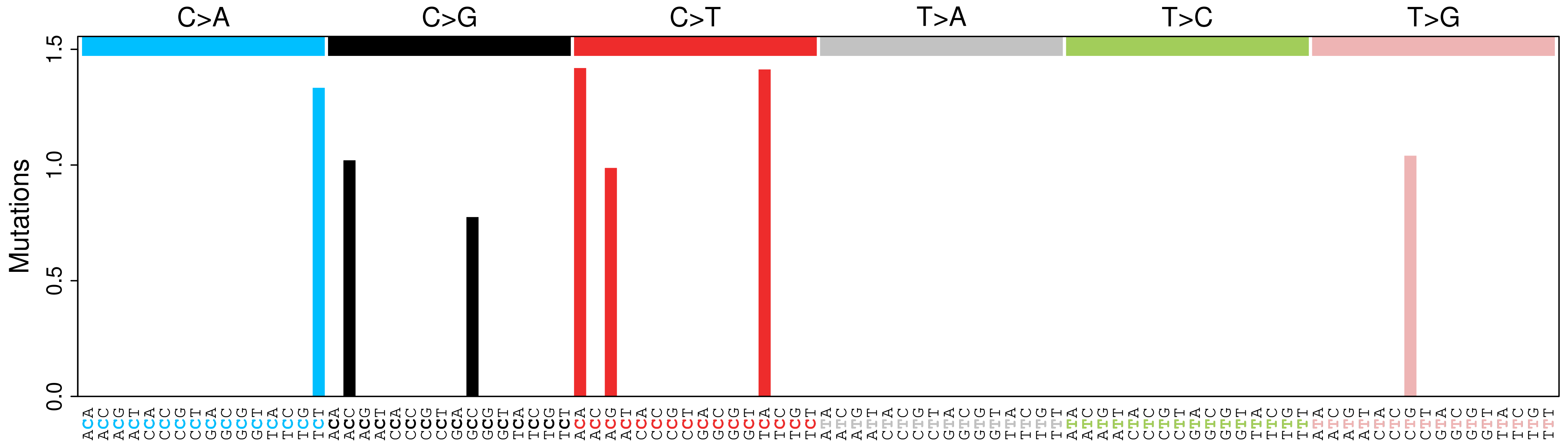


CATD0414a (8 mutations)



CATD0105a (6 mutations)

C>A

C>G

C>T

T>A

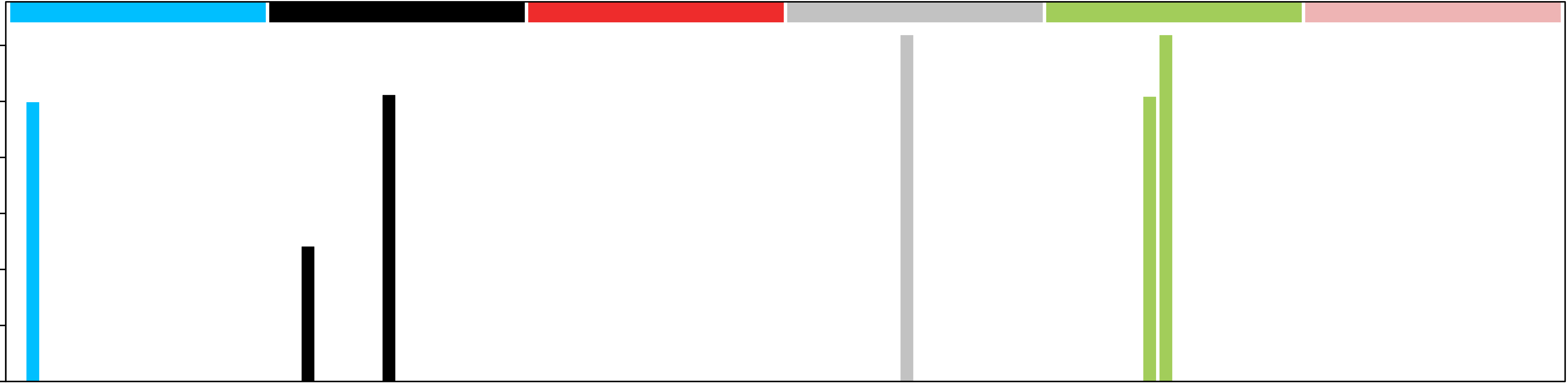
T>C

T>G

Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

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



CATD189a (3 mutations)

C>A

C>G

C>T

T>A

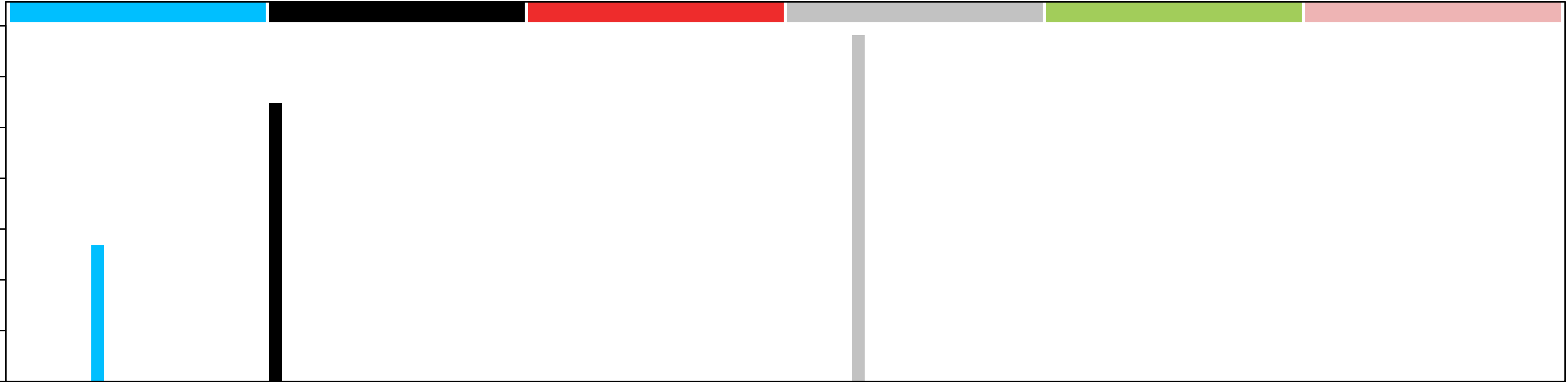
T>C

T>G

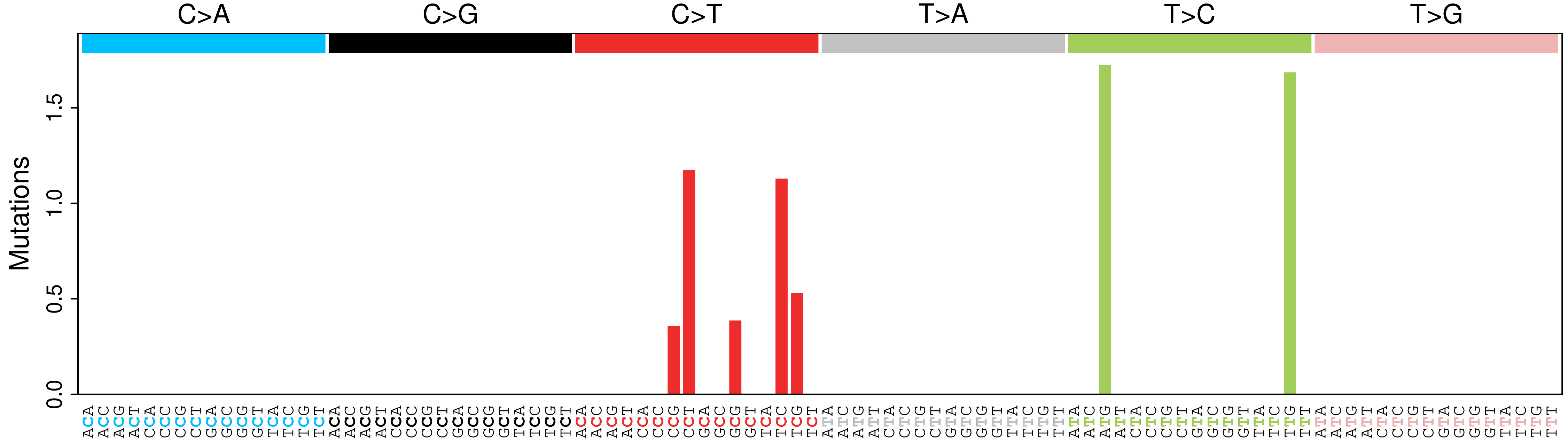
Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4

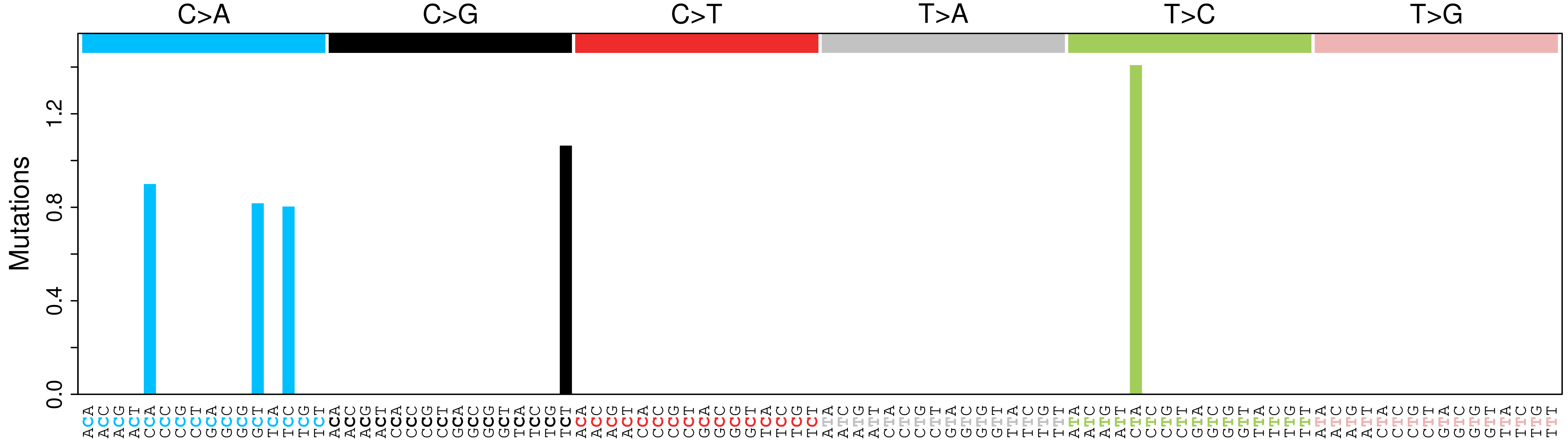
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GCA TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GCA TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTT GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTT GTC GTG GTT TTA TTC TTG TTT



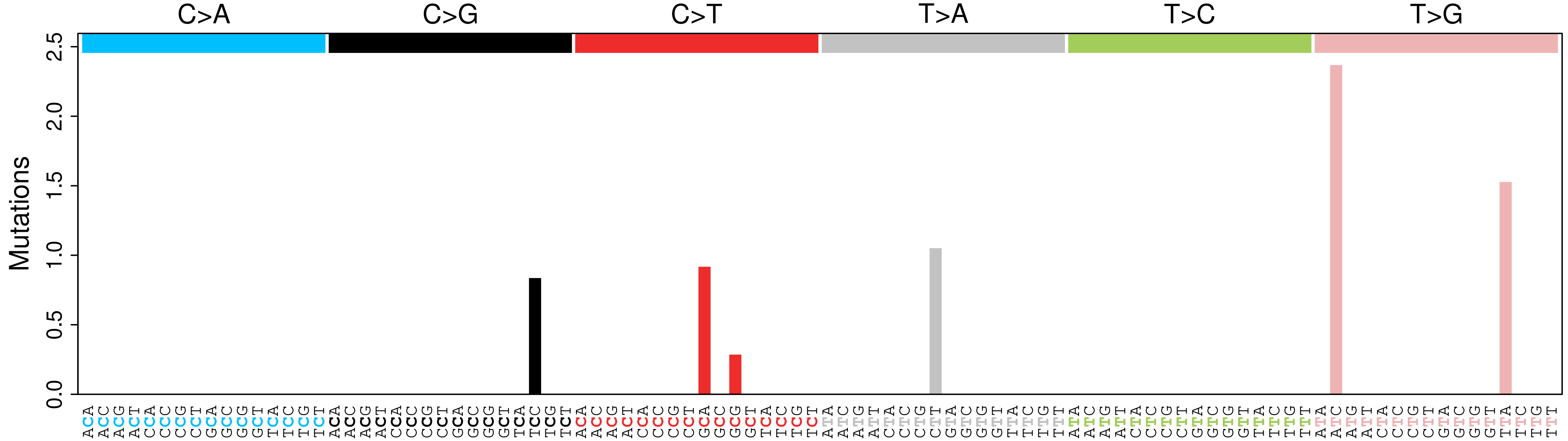
CATD0090a (7 mutations)



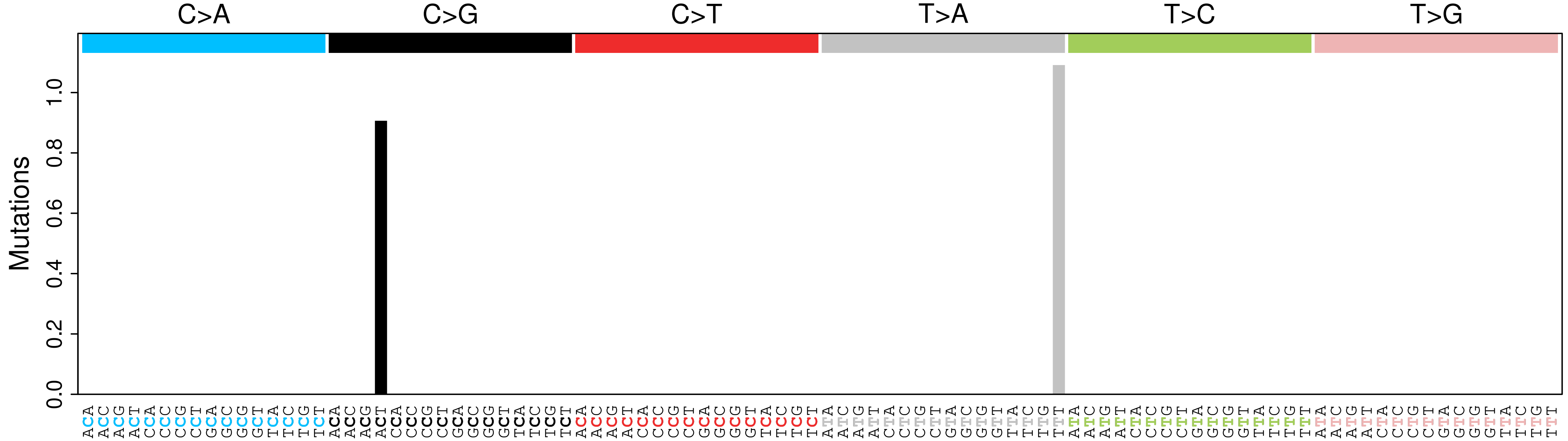
CATD0088a (5 mutations)



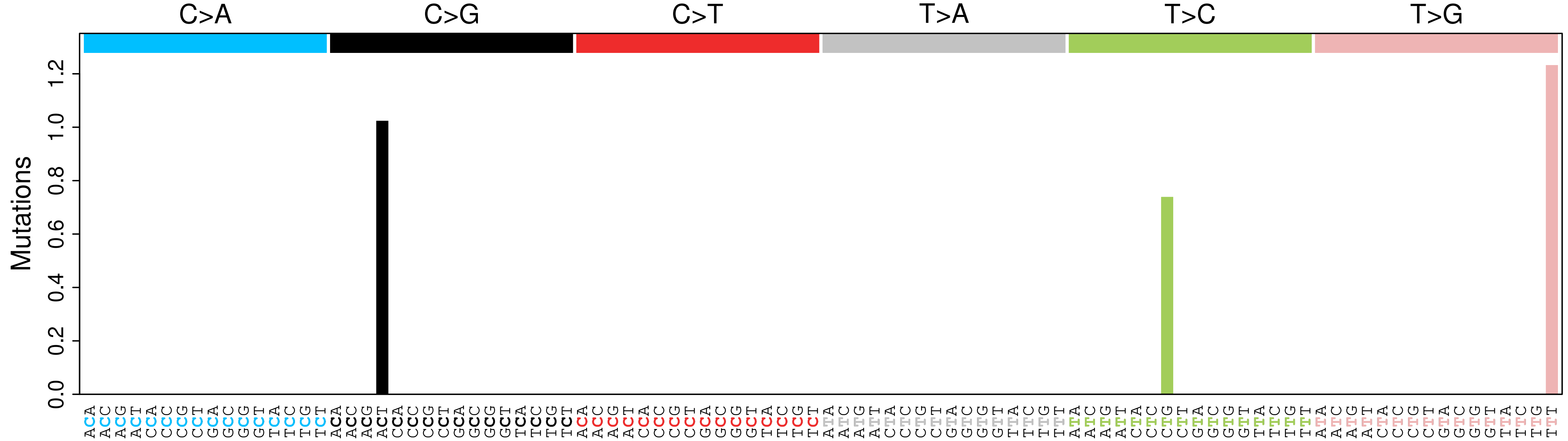
CATD0102a (7 mutations)



CATD0400a (2 mutations)



CATD0095a (3 mutations)



CATD0087a (8 mutations)

C>A

C>G

C>T

T>A

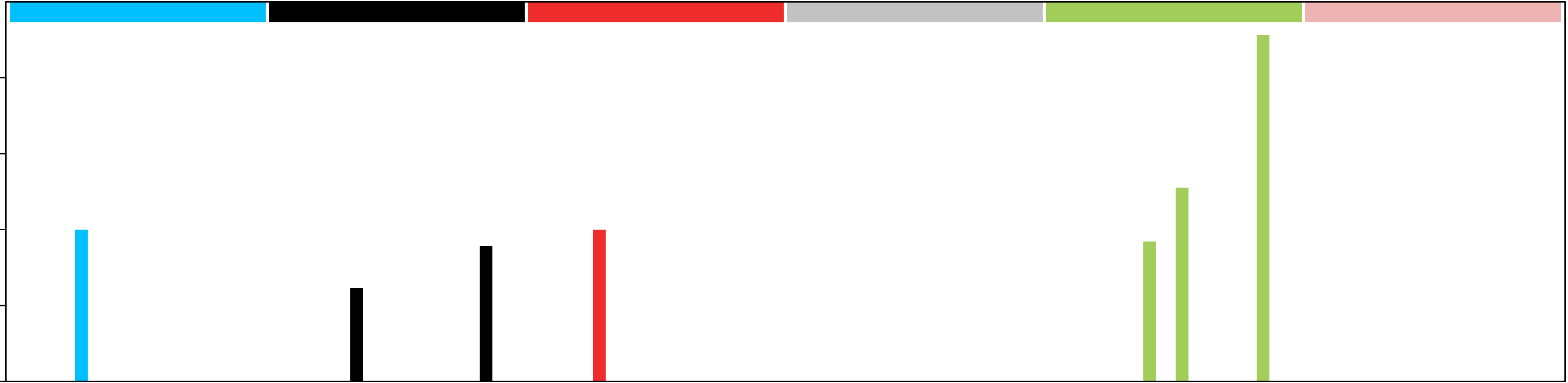
T>C

T>G

Mutations

2.0
1.5
1.0
0.5
0.0

ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GTC TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GTC 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



CATD0410a (3 mutations)

C>A

C>G

C>T

T>A

T>C

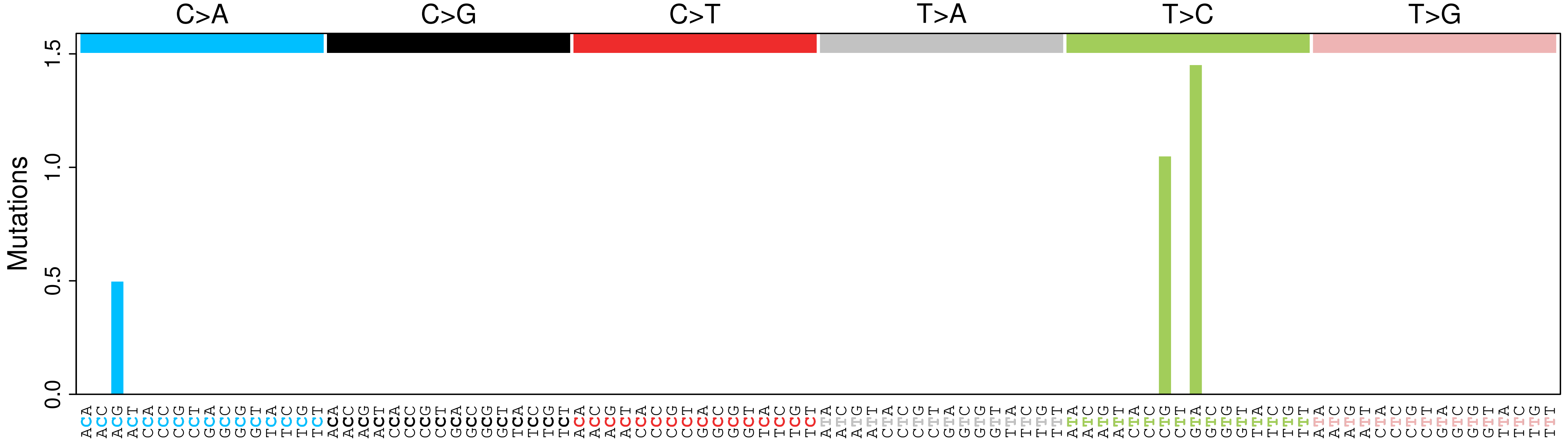
T>G

Mutations

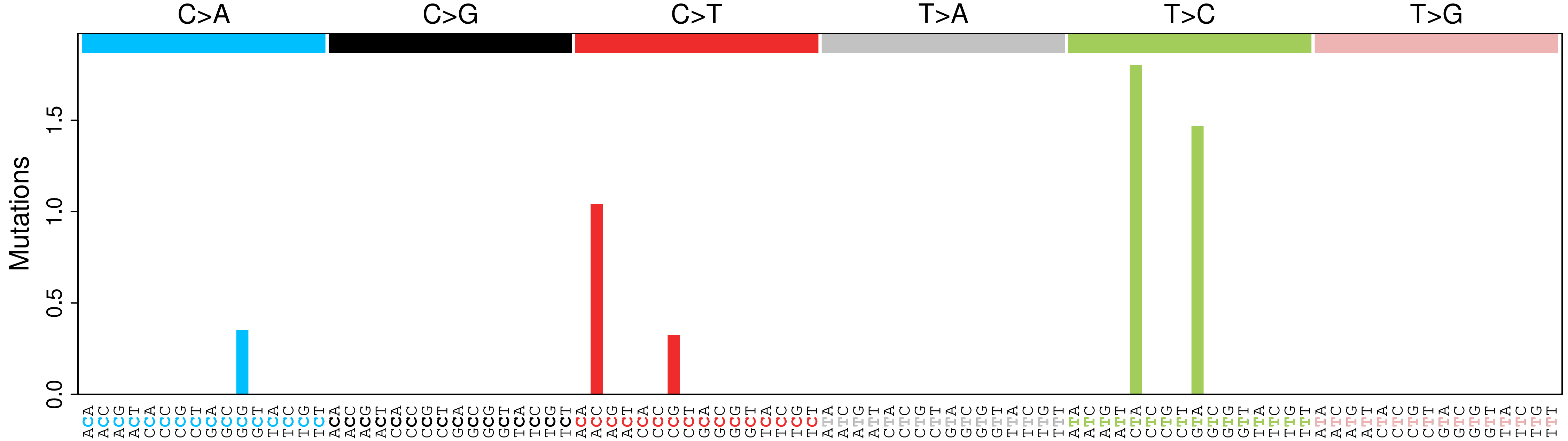
1.2
1.0
0.8
0.6
0.4
0.2
0.0

ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GGT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GGT 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

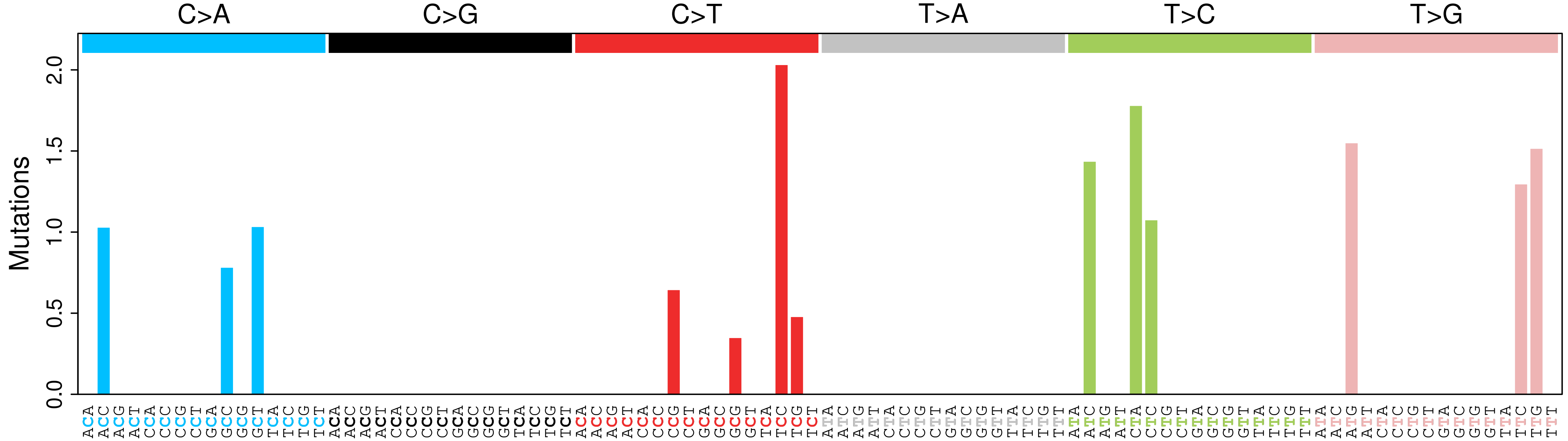
CATD0101a (3 mutations)



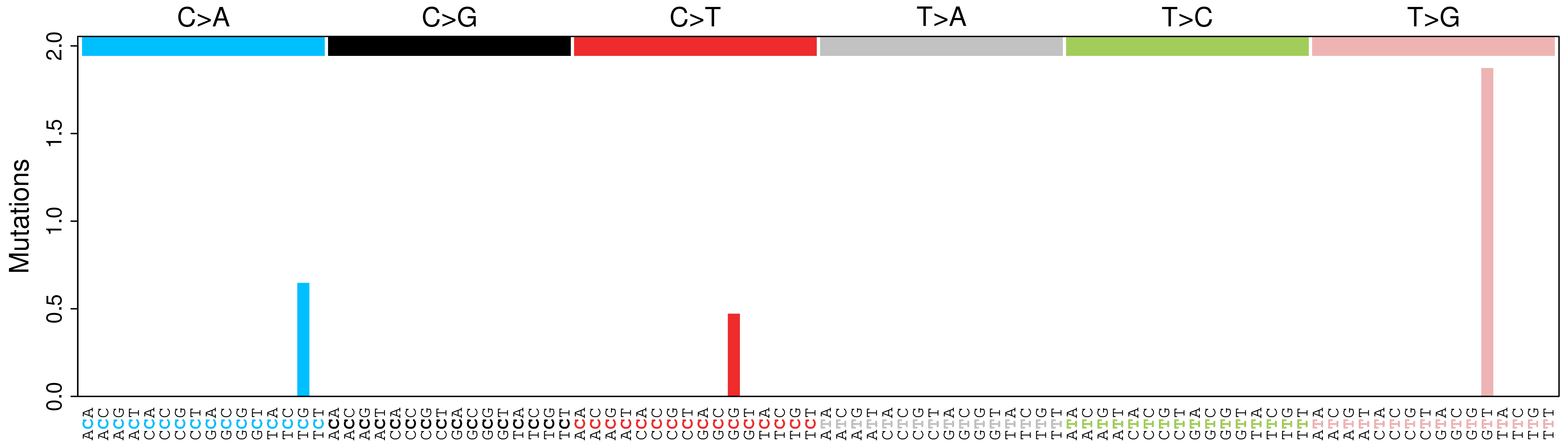
CATD0100a (5 mutations)



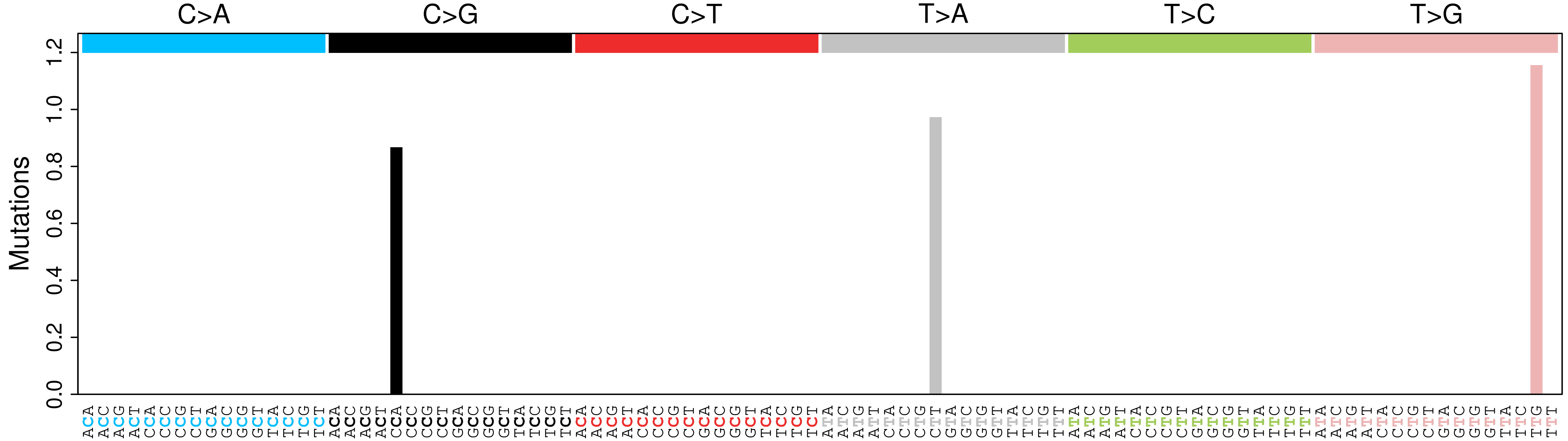
CATD0118a (15 mutations)



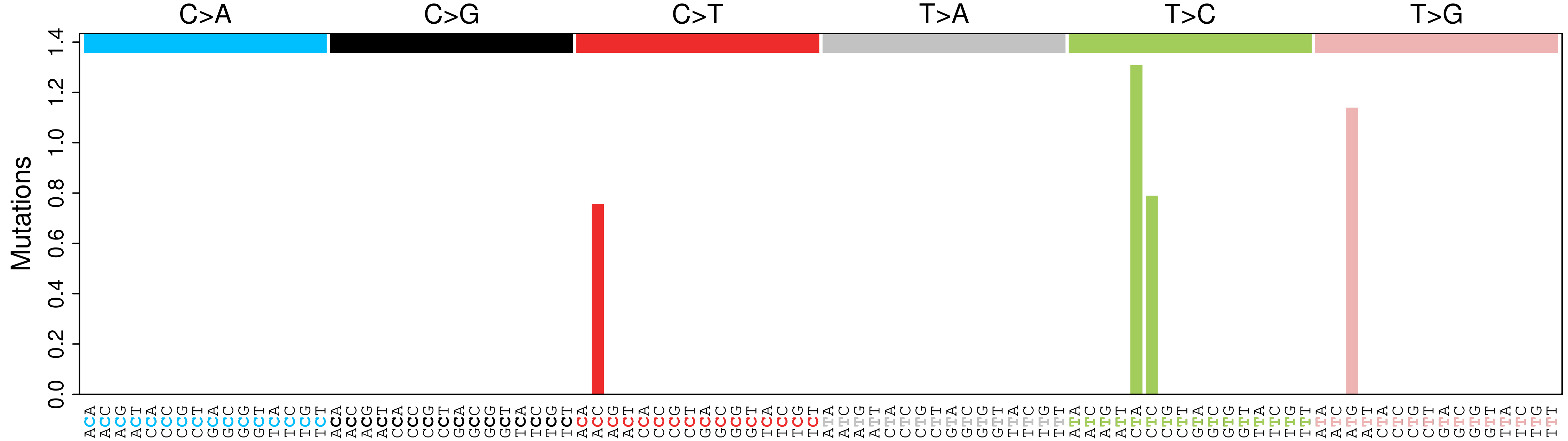
CATD0108a (3 mutations)



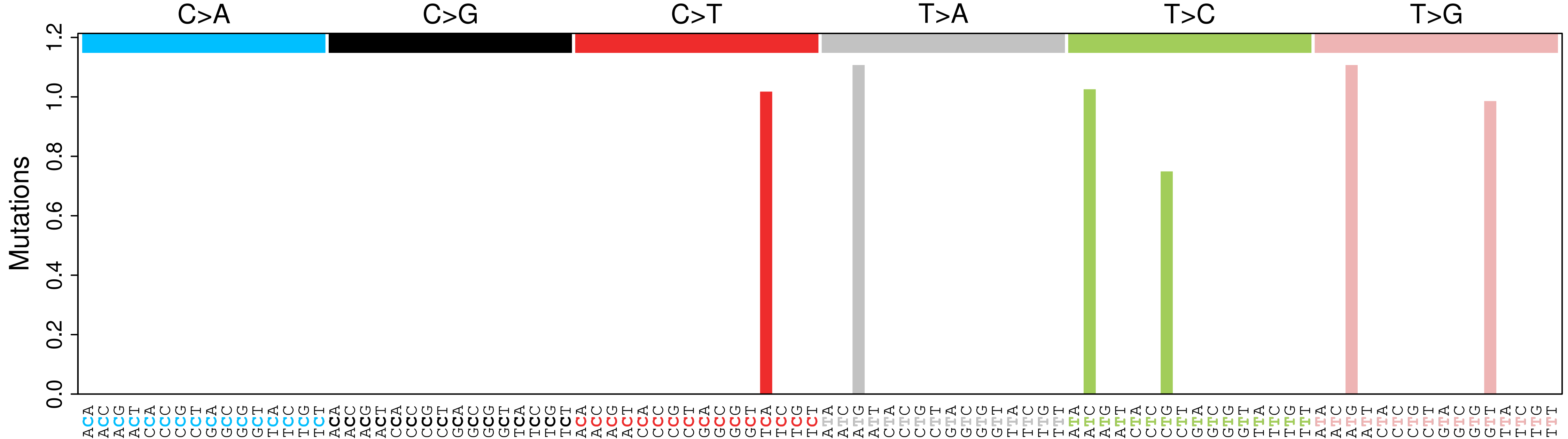
CATD0082a (3 mutations)



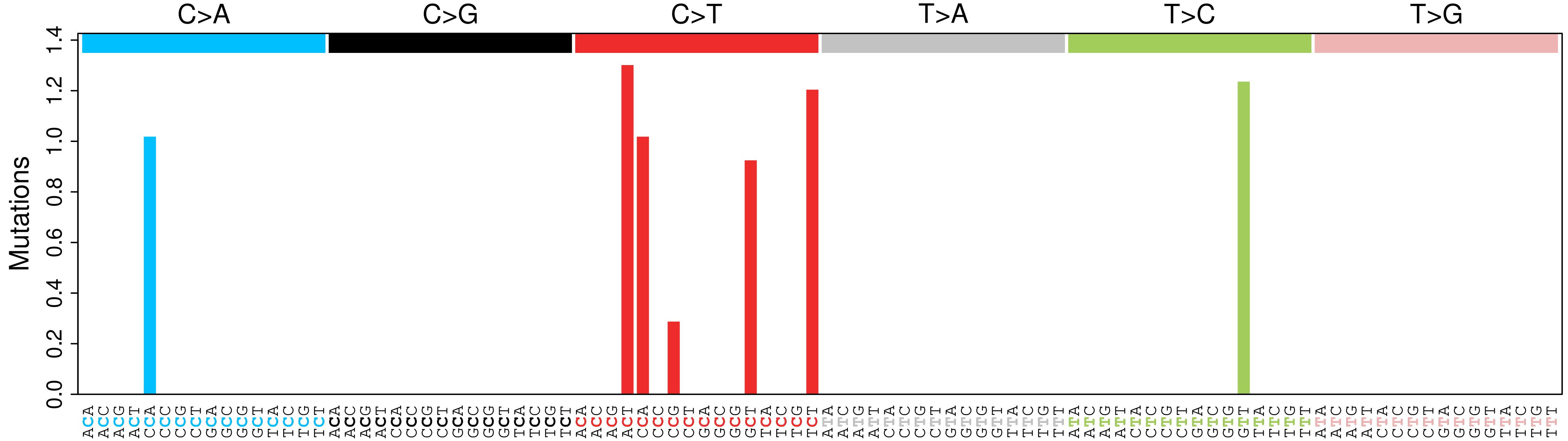
CATD0106a (4 mutations)



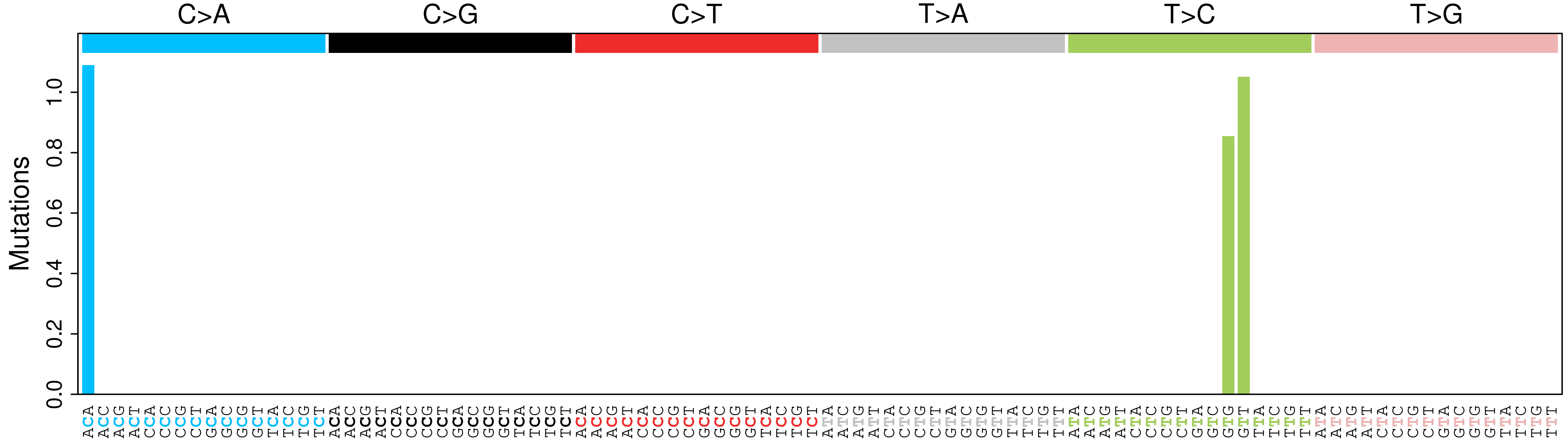
CATD0107a (6 mutations)



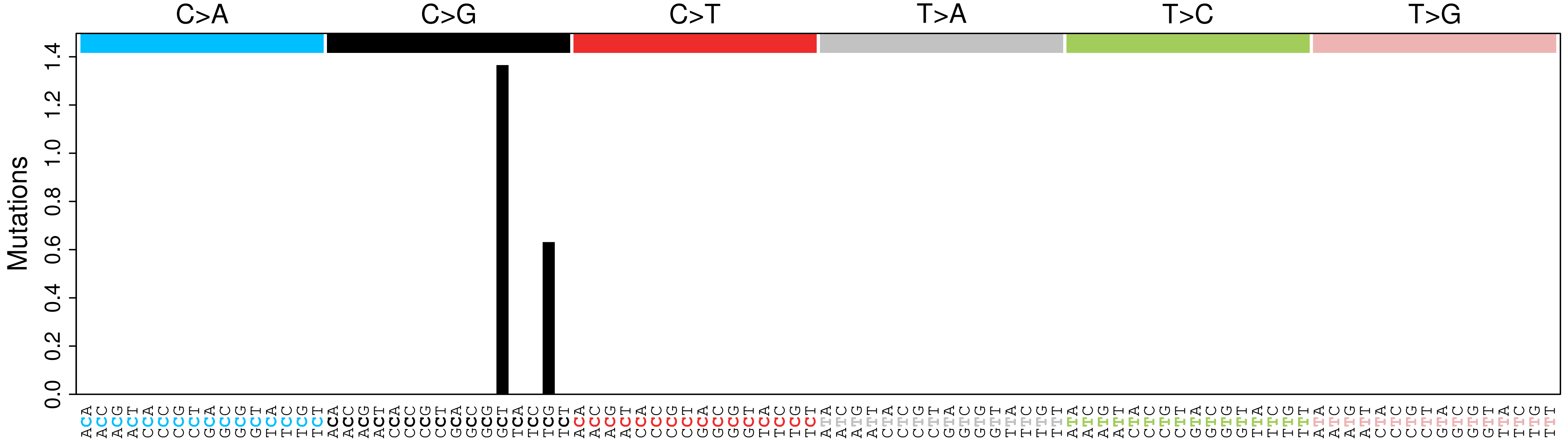
CATD0097a (7 mutations)



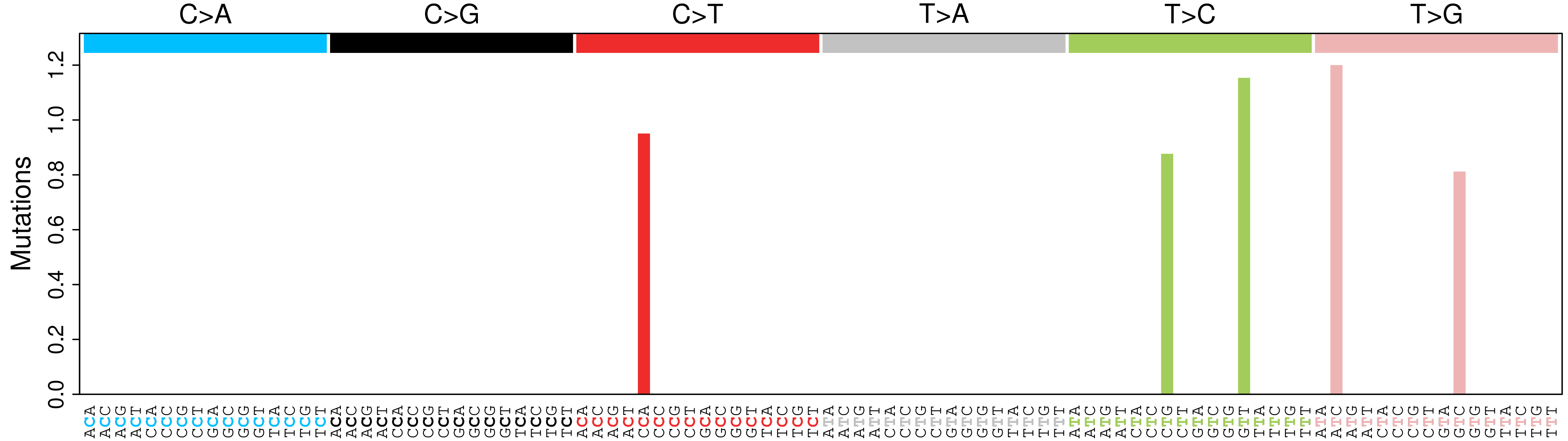
CATD0112a (3 mutations)



CATD0412a (2 mutations)



CATD0110a (5 mutations)



CATD0117a (3 mutations)

C>A

C>G

C>T

T>A

T>C

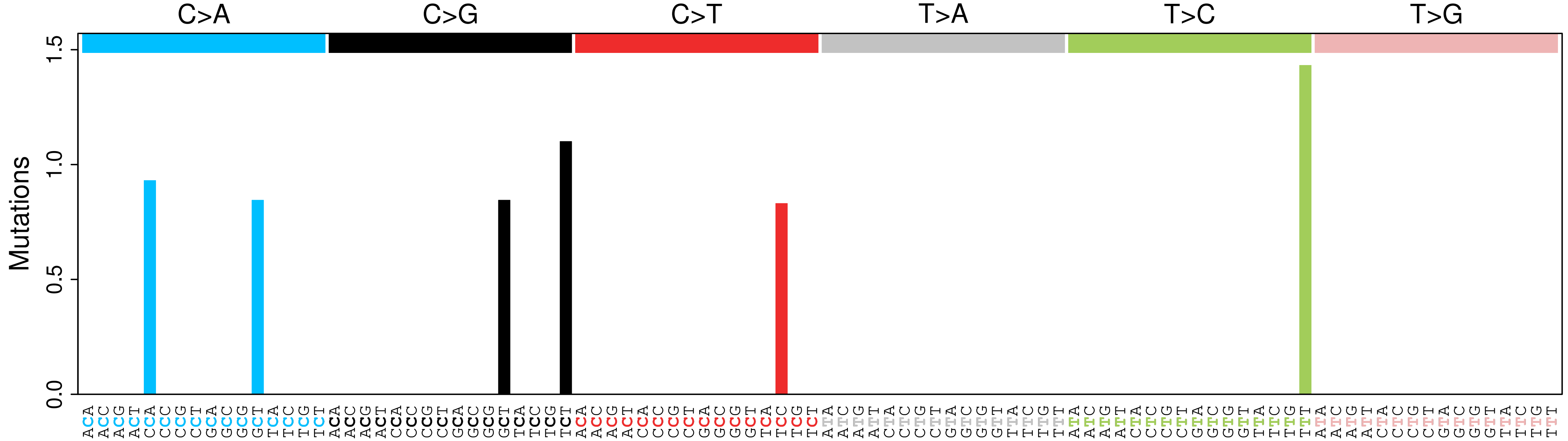
T>G

Mutations

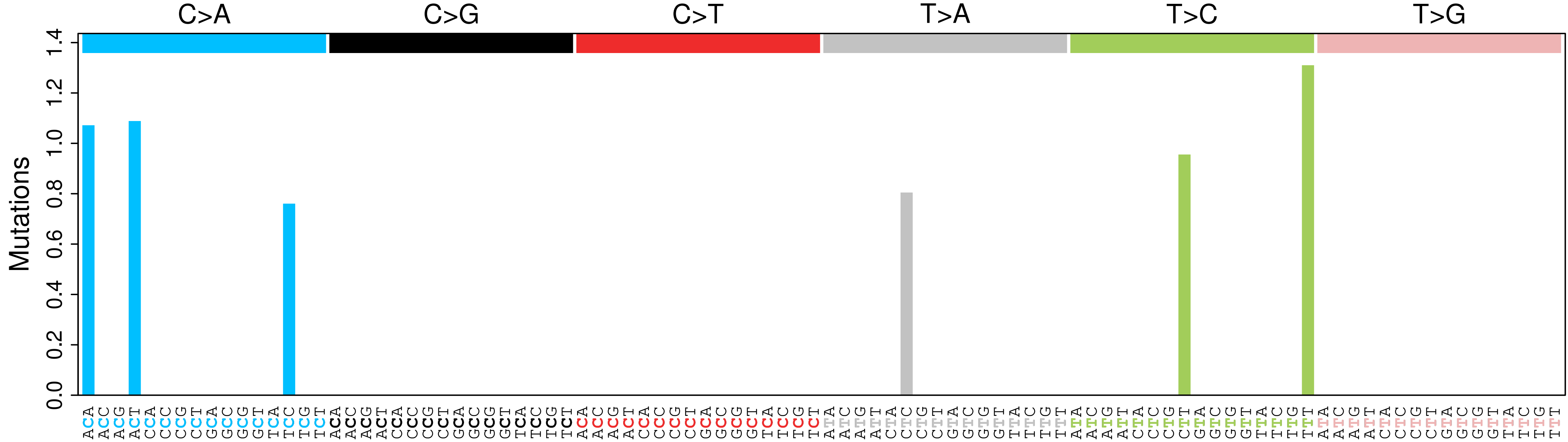
1.2
1.0
0.8
0.6
0.4
0.2
0.0

A C A C A C C C C G C A G C C G G G T T C A T C C T T A C A C C A C G A C T C C A C C C G C C T G C A G C G G C T T C A T C C T C G T A T C A T G A T T A C T C C T G T A G T C G T G T G T T A T C A T G A T A C C T C C T G T A C G T A C G T A C C T C G T A C G T T A C G T T T

CATD0084a (6 mutations)



CATD0081a (6 mutations)



CATD0092a (3 mutations)

$C > A$

$C > G$

$C > T$

T > A

$T > C$

T > G

Mutations

1.2

80

0.4

0.0

[illegible]

CATD0111a (5 mutations)

C>A

C>G

C>T

T>A

T>C

T>G

Mutations

1.5

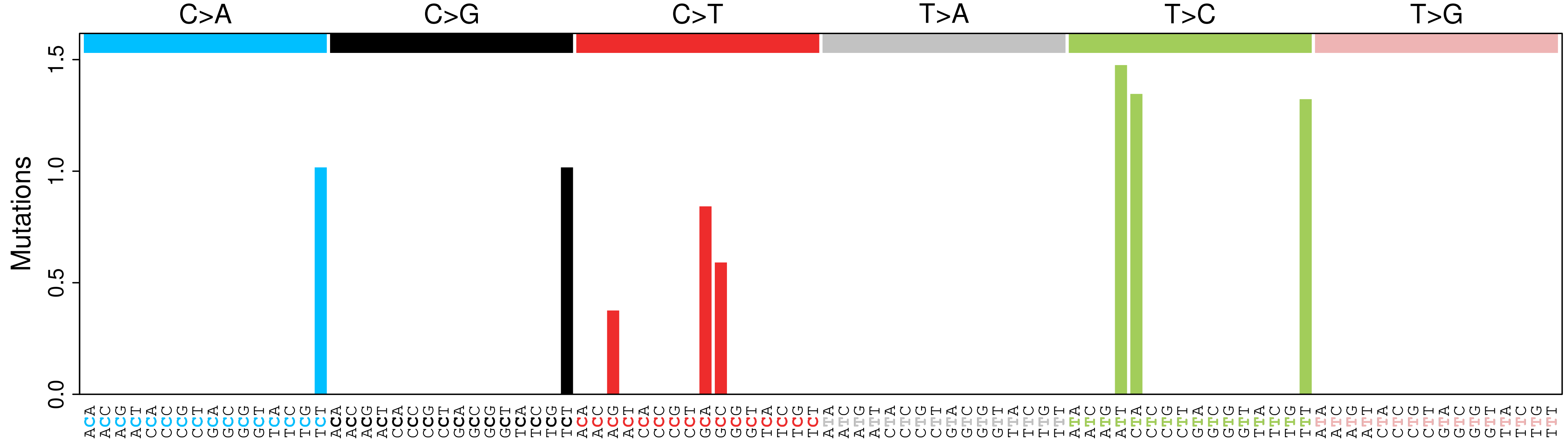
1.0

0.5

0.0

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

CATD0114a (8 mutations)



CATD0103a (13 mutations)

C > A

C > G

$C > T$

T > A

$$T > C$$

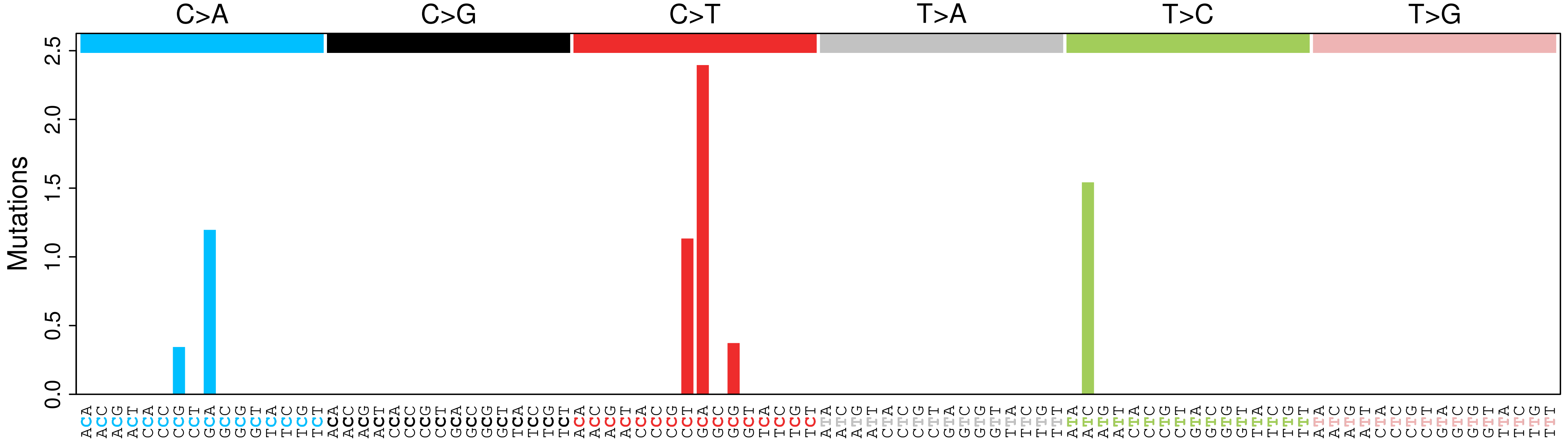
$T > G$

Mutations

0.0 0.5 1.0 1.5 2.0

[illegible]

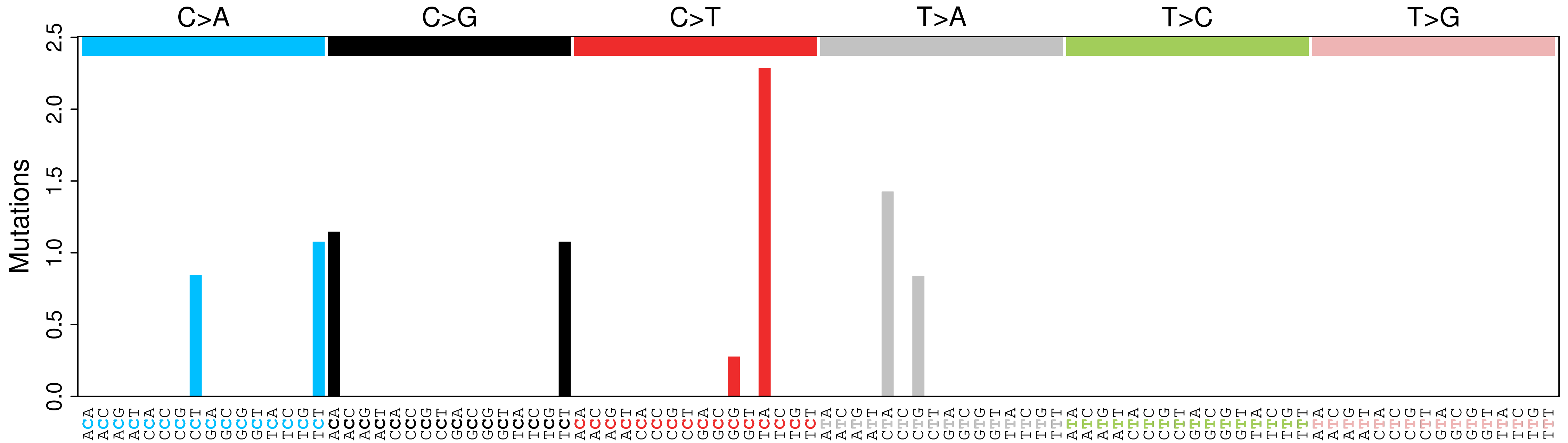
CATD0099a (7 mutations)



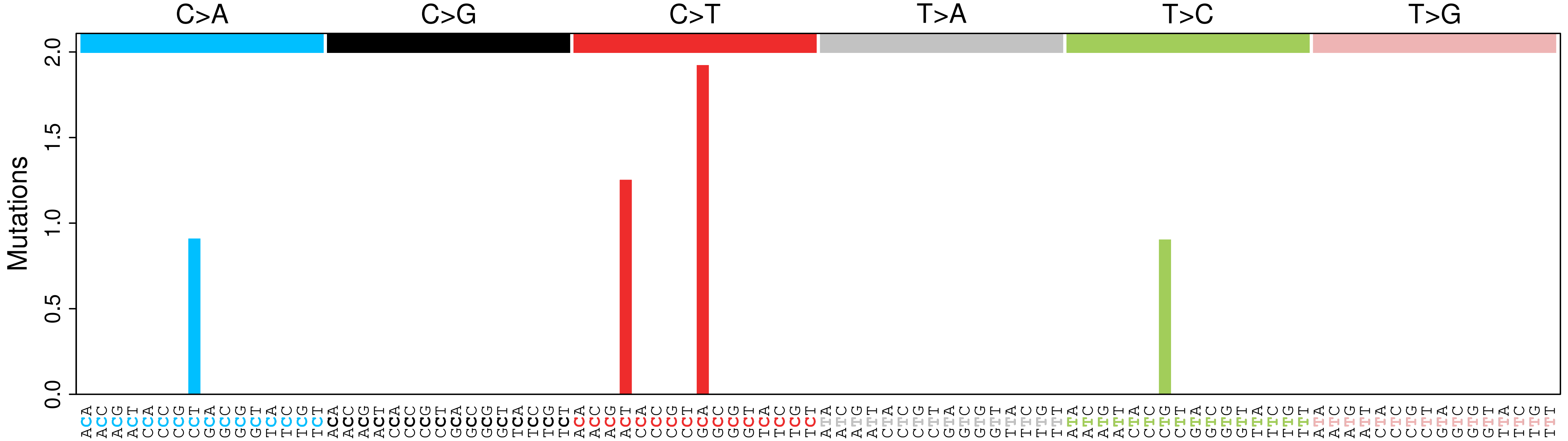
CATD0091a (6 mutations)



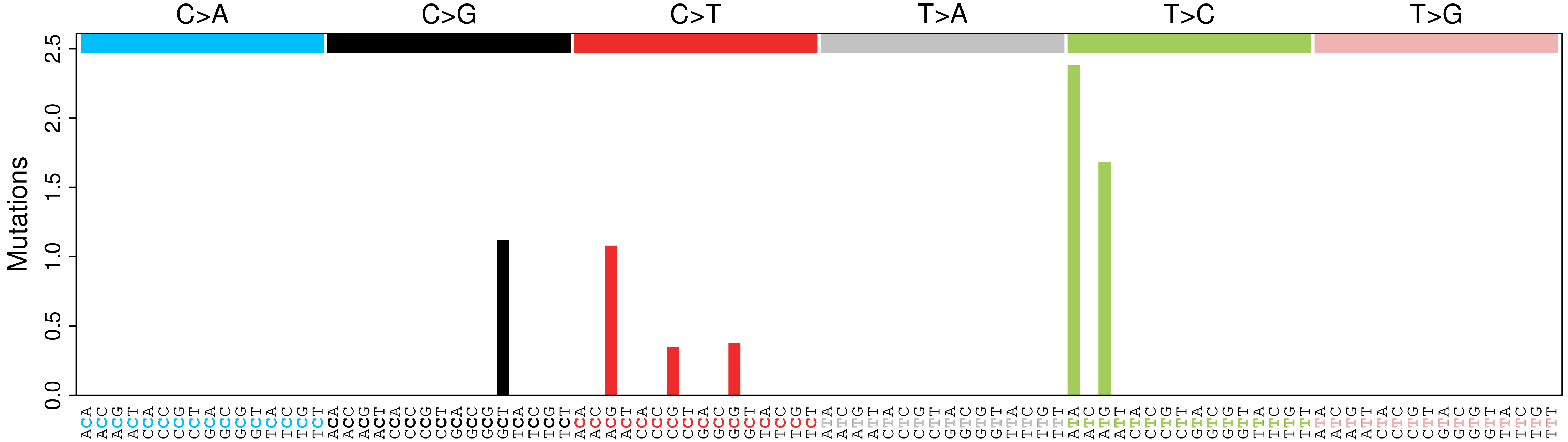
CATD0086a (9 mutations)



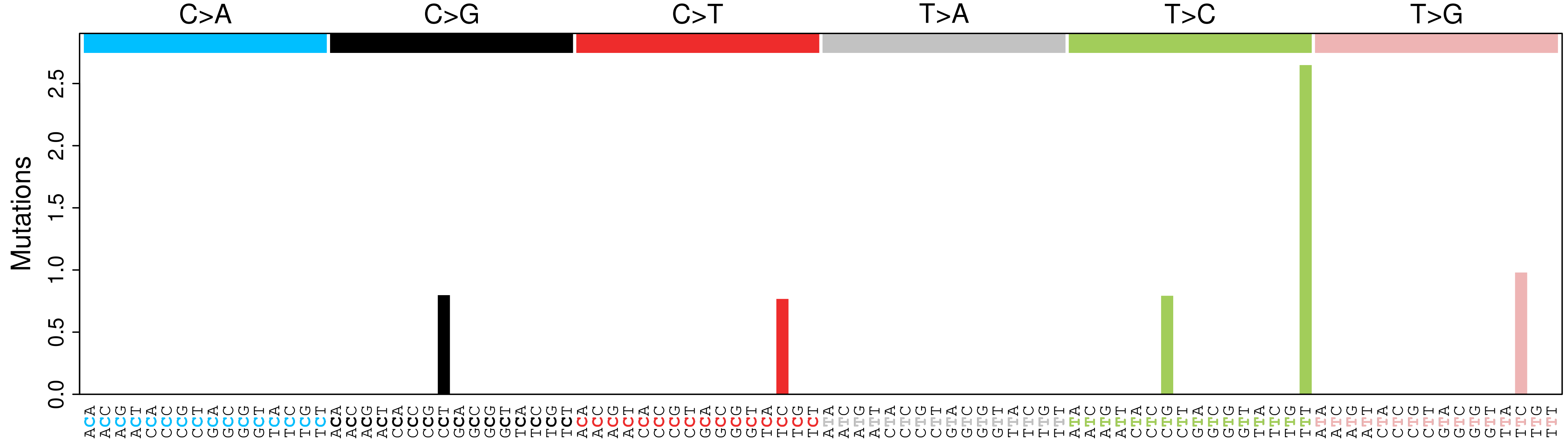
CATD0405a (5 mutations)



CATD188a (7 mutations)



CATD0401a (6 mutations)



CATD0096a (2 mutations)

C>A

C>G

C>T

T>A

T>C

T>G

Mutations

1.0
0.8
0.6
0.4
0.2
0.0

ACA
ACC
ACG
ACT
CCA
CCC
CCG
CCT
GCA
GCC
GGG
GCT
TCA
TCC
TCG
TCT
ACA
ACC
ACG
ACT
CCA
CCC
CCG
CCT
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GCC
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GTG
GTT
TTA
TTC
TTG
TTT
ATA
ATC
ATG
ATT
CTA
CTC
CTG
CTT
GTA
GTC
GTG
GTT
TTA
TTC
TTG
TTT

CATD0411a (6 mutations)

C>A

C>G

C>T

T>A

T>C

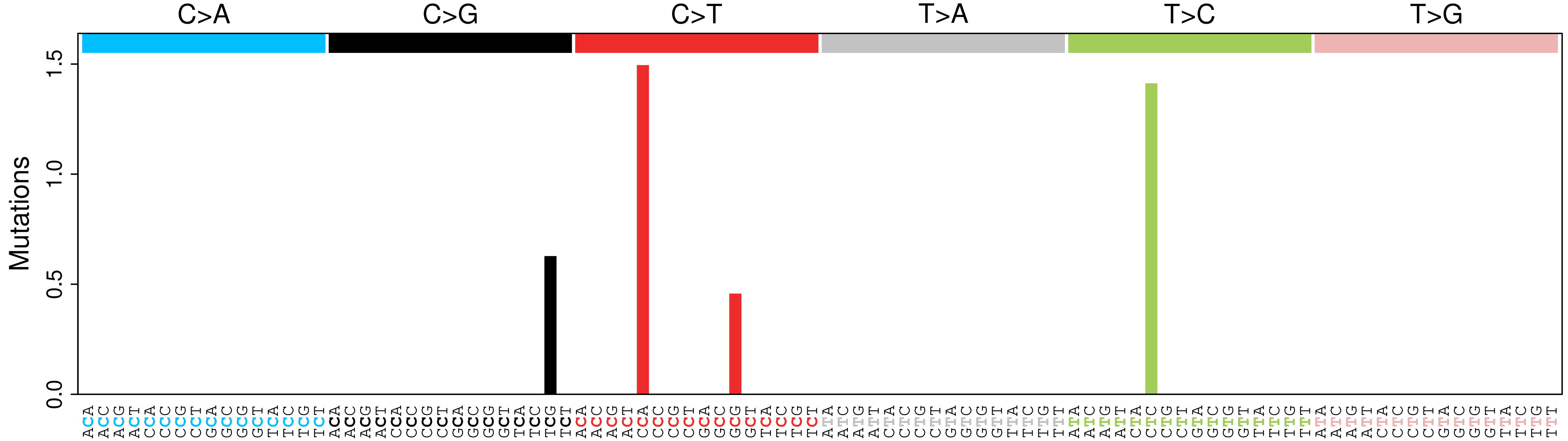
T>G

Mutations

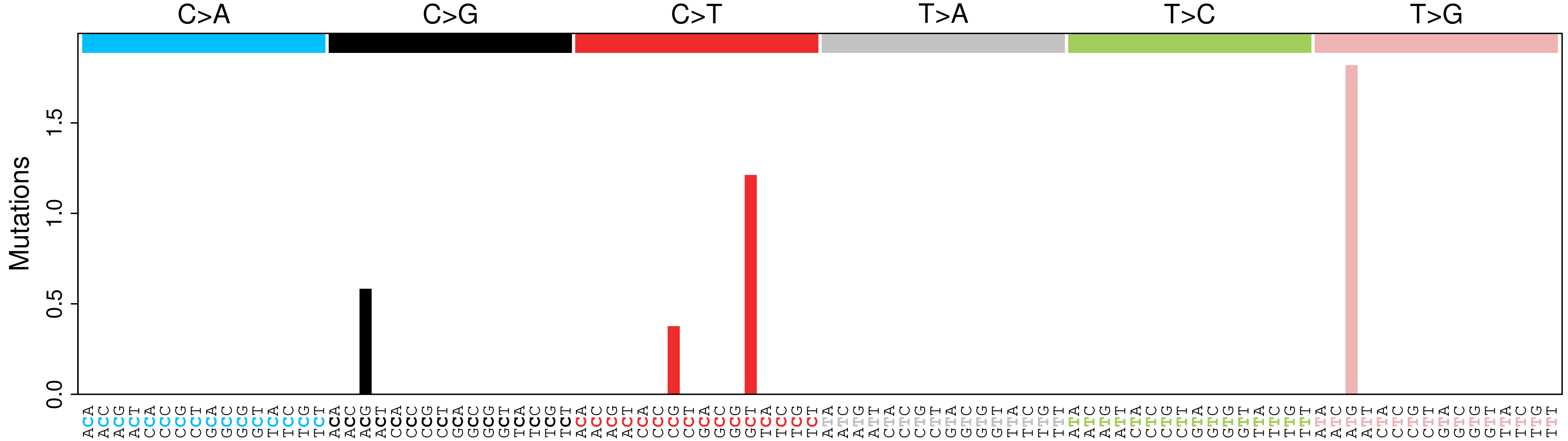
1.5
1.0
0.5
0.0

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

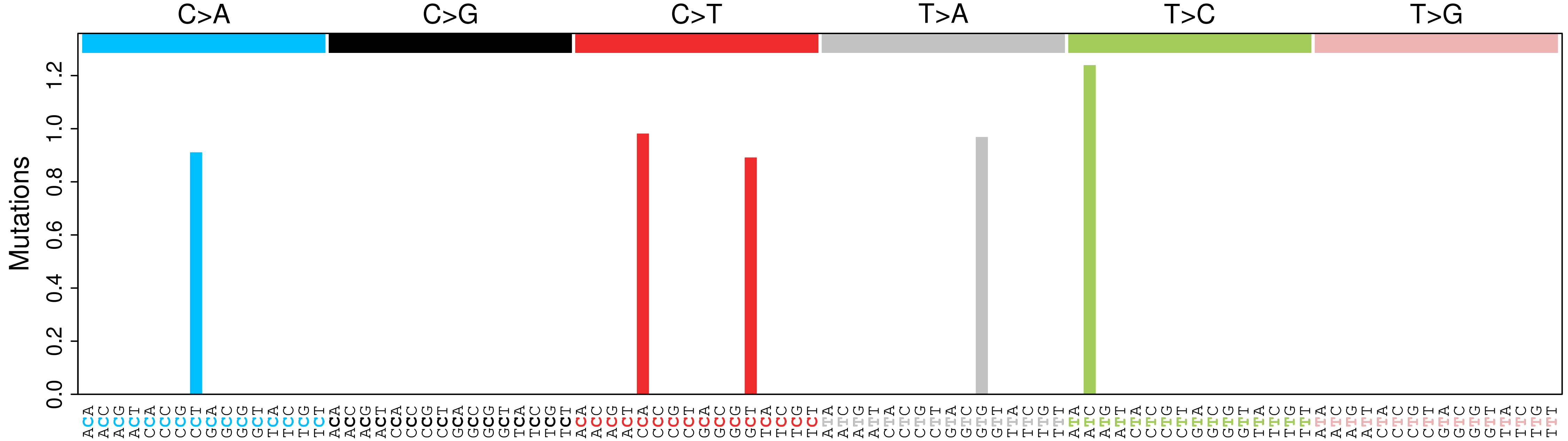
CATD0113a (4 mutations)



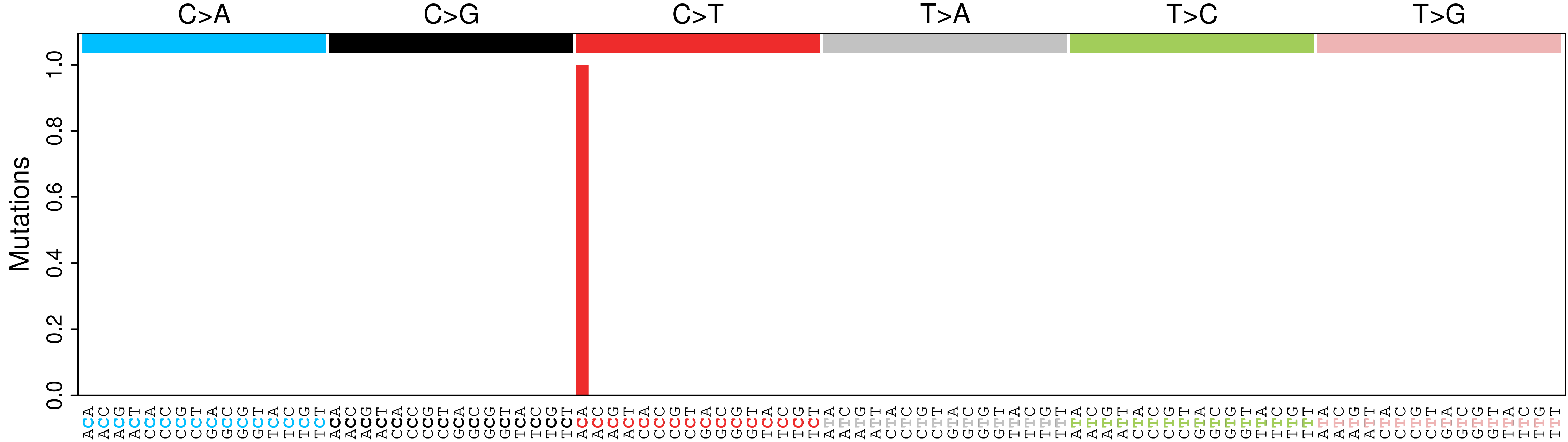
CATD0403a (4 mutations)



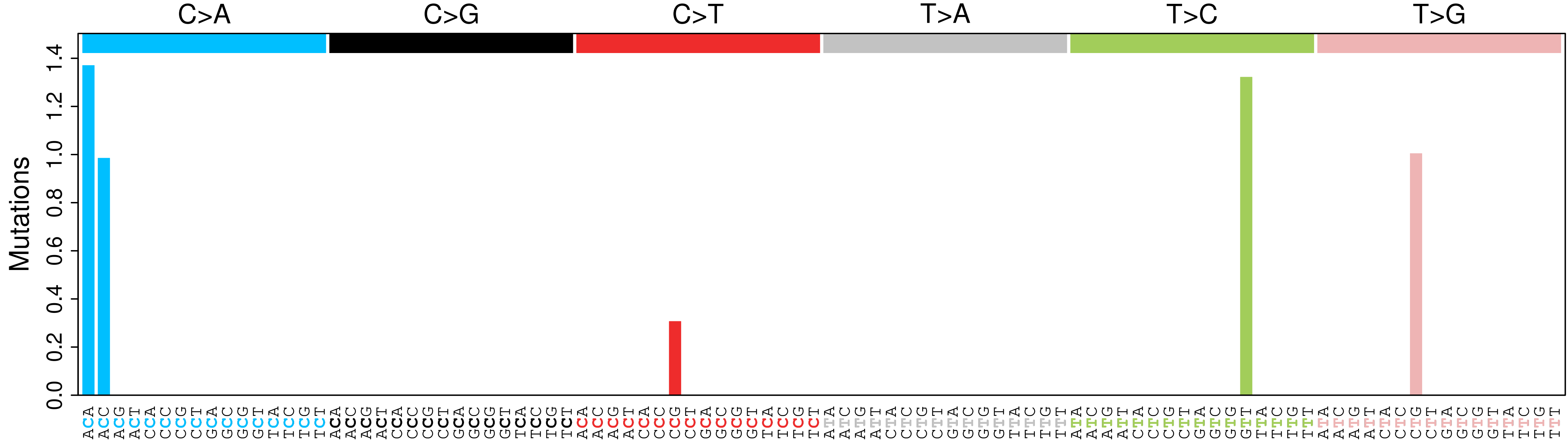
CATD0085a (5 mutations)



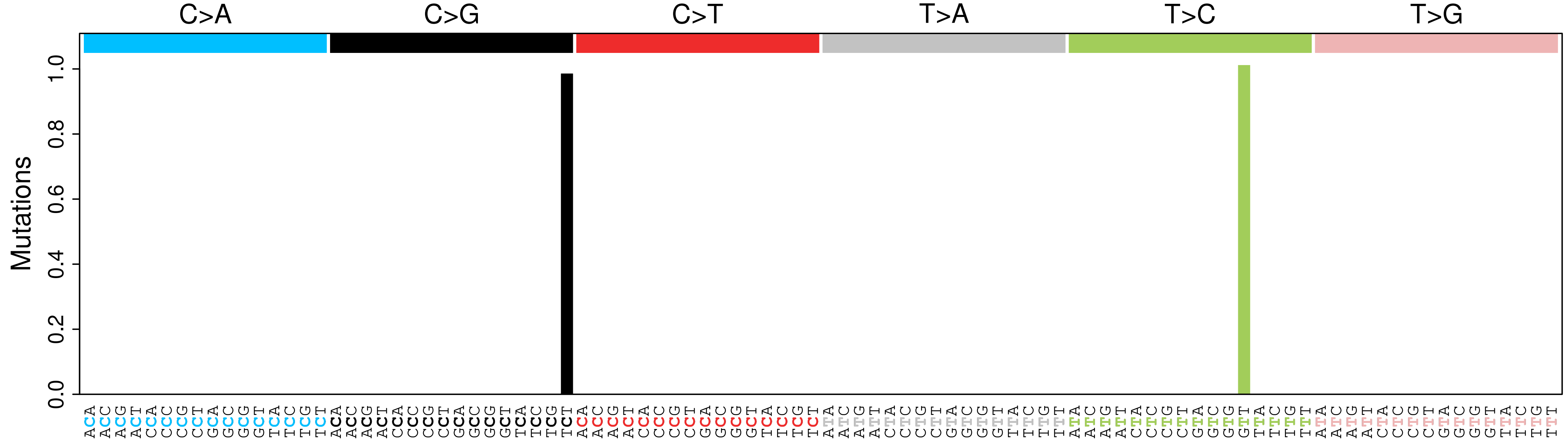
CATD0109a (1 mutations)



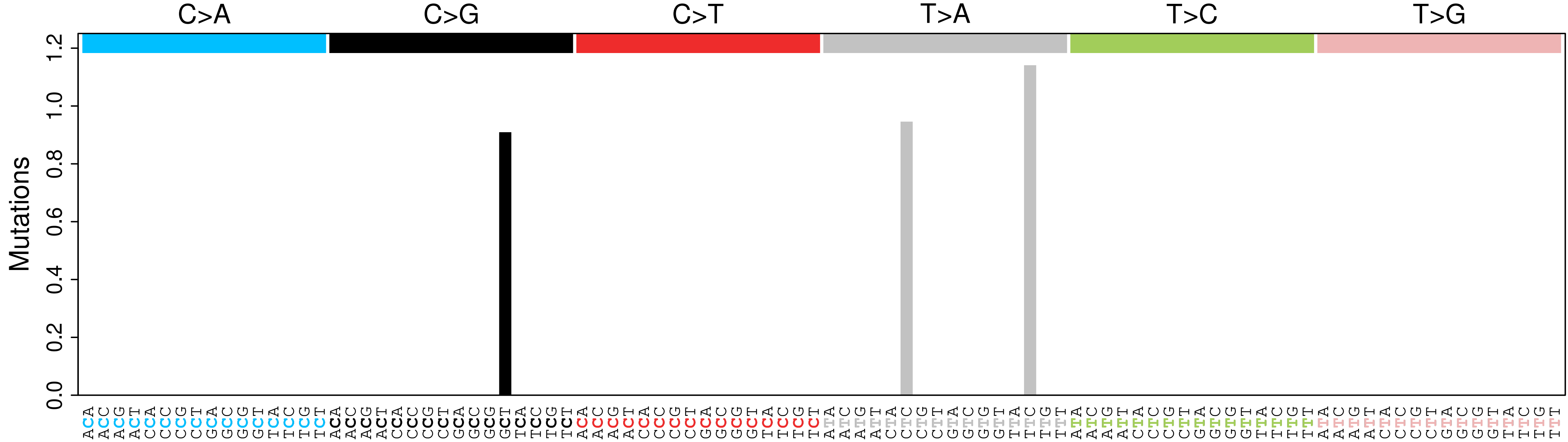
CATD0415a (5 mutations)



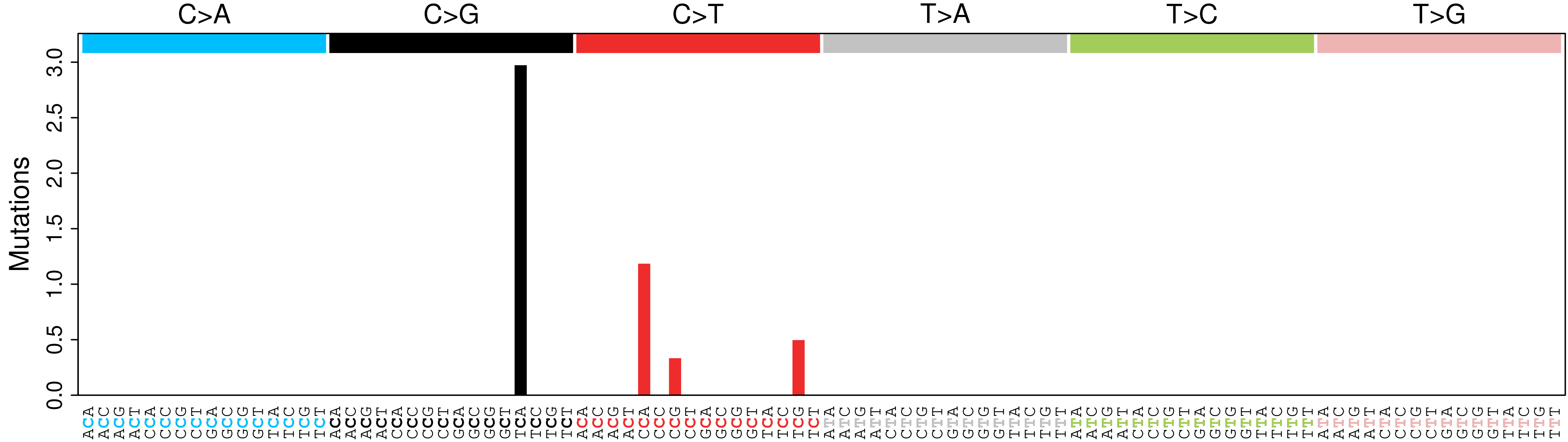
CATD191a (2 mutations)



CATD0093a (3 mutations)



CATD0407a (5 mutations)



CATD0413a (2 mutations)

C > A

C > G

$C > T$

T > A

$$T > C$$

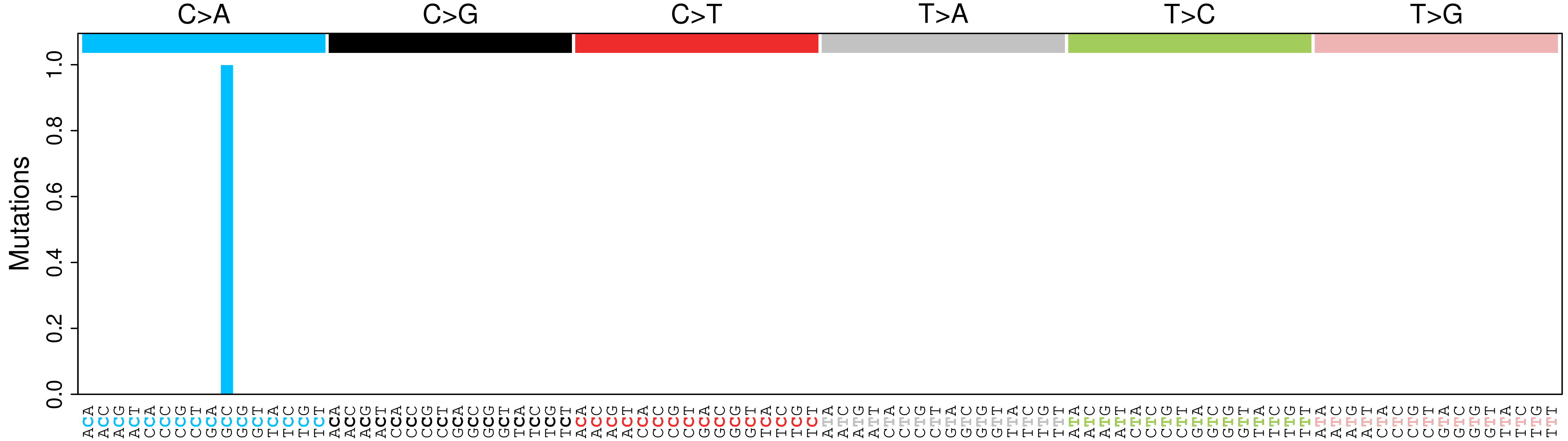
T>G

Mutations

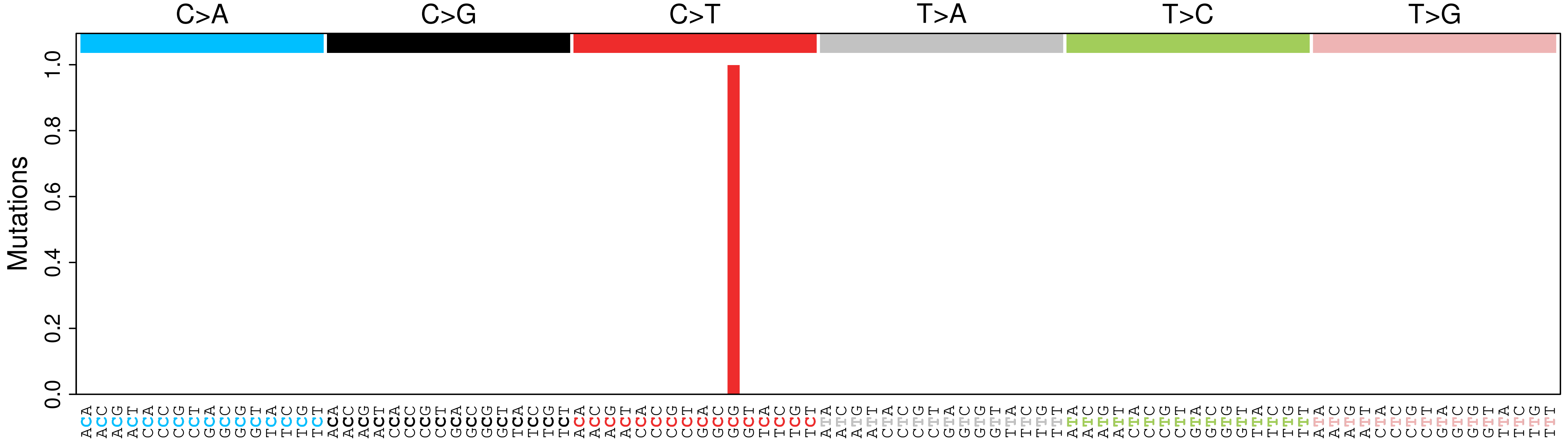
0.0 0.2 0.4 0.6 0.8 1.0

[illegible]

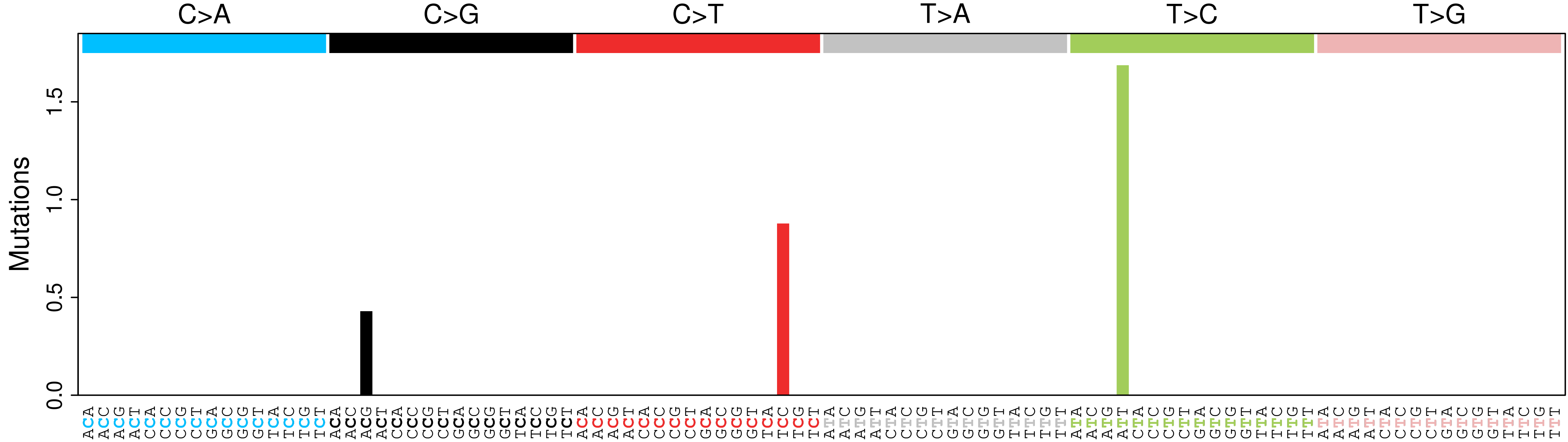
CATD0116a (1 mutations)



CATD0406a (1 mutations)



CATD0089a (3 mutations)



CATD0115a (2 mutations)

$C > A$

$C > G$

$C > T$

T > A

$T > C$

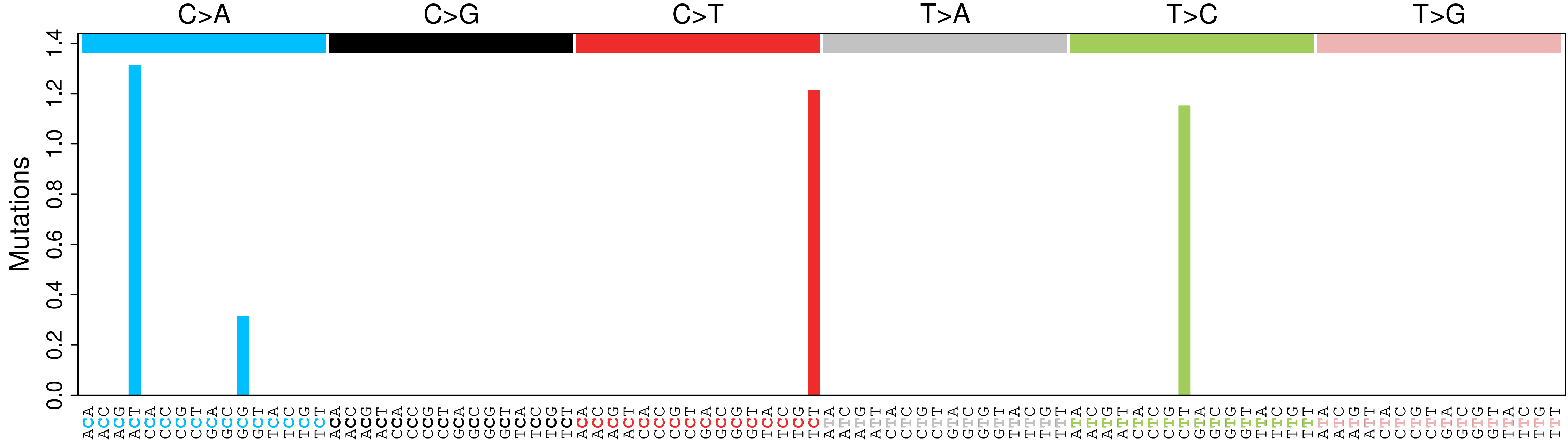
T > G

Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

[illegible]

CATD0098a (4 mutations)



CATD0402a (3 mutations)

C > A

C > G

$C > T$

T > A

$$T > C$$

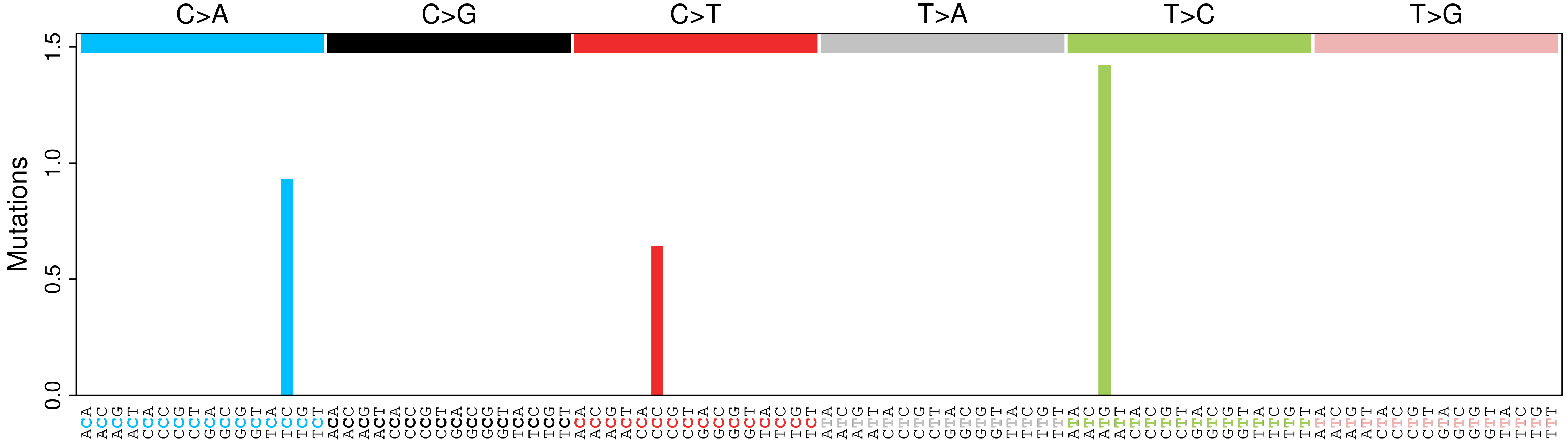
T > G

Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

[illegible]

CATD0404a (3 mutations)



CATD0408a (4 mutations)

