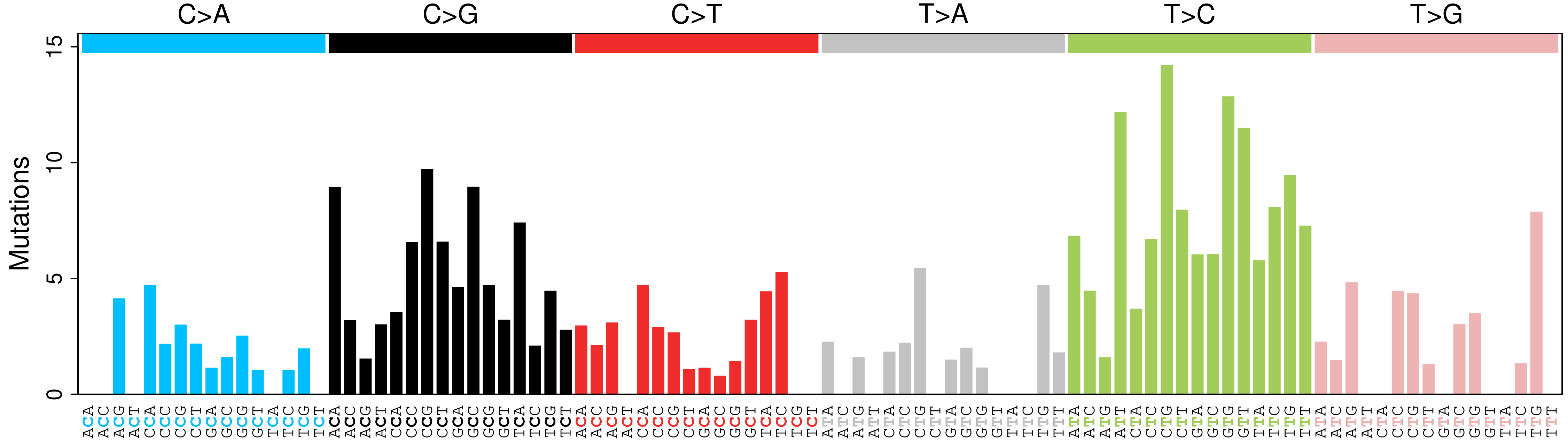
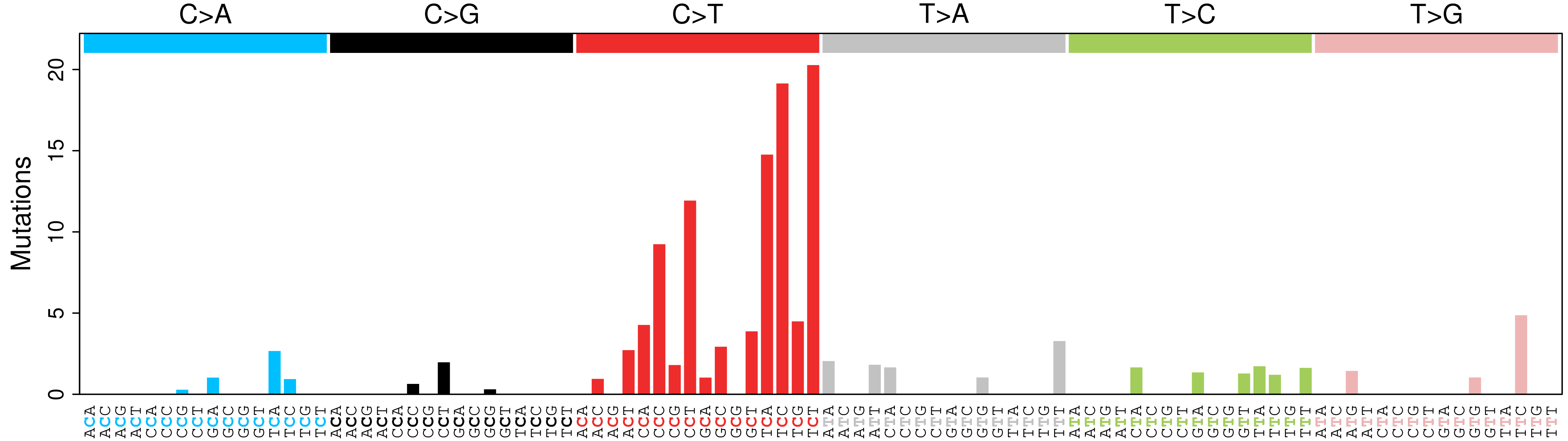


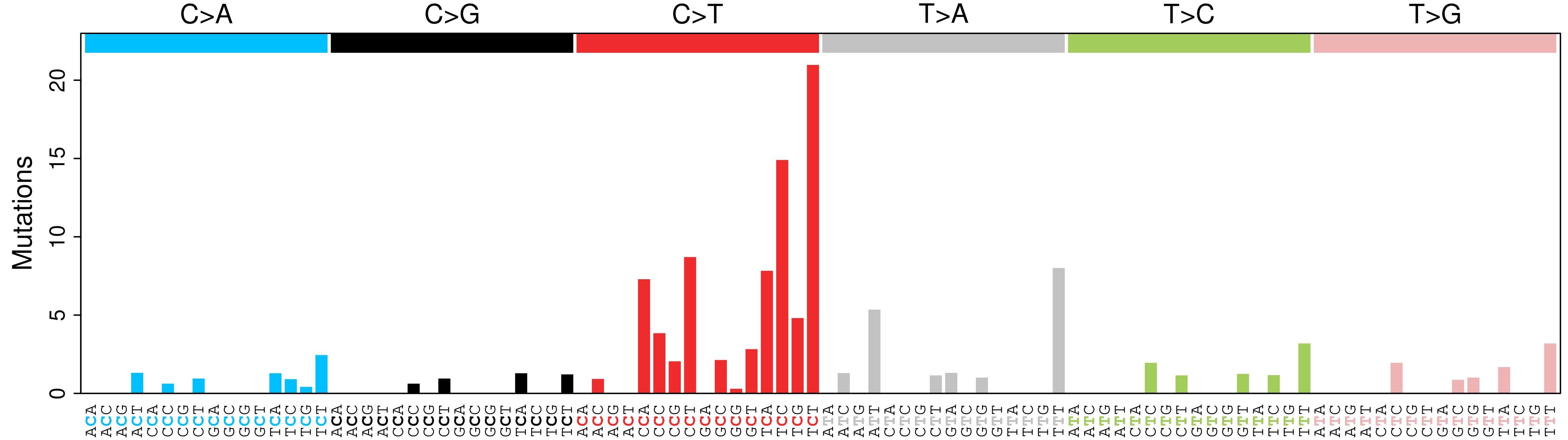
## CATD292a (328 mutations)



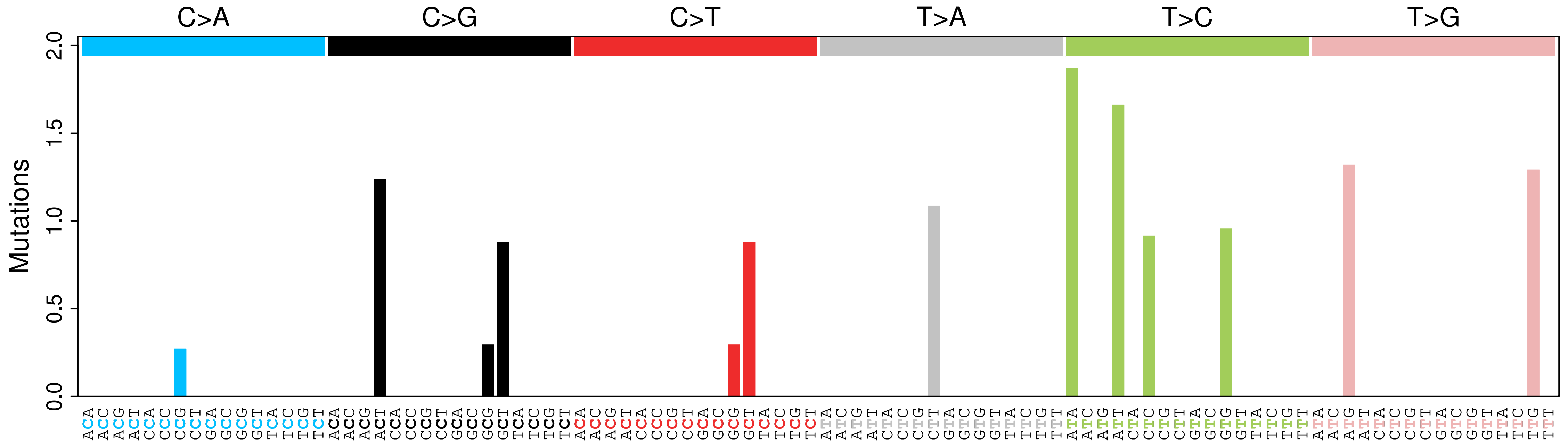
## CATD0653a (132 mutations)



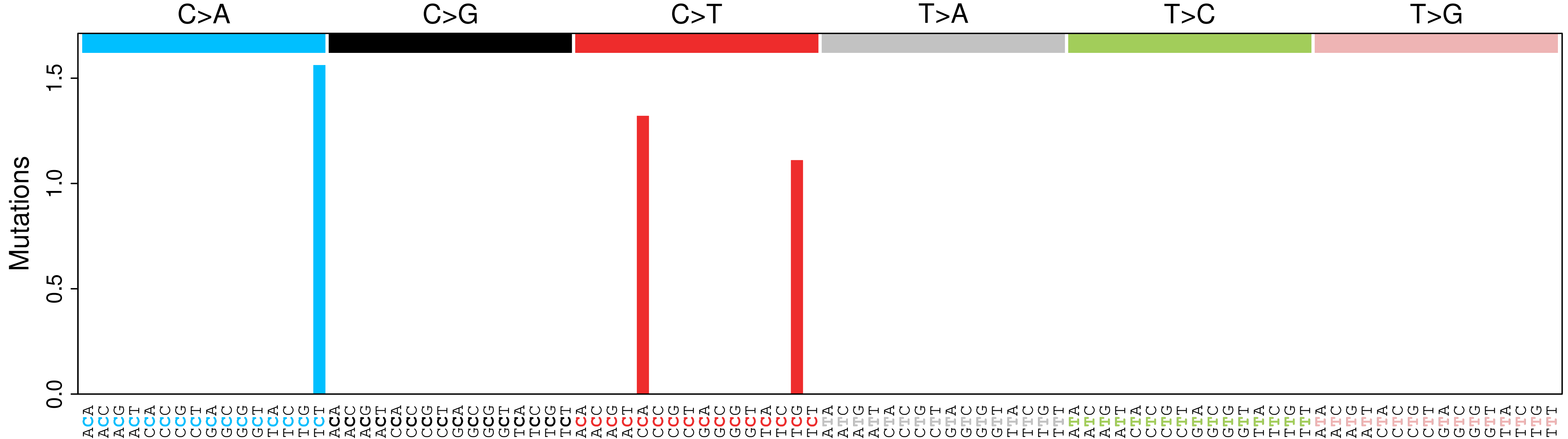
## CATD294a (125 mutations)



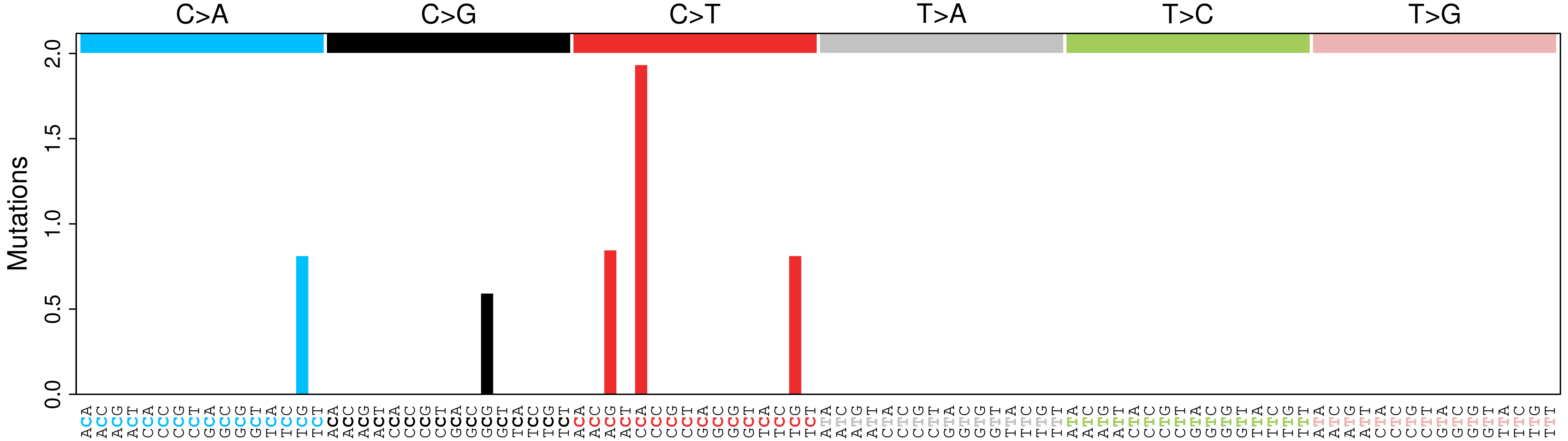
# CATD283a (13 mutations)



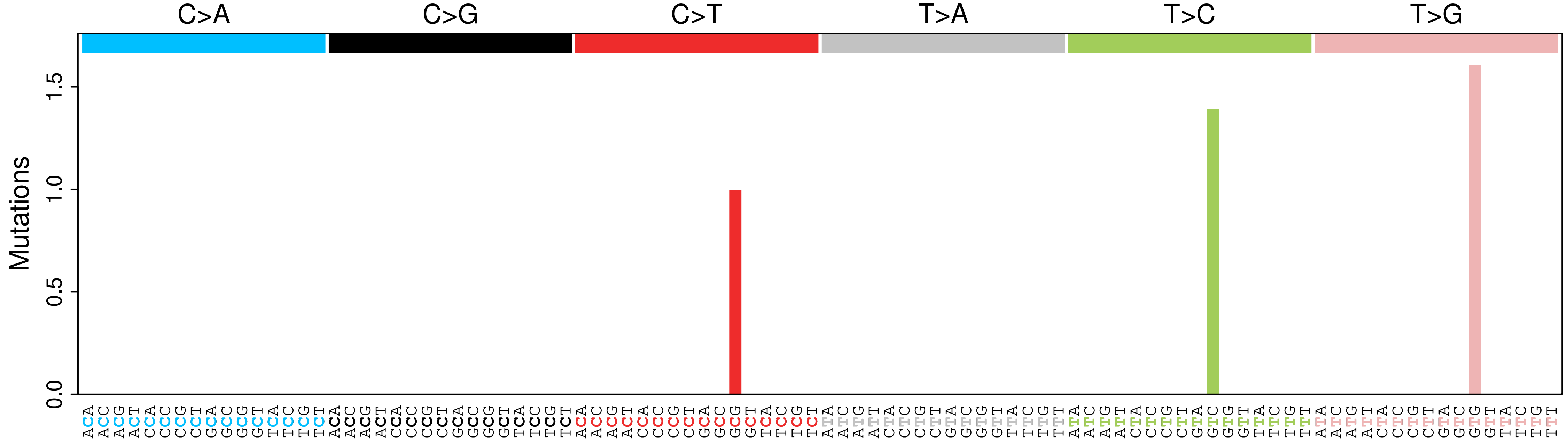
## CATD0645a (4 mutations)



# CATD0670a (5 mutations)



## CATD0650a (4 mutations)



## CATD289a (2 mutations)

$C > A$

C > G

$C > T$

**T>A**

 $T > C$ 

T>G

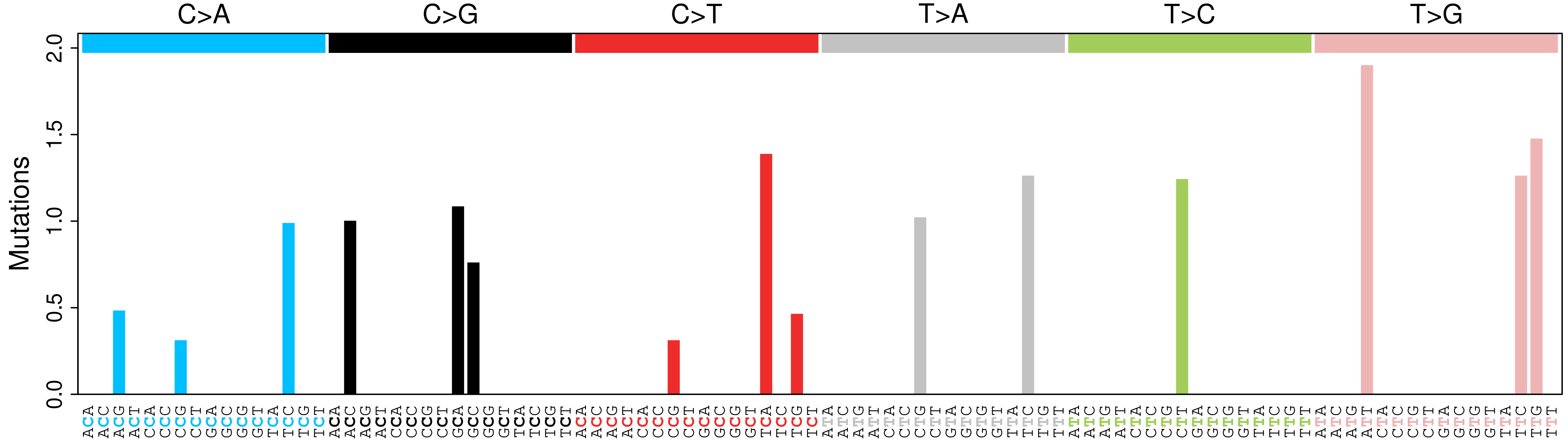
# Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4

AACAACGACTCCA  
CCCGCCTGA  
GCCGGGTTCATCCTTCTTTCAACACCAGACTC  
CACAGAACTCCCGCTTCAATTCAATCATC  
AATATACTCTCTTGTTTAATGATTAATTAATTA  
ATTAATTAATTAATTAATTAATTAATTAATTAATTA



# CATD0144a (15 mutations)



## CATD293a (4 mutations)

$C > A$

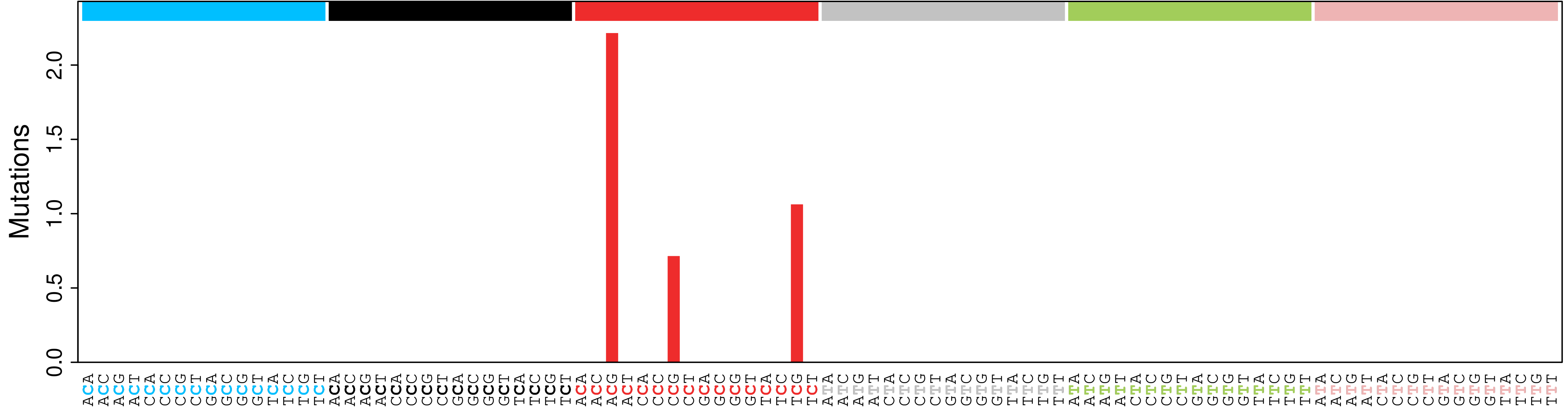
C > G

$$C > T$$

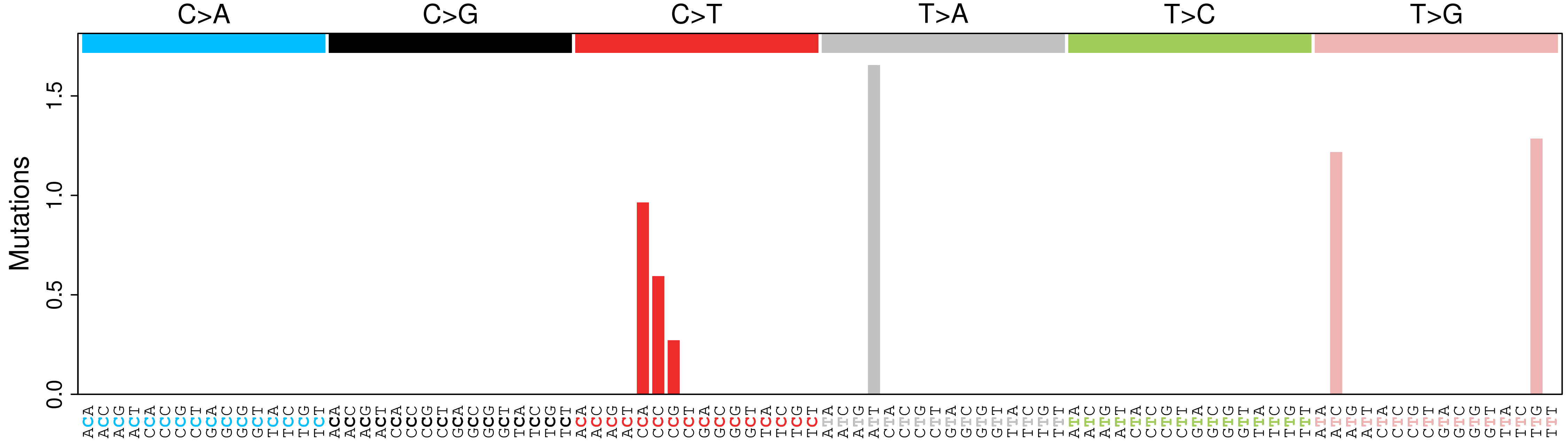
**T>A**

$$T > C$$

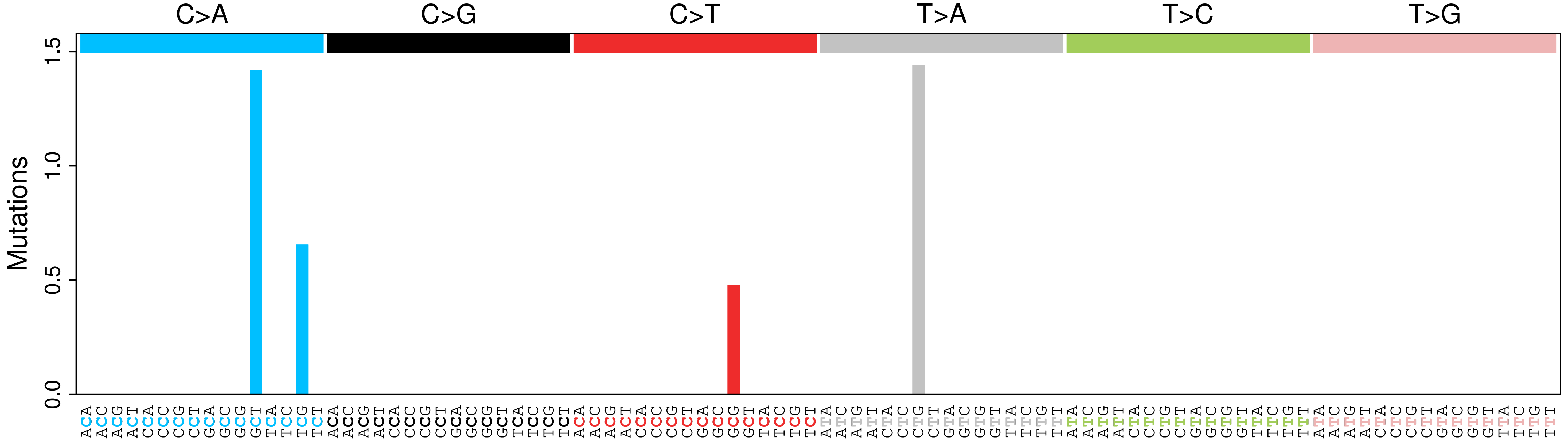
$T > G$



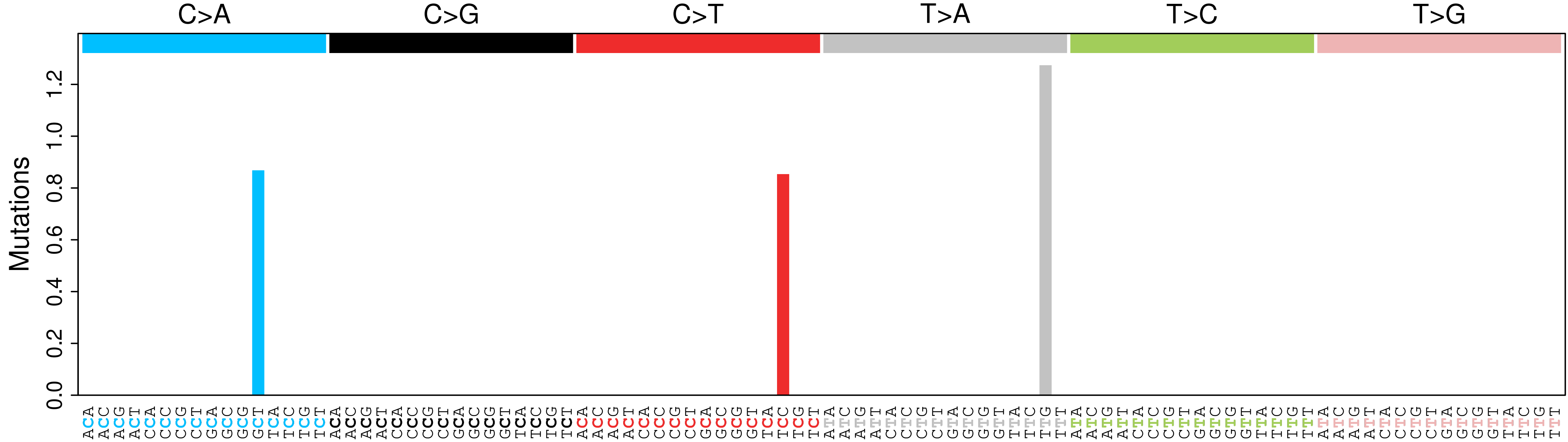
## CATD0668a (6 mutations)



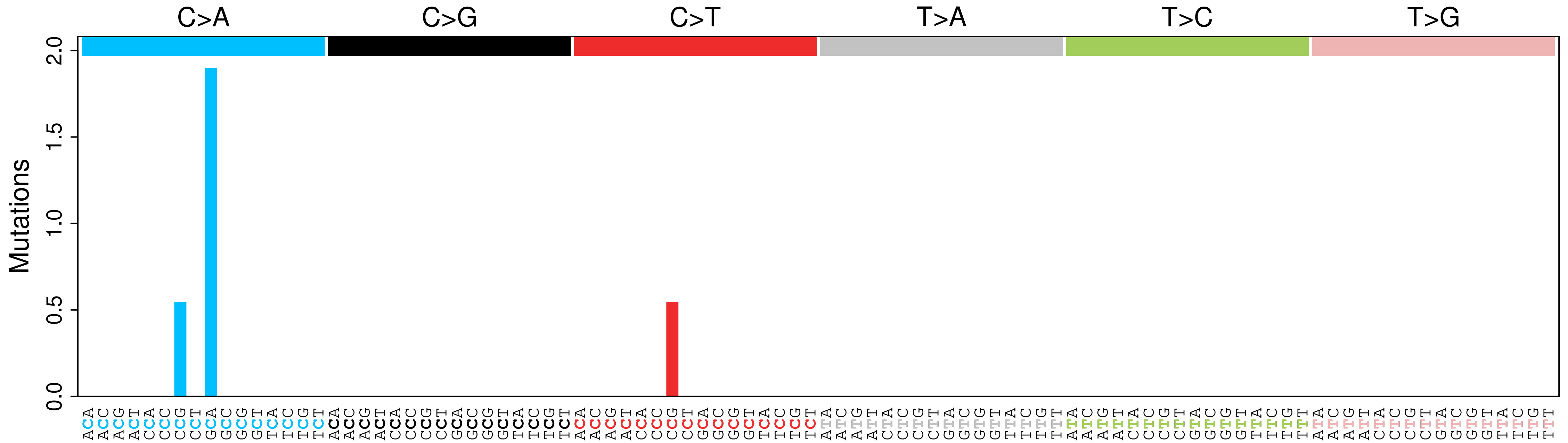
# CATD0146a (4 mutations)



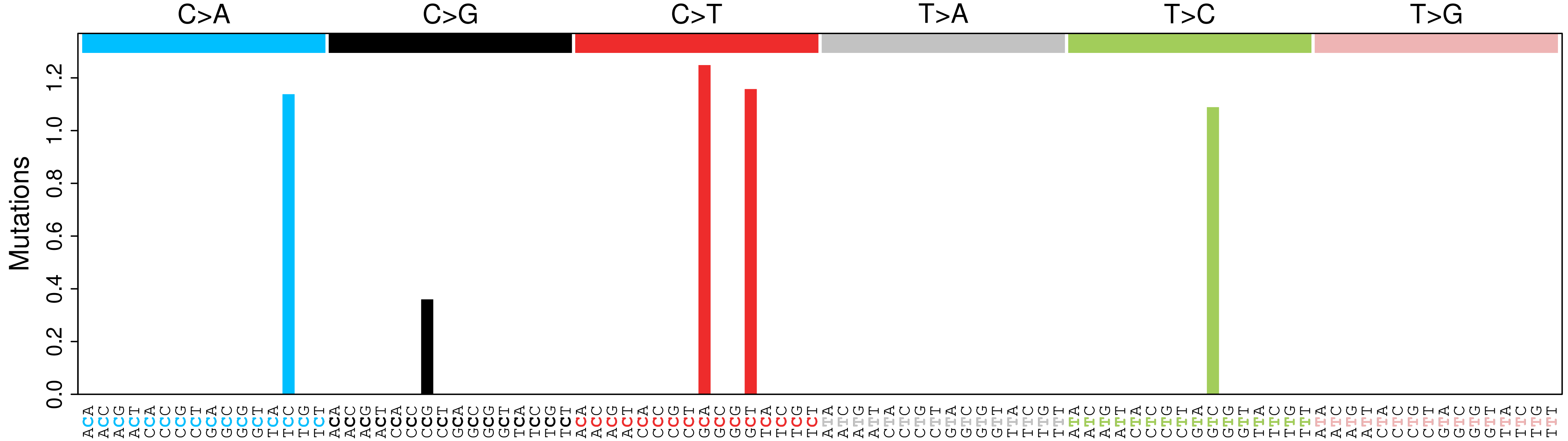
CATD0641a (3 mutations)



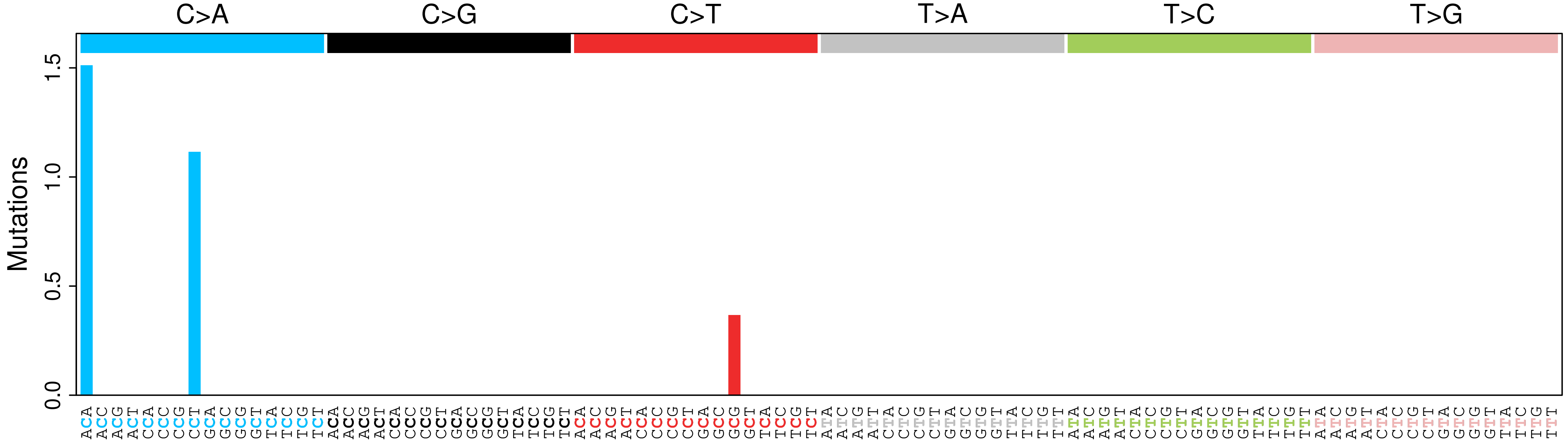
# CATD0143a (3 mutations)



## CATD0632a (5 mutations)

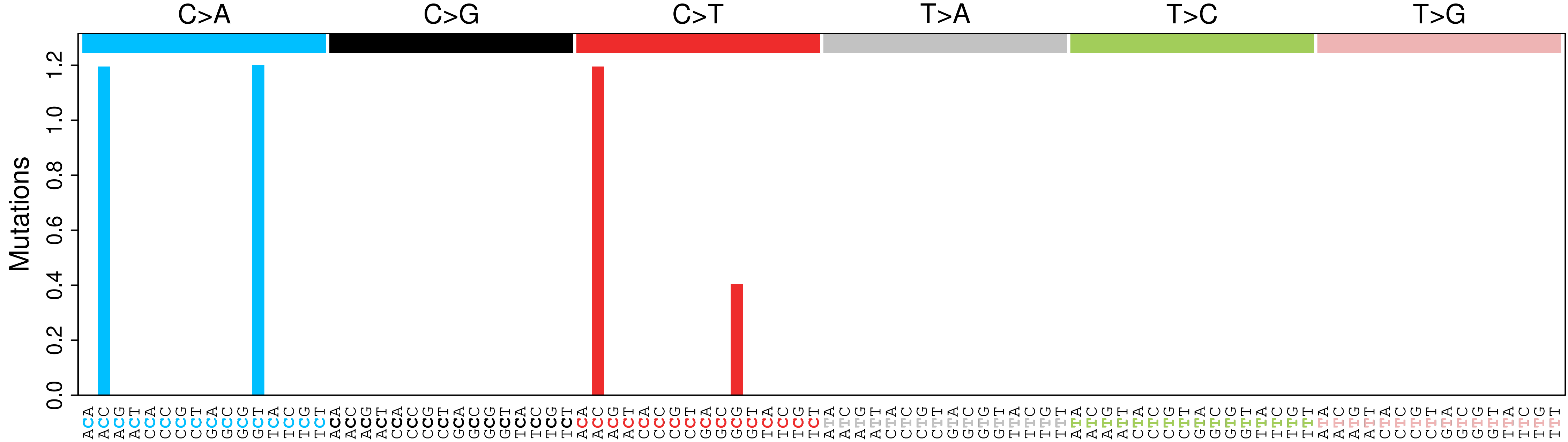


# CATD0633a (3 mutations)

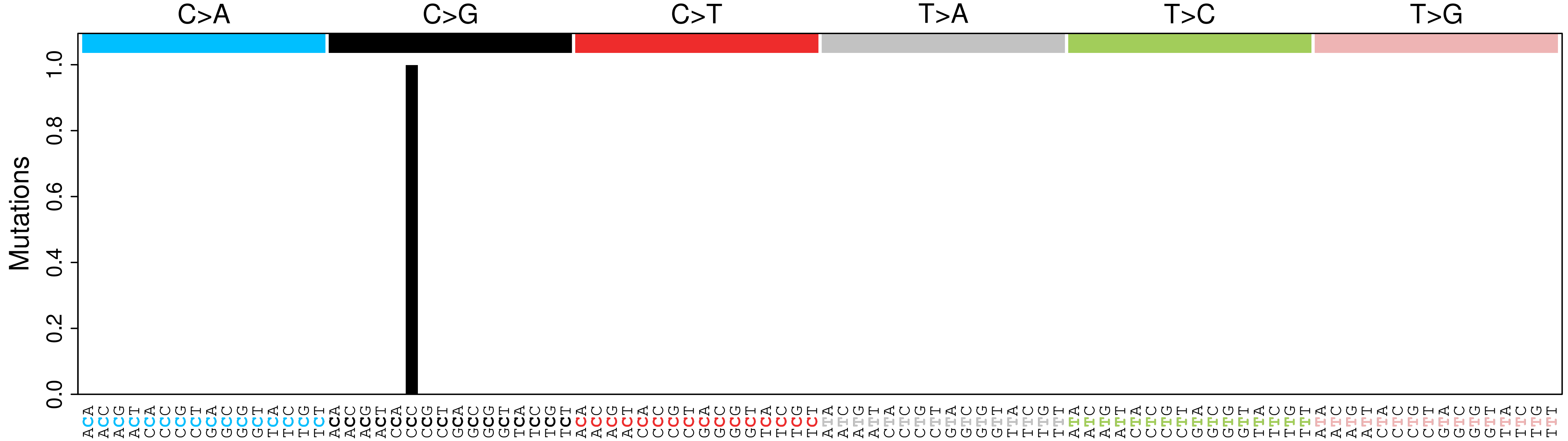




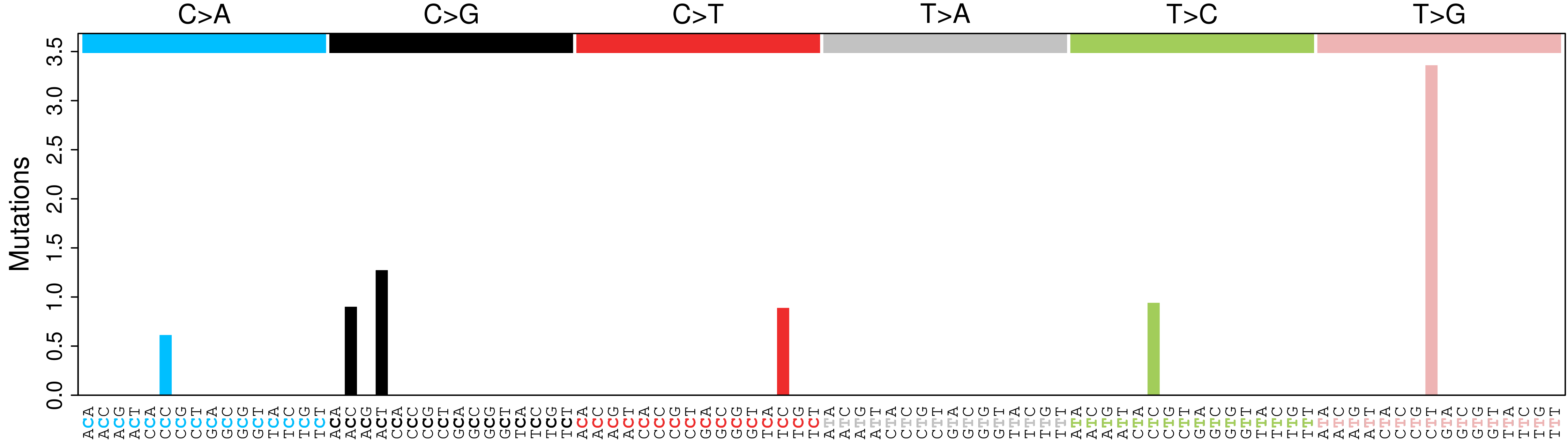
CATD0157a (4 mutations)



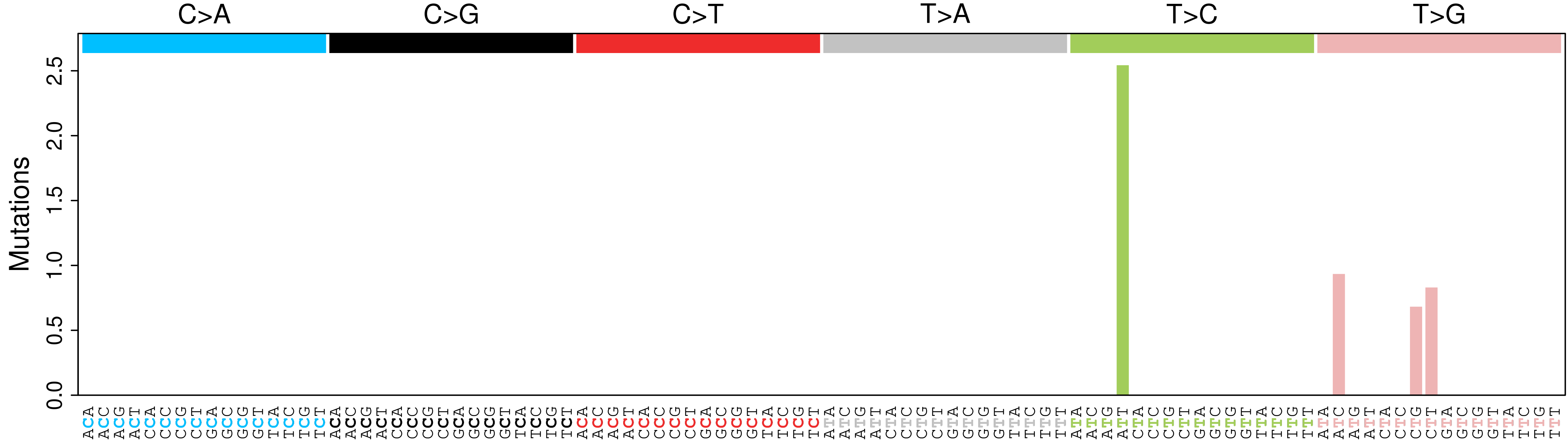
## CATD0147a (1 mutations)



CATD0145a (8 mutations)



CATD0159a (5 mutations)



# CATD0148a (3 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  
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CTT  
GTA  
GTC  
GTG  
GTT  
TTA  
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TTT

## CATD0153a (6 mutations)

$C > A$

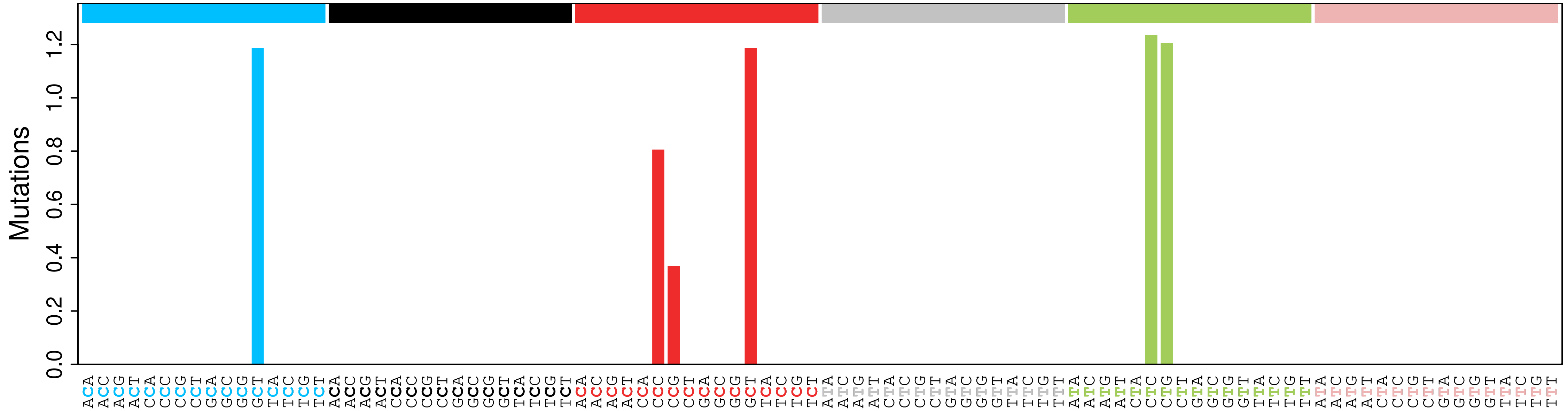
C > G

$C > T$

**T > A**

$$T > C$$

**T>G**



## CATD0635a (3 mutations)

**C > A**

C > G

$C > T$

**T > A**

$T > C$

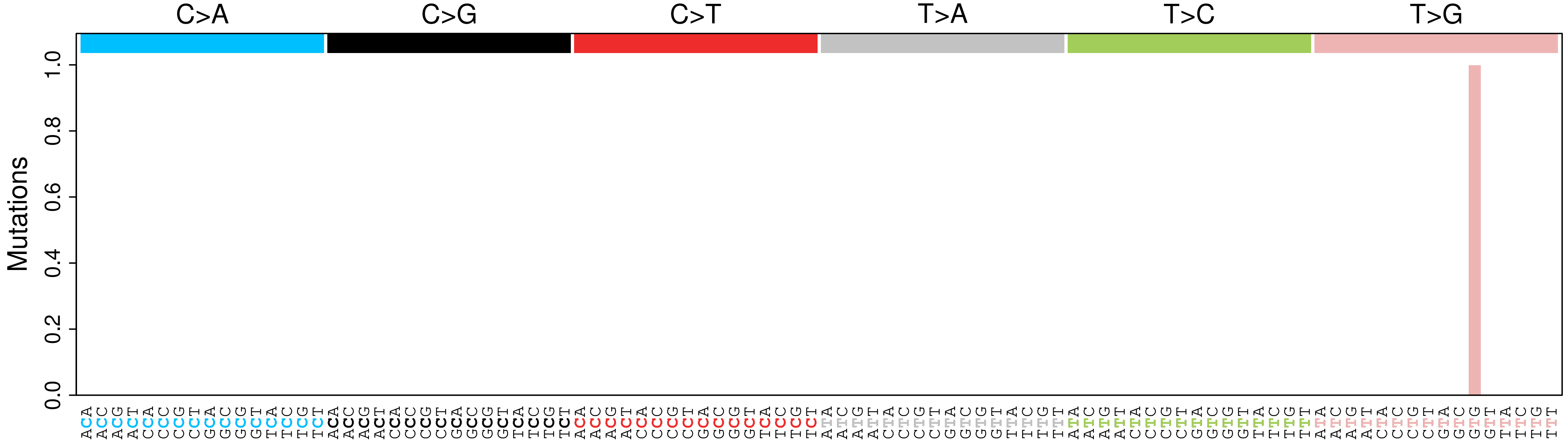
T>G

# Mutations

0.0 0.2 0.4 0.6 0.8 1.0 1.2

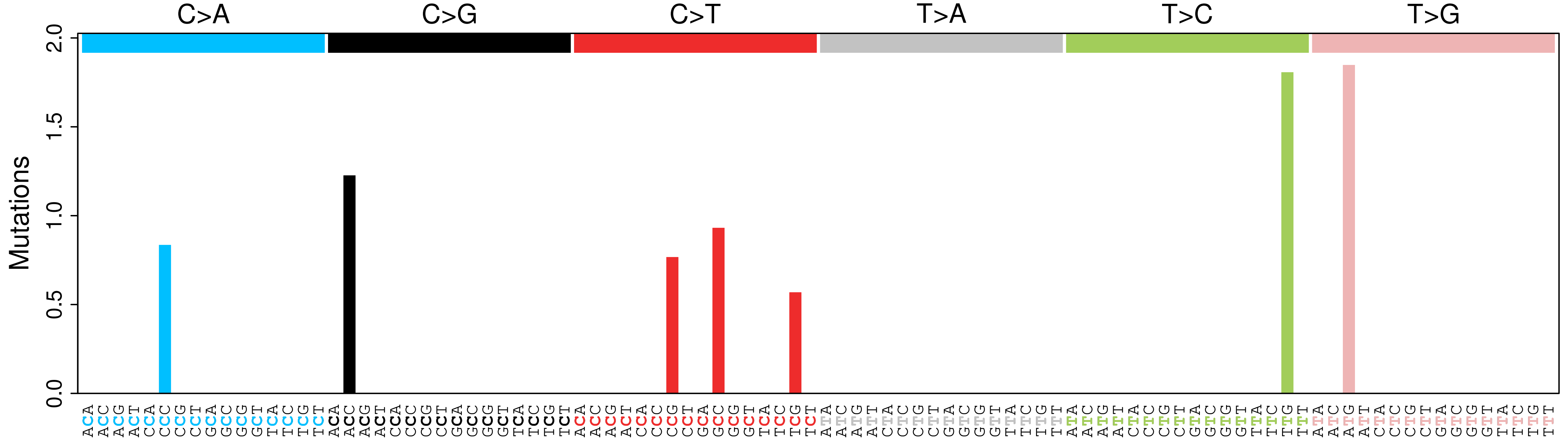
[illegible]

# CATD0646a (1 mutations)





# CATD295a (8 mutations)



## CATD290a (1 mutations)

$C > A$

$C > G$

$C > T$

**T>A**

 $T > C$ 

T>G

# Mutations

# 1.0

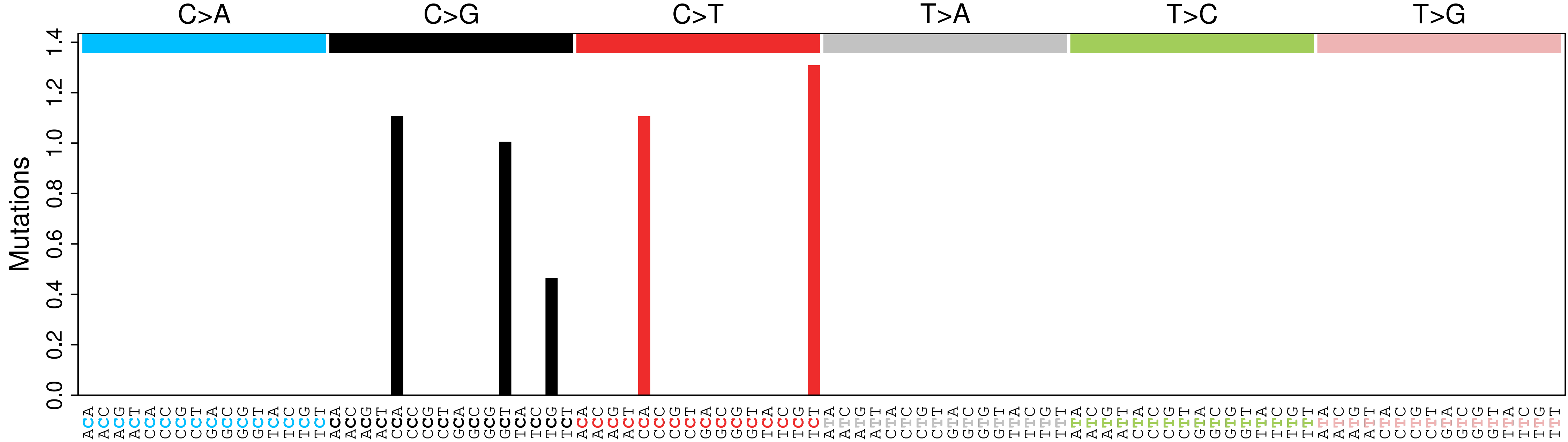
0

2

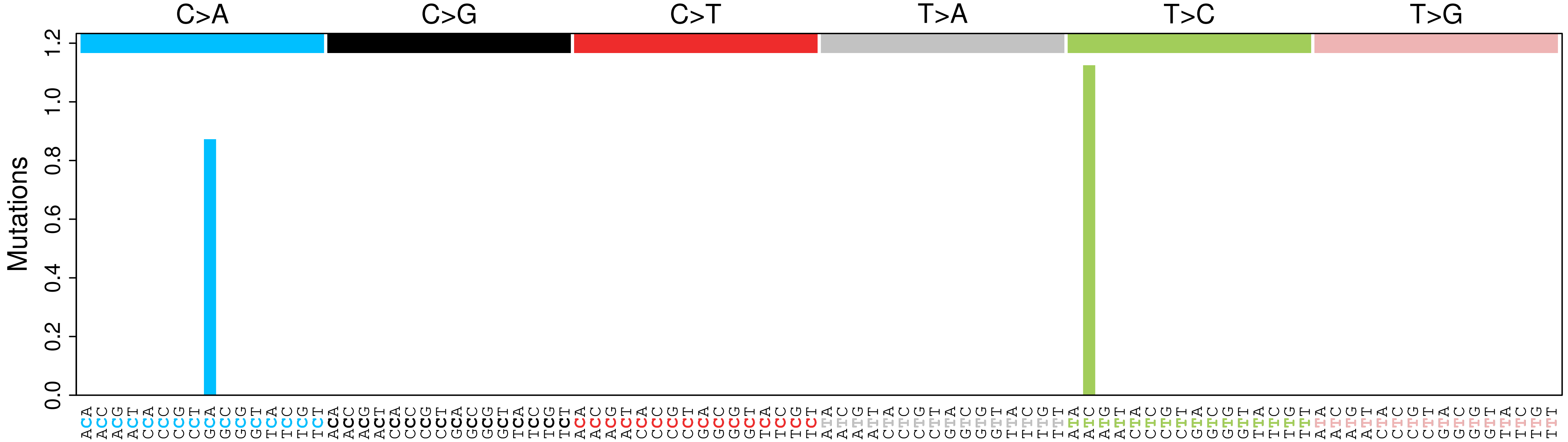
0.

[illegible]

CATD0142a (5 mutations)



# CATD291a (2 mutations)



# CATD284a (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



## CATD0150a (2 mutations)

$C > A$

C > G

$C > T$

**T > A**

$$T > C$$

**T>G**

# Mutations

## 1.2

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19

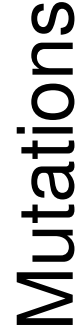
#### 0.4

0.2

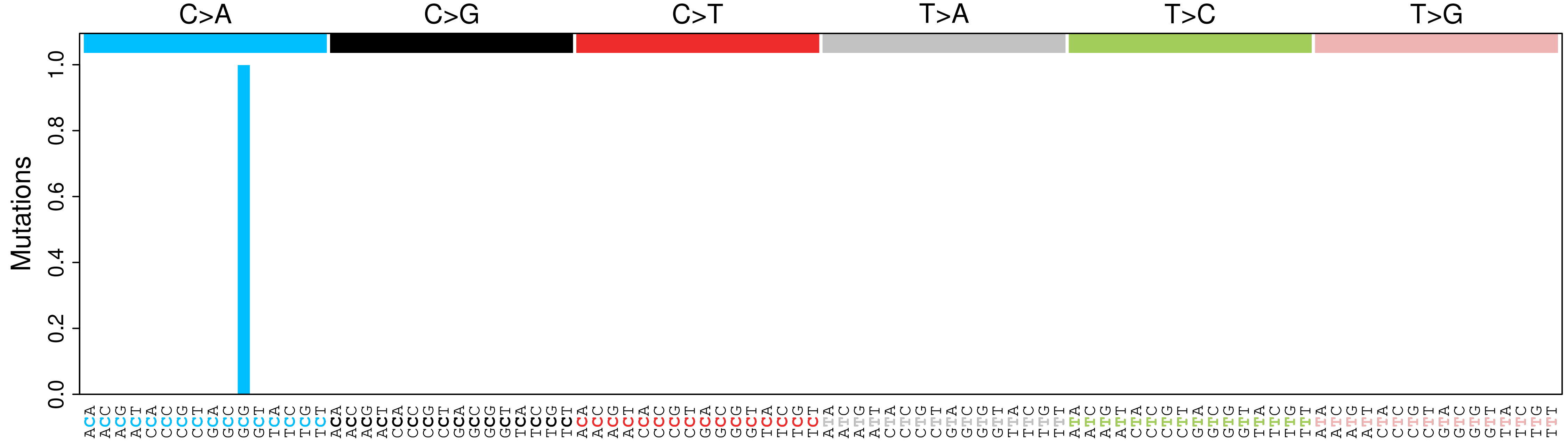
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ACA  
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## CATD0156a (3 mutations)

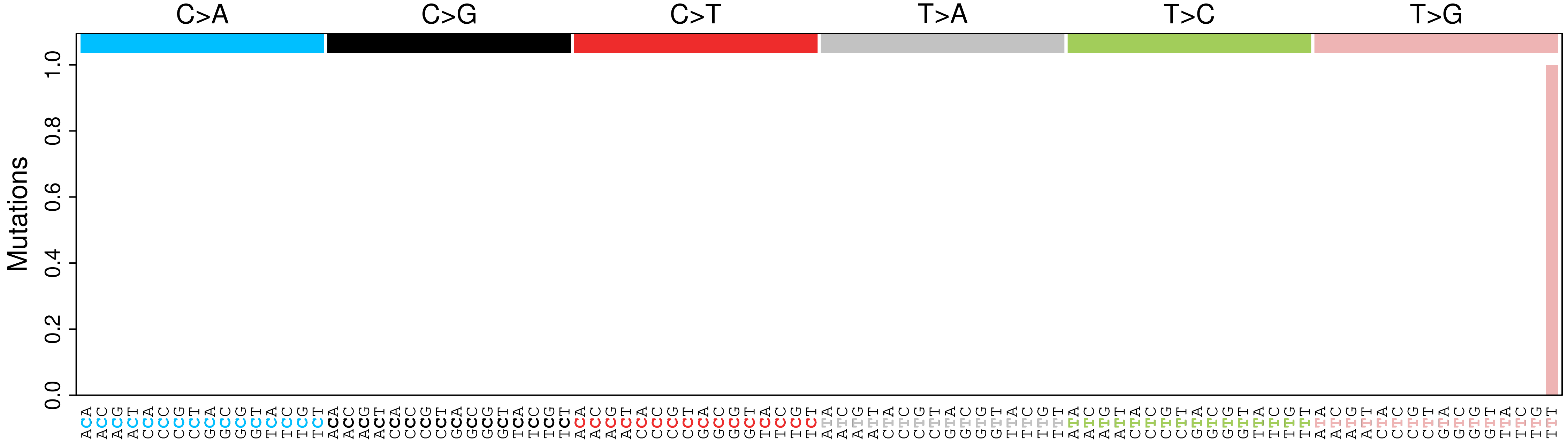


## CATD0154a (1 mutations)





# CATD0651a (1 mutations)



CATD0152a (1 mutations)

