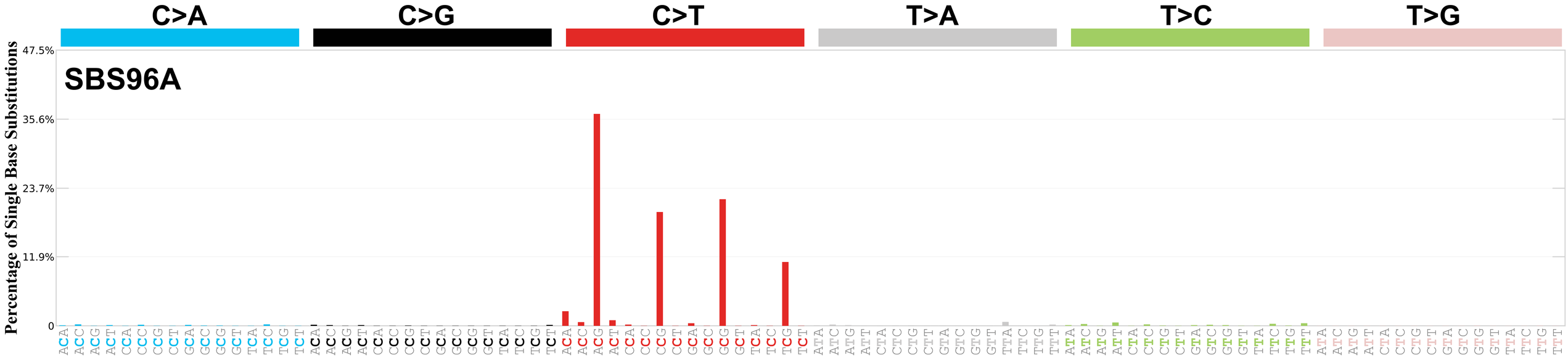
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C>G
C>T
T>A
T>C
T>G
SBS96A
Percentage of Single Base Substitutions
47.5%
35.6%
23.7%
11.9%
0
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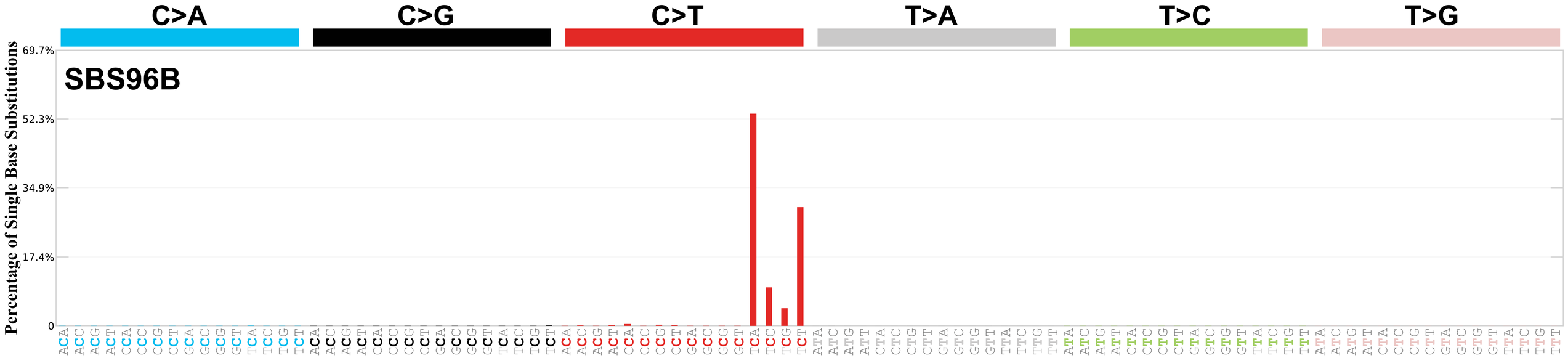
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C>G
C>T
T>A
T>C
T>G
SBS96B
Percentage of Single Base Substitutions
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52.3%
34.9%
17.4%
0
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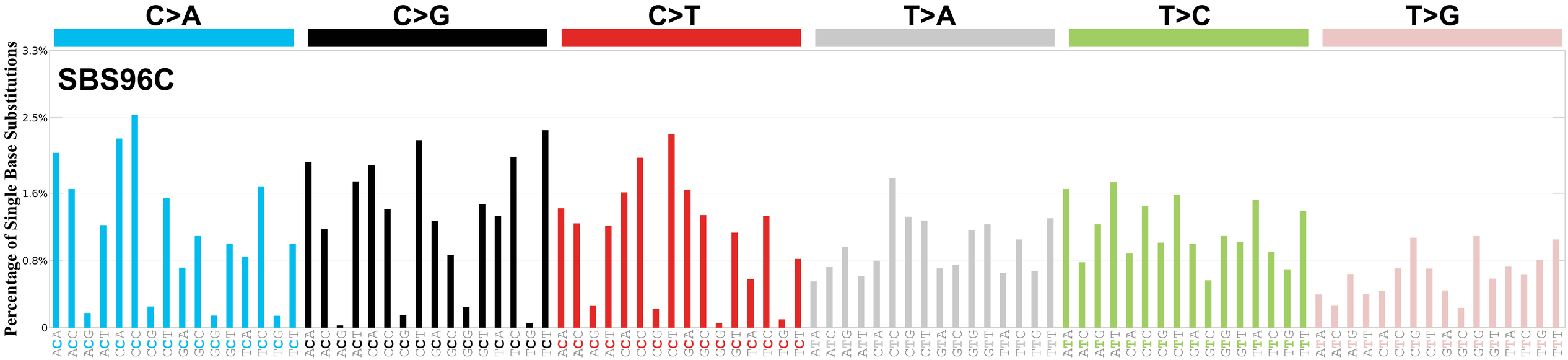
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SBS96C
Percentage of Single Base Substitutions
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1.6%
0.8%
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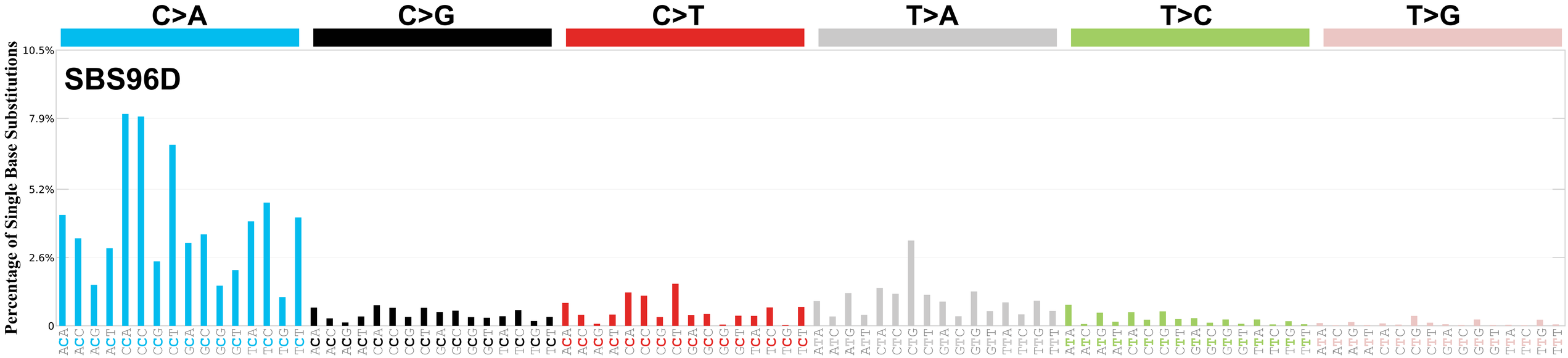
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C>T
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T>C
T>G
SBS96D
Percentage of Single Base Substitutions
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5.2%
2.6%
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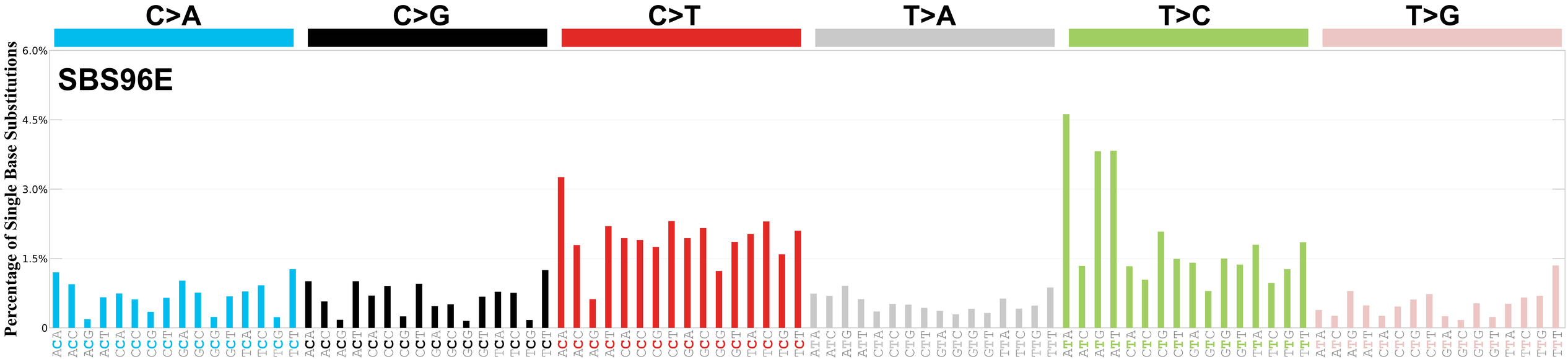
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C>G
C>T
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T>C
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SBS96E
Percentage of Single Base Substitutions
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3.0%
1.5%
0
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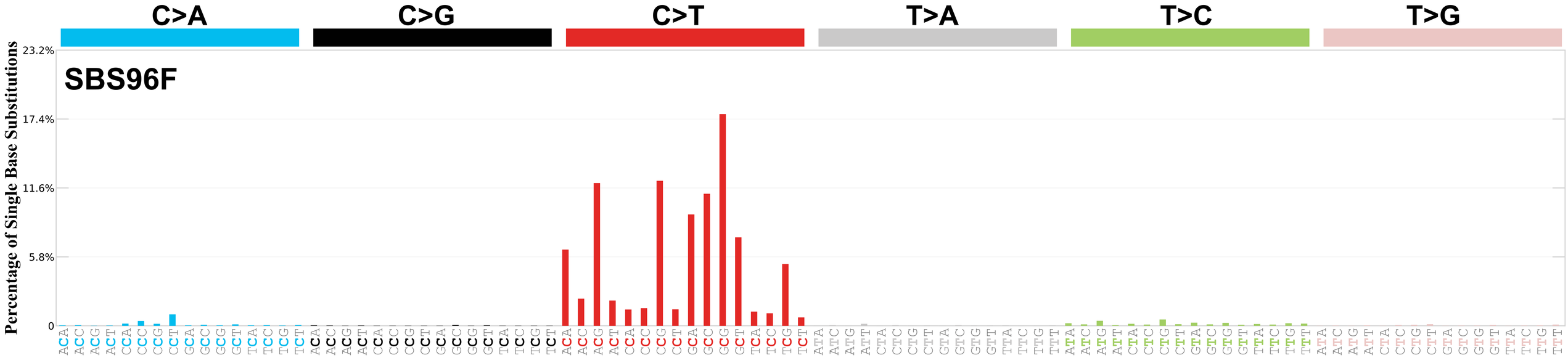
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C>G
C>T
T>A
T>C
T>G
SBS96F
Percentage of Single Base Substitutions
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11.6%
5.8%
0
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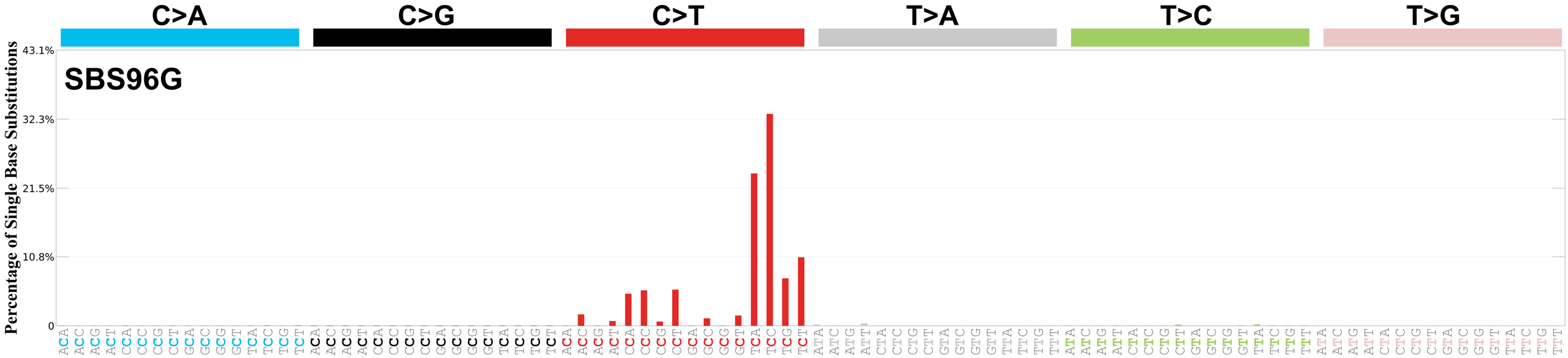
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C>G
C>T
T>A
T>C
T>G
SBS96G
Percentage of Single Base Substitutions
43.1%
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21.5%
10.8%
0
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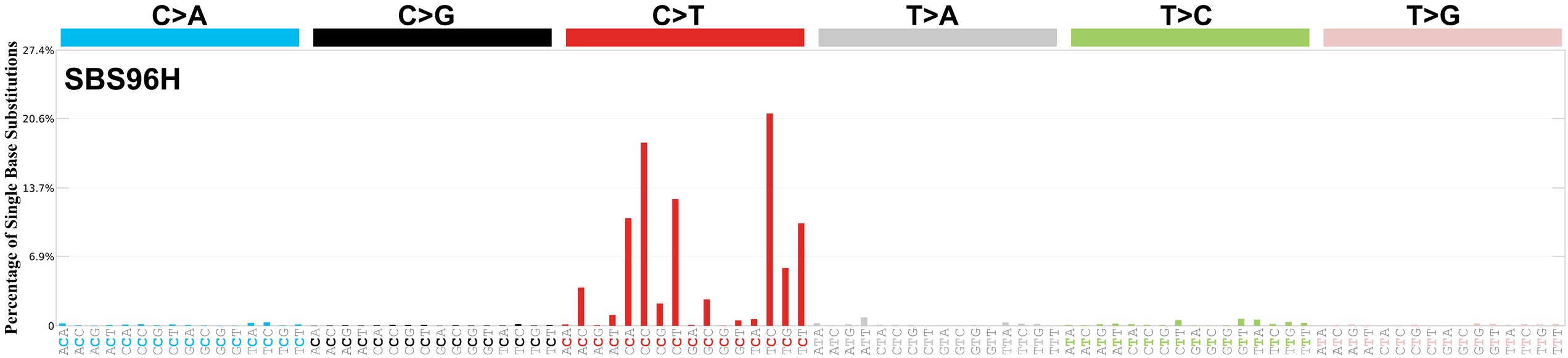
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T>C
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SBS96H
Percentage of Single Base Substitutions
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13.7%
6.9%
0
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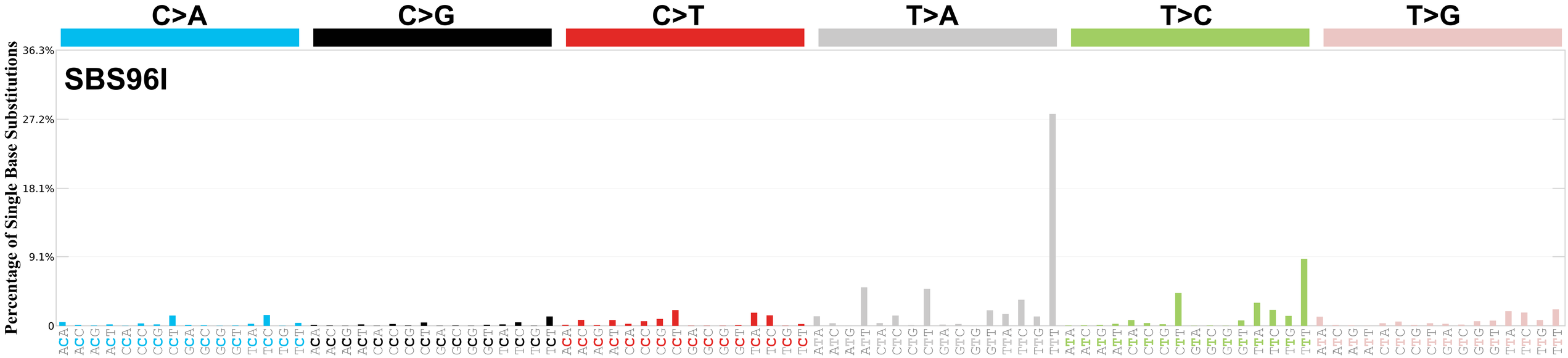
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T>A
T>C
T>G
SBS96I
Percentage of Single Base Substitutions
36.3%
27.2%
18.1%
9.1%
0
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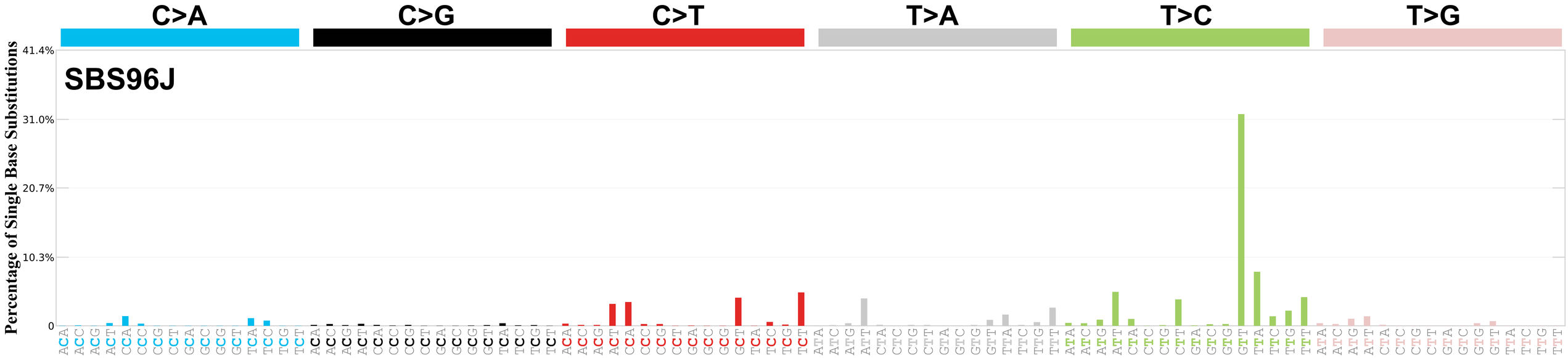
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SBS96J
Percentage of Single Base Substitutions
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20.7%
10.3%
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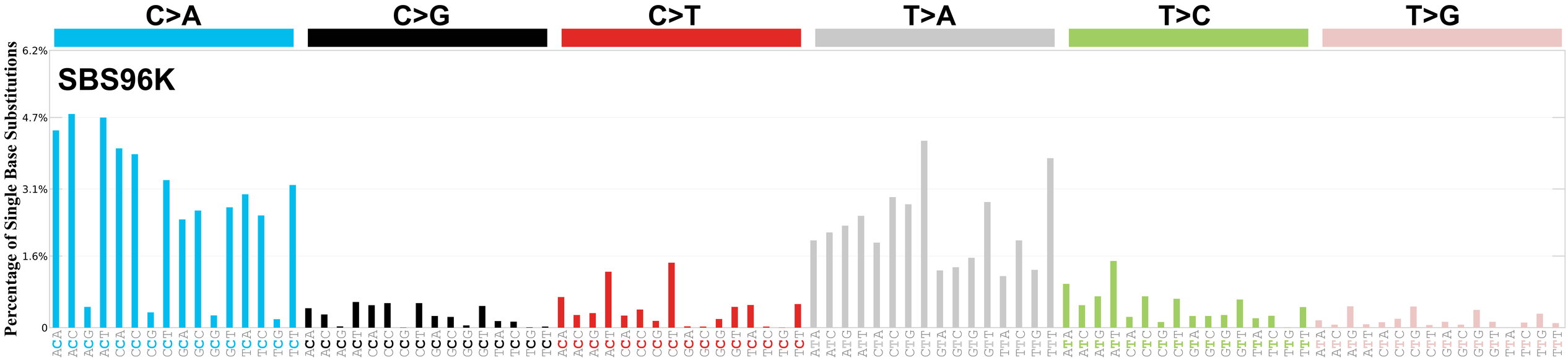
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SBS96K
Percentage of Single Base Substitutions
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3.1%
1.6%
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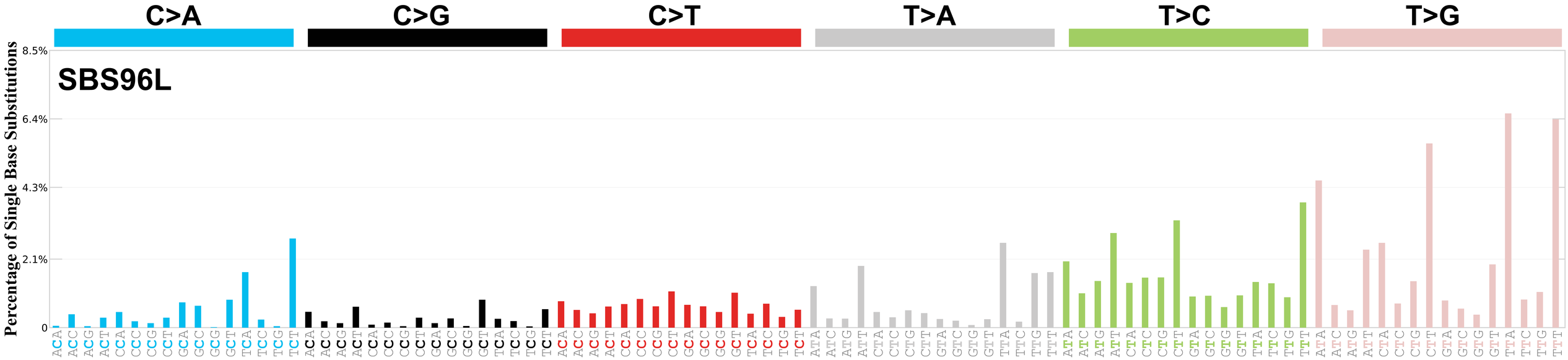
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Percentage of Single Base Substitutions
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4.3%
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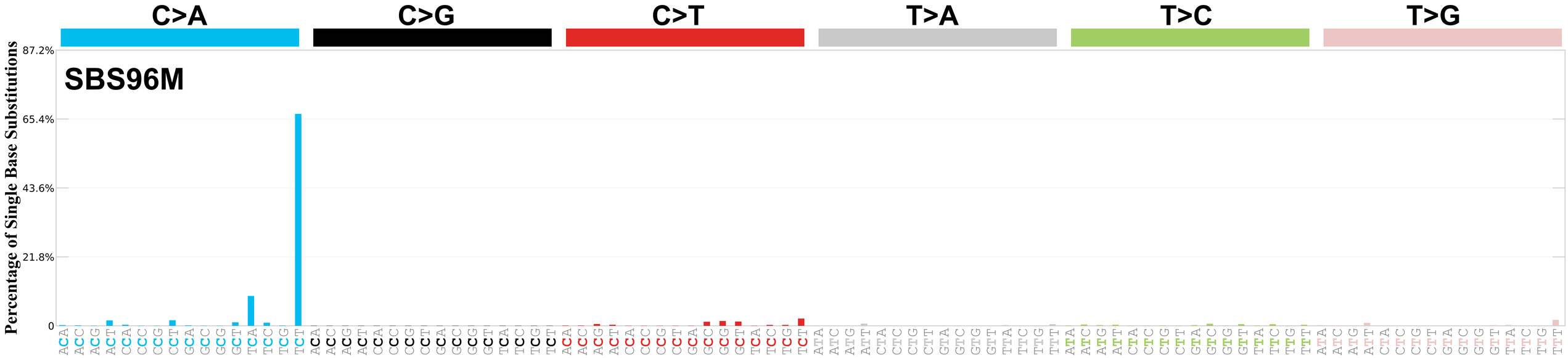
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T>C
T>G
SBS96M
Percentage of Single Base Substitutions
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43.6%
21.8%
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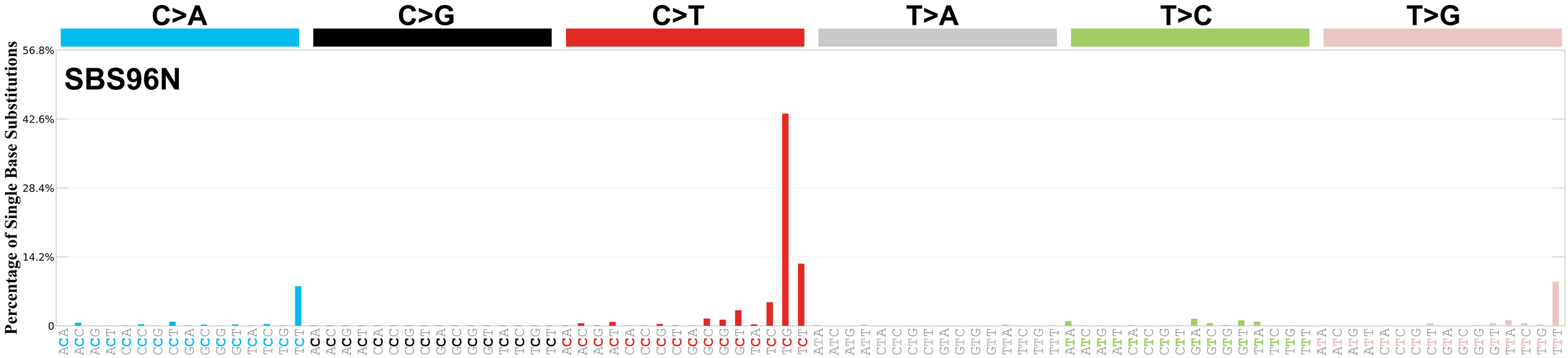
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Percentage of Single Base Substitutions
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28.4%
14.2%
0
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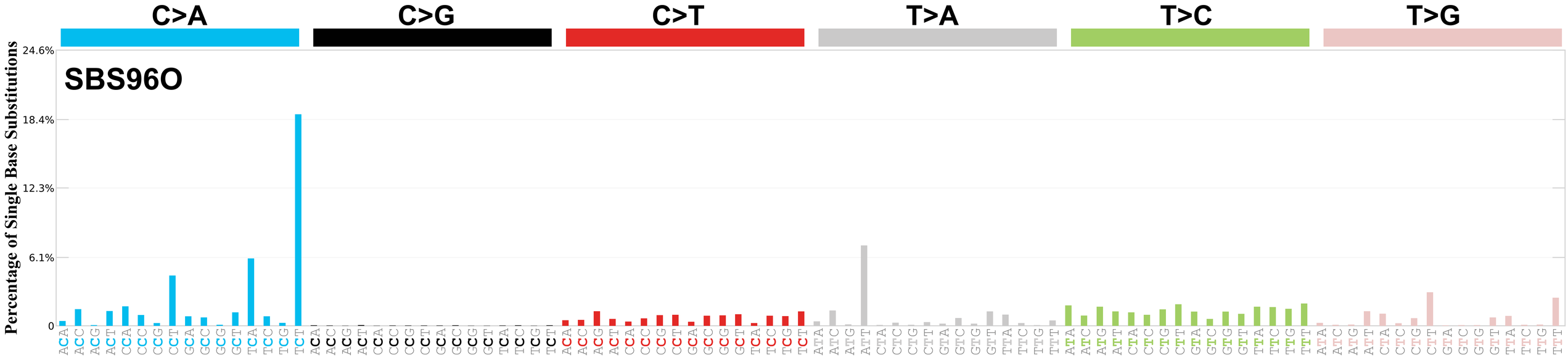
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SBS96O
Percentage of Single Base Substitutions
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18.4%
12.3%
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0
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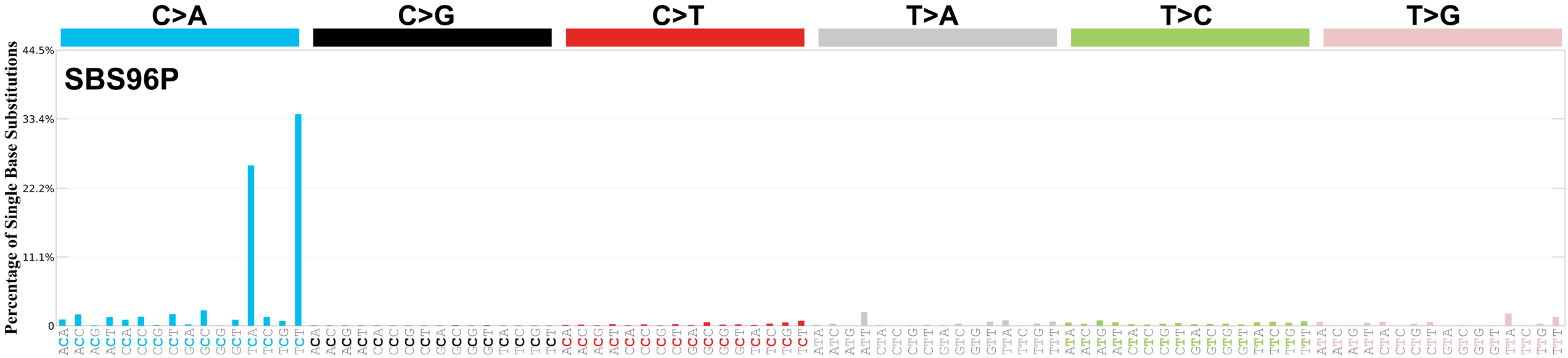
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SBS96P
Percentage of Single Base Substitutions
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22.2%
11.1%
0
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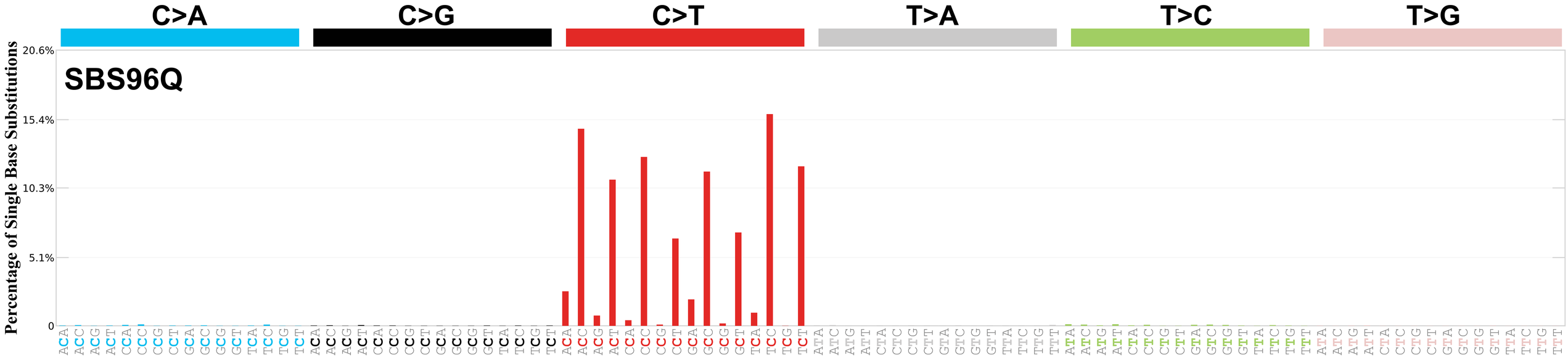
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Percentage of Single Base Substitutions
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10.3%
5.1%
0
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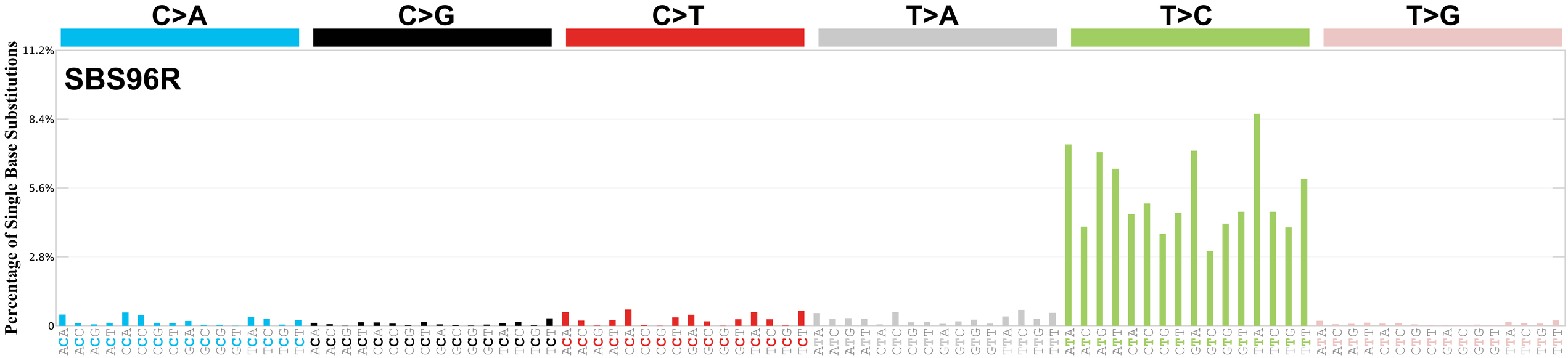
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SBS96R
Percentage of Single Base Substitutions
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5.6%
2.8%
0
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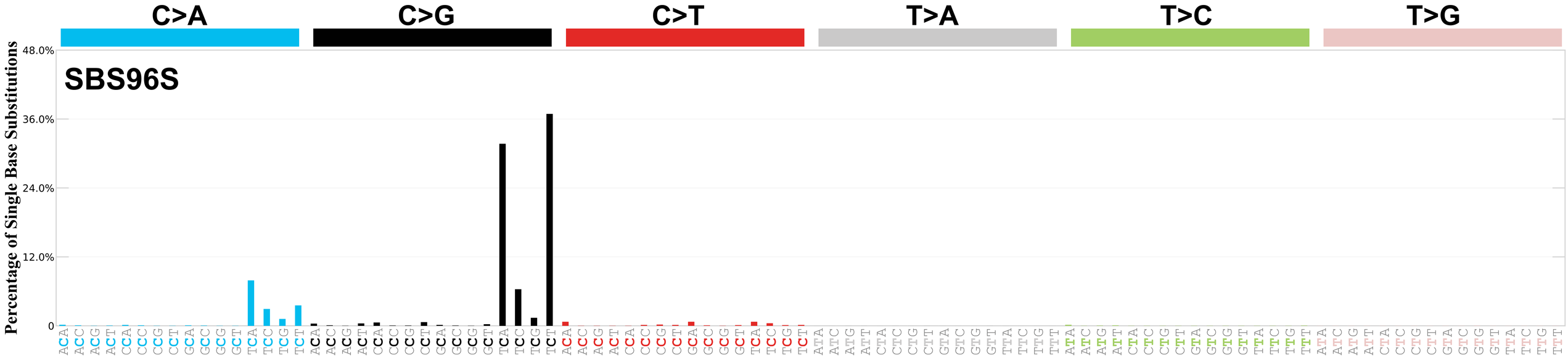
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T>G
SBS96S
Percentage of Single Base Substitutions
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24.0%
12.0%
0
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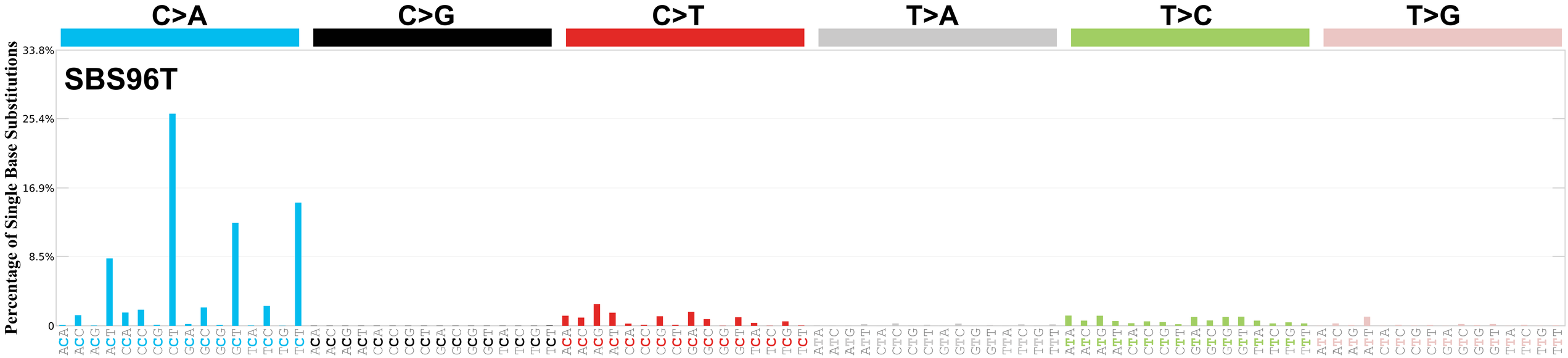
C>A
C>G
C>T
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T>G
SBS96T
Percentage of Single Base Substitutions
33.8%
25.4%
16.9%
8.5%
0
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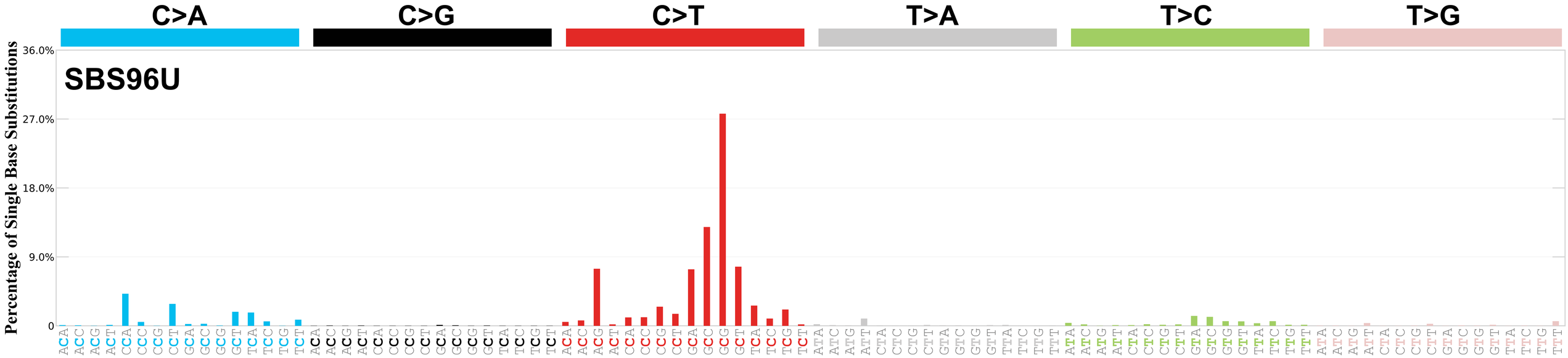
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SBS96U
Percentage of Single Base Substitutions
36.0%
27.0%
18.0%
9.0%
0
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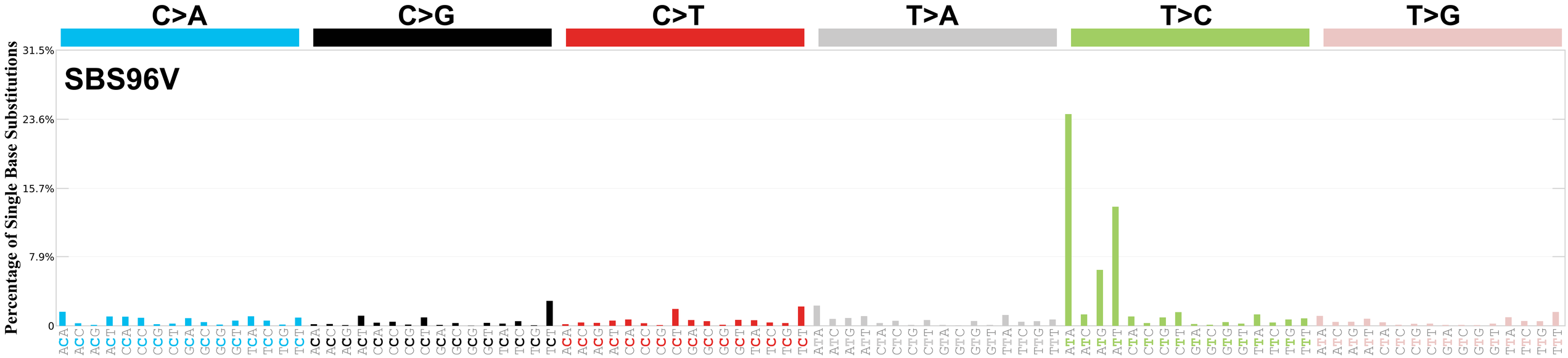
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SBS96V
Percentage of Single Base Substitutions
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23.6%
15.7%
7.9%
0
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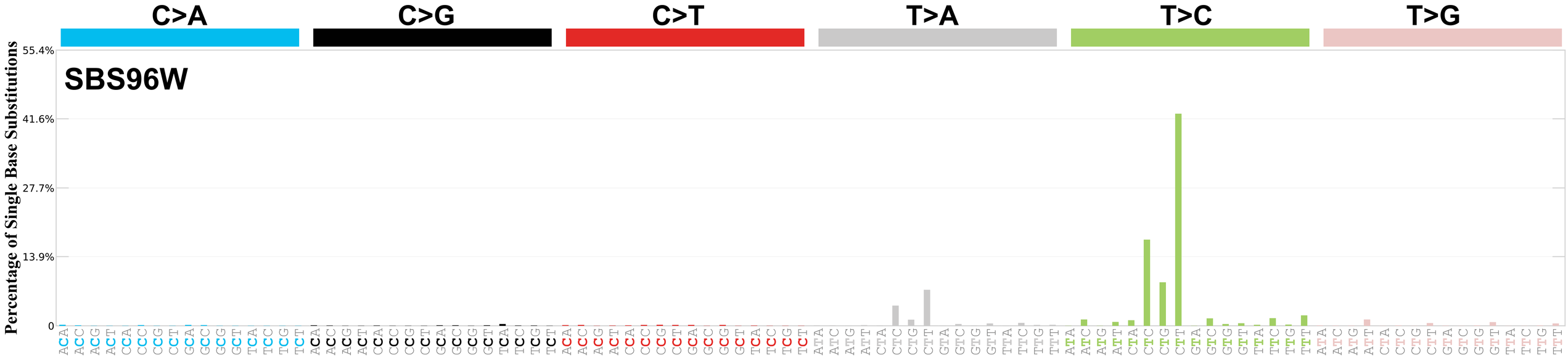
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C>G
C>T
T>A
T>C
T>G
SBS96W
Percentage of Single Base Substitutions
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41.6%
27.7%
13.9%
0
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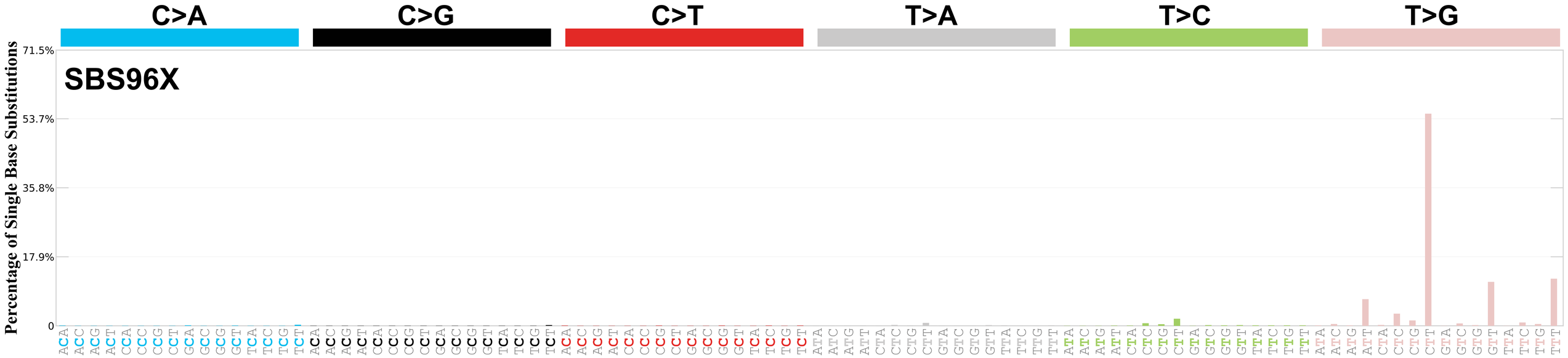
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C>T
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SBS96X
Percentage of Single Base Substitutions
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35.8%
17.9%
0
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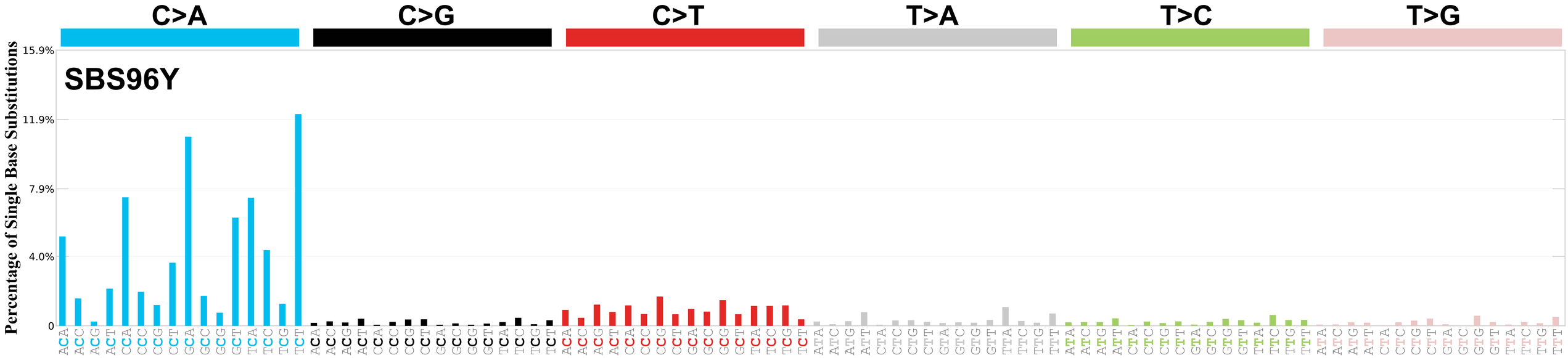
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SBS96Y
Percentage of Single Base Substitutions
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11.9%
7.9%
4.0%
0
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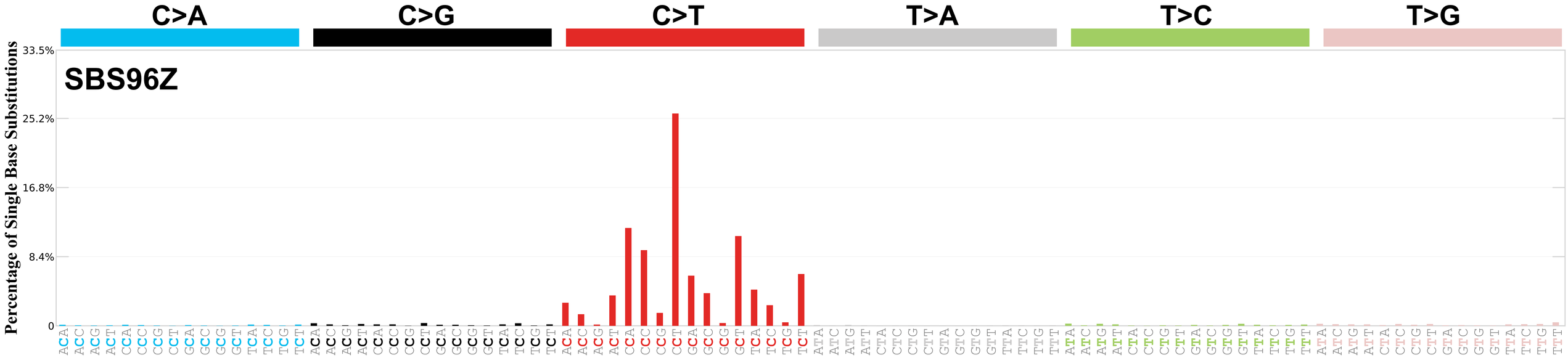
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T>C
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SBS96Z
Percentage of Single Base Substitutions
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16.8%
8.4%
0
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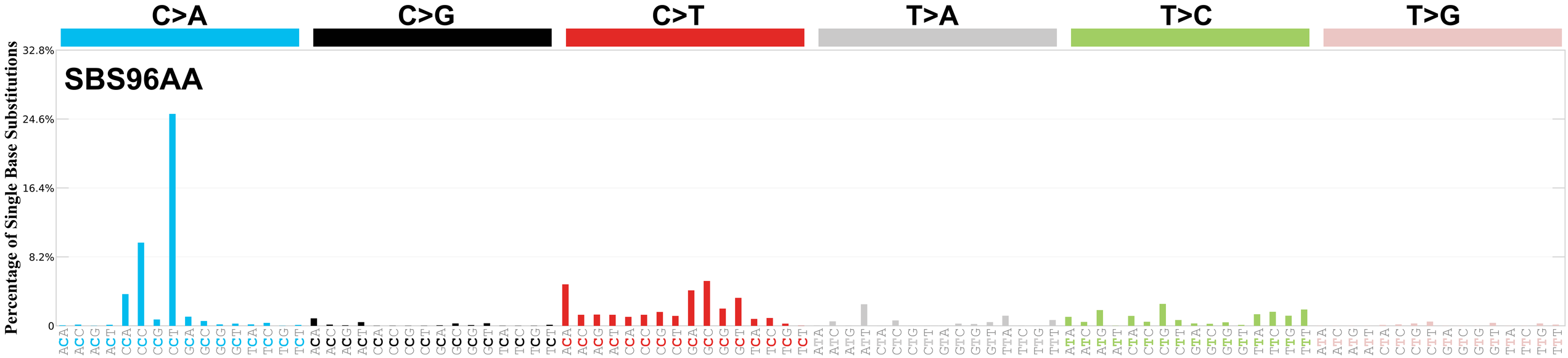
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C>G
C>T
T>A
T>C
T>G
SBS96AA
Percentage of Single Base Substitutions
32.8%
24.6%
16.4%
8.2%
0
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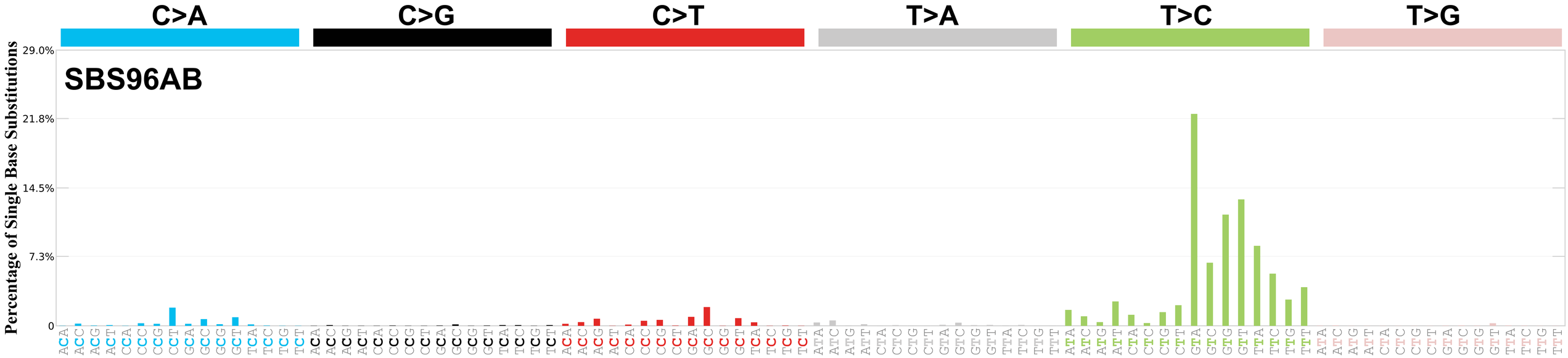
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SBS96AB
Percentage of Single Base Substitutions
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21.8%
14.5%
7.3%
0
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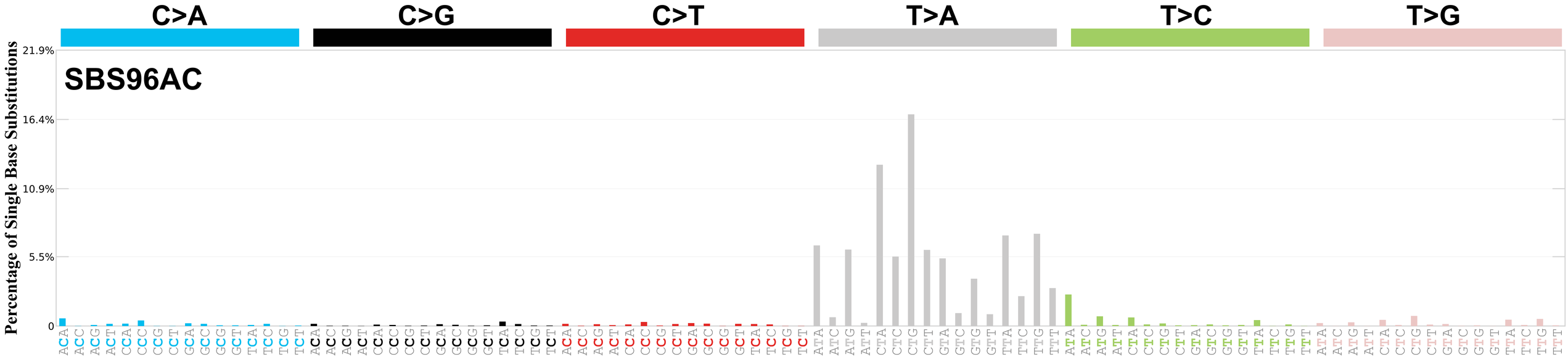
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C>G
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SBS96AC
Percentage of Single Base Substitutions
21.9%
16.4%
10.9%
5.5%
0
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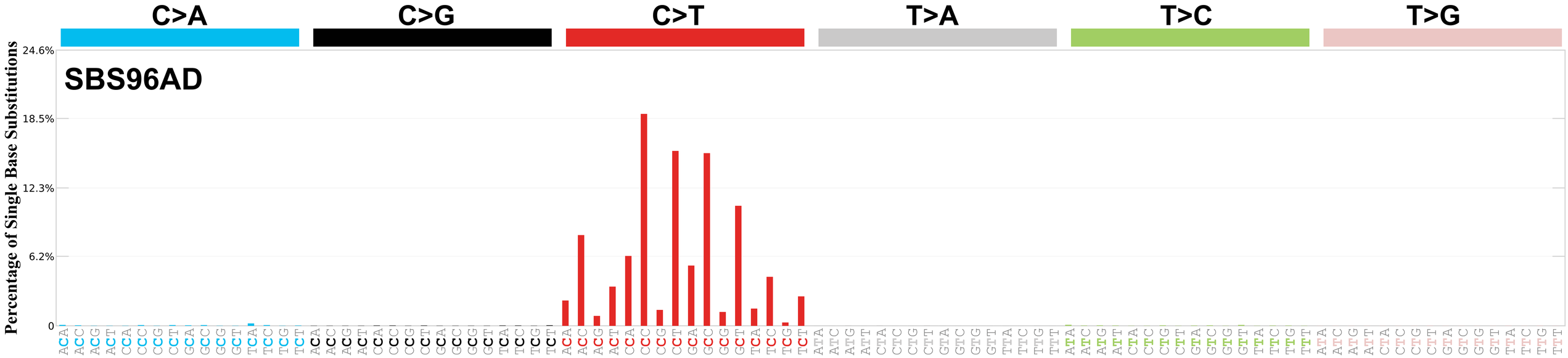
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T>C
T>G
SBS96AD
Percentage of Single Base Substitutions
24.6%
18.5%
12.3%
6.2%
0
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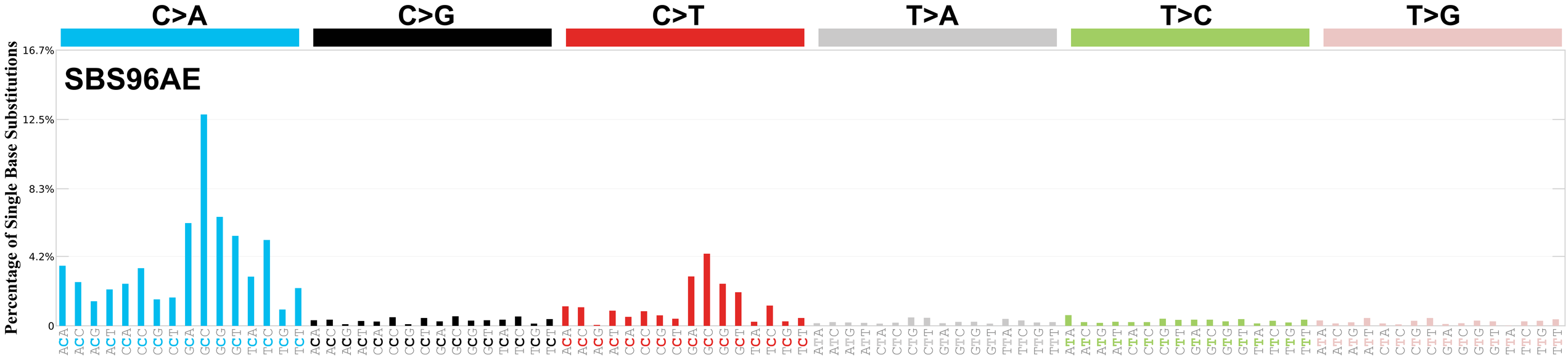
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Percentage of Single Base Substitutions
16.7%
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8.3%
4.2%
0
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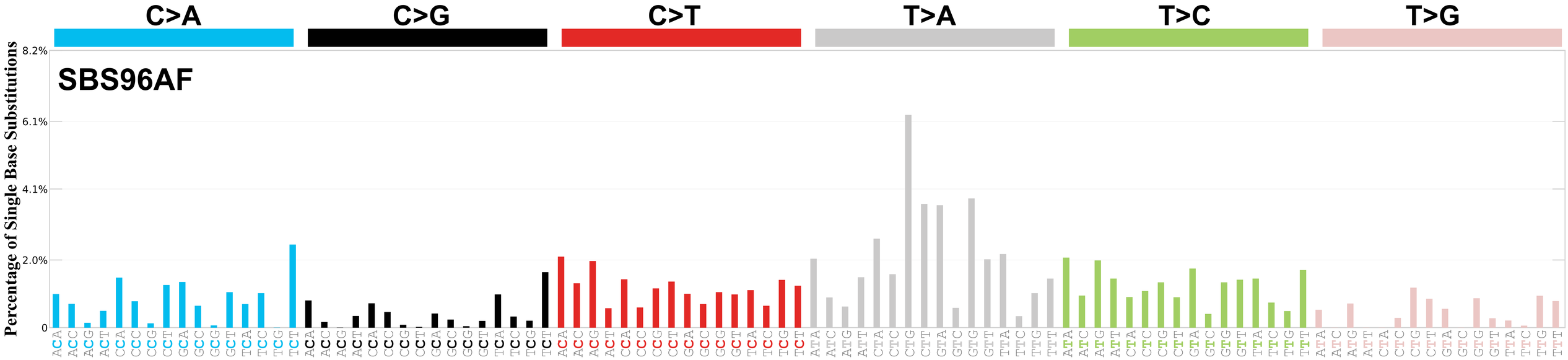
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SBS96AF
Percentage of Single Base Substitutions
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4.1%
2.0%
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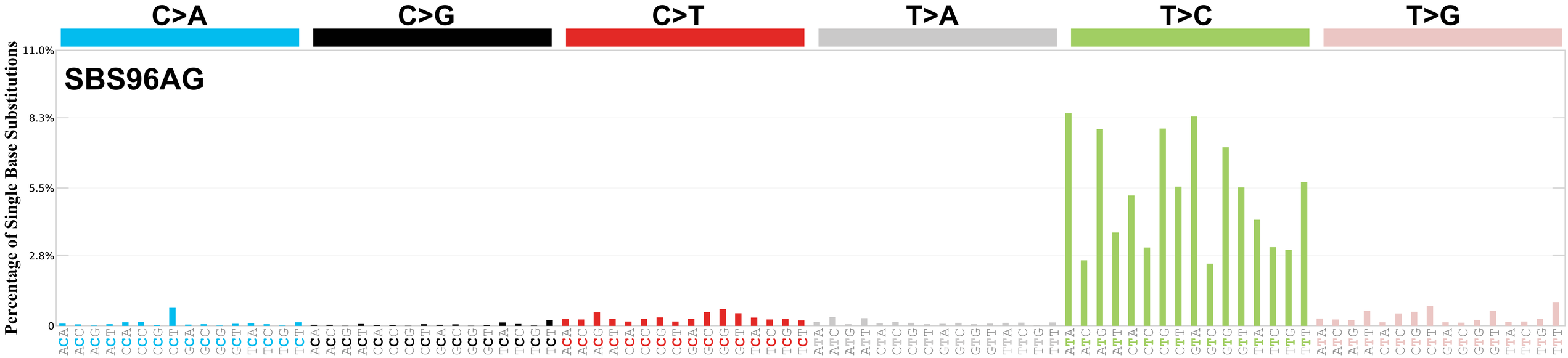
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Percentage of Single Base Substitutions
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5.5%
2.8%
0
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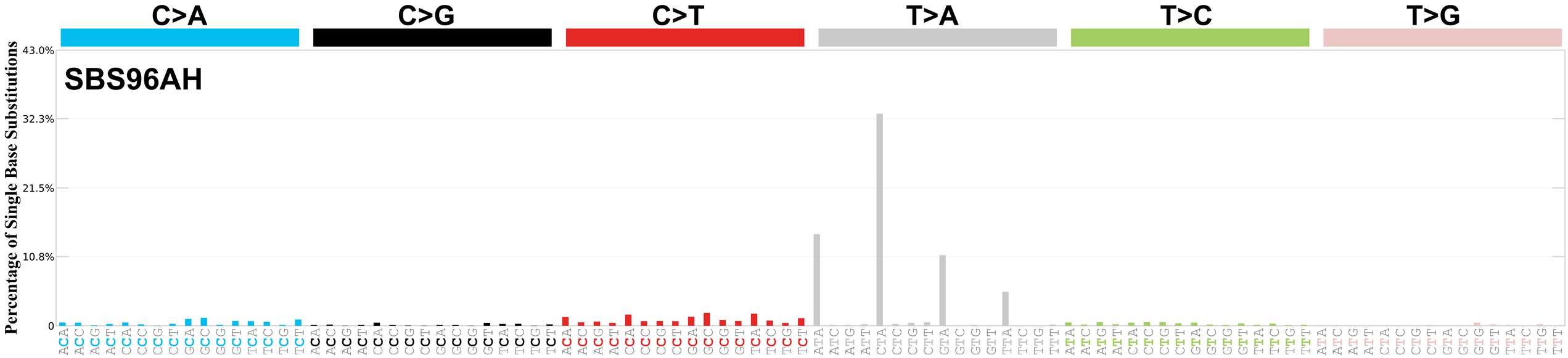
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Percentage of Single Base Substitutions
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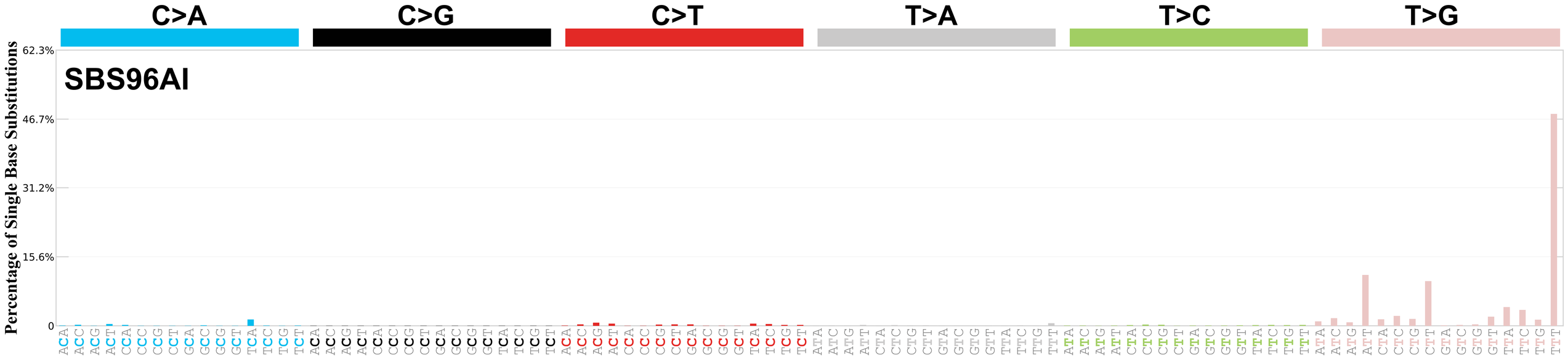
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Percentage of Single Base Substitutions
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31.2%
15.6%
0
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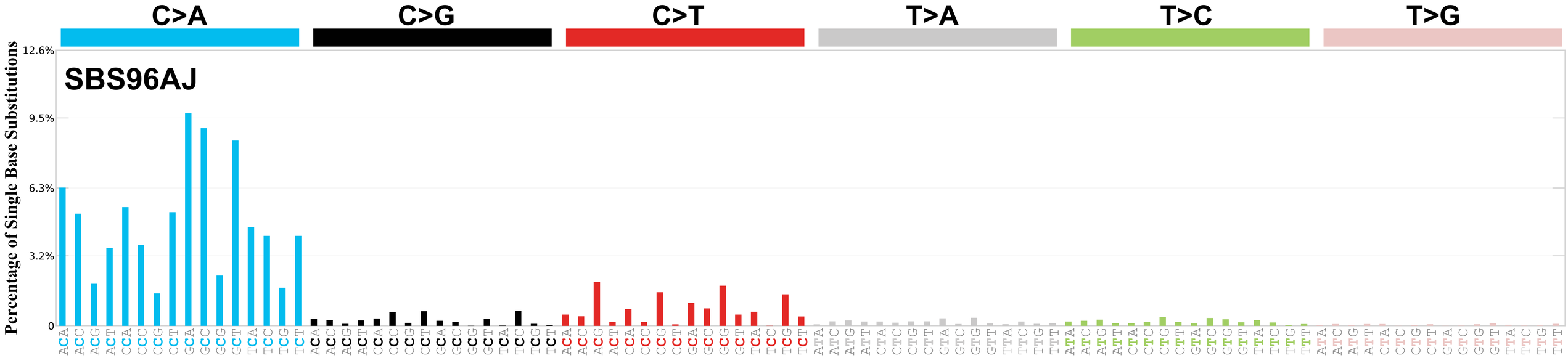
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SBS96AJ
Percentage of Single Base Substitutions
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6.3%
3.2%
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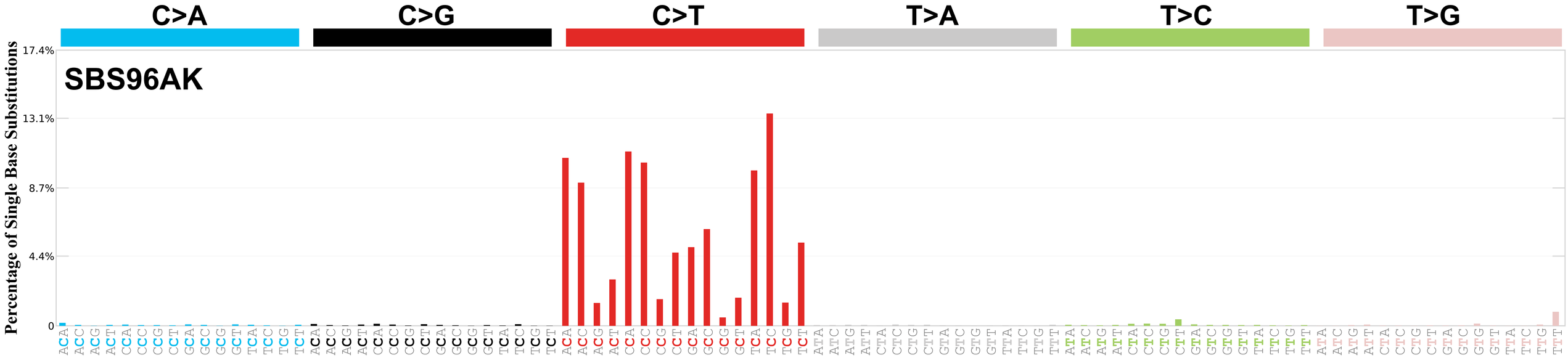
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SBS96AK
Percentage of Single Base Substitutions
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0
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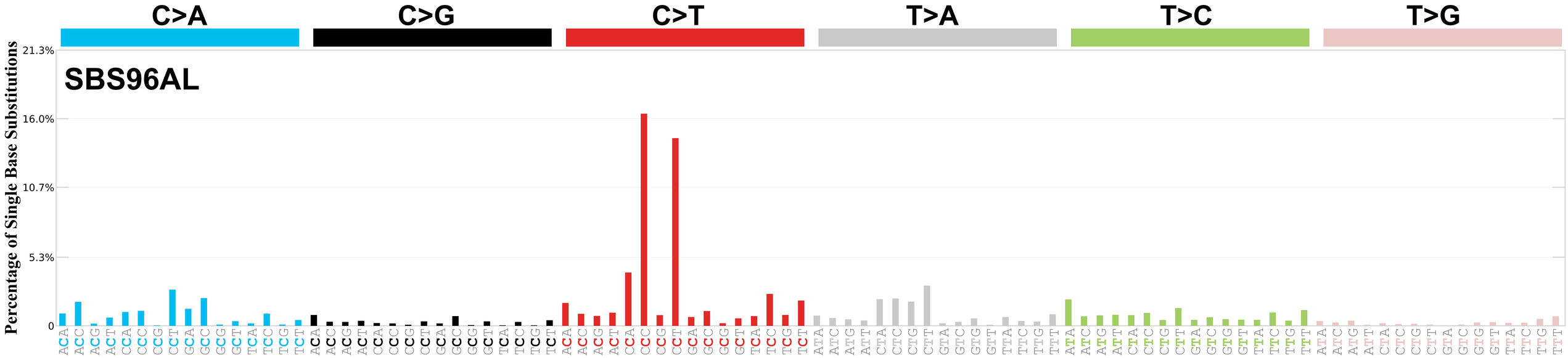
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SBS96AL
Percentage of Single Base Substitutions
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10.7%
5.3%
0
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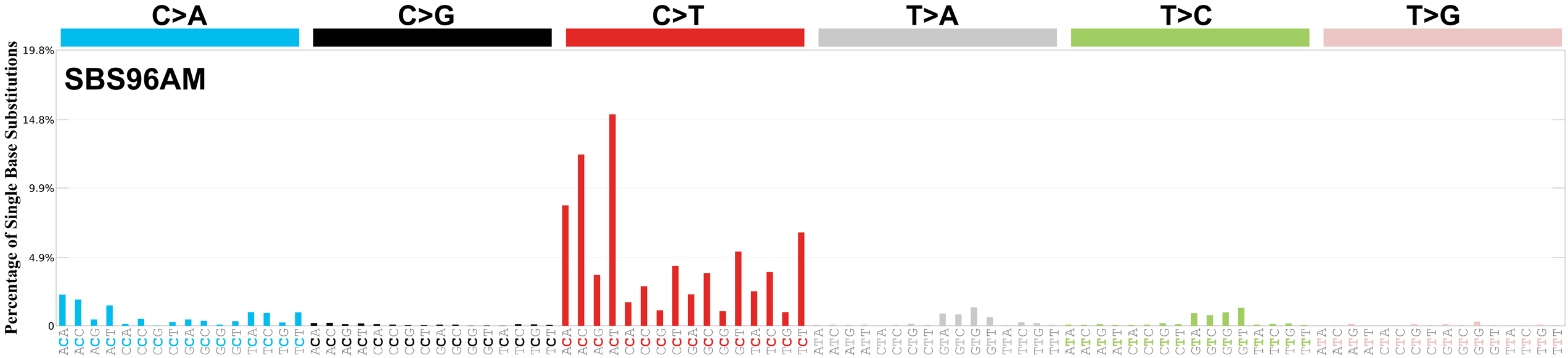
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SBS96AM
Percentage of Single Base Substitutions
19.8%
14.8%
9.9%
4.9%
0
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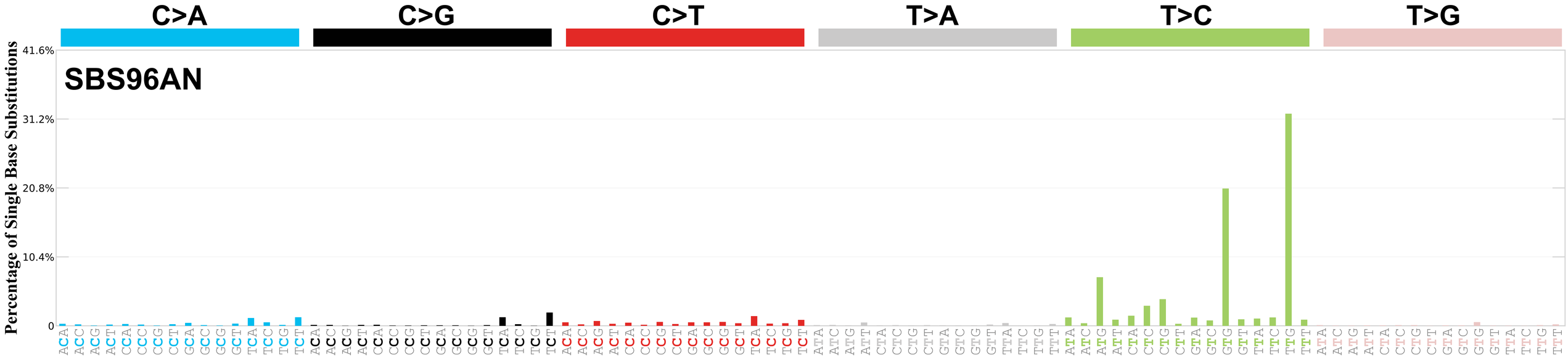
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SBS96AN
Percentage of Single Base Substitutions
41.6%
31.2%
20.8%
10.4%
0
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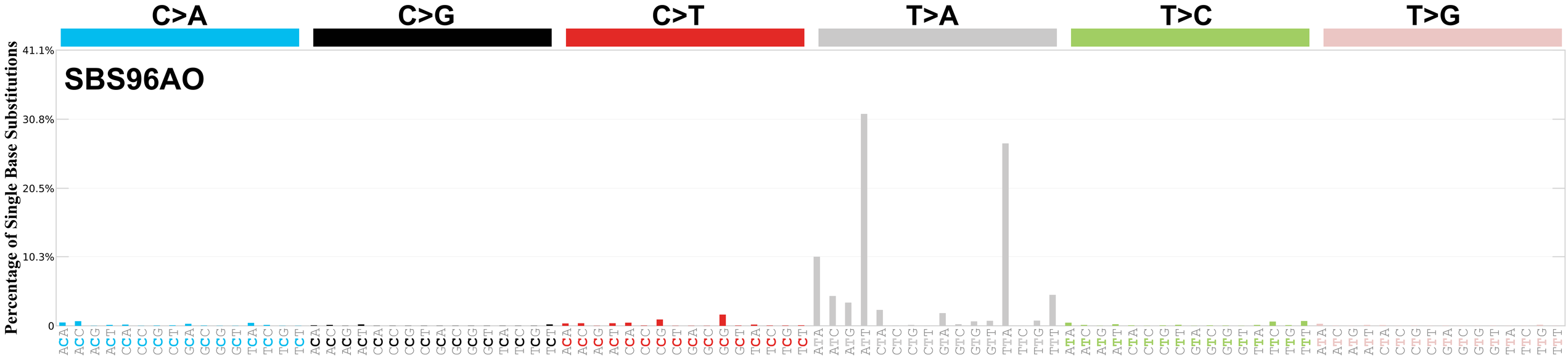
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SBS96AO
Percentage of Single Base Substitutions
41.1%
30.8%
20.5%
10.3%
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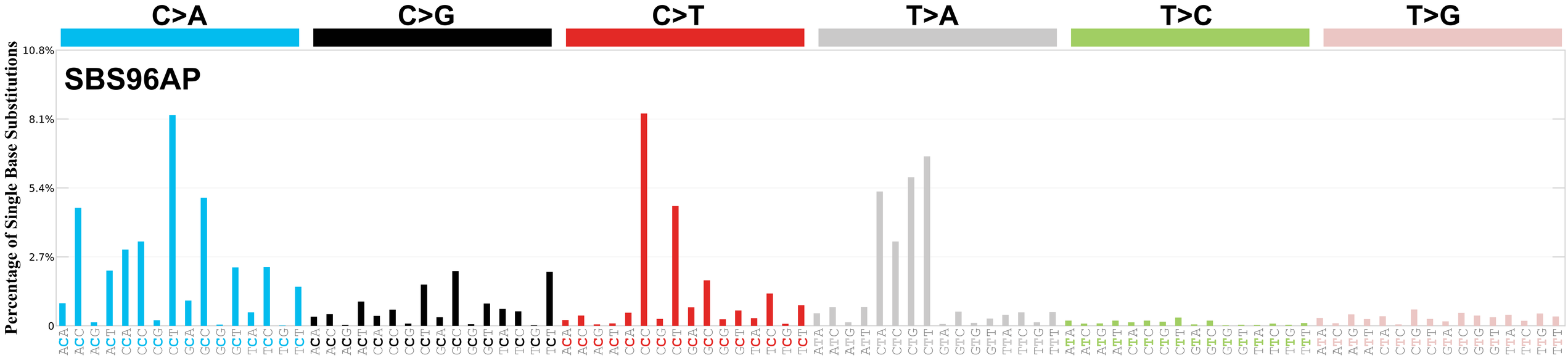
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Percentage of Single Base Substitutions
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5.4%
2.7%
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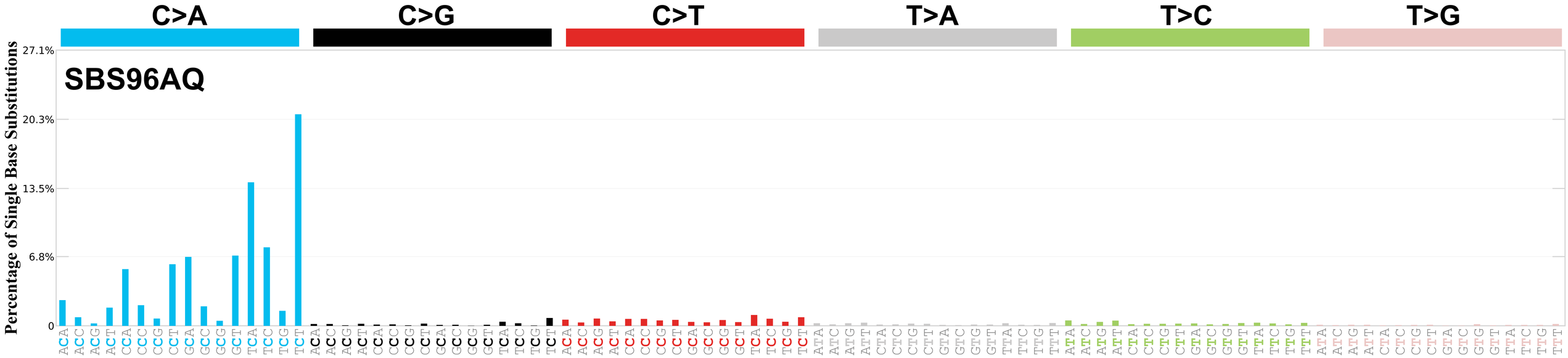
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Percentage of Single Base Substitutions
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13.5%
6.8%
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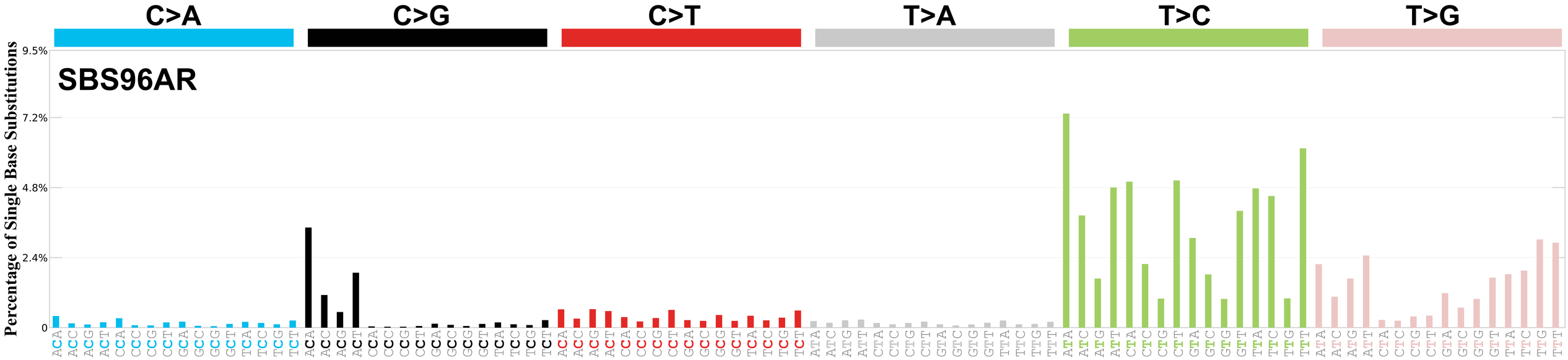
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Percentage of Single Base Substitutions
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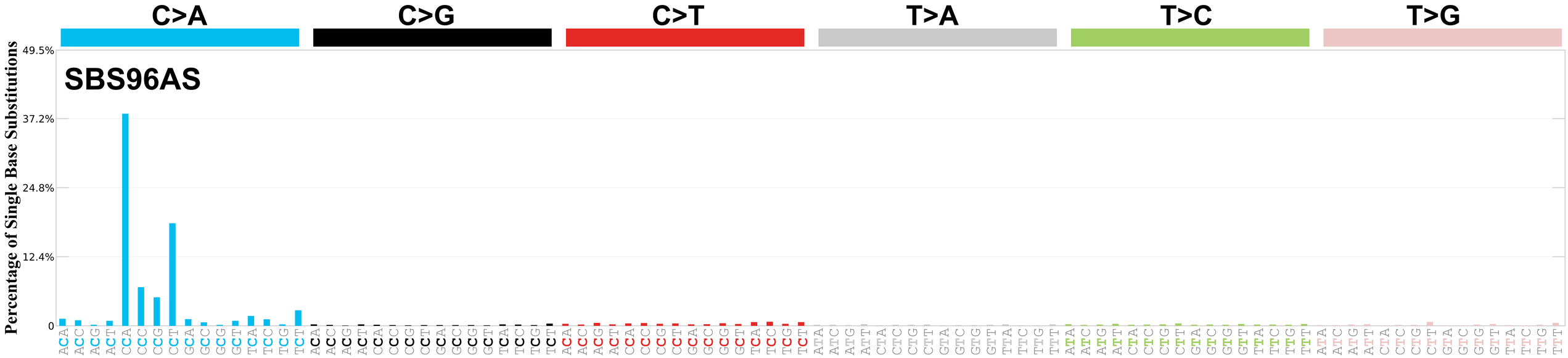
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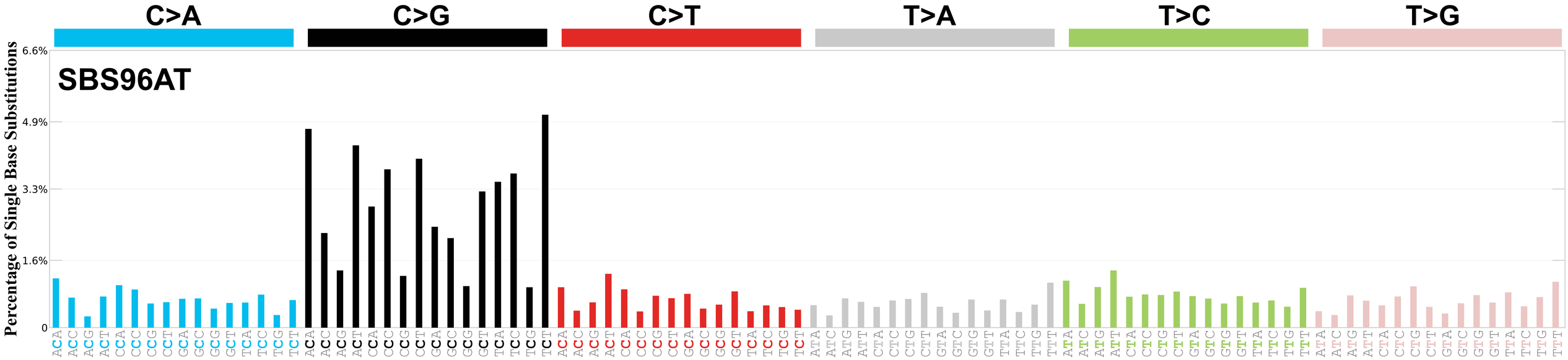
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Percentage of Single Base Substitutions
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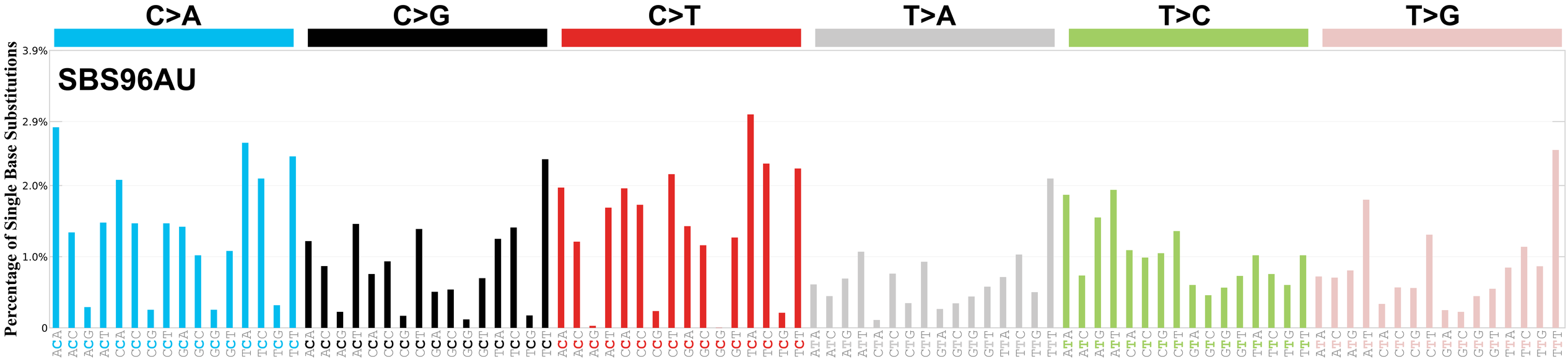
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Percentage of Single Base Substitutions
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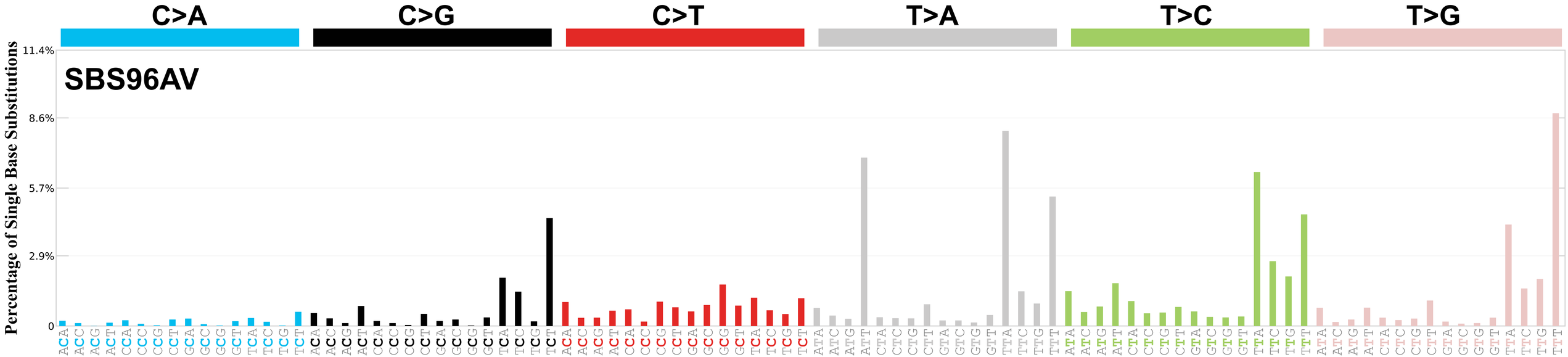
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Percentage of Single Base Substitutions
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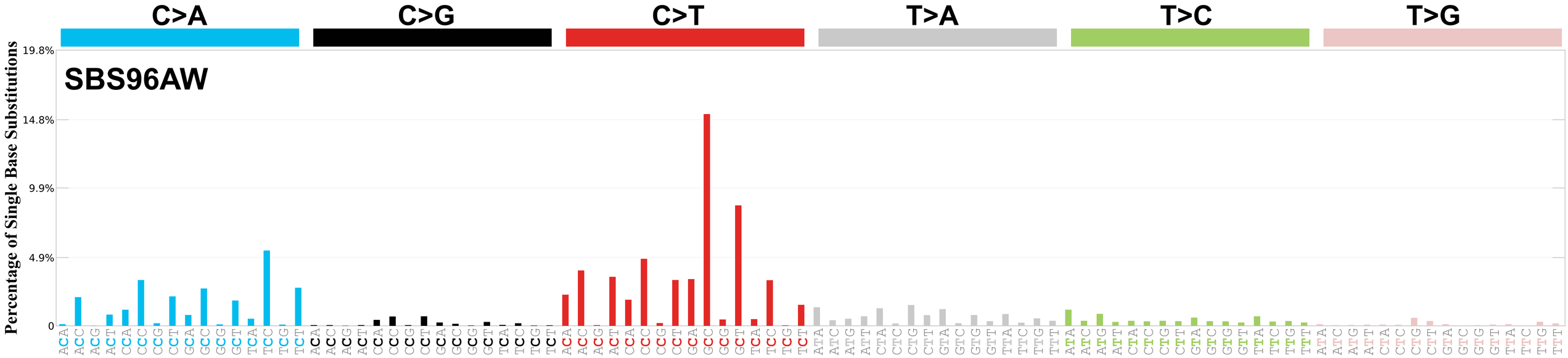
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Percentage of Single Base Substitutions
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9.9%
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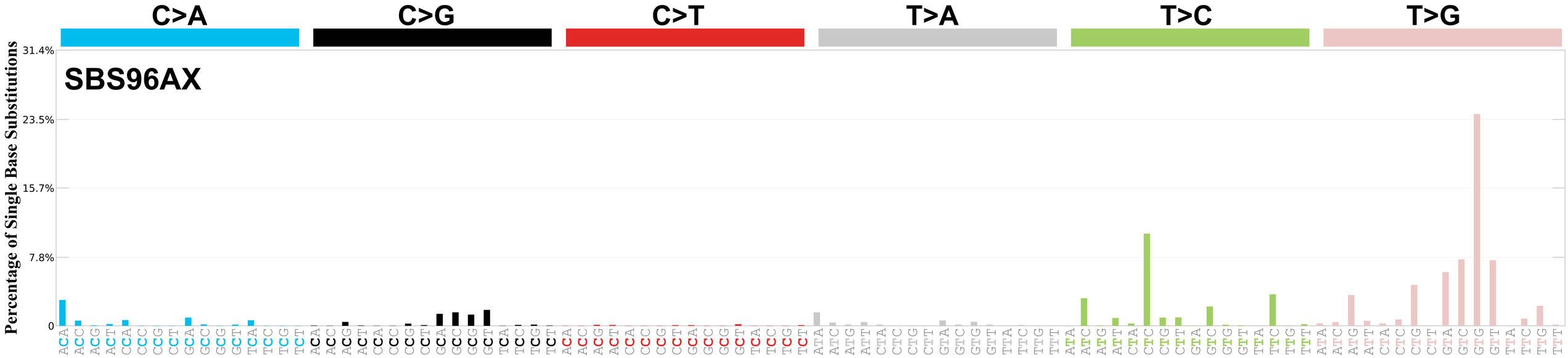
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Percentage of Single Base Substitutions
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15.7%
7.8%
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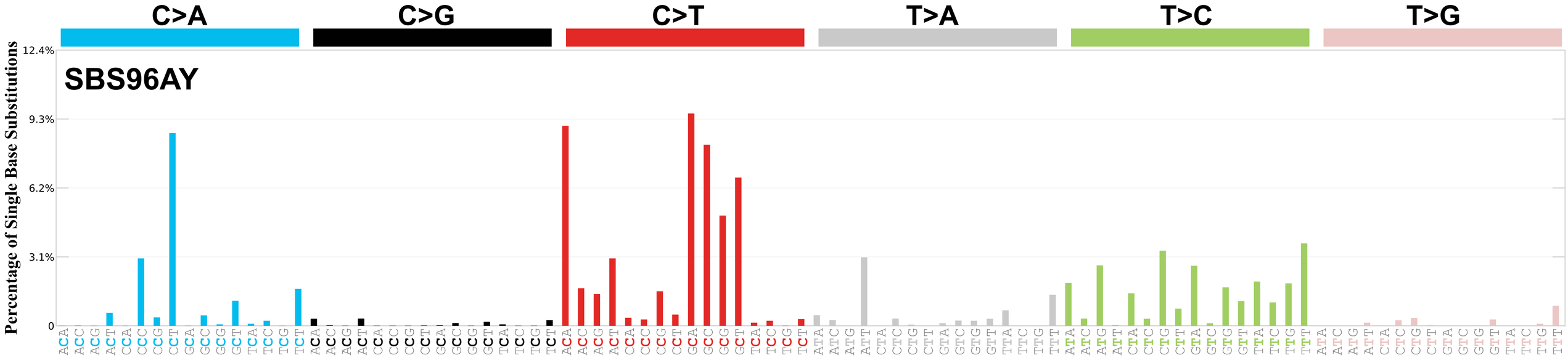
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Percentage of Single Base Substitutions
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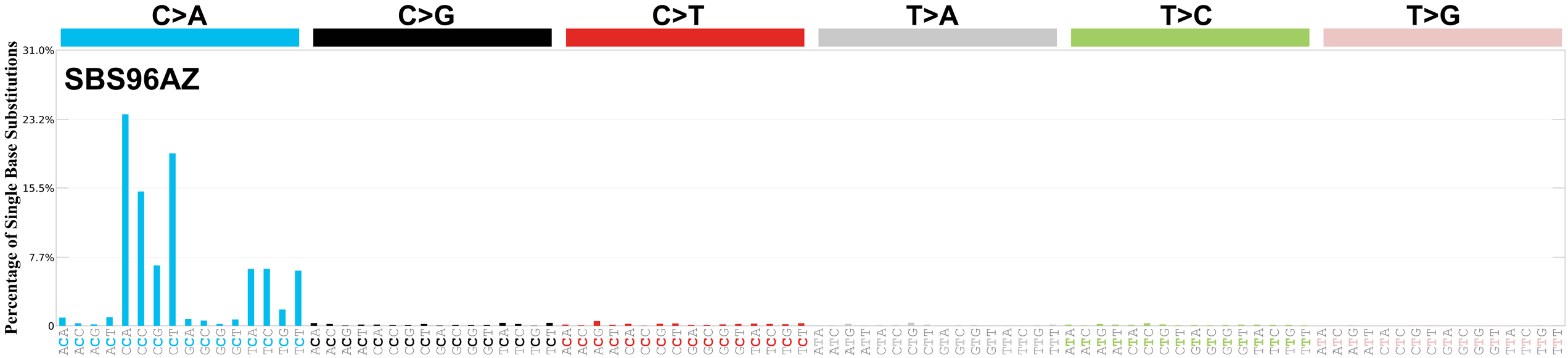
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Percentage of Single Base Substitutions
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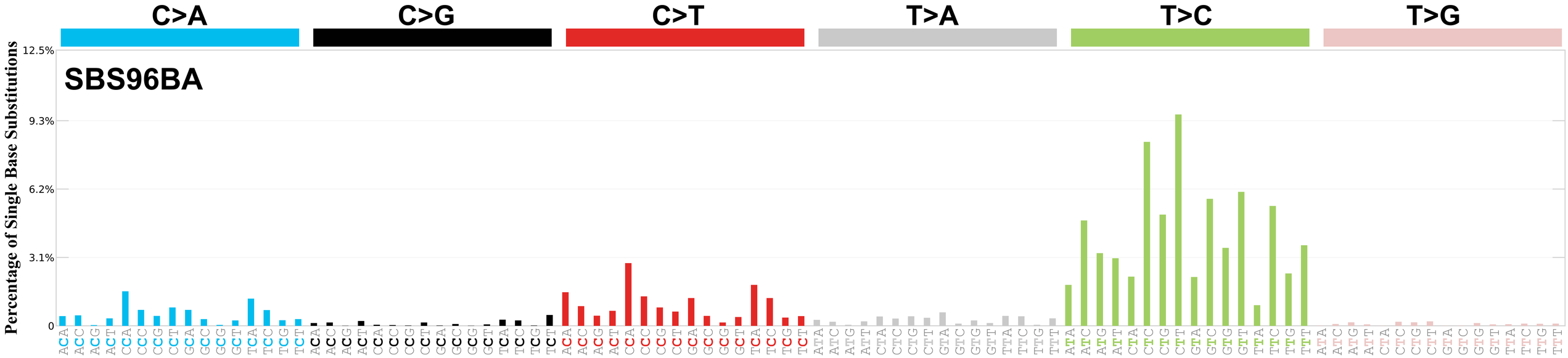
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Percentage of Single Base Substitutions
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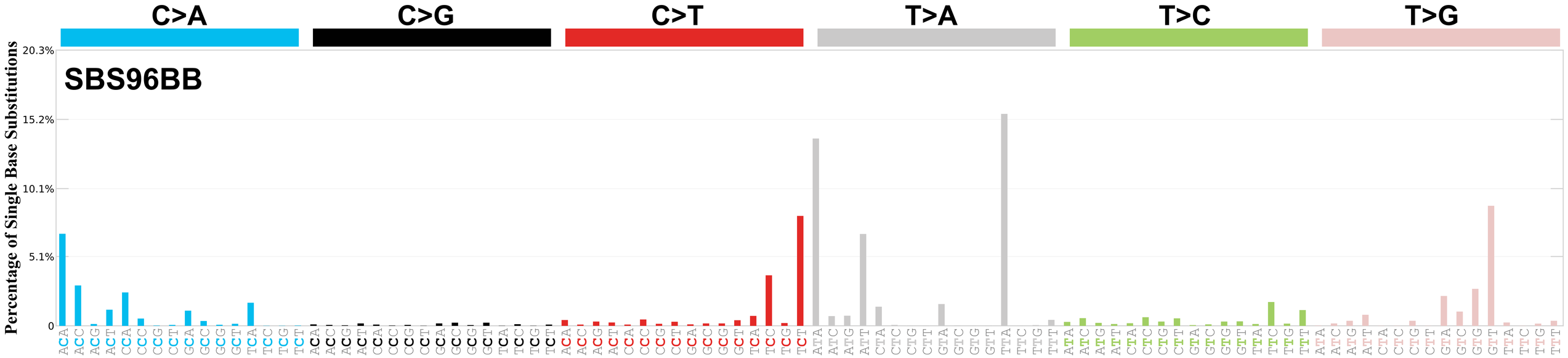
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Percentage of Single Base Substitutions
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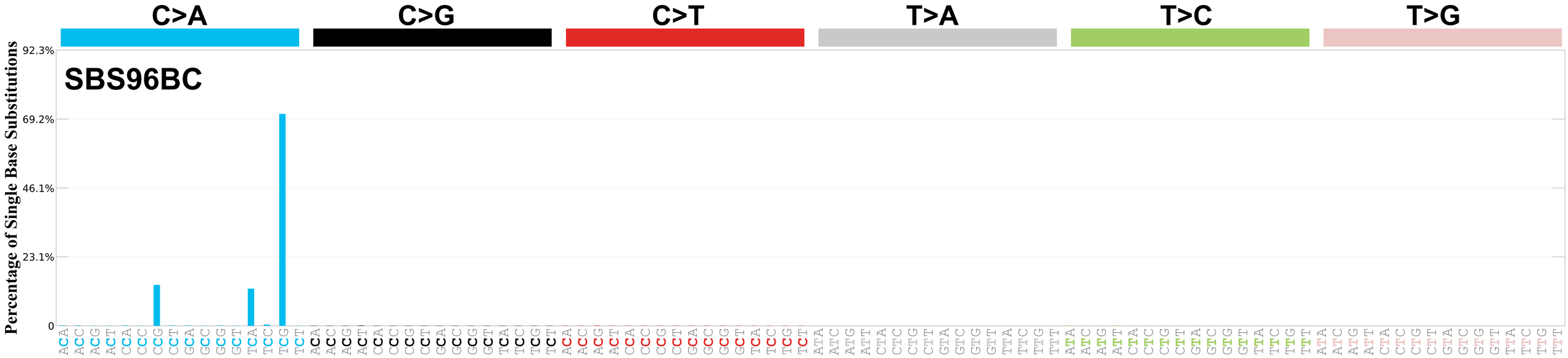
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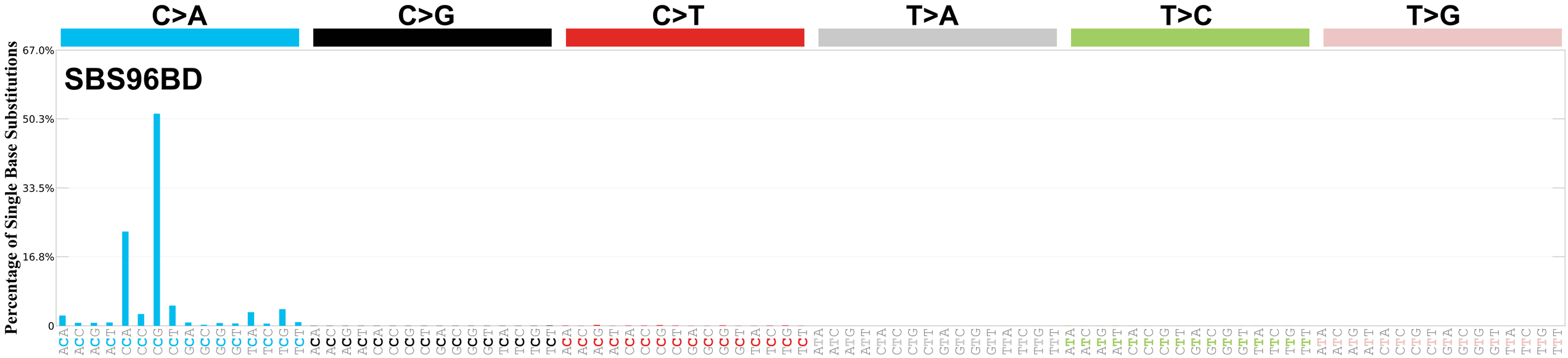
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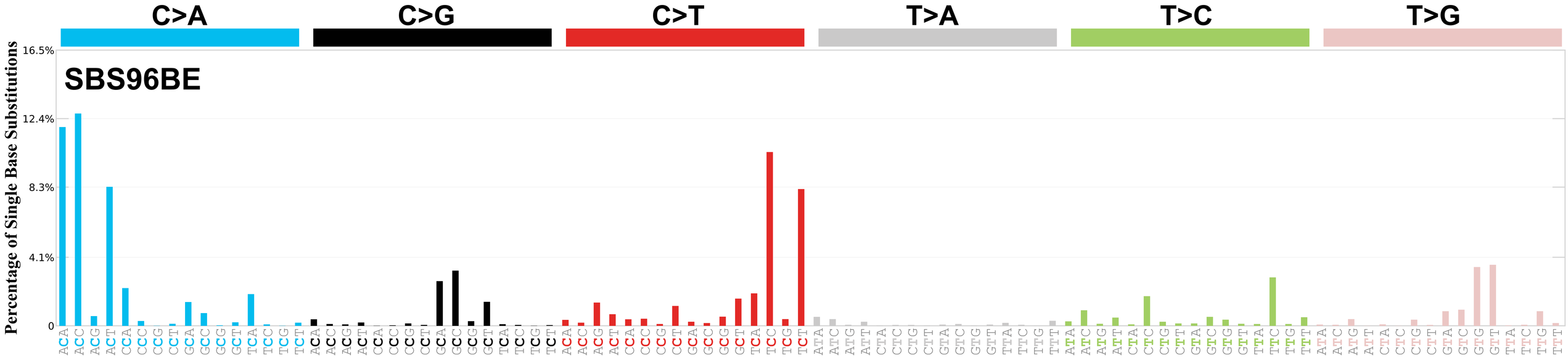
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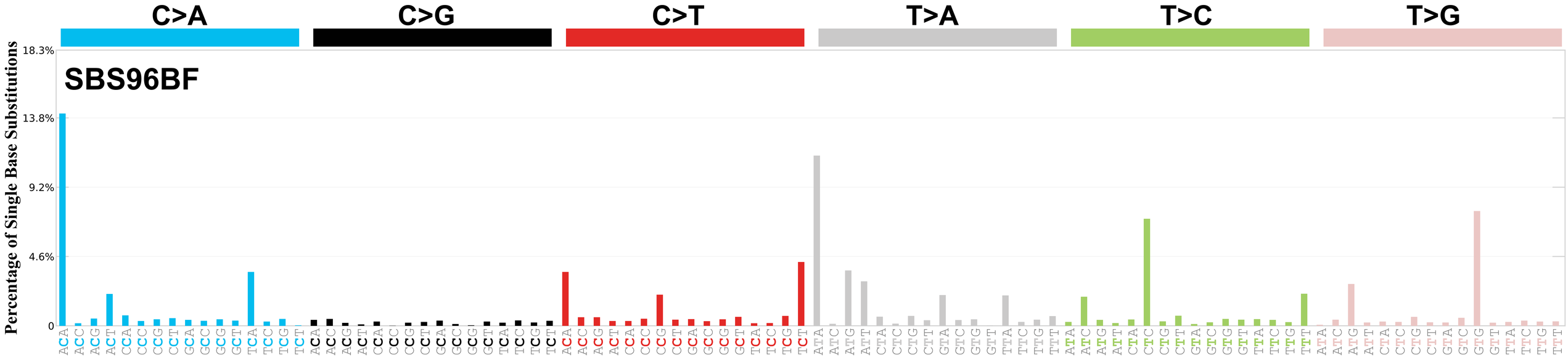
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Percentage of Single Base Substitutions
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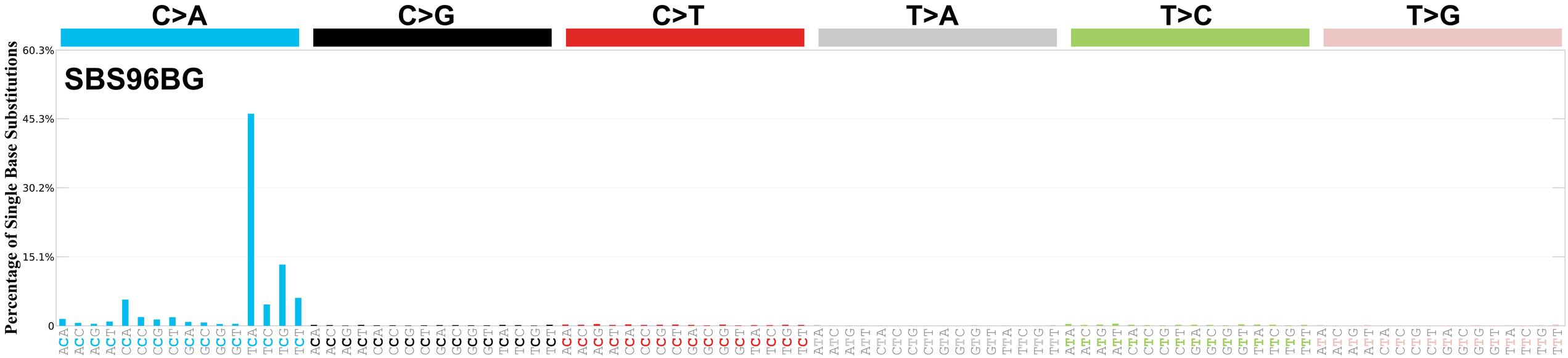
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Percentage of Single Base Substitutions
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30.2%
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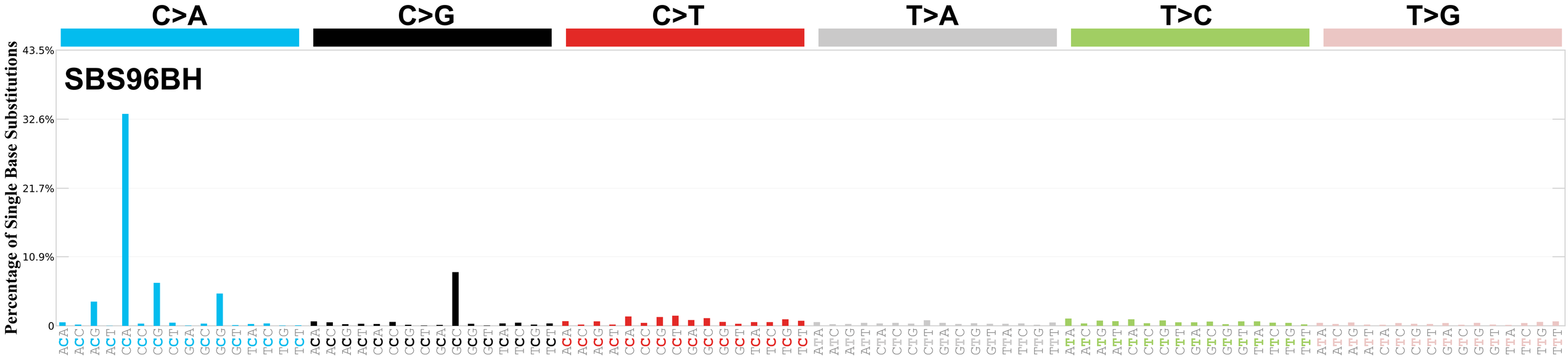
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Percentage of Single Base Substitutions
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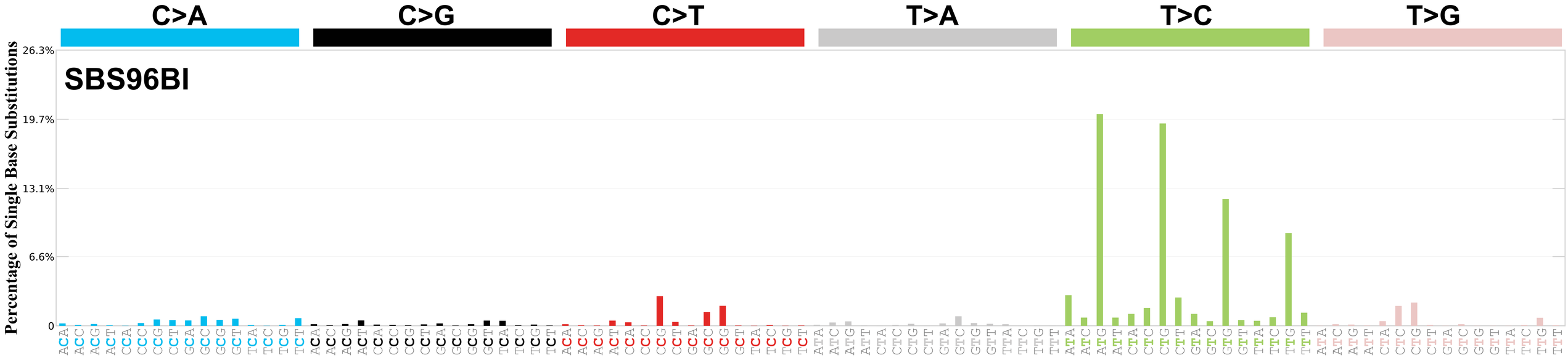
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Percentage of Single Base Substitutions
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6.6%
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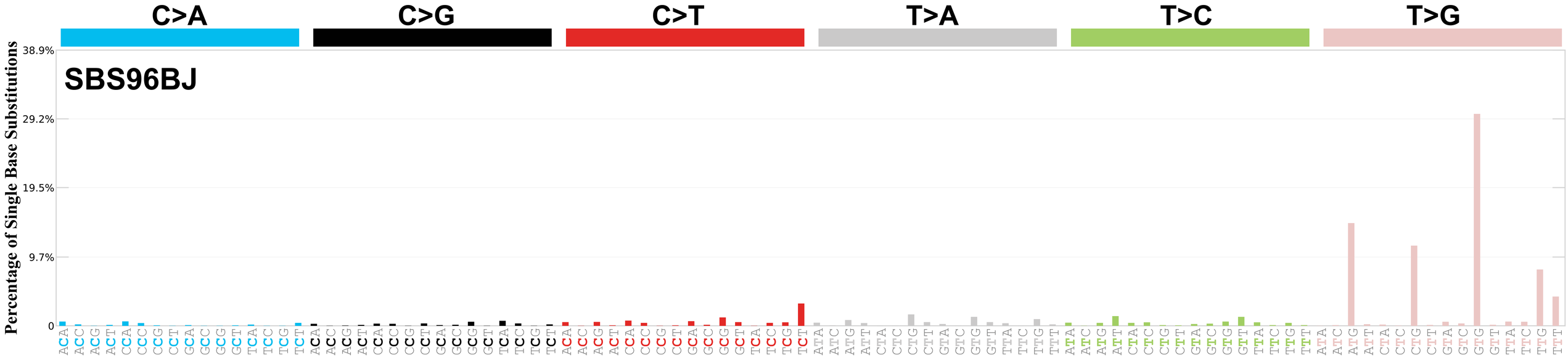
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SBS96BJ
Percentage of Single Base Substitutions
38.9%
29.2%
19.5%
9.7%
0
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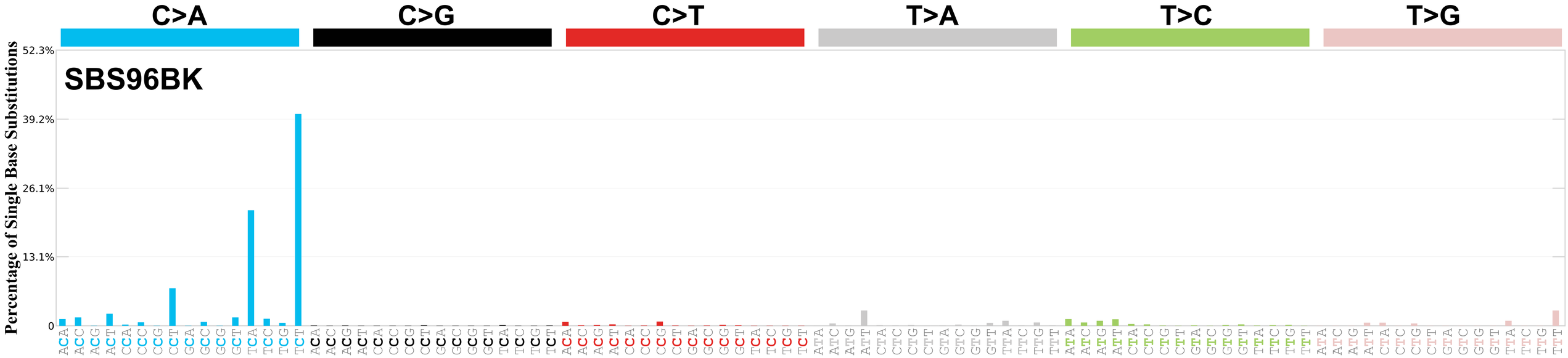
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SBS96BK
Percentage of Single Base Substitutions
52.3%
39.2%
26.1%
13.1%
0
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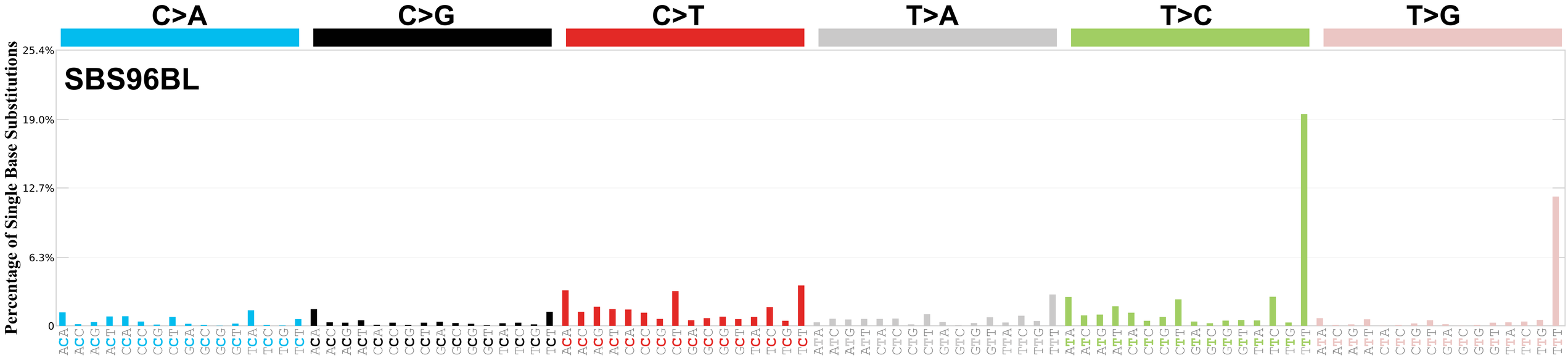
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Percentage of Single Base Substitutions
25.4%
19.0%
12.7%
6.3%
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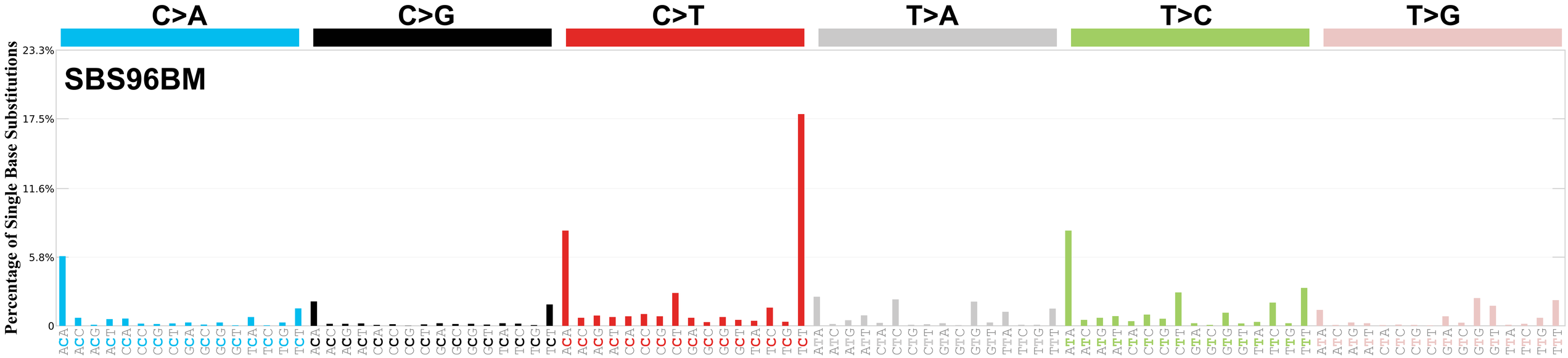
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SBS96BM
Percentage of Single Base Substitutions
23.3%
17.5%
11.6%
5.8%
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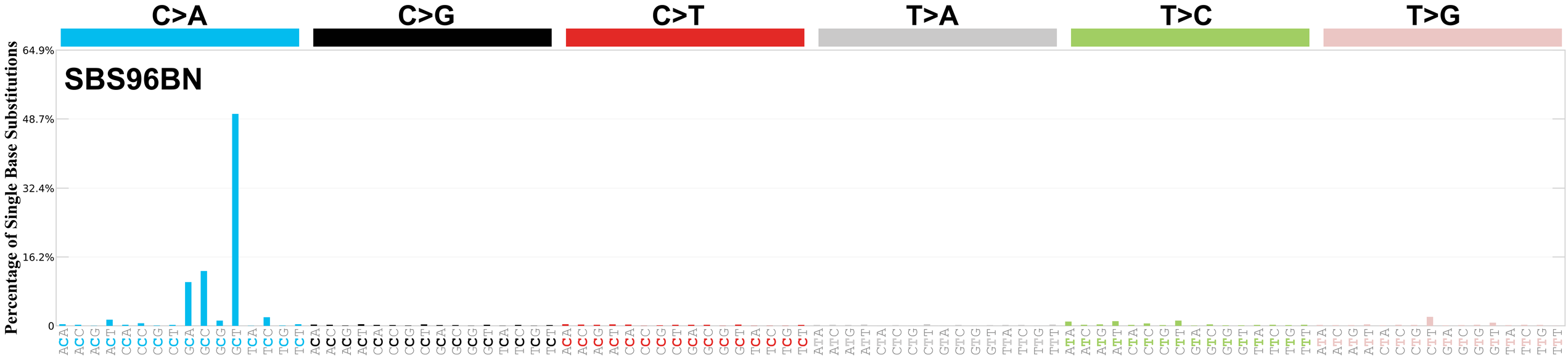
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Percentage of Single Base Substitutions
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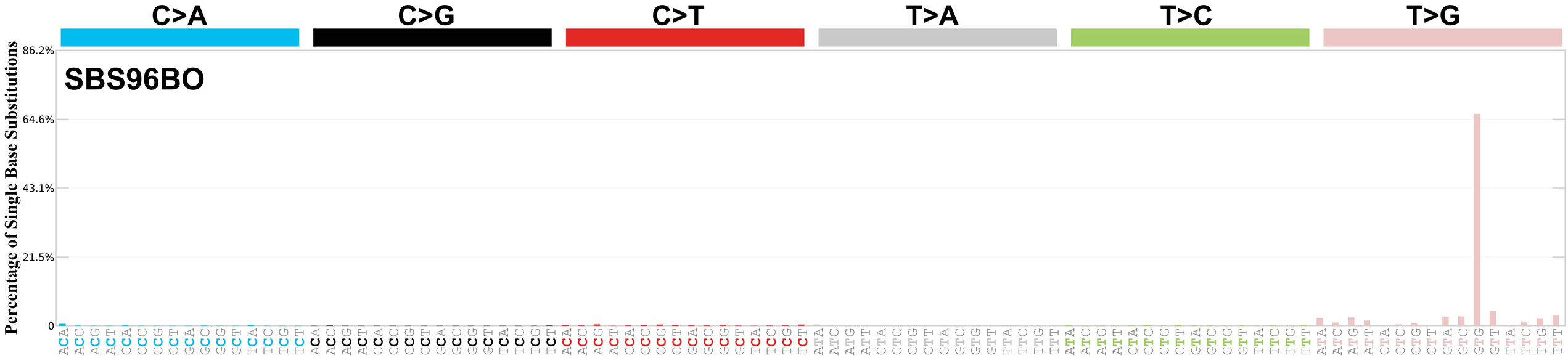
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SBS96BO
Percentage of Single Base Substitutions
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43.1%
21.5%
0
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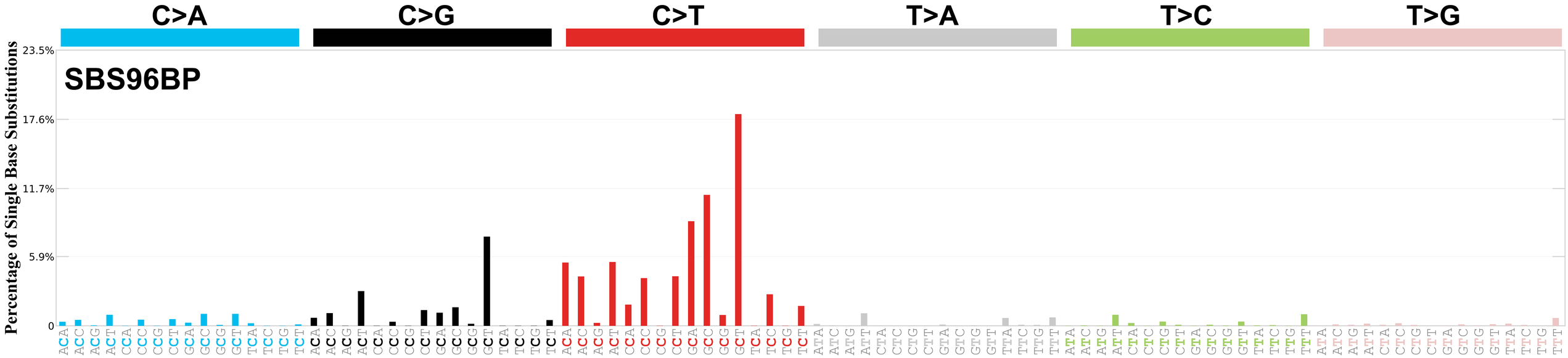
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SBS96BP
Percentage of Single Base Substitutions
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11.7%
5.9%
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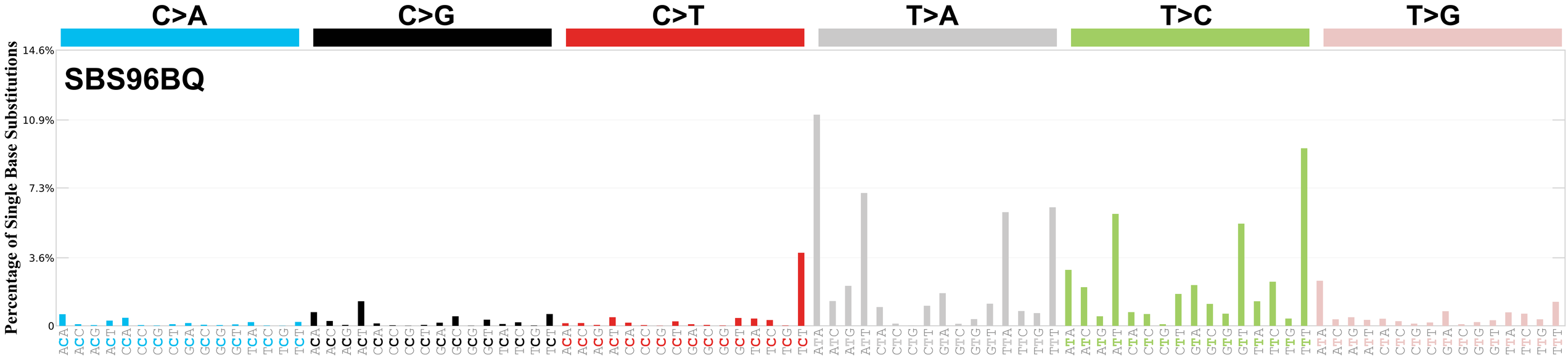
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Percentage of Single Base Substitutions
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7.3%
3.6%
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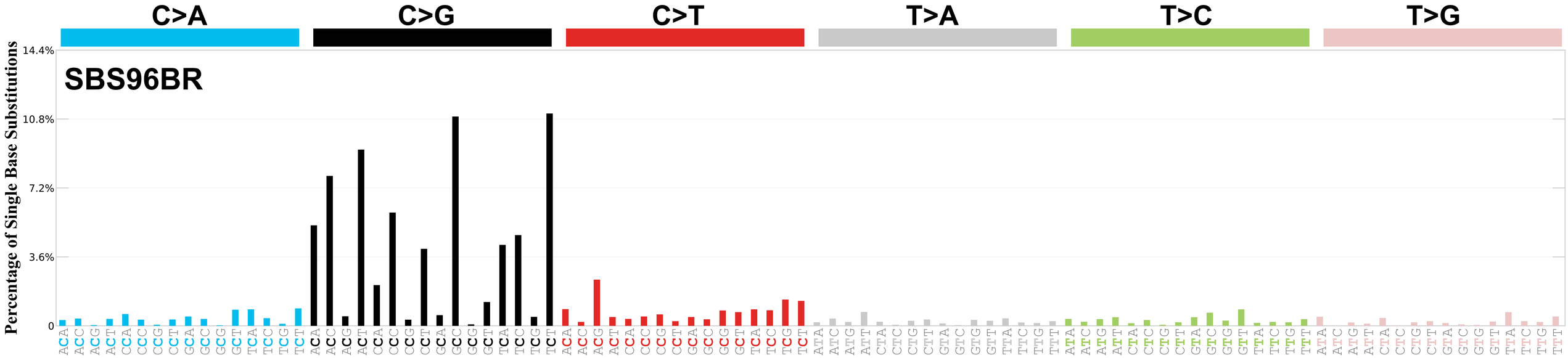
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SBS96BR
Percentage of Single Base Substitutions
14.4%
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7.2%
3.6%
0
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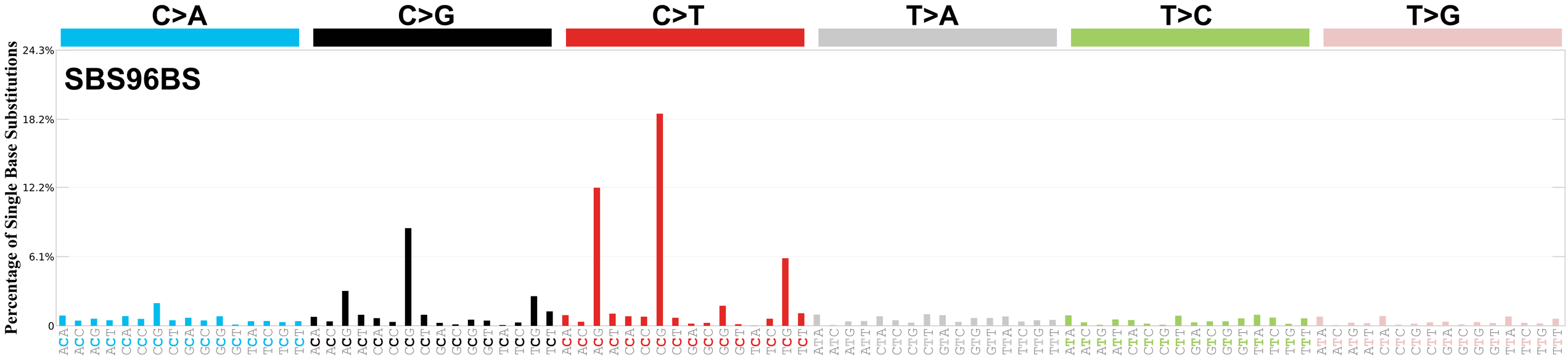
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Percentage of Single Base Substitutions
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0
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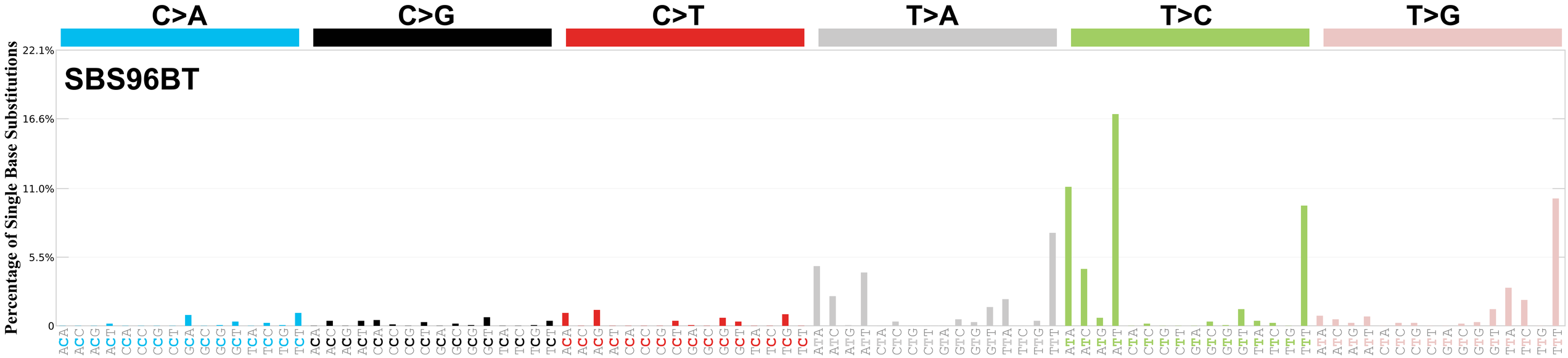
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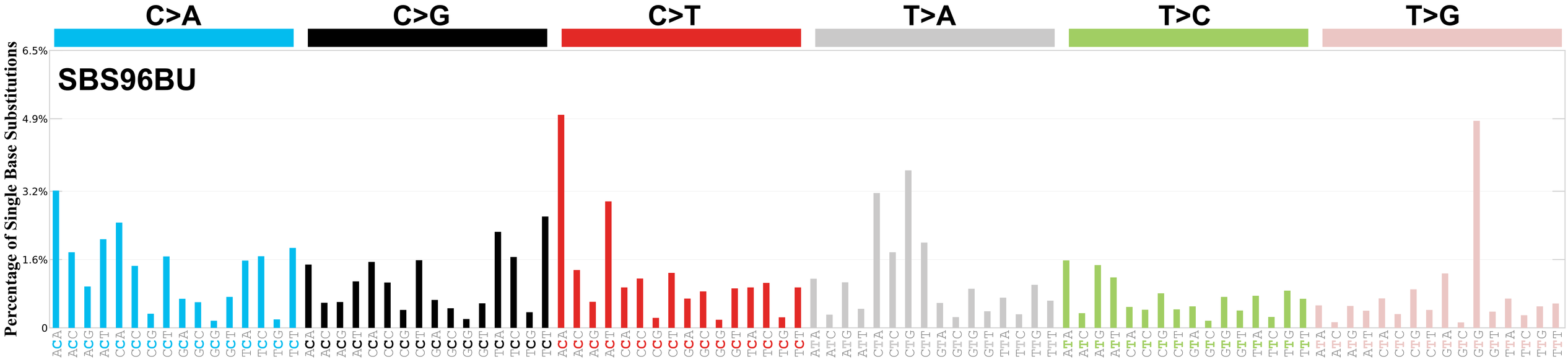
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Percentage of Single Base Substitutions
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3.2%
1.6%
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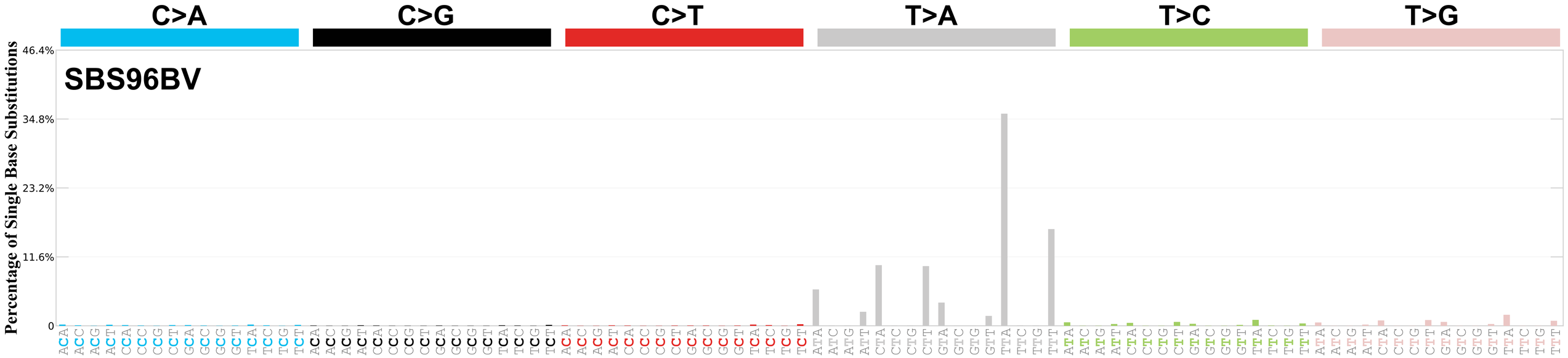
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SBS96BV
Percentage of Single Base Substitutions
46.4%
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23.2%
11.6%
0
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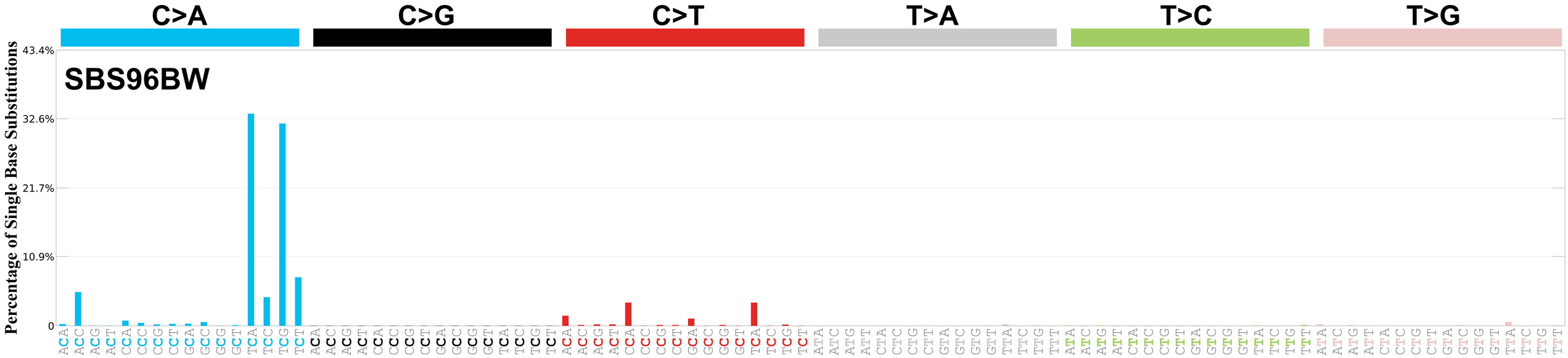
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SBS96BW
Percentage of Single Base Substitutions
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21.7%
10.9%
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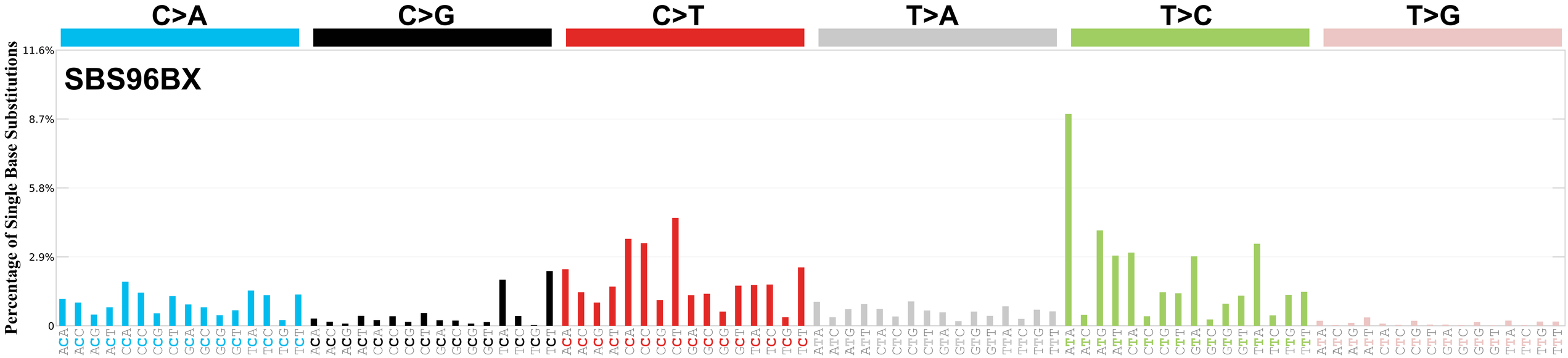
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SBS96BX
Percentage of Single Base Substitutions
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5.8%
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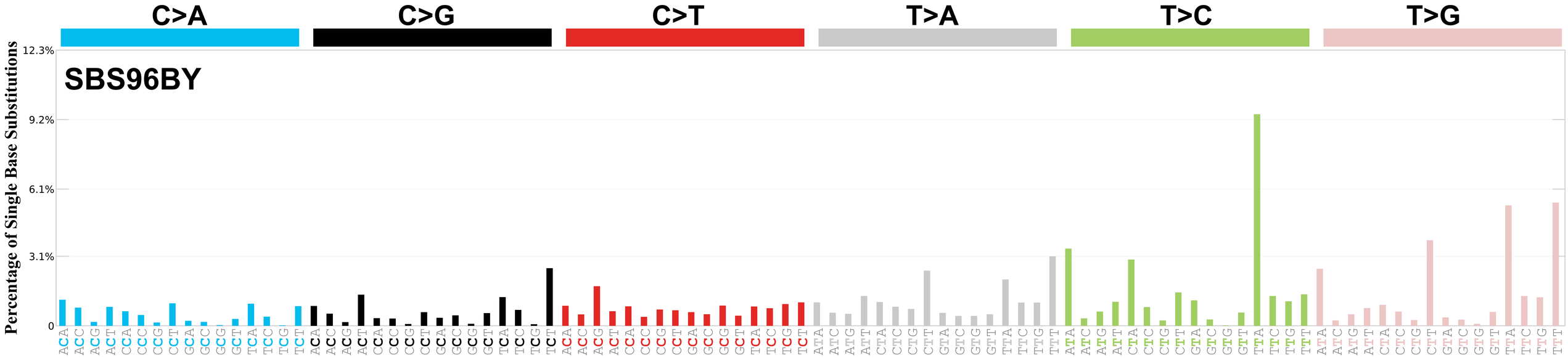
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SBS96BY
Percentage of Single Base Substitutions
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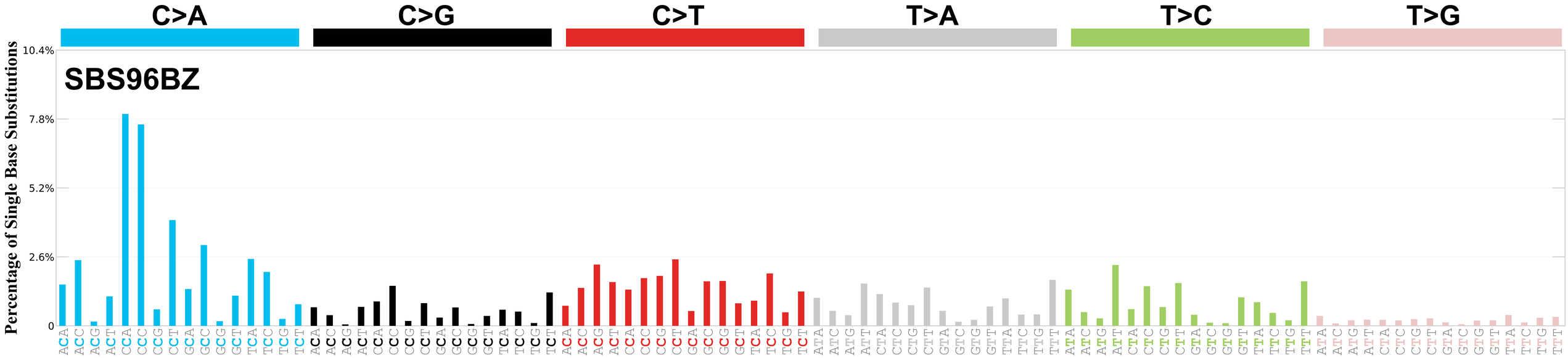
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Percentage of Single Base Substitutions
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