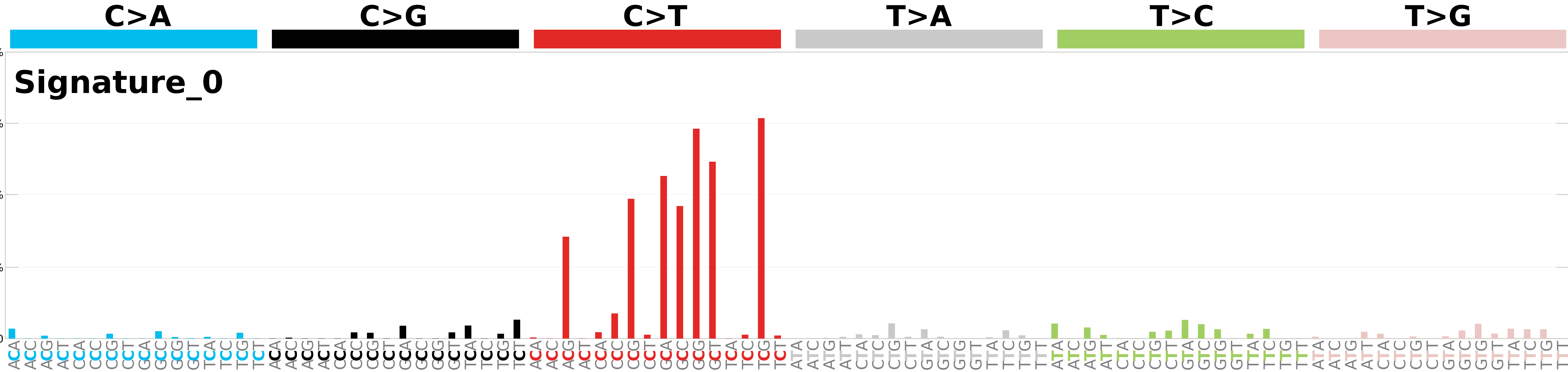
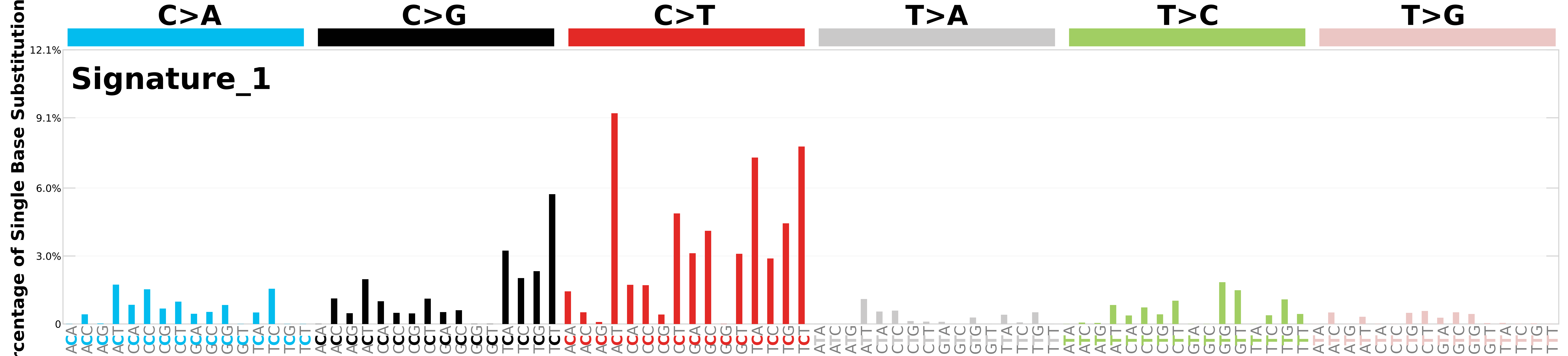
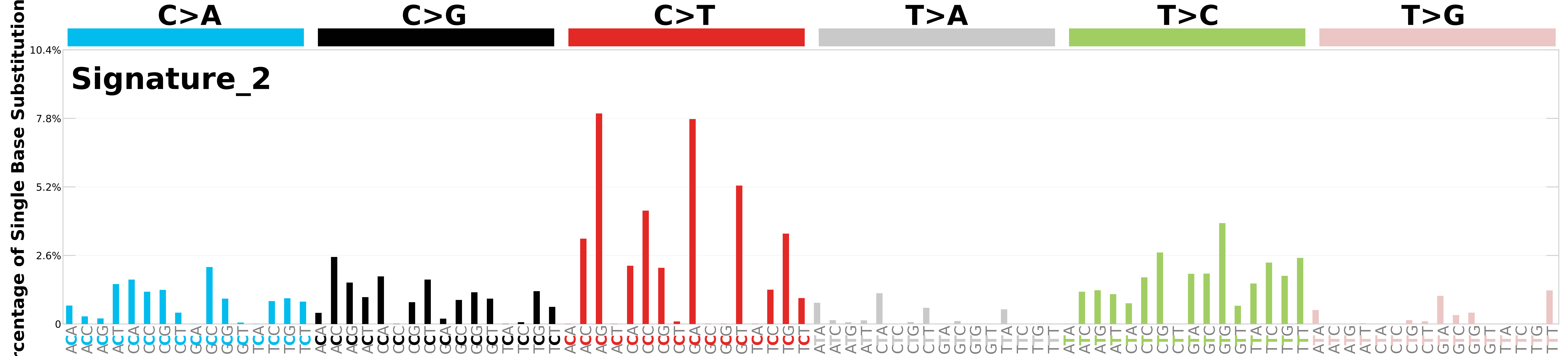


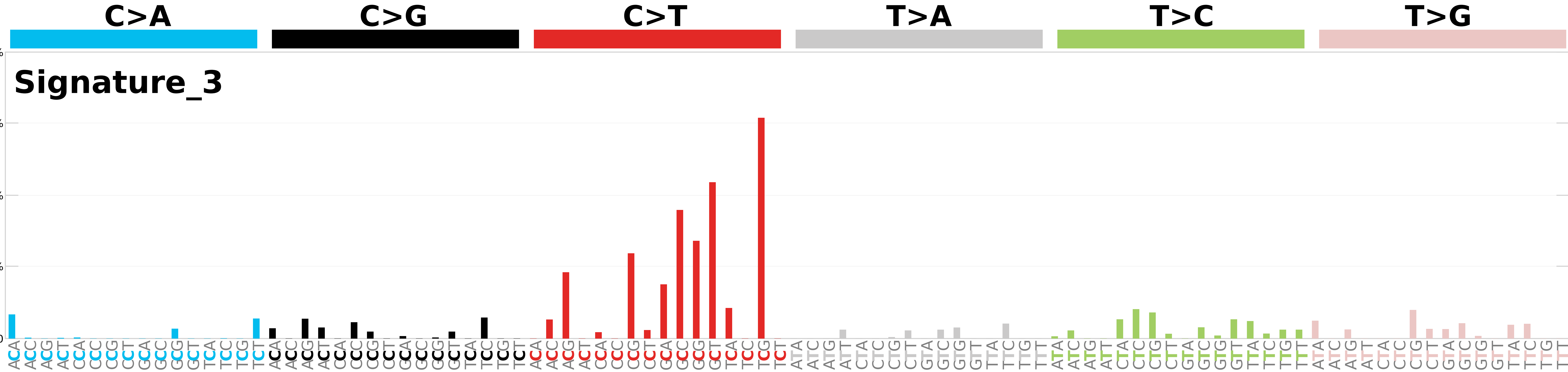
Percentage of Single Base Substitution

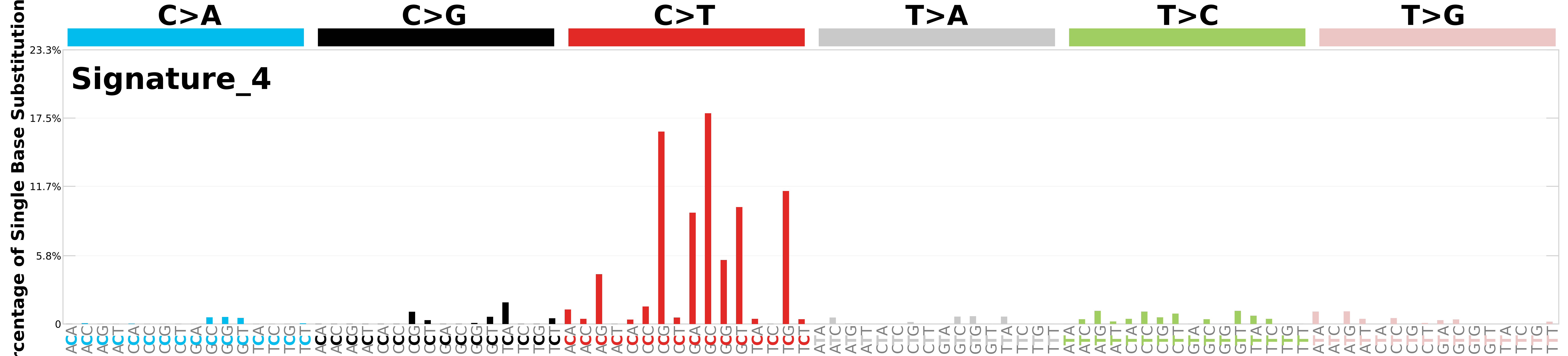


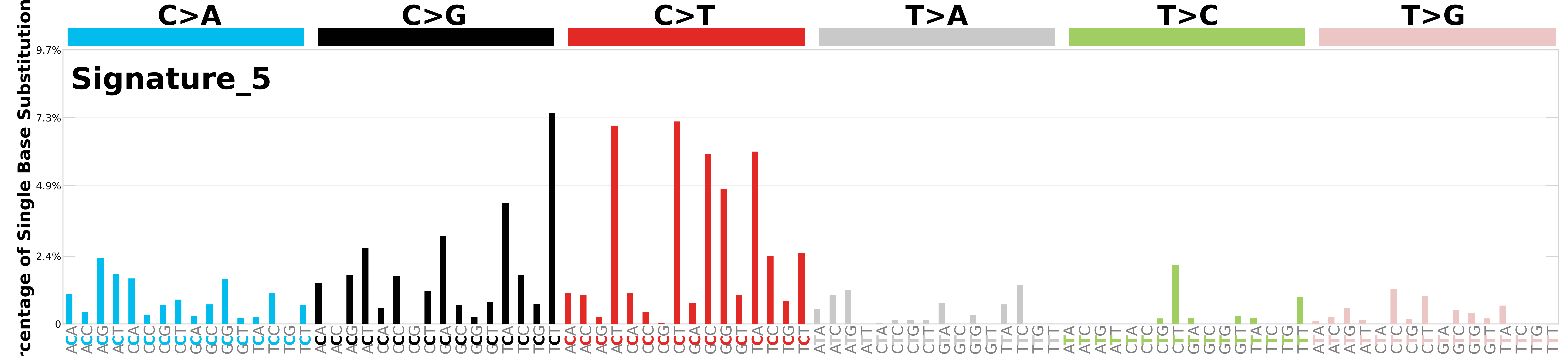


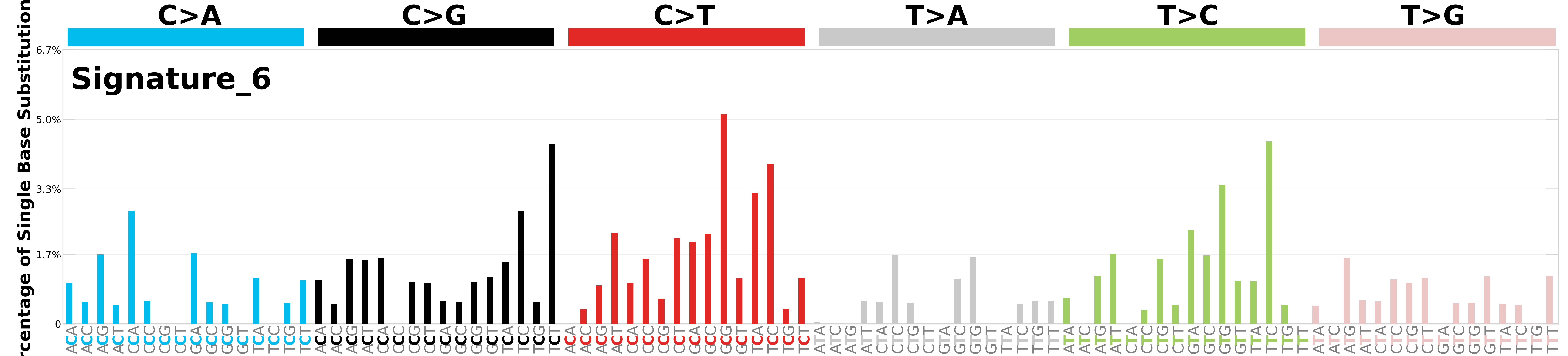


Percentage of Single Base Substitution









Percentage of Single Base Substitution

C>A

C>G

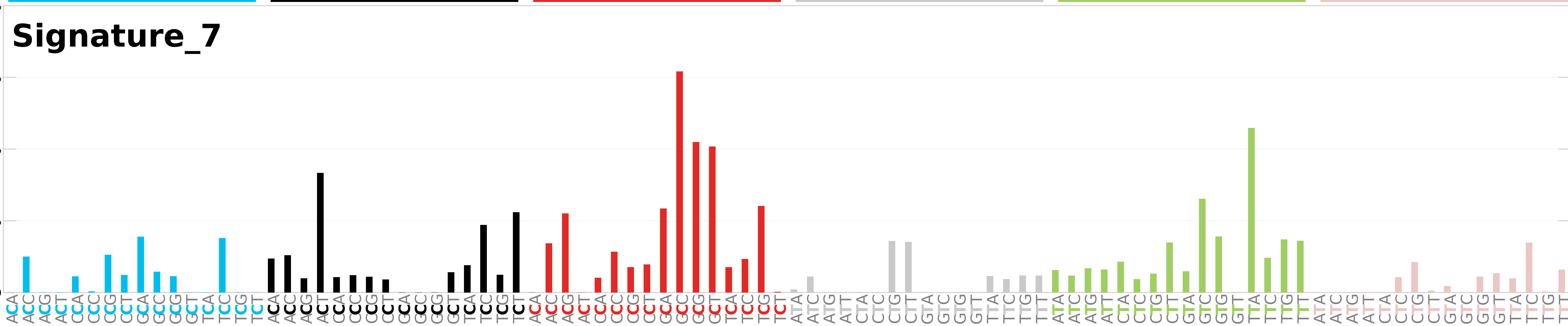
C>T

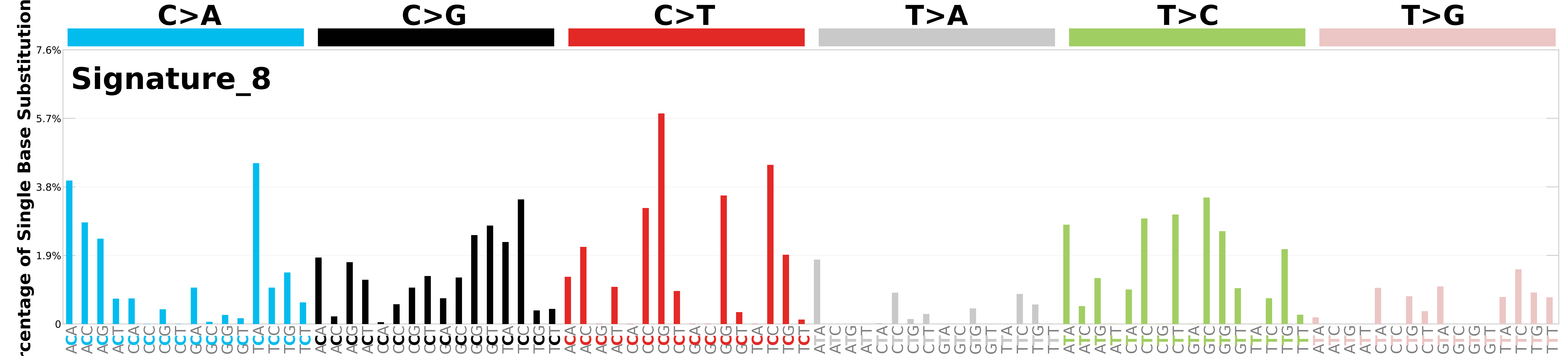
T>A

T>C

T>G

Signature_7





Percentage of Single Base Substitution

C>A

C>G

C>T

T>A

T>C

T>G

Signature_9

20.2%

15.1%

10.1%

5.0%

0

ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT