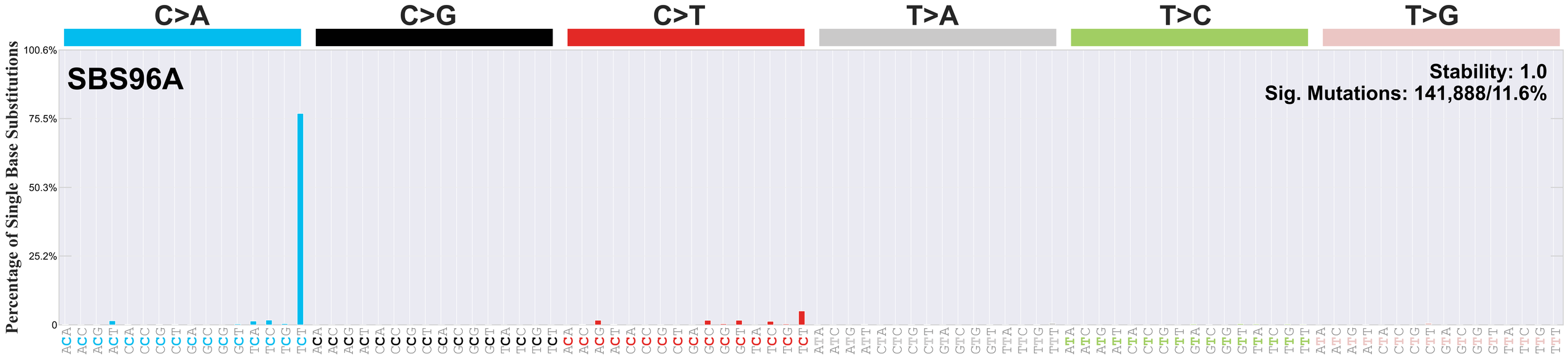
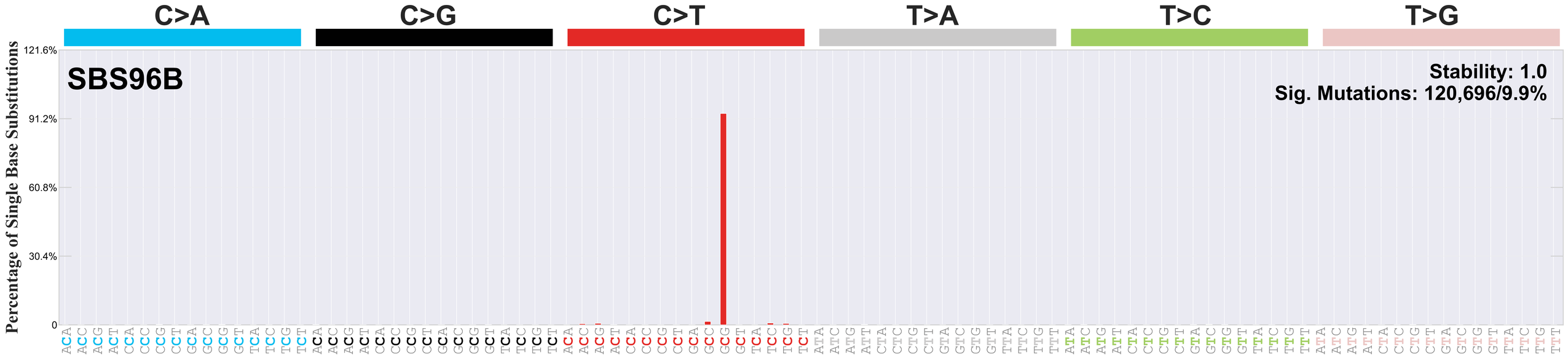
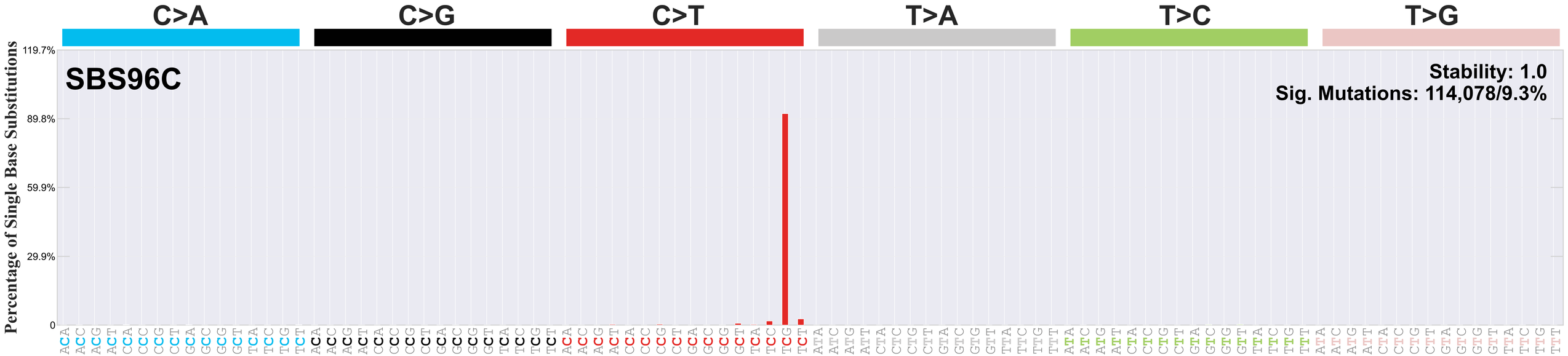
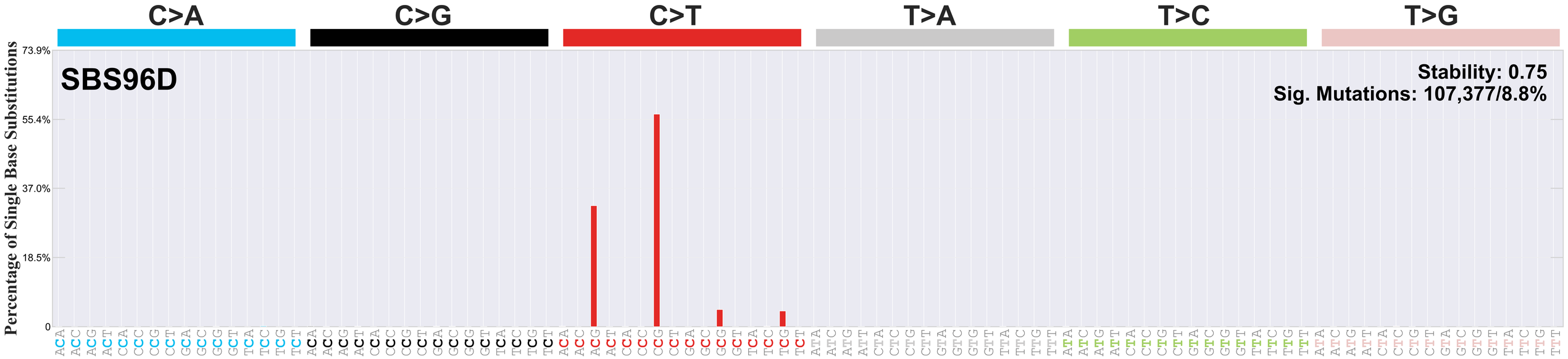
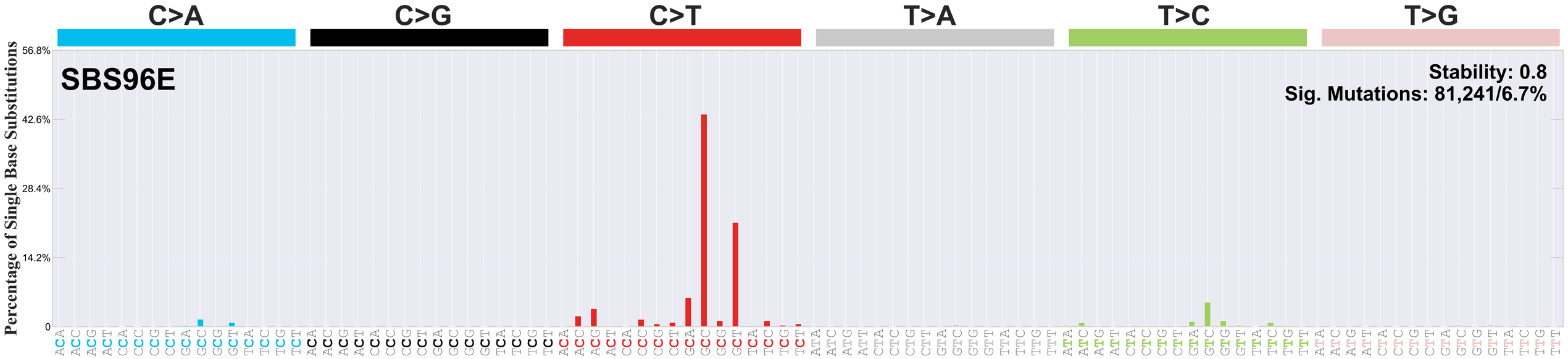
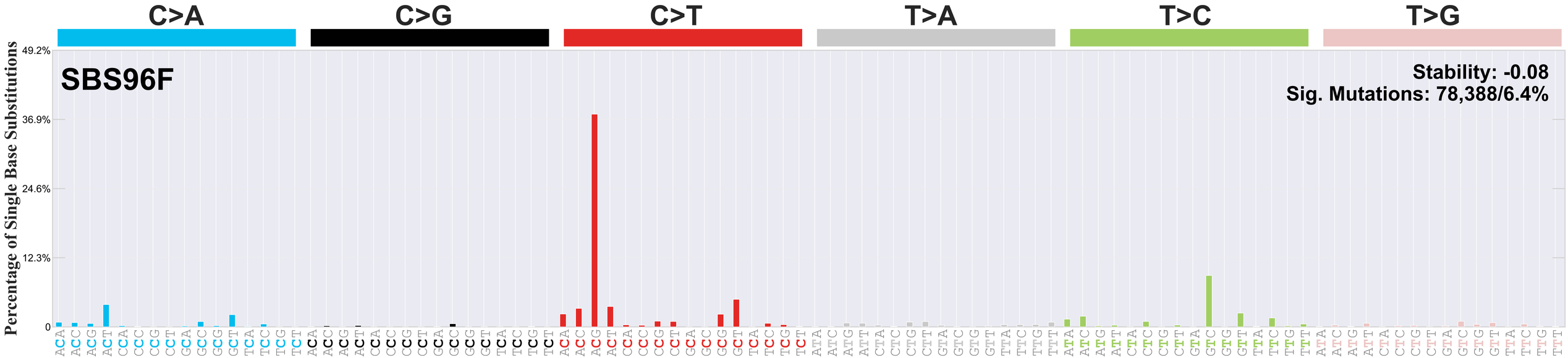

C>A
C>G
C>T
T>A
T>C
T>G
SBS96A
Stability: 1.0
Sig. Mutations: 141,888/11.6%
Percentage of Single Base Substitutions
100.6%
75.5%
50.3%
25.2%
0

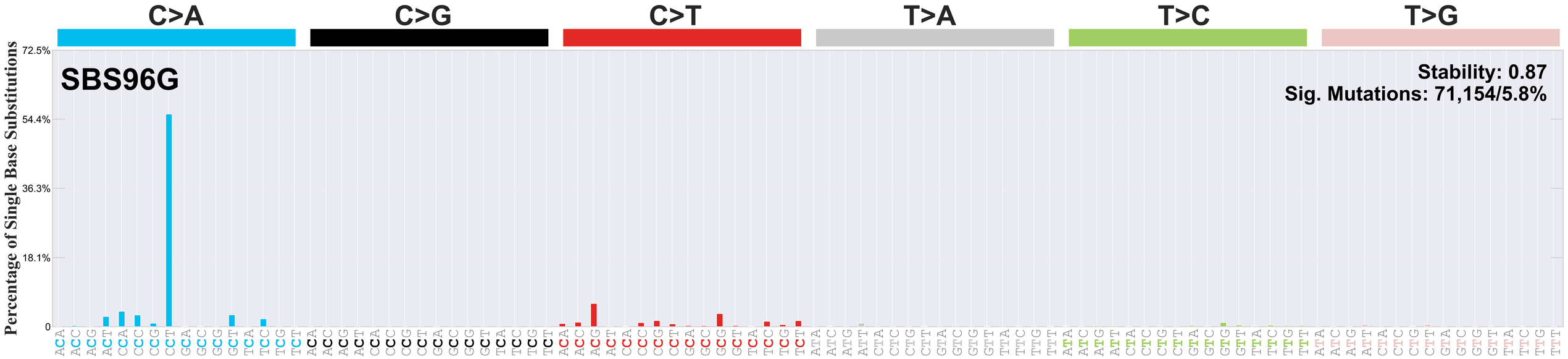

C>A
C>G
C>T
T>A
T>C
T>G
SBS96B
Stability: 1.0
Sig. Mutations: 120,696/9.9%
Percentage of Single Base Substitutions
121.6%
91.2%
60.8%
30.4%
0

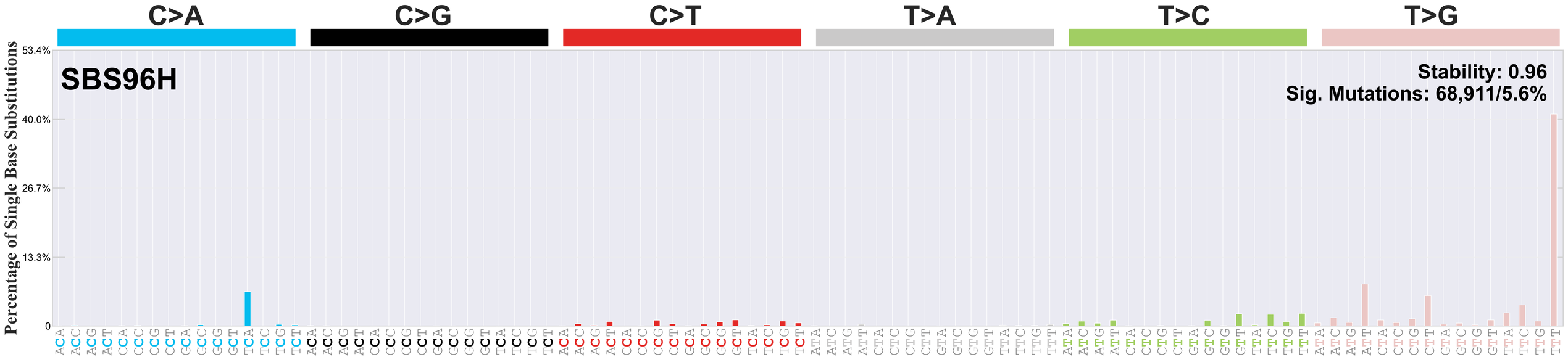

C>A
C>G
C>T
T>A
T>C
T>G
SBS96C
Stability: 1.0
Sig. Mutations: 114,078/9.3%
Percentage of Single Base Substitutions
119.7%
89.8%
59.9%
29.9%
0

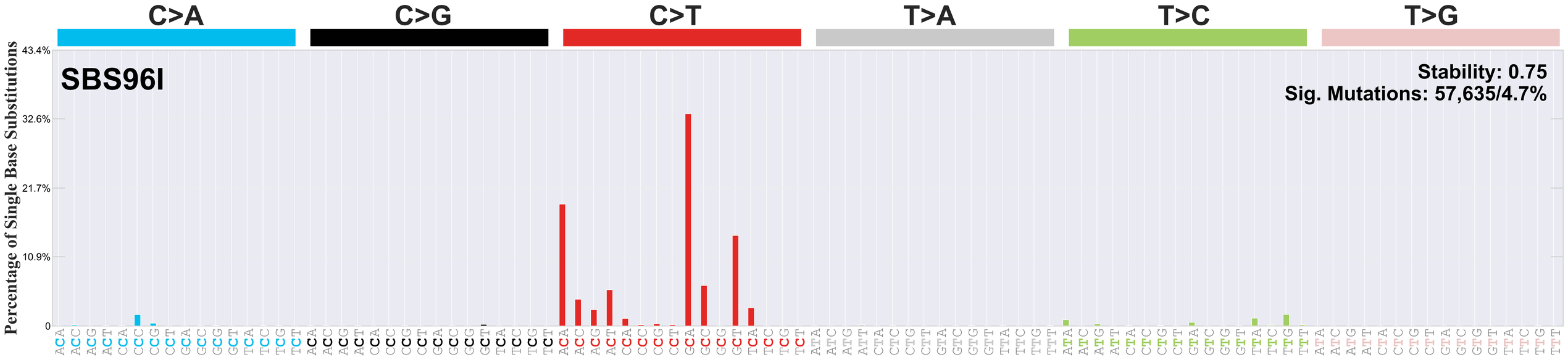

C>A
C>G
C>T
T>A
T>C
T>G
SBS96D
Stability: 0.75
Sig. Mutations: 107,377/8.8%
Percentage of Single Base Substitutions
73.9%
55.4%
37.0%
18.5%
0

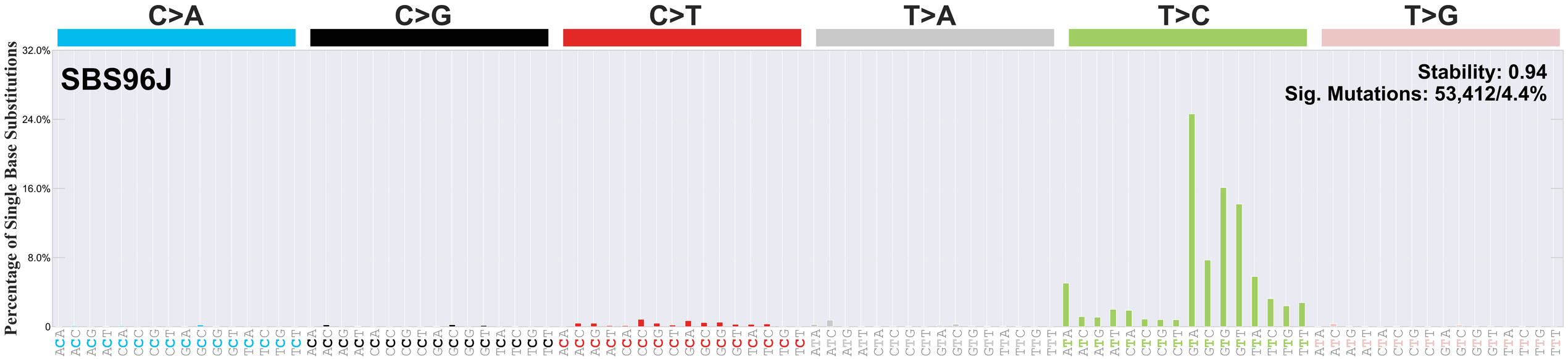

C>A
C>G
C>T
T>A
T>C
T>G
SBS96E
Stability: 0.8
Sig. Mutations: 81,241/6.7%
Percentage of Single Base Substitutions
56.8%
42.6%
28.4%
14.2%
0

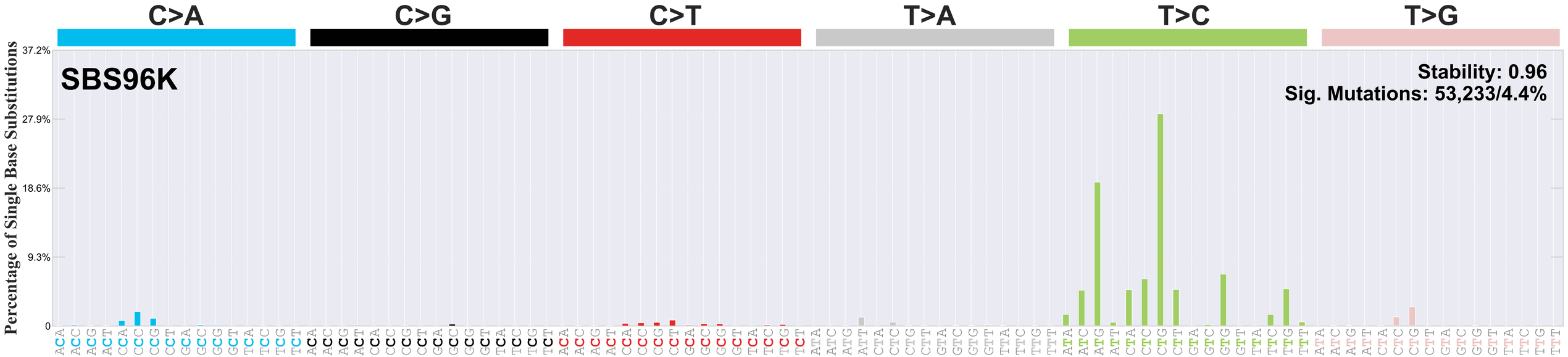

C>A
C>G
C>T
T>A
T>C
T>G
SBS96F
Stability: -0.08
Sig. Mutations: 78,388/6.4%
Percentage of Single Base Substitutions
49.2%
36.9%
24.6%
12.3%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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

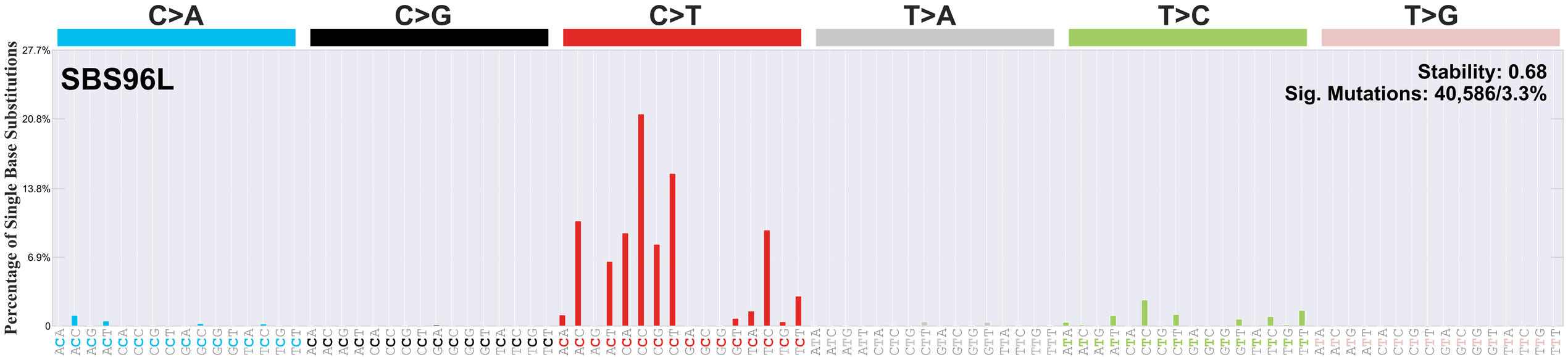

C>A
C>G
C>T
T>A
T>C
T>G
SBS96G
Stability: 0.87
Sig. Mutations: 71,154/5.8%
Percentage of Single Base Substitutions
72.5%
54.4%
36.3%
18.1%
0

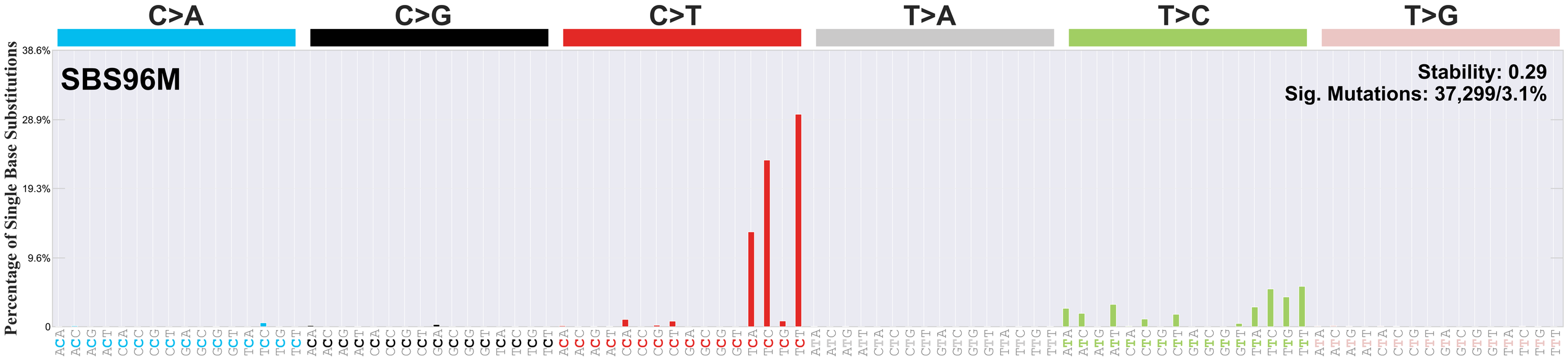

C>A
C>G
C>T
T>A
T>C
T>G
SBS96H
Stability: 0.96
Sig. Mutations: 68,911/5.6%
Percentage of Single Base Substitutions
53.4%
40.0%
26.7%
13.3%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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

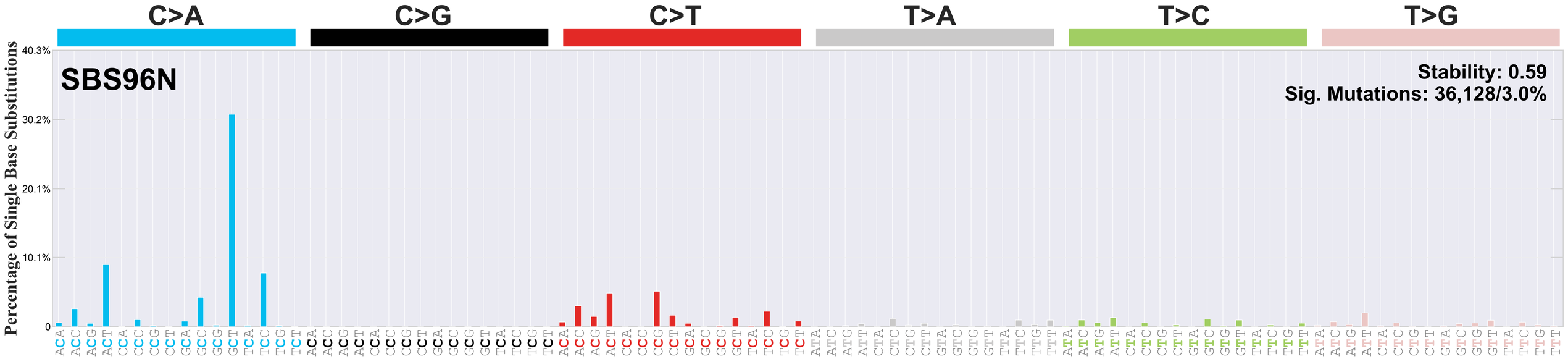

C>A
C>G
C>T
T>A
T>C
T>G
SBS96I
Stability: 0.75
Sig. Mutations: 57,635/4.7%
Percentage of Single Base Substitutions
43.4%
32.6%
21.7%
10.9%
0

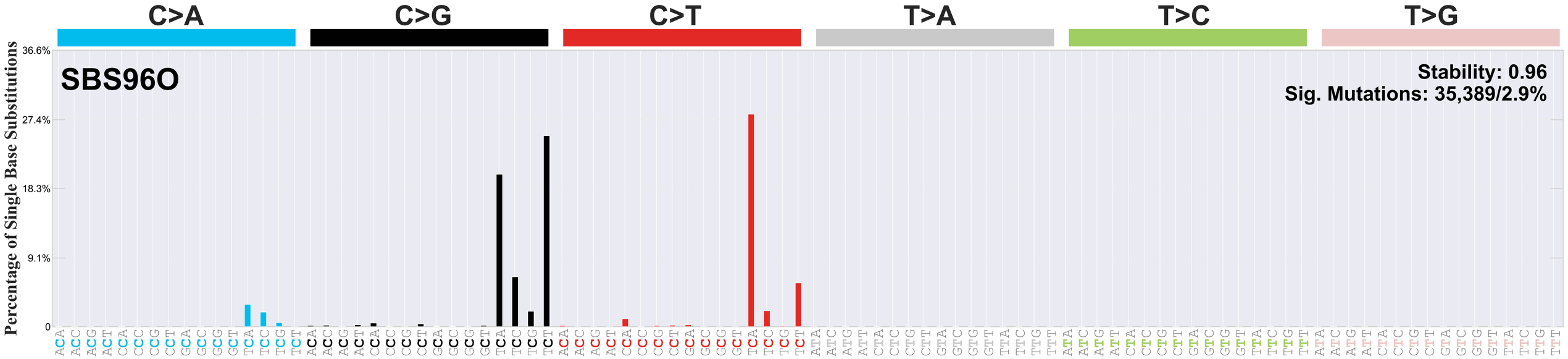

C>A
C>G
C>T
T>A
T>C
T>G
SBS96J
Stability: 0.94
Sig. Mutations: 53,412/4.4%
Percentage of Single Base Substitutions
32.0%
24.0%
16.0%
8.0%
0

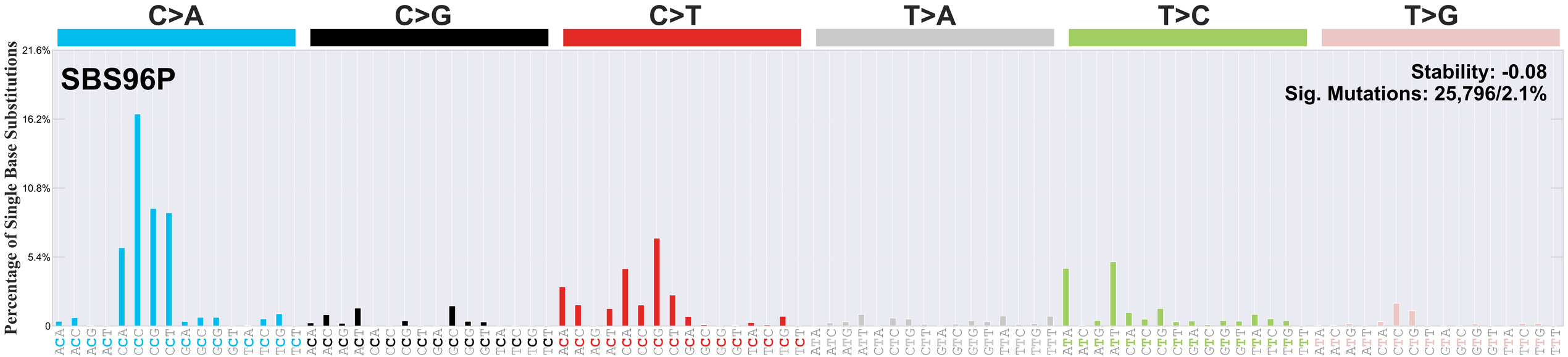

C>A
C>G
C>T
T>A
T>C
T>G
SBS96K
Stability: 0.96
Sig. Mutations: 53,233/4.4%
Percentage of Single Base Substitutions
37.2%
27.9%
18.6%
9.3%
0

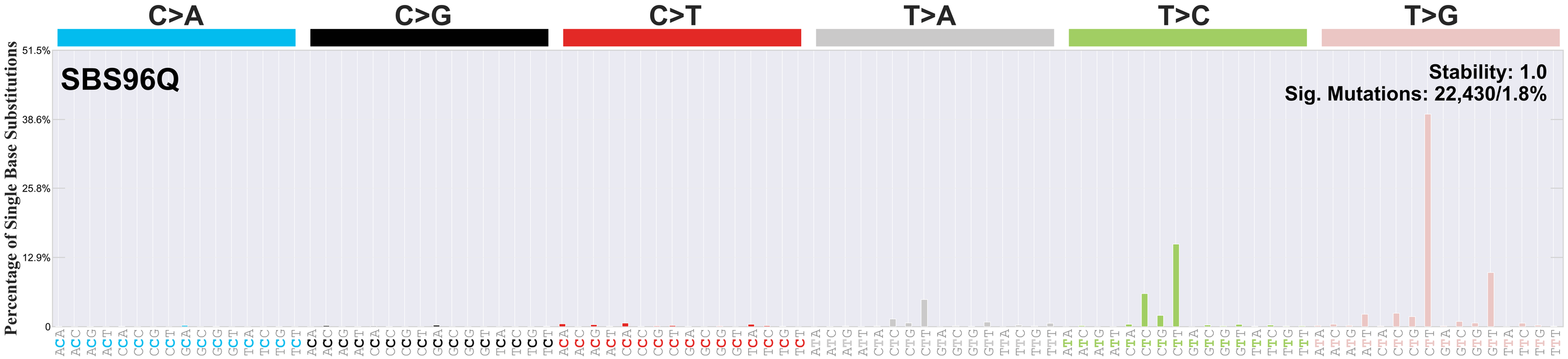

C>A
C>G
C>T
T>A
T>C
T>G
SBS96L
Stability: 0.68
Sig. Mutations: 40,586/3.3%
Percentage of Single Base Substitutions
27.7%
20.8%
13.8%
6.9%
0

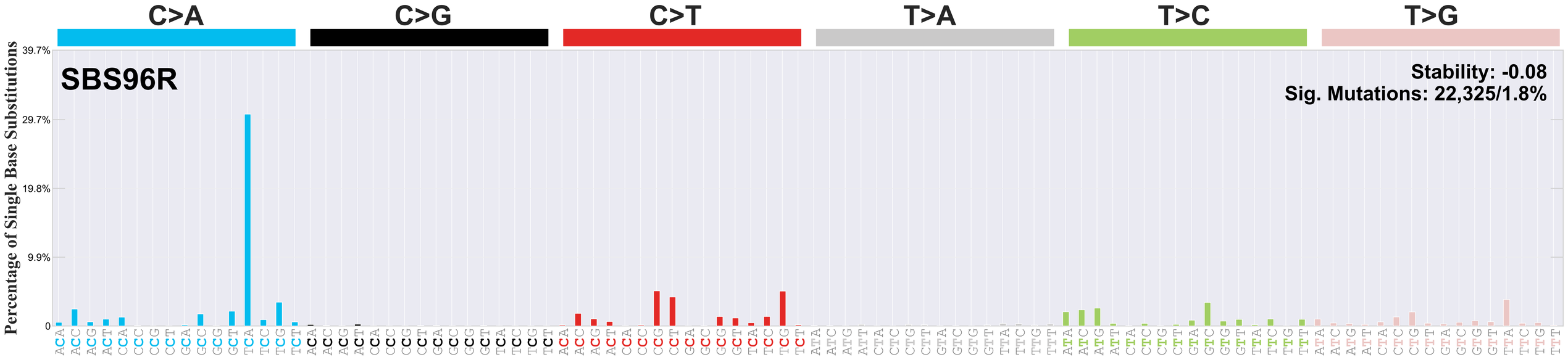

C>A
C>G
C>T
T>A
T>C
T>G
SBS96M
Stability: 0.29
Sig. Mutations: 37,299/3.1%
Percentage of Single Base Substitutions
38.6%
28.9%
19.3%
9.6%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA 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

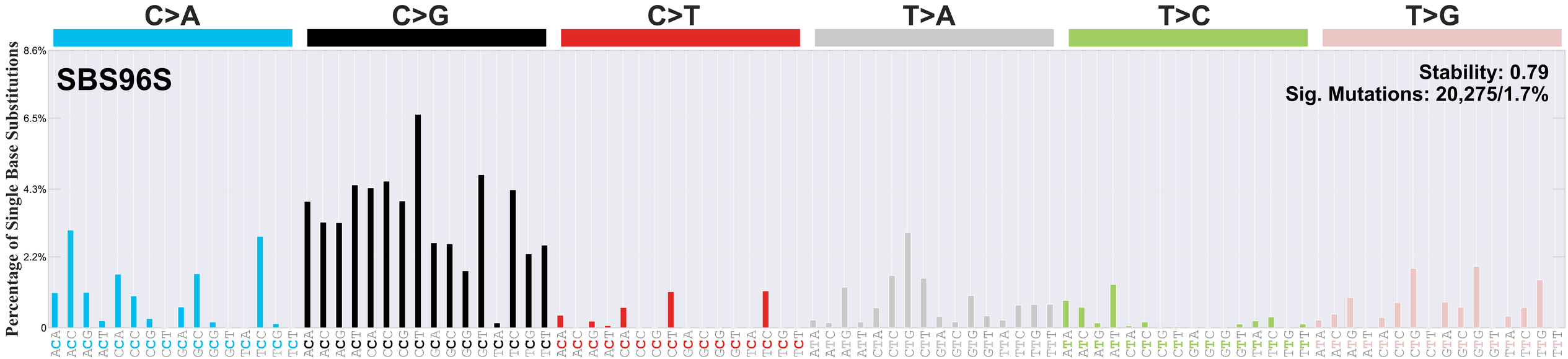

C>A
C>G
C>T
T>A
T>C
T>G
SBS96N
Stability: 0.59
Sig. Mutations: 36,128/3.0%
Percentage of Single Base Substitutions
40.3%
30.2%
20.1%
10.1%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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

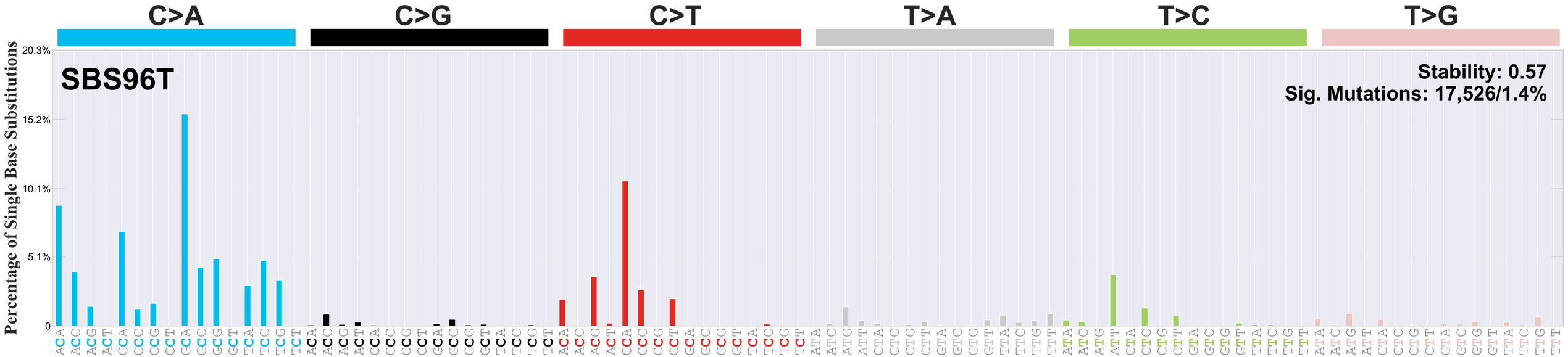

C>A
C>G
C>T
T>A
T>C
T>G
SBS96O
Stability: 0.96
Sig. Mutations: 35,389/2.9%
Percentage of Single Base Substitutions
36.6%
27.4%
18.3%
9.1%
0

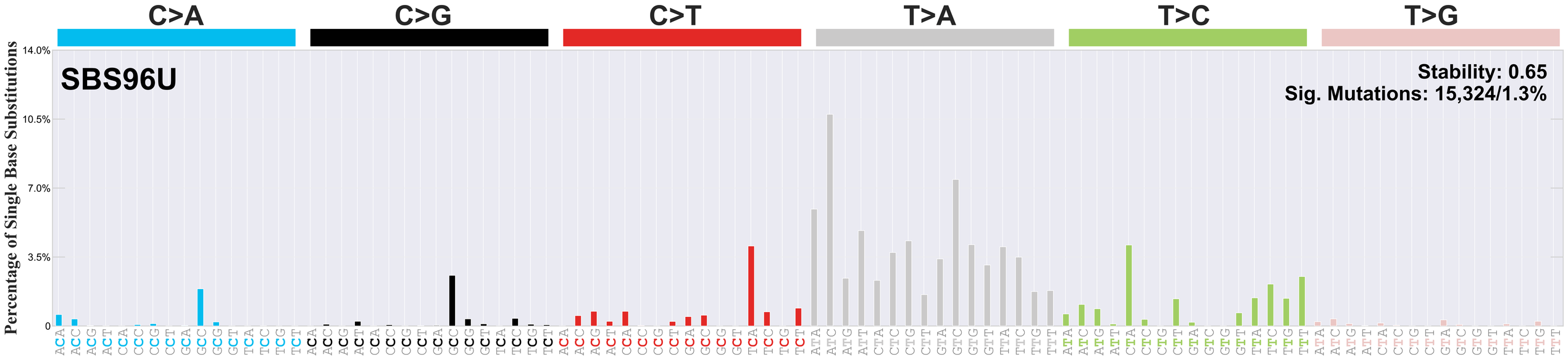

C>A
C>G
C>T
T>A
T>C
T>G
SBS96P
Stability: -0.08
Sig. Mutations: 25,796/2.1%
Percentage of Single Base Substitutions
21.6%
16.2%
10.8%
5.4%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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
SBS96Q
Stability: 1.0
Sig. Mutations: 22,430/1.8%
Percentage of Single Base Substitutions
51.5%
38.6%
25.8%
12.9%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96R
Stability: -0.08
Sig. Mutations: 22,325/1.8%
Percentage of Single Base Substitutions
39.7%
29.7%
19.8%
9.9%
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
SBS96S
Stability: 0.79
Sig. Mutations: 20,275/1.7%
Percentage of Single Base Substitutions
8.6%
6.5%
4.3%
2.2%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96T
Stability: 0.57
Sig. Mutations: 17,526/1.4%
Percentage of Single Base Substitutions
20.3%
15.2%
10.1%
5.1%
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
SBS96U
Stability: 0.65
Sig. Mutations: 15,324/1.3%
Percentage of Single Base Substitutions
14.0%
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 ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT