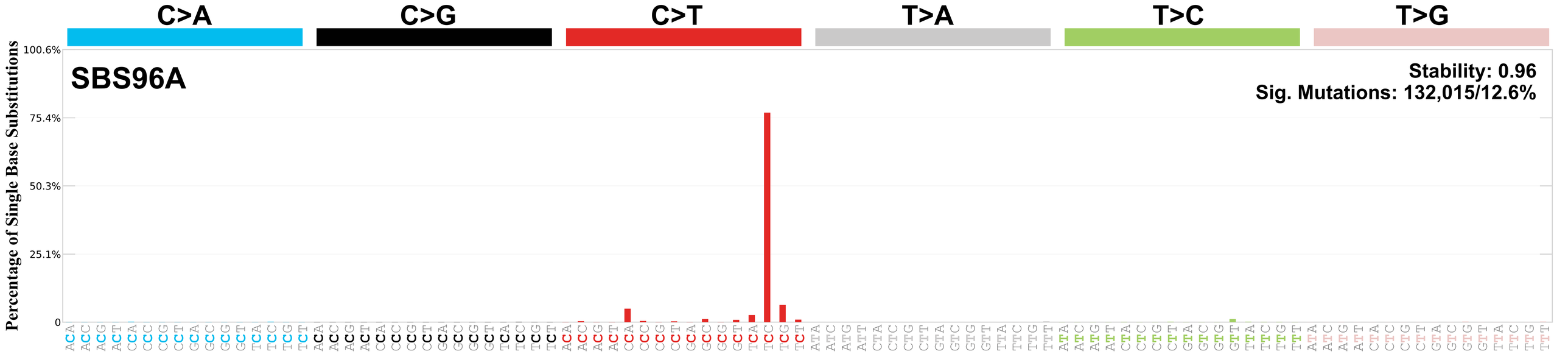
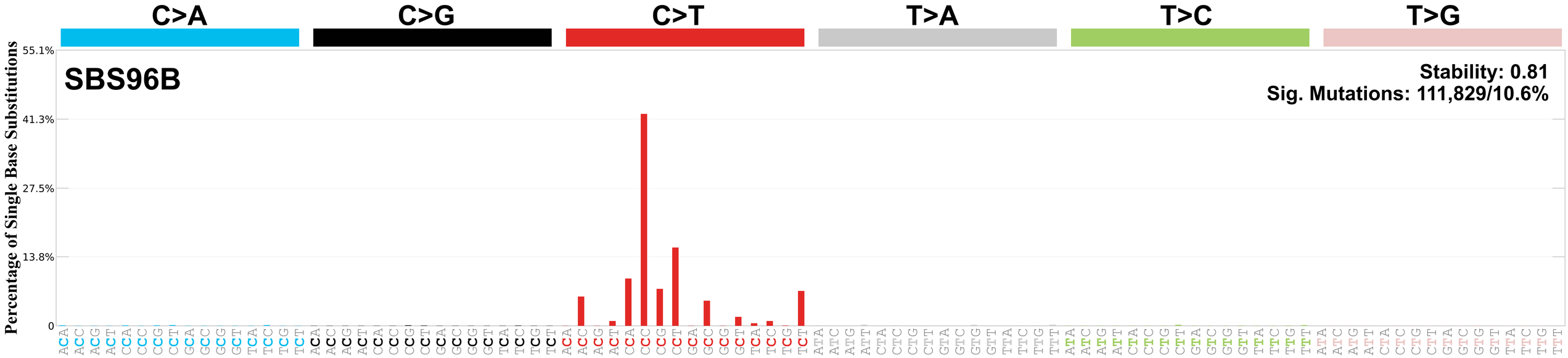
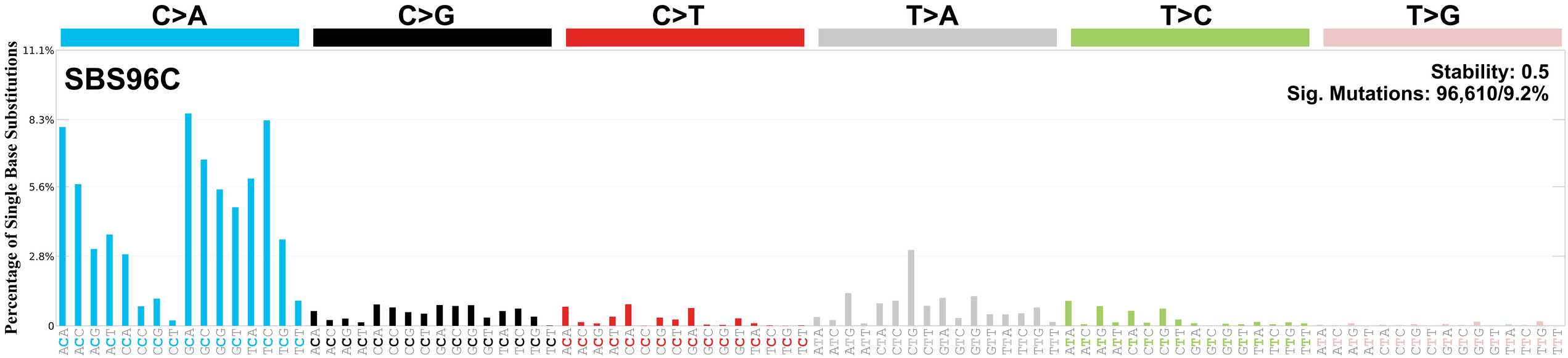
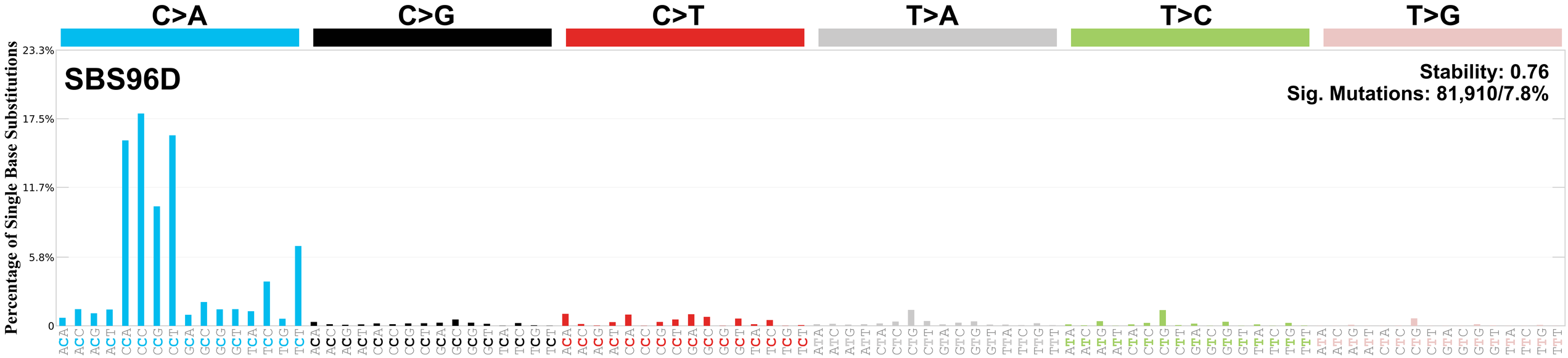
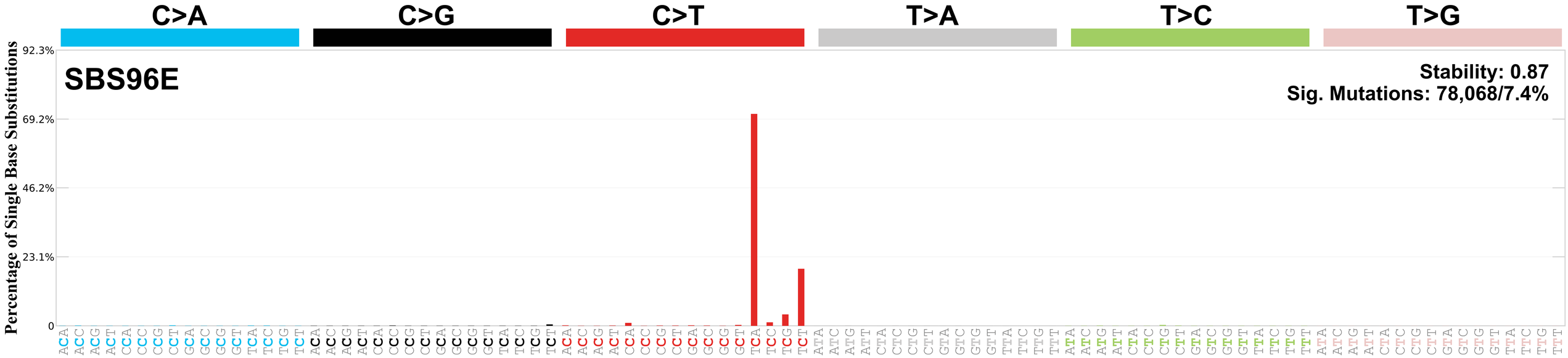
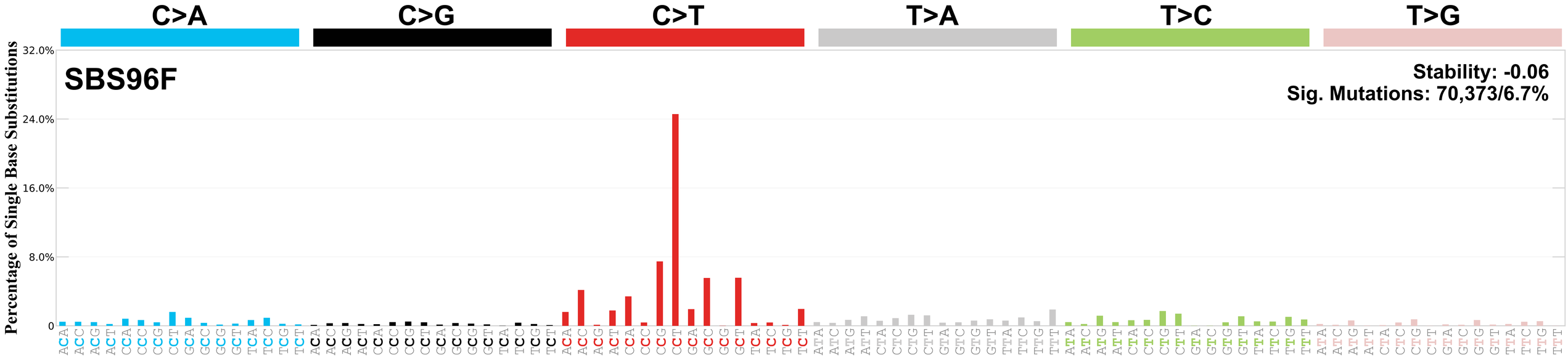

C>A
C>G
C>T
T>A
T>C
T>G
SBS96A
Stability: 0.96
Sig. Mutations: 132,015/12.6%
Percentage of Single Base Substitutions
100.6%
75.4%
50.3%
25.1%
0

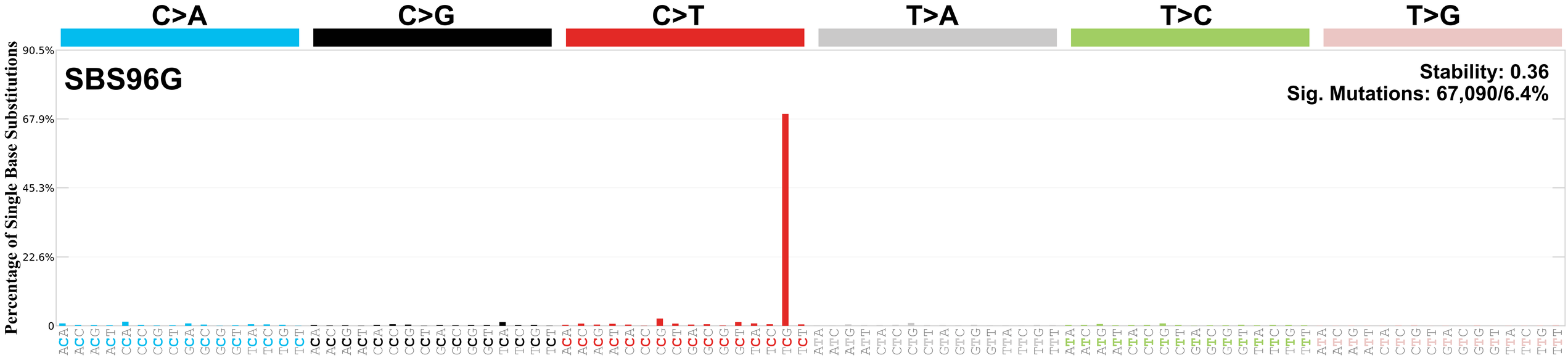

C>A
C>G
C>T
T>A
T>C
T>G
SBS96B
Stability: 0.81
Sig. Mutations: 111,829/10.6%
Percentage of Single Base Substitutions
55.1%
41.3%
27.5%
13.8%
0

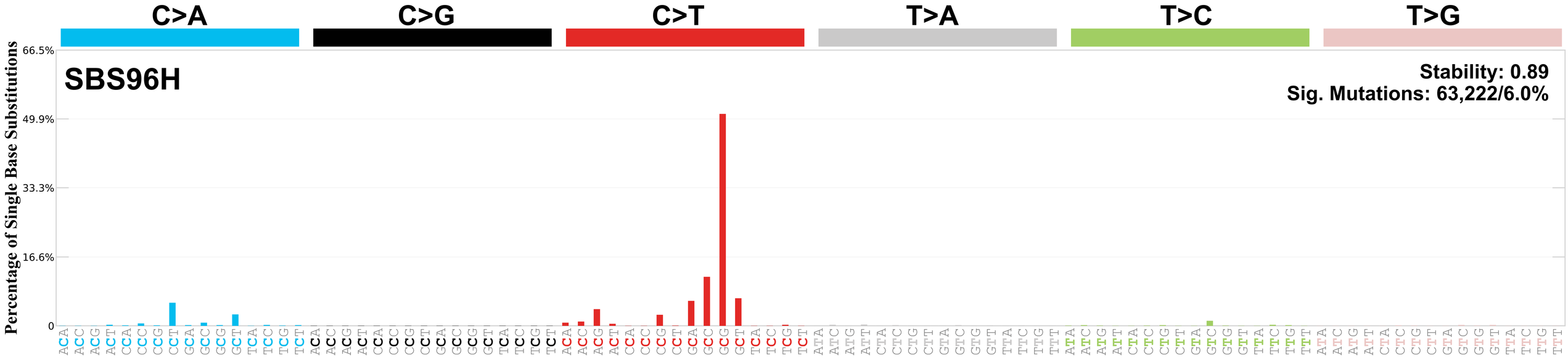

C>A
C>G
C>T
T>A
T>C
T>G
SBS96C
Stability: 0.5
Sig. Mutations: 96,610/9.2%
Percentage of Single Base Substitutions
11.1%
8.3%
5.6%
2.8%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA 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

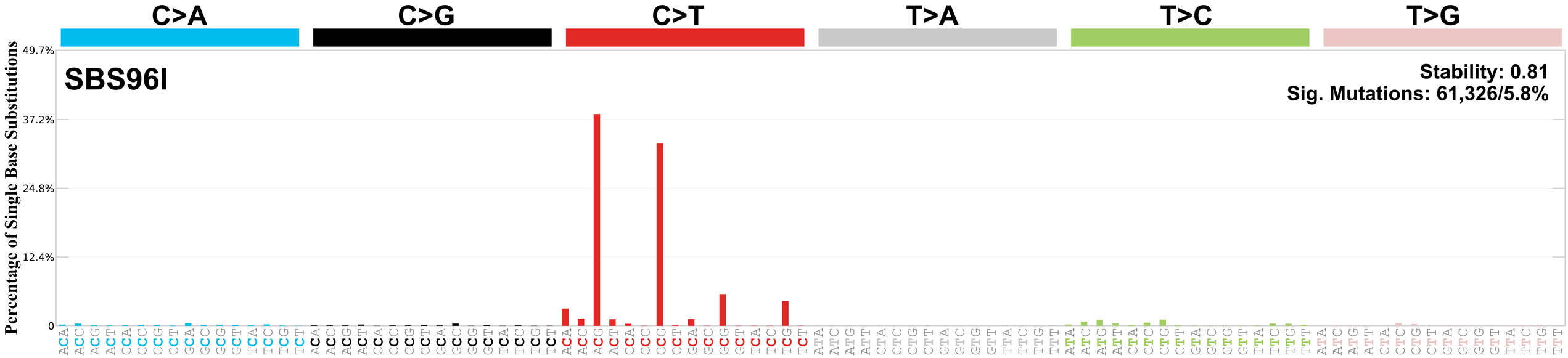

C>A
C>G
C>T
T>A
T>C
T>G
SBS96D
Stability: 0.76
Sig. Mutations: 81,910/7.8%
Percentage of Single Base Substitutions
23.3%
17.5%
11.7%
5.8%
0

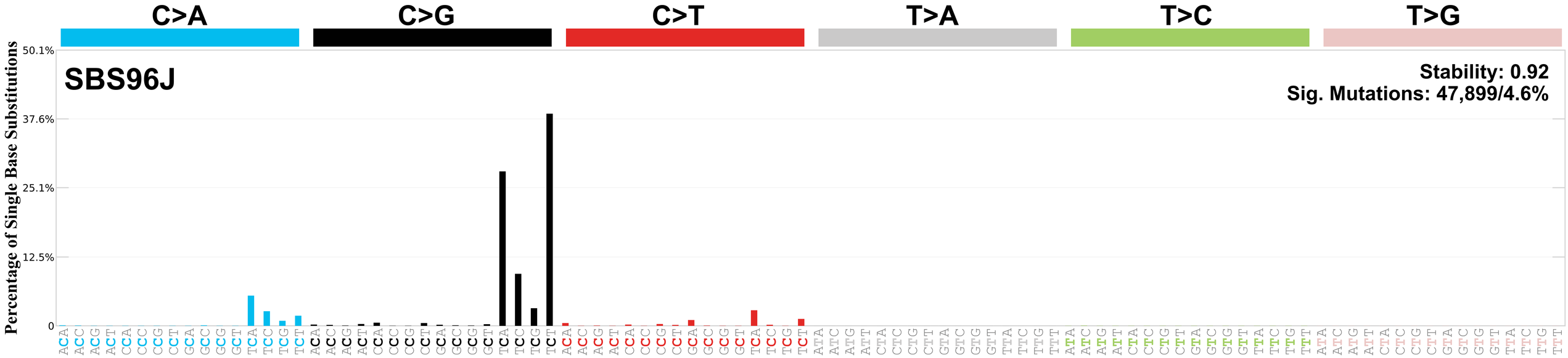

C>A
C>G
C>T
T>A
T>C
T>G
SBS96E
Stability: 0.87
Sig. Mutations: 78,068/7.4%
Percentage of Single Base Substitutions
92.3%
69.2%
46.2%
23.1%
0

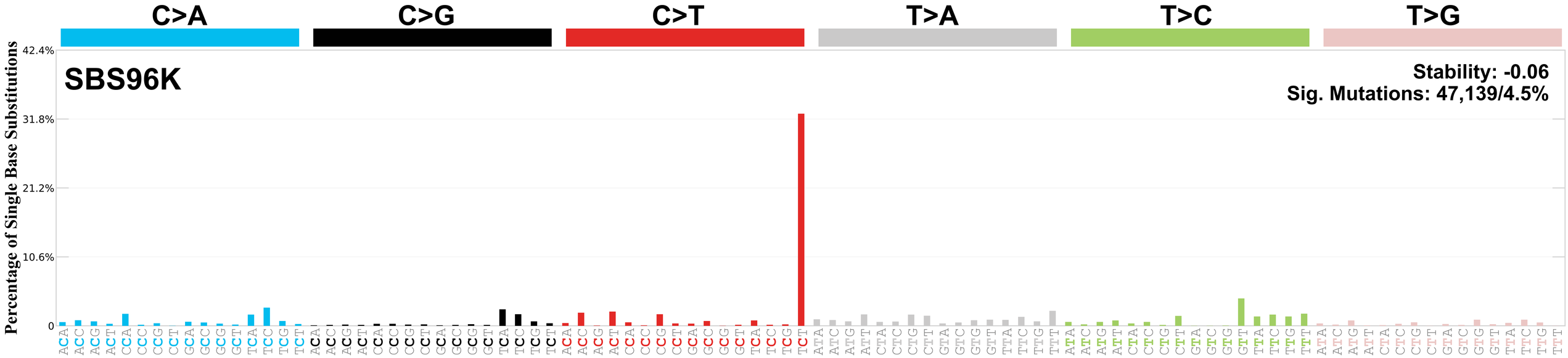

C>A
C>G
C>T
T>A
T>C
T>G
SBS96F
Stability: -0.06
Sig. Mutations: 70,373/6.7%
Percentage of Single Base Substitutions
32.0%
24.0%
16.0%
8.0%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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

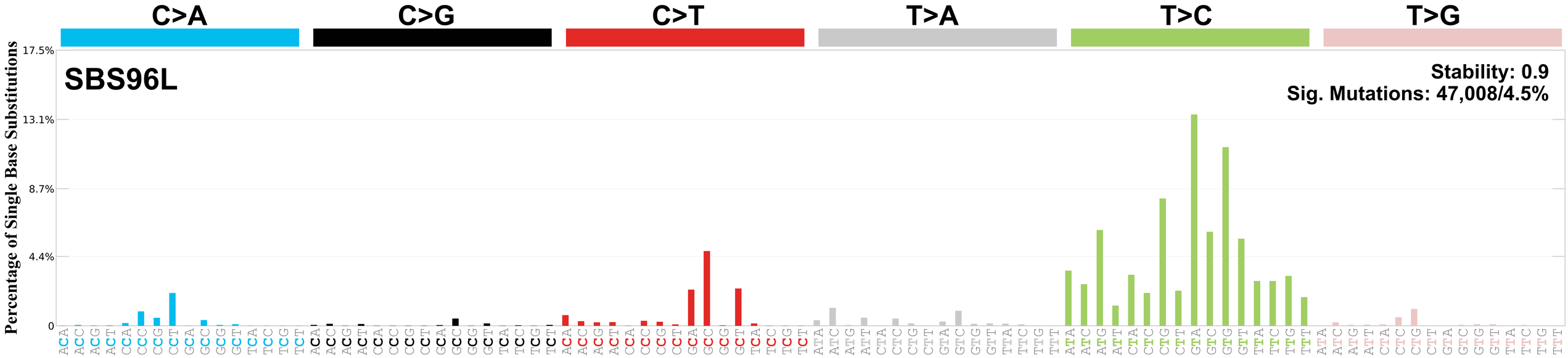

C>A
C>G
C>T
T>A
T>C
T>G
SBS96G
Stability: 0.36
Sig. Mutations: 67,090/6.4%
Percentage of Single Base Substitutions
90.5%
67.9%
45.3%
22.6%
0

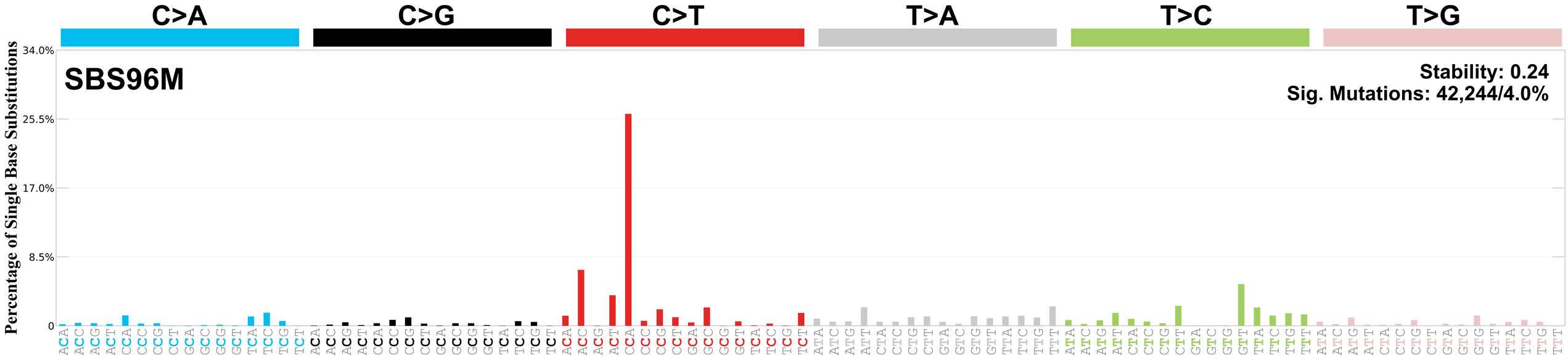

C>A
C>G
C>T
T>A
T>C
T>G
SBS96H
Stability: 0.89
Sig. Mutations: 63,222/6.0%
Percentage of Single Base Substitutions
66.5%
49.9%
33.3%
16.6%
0

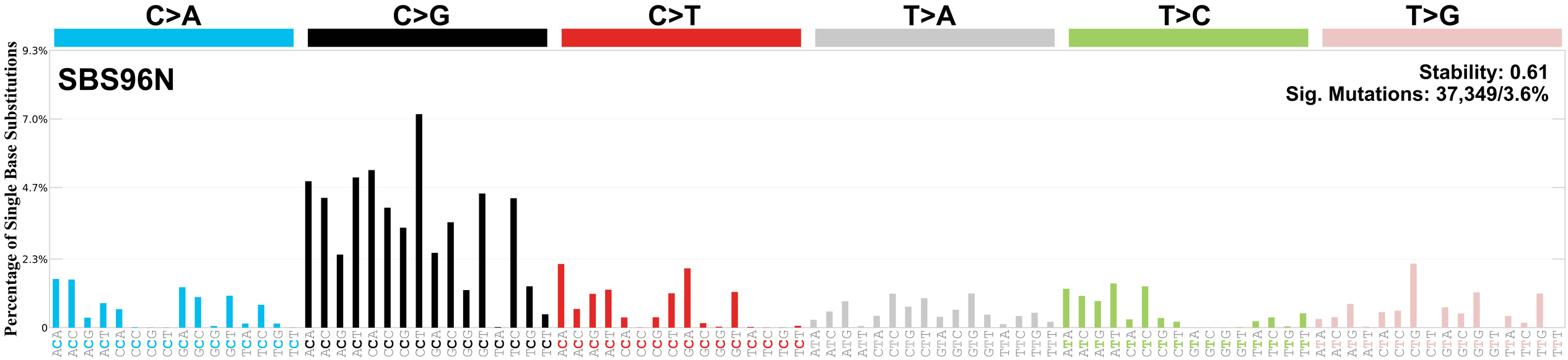

C>A
C>G
C>T
T>A
T>C
T>G
SBS96I
Stability: 0.81
Sig. Mutations: 61,326/5.8%
Percentage of Single Base Substitutions
49.7%
37.2%
24.8%
12.4%
0

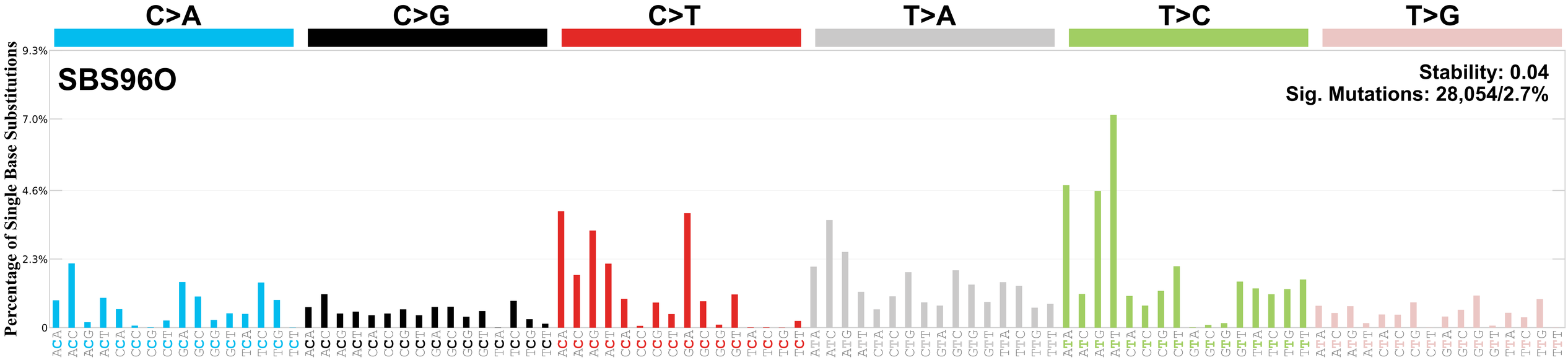

C>A
C>G
C>T
T>A
T>C
T>G
SBS96J
Stability: 0.92
Sig. Mutations: 47,899/4.6%
Percentage of Single Base Substitutions
50.1%
37.6%
25.1%
12.5%
0

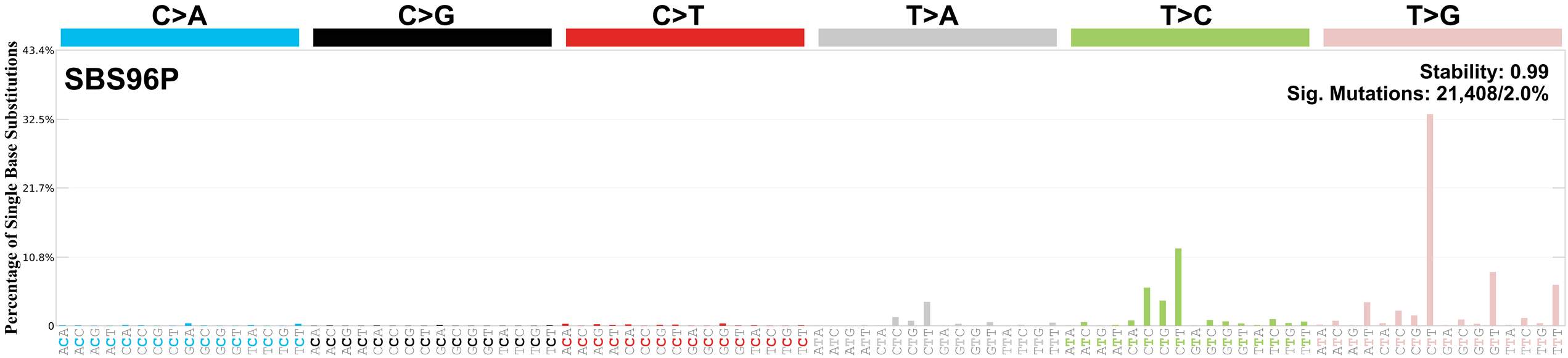

C>A
C>G
C>T
T>A
T>C
T>G
SBS96K
Stability: -0.06
Sig. Mutations: 47,139/4.5%
Percentage of Single Base Substitutions
42.4%
31.8%
21.2%
10.6%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT 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
ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT

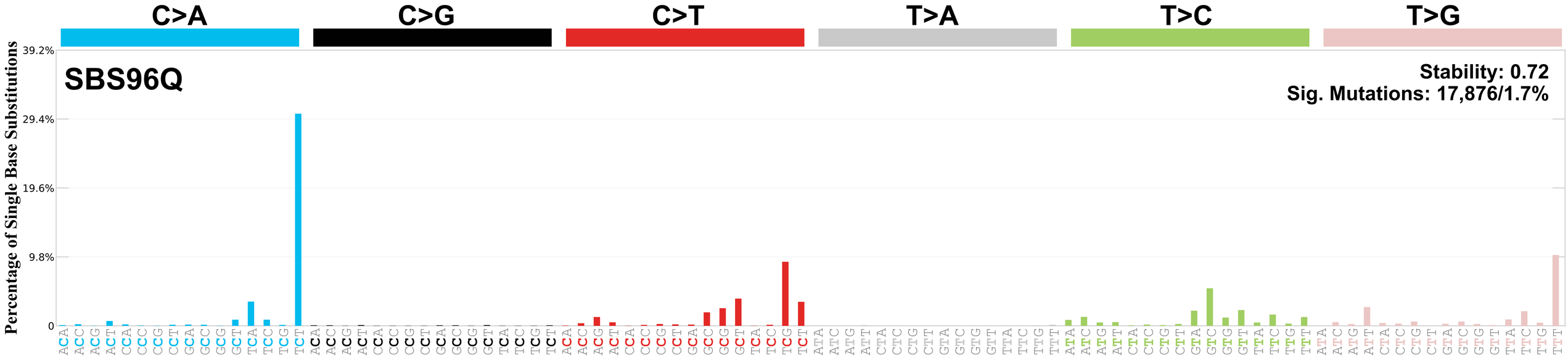

C>A
C>G
C>T
T>A
T>C
T>G
SBS96L
Stability: 0.9
Sig. Mutations: 47,008/4.5%
Percentage of Single Base Substitutions
17.5%
13.1%
8.7%
4.4%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96M
Stability: 0.24
Sig. Mutations: 42,244/4.0%
Percentage of Single Base Substitutions
34.0%
25.5%
17.0%
8.5%
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
SBS96N
Stability: 0.61
Sig. Mutations: 37,349/3.6%
Percentage of Single Base Substitutions
9.3%
7.0%
4.7%
2.3%
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 ATA ATC ATG ATT 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: 0.04
Sig. Mutations: 28,054/2.7%
Percentage of Single Base Substitutions
9.3%
7.0%
4.6%
2.3%
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
SBS96P
Stability: 0.99
Sig. Mutations: 21,408/2.0%
Percentage of Single Base Substitutions
43.4%
32.5%
21.7%
10.8%
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


C>A
C>G
C>T
T>A
T>C
T>G
SBS96Q
Stability: 0.72
Sig. Mutations: 17,876/1.7%
Percentage of Single Base Substitutions
39.2%
29.4%
19.6%
9.8%
0