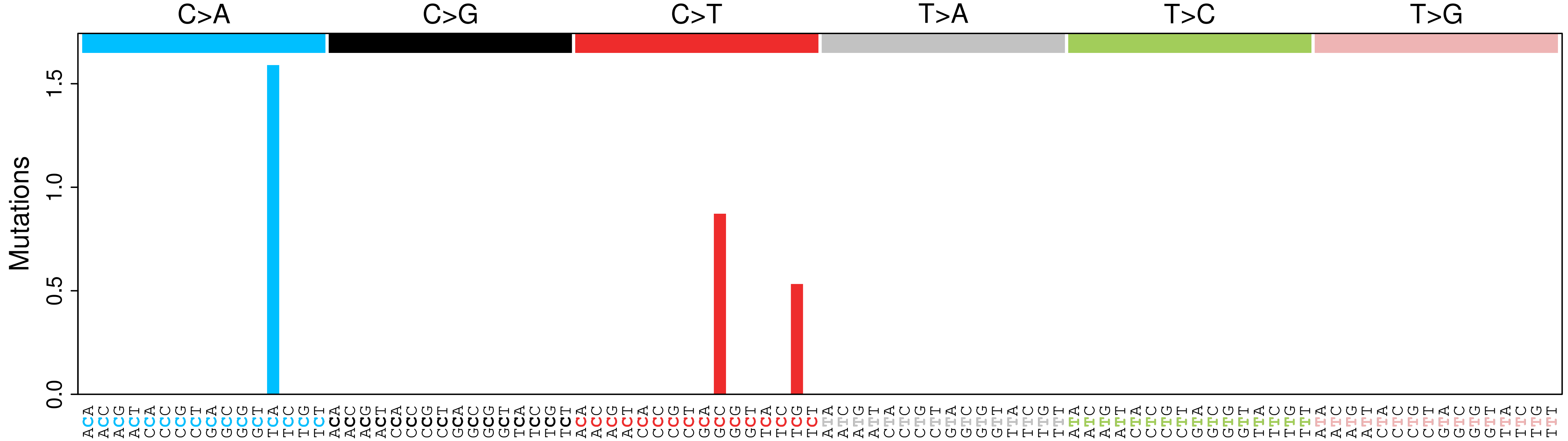
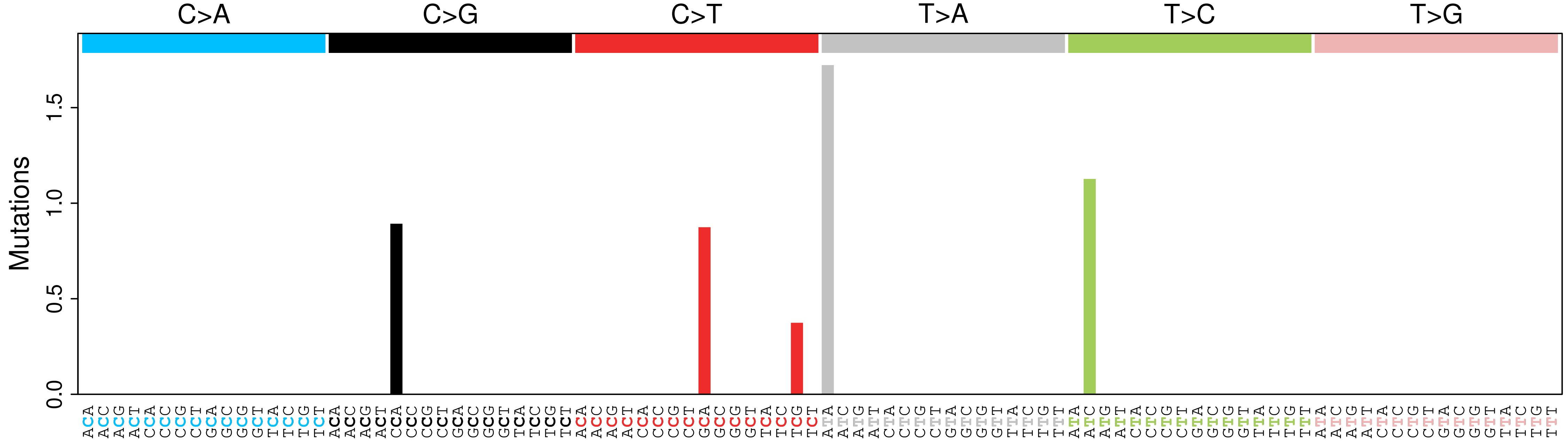


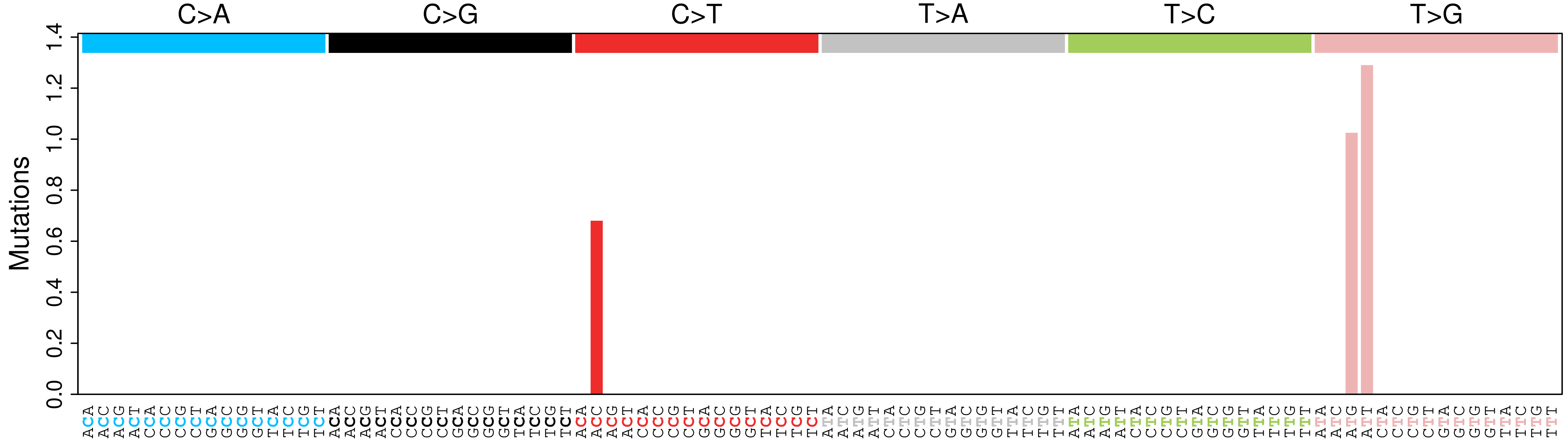
CATD0511a (3 mutations)



CATD0518a (5 mutations)



CATD0524a (3 mutations)



CATD0515a (6 mutations)

C>A

C>G

C>T

T>A

T>C

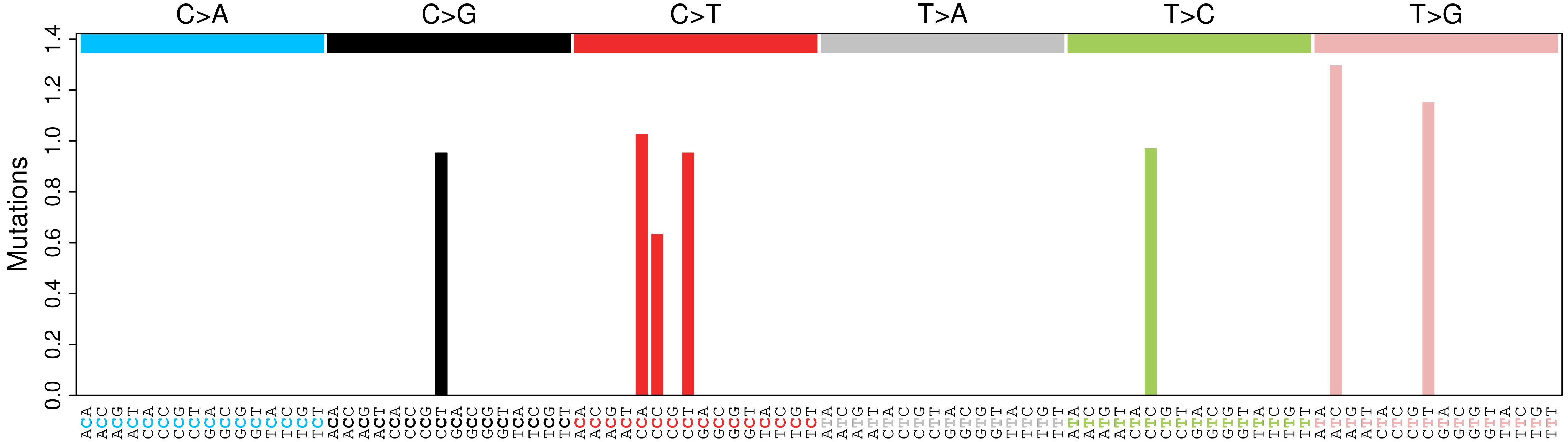
T>G

Mutations

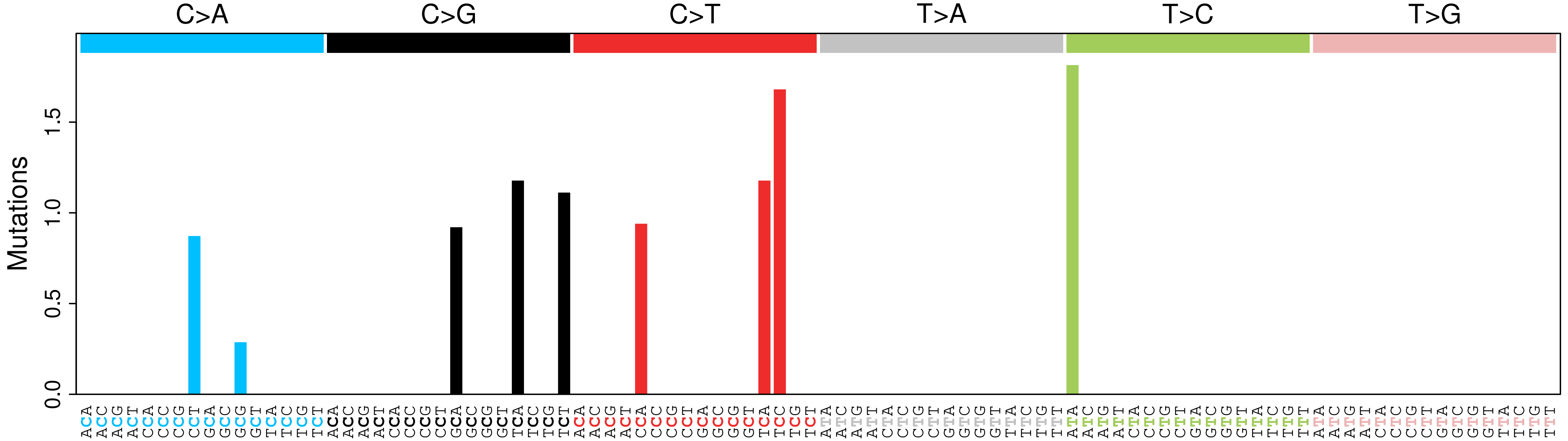
1.5
1.0
0.5
0.0

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

CATD196a (7 mutations)



CATD205a (10 mutations)



CATD193a (3 mutations)

$C > A$

C > G

$C > T$

T > A

$$T > C$$

T>G

Mutations

1.5

■

T

0

○

[illegible]

CATD192a (2 mutations)

$C > A$

$C > G$

 $C > T$

$T > A$

$T > C$

T > G

Mutations

1.2

1.0

3.0

0

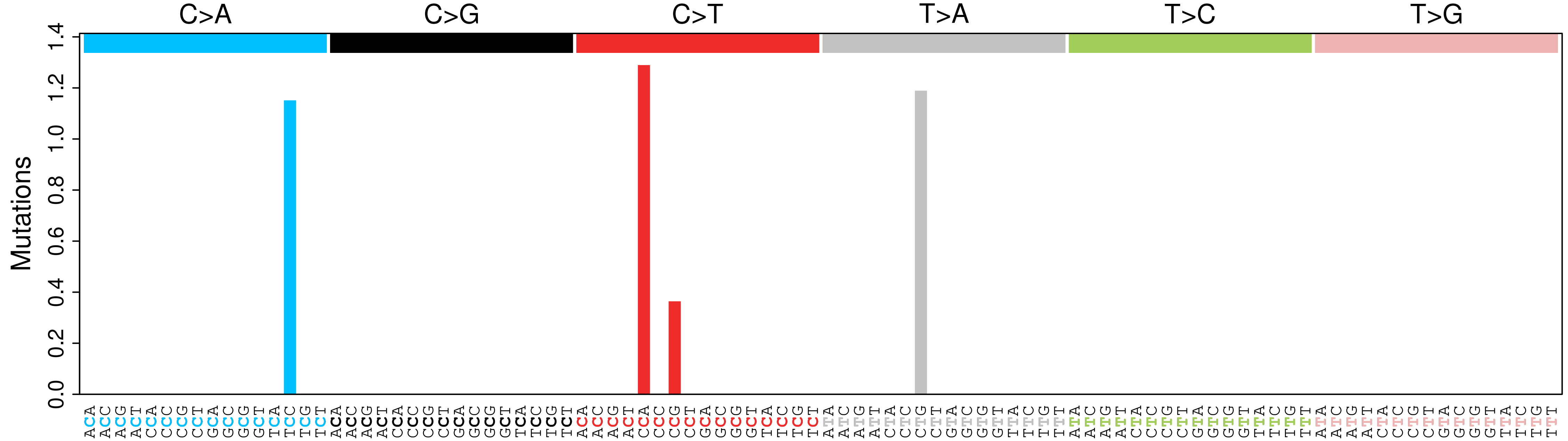
0

0

C

[illegible]

CATD0519a (4 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
ACG
ACT
CCA
CCC
CCG
CCT
GCA
GCC
GGG
GCT
TCA
TCC
TCG
TCT
ACA
ACC
ACG
ACT
CCA
CCC
CCG
CCT
GCA
GCC
GGG
GCT
TCA
TCC
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ATT
CTA
CTC
CTG
CTT
GTA
GTC
GTT
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 TCA TCG TCT TTA TTT

CATD209a (3 mutations)

C>A

C>G

C>T

T>A

T>C

T>G

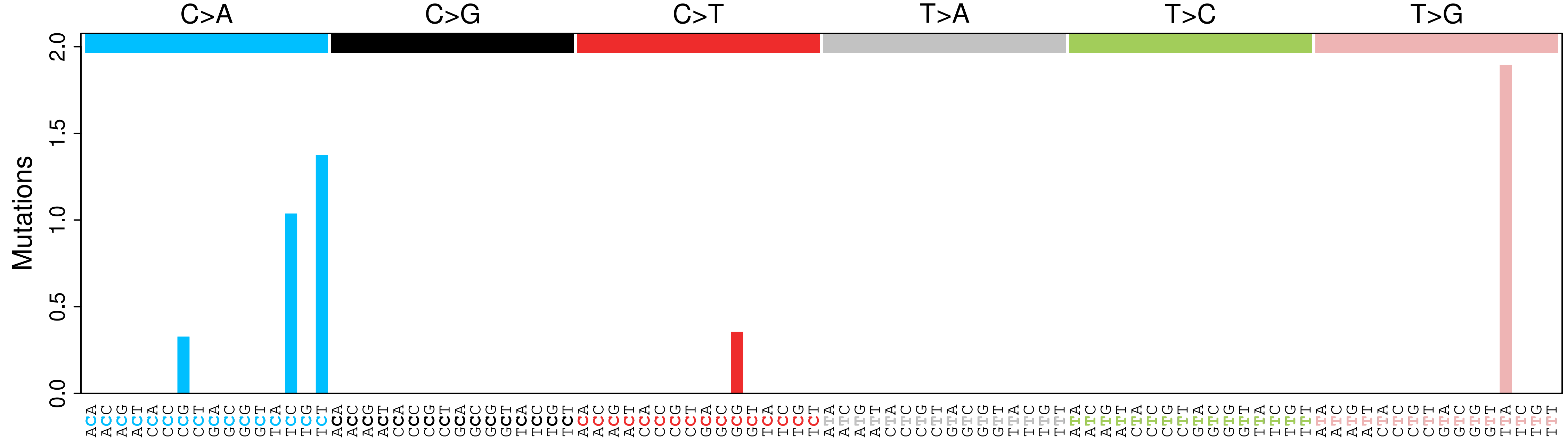
Mutations

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 ATC ATG ATT CTA CTC CTG CTT GTA GTG GTT TTA TTC TTG TTT



CATD206a (5 mutations)



CATD0513a (2 mutations)

$C > A$

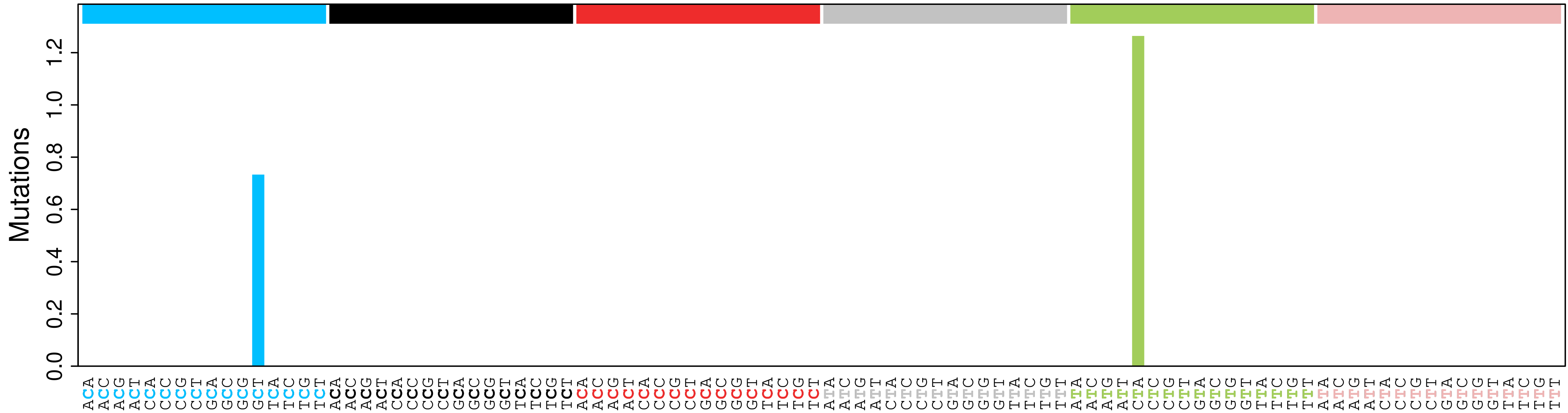
C > G

$$C > T$$

T > A

$$T > C$$

$T > G$



CATD0509a (3 mutations)

$C > A$

$C > G$

$C > T$

T > A

$T > C$

T > G

Mutations

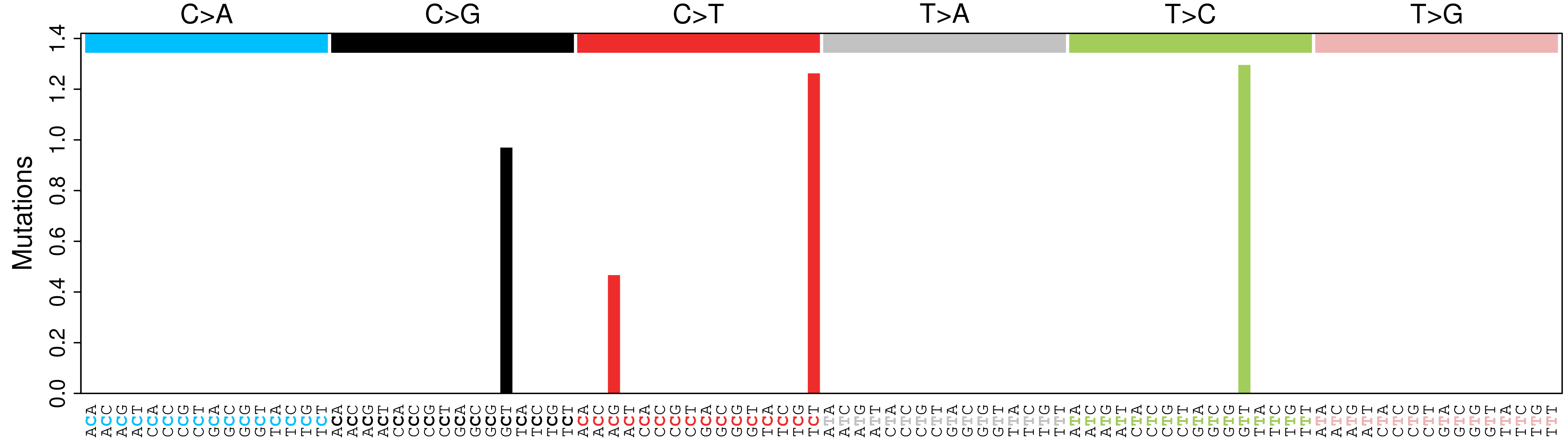
2.0

1

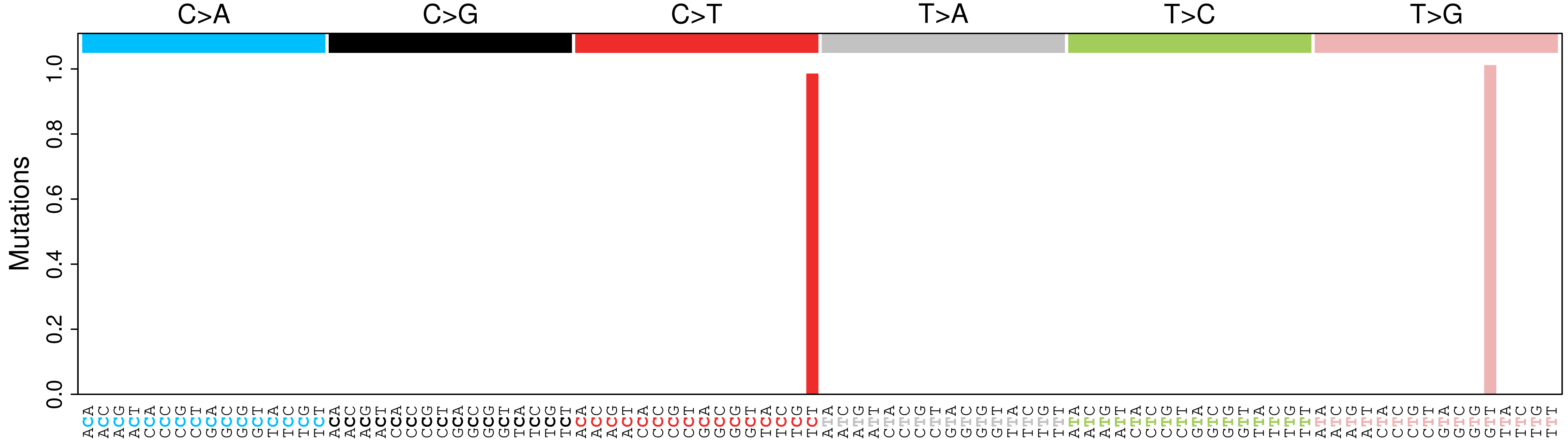
0.

[illegible]

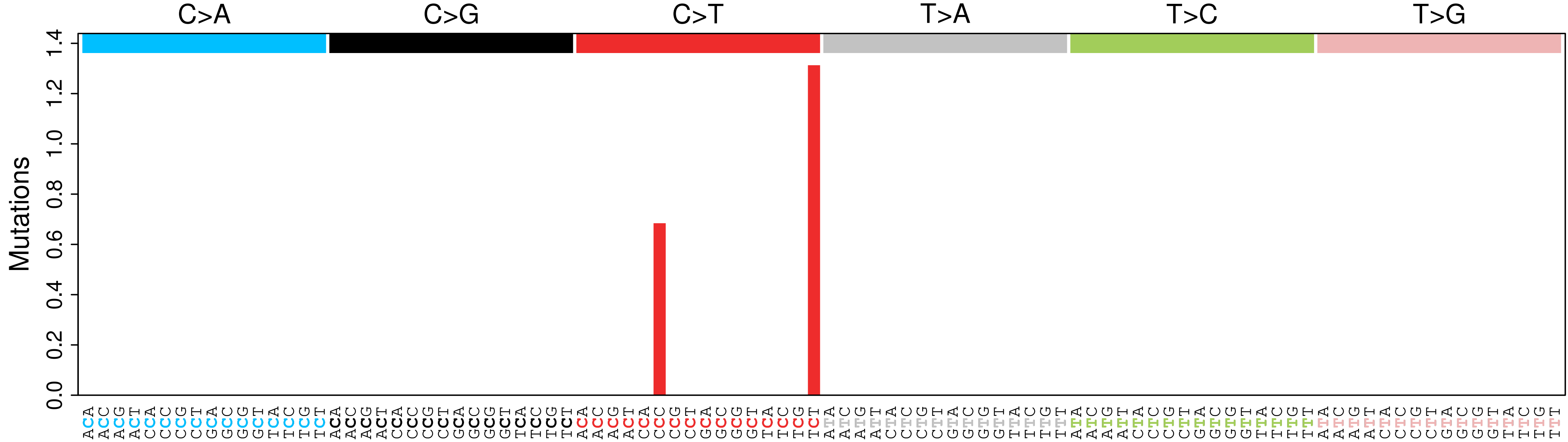
CATD203a (4 mutations)



CATD0533a (2 mutations)



CATD0534a (2 mutations)



CATD199a (1 mutations)

$C > A$

$C > G$

$$C > T$$

T>A

$T > C$

T>G

Mutations

1.0

0

2

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

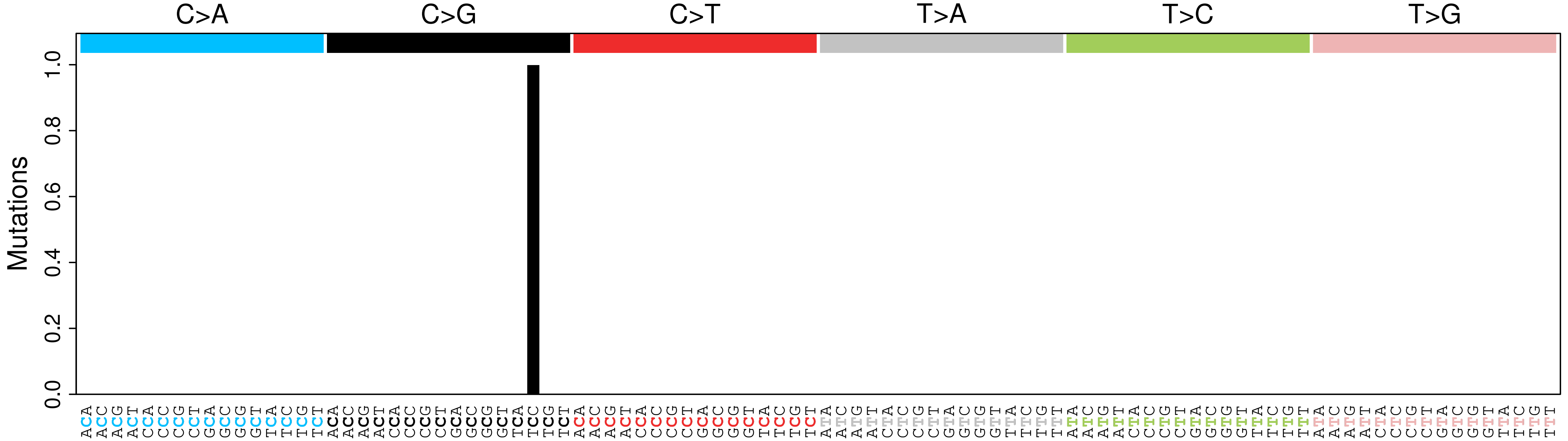
1.5

0.5

0.

[illegible]

CATD0512a (1 mutations)



CATD200a (4 mutations)

C>A

C>G

C>T

T>A

T>C

T>G

Mutations

1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

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

