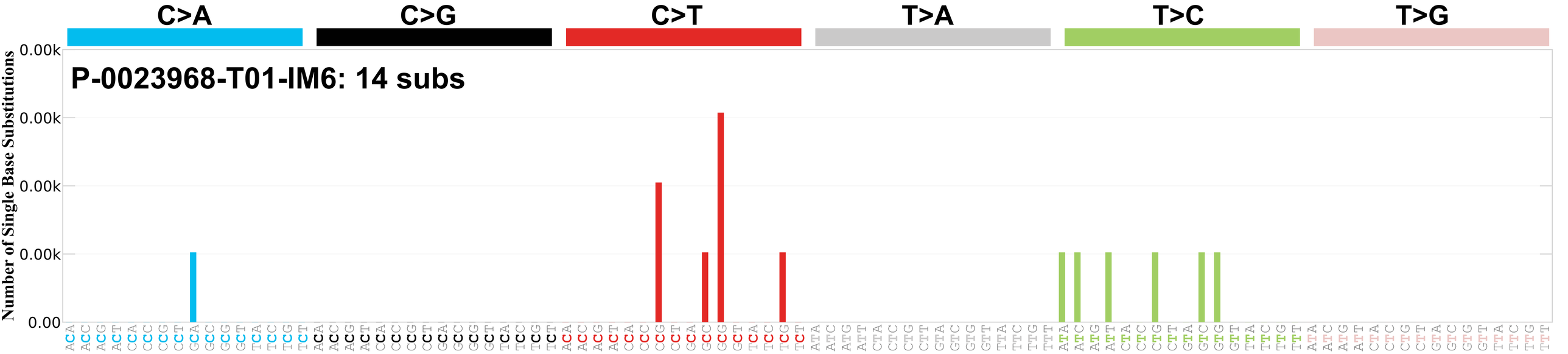
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0023968-T01-IM6: 14 subs
Number of Single Base Substitutions
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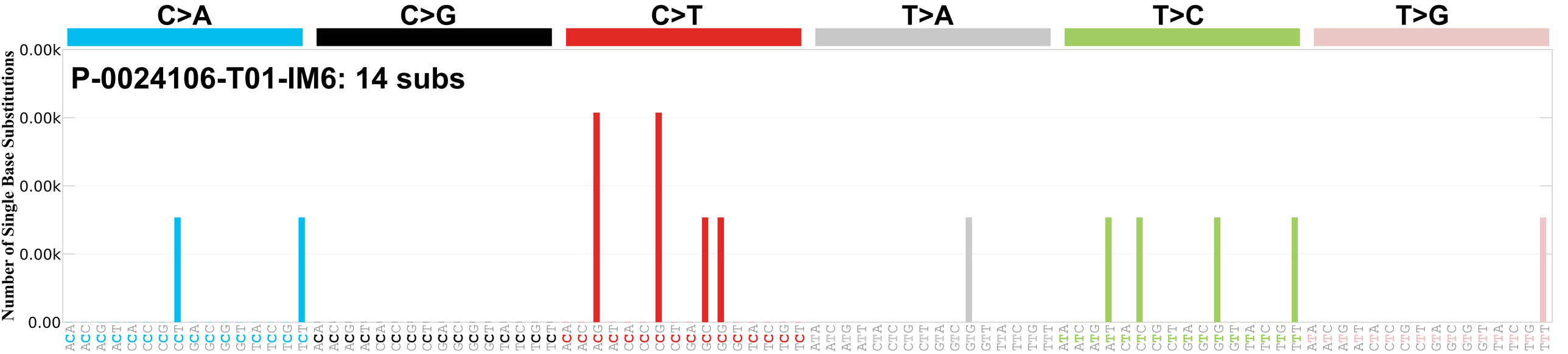
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0024106-T01-IM6: 14 subs
Number of Single Base Substitutions
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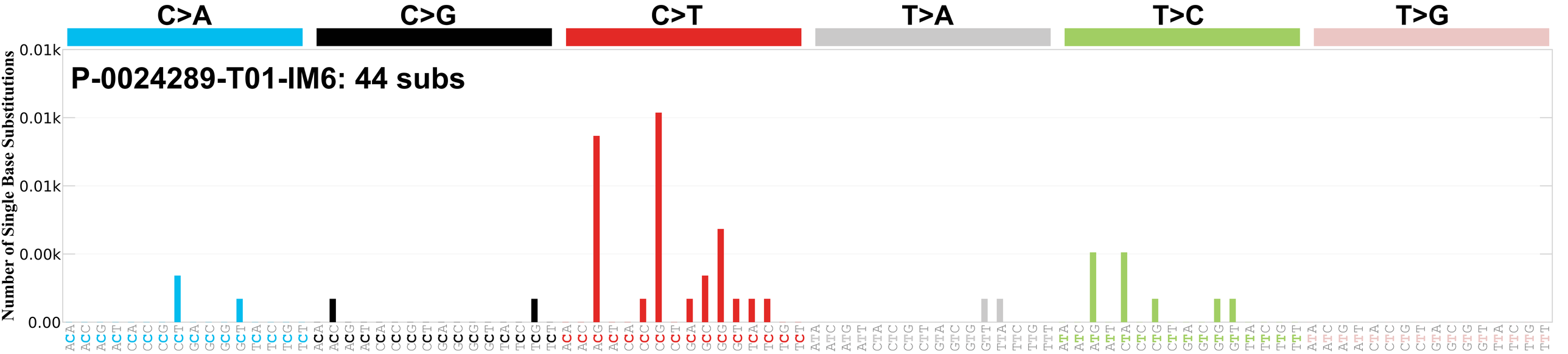
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0024289-T01-IM6: 44 subs
Number of Single Base Substitutions
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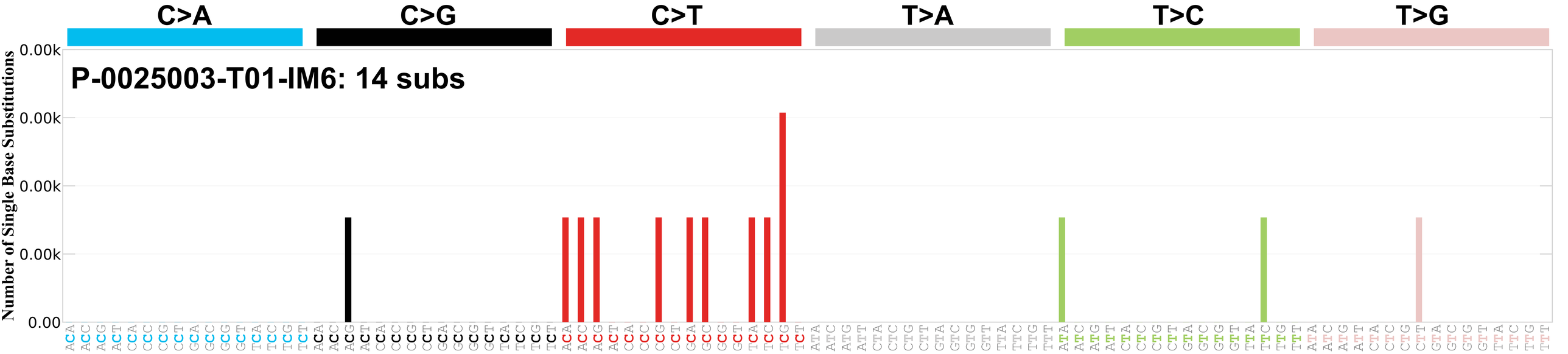
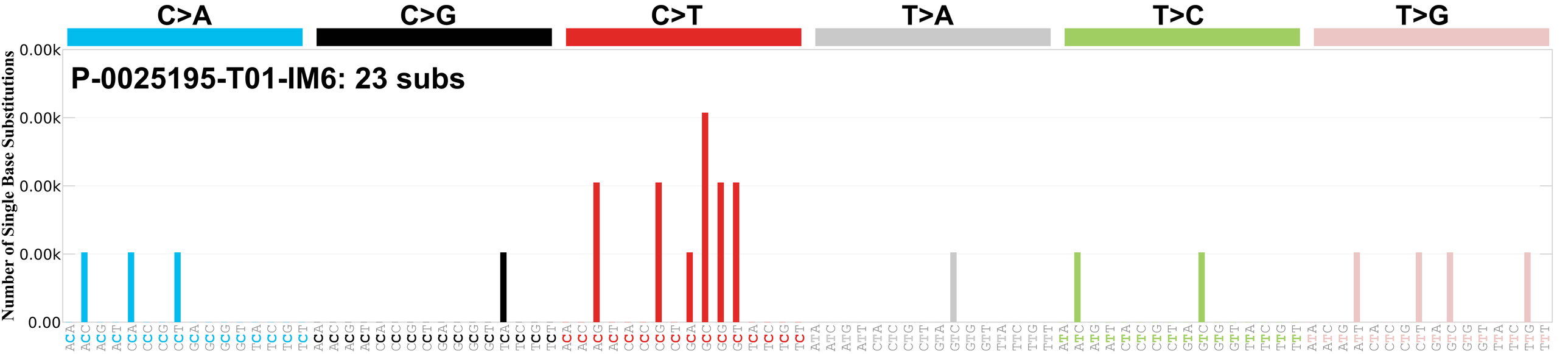
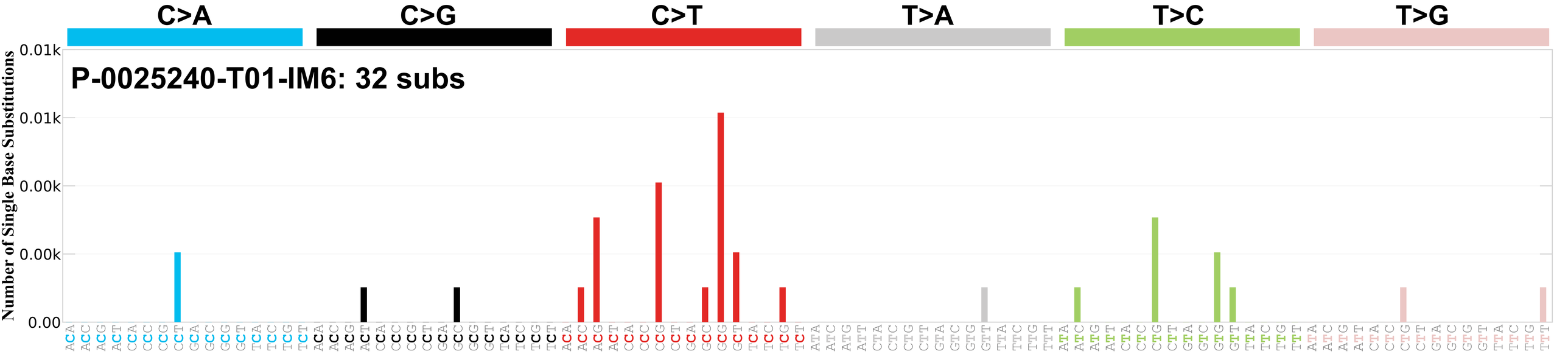
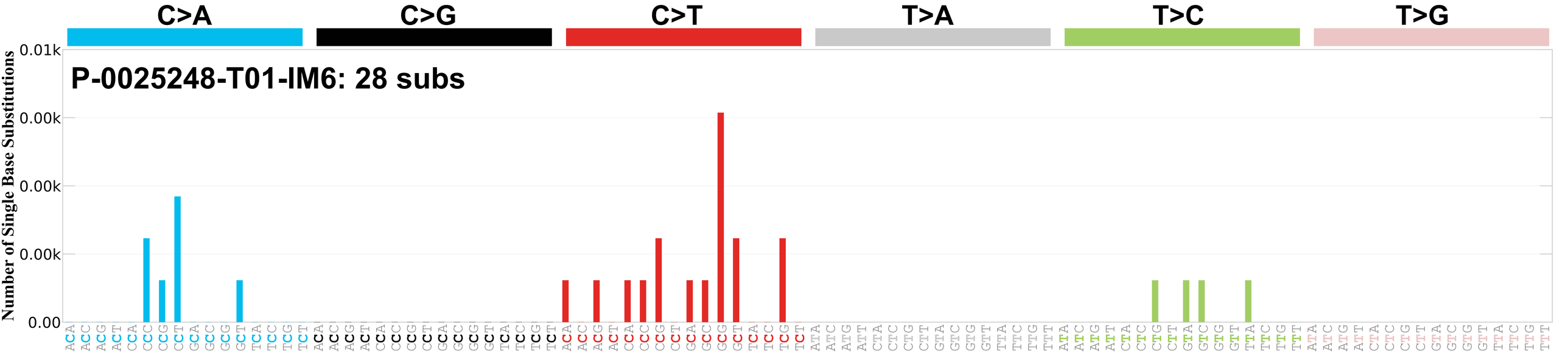
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0025003-T01-IM6: 14 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0025195-T01-IM6: 23 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0025240-T01-IM6: 32 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0025248-T01-IM6: 28 subs
Number of Single Base Substitutions
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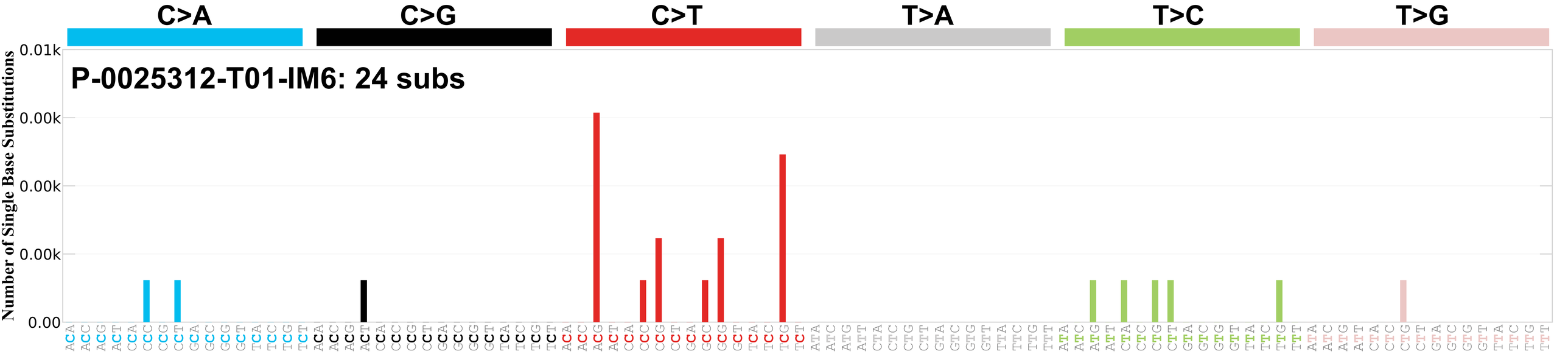
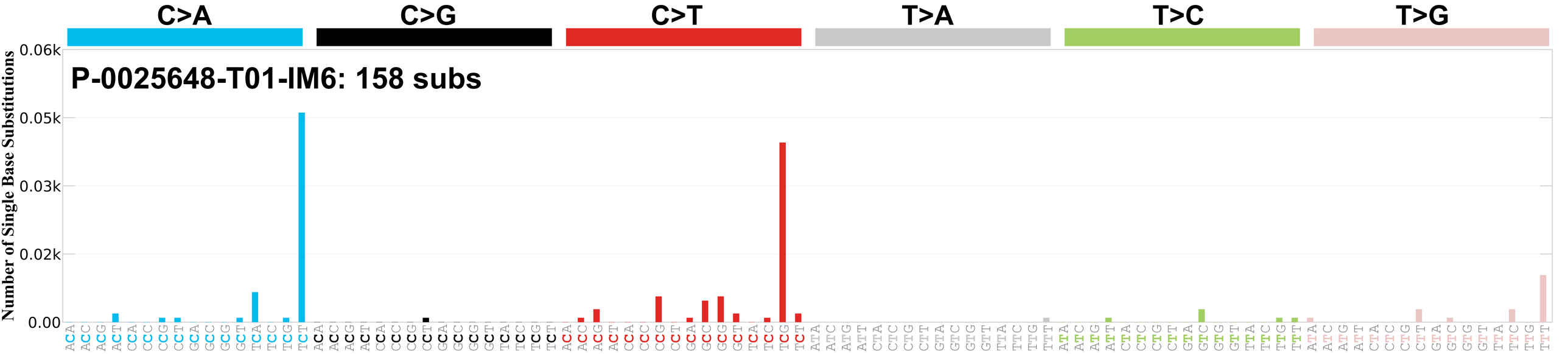
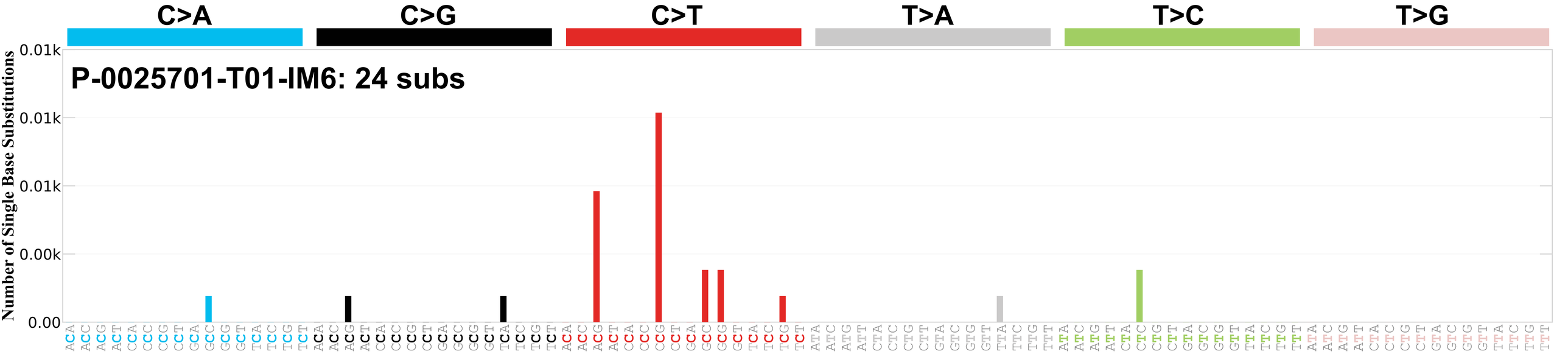
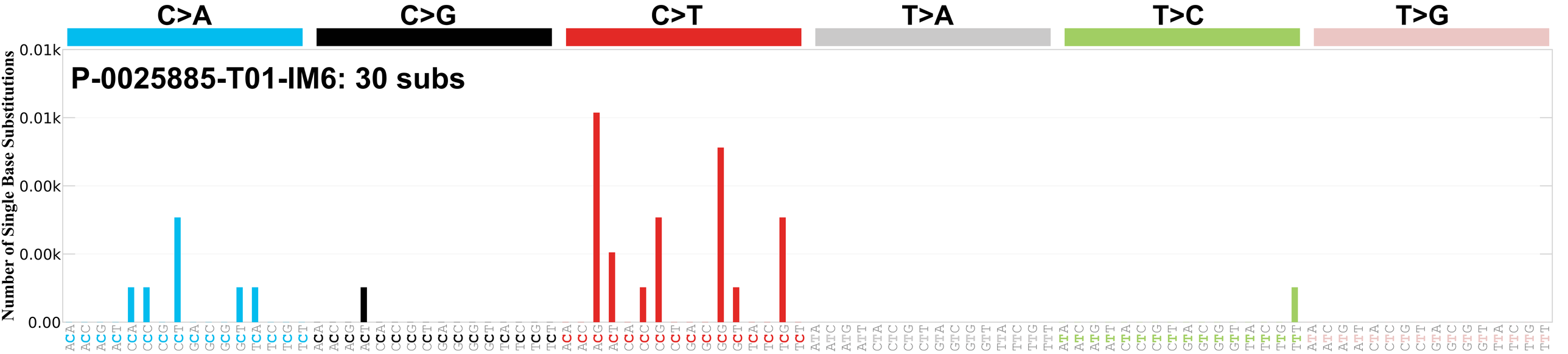
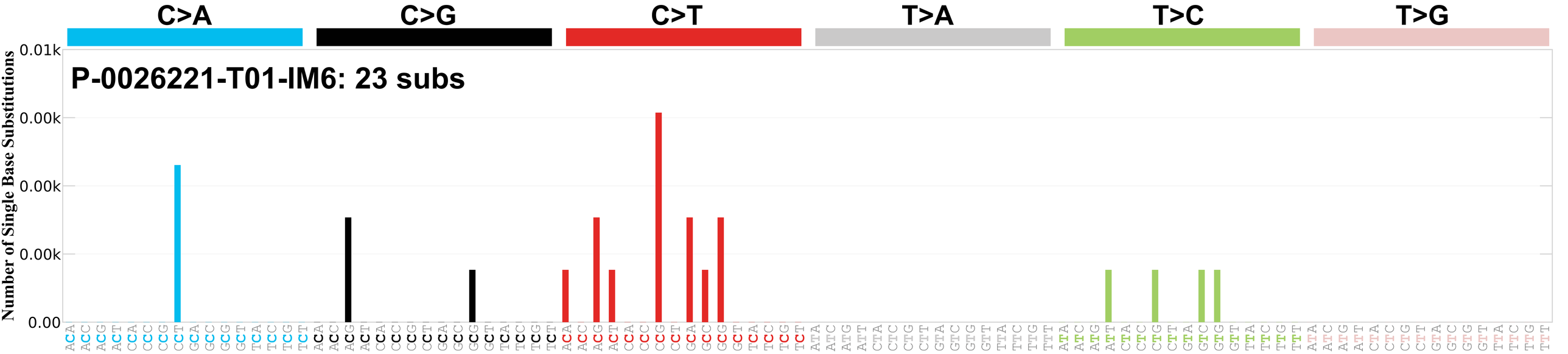
0.00k
0.00k
0.00k
0.00

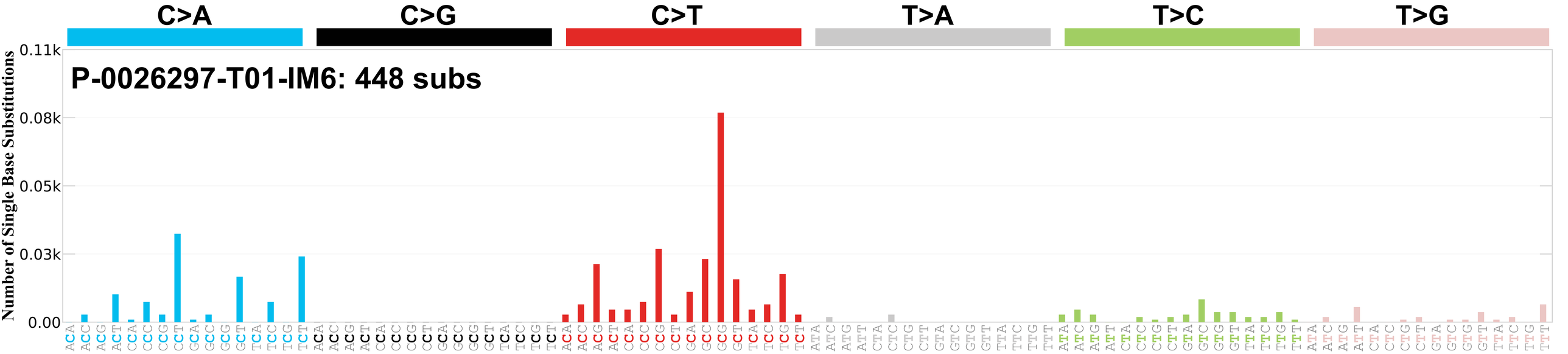

C>A
C>G
C>T
T>A
T>C
T>G
P-0025312-T01-IM6: 24 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

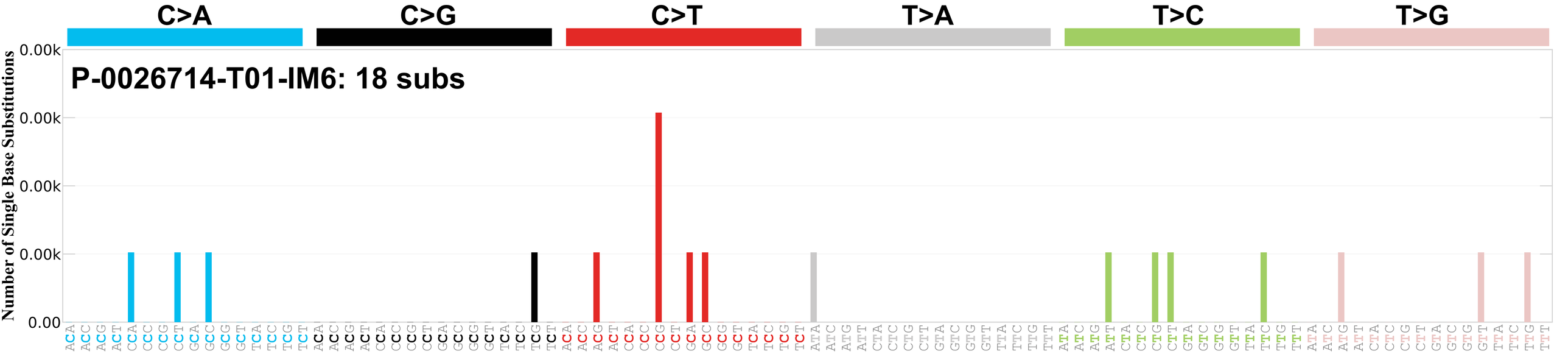

C>A
C>G
C>T
T>A
T>C
T>G
P-0025648-T01-IM6: 158 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

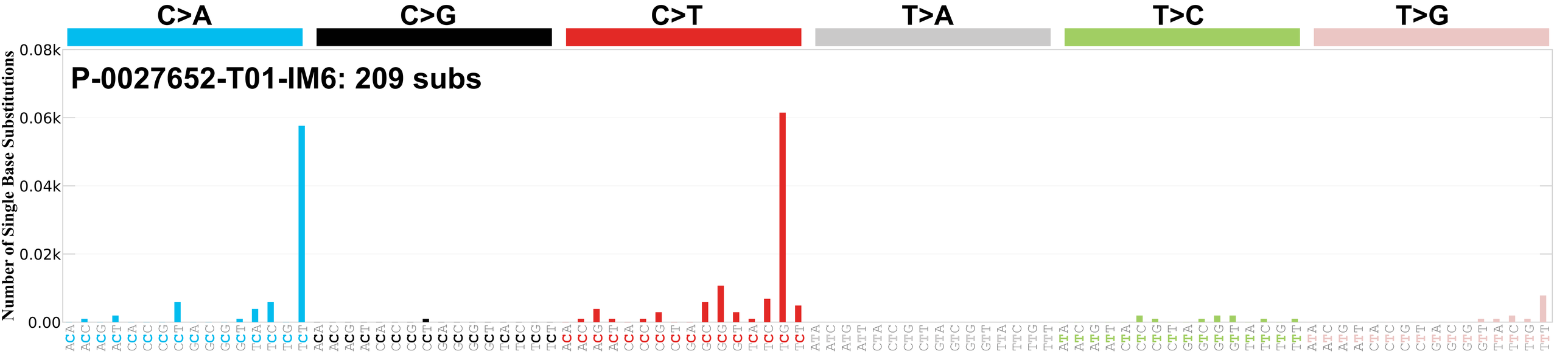

C>A
C>G
C>T
T>A
T>C
T>G
P-0025701-T01-IM6: 24 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

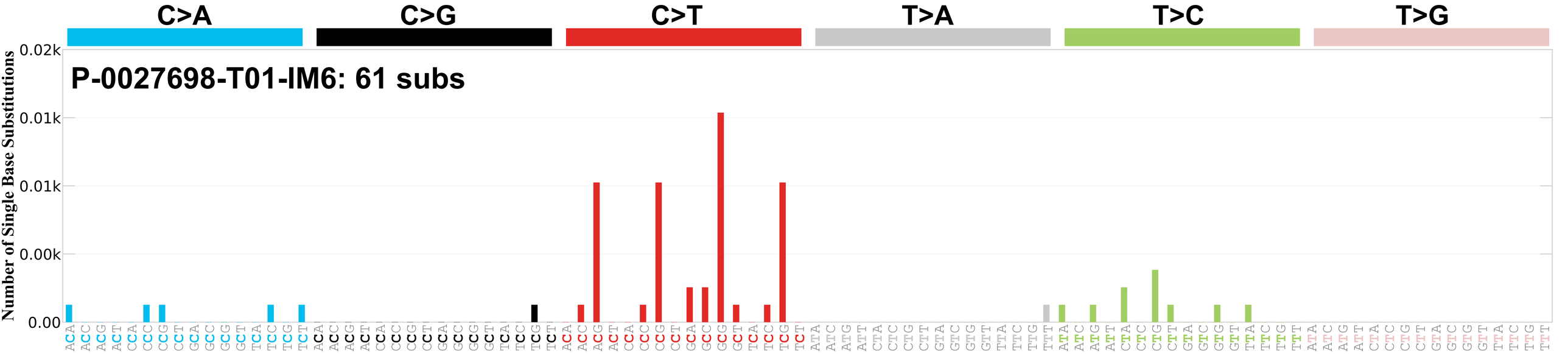

C>A
C>G
C>T
T>A
T>C
T>G
P-0025885-T01-IM6: 30 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

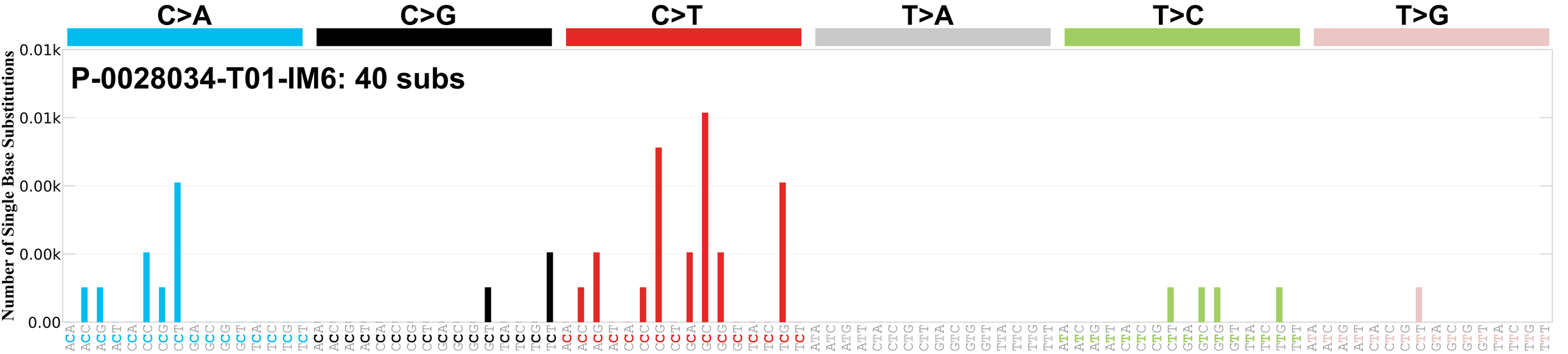

C>A
C>G
C>T
T>A
T>C
T>G
P-0026221-T01-IM6: 23 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

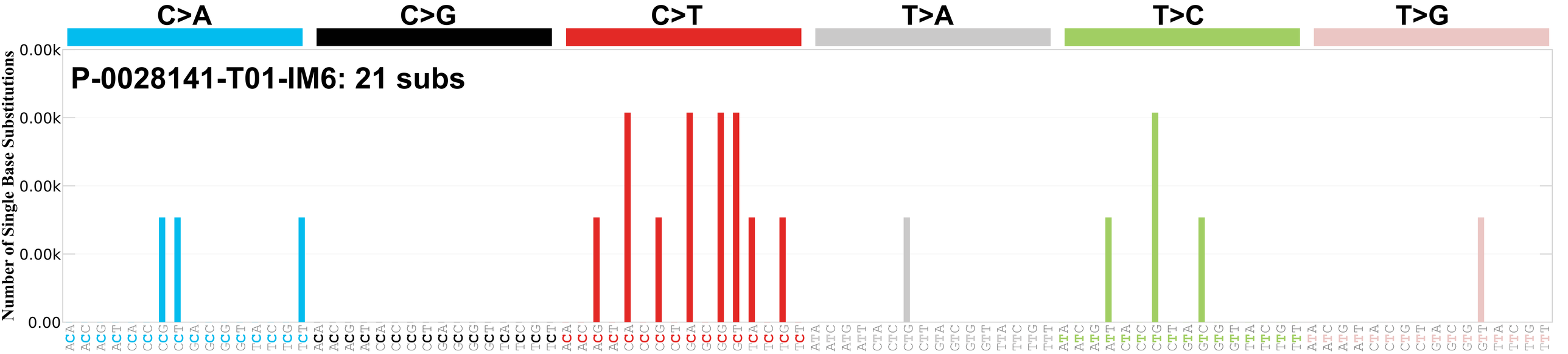

C>A
C>G
C>T
T>A
T>C
T>G
P-0026297-T01-IM6: 448 subs
Number of Single Base Substitutions
0.11k
0.08k
0.05k
0.03k
0.00

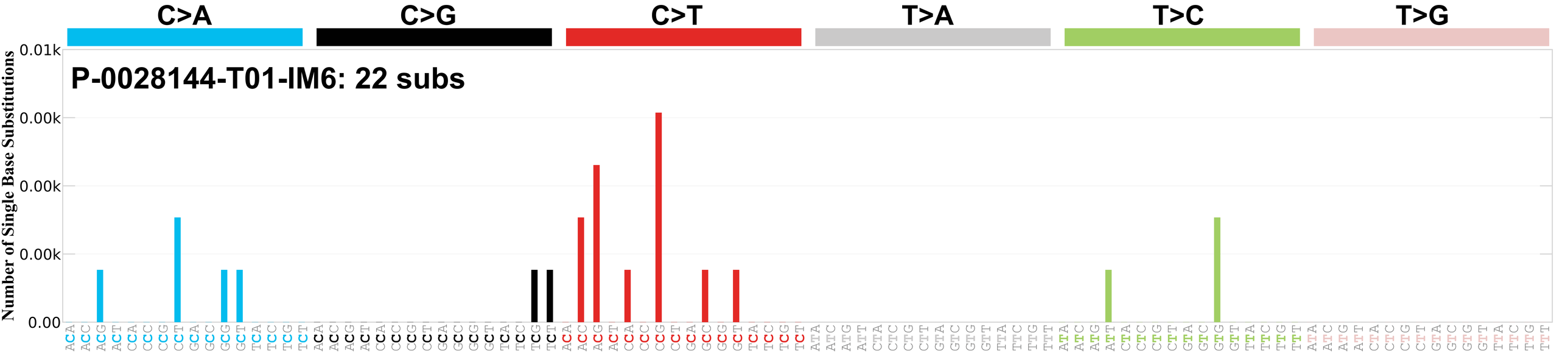

C>A
C>G
C>T
T>A
T>C
T>G
P-0026714-T01-IM6: 18 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

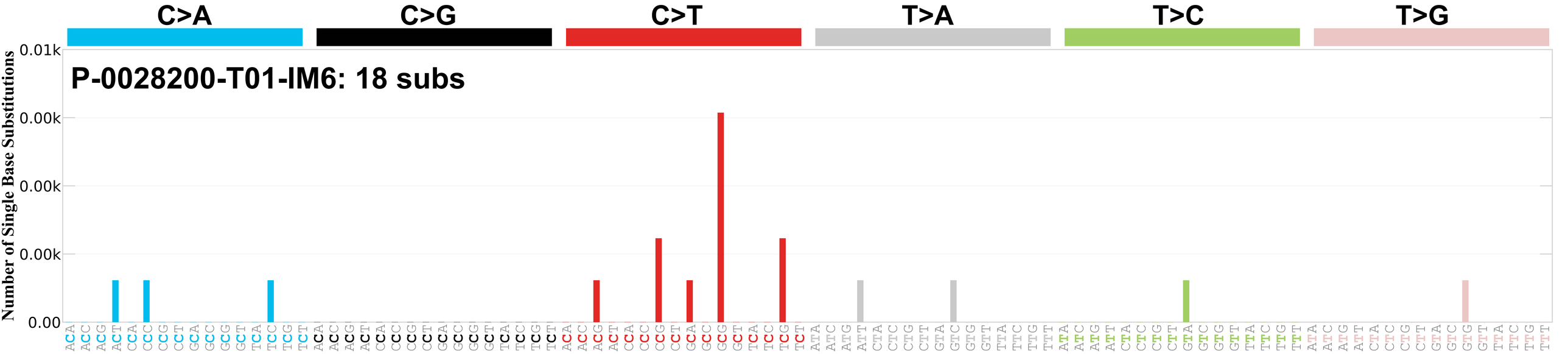

C>A
C>G
C>T
T>A
T>C
T>G
P-0027652-T01-IM6: 209 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

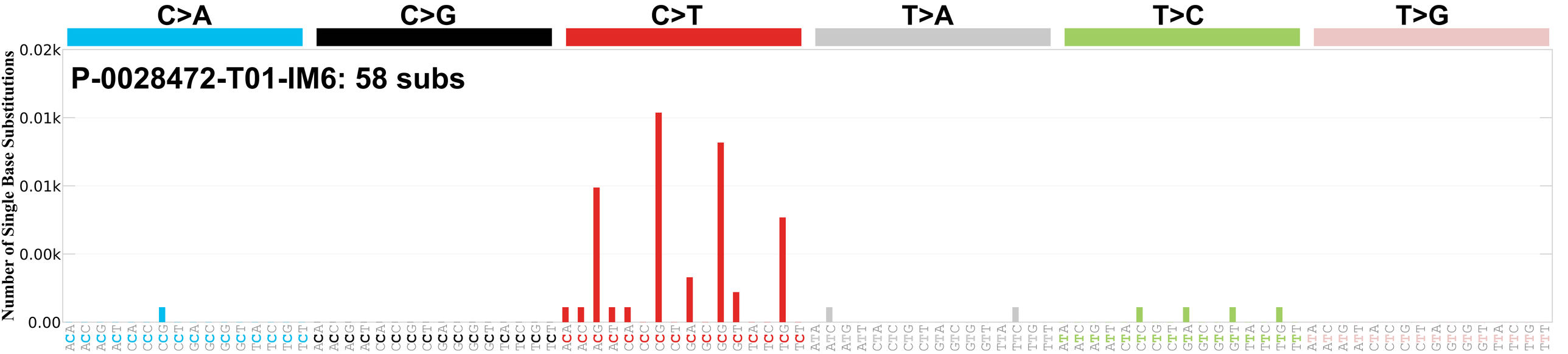

C>A
C>G
C>T
T>A
T>C
T>G
P-0027698-T01-IM6: 61 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

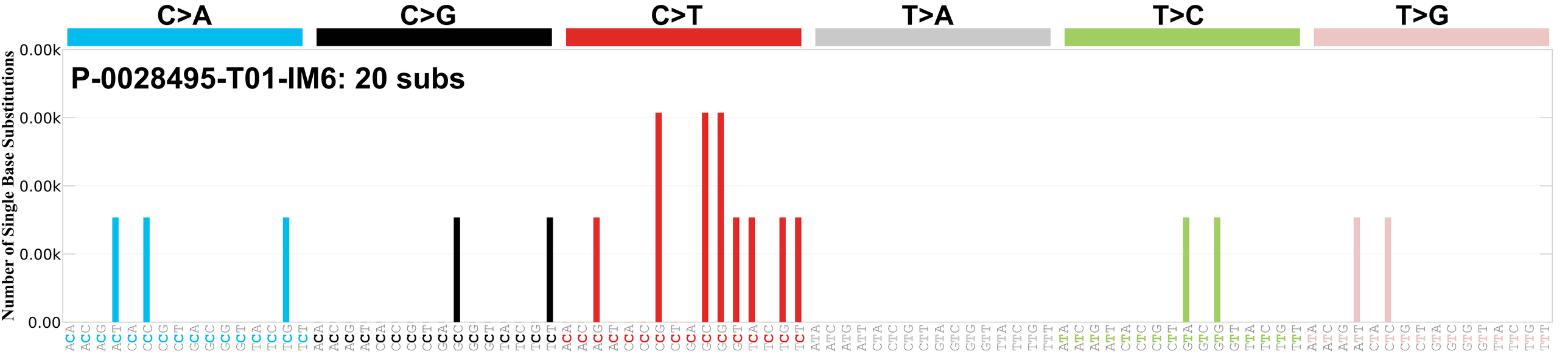

C>A
C>G
C>T
T>A
T>C
T>G
P-0028034-T01-IM6: 40 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

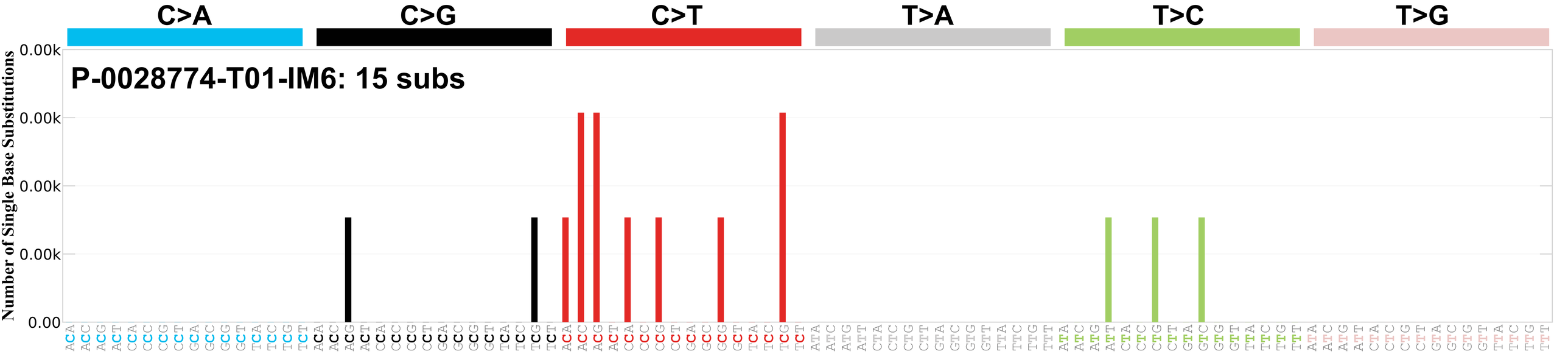

C>A
C>G
C>T
T>A
T>C
T>G
P-0028141-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

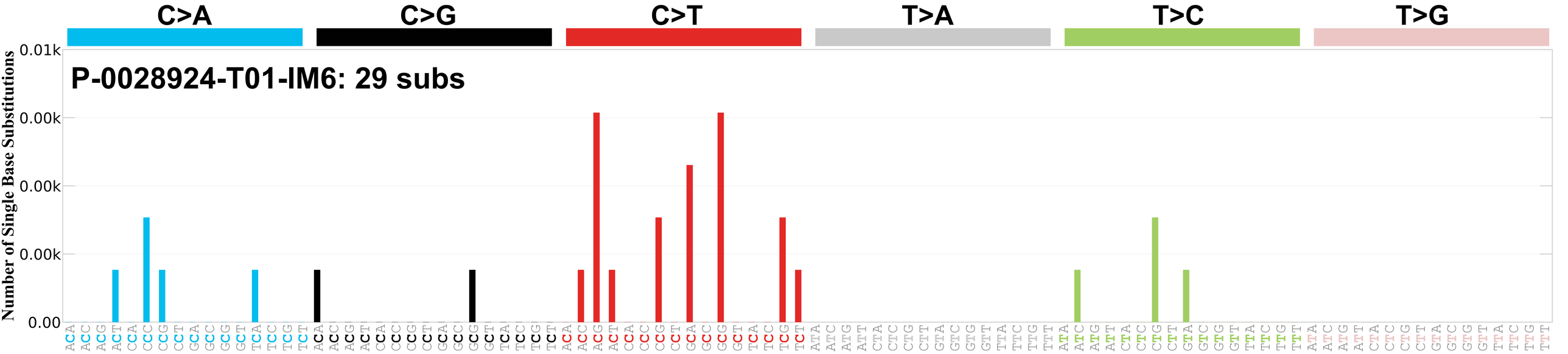

C>A
C>G
C>T
T>A
T>C
T>G
P-0028144-T01-IM6: 22 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0028200-T01-IM6: 18 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0028472-T01-IM6: 58 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0028495-T01-IM6: 20 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0028774-T01-IM6: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0028924-T01-IM6: 29 subs
Number of Single Base Substitutions
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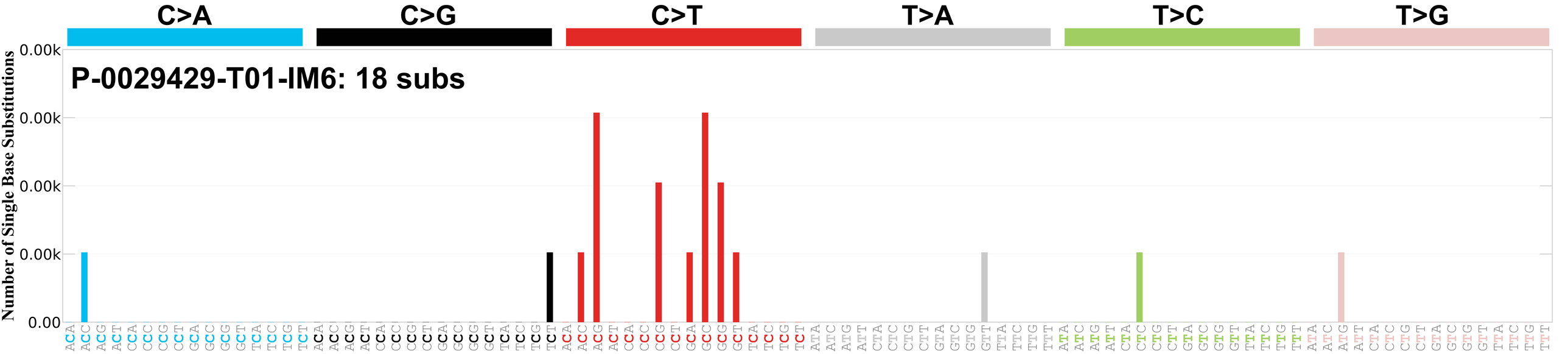
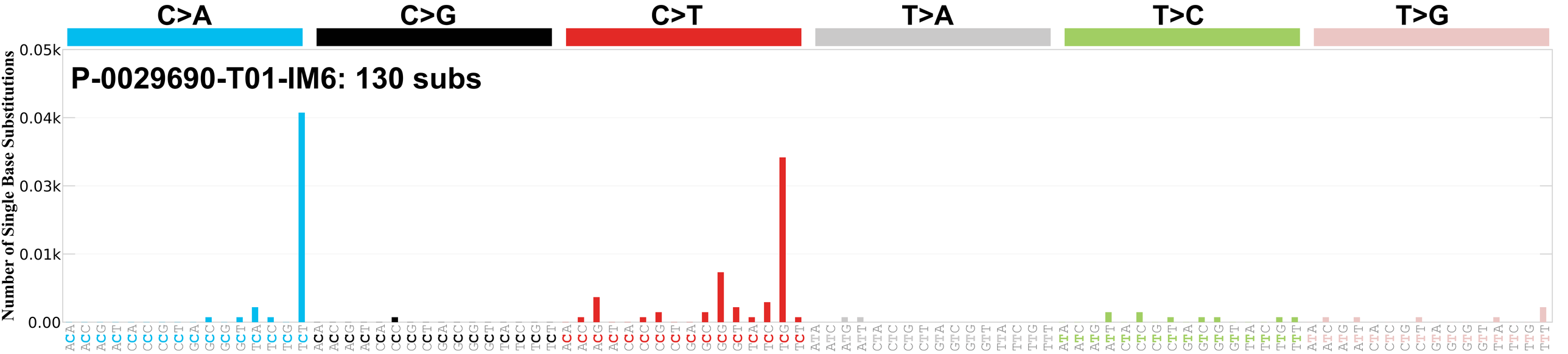
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0029429-T01-IM6: 18 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0029690-T01-IM6: 130 subs
Number of Single Base Substitutions
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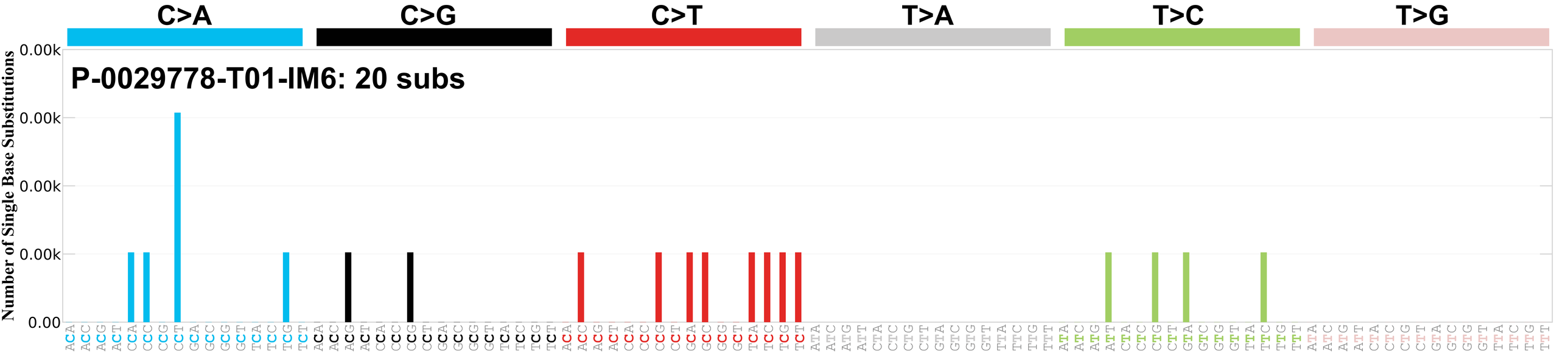
0.04k
0.03k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0029778-T01-IM6: 20 subs
Number of Single Base Substitutions
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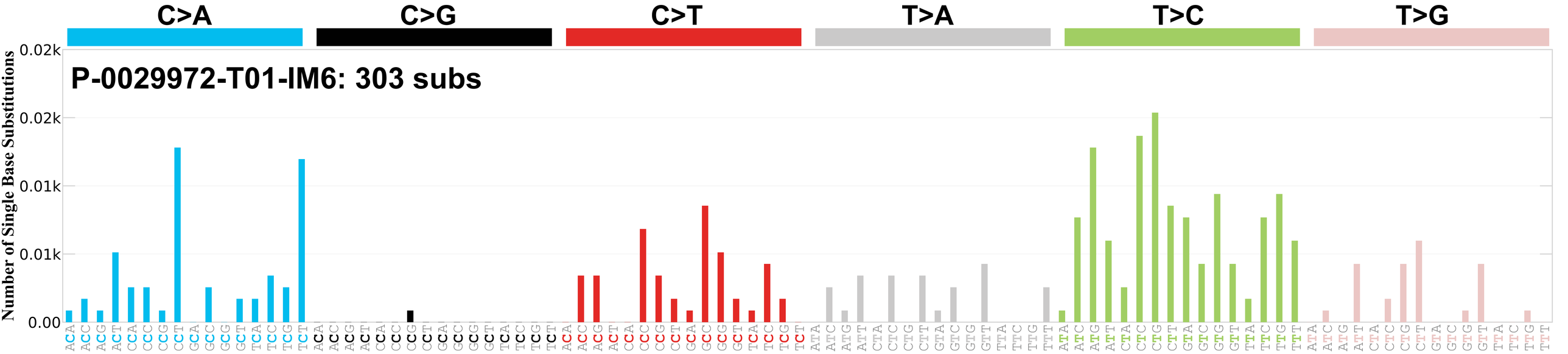
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0029972-T01-IM6: 303 subs
Number of Single Base Substitutions
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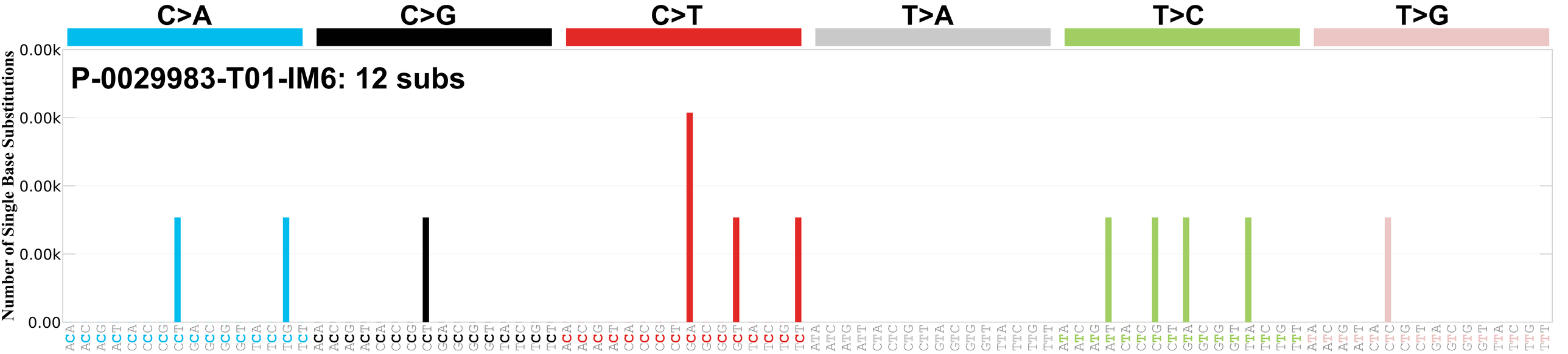
0.02k
0.01k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0029983-T01-IM6: 12 subs
Number of Single Base Substitutions
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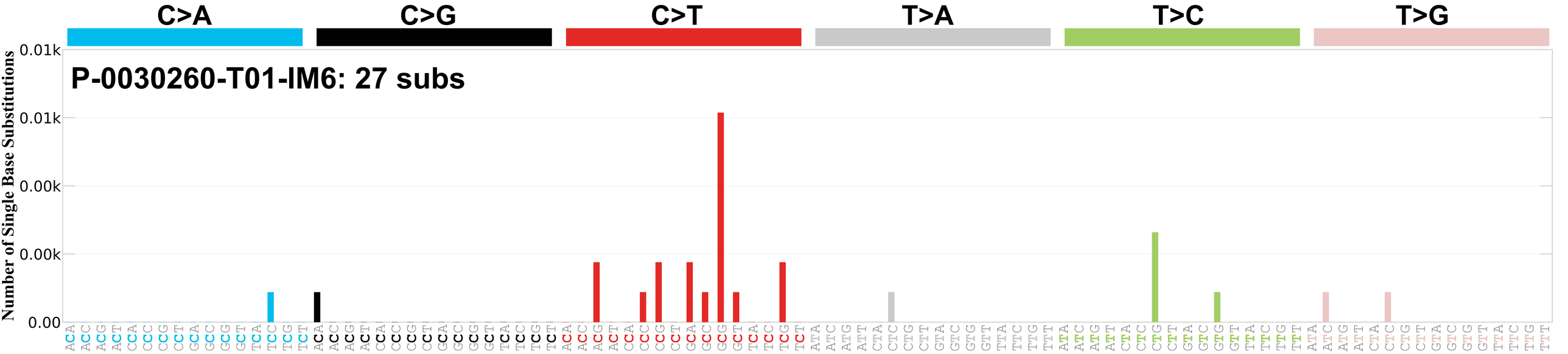
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0030260-T01-IM6: 27 subs
Number of Single Base Substitutions
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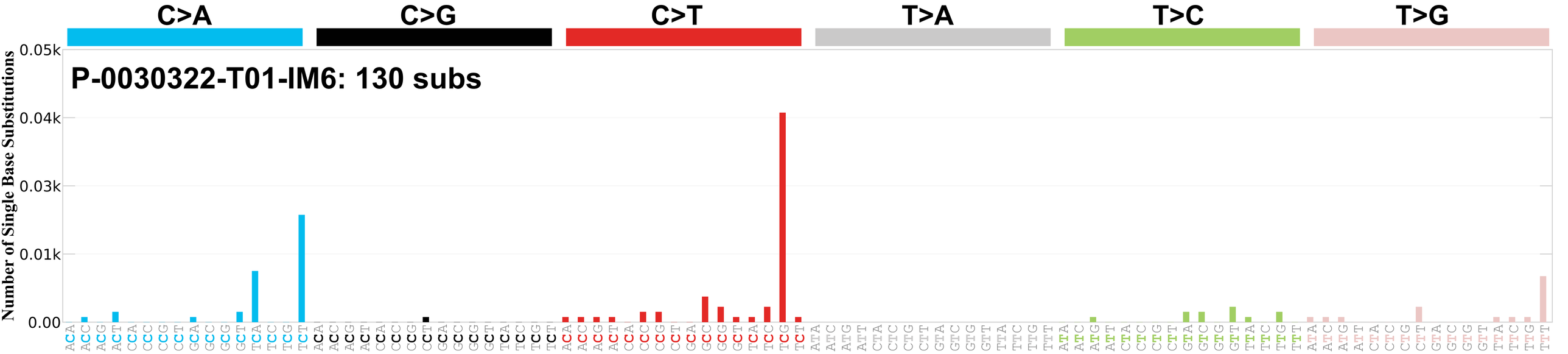
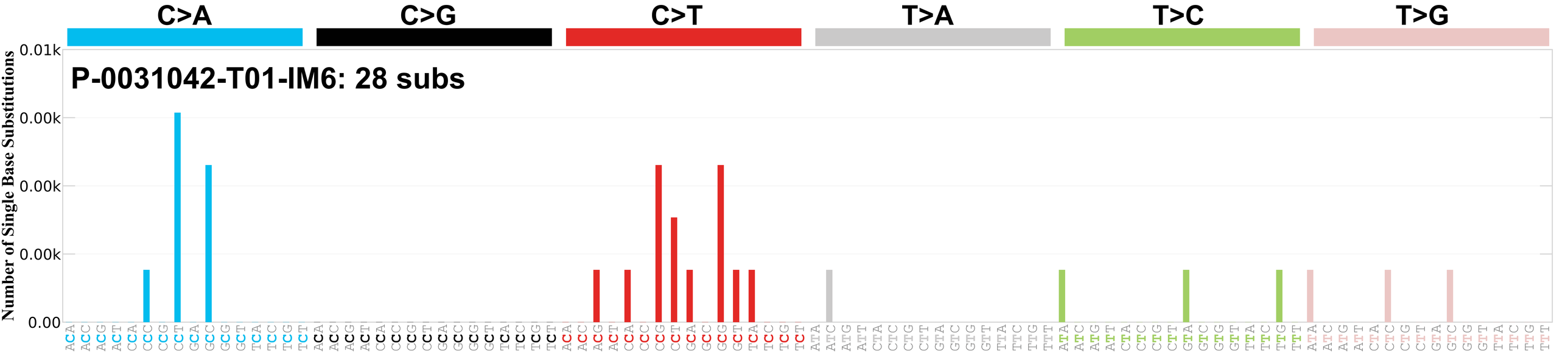
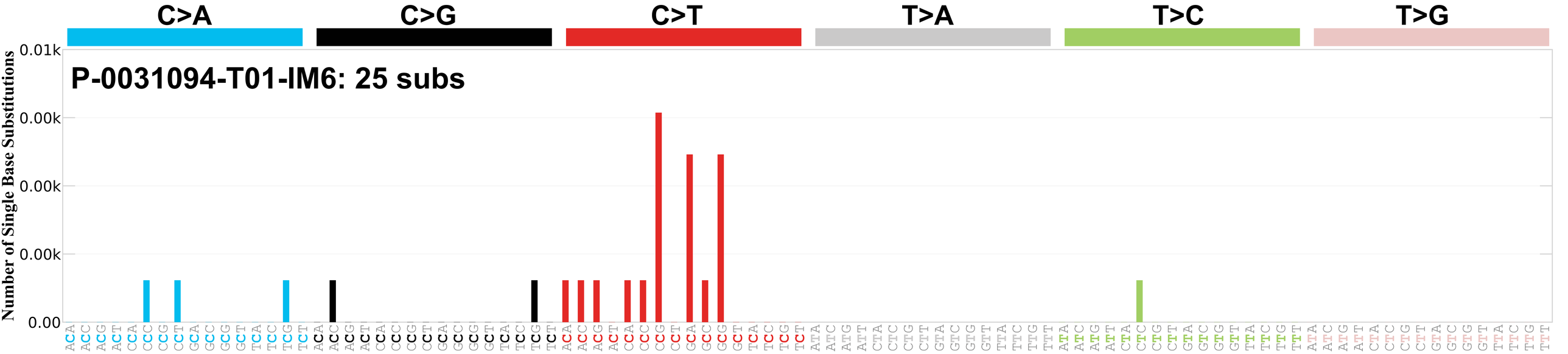
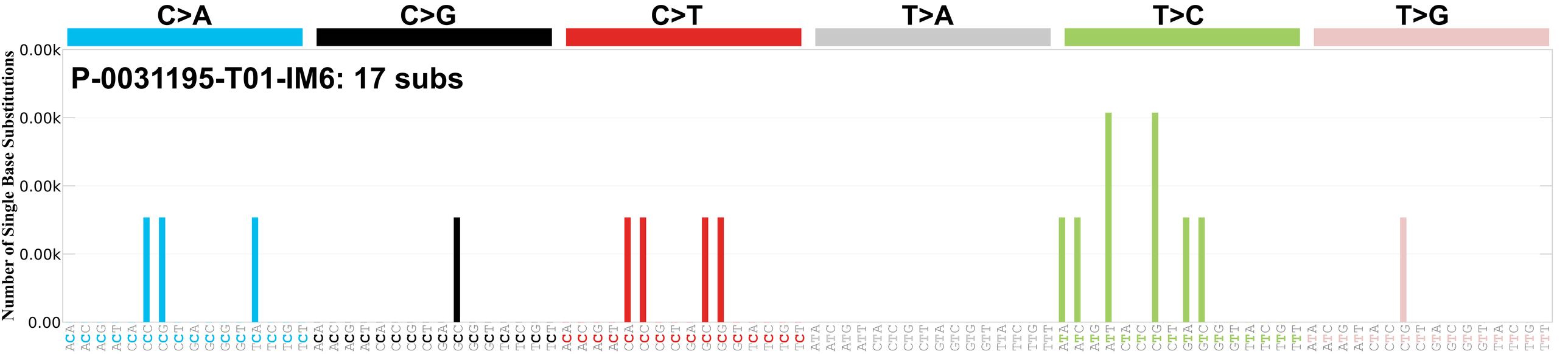
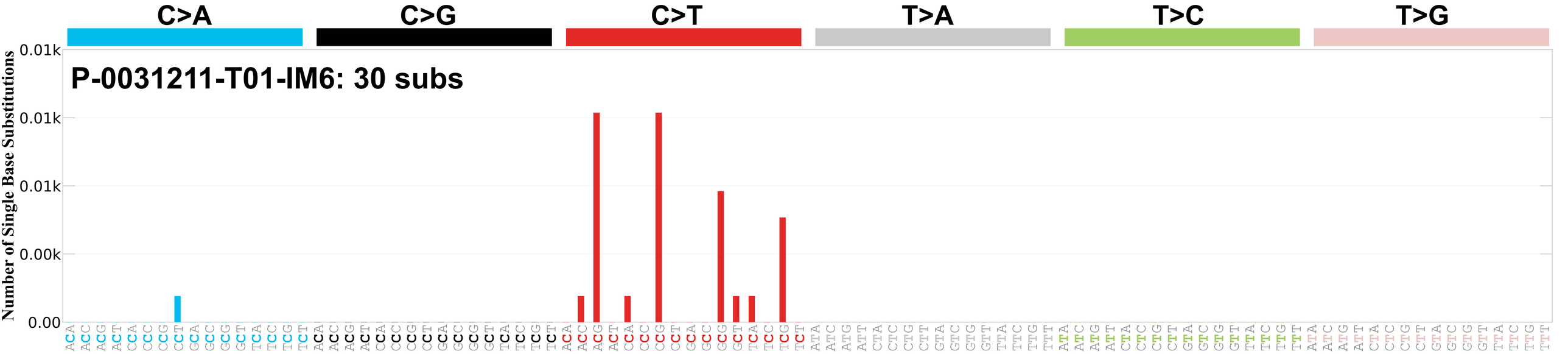
0.01k
0.00k
0.00k
0.00

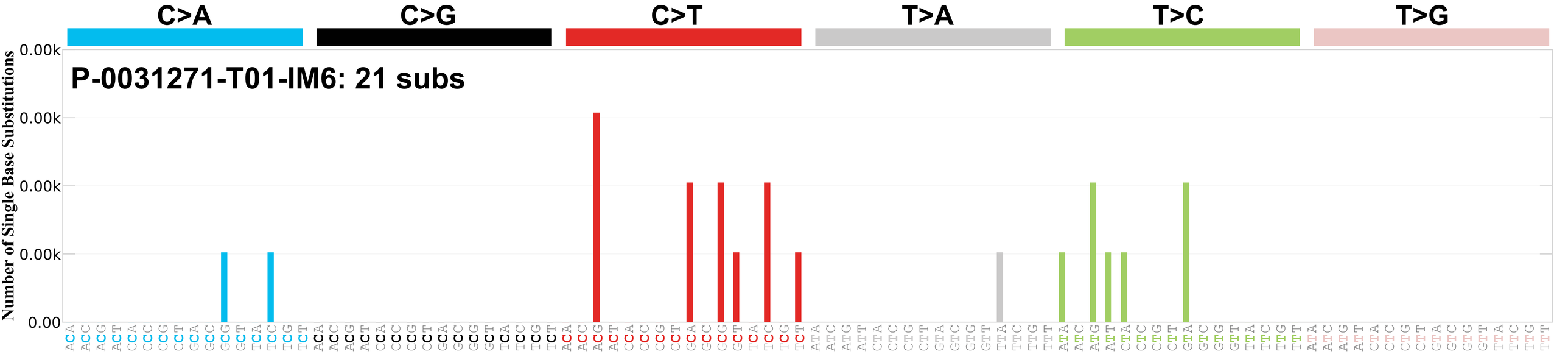

C>A
C>G
C>T
T>A
T>C
T>G
P-0030322-T01-IM6: 130 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

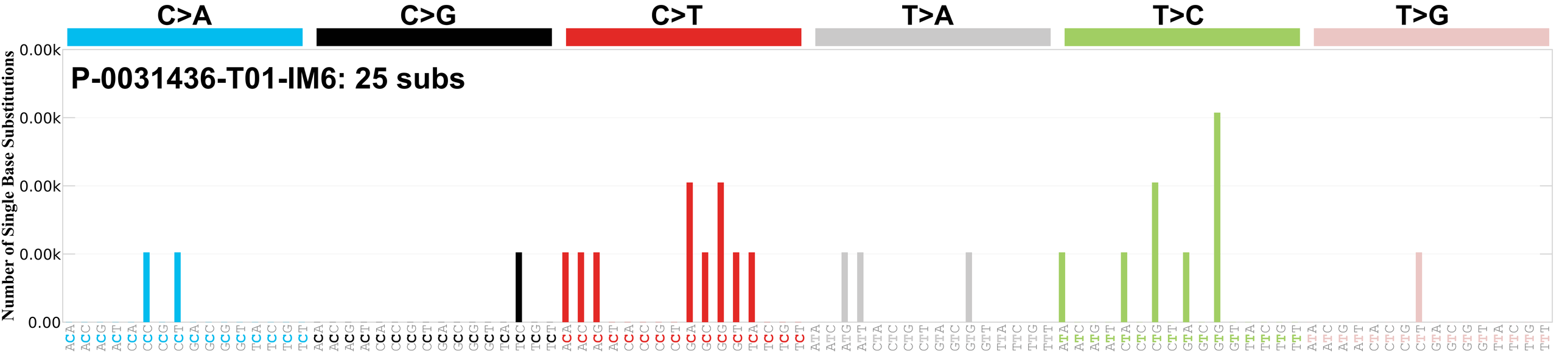

C>A
C>G
C>T
T>A
T>C
T>G
P-0031042-T01-IM6: 28 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

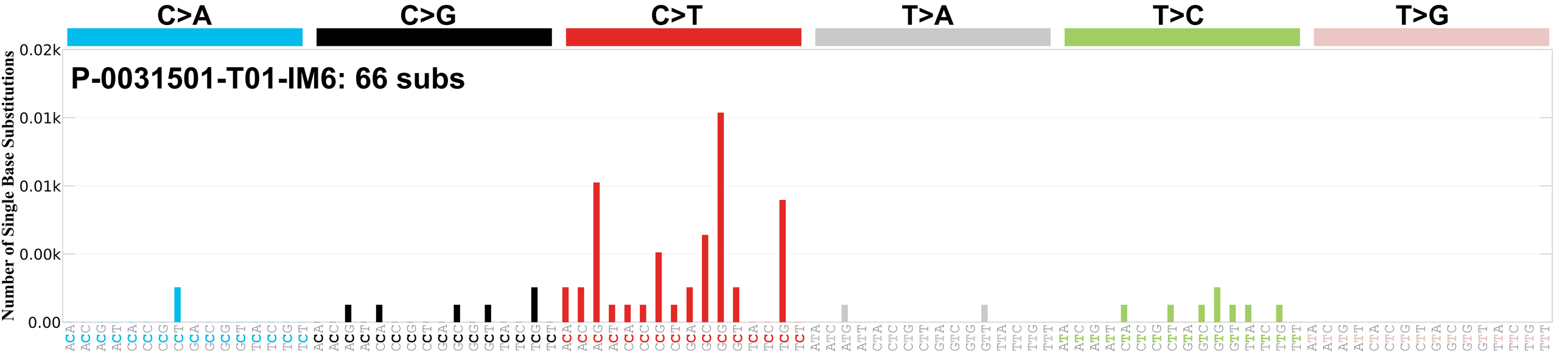

C>A
C>G
C>T
T>A
T>C
T>G
P-0031094-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

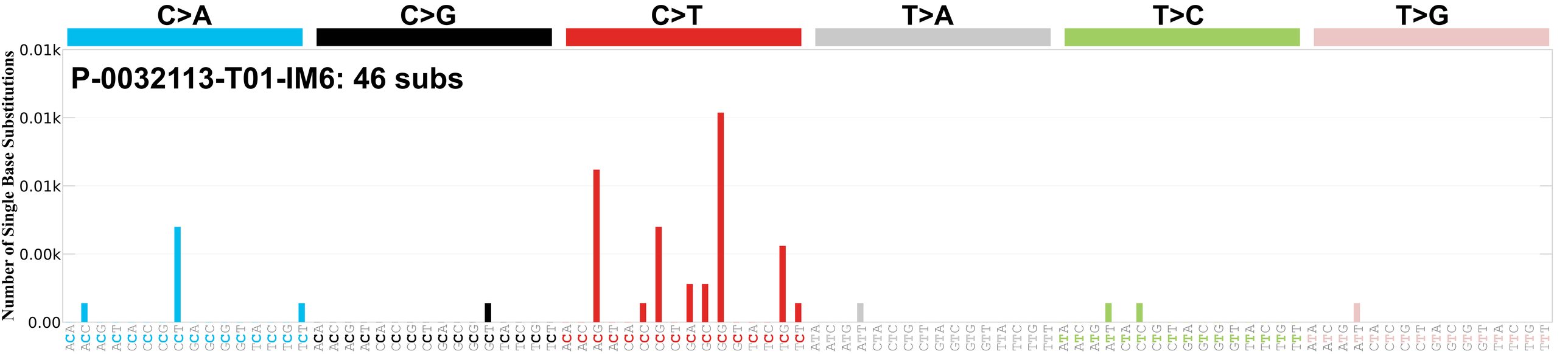

C>A
C>G
C>T
T>A
T>C
T>G
P-0031195-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

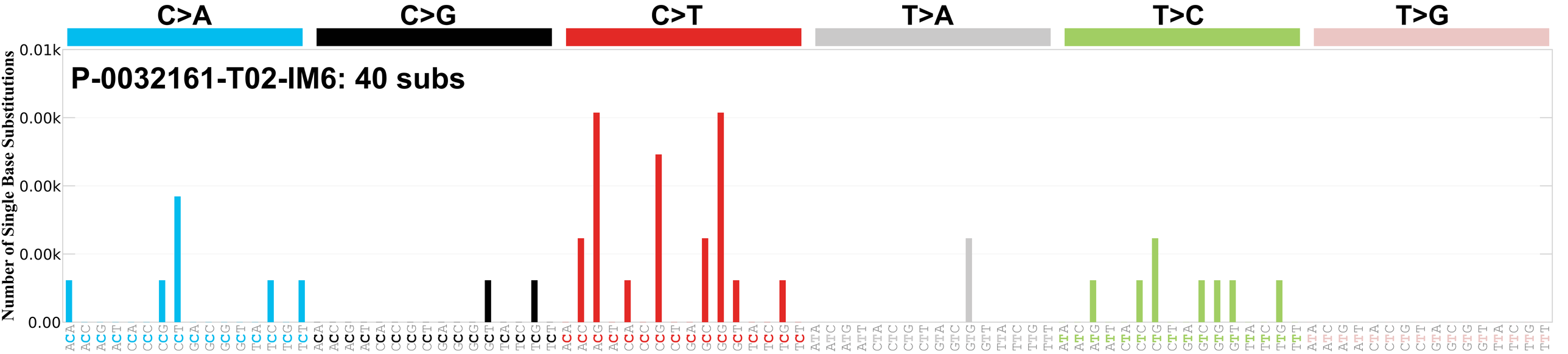

C>A
C>G
C>T
T>A
T>C
T>G
P-0031211-T01-IM6: 30 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

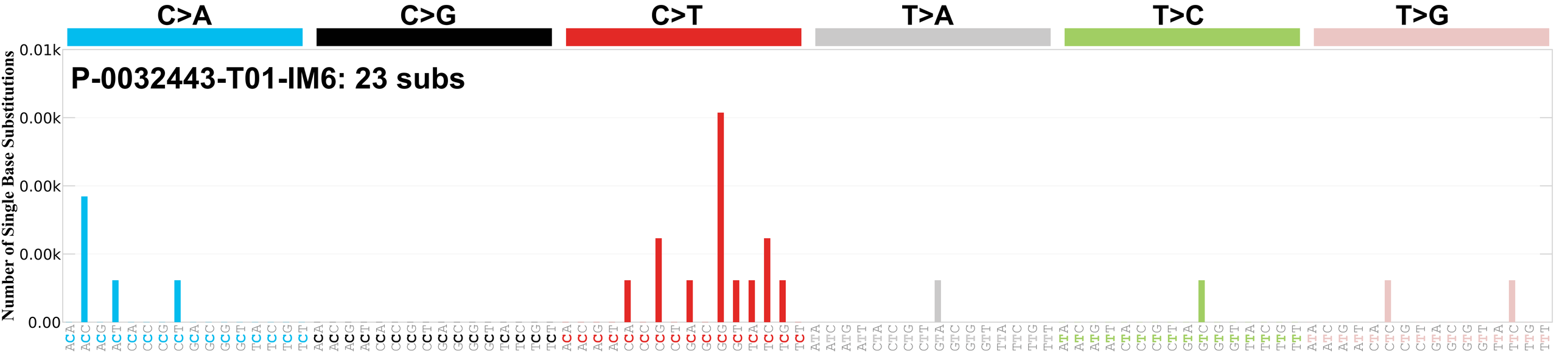

C>A
C>G
C>T
T>A
T>C
T>G
P-0031271-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

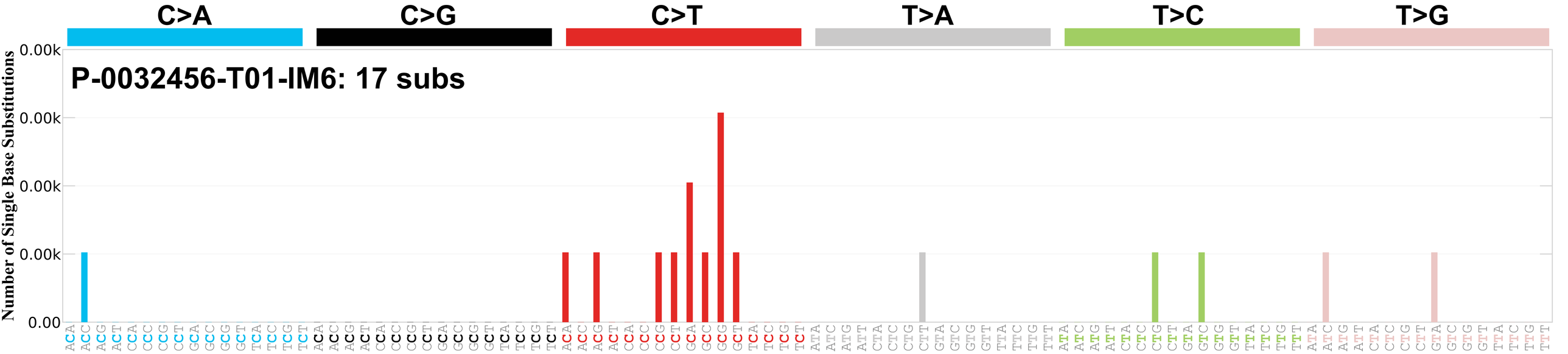

C>A
C>G
C>T
T>A
T>C
T>G
P-0031436-T01-IM6: 25 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

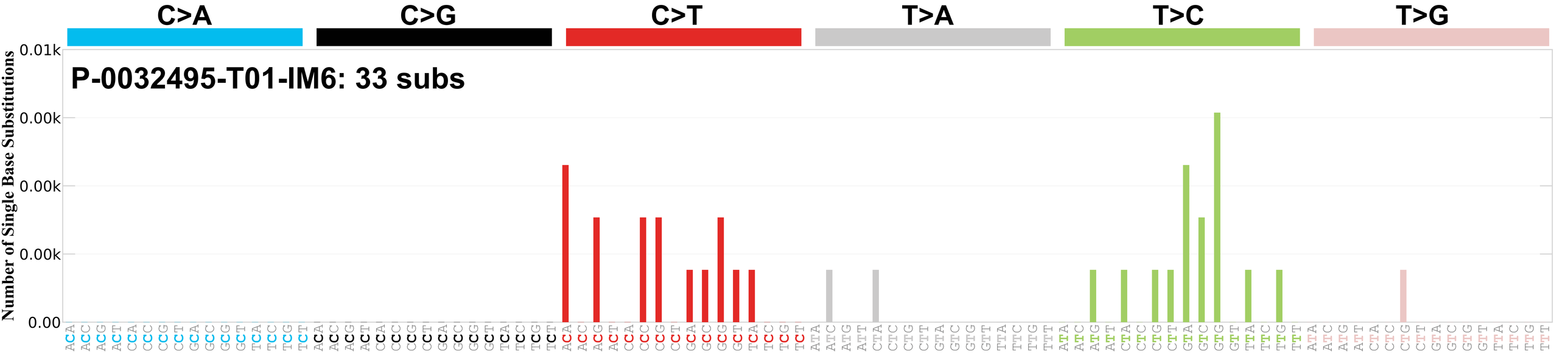

C>A
C>G
C>T
T>A
T>C
T>G
P-0031501-T01-IM6: 66 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

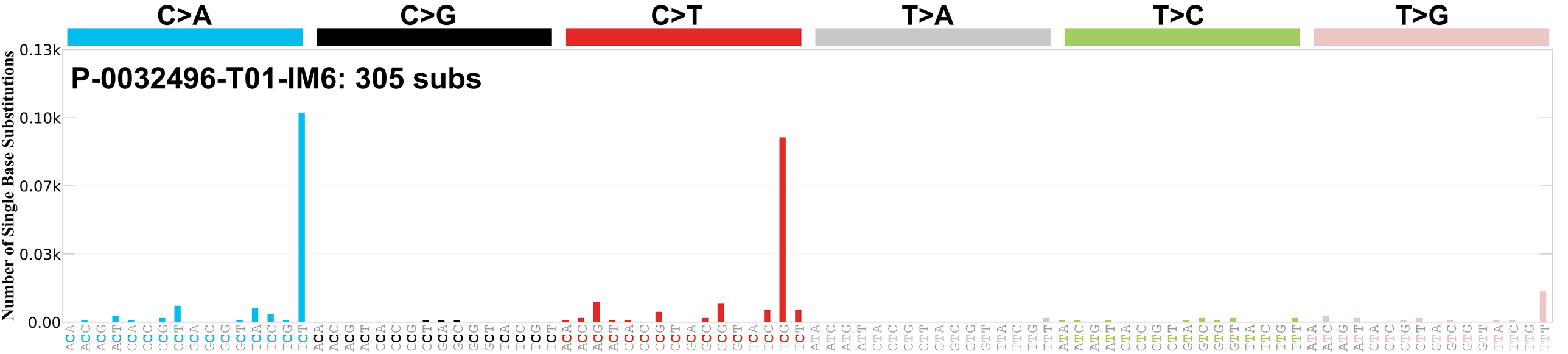

C>A
C>G
C>T
T>A
T>C
T>G
P-0032113-T01-IM6: 46 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

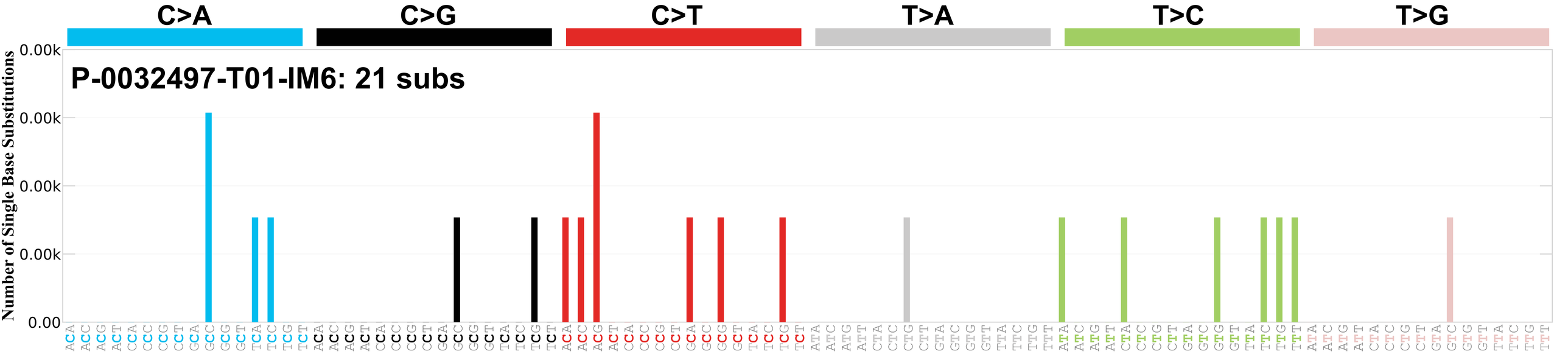

C>A
C>G
C>T
T>A
T>C
T>G
P-0032161-T02-IM6: 40 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

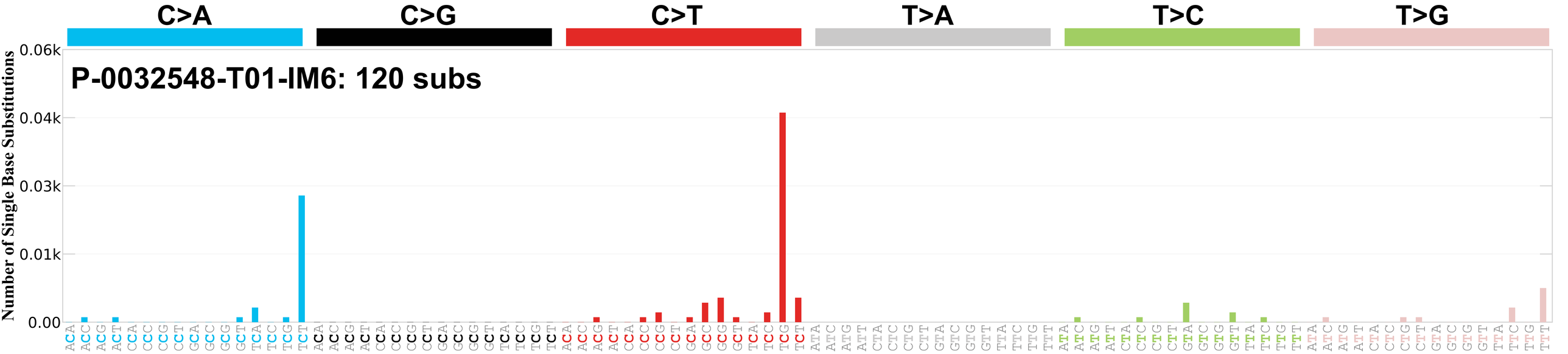

C>A
C>G
C>T
T>A
T>C
T>G
P-0032443-T01-IM6: 23 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

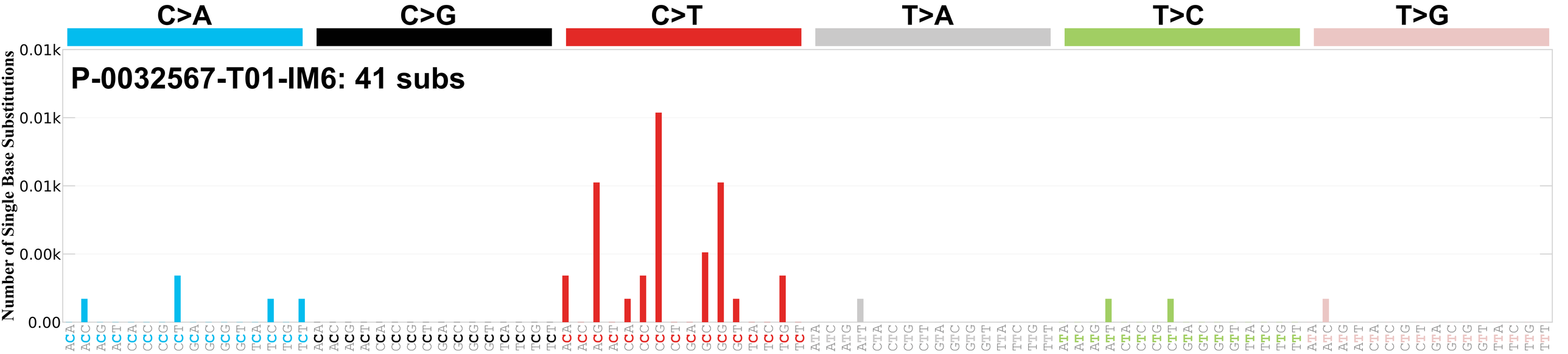

C>A
C>G
C>T
T>A
T>C
T>G
P-0032456-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

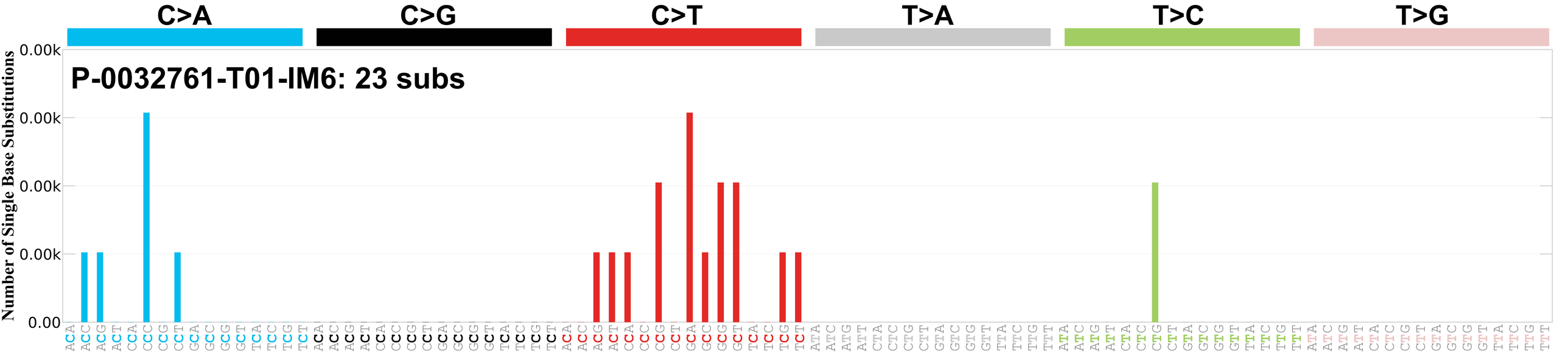

C>A
C>G
C>T
T>A
T>C
T>G
P-0032495-T01-IM6: 33 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

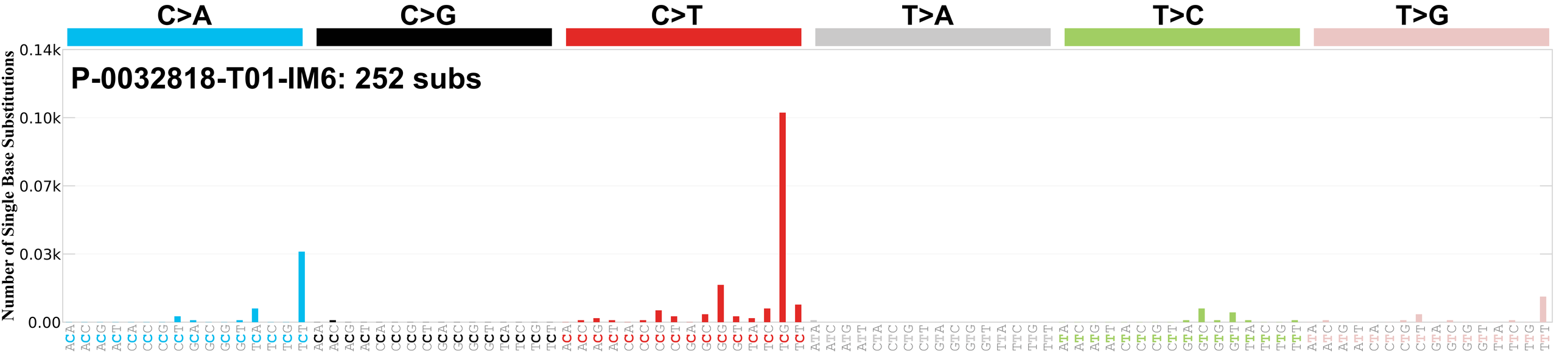

C>A
C>G
C>T
T>A
T>C
T>G
P-0032496-T01-IM6: 305 subs
Number of Single Base Substitutions
0.13k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

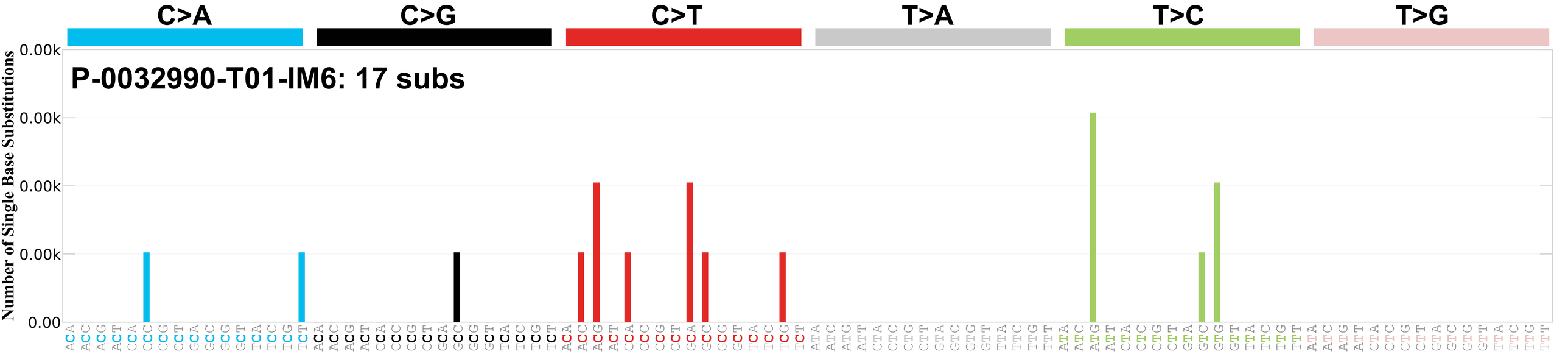

C>A
C>G
C>T
T>A
T>C
T>G
P-0032497-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

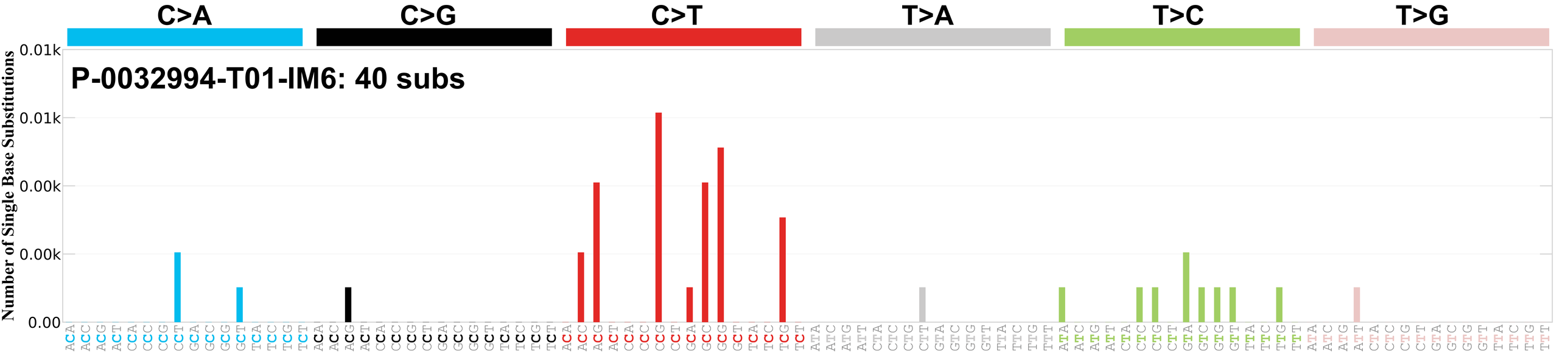

C>A
C>G
C>T
T>A
T>C
T>G
P-0032548-T01-IM6: 120 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

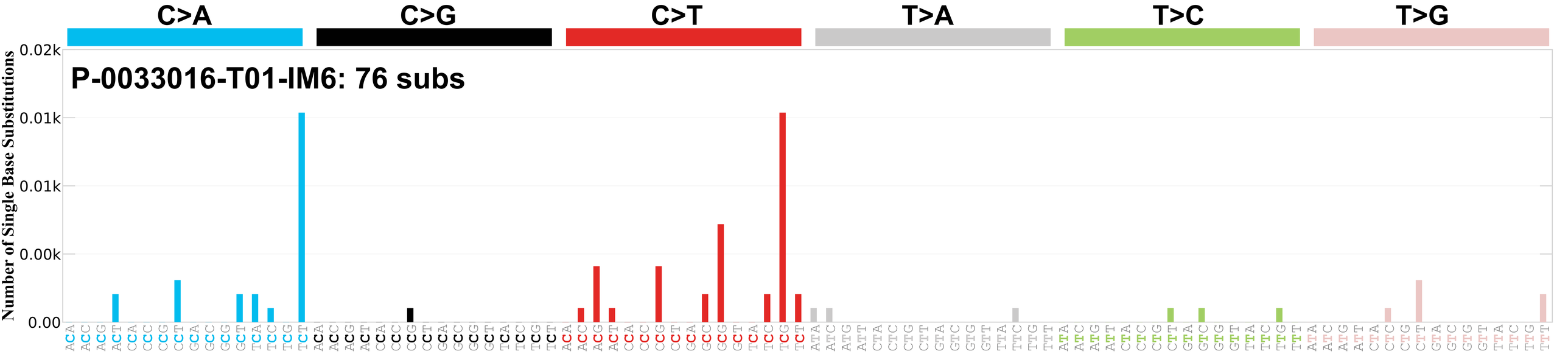

C>A
C>G
C>T
T>A
T>C
T>G
P-0032567-T01-IM6: 41 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

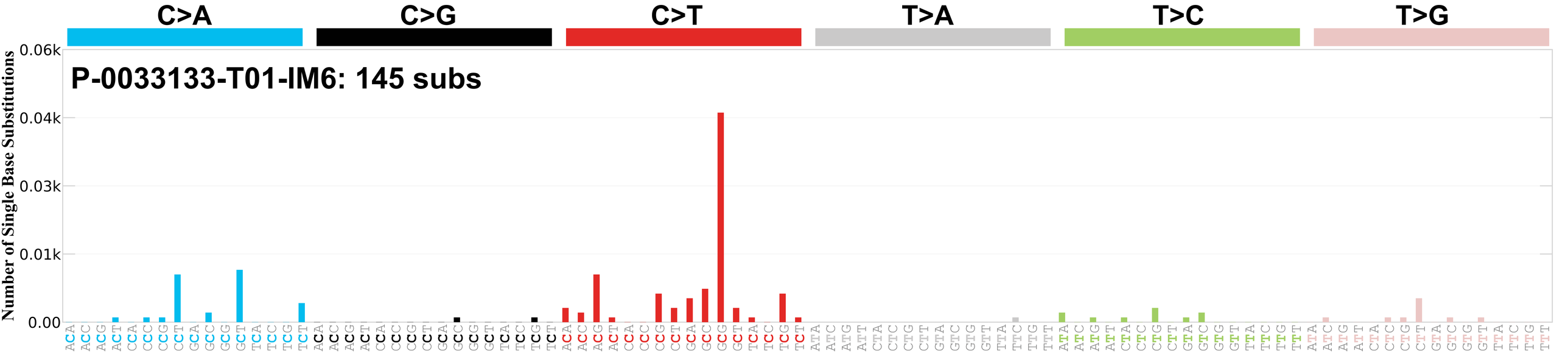

C>A
C>G
C>T
T>A
T>C
T>G
P-0032761-T01-IM6: 23 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

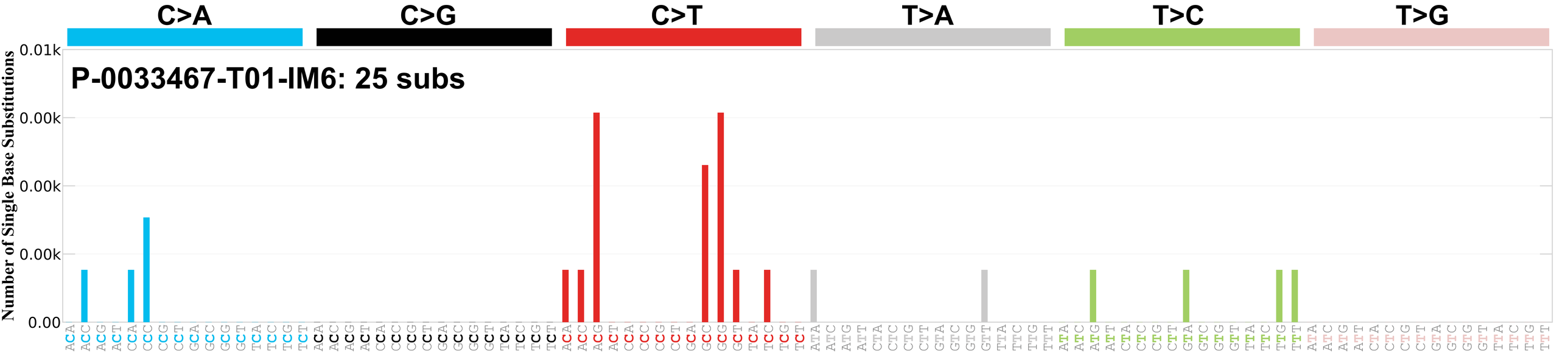

C>A
C>G
C>T
T>A
T>C
T>G
P-0032818-T01-IM6: 252 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00

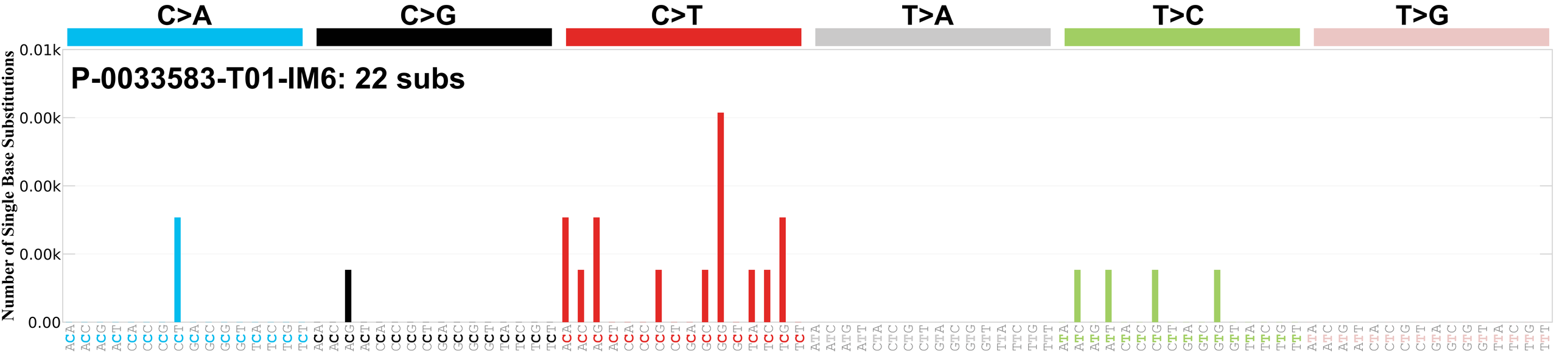

C>A
C>G
C>T
T>A
T>C
T>G
P-0032990-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

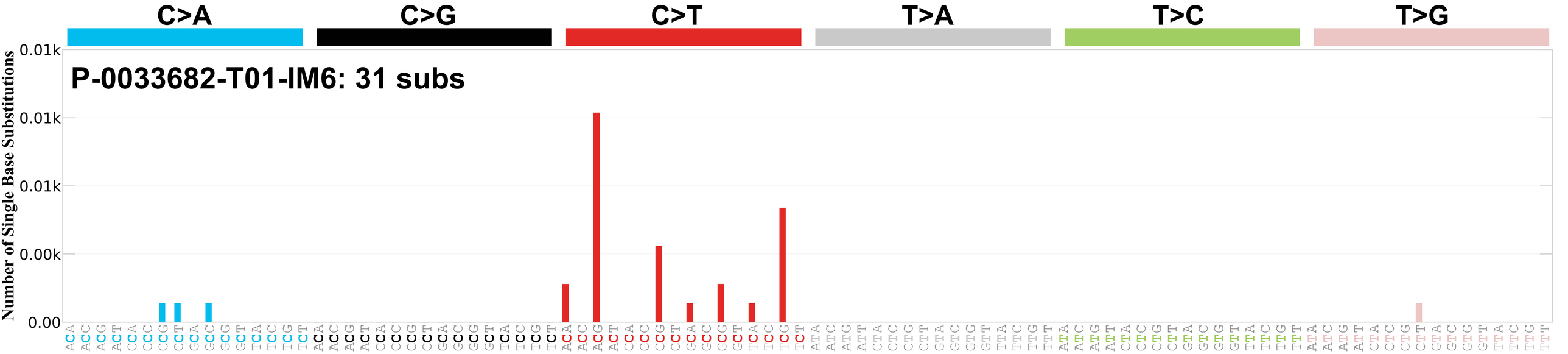

C>A
C>G
C>T
T>A
T>C
T>G
P-0032994-T01-IM6: 40 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

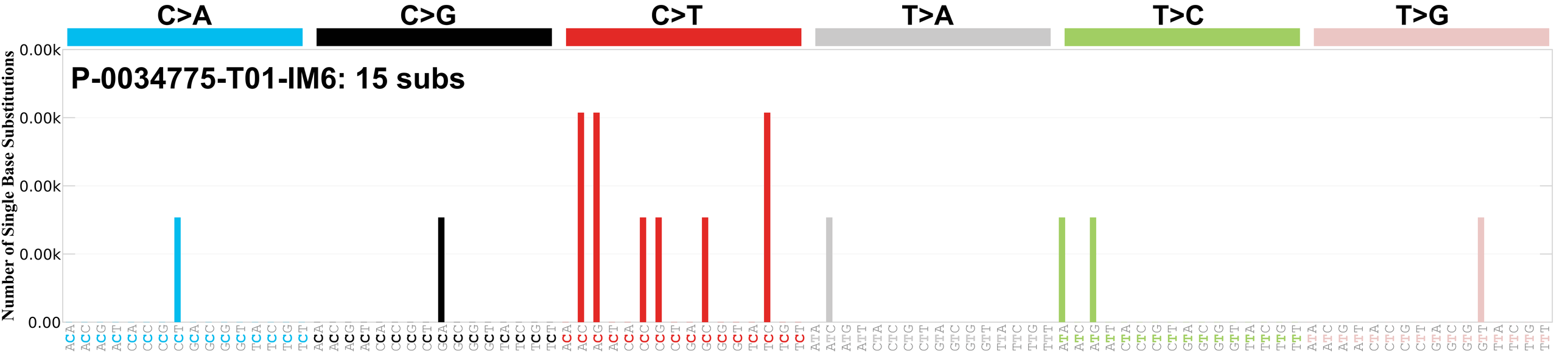

C>A
C>G
C>T
T>A
T>C
T>G
P-0033016-T01-IM6: 76 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

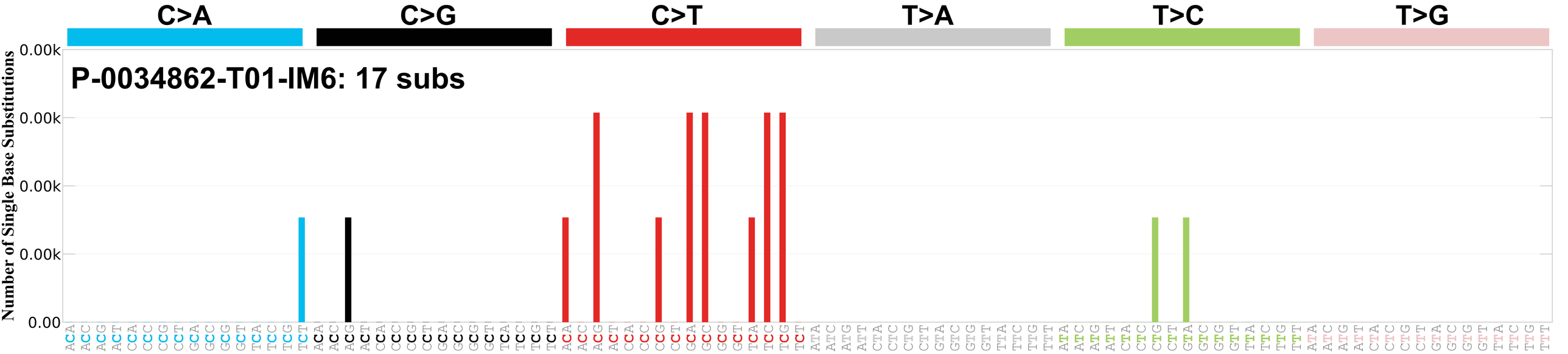

C>A
C>G
C>T
T>A
T>C
T>G
P-0033133-T01-IM6: 145 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

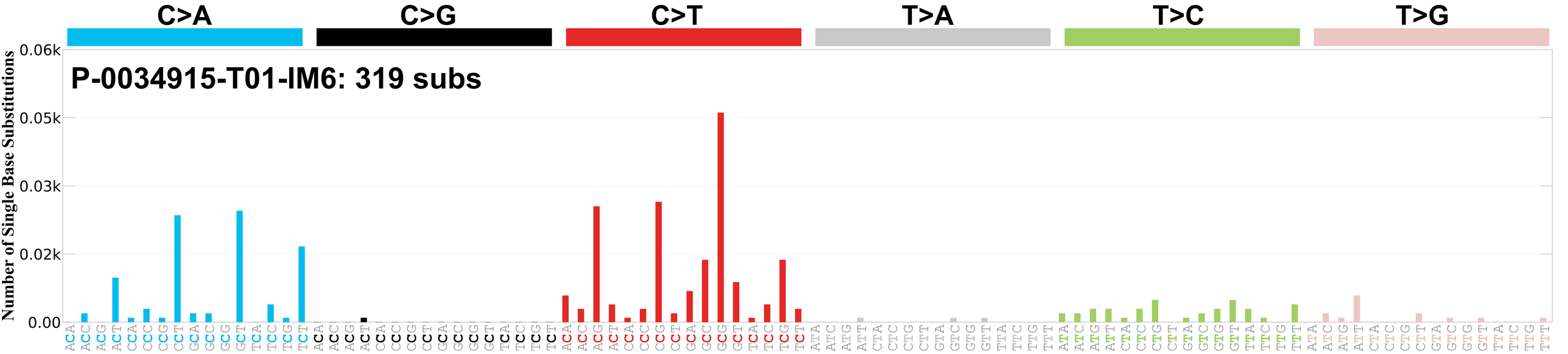

C>A
C>G
C>T
T>A
T>C
T>G
P-0033467-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

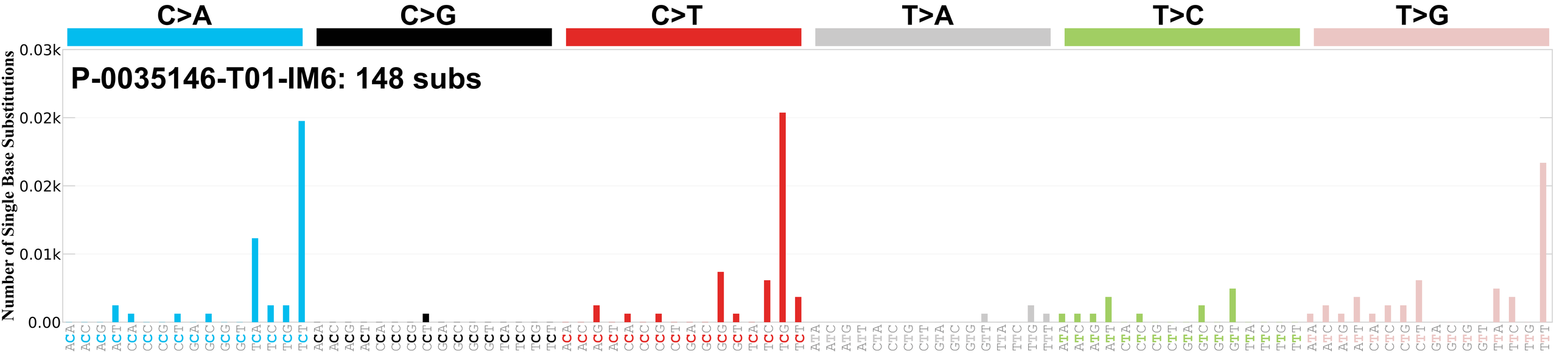

C>A
C>G
C>T
T>A
T>C
T>G
P-0033583-T01-IM6: 22 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

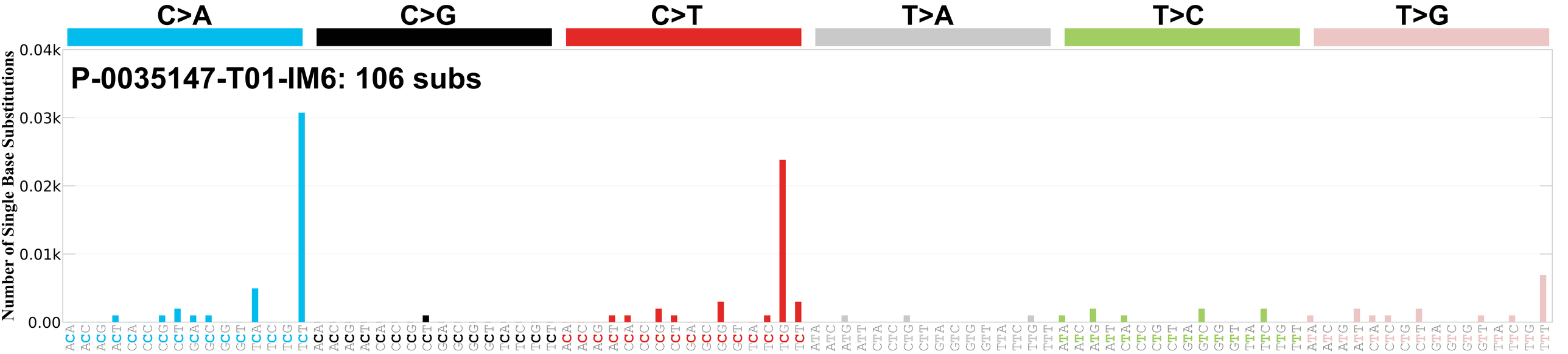

C>A
C>G
C>T
T>A
T>C
T>G
P-0033682-T01-IM6: 31 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

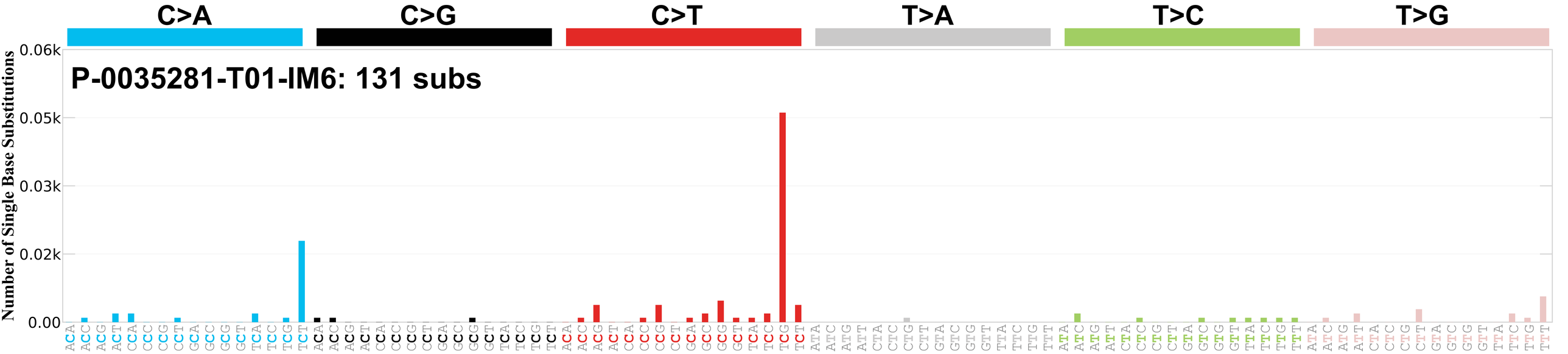

C>A
C>G
C>T
T>A
T>C
T>G
P-0034775-T01-IM6: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

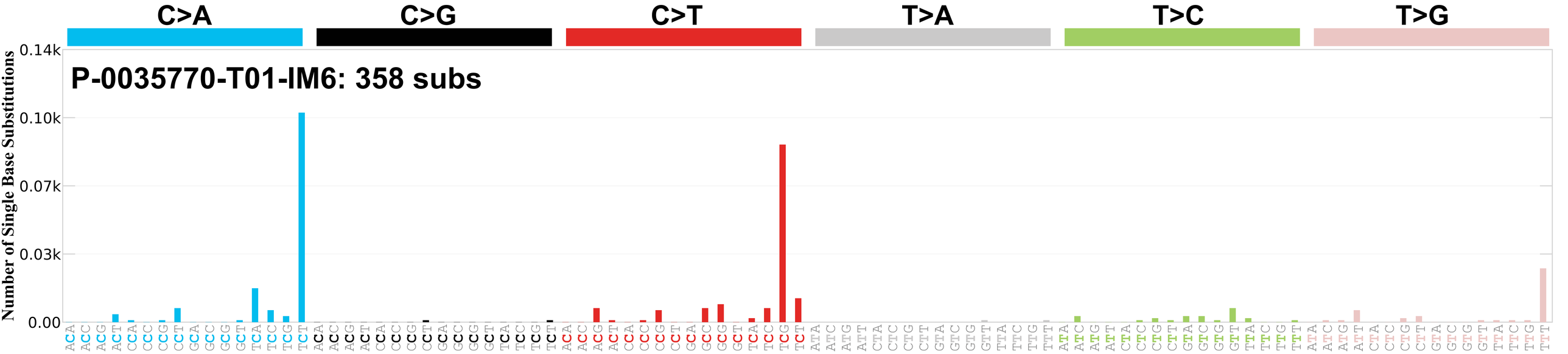

C>A
C>G
C>T
T>A
T>C
T>G
P-0034862-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

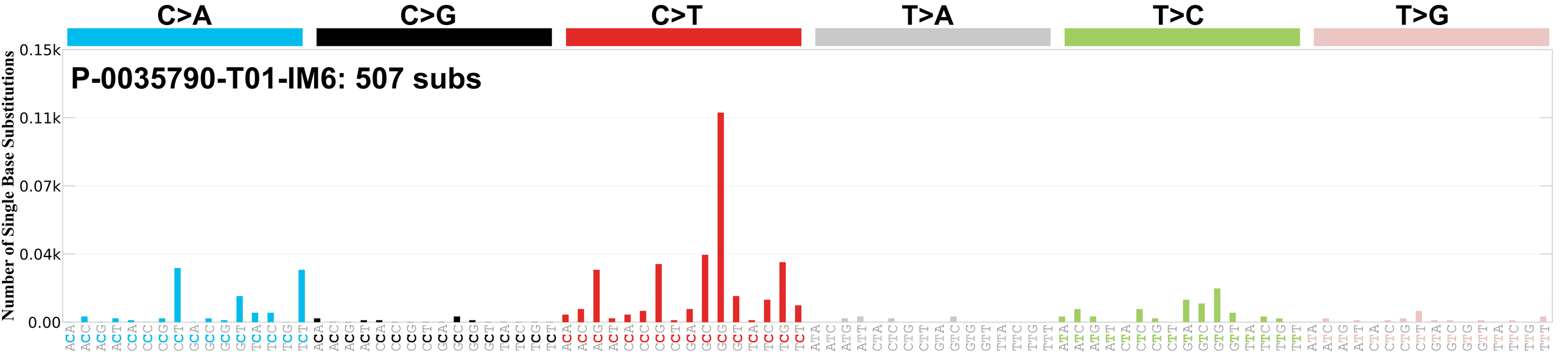

C>A
C>G
C>T
T>A
T>C
T>G
P-0034915-T01-IM6: 319 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

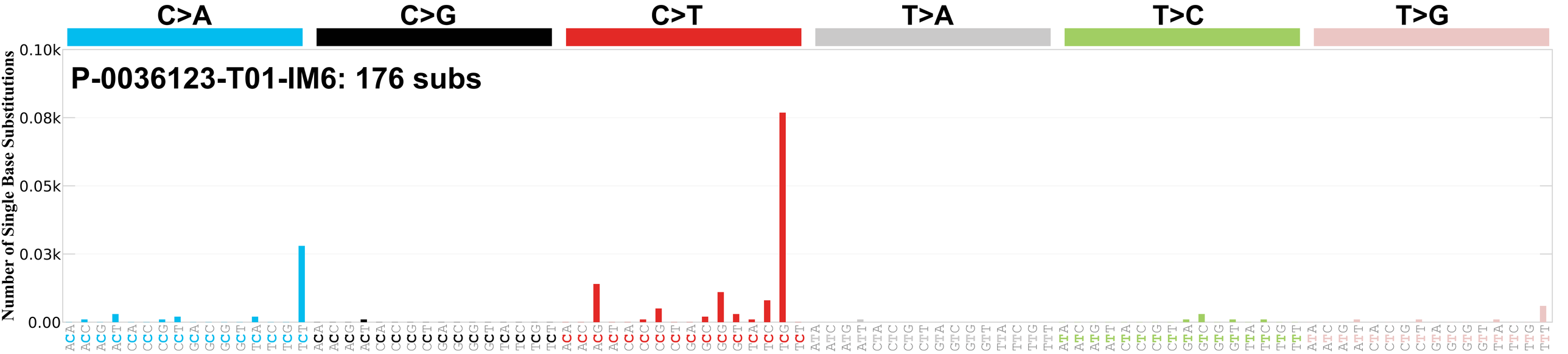

C>A
C>G
C>T
T>A
T>C
T>G
P-0035146-T01-IM6: 148 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00

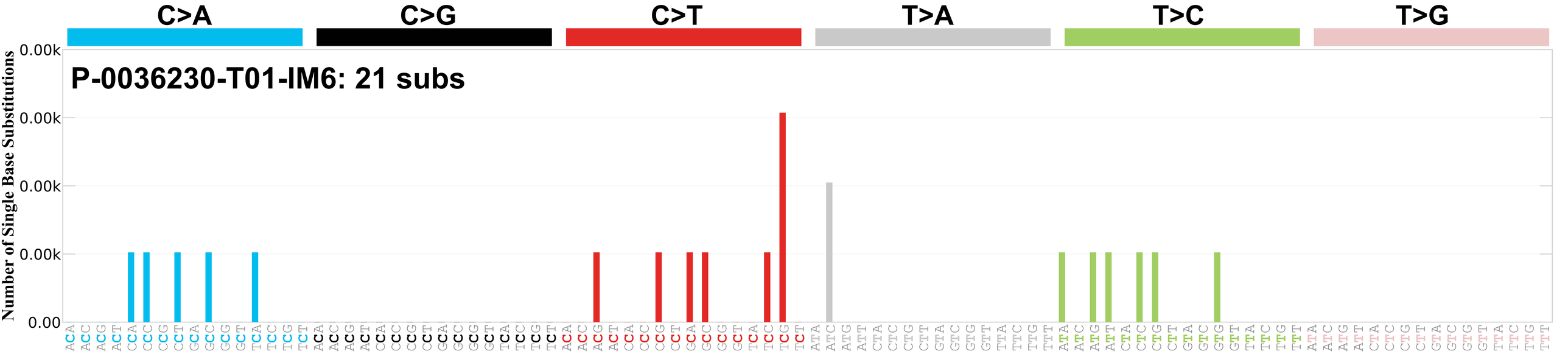

C>A
C>G
C>T
T>A
T>C
T>G
P-0035147-T01-IM6: 106 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

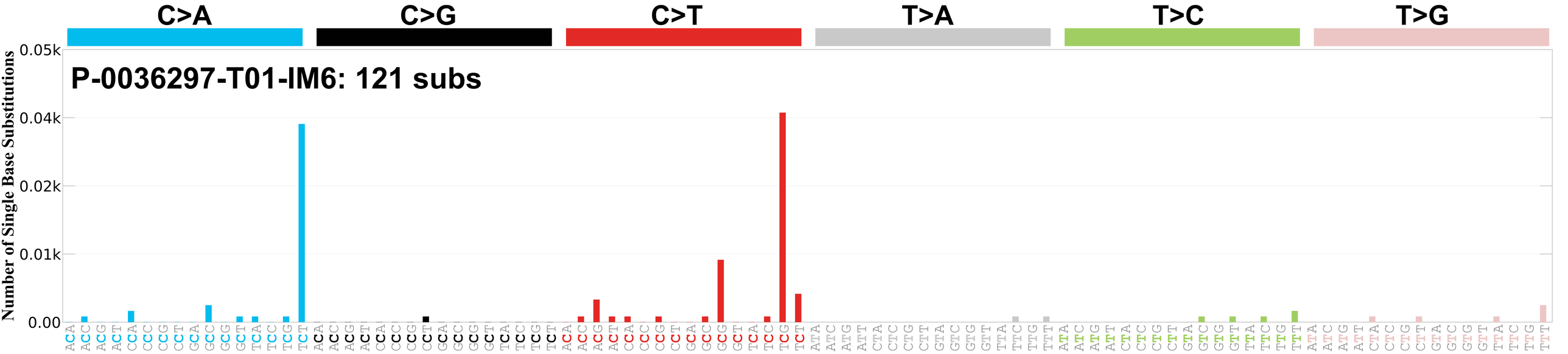

C>A
C>G
C>T
T>A
T>C
T>G
P-0035281-T01-IM6: 131 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

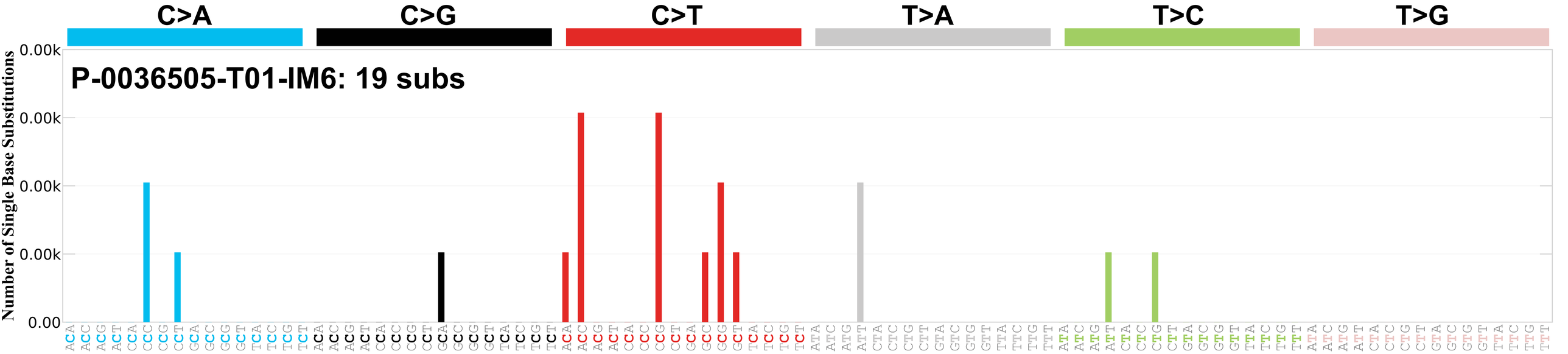

C>A
C>G
C>T
T>A
T>C
T>G
P-0035770-T01-IM6: 358 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0035790-T01-IM6: 507 subs
Number of Single Base Substitutions
0.15k
0.11k
0.07k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0036123-T01-IM6: 176 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0036230-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0036297-T01-IM6: 121 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0036505-T01-IM6: 19 subs
Number of Single Base Substitutions
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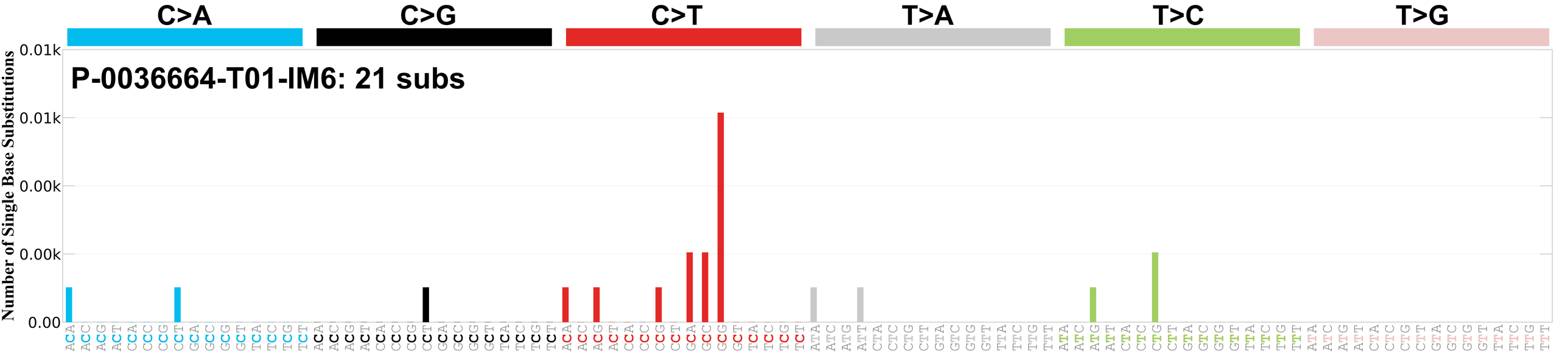
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0036664-T01-IM6: 21 subs
Number of Single Base Substitutions
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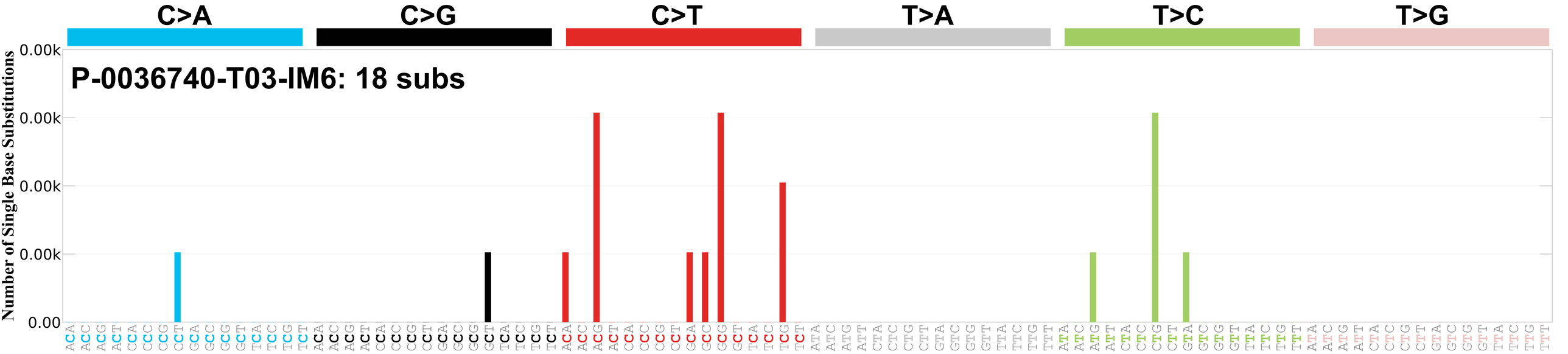
0.01k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0036740-T03-IM6: 18 subs
Number of Single Base Substitutions
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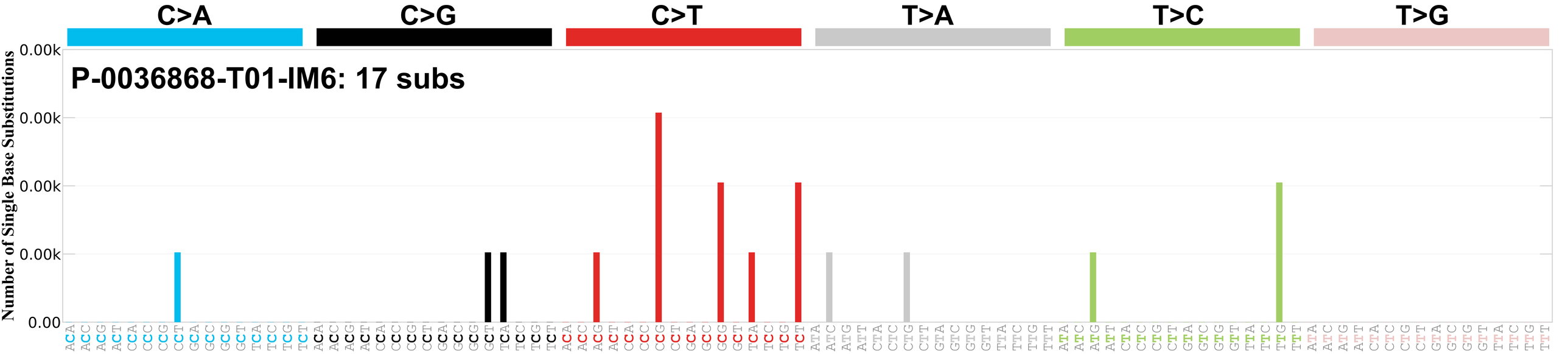
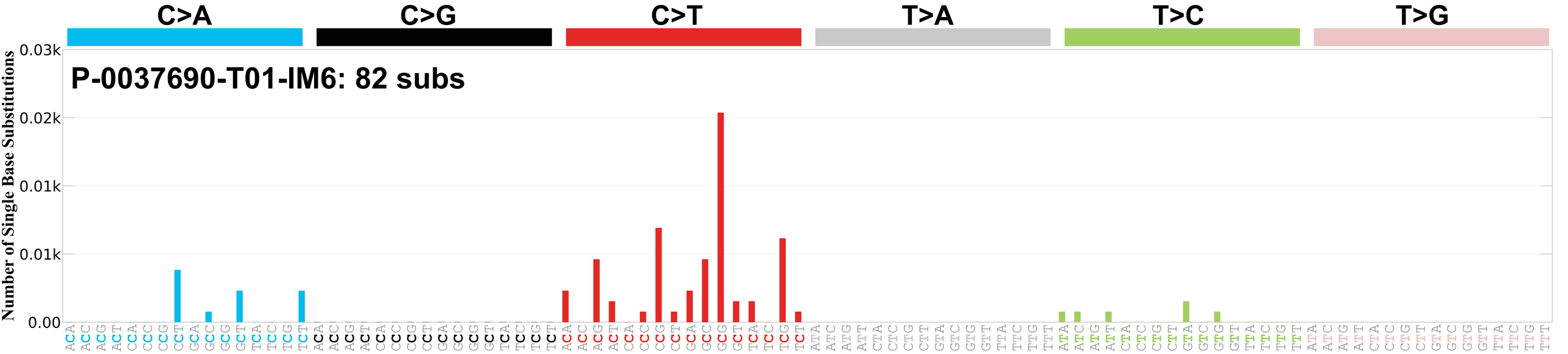
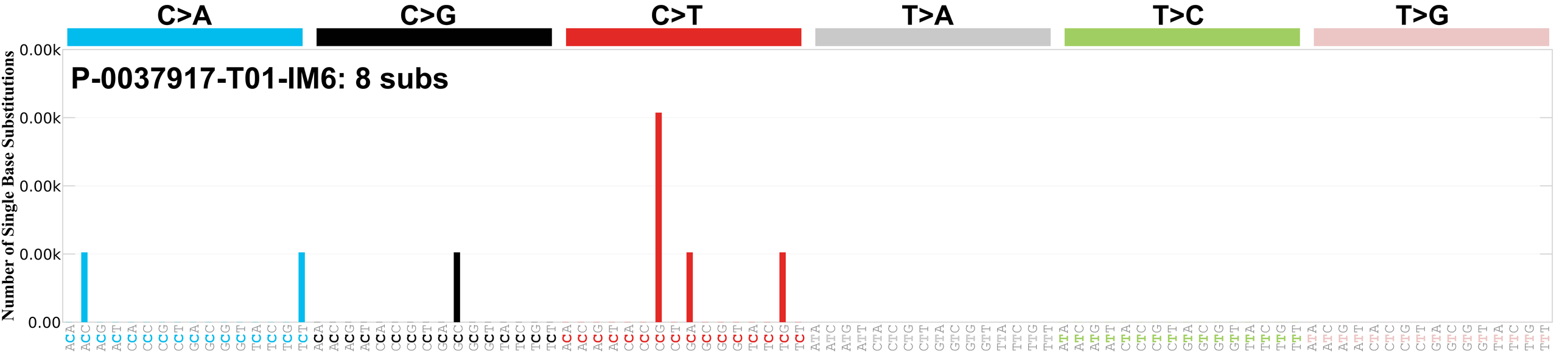
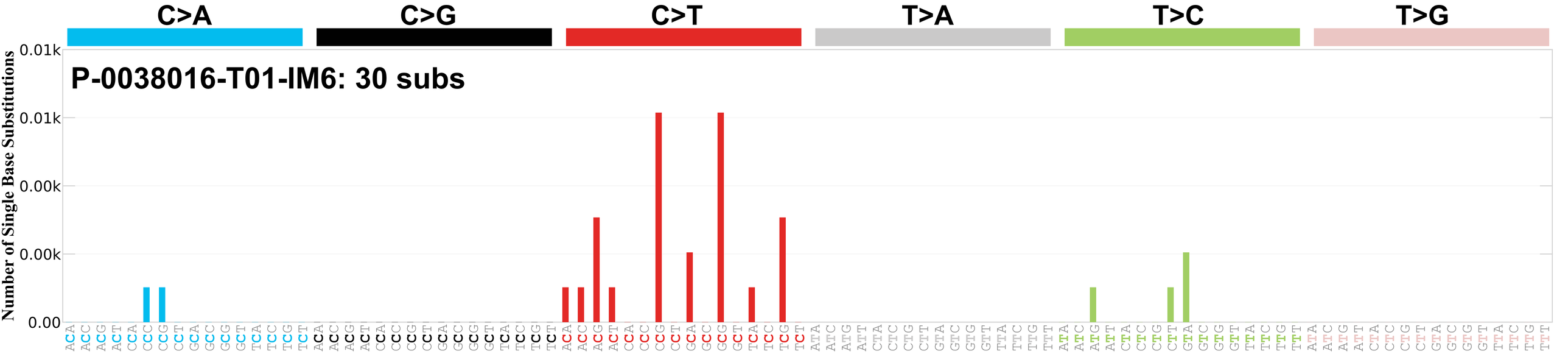
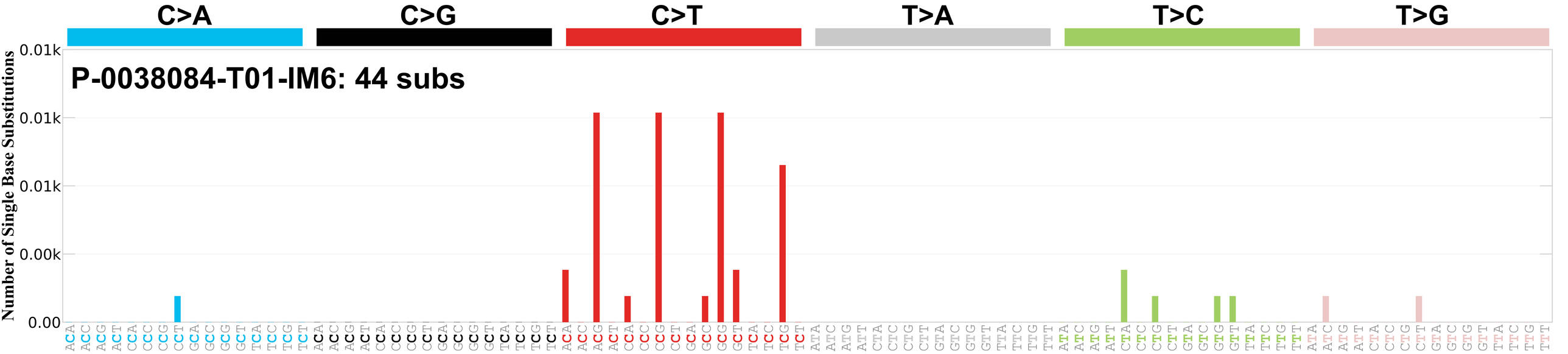
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

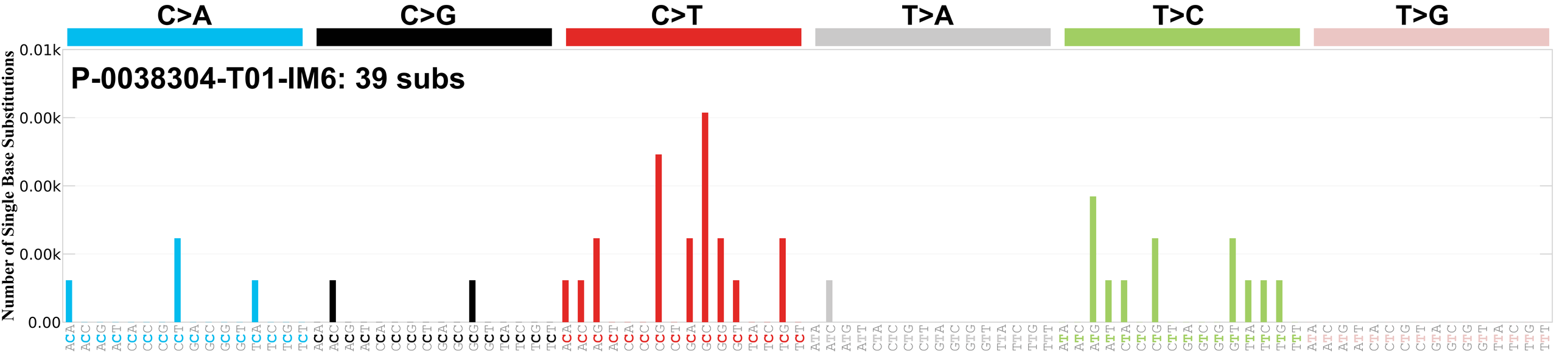

C>A
C>G
C>T
T>A
T>C
T>G
P-0036868-T01-IM6: 17 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

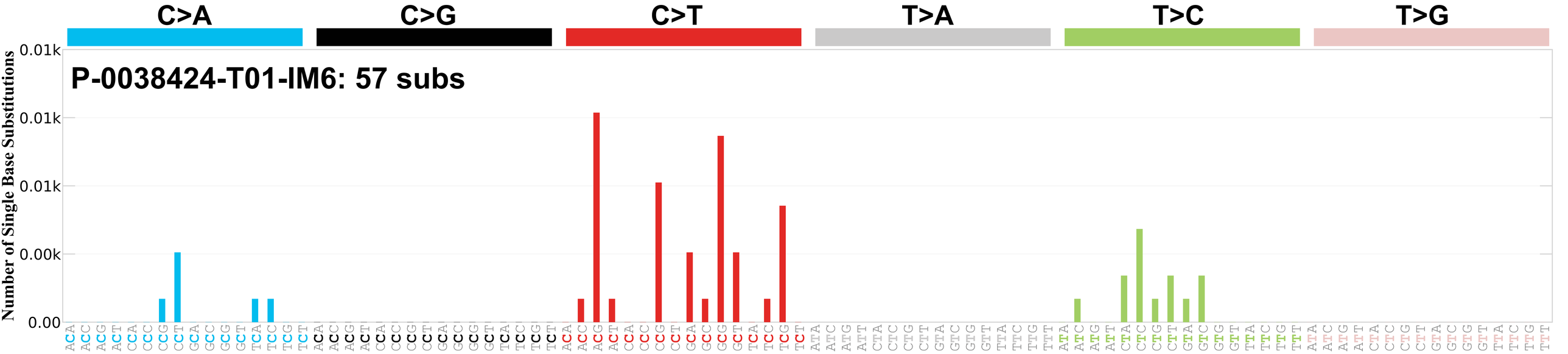

C>A
C>G
C>T
T>A
T>C
T>G
P-0037690-T01-IM6: 82 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0037917-T01-IM6: 8 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0038016-T01-IM6: 30 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0038084-T01-IM6: 44 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0038304-T01-IM6: 39 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0038424-T01-IM6: 57 subs
Number of Single Base Substitutions
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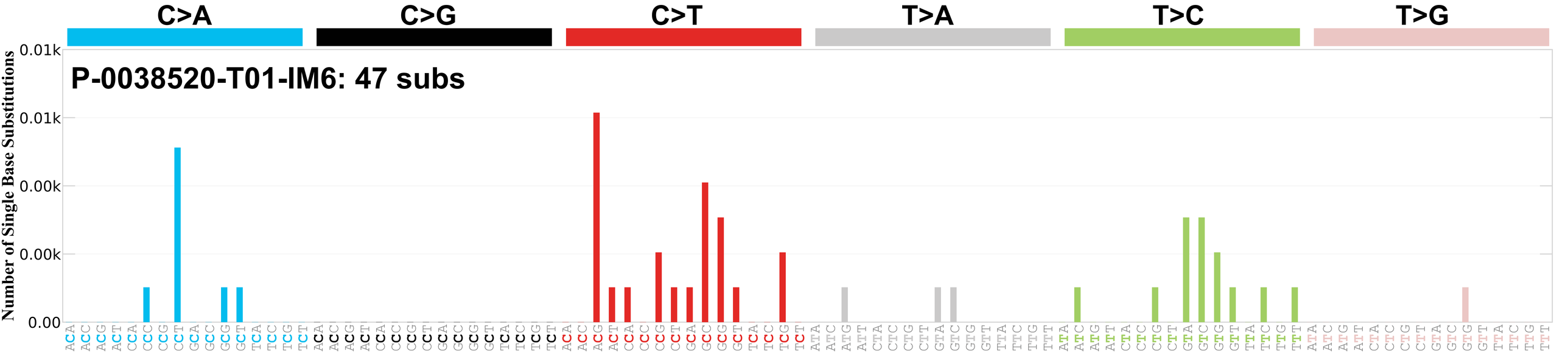
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0038520-T01-IM6: 47 subs
Number of Single Base Substitutions
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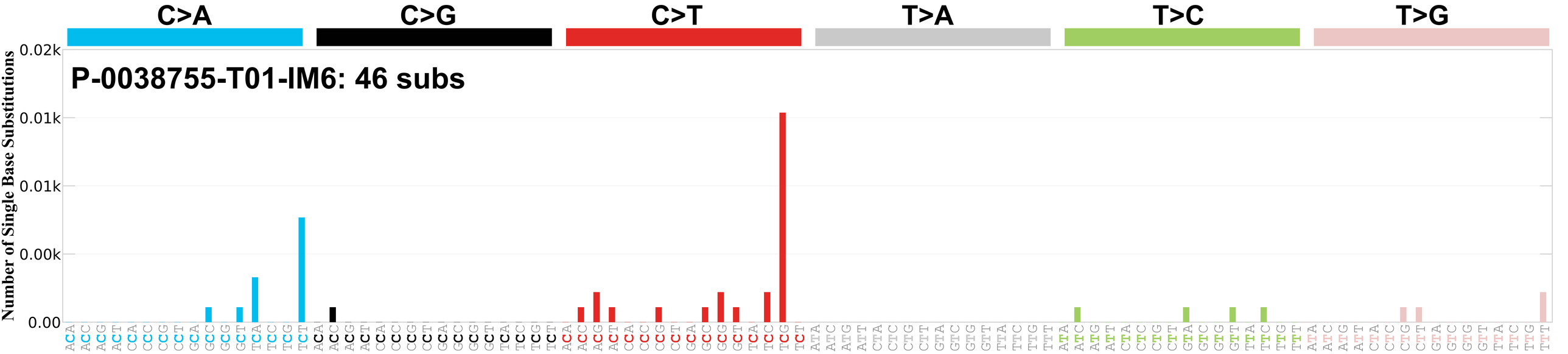
0.01k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0038755-T01-IM6: 46 subs
Number of Single Base Substitutions
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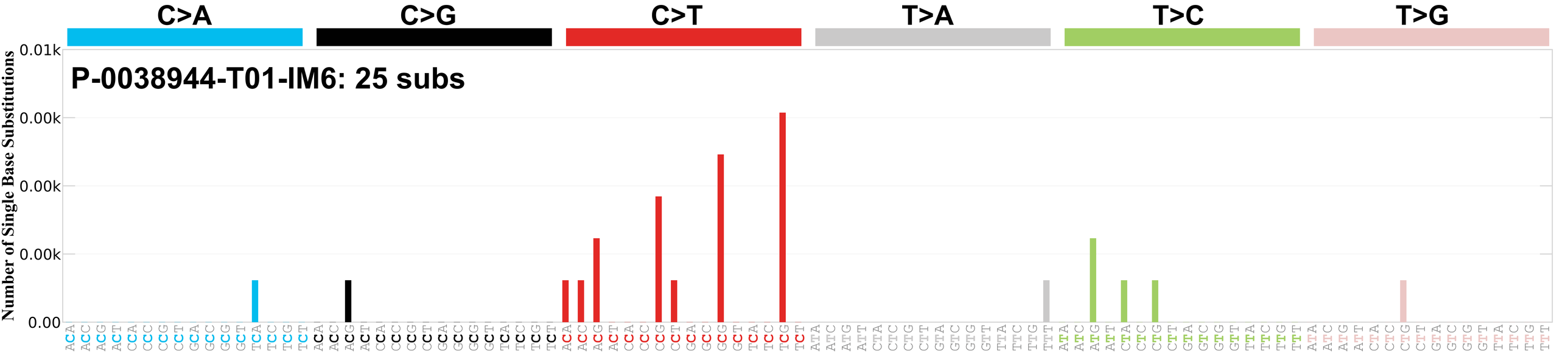
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0038944-T01-IM6: 25 subs
Number of Single Base Substitutions
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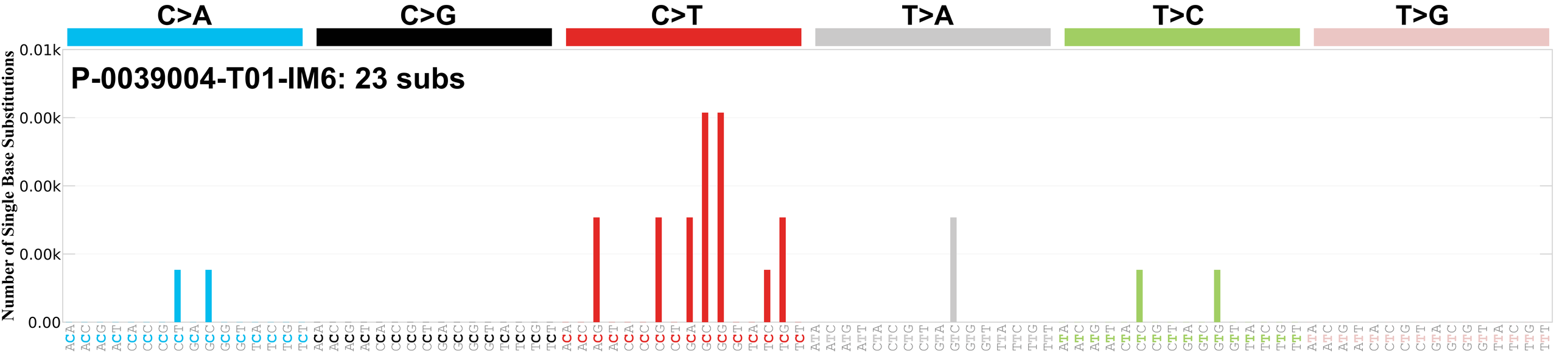
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0039004-T01-IM6: 23 subs
Number of Single Base Substitutions
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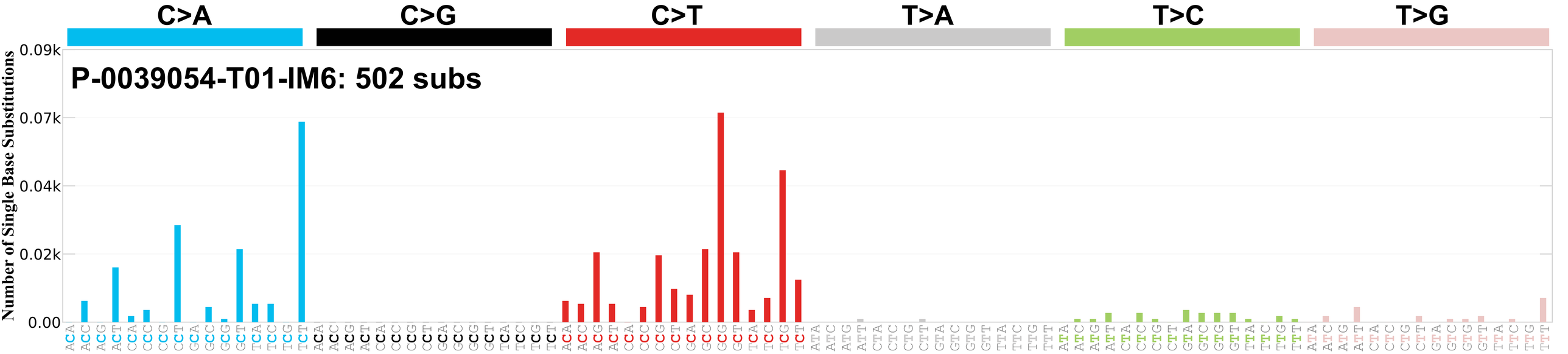
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0039054-T01-IM6: 502 subs
Number of Single Base Substitutions
0.09k
0.07k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
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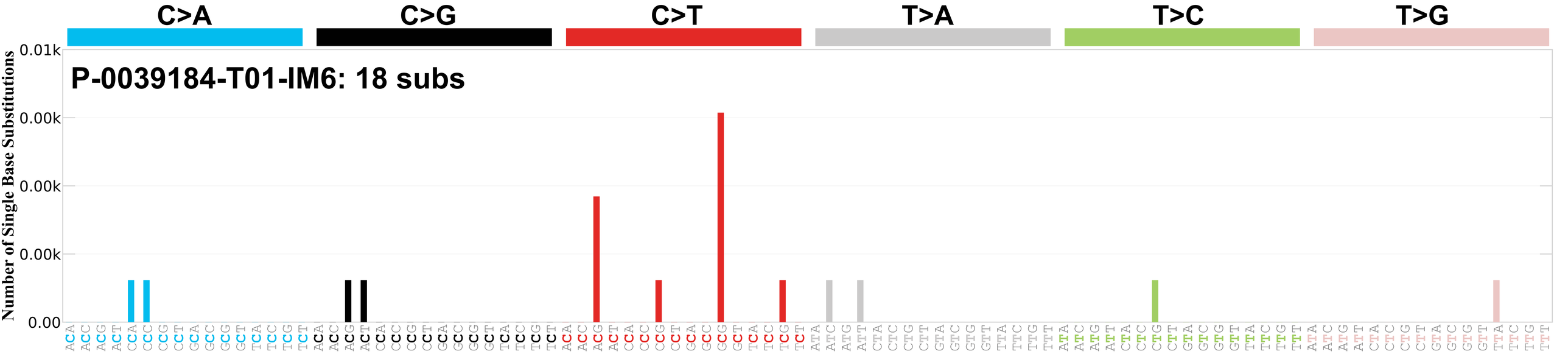
C>A
C>G
C>T
T>A
T>C
T>G
P-0039184-T01-IM6: 18 subs
Number of Single Base Substitutions
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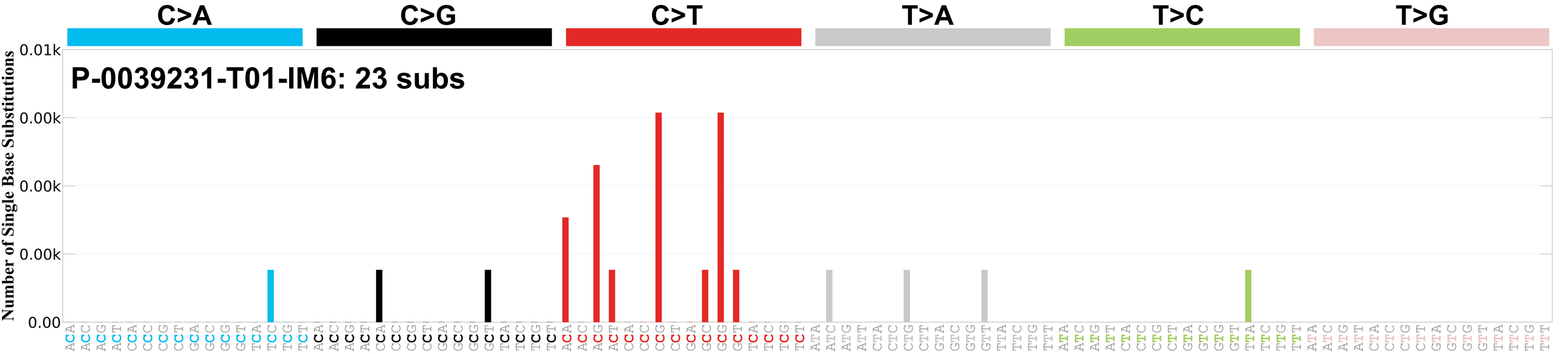
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0039231-T01-IM6: 23 subs
Number of Single Base Substitutions
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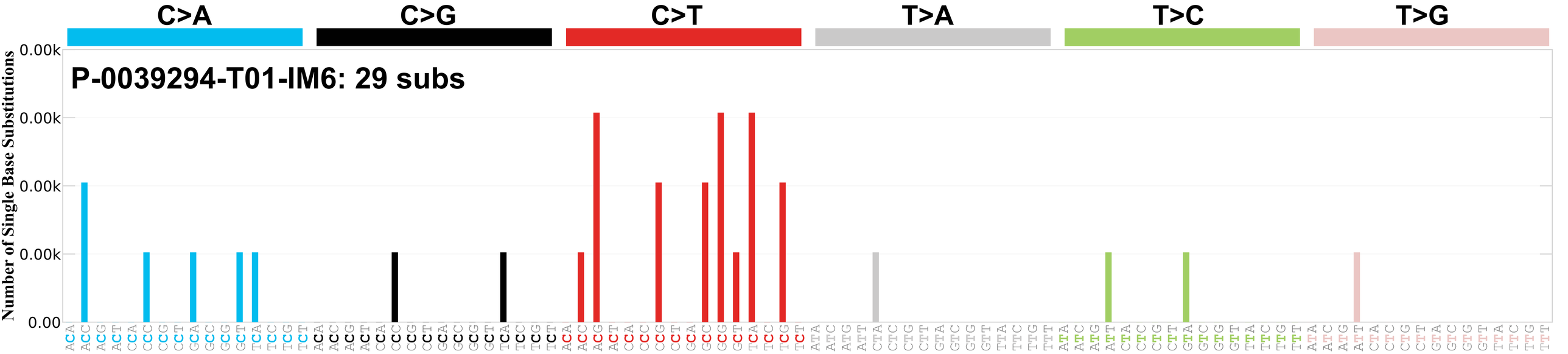
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0039294-T01-IM6: 29 subs
Number of Single Base Substitutions
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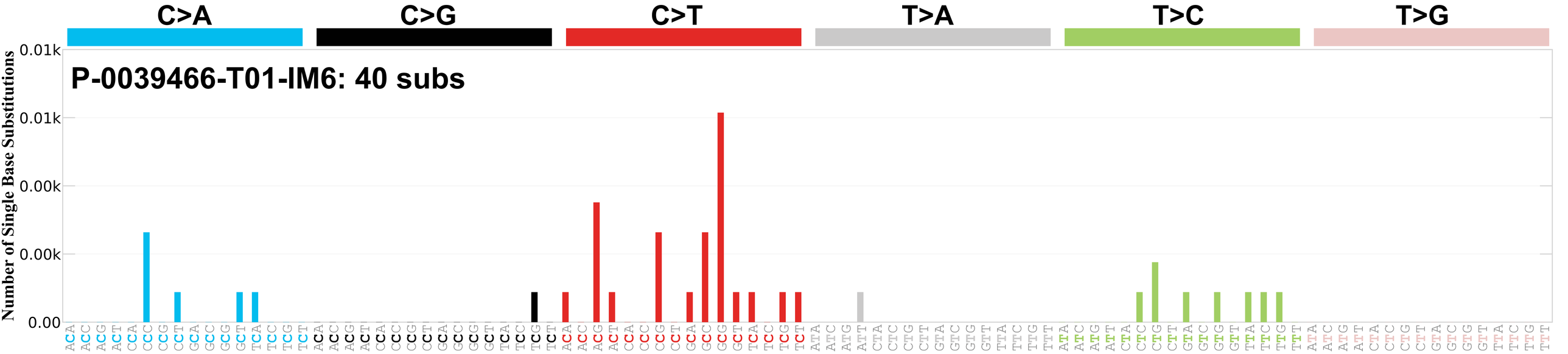
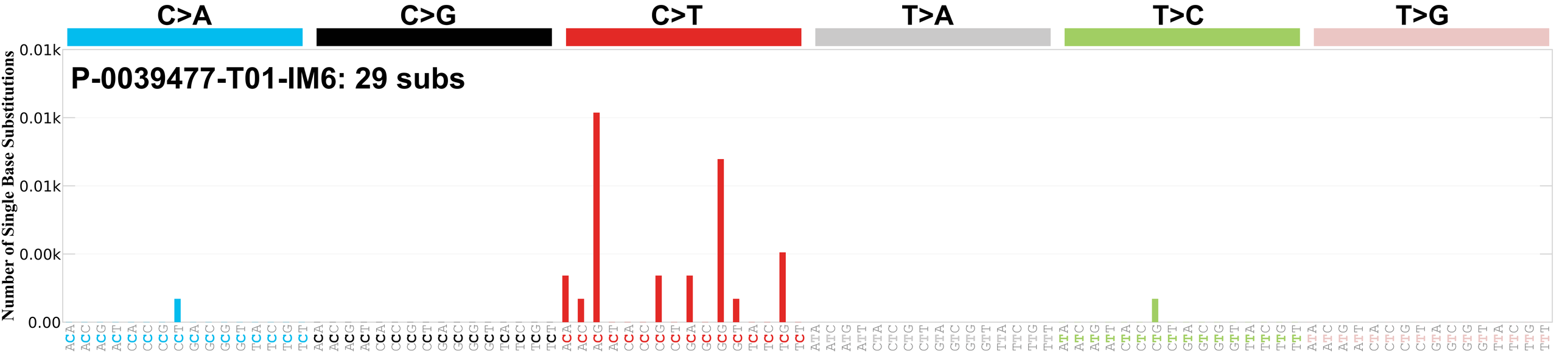
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0039466-T01-IM6: 40 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0039477-T01-IM6: 29 subs
Number of Single Base Substitutions
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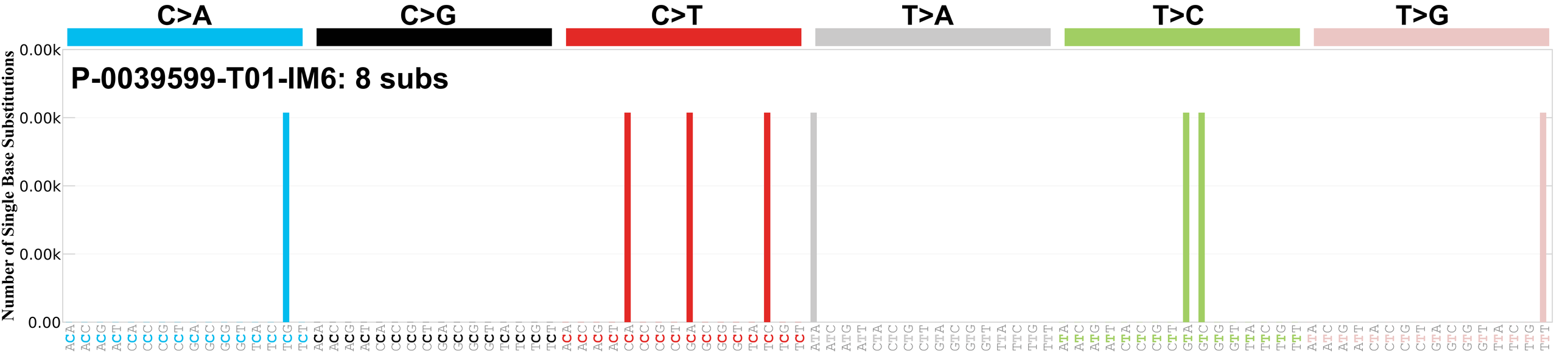
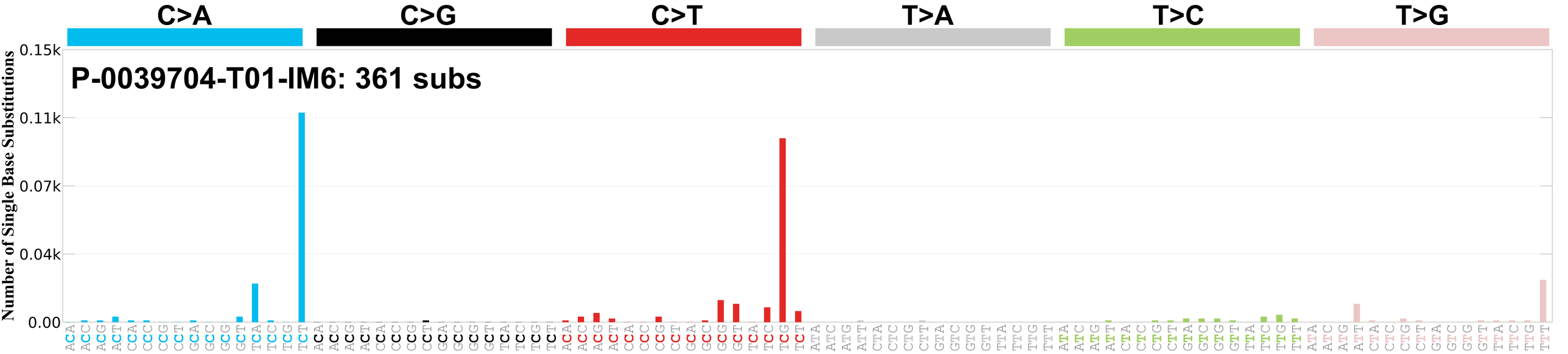
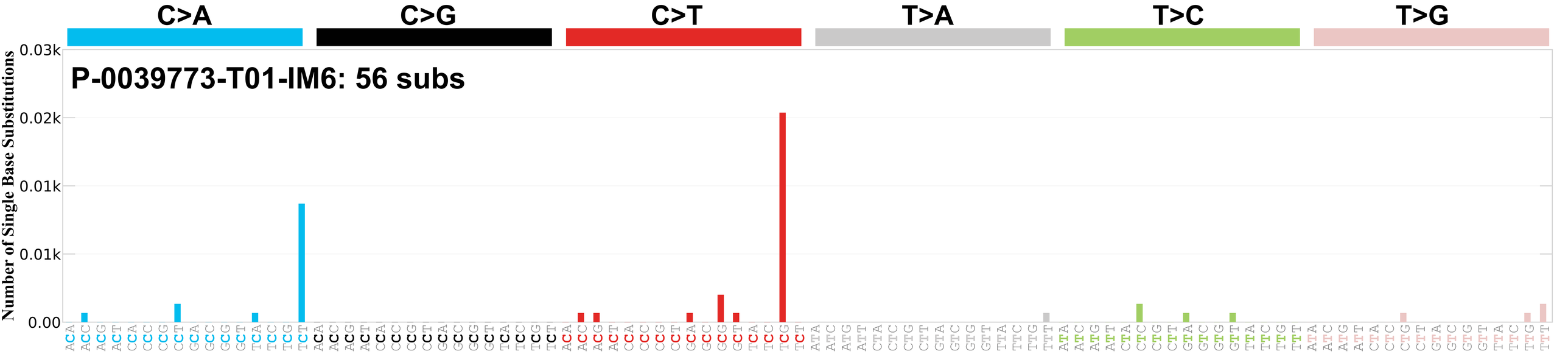
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0039599-T01-IM6: 8 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0039704-T01-IM6: 361 subs
Number of Single Base Substitutions
0.15k
0.11k
0.07k
0.04k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0039773-T01-IM6: 56 subs
Number of Single Base Substitutions
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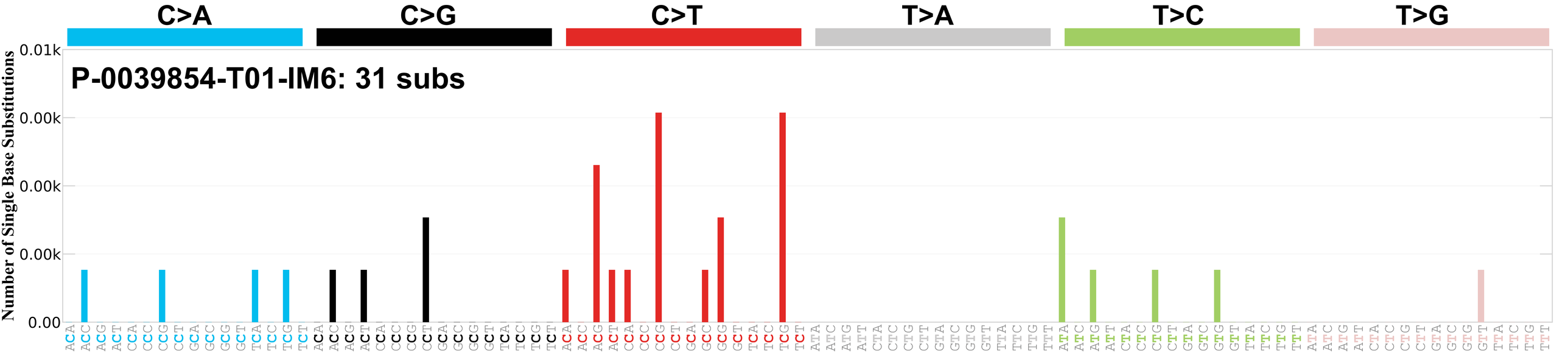
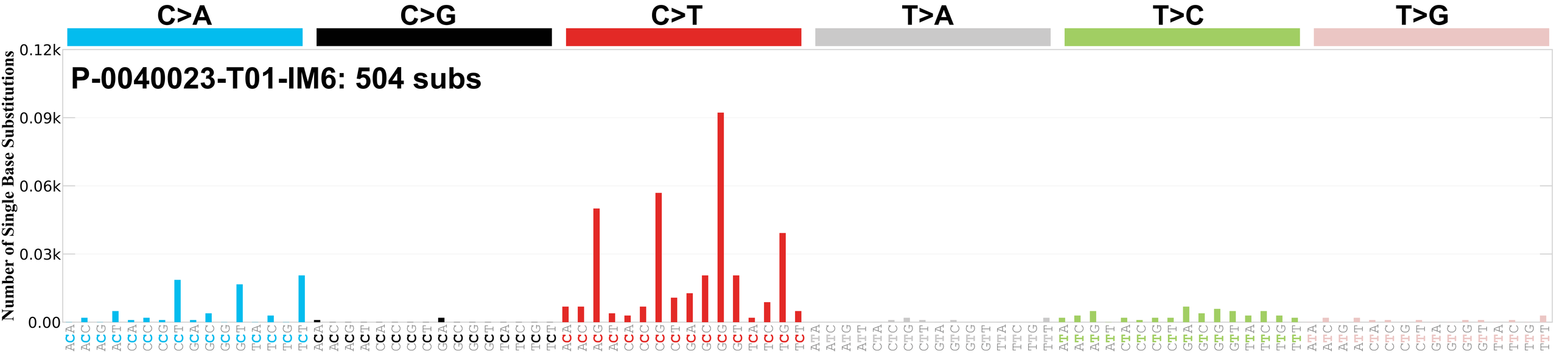
0.02k
0.01k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0039854-T01-IM6: 31 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040023-T01-IM6: 504 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
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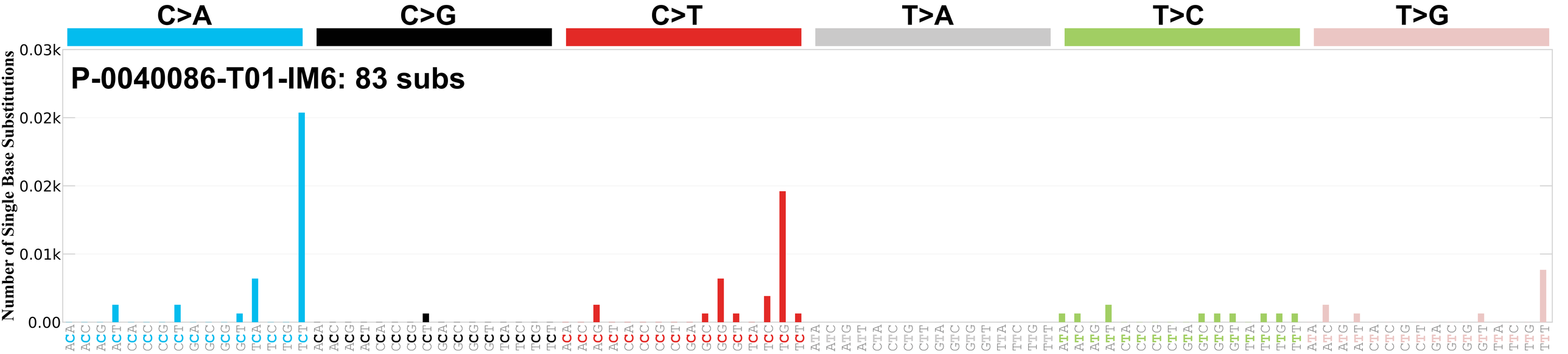
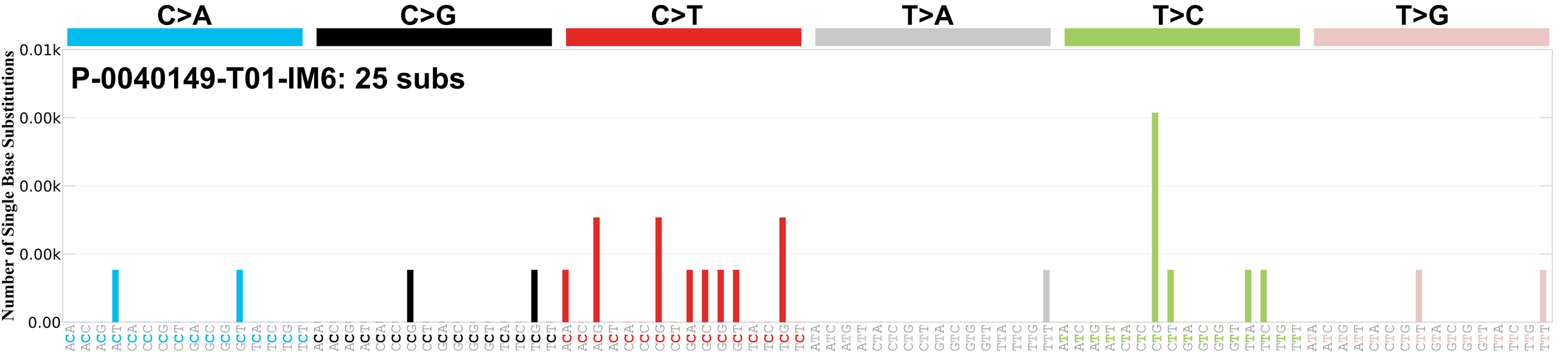
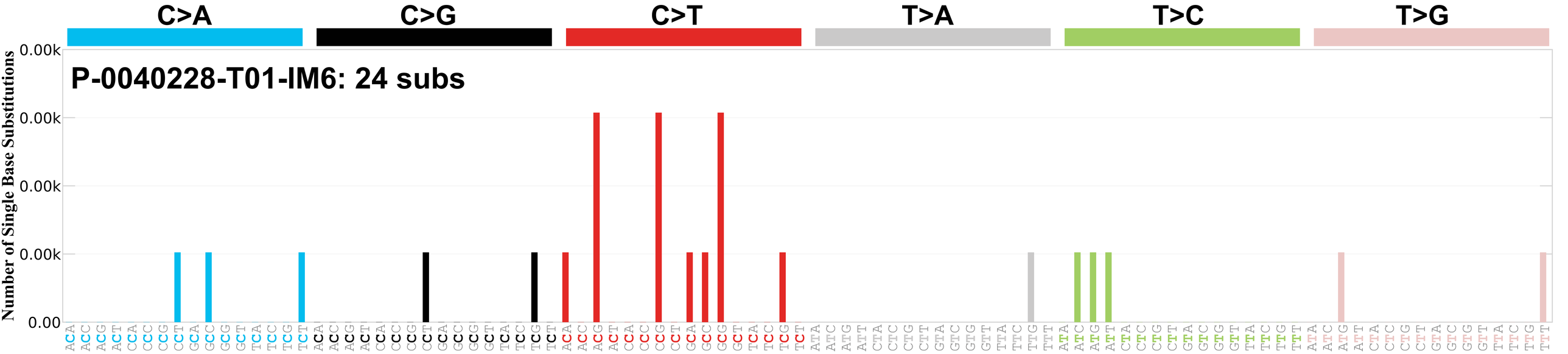
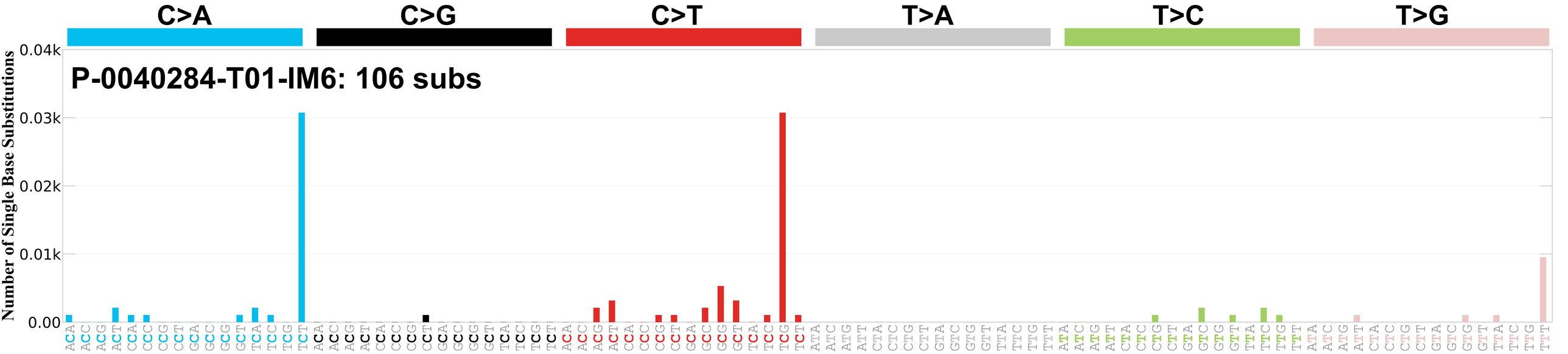
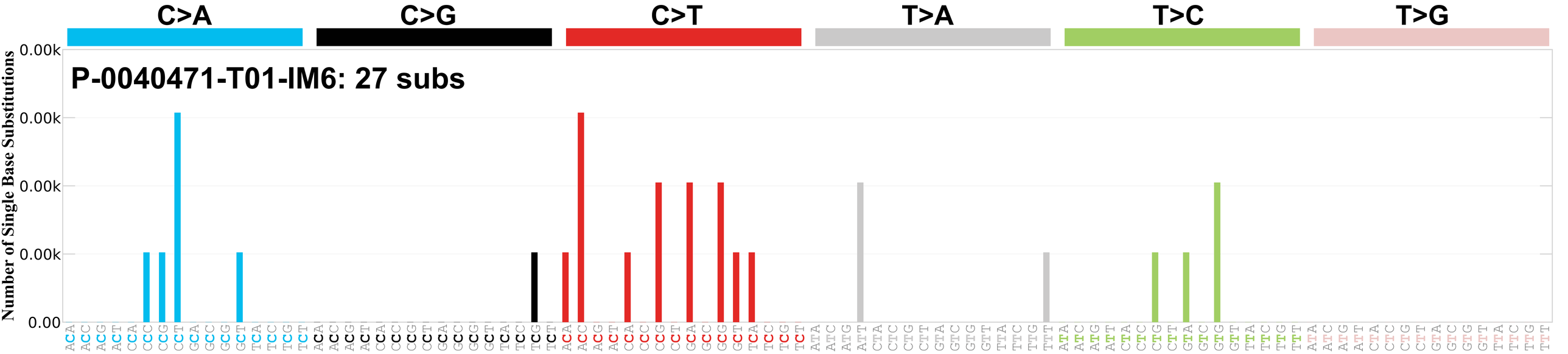
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

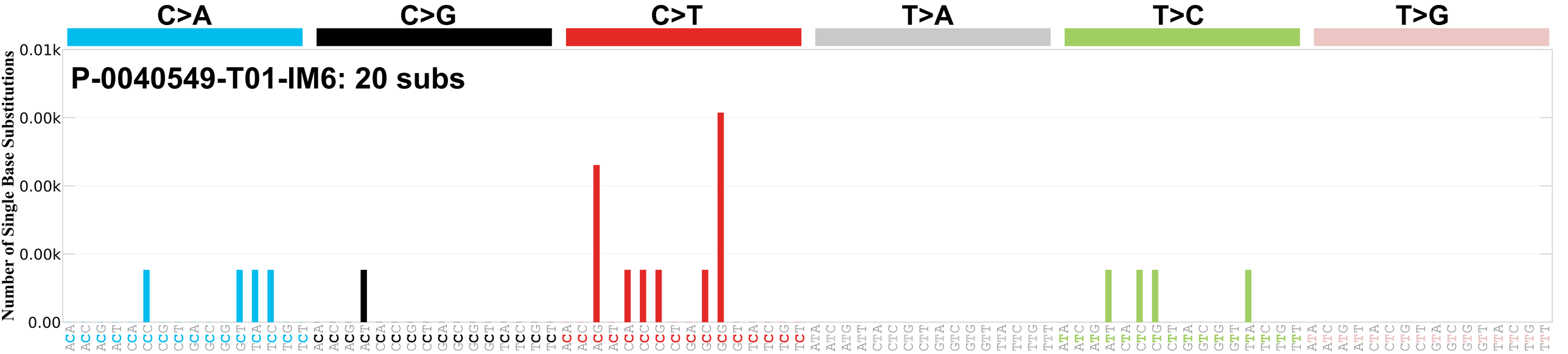

C>A
C>G
C>T
T>A
T>C
T>G
P-0040086-T01-IM6: 83 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

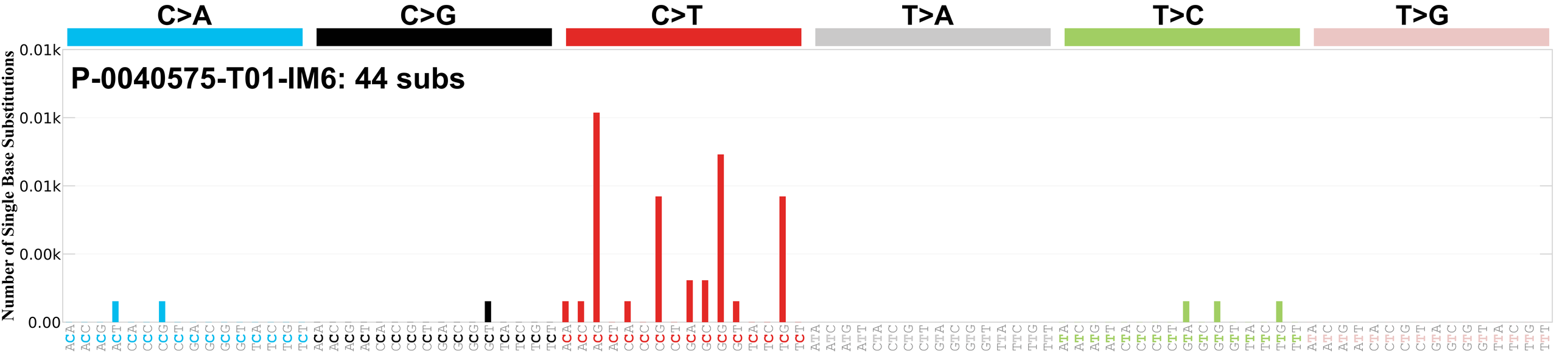

C>A
C>G
C>T
T>A
T>C
T>G
P-0040149-T01-IM6: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040228-T01-IM6: 24 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040284-T01-IM6: 106 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040471-T01-IM6: 27 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040549-T01-IM6: 20 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040575-T01-IM6: 44 subs
Number of Single Base Substitutions
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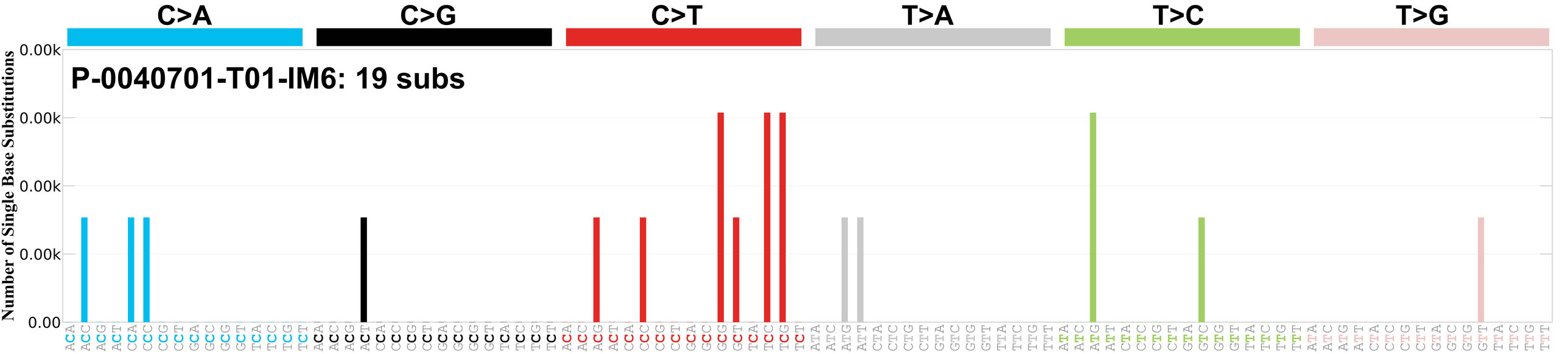
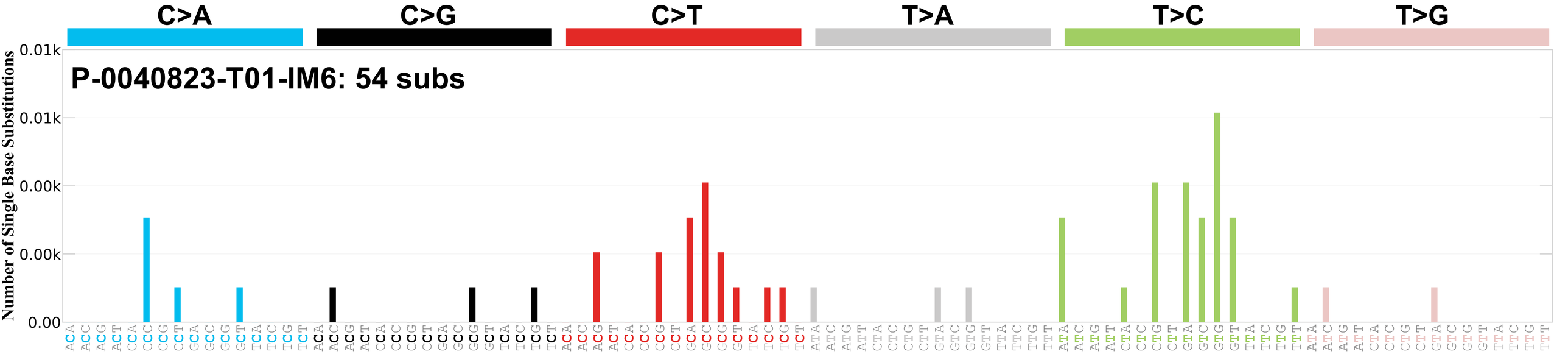
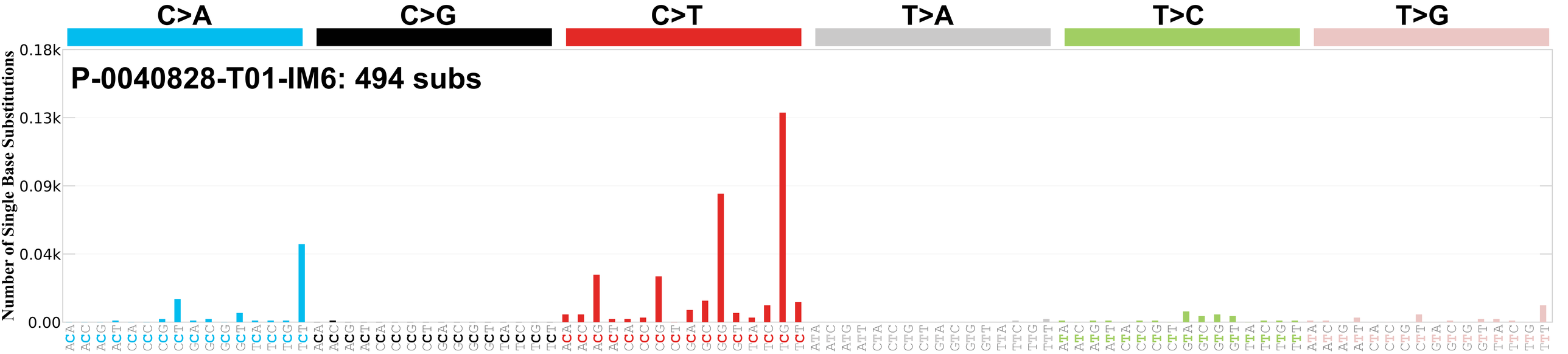
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040701-T01-IM6: 19 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040823-T01-IM6: 54 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040828-T01-IM6: 494 subs
Number of Single Base Substitutions
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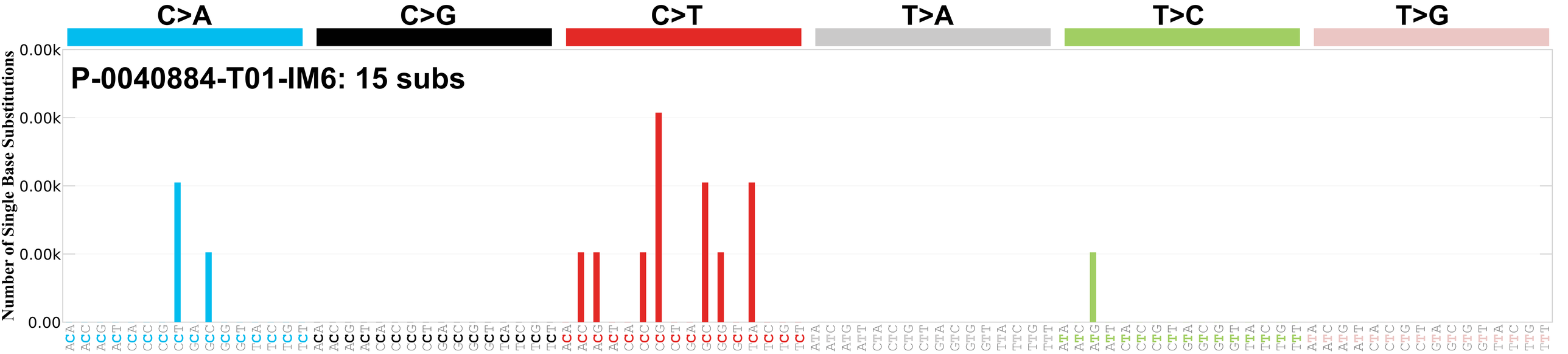
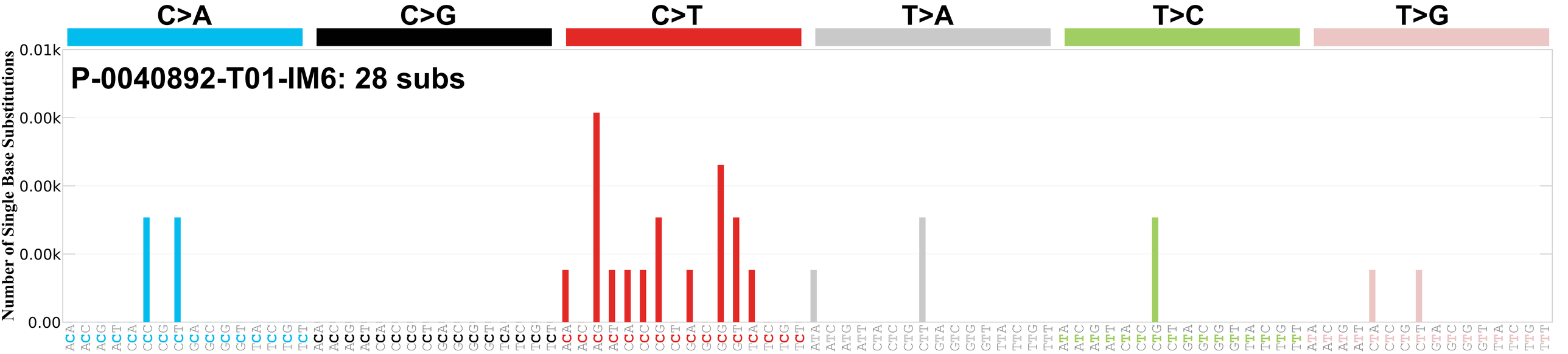
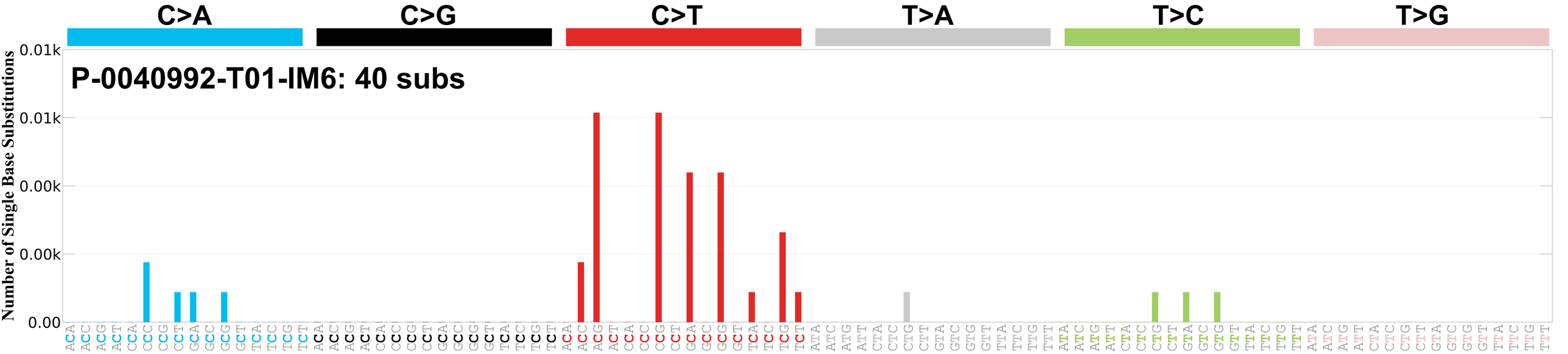
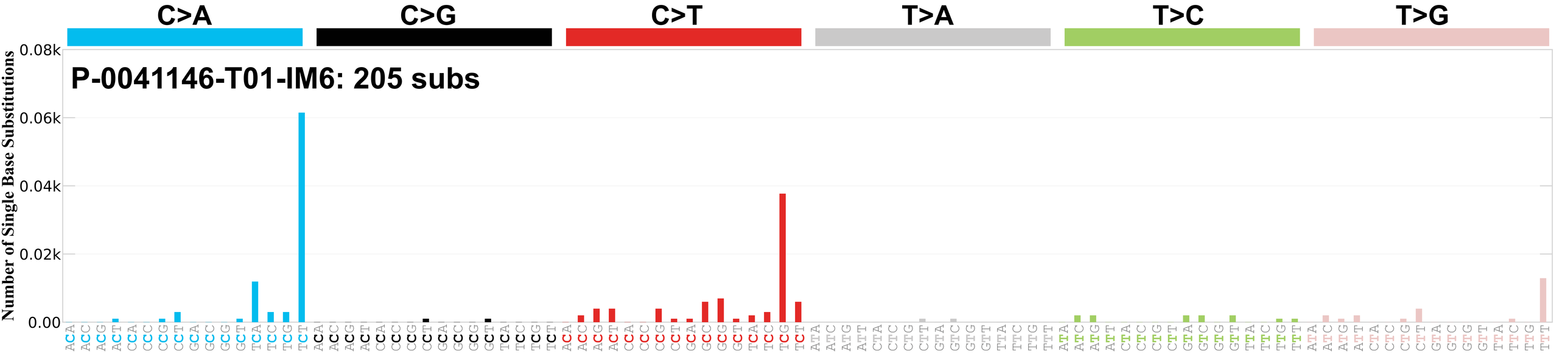
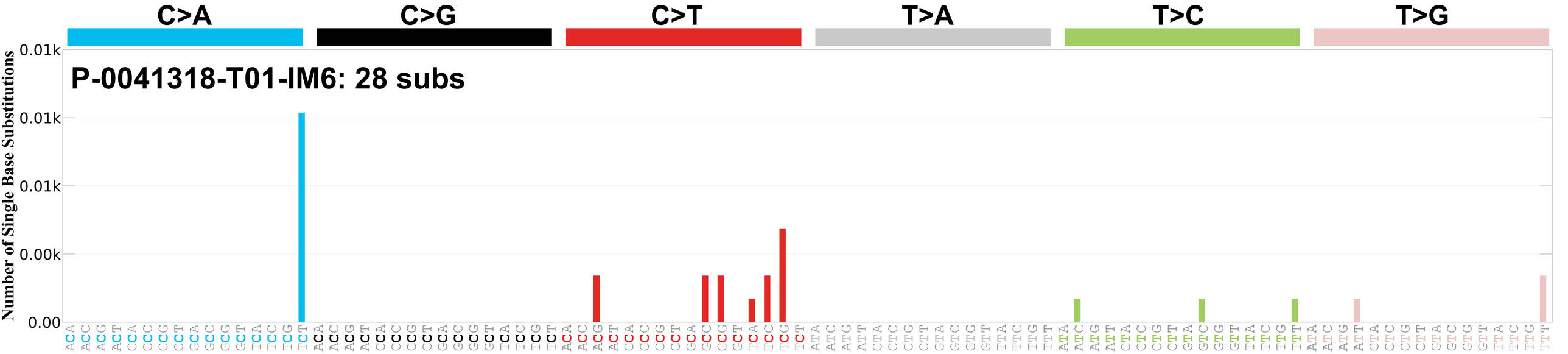
0.13k
0.09k
0.04k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040884-T01-IM6: 15 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0040892-T01-IM6: 28 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0040992-T01-IM6: 40 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0041146-T01-IM6: 205 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0041318-T01-IM6: 28 subs
Number of Single Base Substitutions
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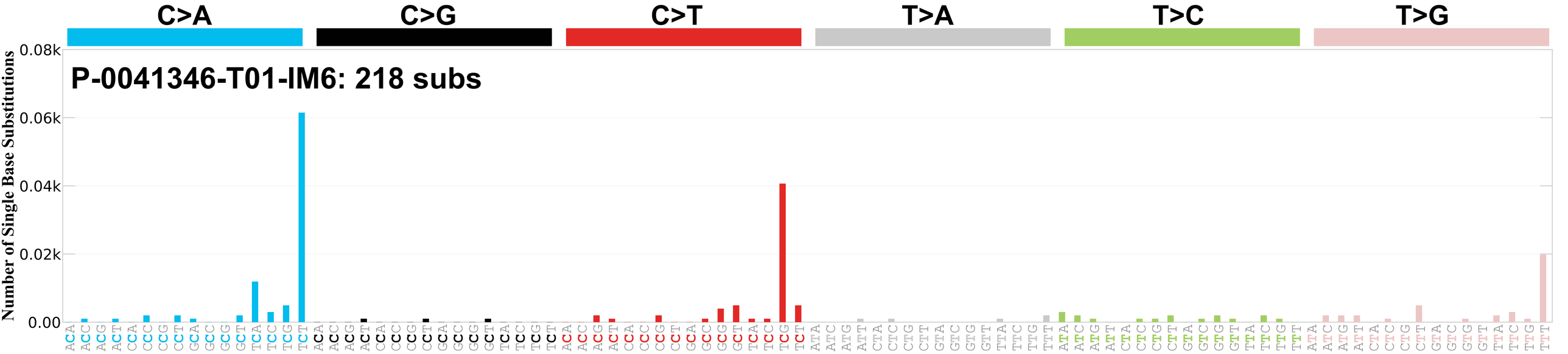
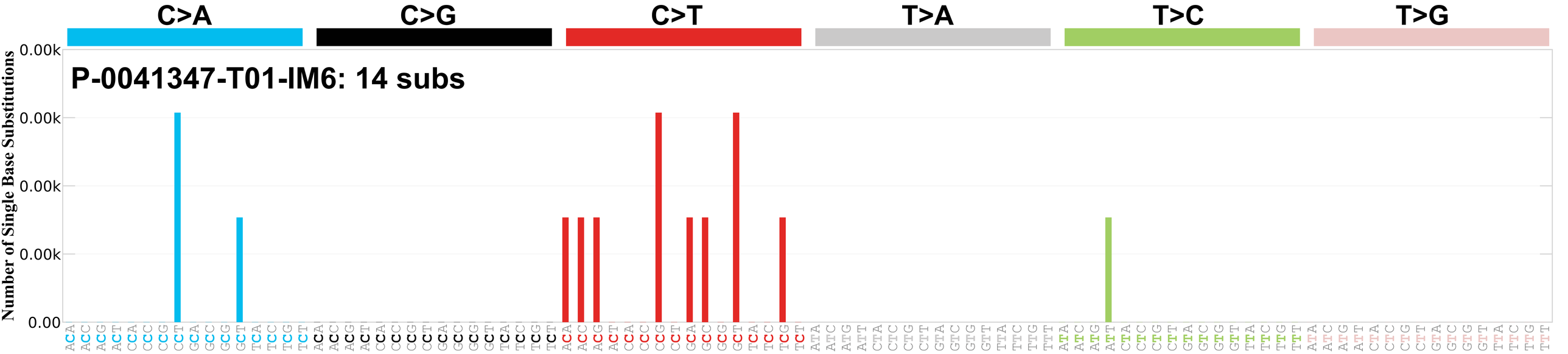
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0041346-T01-IM6: 218 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0041347-T01-IM6: 14 subs
Number of Single Base Substitutions
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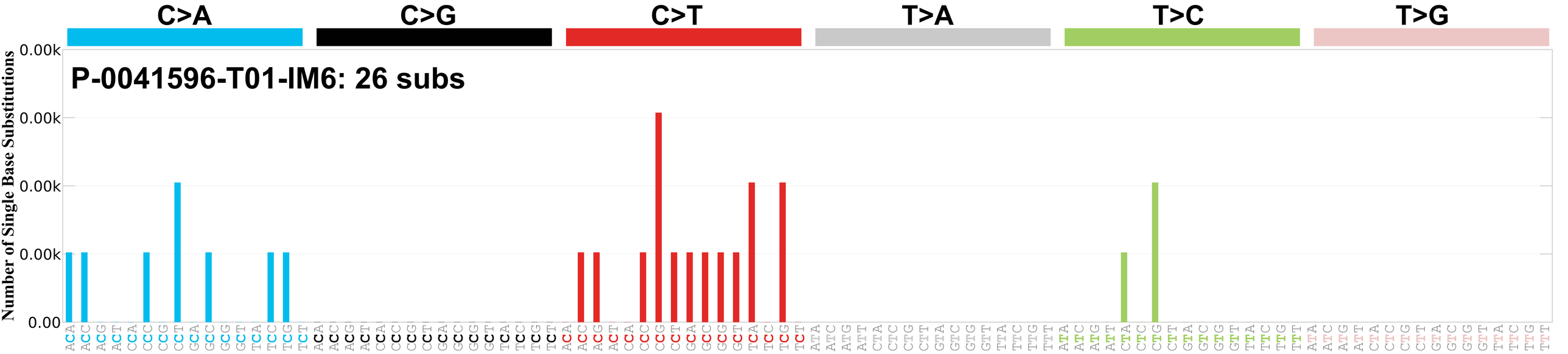
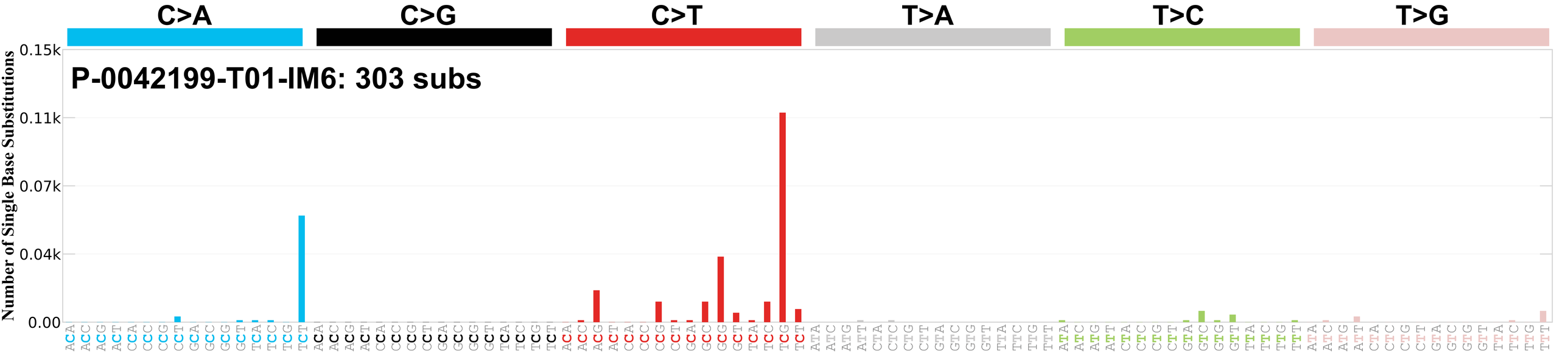
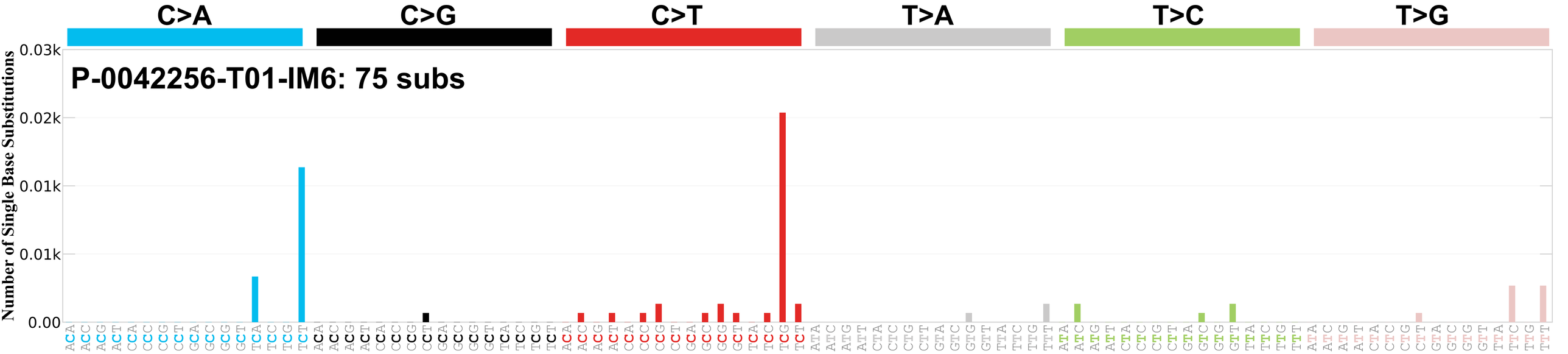
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0041596-T01-IM6: 26 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0042199-T01-IM6: 303 subs
Number of Single Base Substitutions
0.15k
0.11k
0.07k
0.04k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0042256-T01-IM6: 75 subs
Number of Single Base Substitutions
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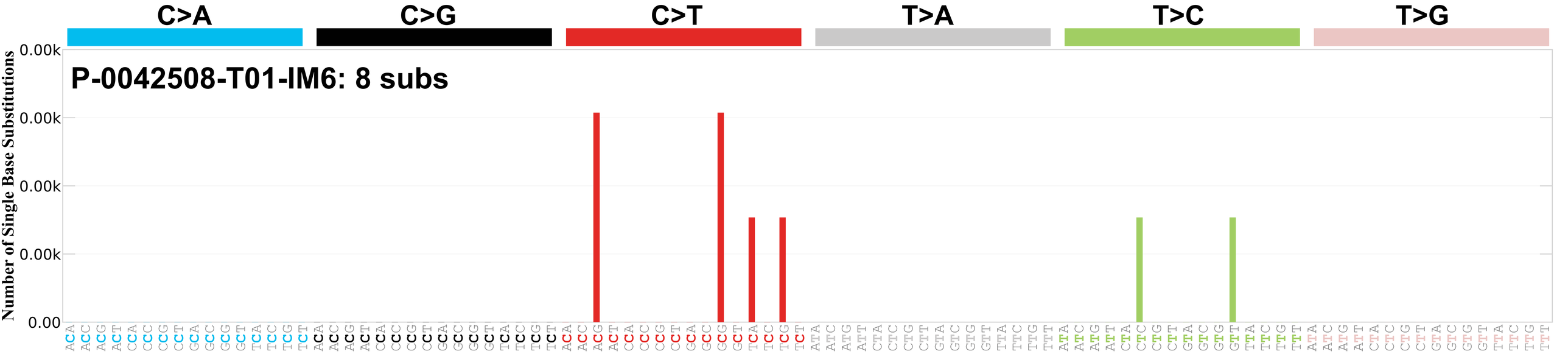
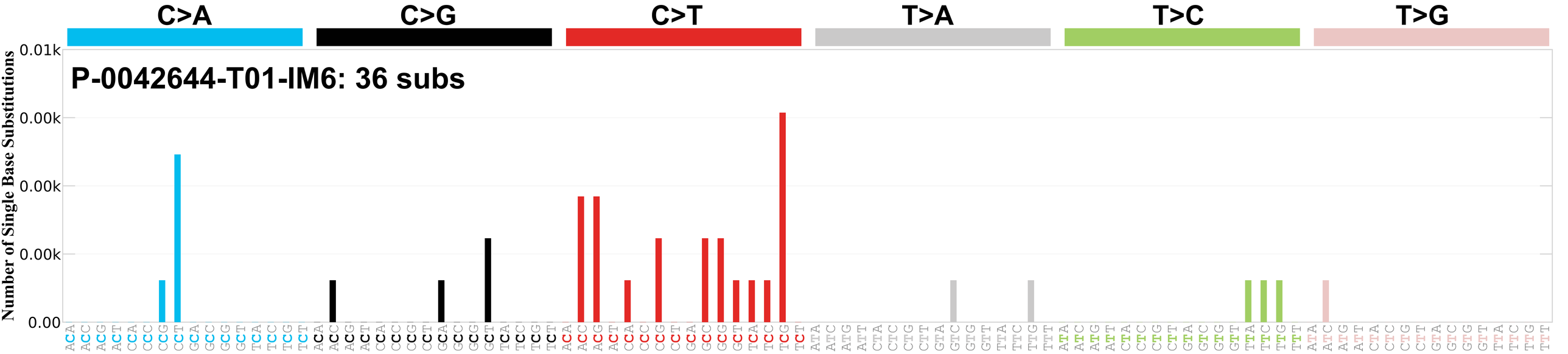
0.02k
0.01k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0042508-T01-IM6: 8 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0042644-T01-IM6: 36 subs
Number of Single Base Substitutions
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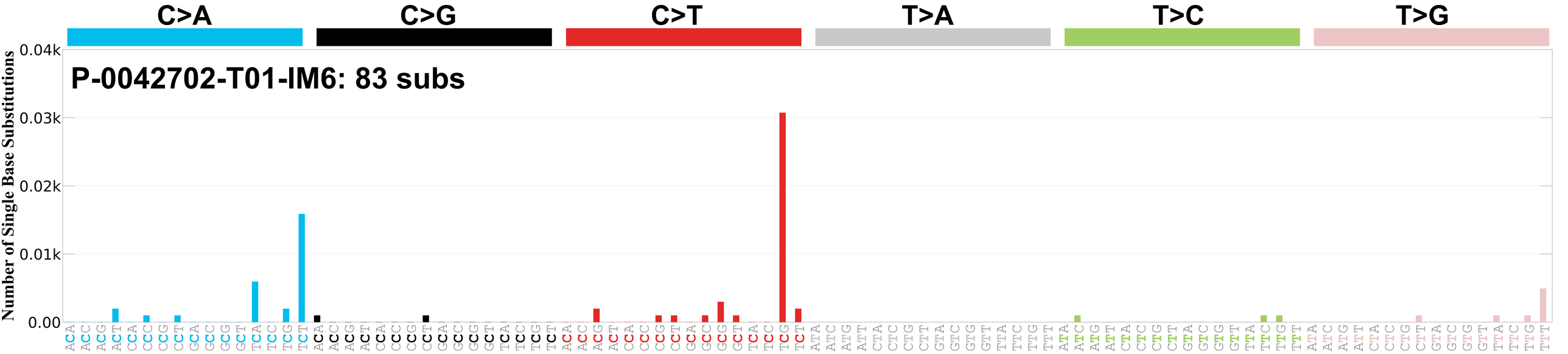
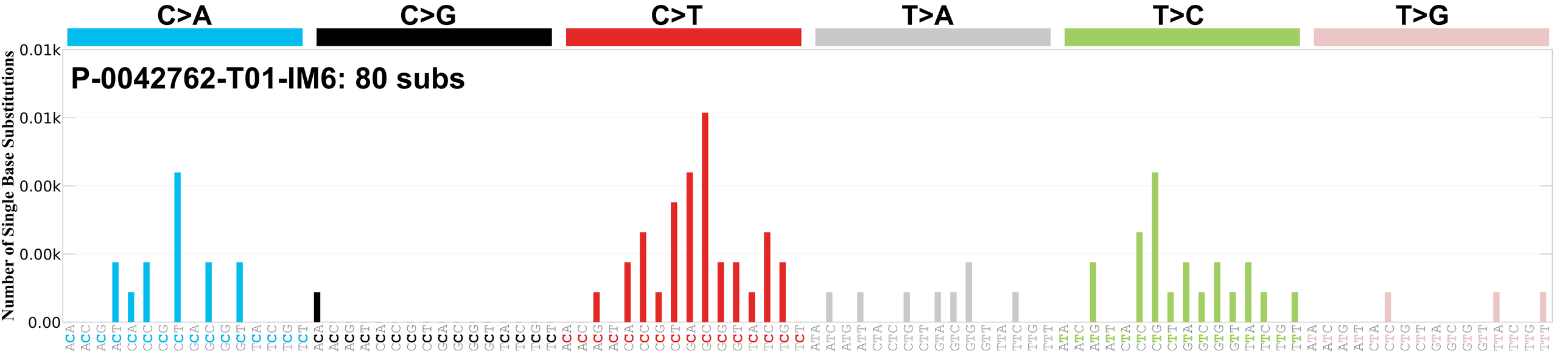
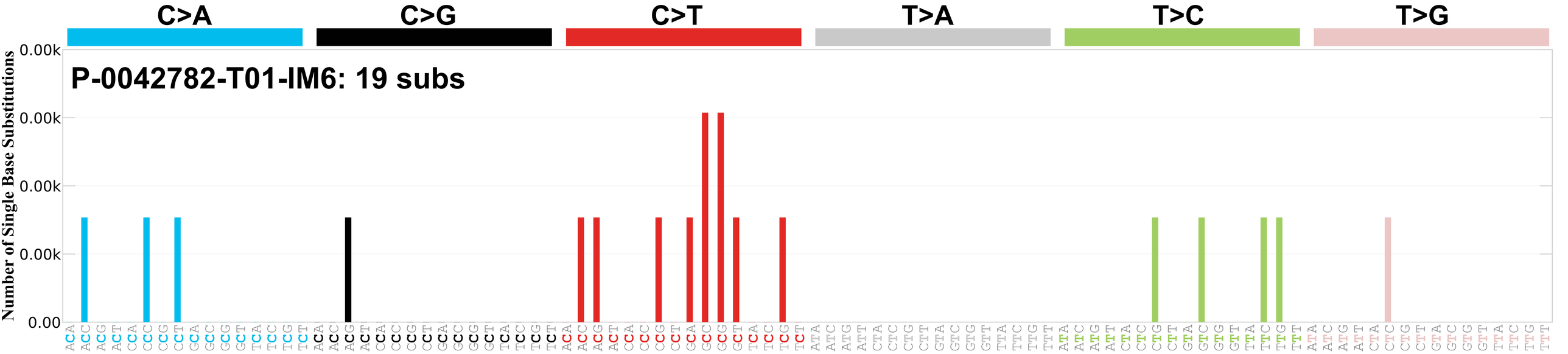
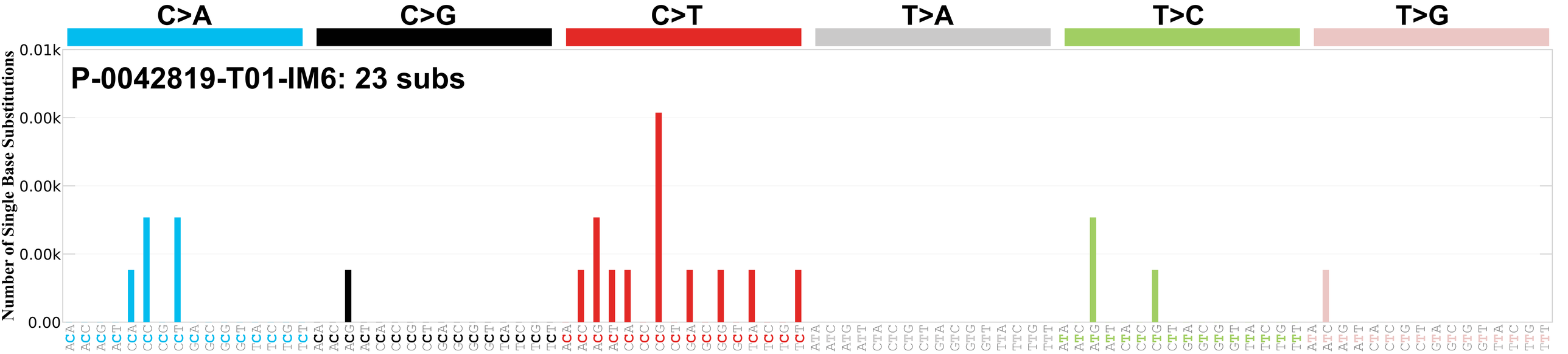
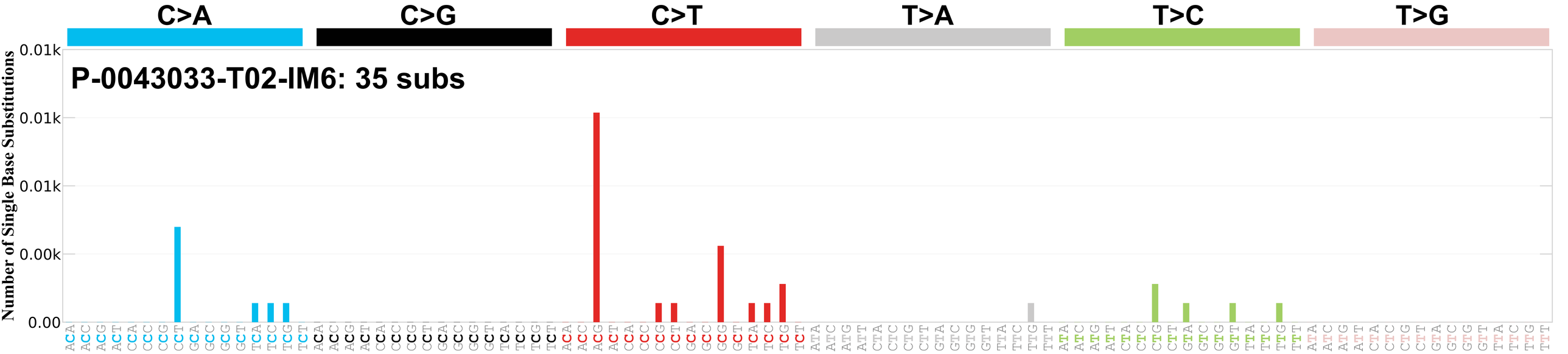
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0042702-T01-IM6: 83 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0042762-T01-IM6: 80 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0042782-T01-IM6: 19 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0042819-T01-IM6: 23 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0043033-T02-IM6: 35 subs
Number of Single Base Substitutions
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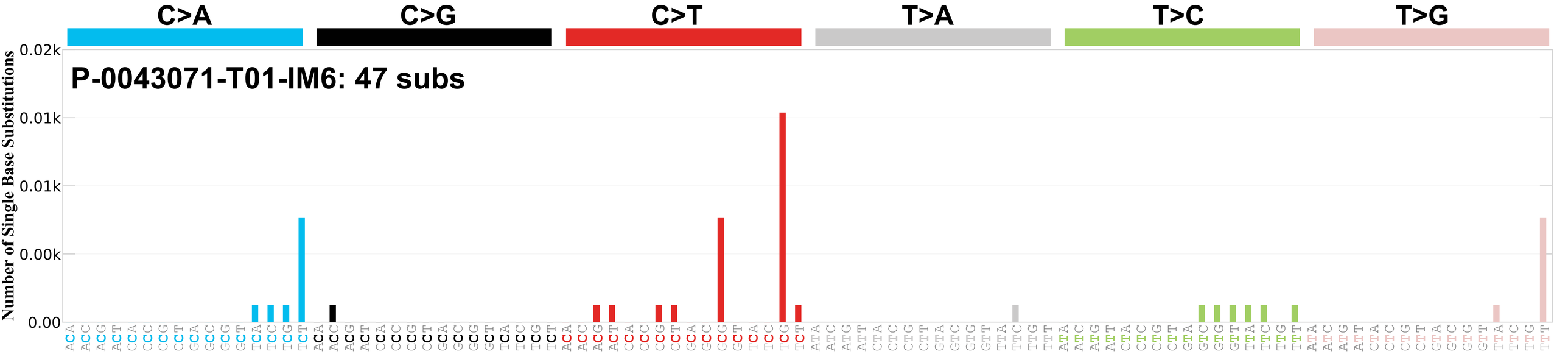
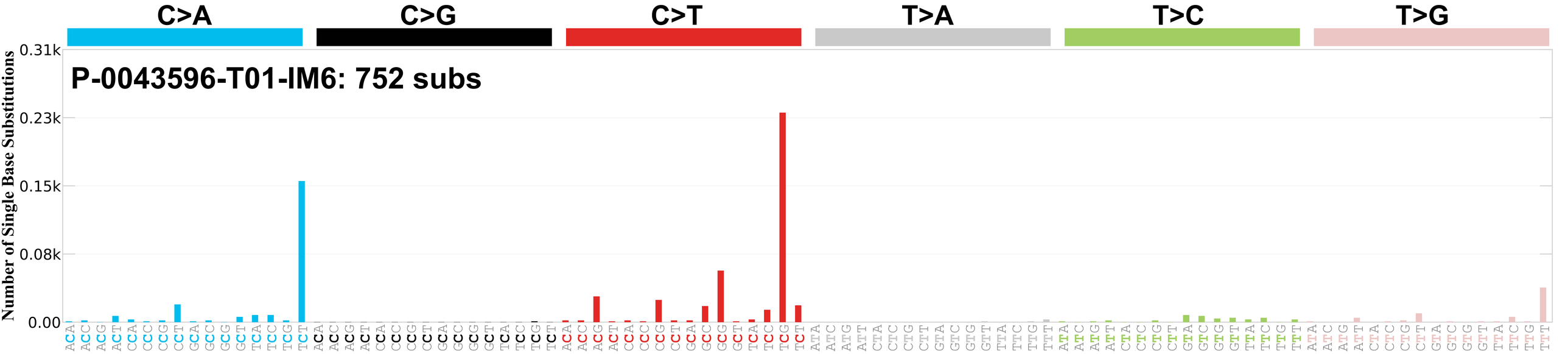
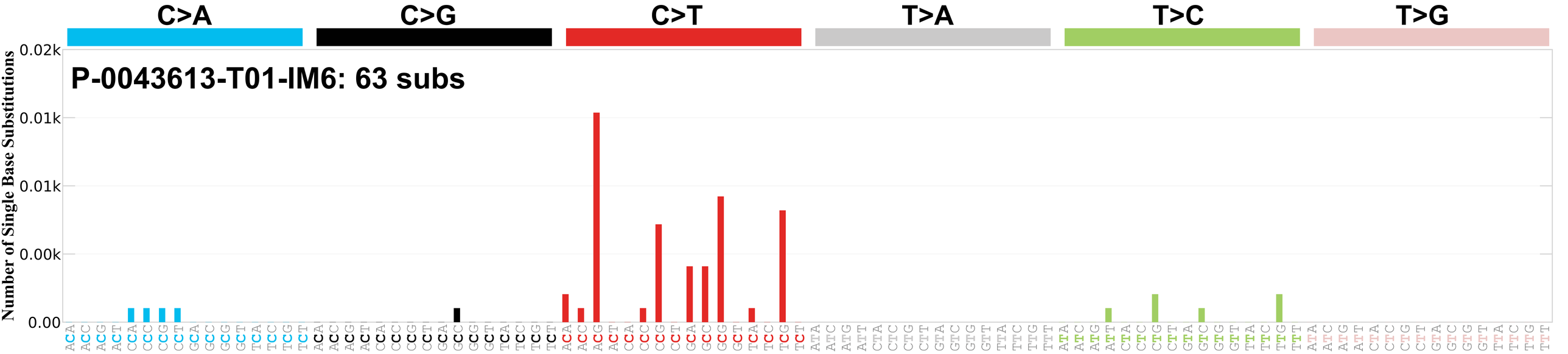
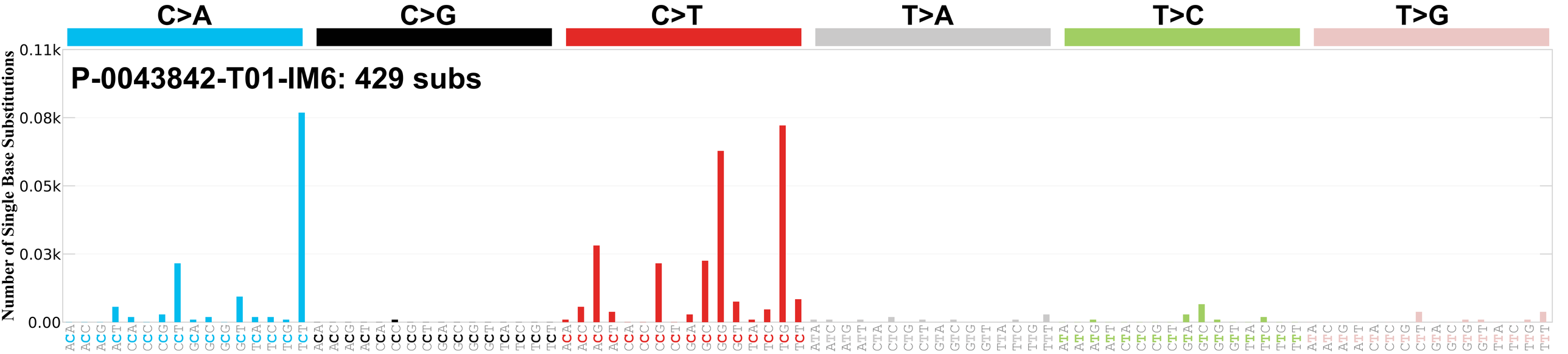
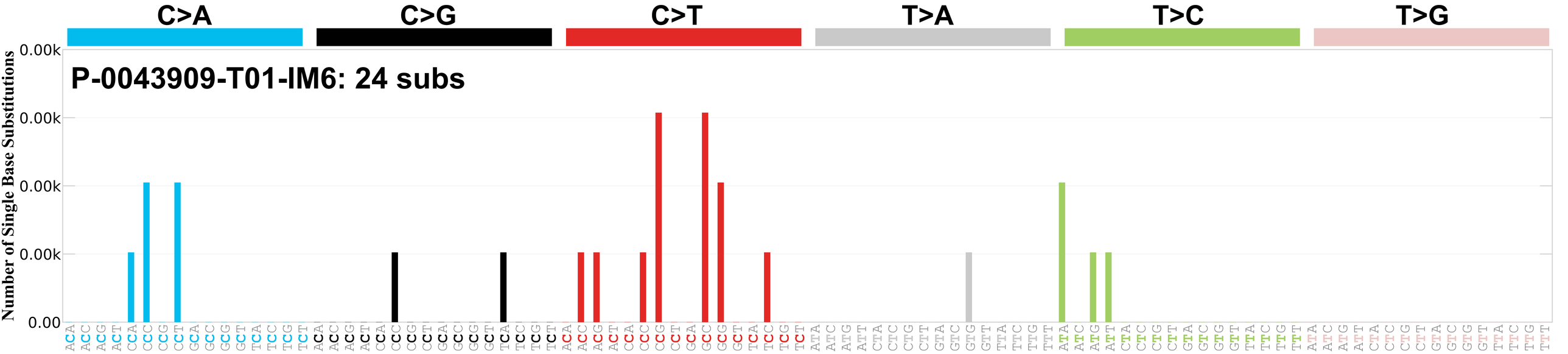
0.01k
0.01k
0.00k
0.00

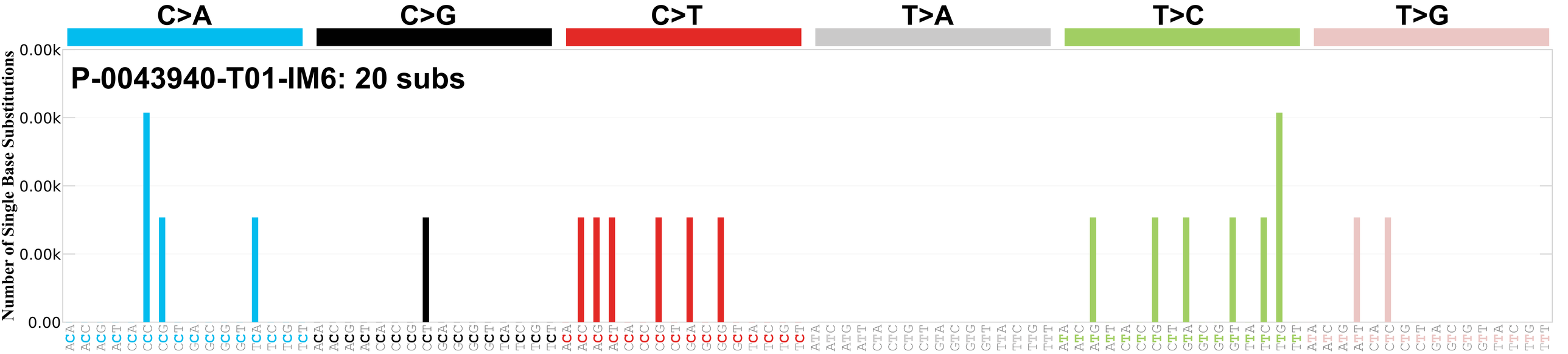

C>A
C>G
C>T
T>A
T>C
T>G
P-0043071-T01-IM6: 47 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0043596-T01-IM6: 752 subs
Number of Single Base Substitutions
0.31k
0.23k
0.15k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0043613-T01-IM6: 63 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0043842-T01-IM6: 429 subs
Number of Single Base Substitutions
0.11k
0.08k
0.05k
0.03k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0043909-T01-IM6: 24 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0043940-T01-IM6: 20 subs
Number of Single Base Substitutions
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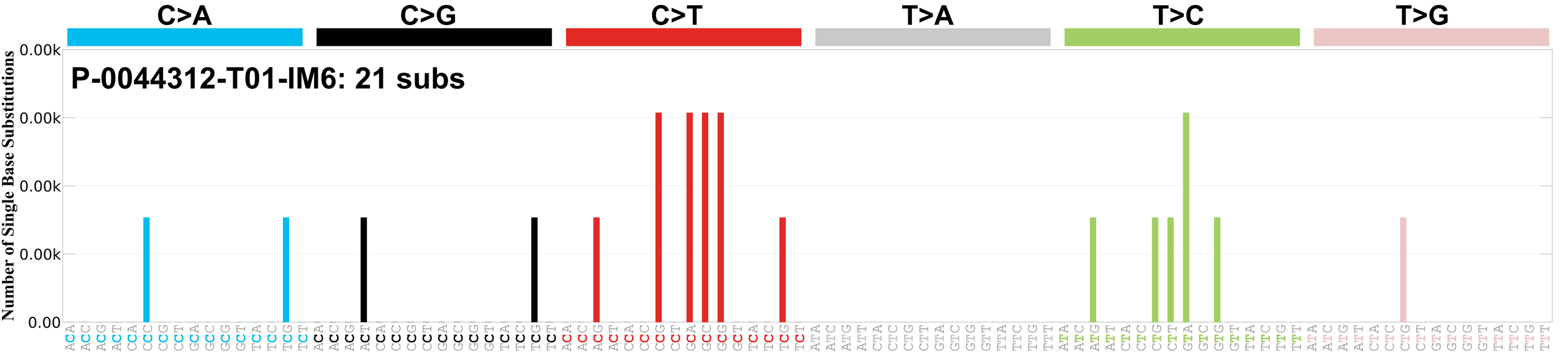
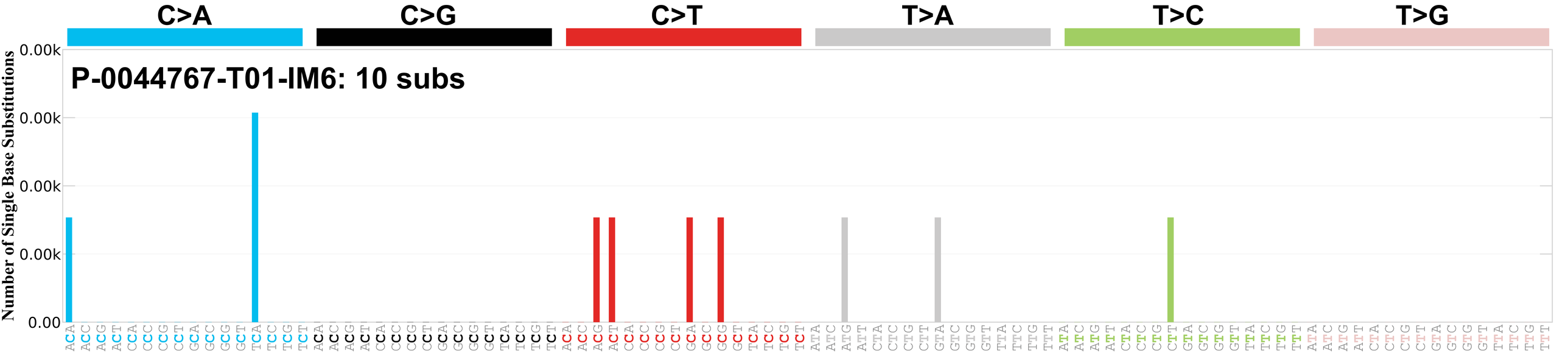
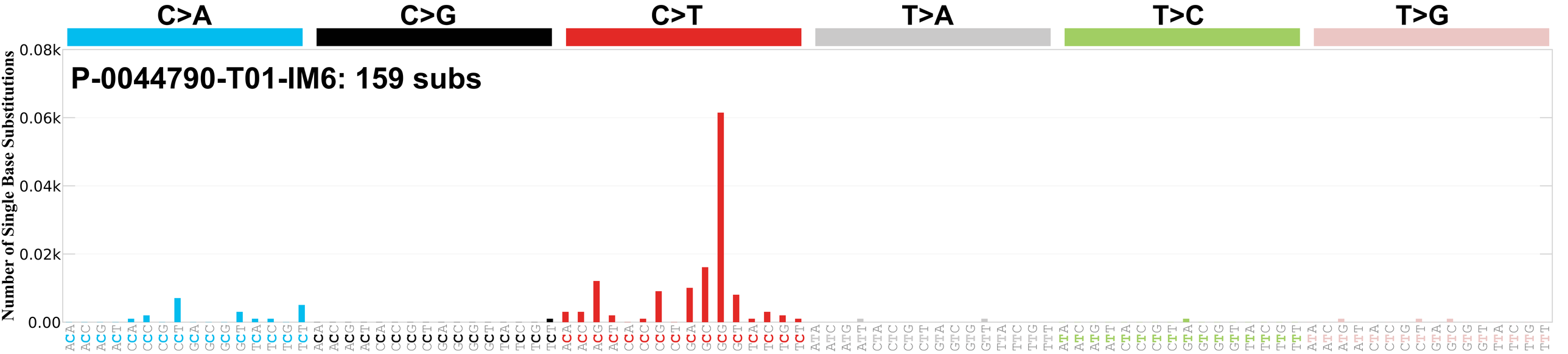
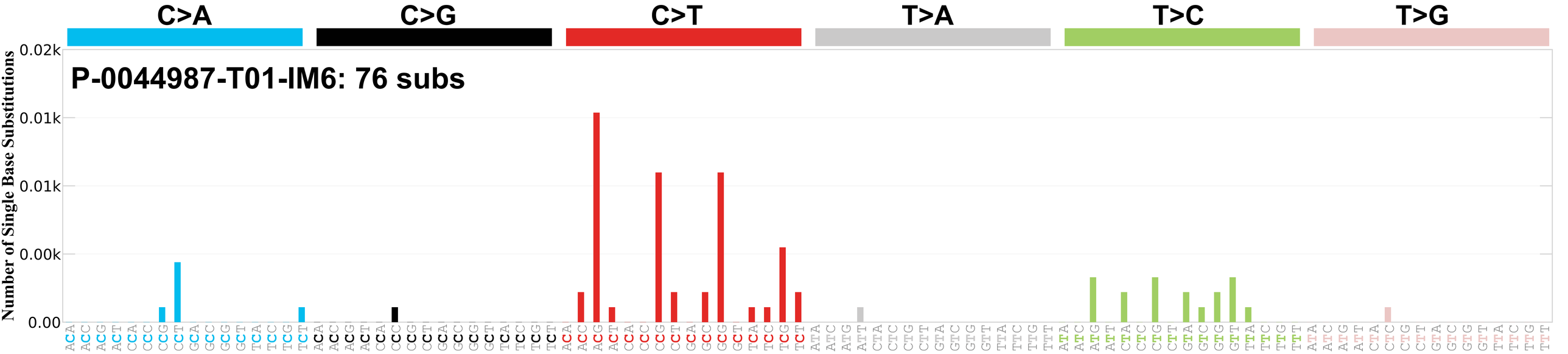
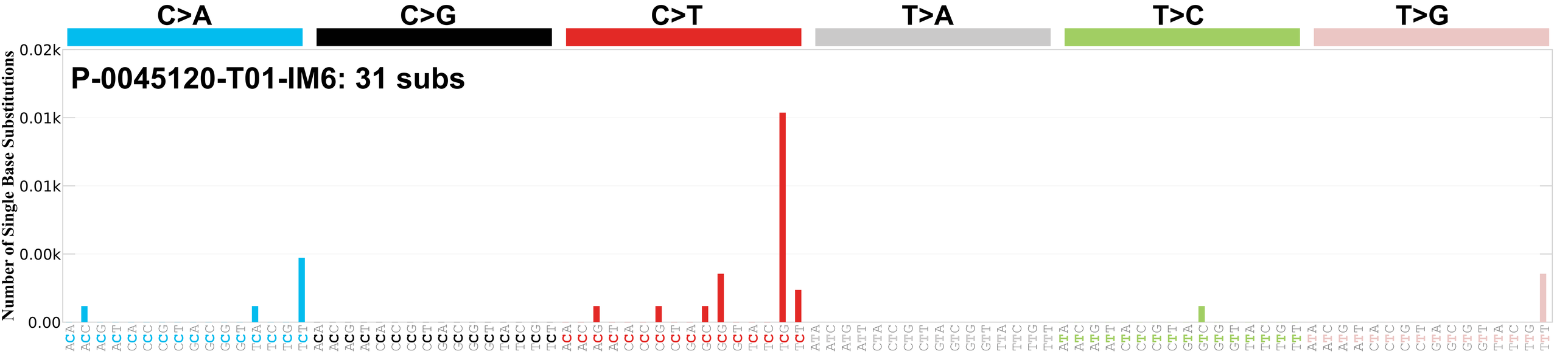
0.00k
0.00k
0.00k
0.00

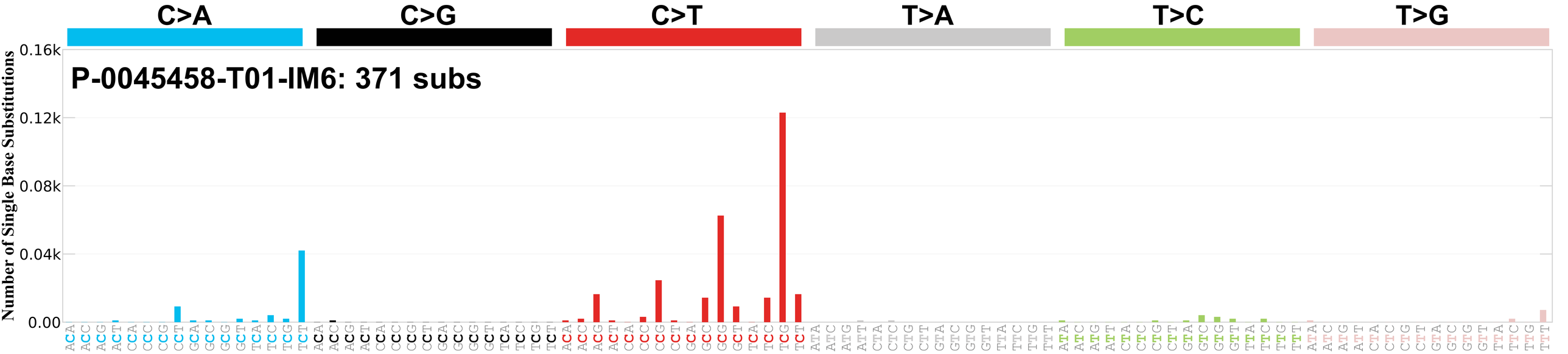

C>A
C>G
C>T
T>A
T>C
T>G
P-0044312-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

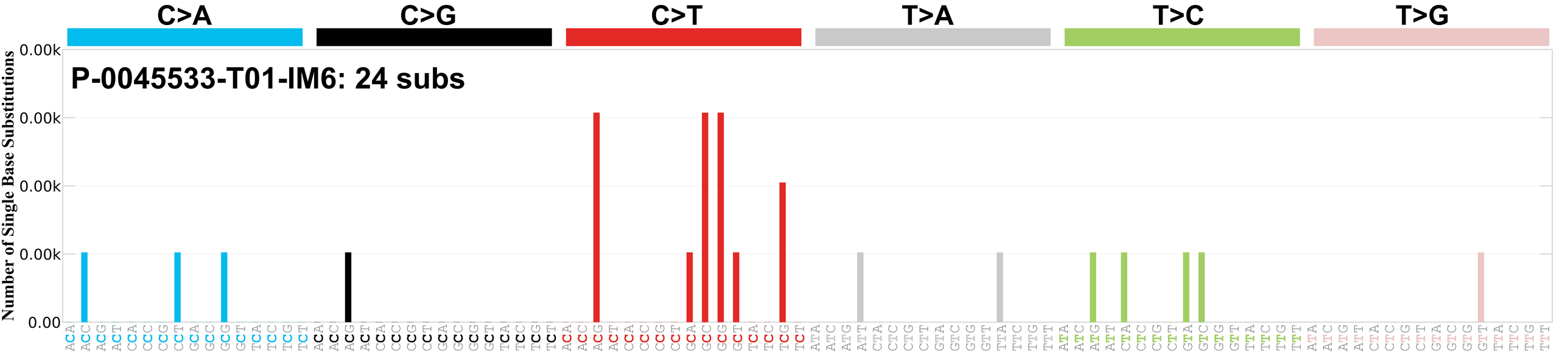

C>A
C>G
C>T
T>A
T>C
T>G
P-0044767-T01-IM6: 10 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

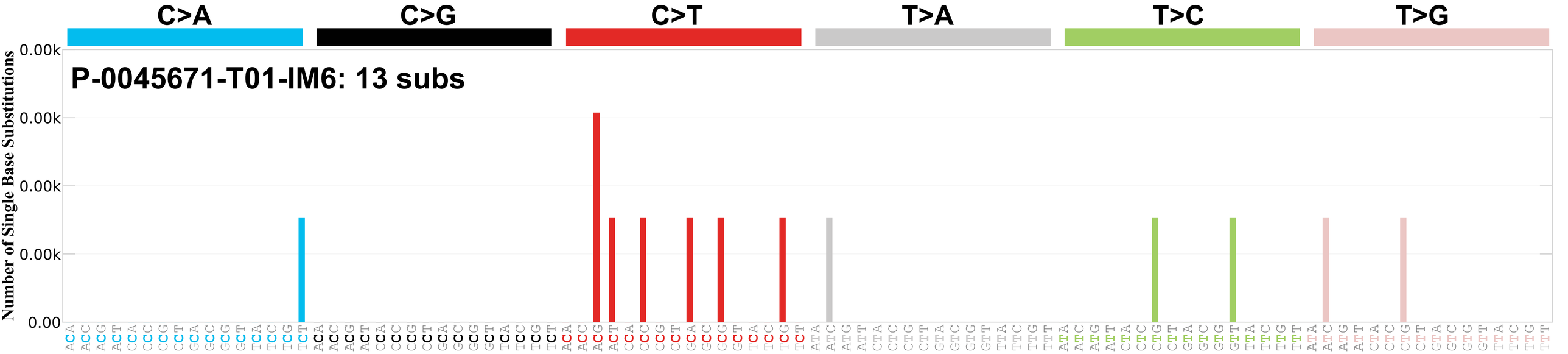

C>A
C>G
C>T
T>A
T>C
T>G
P-0044790-T01-IM6: 159 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0044987-T01-IM6: 76 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0045120-T01-IM6: 31 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0045458-T01-IM6: 371 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0045533-T01-IM6: 24 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0045671-T01-IM6: 13 subs
Number of Single Base Substitutions
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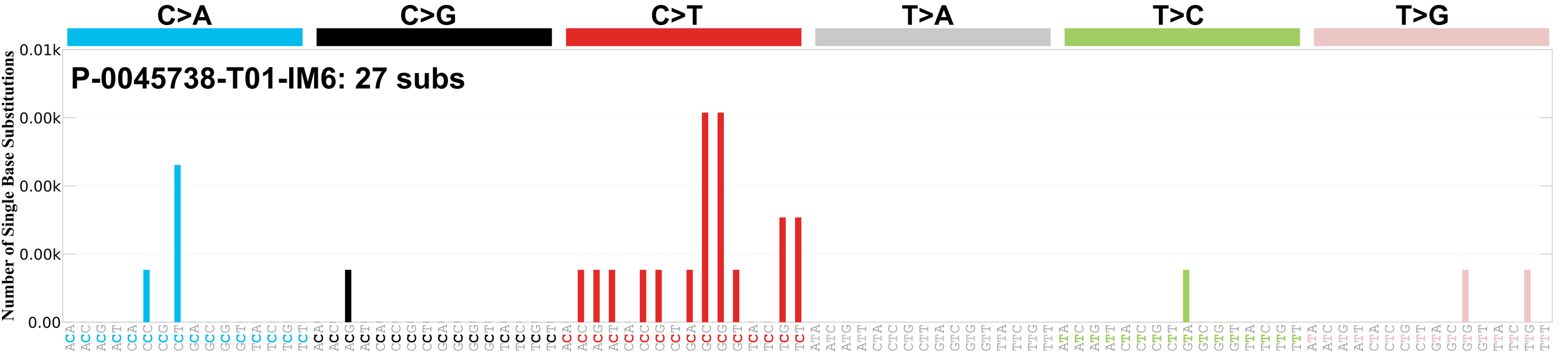
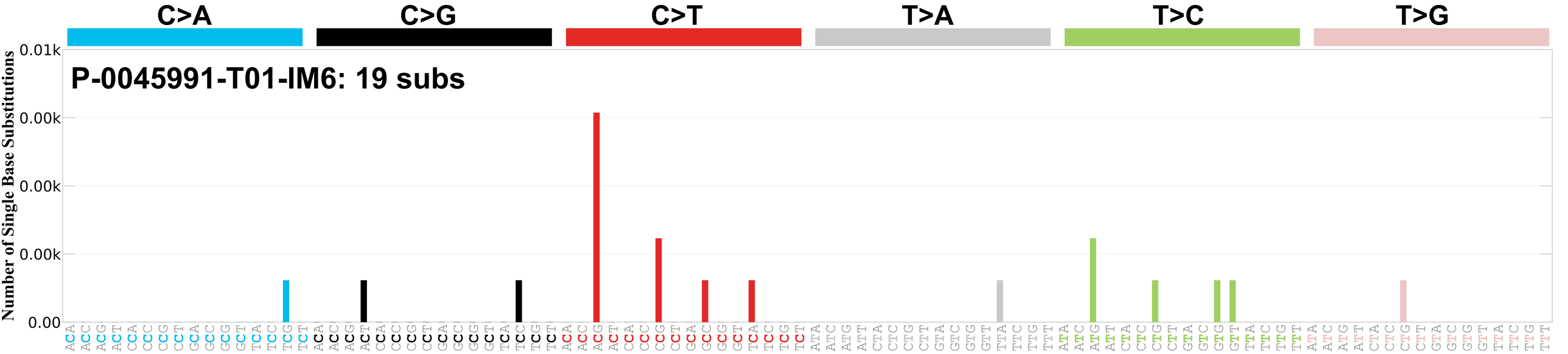
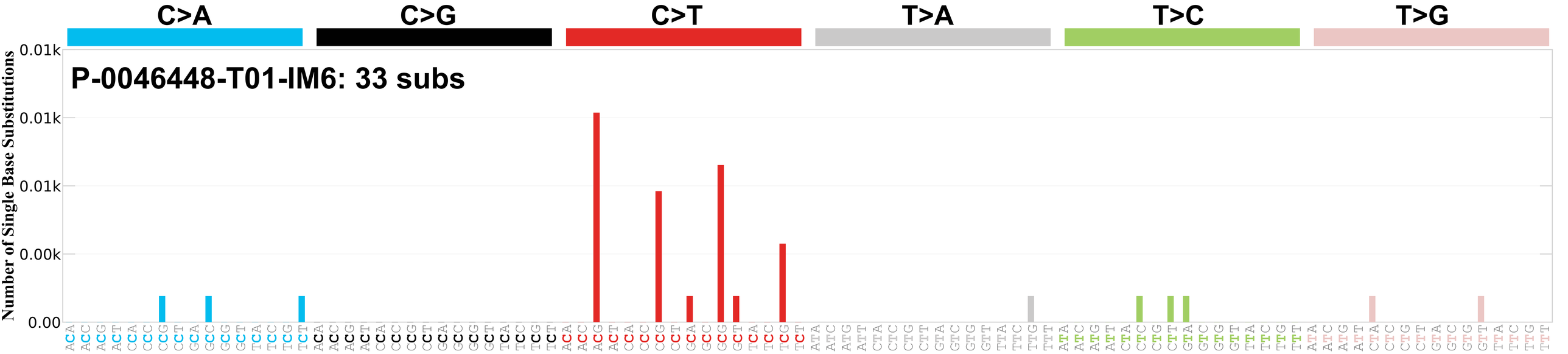
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0045738-T01-IM6: 27 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0045991-T01-IM6: 19 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0046448-T01-IM6: 33 subs
Number of Single Base Substitutions
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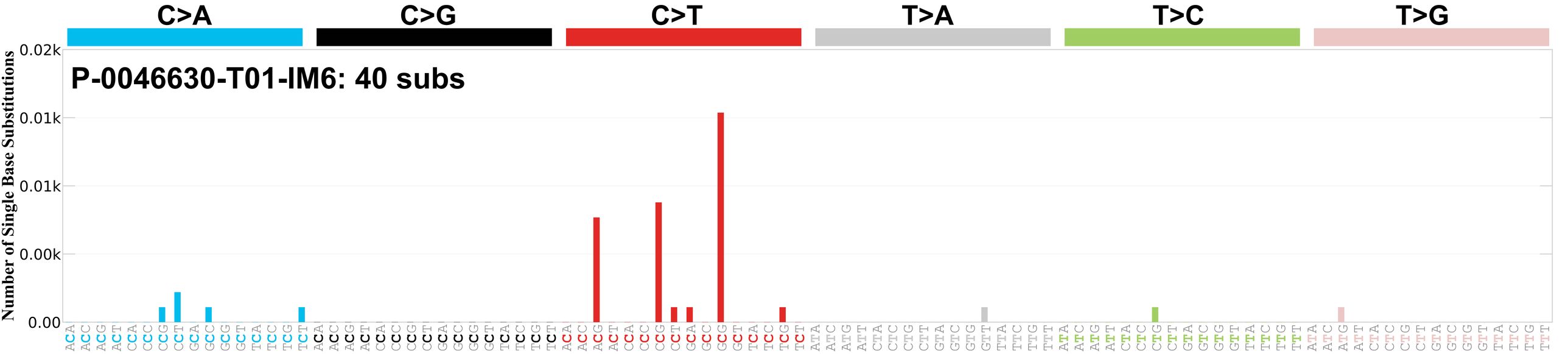
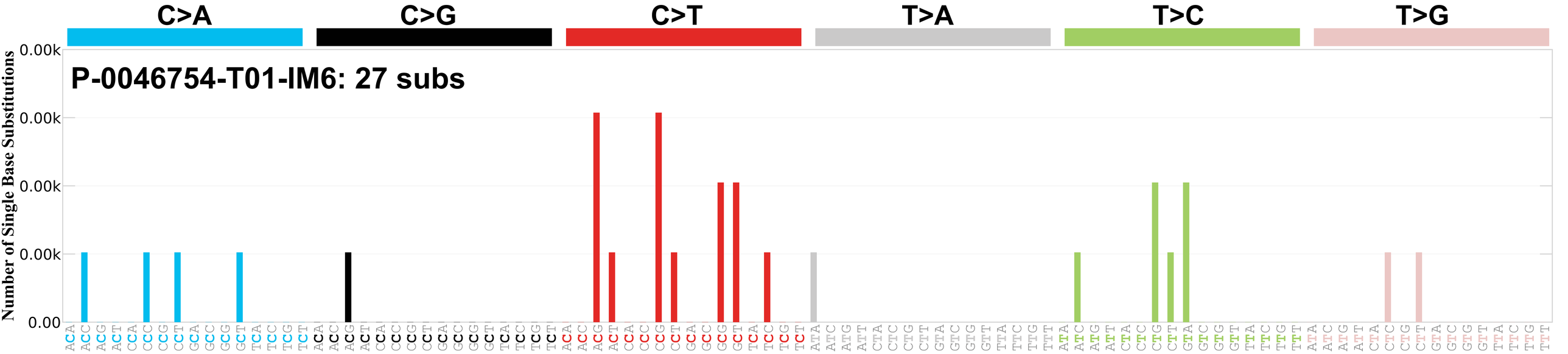
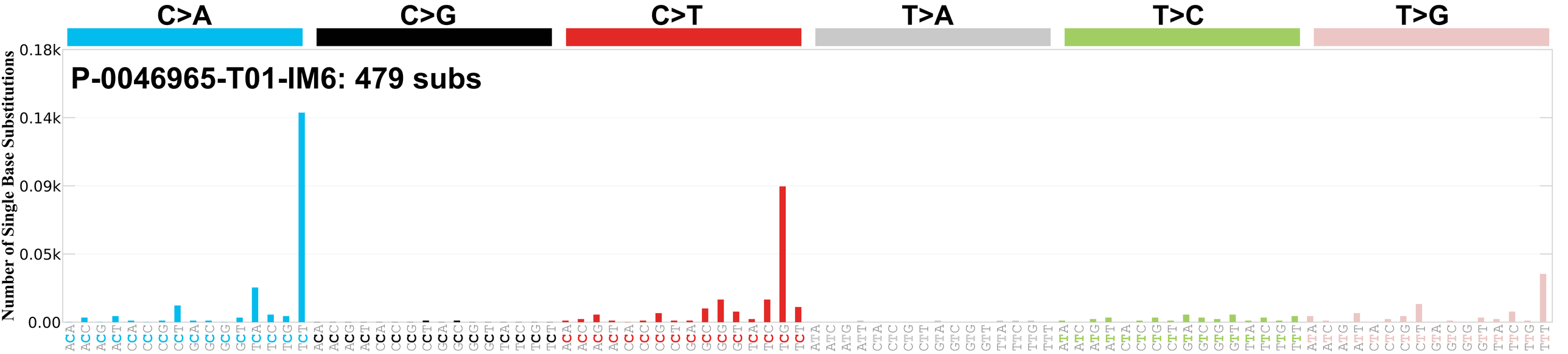
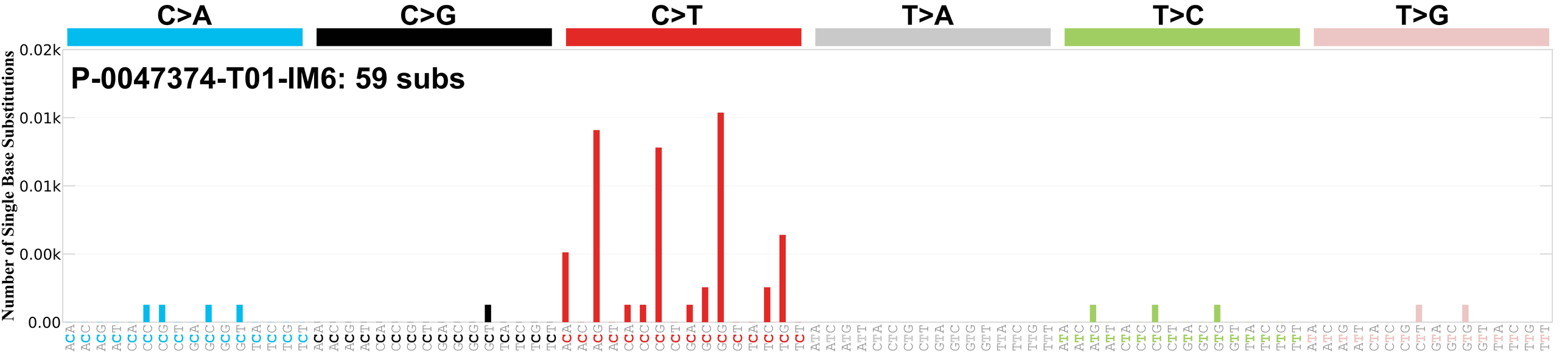
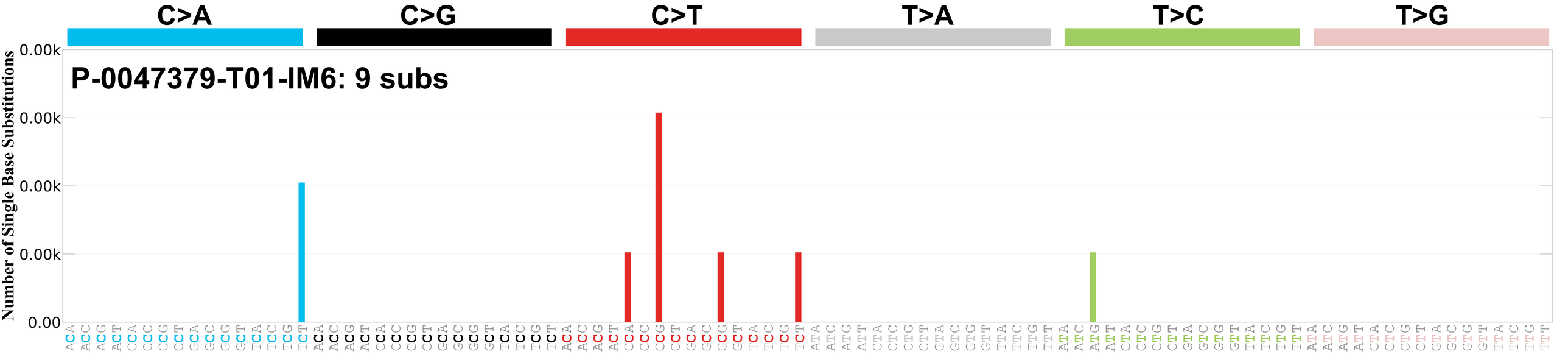
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0046630-T01-IM6: 40 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0046754-T01-IM6: 27 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0046965-T01-IM6: 479 subs
Number of Single Base Substitutions
0.18k
0.14k
0.09k
0.05k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0047374-T01-IM6: 59 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0047379-T01-IM6: 9 subs
Number of Single Base Substitutions
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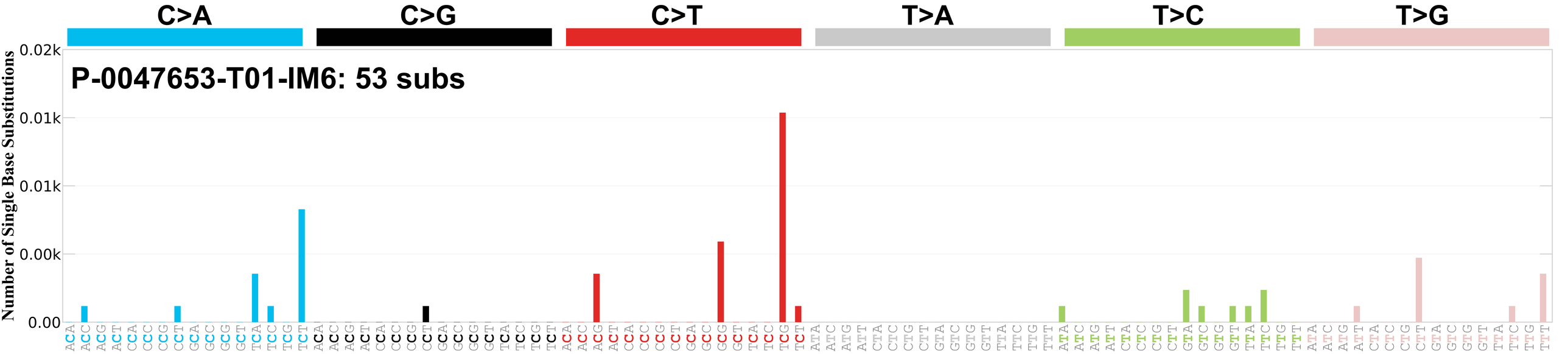
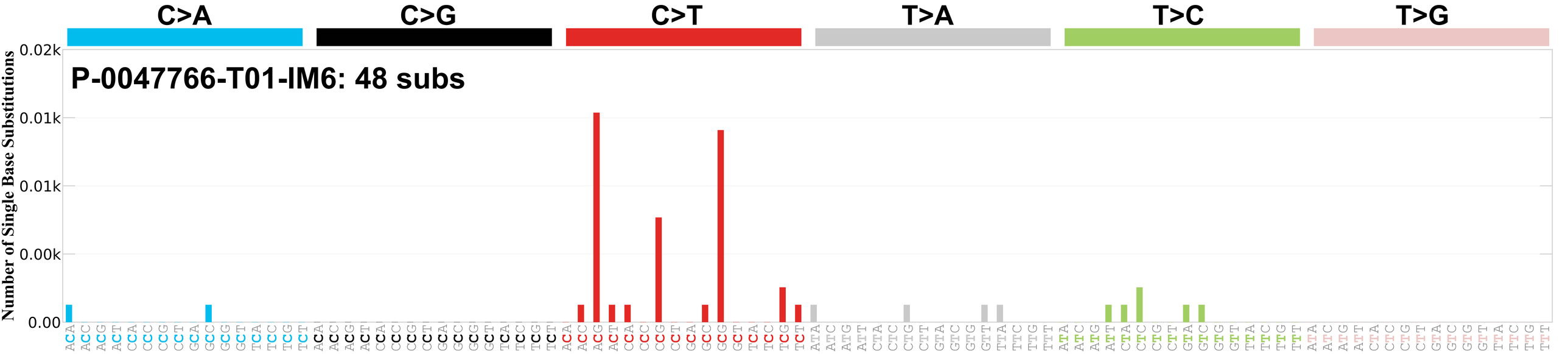
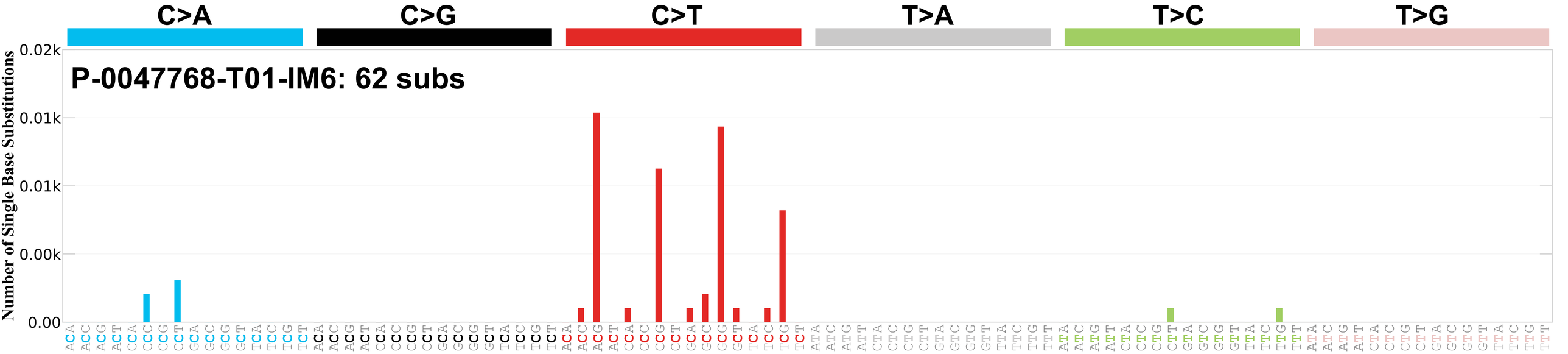
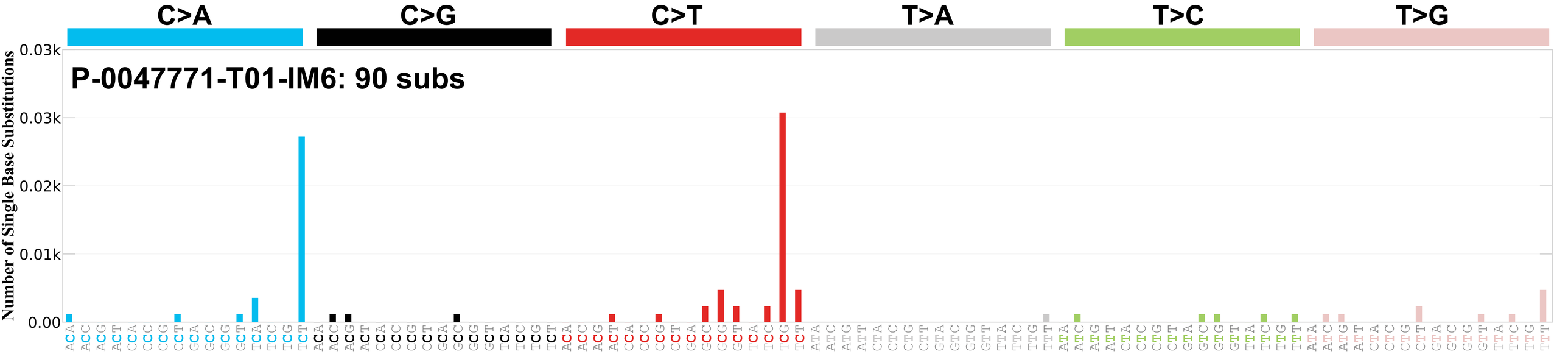
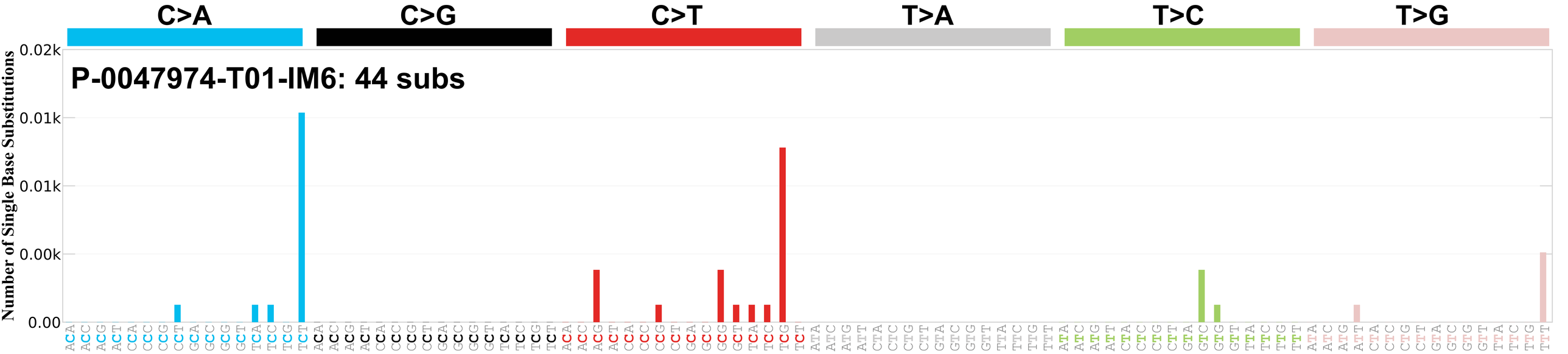
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0047653-T01-IM6: 53 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0047766-T01-IM6: 48 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0047768-T01-IM6: 62 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0047771-T01-IM6: 90 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0047974-T01-IM6: 44 subs
Number of Single Base Substitutions
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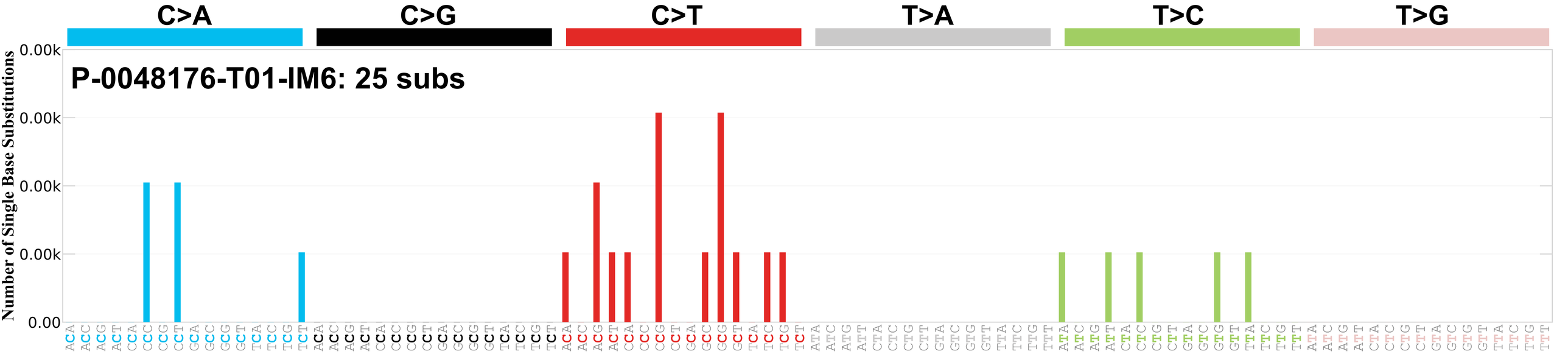
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0048176-T01-IM6: 25 subs
Number of Single Base Substitutions
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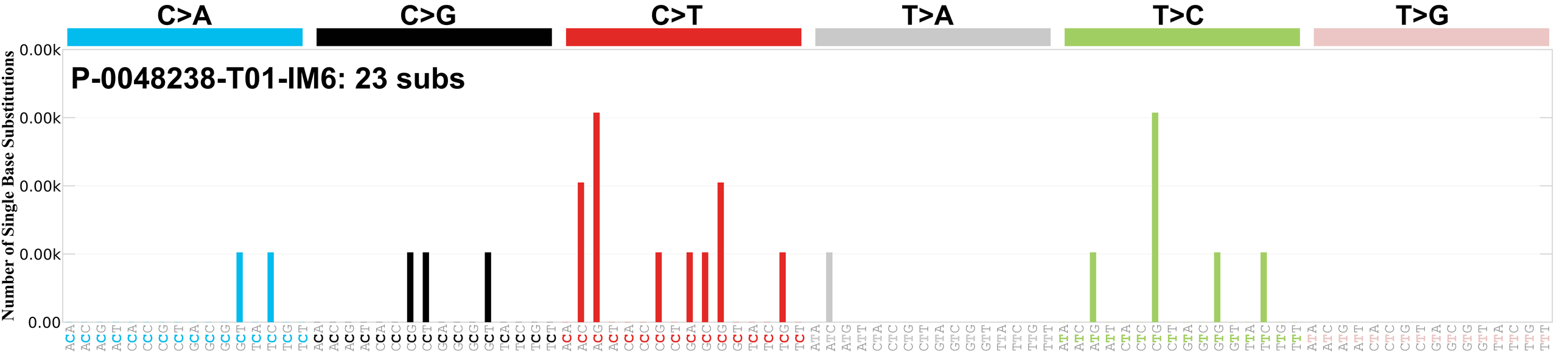
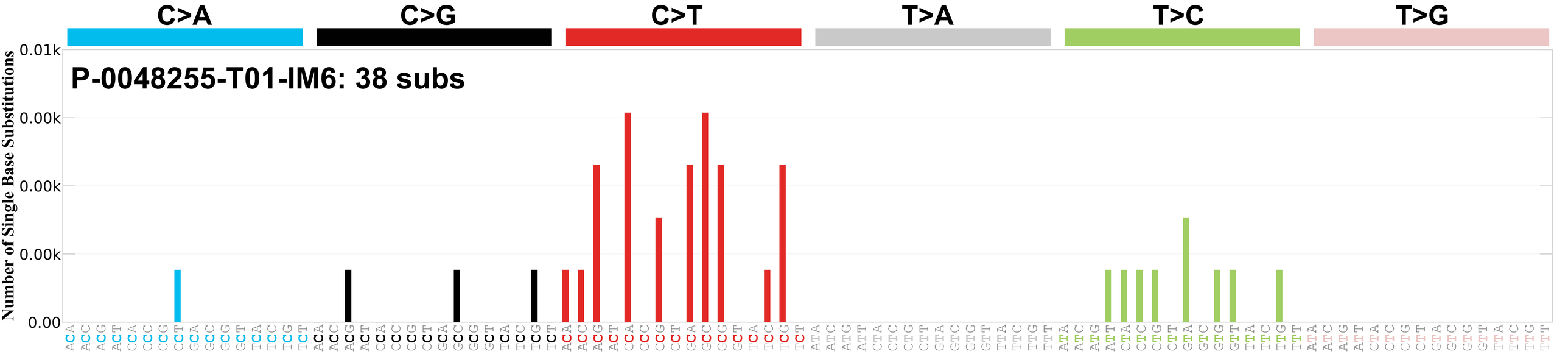
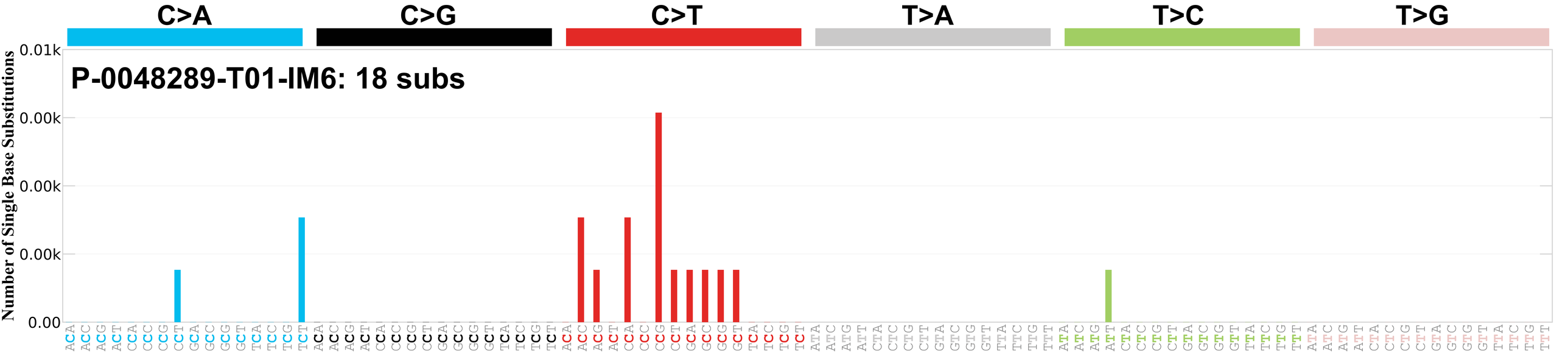
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0048238-T01-IM6: 23 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0048255-T01-IM6: 38 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0048289-T01-IM6: 18 subs
Number of Single Base Substitutions
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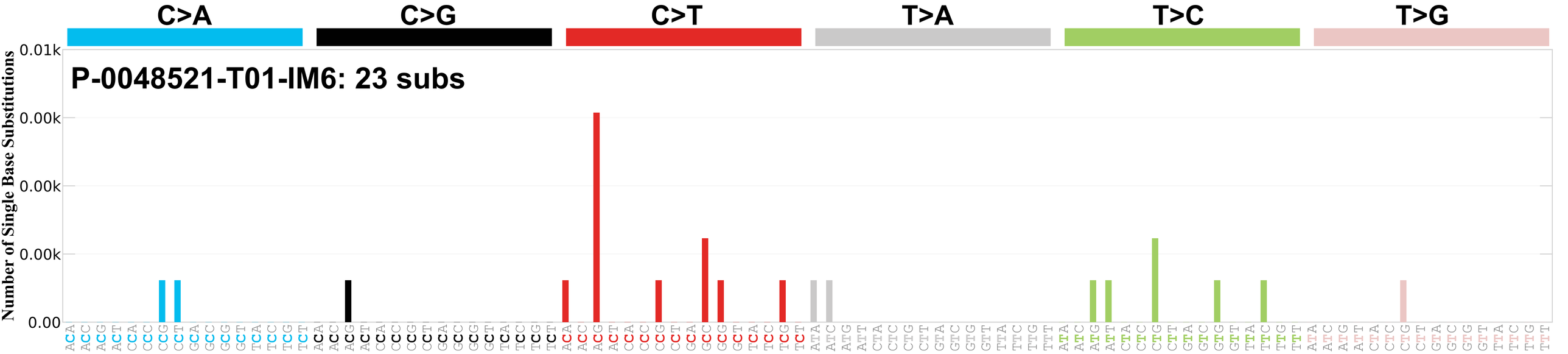
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0048521-T01-IM6: 23 subs
Number of Single Base Substitutions
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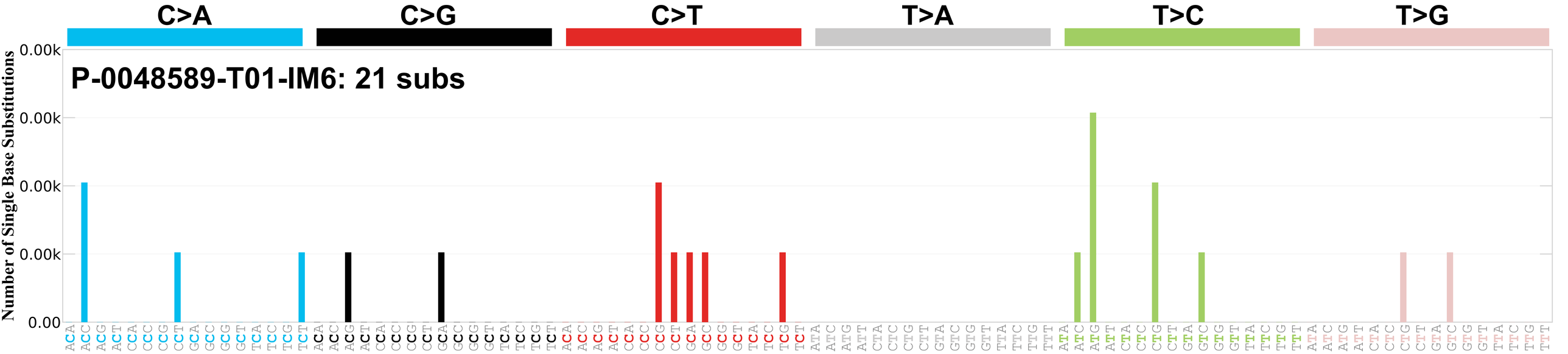
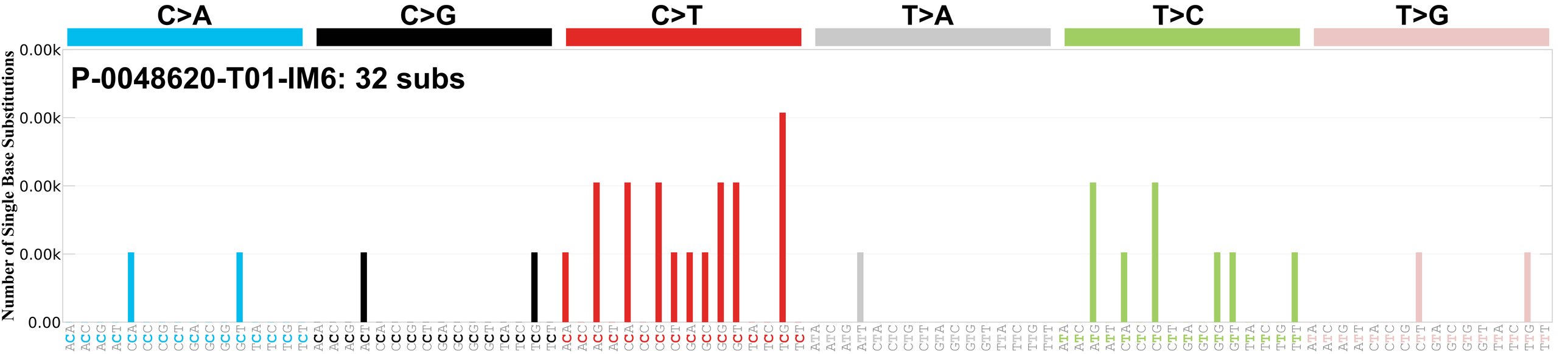
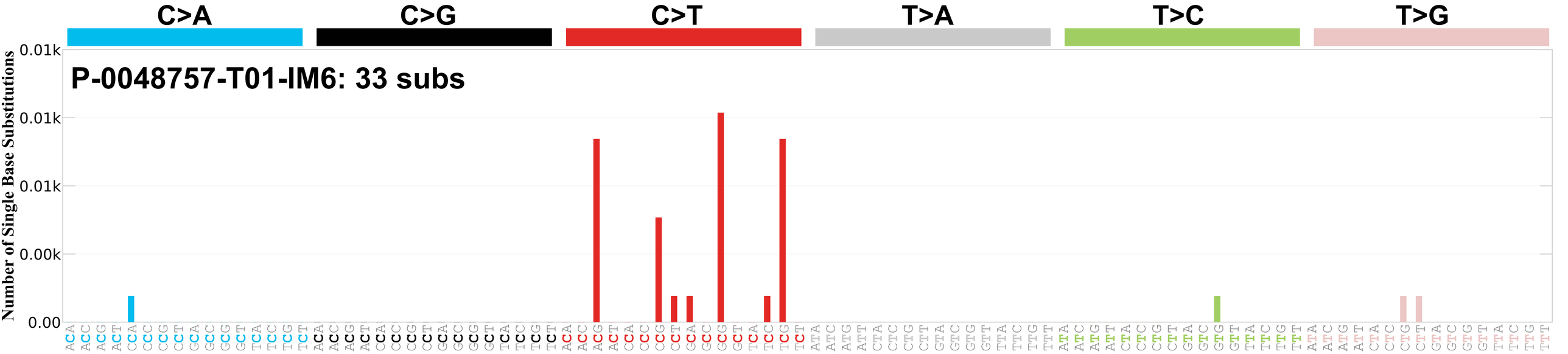
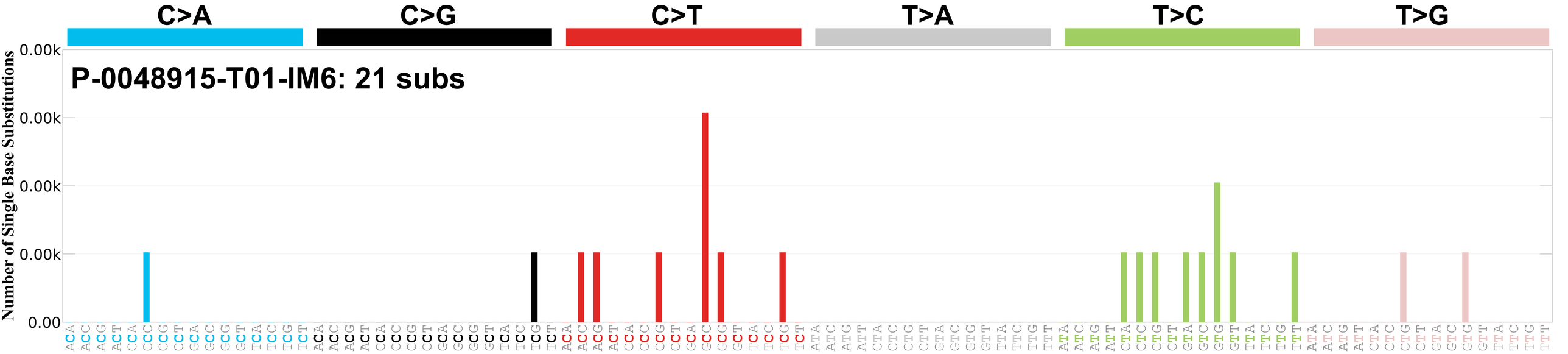
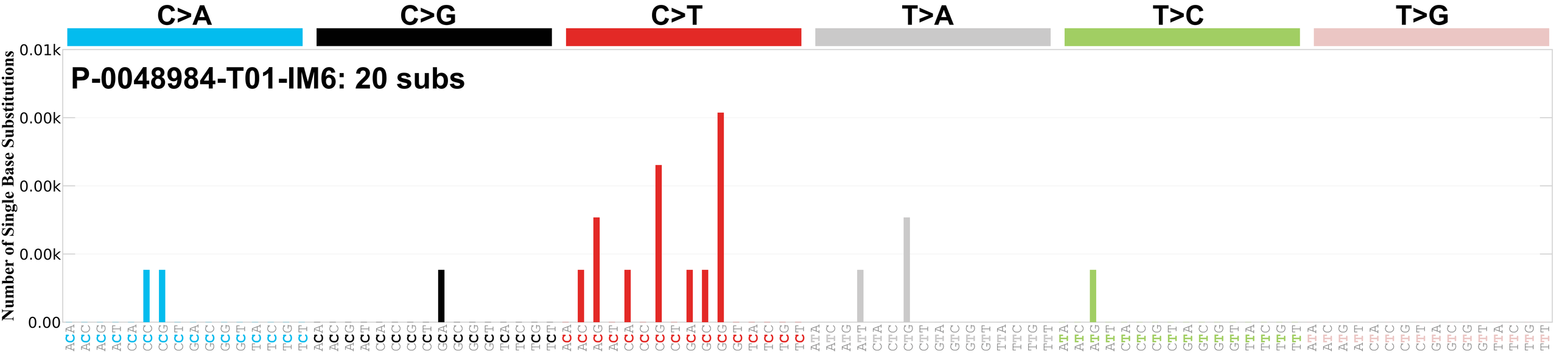
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

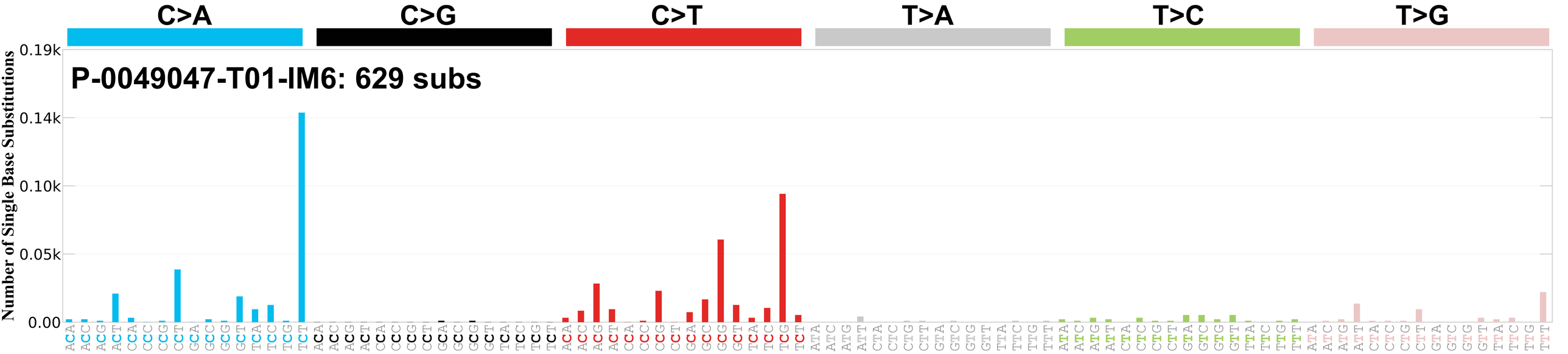

C>A
C>G
C>T
T>A
T>C
T>G
P-0048589-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

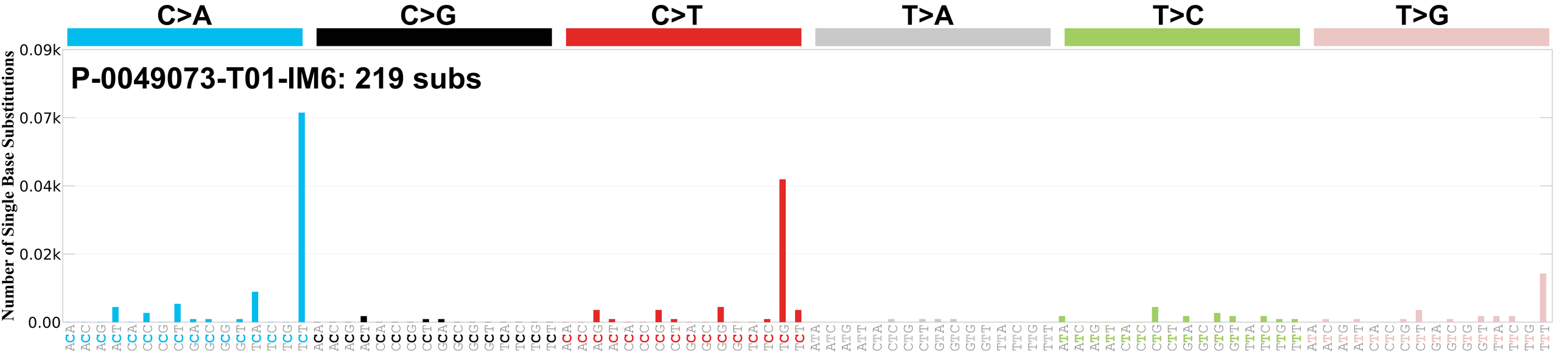

C>A
C>G
C>T
T>A
T>C
T>G
P-0048620-T01-IM6: 32 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

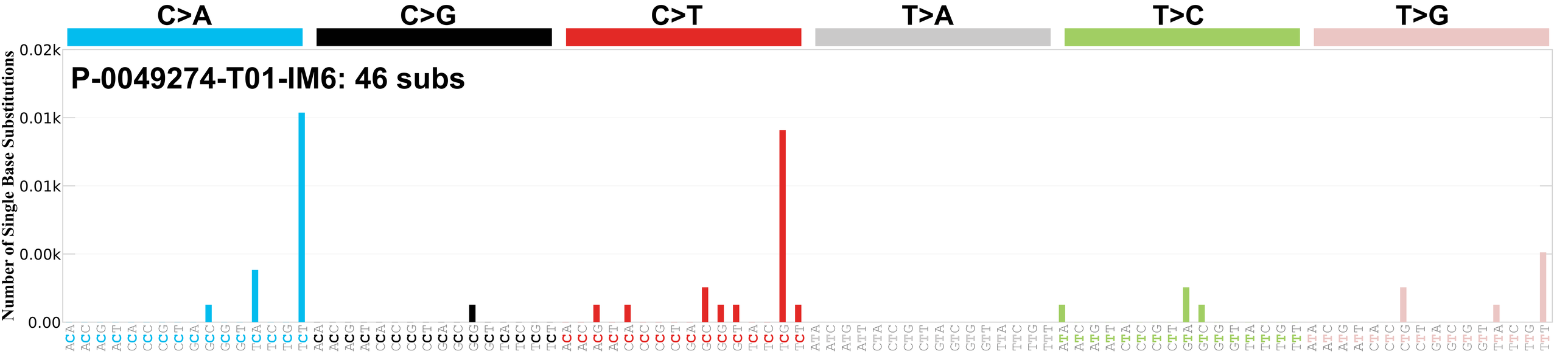

C>A
C>G
C>T
T>A
T>C
T>G
P-0048757-T01-IM6: 33 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

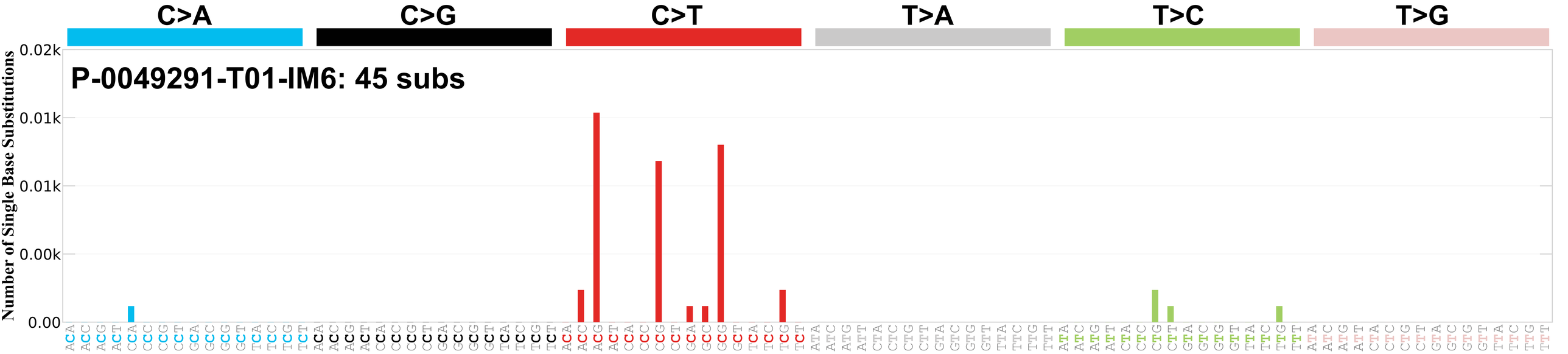

C>A
C>G
C>T
T>A
T>C
T>G
P-0048915-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0048984-T01-IM6: 20 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049047-T01-IM6: 629 subs
Number of Single Base Substitutions
0.19k
0.14k
0.10k
0.05k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049073-T01-IM6: 219 subs
Number of Single Base Substitutions
0.09k
0.07k
0.04k
0.02k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049274-T01-IM6: 46 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049291-T01-IM6: 45 subs
Number of Single Base Substitutions
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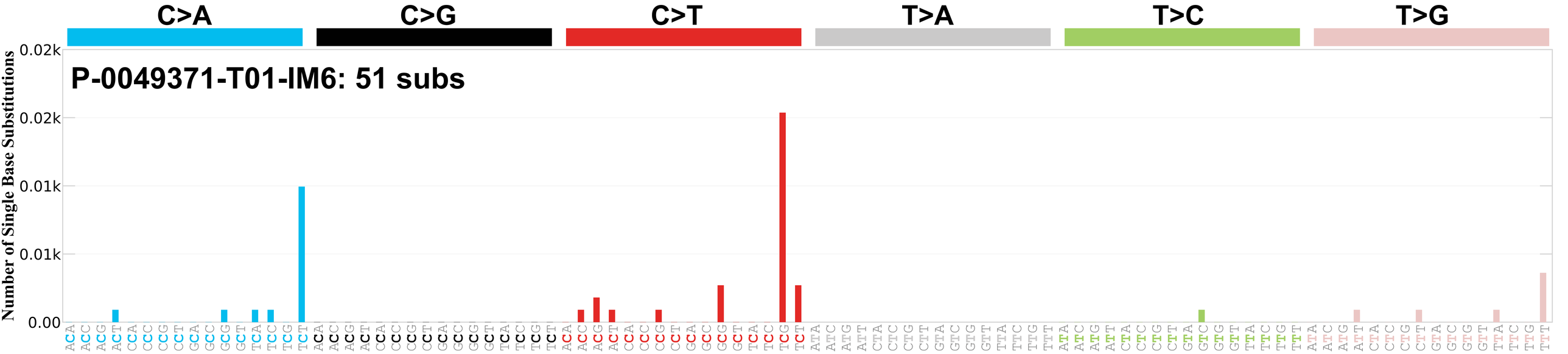
0.01k
0.01k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049371-T01-IM6: 51 subs
Number of Single Base Substitutions
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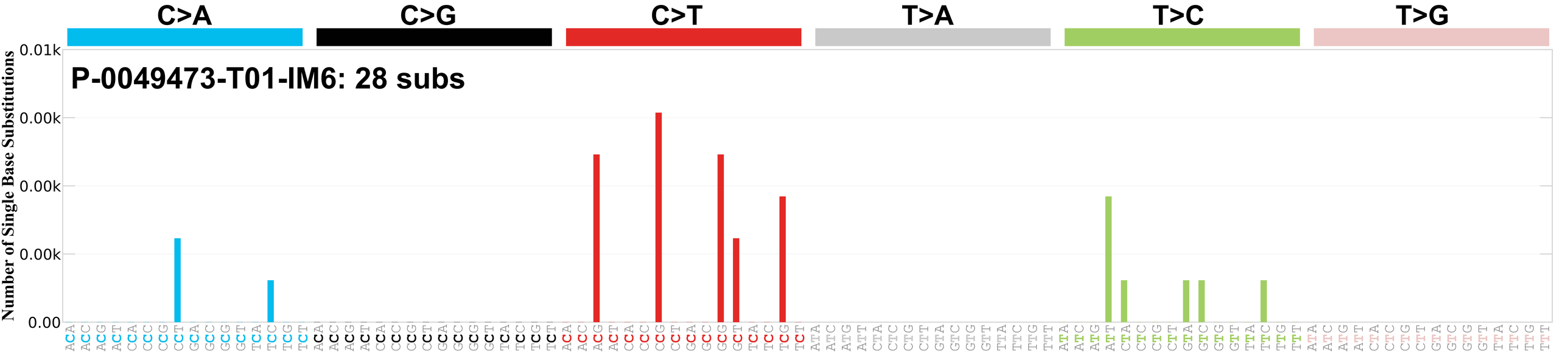
0.02k
0.01k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049473-T01-IM6: 28 subs
Number of Single Base Substitutions
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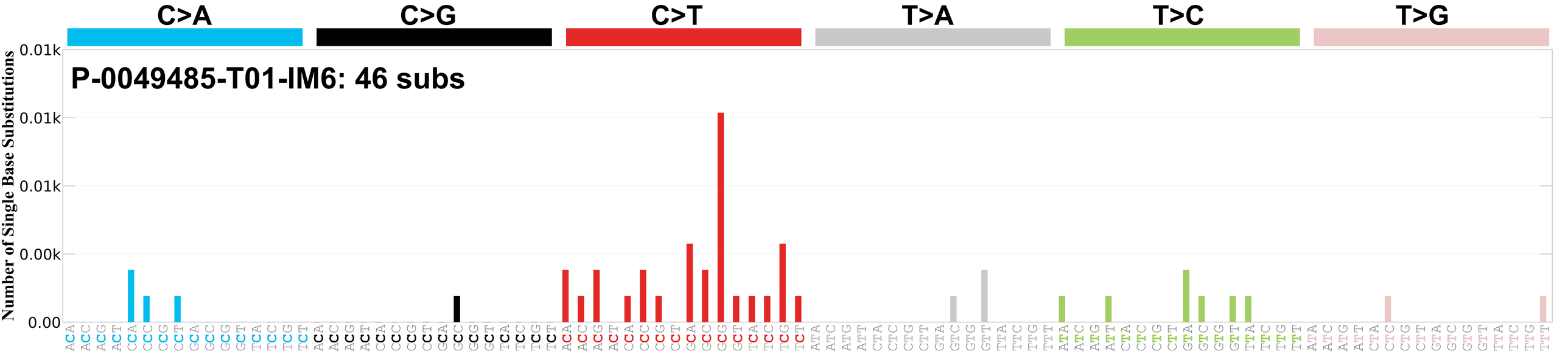
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049485-T01-IM6: 46 subs
Number of Single Base Substitutions
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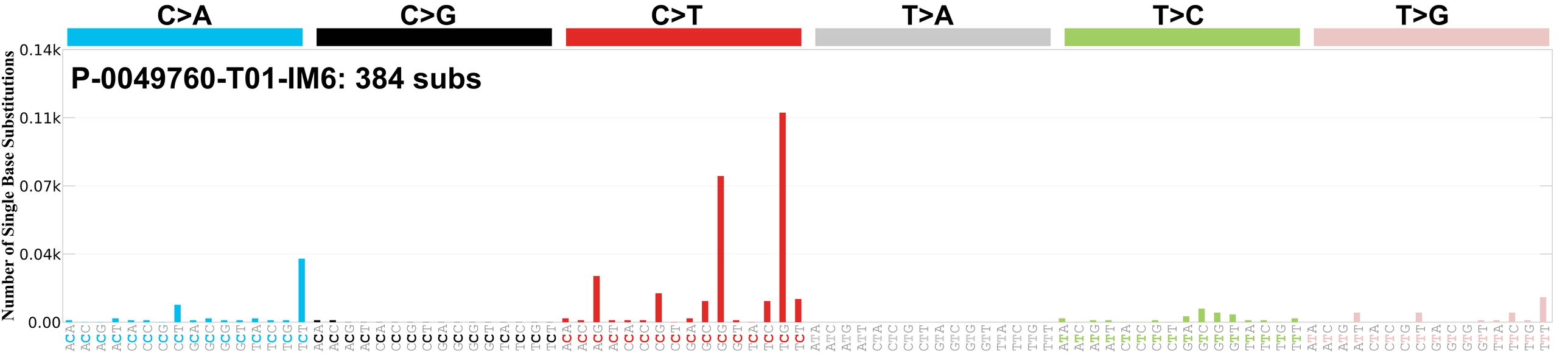
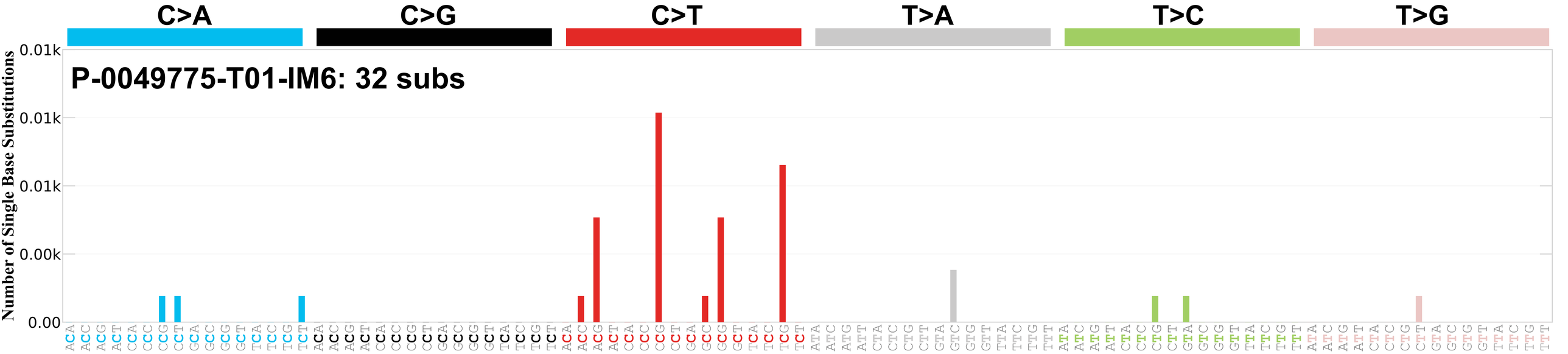
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049760-T01-IM6: 384 subs
Number of Single Base Substitutions
0.14k
0.11k
0.07k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049775-T01-IM6: 32 subs
Number of Single Base Substitutions
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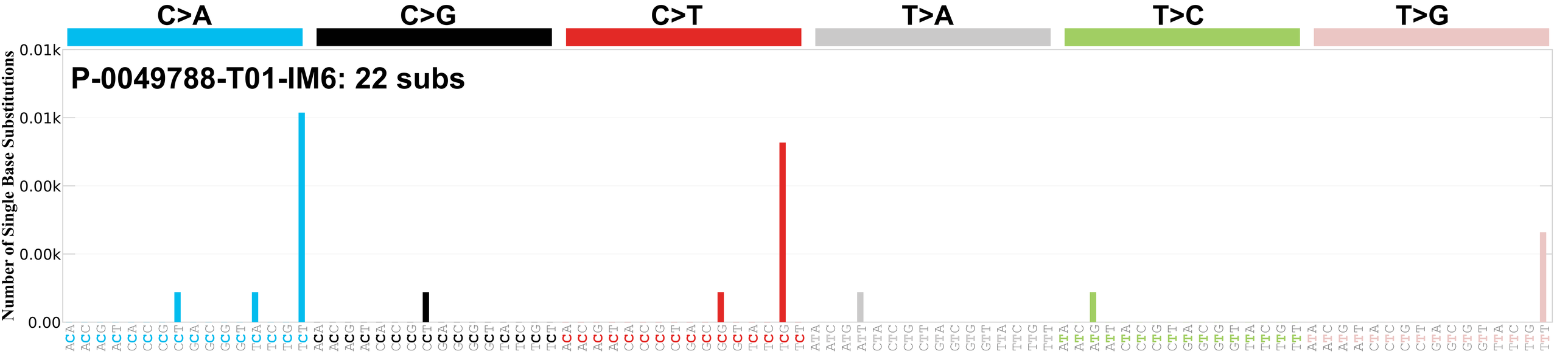
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049788-T01-IM6: 22 subs
Number of Single Base Substitutions
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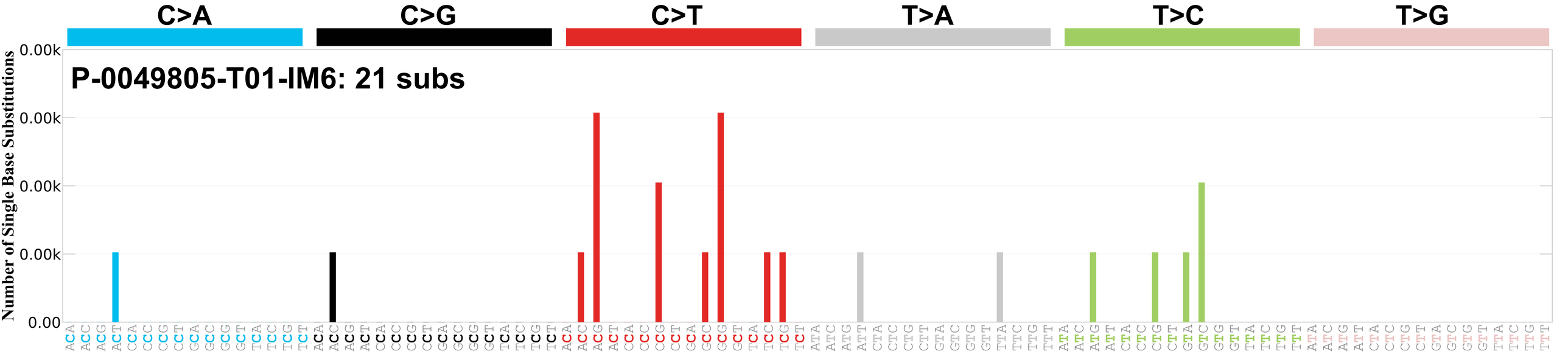
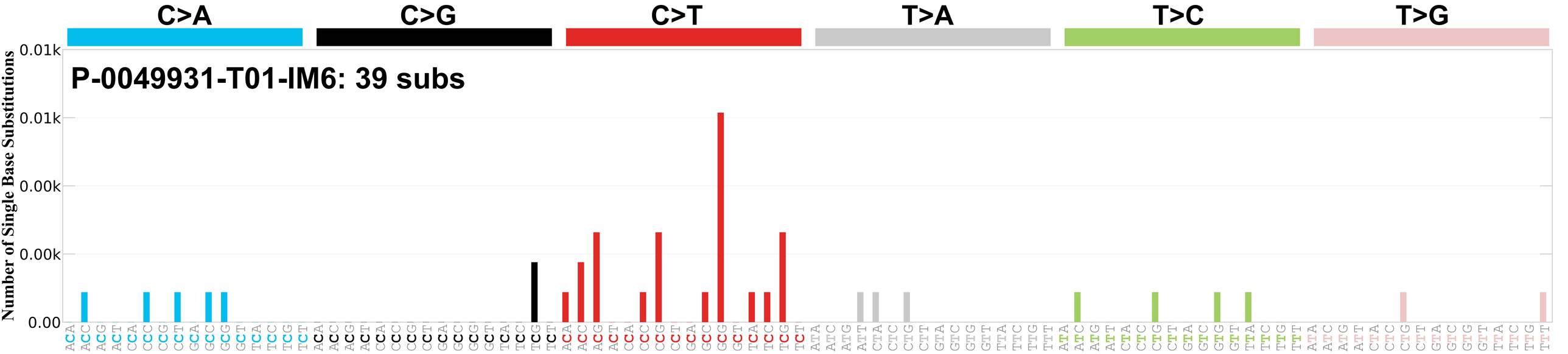
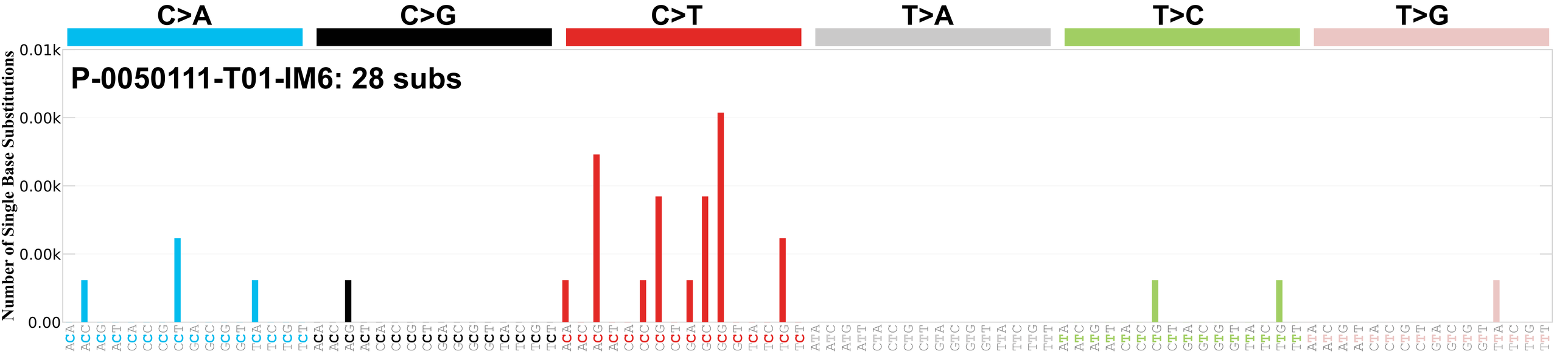
0.01k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0049805-T01-IM6: 21 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0049931-T01-IM6: 39 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
P-0050111-T01-IM6: 28 subs
Number of Single Base Substitutions
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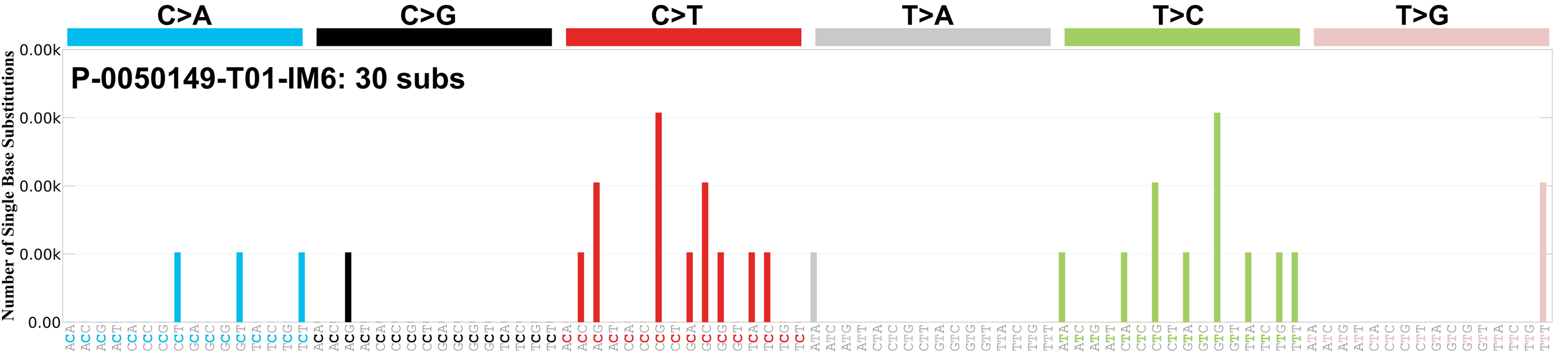
0.00k
0.00k
0.00k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
P-0050149-T01-IM6: 30 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT