

## CATD269a (178 mutations)

$C > A$

C > G

$C > T$

**T>A**

$T > C$

T > G

# Mutations

0 10 20 30 40

10

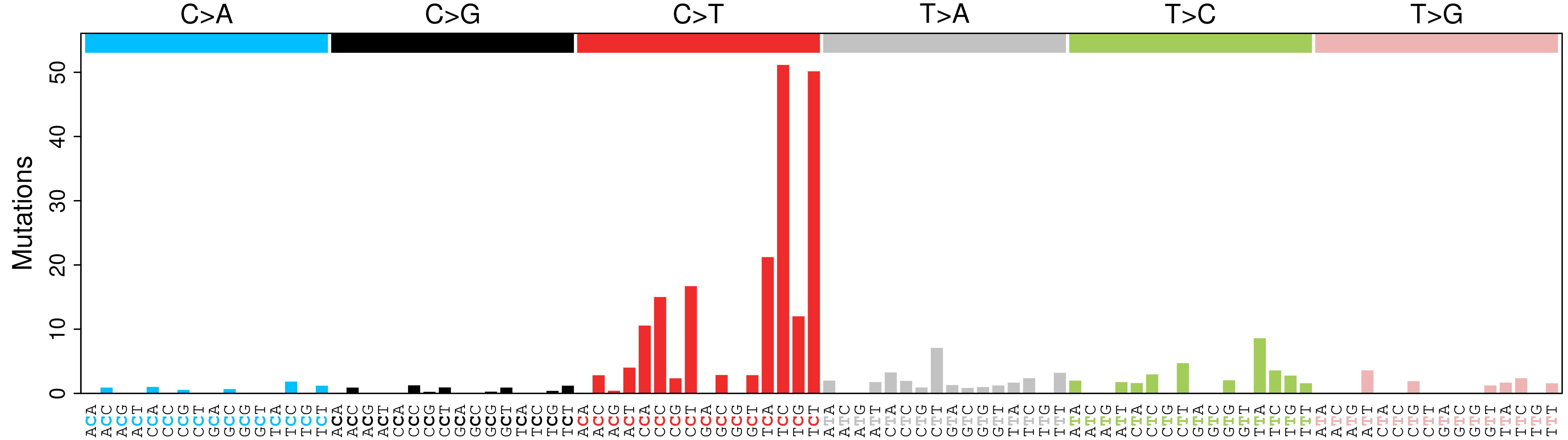
20

30

40

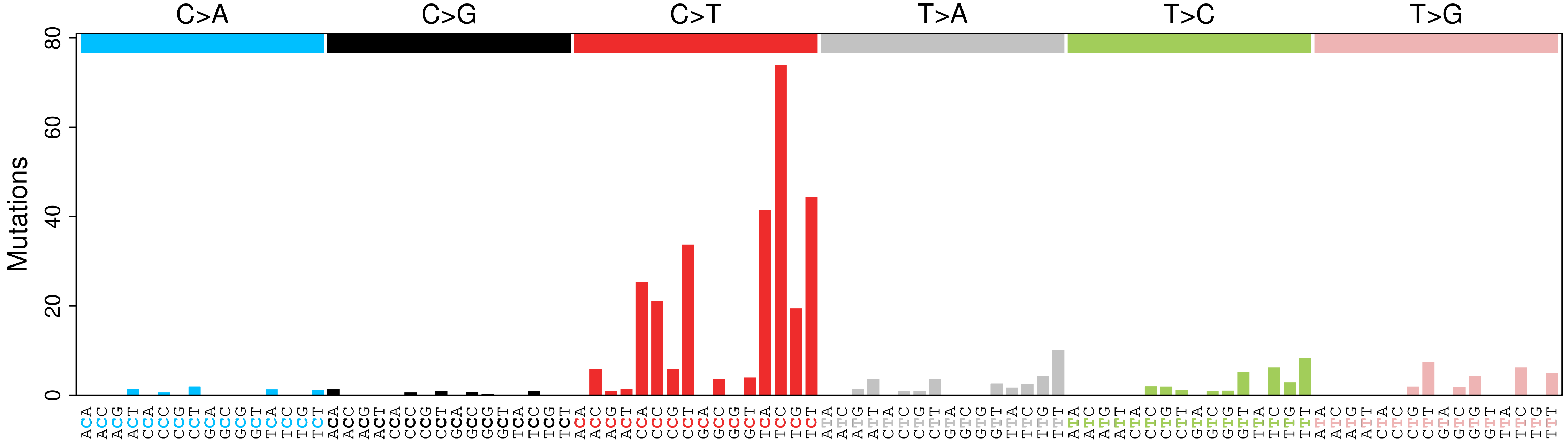
[illegible]

## CATD256a (280 mutations)





# CATD0132a (384 mutations)



## CATD0119a (592 mutations)

$C > A$

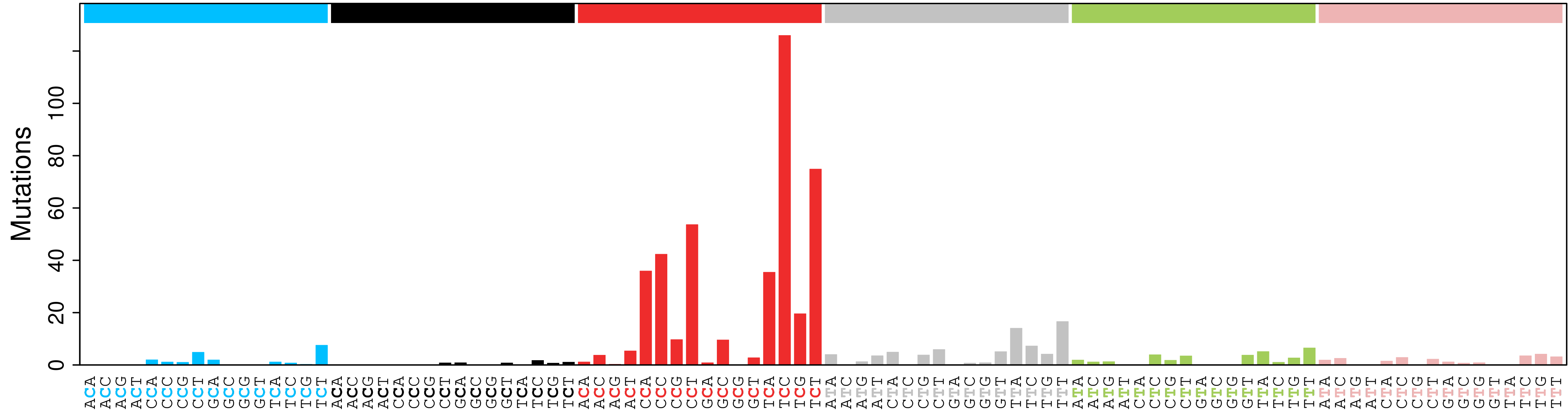
C > G

$$C > T$$

**T > A**

$T > C$

T>G



## CATD262a (326 mutations)

$C > A$

C > G

$C > T$

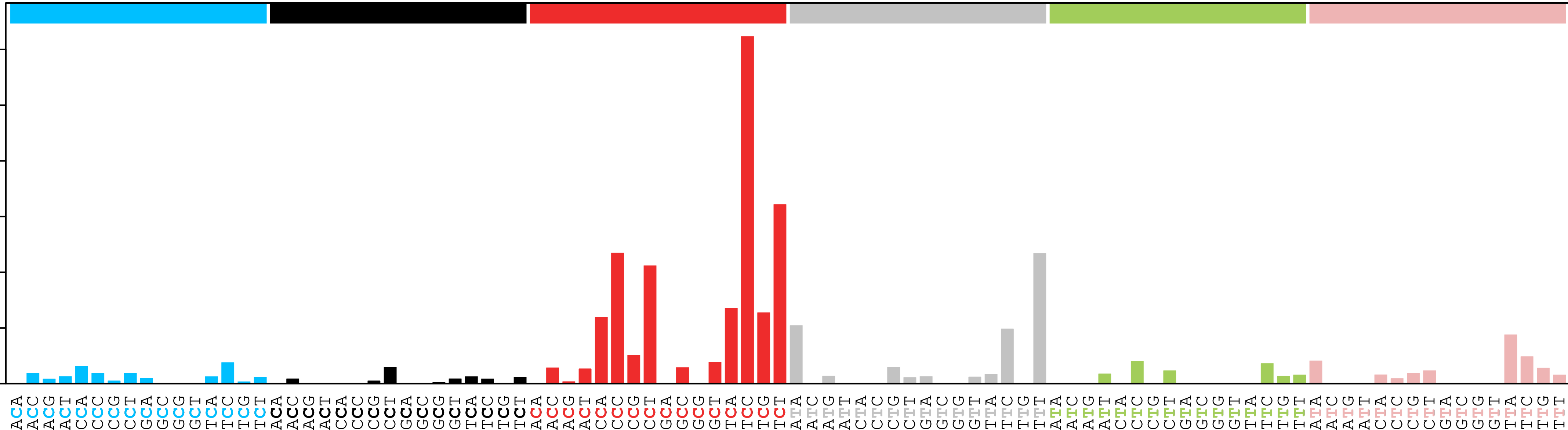
**T > A**

 $T > C$ 

$T > G$

# Mutations

Year	Number of people (millions)
1960	45
1970	55
1980	75
1990	90
2000	95
2005	98
2010	95

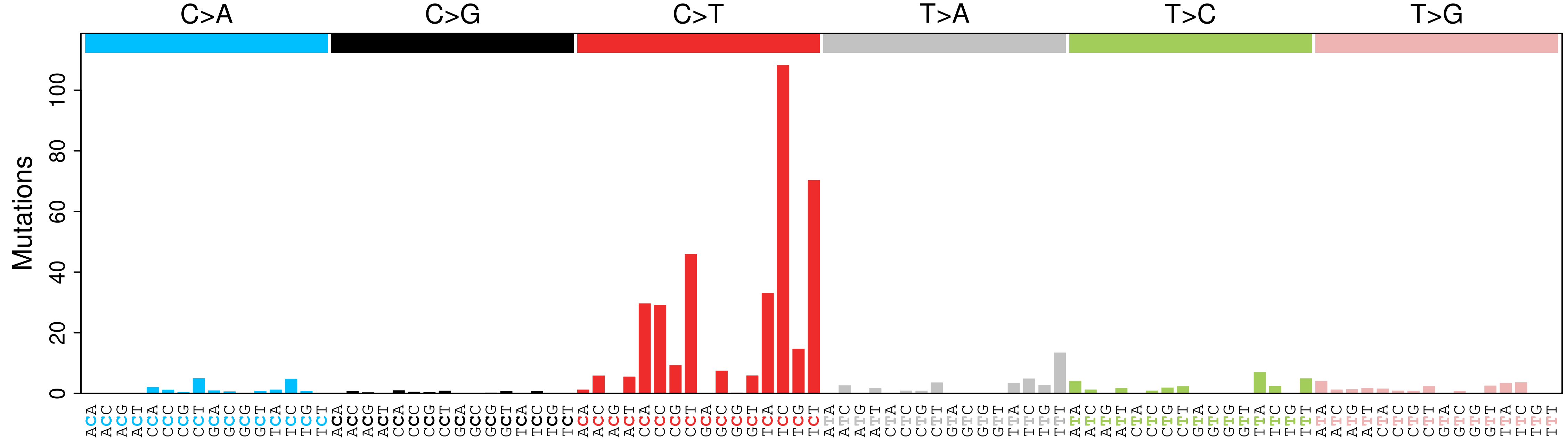








## CATD252a (485 mutations)









## CATD0123a (314 mutations)

$C > A$

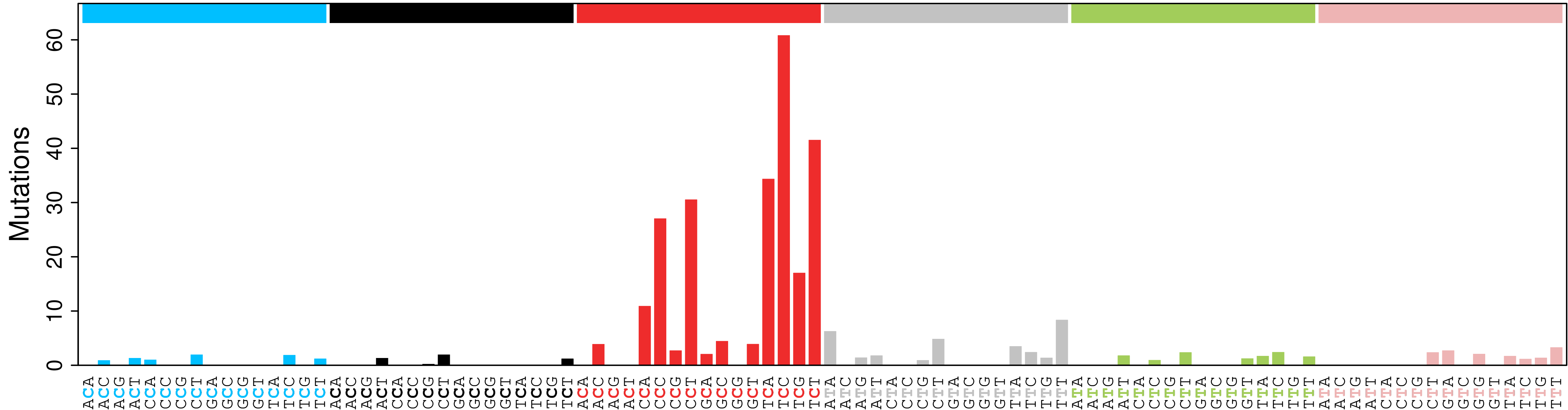
C > G

$$C > T$$

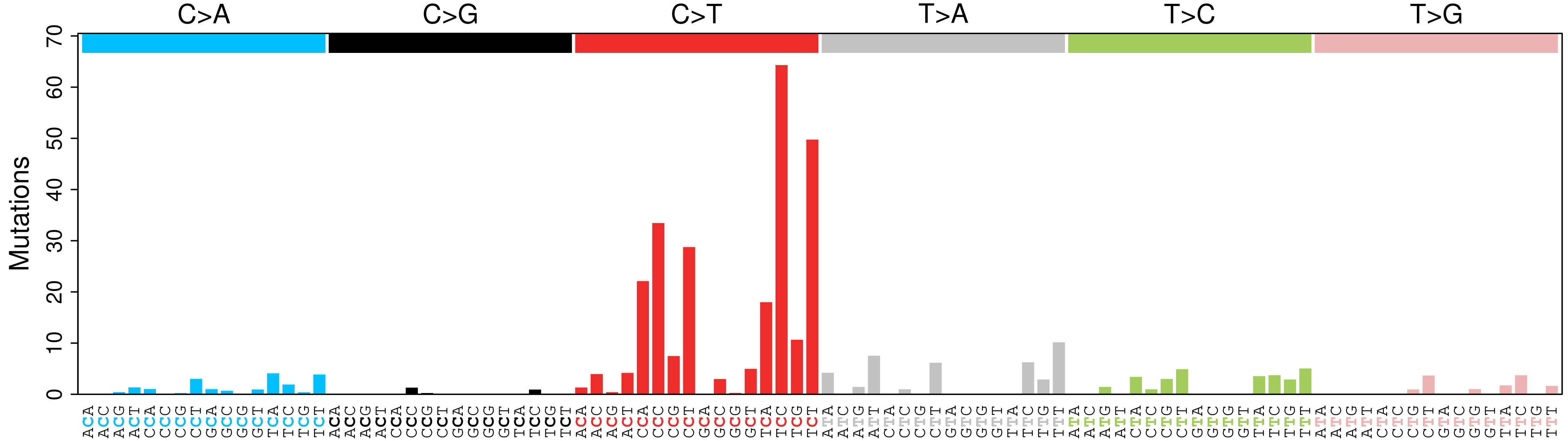
**T > A**

$T > C$

T>G

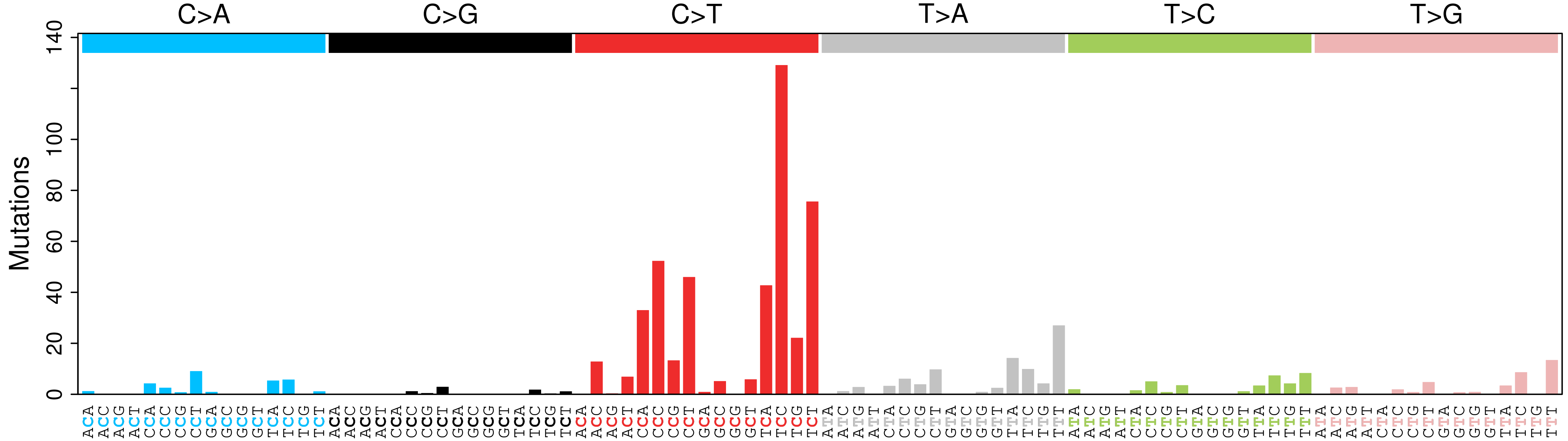


# CATD255a (359 mutations)





# CATD0120a (659 mutations)

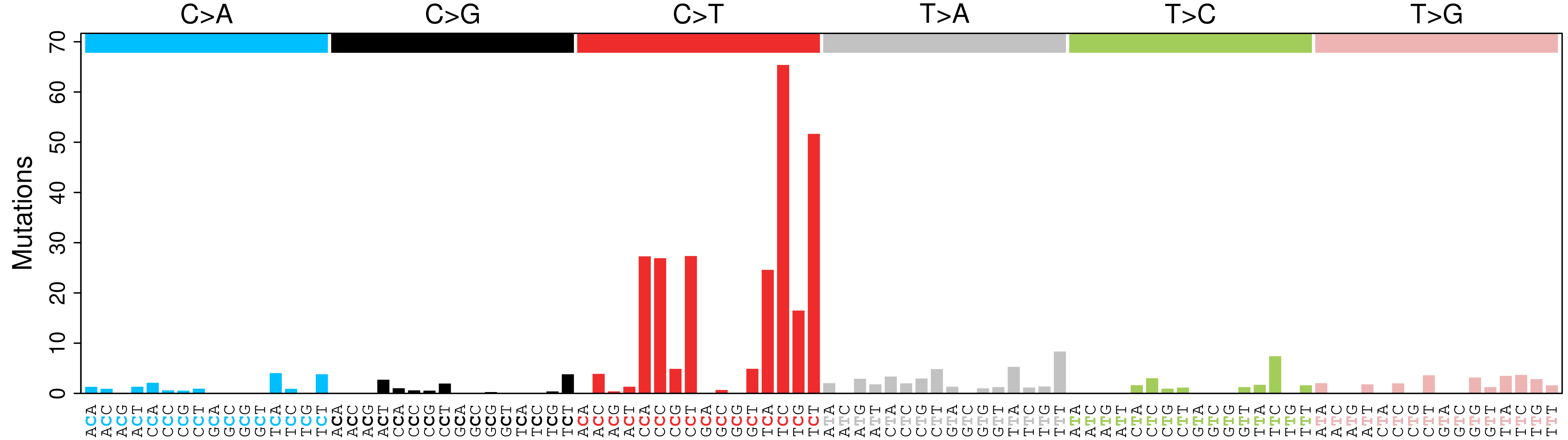




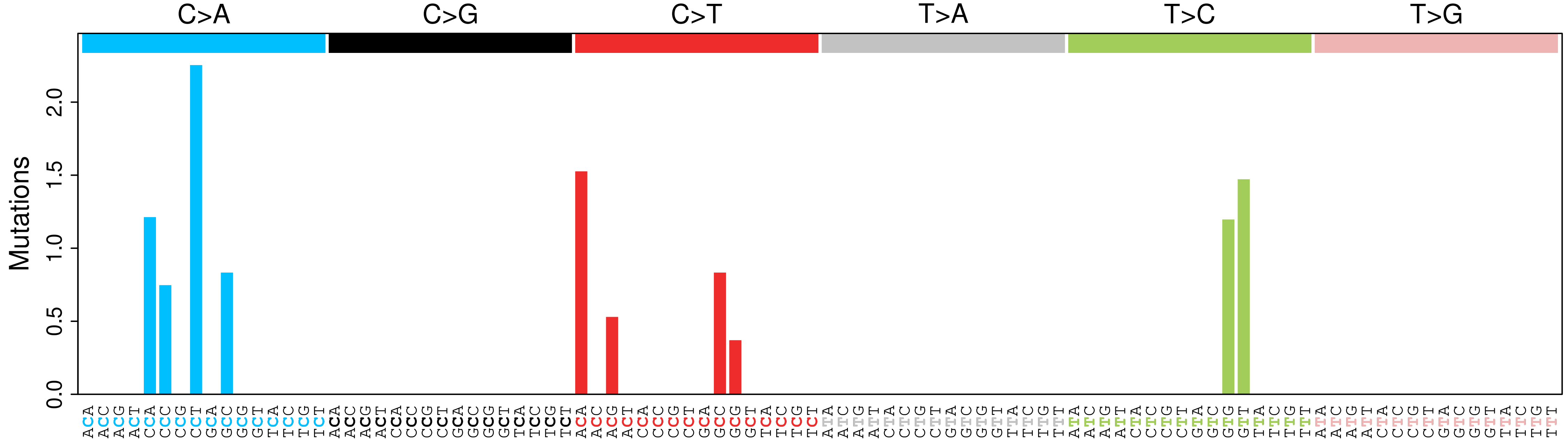




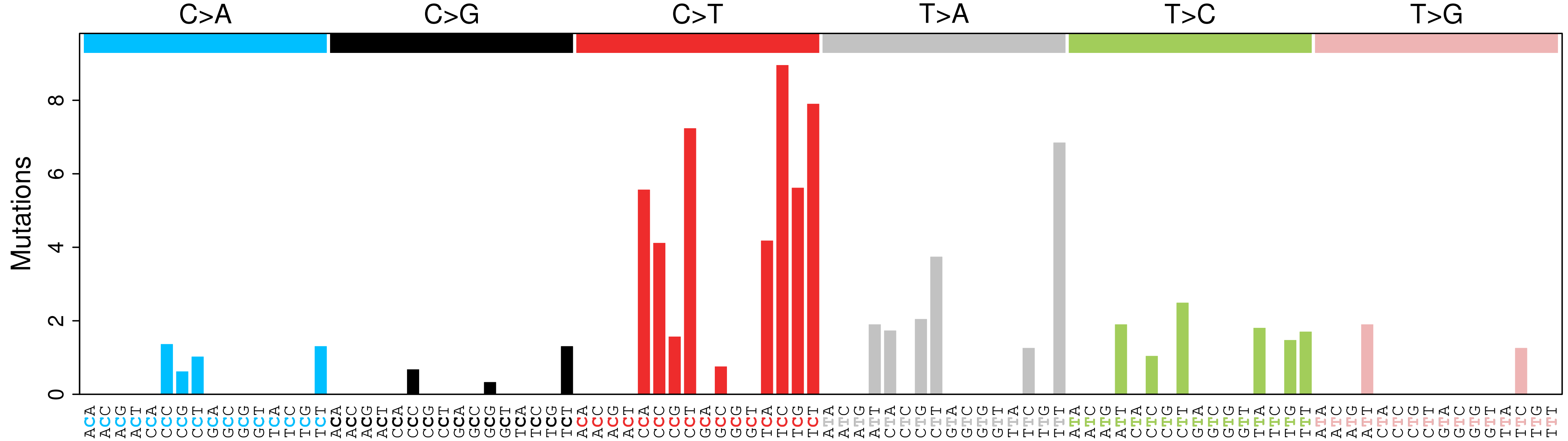
## CATD246a (372 mutations)



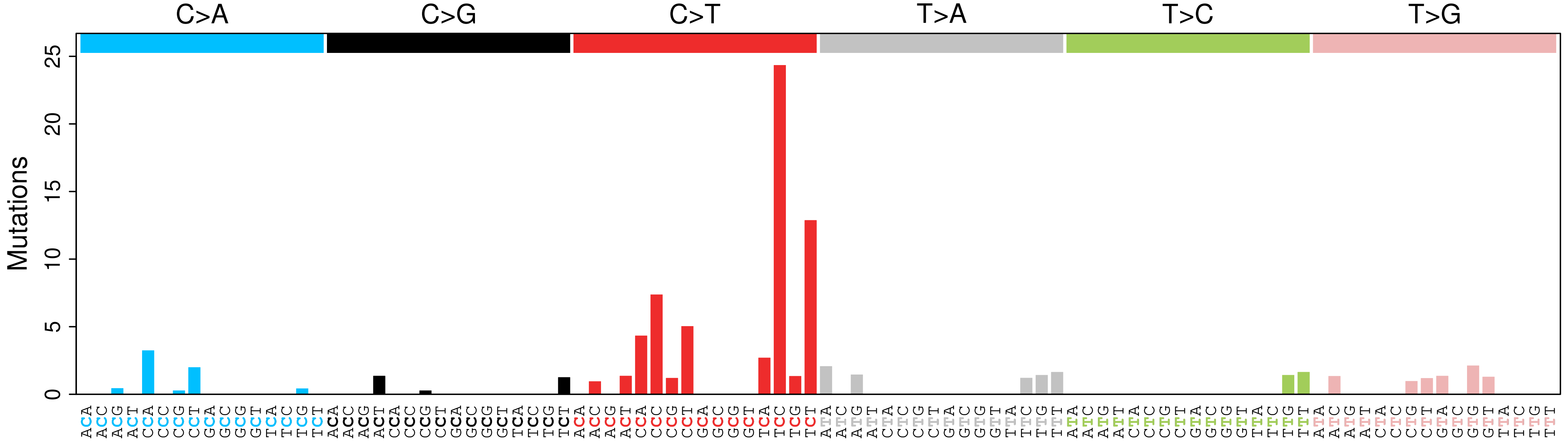
## CATD279a (11 mutations)



## CATD261a (84 mutations)



# CATD280a (91 mutations)

















## CATD267a (2 mutations)

$C > A$

$C > G$

$$C > T$$

**T>A**

$T > C$

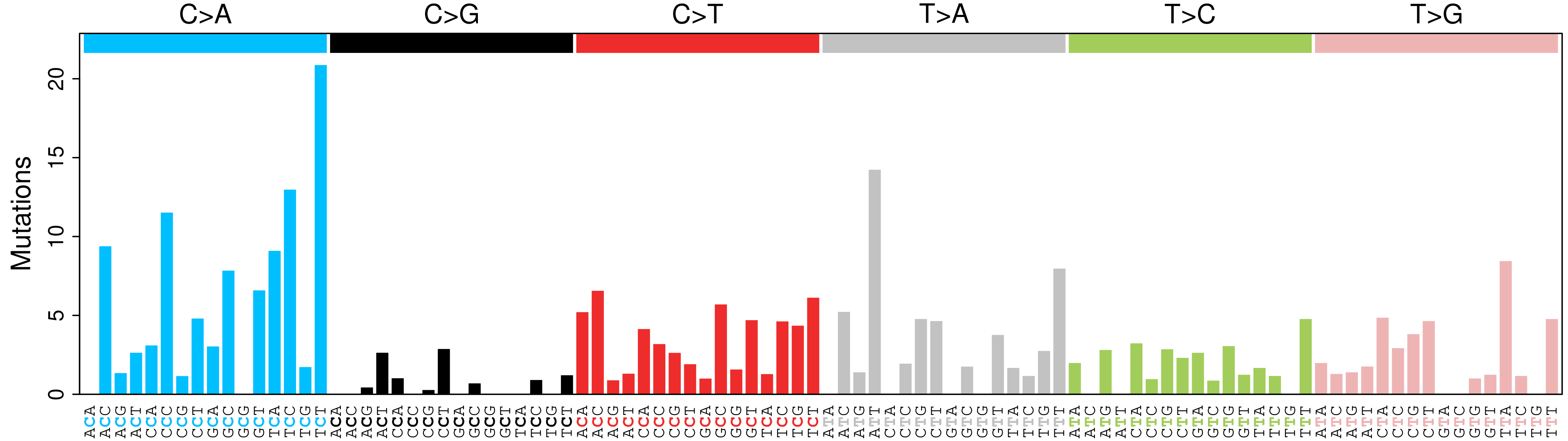
T>G

# Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

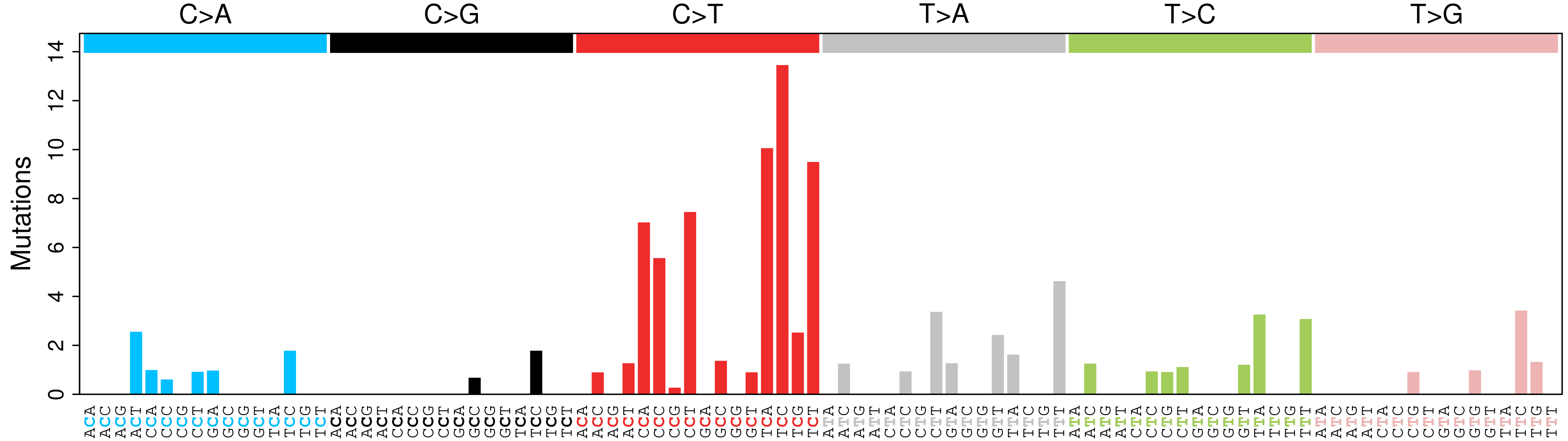
[illegible]

## CATD186a (283 mutations)



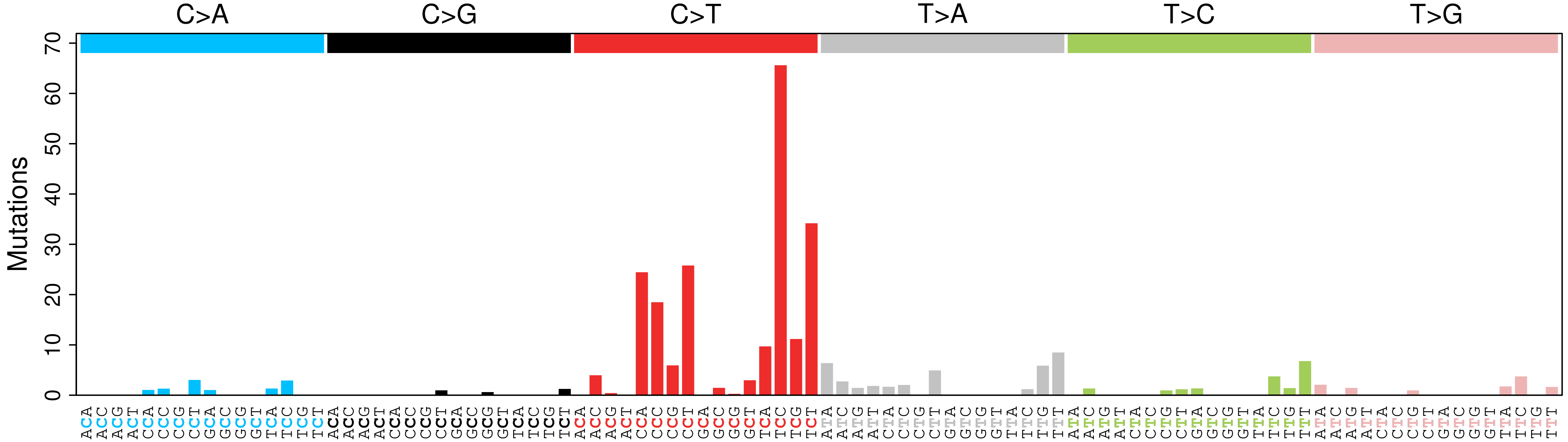


## CATD0126a (105 mutations)





# CATD274a (286 mutations)

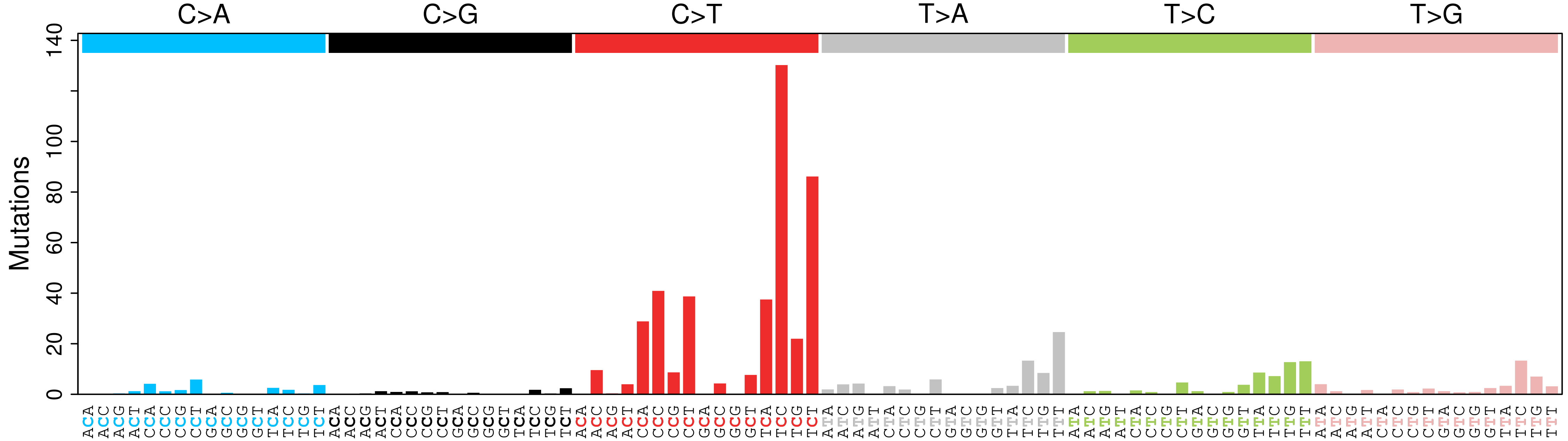






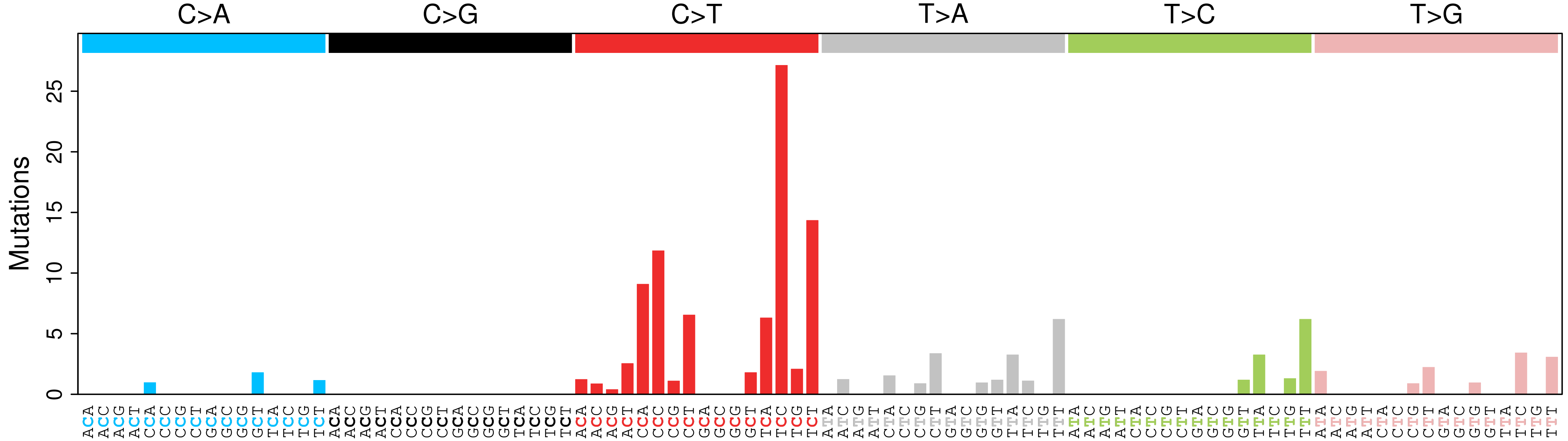


# CATD264a (637 mutations)





## CATD282a (135 mutations)









## CATD254a (60 mutations)

$C > A$

$C > G$

$C > T$

**T > A**

$T > C$

T > G

# Mutations



6

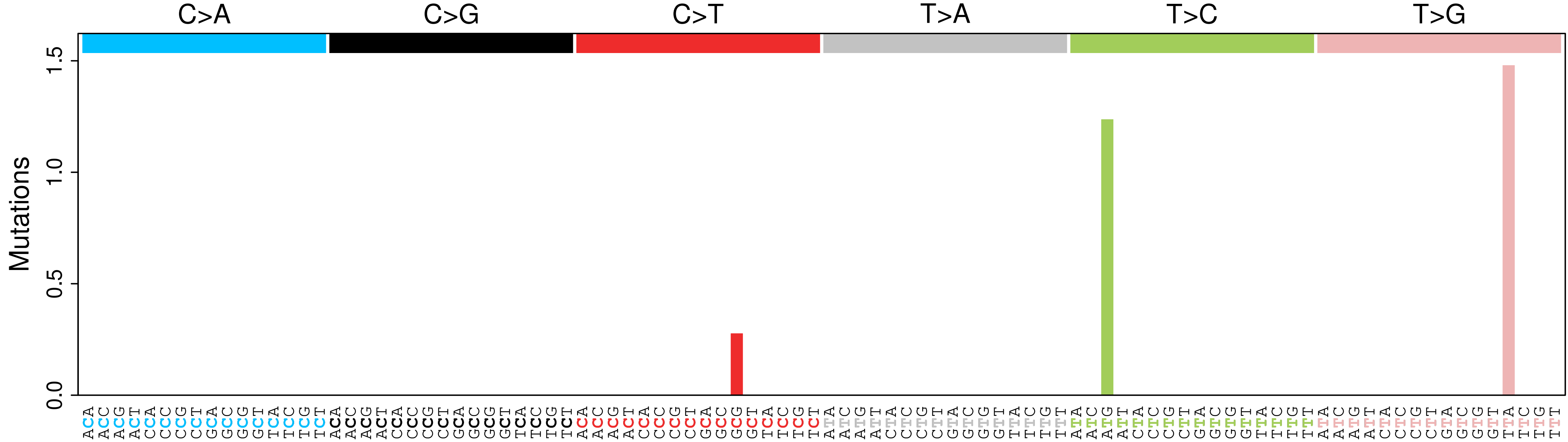


2

0

[illegible]

CATD0124a (3 mutations)



## CATD0129a (2 mutations)

$C > A$

$C > G$

$C > T$

**T > A**

$T > C$

T > G

# Mutations

1.0

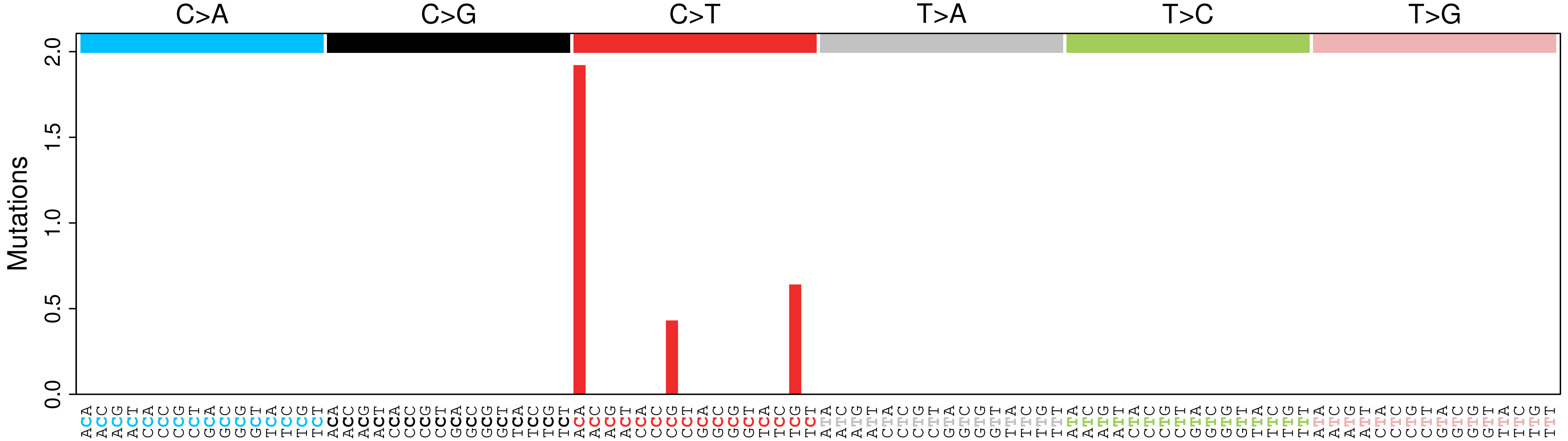
0

21

0.

[illegible]

# CATD0130a (3 mutations)



## CATD0140a (5 mutations)

$C > A$

C > G

$$C > T$$

**T > A**

$$T > C$$

T>G

# Mutations

2.5

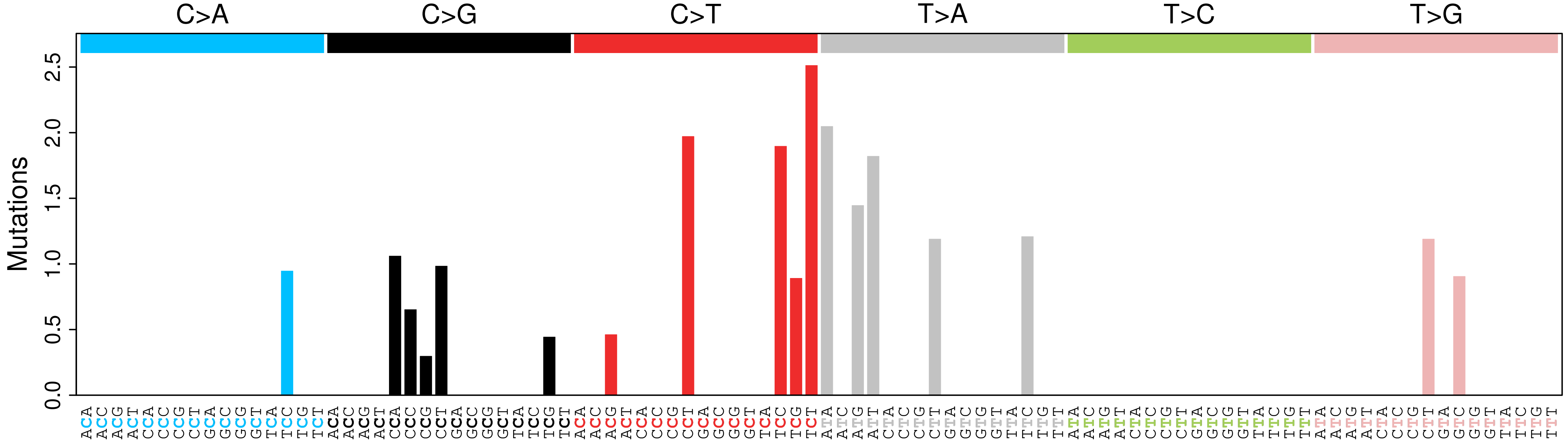
2.

—

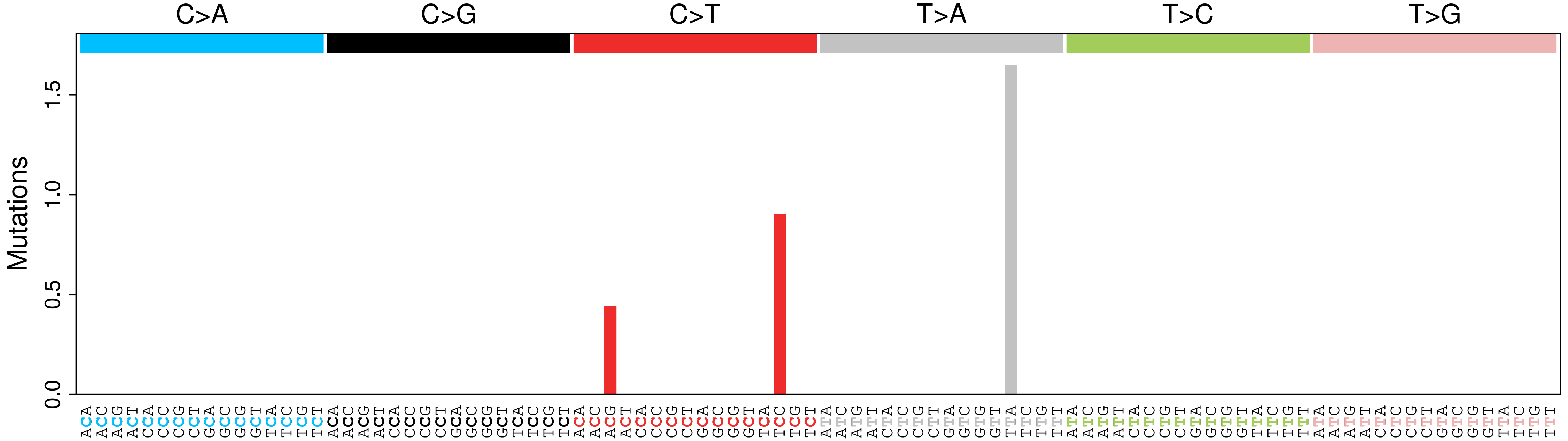
1

[illegible]

# CATD0131a (22 mutations)

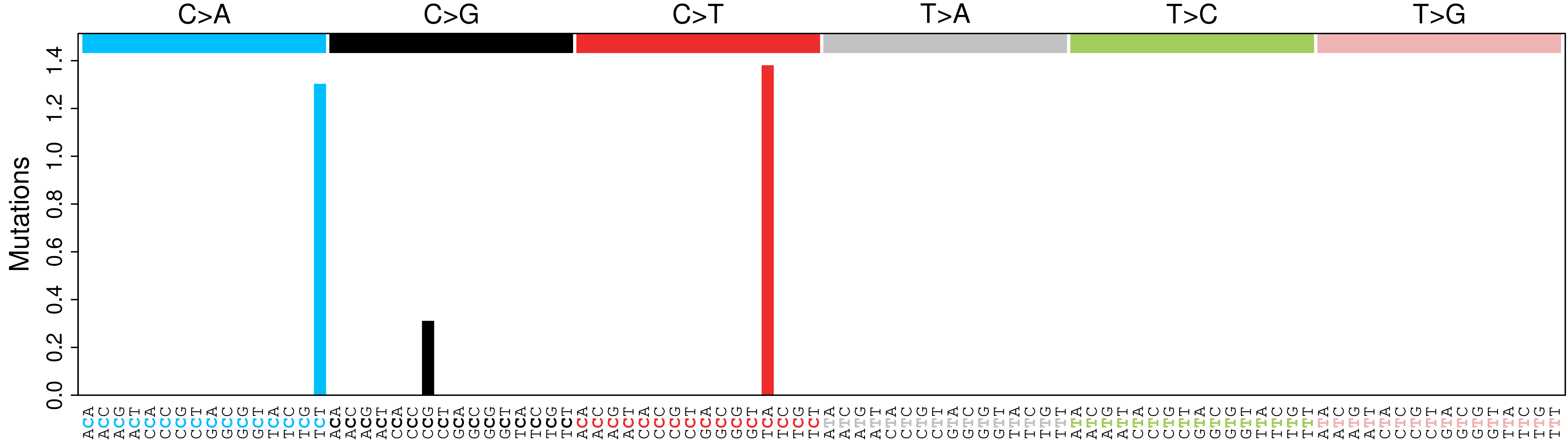


# CATD0125a (3 mutations)





CATD0134a (3 mutations)



# CATD258a (8 mutations)

C>A

C>G

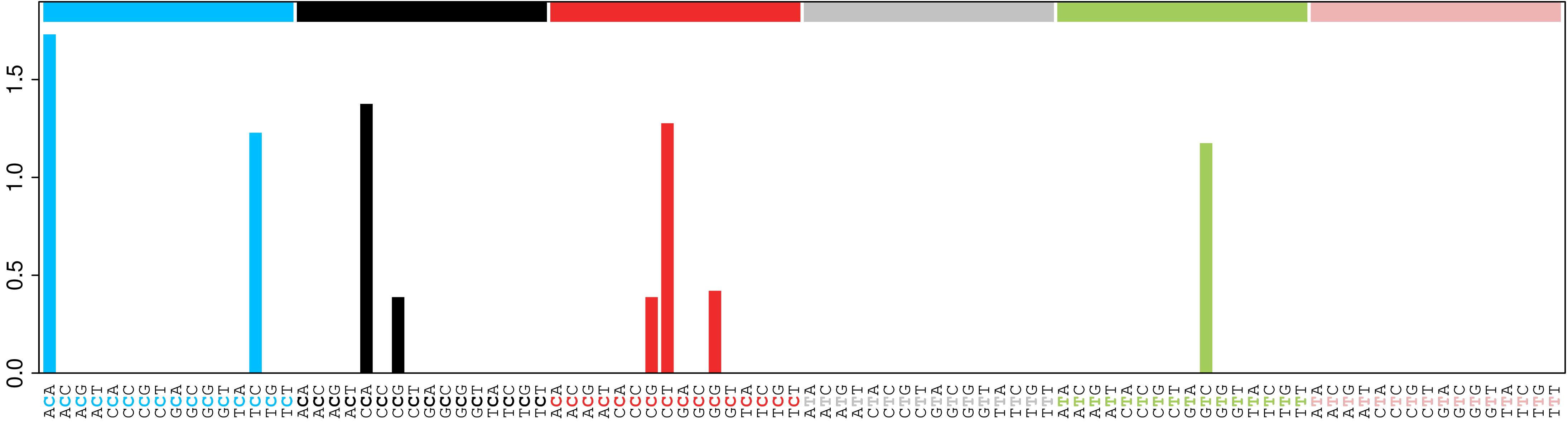
C>T

T>A

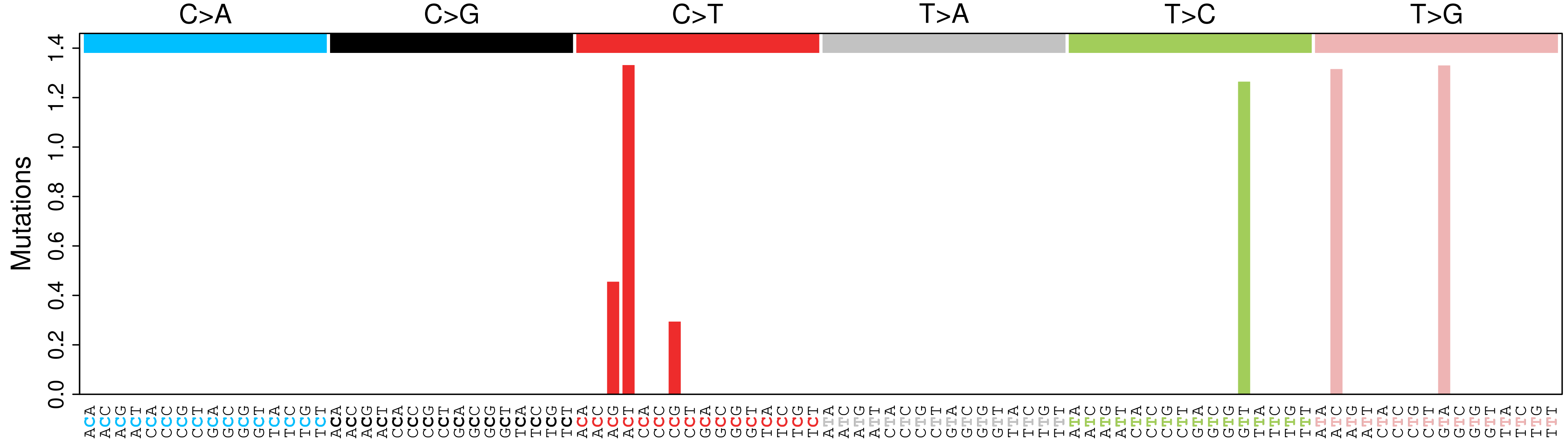
T>C

T>G

Mutations



## CATD257a (6 mutations)



# CATD0139a (7 mutations)

C>A

C>G

C>T

T>A

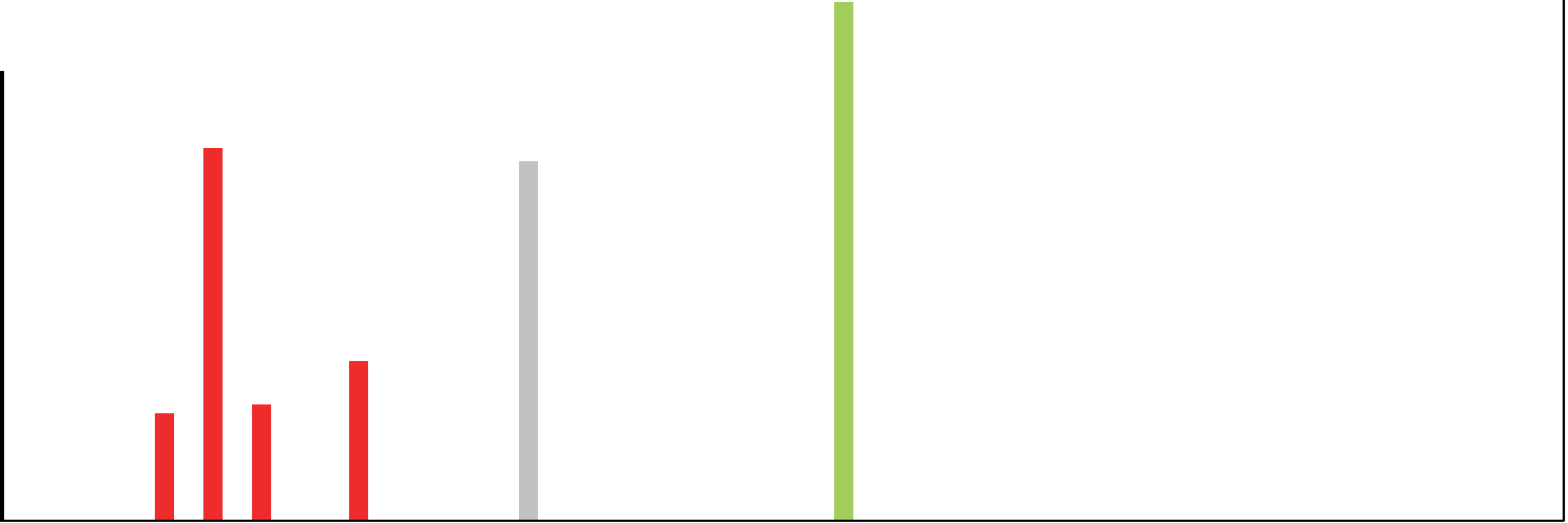
T>C

T>G

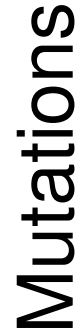
Mutations

1.5  
1.0  
0.5  
0.0

ACA ACC AGT ACT CCA CCC CGT CCA GCC GGT GGT TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CGT CCA GCC GGT 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 CCA CTC CGT CCA GTC GTG GTT TTA TTC TTG TTT ATA ATC ATG ATT CCA CTC CGT CCA GTC GTG GTT TTA TTC TTG TTT



## CATD0137a (8 mutations)



## CATD249a (7 mutations)

**C > A**

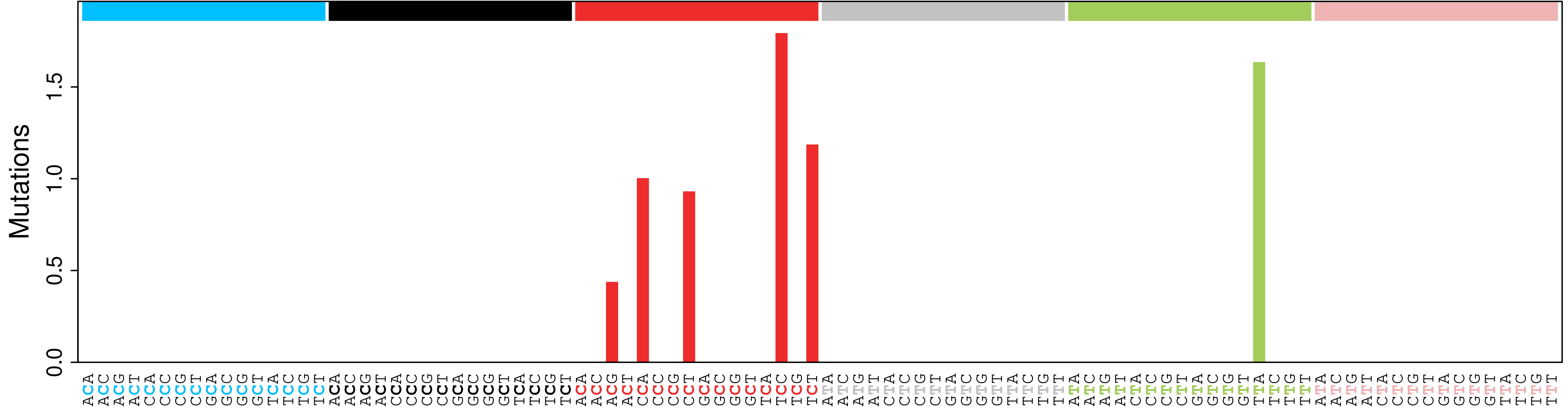
C > G

$C > T$

**T > A**

$$T > C$$

T>G



## CATD271a (5 mutations)

$C > A$

C > G

$C > T$

**T > A**

$T > C$

T>G

## 1.5

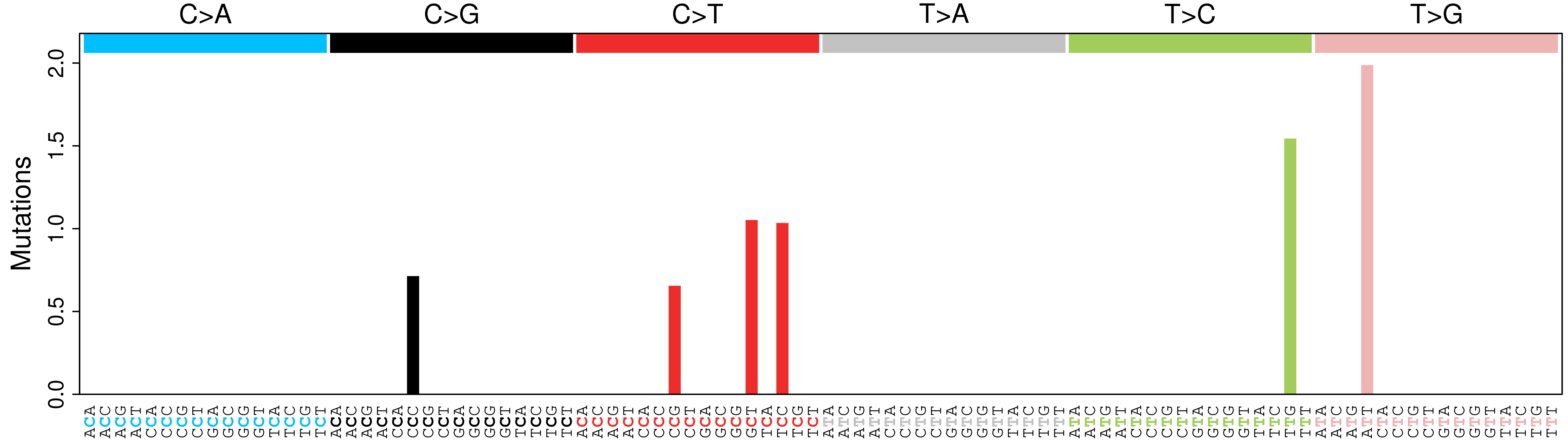
0.5

0.

0

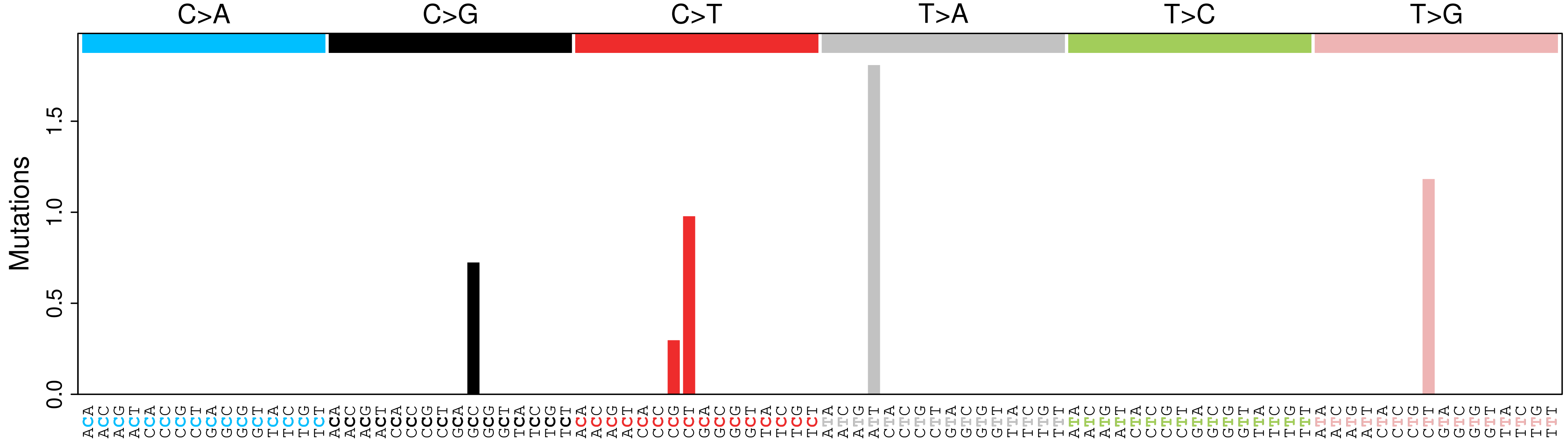
[illegible]

## CATD259a (7 mutations)

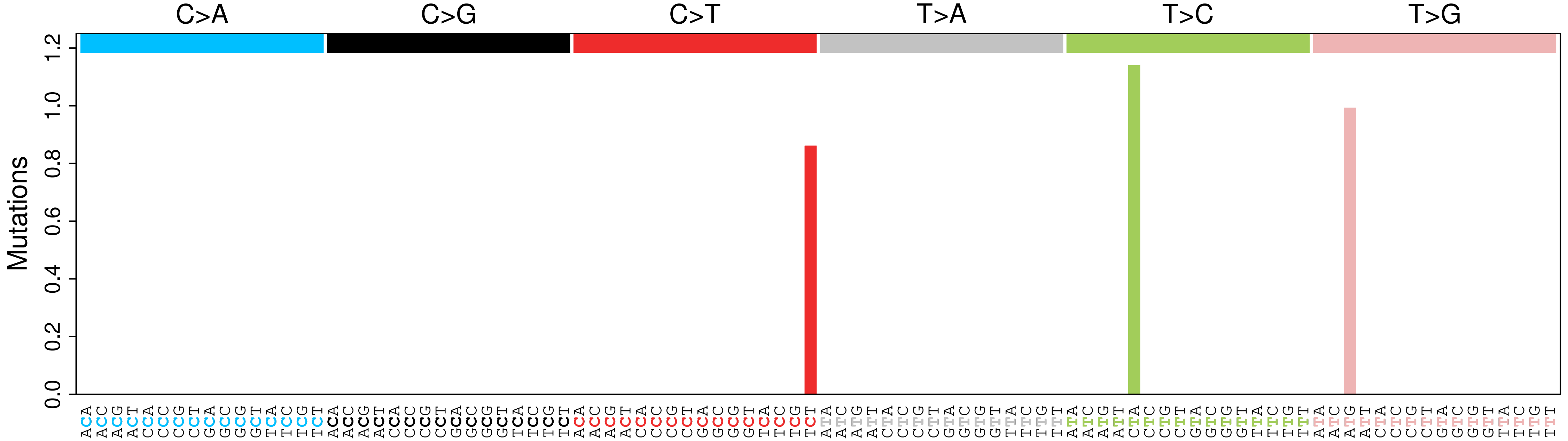




## CATD0127a (5 mutations)



# CATD277a (3 mutations)



# CATD281a (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  
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  
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

# CATD0133a (1 mutations)

