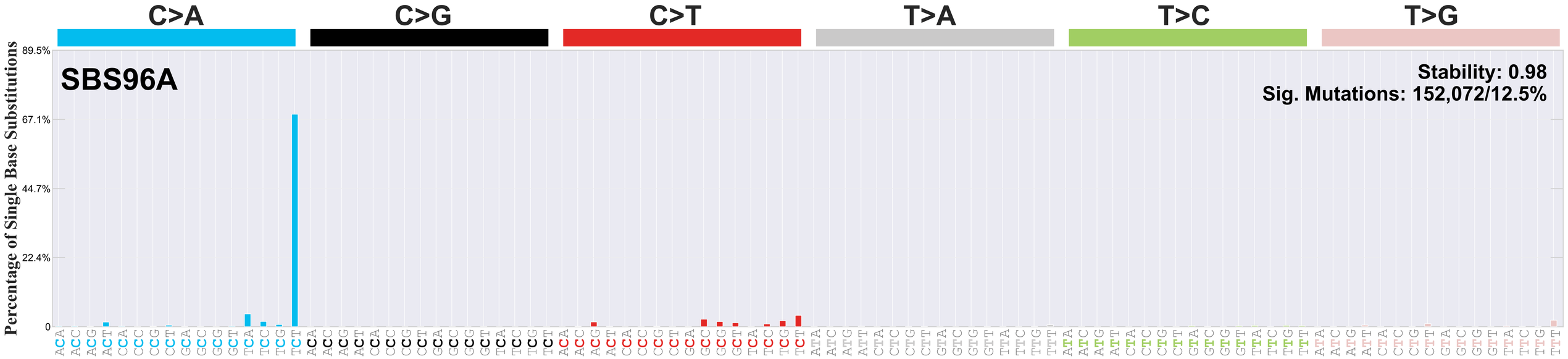
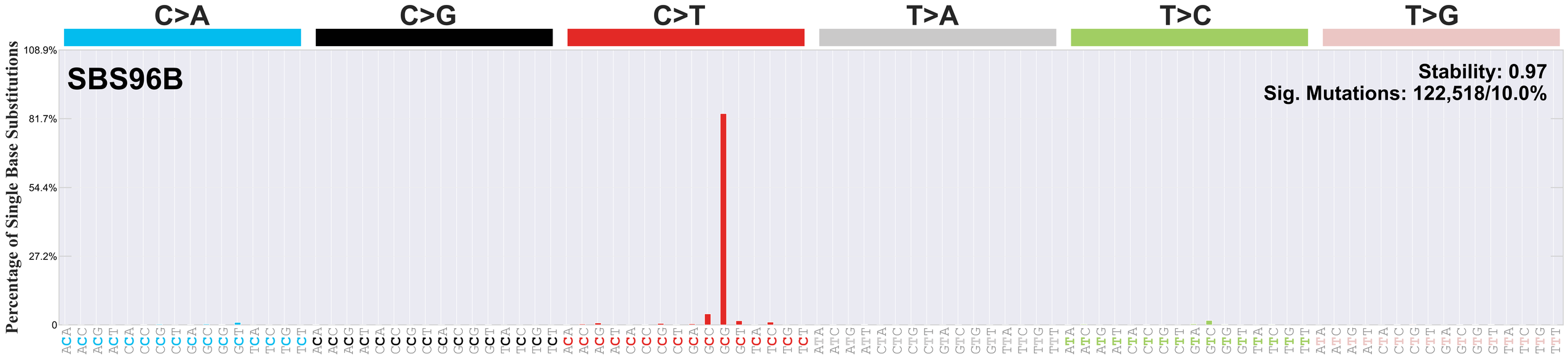
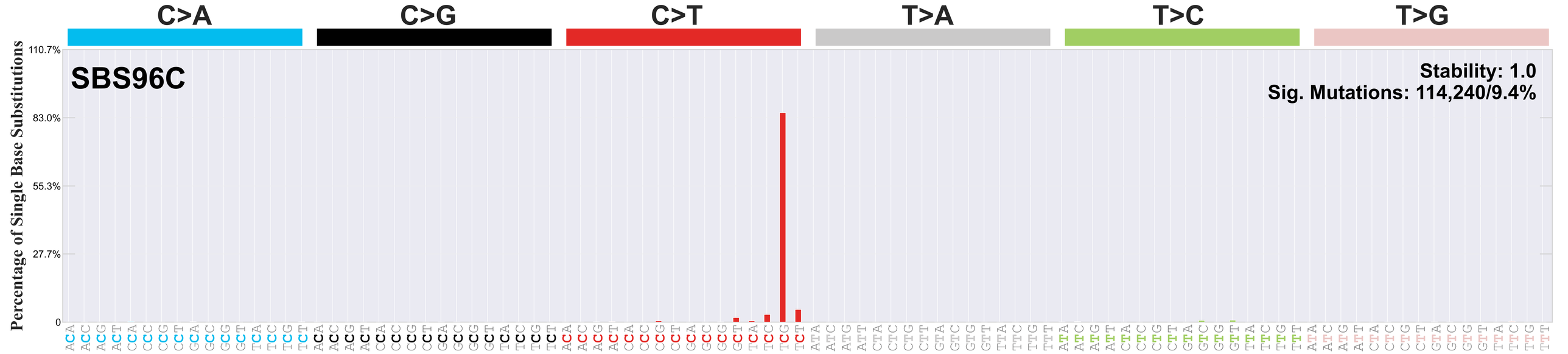
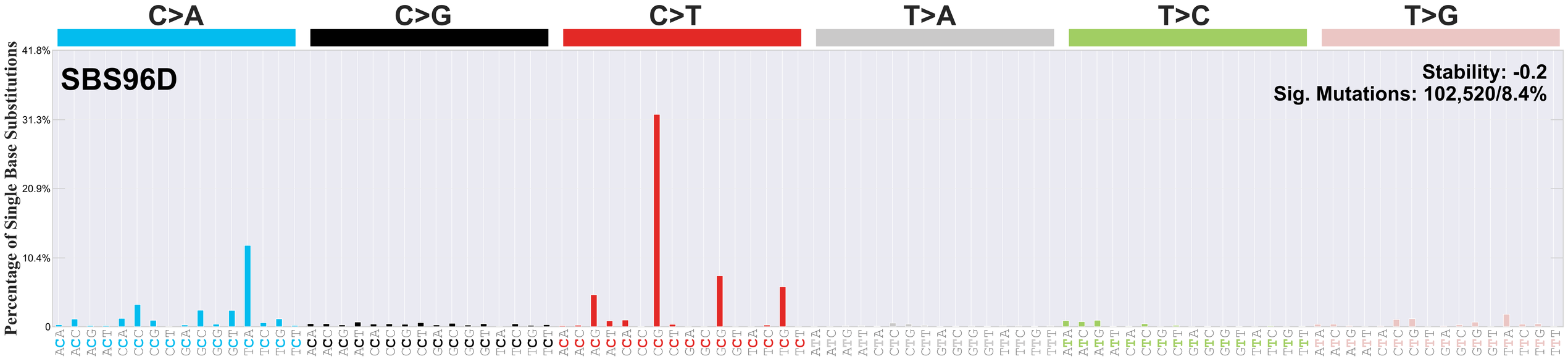
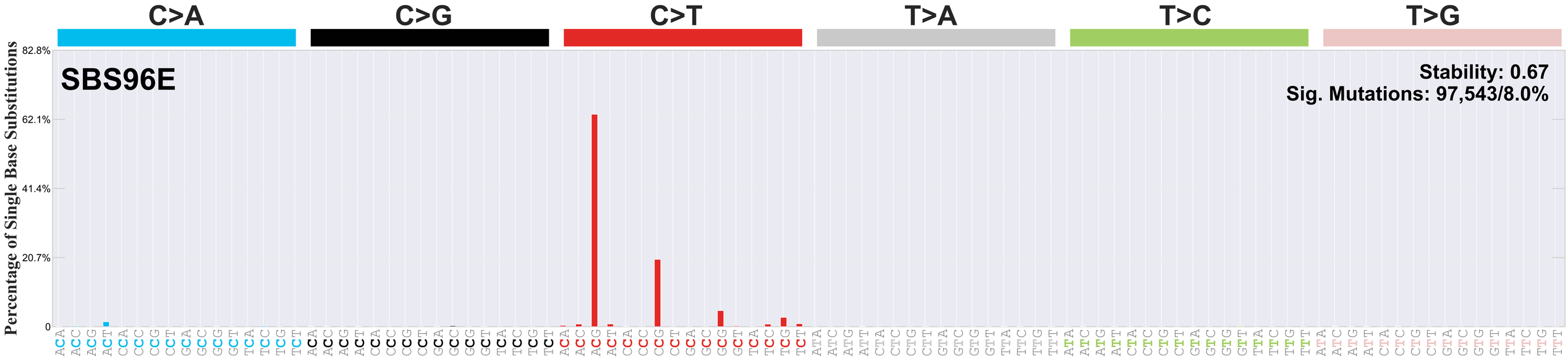
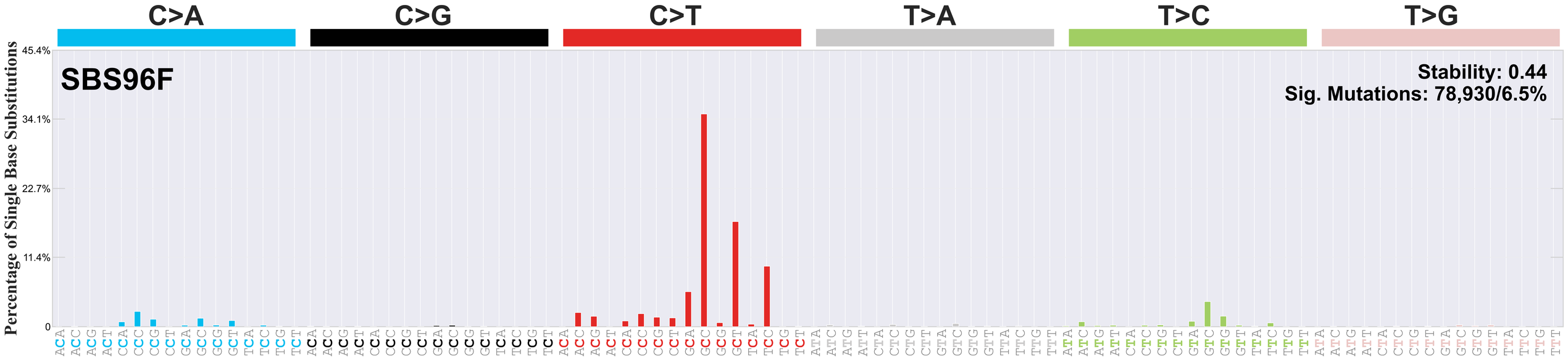

C>A
C>G
C>T
T>A
T>C
T>G
SBS96A
Stability: 0.98
Sig. Mutations: 152,072/12.5%
Percentage of Single Base Substitutions
89.5%
67.1%
44.7%
22.4%
0

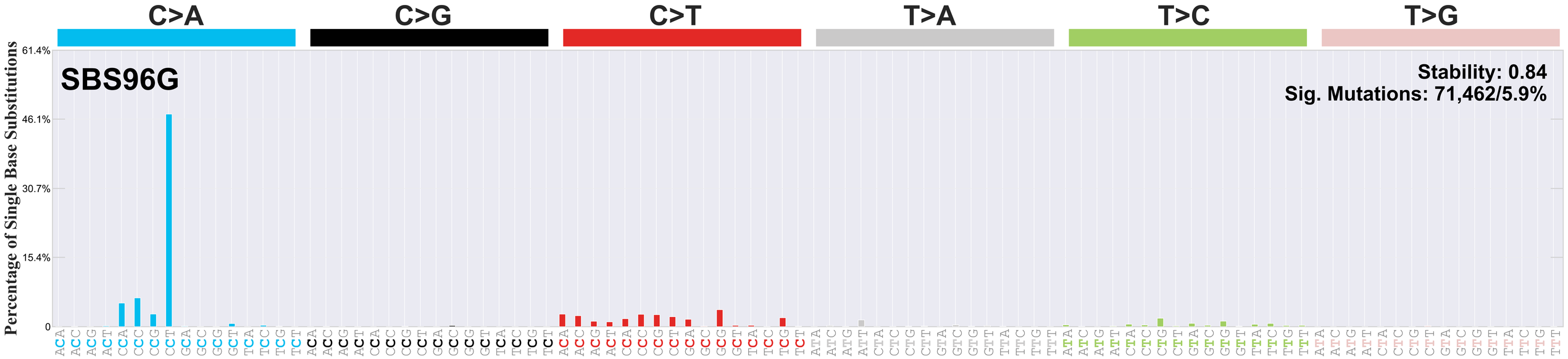

C>A
C>G
C>T
T>A
T>C
T>G
SBS96B
Stability: 0.97
Sig. Mutations: 122,518/10.0%
Percentage of Single Base Substitutions
108.9%
81.7%
54.4%
27.2%
0

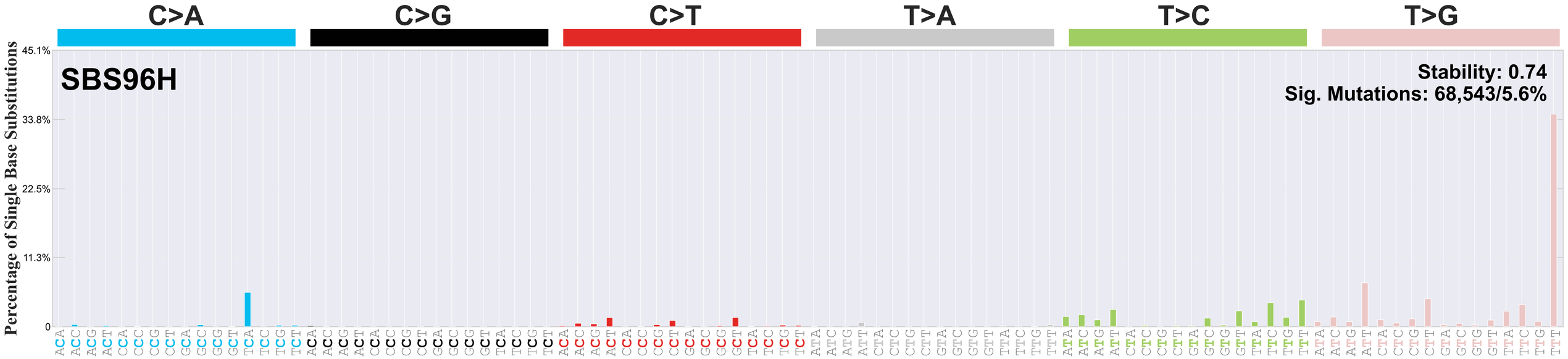

C>A
C>G
C>T
T>A
T>C
T>G
SBS96C
Stability: 1.0
Sig. Mutations: 114,240/9.4%
Percentage of Single Base Substitutions
110.7%
83.0%
55.3%
27.7%
0

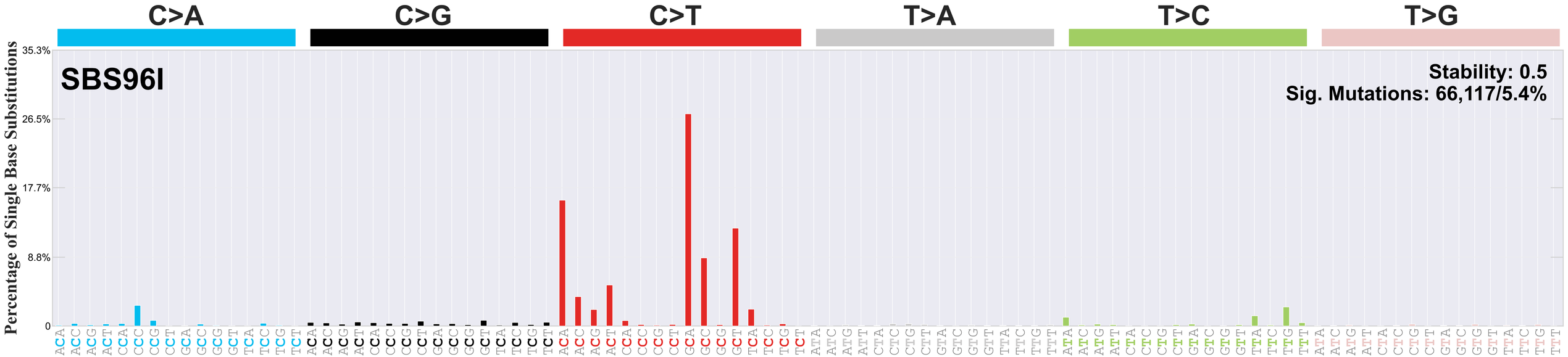

C>A
C>G
C>T
T>A
T>C
T>G
SBS96D
Stability: -0.2
Sig. Mutations: 102,520/8.4%
Percentage of Single Base Substitutions
41.8%
31.3%
20.9%
10.4%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

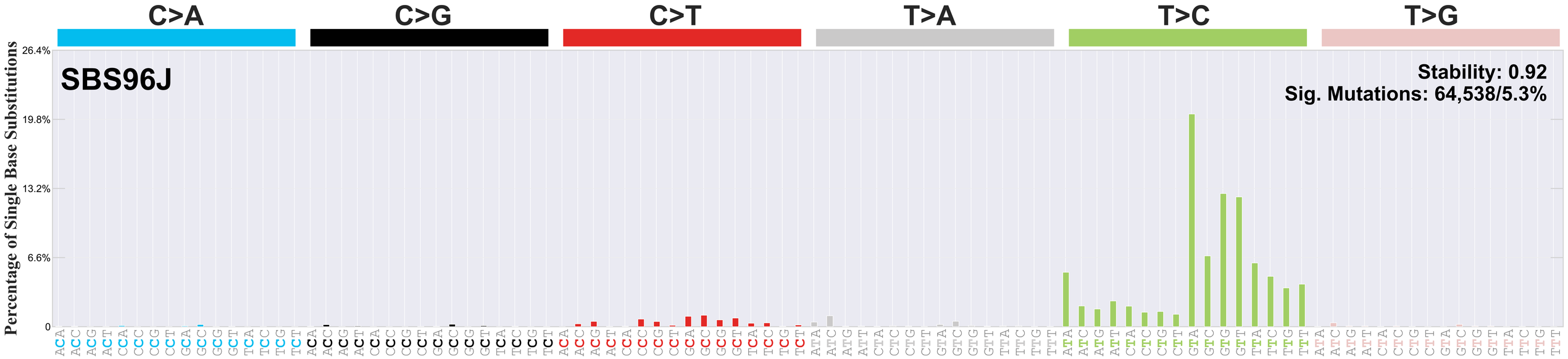

C>A
C>G
C>T
T>A
T>C
T>G
SBS96E
Stability: 0.67
Sig. Mutations: 97,543/8.0%
Percentage of Single Base Substitutions
82.8%
62.1%
41.4%
20.7%
0

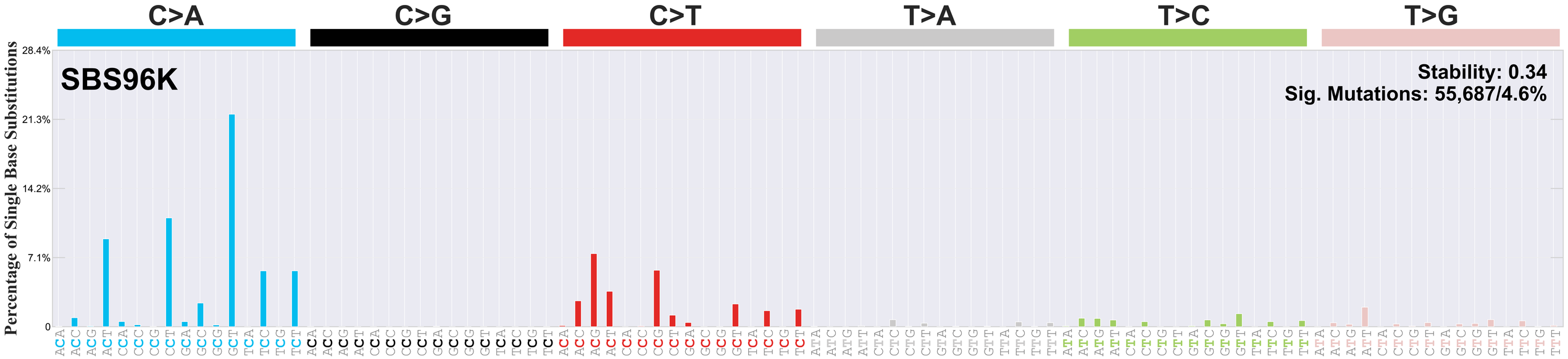

C>A
C>G
C>T
T>A
T>C
T>G
SBS96F
Stability: 0.44
Sig. Mutations: 78,930/6.5%
Percentage of Single Base Substitutions
45.4%
34.1%
22.7%
11.4%
0

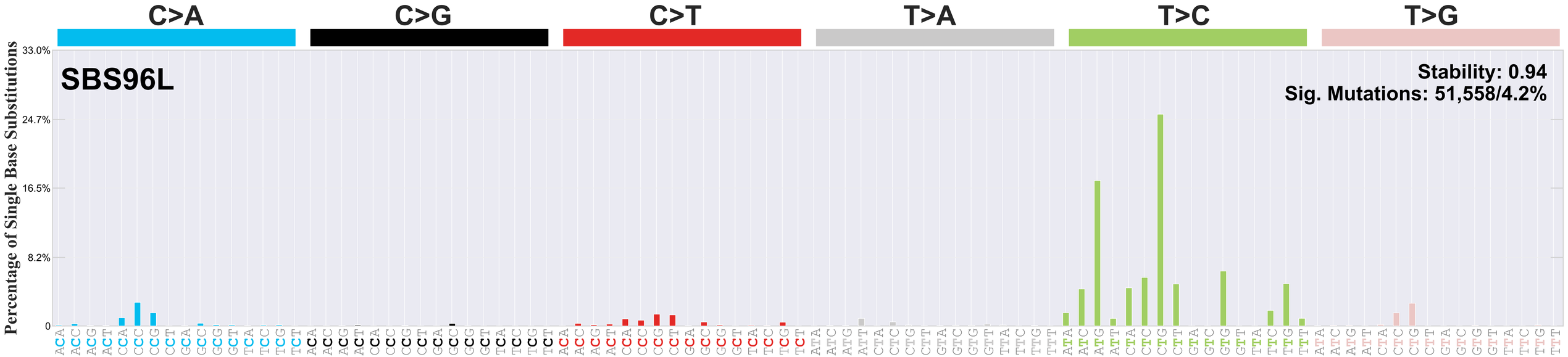

C>A
C>G
C>T
T>A
T>C
T>G
SBS96G
Stability: 0.84
Sig. Mutations: 71,462/5.9%
Percentage of Single Base Substitutions
61.4%
46.1%
30.7%
15.4%
0

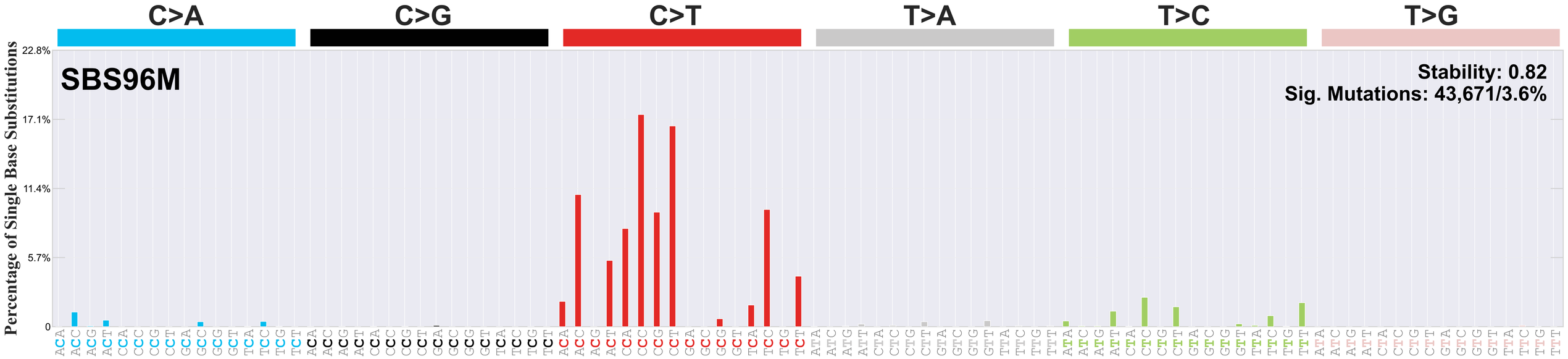

C>A
C>G
C>T
T>A
T>C
T>G
SBS96H
Stability: 0.74
Sig. Mutations: 68,543/5.6%
Percentage of Single Base Substitutions
45.1%
33.8%
22.5%
11.3%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

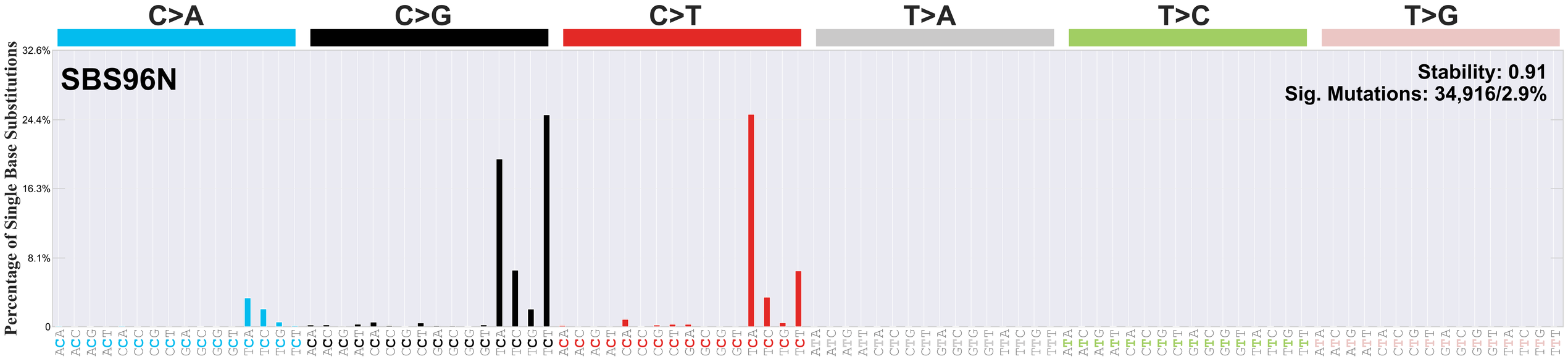

C>A
C>G
C>T
T>A
T>C
T>G
SBS96I
Stability: 0.5
Sig. Mutations: 66,117/5.4%
Percentage of Single Base Substitutions
35.3%
26.5%
17.7%
8.8%
0

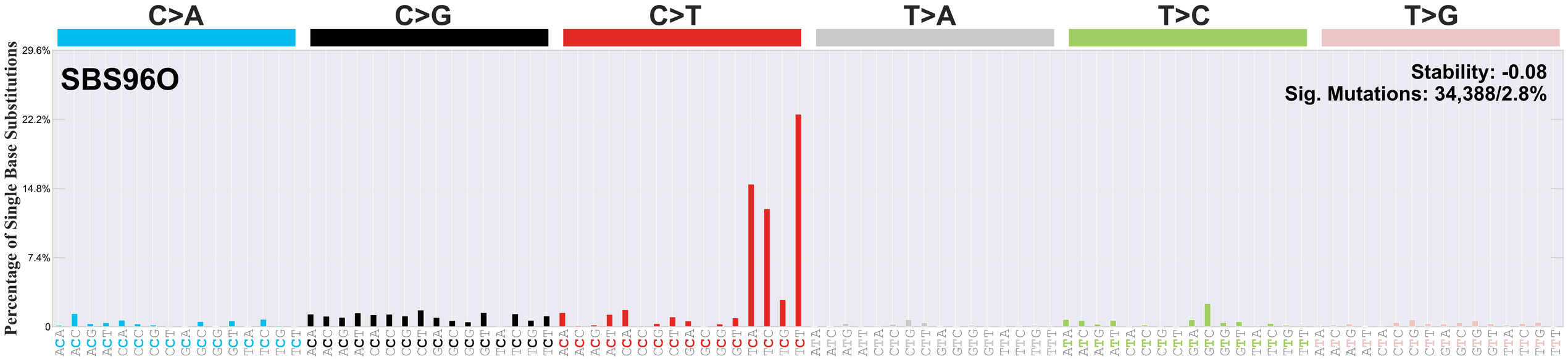

C>A
C>G
C>T
T>A
T>C
T>G
SBS96J
Stability: 0.92
Sig. Mutations: 64,538/5.3%
Percentage of Single Base Substitutions
26.4%
19.8%
13.2%
6.6%
0

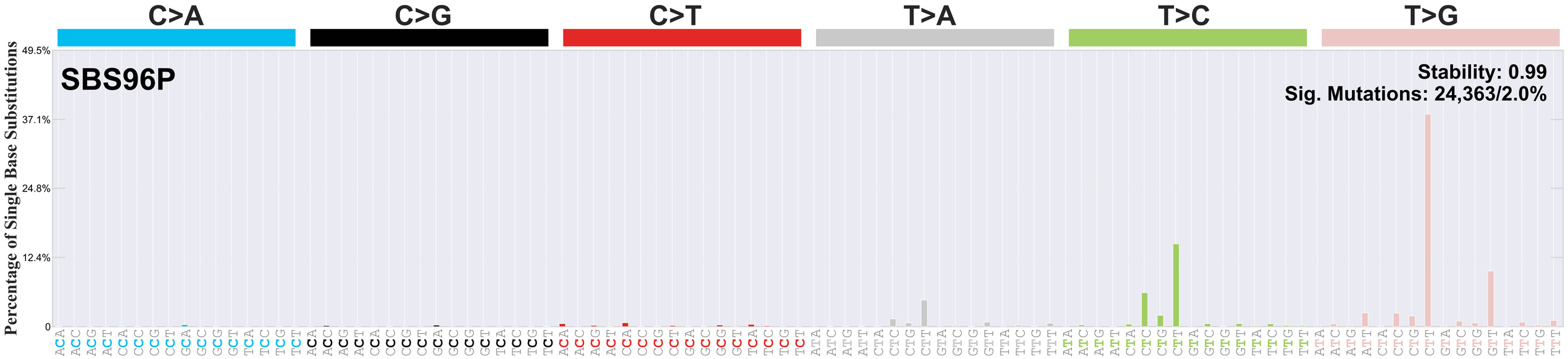

C>A
C>G
C>T
T>A
T>C
T>G
SBS96K
Stability: 0.34
Sig. Mutations: 55,687/4.6%
Percentage of Single Base Substitutions
28.4%
21.3%
14.2%
7.1%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

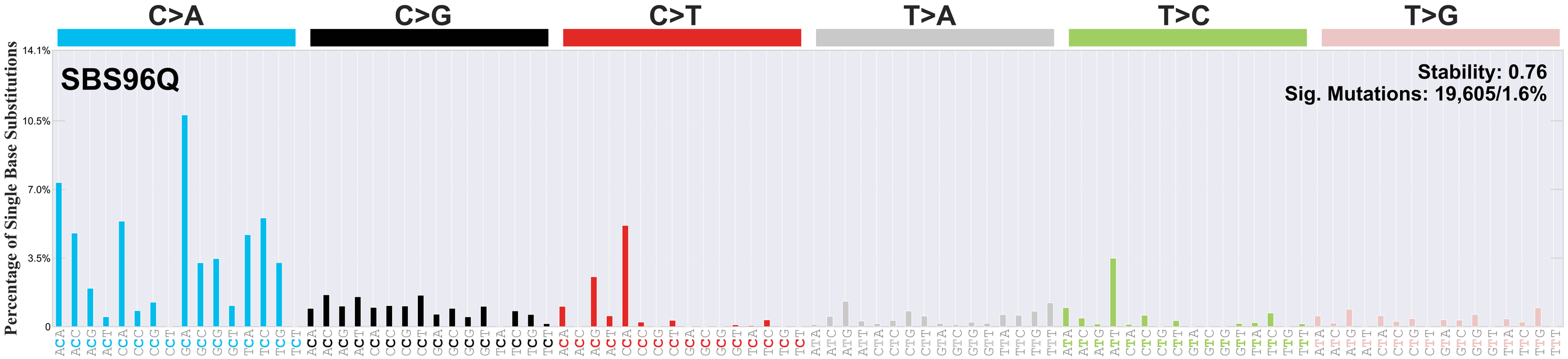

C>A
C>G
C>T
T>A
T>C
T>G
SBS96L
Stability: 0.94
Sig. Mutations: 51,558/4.2%
Percentage of Single Base Substitutions
33.0%
24.7%
16.5%
8.2%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

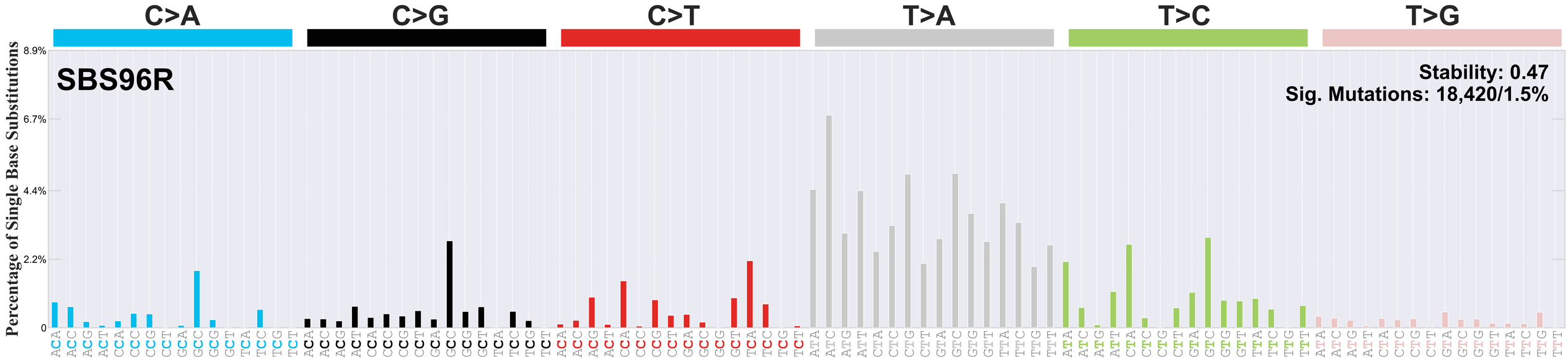

C>A
C>G
C>T
T>A
T>C
T>G
SBS96M
Stability: 0.82
Sig. Mutations: 43,671/3.6%
Percentage of Single Base Substitutions
22.8%
17.1%
11.4%
5.7%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96N
Stability: 0.91
Sig. Mutations: 34,916/2.9%
Percentage of Single Base Substitutions
32.6%
24.4%
16.3%
8.1%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96O
Stability: -0.08
Sig. Mutations: 34,388/2.8%
Percentage of Single Base Substitutions
29.6%
22.2%
14.8%
7.4%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
SBS96P
Stability: 0.99
Sig. Mutations: 24,363/2.0%
Percentage of Single Base Substitutions
49.5%
37.1%
24.8%
12.4%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96Q
Stability: 0.76
Sig. Mutations: 19,605/1.6%
Percentage of Single Base Substitutions
14.1%
10.5%
7.0%
3.5%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT


C>A
C>G
C>T
T>A
T>C
T>G
SBS96R
Stability: 0.47
Sig. Mutations: 18,420/1.5%
Percentage of Single Base Substitutions
8.9%
6.7%
4.4%
2.2%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT