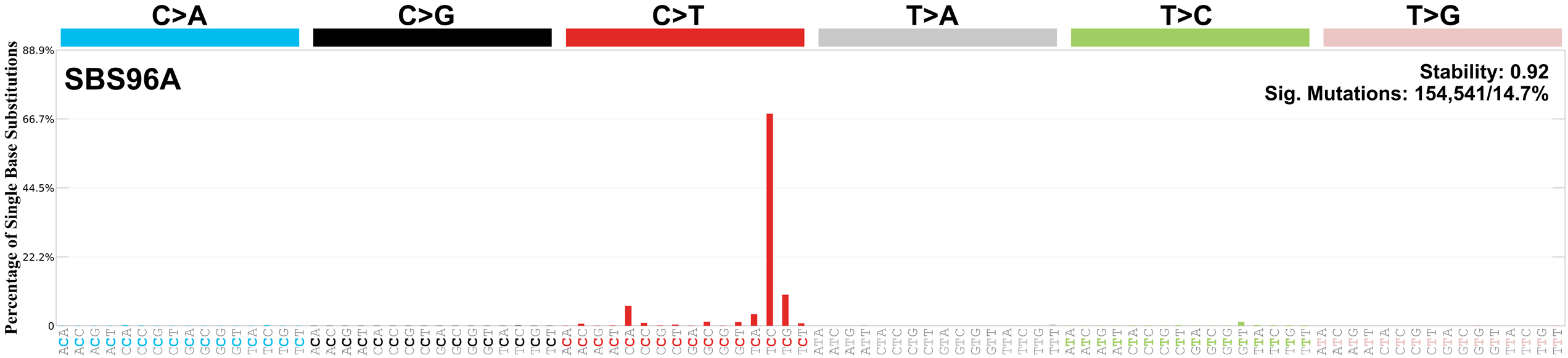
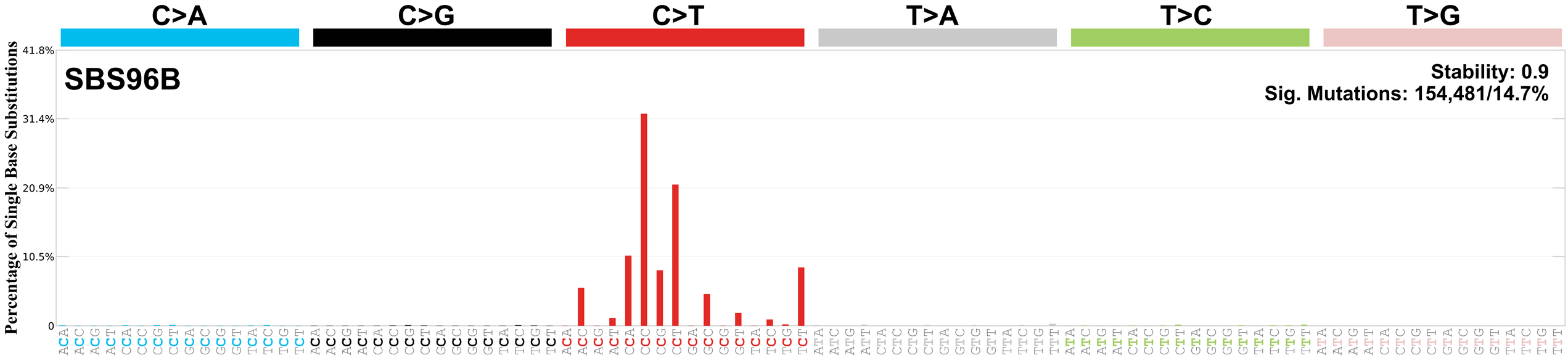
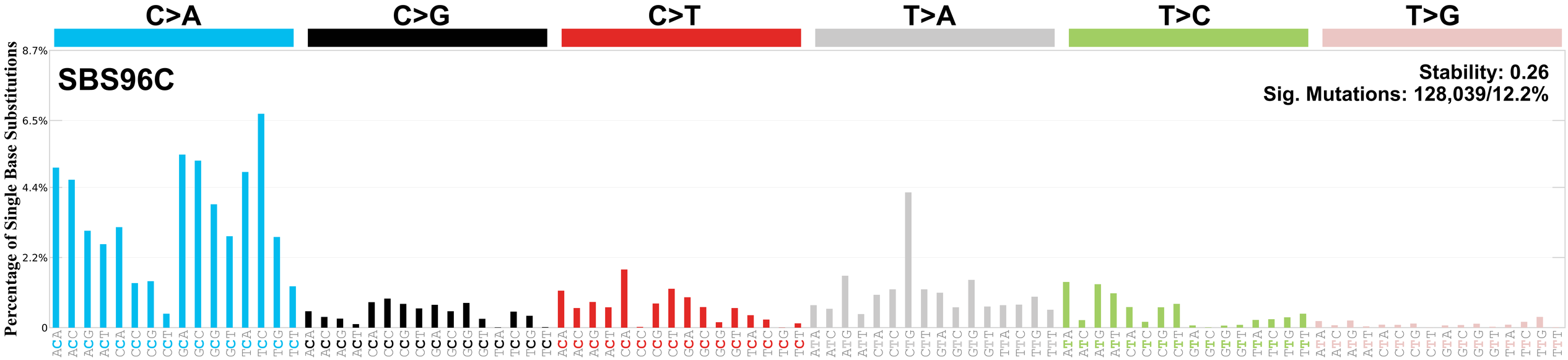

C>A
C>G
C>T
T>A
T>C
T>G
SBS96A
Stability: 0.92
Sig. Mutations: 154,541/14.7%
Percentage of Single Base Substitutions
88.9%
66.7%
44.5%
22.2%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96B
Stability: 0.9
Sig. Mutations: 154,481/14.7%
Percentage of Single Base Substitutions
41.8%
31.4%
20.9%
10.5%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96C
Stability: 0.26
Sig. Mutations: 128,039/12.2%
Percentage of Single Base Substitutions
8.7%
6.5%
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
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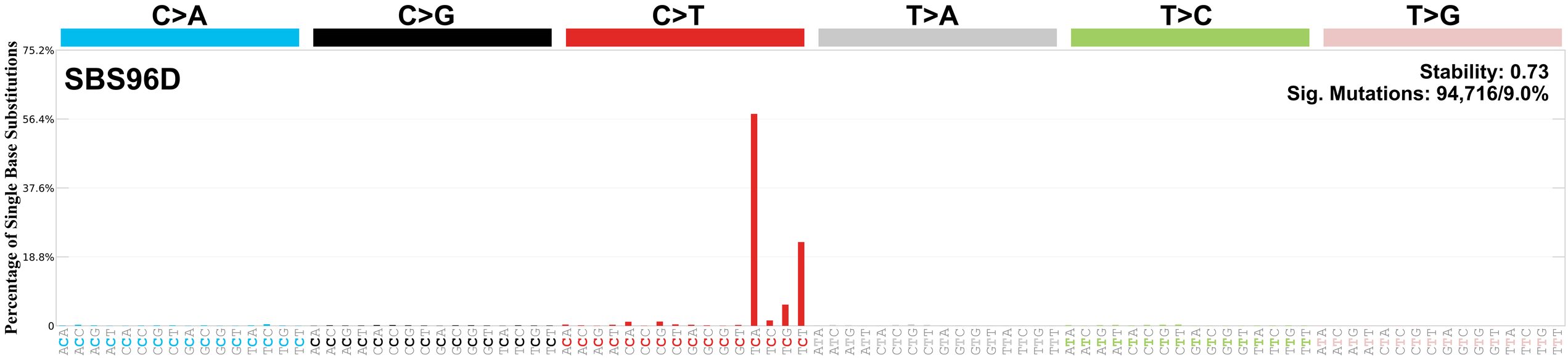
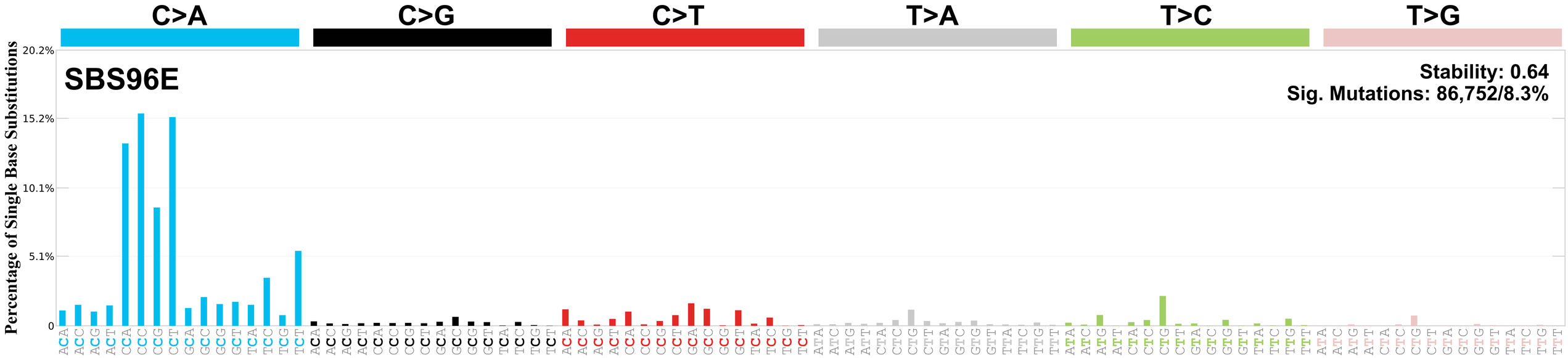

C>A
C>G
C>T
T>A
T>C
T>G
SBS96D
Stability: 0.73
Sig. Mutations: 94,716/9.0%
Percentage of Single Base Substitutions
75.2%
56.4%
37.6%
18.8%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96E
Stability: 0.64
Sig. Mutations: 86,752/8.3%
Percentage of Single Base Substitutions
20.2%
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
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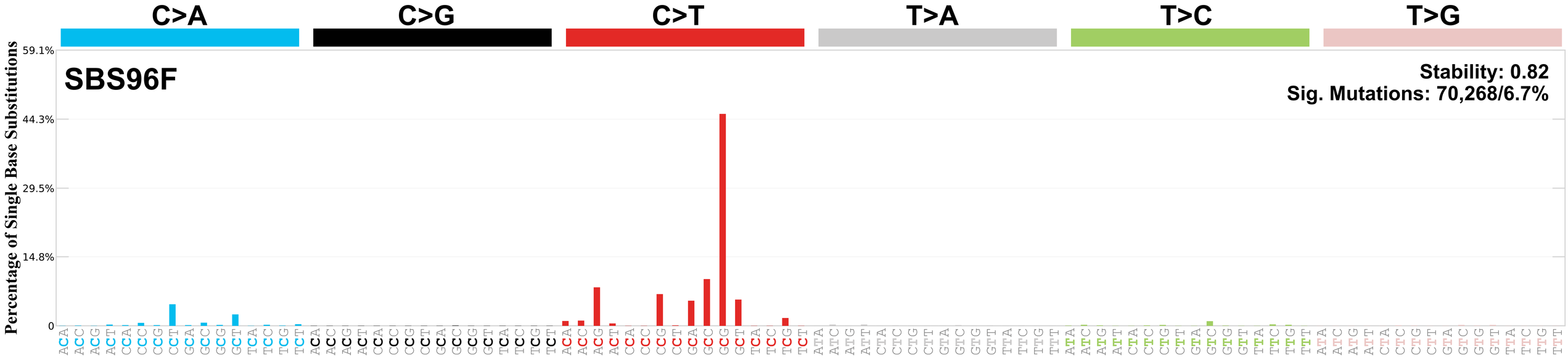
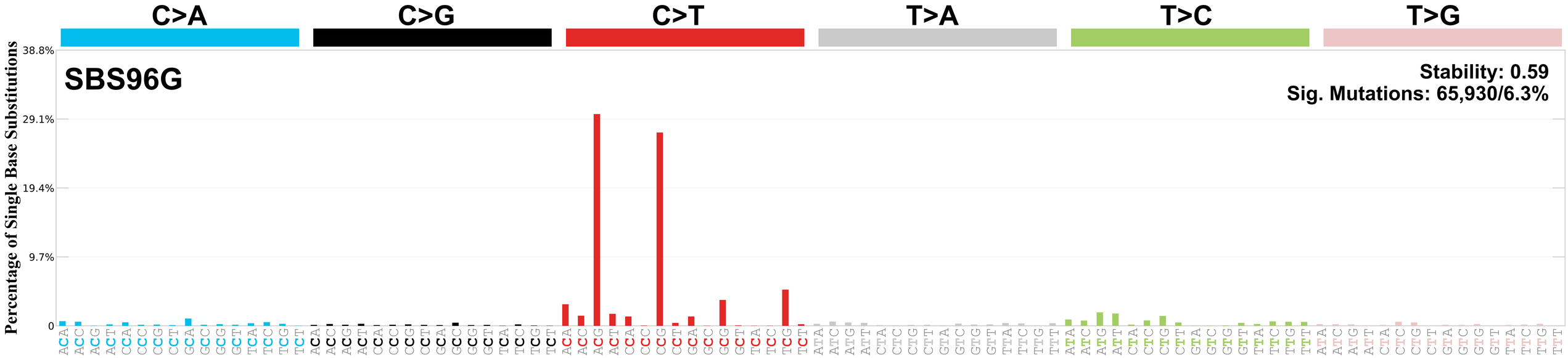
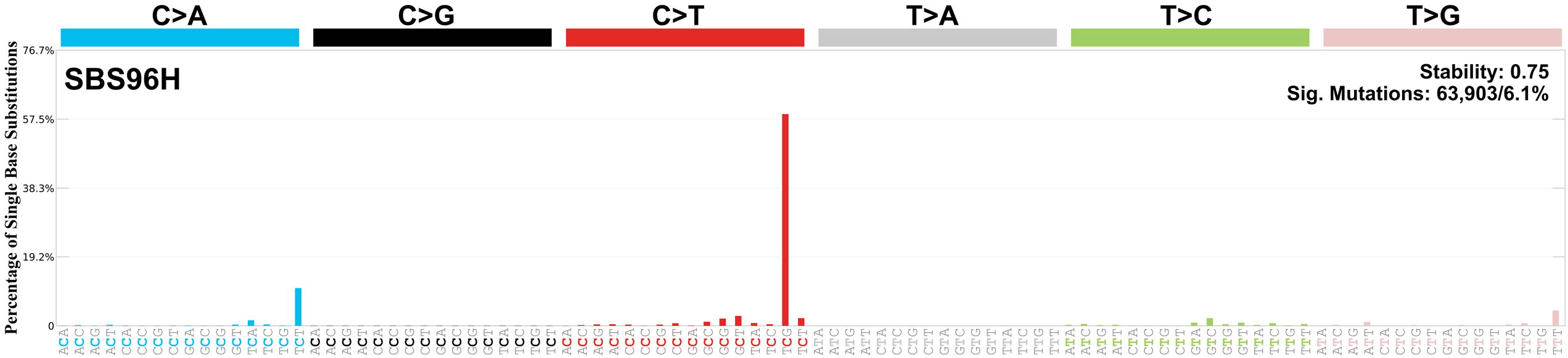
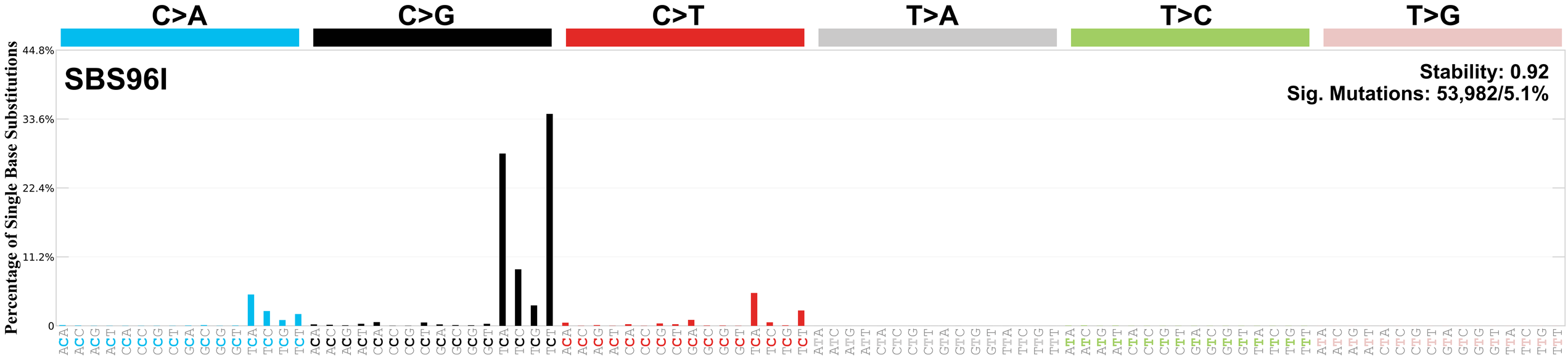
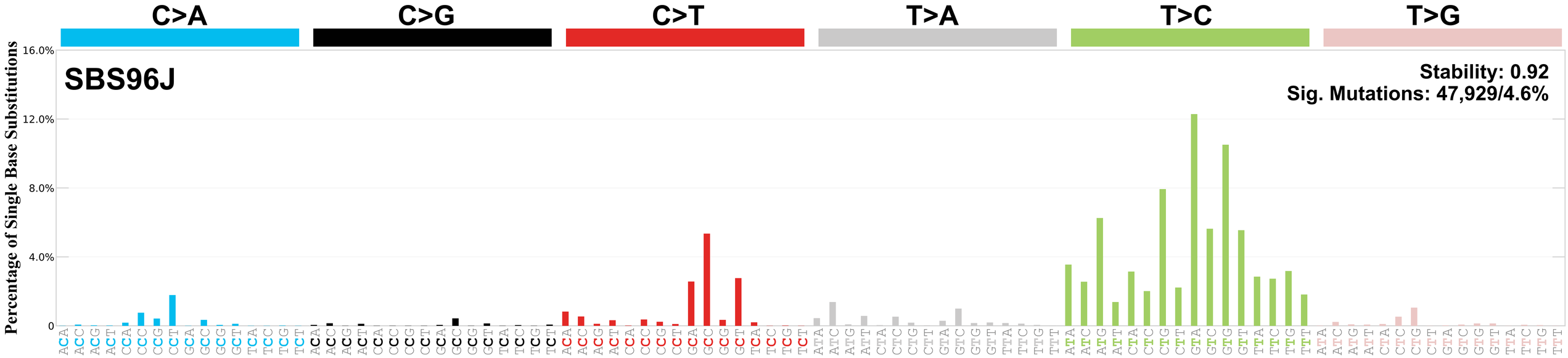
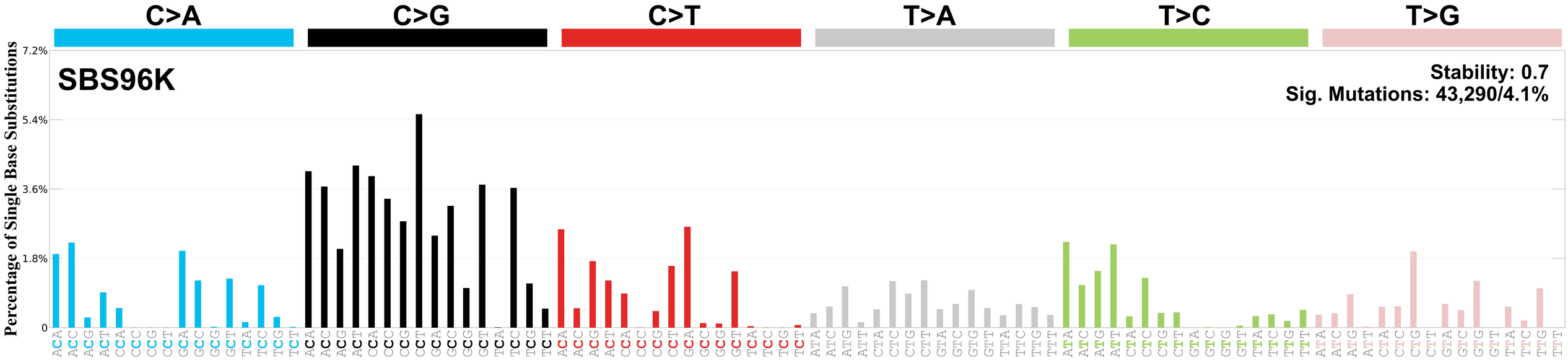

C>A
C>G
C>T
T>A
T>C
T>G
SBS96F
Stability: 0.82
Sig. Mutations: 70,268/6.7%
Percentage of Single Base Substitutions
59.1%
44.3%
29.5%
14.8%
0
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GCT TCA TCC TCG TCT
ACA ACC ACG ACT CCA CCC CCG CCT 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
SBS96G
Stability: 0.59
Sig. Mutations: 65,930/6.3%
Percentage of Single Base Substitutions
38.8%
29.1%
19.4%
9.7%
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
SBS96H
Stability: 0.75
Sig. Mutations: 63,903/6.1%
Percentage of Single Base Substitutions
76.7%
57.5%
38.3%
19.2%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96I
Stability: 0.92
Sig. Mutations: 53,982/5.1%
Percentage of Single Base Substitutions
44.8%
33.6%
22.4%
11.2%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96J
Stability: 0.92
Sig. Mutations: 47,929/4.6%
Percentage of Single Base Substitutions
16.0%
12.0%
8.0%
4.0%
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
SBS96K
Stability: 0.7
Sig. Mutations: 43,290/4.1%
Percentage of Single Base Substitutions
7.2%
5.4%
3.6%
1.8%
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
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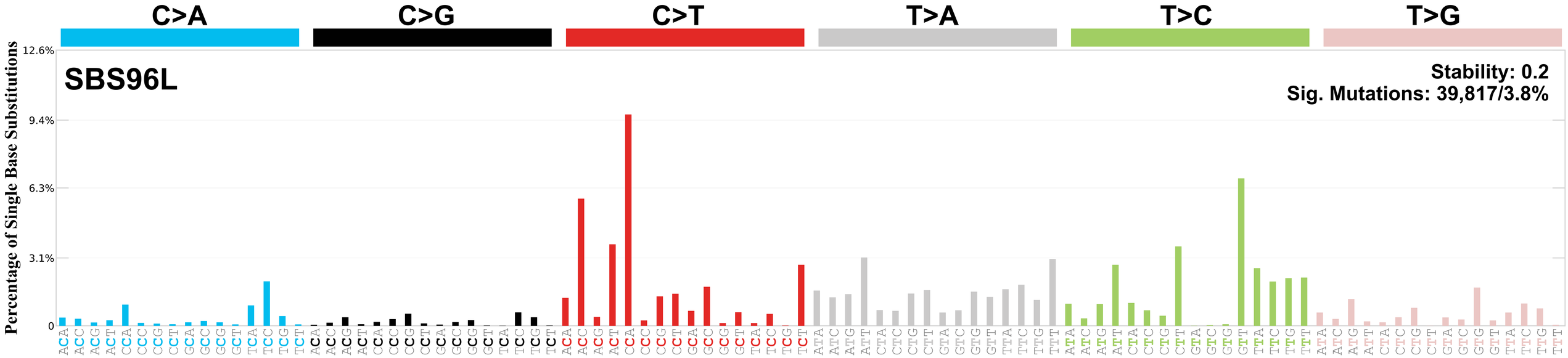
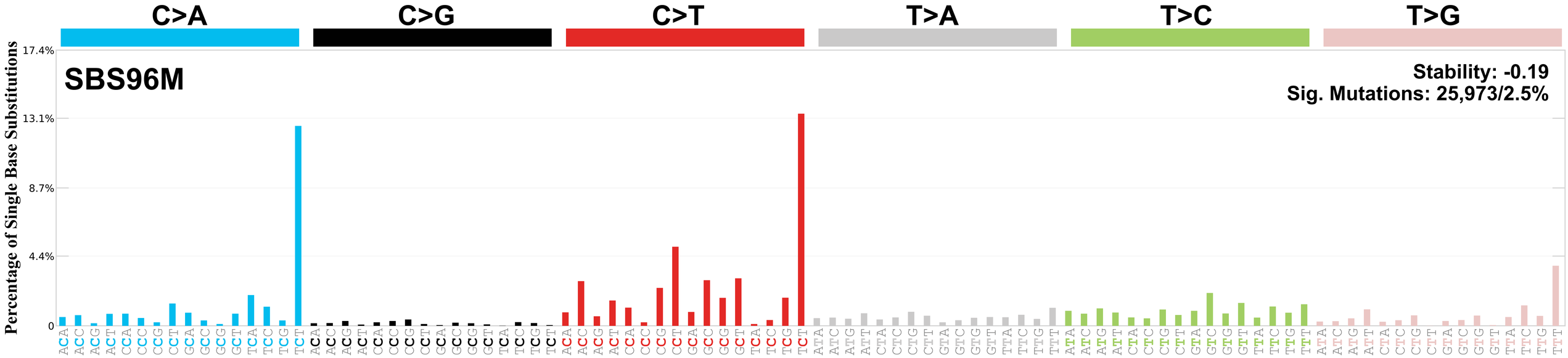

C>A
C>G
C>T
T>A
T>C
T>G
SBS96L
Stability: 0.2
Sig. Mutations: 39,817/3.8%
Percentage of Single Base Substitutions
12.6%
9.4%
6.3%
3.1%
0


C>A
C>G
C>T
T>A
T>C
T>G
SBS96M
Stability: -0.19
Sig. Mutations: 25,973/2.5%
Percentage of Single Base Substitutions
17.4%
13.1%
8.7%
4.4%
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
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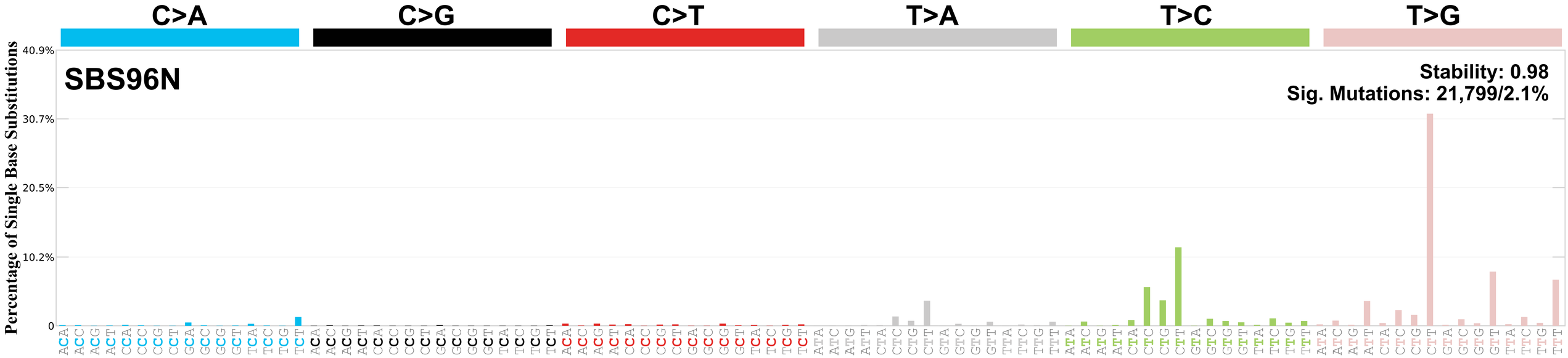
C>A
C>G
C>T
T>A
T>C
T>G
SBS96N
Stability: 0.98
Sig. Mutations: 21,799/2.1%
Percentage of Single Base Substitutions
40.9%
30.7%
20.5%
10.2%
0