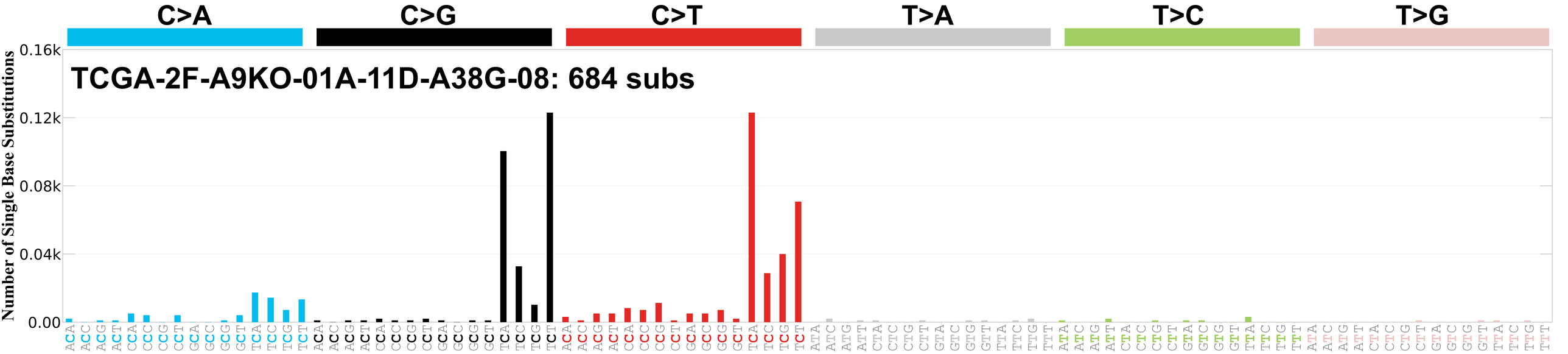
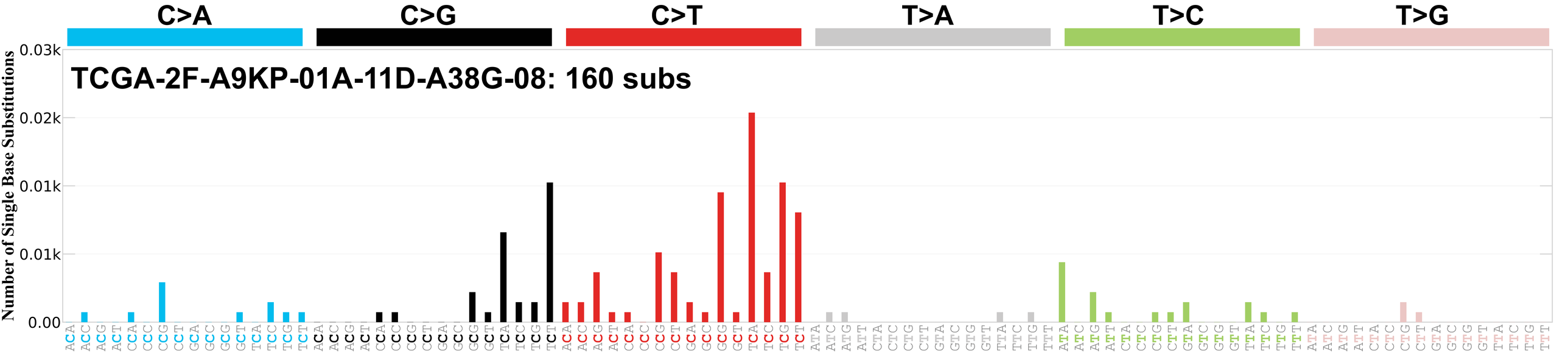
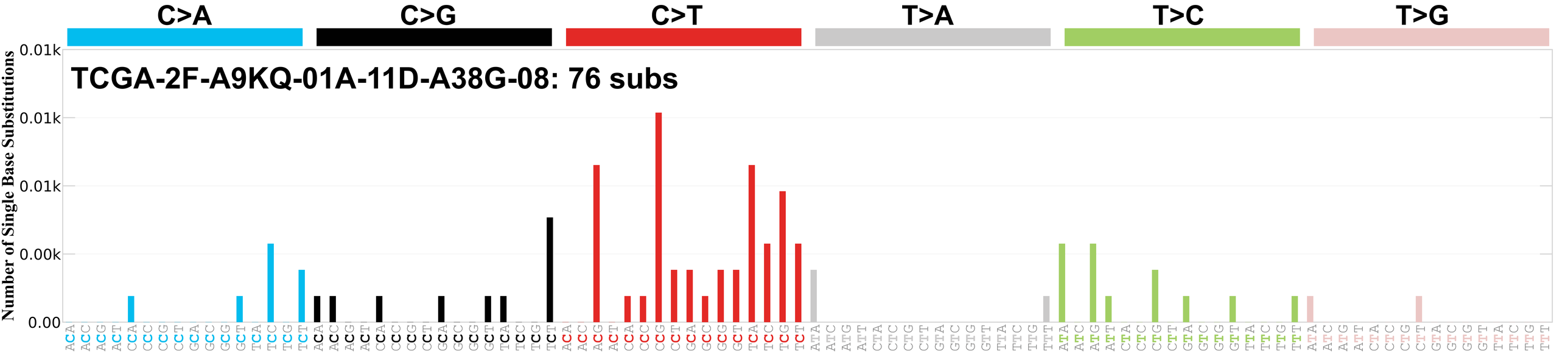
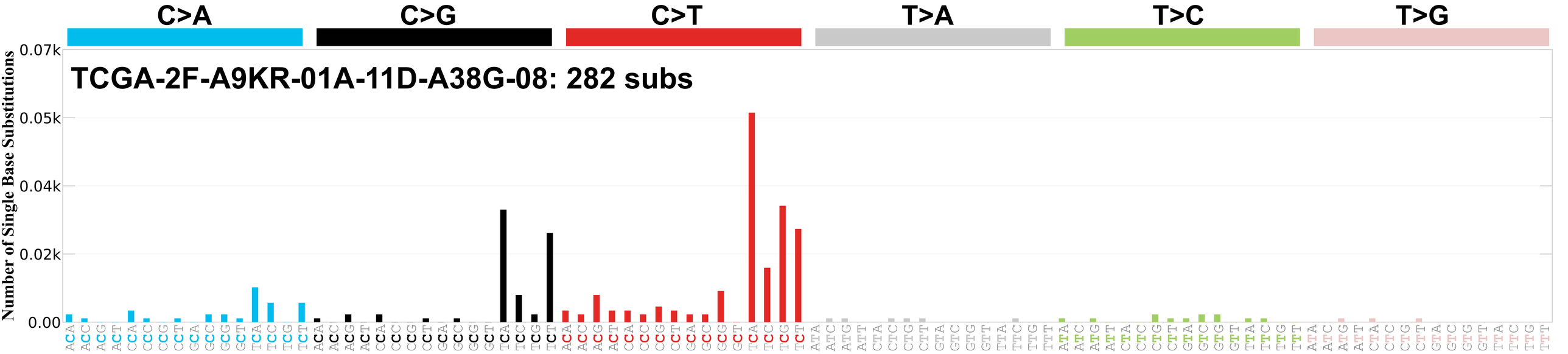
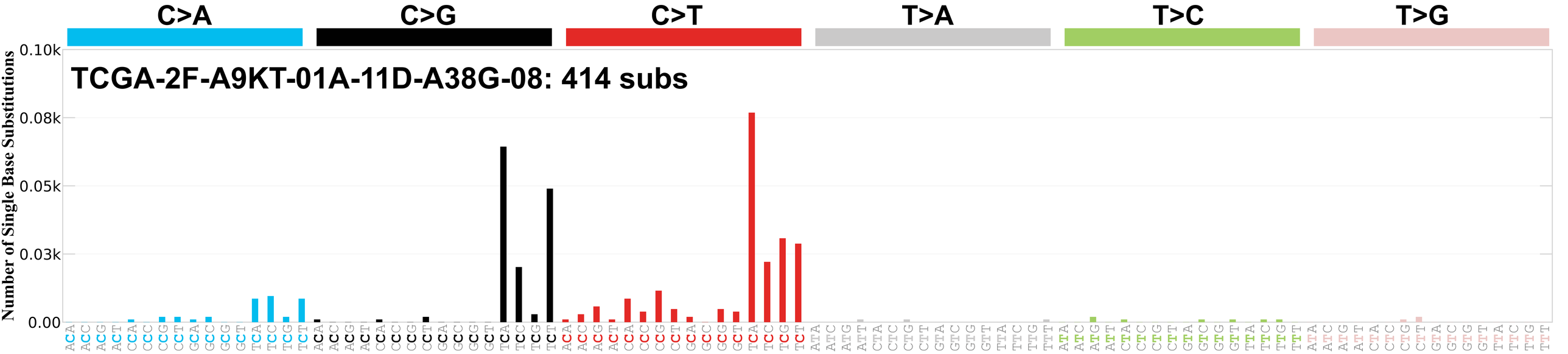
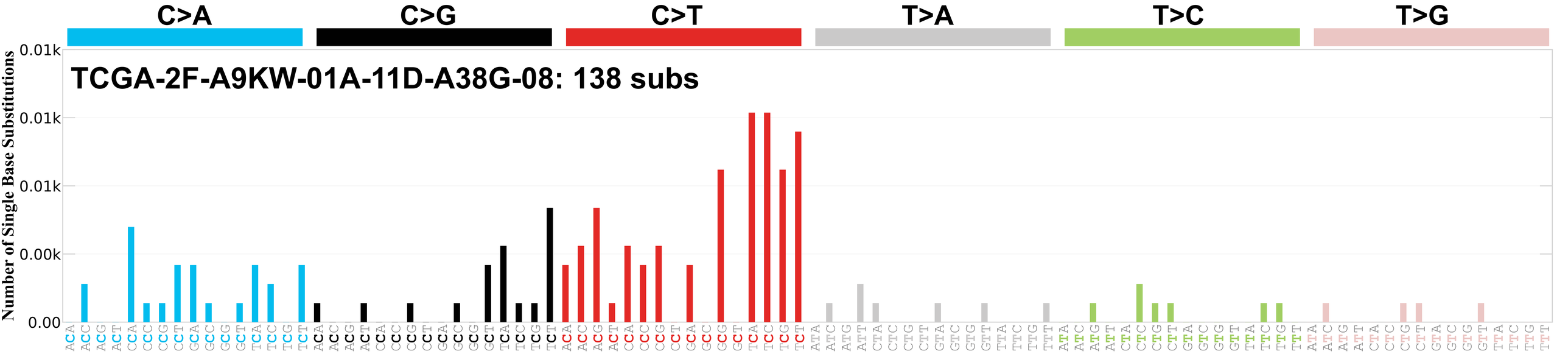

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KO-01A-11D-A38G-08: 684 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

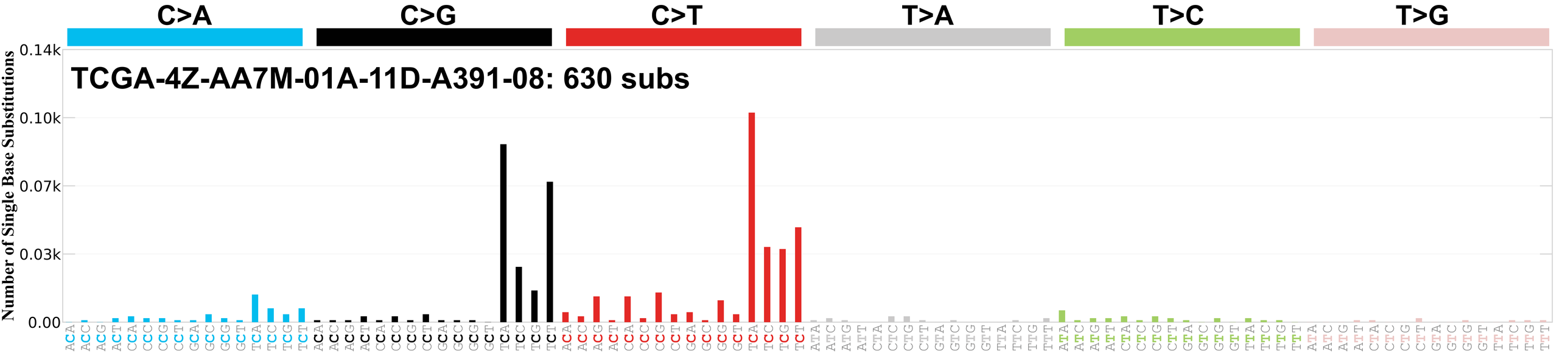

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KP-01A-11D-A38G-08: 160 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

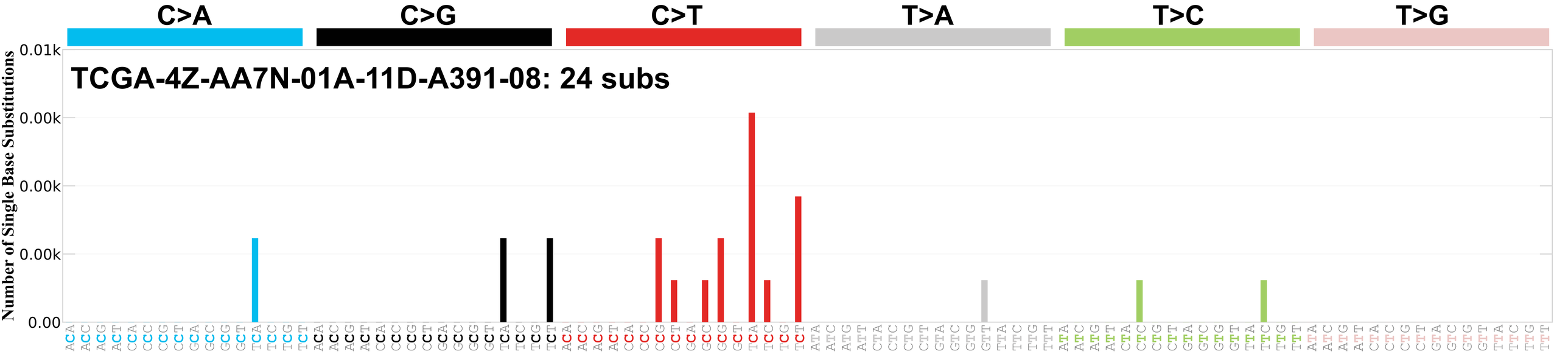

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KQ-01A-11D-A38G-08: 76 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

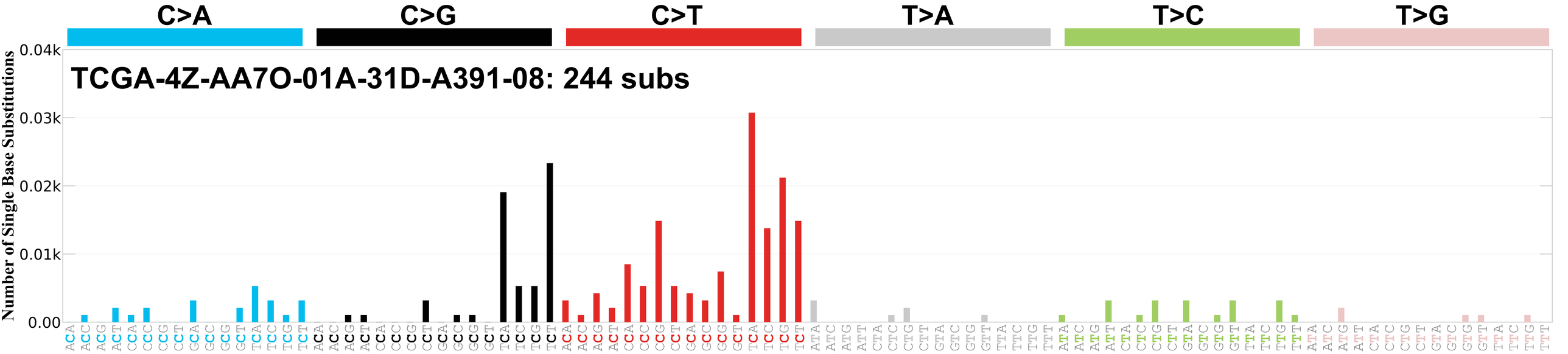

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KR-01A-11D-A38G-08: 282 subs
Number of Single Base Substitutions
0.07k
0.05k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

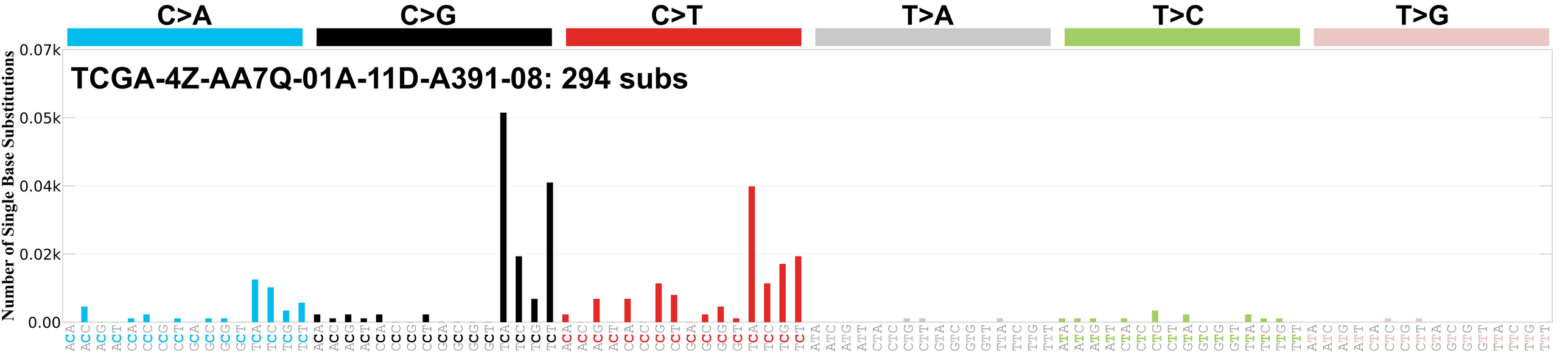

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KT-01A-11D-A38G-08: 414 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00

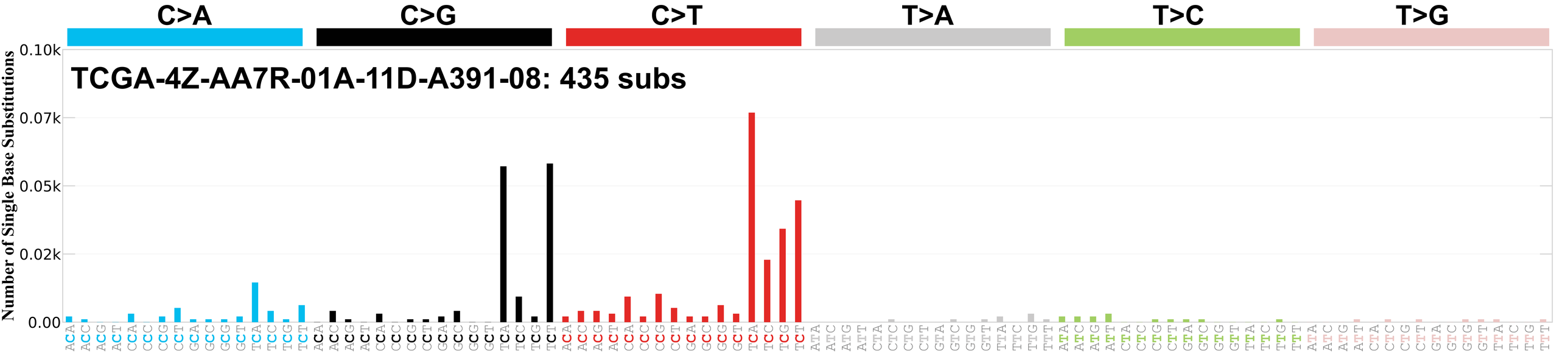

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-2F-A9KW-01A-11D-A38G-08: 138 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

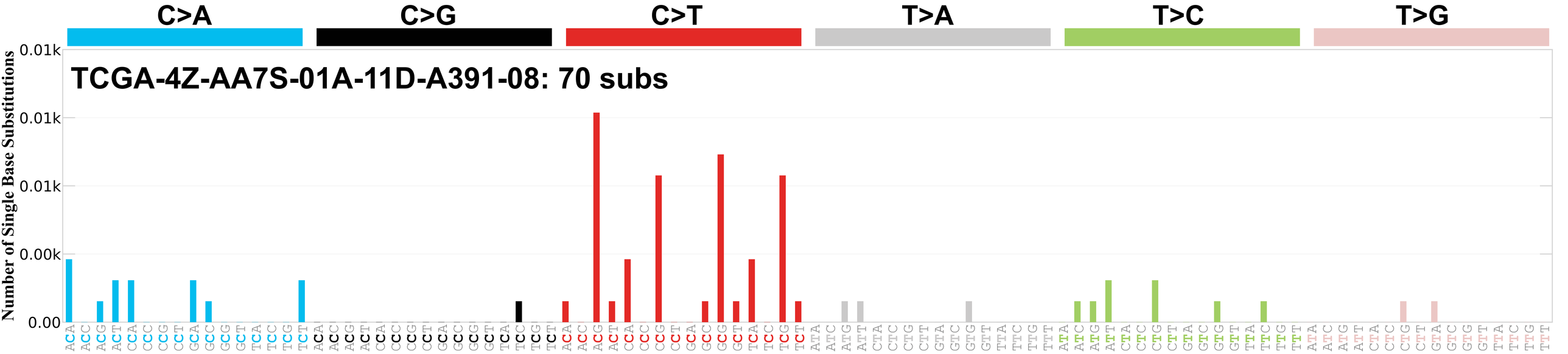

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7M-01A-11D-A391-08: 630 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

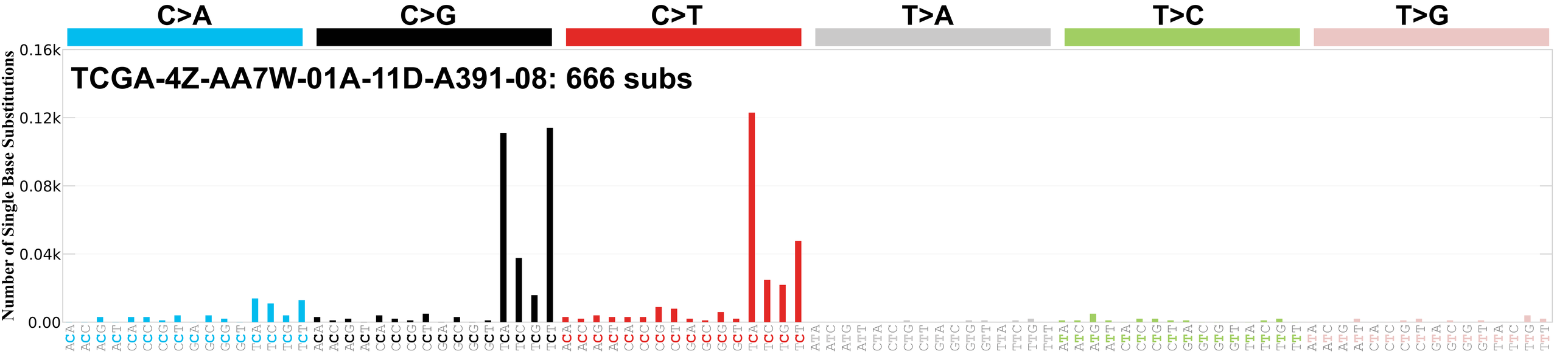

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7N-01A-11D-A391-08: 24 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

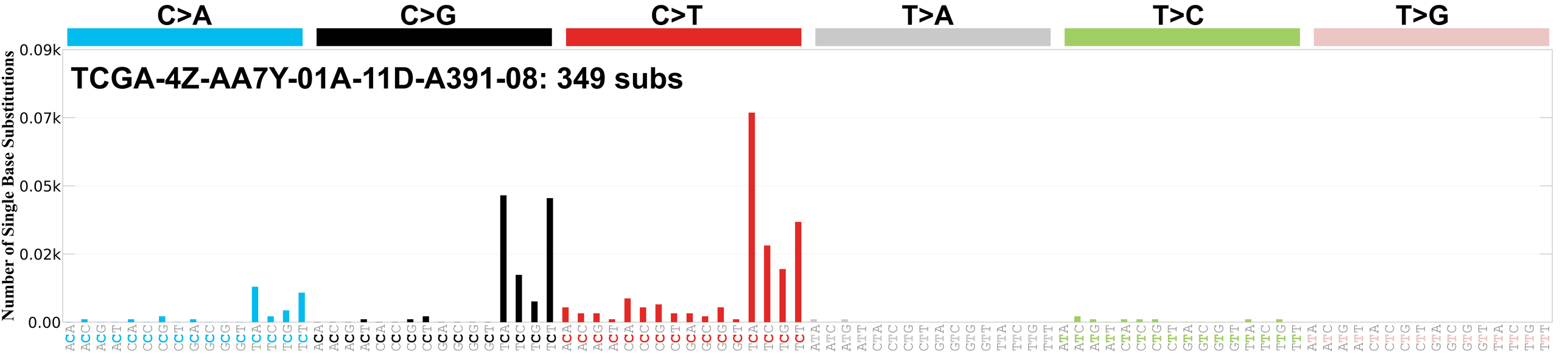

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7O-01A-31D-A391-08: 244 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

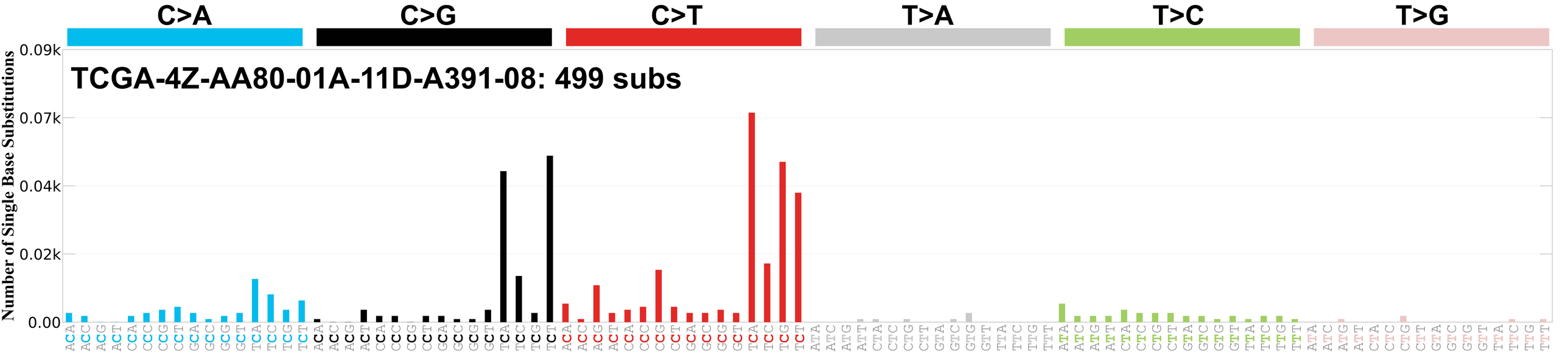

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7Q-01A-11D-A391-08: 294 subs
Number of Single Base Substitutions
0.07k
0.05k
0.04k
0.02k
0.00

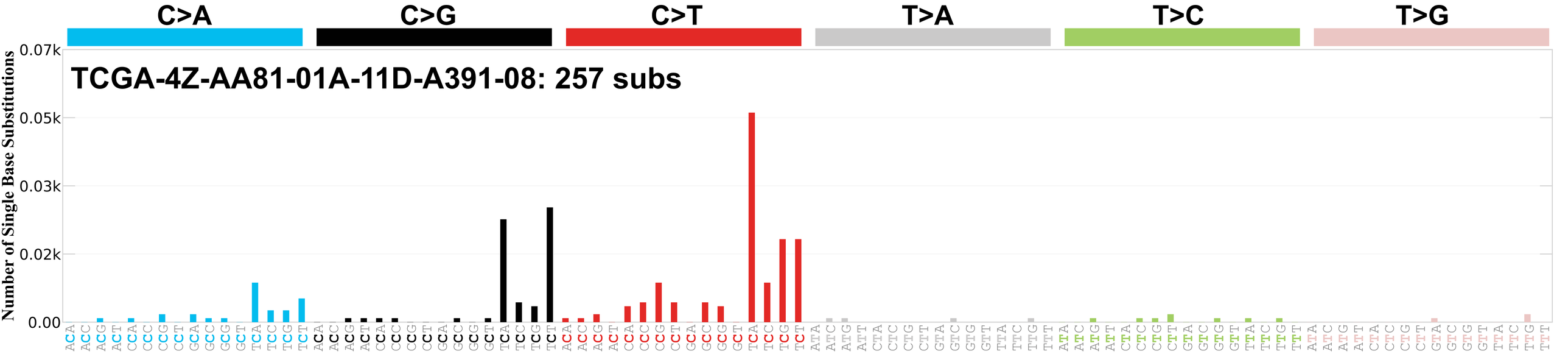

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7R-01A-11D-A391-08: 435 subs
Number of Single Base Substitutions
0.10k
0.07k
0.05k
0.02k
0.00

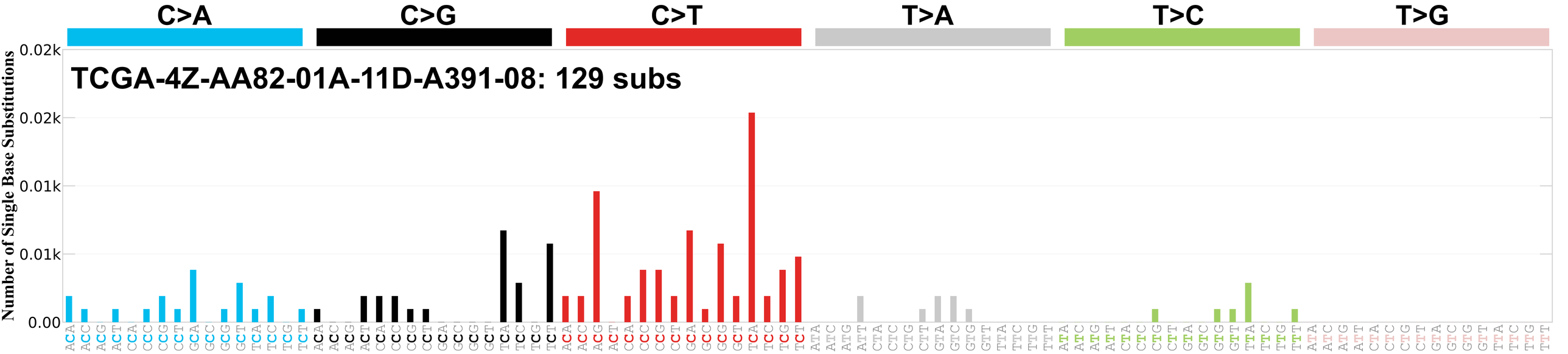

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7S-01A-11D-A391-08: 70 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

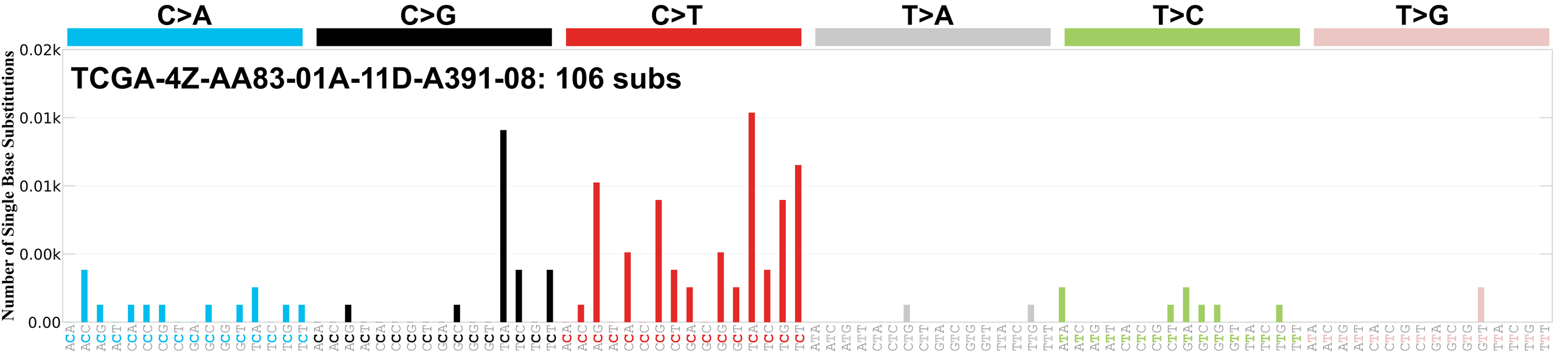

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7W-01A-11D-A391-08: 666 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

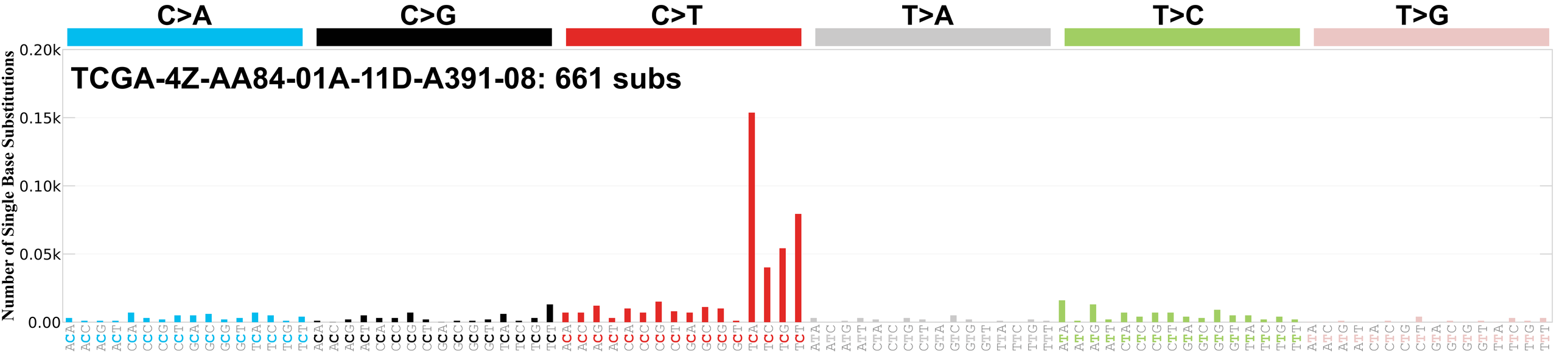

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA7Y-01A-11D-A391-08: 349 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

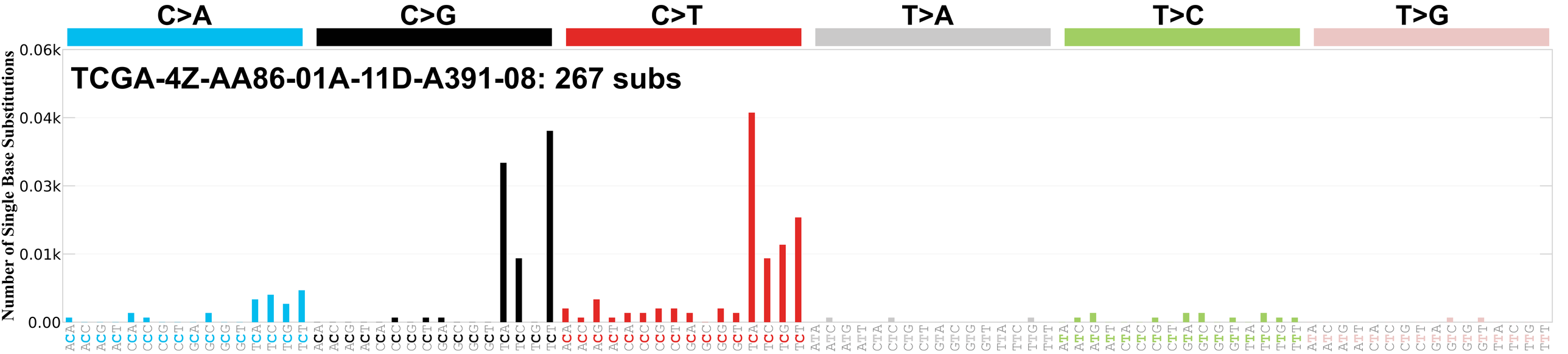

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA80-01A-11D-A391-08: 499 subs
Number of Single Base Substitutions
0.09k
0.07k
0.04k
0.02k
0.00

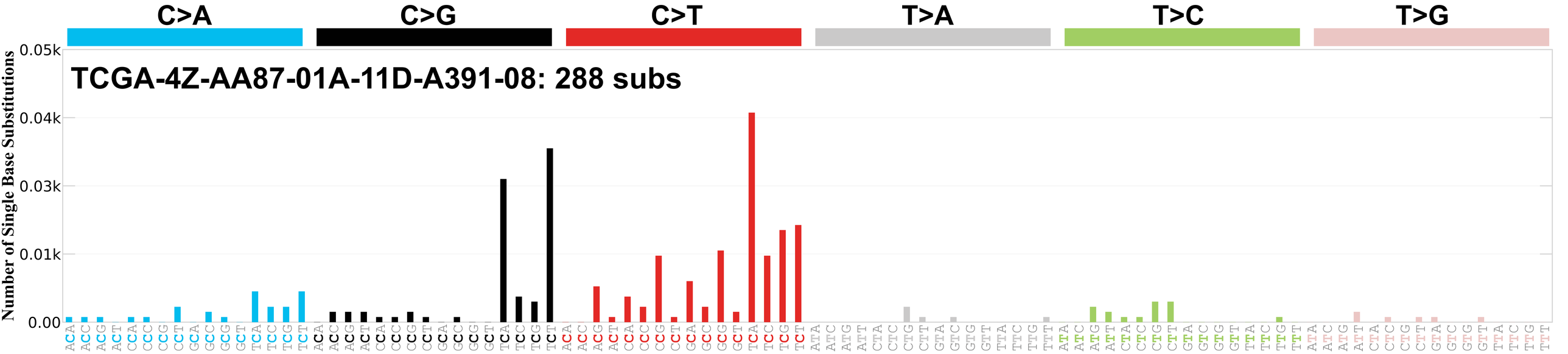

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA81-01A-11D-A391-08: 257 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

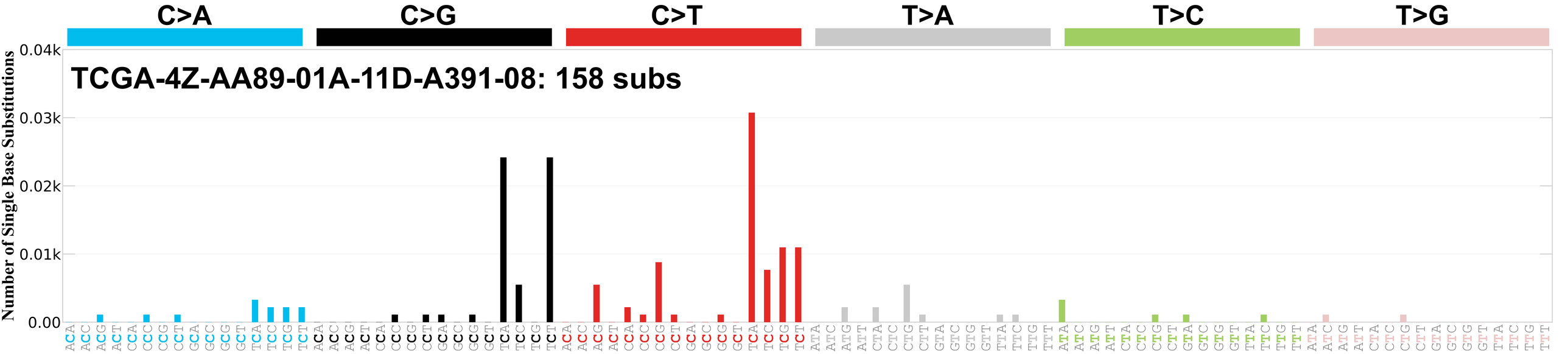

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA82-01A-11D-A391-08: 129 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

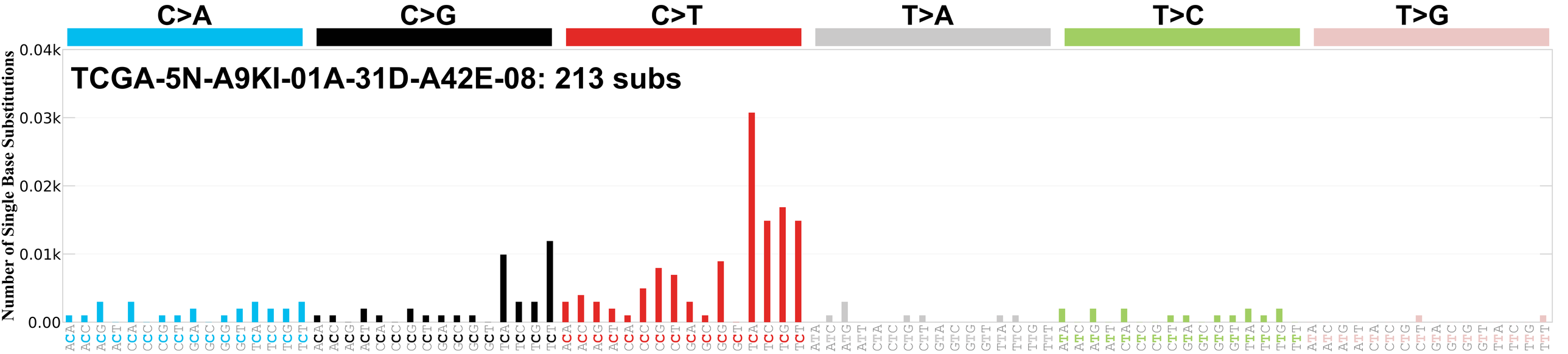

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA83-01A-11D-A391-08: 106 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

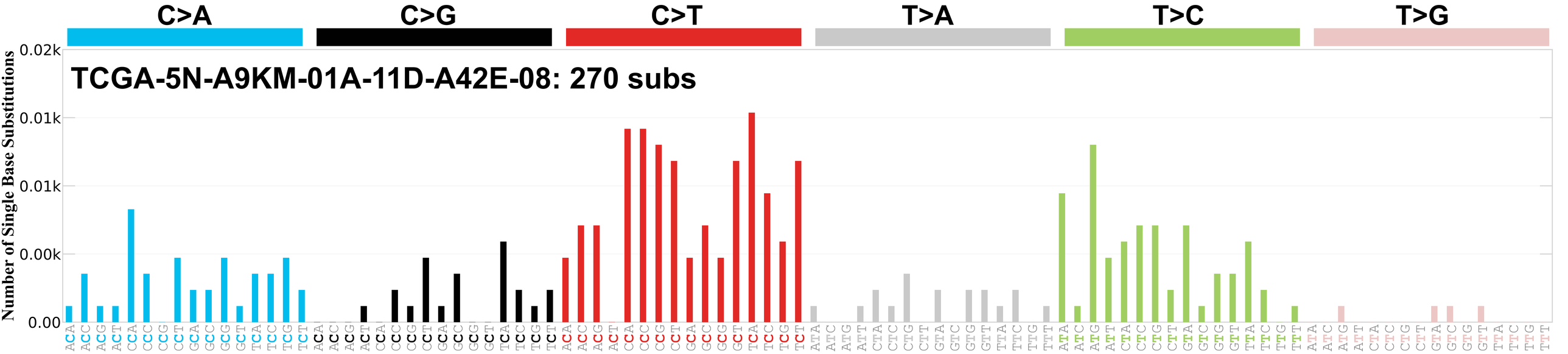

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA84-01A-11D-A391-08: 661 subs
Number of Single Base Substitutions
0.20k
0.15k
0.10k
0.05k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

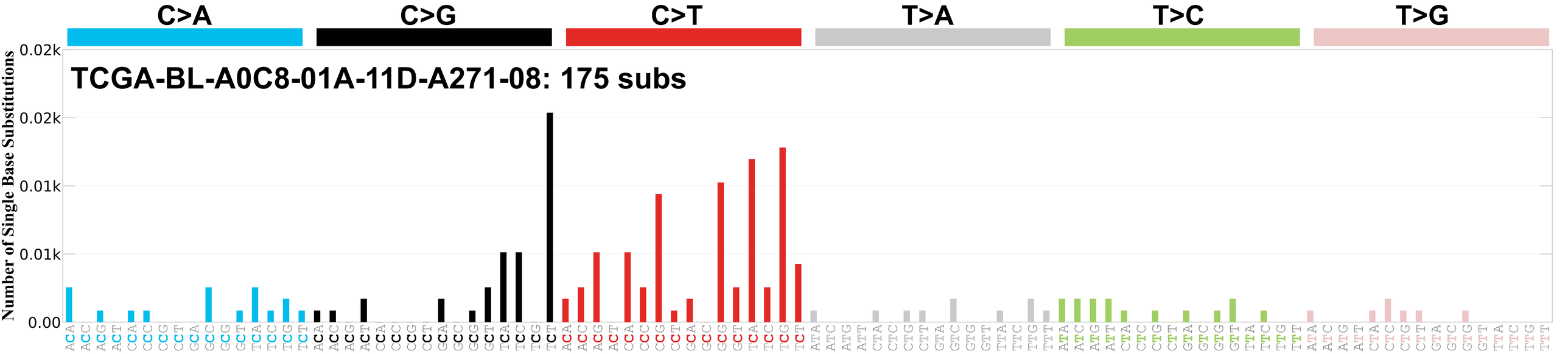

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA86-01A-11D-A391-08: 267 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

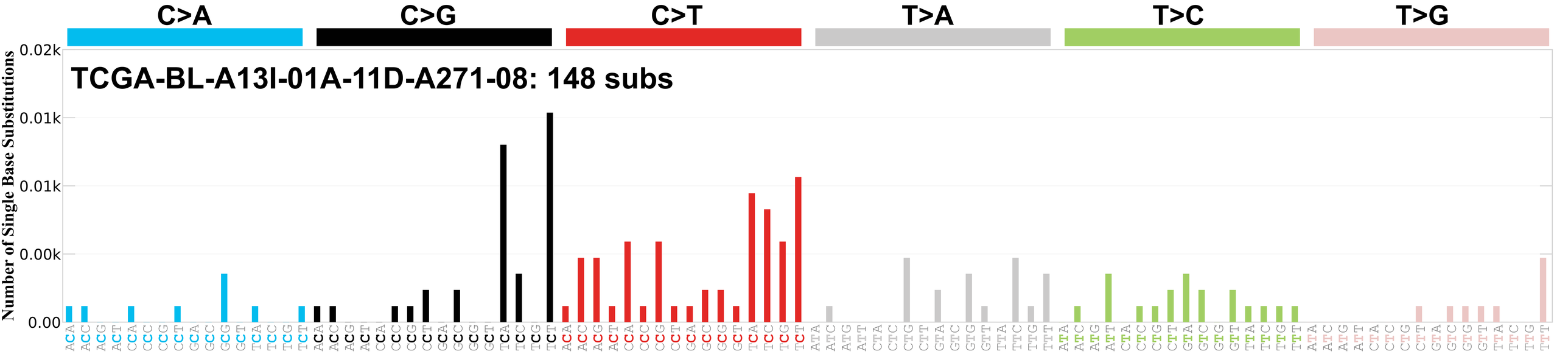

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA87-01A-11D-A391-08: 288 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

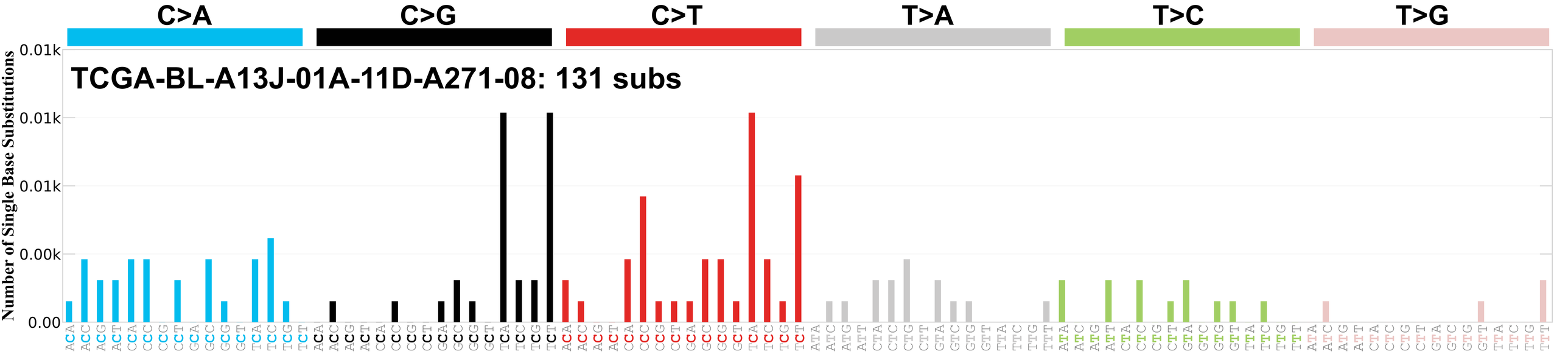

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-4Z-AA89-01A-11D-A391-08: 158 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

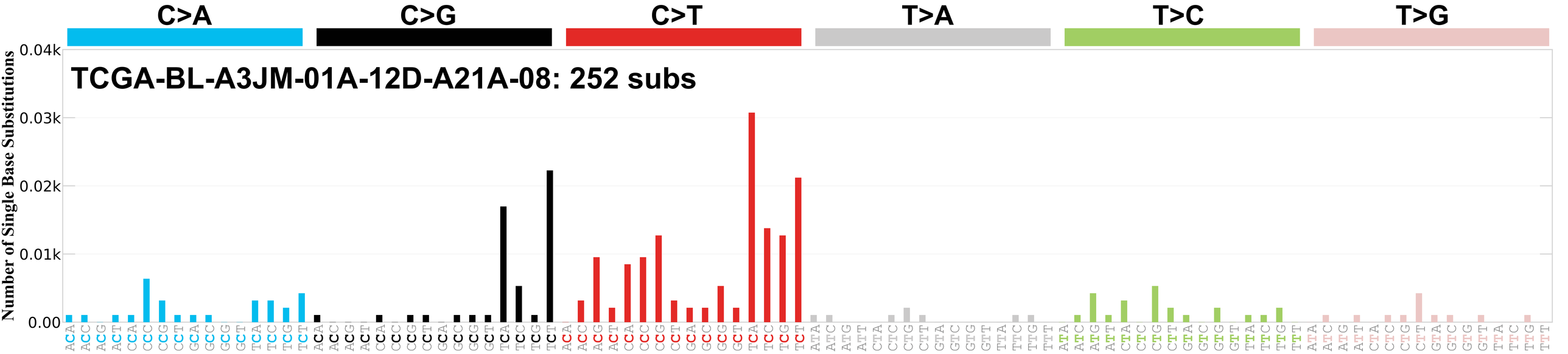

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-5N-A9KI-01A-31D-A42E-08: 213 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

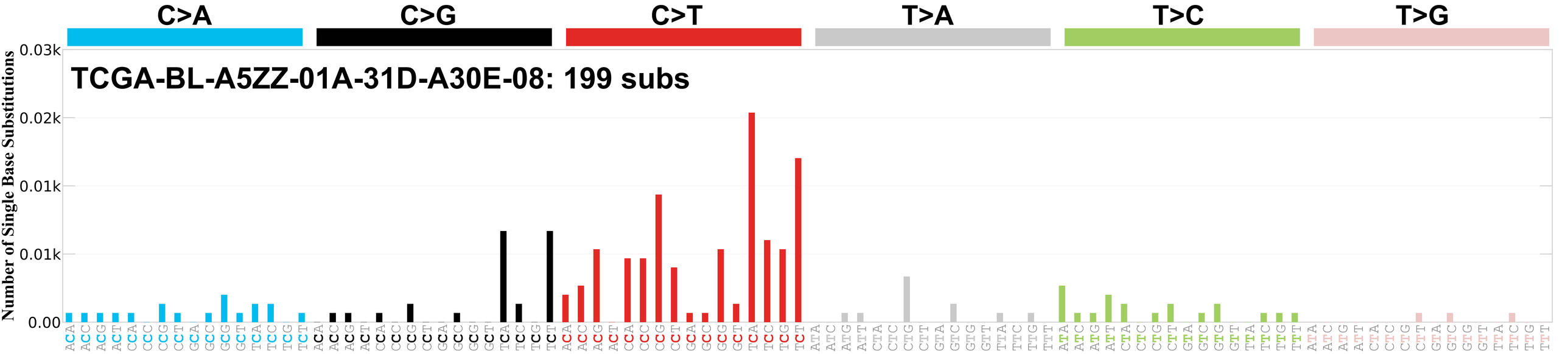

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-5N-A9KM-01A-11D-A42E-08: 270 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

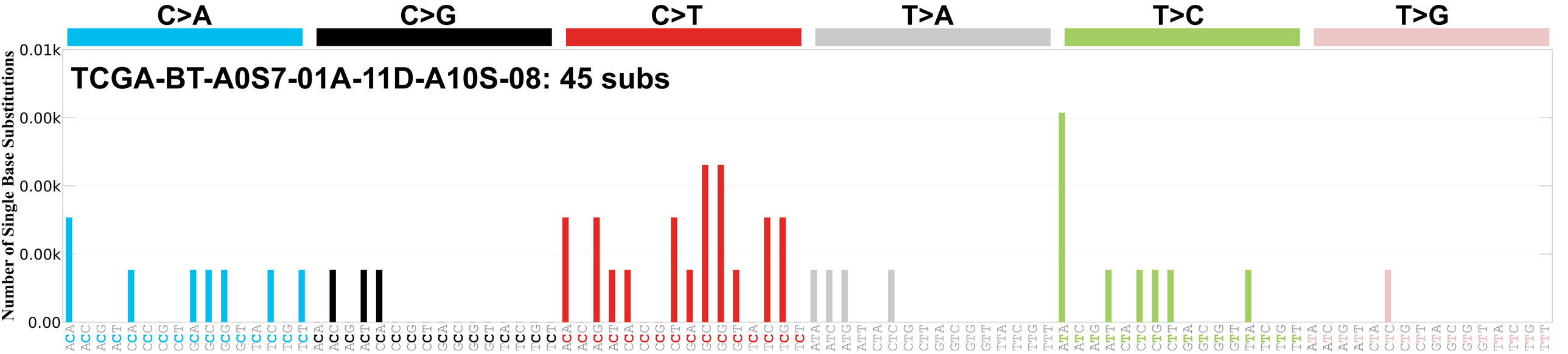

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BL-A0C8-01A-11D-A271-08: 175 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

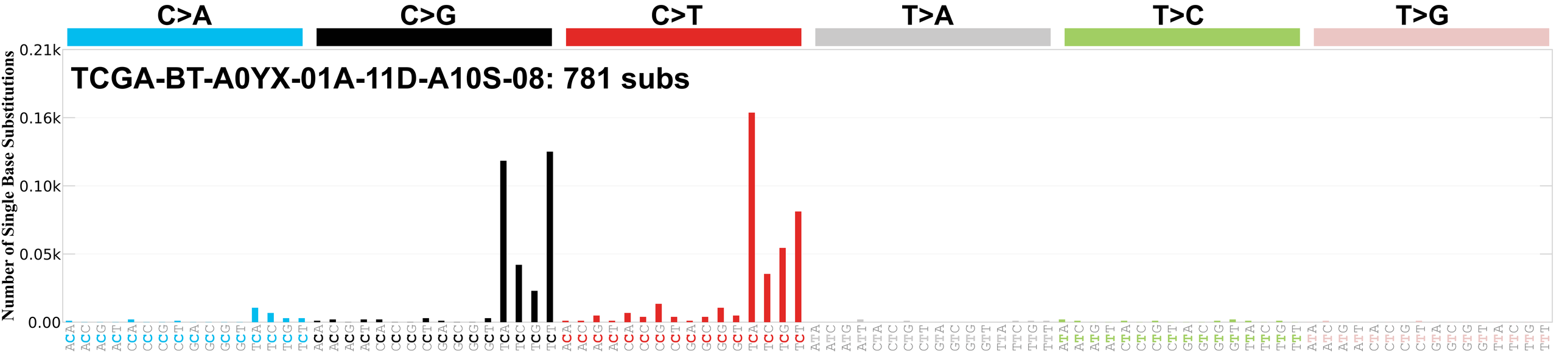

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BL-A13I-01A-11D-A271-08: 148 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

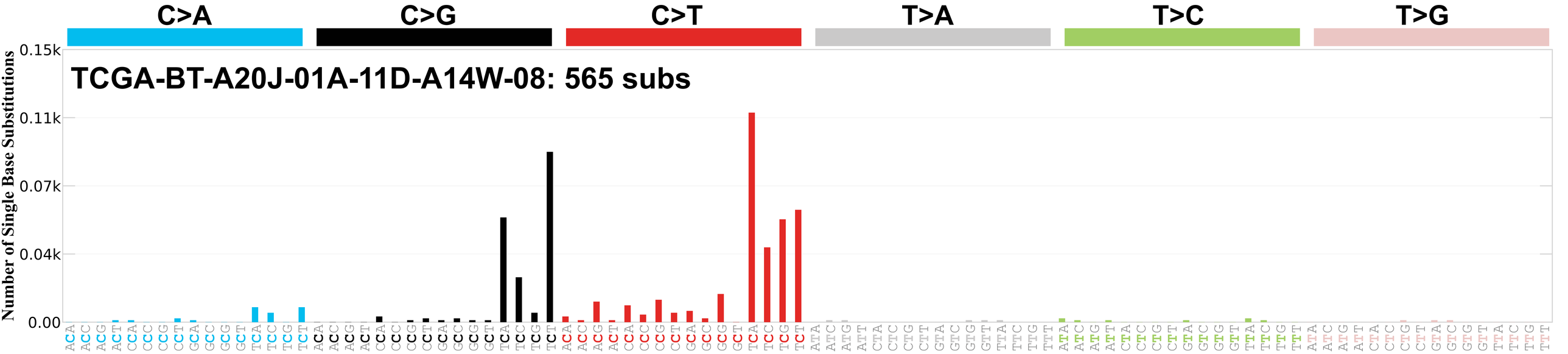

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BL-A13J-01A-11D-A271-08: 131 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

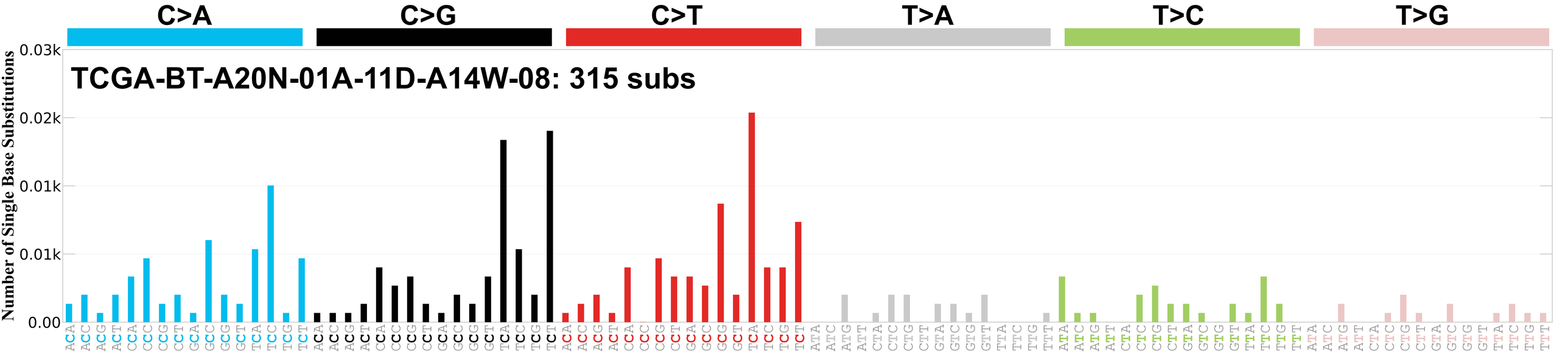

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BL-A3JM-01A-12D-A21A-08: 252 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

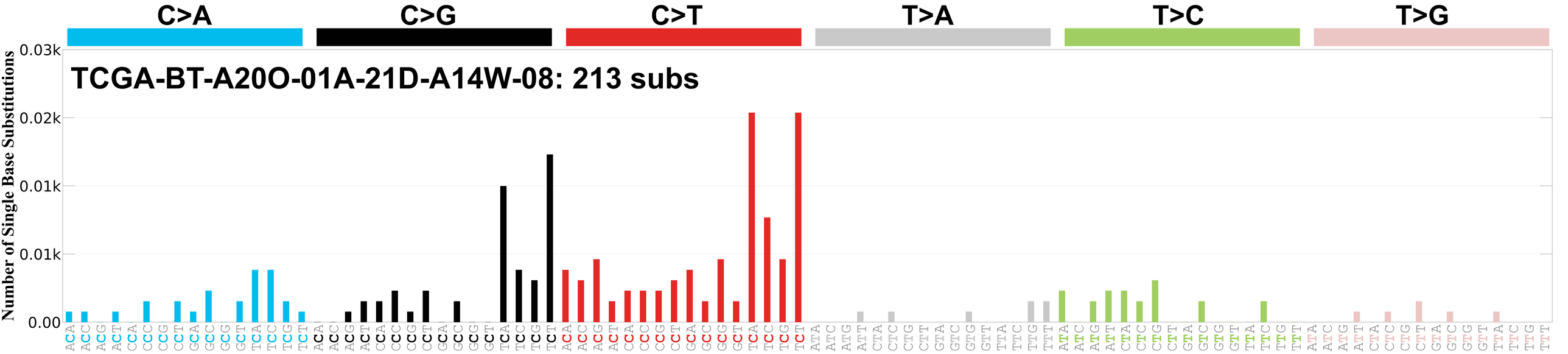

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BL-A5ZZ-01A-31D-A30E-08: 199 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

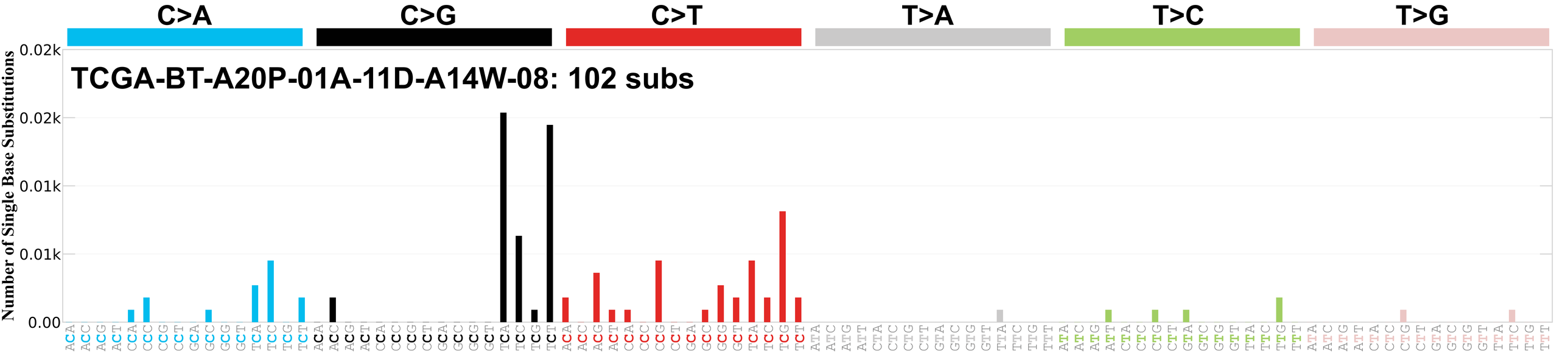

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A0S7-01A-11D-A10S-08: 45 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

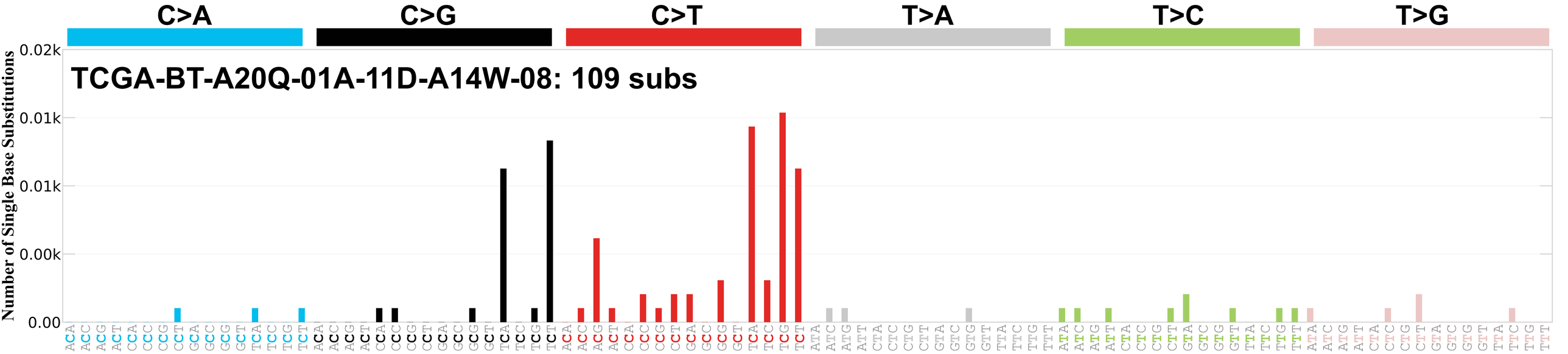

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A0YX-01A-11D-A10S-08: 781 subs
Number of Single Base Substitutions
0.21k
0.16k
0.10k
0.05k
0.00

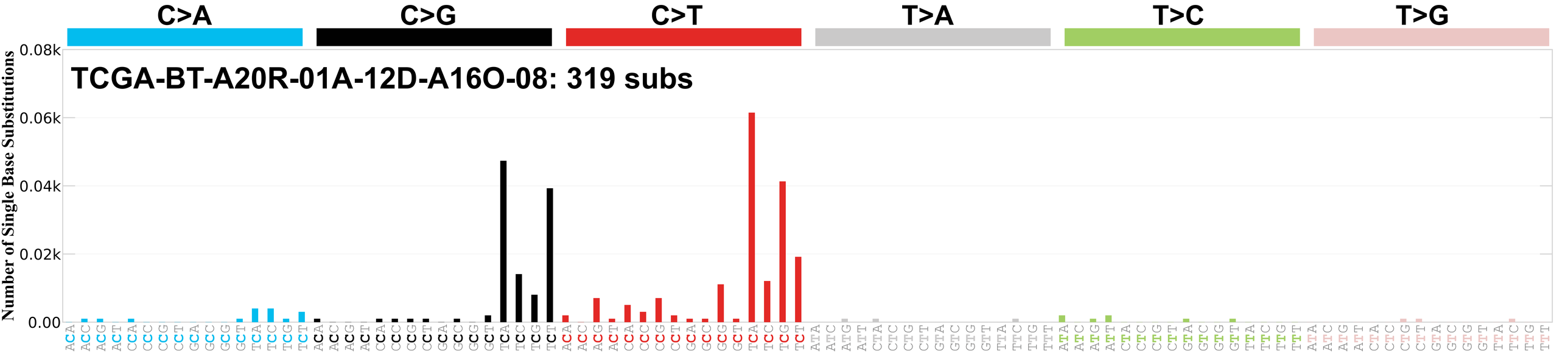

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20J-01A-11D-A14W-08: 565 subs
Number of Single Base Substitutions
0.15k
0.11k
0.07k
0.04k
0.00

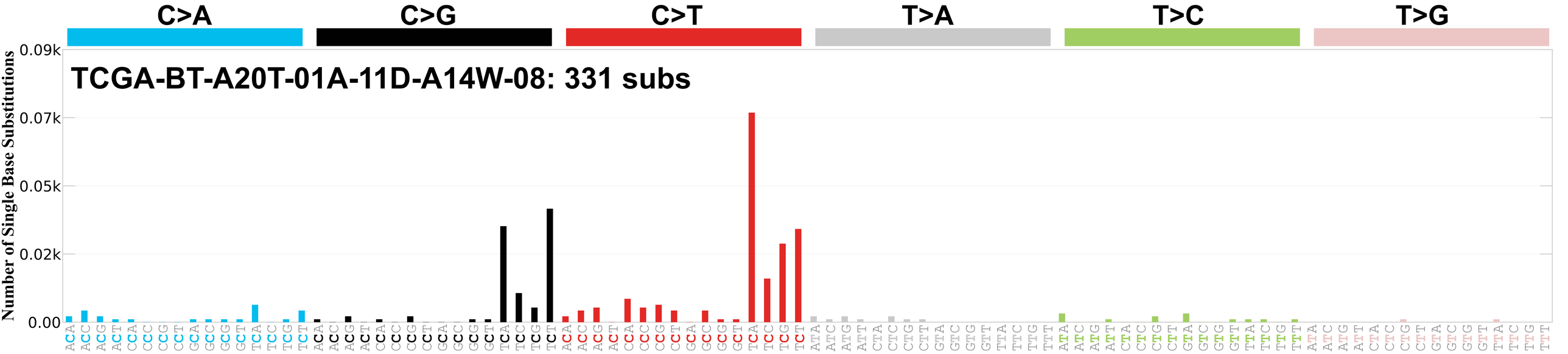

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20N-01A-11D-A14W-08: 315 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

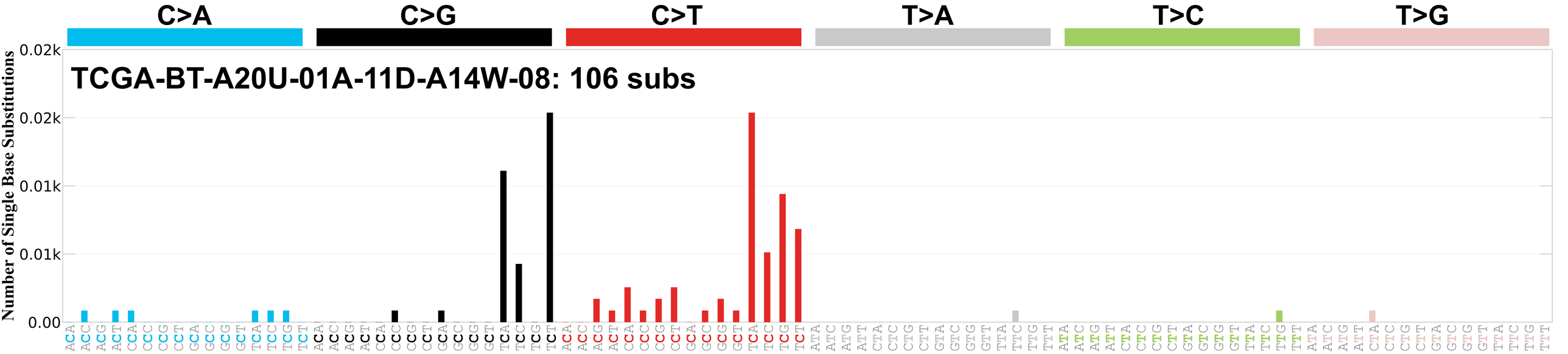

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20O-01A-21D-A14W-08: 213 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

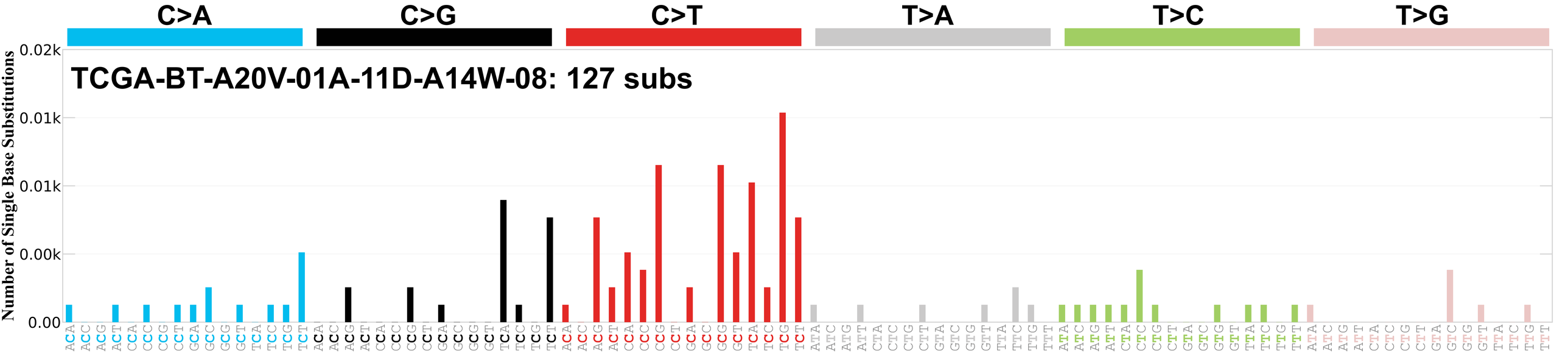

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20P-01A-11D-A14W-08: 102 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

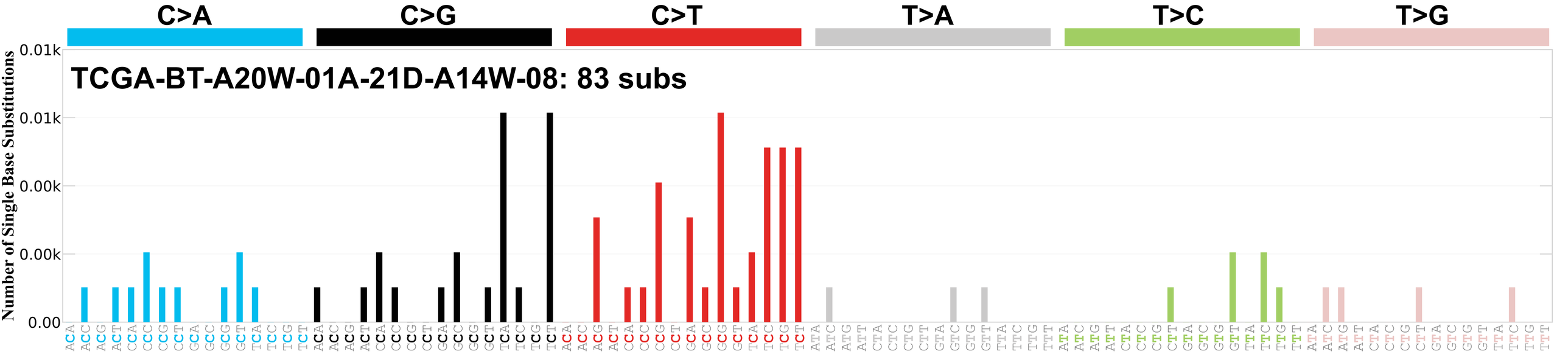

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20Q-01A-11D-A14W-08: 109 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

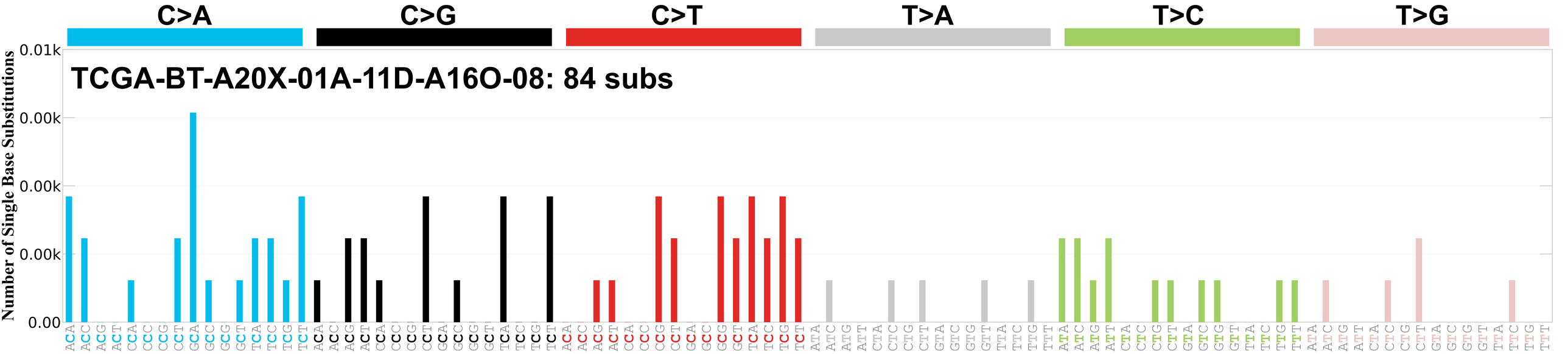

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20R-01A-12D-A16O-08: 319 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

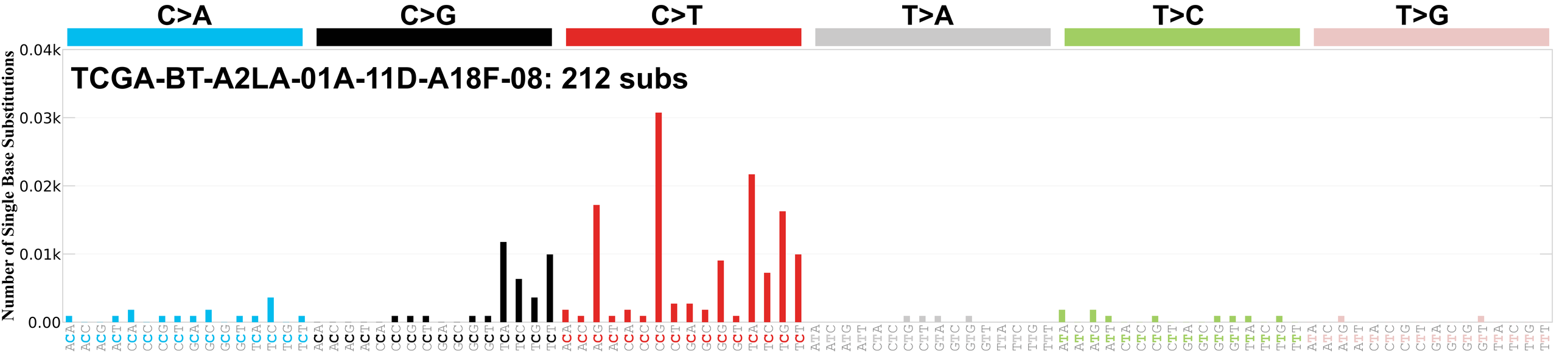

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20T-01A-11D-A14W-08: 331 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

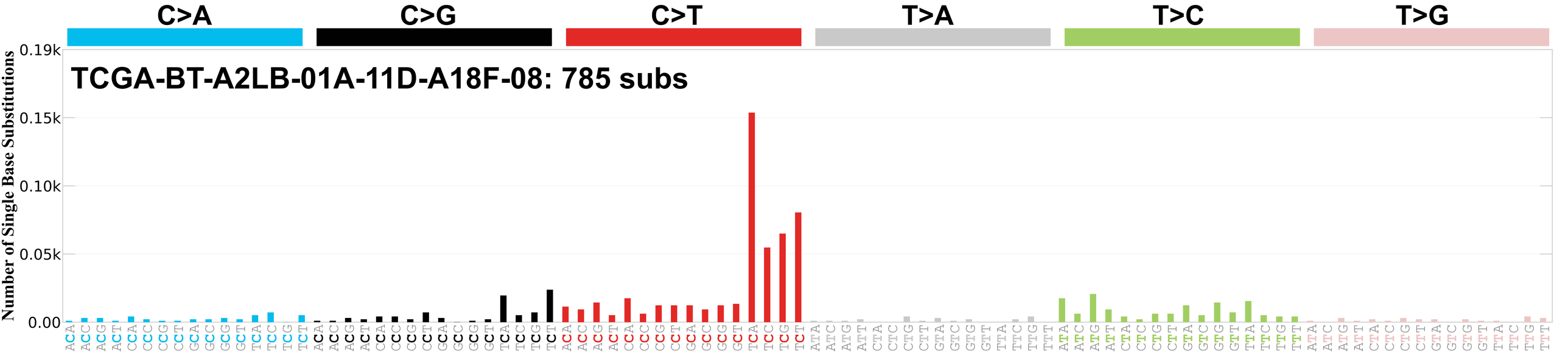

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20U-01A-11D-A14W-08: 106 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

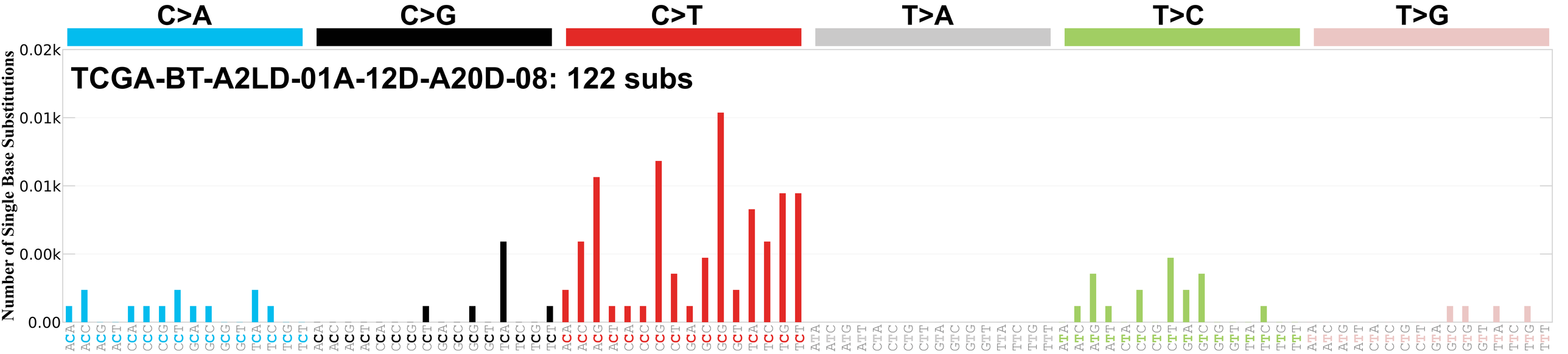

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20V-01A-11D-A14W-08: 127 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

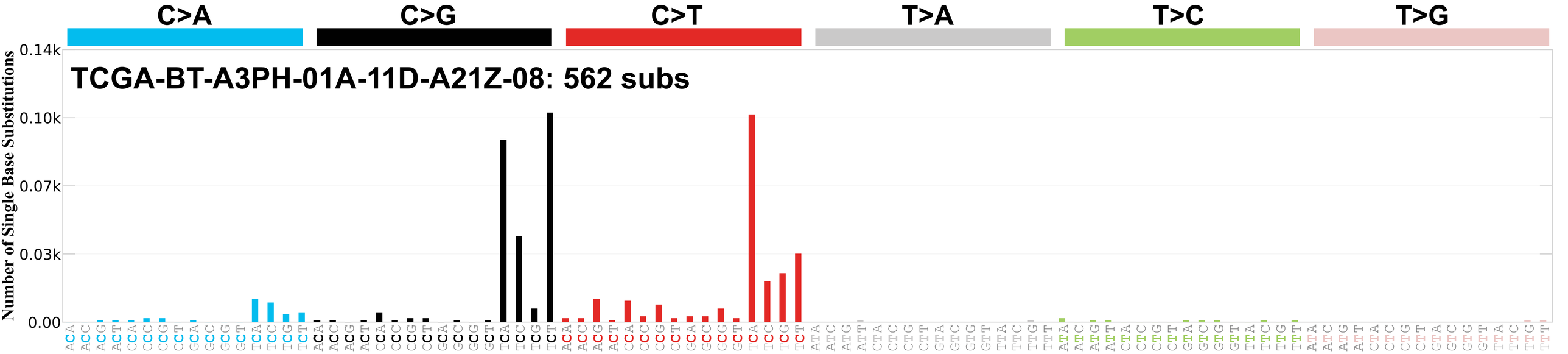

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20W-01A-21D-A14W-08: 83 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

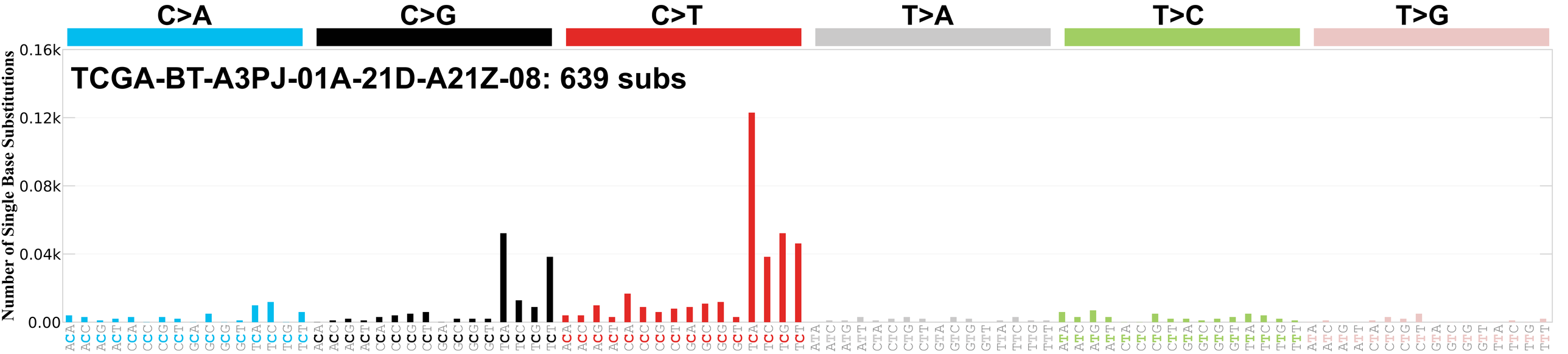

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A20X-01A-11D-A16O-08: 84 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

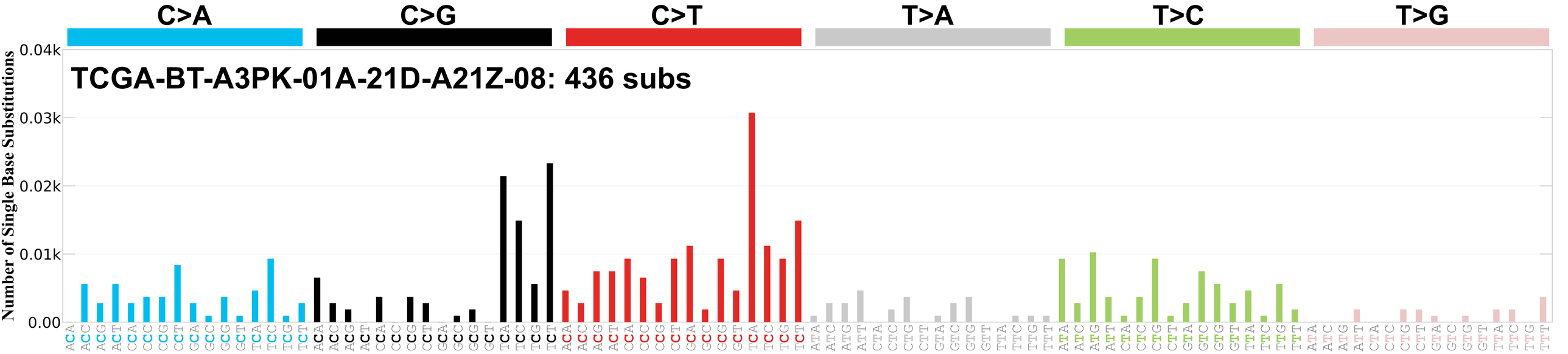

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A2LA-01A-11D-A18F-08: 212 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

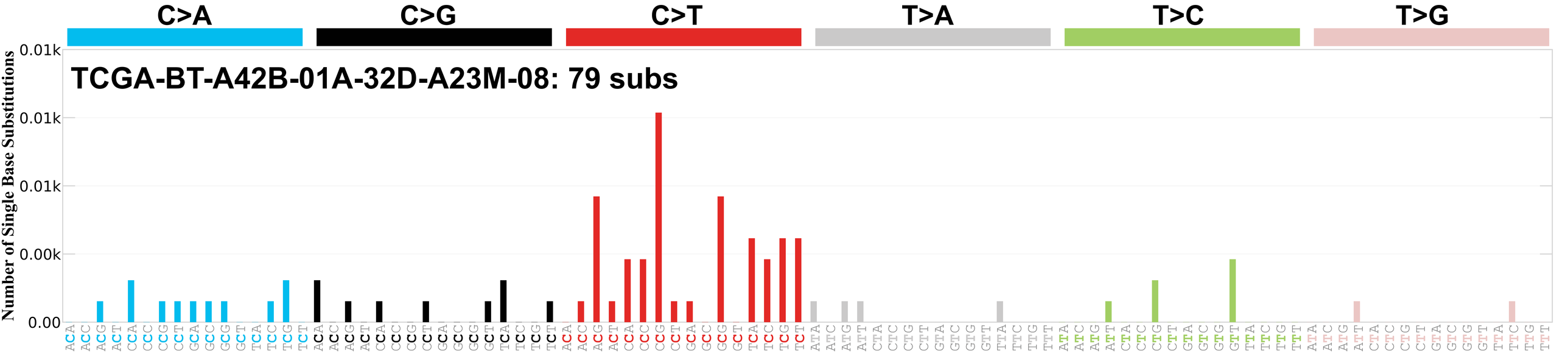

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A2LB-01A-11D-A18F-08: 785 subs
Number of Single Base Substitutions
0.19k
0.15k
0.10k
0.05k
0.00

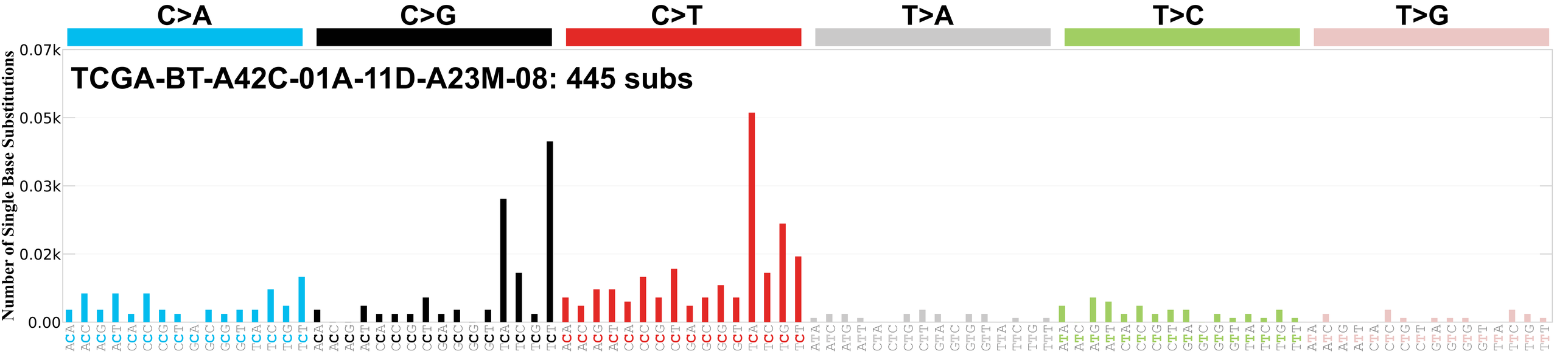

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A2LD-01A-12D-A20D-08: 122 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

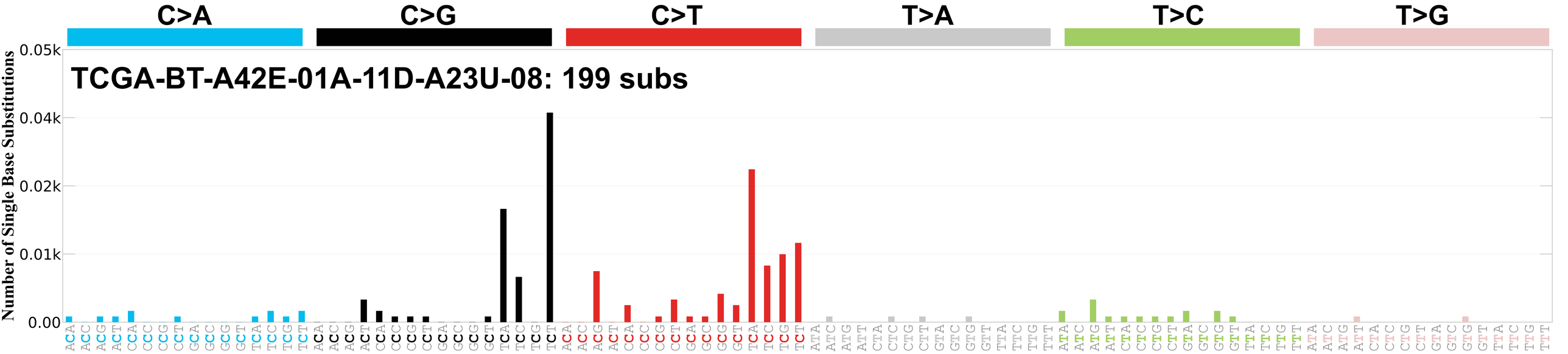

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A3PH-01A-11D-A21Z-08: 562 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

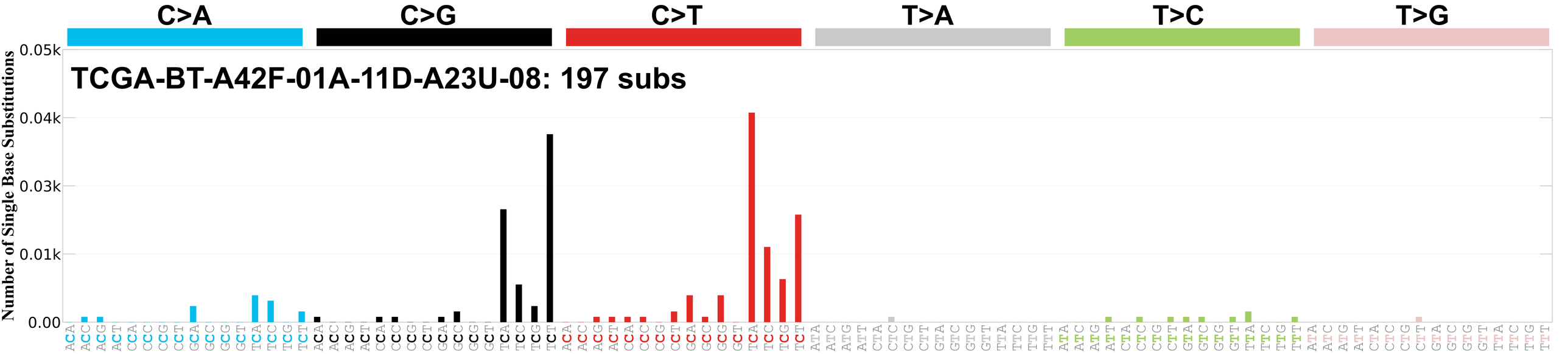

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A3PJ-01A-21D-A21Z-08: 639 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

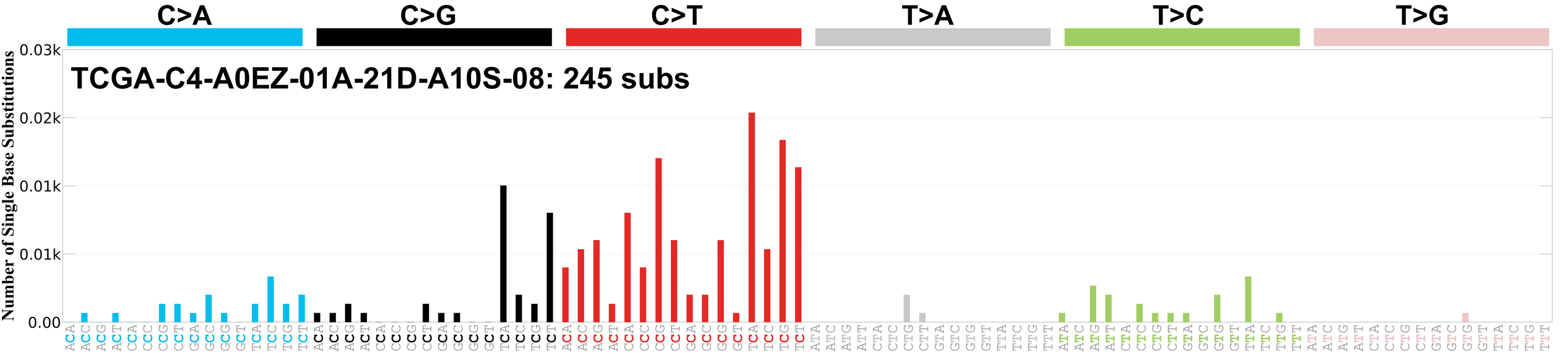

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A3PK-01A-21D-A21Z-08: 436 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

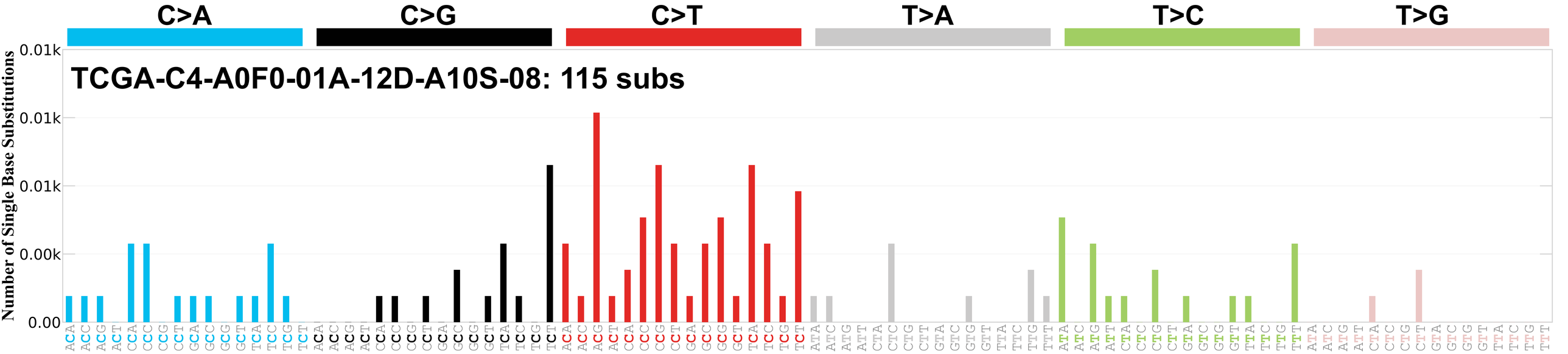

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A42B-01A-32D-A23M-08: 79 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

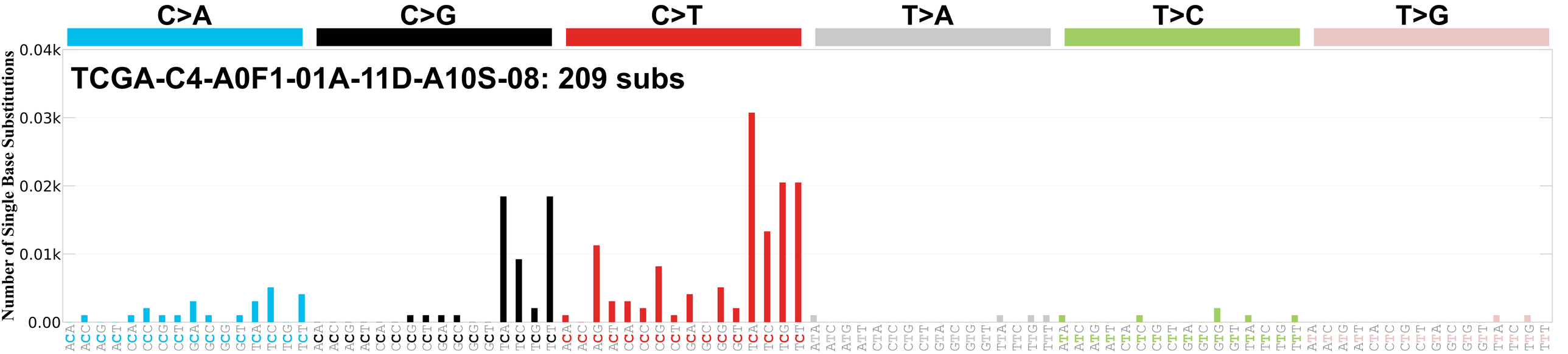

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A42C-01A-11D-A23M-08: 445 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

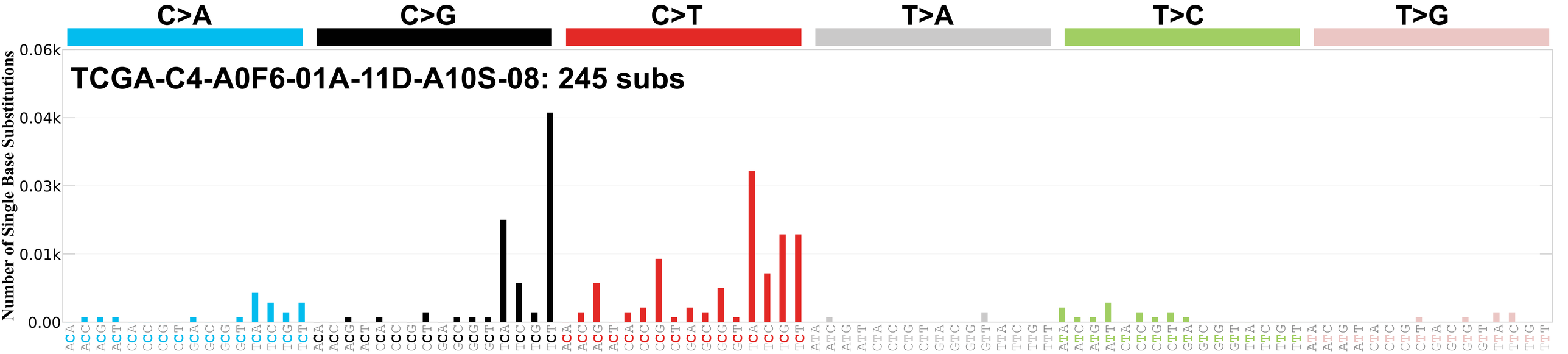

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A42E-01A-11D-A23U-08: 199 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

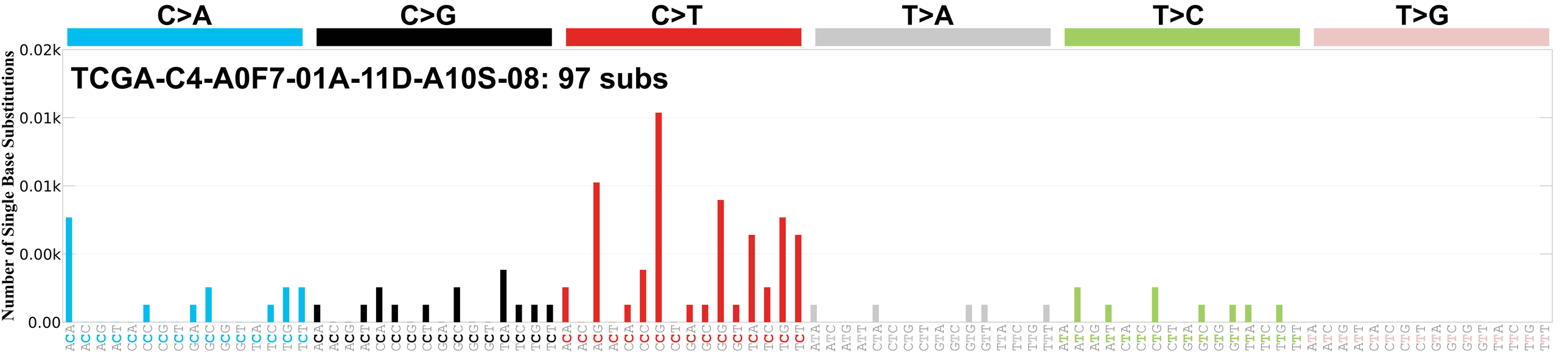

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-BT-A42F-01A-11D-A23U-08: 197 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

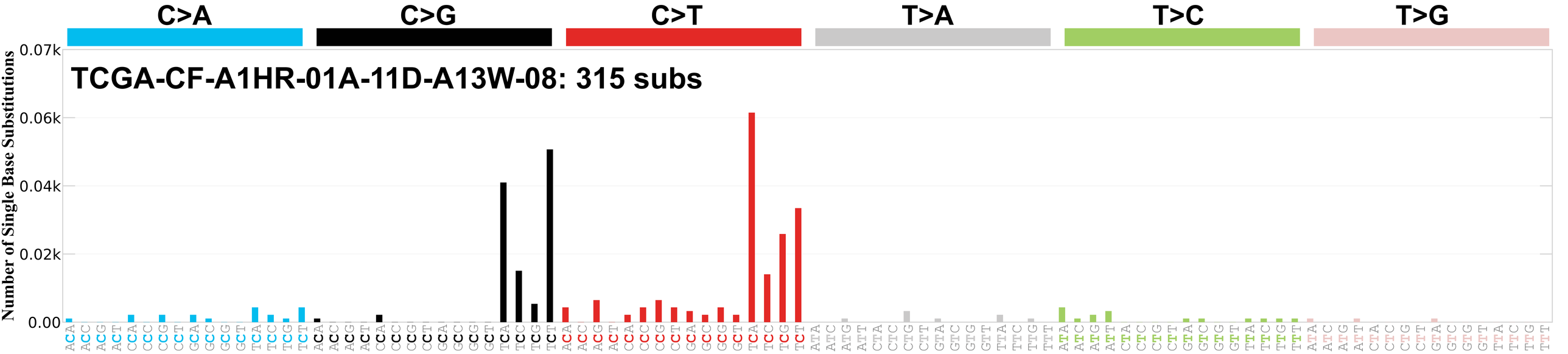

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-C4-A0EZ-01A-21D-A10S-08: 245 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

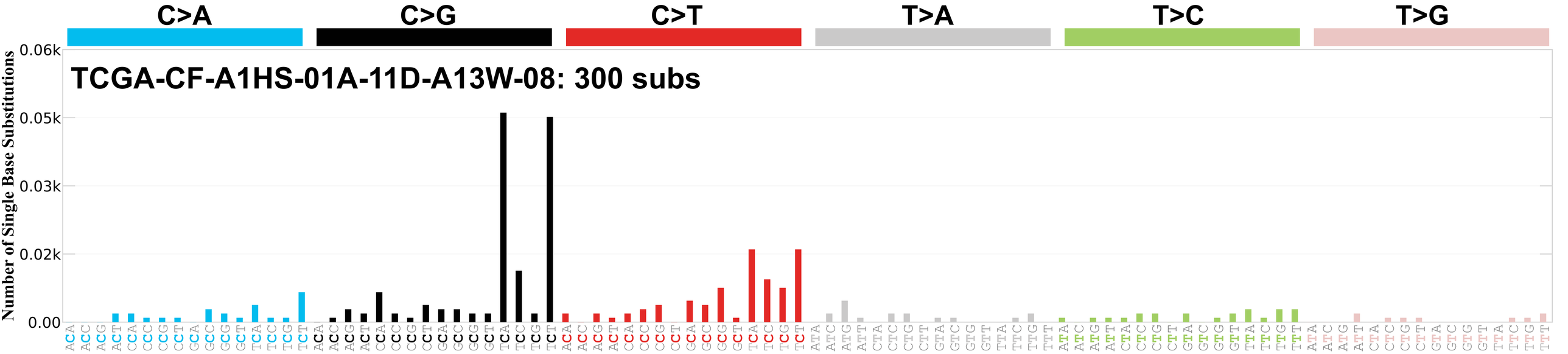

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-C4-A0F0-01A-12D-A10S-08: 115 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

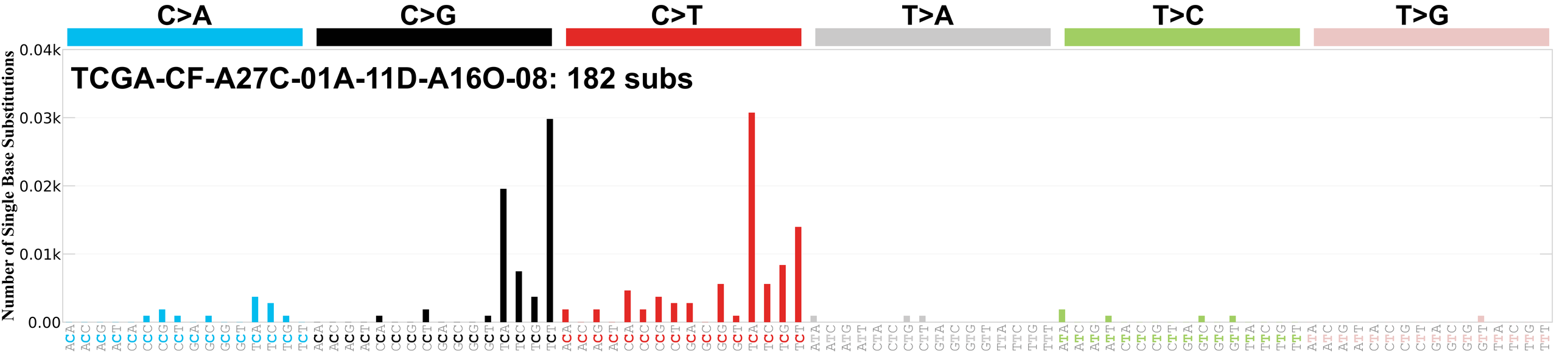

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-C4-A0F1-01A-11D-A10S-08: 209 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

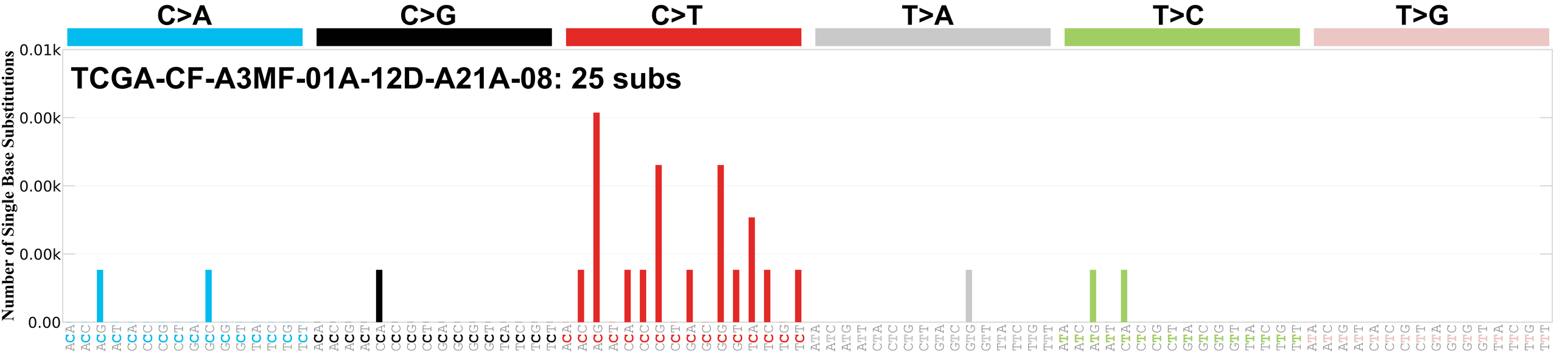

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-C4-A0F6-01A-11D-A10S-08: 245 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

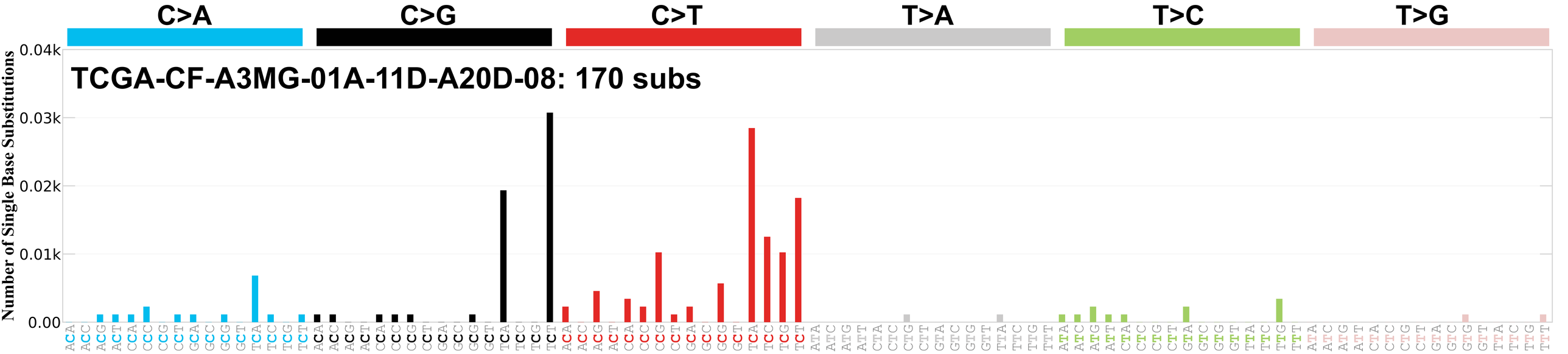

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-C4-A0F7-01A-11D-A10S-08: 97 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

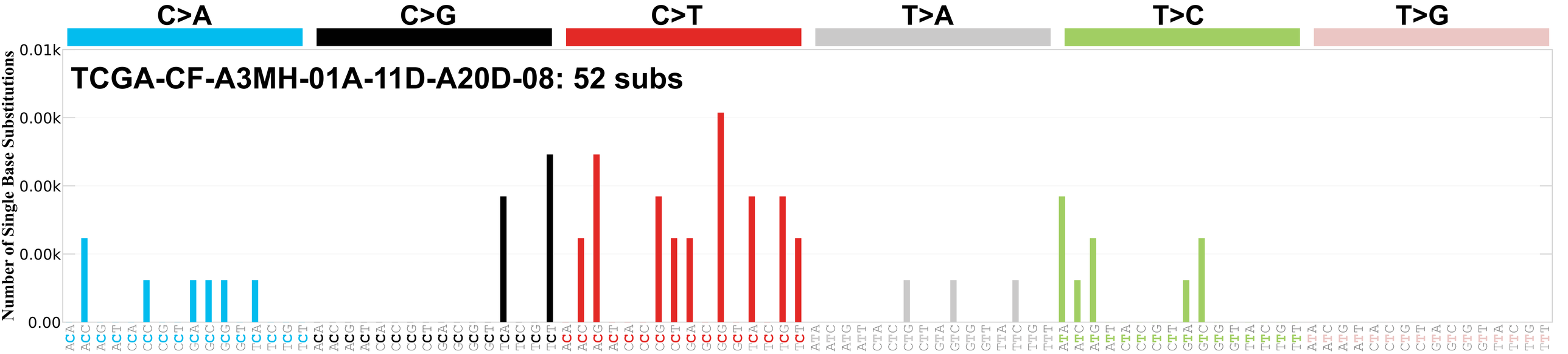

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A1HR-01A-11D-A13W-08: 315 subs
Number of Single Base Substitutions
0.07k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

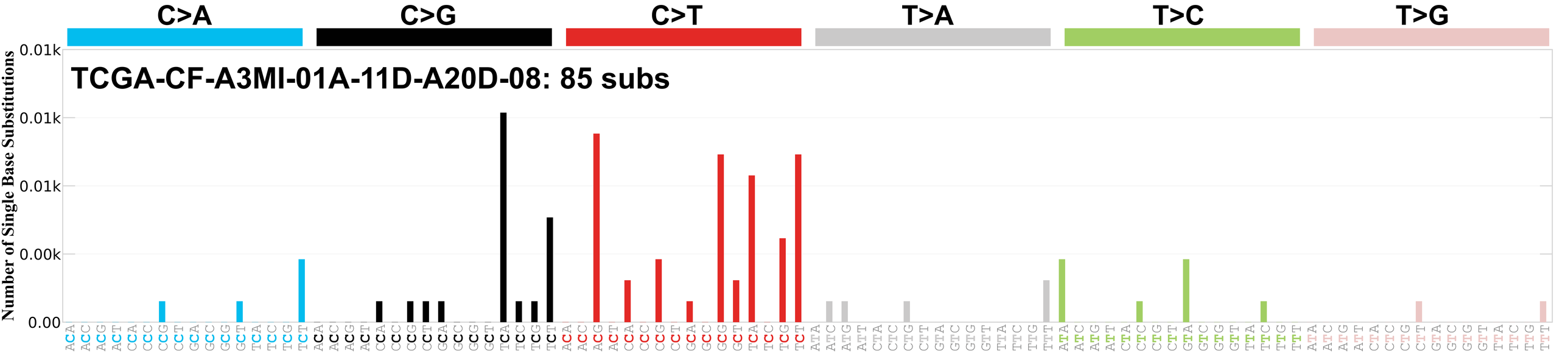

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A1HS-01A-11D-A13W-08: 300 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

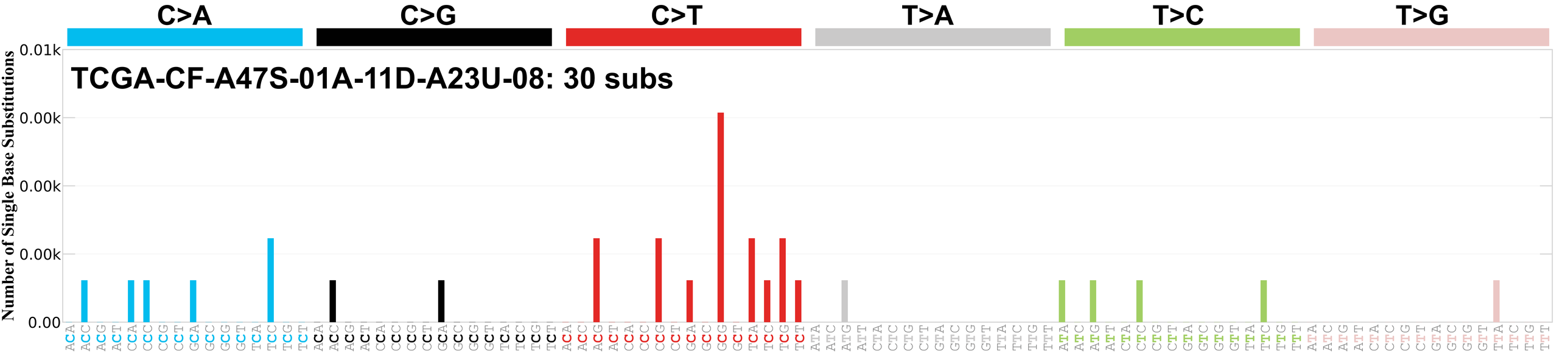

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A27C-01A-11D-A16O-08: 182 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

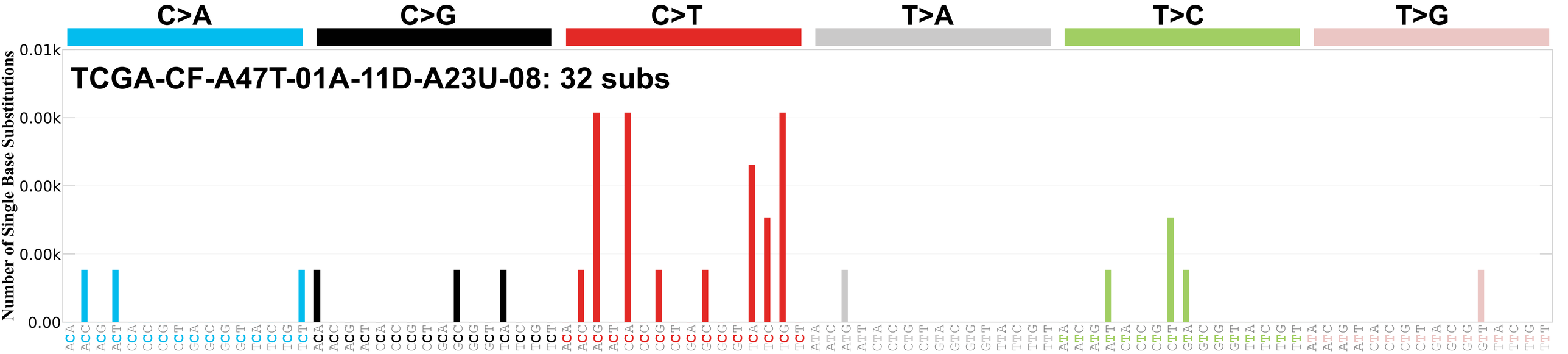

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A3MF-01A-12D-A21A-08: 25 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

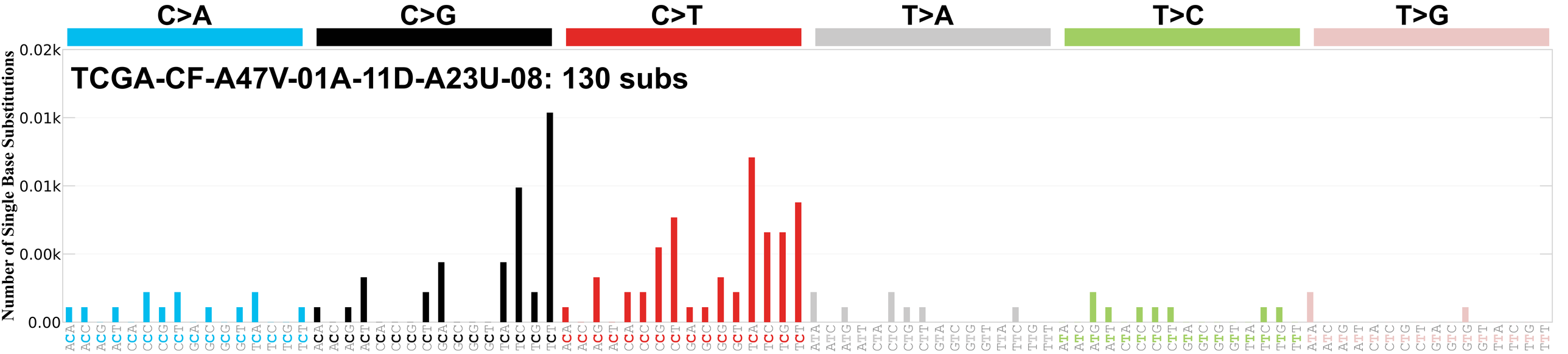

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A3MG-01A-11D-A20D-08: 170 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

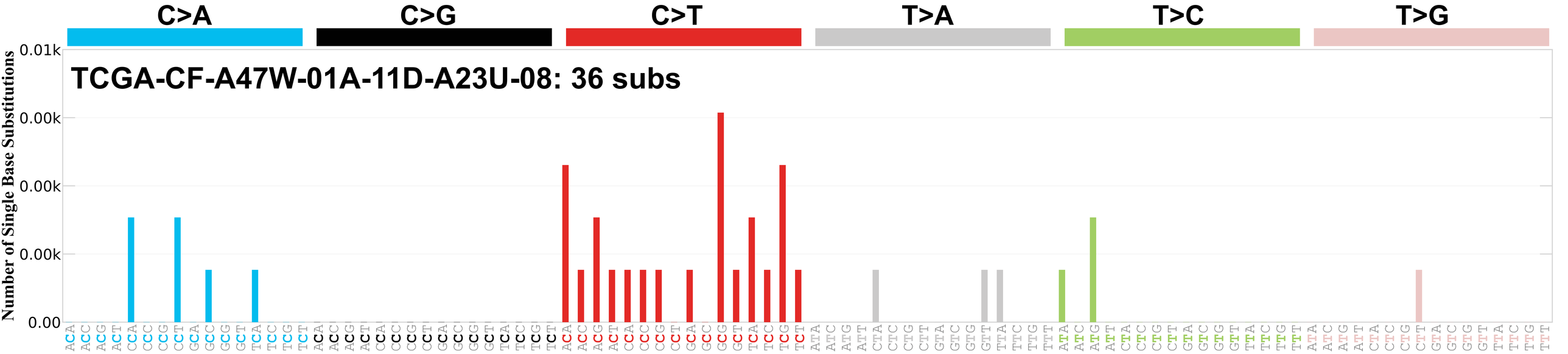

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A3MH-01A-11D-A20D-08: 52 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

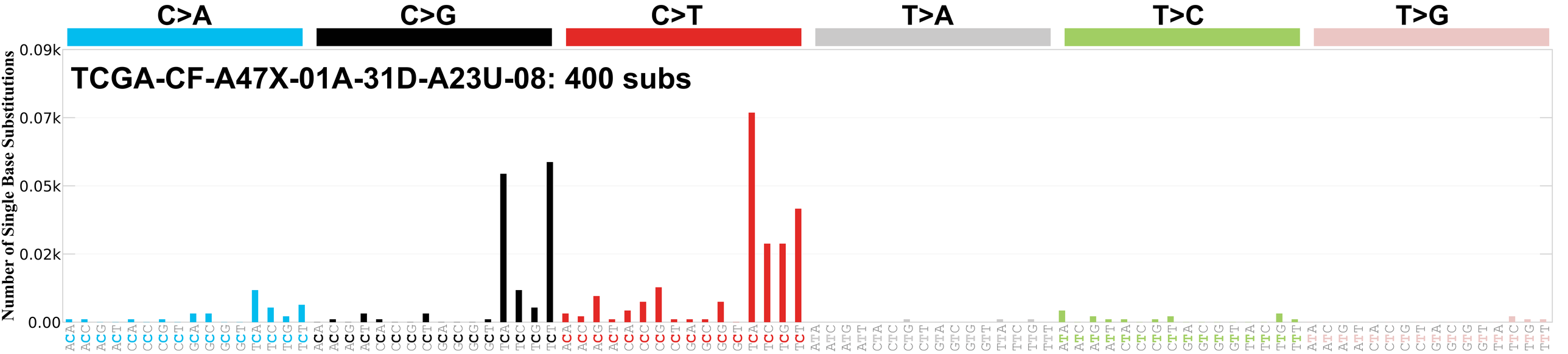

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A3MI-01A-11D-A20D-08: 85 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

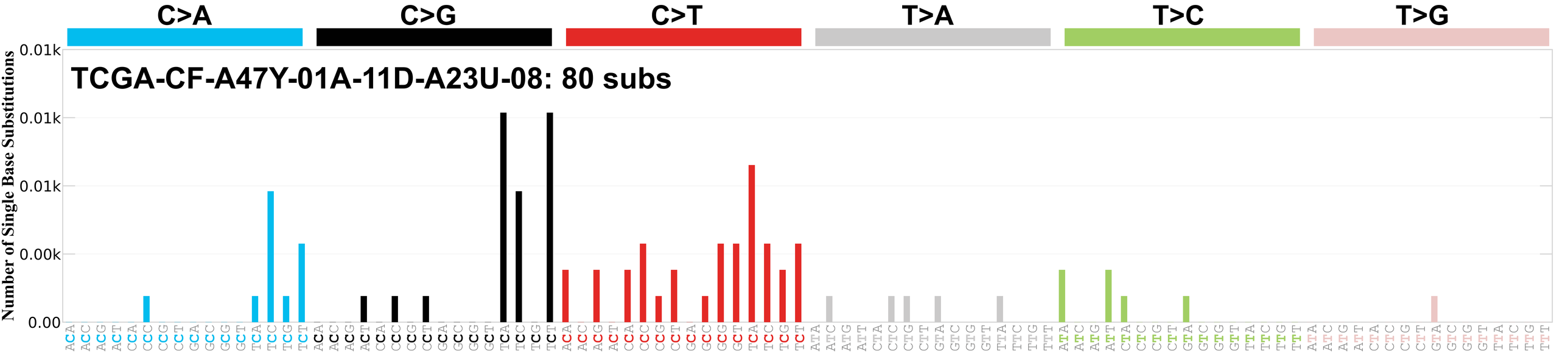

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47S-01A-11D-A23U-08: 30 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

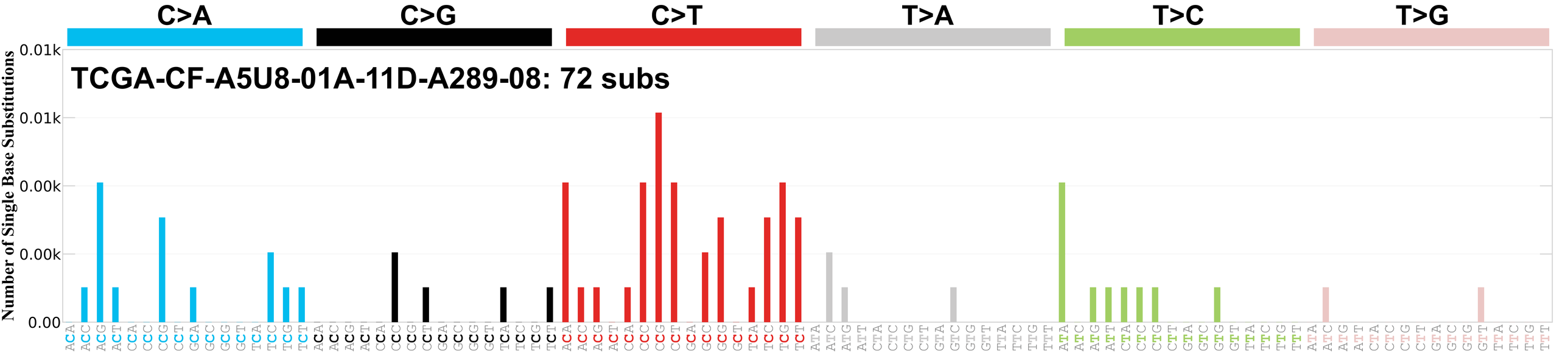

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47T-01A-11D-A23U-08: 32 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

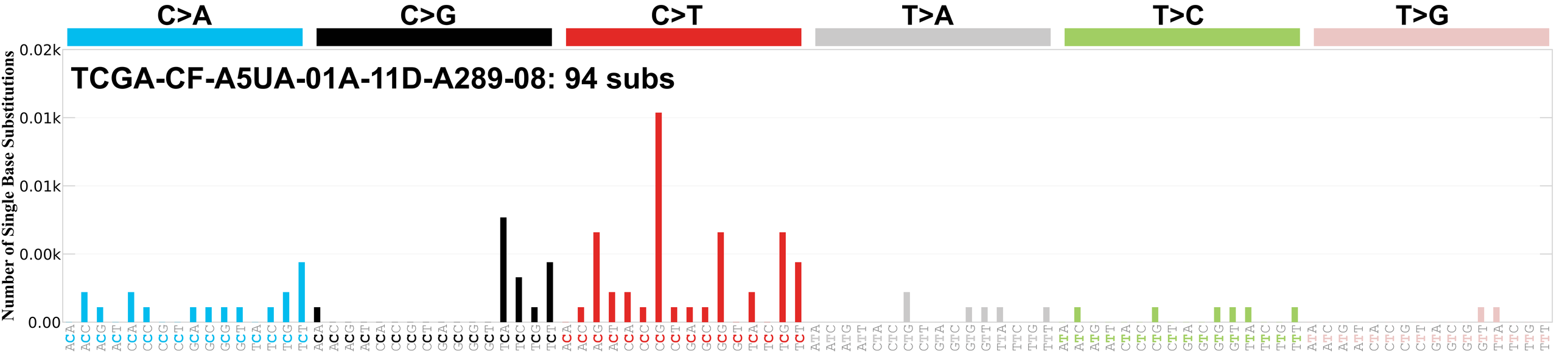

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47V-01A-11D-A23U-08: 130 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

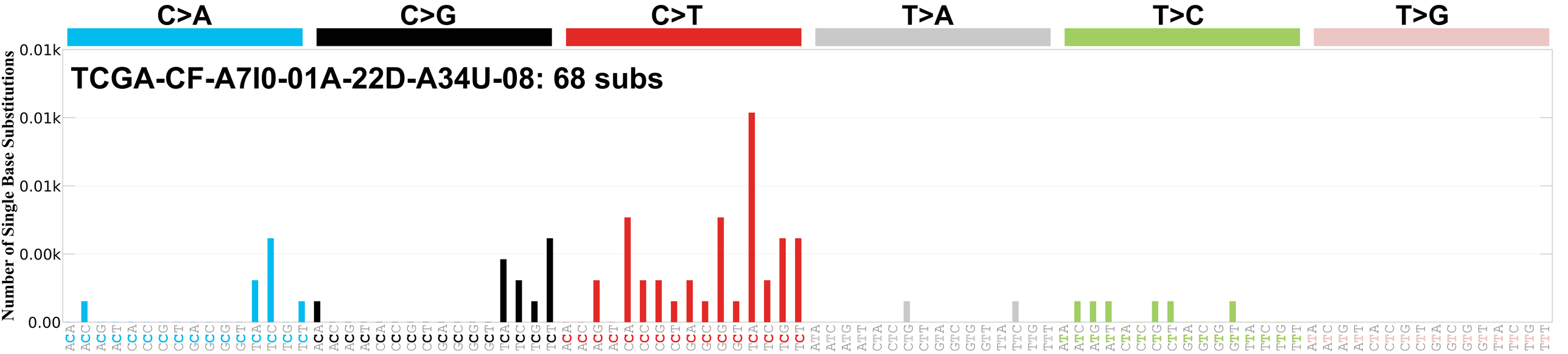

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47W-01A-11D-A23U-08: 36 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

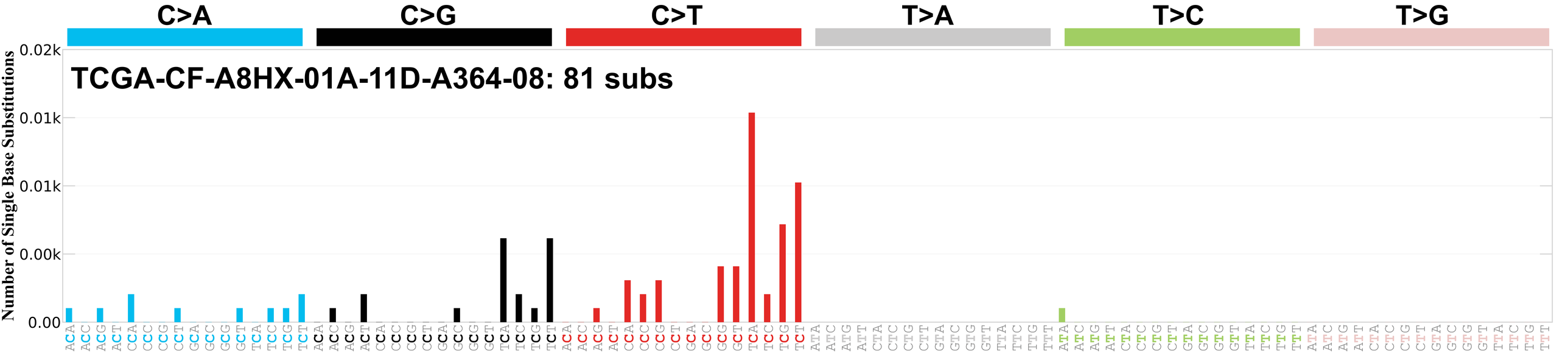

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47X-01A-31D-A23U-08: 400 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00

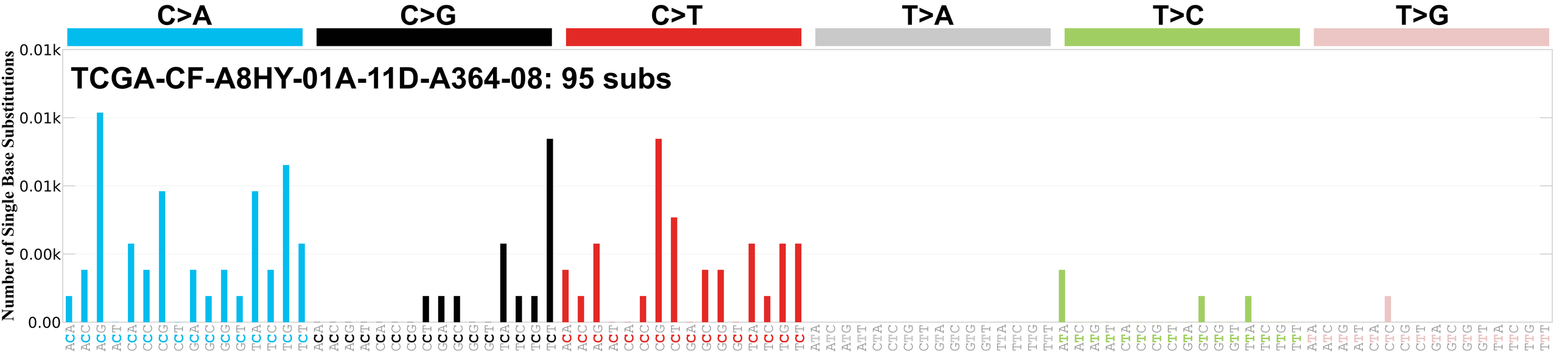

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A47Y-01A-11D-A23U-08: 80 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

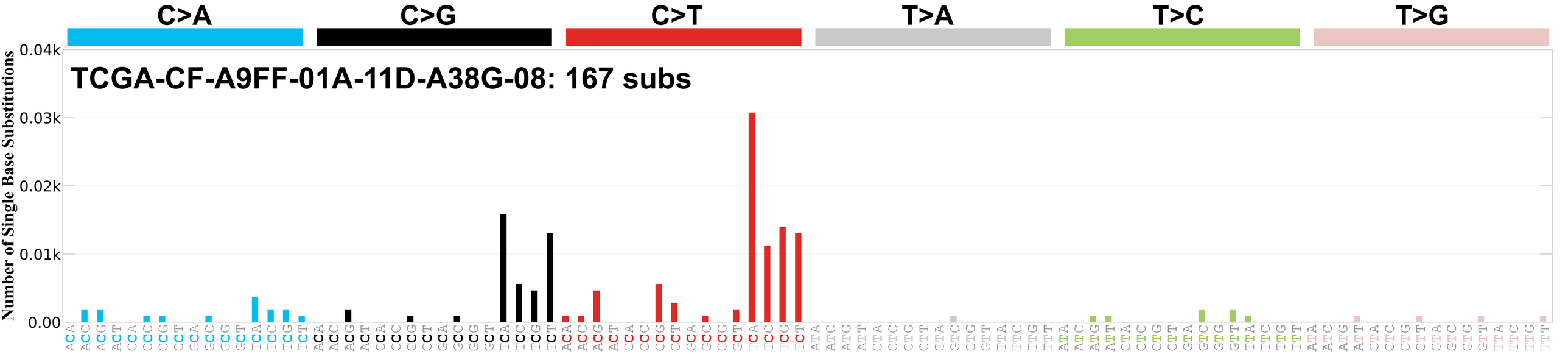

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A5U8-01A-11D-A289-08: 72 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

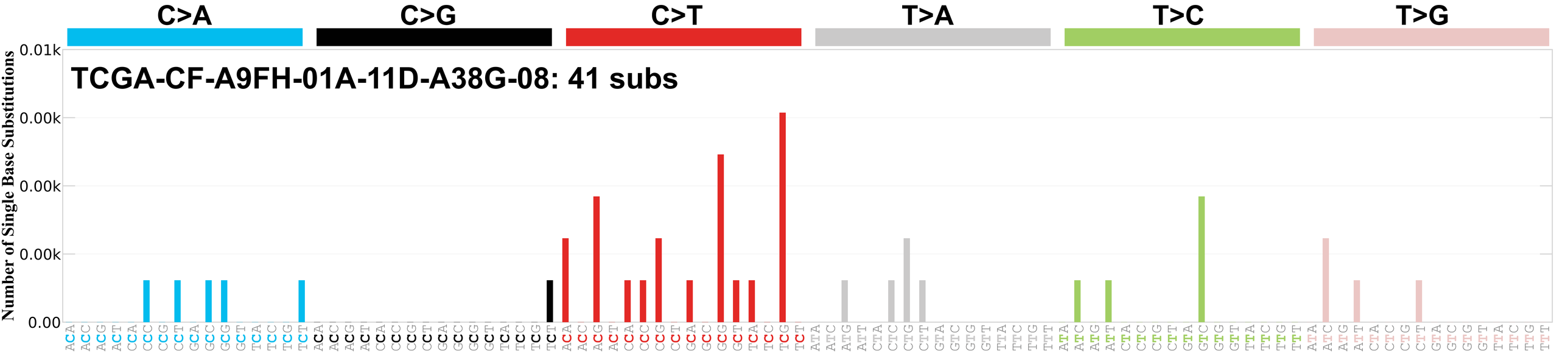

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A5UA-01A-11D-A289-08: 94 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

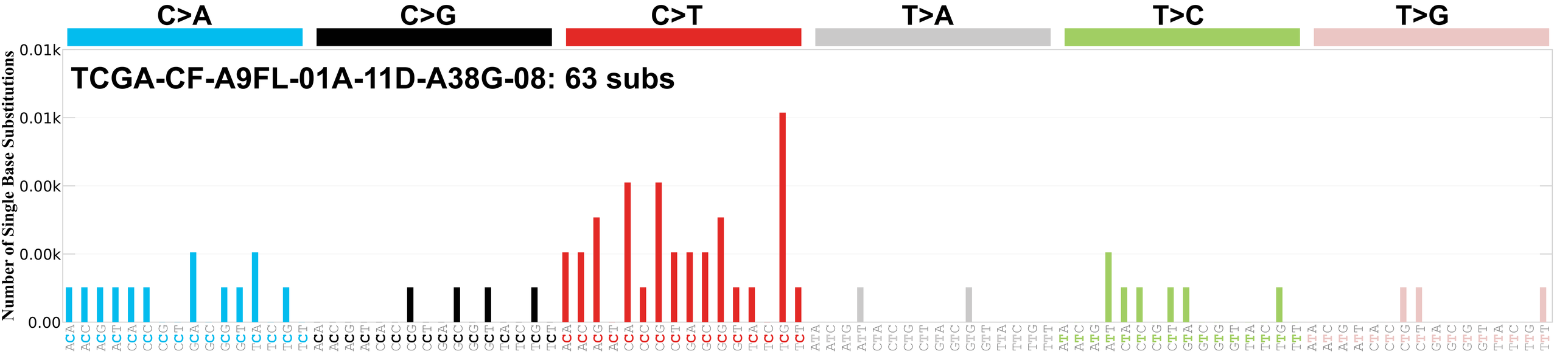

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A7I0-01A-22D-A34U-08: 68 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

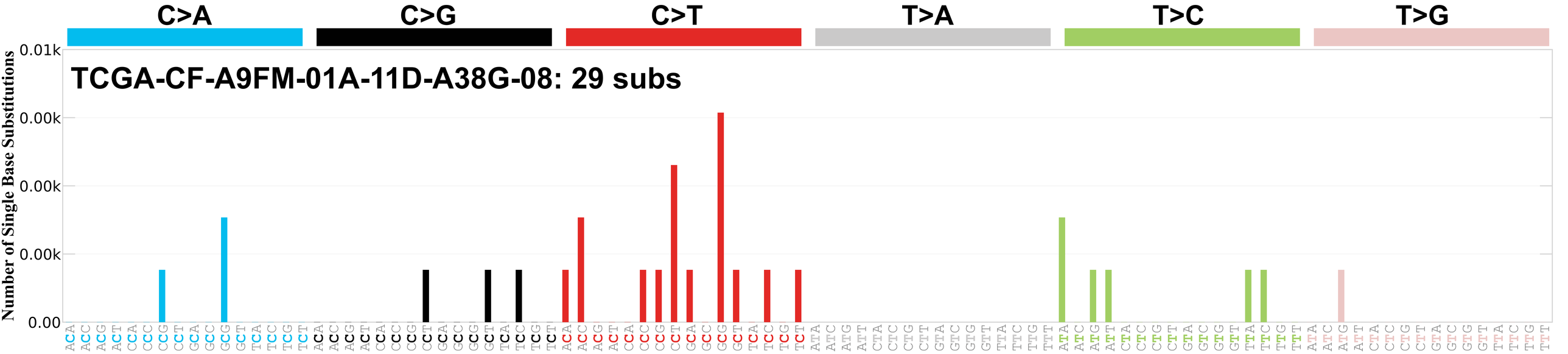

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A8HX-01A-11D-A364-08: 81 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

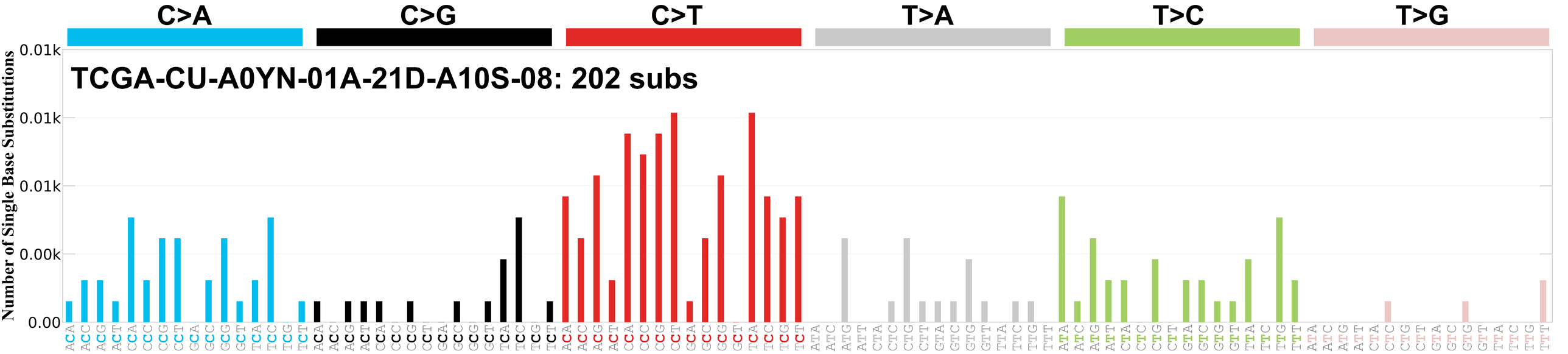

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A8HY-01A-11D-A364-08: 95 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

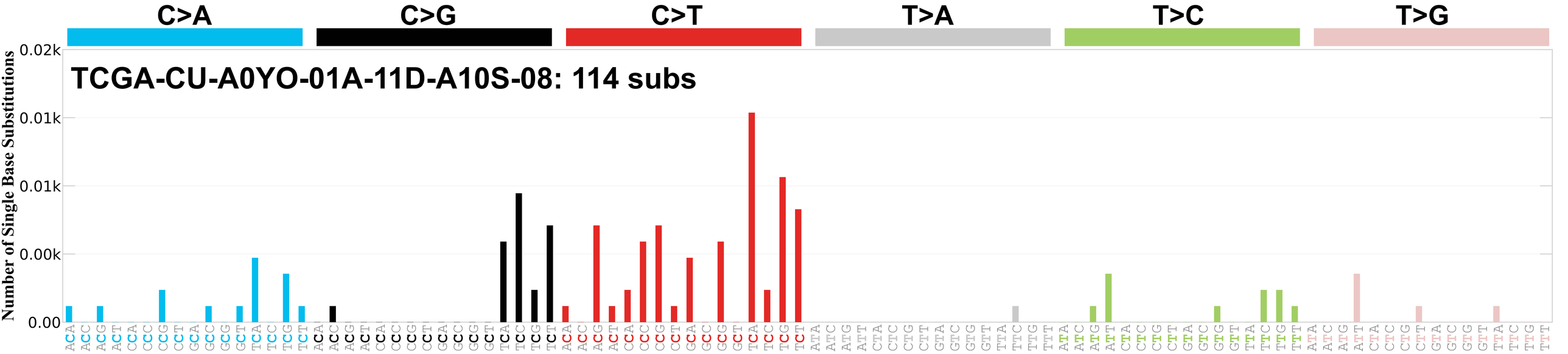

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A9FF-01A-11D-A38G-08: 167 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

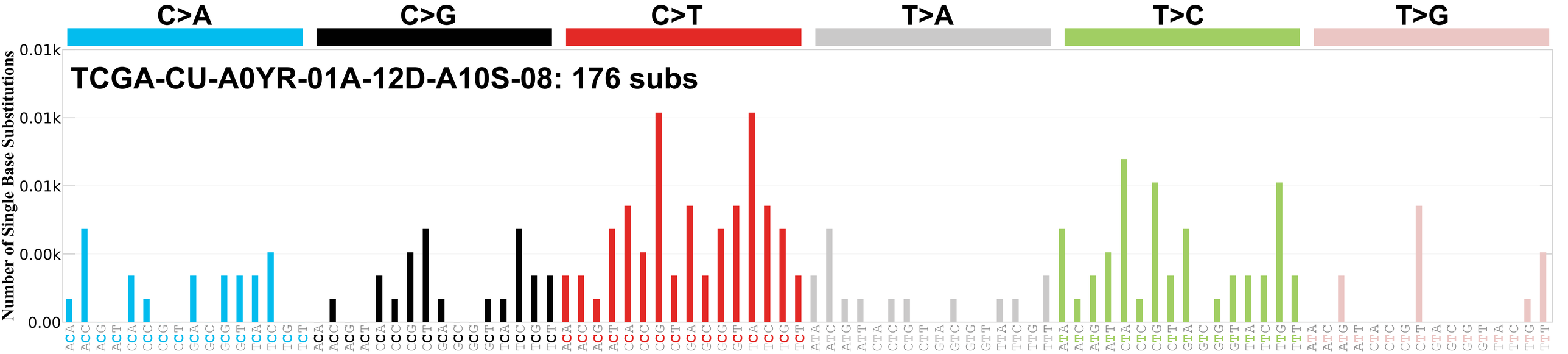

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A9FH-01A-11D-A38G-08: 41 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

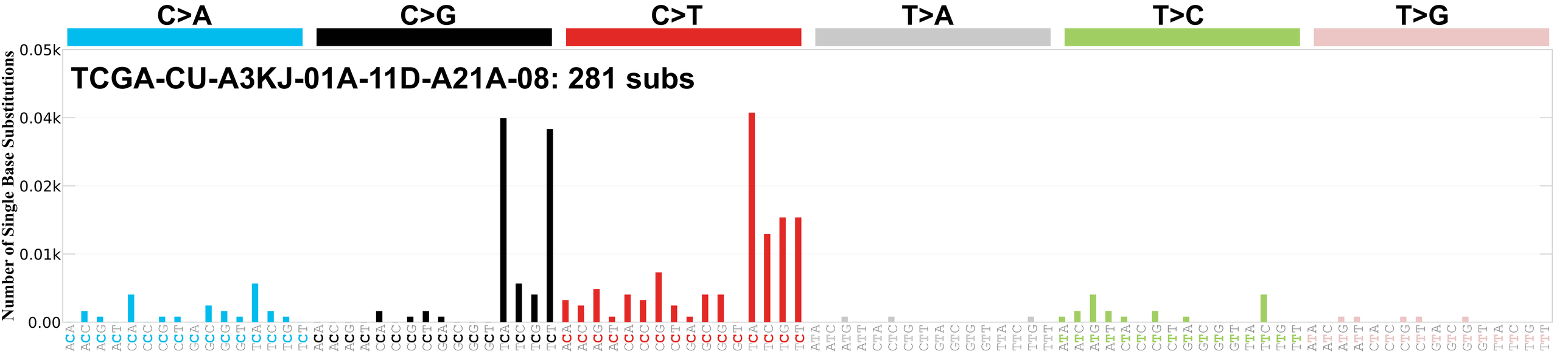

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A9FL-01A-11D-A38G-08: 63 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

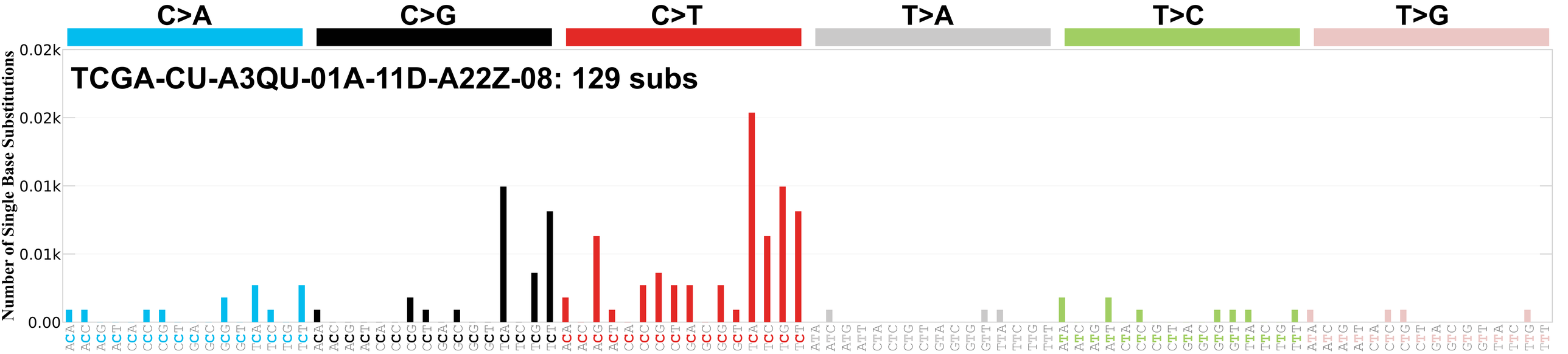

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CF-A9FM-01A-11D-A38G-08: 29 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

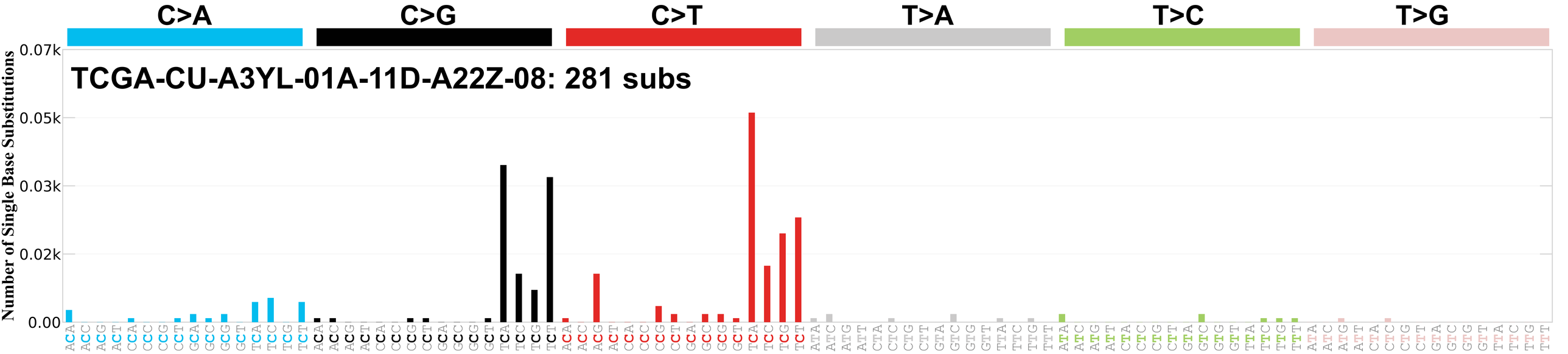

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A0YN-01A-21D-A10S-08: 202 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

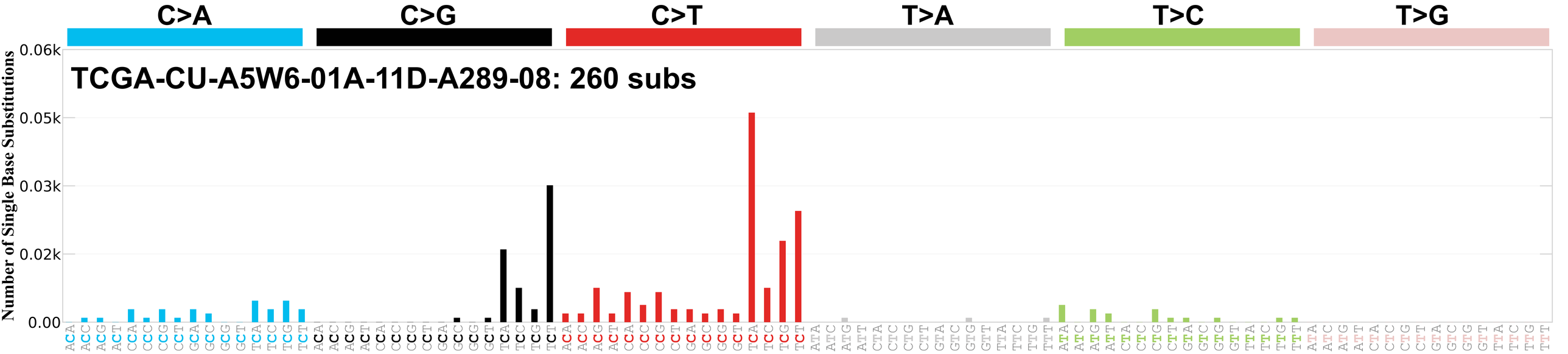

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A0YO-01A-11D-A10S-08: 114 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

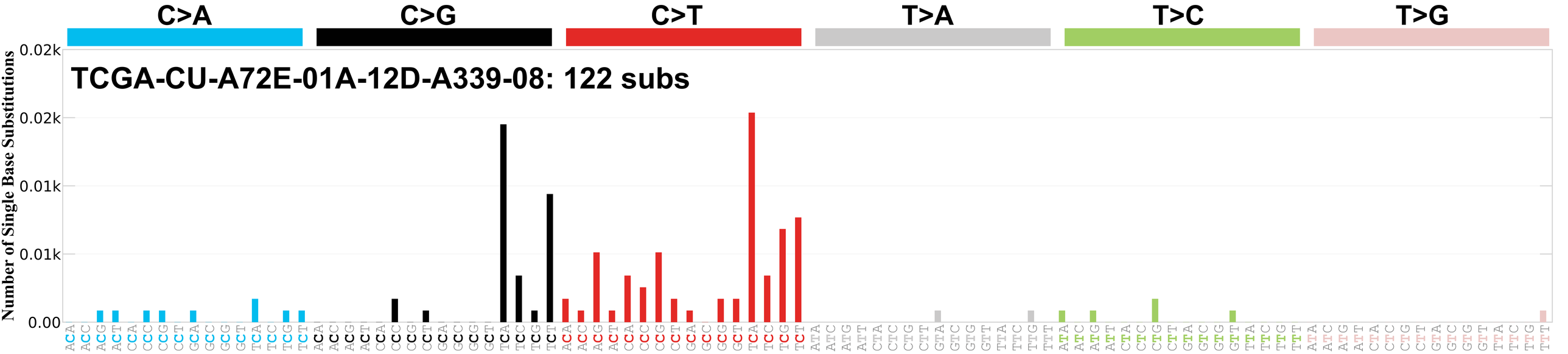

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A0YR-01A-12D-A10S-08: 176 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

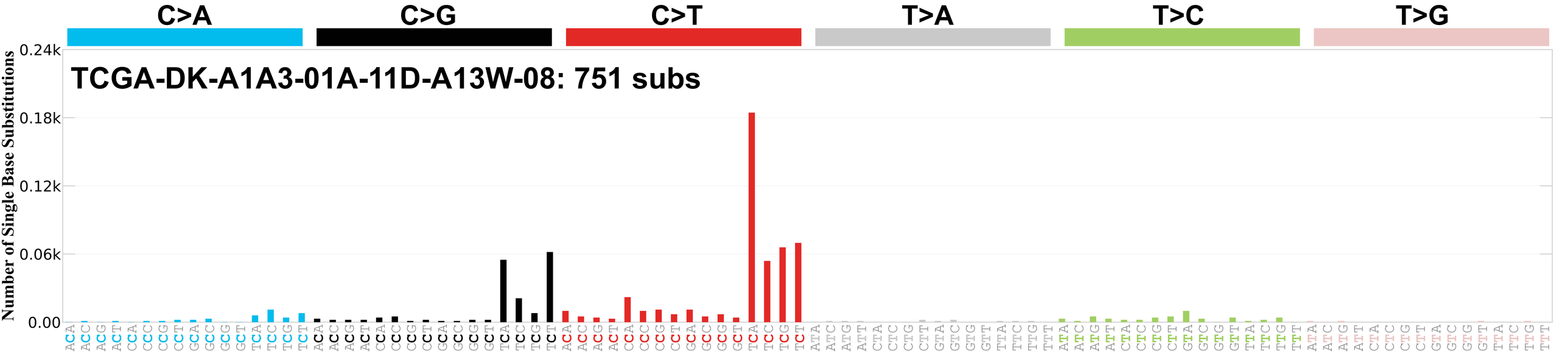

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A3KJ-01A-11D-A21A-08: 281 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00

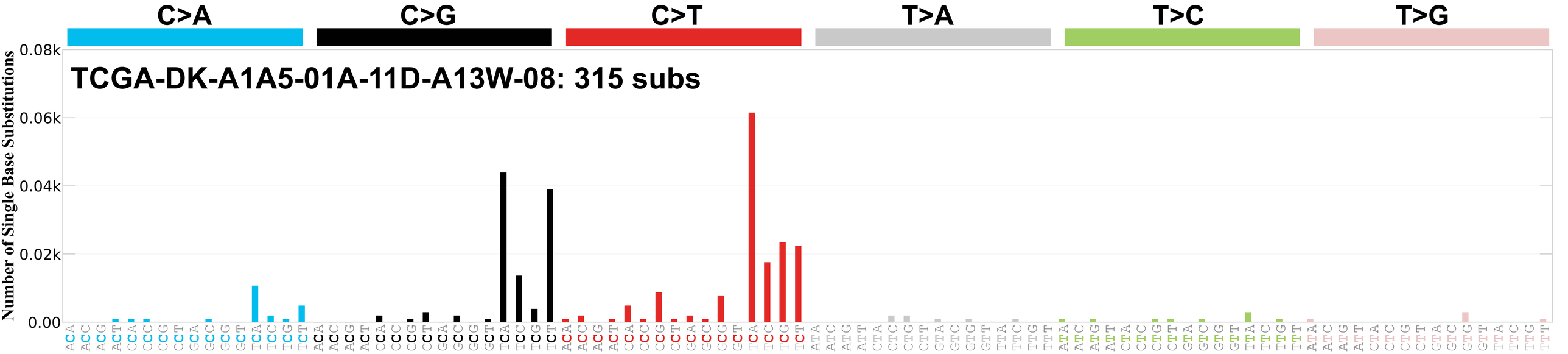

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A3QU-01A-11D-A22Z-08: 129 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

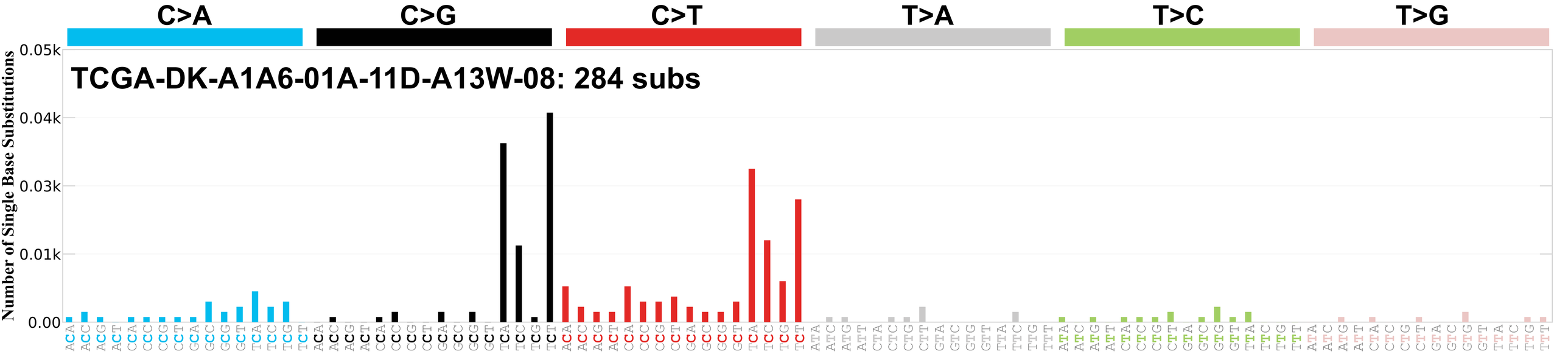

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A3YL-01A-11D-A22Z-08: 281 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

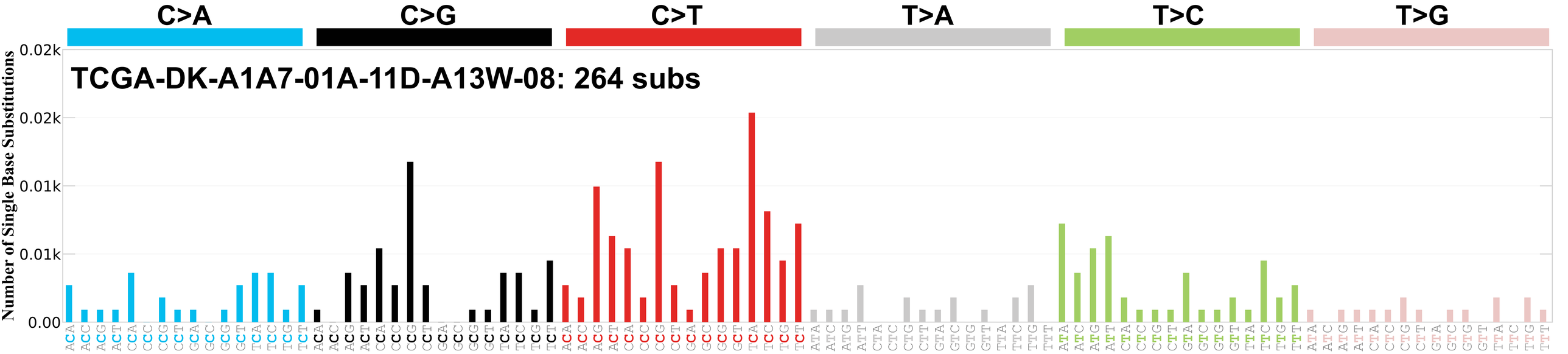

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A5W6-01A-11D-A289-08: 260 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

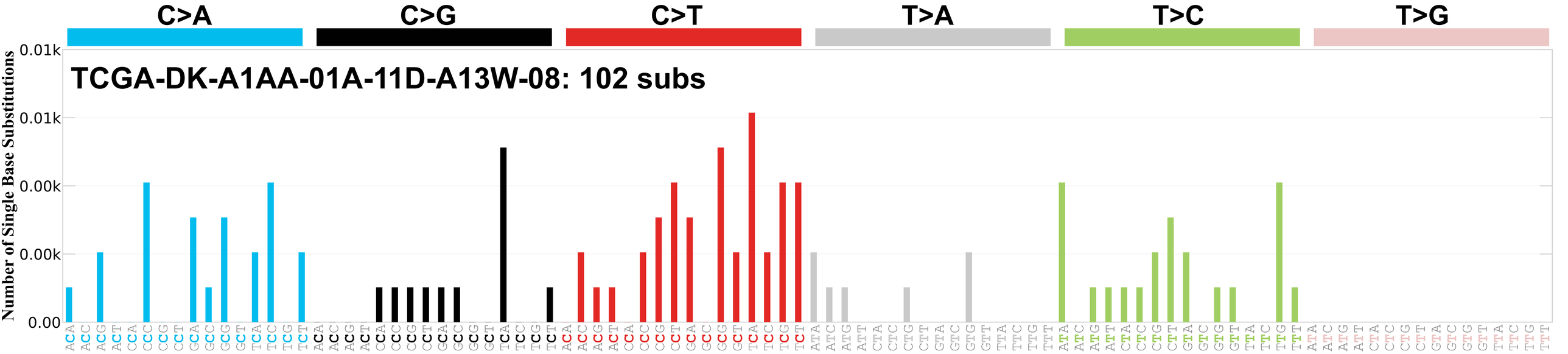

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-CU-A72E-01A-12D-A339-08: 122 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

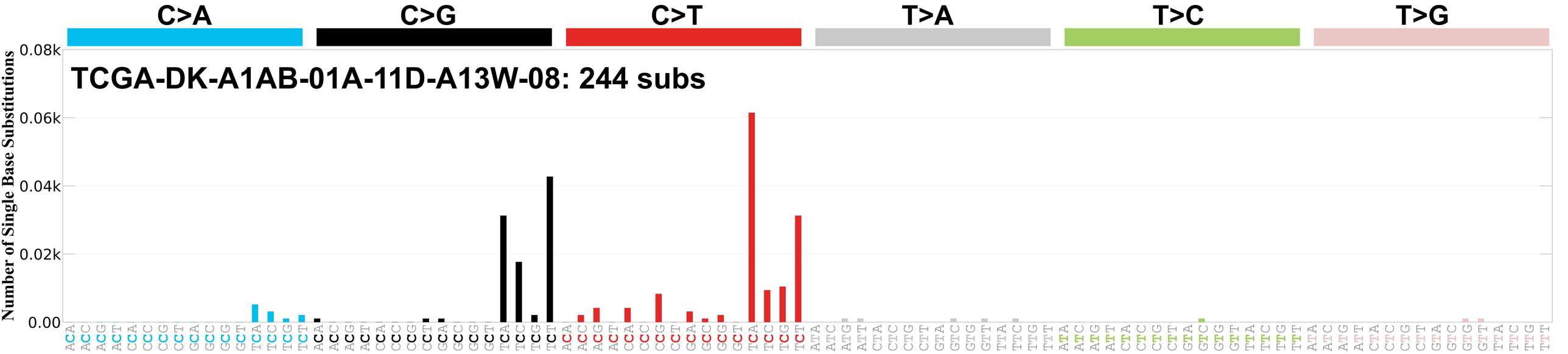

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1A3-01A-11D-A13W-08: 751 subs
Number of Single Base Substitutions
0.24k
0.18k
0.12k
0.06k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

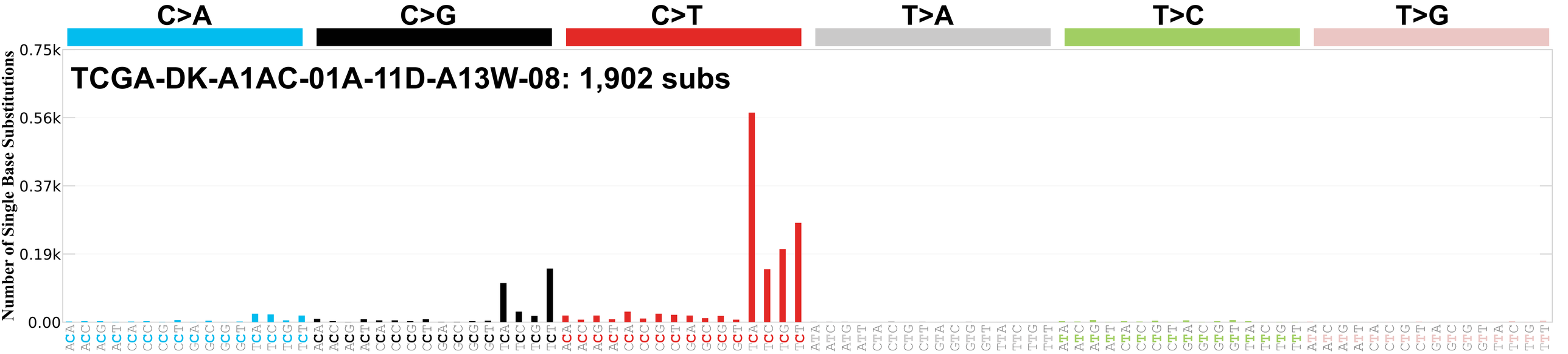

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1A5-01A-11D-A13W-08: 315 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

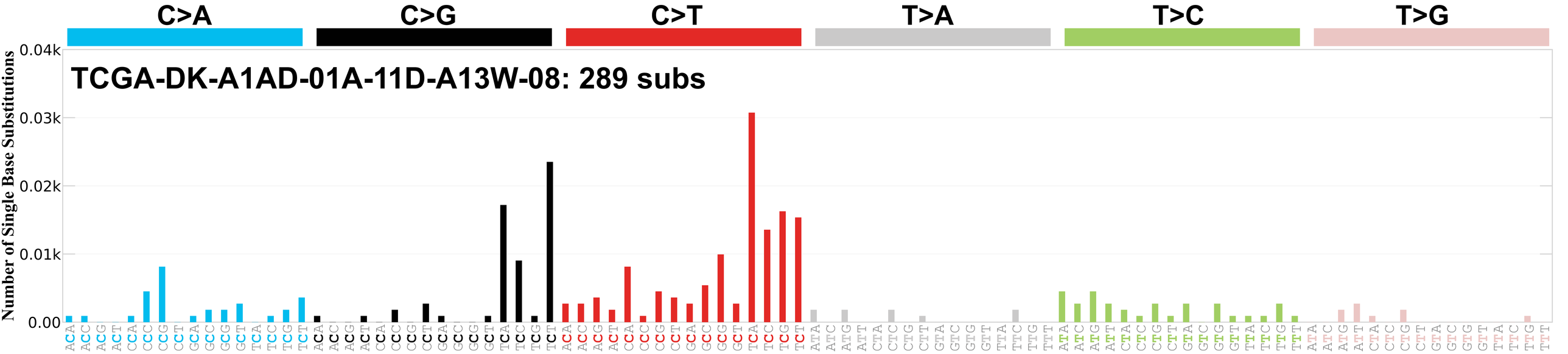

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1A6-01A-11D-A13W-08: 284 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

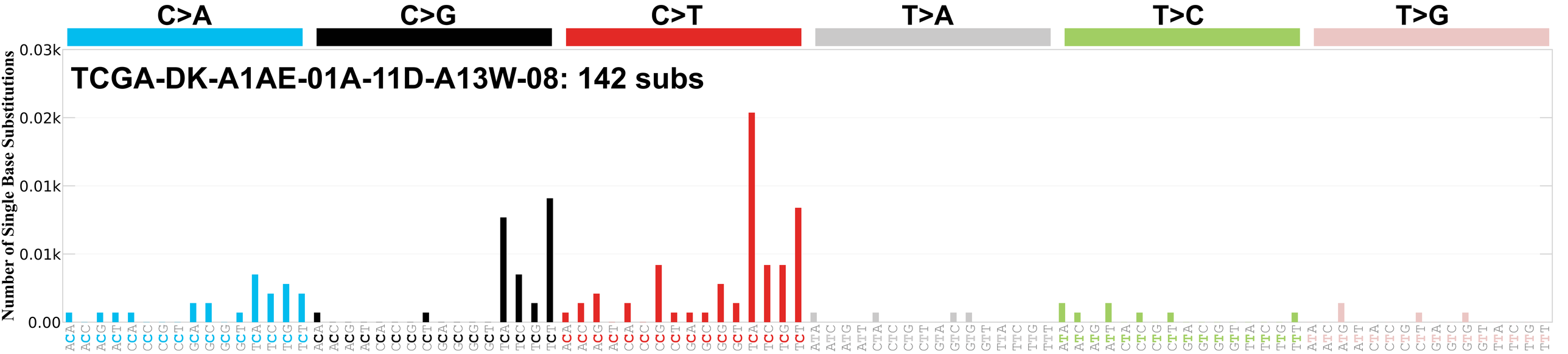

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1A7-01A-11D-A13W-08: 264 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

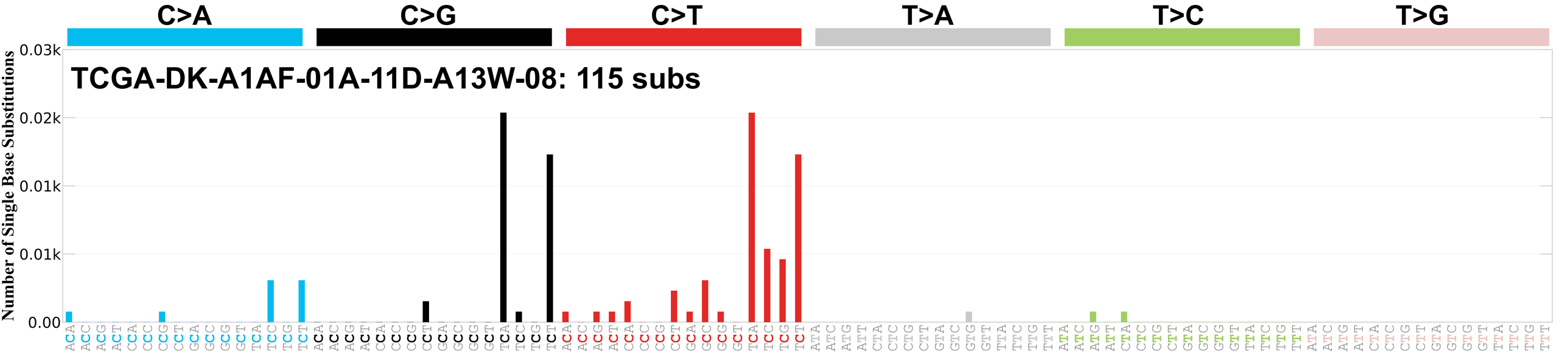

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AA-01A-11D-A13W-08: 102 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

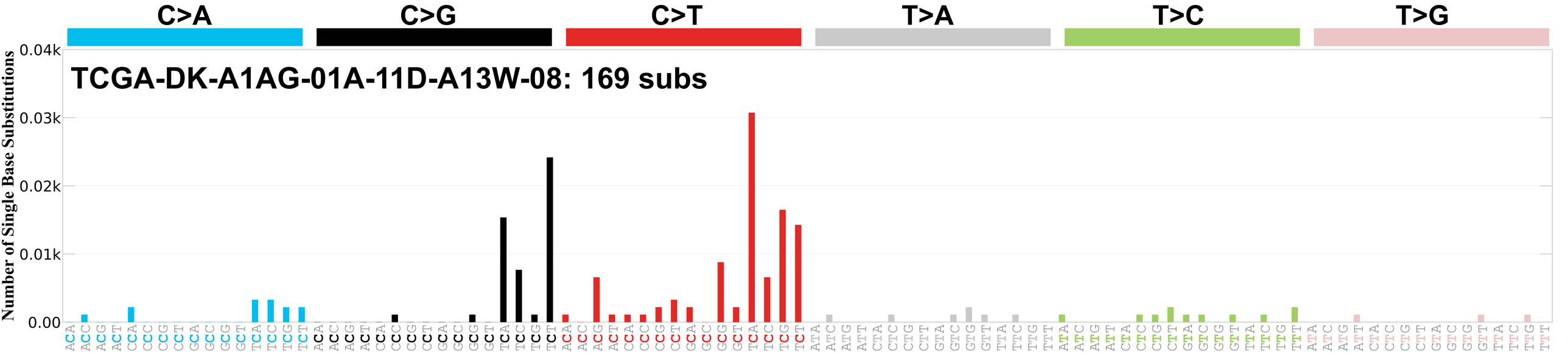

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AB-01A-11D-A13W-08: 244 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

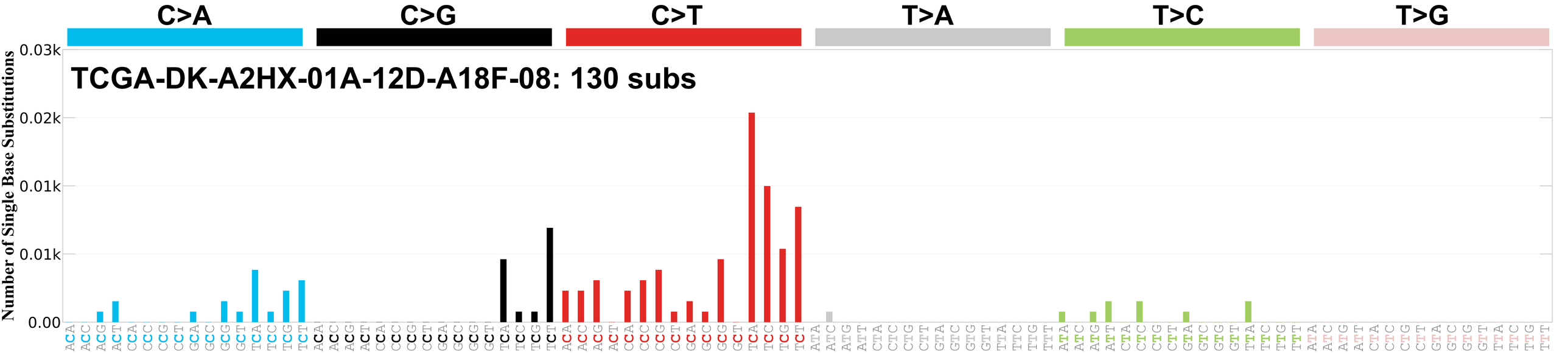

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AC-01A-11D-A13W-08: 1,902 subs
Number of Single Base Substitutions
0.75k
0.56k
0.37k
0.19k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

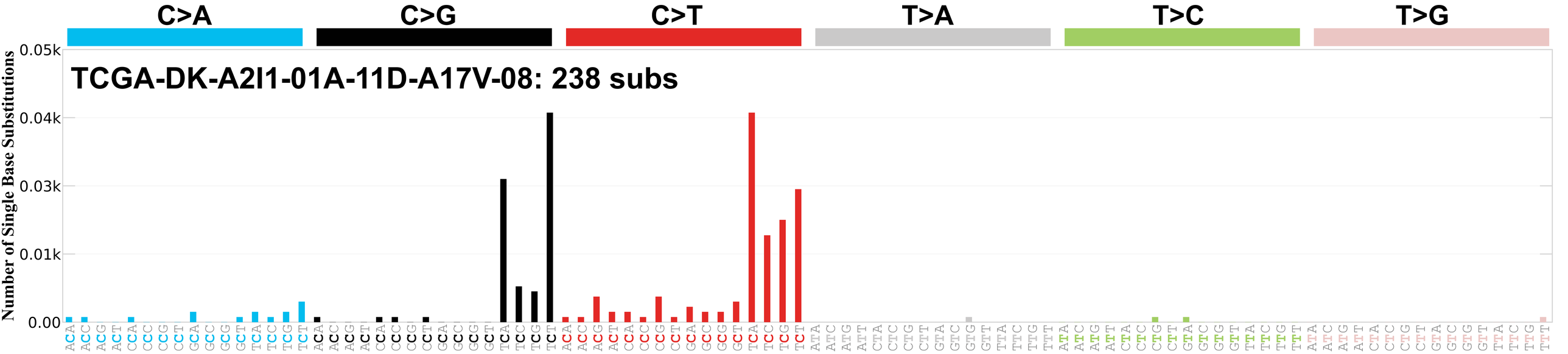

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AD-01A-11D-A13W-08: 289 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

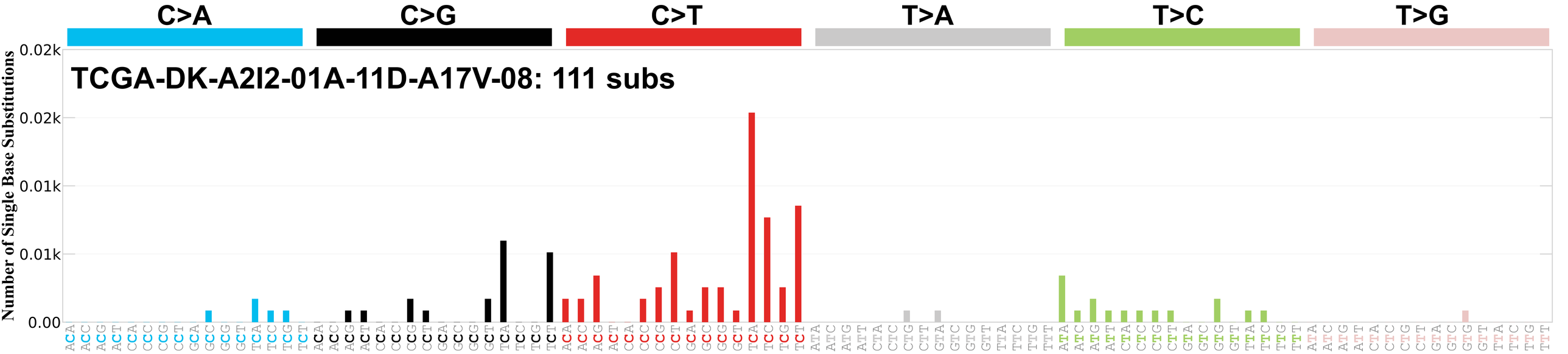

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AE-01A-11D-A13W-08: 142 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

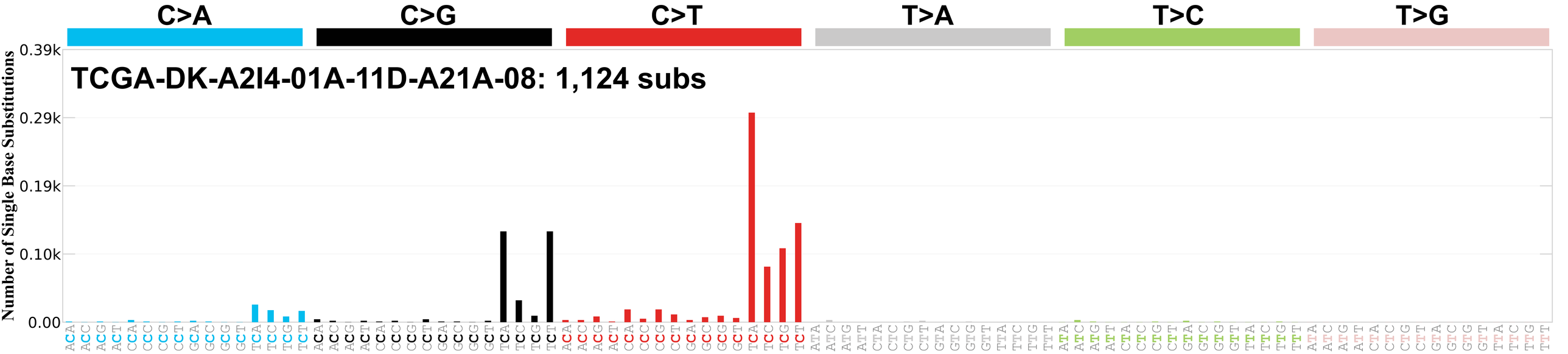

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AF-01A-11D-A13W-08: 115 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

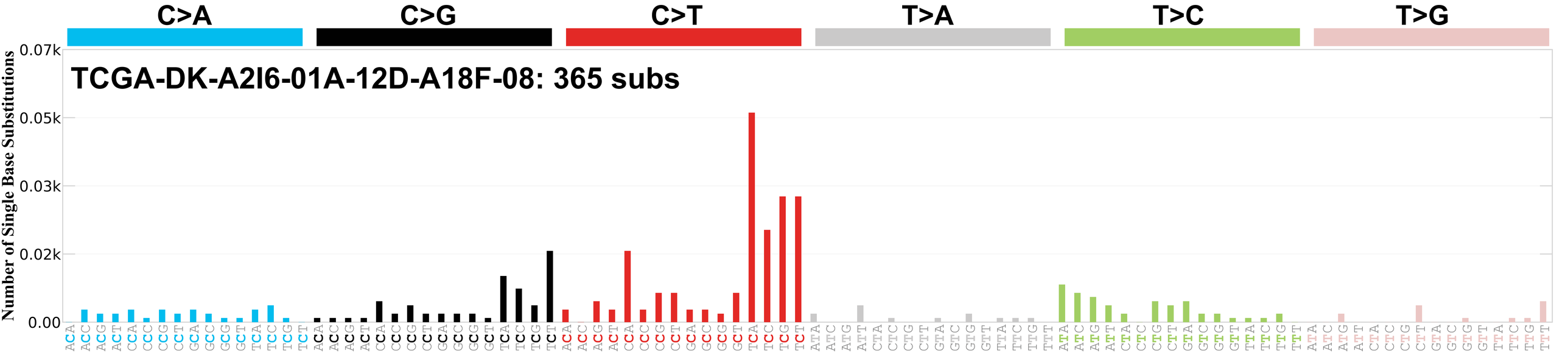

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A1AG-01A-11D-A13W-08: 169 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

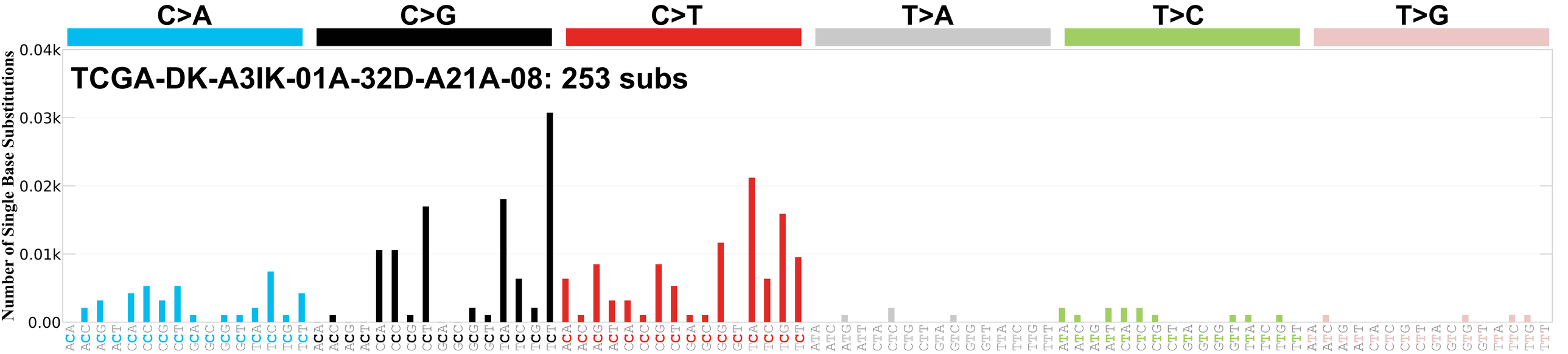

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A2HX-01A-12D-A18F-08: 130 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

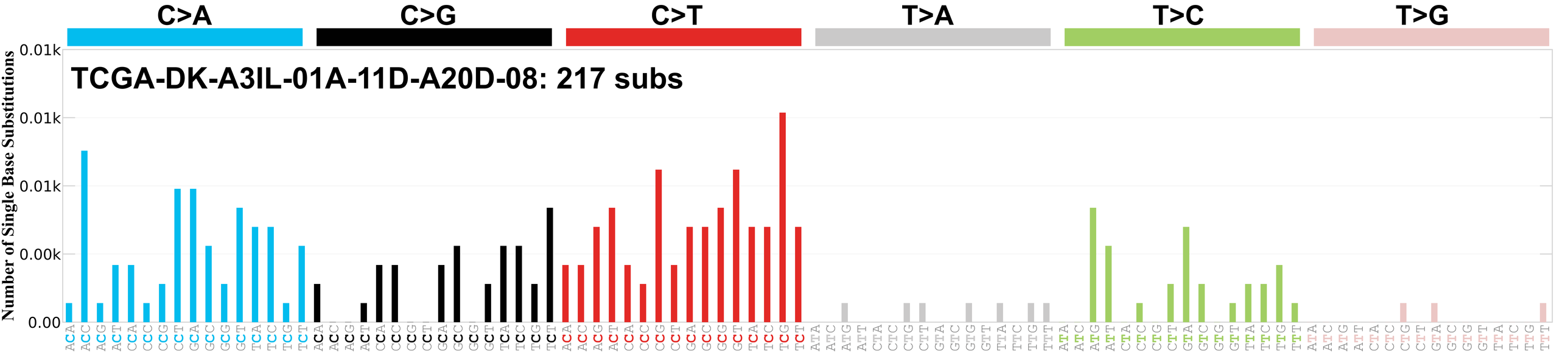

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A2I1-01A-11D-A17V-08: 238 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

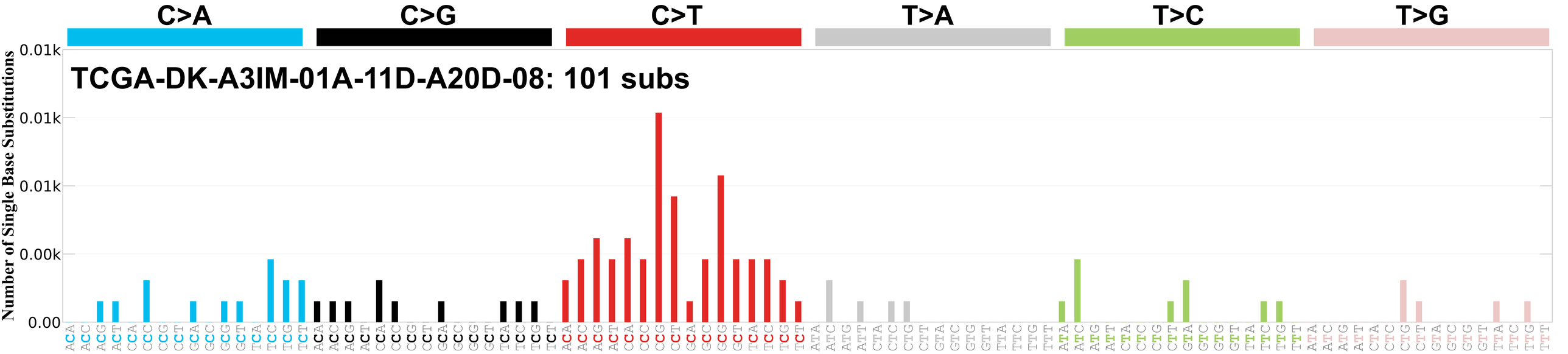

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A2I2-01A-11D-A17V-08: 111 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

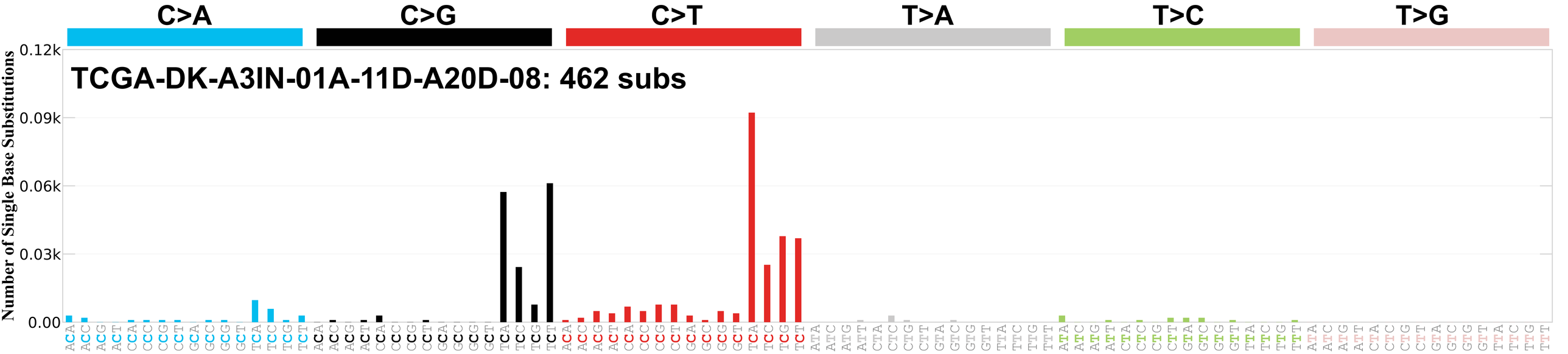

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A2I4-01A-11D-A21A-08: 1,124 subs
Number of Single Base Substitutions
0.39k
0.29k
0.19k
0.10k
0.00

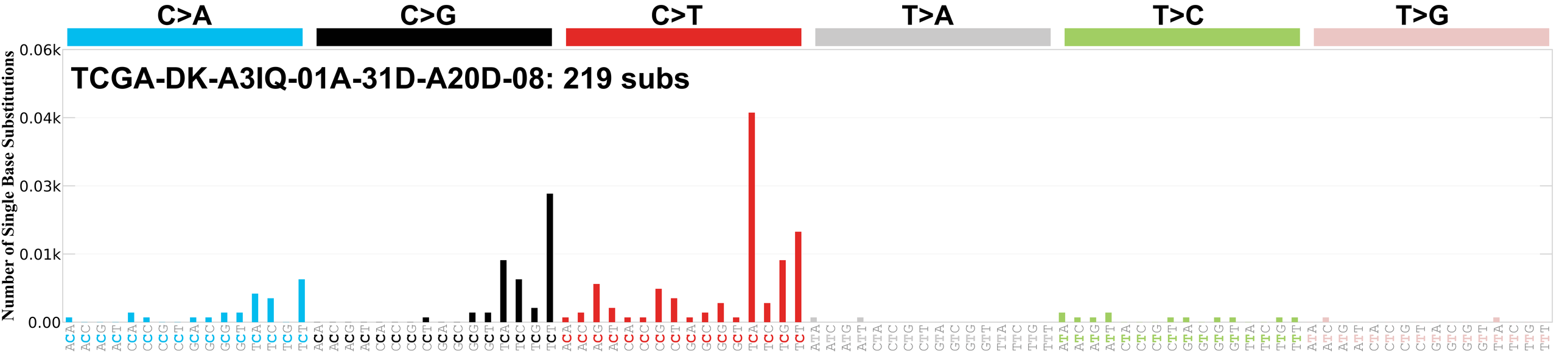

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A2I6-01A-12D-A18F-08: 365 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

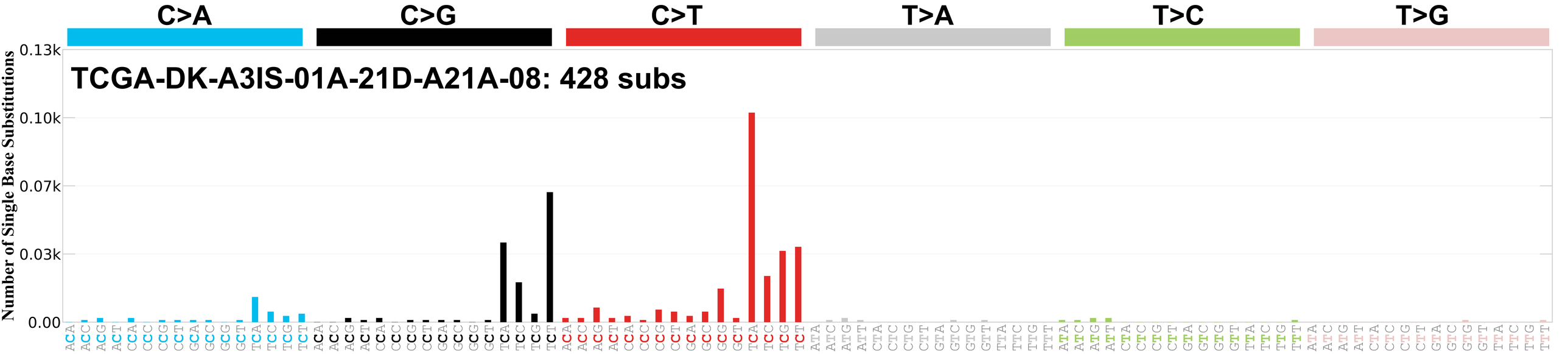

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IK-01A-32D-A21A-08: 253 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

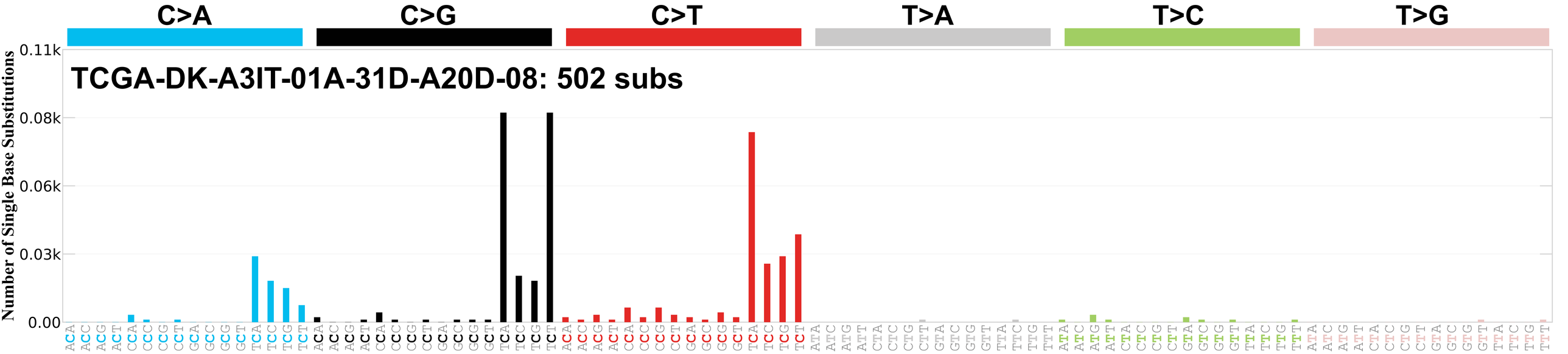

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IL-01A-11D-A20D-08: 217 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

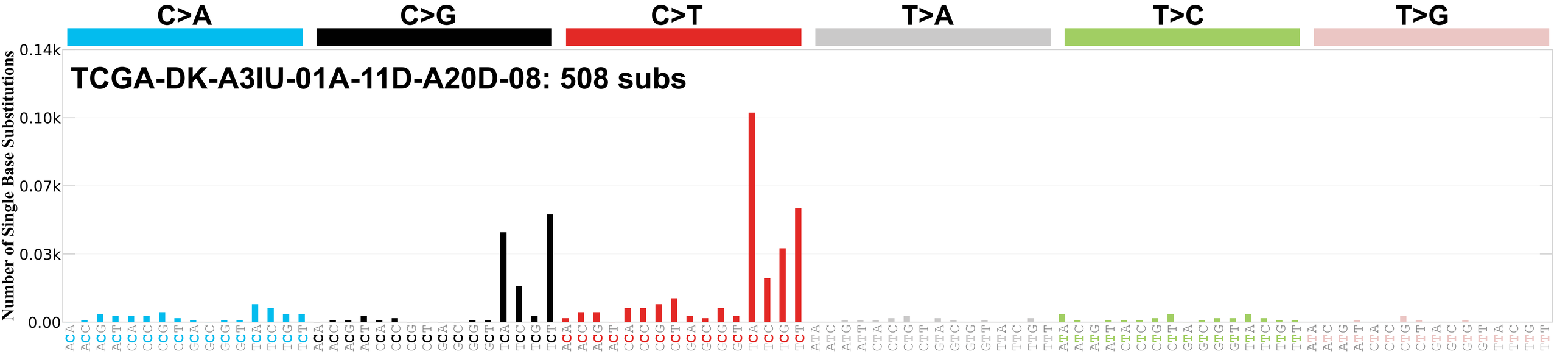

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IM-01A-11D-A20D-08: 101 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

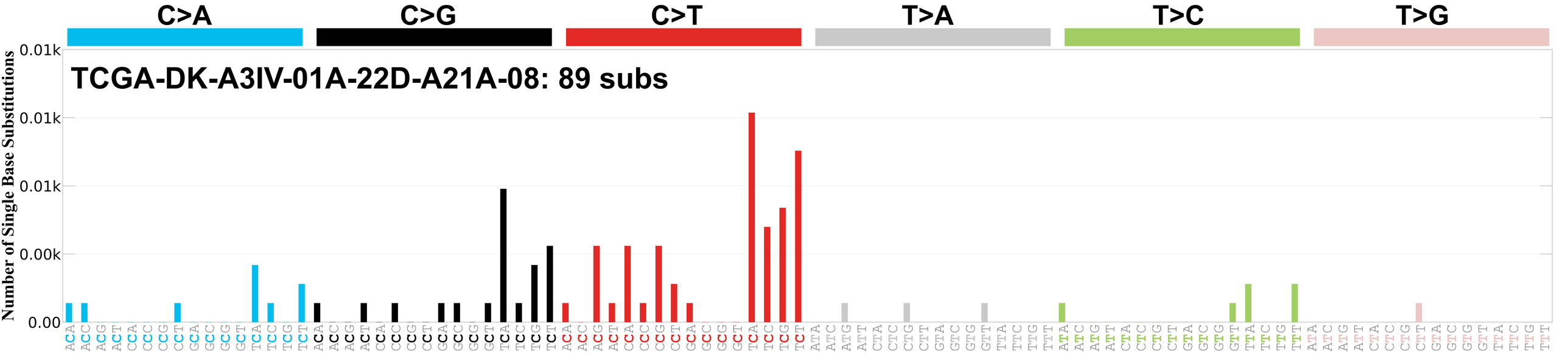

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IN-01A-11D-A20D-08: 462 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

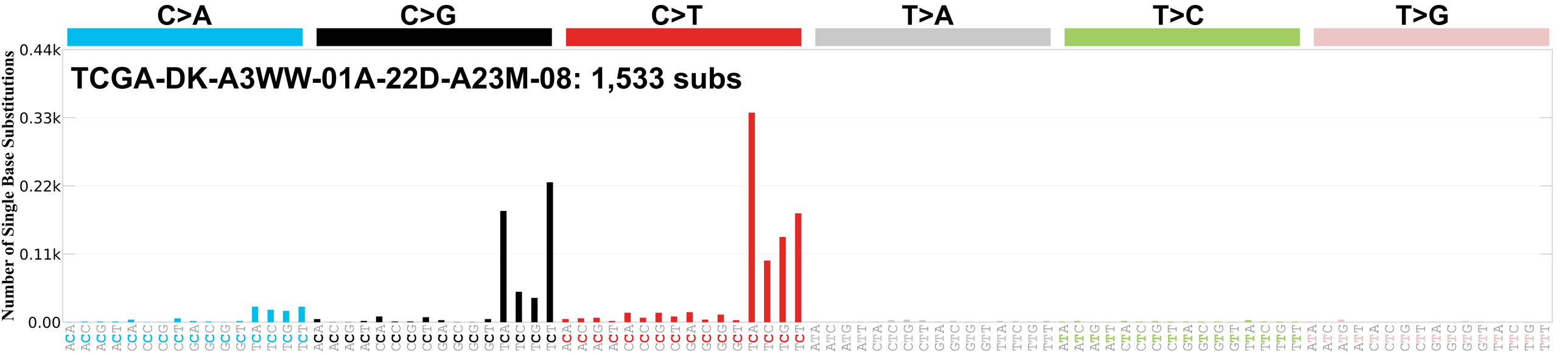

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IQ-01A-31D-A20D-08: 219 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

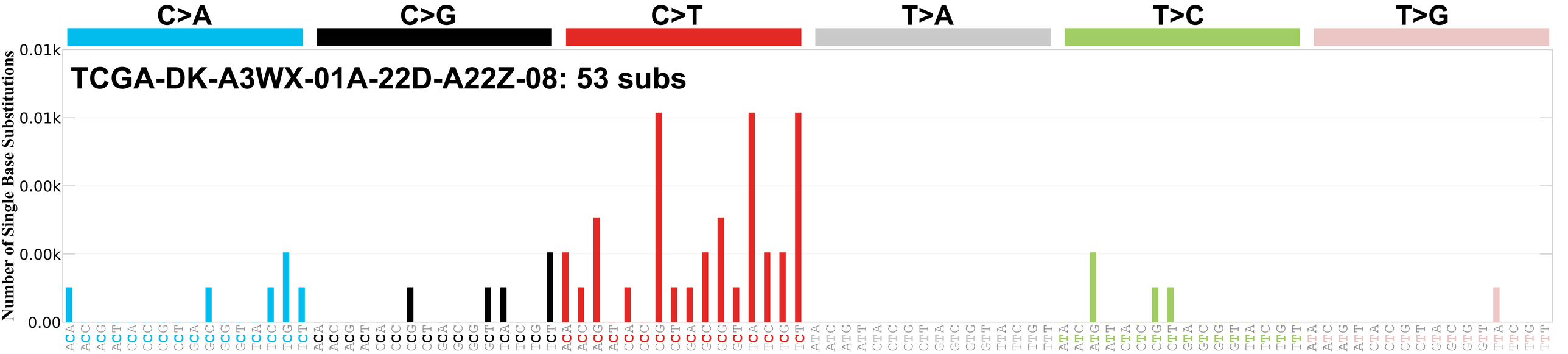

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IS-01A-21D-A21A-08: 428 subs
Number of Single Base Substitutions
0.13k
0.10k
0.07k
0.03k
0.00

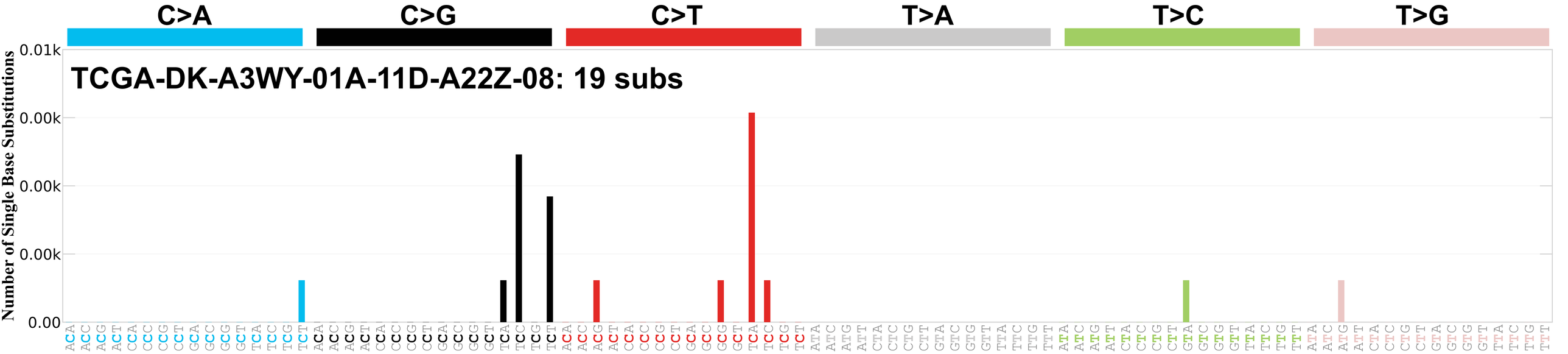

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IT-01A-31D-A20D-08: 502 subs
Number of Single Base Substitutions
0.11k
0.08k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

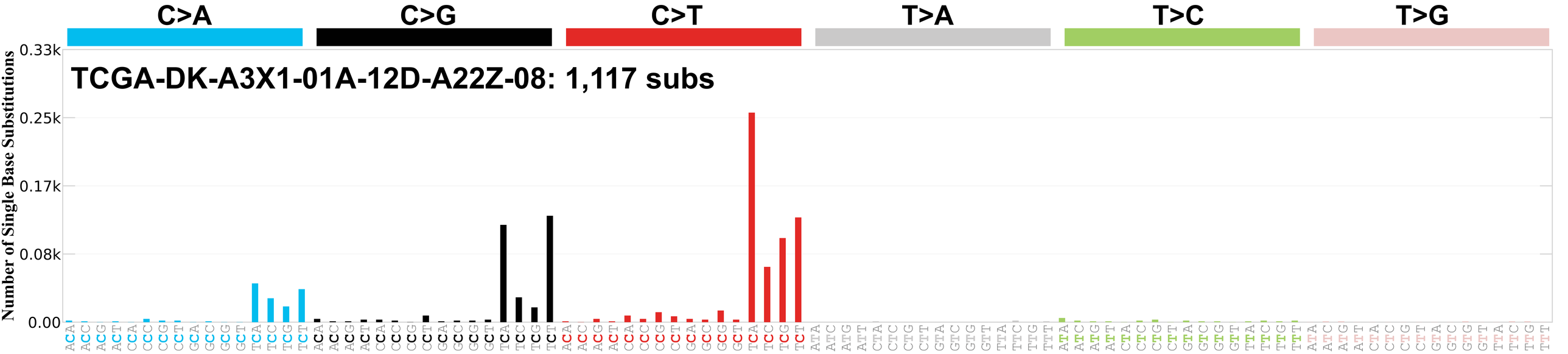

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IU-01A-11D-A20D-08: 508 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

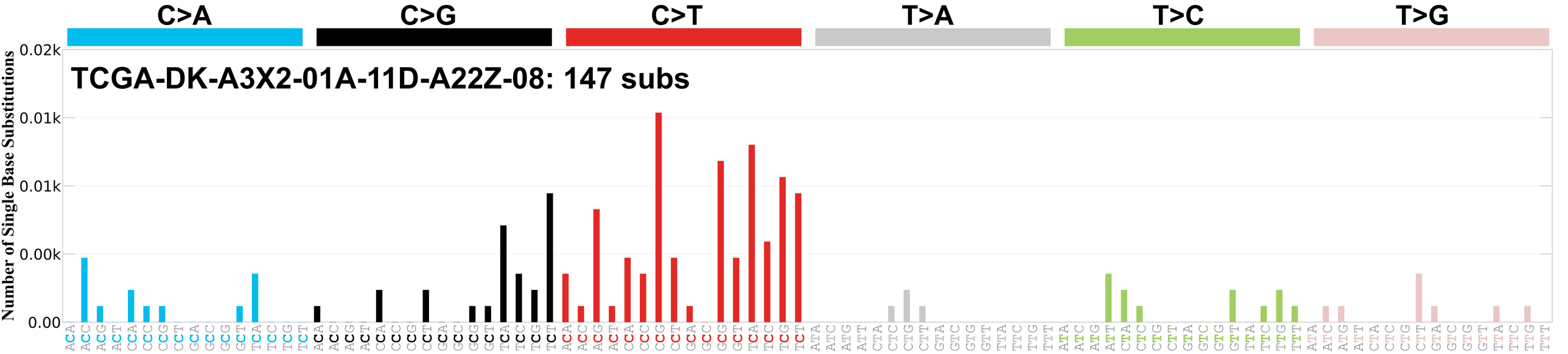

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3IV-01A-22D-A21A-08: 89 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

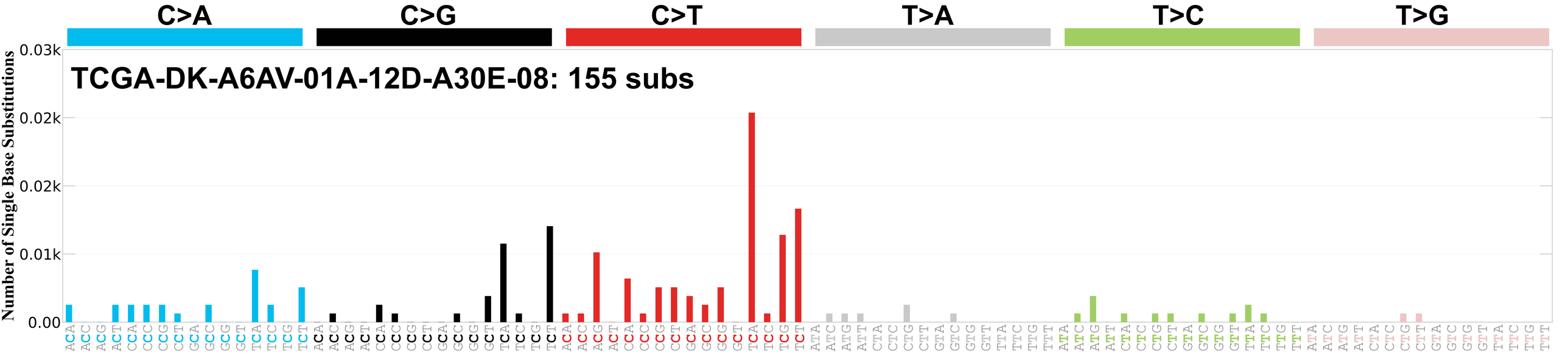

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3WW-01A-22D-A23M-08: 1,533 subs
Number of Single Base Substitutions
0.44k
0.33k
0.22k
0.11k
0.00

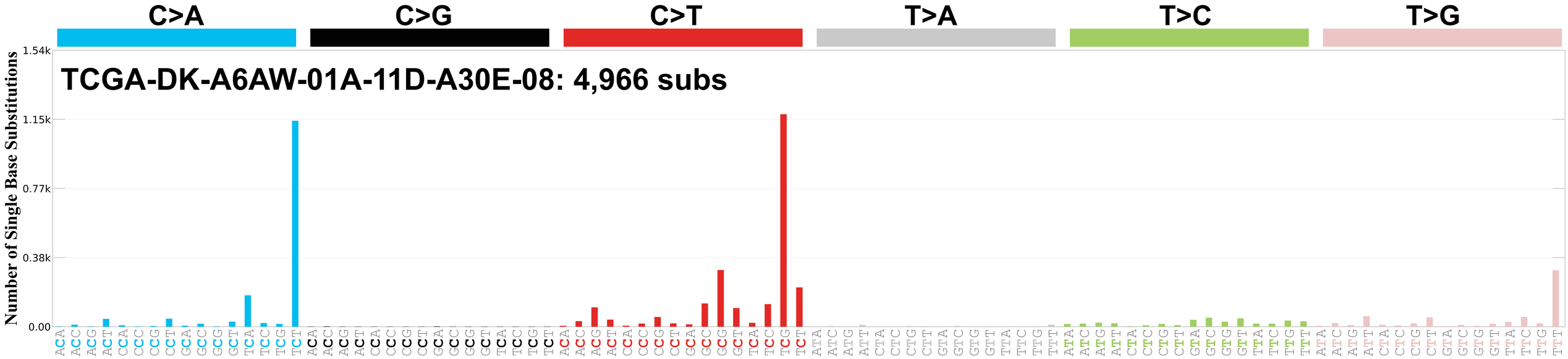

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3WX-01A-22D-A22Z-08: 53 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

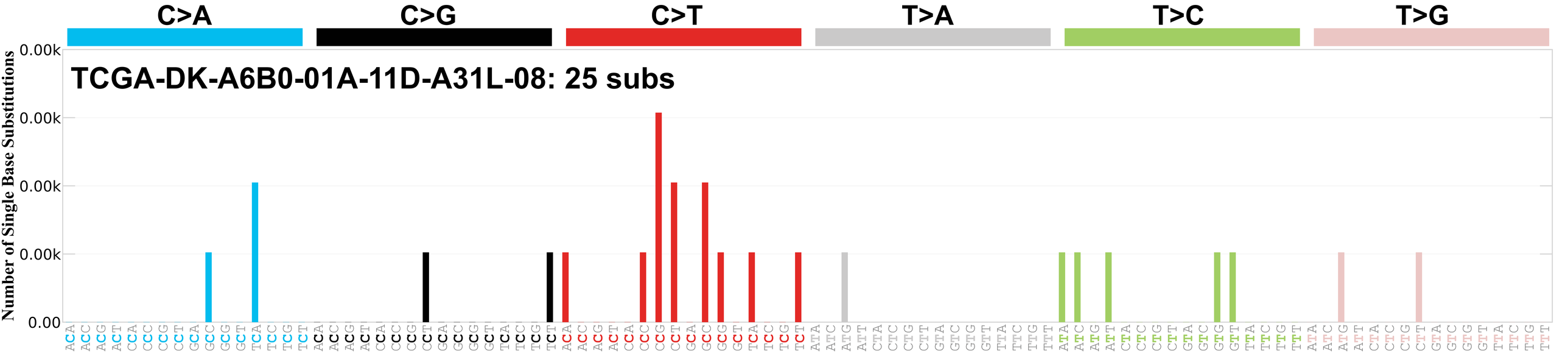

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3WY-01A-11D-A22Z-08: 19 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

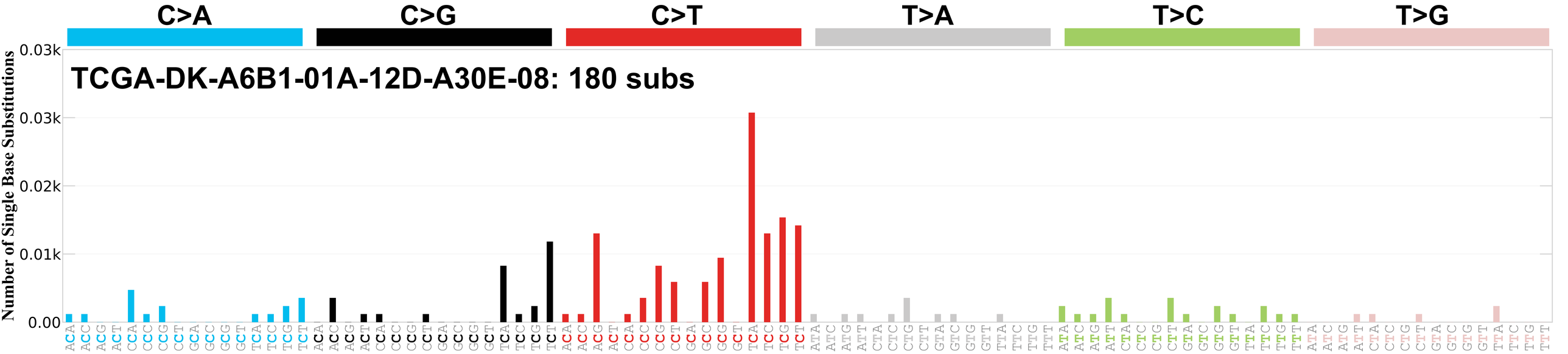

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3X1-01A-12D-A22Z-08: 1,117 subs
Number of Single Base Substitutions
0.33k
0.25k
0.17k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

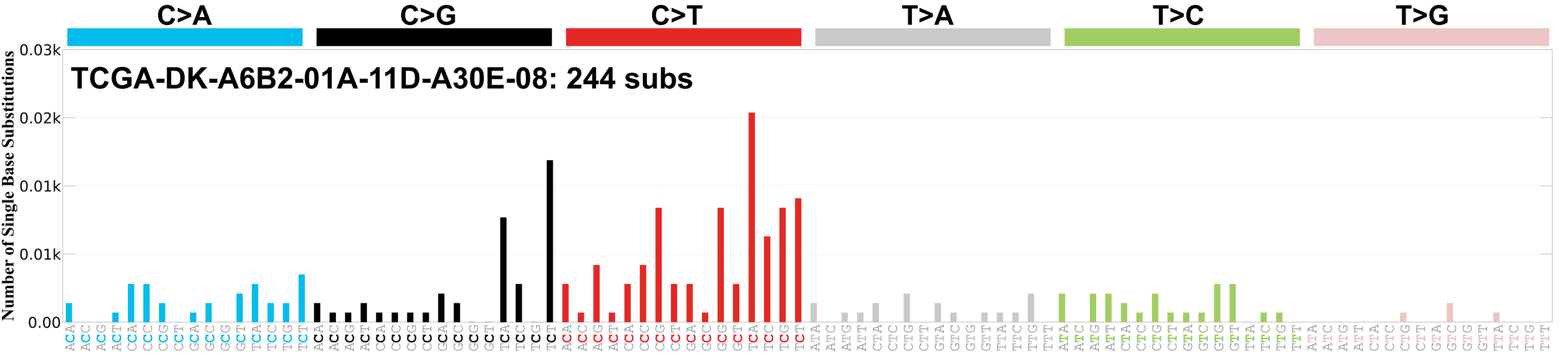

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A3X2-01A-11D-A22Z-08: 147 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

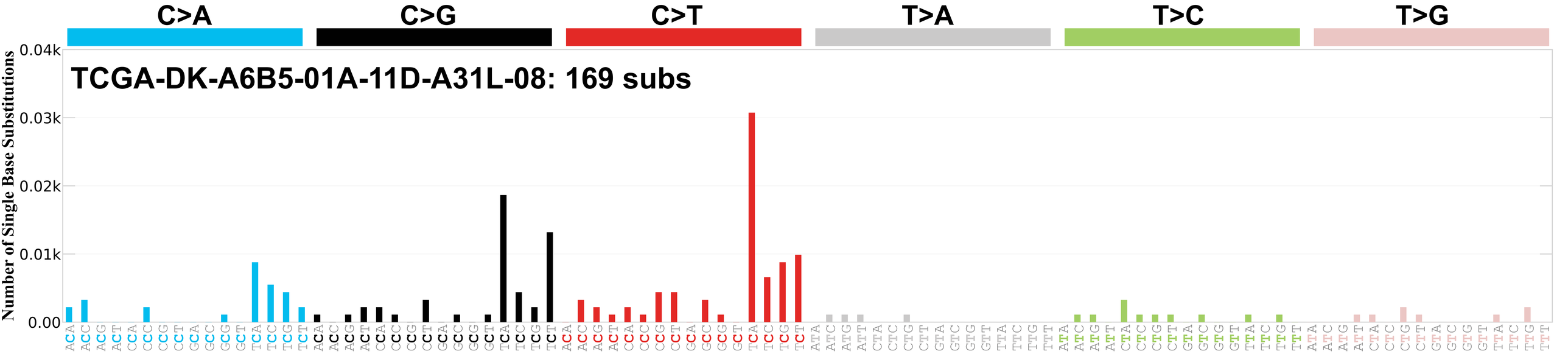

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6AV-01A-12D-A30E-08: 155 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

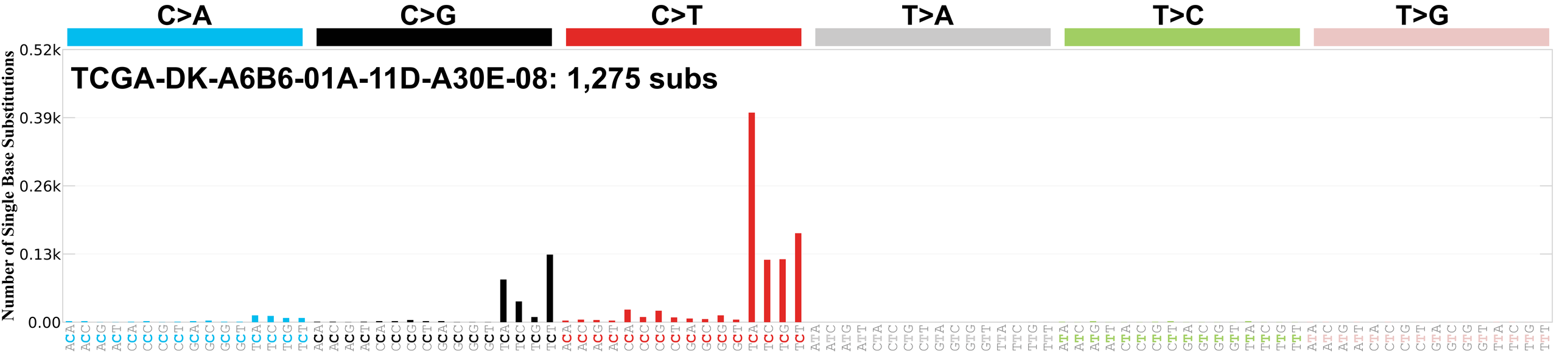

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6AW-01A-11D-A30E-08: 4,966 subs
Number of Single Base Substitutions
1.54k
1.15k
0.77k
0.38k
0.00

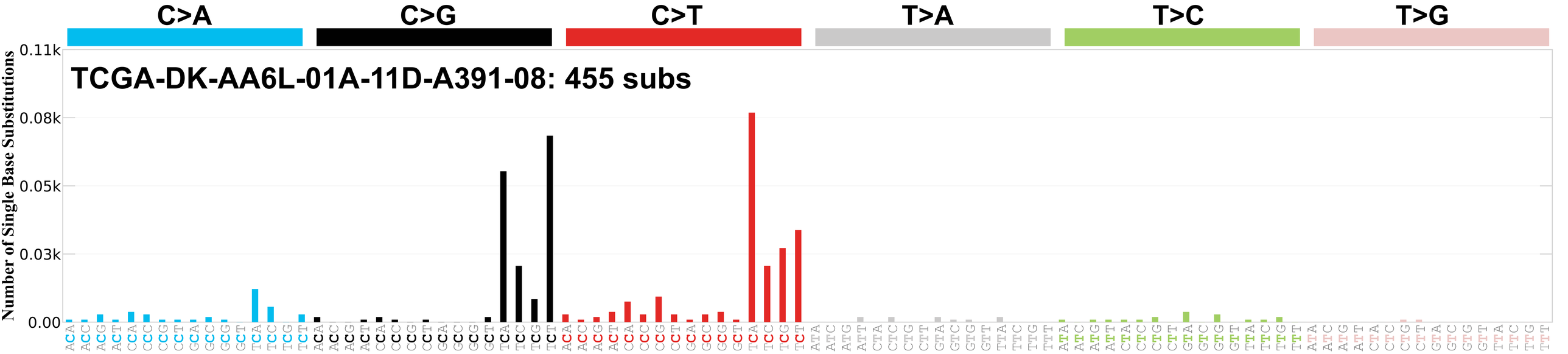

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6B0-01A-11D-A31L-08: 25 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

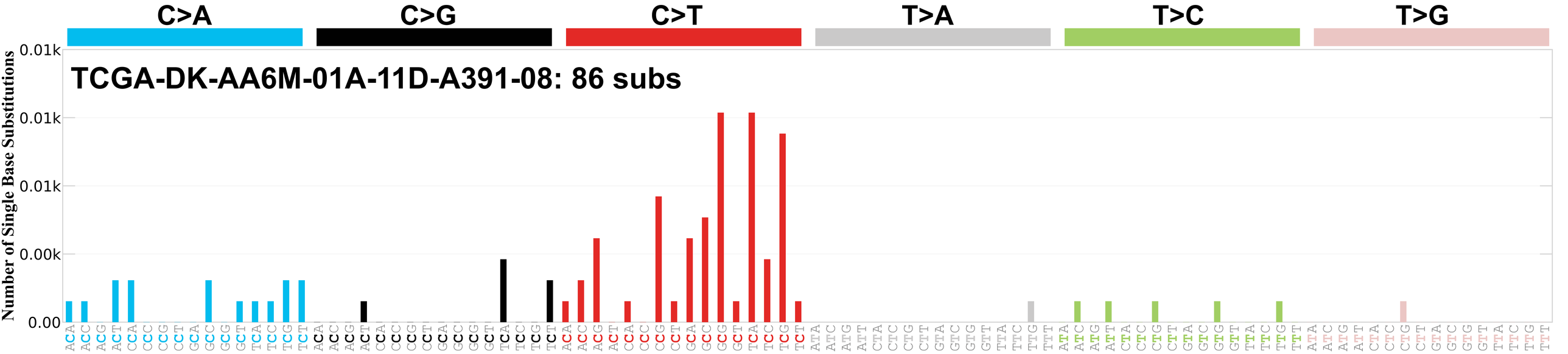

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6B1-01A-12D-A30E-08: 180 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

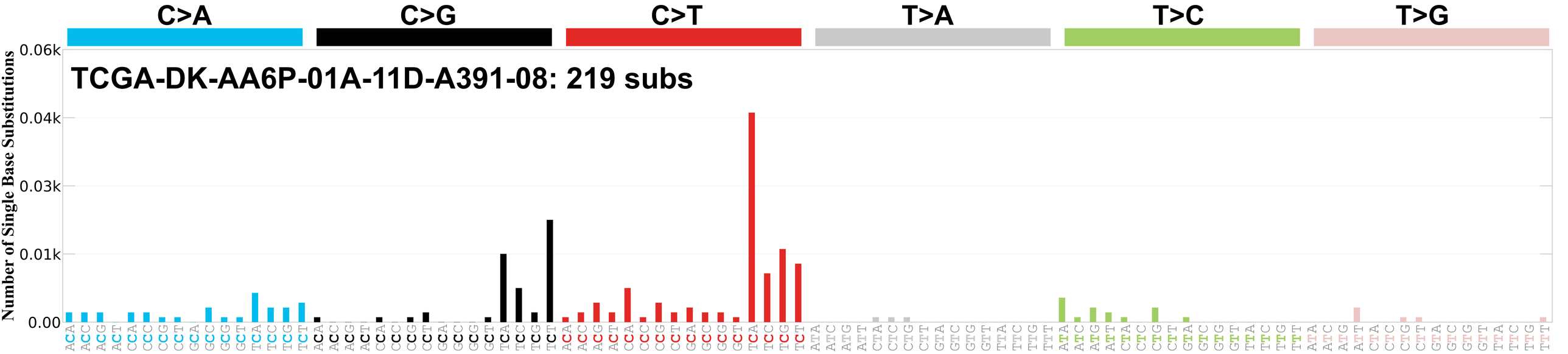

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6B2-01A-11D-A30E-08: 244 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

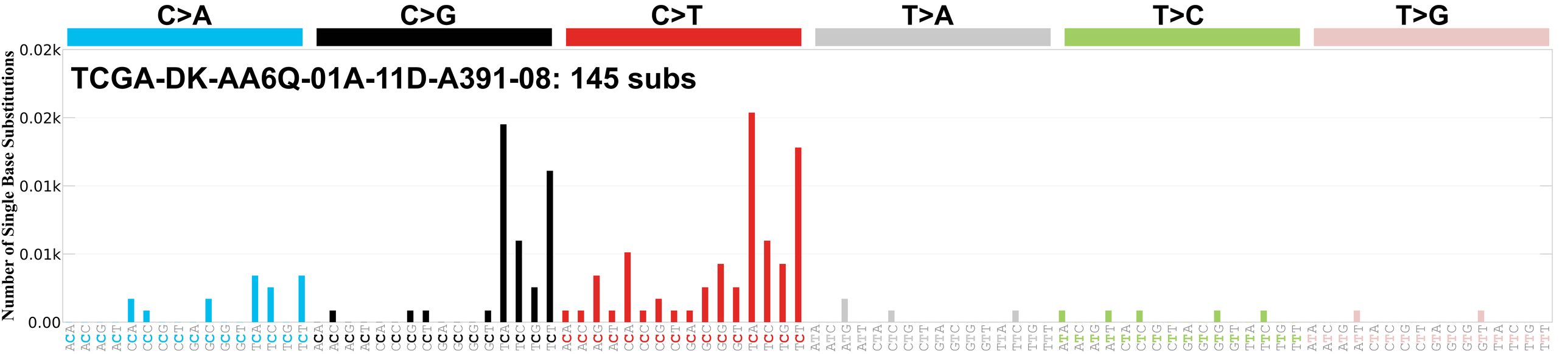

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6B5-01A-11D-A31L-08: 169 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

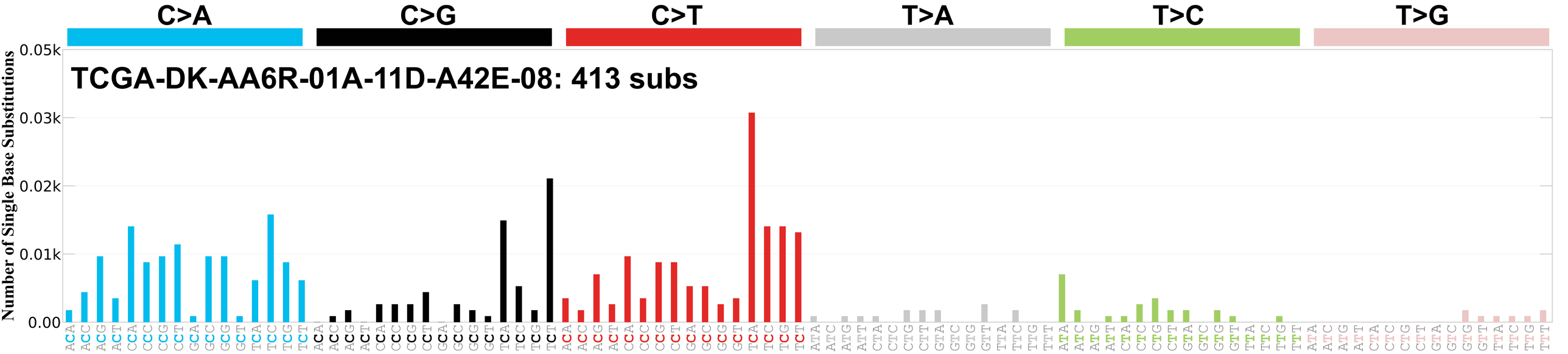

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-A6B6-01A-11D-A30E-08: 1,275 subs
Number of Single Base Substitutions
0.52k
0.39k
0.26k
0.13k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

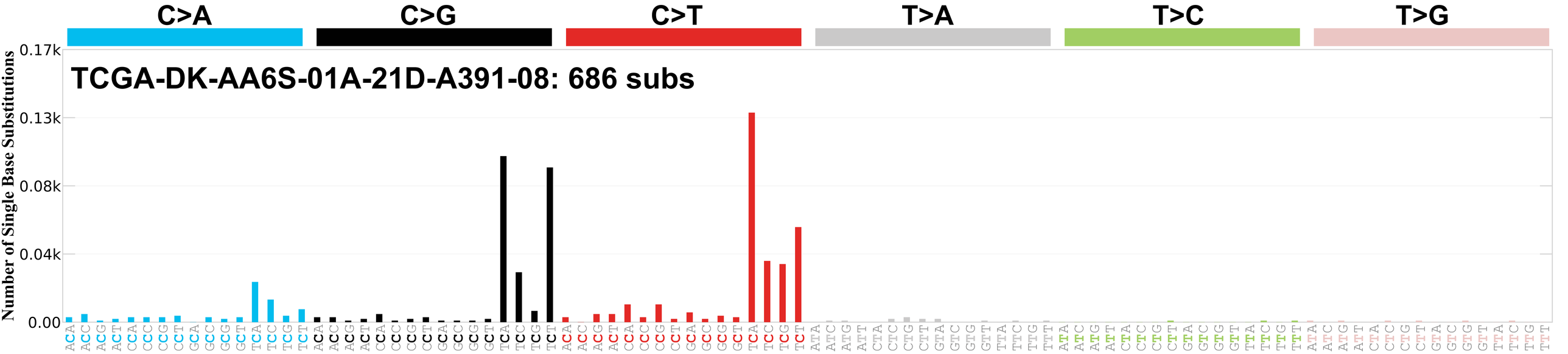

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6L-01A-11D-A391-08: 455 subs
Number of Single Base Substitutions
0.11k
0.08k
0.05k
0.03k
0.00

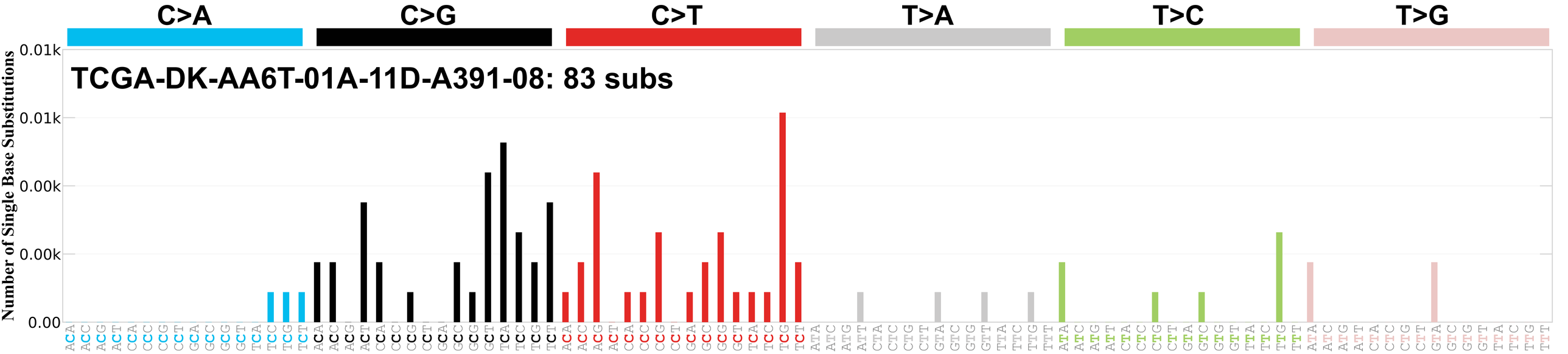

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6M-01A-11D-A391-08: 86 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

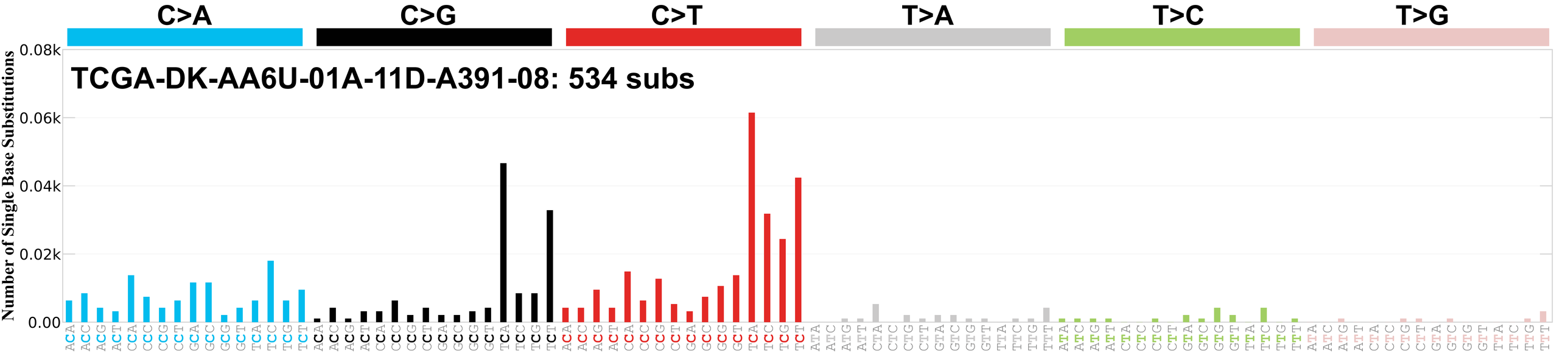

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6P-01A-11D-A391-08: 219 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

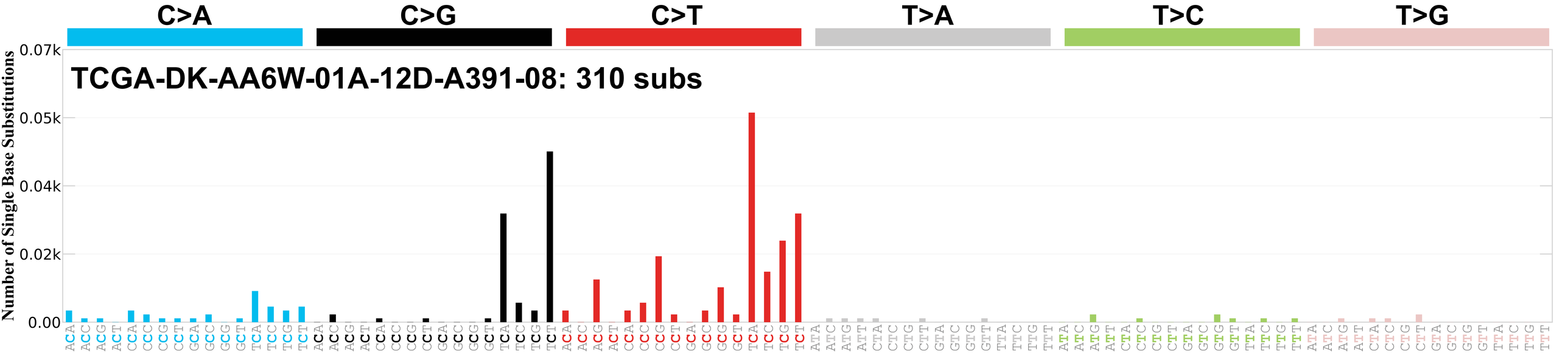

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6Q-01A-11D-A391-08: 145 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

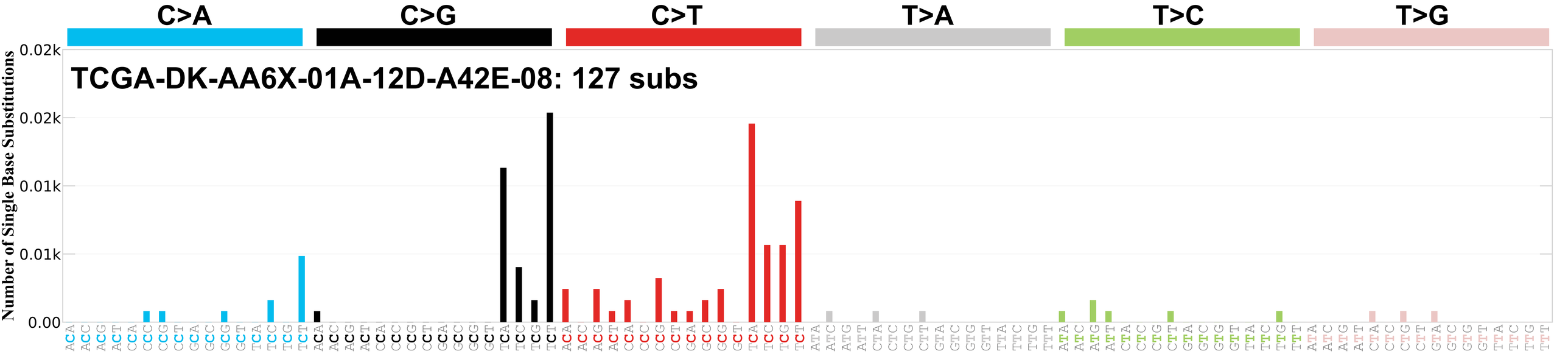

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6R-01A-11D-A42E-08: 413 subs
Number of Single Base Substitutions
0.05k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

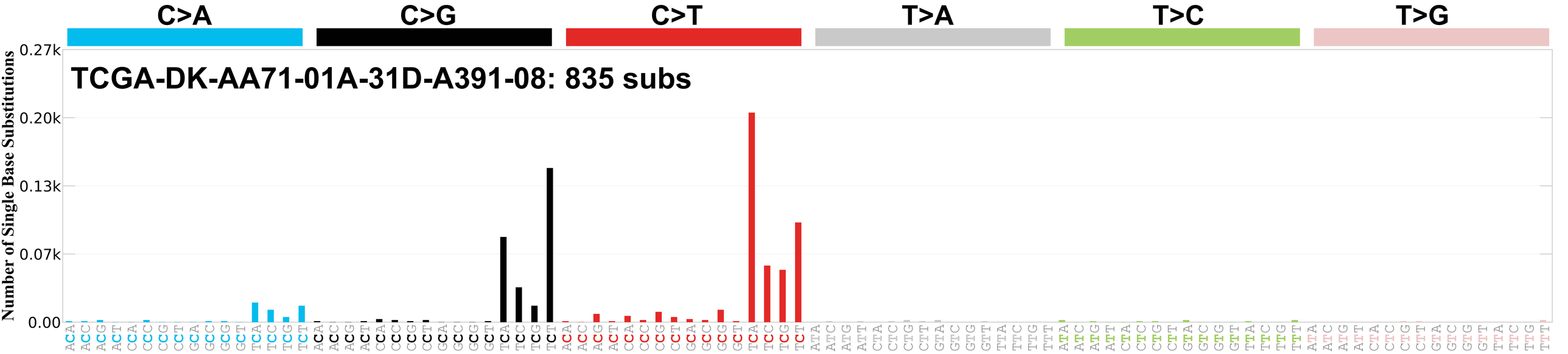

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6S-01A-21D-A391-08: 686 subs
Number of Single Base Substitutions
0.17k
0.13k
0.08k
0.04k
0.00

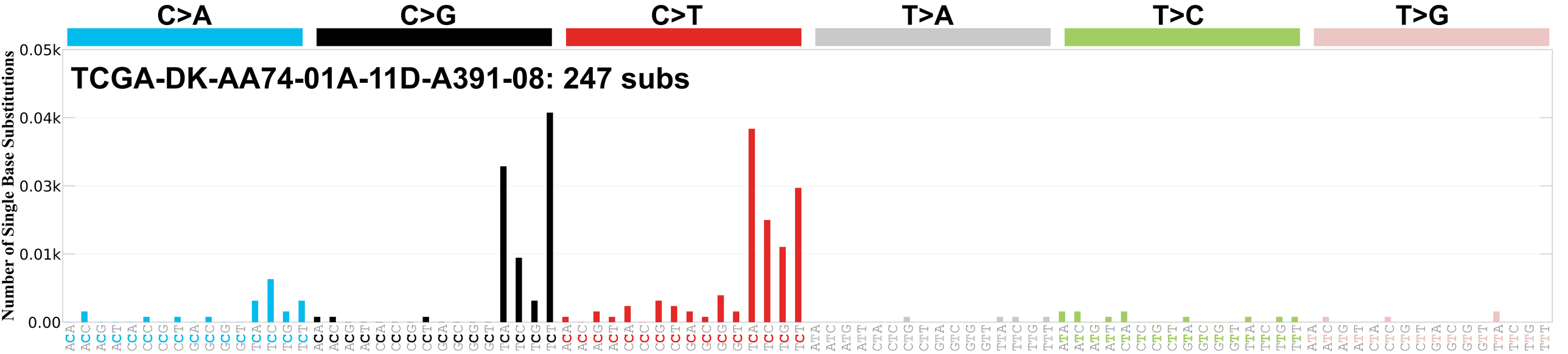

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6T-01A-11D-A391-08: 83 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

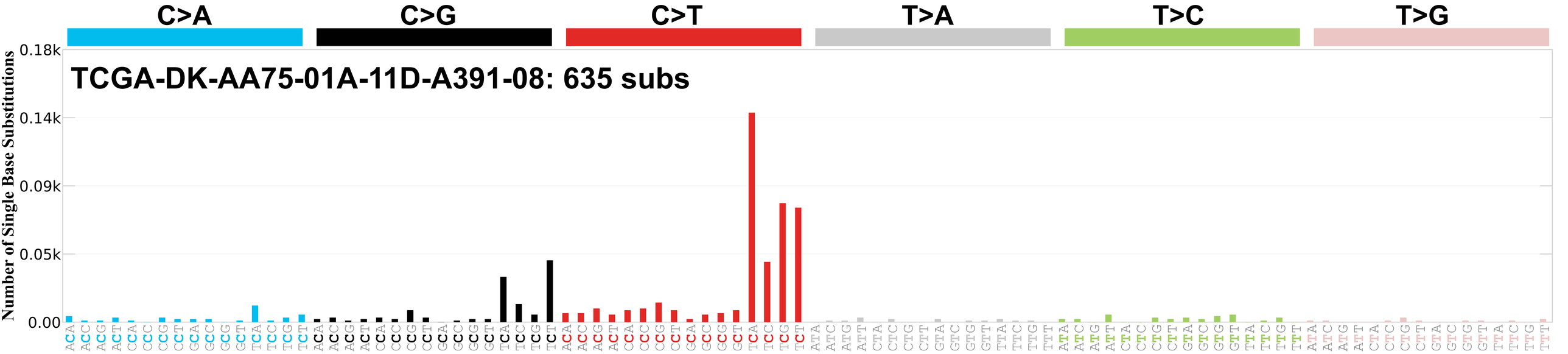

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6U-01A-11D-A391-08: 534 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

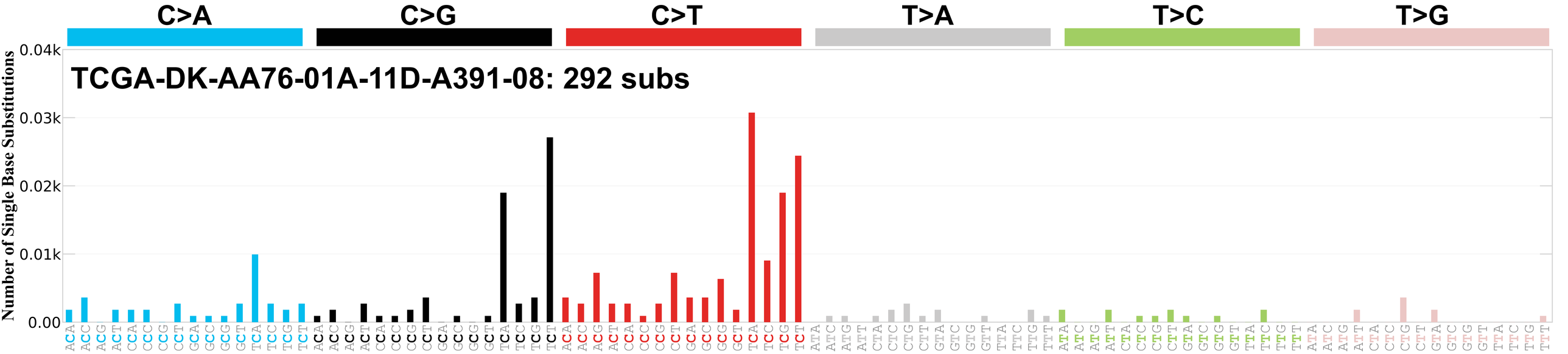

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6W-01A-12D-A391-08: 310 subs
Number of Single Base Substitutions
0.07k
0.05k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

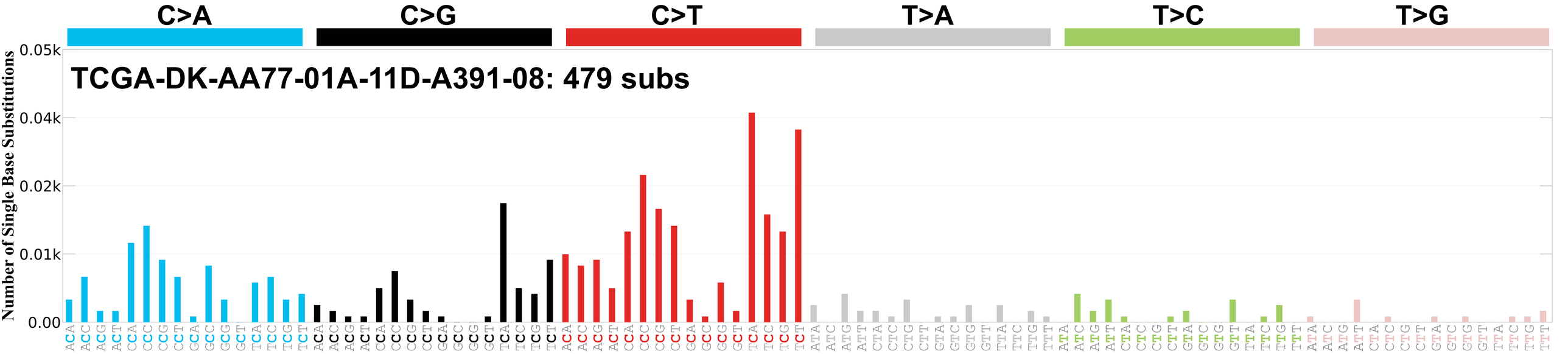

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA6X-01A-12D-A42E-08: 127 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

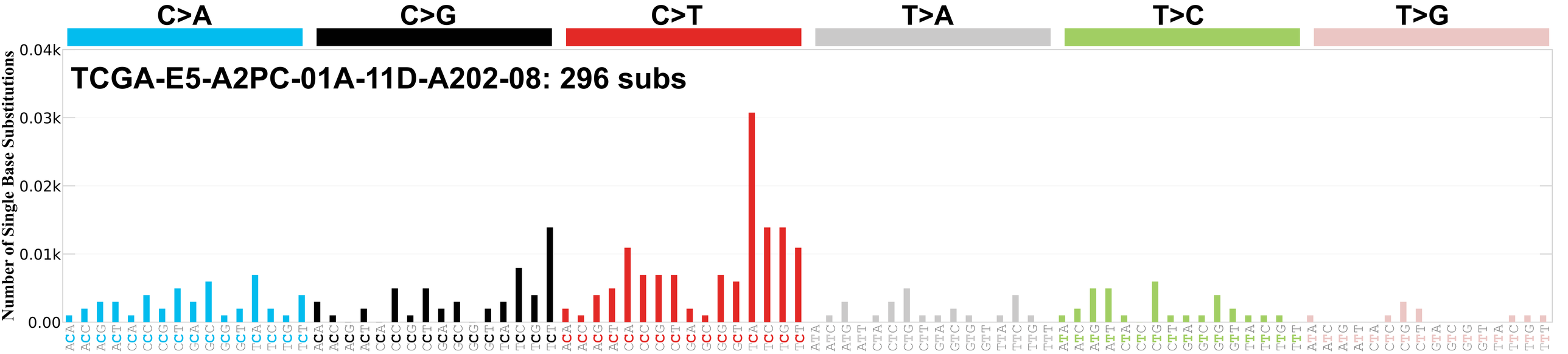

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA71-01A-31D-A391-08: 835 subs
Number of Single Base Substitutions
0.27k
0.20k
0.13k
0.07k
0.00

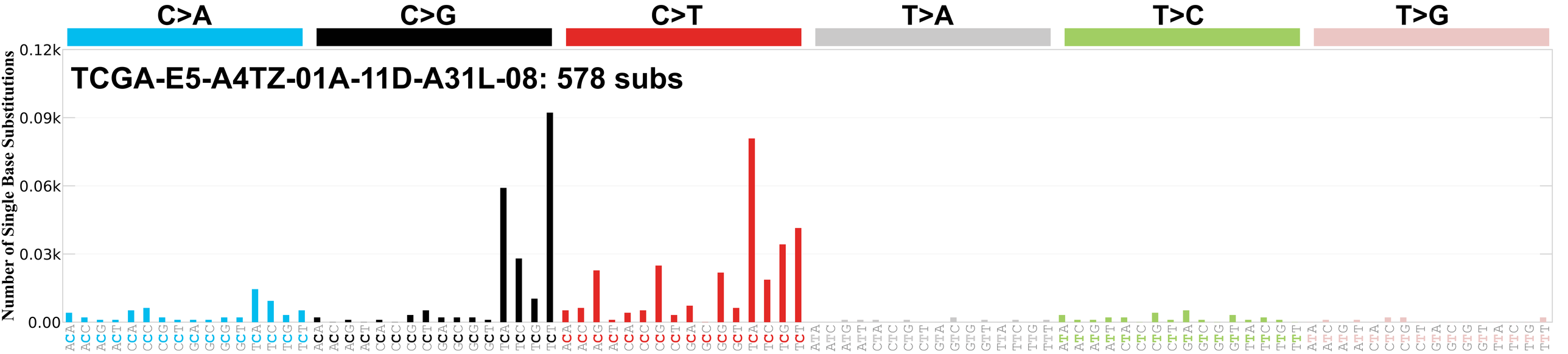

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA74-01A-11D-A391-08: 247 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

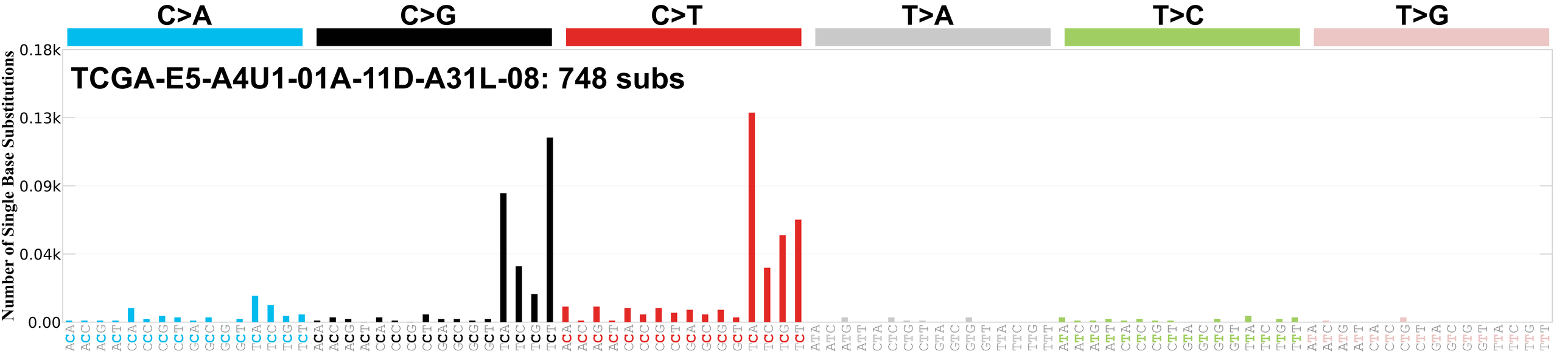

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA75-01A-11D-A391-08: 635 subs
Number of Single Base Substitutions
0.18k
0.14k
0.09k
0.05k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

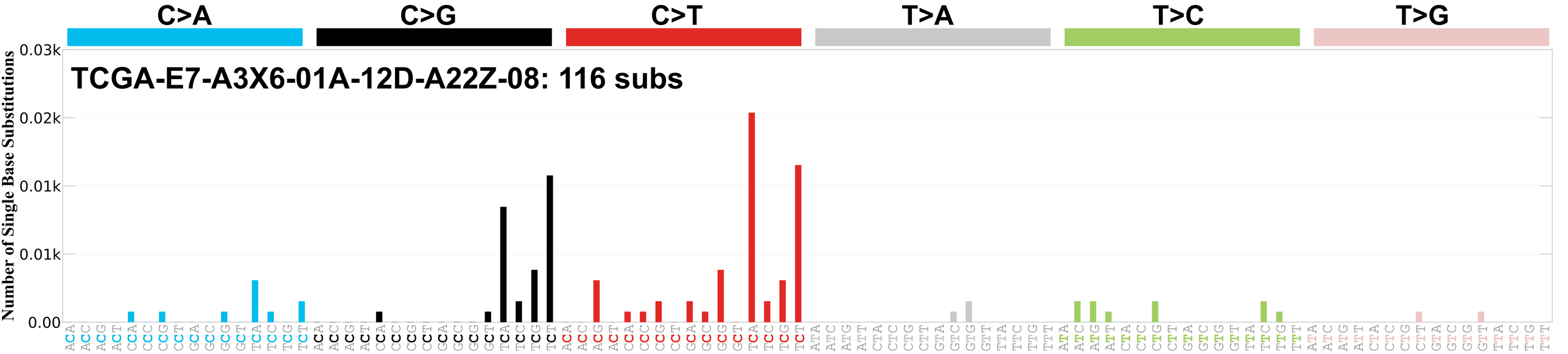

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA76-01A-11D-A391-08: 292 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

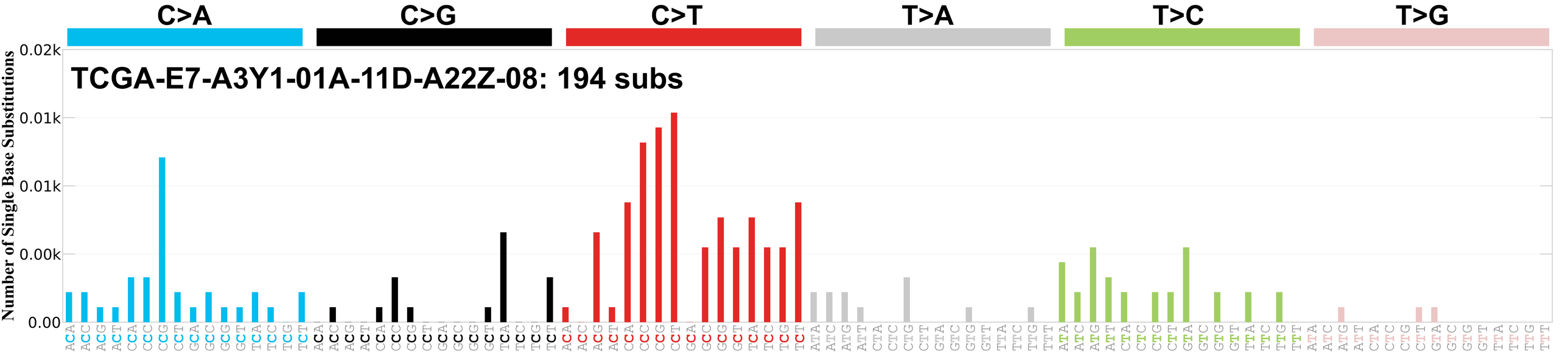

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-DK-AA77-01A-11D-A391-08: 479 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

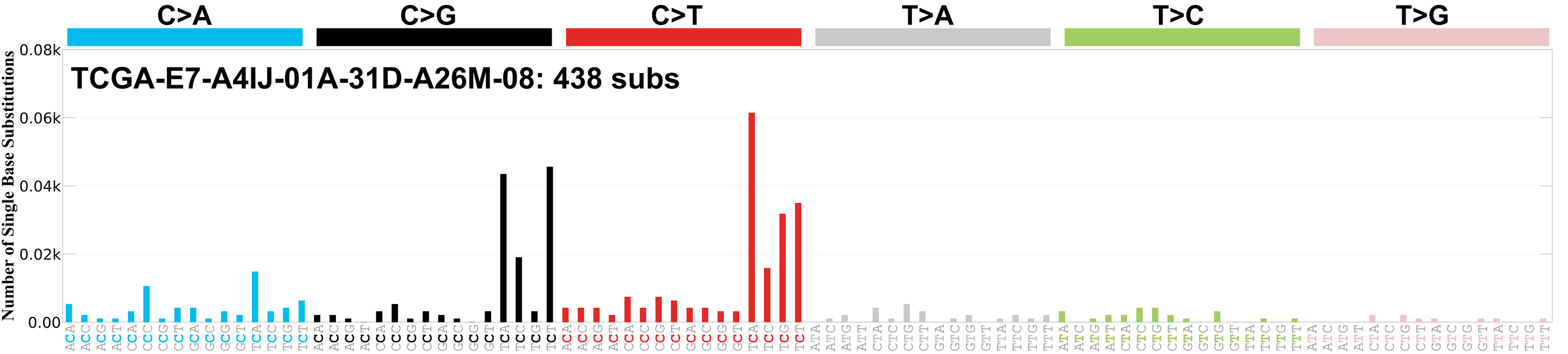

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E5-A2PC-01A-11D-A202-08: 296 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

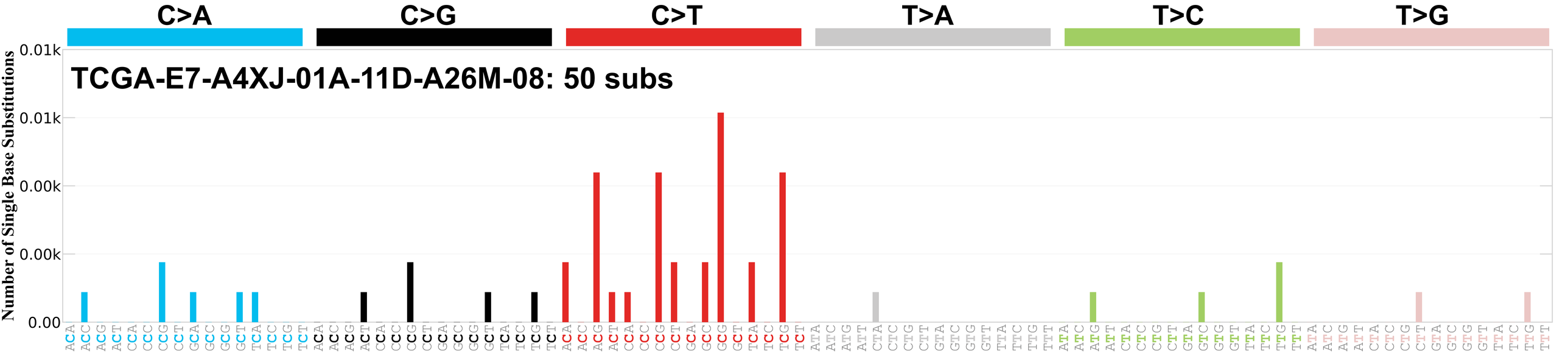

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E5-A4TZ-01A-11D-A31L-08: 578 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

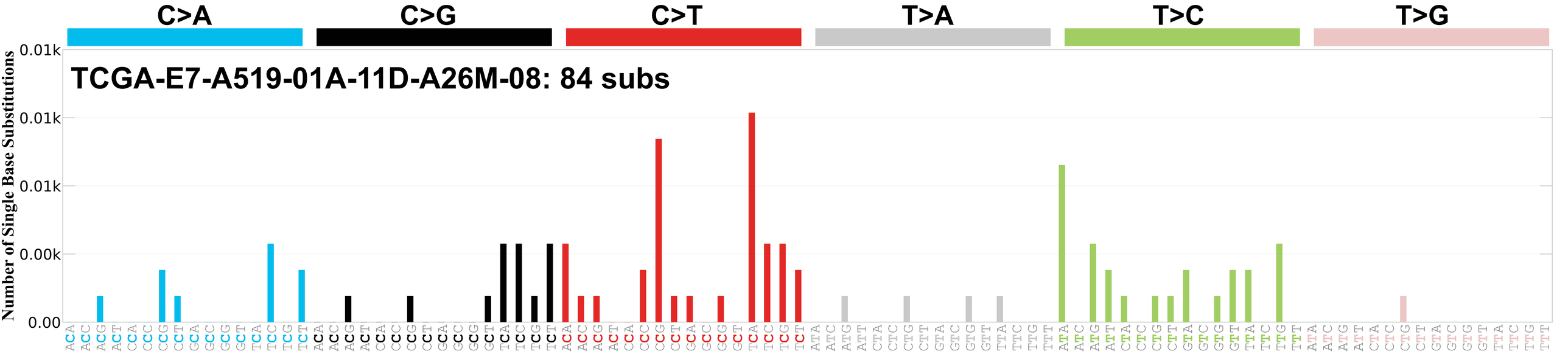

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E5-A4U1-01A-11D-A31L-08: 748 subs
Number of Single Base Substitutions
0.18k
0.13k
0.09k
0.04k
0.00

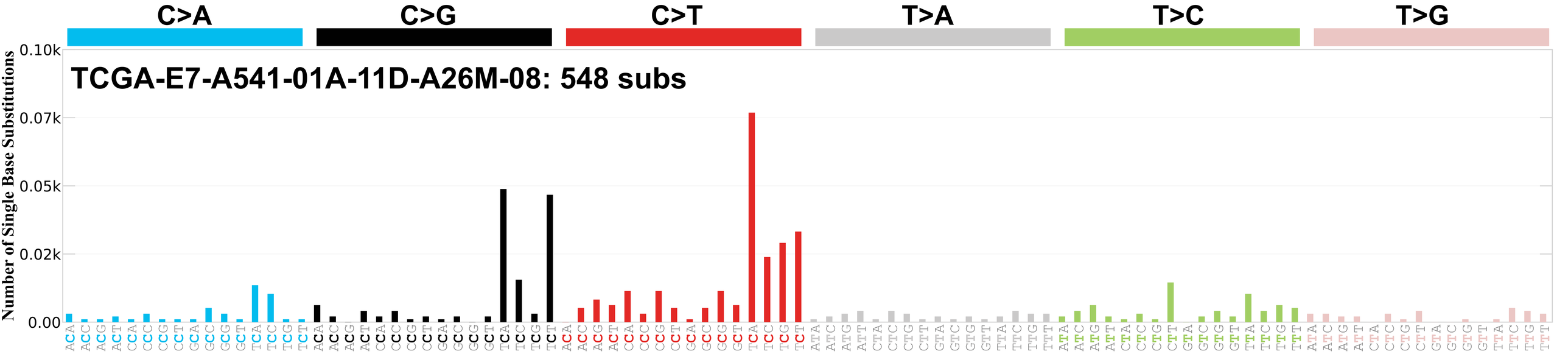

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A3X6-01A-12D-A22Z-08: 116 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

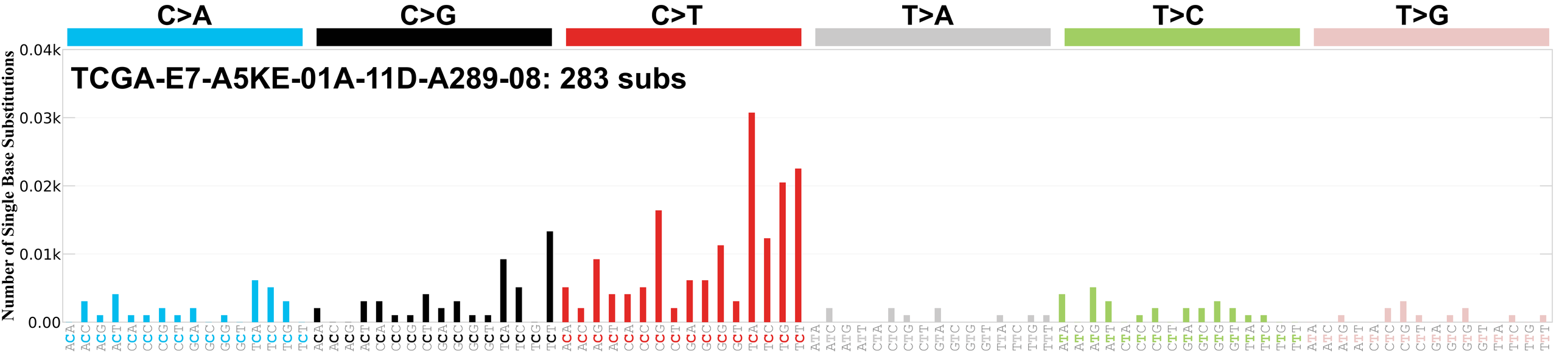

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A3Y1-01A-11D-A22Z-08: 194 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

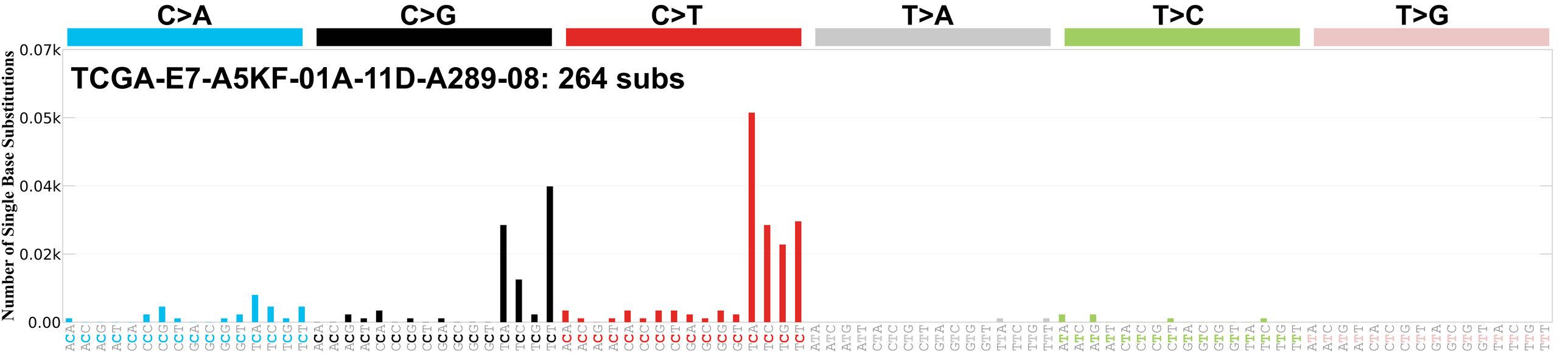

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A4IJ-01A-31D-A26M-08: 438 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

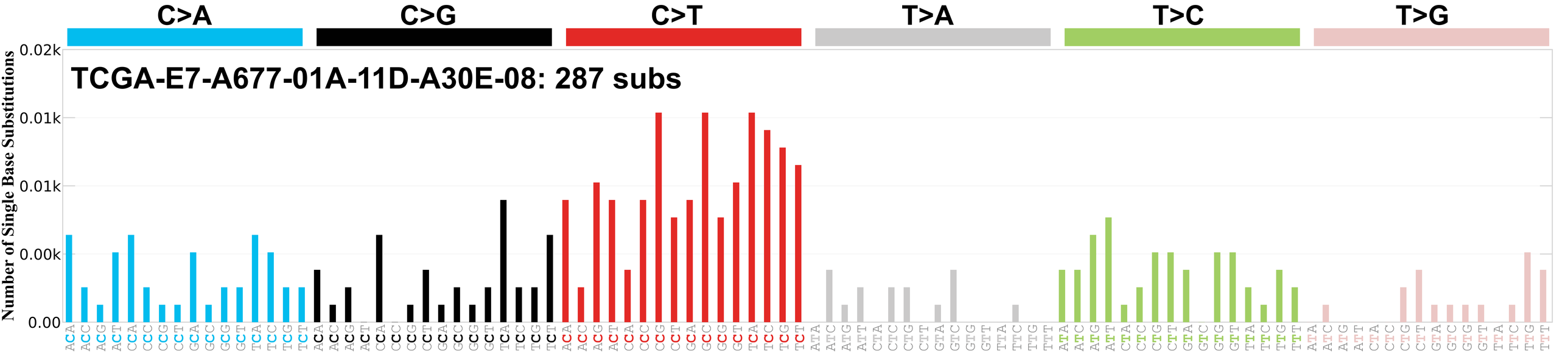

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A4XJ-01A-11D-A26M-08: 50 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

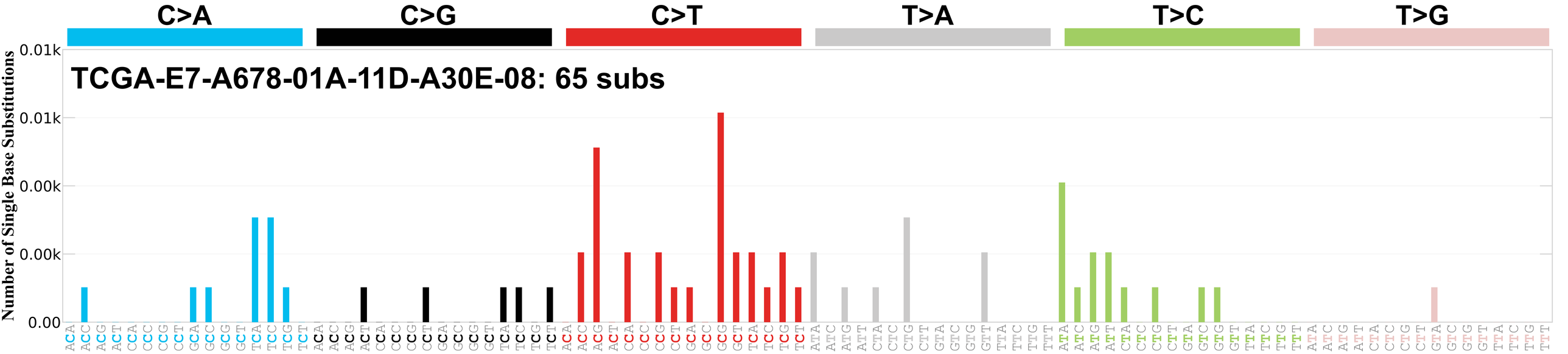

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A519-01A-11D-A26M-08: 84 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

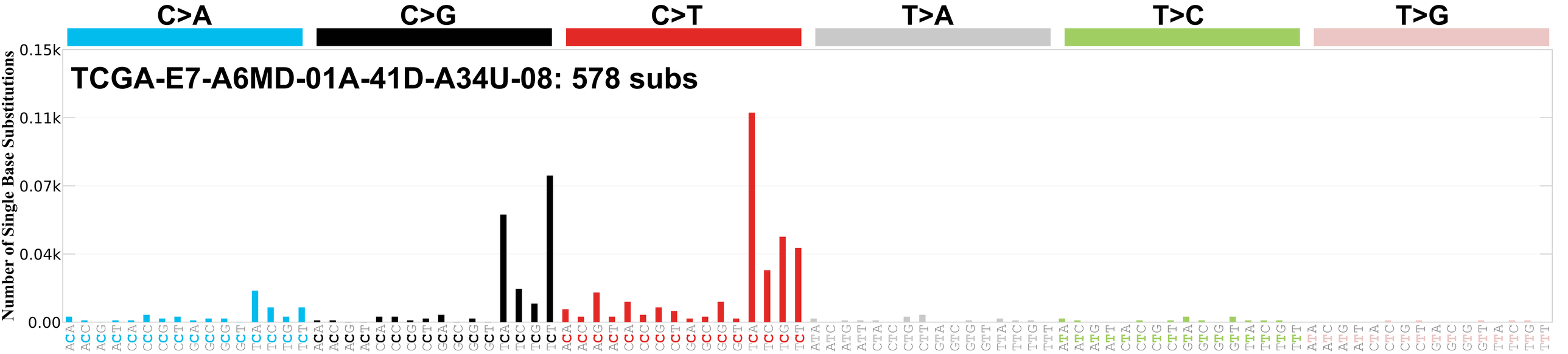

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A541-01A-11D-A26M-08: 548 subs
Number of Single Base Substitutions
0.10k
0.07k
0.05k
0.02k
0.00

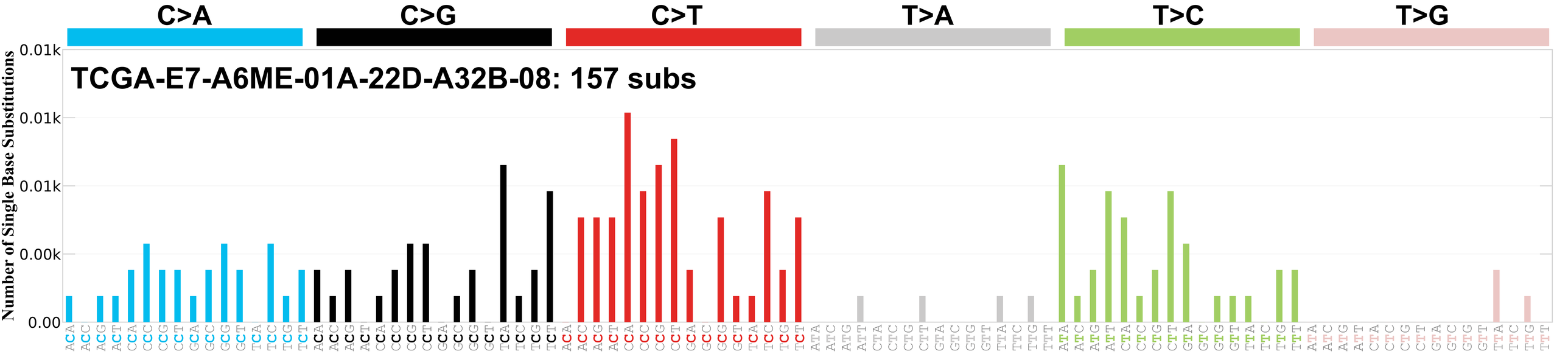

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A5KE-01A-11D-A289-08: 283 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

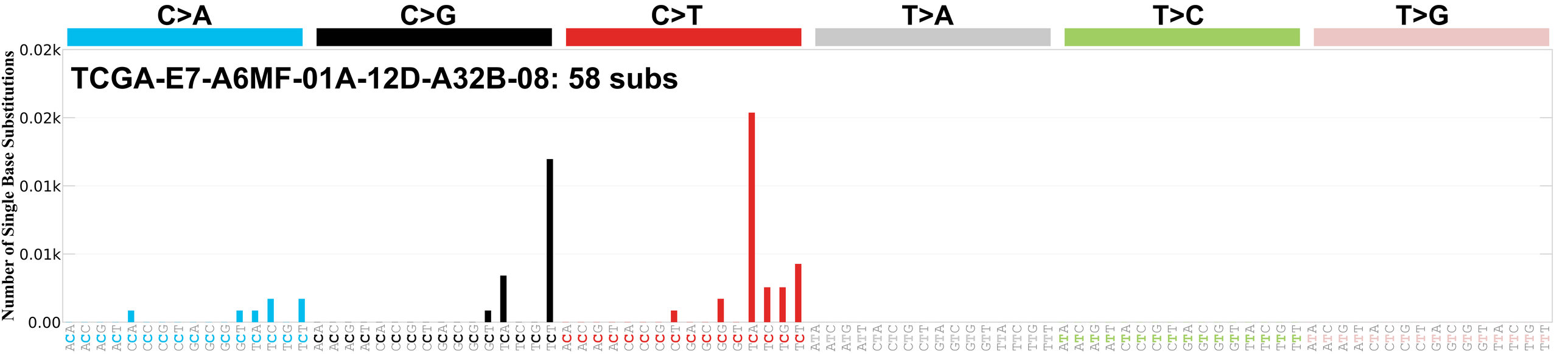

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A5KF-01A-11D-A289-08: 264 subs
Number of Single Base Substitutions
0.07k
0.05k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

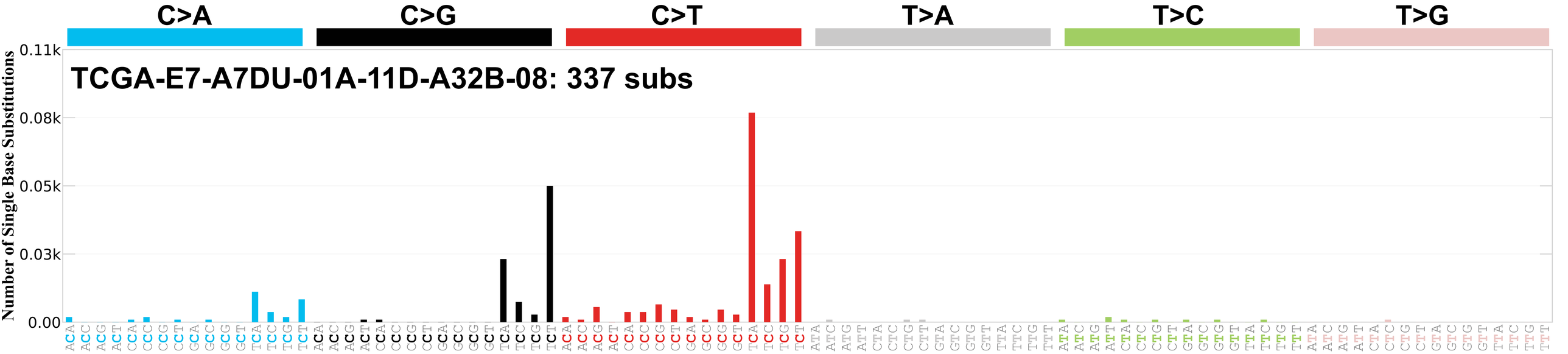

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A677-01A-11D-A30E-08: 287 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

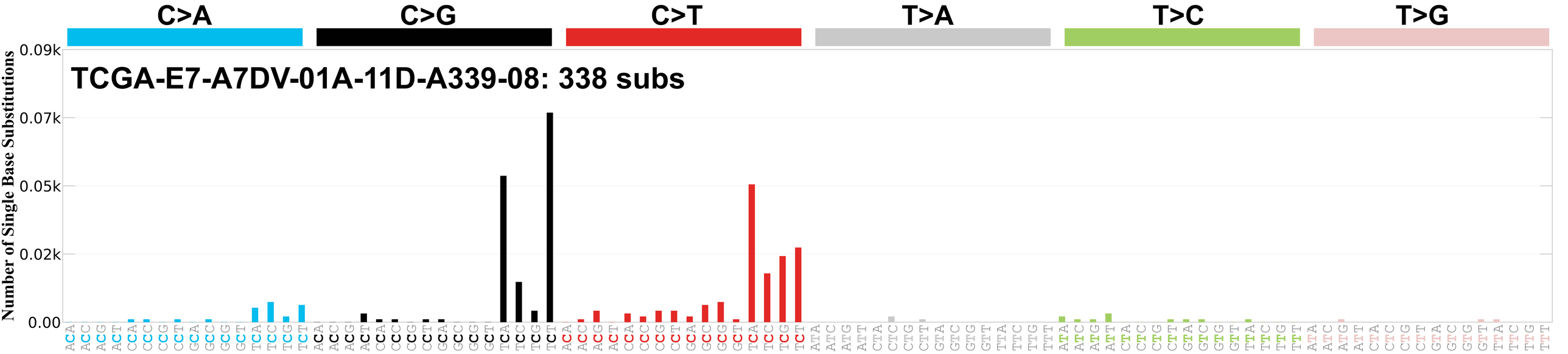

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A678-01A-11D-A30E-08: 65 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

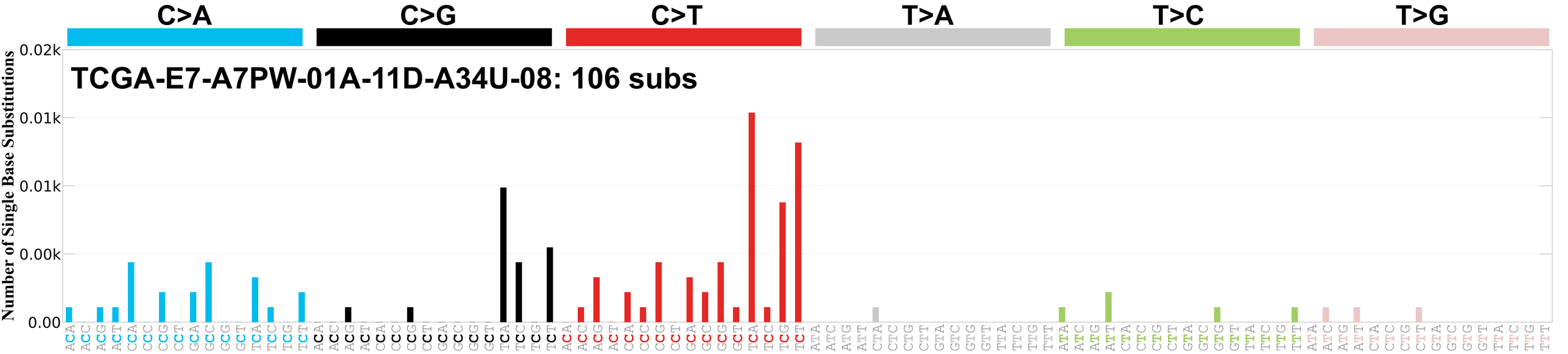

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A6MD-01A-41D-A34U-08: 578 subs
Number of Single Base Substitutions
0.15k
0.11k
0.07k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

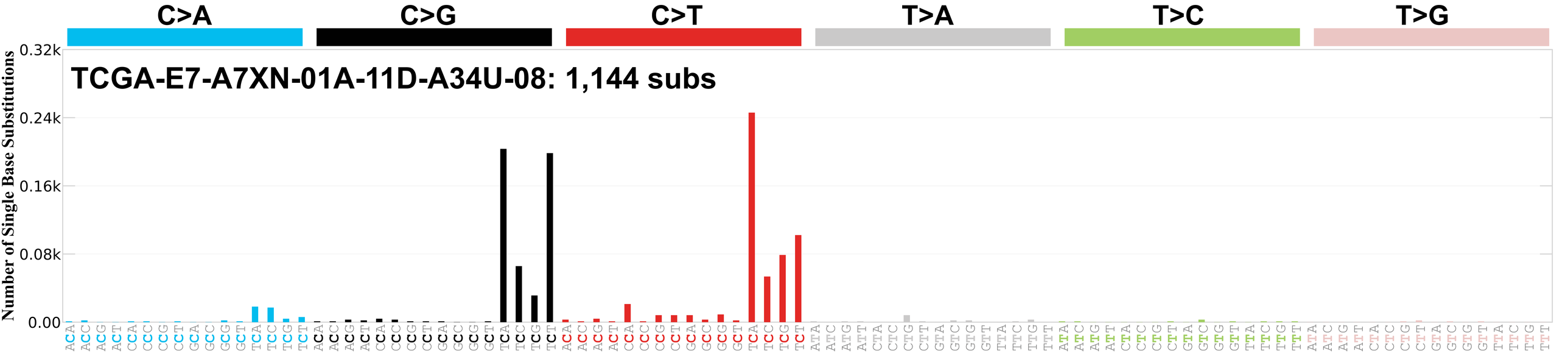

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A6ME-01A-22D-A32B-08: 157 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

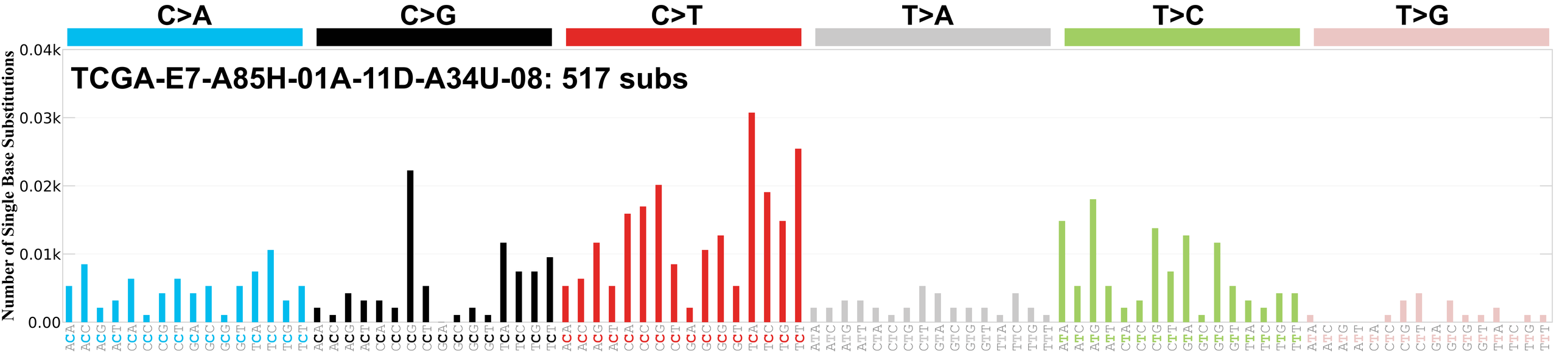

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A6MF-01A-12D-A32B-08: 58 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

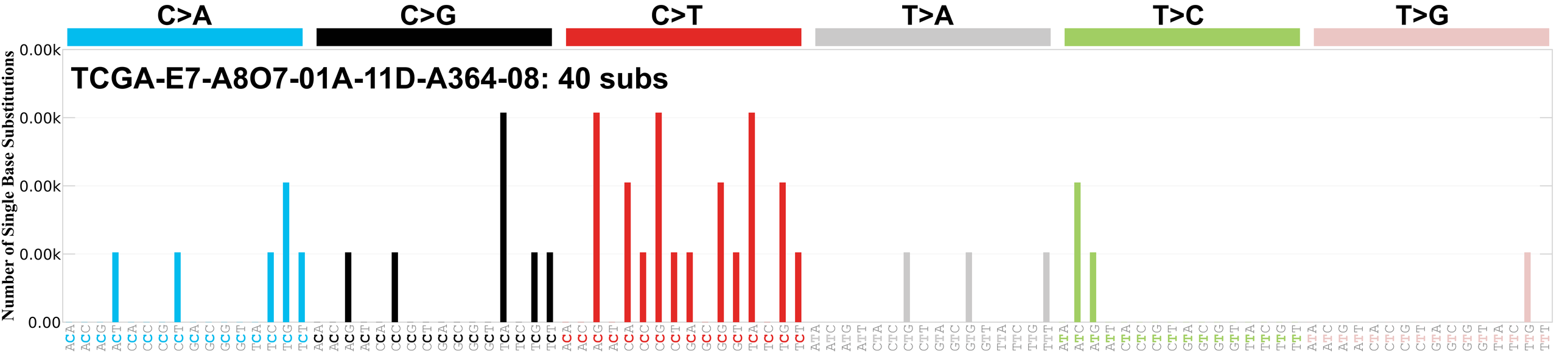

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A7DU-01A-11D-A32B-08: 337 subs
Number of Single Base Substitutions
0.11k
0.08k
0.05k
0.03k
0.00

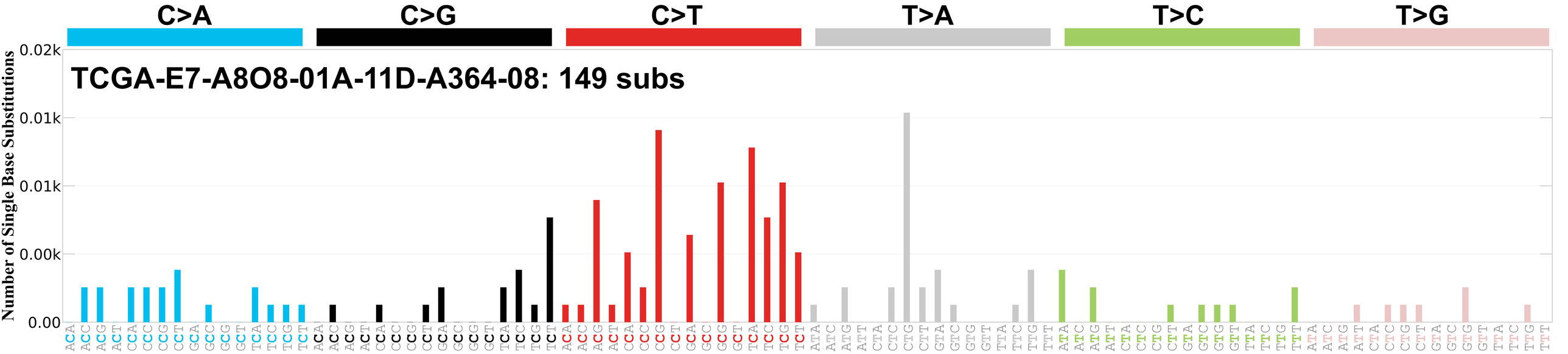

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A7DV-01A-11D-A339-08: 338 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

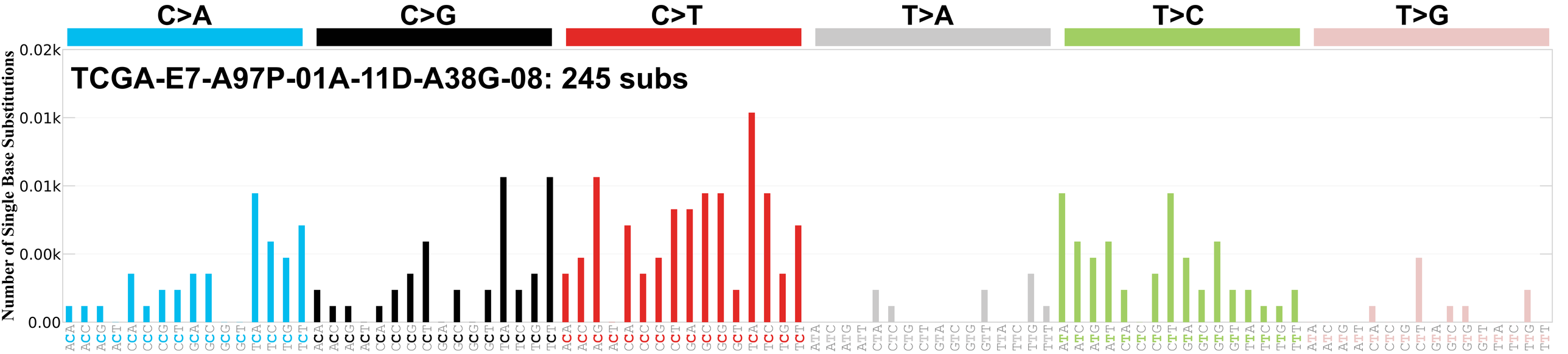

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A7PW-01A-11D-A34U-08: 106 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

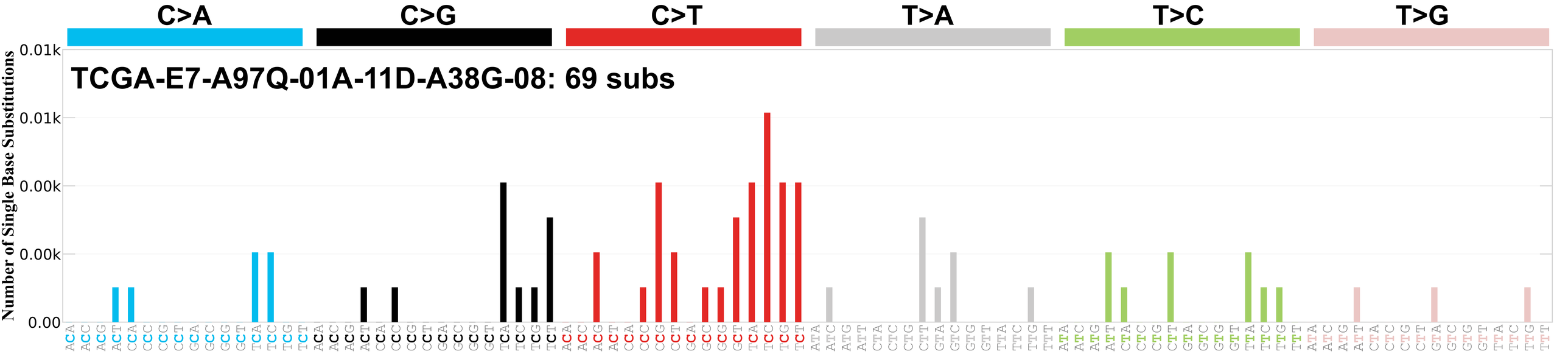

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A7XN-01A-11D-A34U-08: 1,144 subs
Number of Single Base Substitutions
0.32k
0.24k
0.16k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

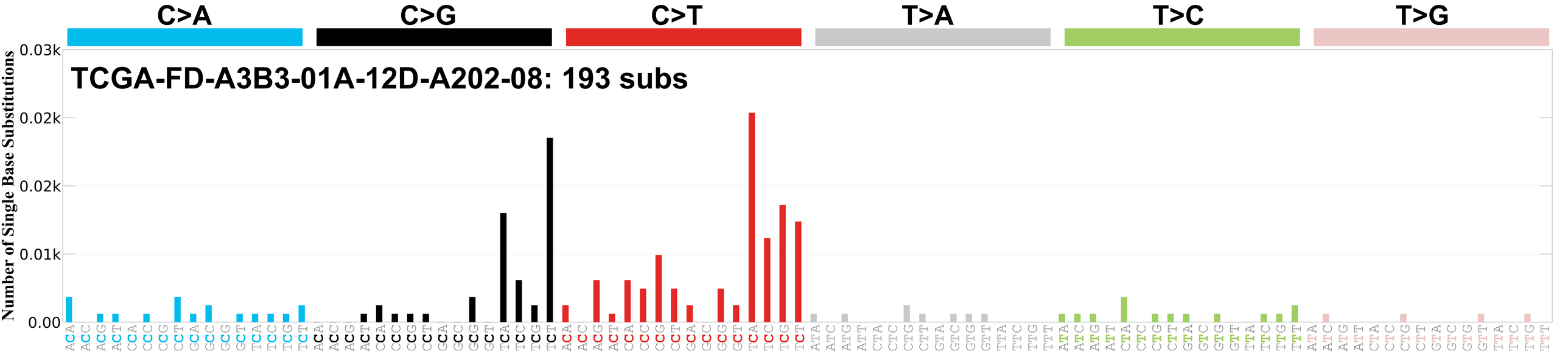

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A85H-01A-11D-A34U-08: 517 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

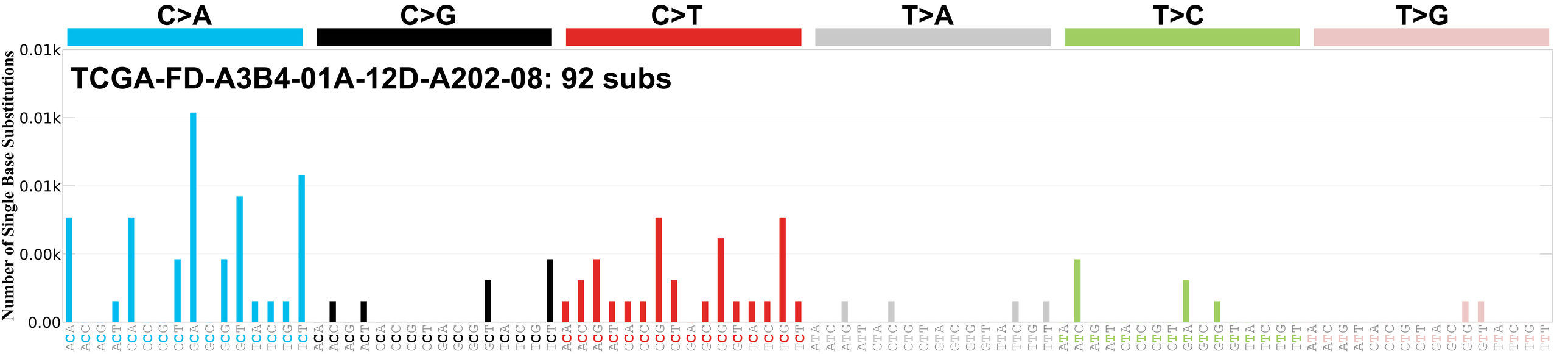

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A8O7-01A-11D-A364-08: 40 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

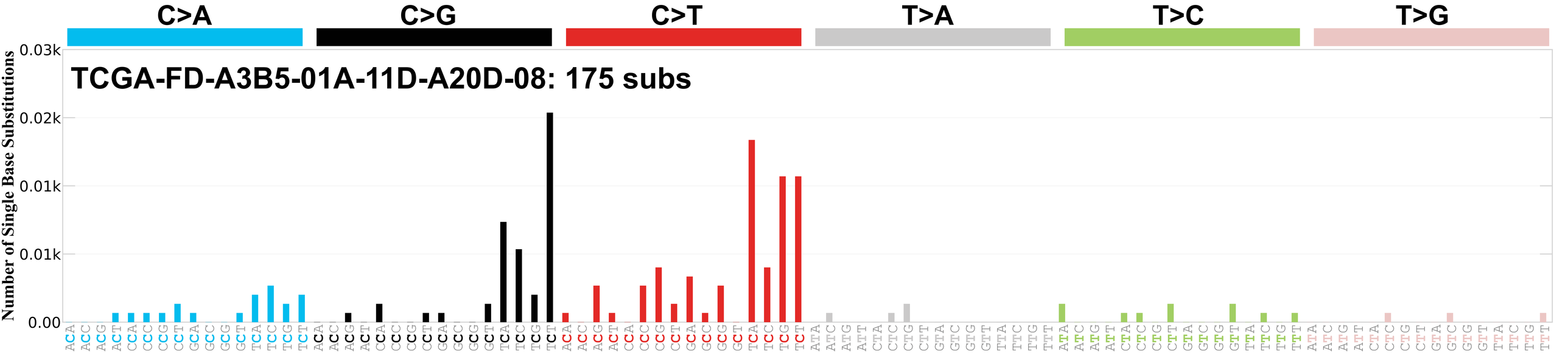

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A8O8-01A-11D-A364-08: 149 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

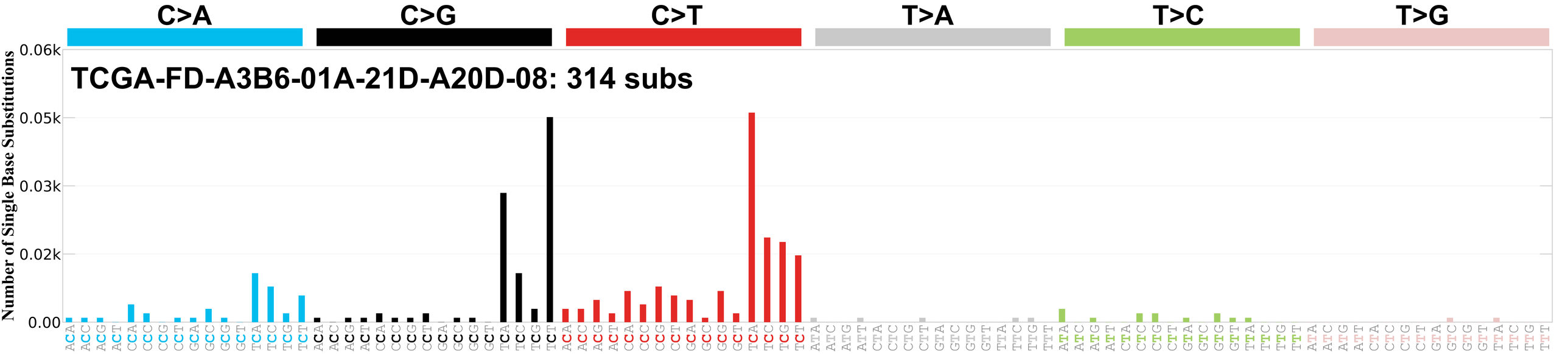

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A97P-01A-11D-A38G-08: 245 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

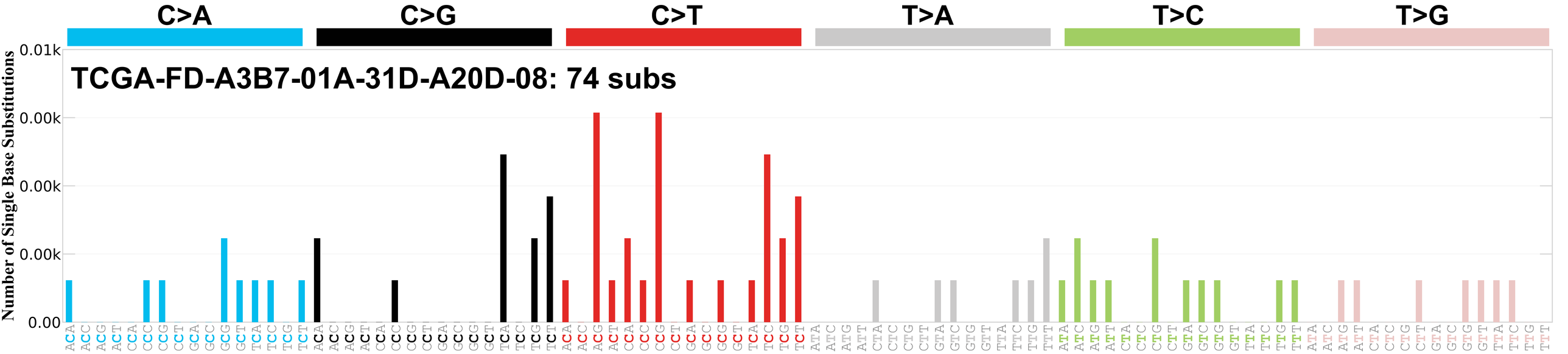

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-E7-A97Q-01A-11D-A38G-08: 69 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

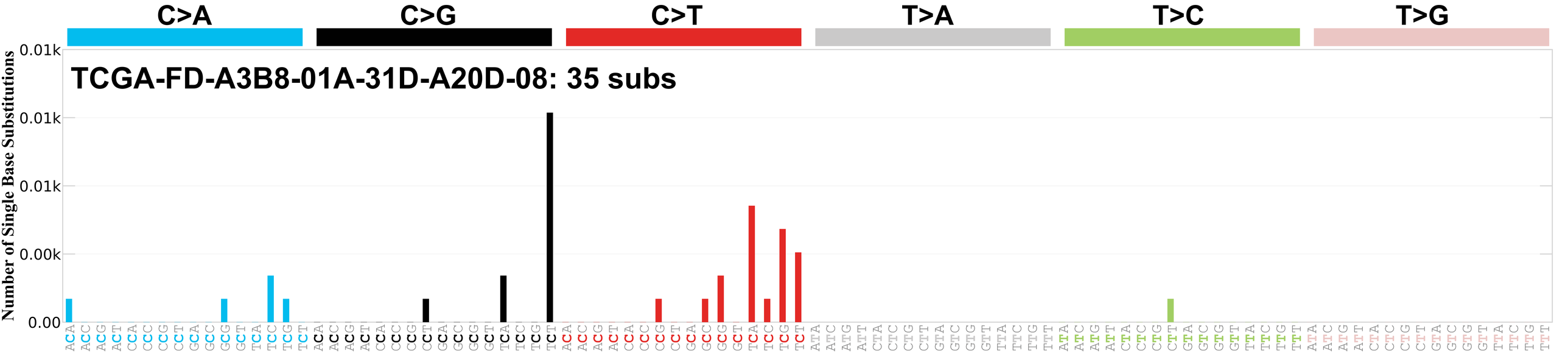

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B3-01A-12D-A202-08: 193 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00

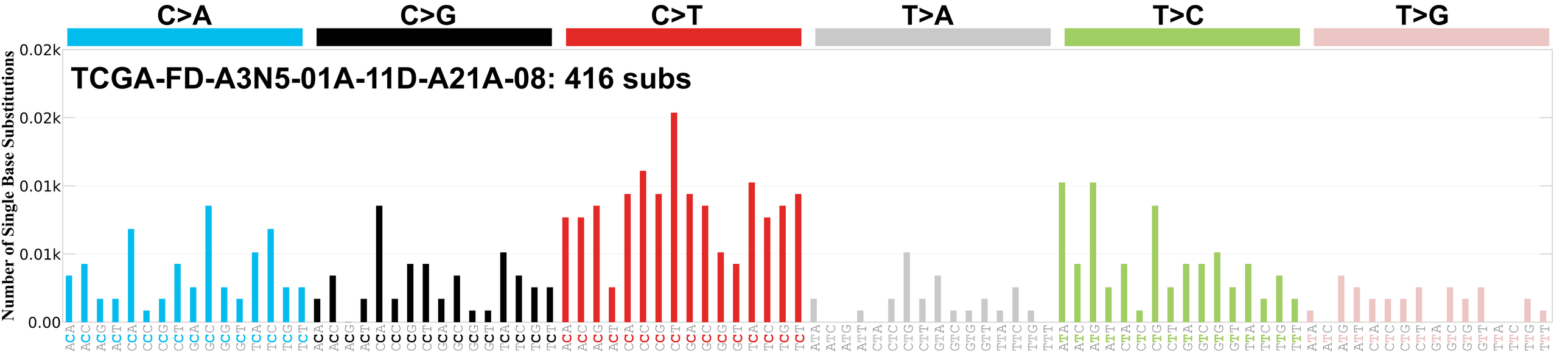

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B4-01A-12D-A202-08: 92 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

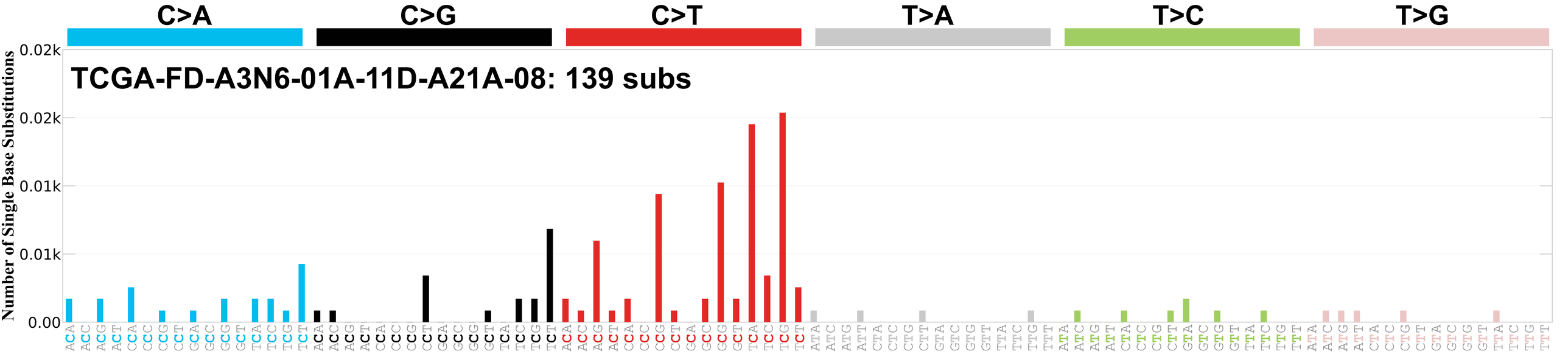

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B5-01A-11D-A20D-08: 175 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

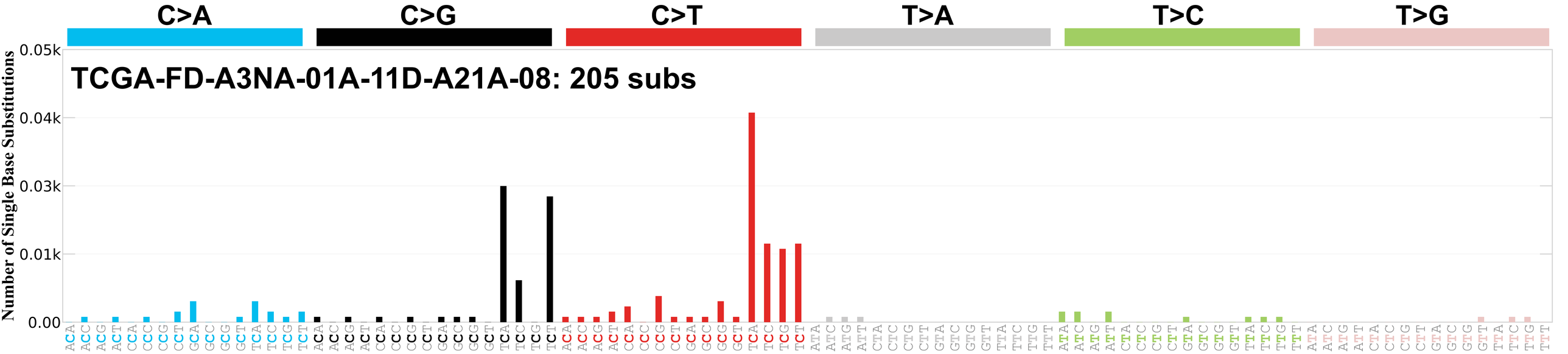

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B6-01A-21D-A20D-08: 314 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

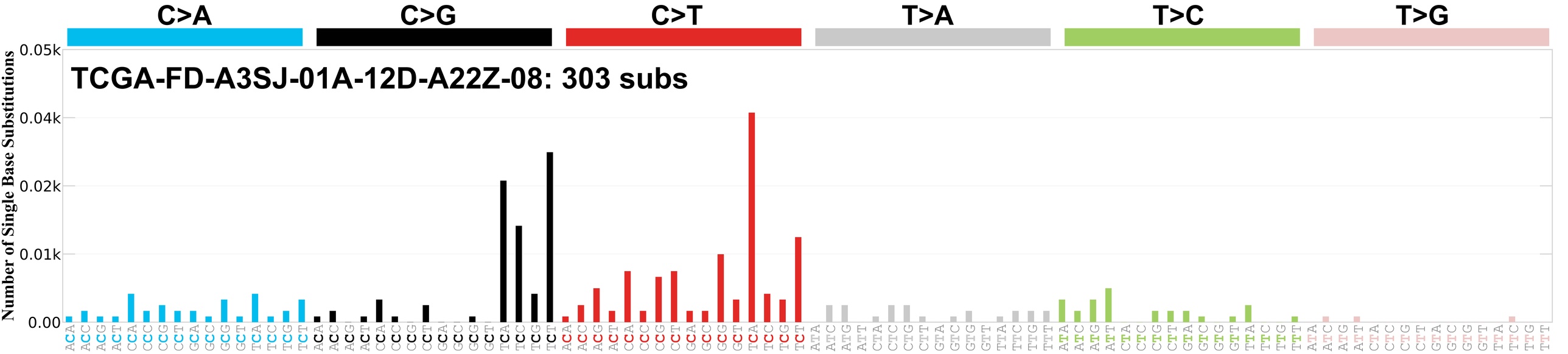

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B7-01A-31D-A20D-08: 74 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

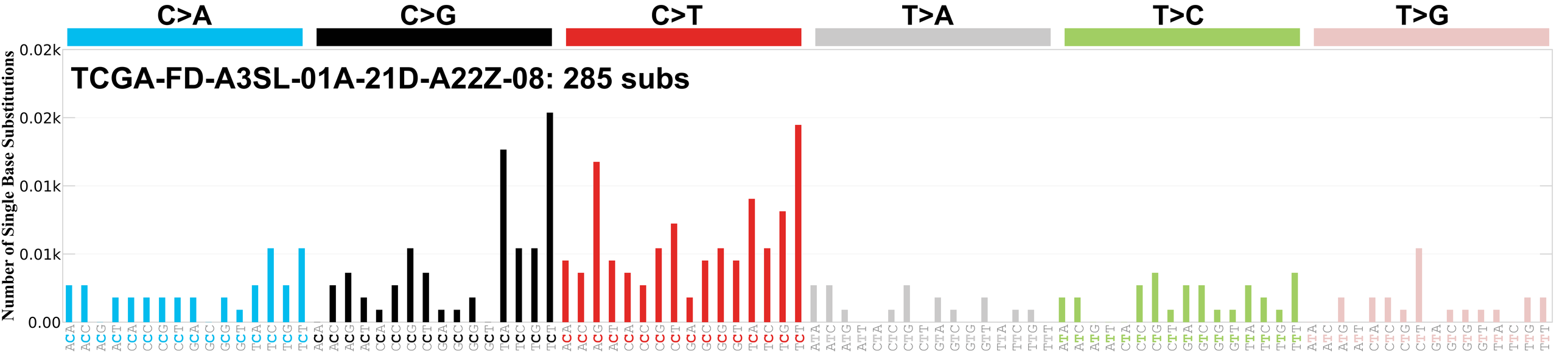

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3B8-01A-31D-A20D-08: 35 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

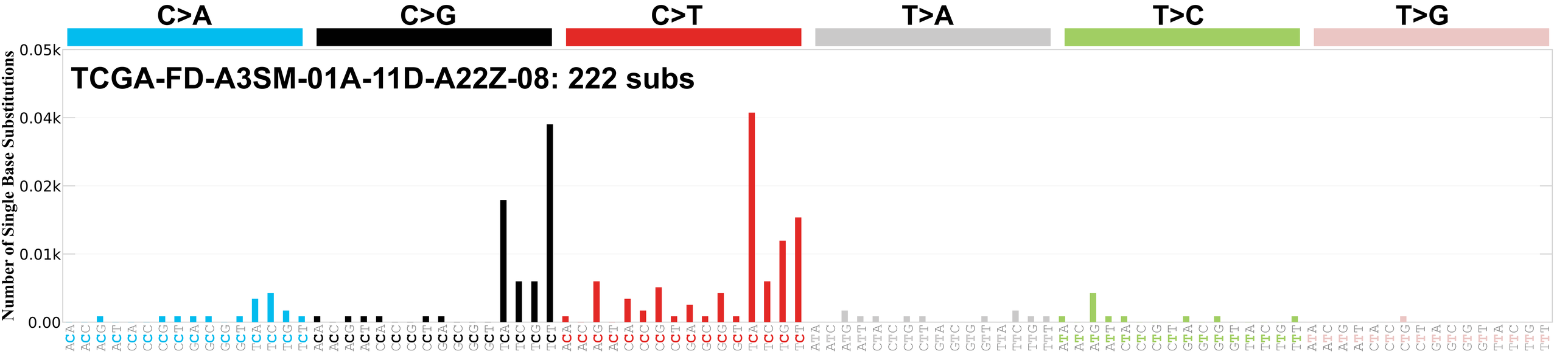

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3N5-01A-11D-A21A-08: 416 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

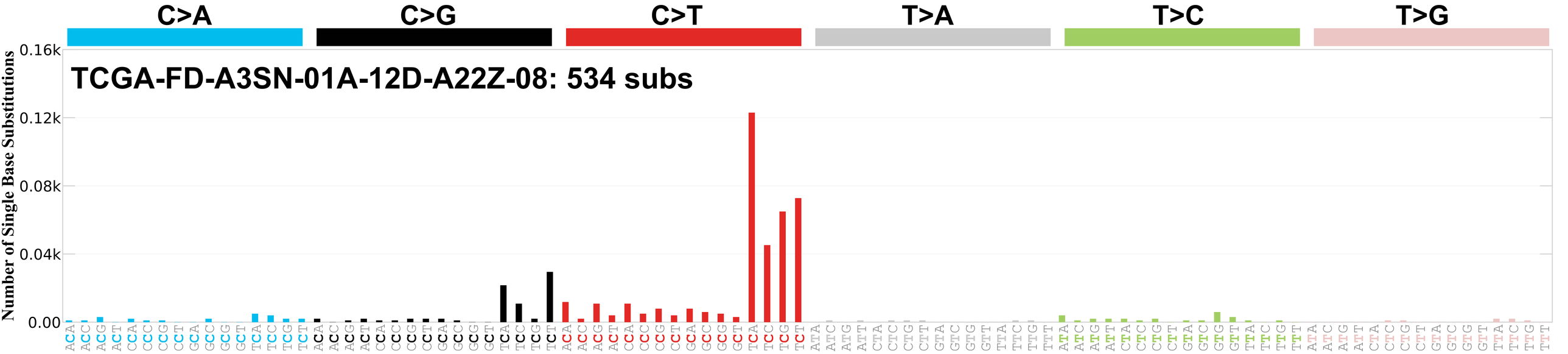

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3N6-01A-11D-A21A-08: 139 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

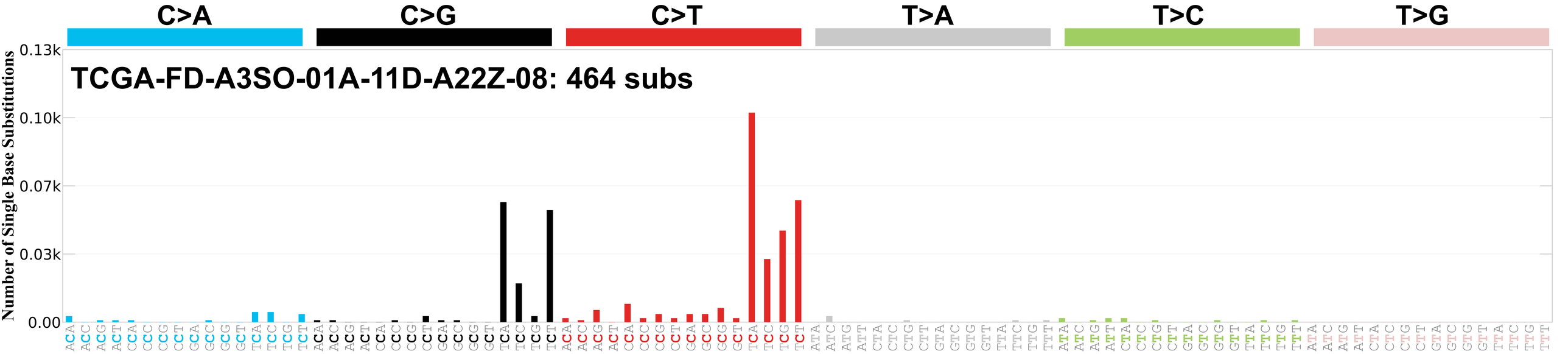

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3NA-01A-11D-A21A-08: 205 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

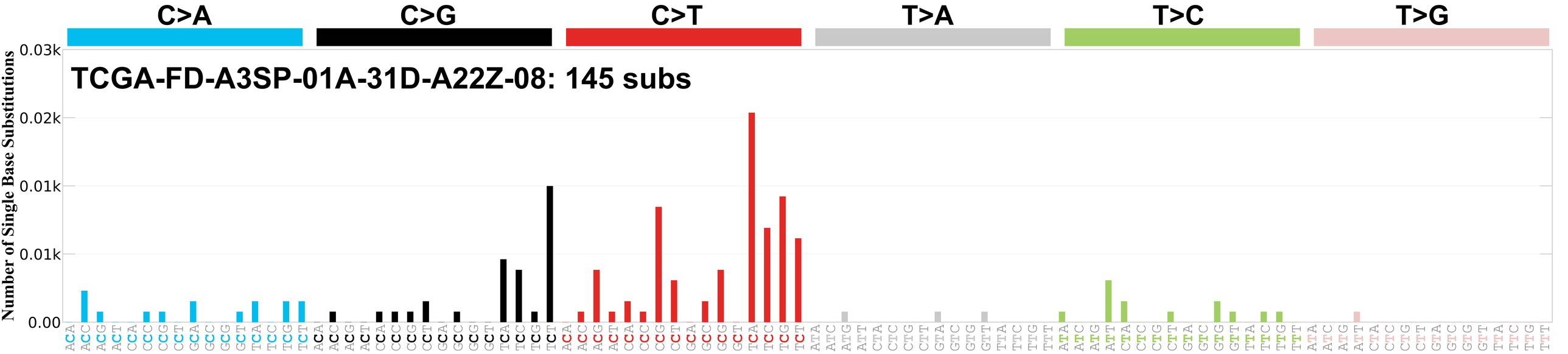

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SJ-01A-12D-A22Z-08: 303 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

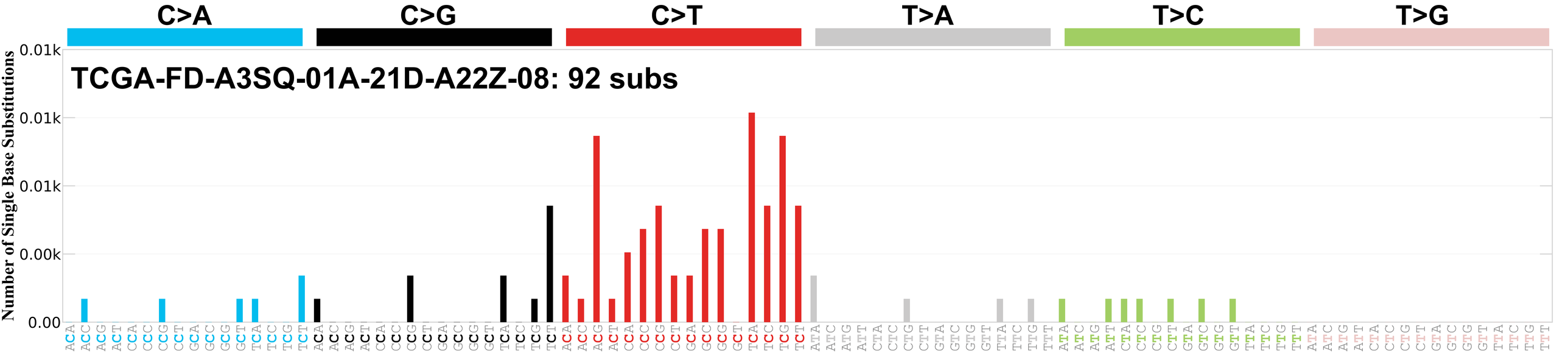

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SL-01A-21D-A22Z-08: 285 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

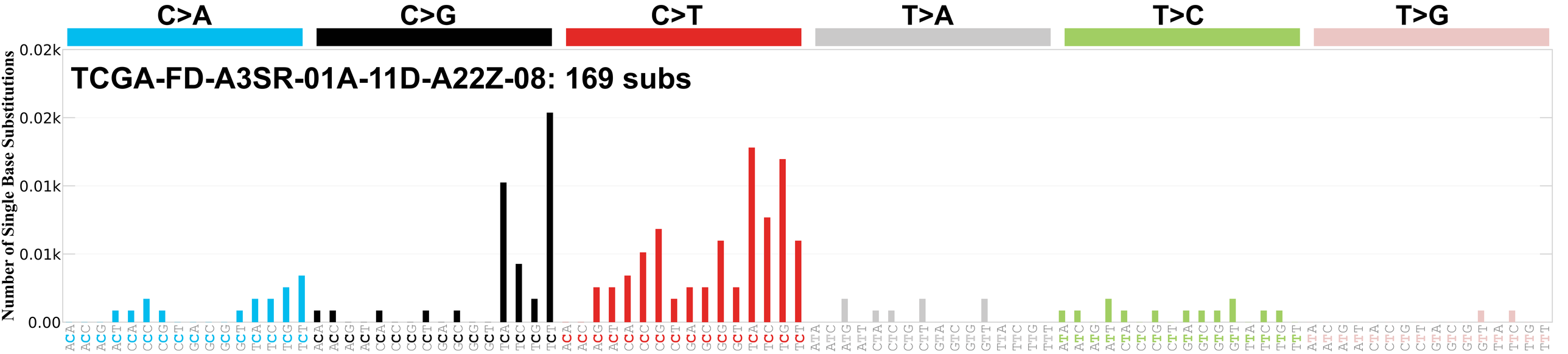

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SM-01A-11D-A22Z-08: 222 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00

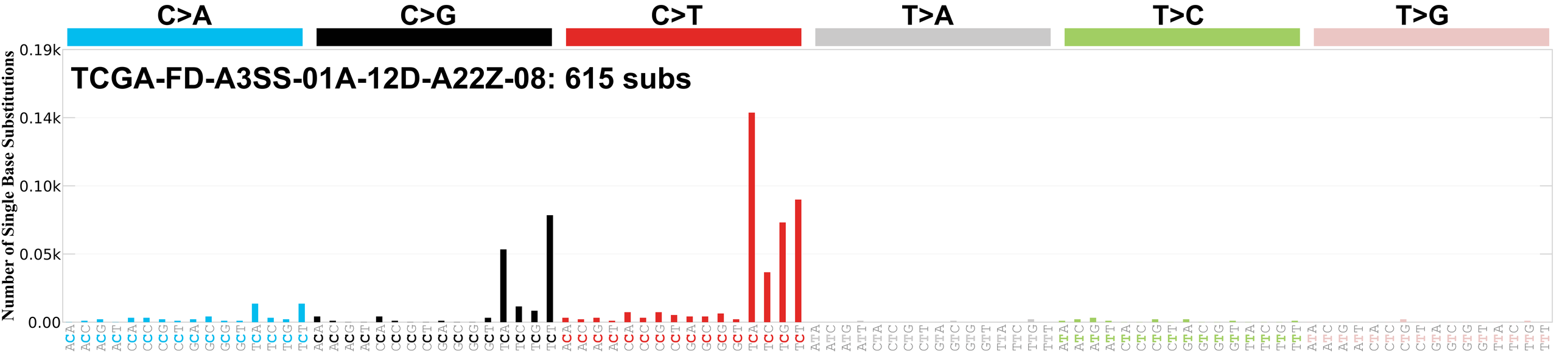

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SN-01A-12D-A22Z-08: 534 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

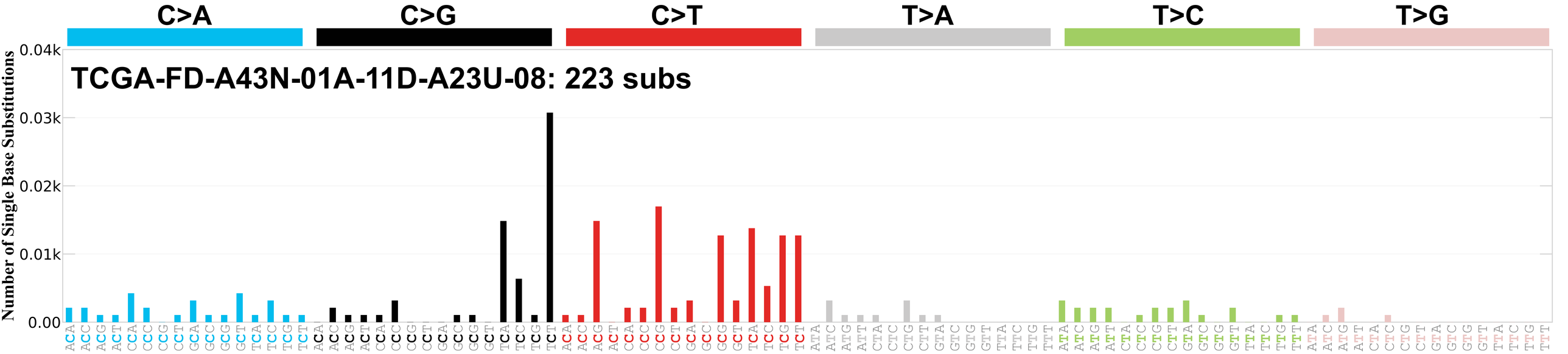

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SO-01A-11D-A22Z-08: 464 subs
Number of Single Base Substitutions
0.13k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

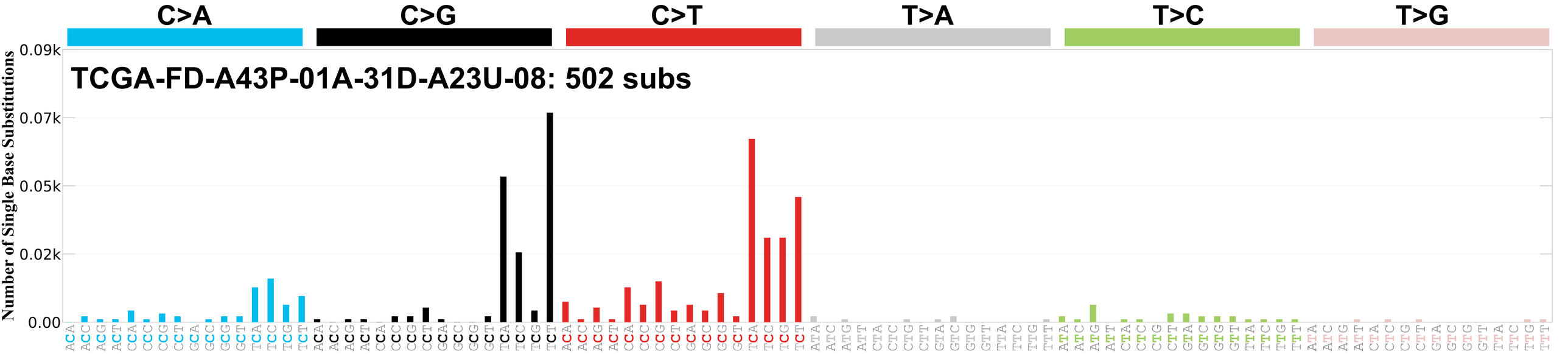

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SP-01A-31D-A22Z-08: 145 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

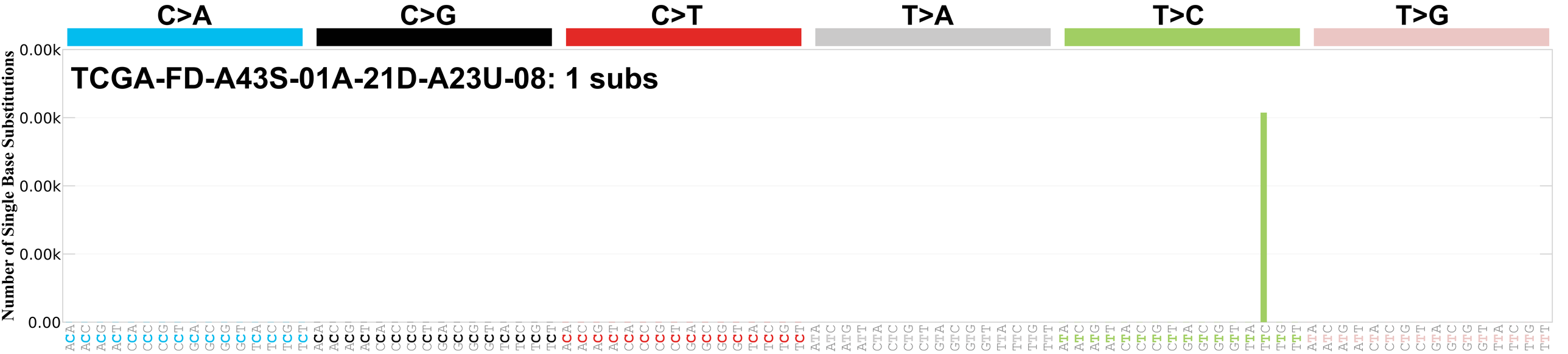

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SQ-01A-21D-A22Z-08: 92 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

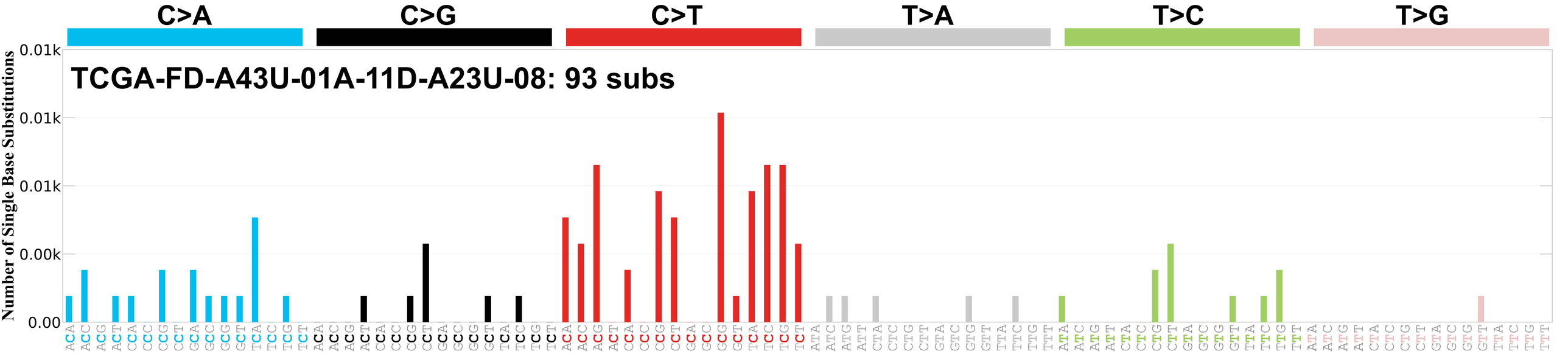

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SR-01A-11D-A22Z-08: 169 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

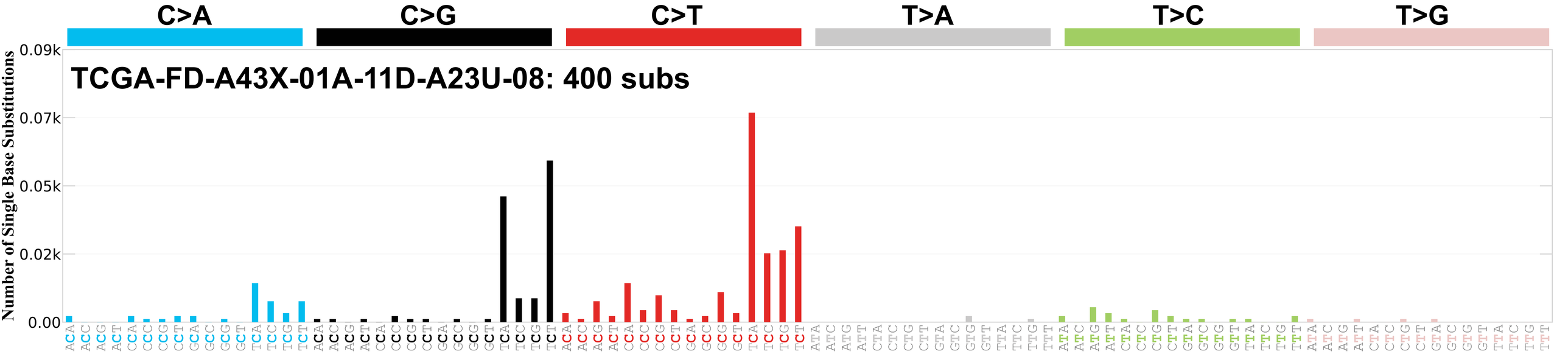

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A3SS-01A-12D-A22Z-08: 615 subs
Number of Single Base Substitutions
0.19k
0.14k
0.10k
0.05k
0.00

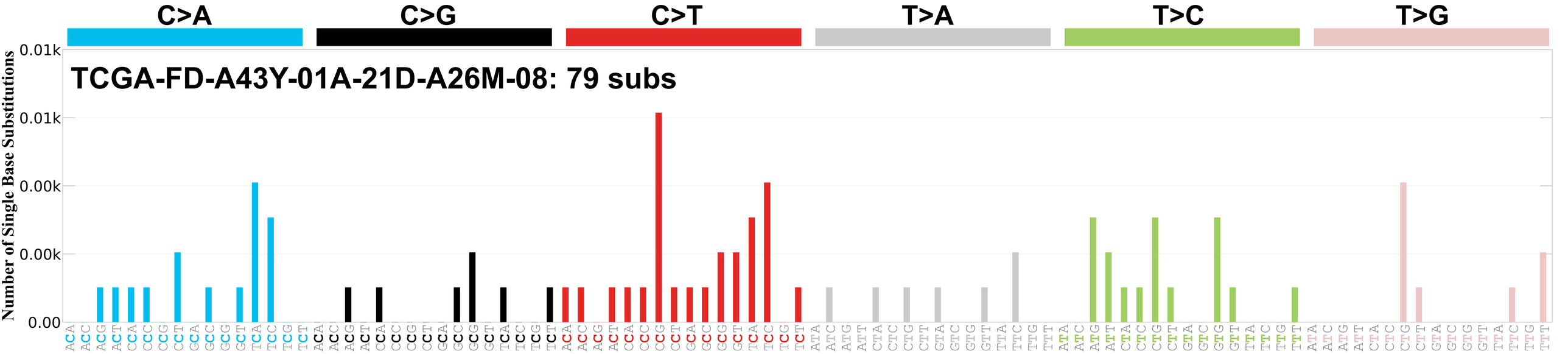

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43N-01A-11D-A23U-08: 223 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

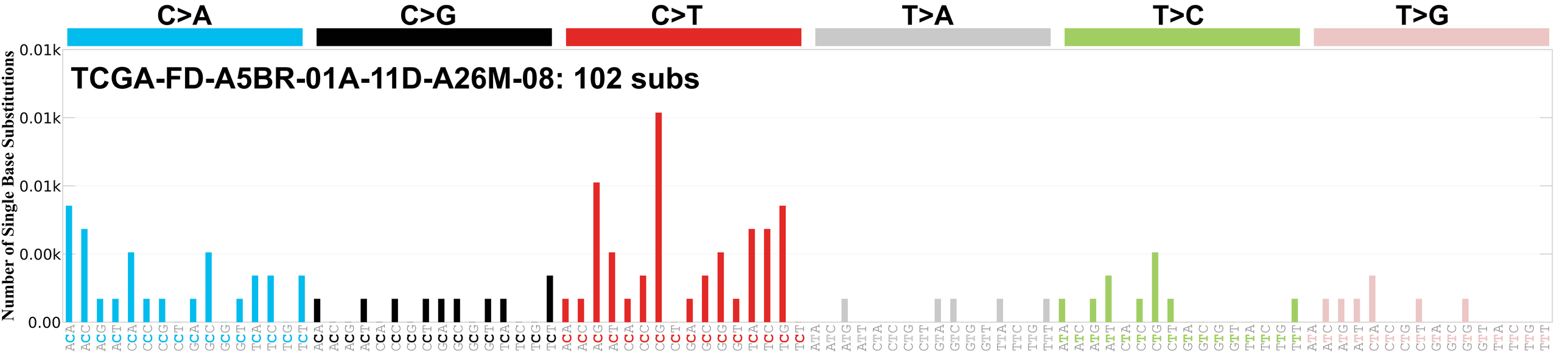

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43P-01A-31D-A23U-08: 502 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

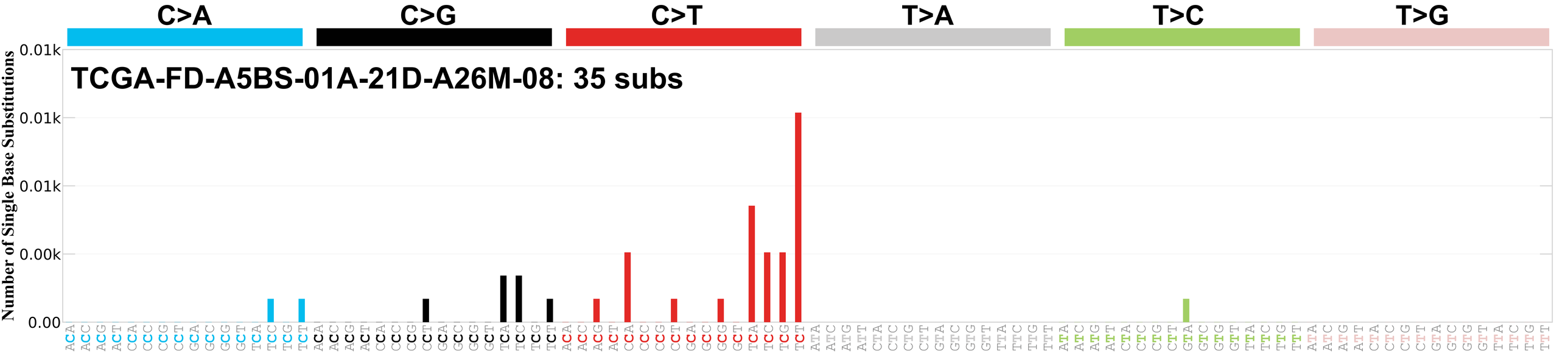

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43S-01A-21D-A23U-08: 1 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

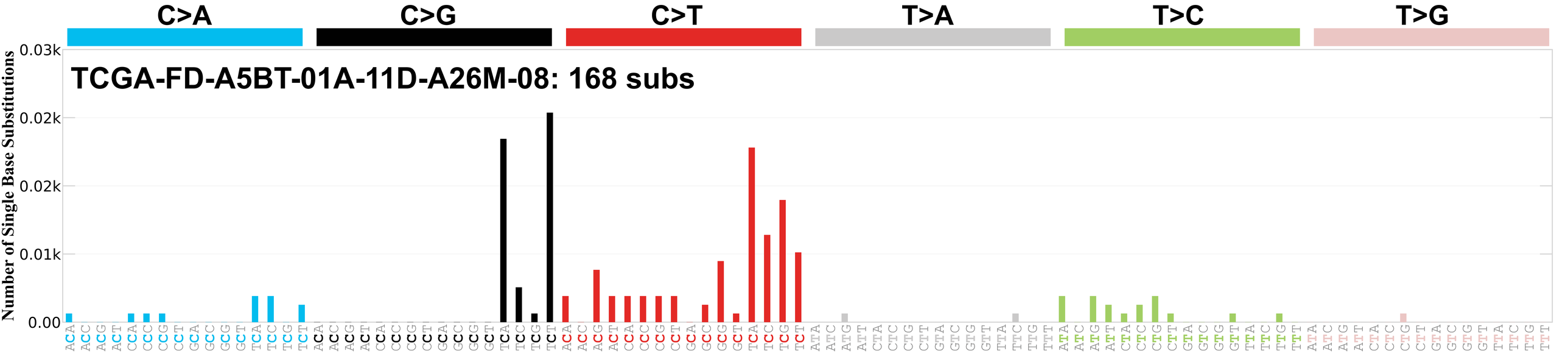

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43U-01A-11D-A23U-08: 93 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

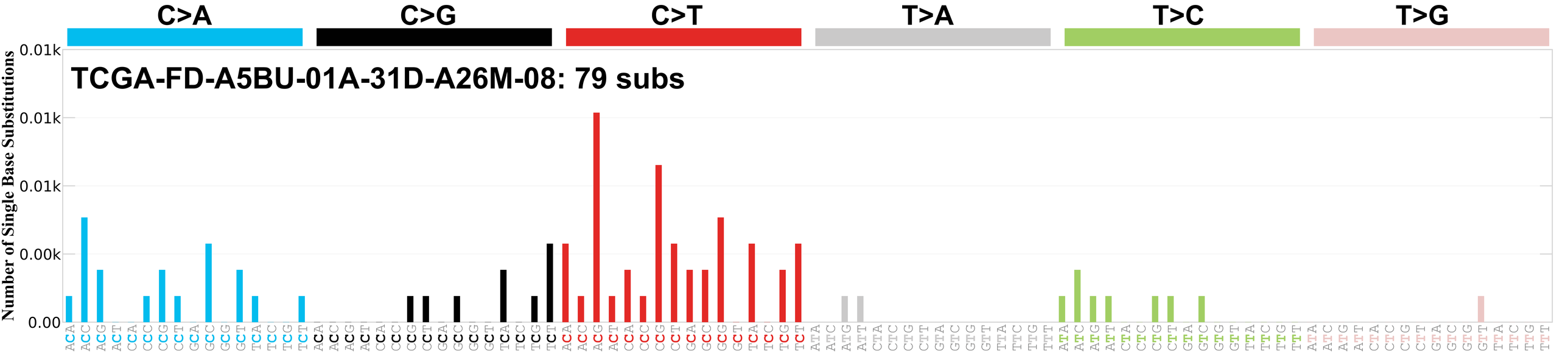

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43X-01A-11D-A23U-08: 400 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00

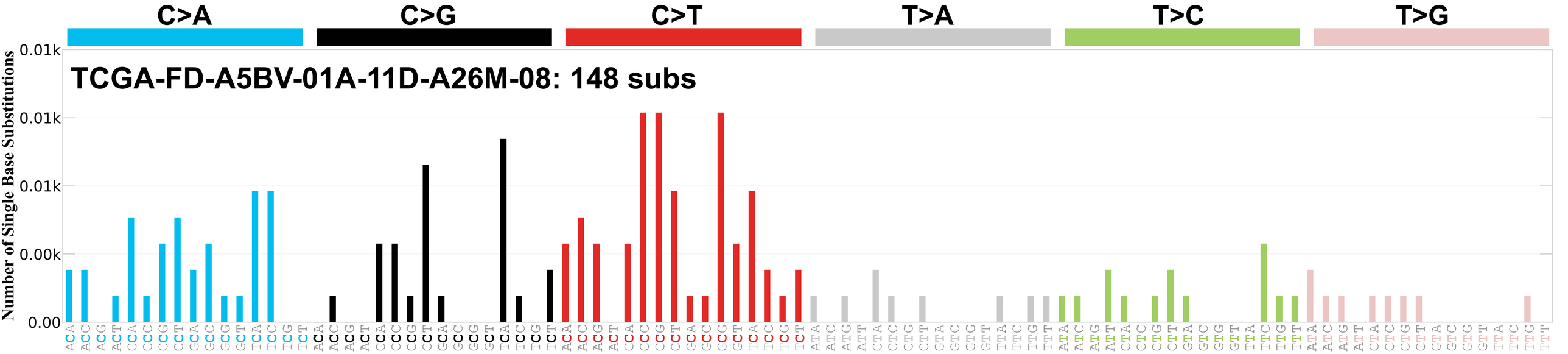

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A43Y-01A-21D-A26M-08: 79 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

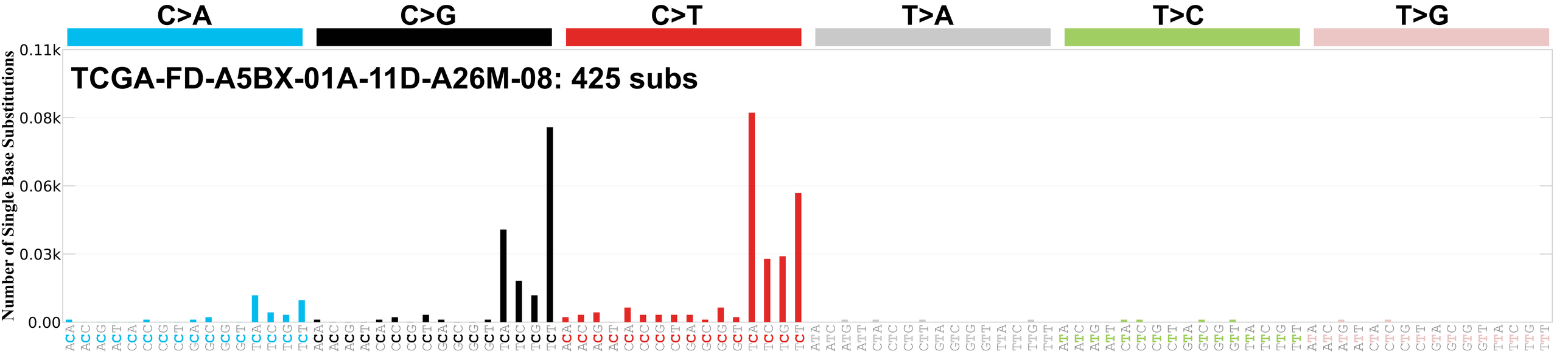

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BR-01A-11D-A26M-08: 102 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

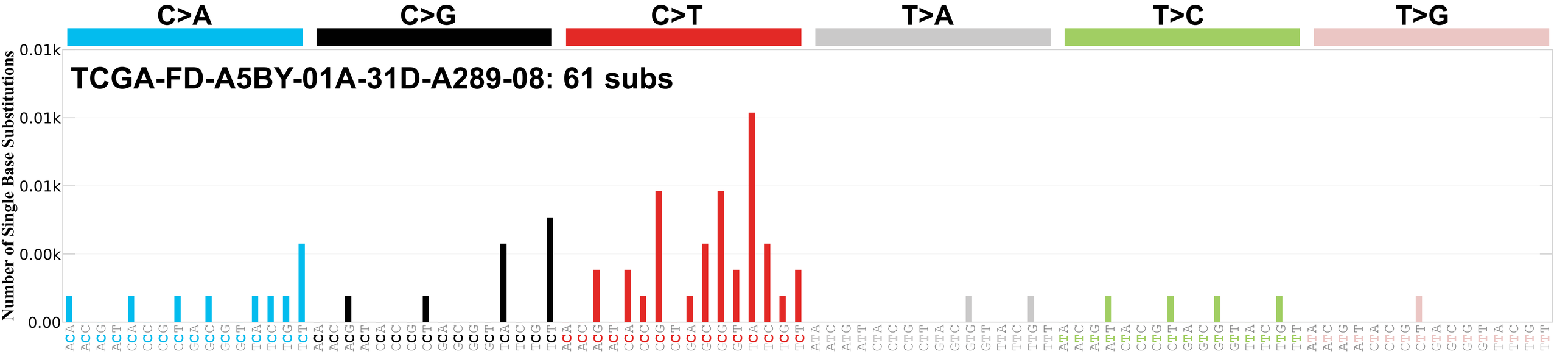

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BS-01A-21D-A26M-08: 35 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

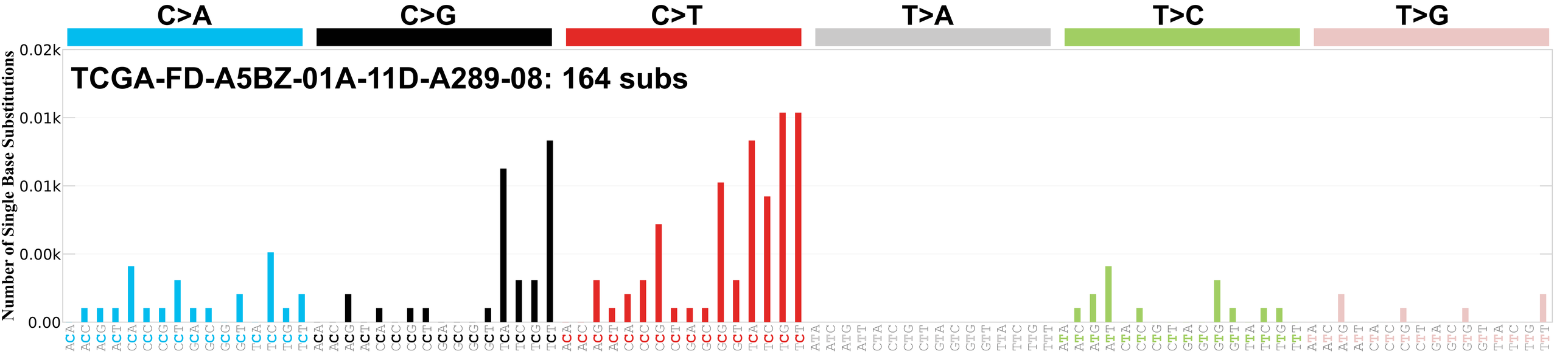

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BT-01A-11D-A26M-08: 168 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

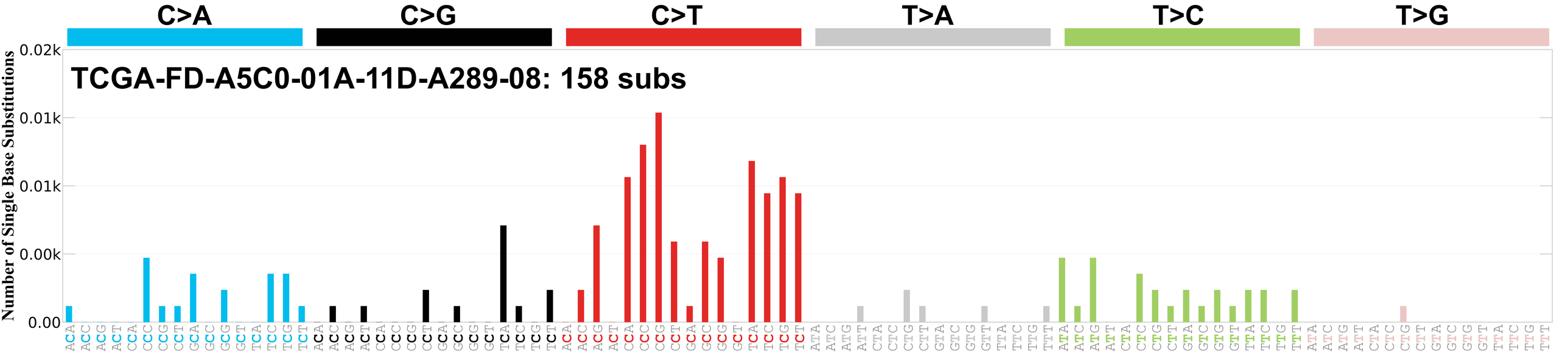

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BU-01A-31D-A26M-08: 79 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

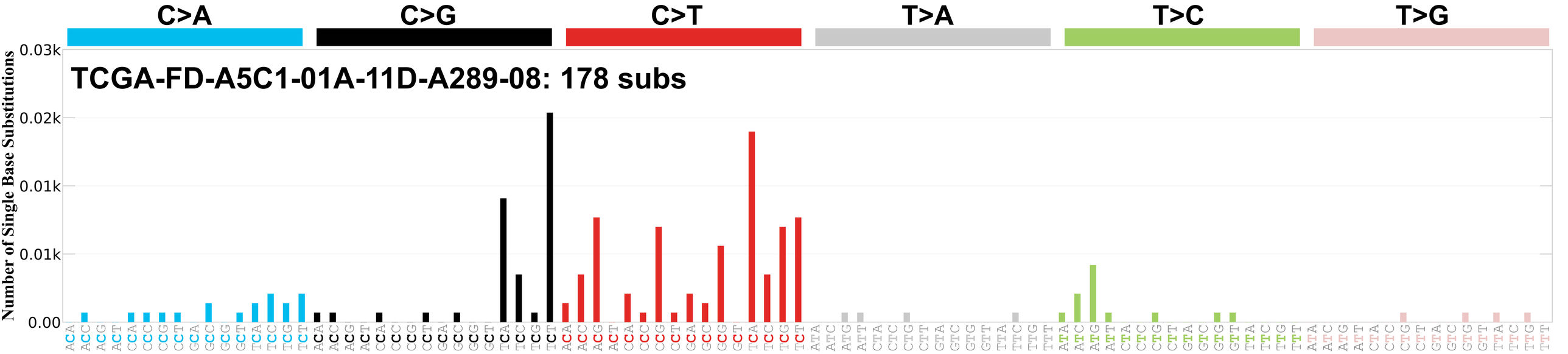

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BV-01A-11D-A26M-08: 148 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

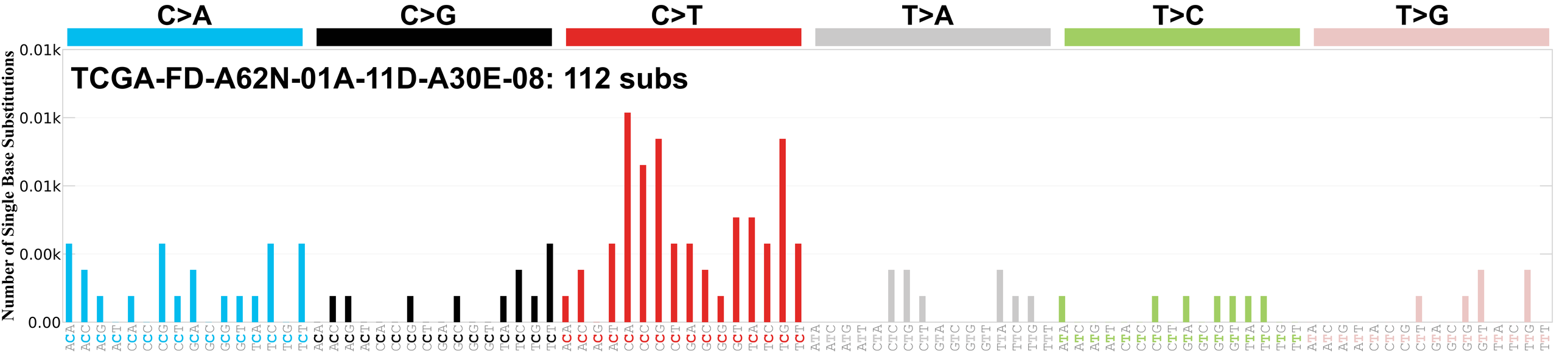

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BX-01A-11D-A26M-08: 425 subs
Number of Single Base Substitutions
0.11k
0.08k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

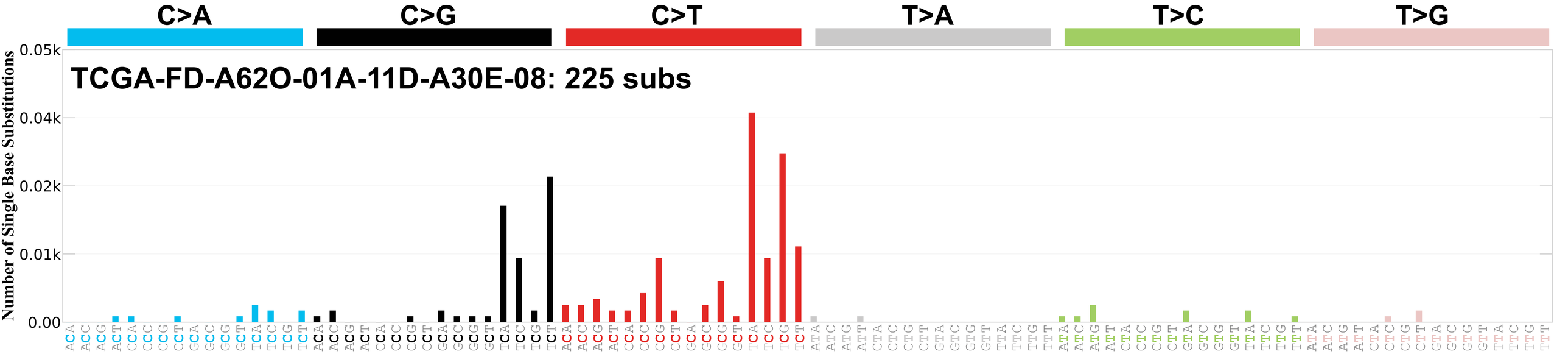

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BY-01A-31D-A289-08: 61 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

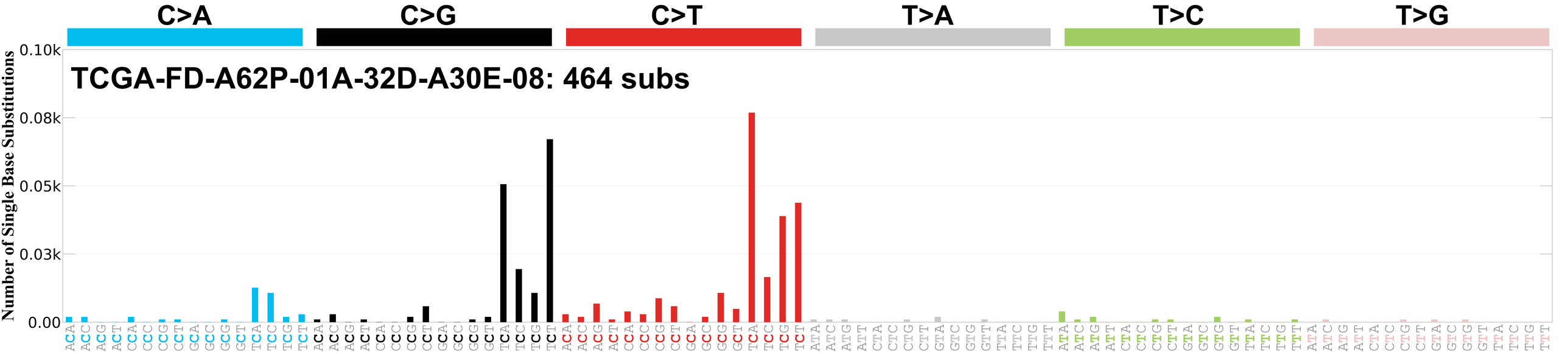

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5BZ-01A-11D-A289-08: 164 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

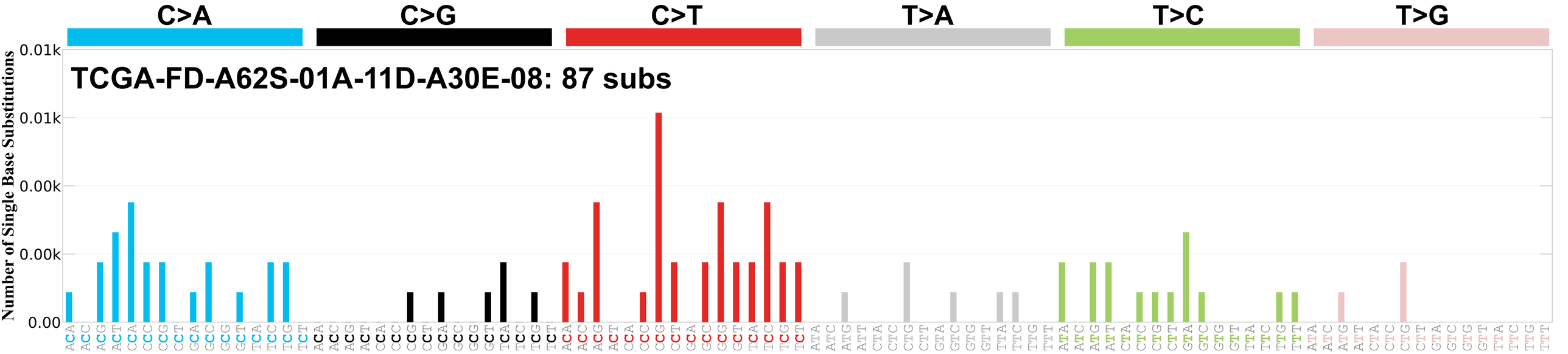

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5C0-01A-11D-A289-08: 158 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

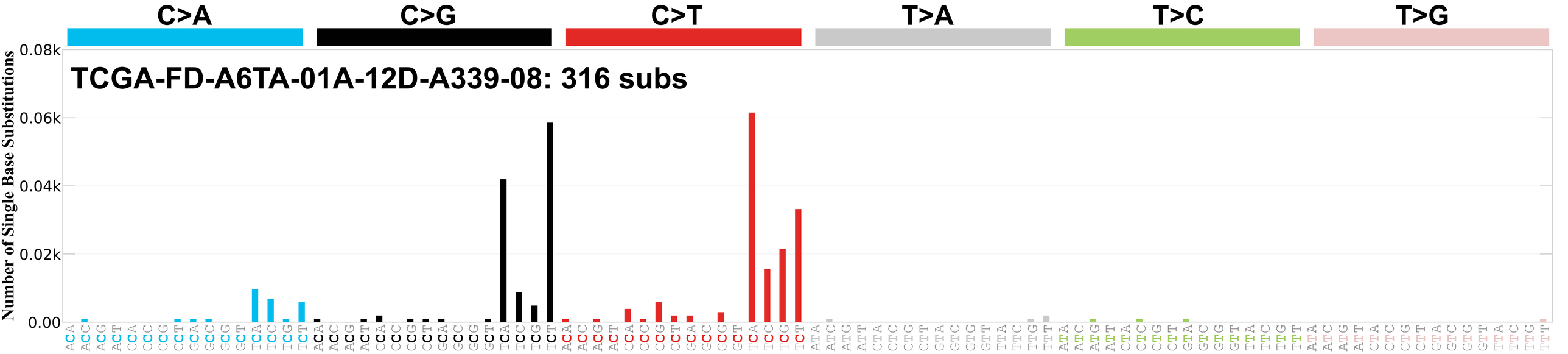

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A5C1-01A-11D-A289-08: 178 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

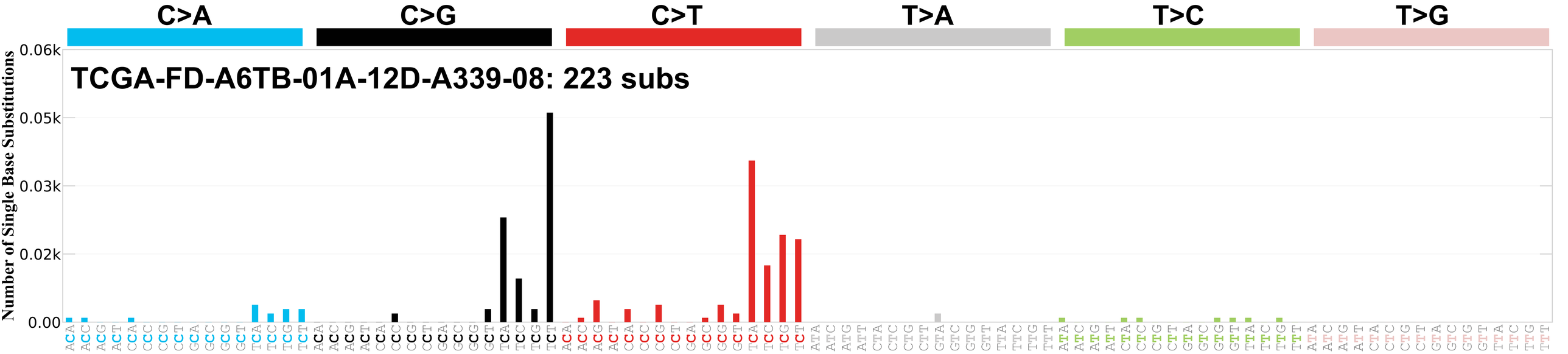

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A62N-01A-11D-A30E-08: 112 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

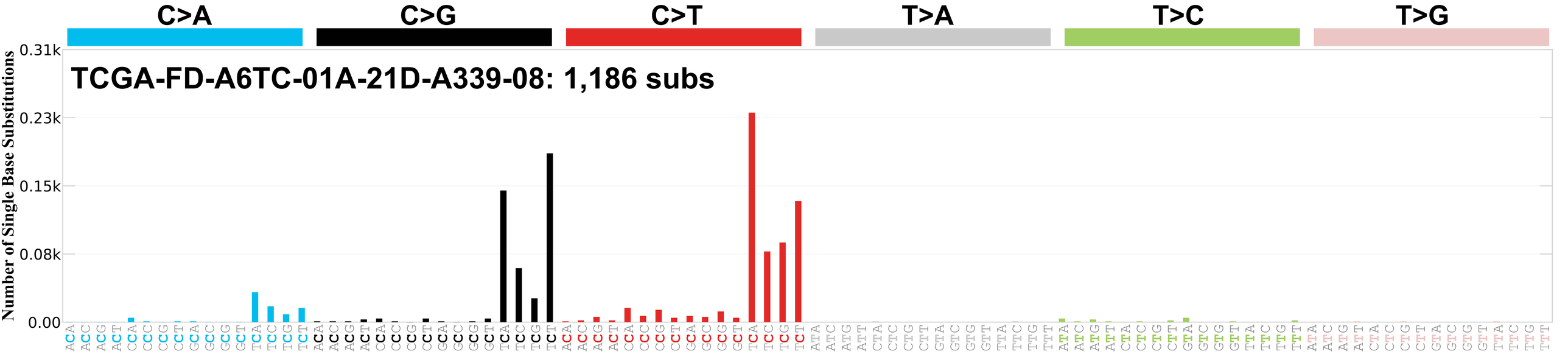

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A62O-01A-11D-A30E-08: 225 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

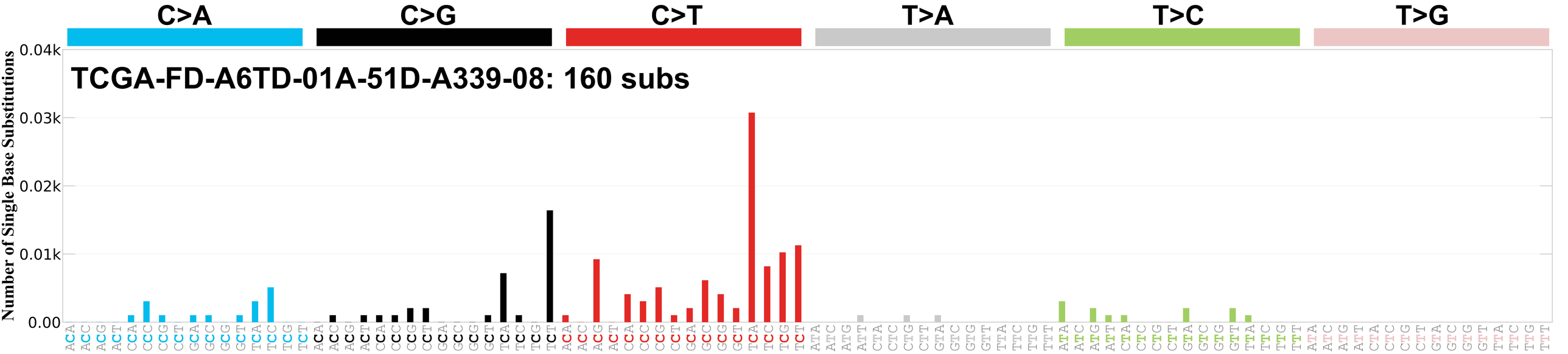

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A62P-01A-32D-A30E-08: 464 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00

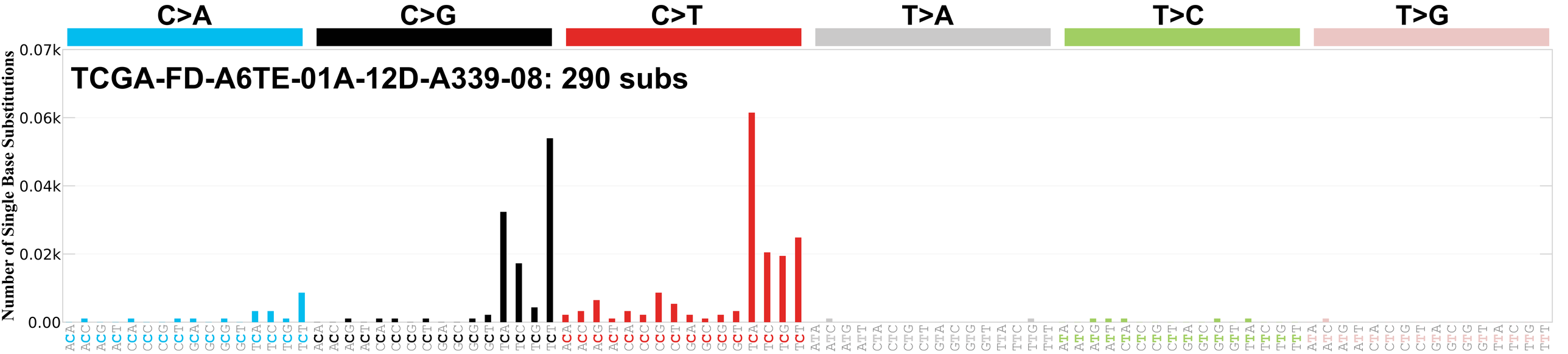

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A62S-01A-11D-A30E-08: 87 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

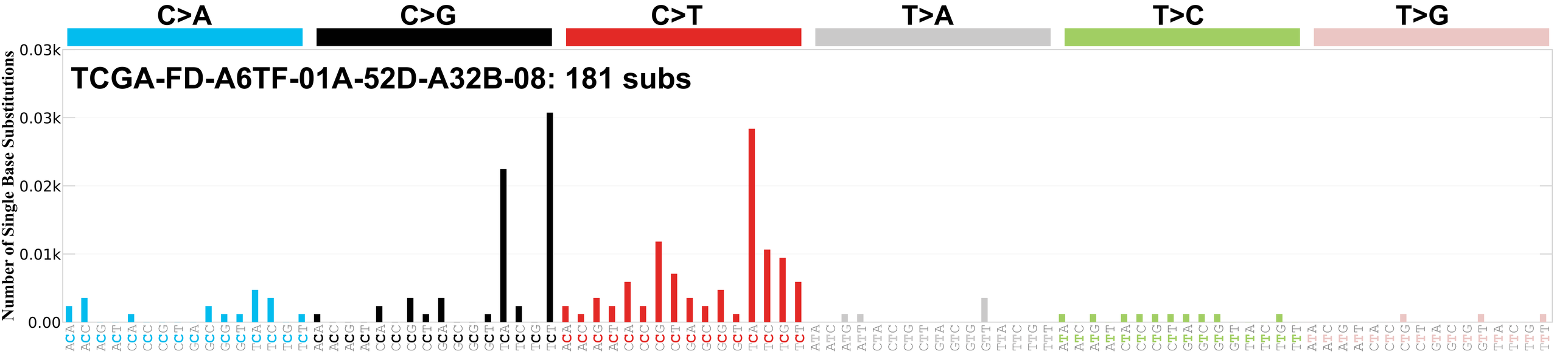

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TA-01A-12D-A339-08: 316 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

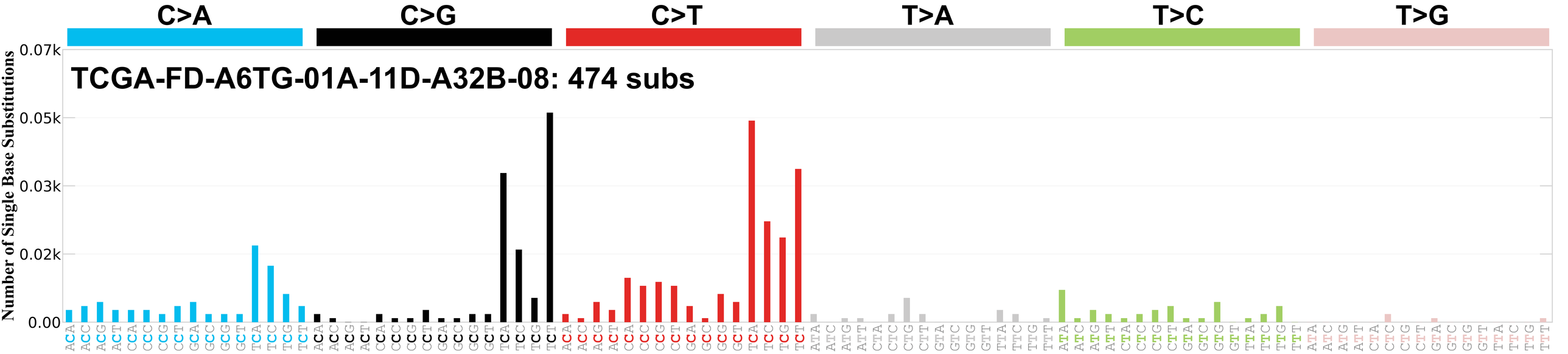

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TB-01A-12D-A339-08: 223 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

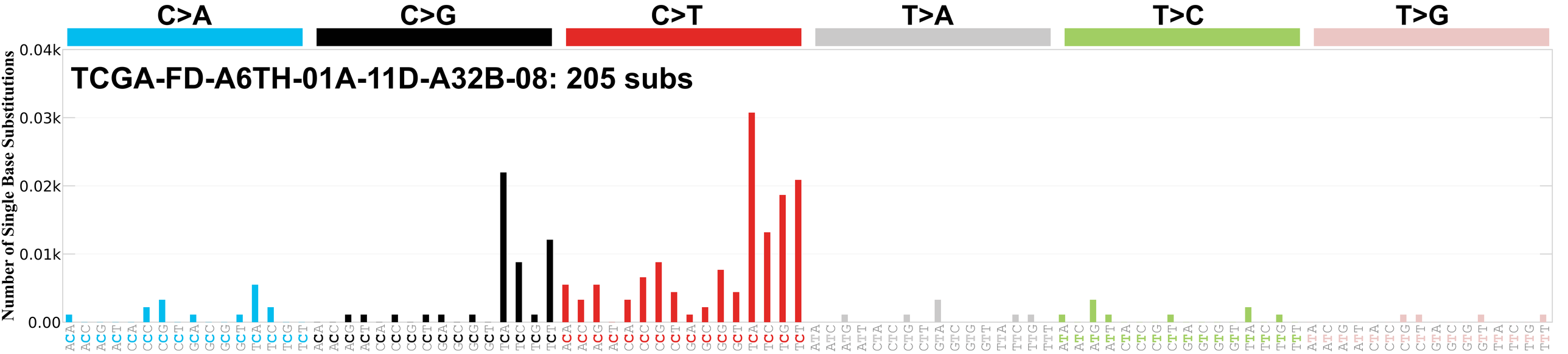

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TC-01A-21D-A339-08: 1,186 subs
Number of Single Base Substitutions
0.31k
0.23k
0.15k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

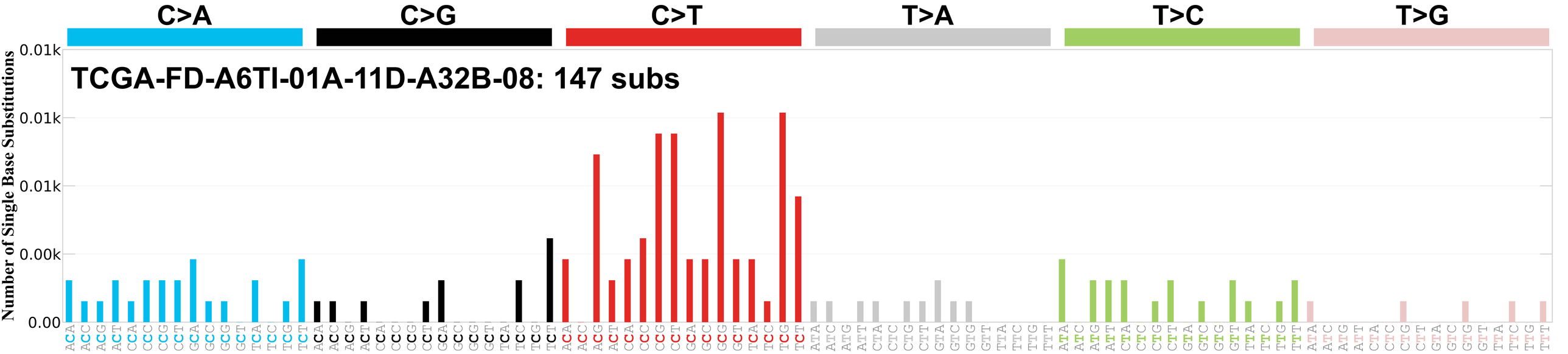

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TD-01A-51D-A339-08: 160 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

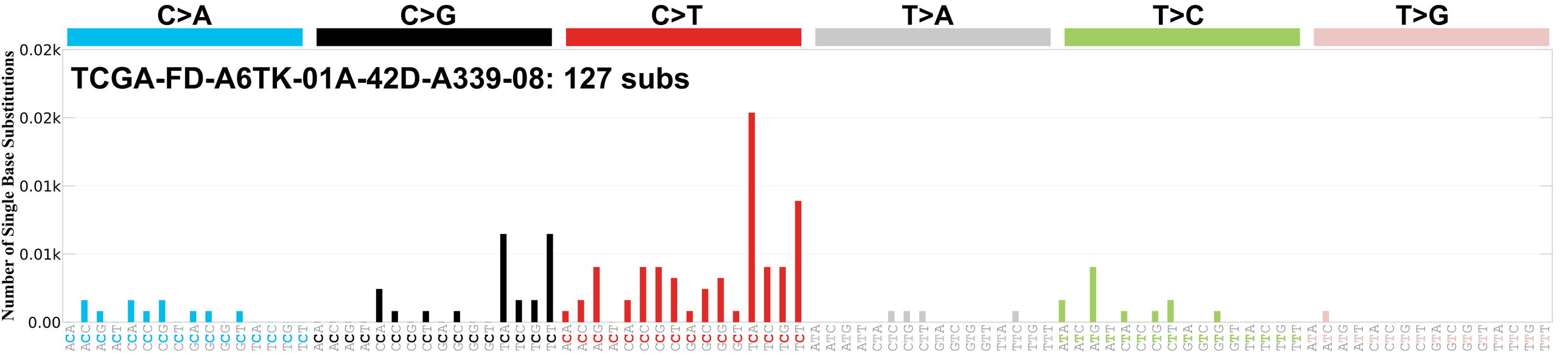

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TE-01A-12D-A339-08: 290 subs
Number of Single Base Substitutions
0.07k
0.06k
0.04k
0.02k
0.00

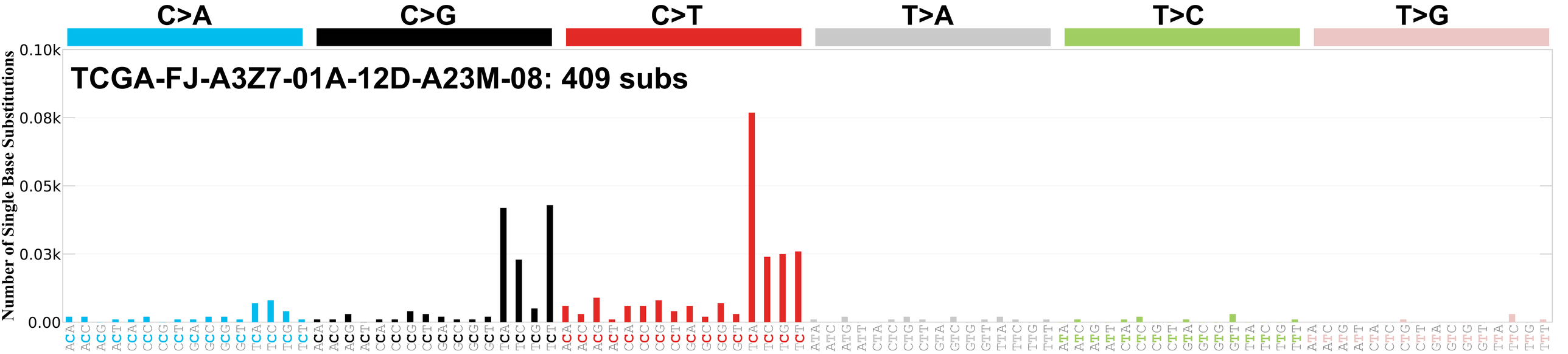

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TF-01A-52D-A32B-08: 181 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

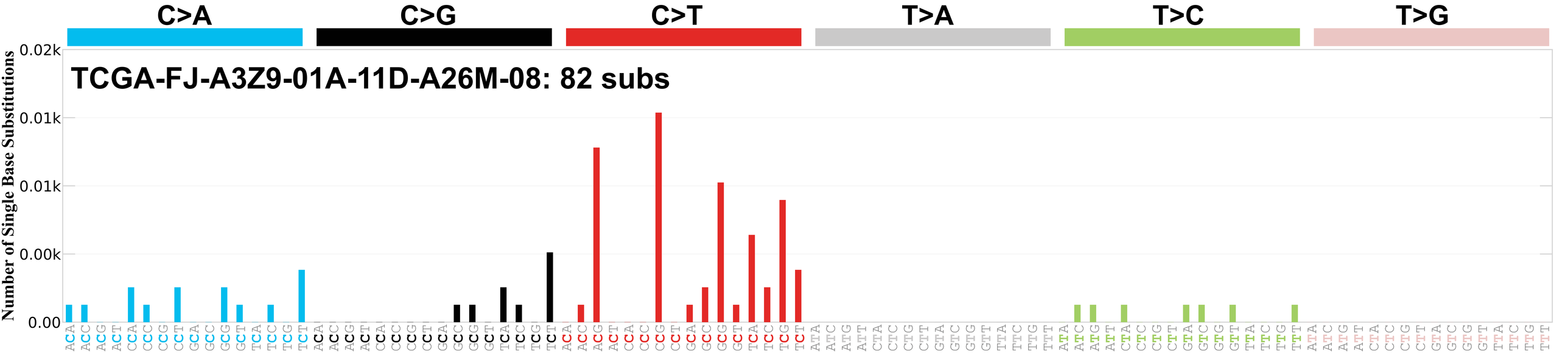

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TG-01A-11D-A32B-08: 474 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

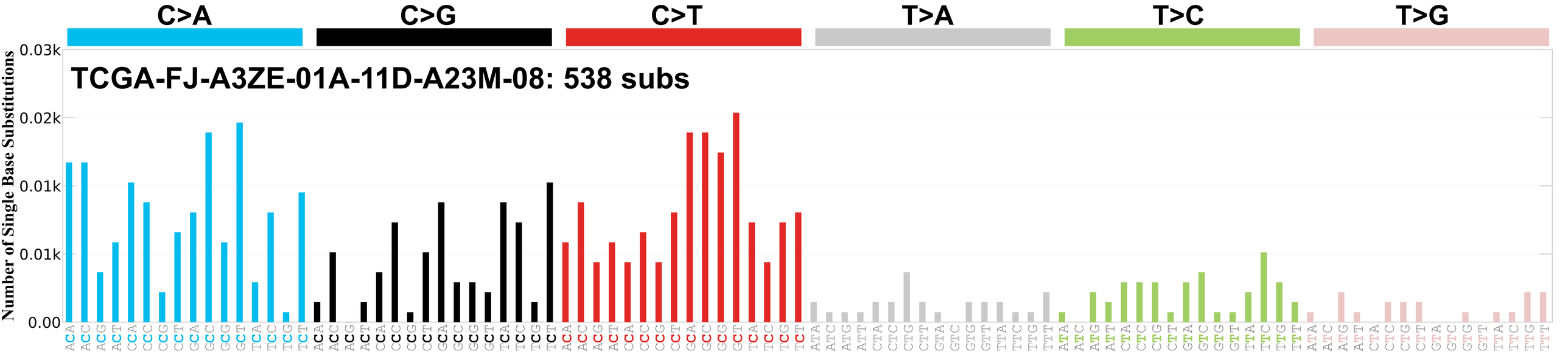

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TH-01A-11D-A32B-08: 205 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

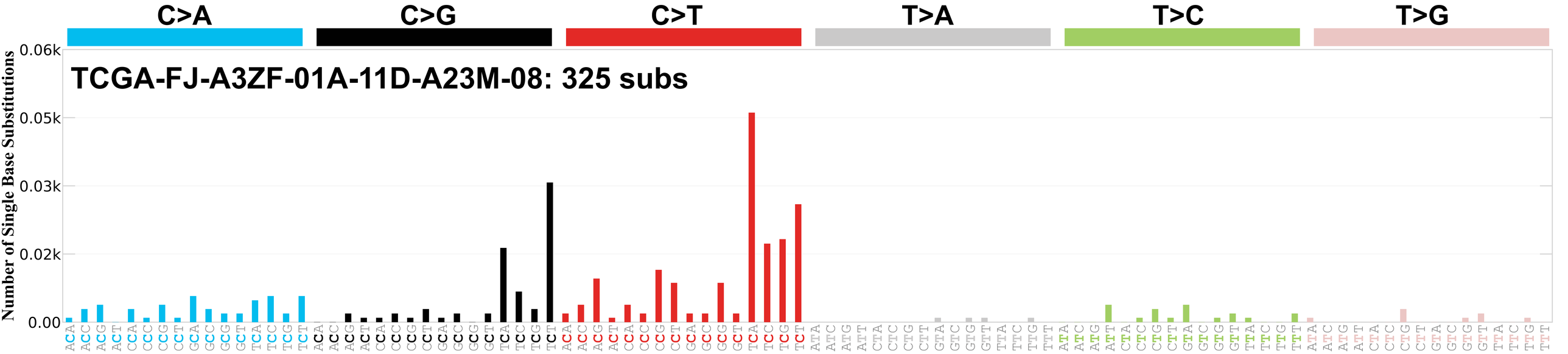

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TI-01A-11D-A32B-08: 147 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

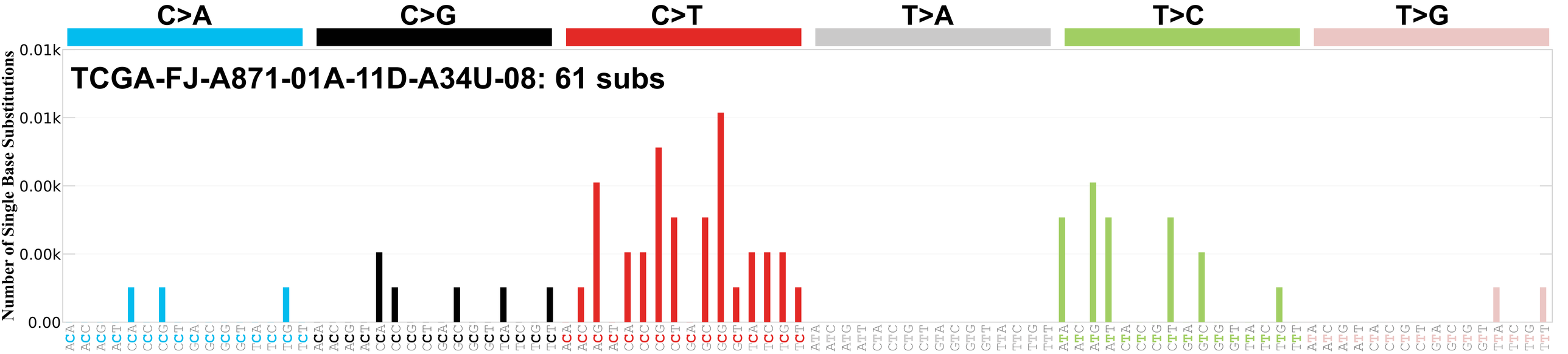

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FD-A6TK-01A-42D-A339-08: 127 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

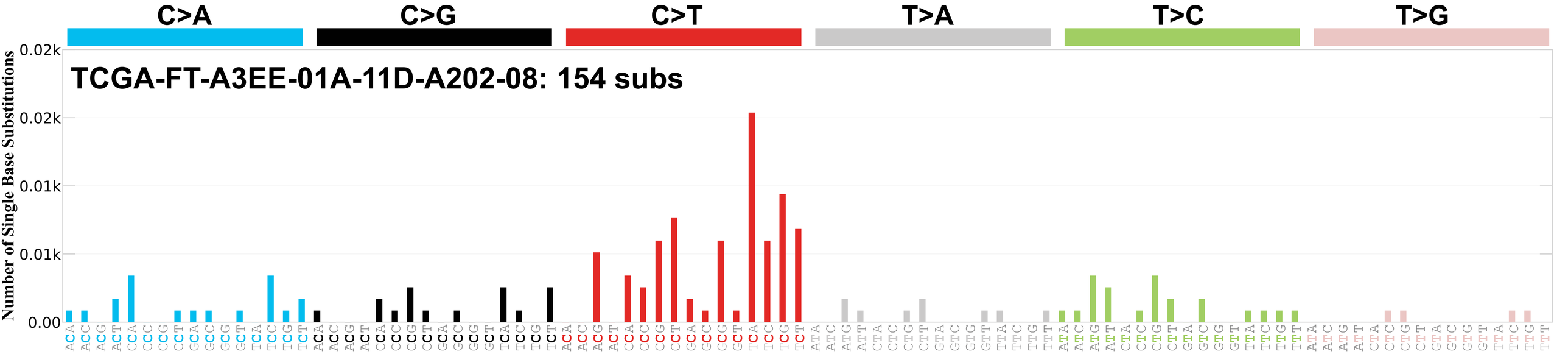

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FJ-A3Z7-01A-12D-A23M-08: 409 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

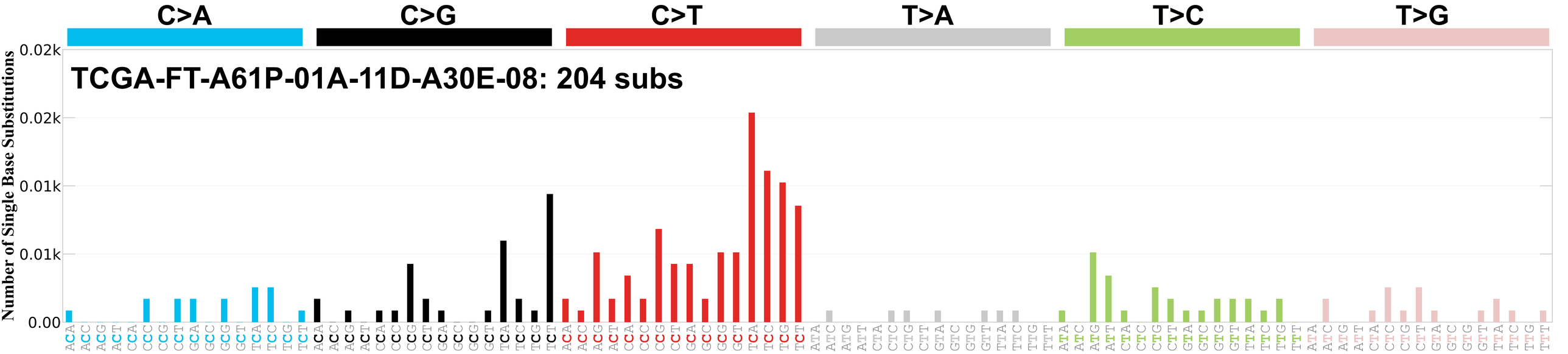

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FJ-A3Z9-01A-11D-A26M-08: 82 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

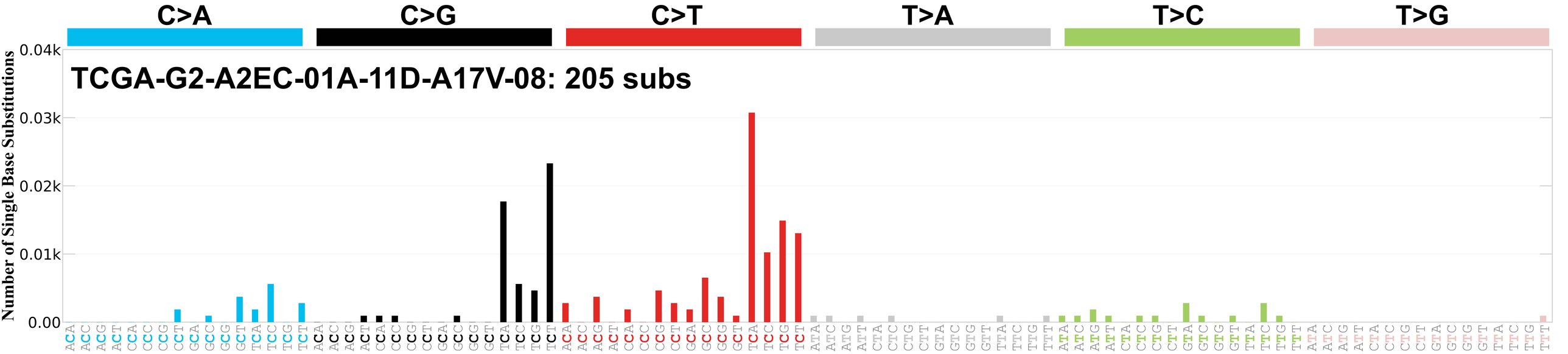

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FJ-A3ZE-01A-11D-A23M-08: 538 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

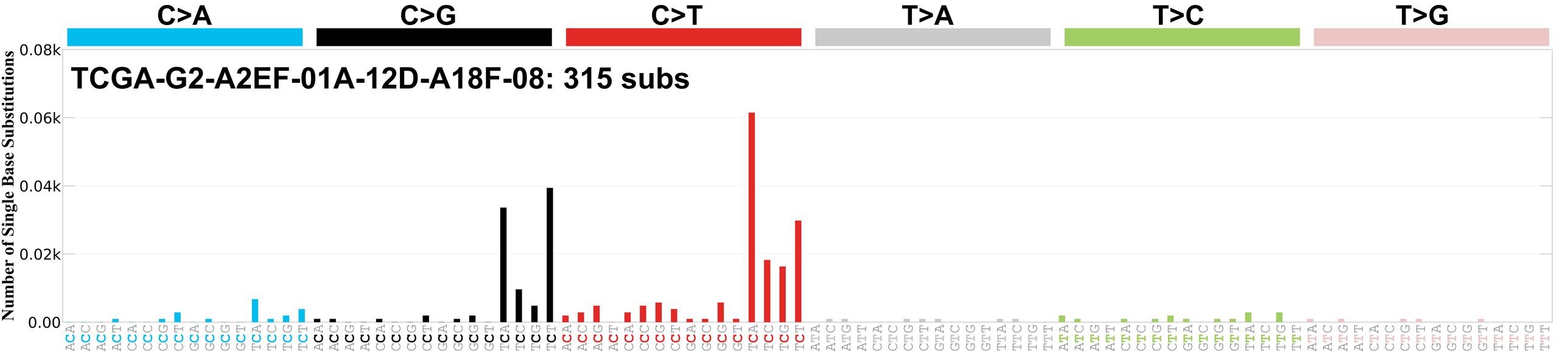

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FJ-A3ZF-01A-11D-A23M-08: 325 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

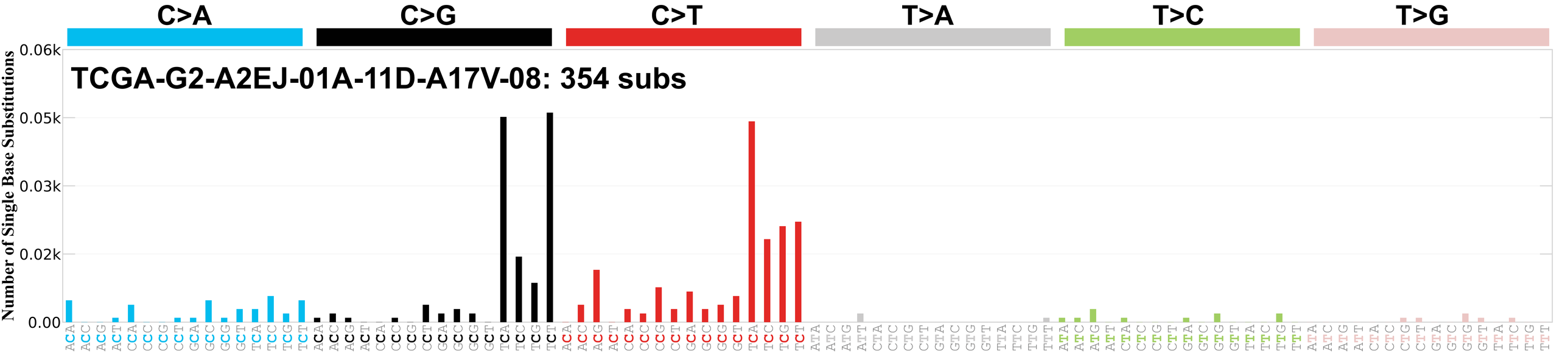

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FJ-A871-01A-11D-A34U-08: 61 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

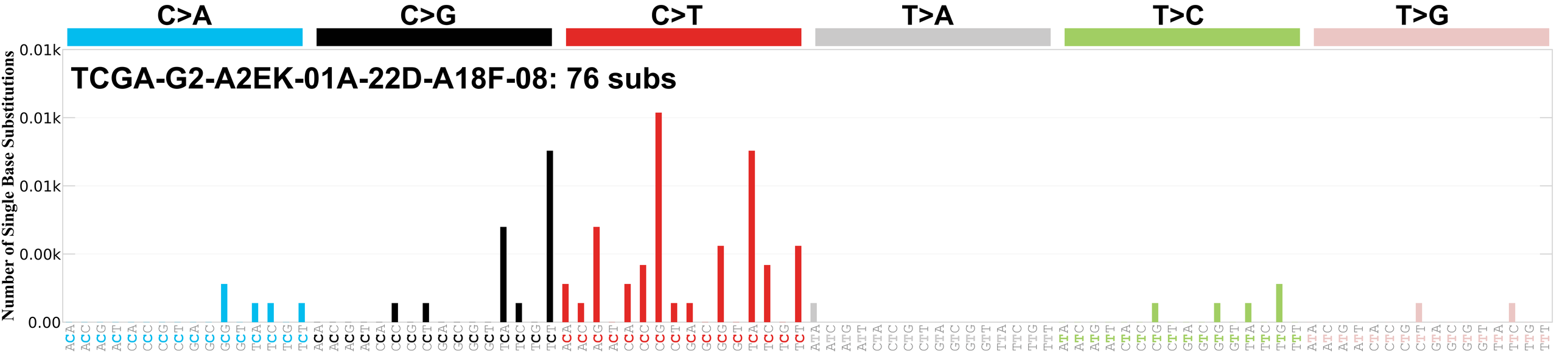

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FT-A3EE-01A-11D-A202-08: 154 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

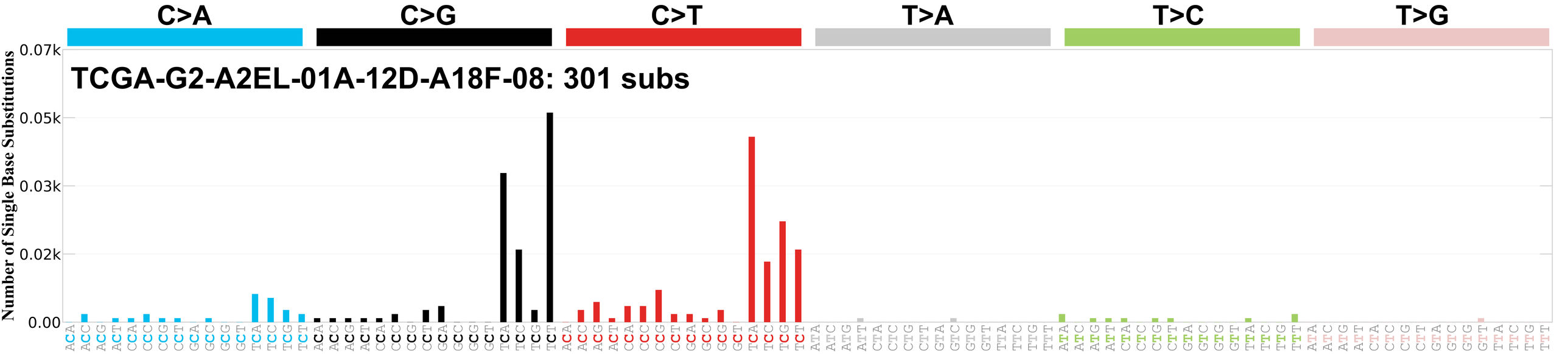

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-FT-A61P-01A-11D-A30E-08: 204 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

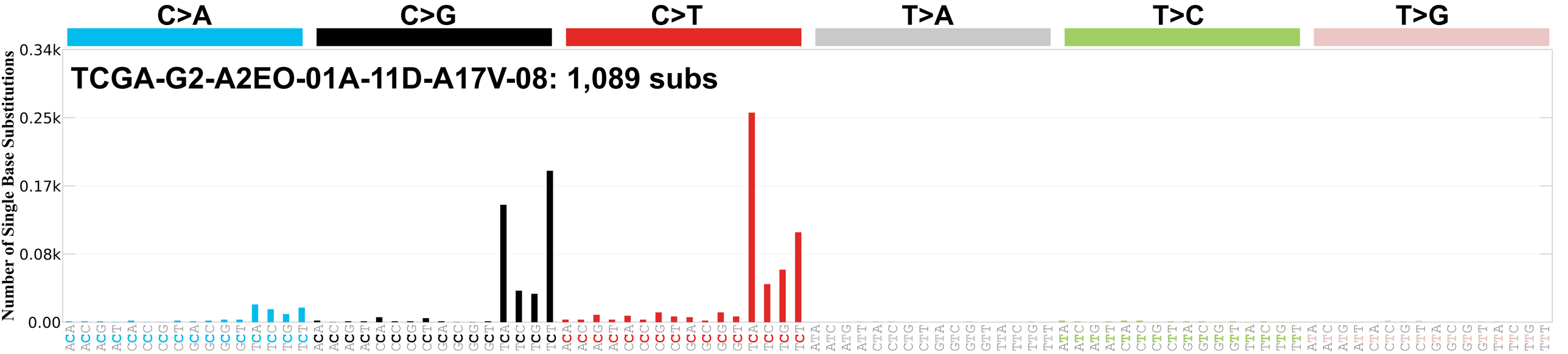

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EC-01A-11D-A17V-08: 205 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

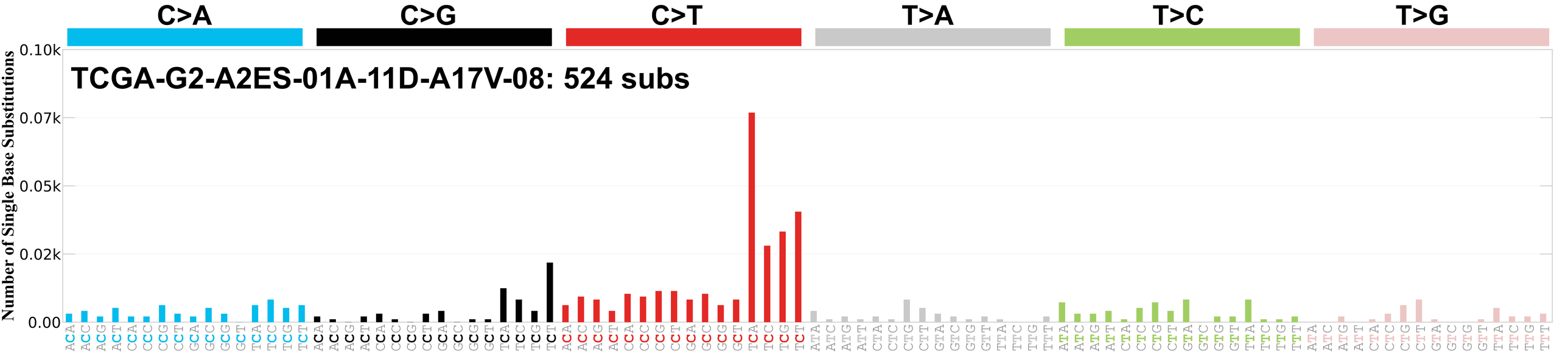

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EF-01A-12D-A18F-08: 315 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

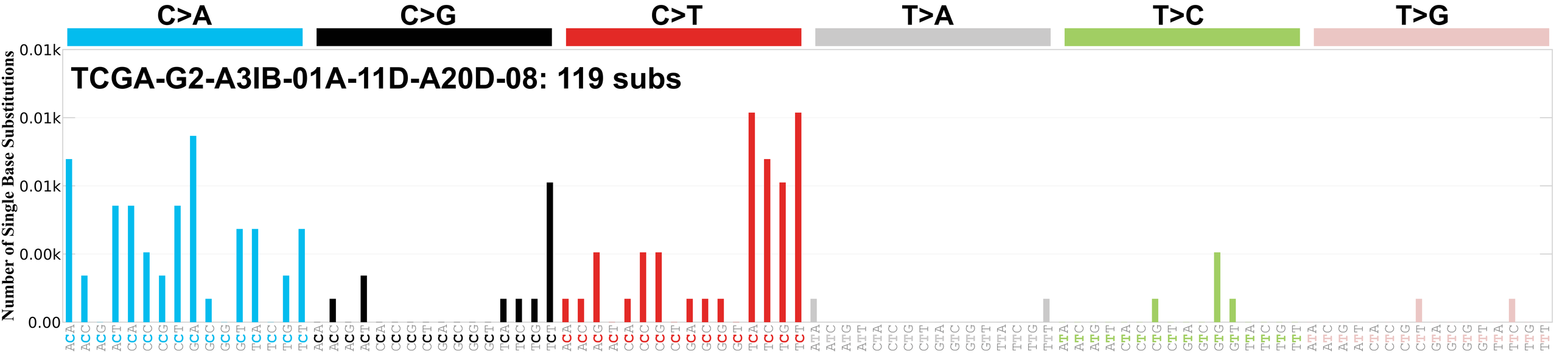

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EJ-01A-11D-A17V-08: 354 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

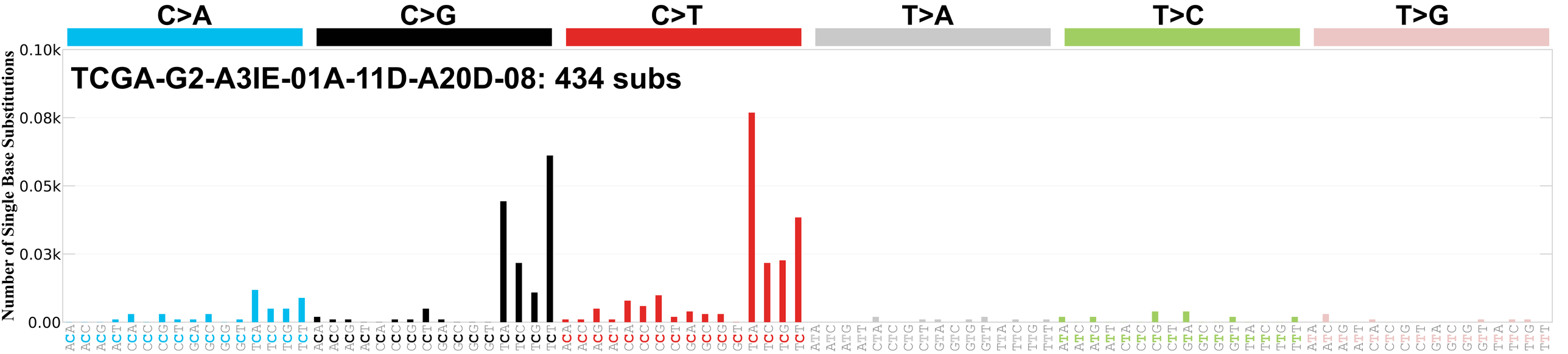

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EK-01A-22D-A18F-08: 76 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

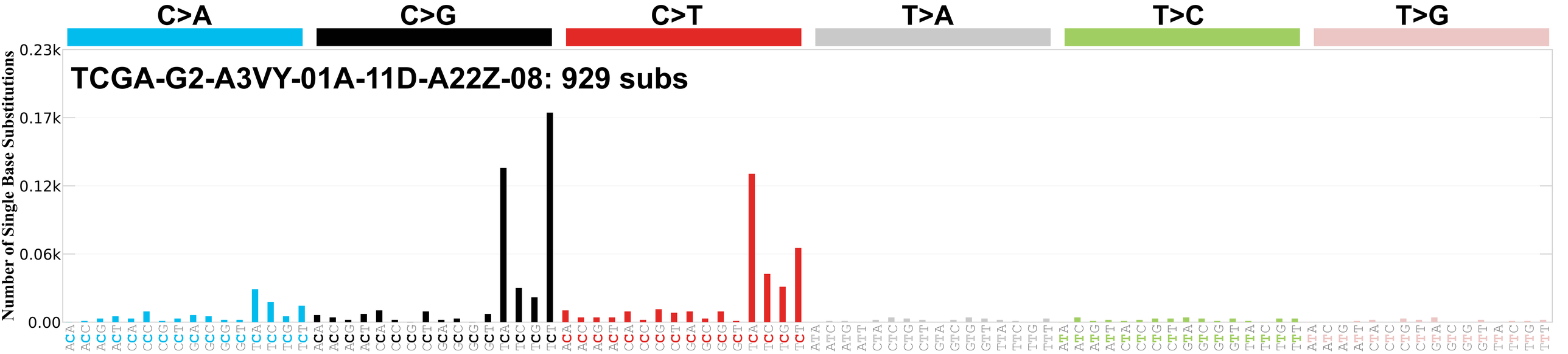

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EL-01A-12D-A18F-08: 301 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

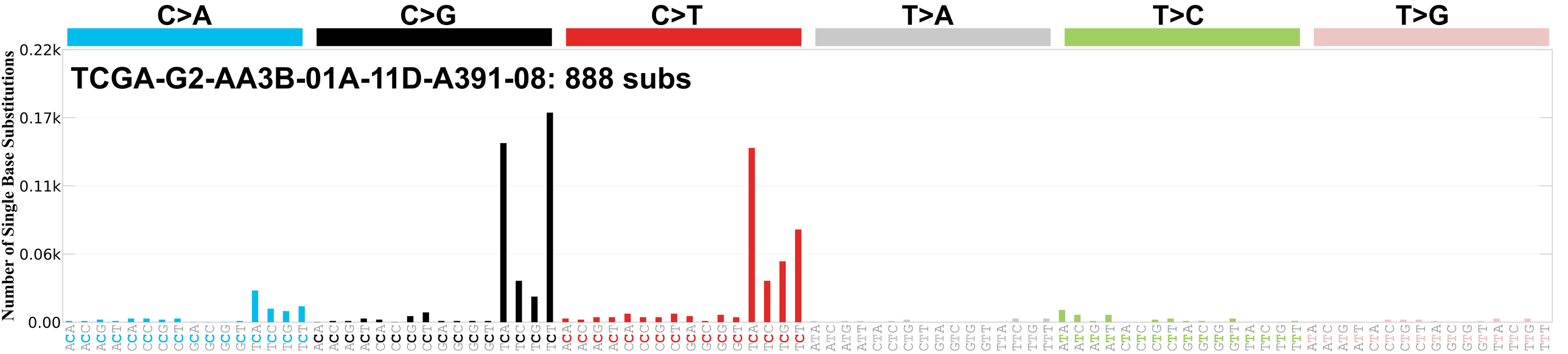

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2EO-01A-11D-A17V-08: 1,089 subs
Number of Single Base Substitutions
0.34k
0.25k
0.17k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

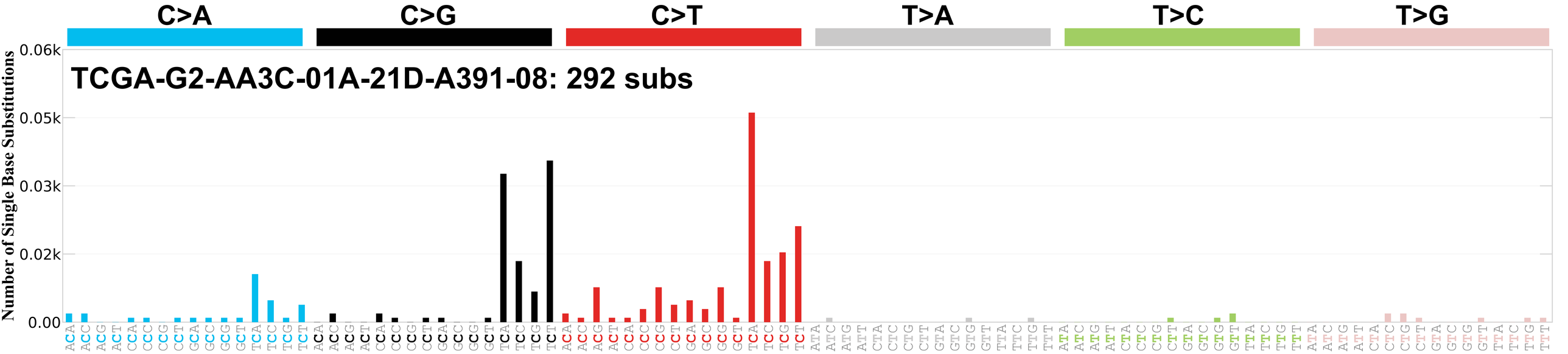

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A2ES-01A-11D-A17V-08: 524 subs
Number of Single Base Substitutions
0.10k
0.07k
0.05k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

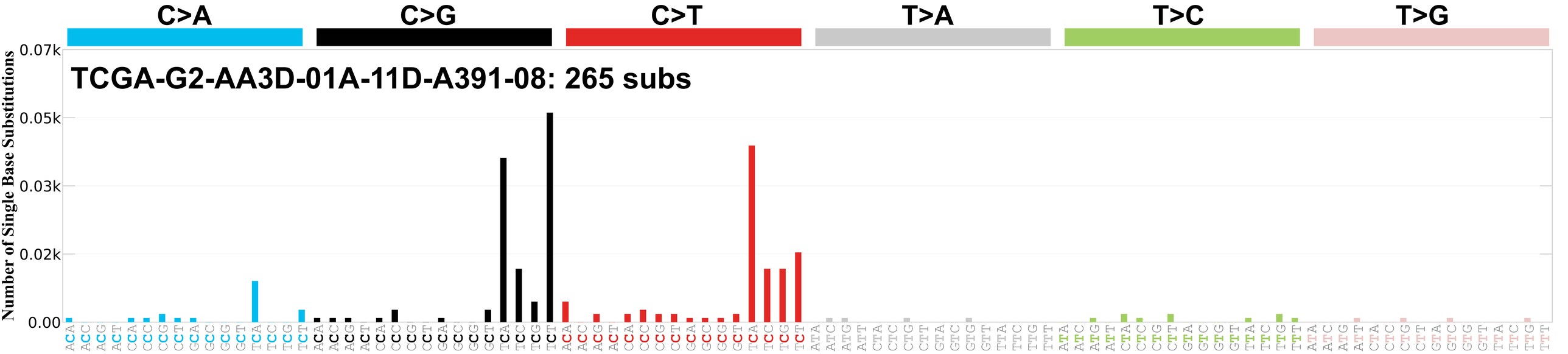

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A3IB-01A-11D-A20D-08: 119 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

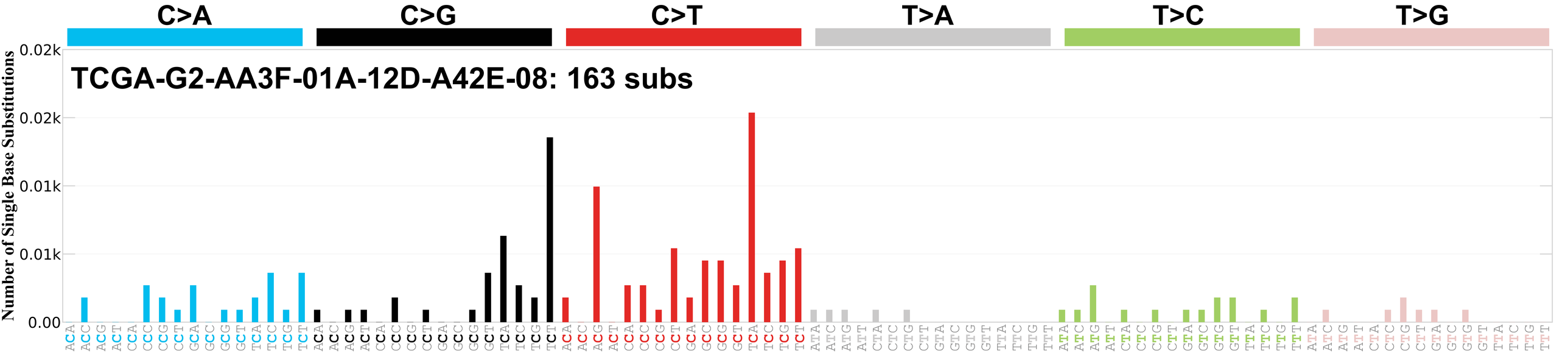

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A3IE-01A-11D-A20D-08: 434 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

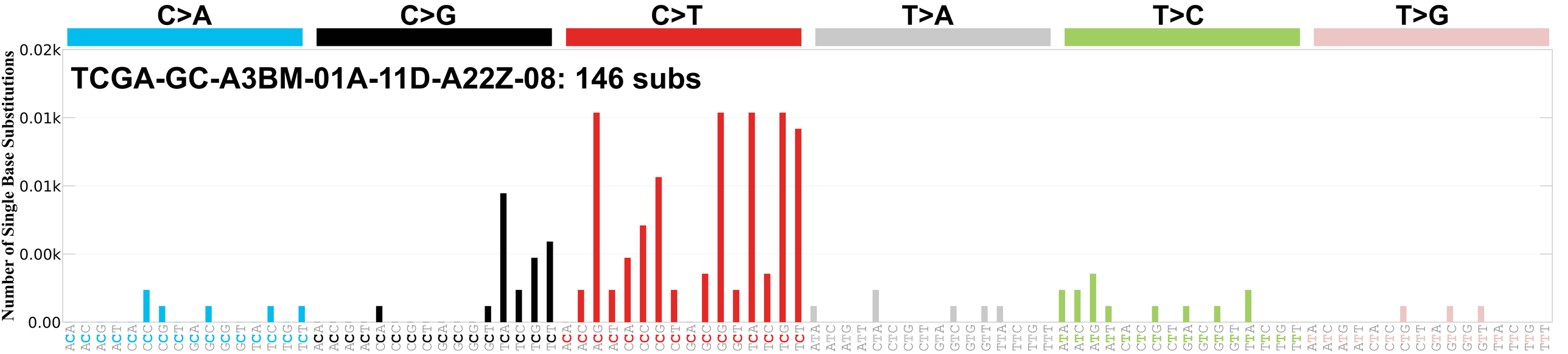

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-A3VY-01A-11D-A22Z-08: 929 subs
Number of Single Base Substitutions
0.23k
0.17k
0.12k
0.06k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

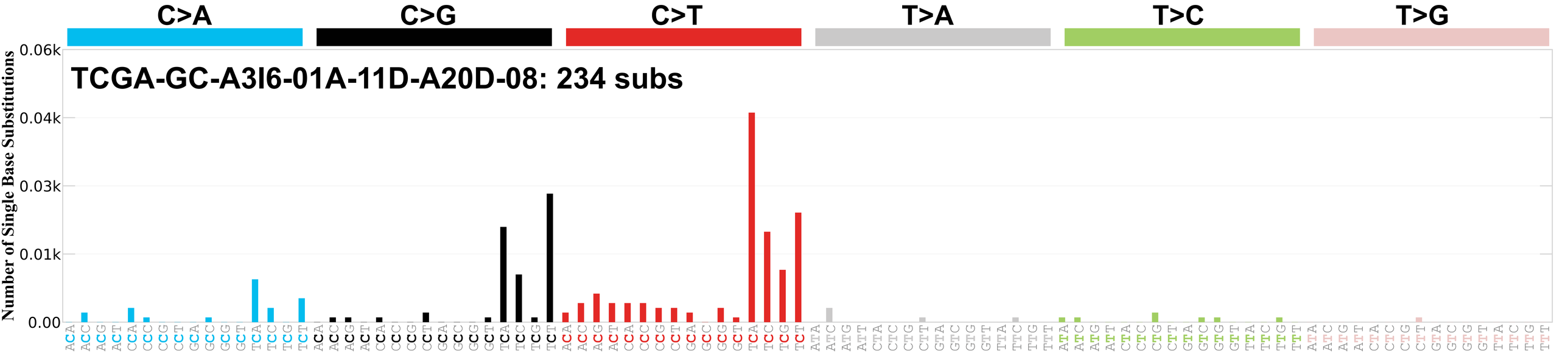

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-AA3B-01A-11D-A391-08: 888 subs
Number of Single Base Substitutions
0.22k
0.17k
0.11k
0.06k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

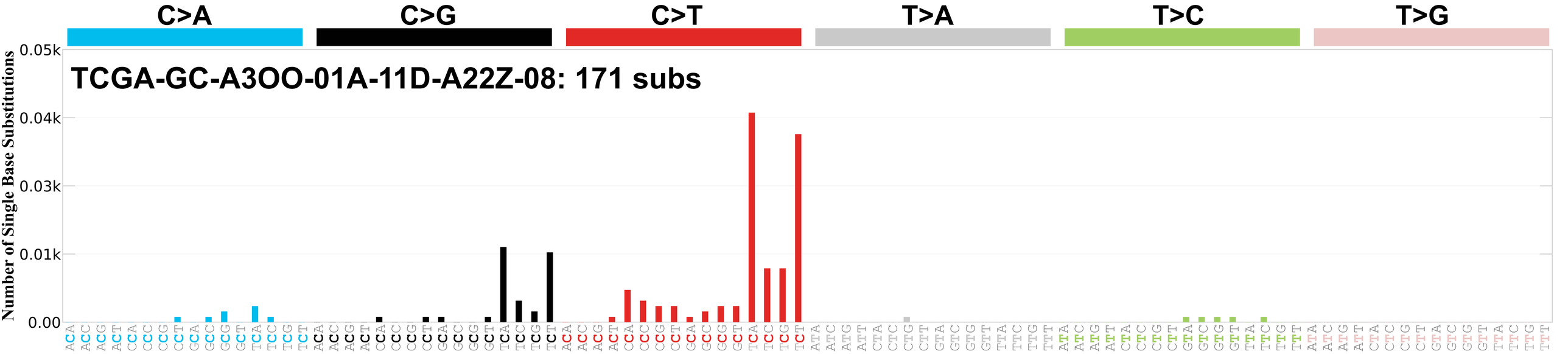

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-AA3C-01A-21D-A391-08: 292 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

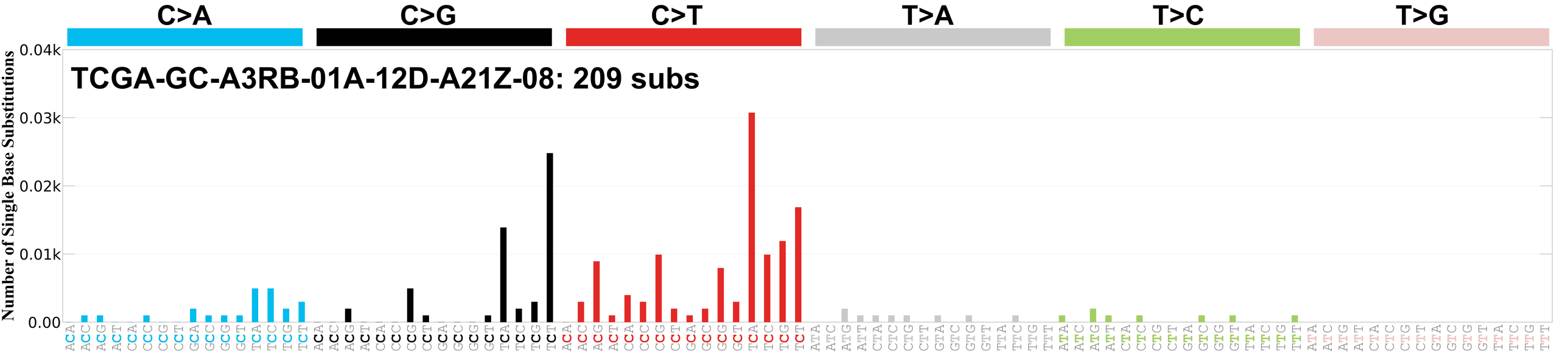

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-AA3D-01A-11D-A391-08: 265 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

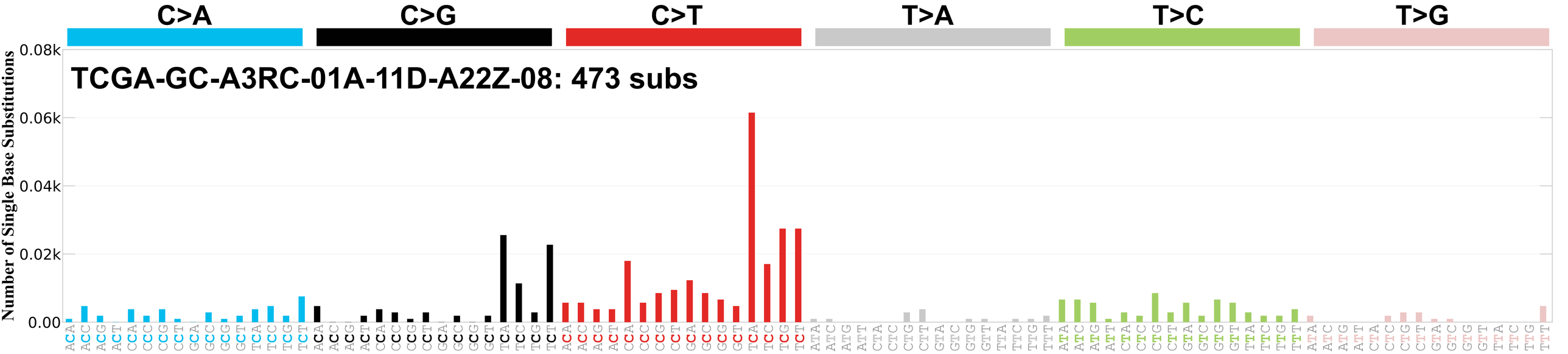

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-G2-AA3F-01A-12D-A42E-08: 163 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

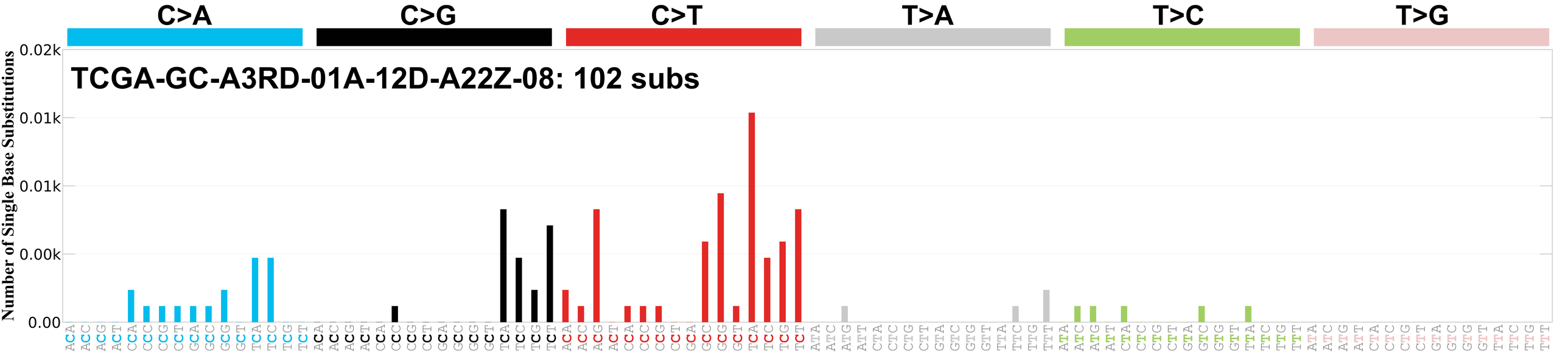

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3BM-01A-11D-A22Z-08: 146 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

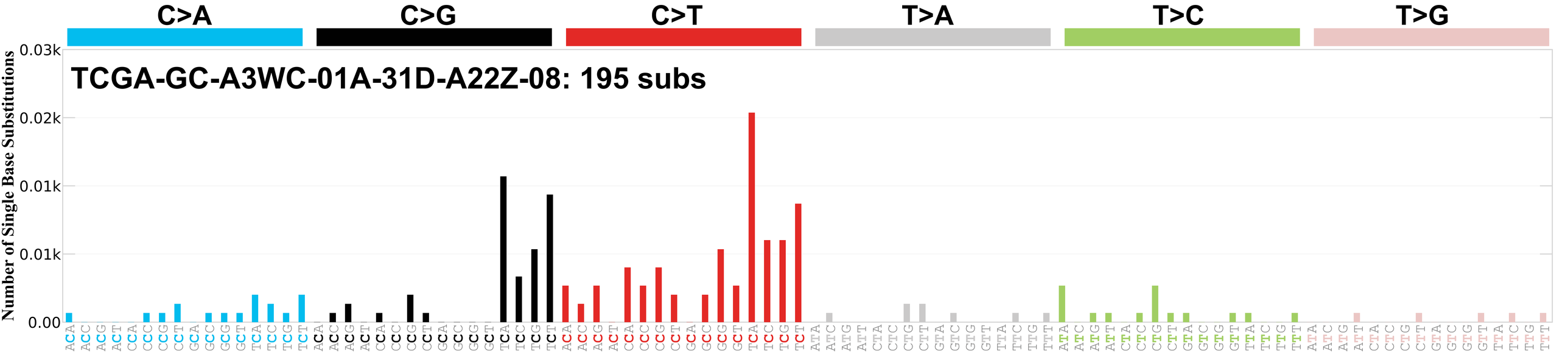

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3I6-01A-11D-A20D-08: 234 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

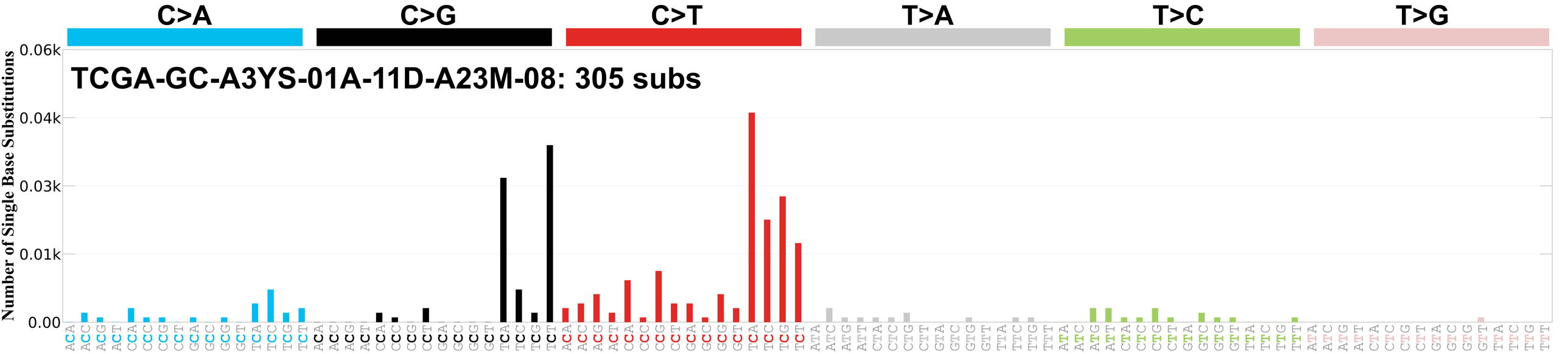

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3OO-01A-11D-A22Z-08: 171 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

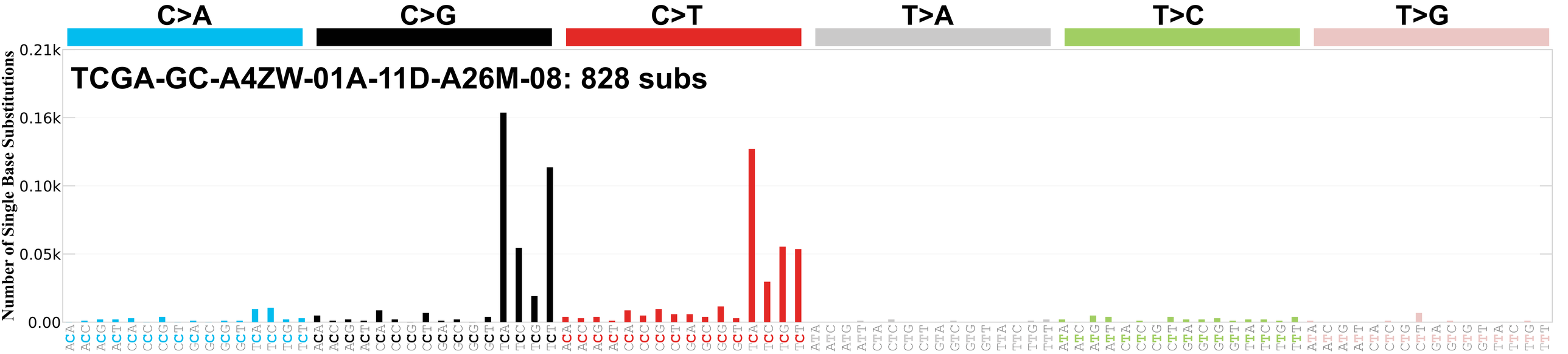

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3RB-01A-12D-A21Z-08: 209 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

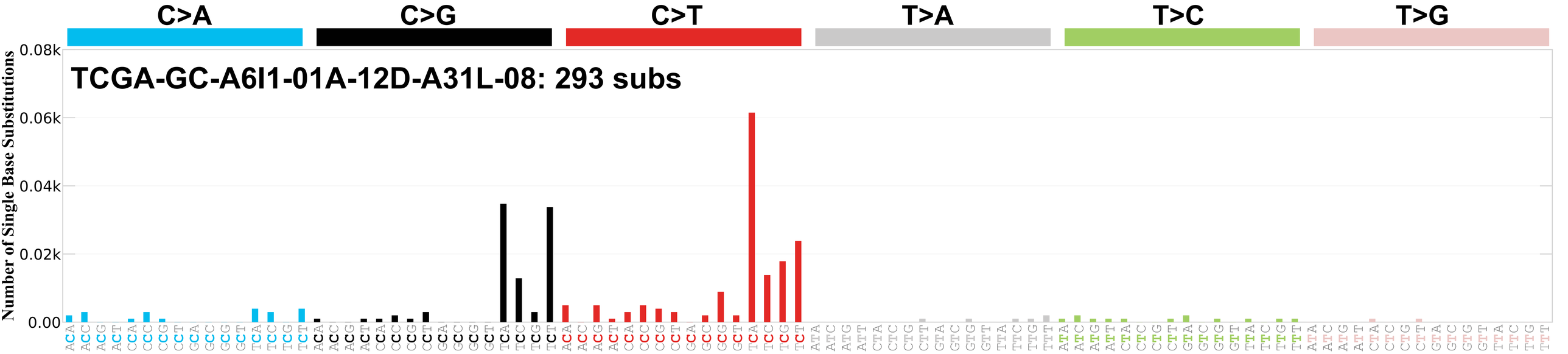

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3RC-01A-11D-A22Z-08: 473 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

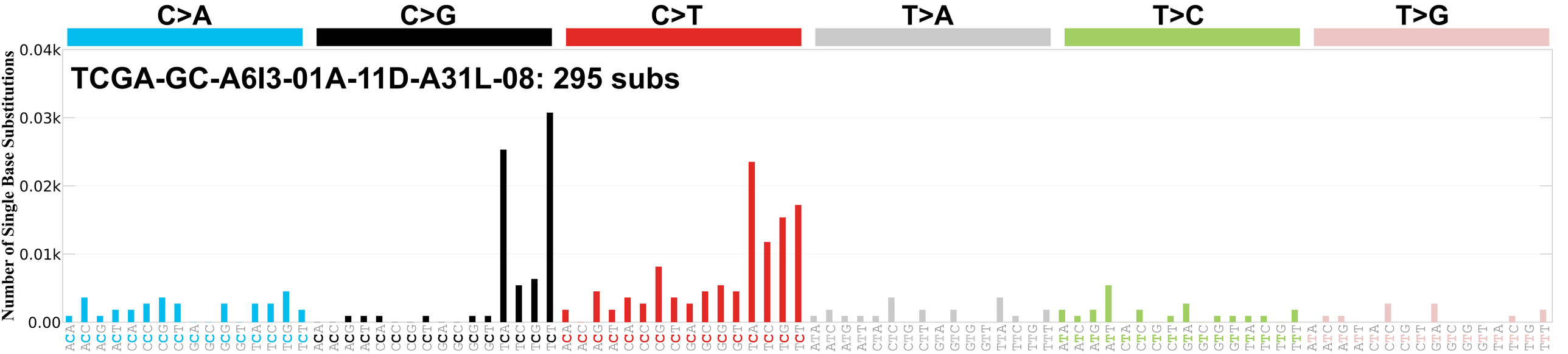

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3RD-01A-12D-A22Z-08: 102 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

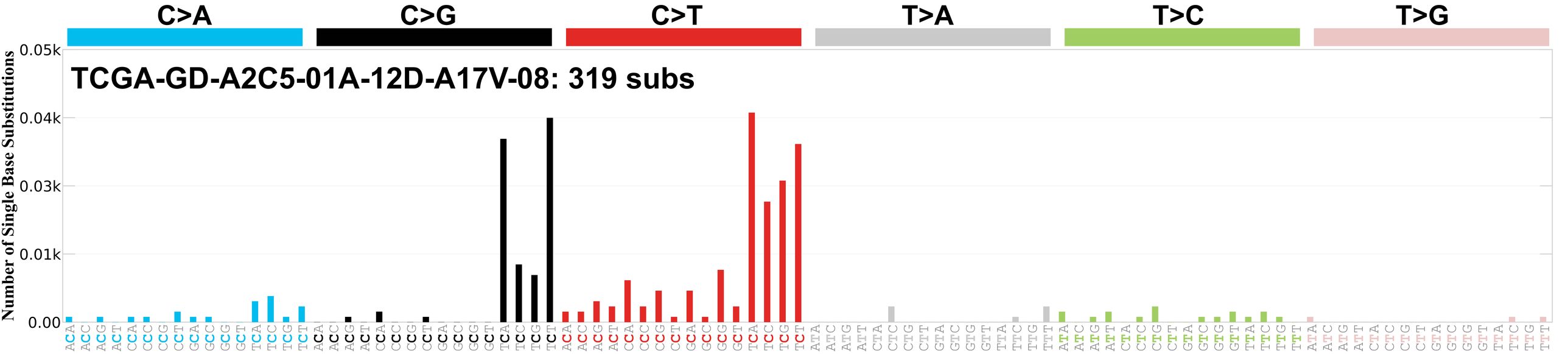

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3WC-01A-31D-A22Z-08: 195 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

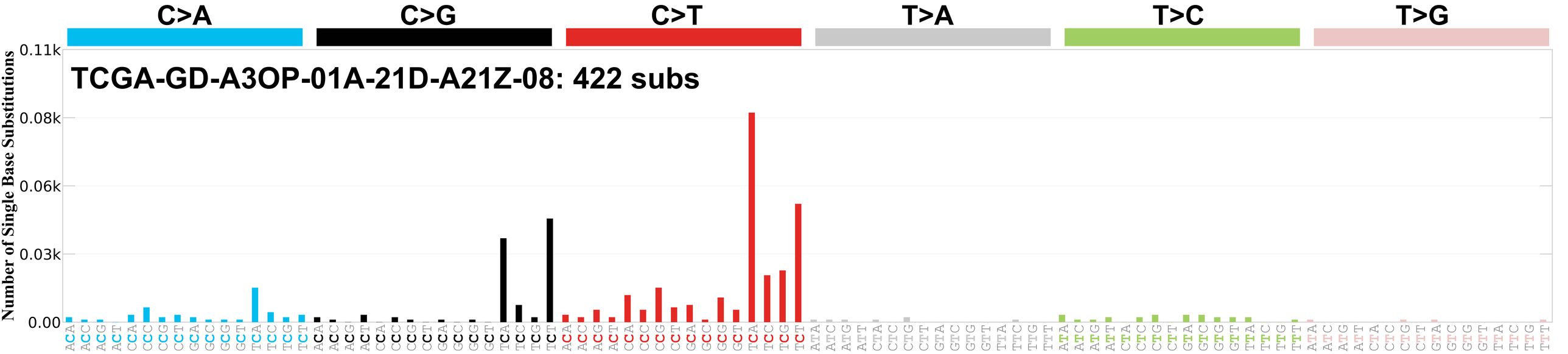

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A3YS-01A-11D-A23M-08: 305 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

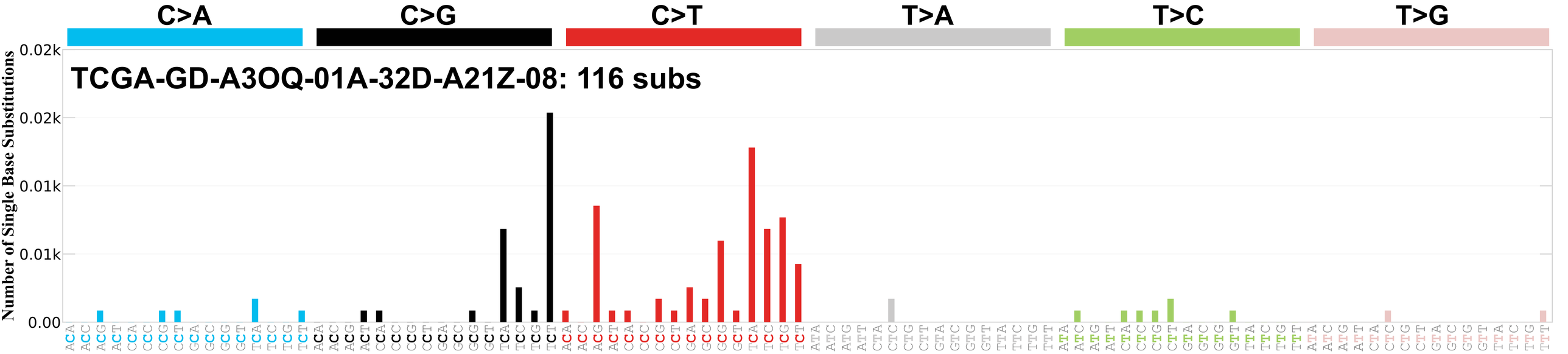

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A4ZW-01A-11D-A26M-08: 828 subs
Number of Single Base Substitutions
0.21k
0.16k
0.10k
0.05k
0.00

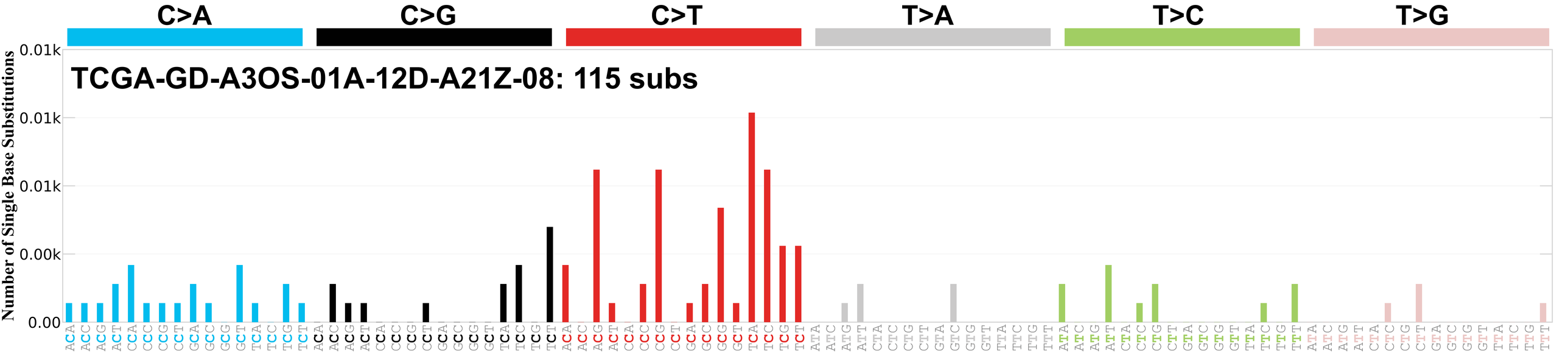

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A6I1-01A-12D-A31L-08: 293 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

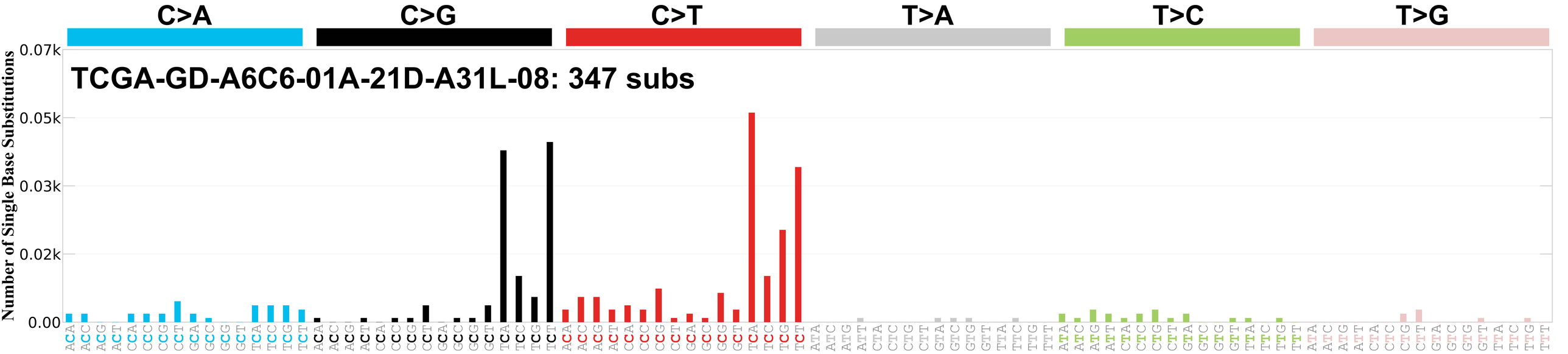

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GC-A6I3-01A-11D-A31L-08: 295 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

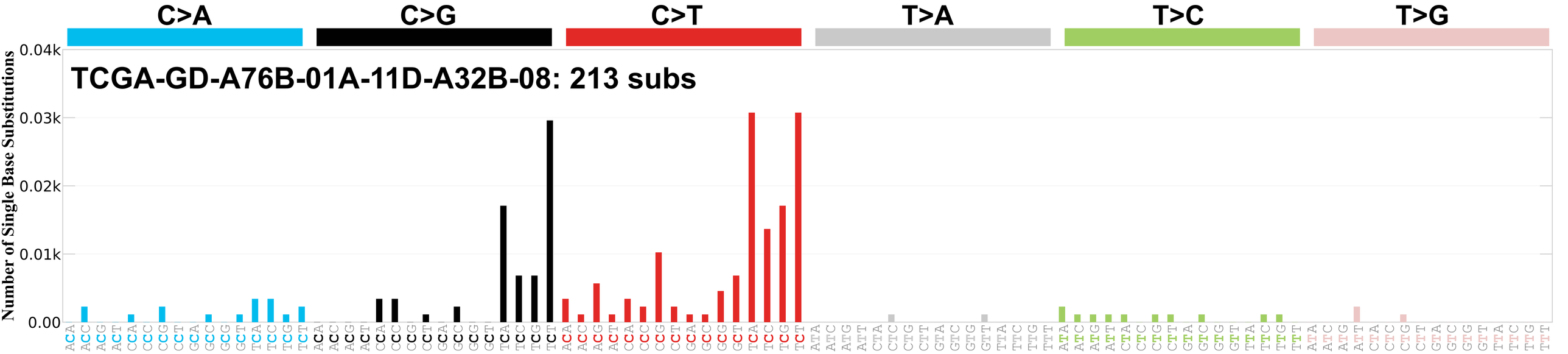

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A2C5-01A-12D-A17V-08: 319 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

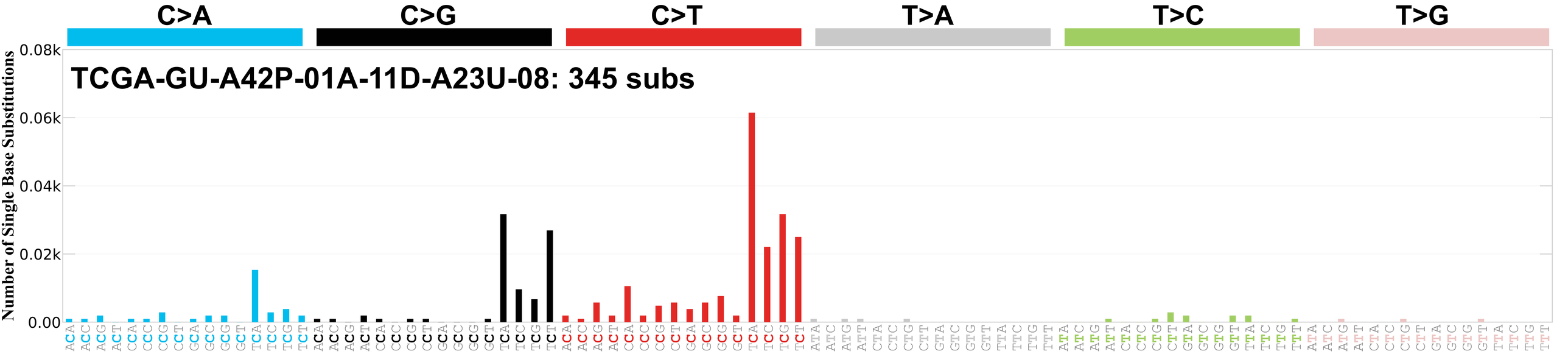

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A3OP-01A-21D-A21Z-08: 422 subs
Number of Single Base Substitutions
0.11k
0.08k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

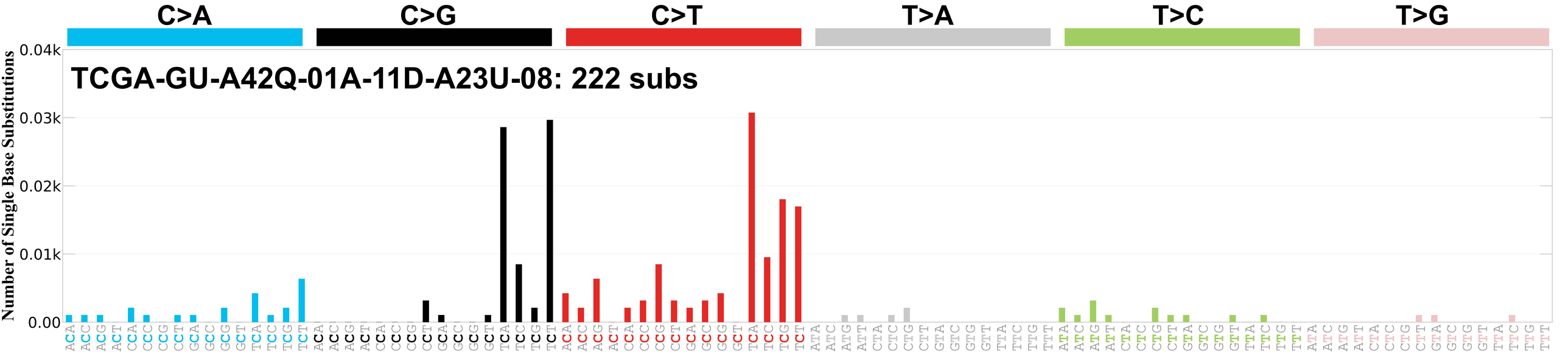

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A3OQ-01A-32D-A21Z-08: 116 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

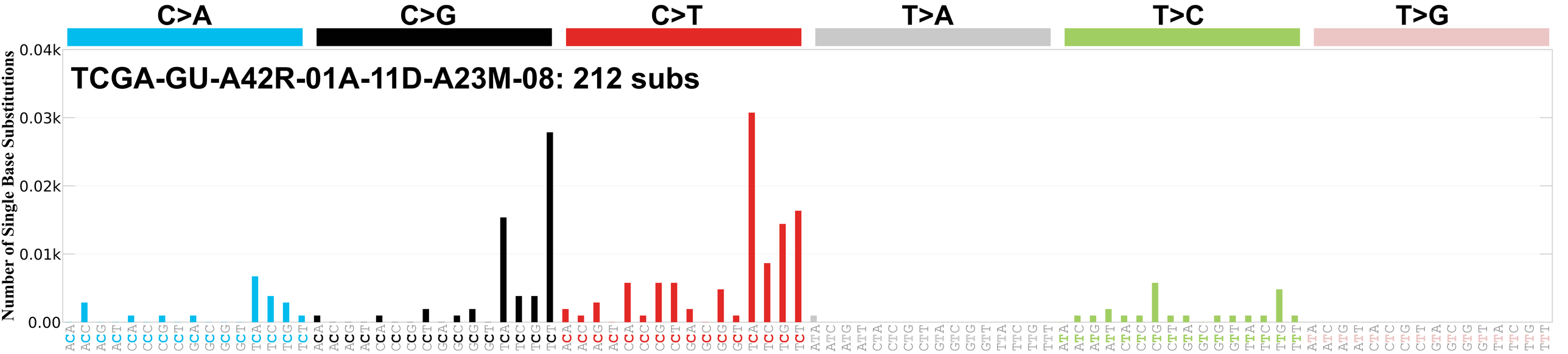

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A3OS-01A-12D-A21Z-08: 115 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

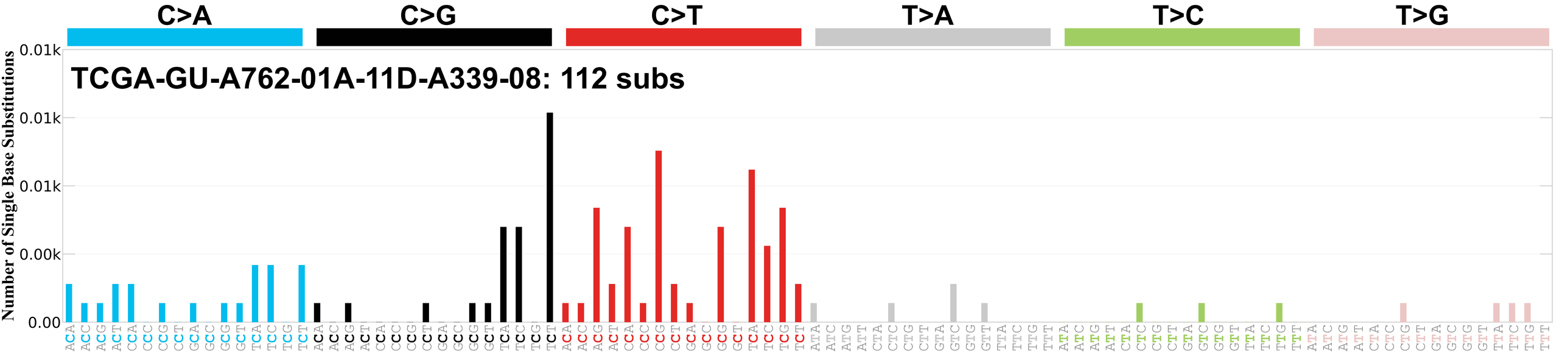

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A6C6-01A-21D-A31L-08: 347 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

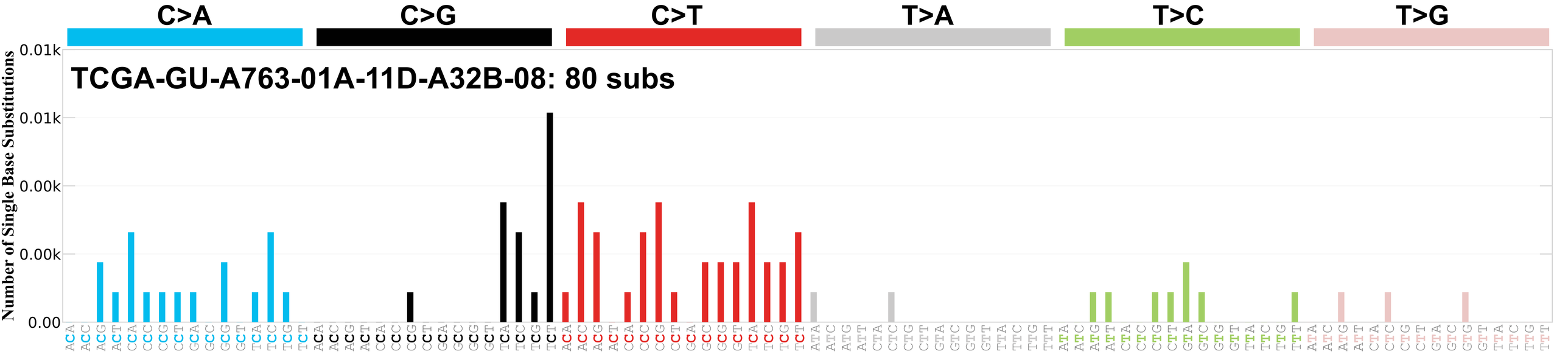

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GD-A76B-01A-11D-A32B-08: 213 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

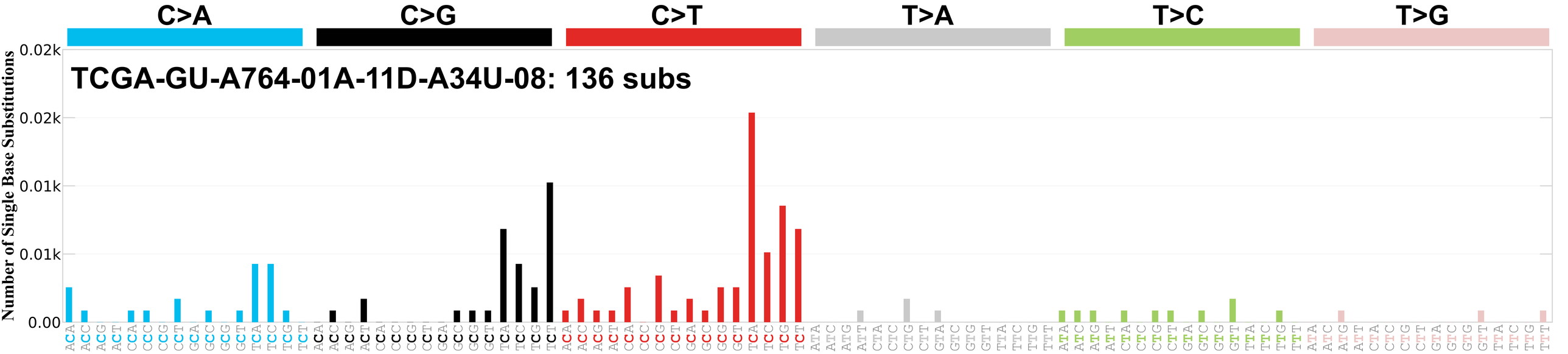

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A42P-01A-11D-A23U-08: 345 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

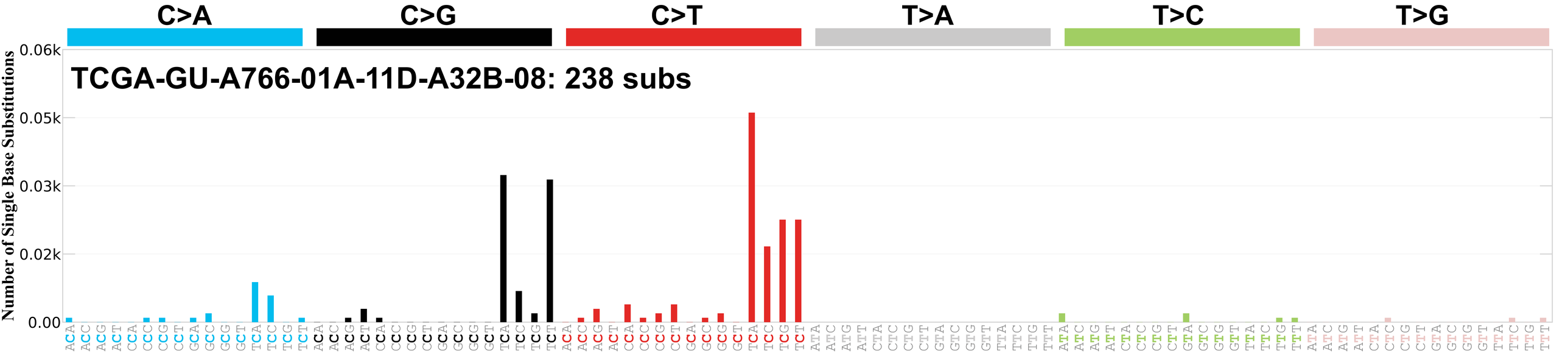

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A42Q-01A-11D-A23U-08: 222 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

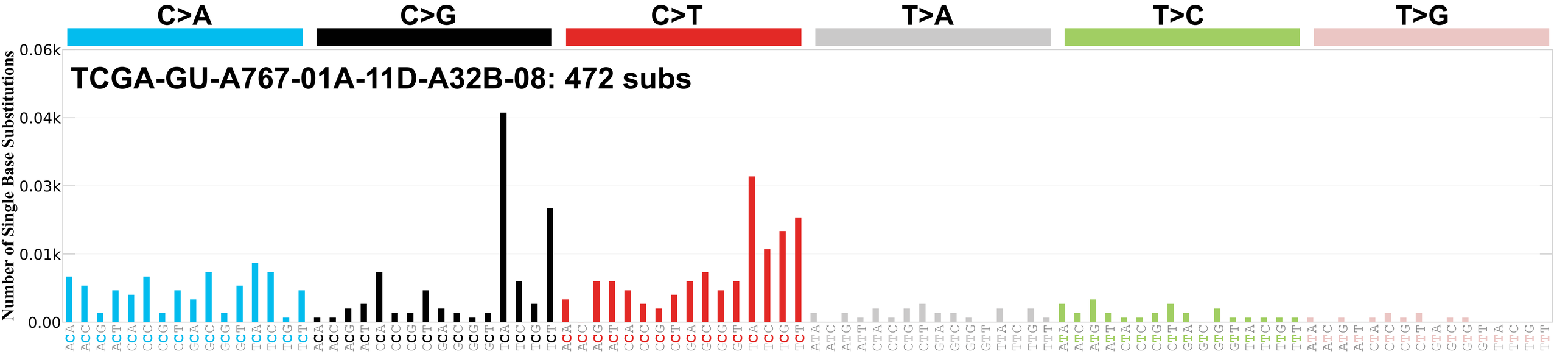

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A42R-01A-11D-A23M-08: 212 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

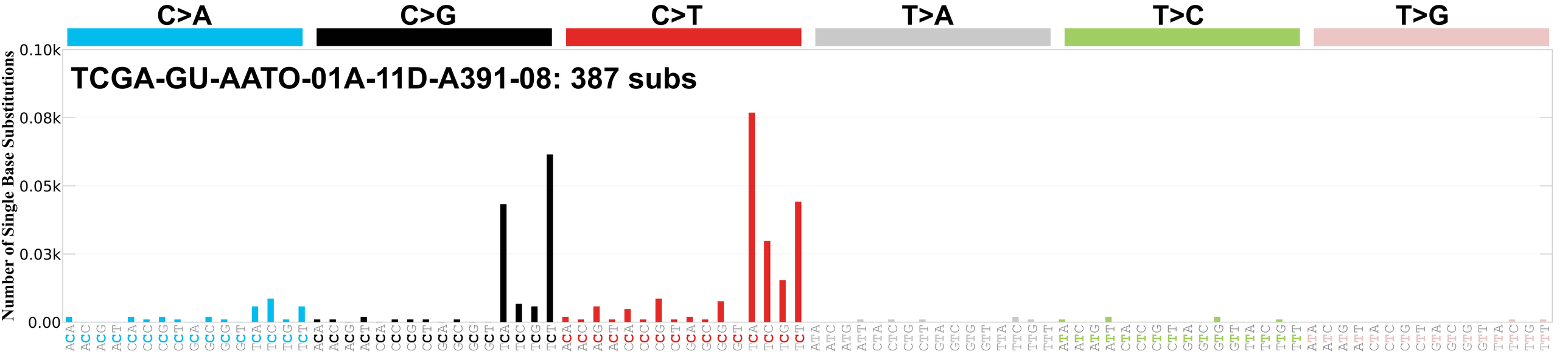

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A762-01A-11D-A339-08: 112 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

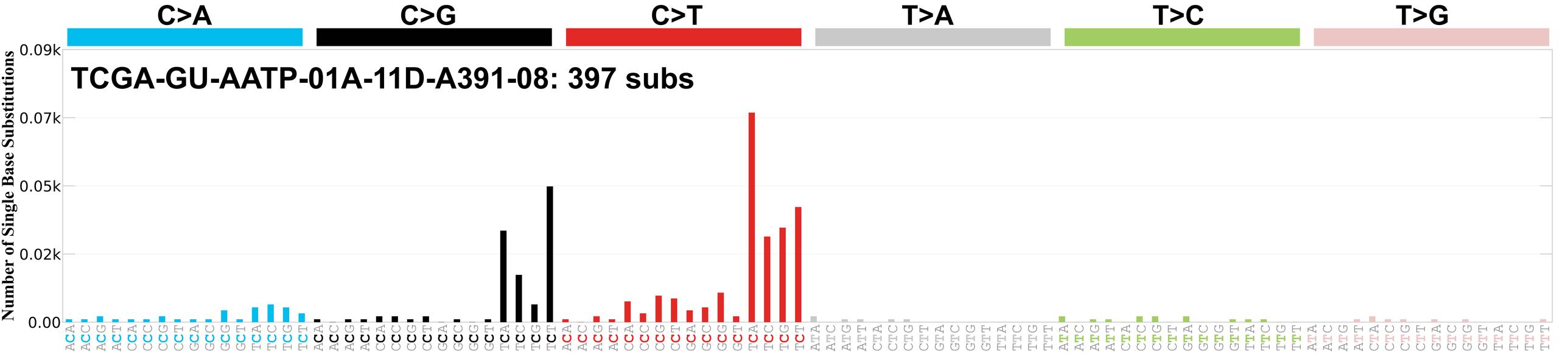

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A763-01A-11D-A32B-08: 80 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

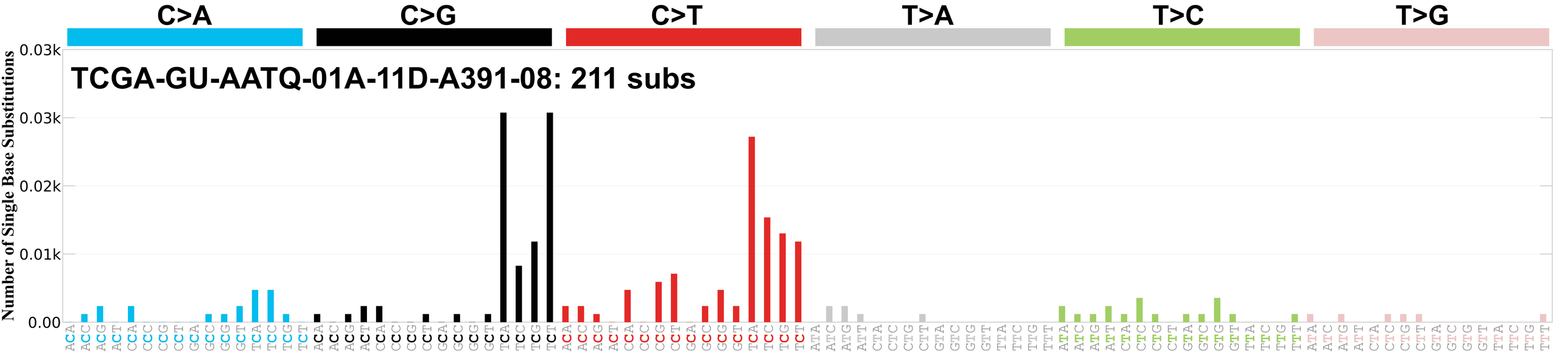

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A764-01A-11D-A34U-08: 136 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

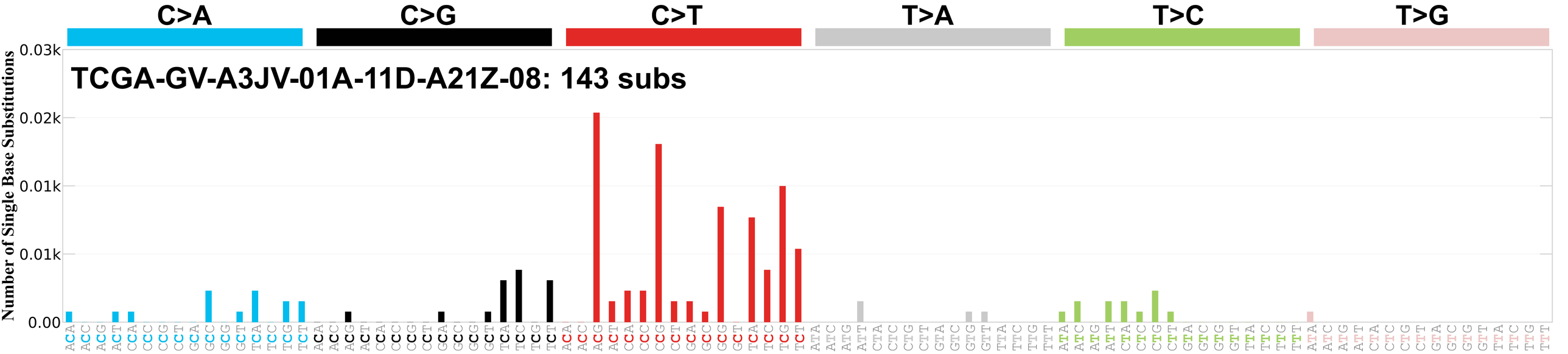

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A766-01A-11D-A32B-08: 238 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

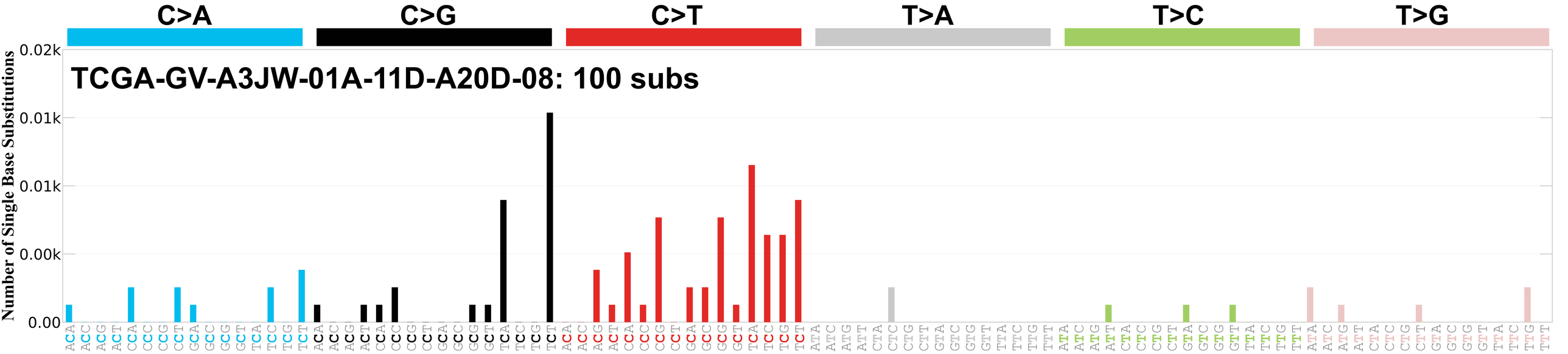

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-A767-01A-11D-A32B-08: 472 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

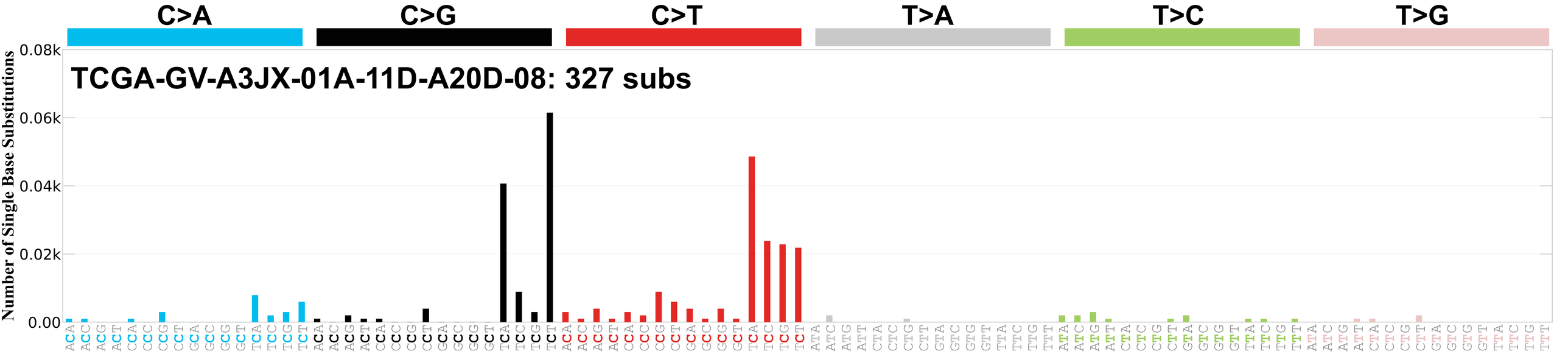

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-AATO-01A-11D-A391-08: 387 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00

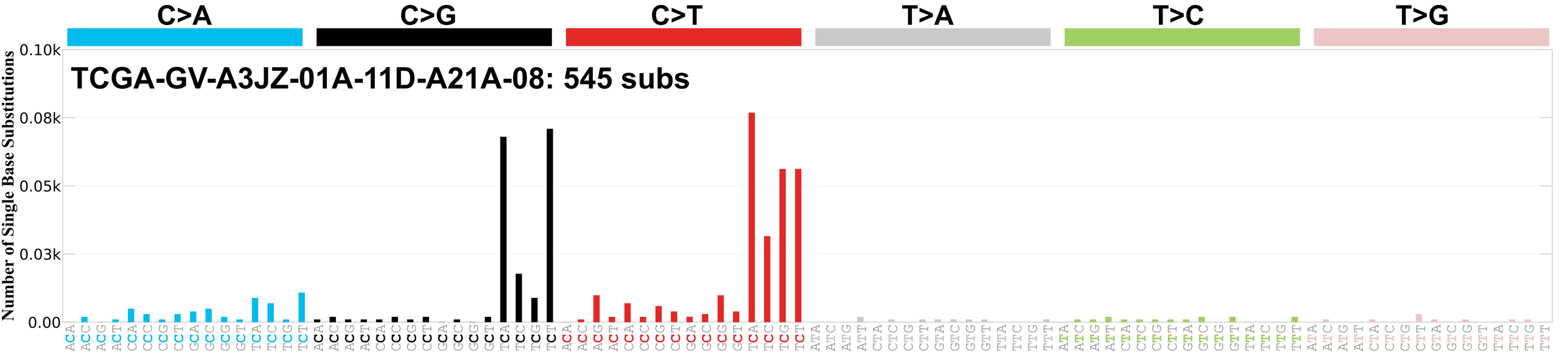

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-AATP-01A-11D-A391-08: 397 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00

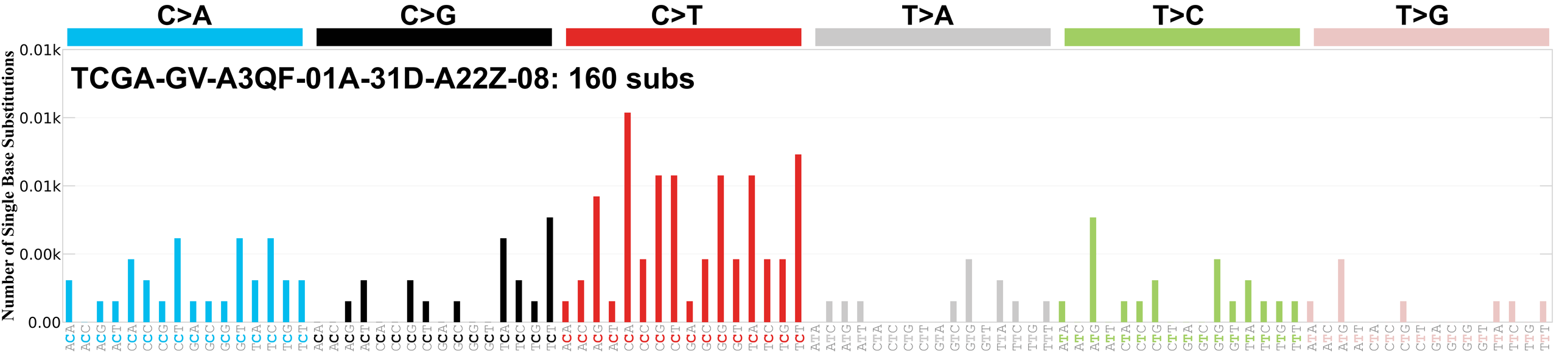

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GU-AATQ-01A-11D-A391-08: 211 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

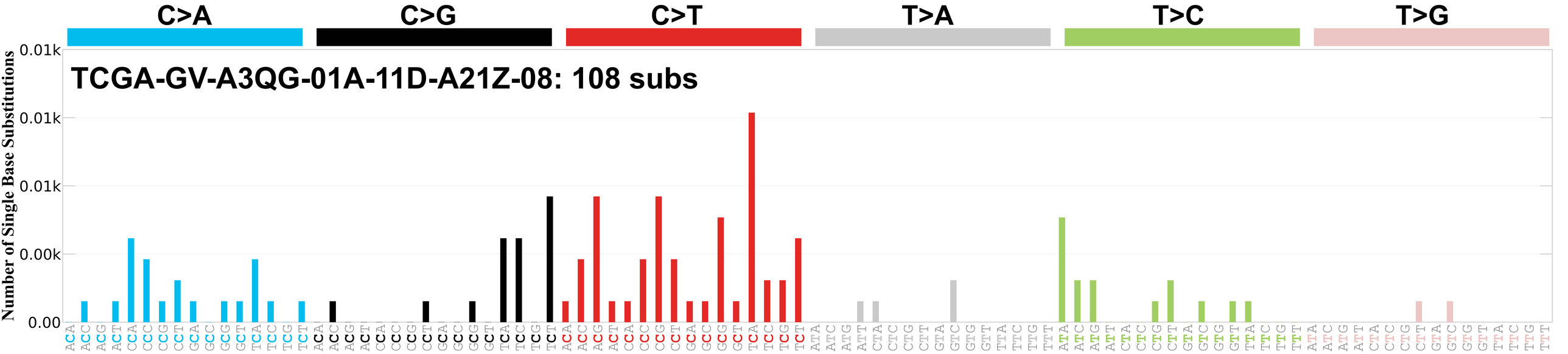

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3JV-01A-11D-A21Z-08: 143 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

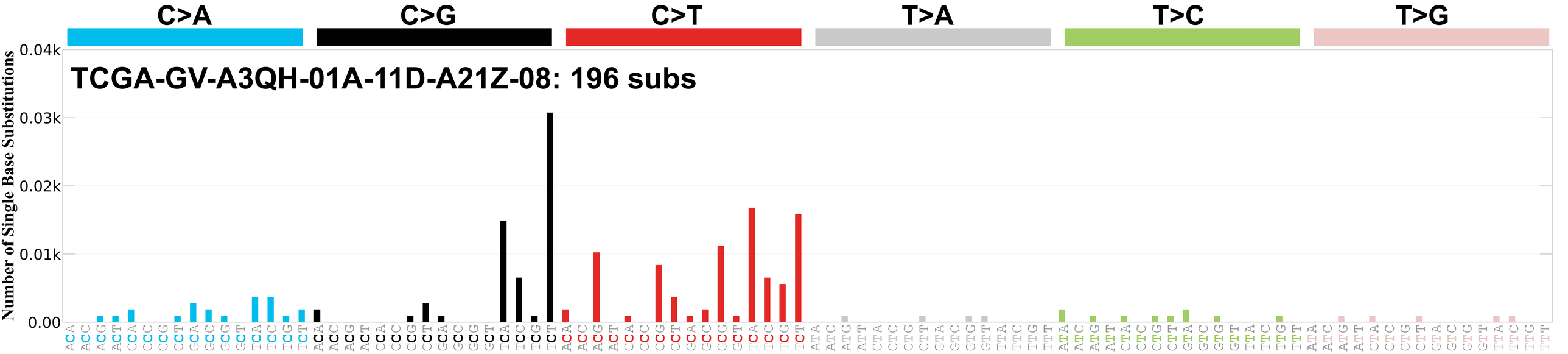

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3JW-01A-11D-A20D-08: 100 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

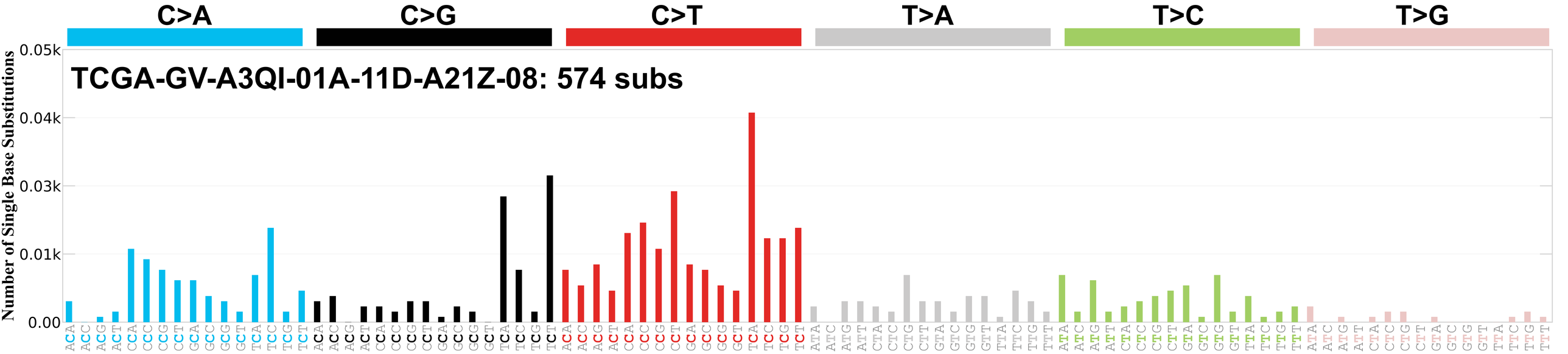

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3JX-01A-11D-A20D-08: 327 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

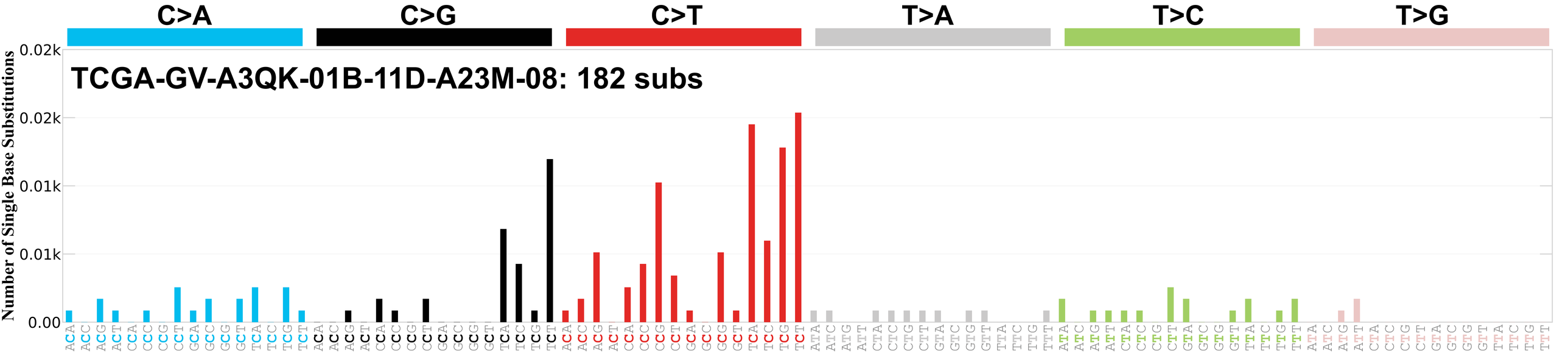

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3JZ-01A-11D-A21A-08: 545 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00

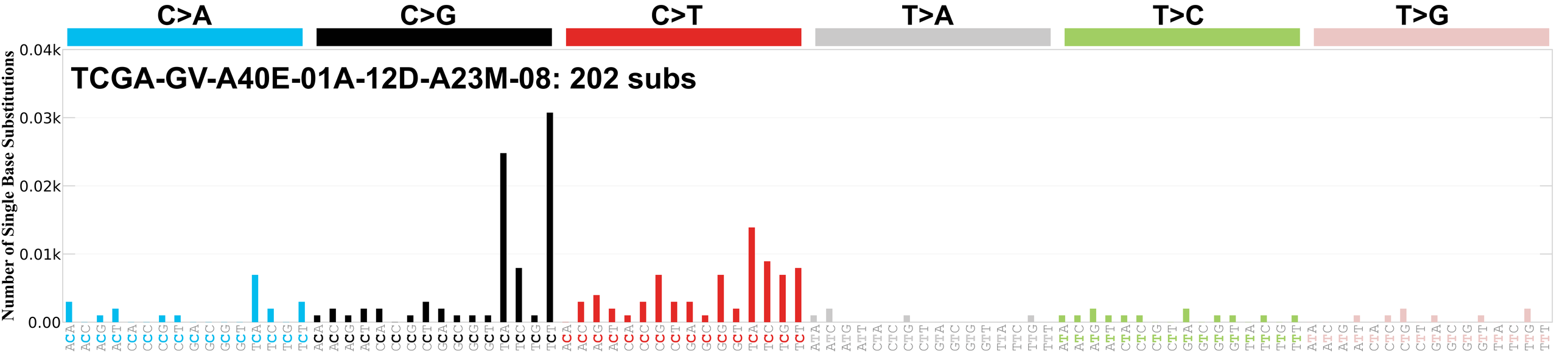

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3QF-01A-31D-A22Z-08: 160 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

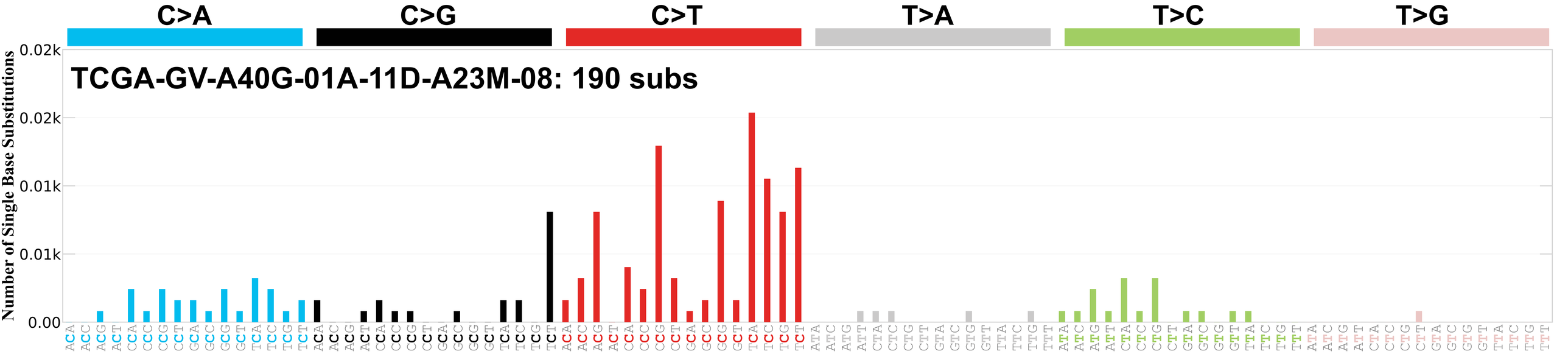

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3QG-01A-11D-A21Z-08: 108 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

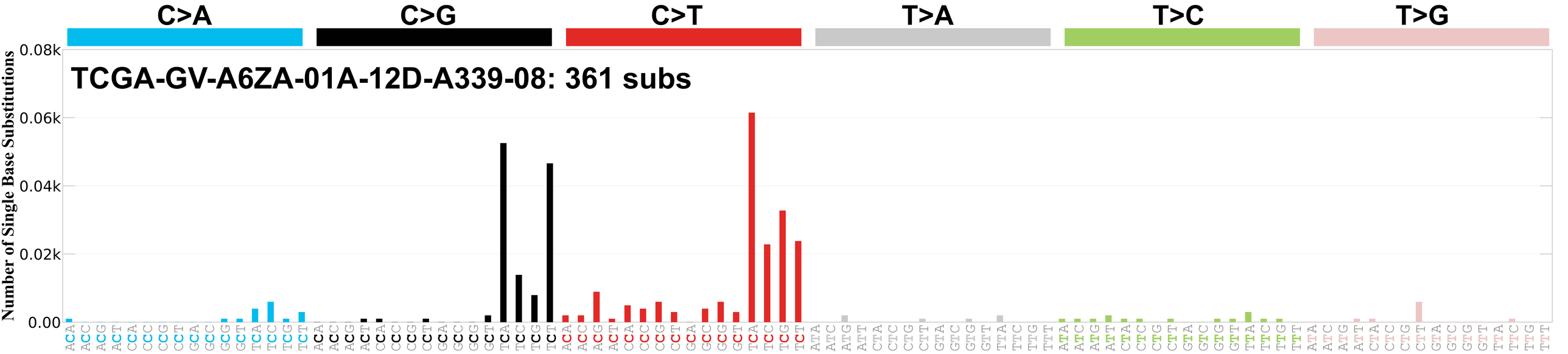

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3QH-01A-11D-A21Z-08: 196 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

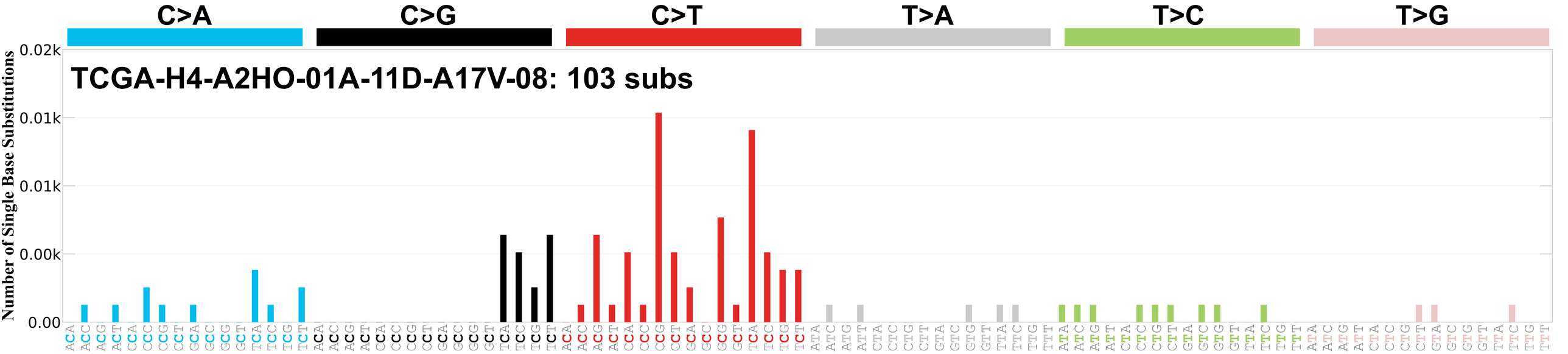

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3QI-01A-11D-A21Z-08: 574 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

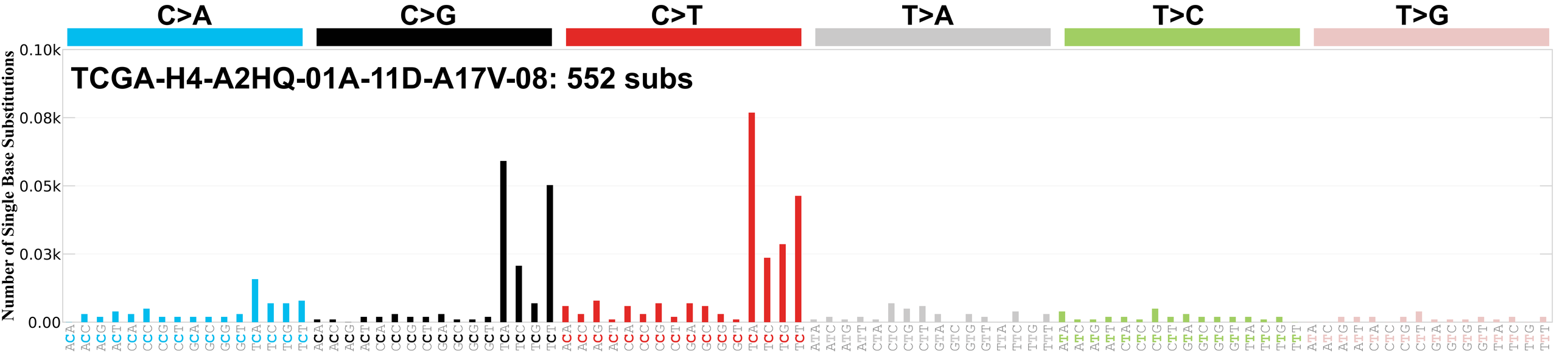

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A3QK-01B-11D-A23M-08: 182 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

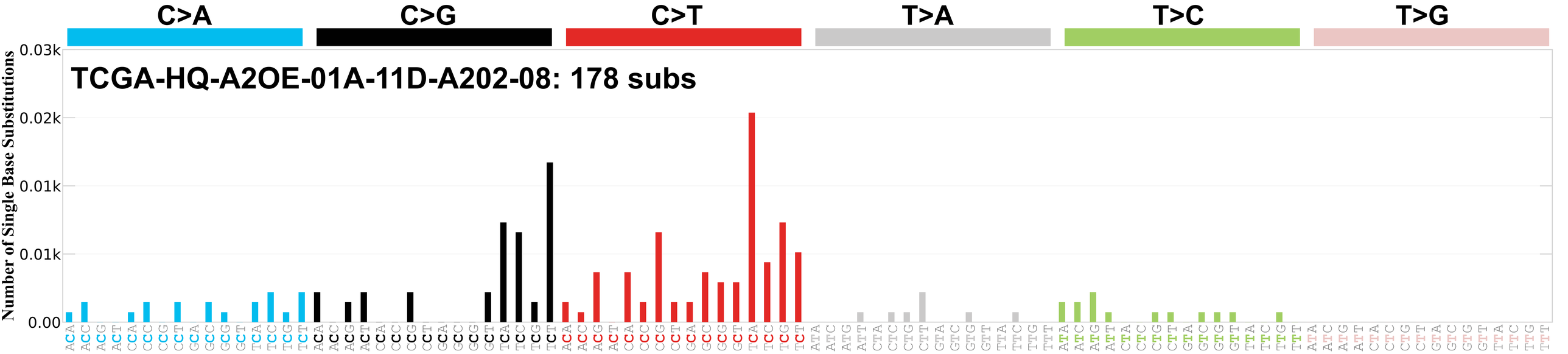

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A40E-01A-12D-A23M-08: 202 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

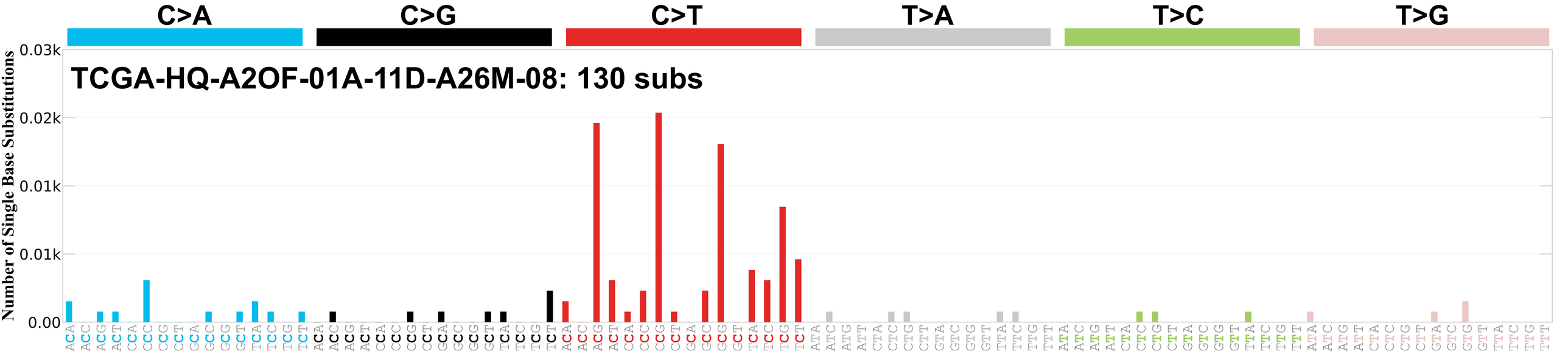

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A40G-01A-11D-A23M-08: 190 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

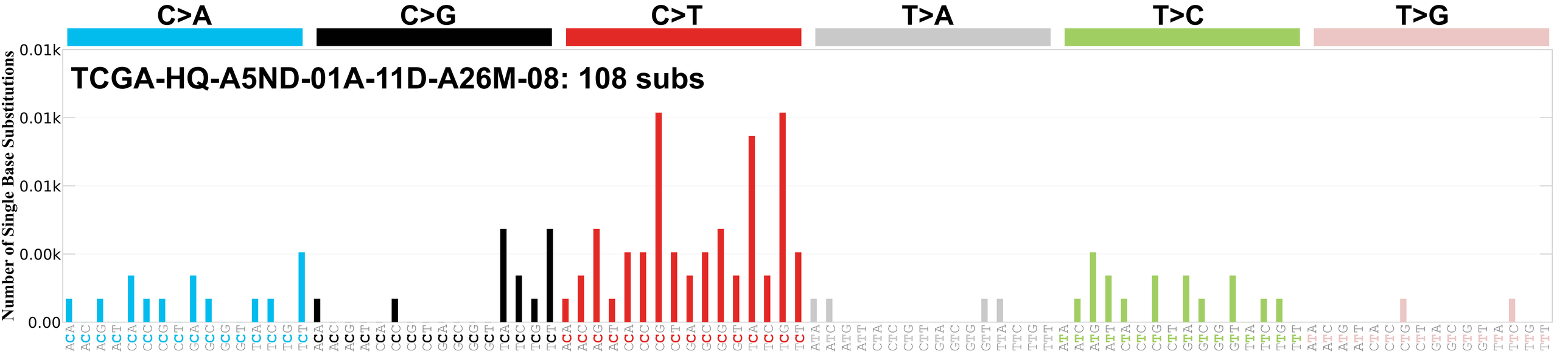

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-GV-A6ZA-01A-12D-A339-08: 361 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

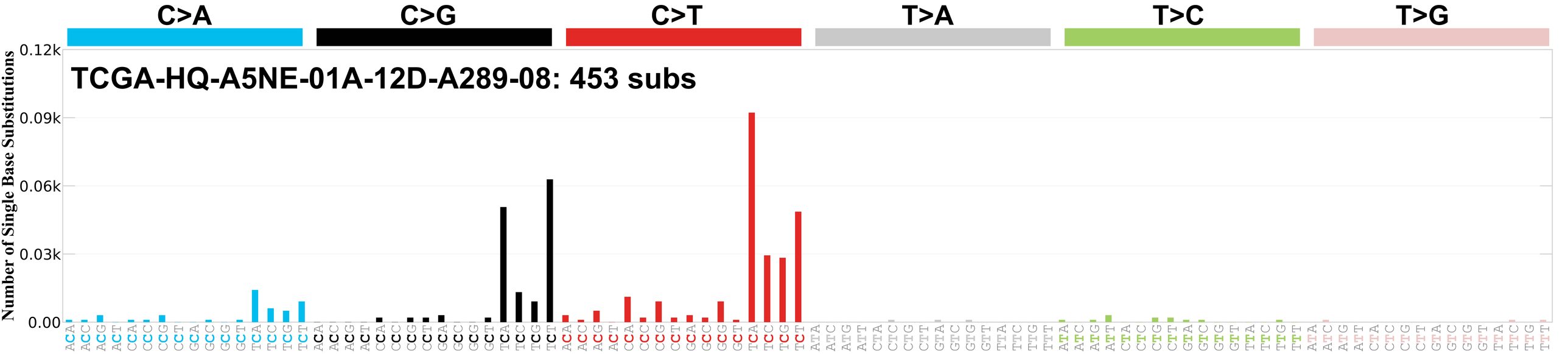

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-H4-A2HO-01A-11D-A17V-08: 103 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

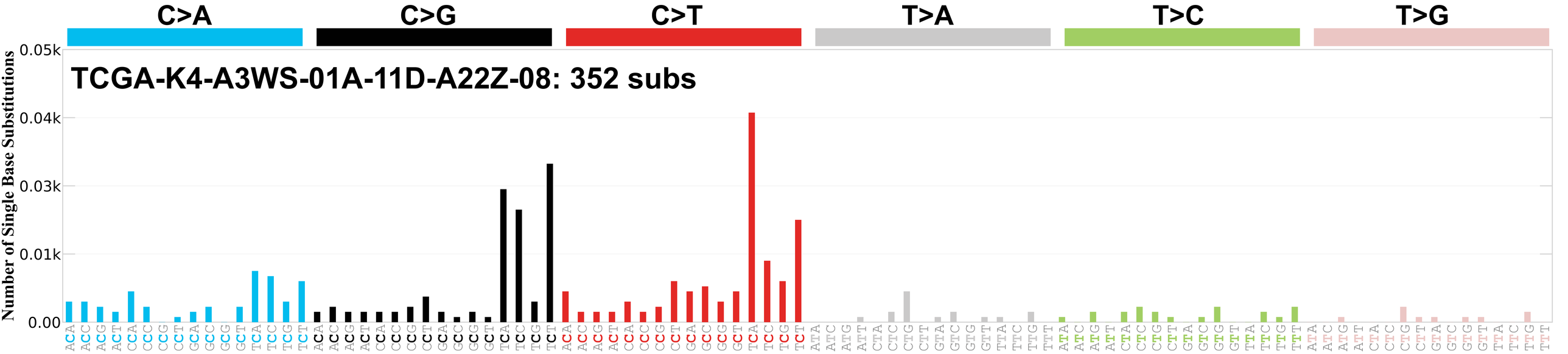

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-H4-A2HQ-01A-11D-A17V-08: 552 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

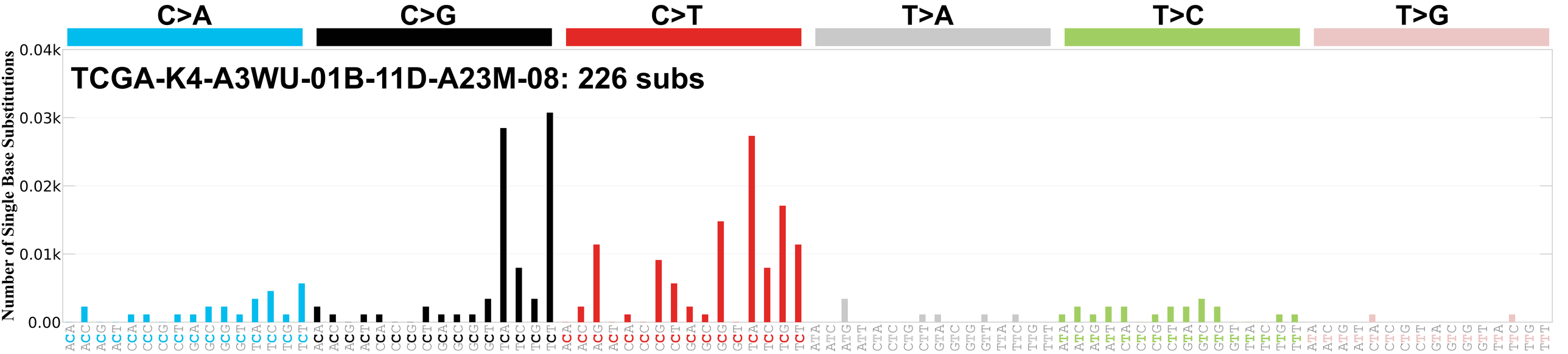

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-HQ-A2OE-01A-11D-A202-08: 178 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

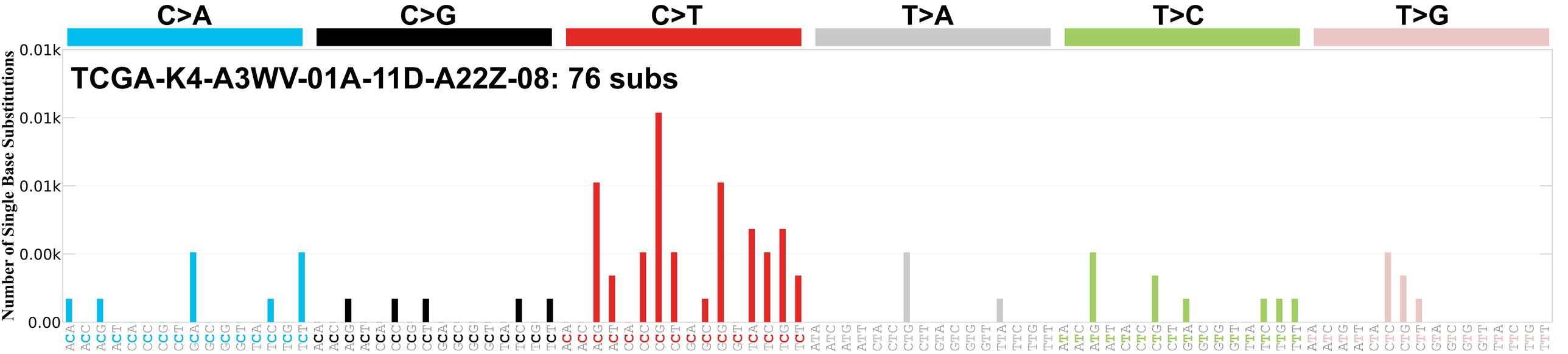

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-HQ-A2OF-01A-11D-A26M-08: 130 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

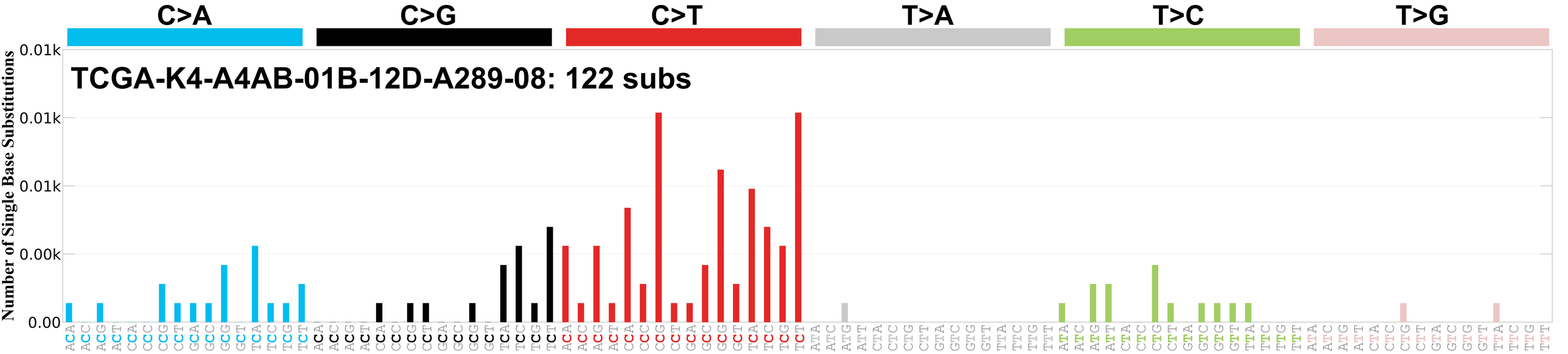

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-HQ-A5ND-01A-11D-A26M-08: 108 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

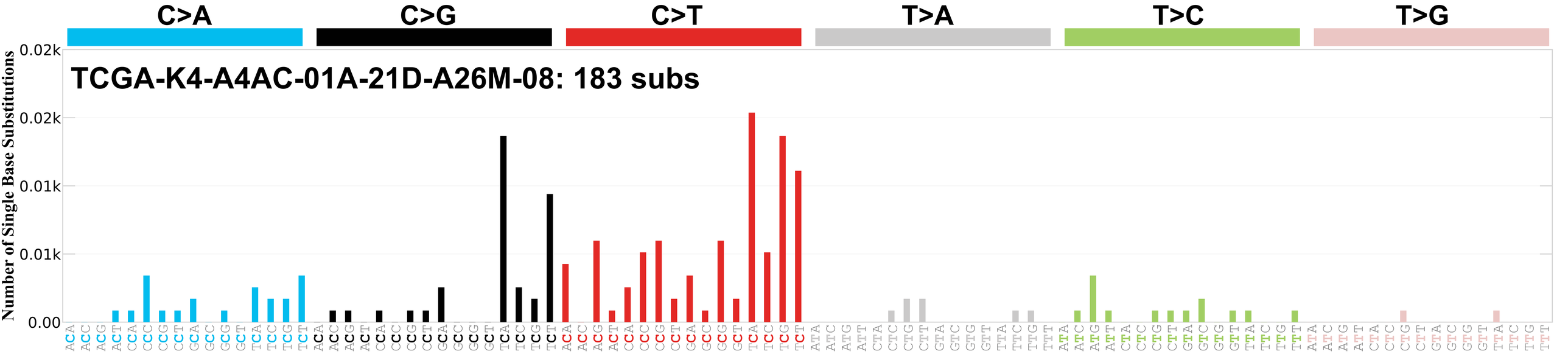

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-HQ-A5NE-01A-12D-A289-08: 453 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00

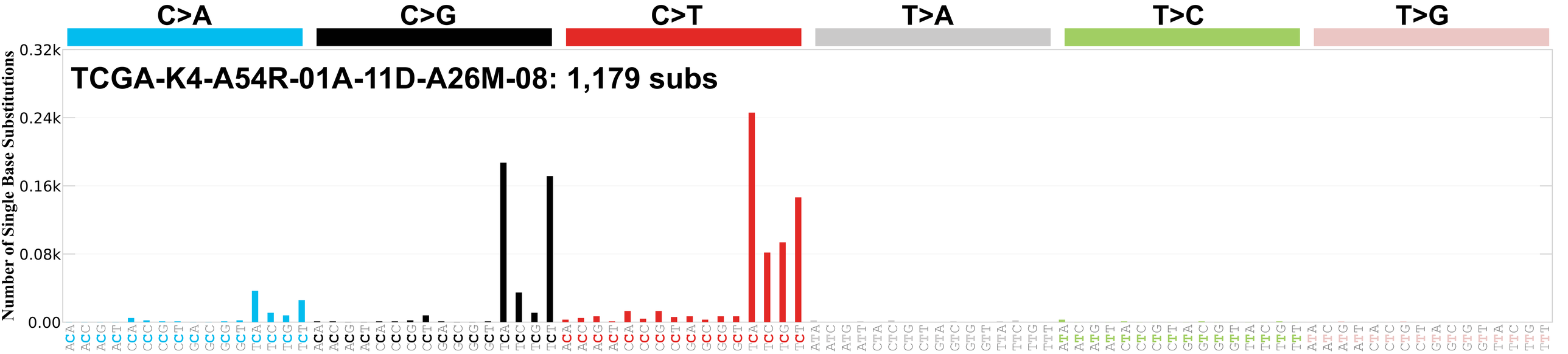

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A3WS-01A-11D-A22Z-08: 352 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

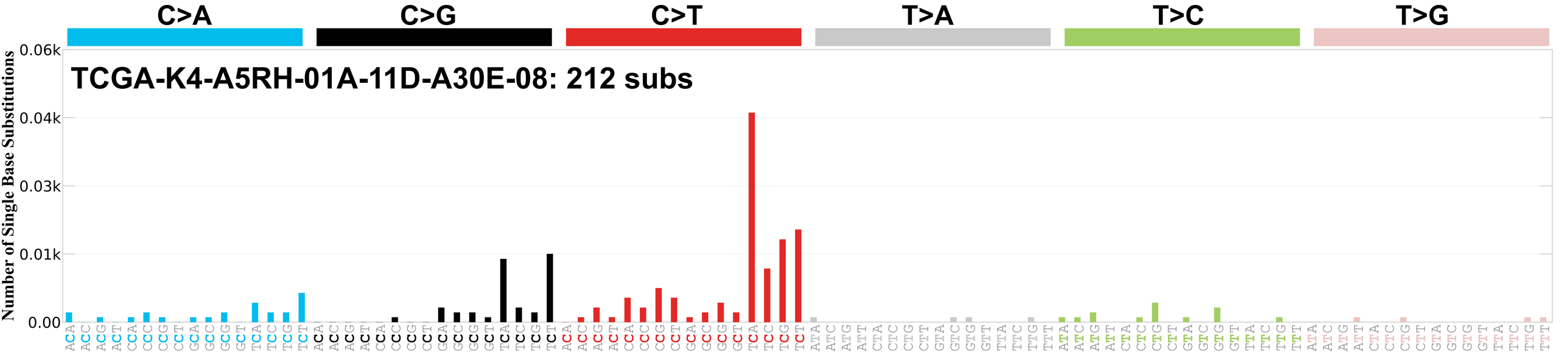

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A3WU-01B-11D-A23M-08: 226 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

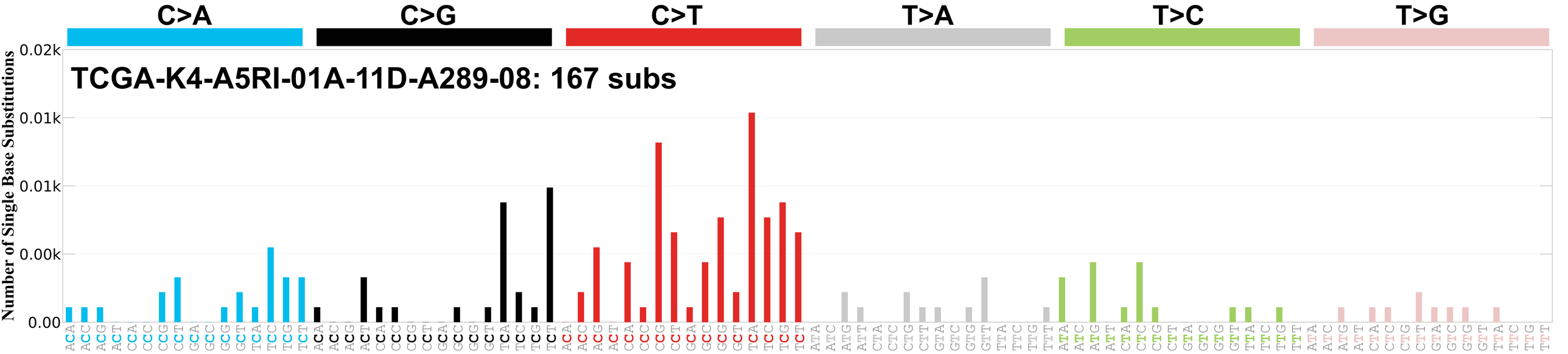

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A3WV-01A-11D-A22Z-08: 76 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

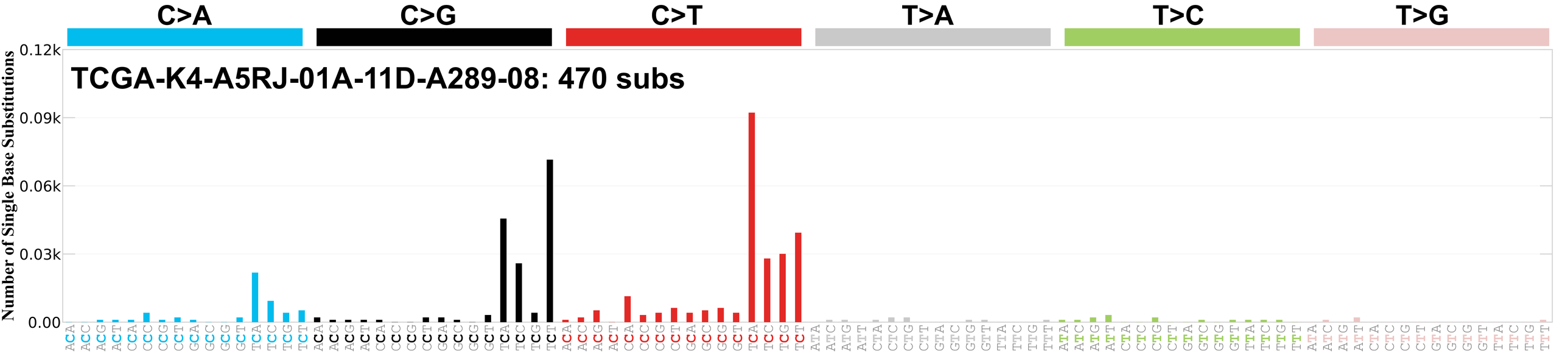

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A4AB-01B-12D-A289-08: 122 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

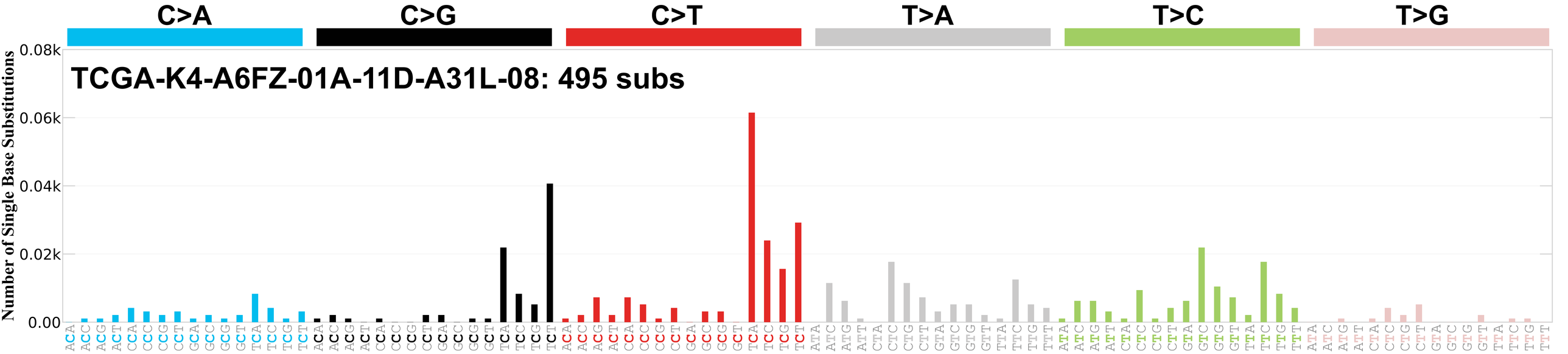

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A4AC-01A-21D-A26M-08: 183 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

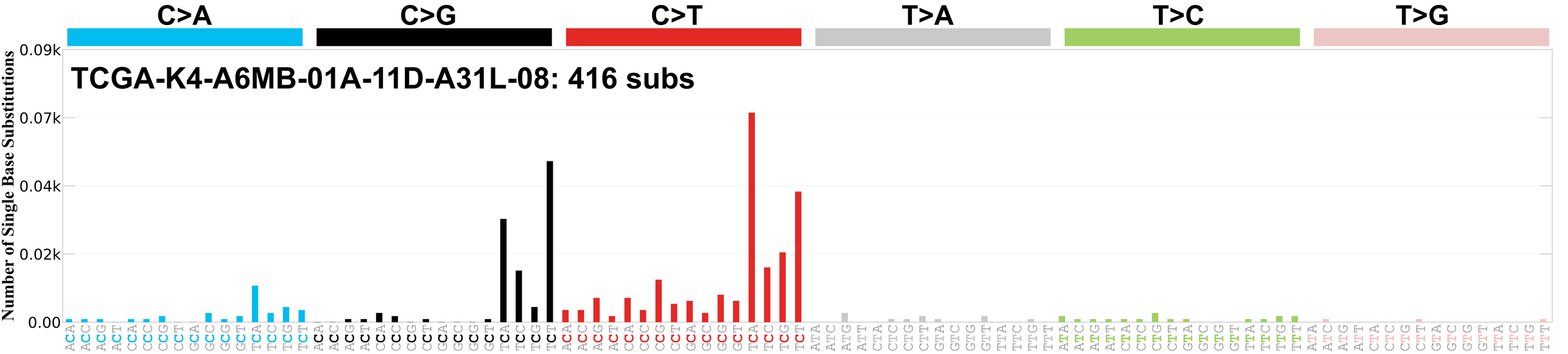

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A54R-01A-11D-A26M-08: 1,179 subs
Number of Single Base Substitutions
0.32k
0.24k
0.16k
0.08k
0.00

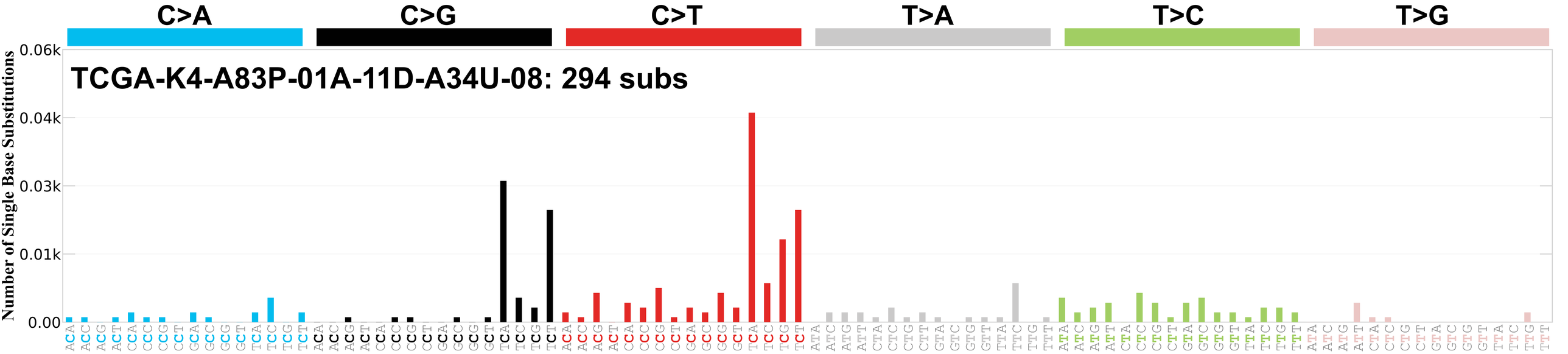

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A5RH-01A-11D-A30E-08: 212 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

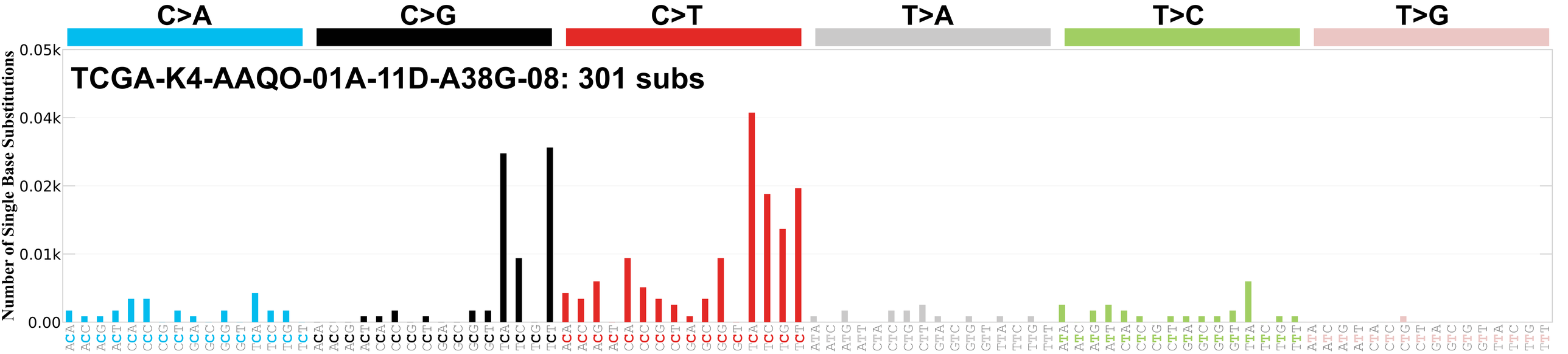

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A5RI-01A-11D-A289-08: 167 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

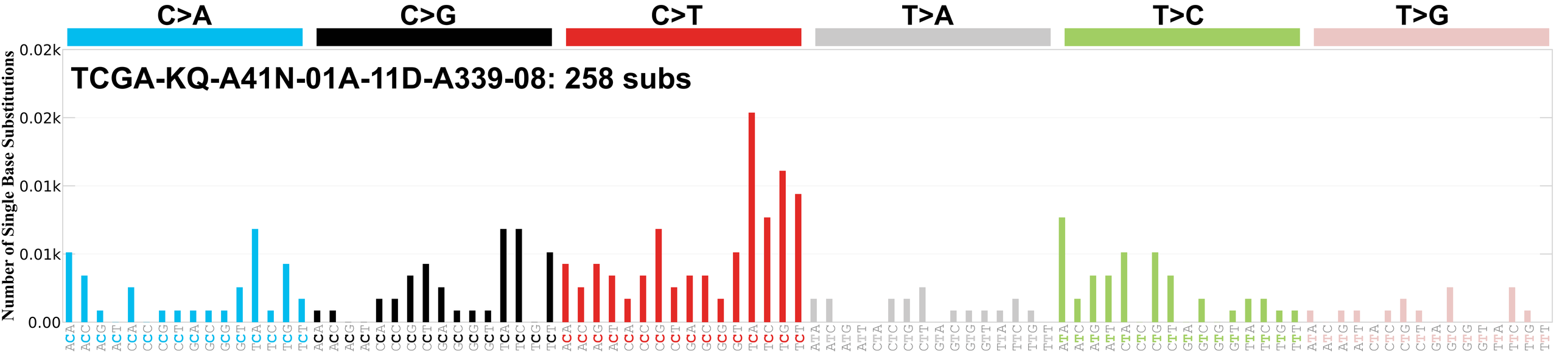

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A5RJ-01A-11D-A289-08: 470 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

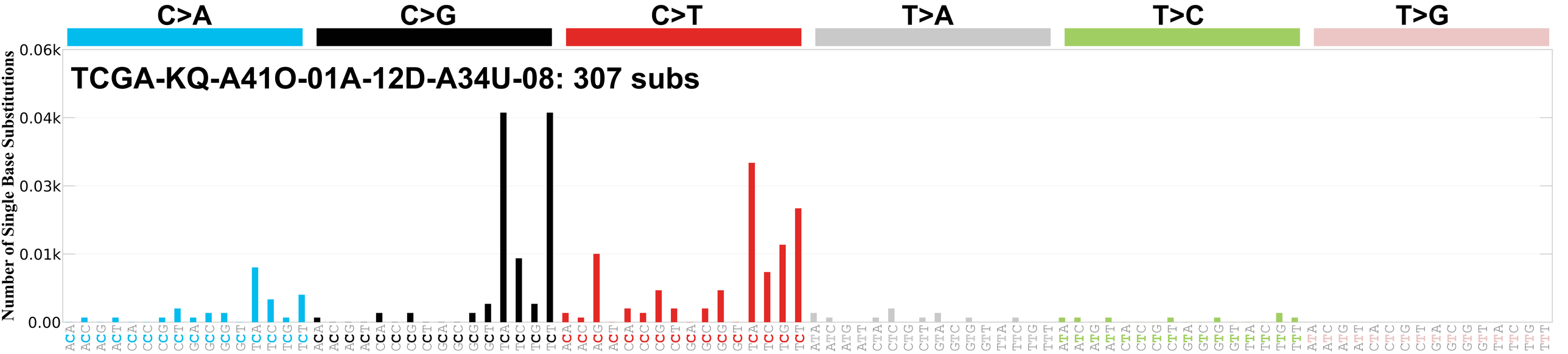

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A6FZ-01A-11D-A31L-08: 495 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

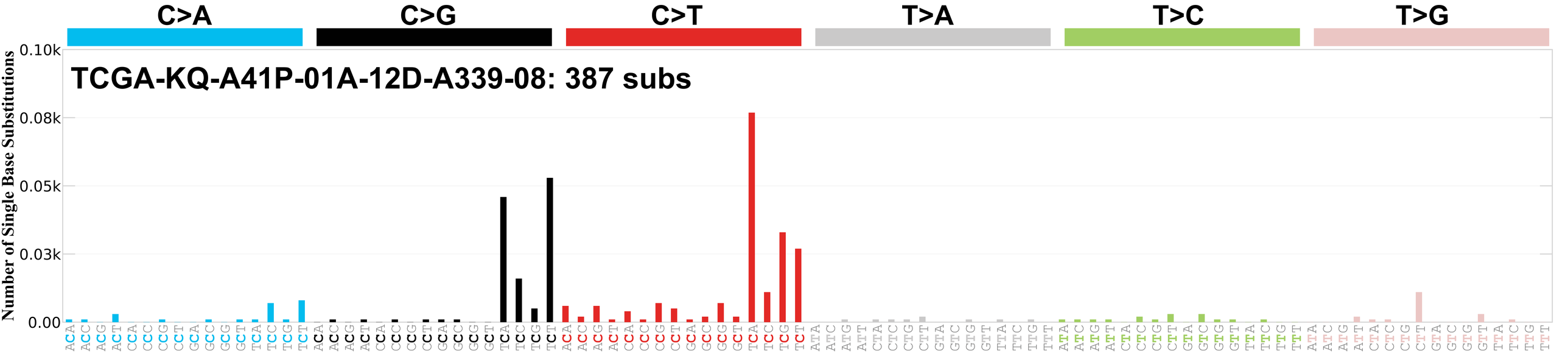

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A6MB-01A-11D-A31L-08: 416 subs
Number of Single Base Substitutions
0.09k
0.07k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

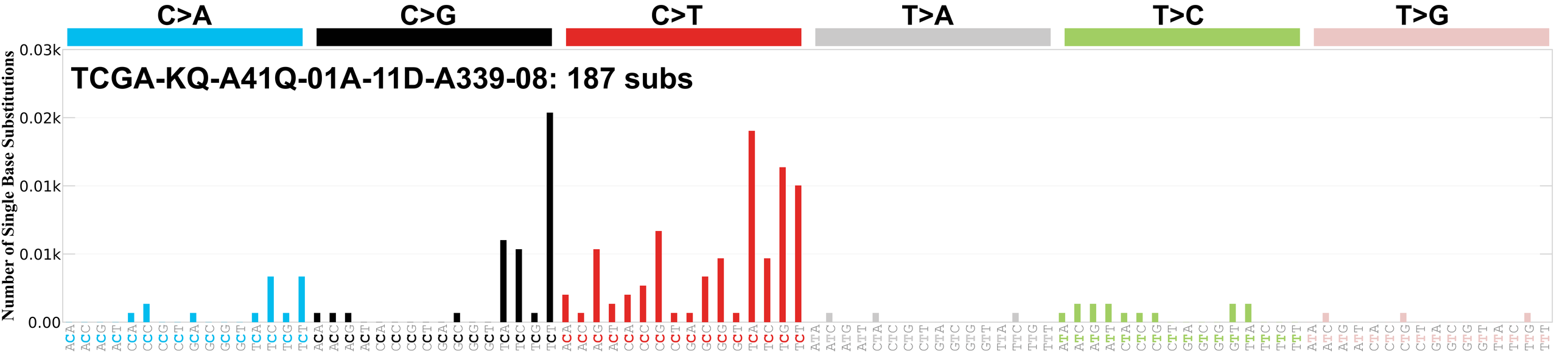

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-A83P-01A-11D-A34U-08: 294 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

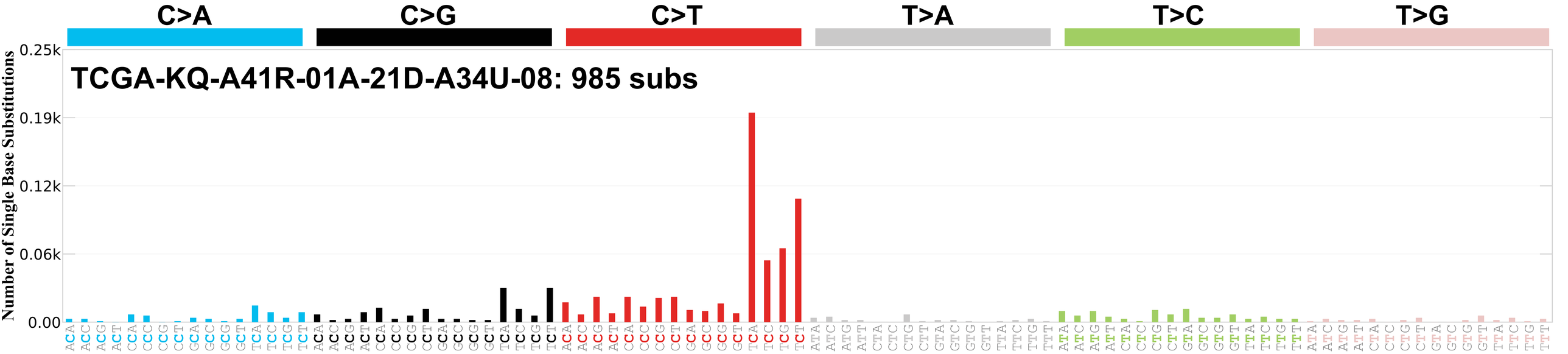

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-K4-AAQO-01A-11D-A38G-08: 301 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

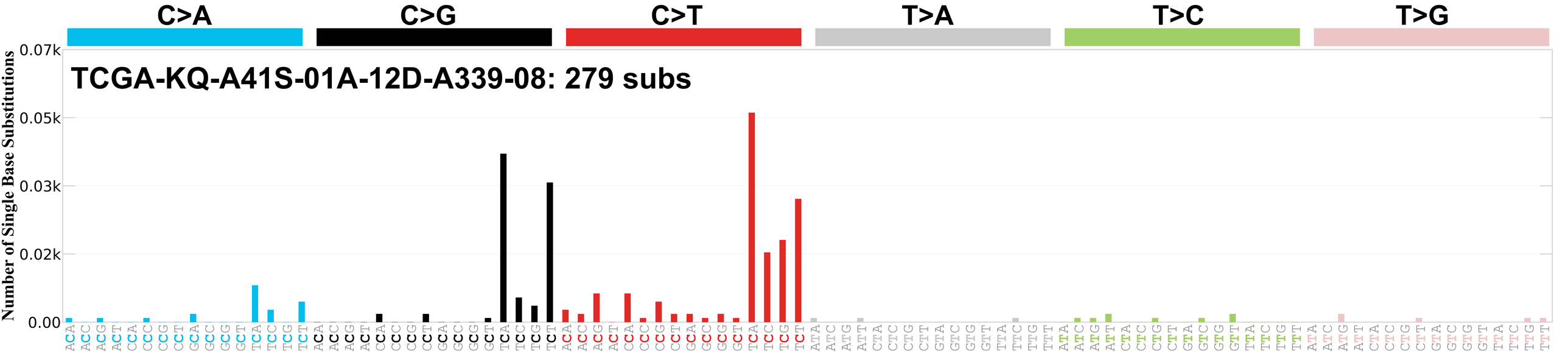

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41N-01A-11D-A339-08: 258 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

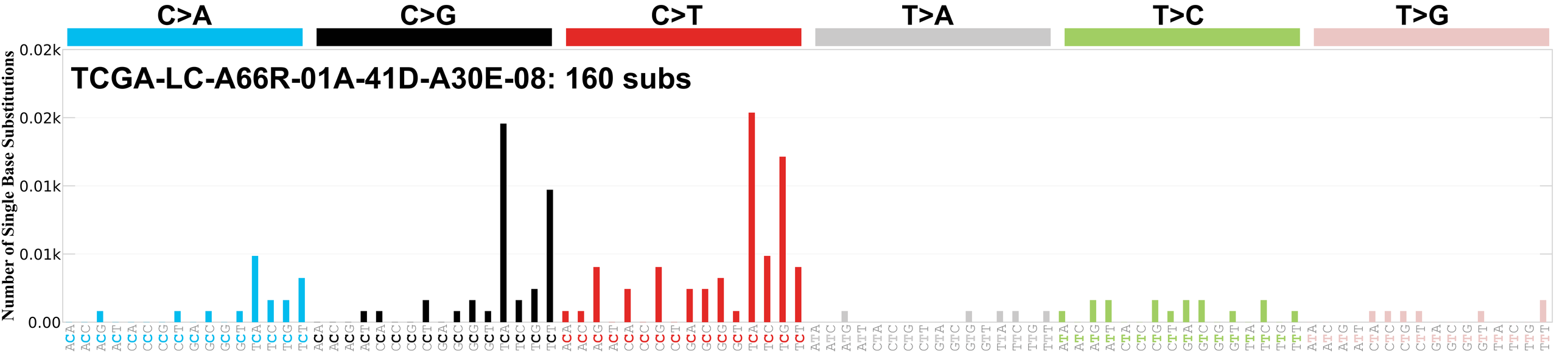

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41O-01A-12D-A34U-08: 307 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

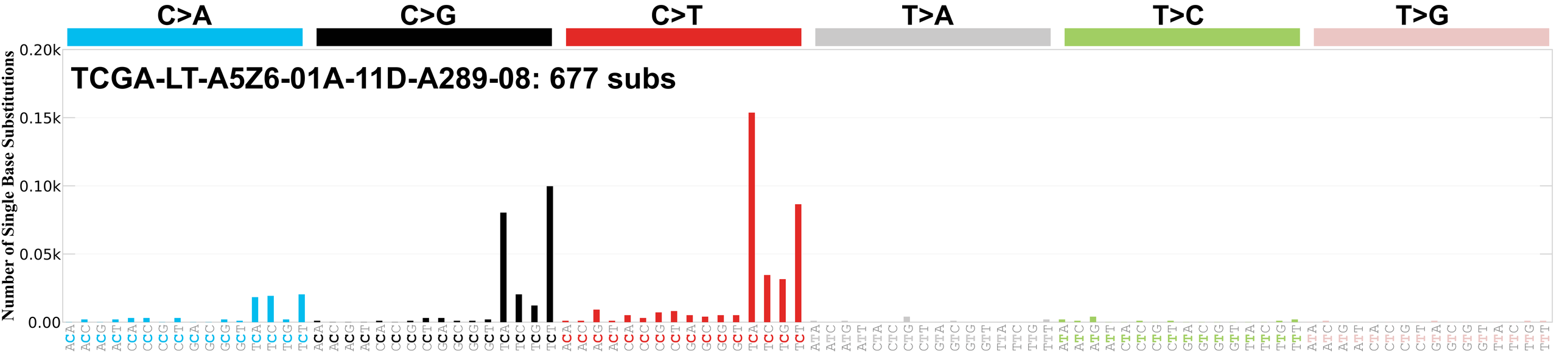

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41P-01A-12D-A339-08: 387 subs
Number of Single Base Substitutions
0.10k
0.08k
0.05k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

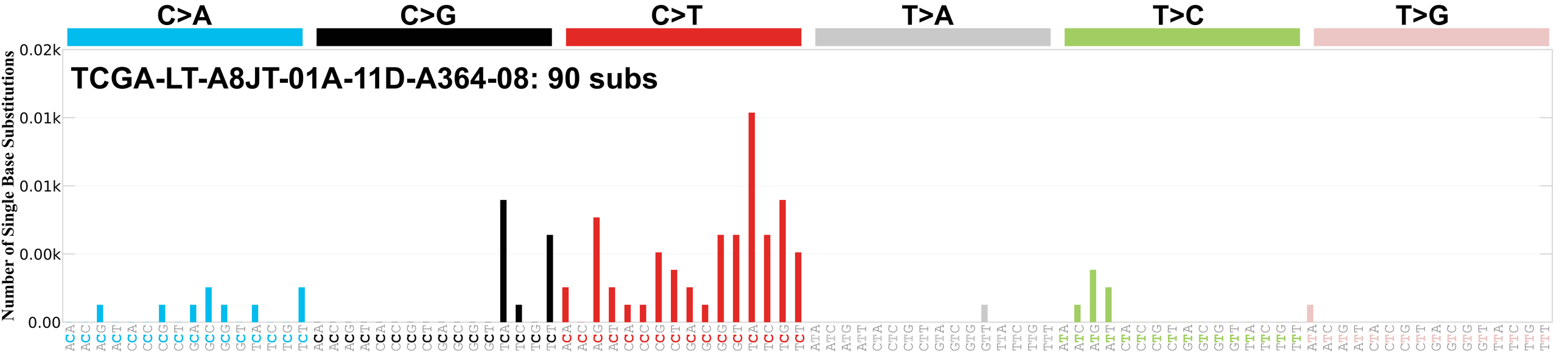

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41Q-01A-11D-A339-08: 187 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

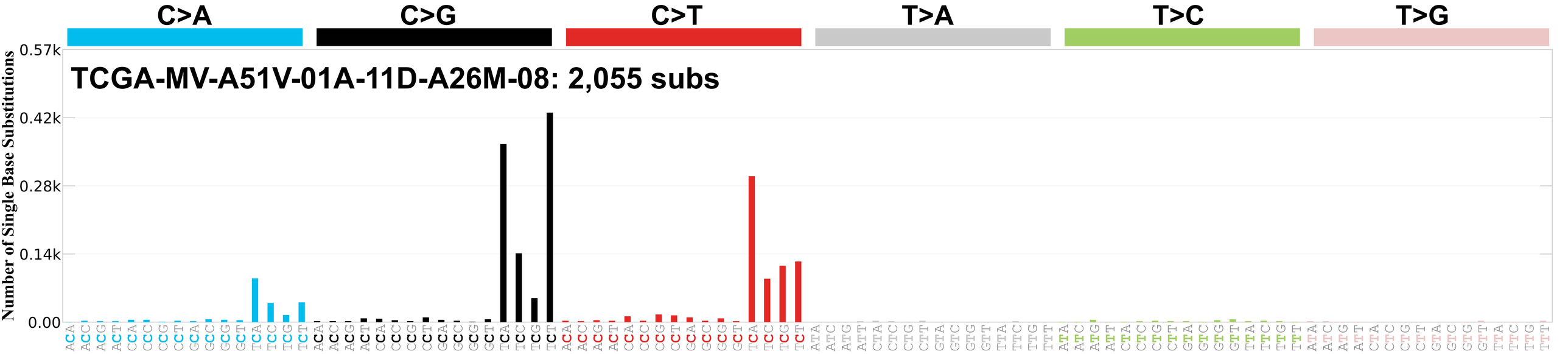

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41R-01A-21D-A34U-08: 985 subs
Number of Single Base Substitutions
0.25k
0.19k
0.12k
0.06k
0.00

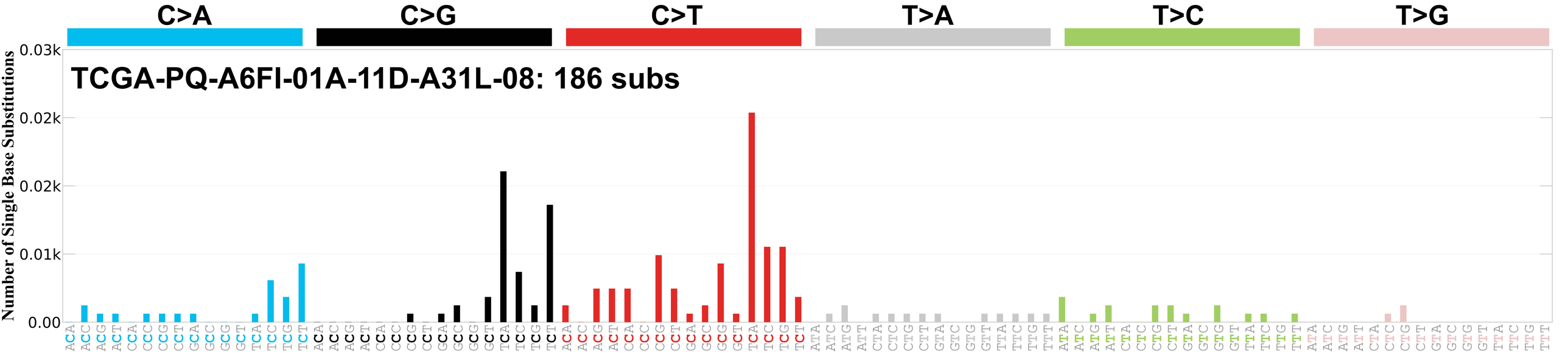

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-KQ-A41S-01A-12D-A339-08: 279 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

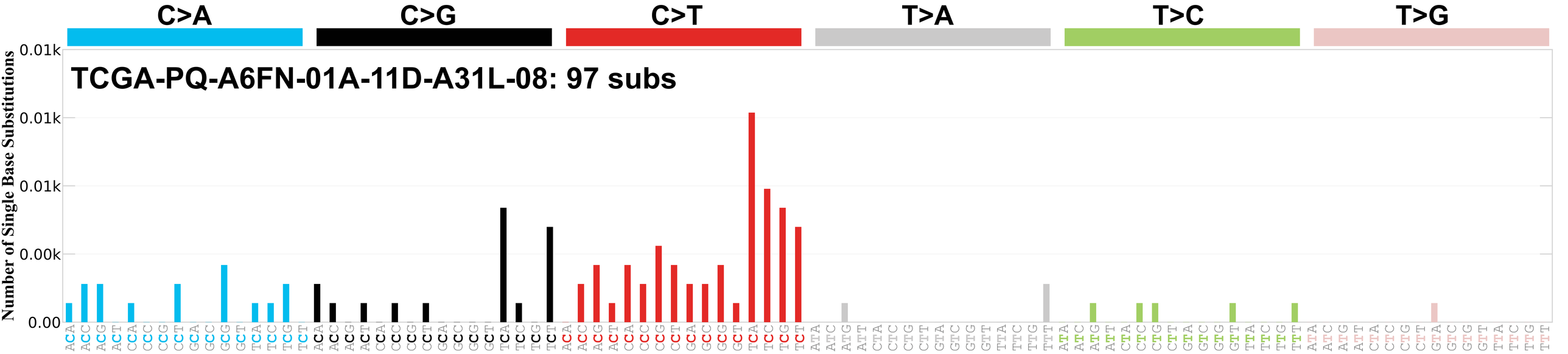

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-LC-A66R-01A-41D-A30E-08: 160 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

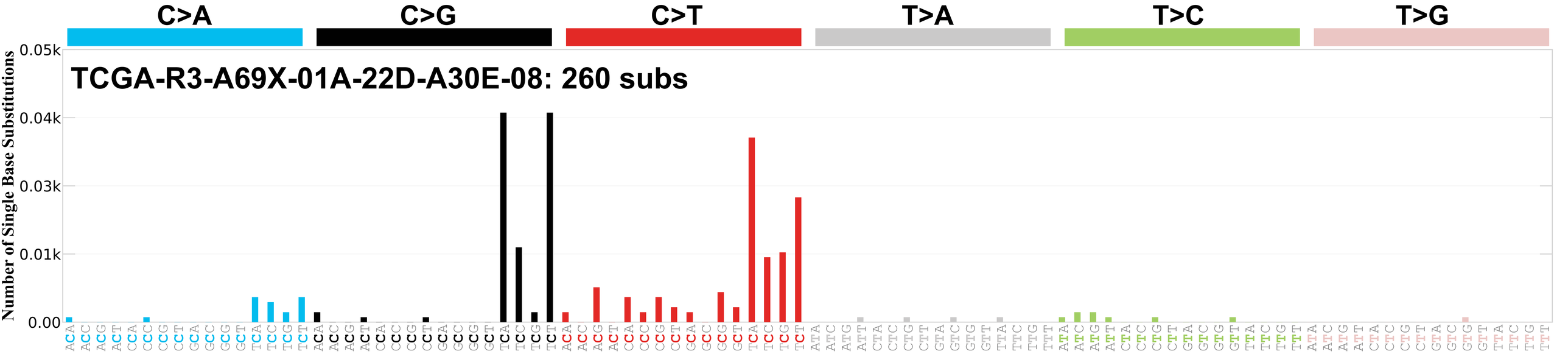

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-LT-A5Z6-01A-11D-A289-08: 677 subs
Number of Single Base Substitutions
0.20k
0.15k
0.10k
0.05k
0.00

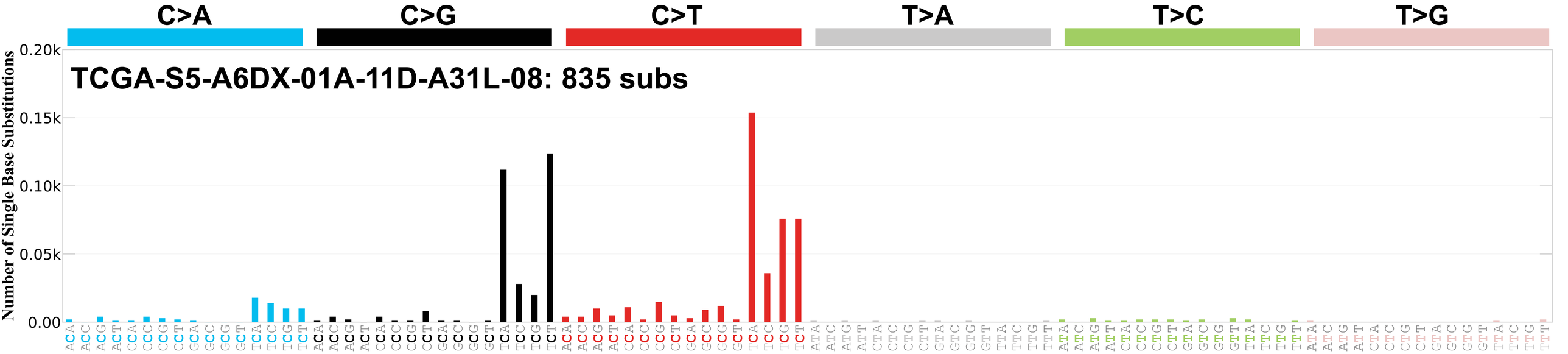

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-LT-A8JT-01A-11D-A364-08: 90 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

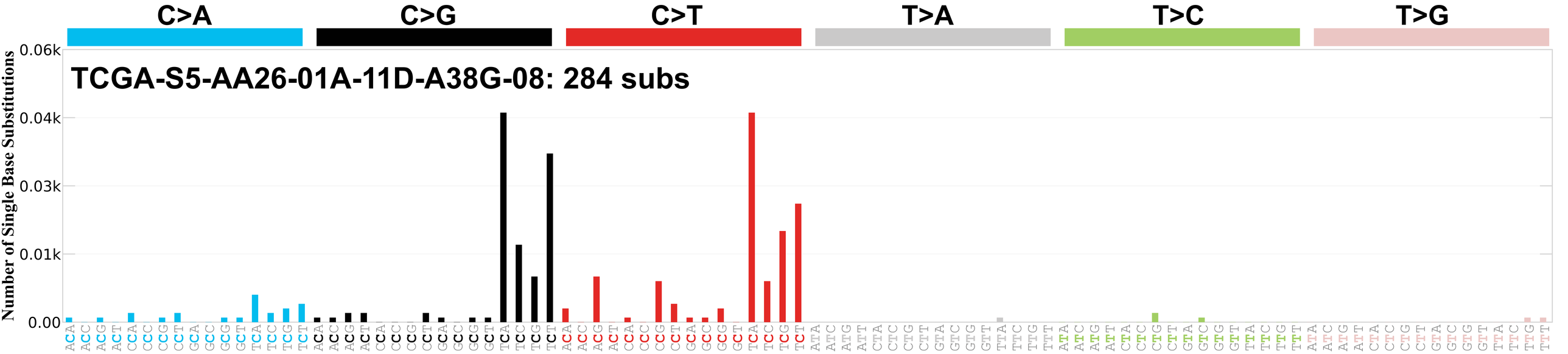

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-MV-A51V-01A-11D-A26M-08: 2,055 subs
Number of Single Base Substitutions
0.57k
0.42k
0.28k
0.14k
0.00

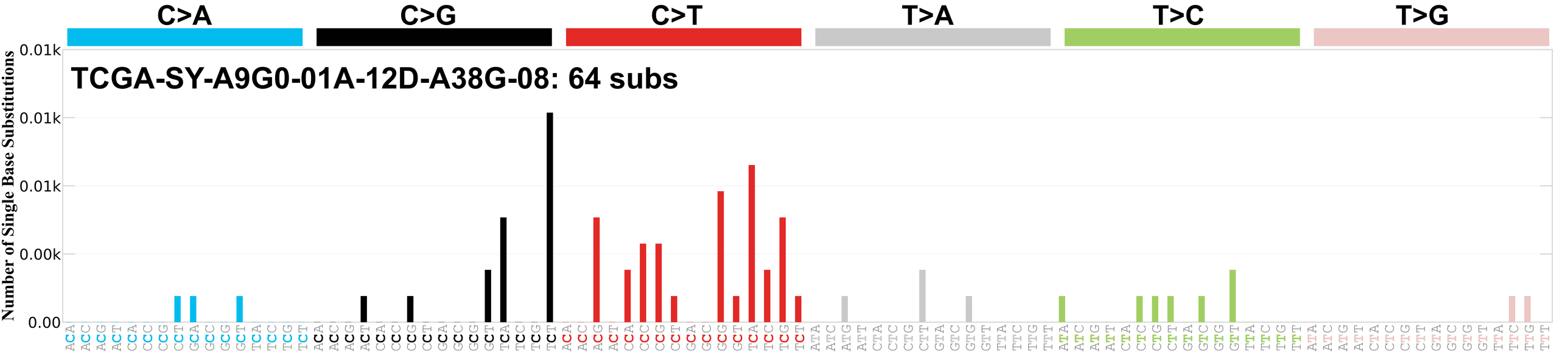

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-PQ-A6FI-01A-11D-A31L-08: 186 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

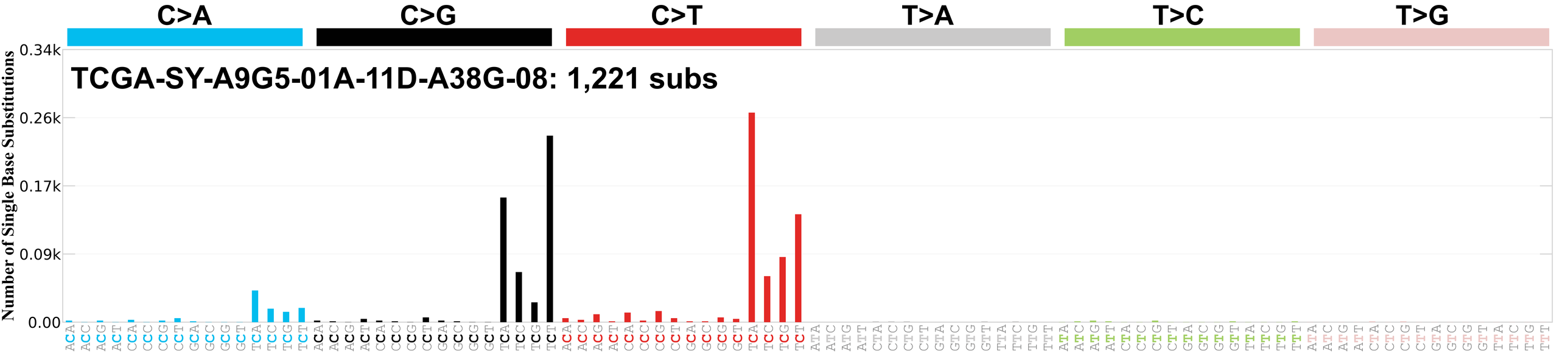

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-PQ-A6FN-01A-11D-A31L-08: 97 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

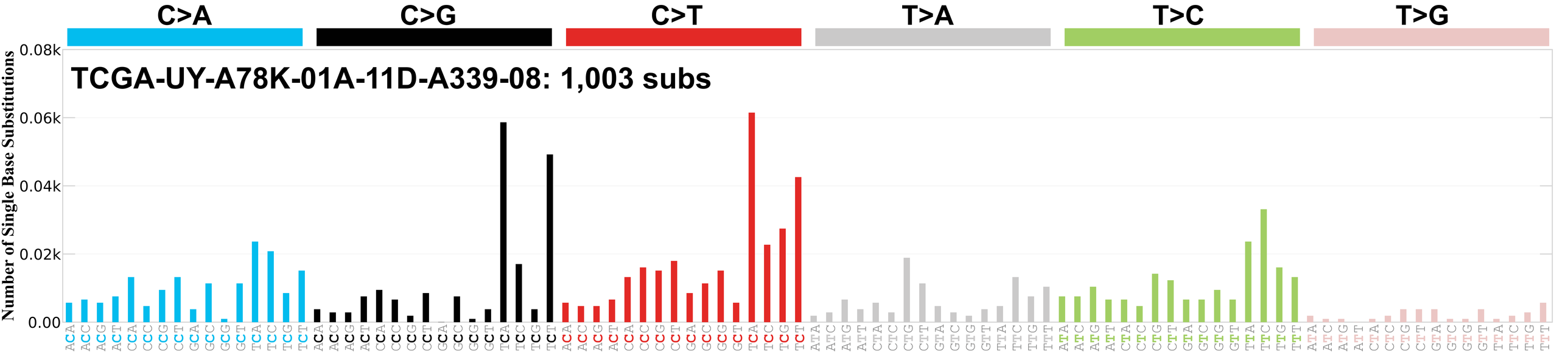

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-R3-A69X-01A-22D-A30E-08: 260 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

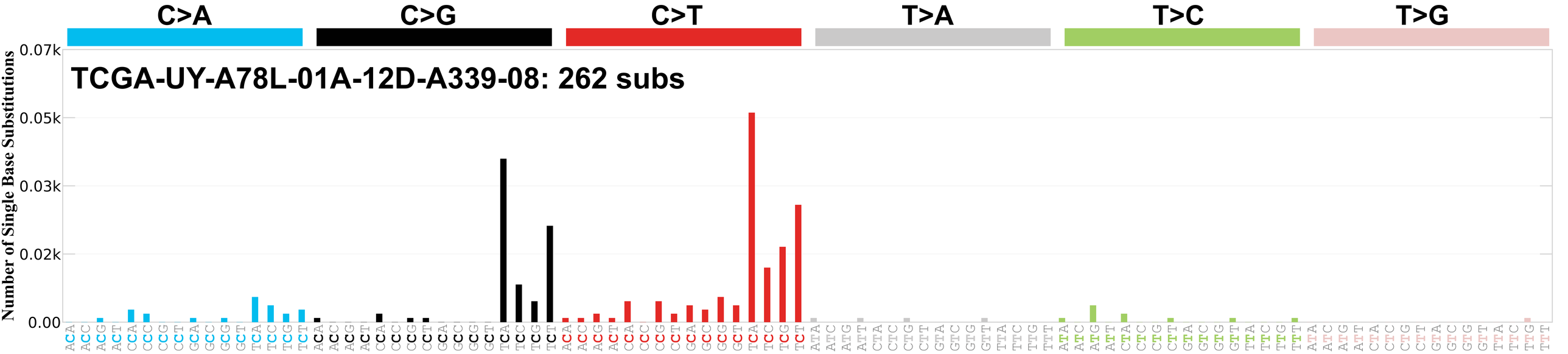

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-S5-A6DX-01A-11D-A31L-08: 835 subs
Number of Single Base Substitutions
0.20k
0.15k
0.10k
0.05k
0.00

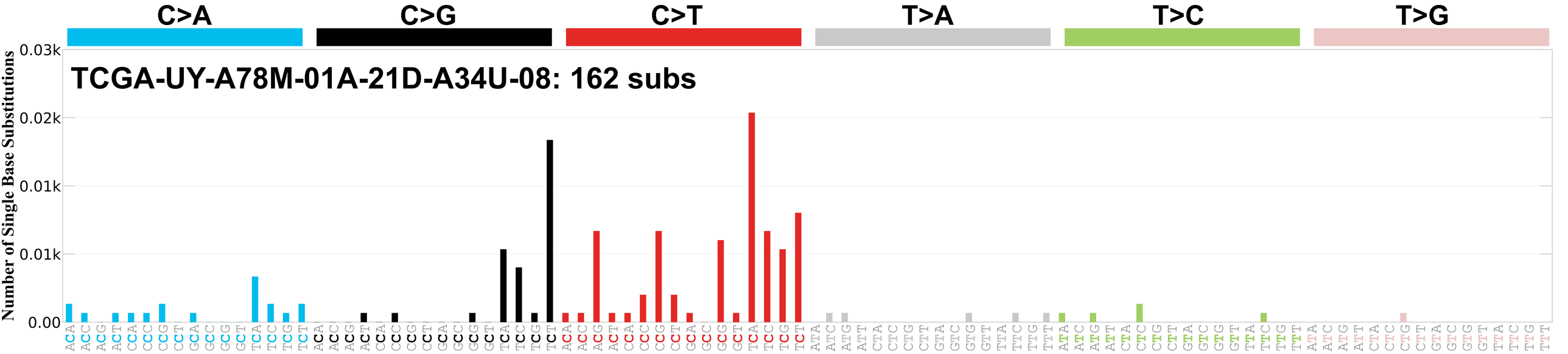

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-S5-AA26-01A-11D-A38G-08: 284 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

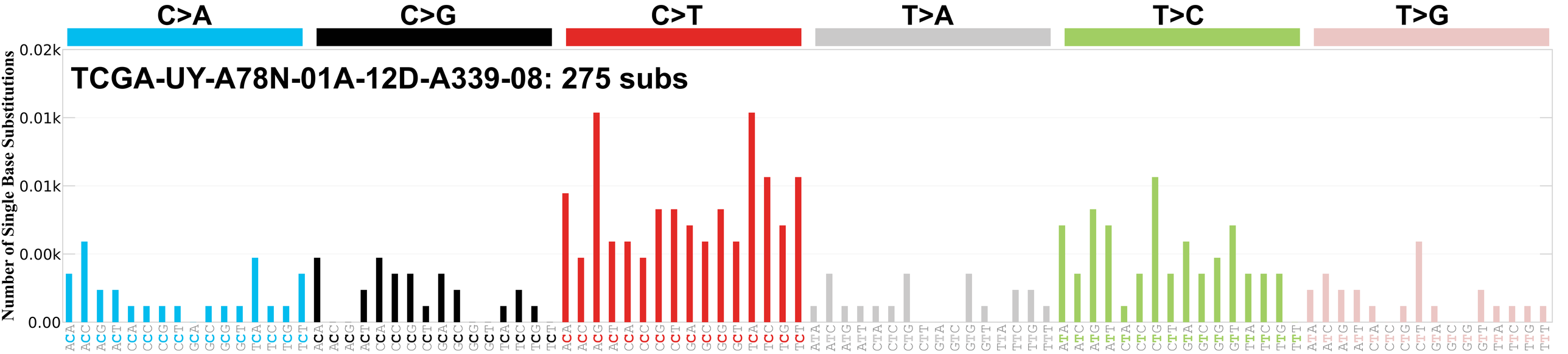

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-SY-A9G0-01A-12D-A38G-08: 64 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

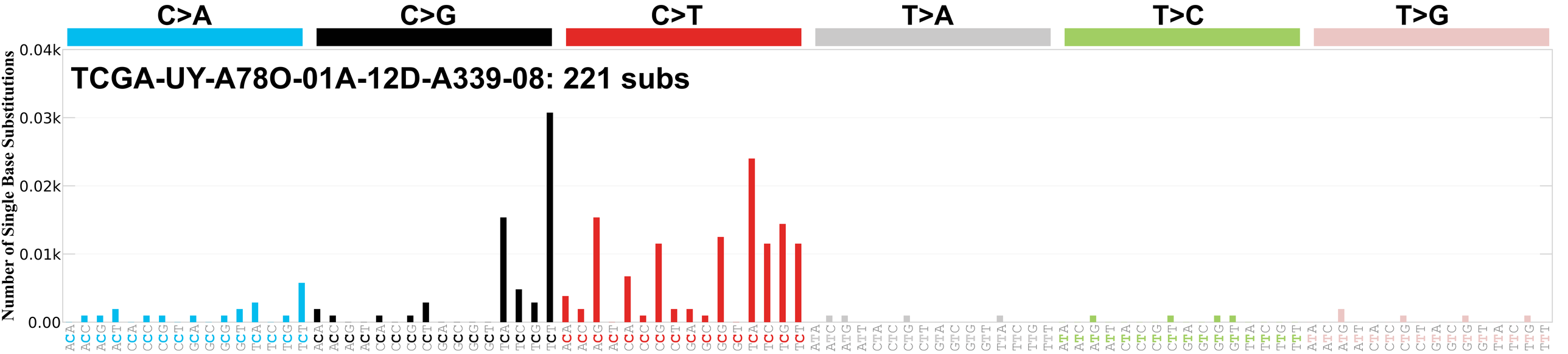

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-SY-A9G5-01A-11D-A38G-08: 1,221 subs
Number of Single Base Substitutions
0.34k
0.26k
0.17k
0.09k
0.00

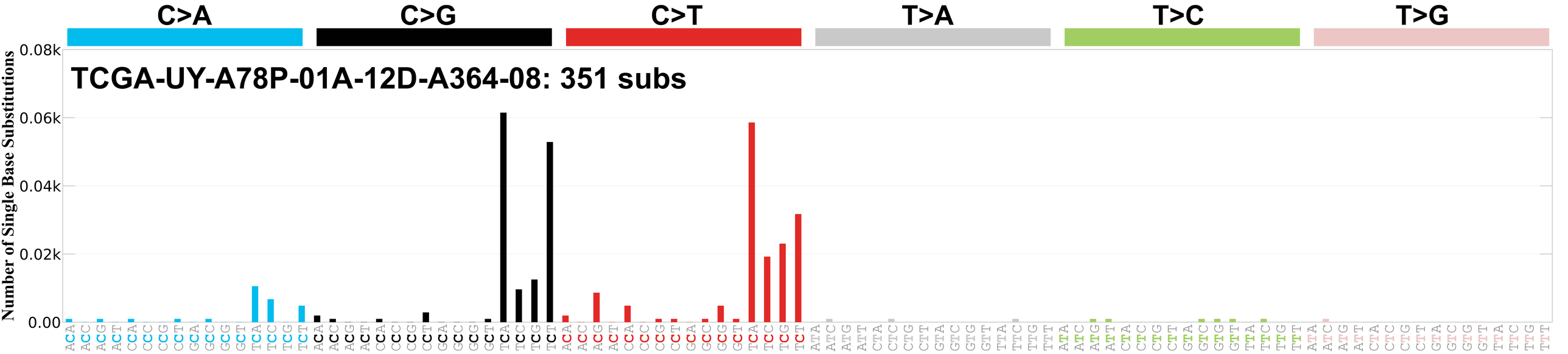

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78K-01A-11D-A339-08: 1,003 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

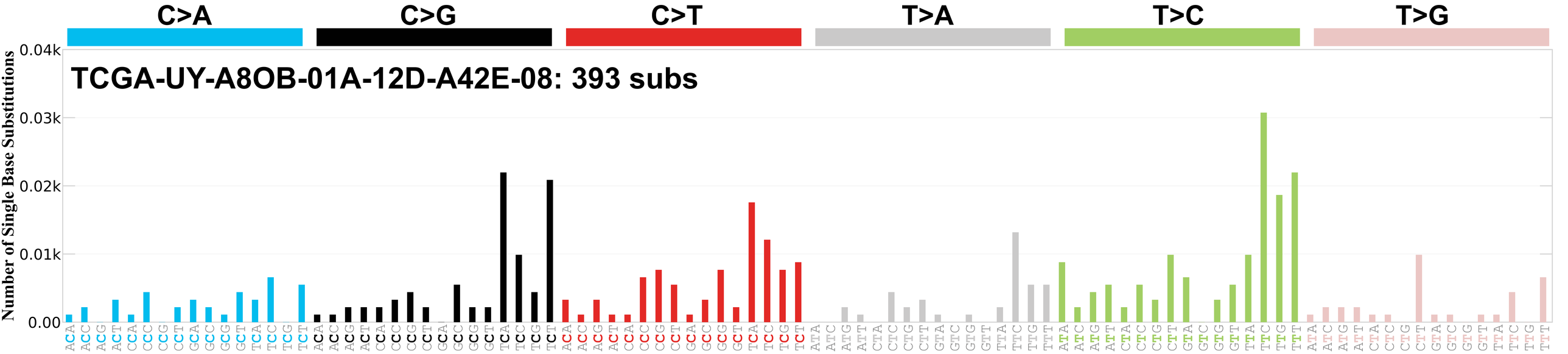

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78L-01A-12D-A339-08: 262 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

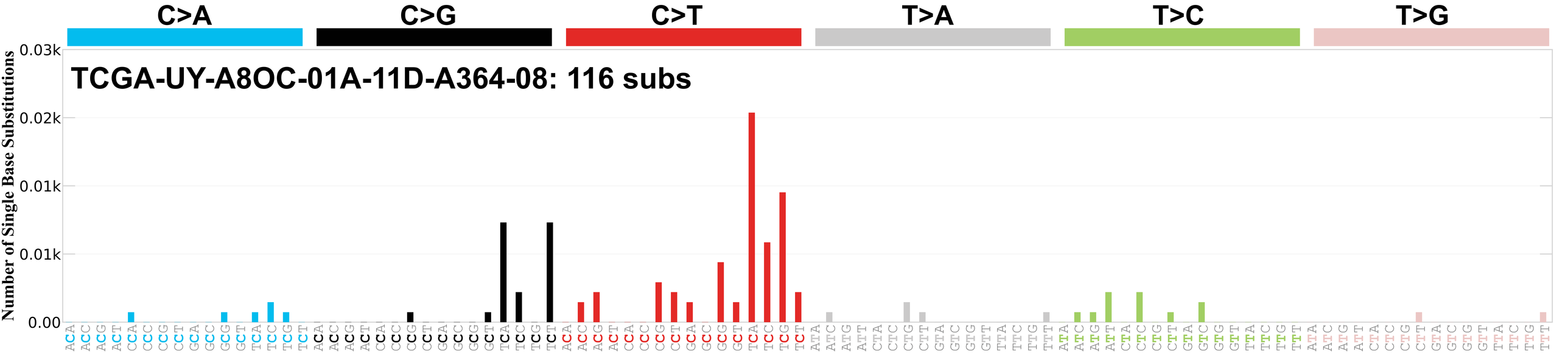

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78M-01A-21D-A34U-08: 162 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

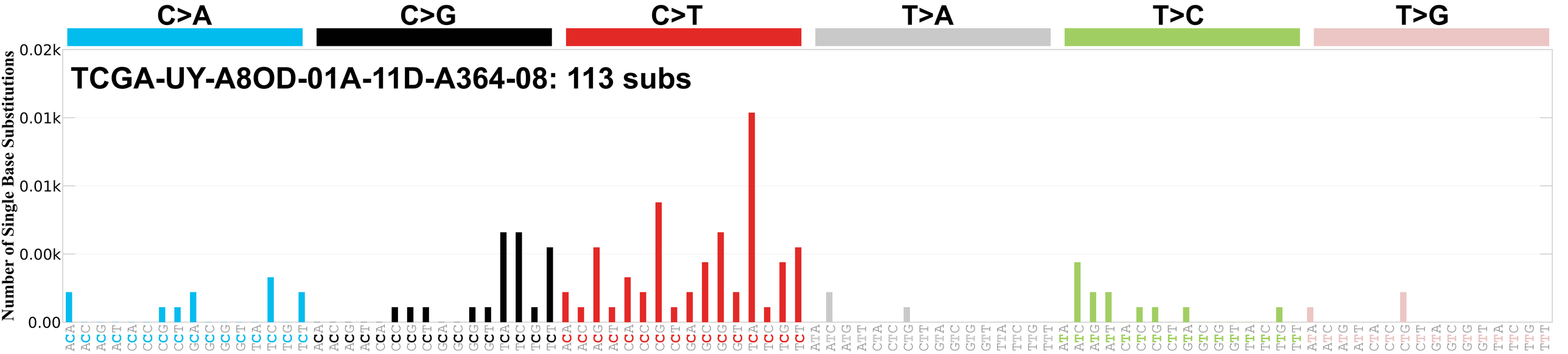

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78N-01A-12D-A339-08: 275 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

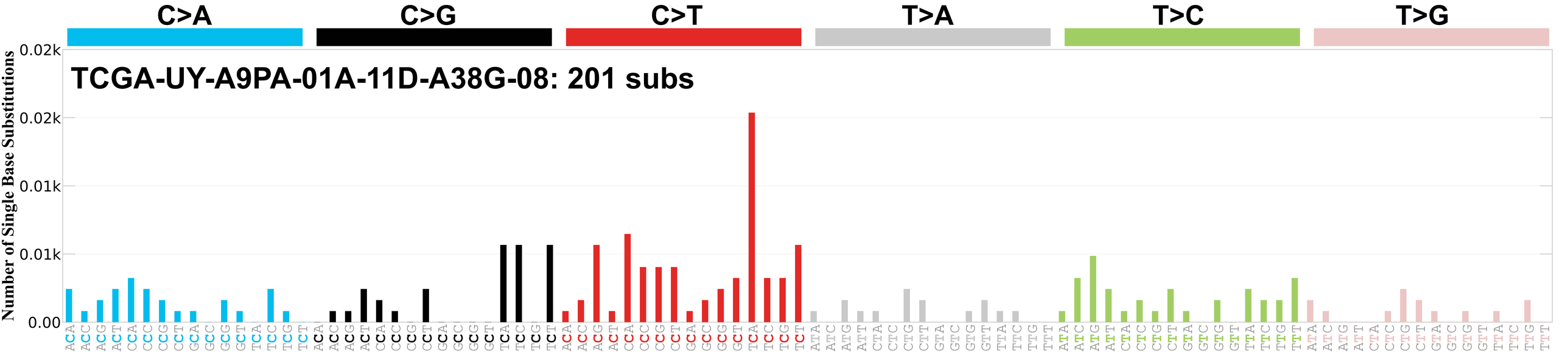

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78O-01A-12D-A339-08: 221 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

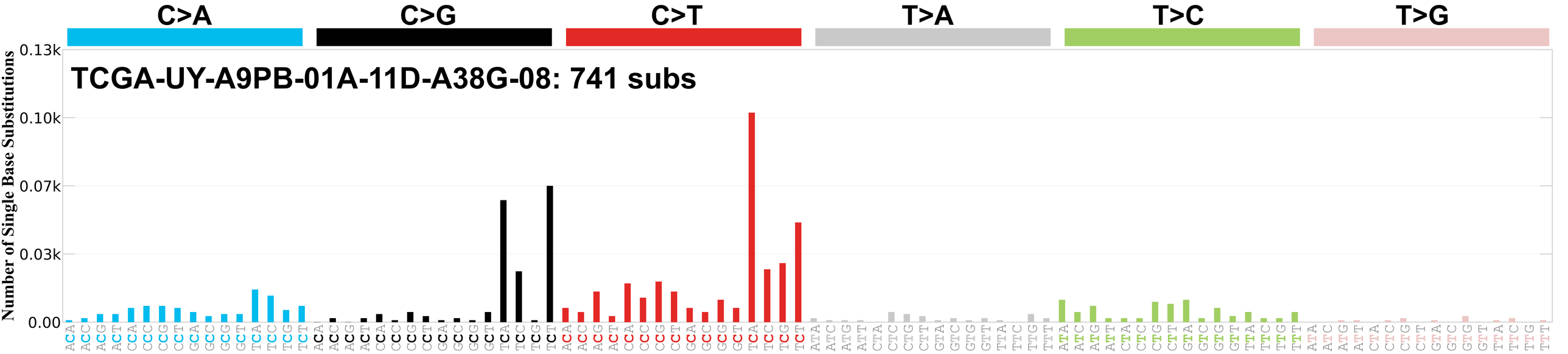

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A78P-01A-12D-A364-08: 351 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

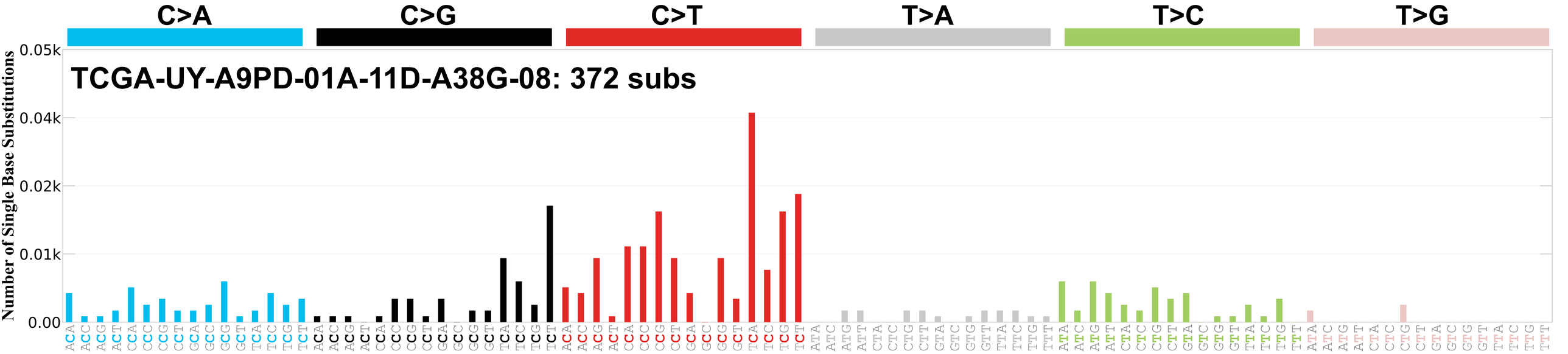

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A8OB-01A-12D-A42E-08: 393 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

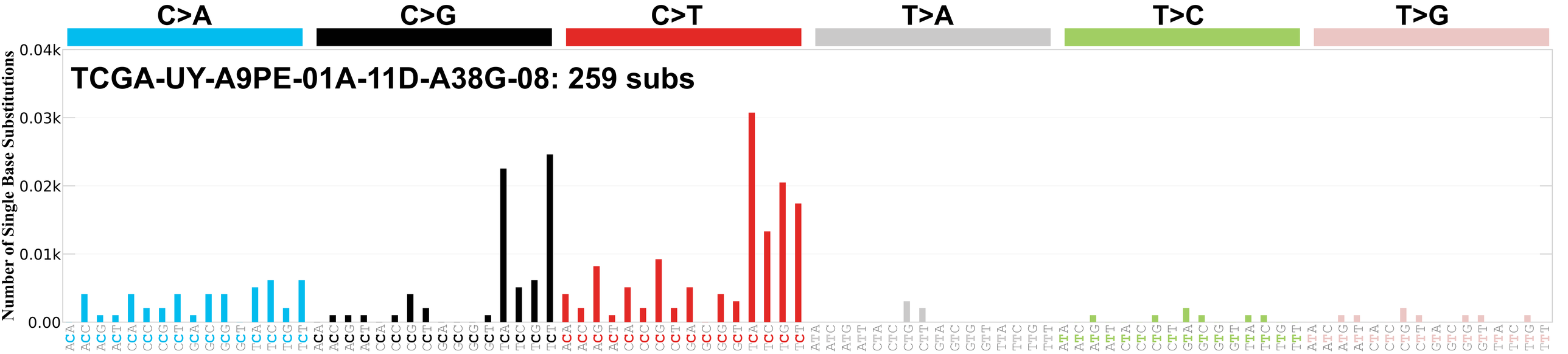

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A8OC-01A-11D-A364-08: 116 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

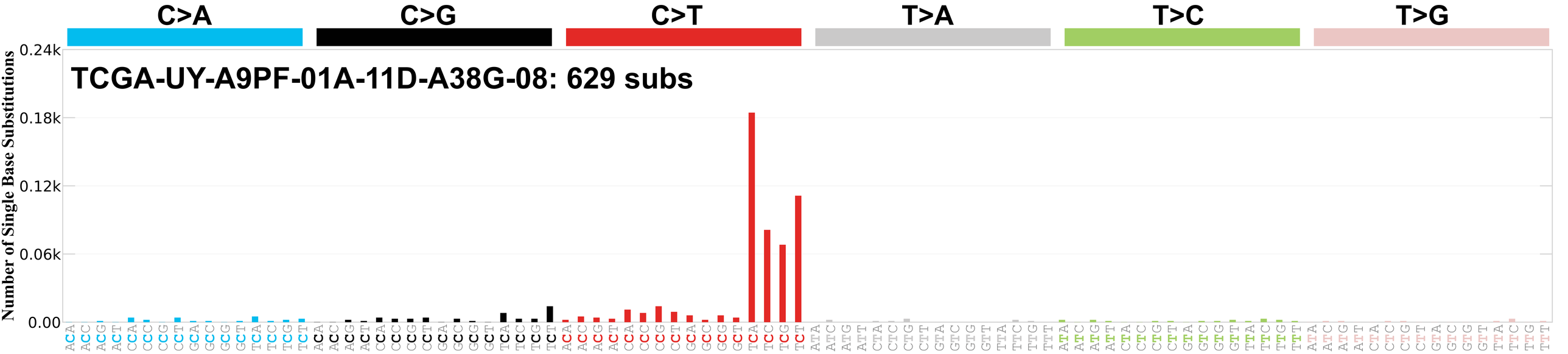

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A8OD-01A-11D-A364-08: 113 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

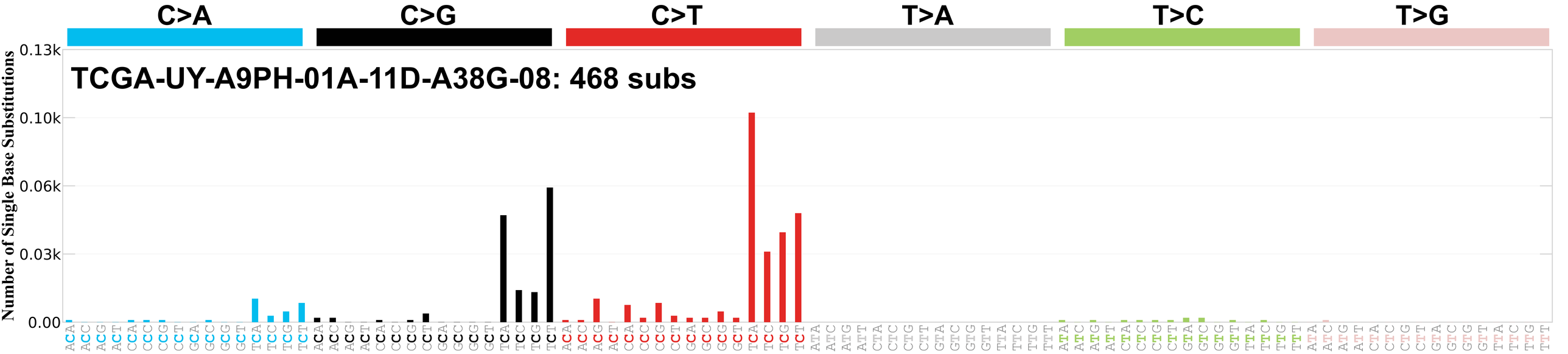

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PA-01A-11D-A38G-08: 201 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

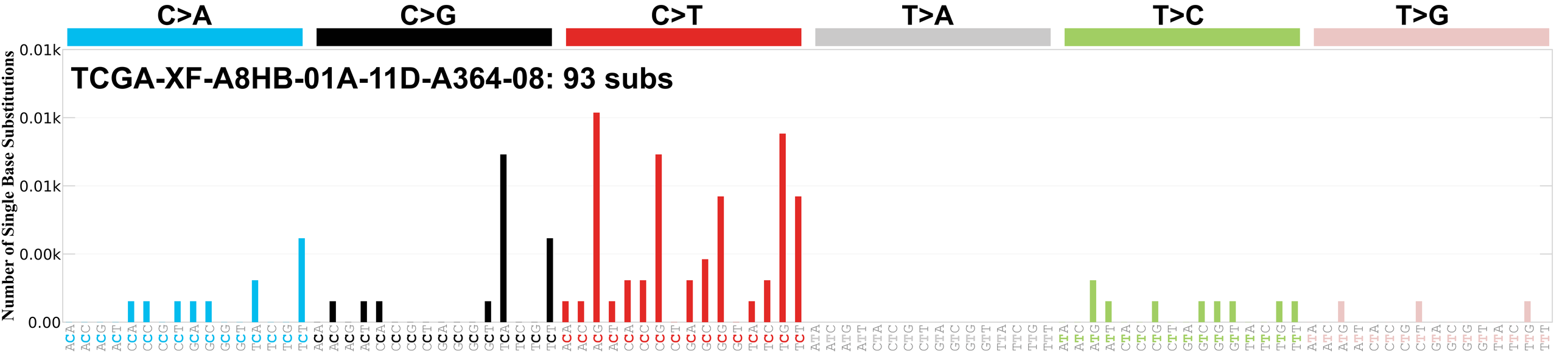

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PB-01A-11D-A38G-08: 741 subs
Number of Single Base Substitutions
0.13k
0.10k
0.07k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

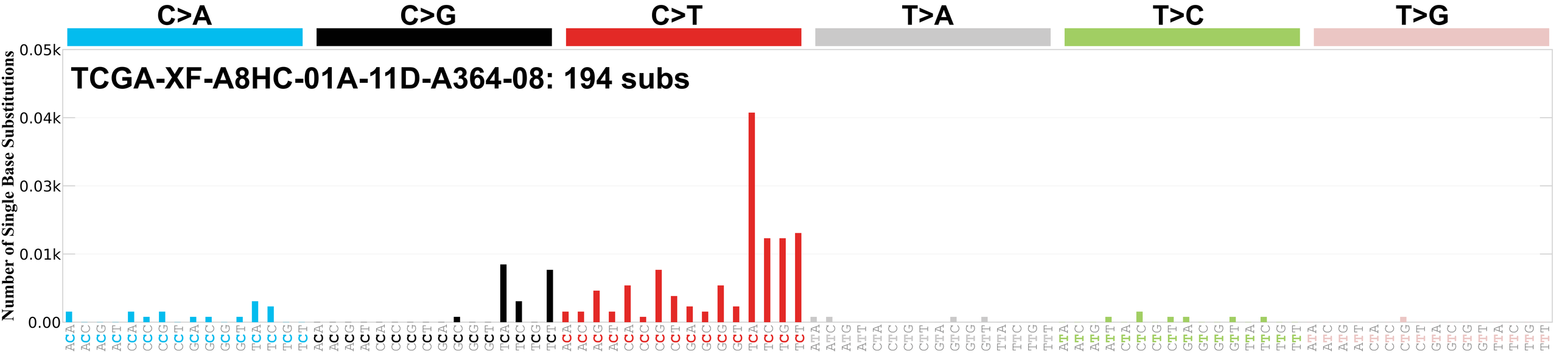

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PD-01A-11D-A38G-08: 372 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00

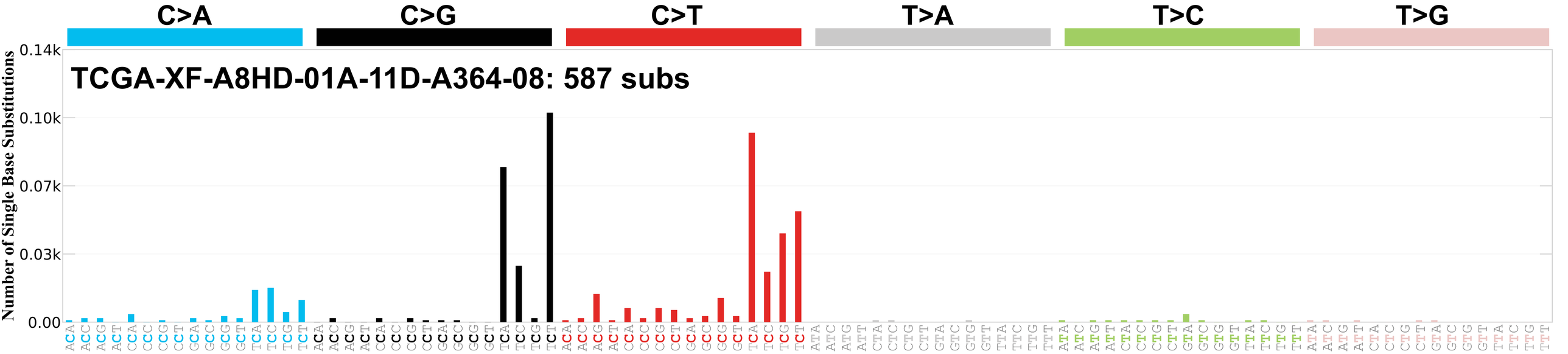

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PE-01A-11D-A38G-08: 259 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

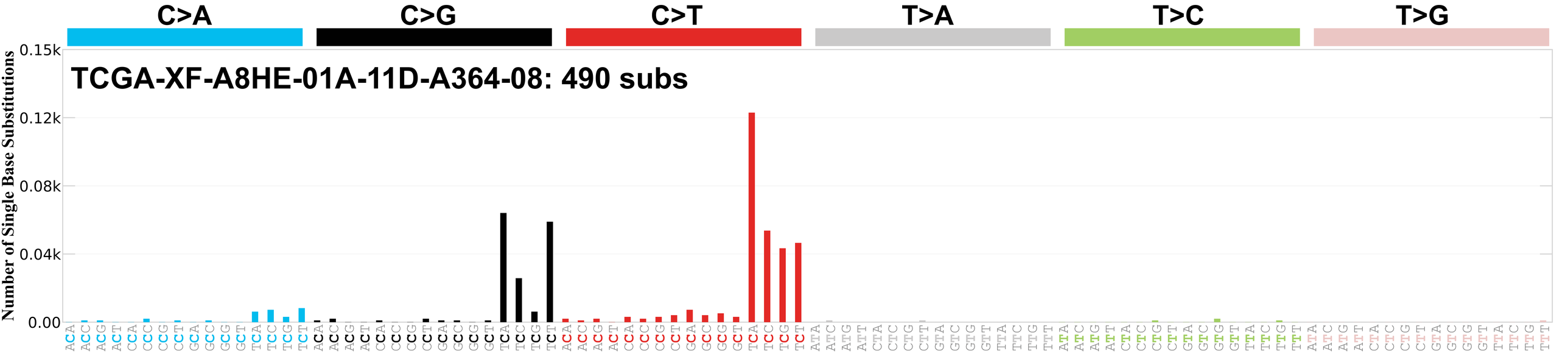

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PF-01A-11D-A38G-08: 629 subs
Number of Single Base Substitutions
0.24k
0.18k
0.12k
0.06k
0.00

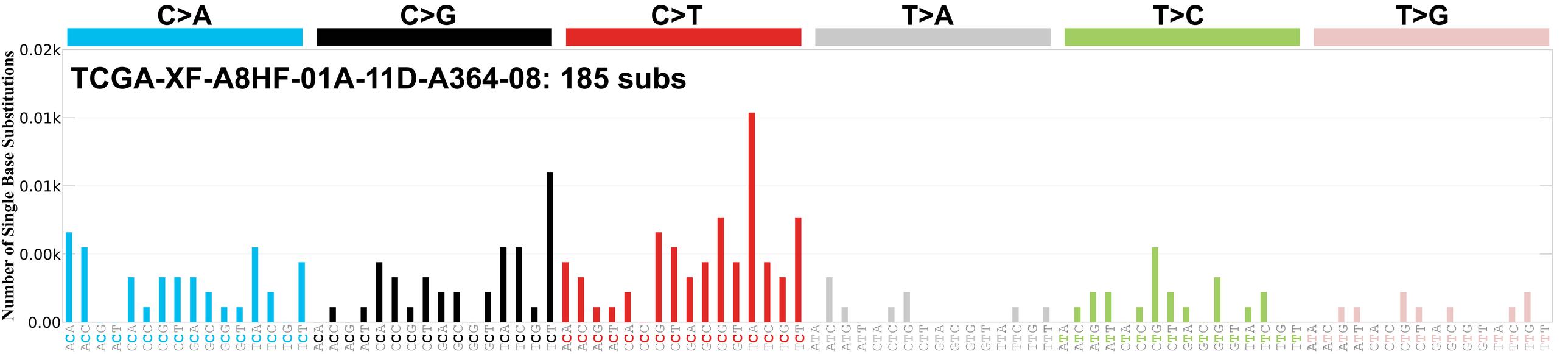

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-UY-A9PH-01A-11D-A38G-08: 468 subs
Number of Single Base Substitutions
0.13k
0.10k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

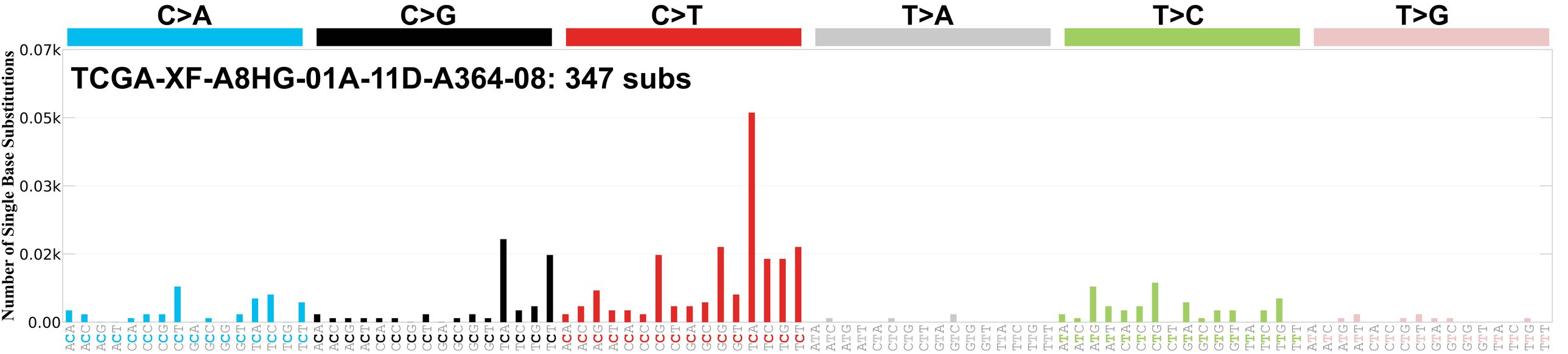

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HB-01A-11D-A364-08: 93 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

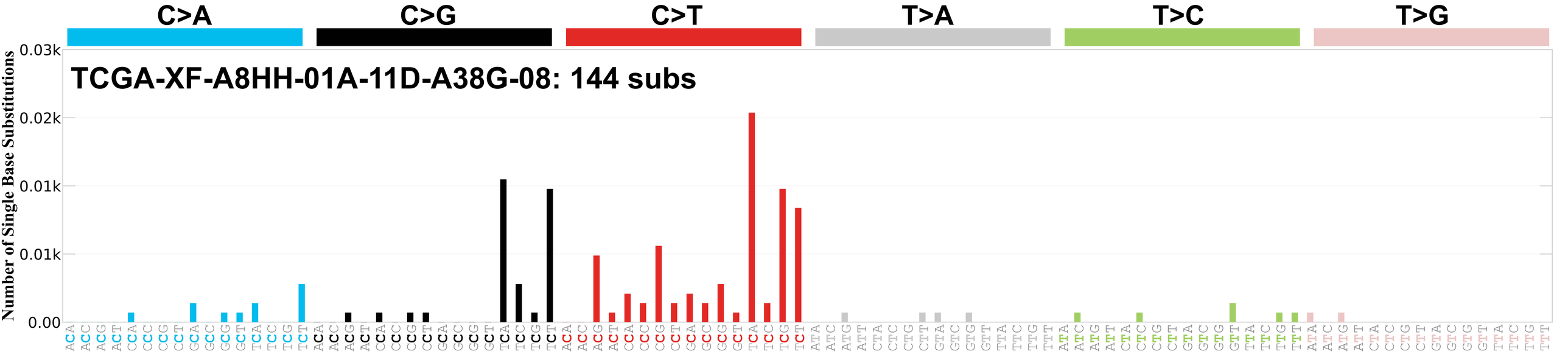

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HC-01A-11D-A364-08: 194 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

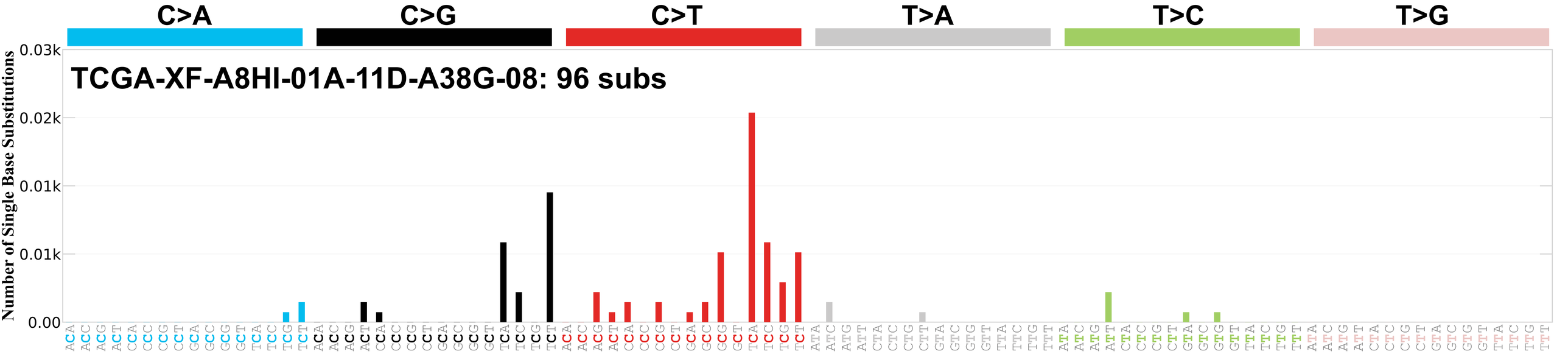

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HD-01A-11D-A364-08: 587 subs
Number of Single Base Substitutions
0.14k
0.10k
0.07k
0.03k
0.00

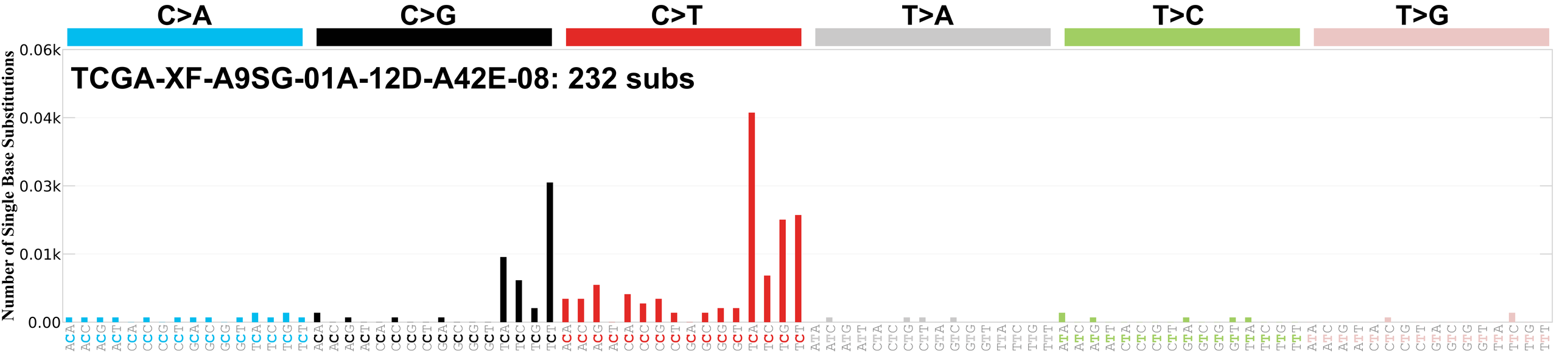

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HE-01A-11D-A364-08: 490 subs
Number of Single Base Substitutions
0.15k
0.12k
0.08k
0.04k
0.00

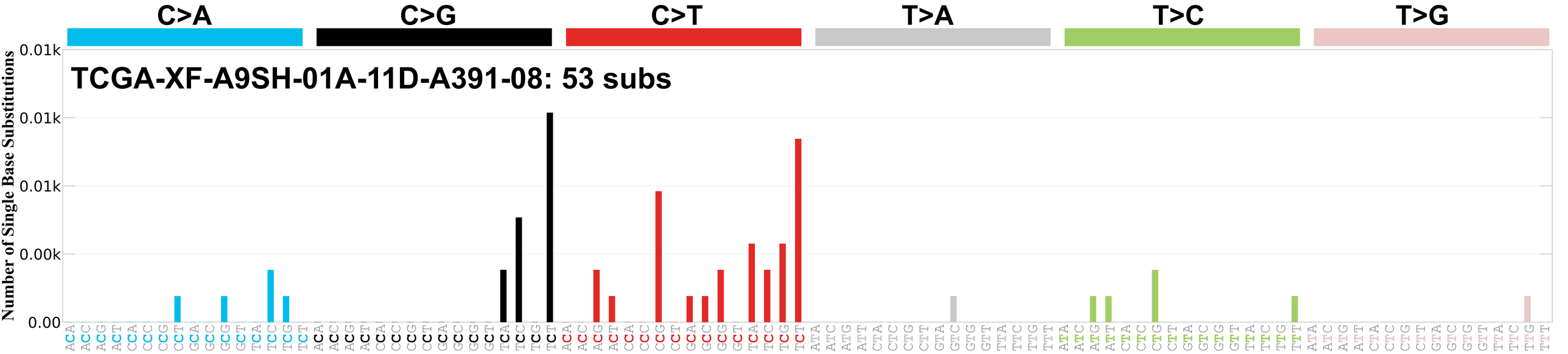

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HF-01A-11D-A364-08: 185 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

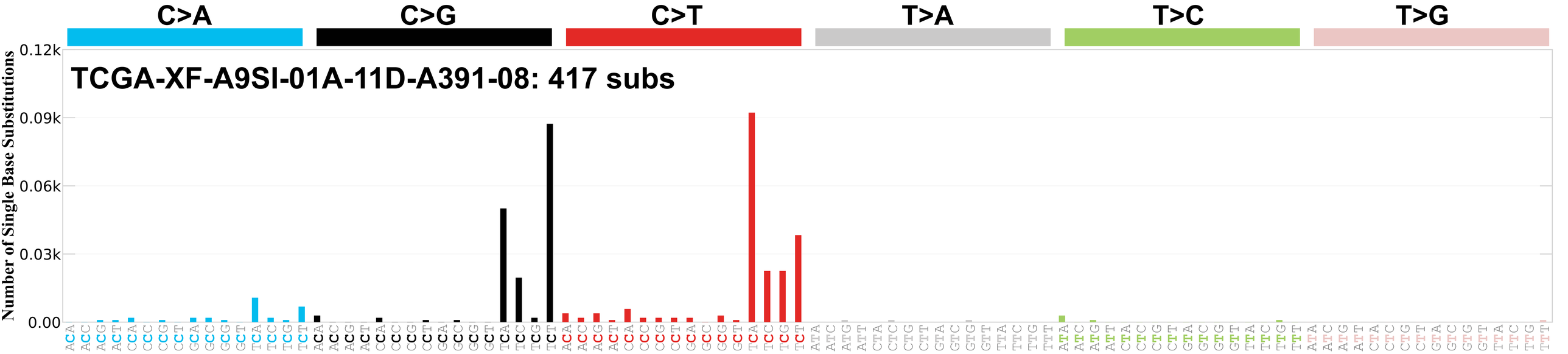

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HG-01A-11D-A364-08: 347 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

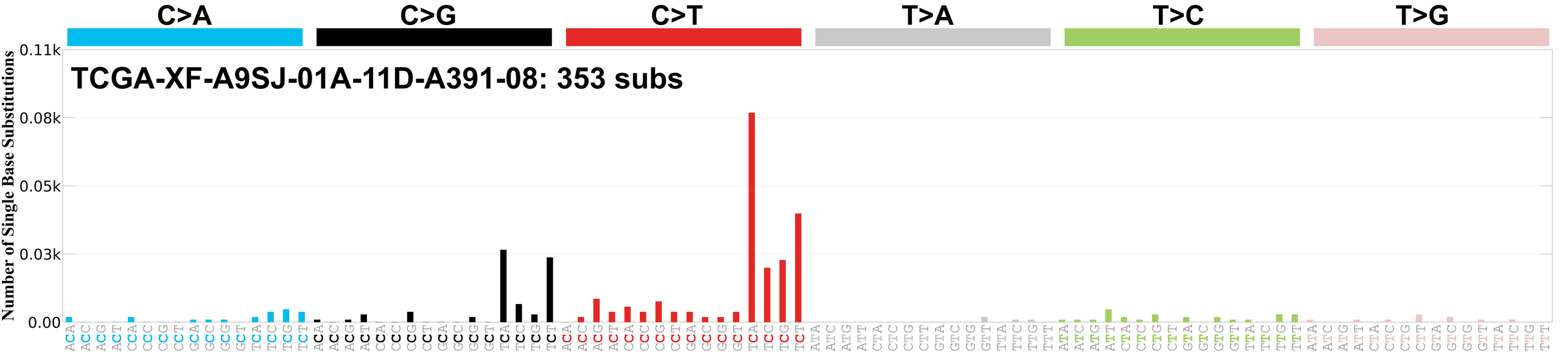

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HH-01A-11D-A38G-08: 144 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

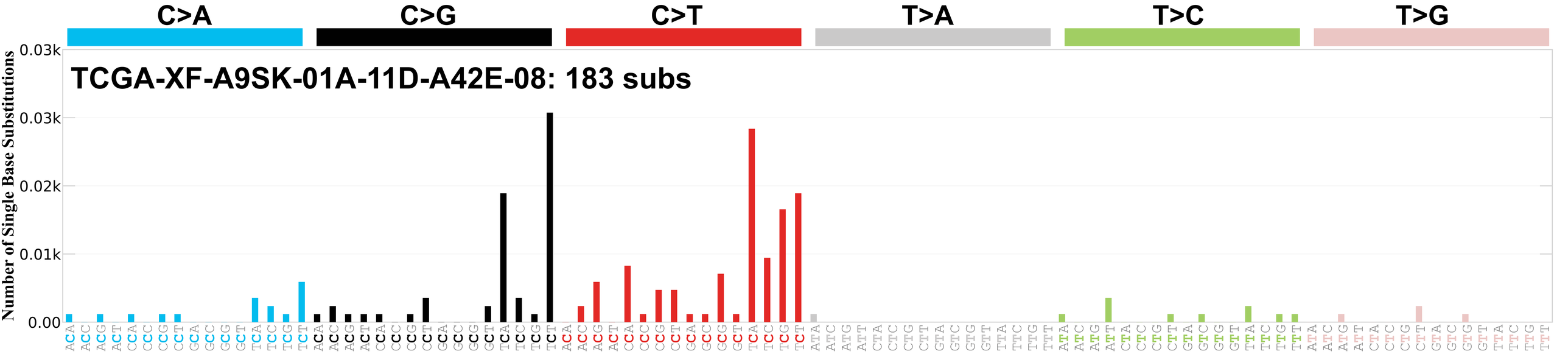

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A8HI-01A-11D-A38G-08: 96 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

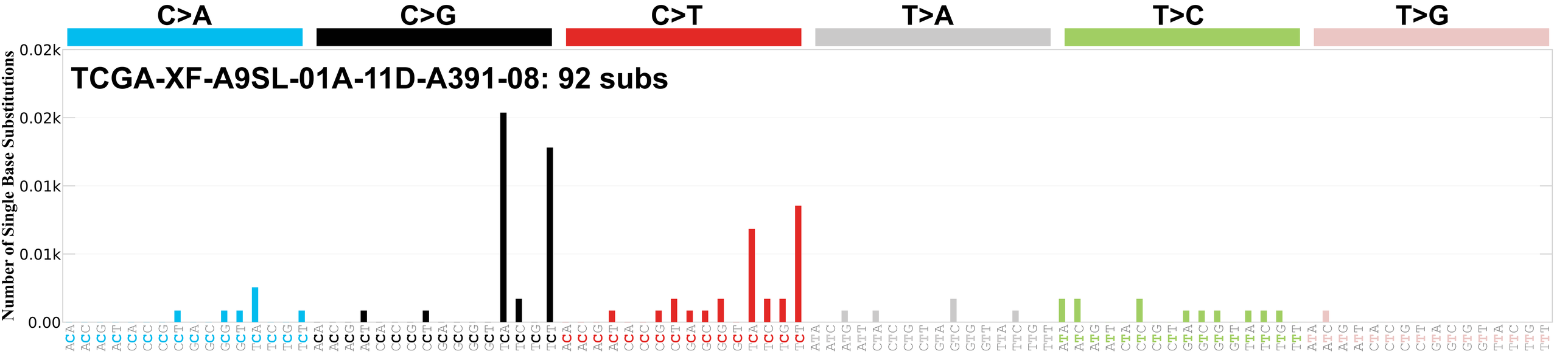

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SG-01A-12D-A42E-08: 232 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

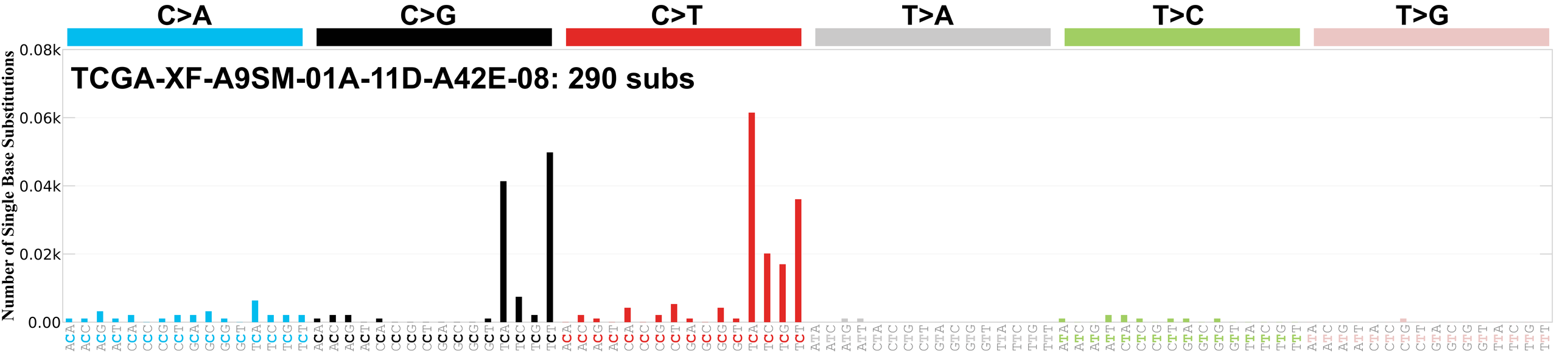

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SH-01A-11D-A391-08: 53 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

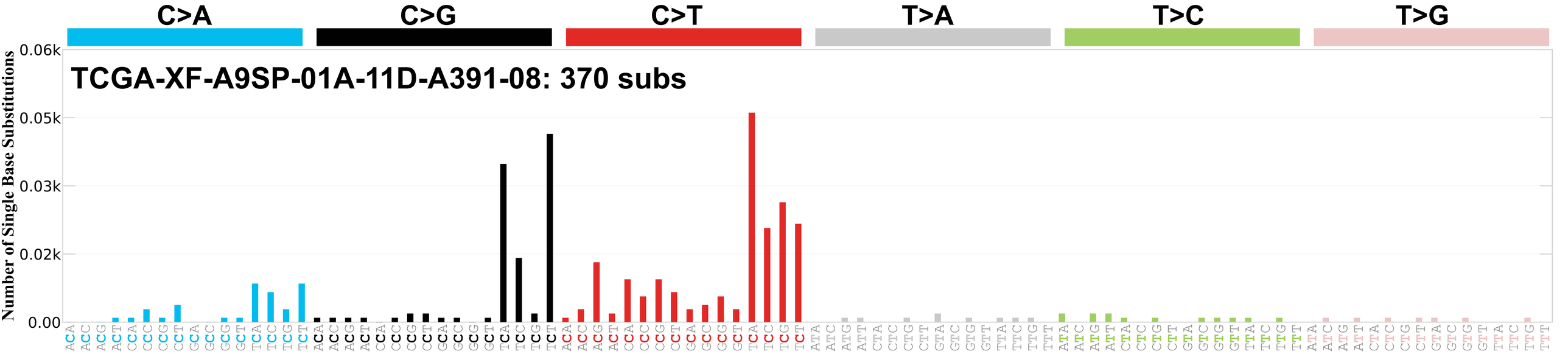

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SI-01A-11D-A391-08: 417 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00

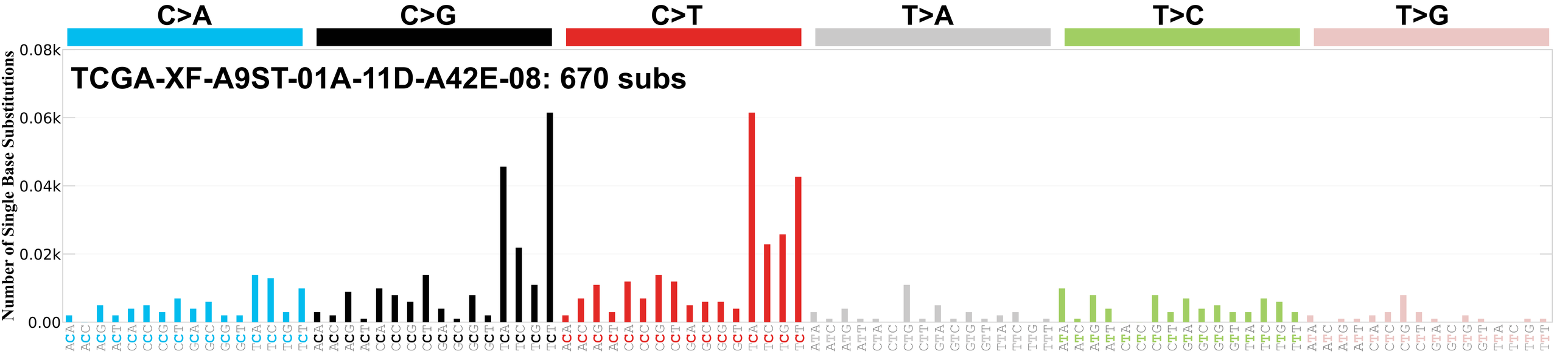

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SJ-01A-11D-A391-08: 353 subs
Number of Single Base Substitutions
0.11k
0.08k
0.05k
0.03k
0.00

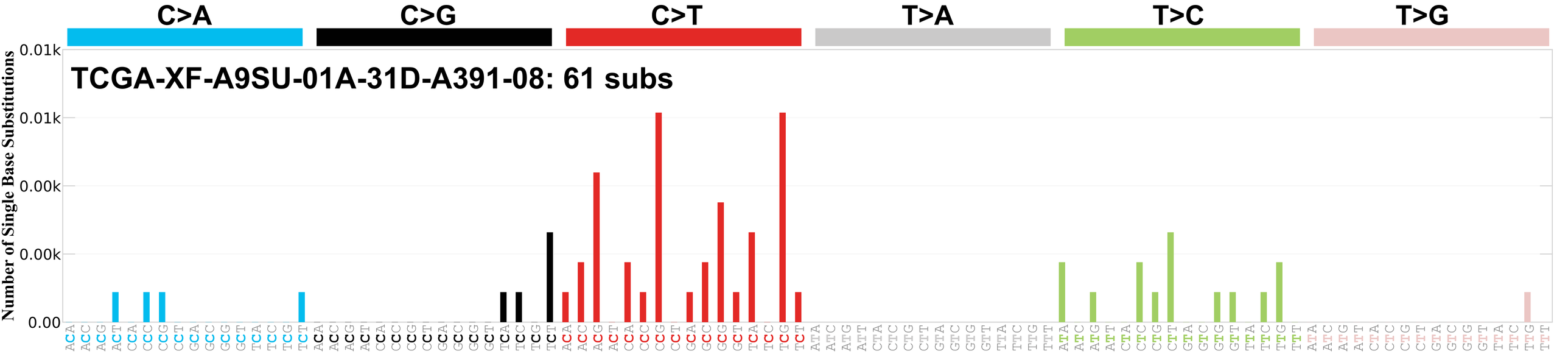

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SK-01A-11D-A42E-08: 183 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00

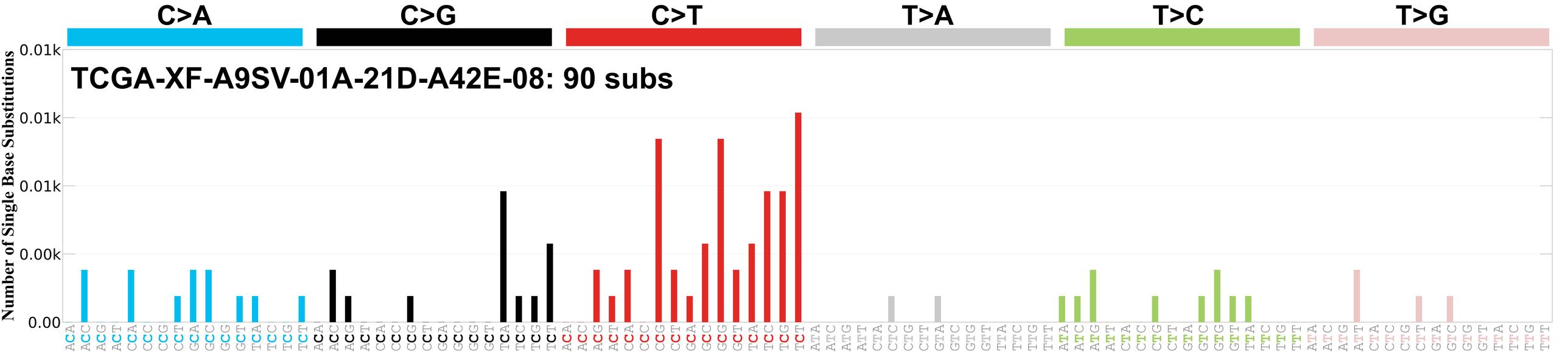

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SL-01A-11D-A391-08: 92 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

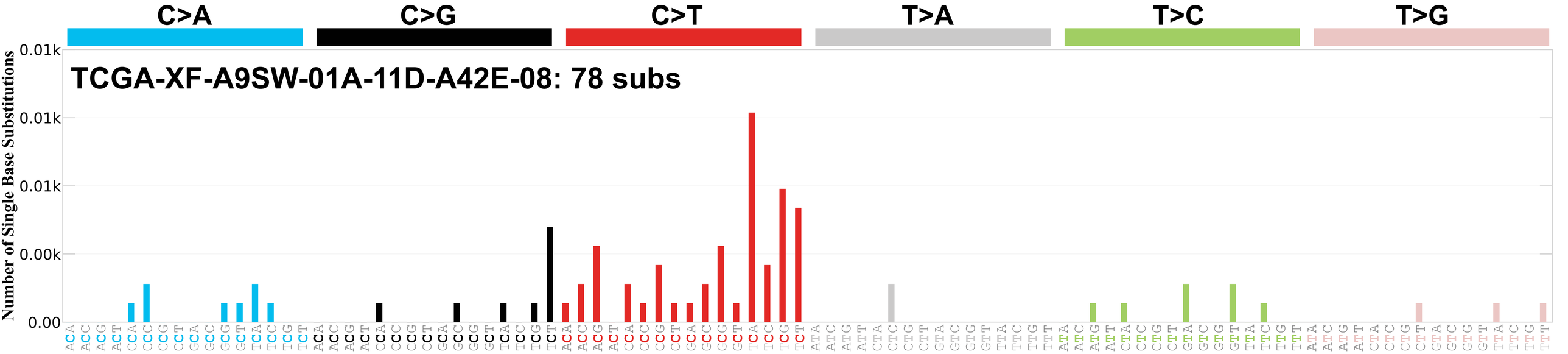

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SM-01A-11D-A42E-08: 290 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

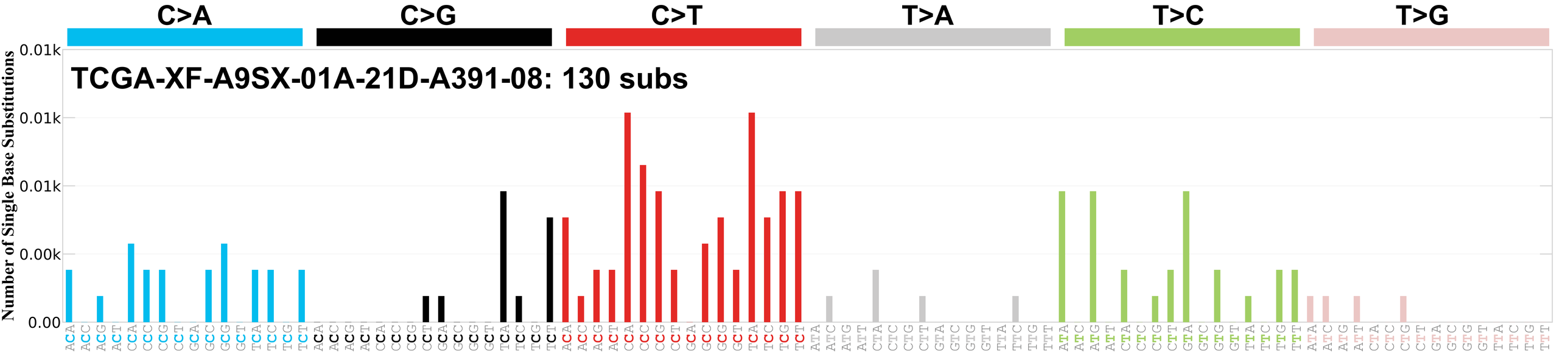

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SP-01A-11D-A391-08: 370 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00

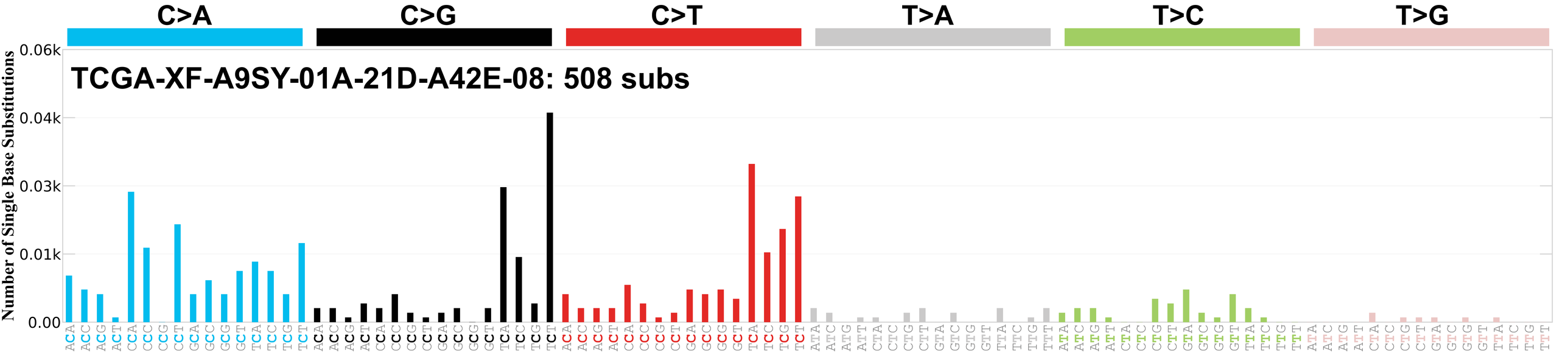

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9ST-01A-11D-A42E-08: 670 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

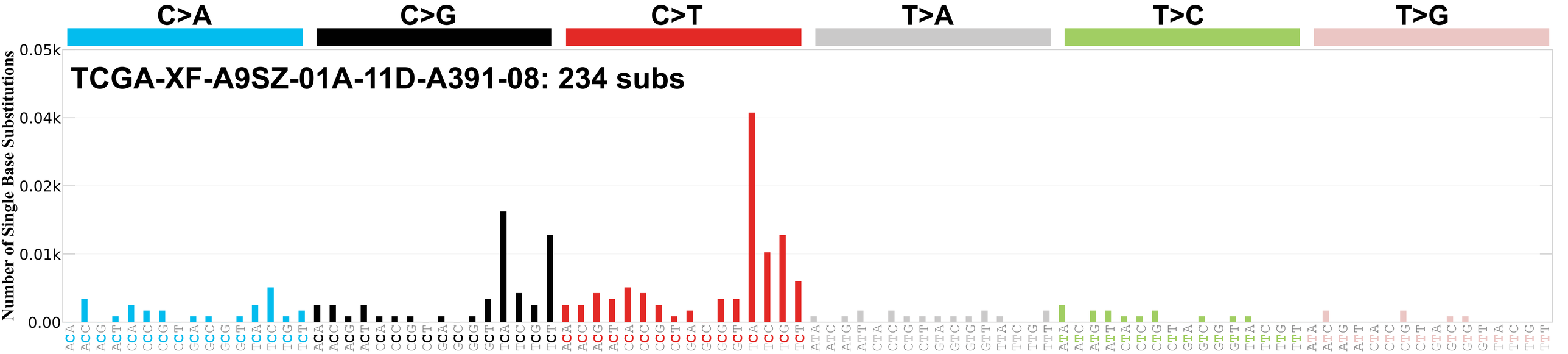

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SU-01A-31D-A391-08: 61 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

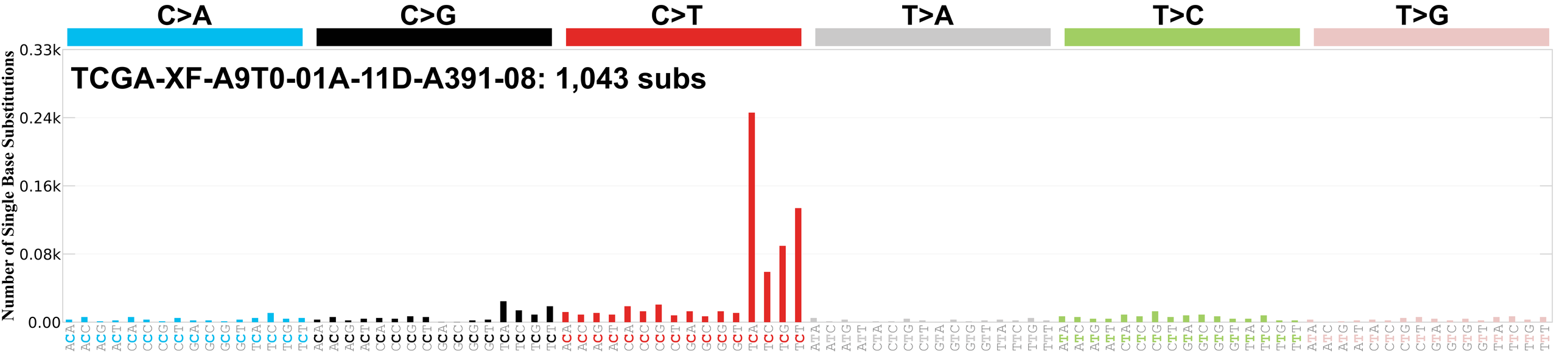

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SV-01A-21D-A42E-08: 90 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

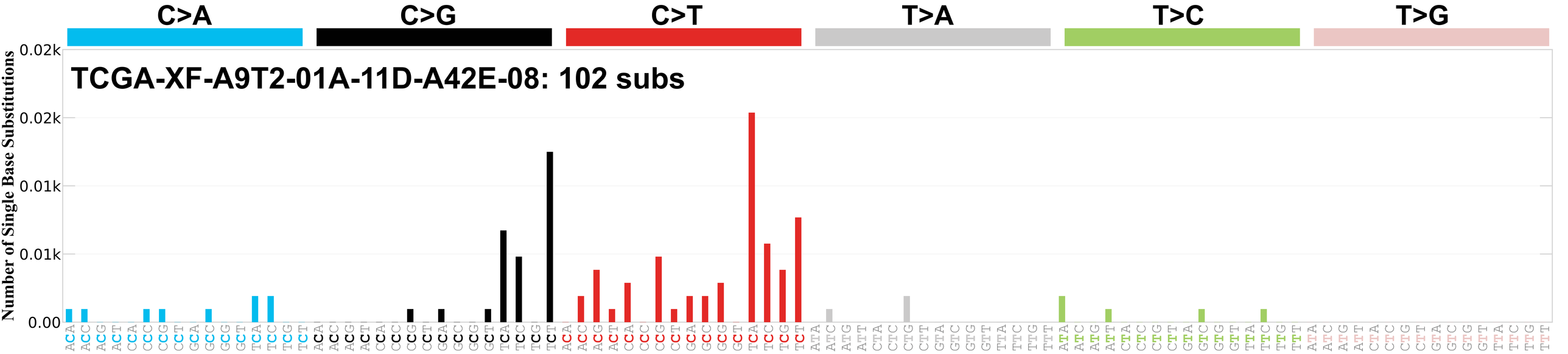

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SW-01A-11D-A42E-08: 78 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

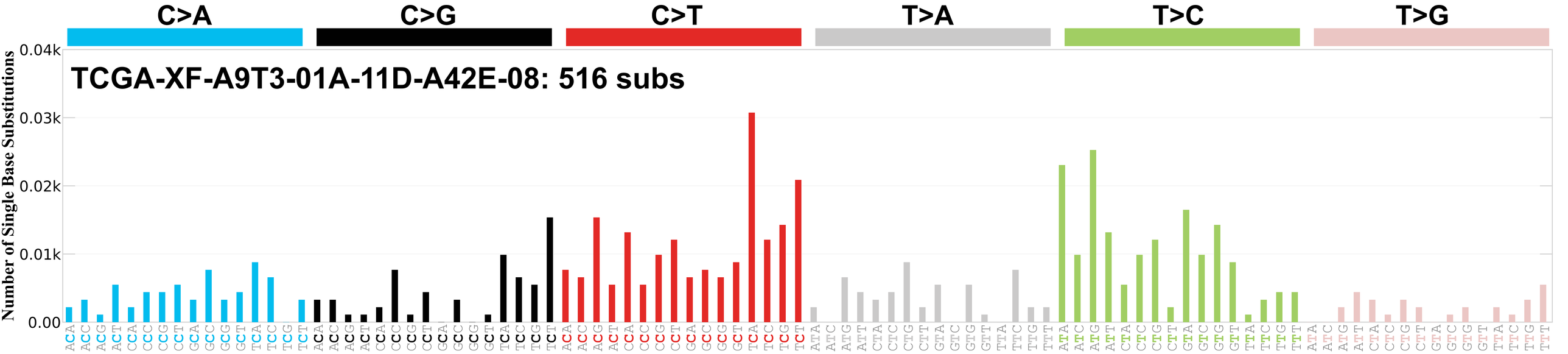

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SX-01A-21D-A391-08: 130 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

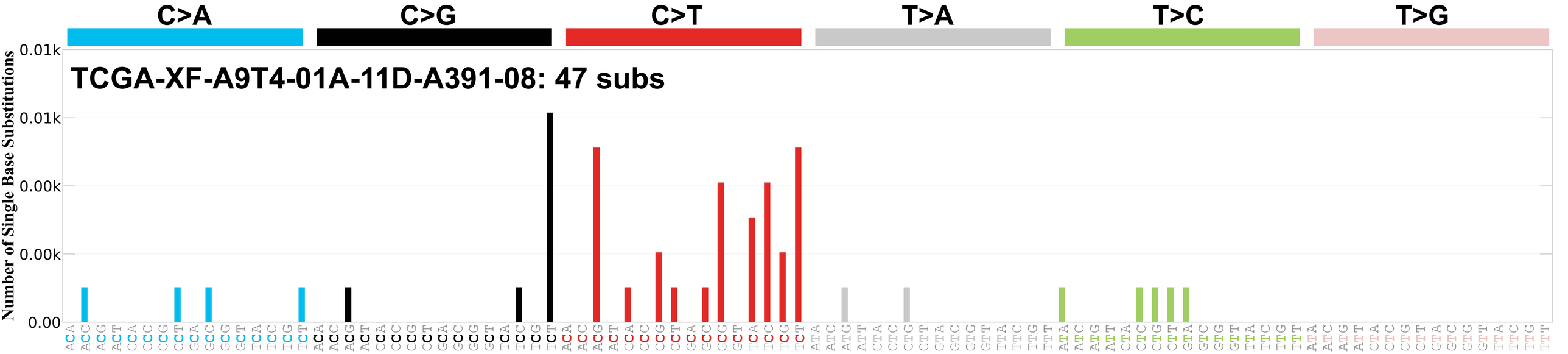

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SY-01A-21D-A42E-08: 508 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00

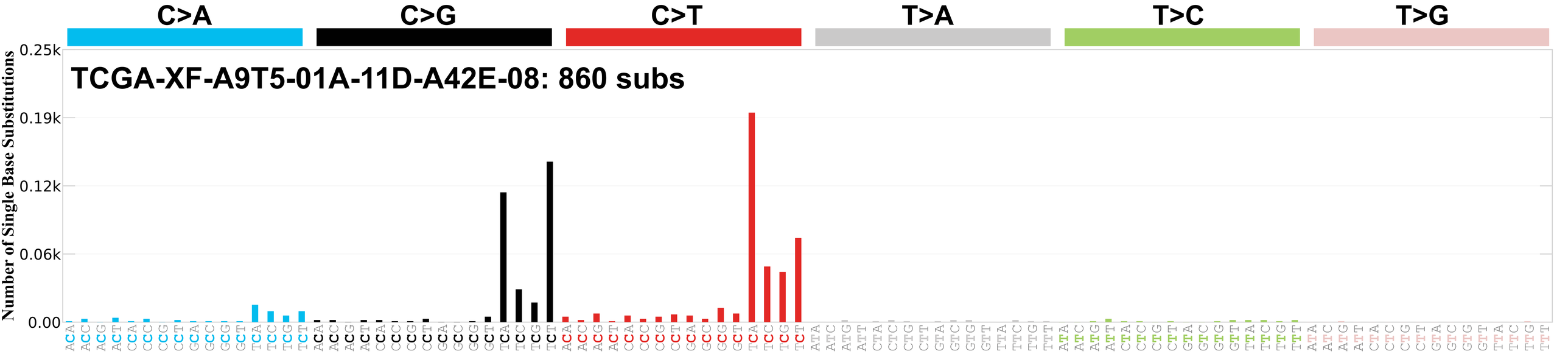

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9SZ-01A-11D-A391-08: 234 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00

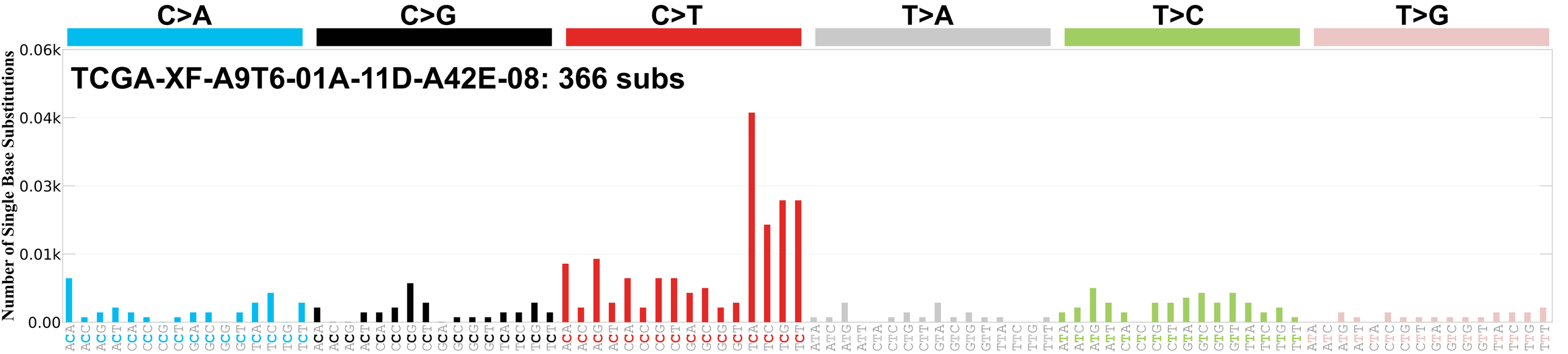

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T0-01A-11D-A391-08: 1,043 subs
Number of Single Base Substitutions
0.33k
0.24k
0.16k
0.08k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG 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

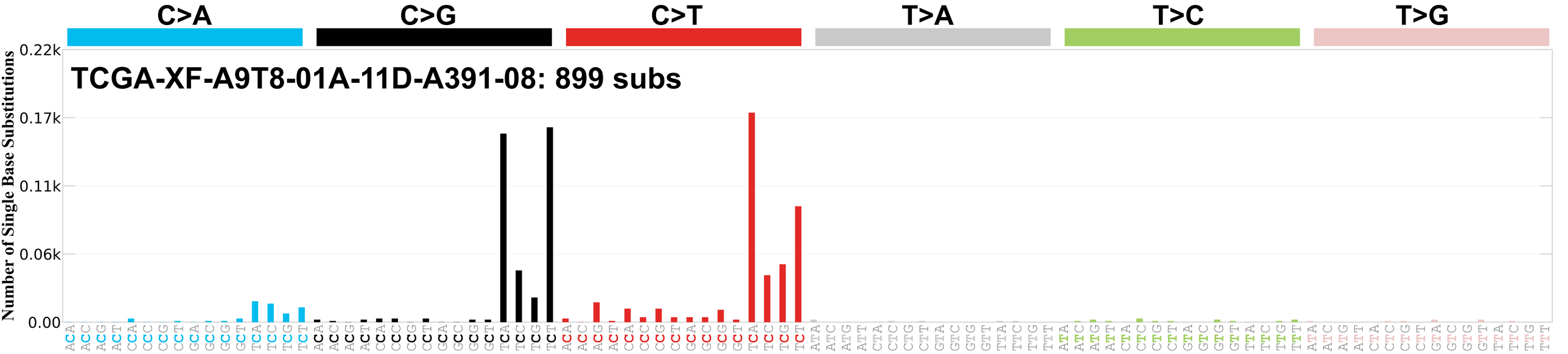

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T2-01A-11D-A42E-08: 102 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00

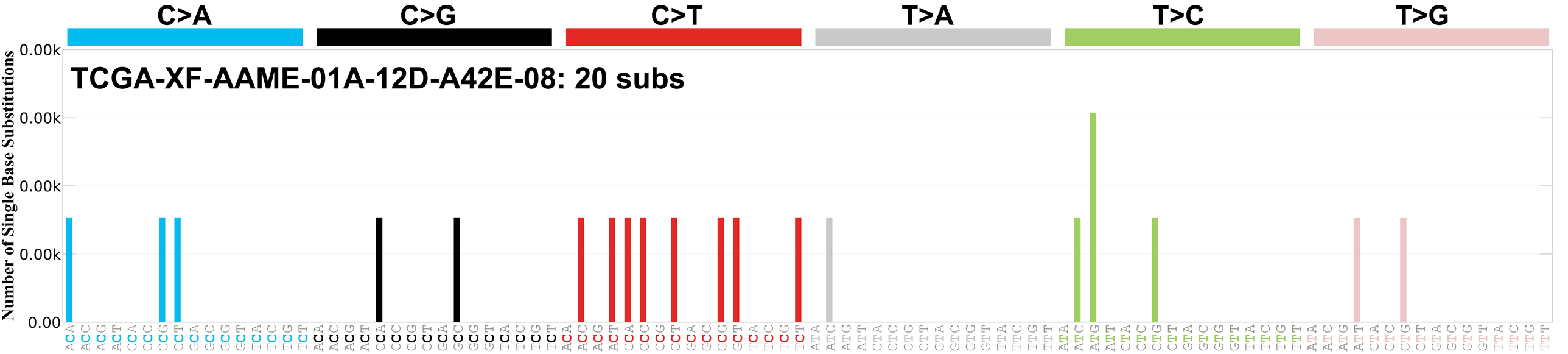

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T3-01A-11D-A42E-08: 516 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

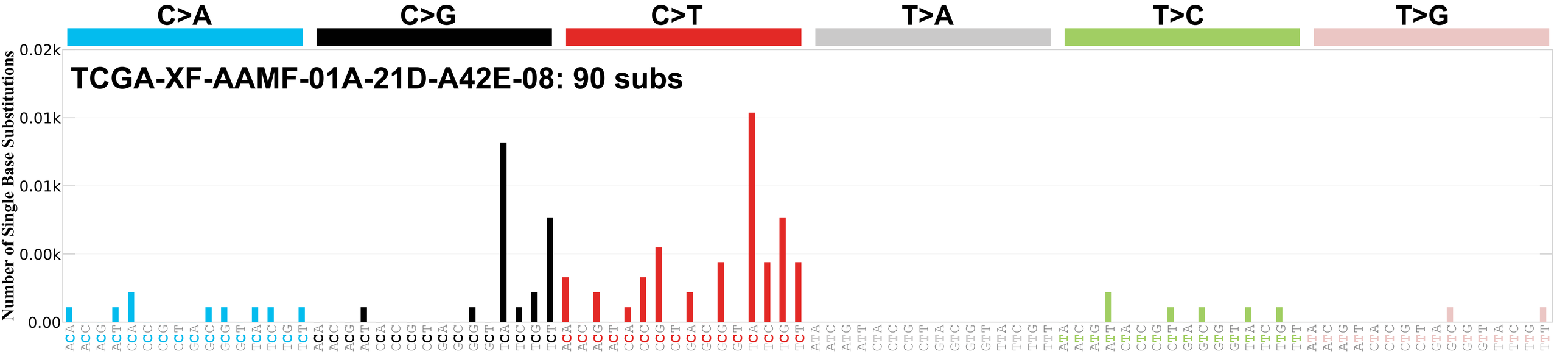

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T4-01A-11D-A391-08: 47 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

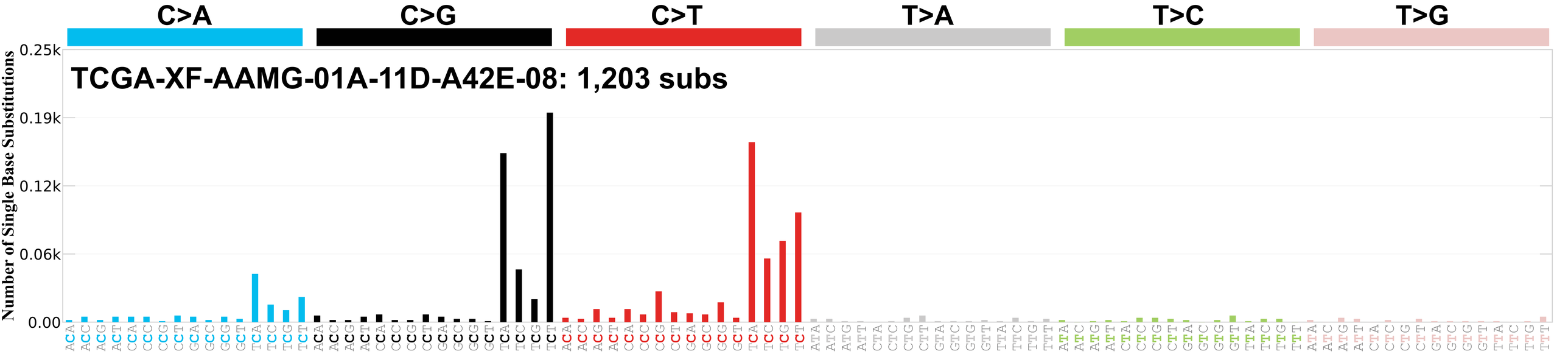

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T5-01A-11D-A42E-08: 860 subs
Number of Single Base Substitutions
0.25k
0.19k
0.12k
0.06k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

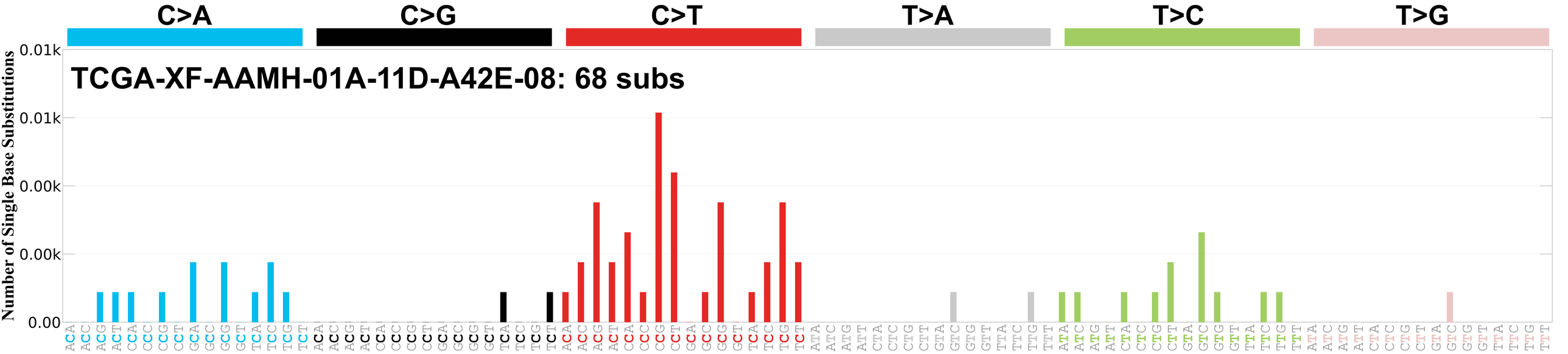

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T6-01A-11D-A42E-08: 366 subs
Number of Single Base Substitutions
0.06k
0.04k
0.03k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

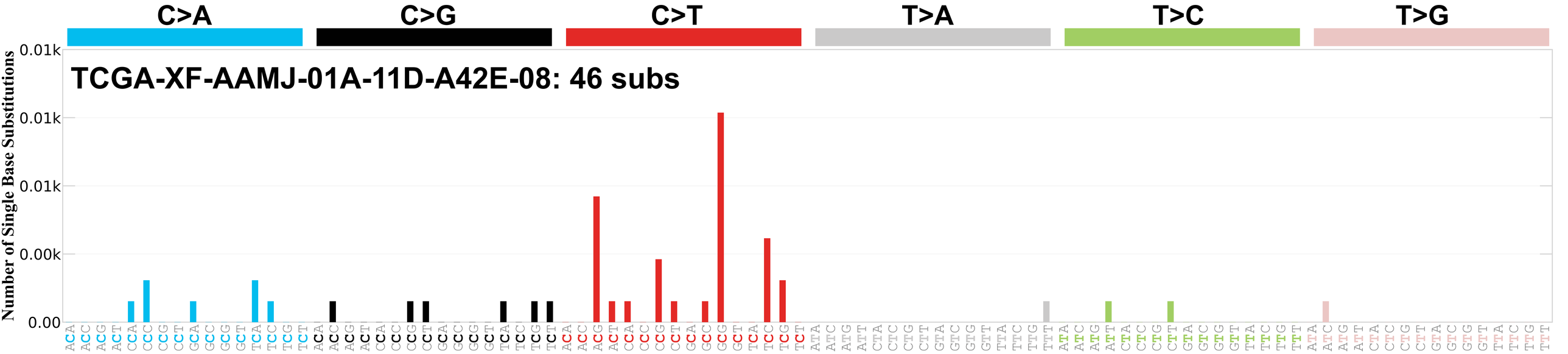

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-A9T8-01A-11D-A391-08: 899 subs
Number of Single Base Substitutions
0.22k
0.17k
0.11k
0.06k
0.00

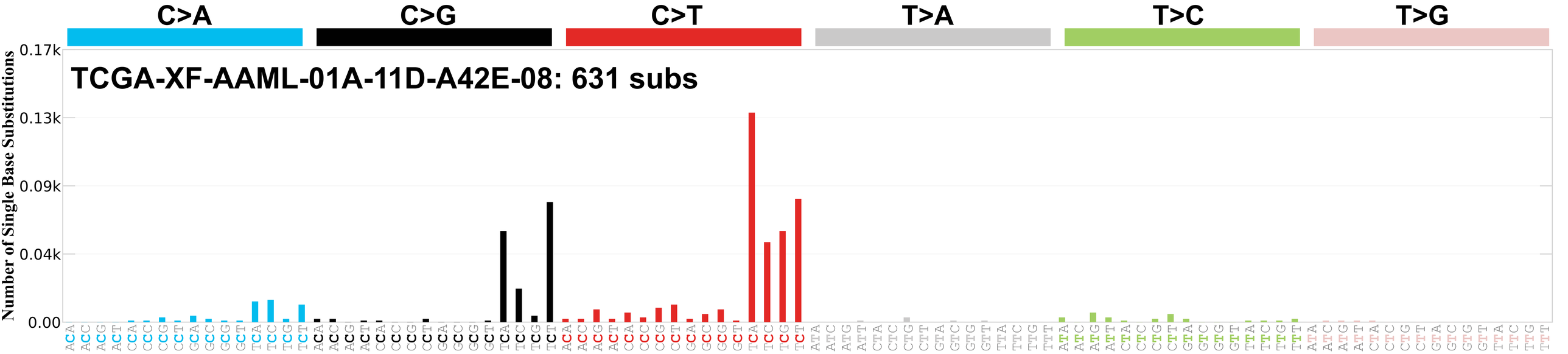

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAME-01A-12D-A42E-08: 20 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

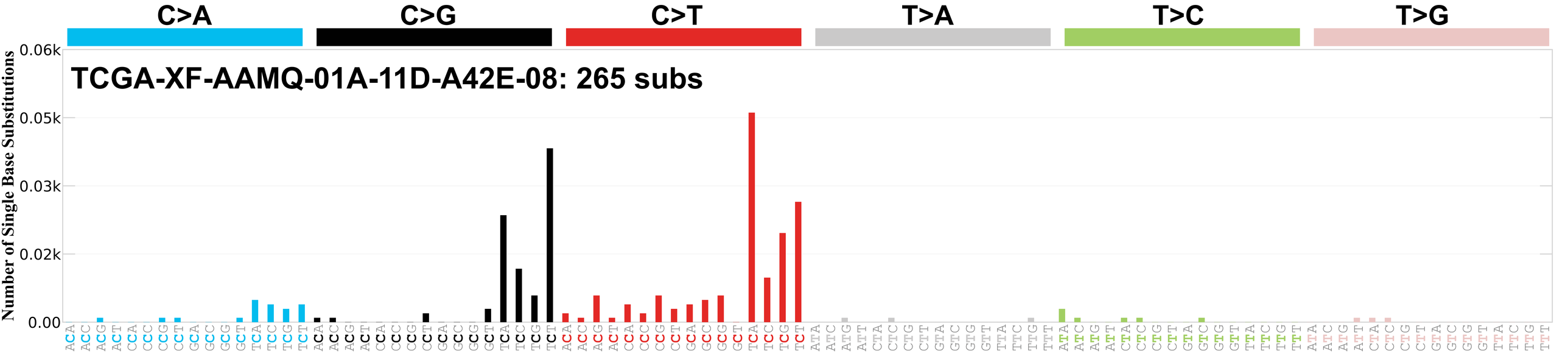

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMF-01A-21D-A42E-08: 90 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

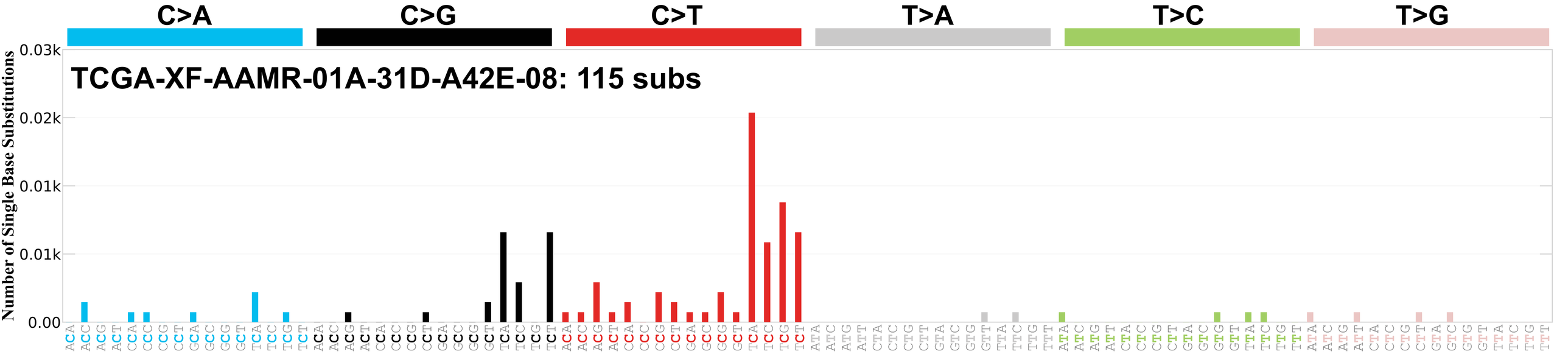

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMG-01A-11D-A42E-08: 1,203 subs
Number of Single Base Substitutions
0.25k
0.19k
0.12k
0.06k
0.00

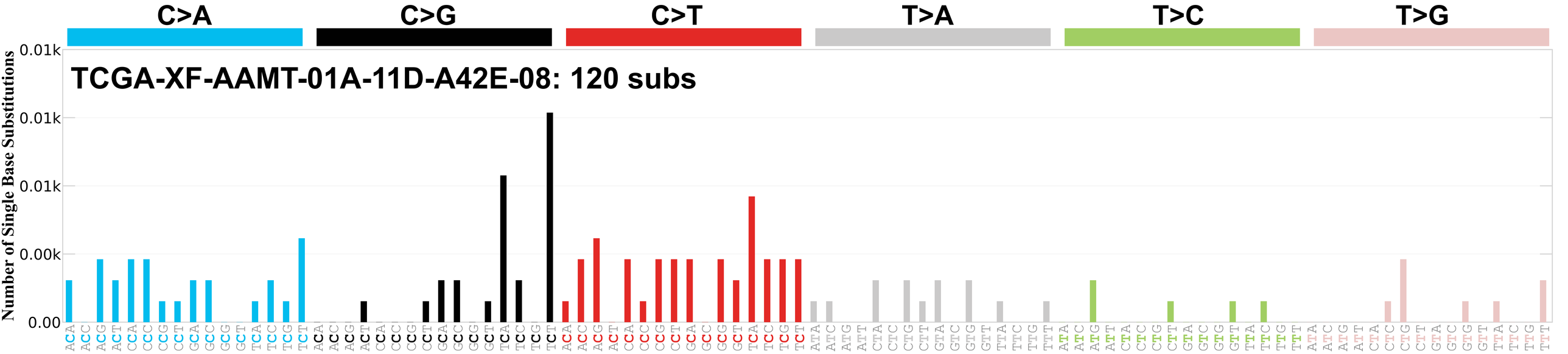

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMH-01A-11D-A42E-08: 68 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00

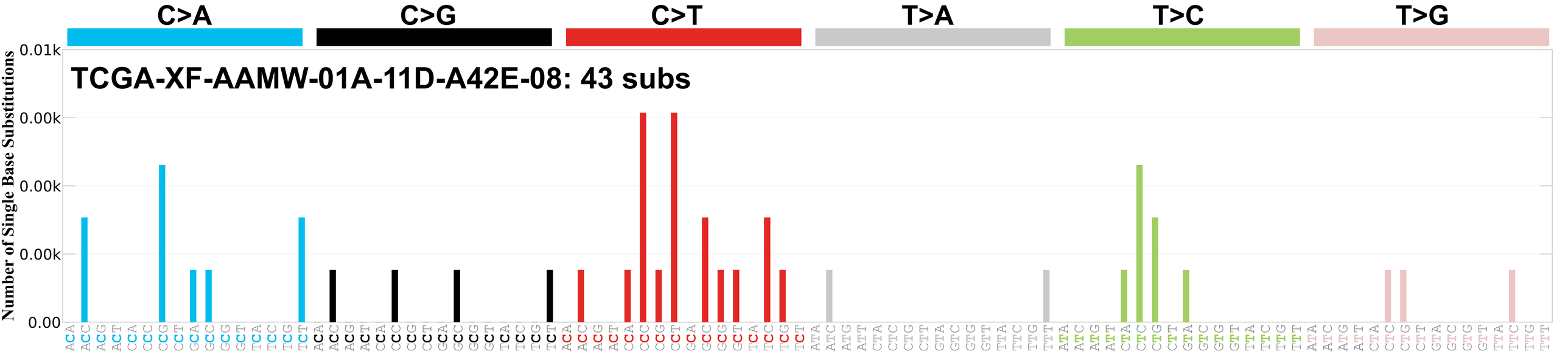

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMJ-01A-11D-A42E-08: 46 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

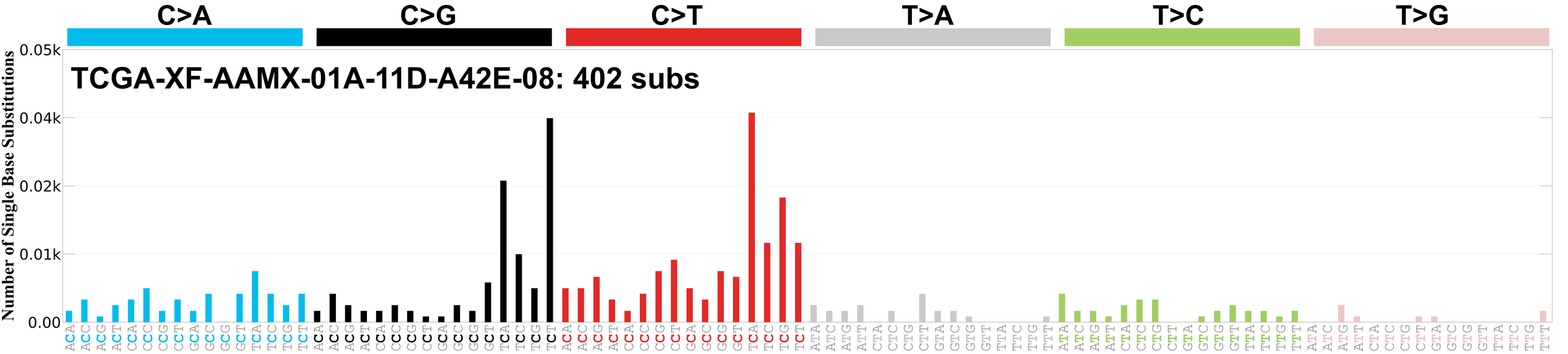

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAML-01A-11D-A42E-08: 631 subs
Number of Single Base Substitutions
0.17k
0.13k
0.09k
0.04k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

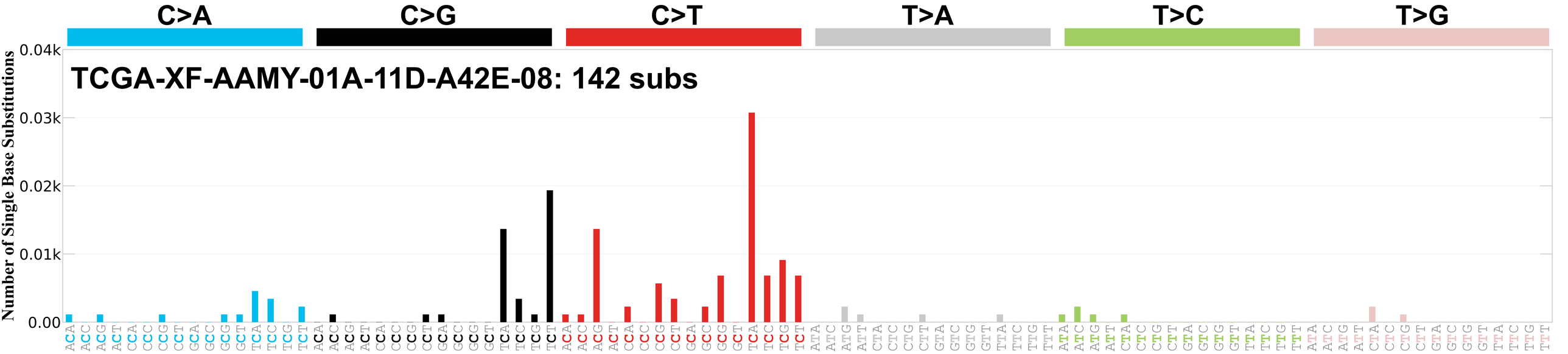

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMQ-01A-11D-A42E-08: 265 subs
Number of Single Base Substitutions
0.06k
0.05k
0.03k
0.02k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

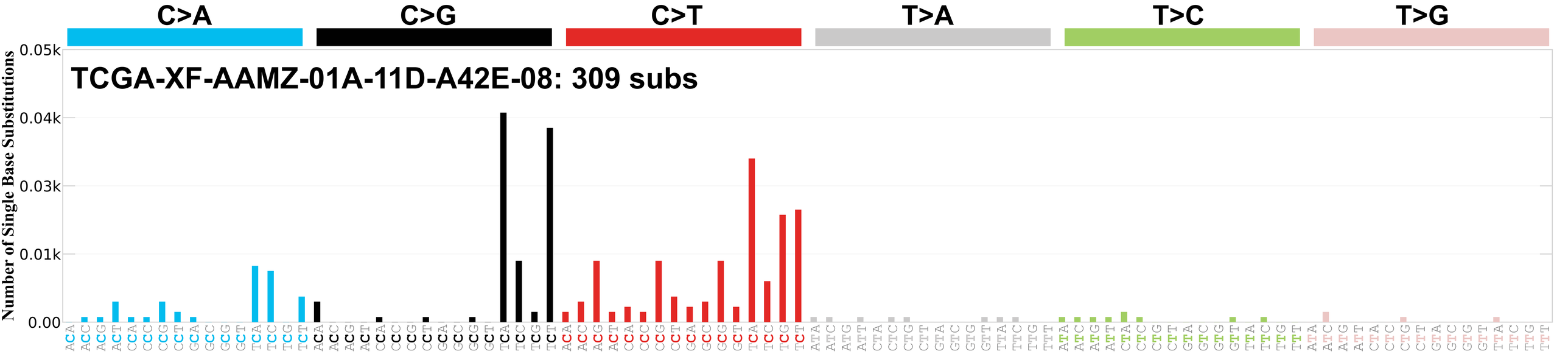

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMR-01A-31D-A42E-08: 115 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

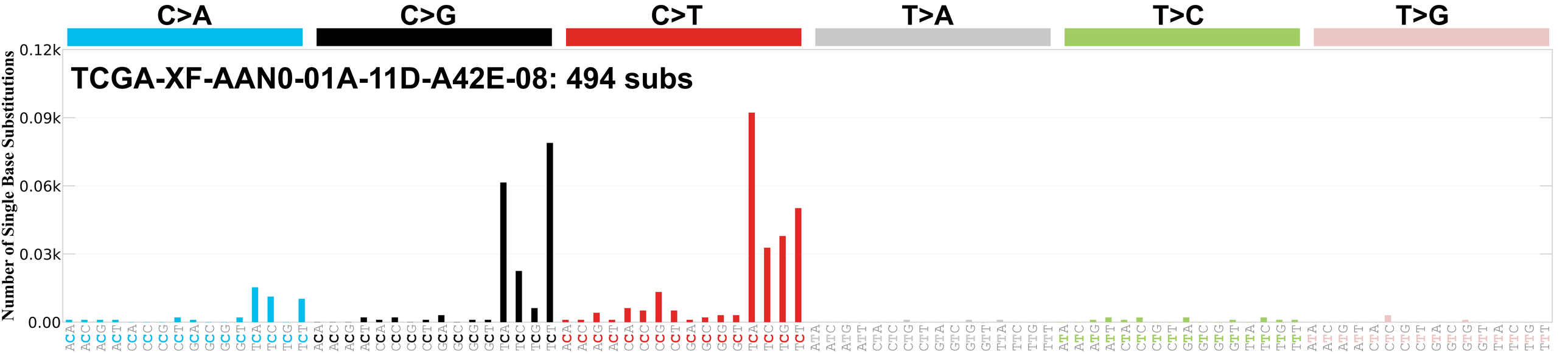

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMT-01A-11D-A42E-08: 120 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

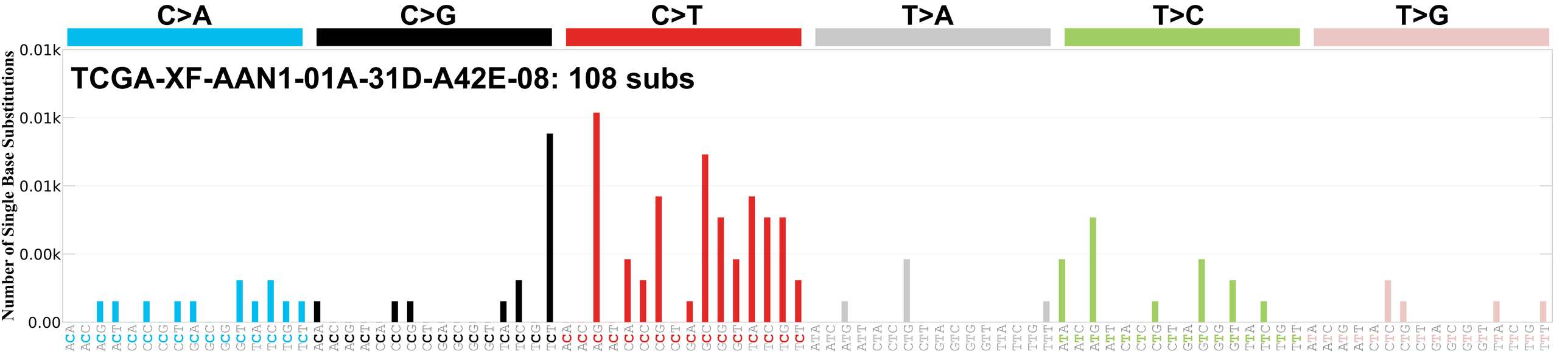

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMW-01A-11D-A42E-08: 43 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00

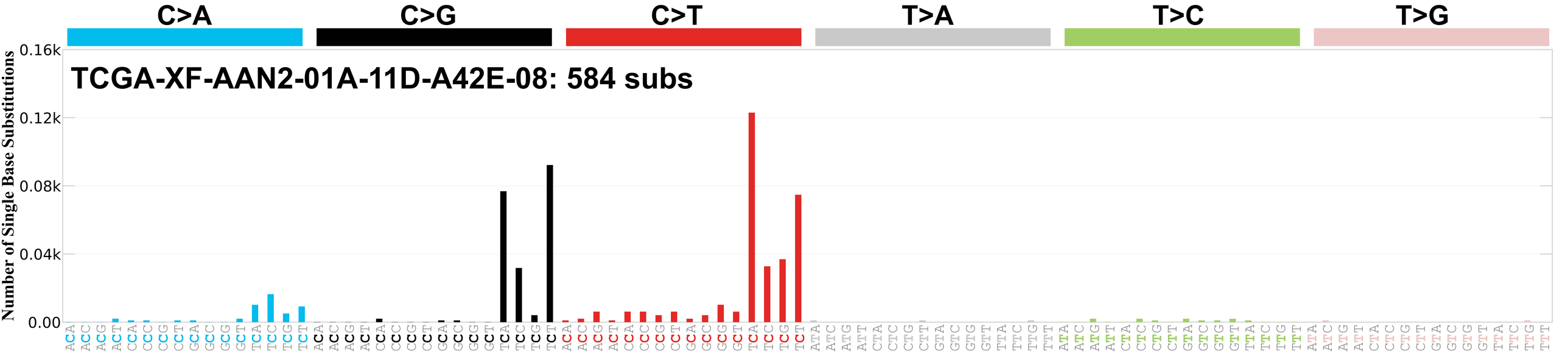

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMX-01A-11D-A42E-08: 402 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00

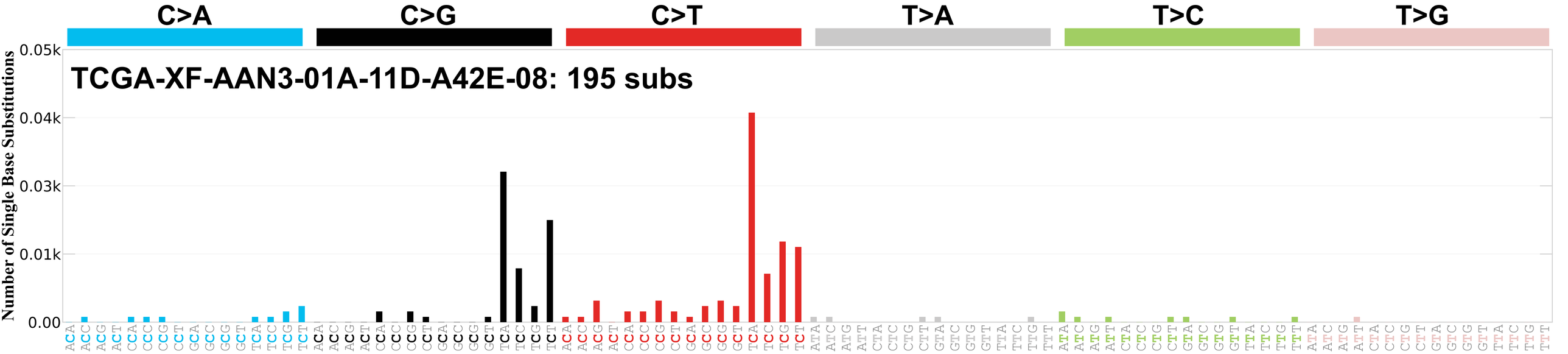

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMY-01A-11D-A42E-08: 142 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

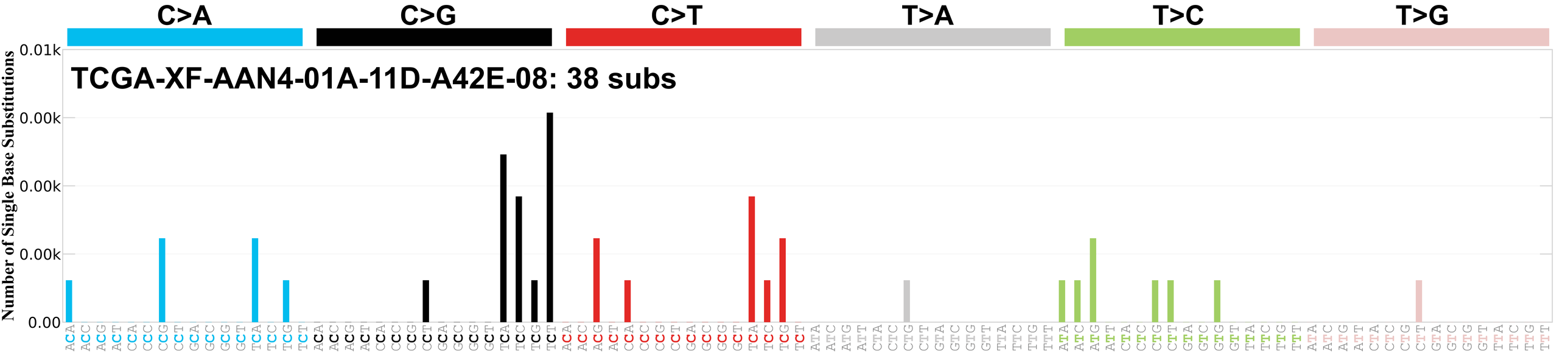

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAMZ-01A-11D-A42E-08: 309 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

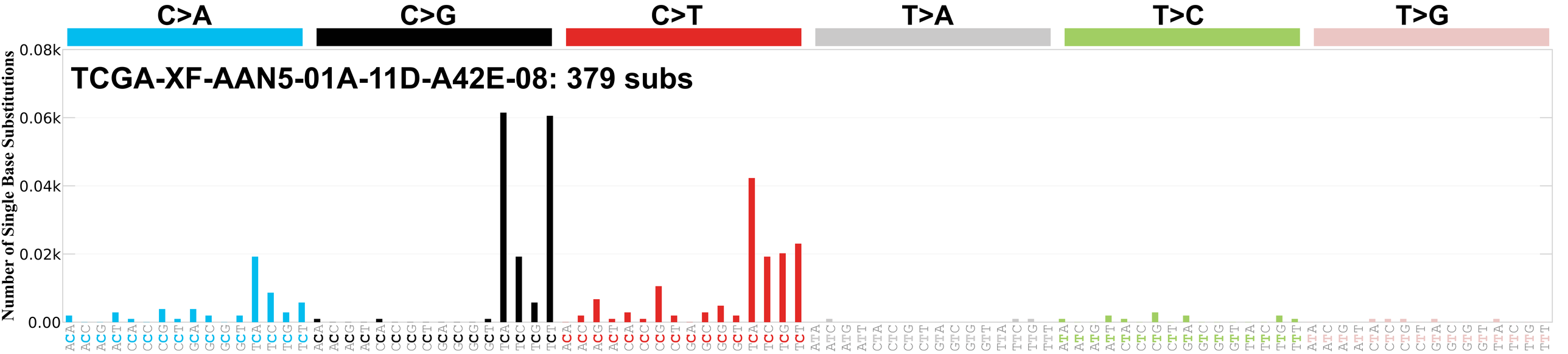

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN0-01A-11D-A42E-08: 494 subs
Number of Single Base Substitutions
0.12k
0.09k
0.06k
0.03k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

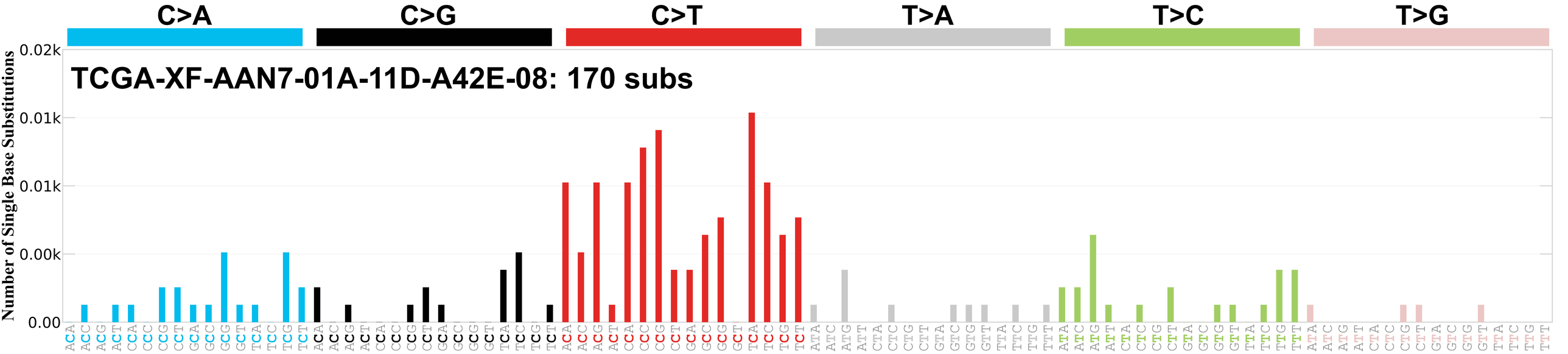

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN1-01A-31D-A42E-08: 108 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

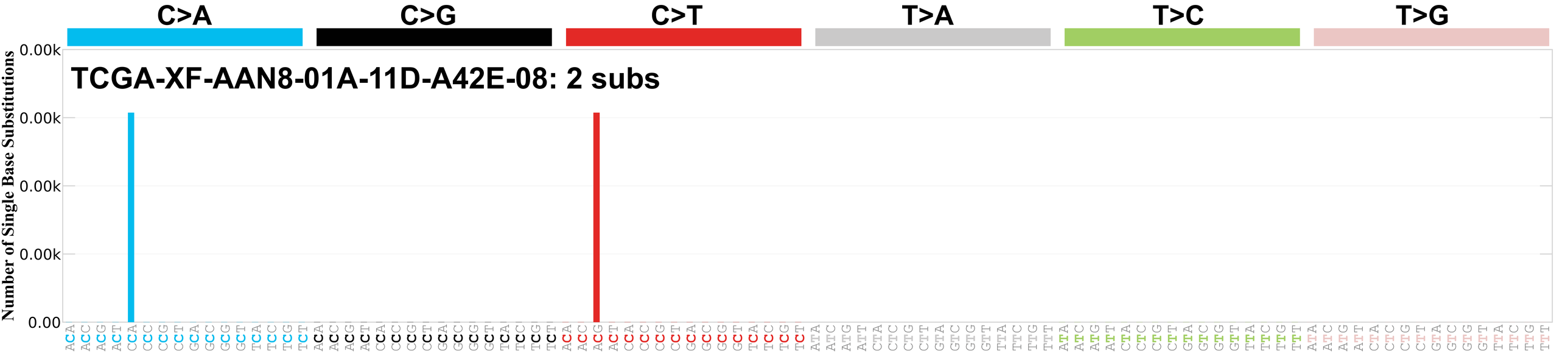

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN2-01A-11D-A42E-08: 584 subs
Number of Single Base Substitutions
0.16k
0.12k
0.08k
0.04k
0.00

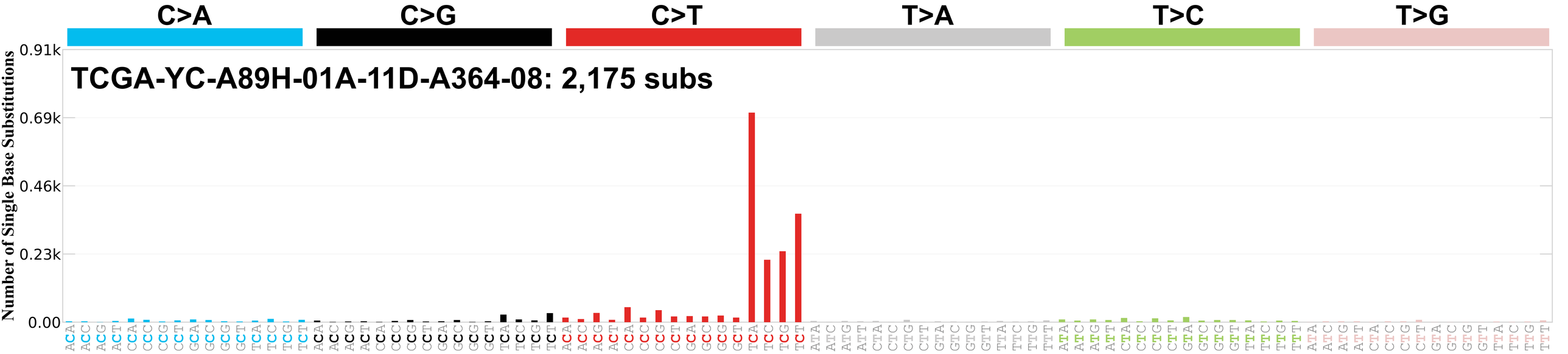

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN3-01A-11D-A42E-08: 195 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

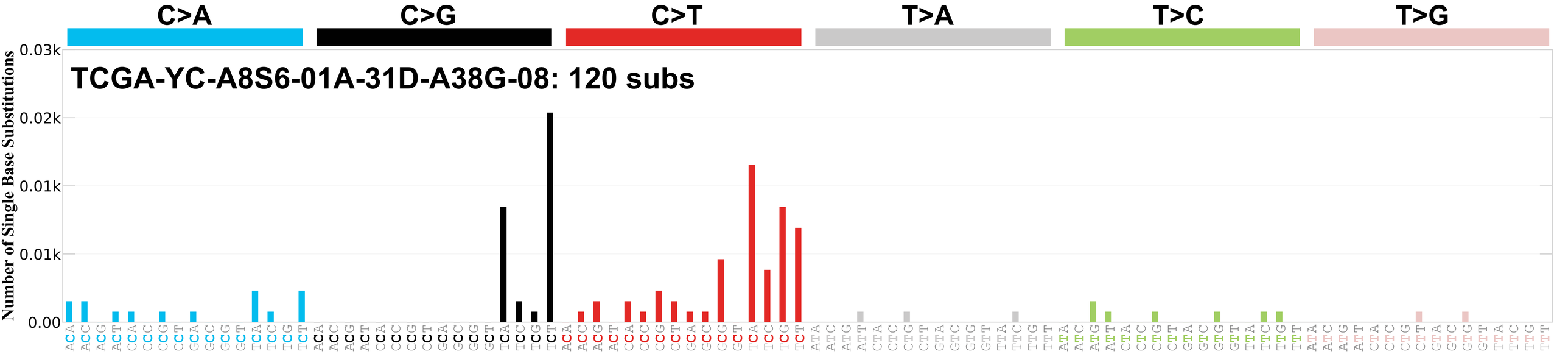

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN4-01A-11D-A42E-08: 38 subs
Number of Single Base Substitutions
0.01k
0.00k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

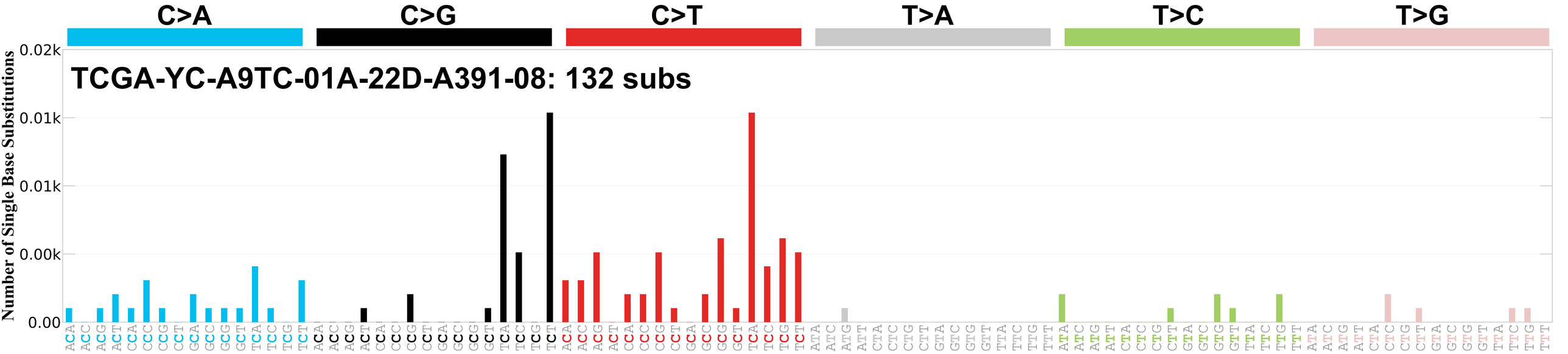

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN5-01A-11D-A42E-08: 379 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

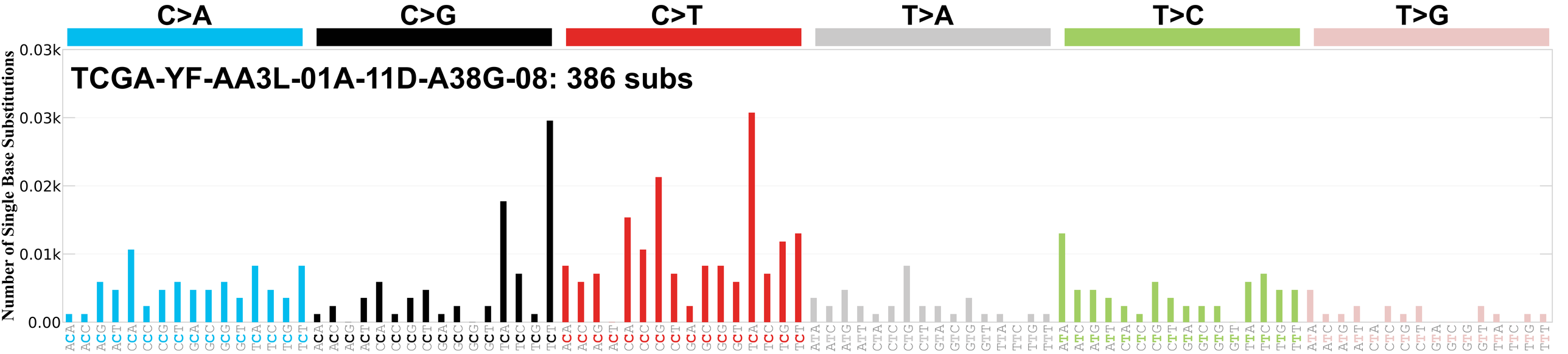

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN7-01A-11D-A42E-08: 170 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

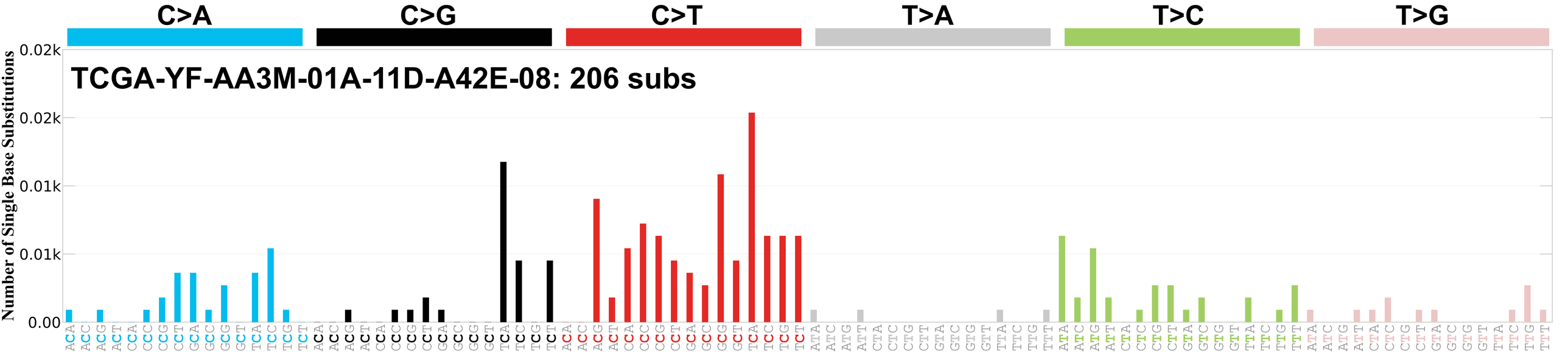

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-XF-AAN8-01A-11D-A42E-08: 2 subs
Number of Single Base Substitutions
0.00k
0.00k
0.00k
0.00k
0.00

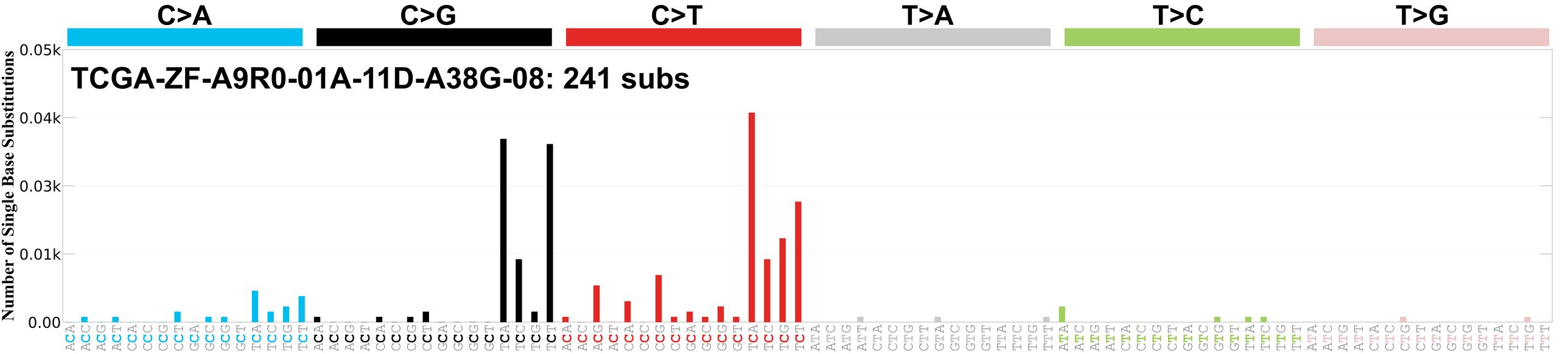

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-YC-A89H-01A-11D-A364-08: 2,175 subs
Number of Single Base Substitutions
0.91k
0.69k
0.46k
0.23k
0.00

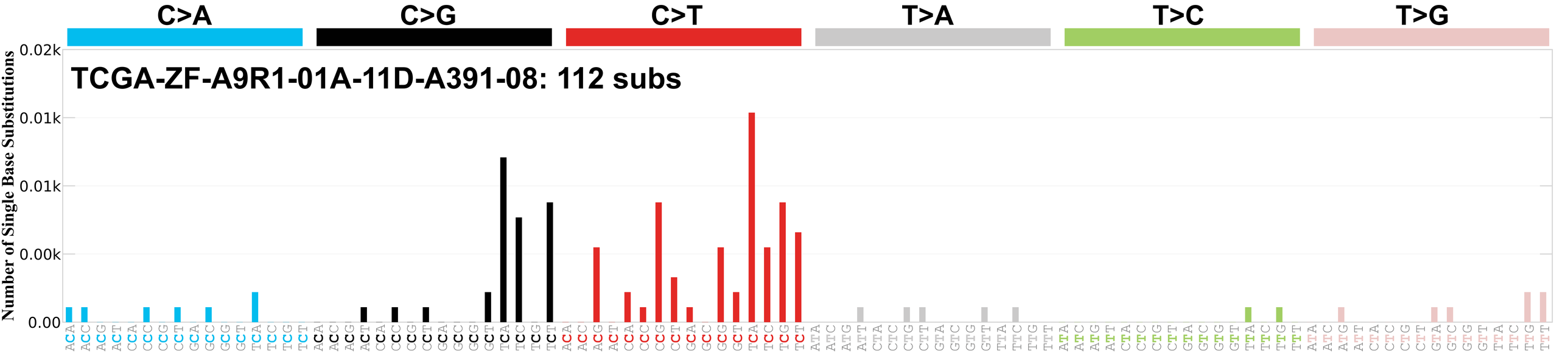

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-YC-A8S6-01A-31D-A38G-08: 120 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

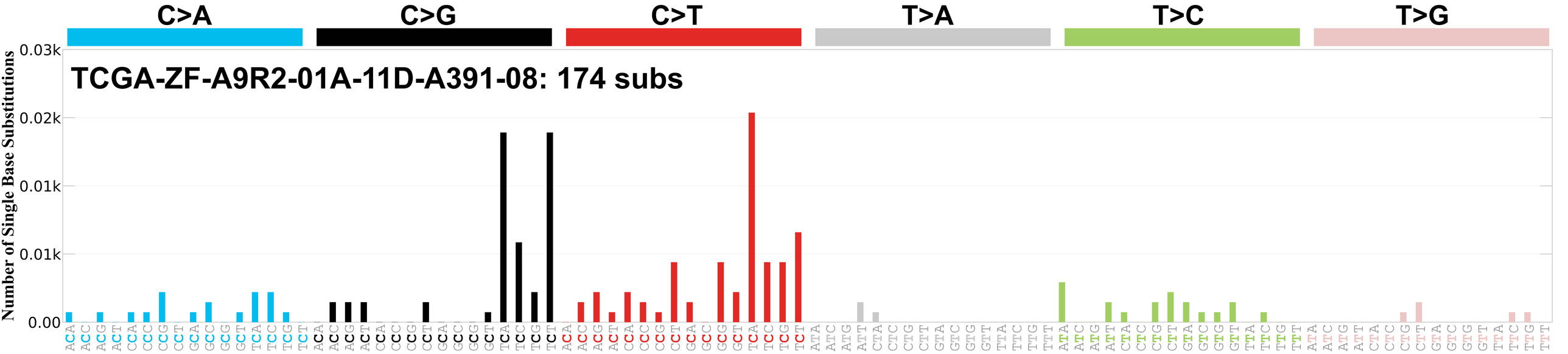

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-YC-A9TC-01A-22D-A391-08: 132 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

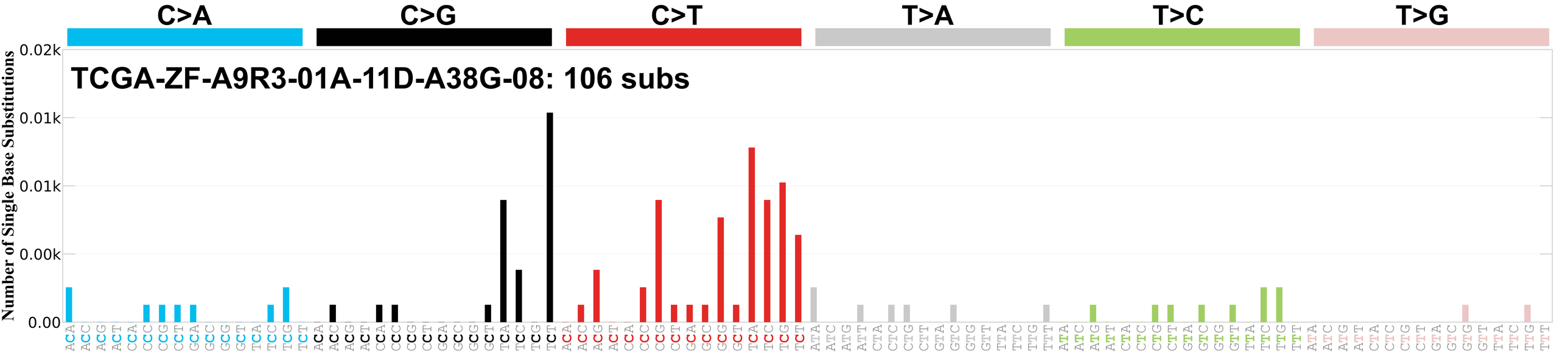

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-YF-AA3L-01A-11D-A38G-08: 386 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

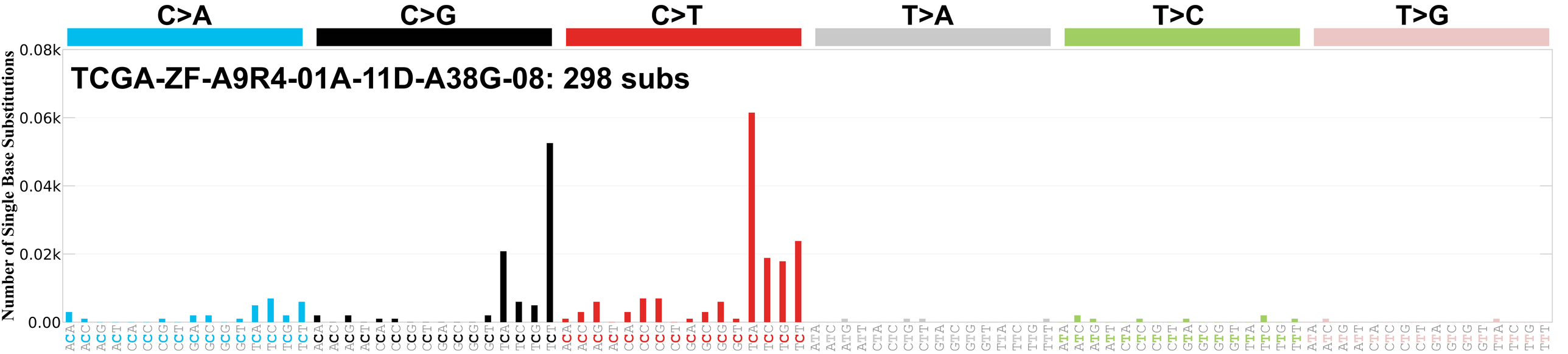

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-YF-AA3M-01A-11D-A42E-08: 206 subs
Number of Single Base Substitutions
0.02k
0.02k
0.01k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

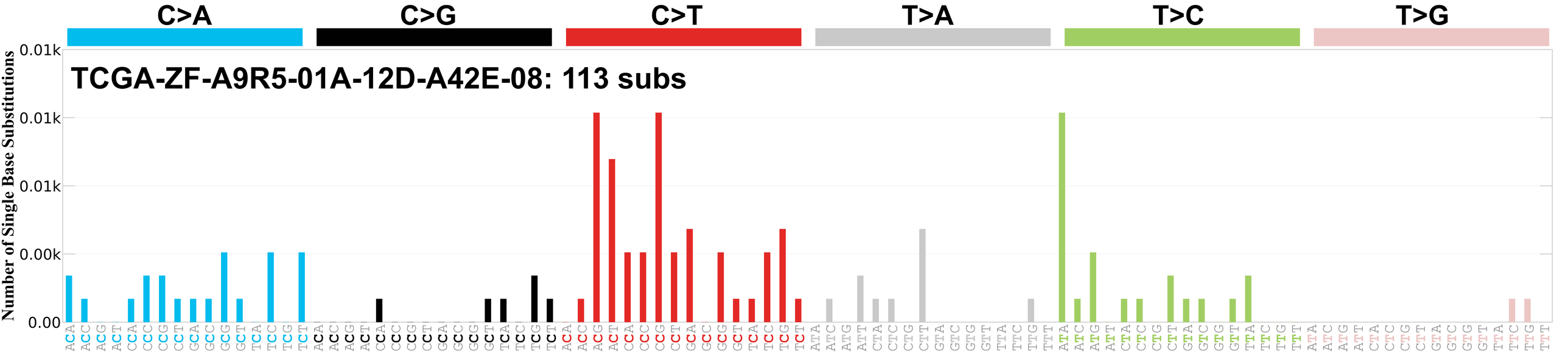

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R0-01A-11D-A38G-08: 241 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

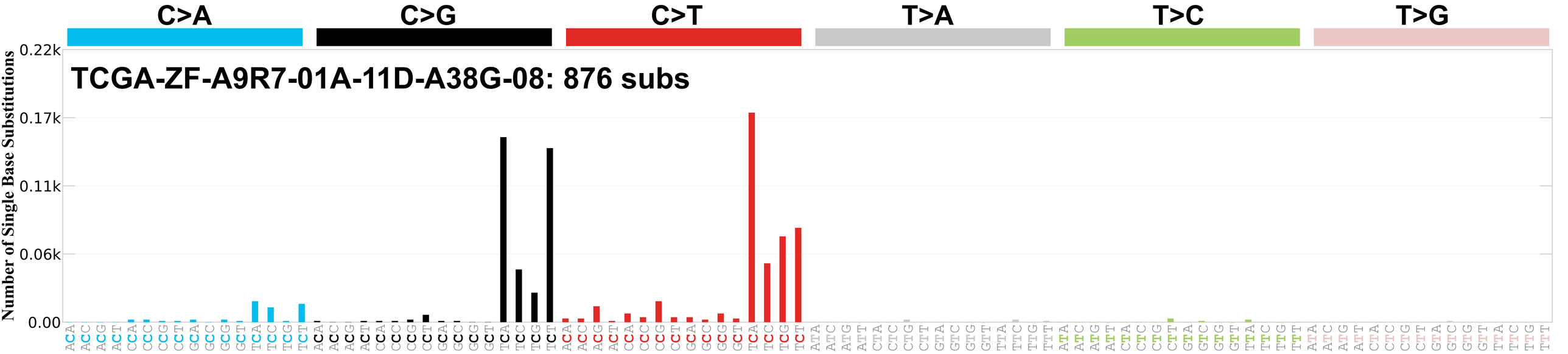

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R1-01A-11D-A391-08: 112 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

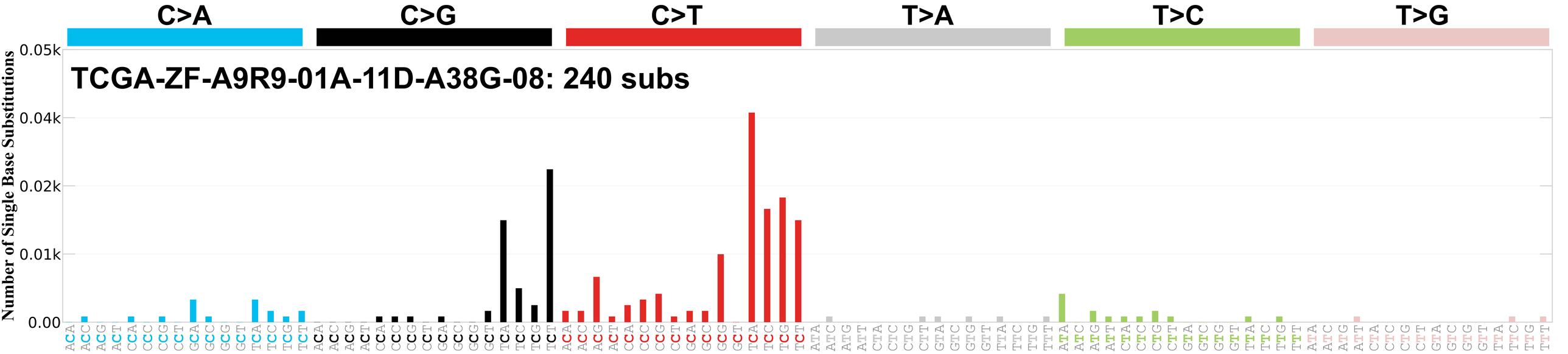

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R2-01A-11D-A391-08: 174 subs
Number of Single Base Substitutions
0.03k
0.02k
0.01k
0.01k
0.00

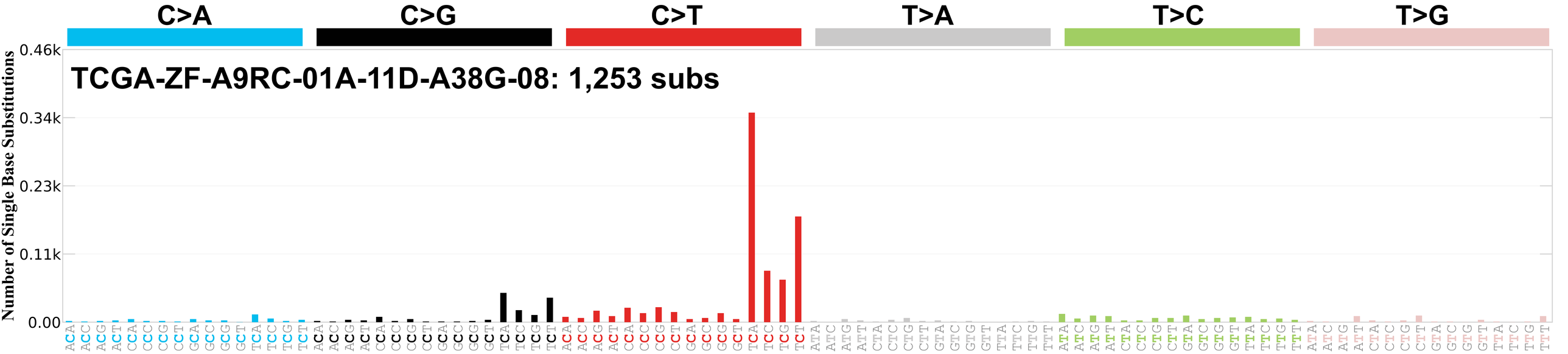

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R3-01A-11D-A38G-08: 106 subs
Number of Single Base Substitutions
0.02k
0.01k
0.01k
0.00k
0.00

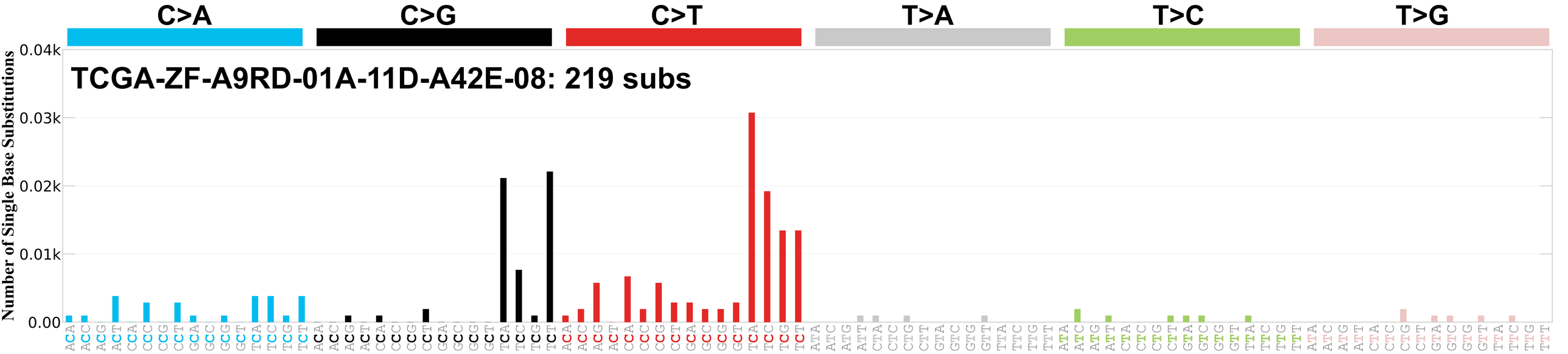

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R4-01A-11D-A38G-08: 298 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

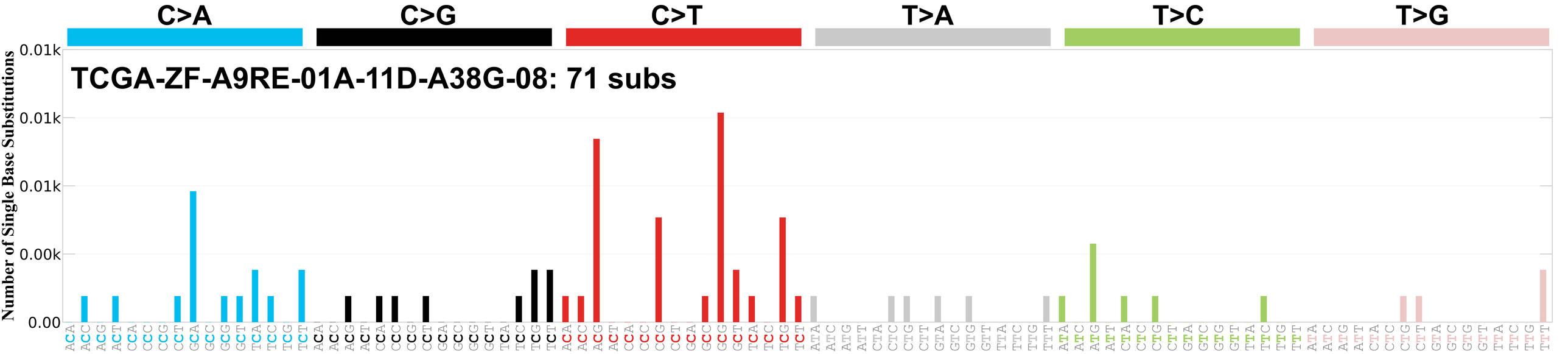

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R5-01A-12D-A42E-08: 113 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

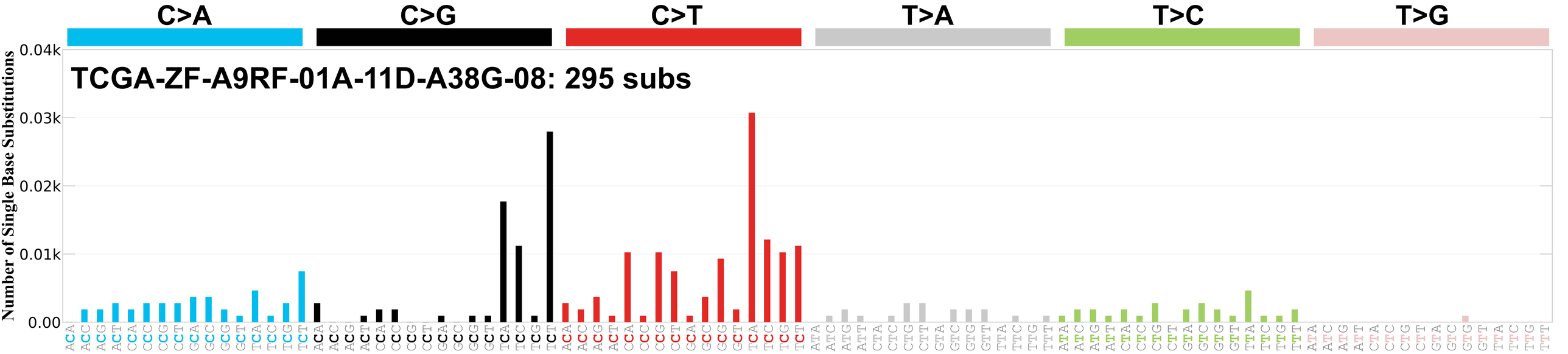

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R7-01A-11D-A38G-08: 876 subs
Number of Single Base Substitutions
0.22k
0.17k
0.11k
0.06k
0.00

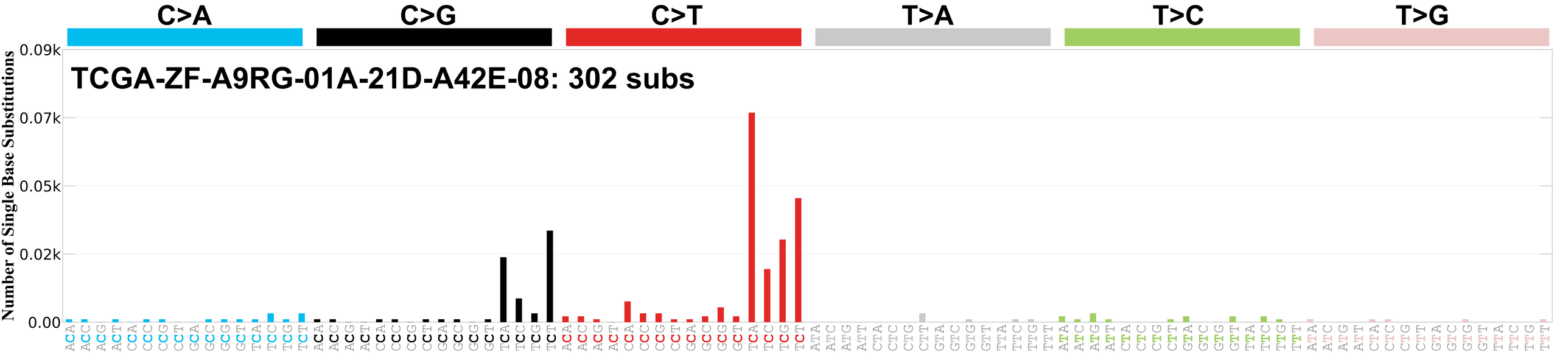

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9R9-01A-11D-A38G-08: 240 subs
Number of Single Base Substitutions
0.05k
0.04k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

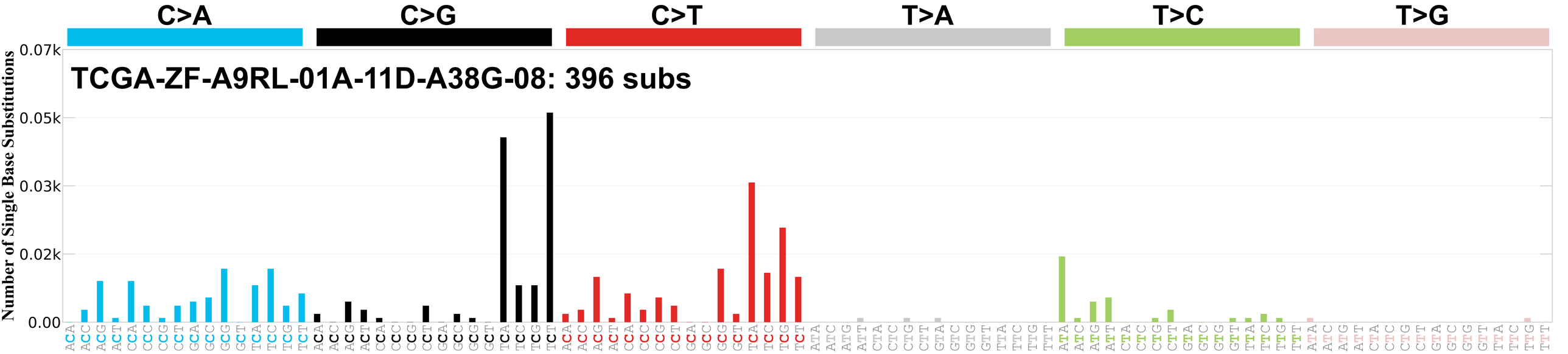

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RC-01A-11D-A38G-08: 1,253 subs
Number of Single Base Substitutions
0.46k
0.34k
0.23k
0.11k
0.00

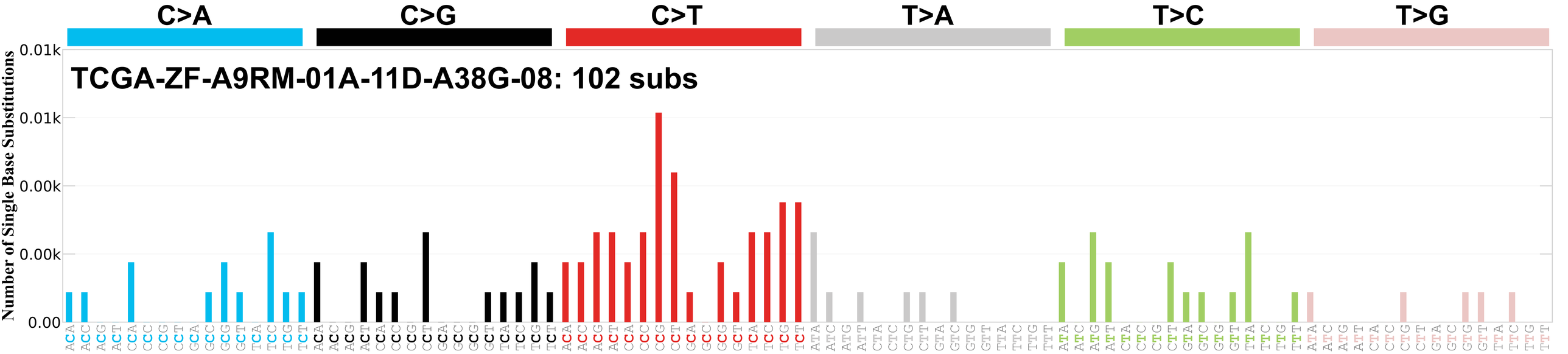

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RD-01A-11D-A42E-08: 219 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00

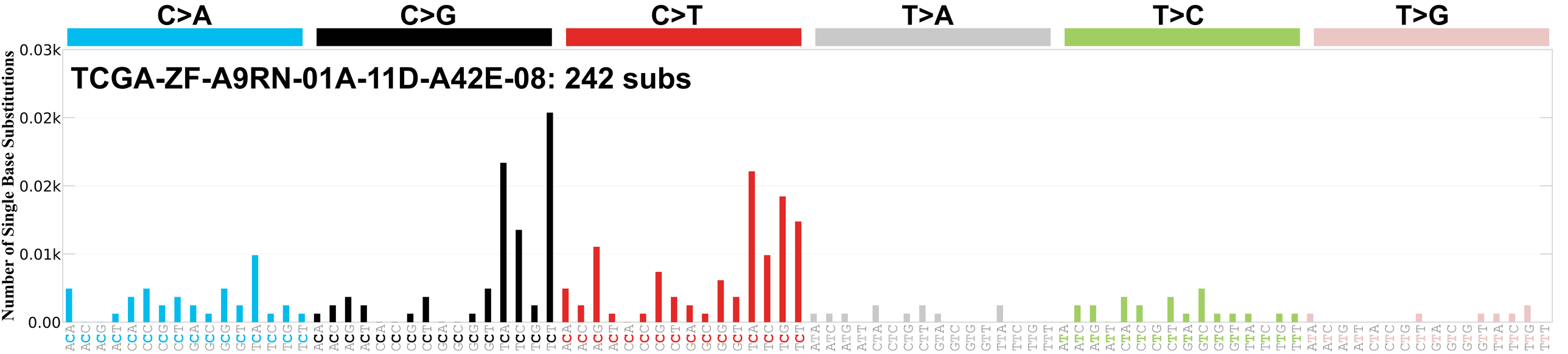

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RE-01A-11D-A38G-08: 71 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

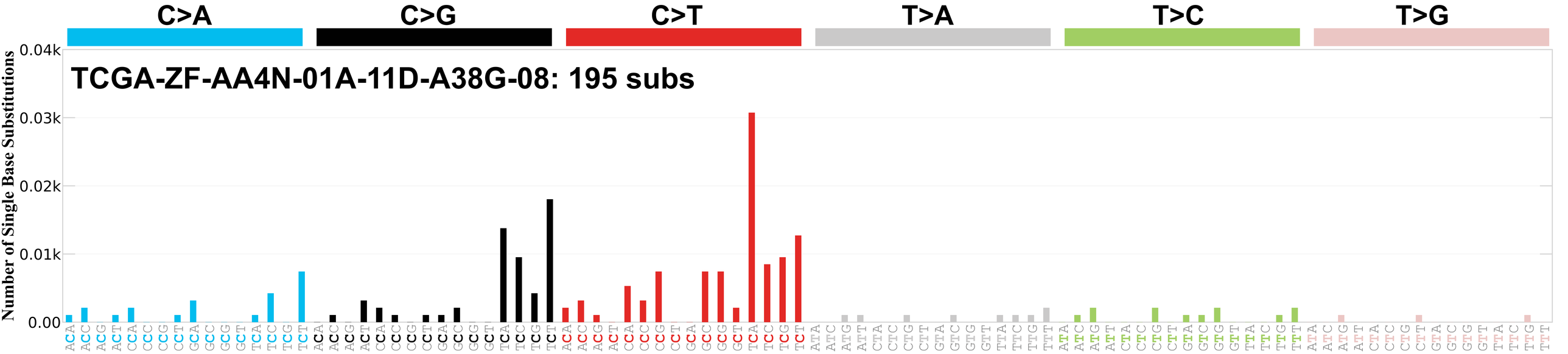

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RF-01A-11D-A38G-08: 295 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

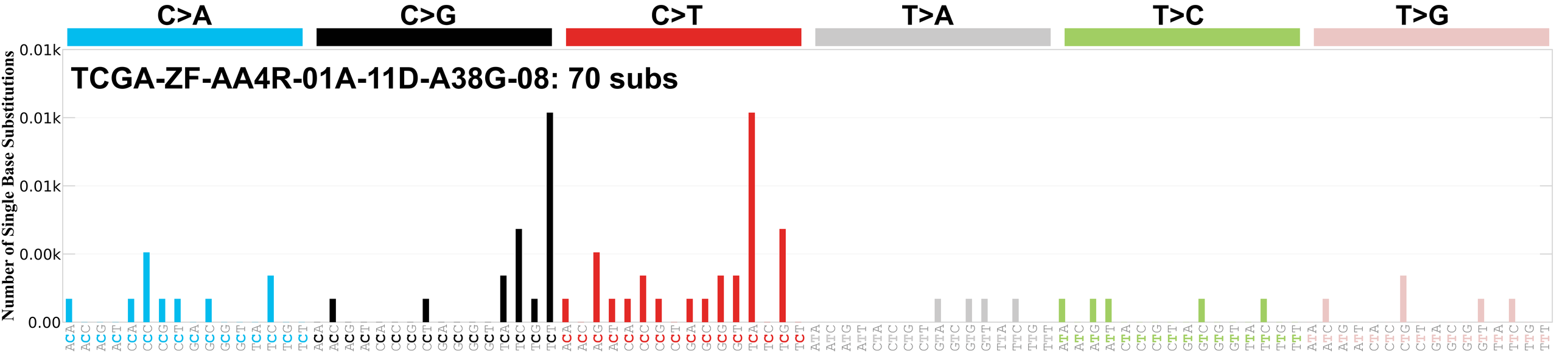

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RG-01A-21D-A42E-08: 302 subs
Number of Single Base Substitutions
0.09k
0.07k
0.05k
0.02k
0.00

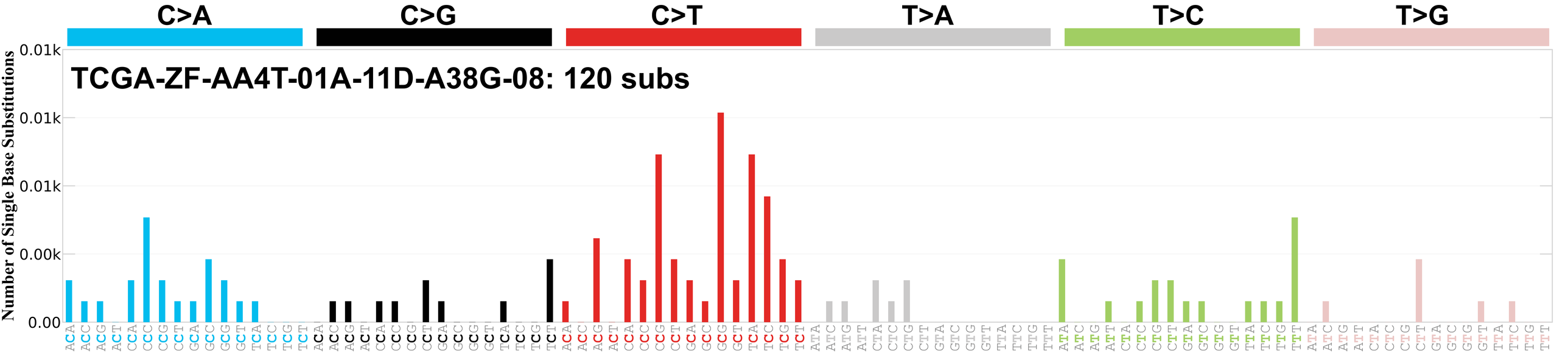

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RL-01A-11D-A38G-08: 396 subs
Number of Single Base Substitutions
0.07k
0.05k
0.03k
0.02k
0.00

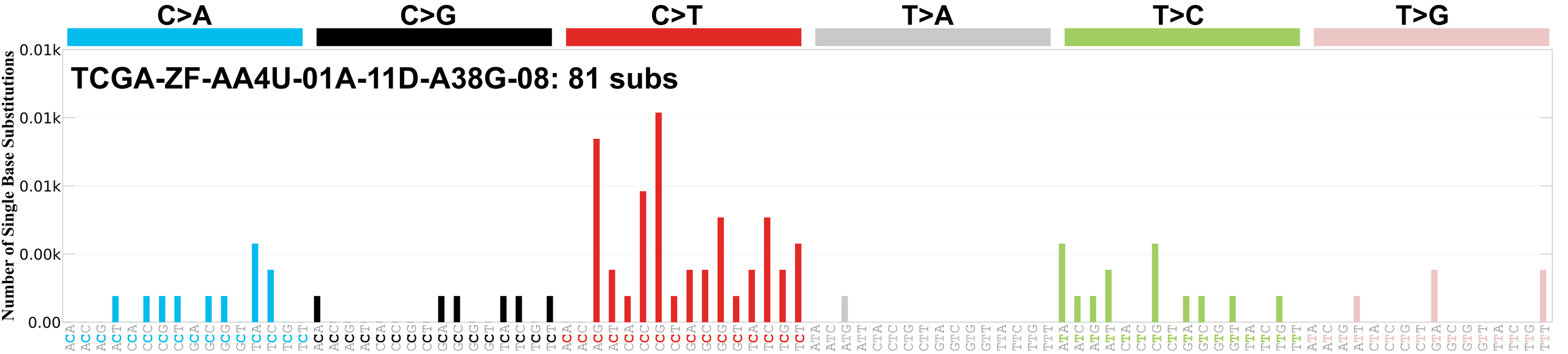

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RM-01A-11D-A38G-08: 102 subs
Number of Single Base Substitutions
0.01k
0.01k
0.00k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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

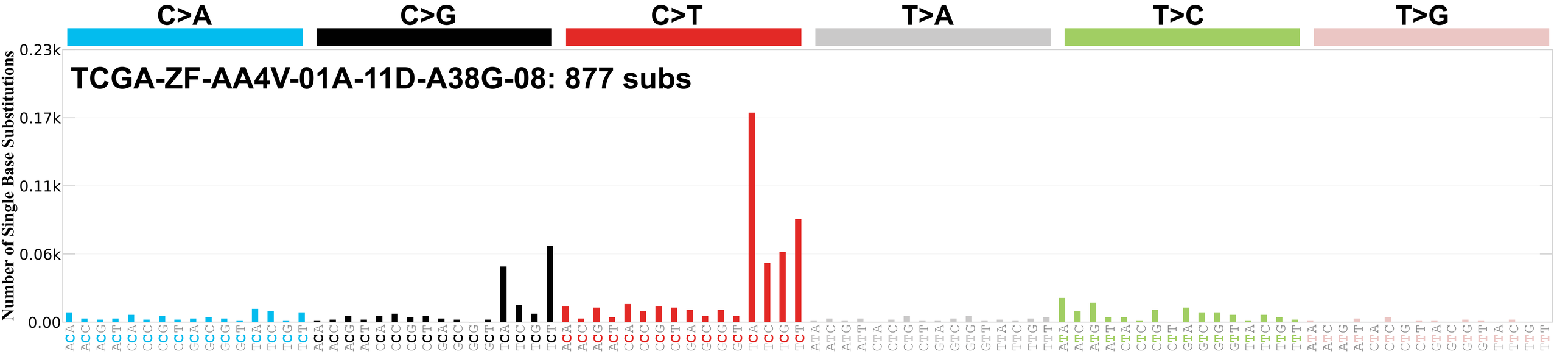

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-A9RN-01A-11D-A42E-08: 242 subs
Number of Single Base Substitutions
0.03k
0.02k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

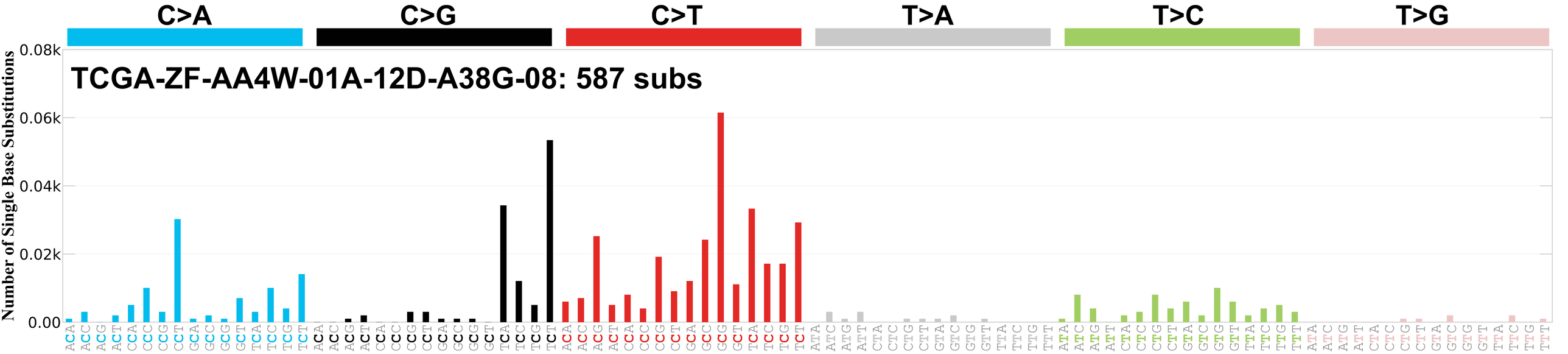

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4N-01A-11D-A38G-08: 195 subs
Number of Single Base Substitutions
0.04k
0.03k
0.02k
0.01k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT 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

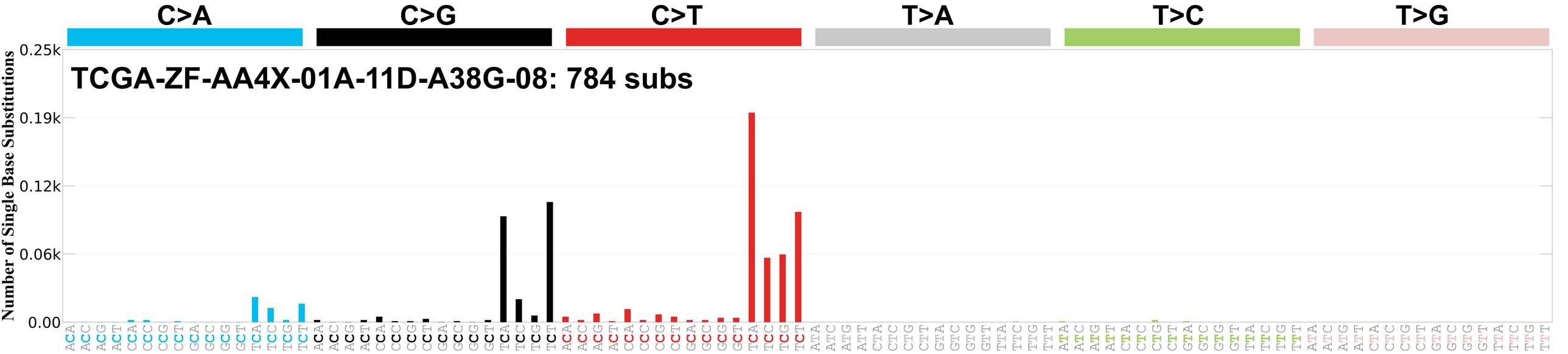

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4R-01A-11D-A38G-08: 70 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

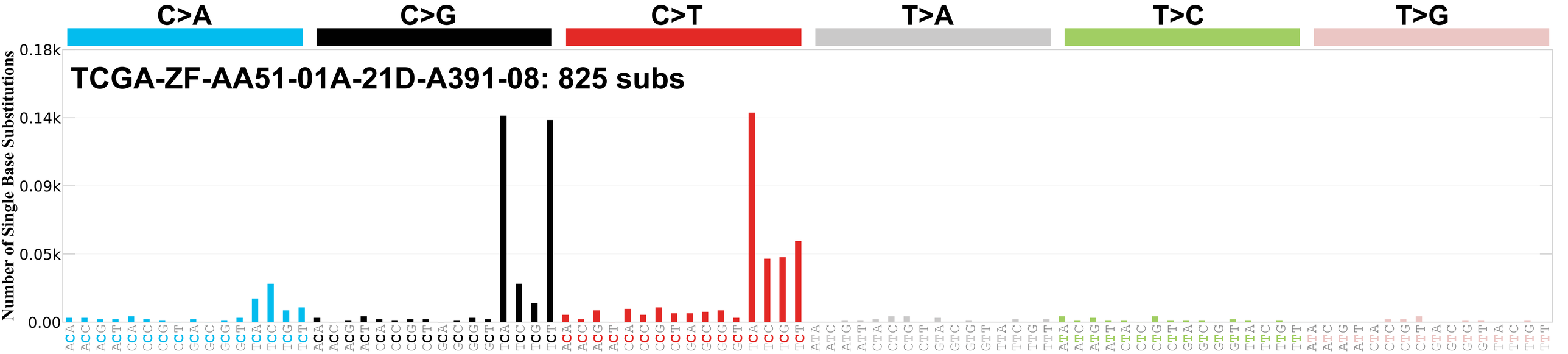

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4T-01A-11D-A38G-08: 120 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT 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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

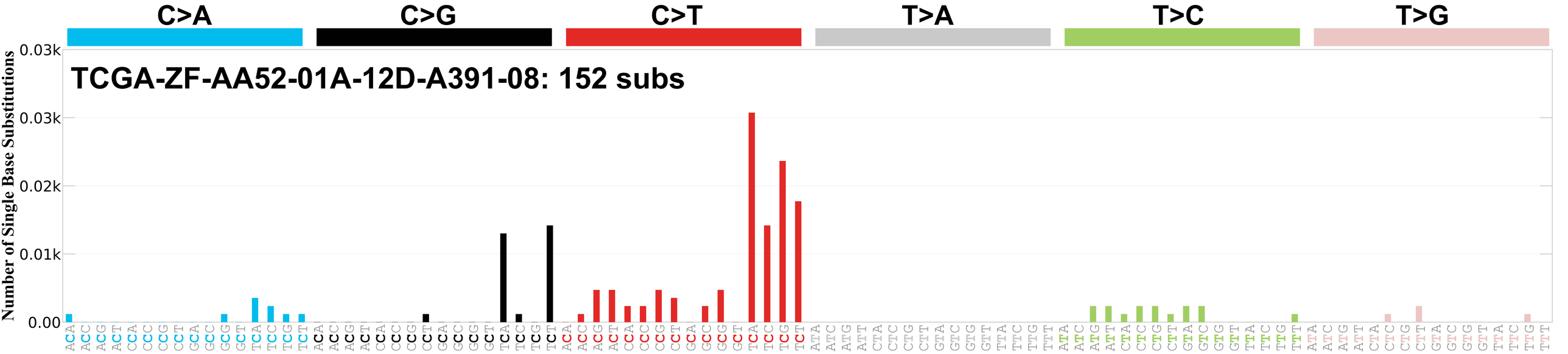

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4U-01A-11D-A38G-08: 81 subs
Number of Single Base Substitutions
0.01k
0.01k
0.01k
0.00k
0.00

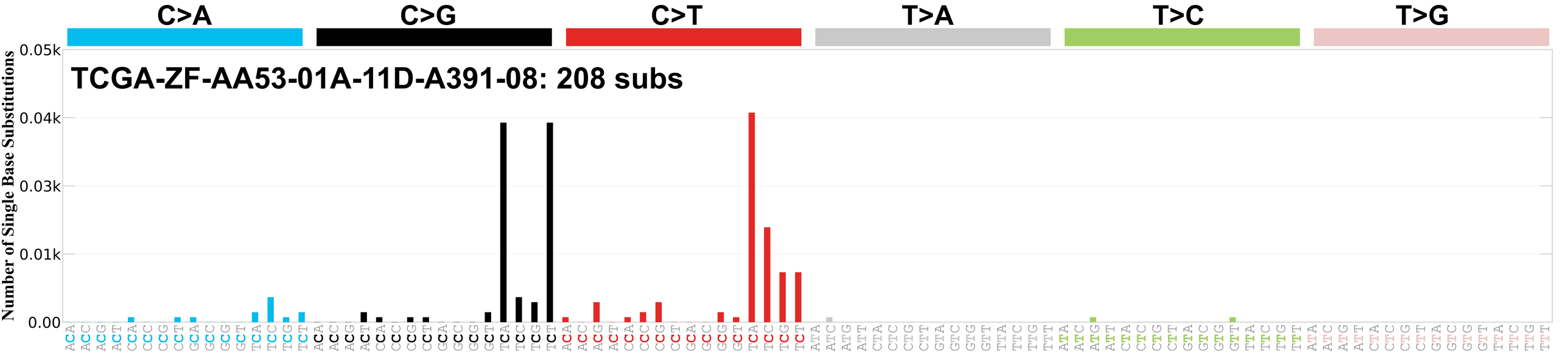

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4V-01A-11D-A38G-08: 877 subs
Number of Single Base Substitutions
0.23k
0.17k
0.11k
0.06k
0.00

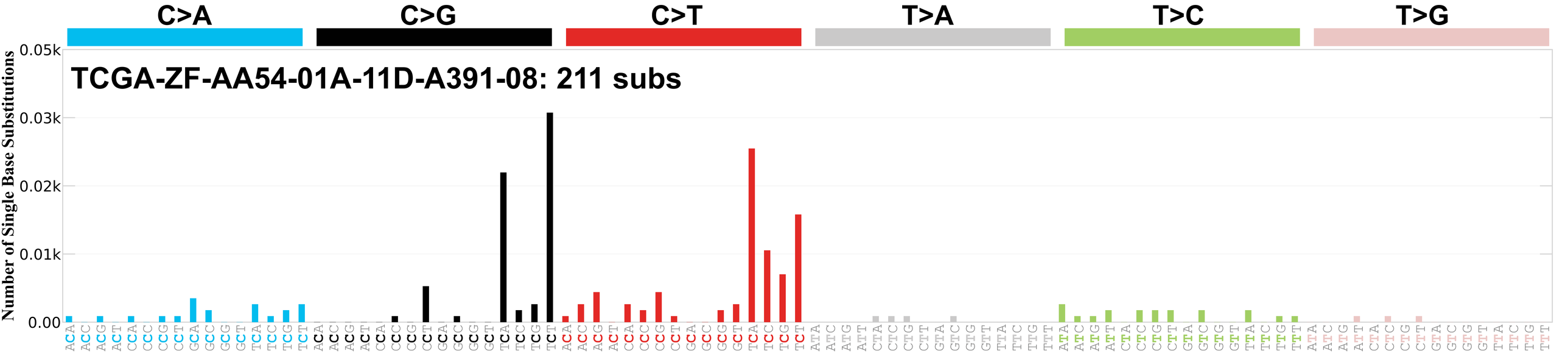

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4W-01A-12D-A38G-08: 587 subs
Number of Single Base Substitutions
0.08k
0.06k
0.04k
0.02k
0.00

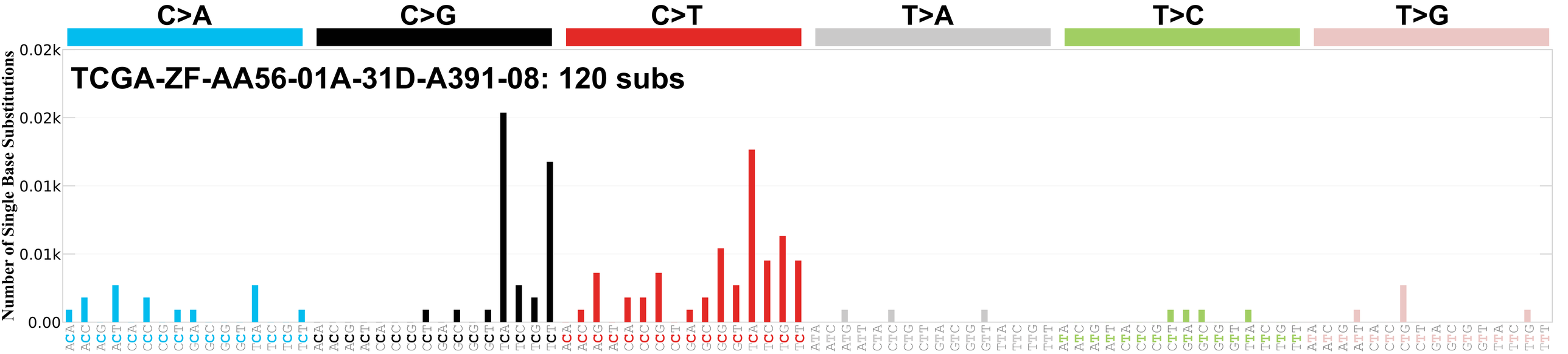

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA4X-01A-11D-A38G-08: 784 subs
Number of Single Base Substitutions
0.25k
0.19k
0.12k
0.06k
0.00

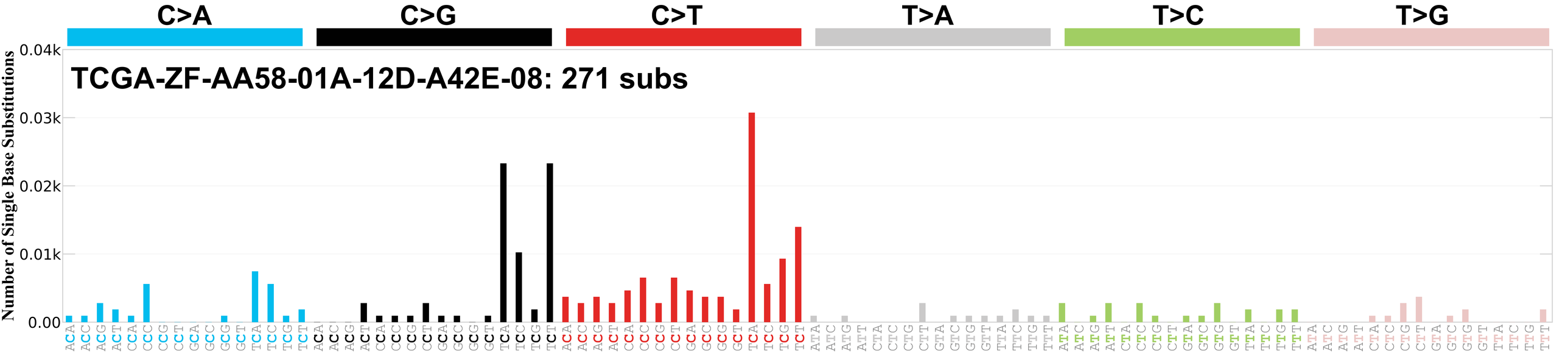

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA51-01A-21D-A391-08: 825 subs
Number of Single Base Substitutions
0.18k
0.14k
0.09k
0.05k
0.00

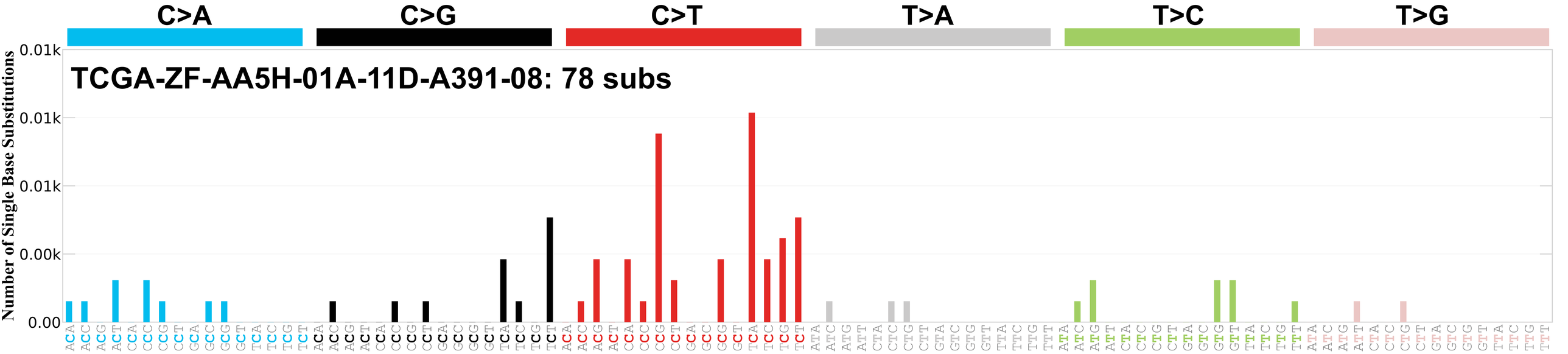

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA52-01A-12D-A391-08: 152 subs
Number of Single Base Substitutions
0.03k
0.03k
0.02k
0.01k
0.00

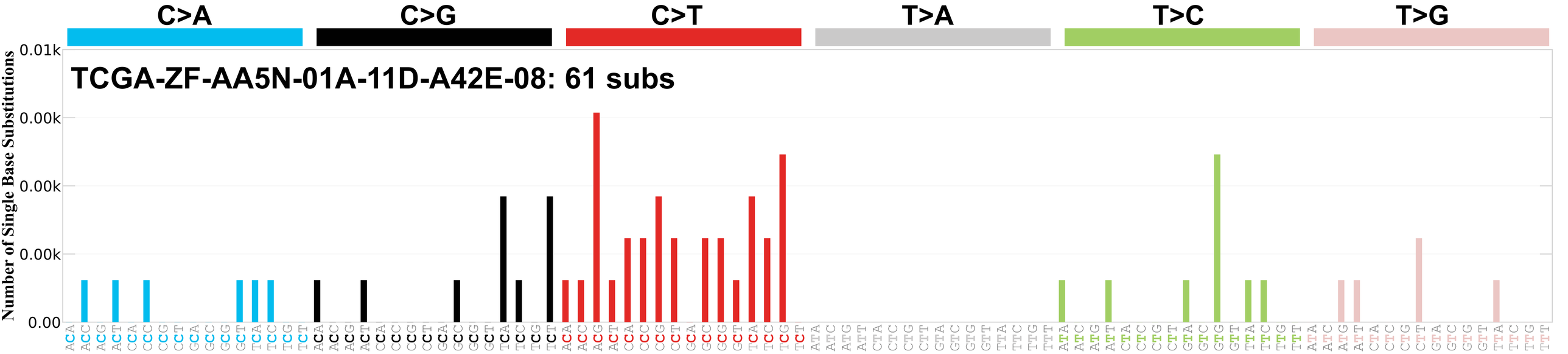

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA53-01A-11D-A391-08: 208 subs
Number of Single Base Substitutions
0.05k
0.04k
0.03k
0.01k
0.00

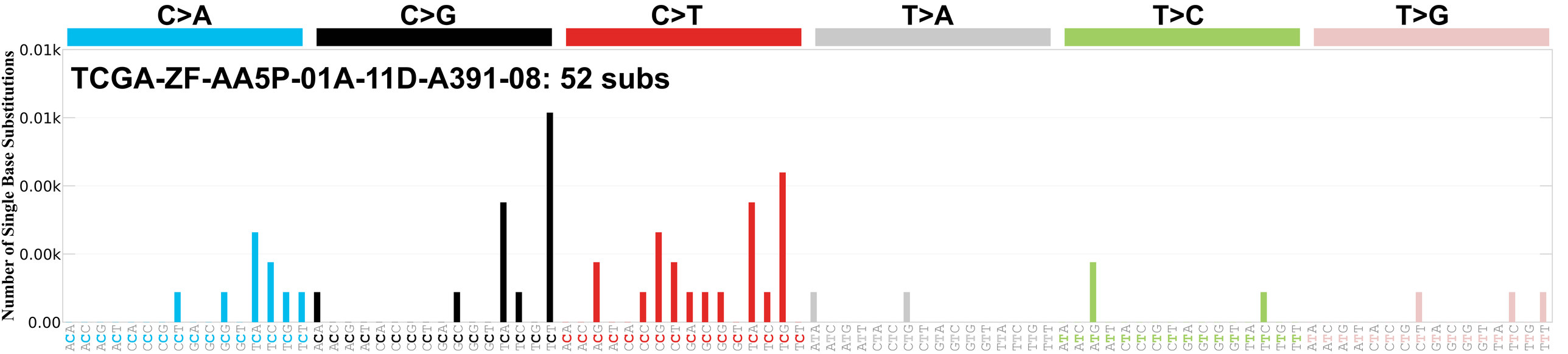

C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA54-01A-11D-A391-08: 211 subs
Number of Single Base Substitutions
0.05k
0.03k
0.02k
0.01k
0.00


C>A
C>G
C>T
T>A
T>C
T>G
TCGA-ZF-AA56-01A-31D-A391-08: 120 subs
Number of Single Base Substitutions
0.02k
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 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
TCGA-ZF-AA58-01A-12D-A42E-08: 271 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 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
TCGA-ZF-AA5H-01A-11D-A391-08: 78 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
TCGA-ZF-AA5N-01A-11D-A42E-08: 61 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
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TCGA-ZF-AA5P-01A-11D-A391-08: 52 subs
Number of Single Base Substitutions
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0.01k
0.00k
0.00k
0.00