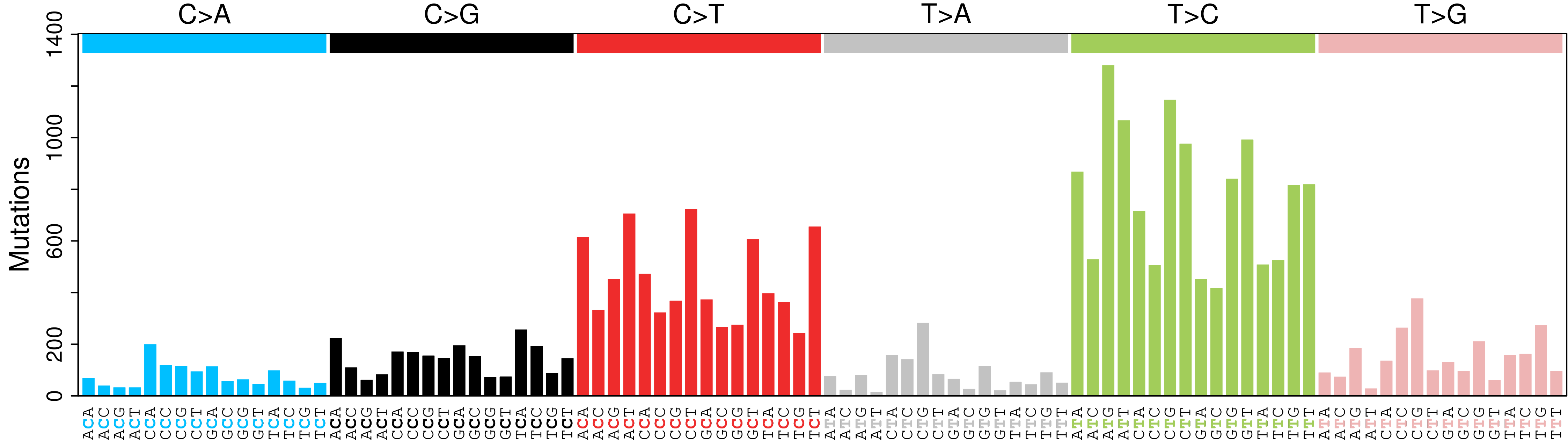


CATD309a (27,085 mutations)



CATD319a (13 mutations)

C>A

C>G

C>T

T>A

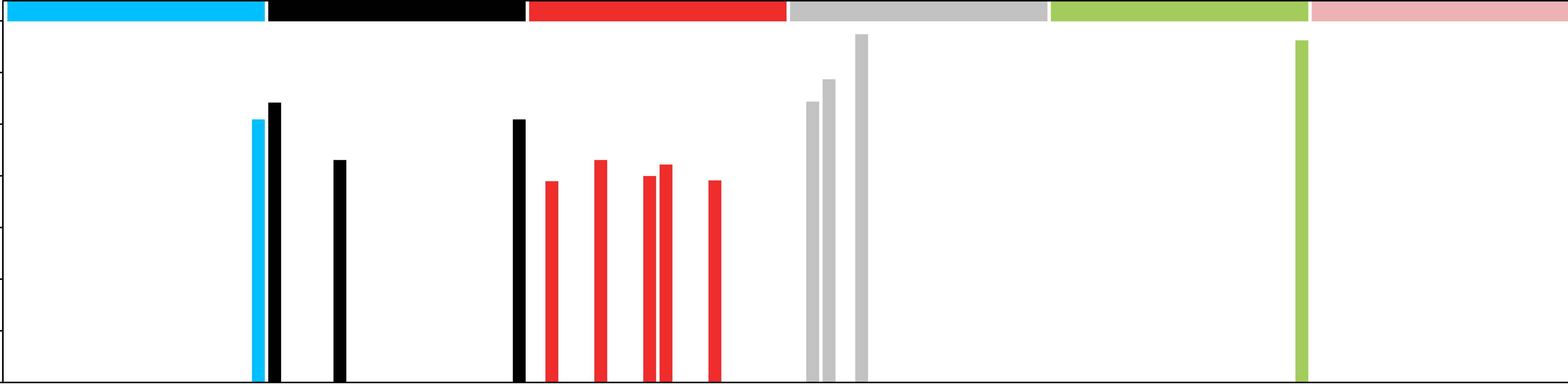
T>C

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



CATD310a (3 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

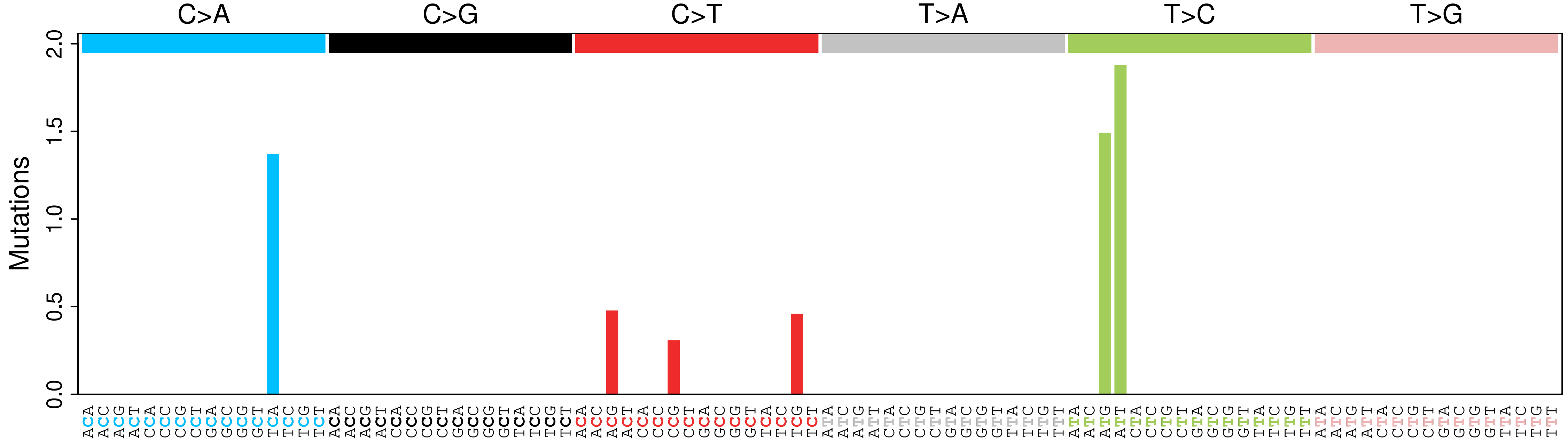
T>G

Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

[illegible]

CATD297a (6 mutations)



CATD312a (4 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.5

1.0

5.0

0.0

[illegible]

CATD323a (6 mutations)

$C > A$

C > G

$C > T$

$T > A$

$T > C$

T>G

Mutations

1.5

1.0

0.5

0.

[illegible]

CATD314a (5 mutations)

$C > A$

C > G

$$C > T$$

T>A

$$T > C$$

T>G

Mutations

1.5

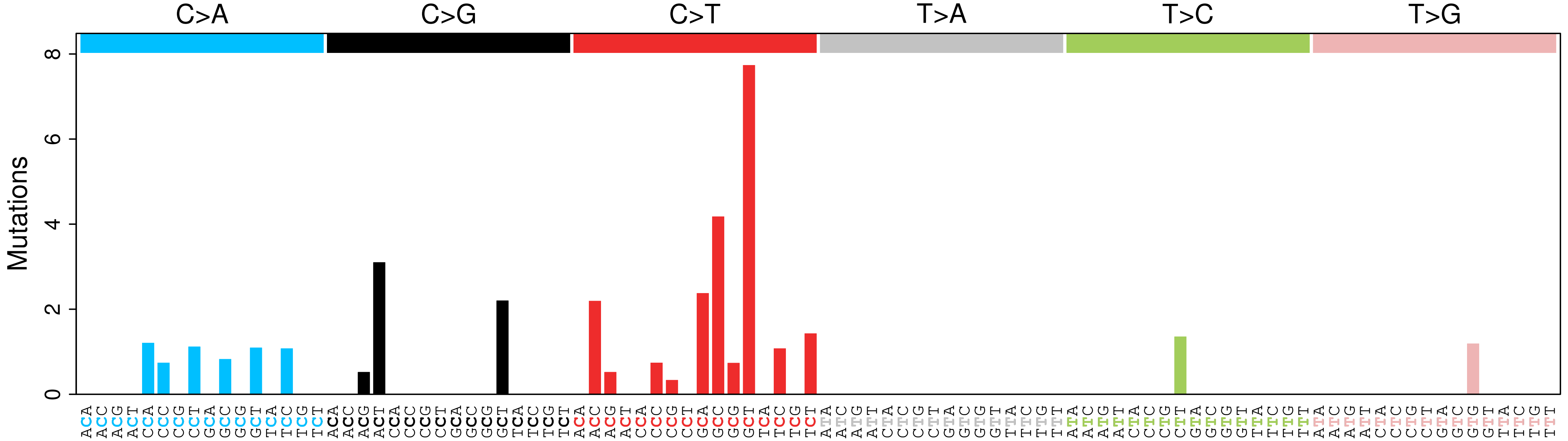
1.0

0.7

0.

[illegible]

CATD329a (36 mutations)



CATD311a (2 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.2

1.0

3.0

0.9

0.

0.

0

[illegible]

CATD306a (4 mutations)

$C > A$

C > G

$$C > T$$

T > A

$$T > C$$

T>G

Mutations

2.0

15.

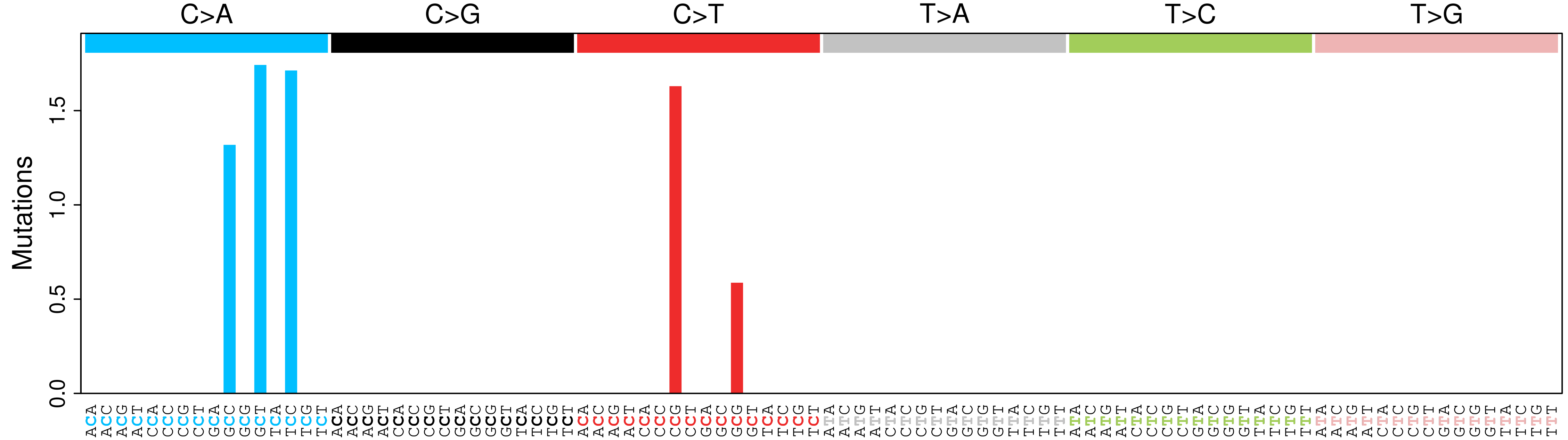
1.

0

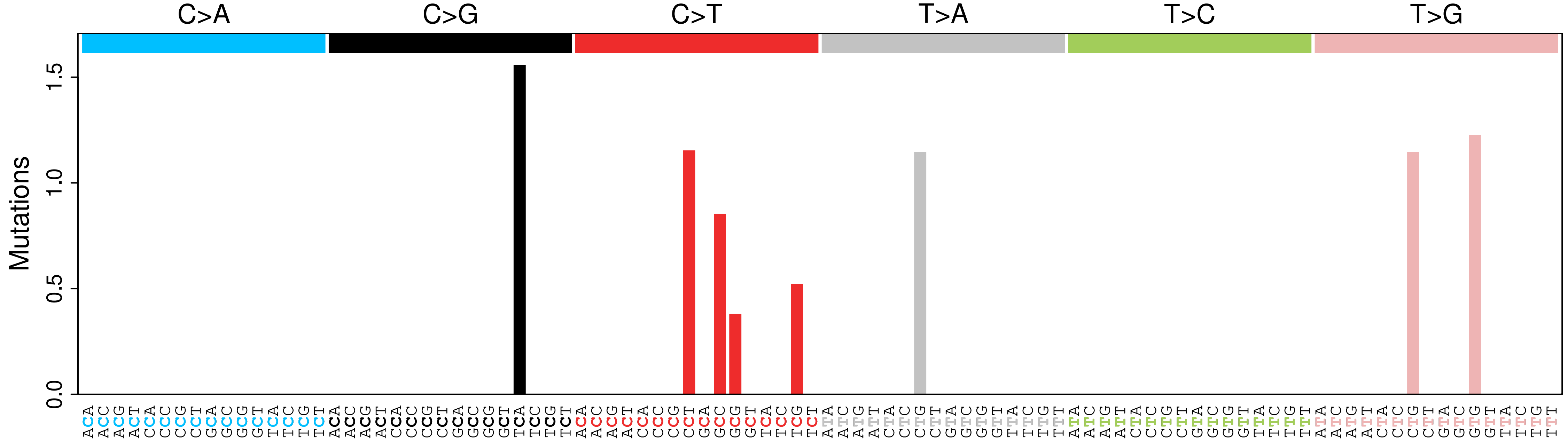
0

[illegible]

CATD300a (7 mutations)



CATD328a (8 mutations)



CATD0674a (2 mutations)

$C > A$

$C > G$

$C > T$

T > A

$T > C$

T > G

Mutations

1.0

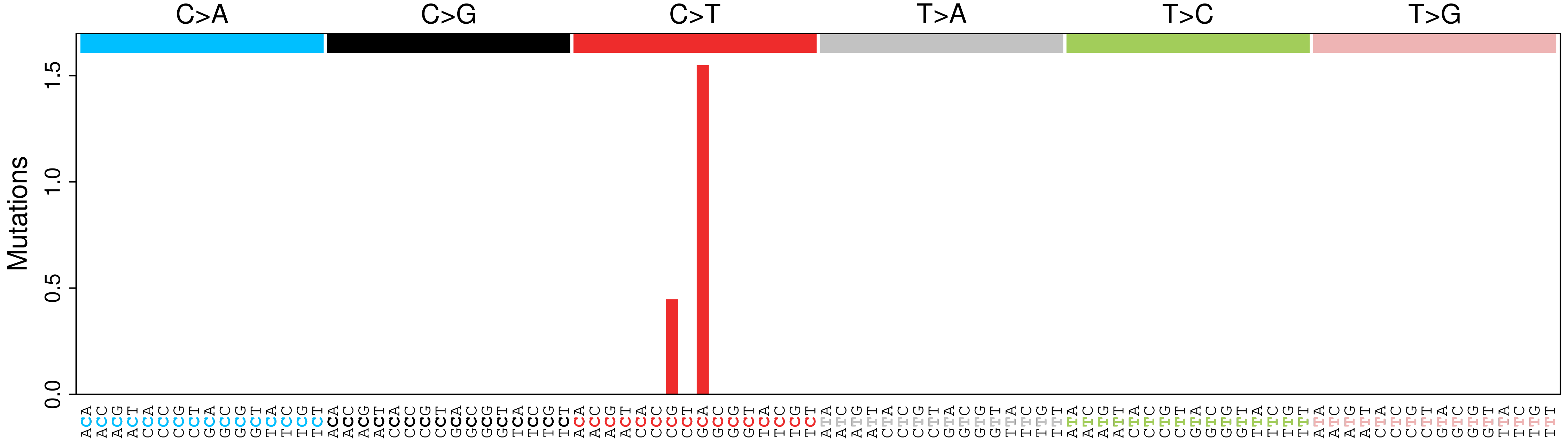
30

0

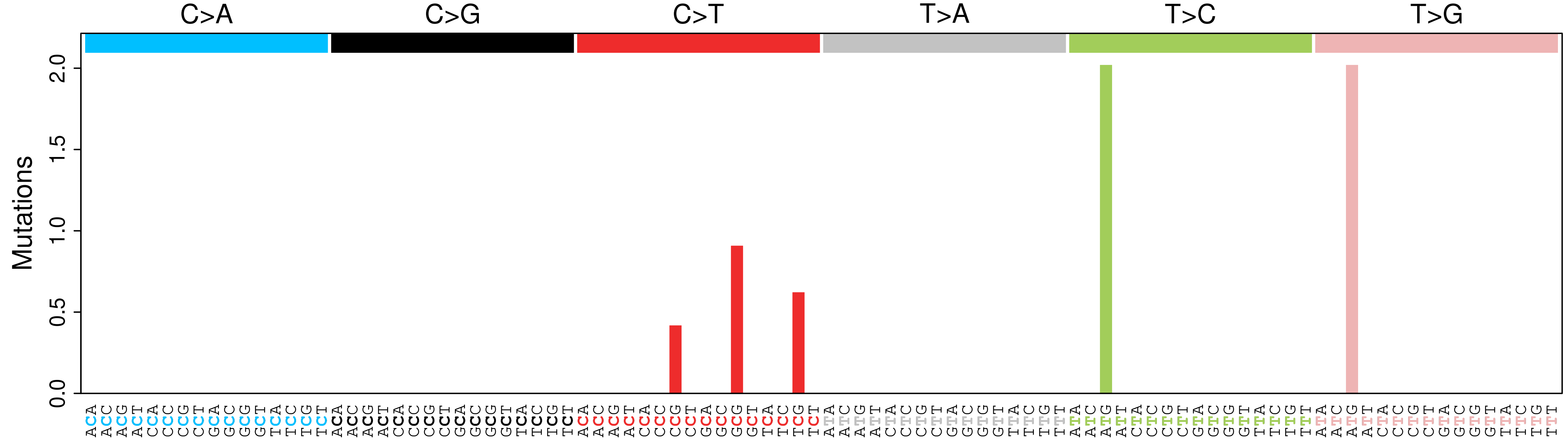
0

[illegible]

CATD318a (2 mutations)



CATD301a (6 mutations)



CATD308a (1 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.0

0

2

0.

[illegible]

CATD0675a (1 mutations)

C > A

C > G

$C > T$

T > A

$$T > C$$

T>G

Mutations

1.0

 \dot{O}

1

2

0.

[illegible]

CATD0676a (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

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

CATD0677a (2 mutations)

$C > A$

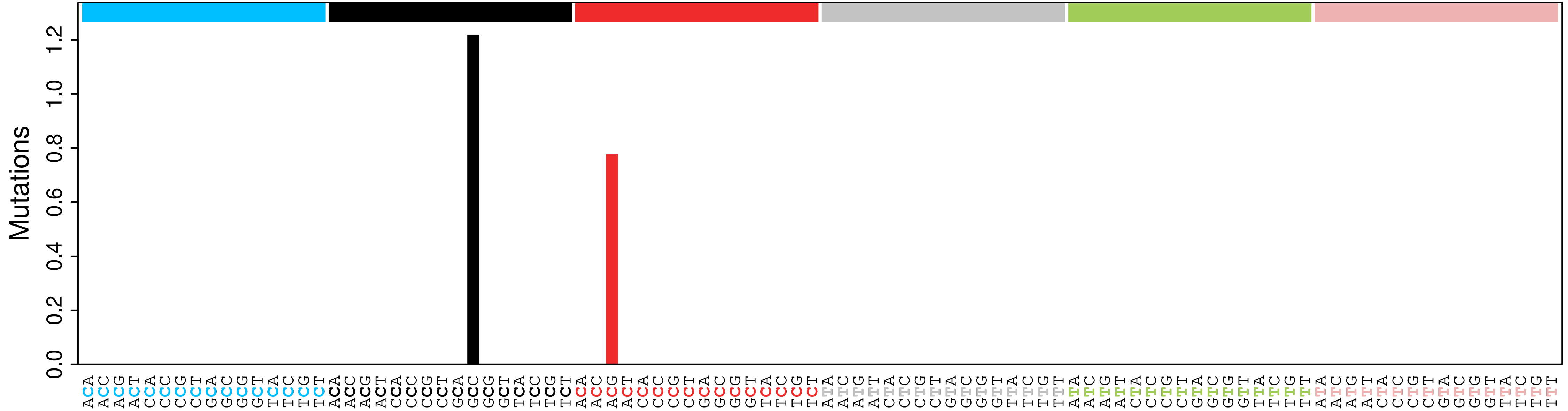
C > G

$C > T$

T>A

 $T > C$

T>G



CATD304a (2 mutations)

$C > A$

C>G

$C > T$

T>A

$$T > C$$

T>G

Mutations

1.5

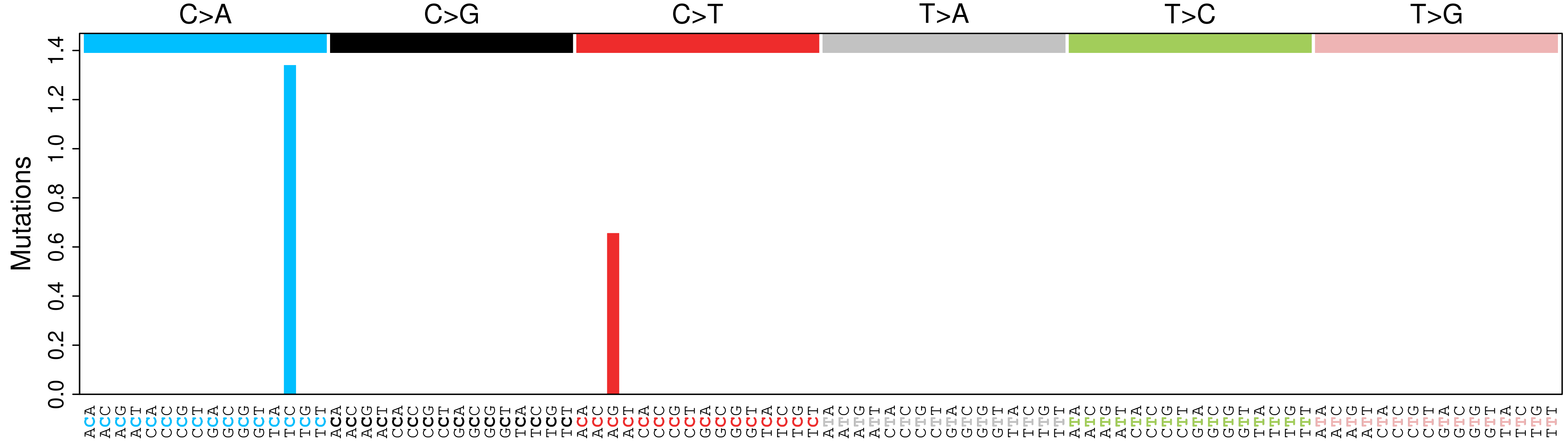
1.0

0.5

0.

[illegible]

CATD299a (2 mutations)



CATD317a (1 mutations)

$C > A$

$C > G$

$C > T$

T>A

 $T > C$

T>G

Mutations

1.0

0.

2

0.

[illegible]

CATD307a (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]

