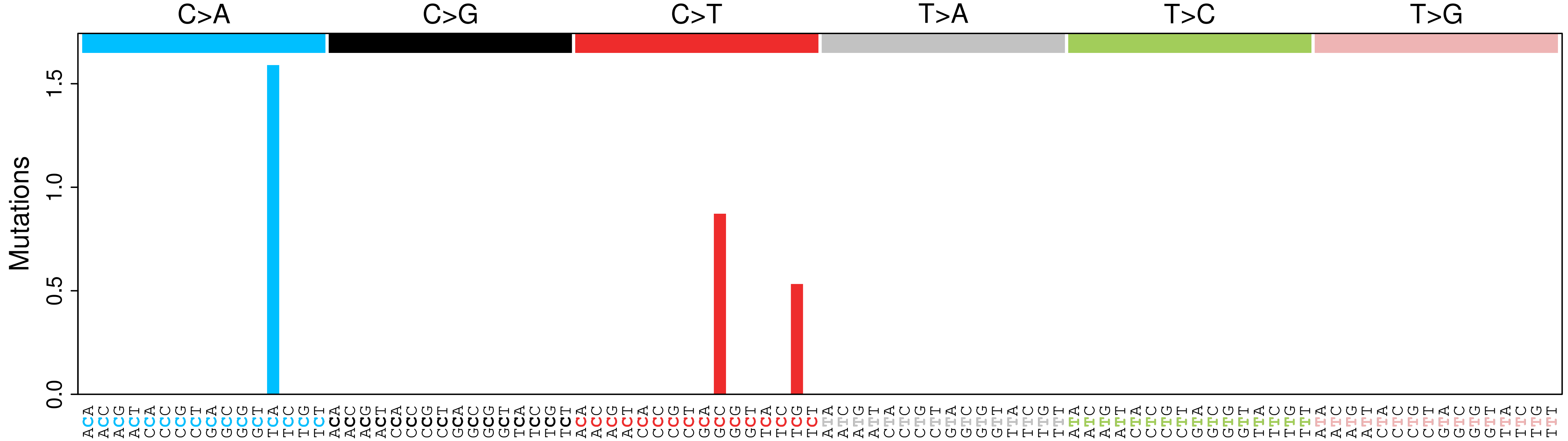
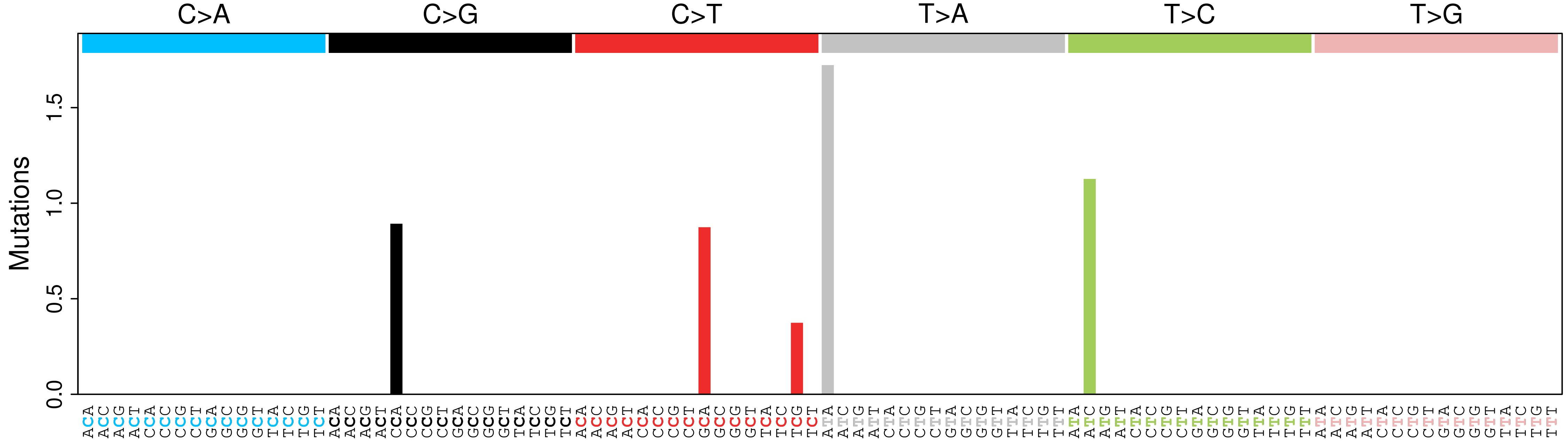


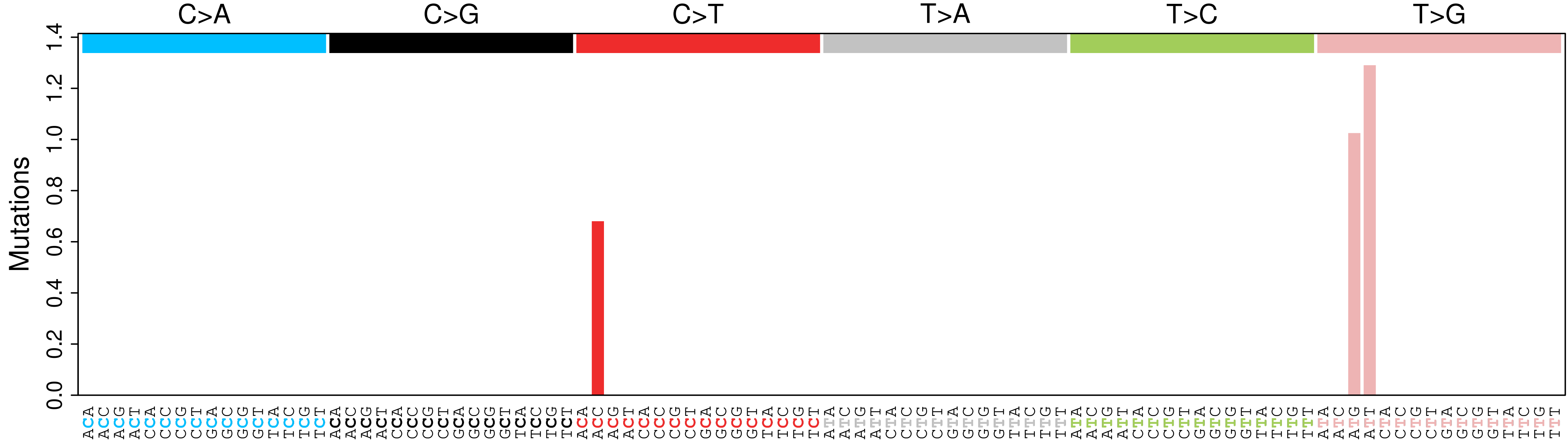
CATD0511a (3 mutations)



CATD0518a (5 mutations)



CATD0524a (3 mutations)



CATD0515a (6 mutations)

C>A

C>G

C>T

T>A

T>C

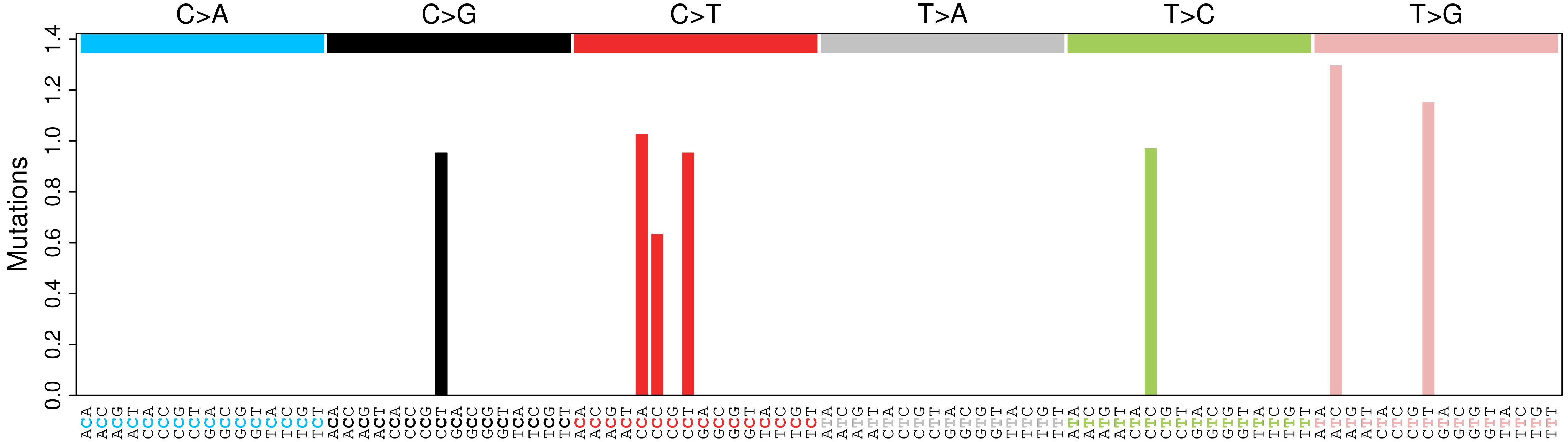
T>G

Mutations

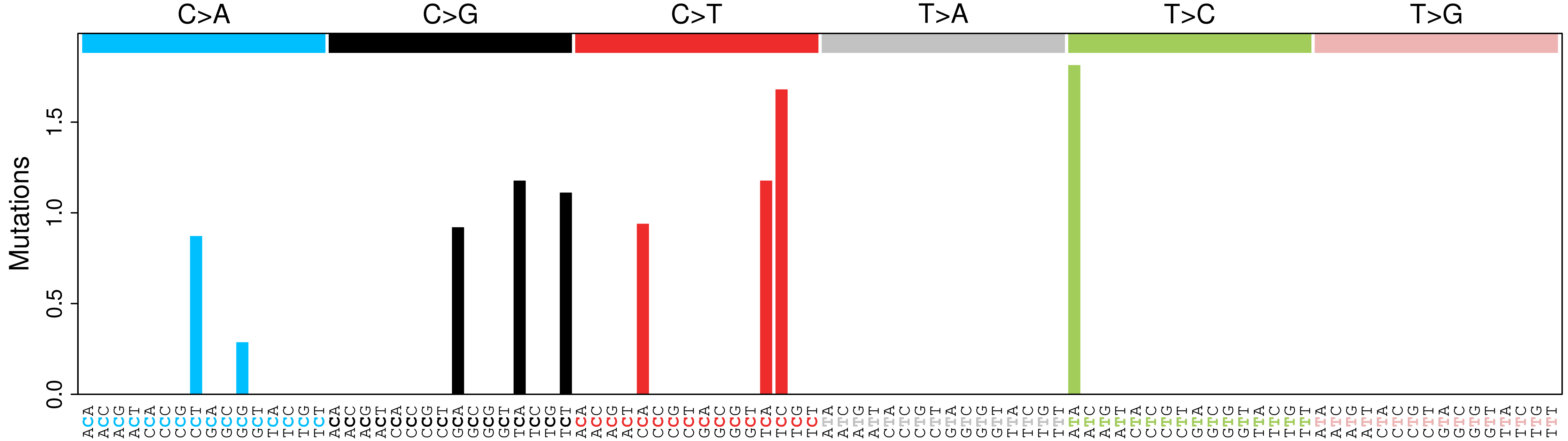
1.5
1.0
0.5
0.0

ACA
ACC
ACG
ACT
CCA
CCC
CCG
CCT
GCA
GCC
GGG
GCT
TCA
TCC
TCG
TCT
ACA
ACC
ACG
ACT
CCA
CCC
CCG
CCT
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GCT
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TCC
TCG
TCT
ACA
ACC
ACG
ACT
CCA
CCC
CCG
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GCA
GCC
GGG
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GTA
GTC
GTT
GTT
TTA
TTC
TTG
TTT

CATD196a (7 mutations)



CATD205a (10 mutations)



CATD192a (2 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.2

1.0

3.0

0.9.

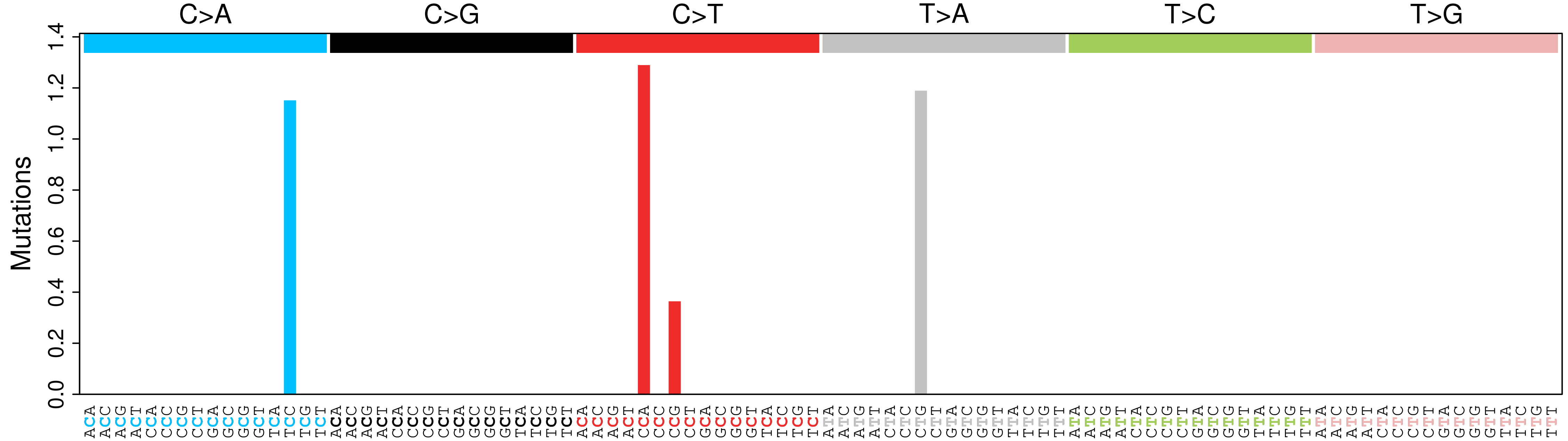
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0.

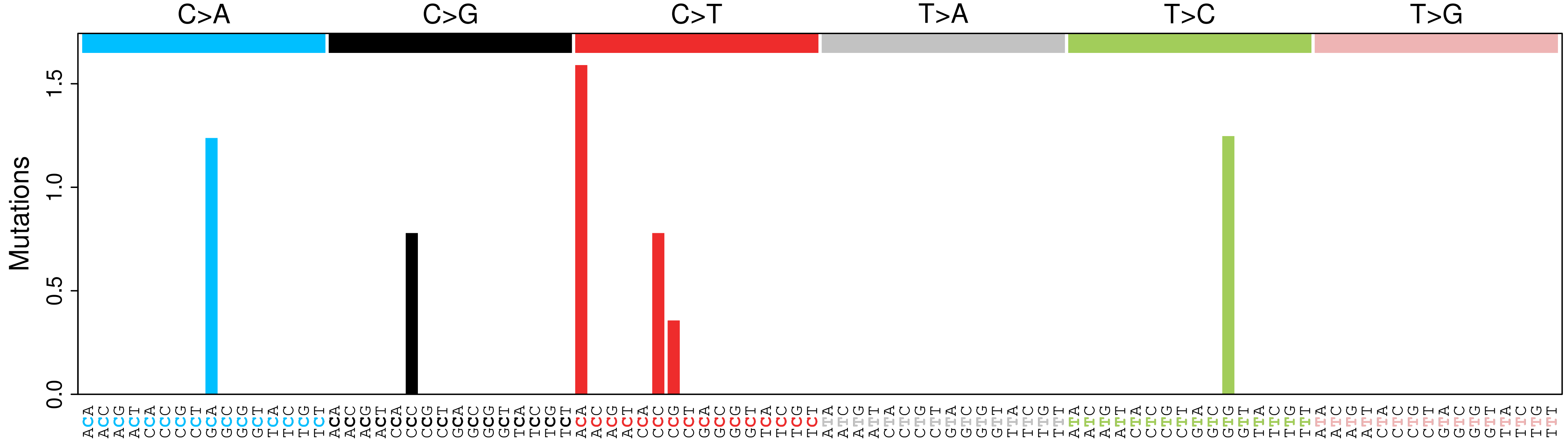
0

[illegible]

CATD0519a (4 mutations)



CATD0517a (6 mutations)



CATD210a (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

ACA ACC AGT ACT CCA CCC CGT GCA GCC GGT TCA TCC TCG TCT ACA ACC AGT ACT CCA CCC CGT GCA GCC 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

CATD212a (5 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 GGT GCT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT 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 TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA TTC TTG TTT

CATD209a (3 mutations)

C>A

C>G

C>T

T>A

T>C

T>G

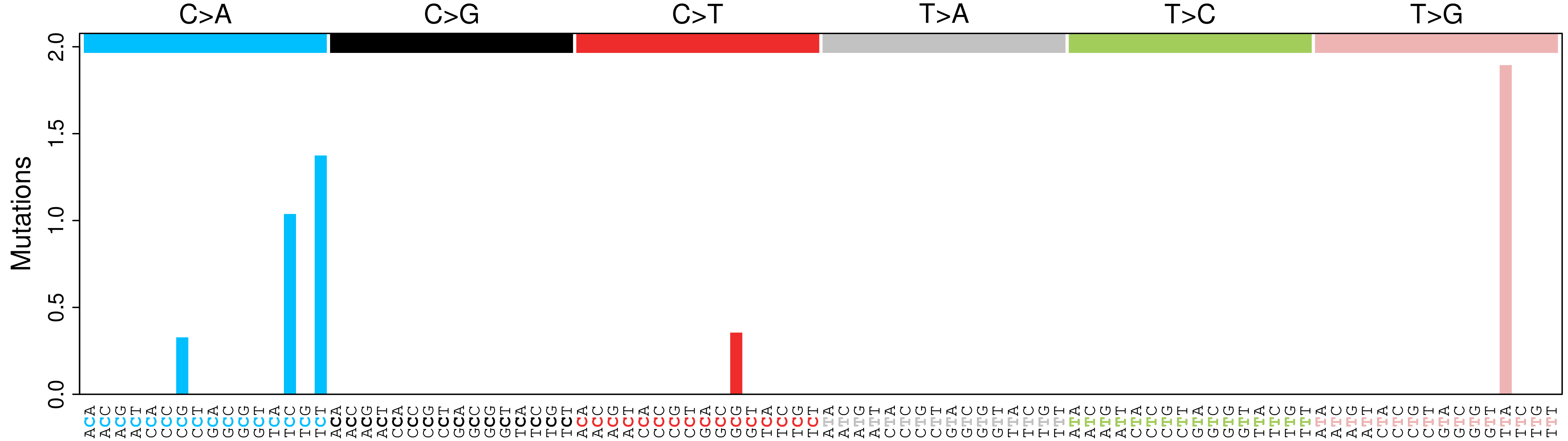
Mutations

1.2
1.0
0.8
0.6
0.4
0.2
0.0

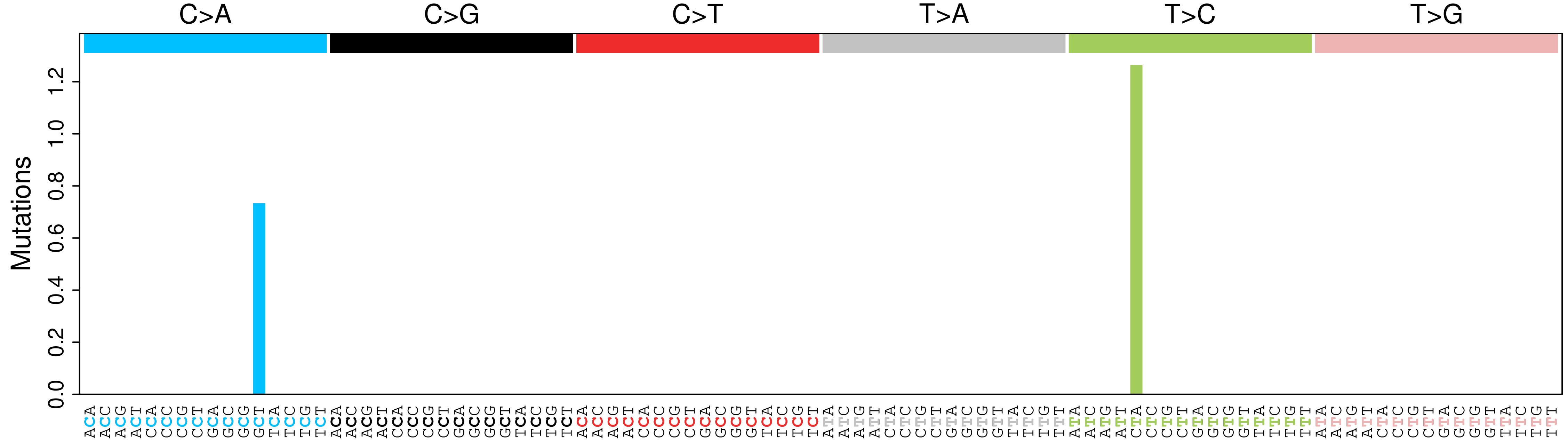
ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GGT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GCG GGT TCA TCC TCG TCT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTG GTT TTA TTC TTG TTT ATC ATG ATT CTA CTC CTG CTT GTA GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CTA CTC CTG CTT GTA GTG GTT TTA TTC TTG TTT



CATD206a (5 mutations)



CATD0513a (2 mutations)



CATD0509a (3 mutations)

$C > A$

$C > G$

$C > T$

T > A

$T > C$

T > G

Mutations

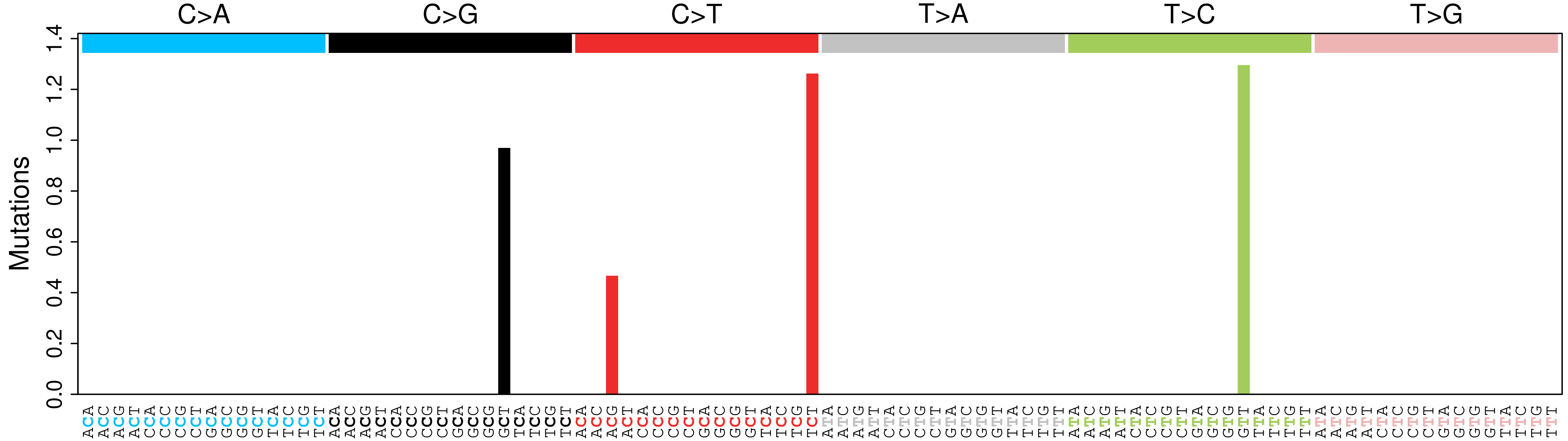
2.0

1

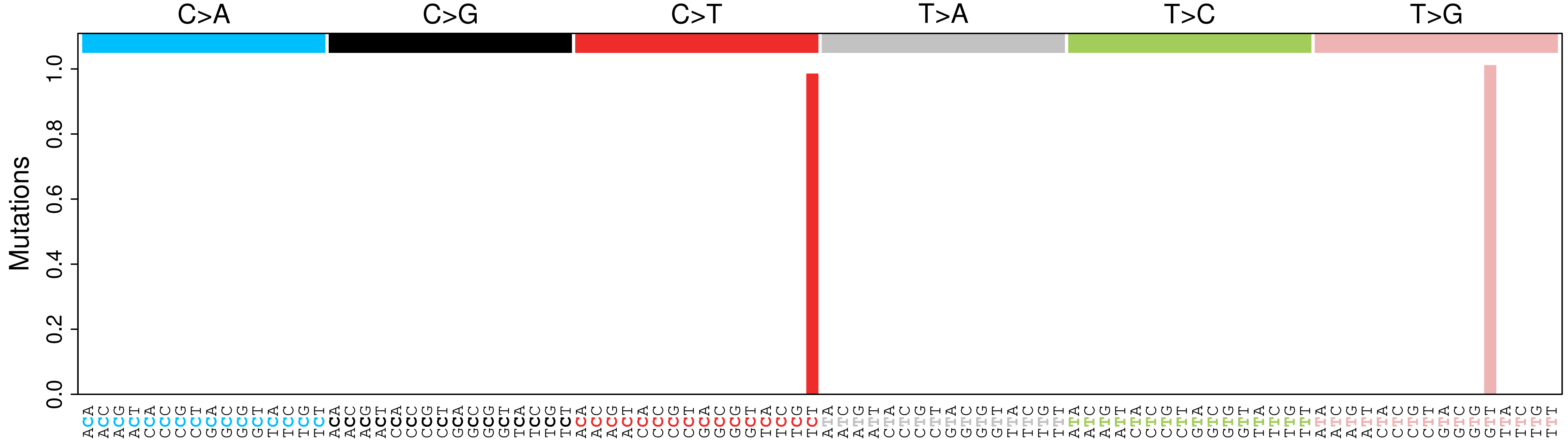
0.0

[illegible]

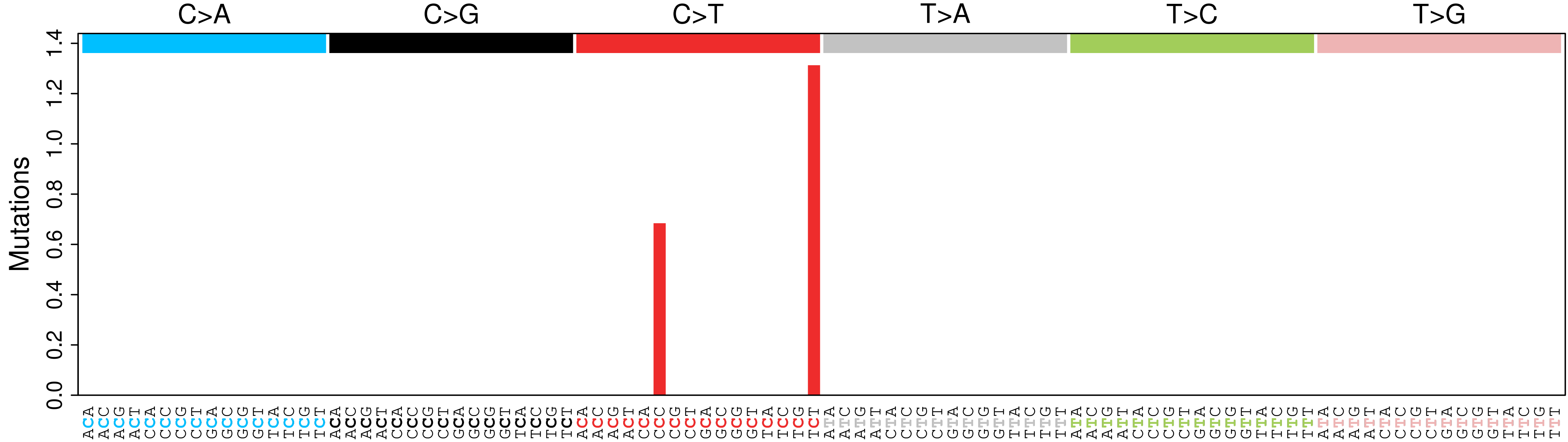
CATD203a (4 mutations)



CATD0533a (2 mutations)



CATD0534a (2 mutations)



CATD199a (1 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]

CATD207a (1 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.0

0

C

0

0.0

[illegible]

CATD197a (2 mutations)

$C > A$

$C > G$

$C > T$

$T > A$

 $T > C$

T>G

Mutations

1.5

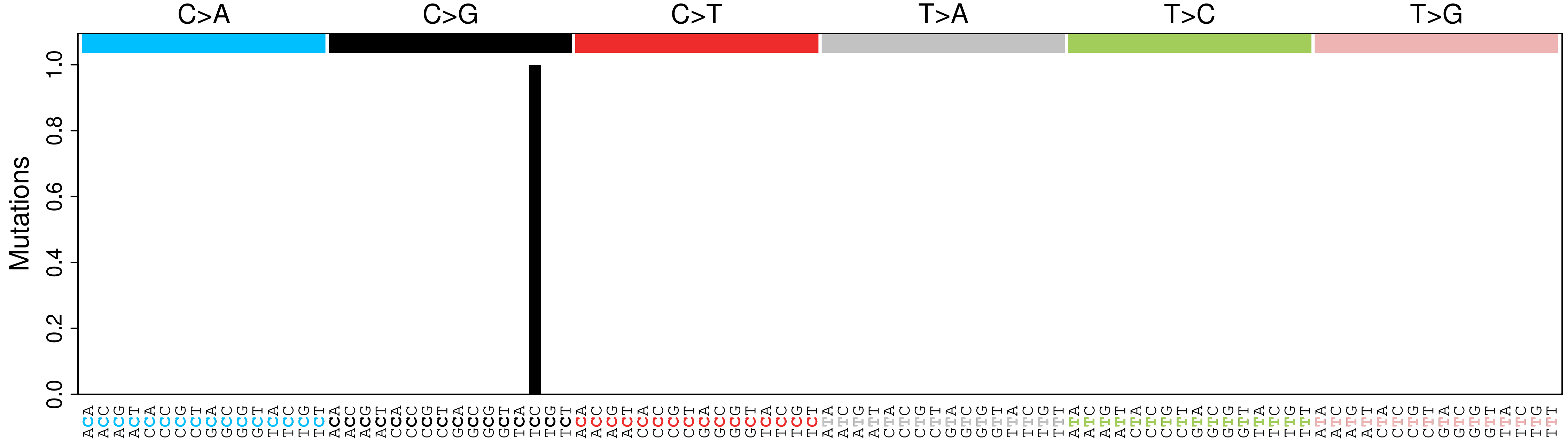
—

0.5

0.0

[illegible]

CATD0512a (1 mutations)



CATD200a (4 mutations)

