

# 1\_2\_dimethylhydrazine\_9cffdc696a32

C>A

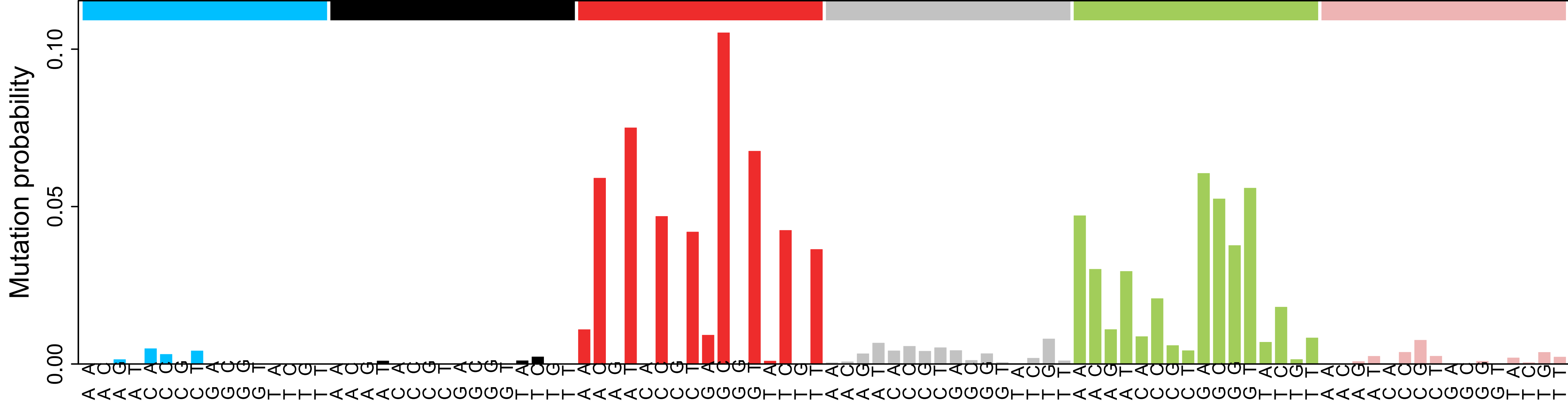
C>G

C>T

T>A

T>C

T>G



# 1\_2\_dimethylhydrazine\_ef5d55b18c9c



# 1\_4\_benzoquinone\_2d25052e44b1

C>A

C>G

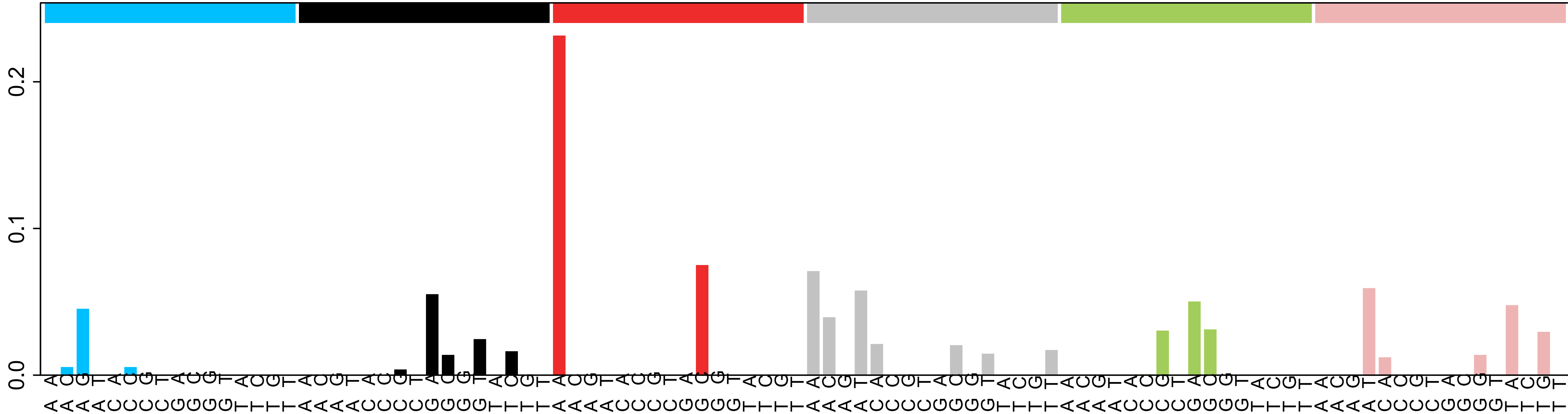
C>T

T>A

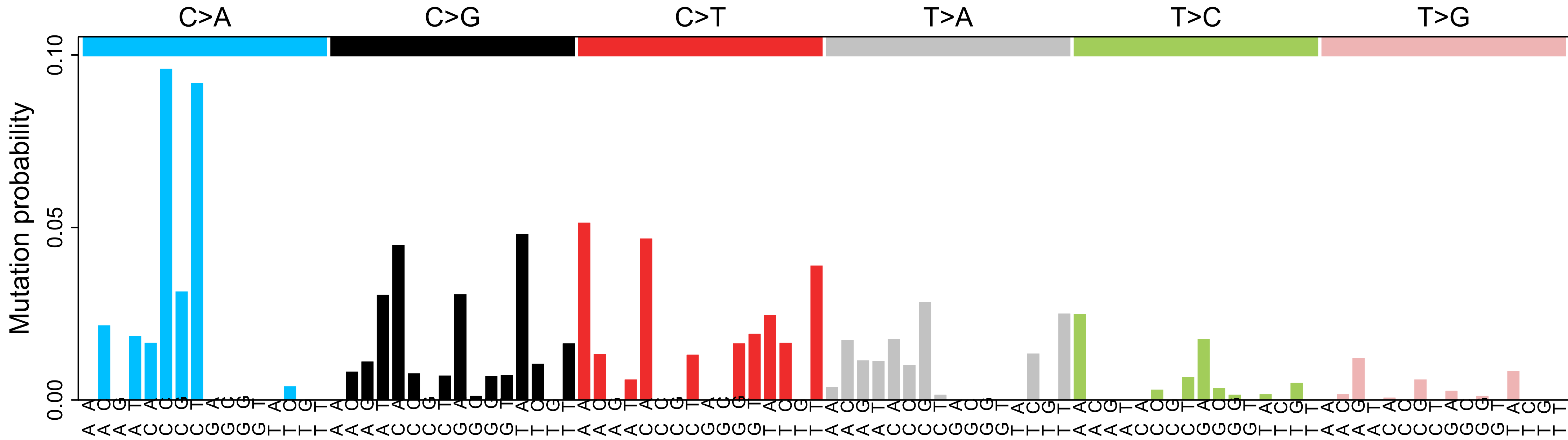
T>C

T>G

Mutation probability



## 1\_6\_dinitropyrene\_77c0ec6159e4





# 1\_nitropyrene\_2c37b07dec5a

C>A

C>G

C>T

T>A

T>C

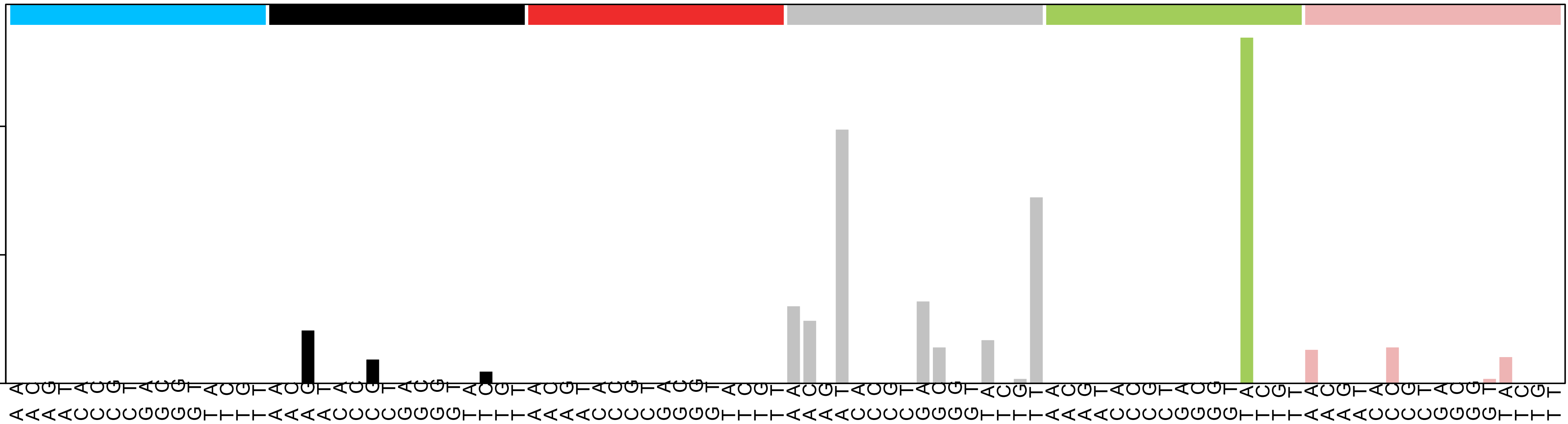
T>G

Mutation probability

0.2

0.1

0.0



# 2\_6\_dimethylaniline\_3de14f6a14d9

C>A

C>G

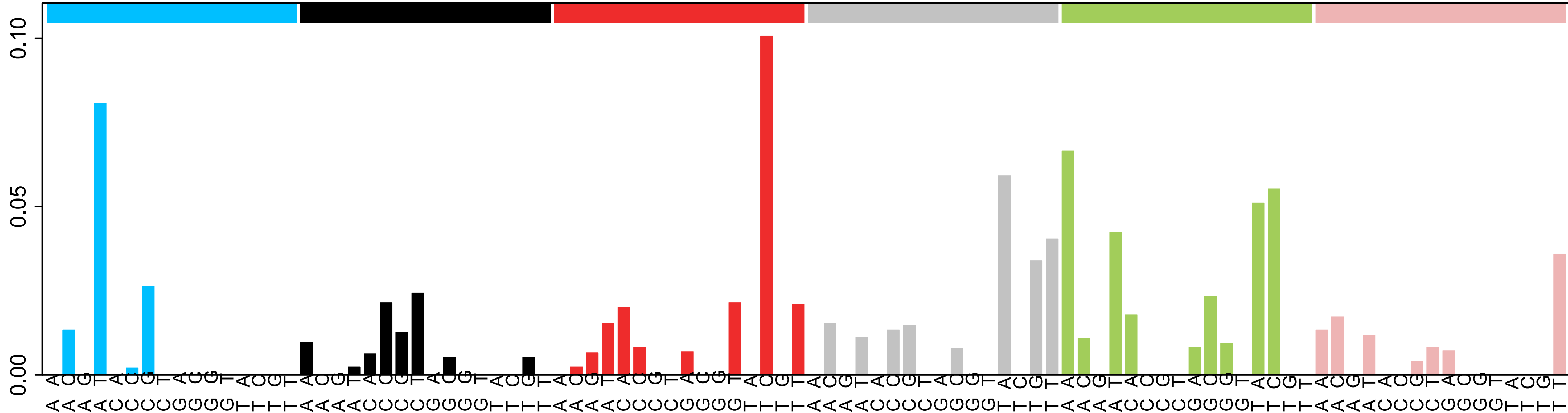
C>T

T>A

T>C

T>G

Mutation probability

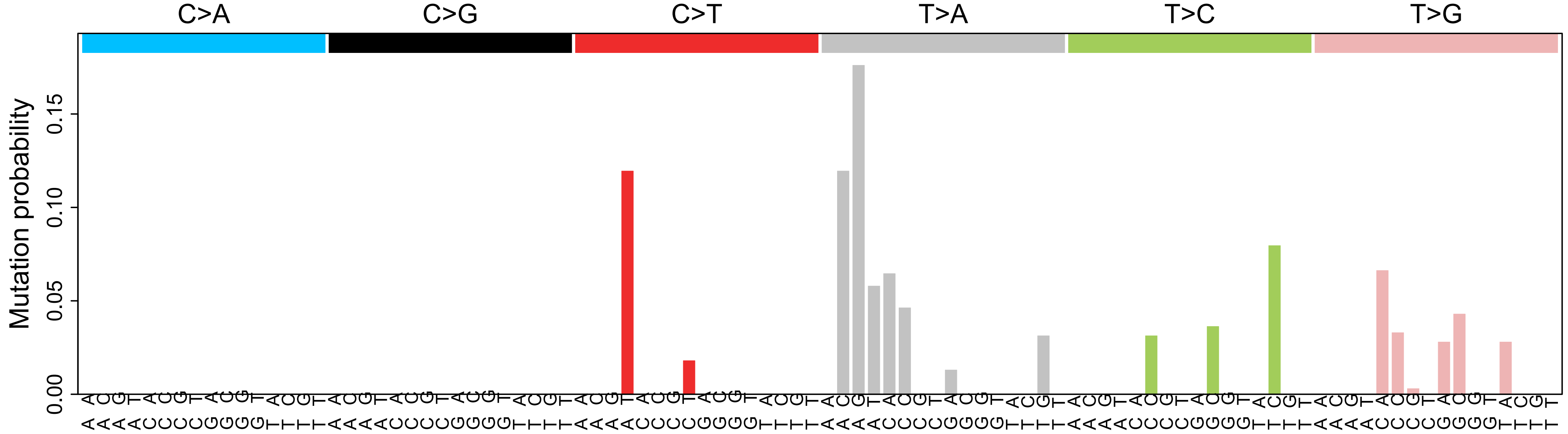








**2\_amino\_3\_8\_dimethylimidazo4\_5\_fquinoxaline\_d2762690cb73**



**2\_amino\_3\_methyl\_9h\_pyrido2\_3\_bindole\_f10529056af1**

**C>A**

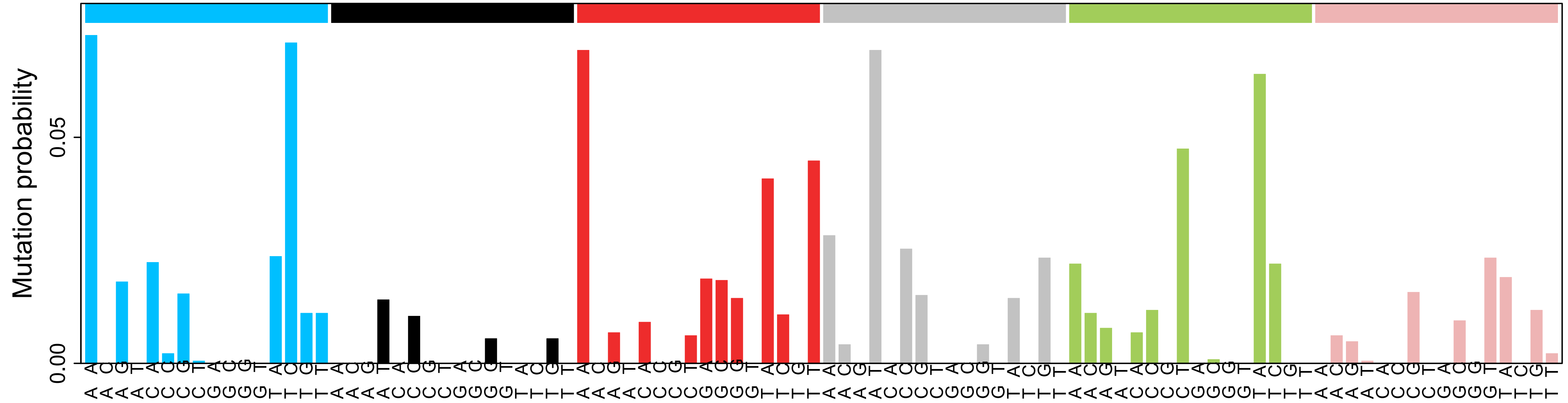
C>G

**C>T**

**T > A**

**T>C**

T>G



# 2\_amino\_3\_methylimidazo4\_5\_fquinoline\_0e3b1136946a

C>A

C>G

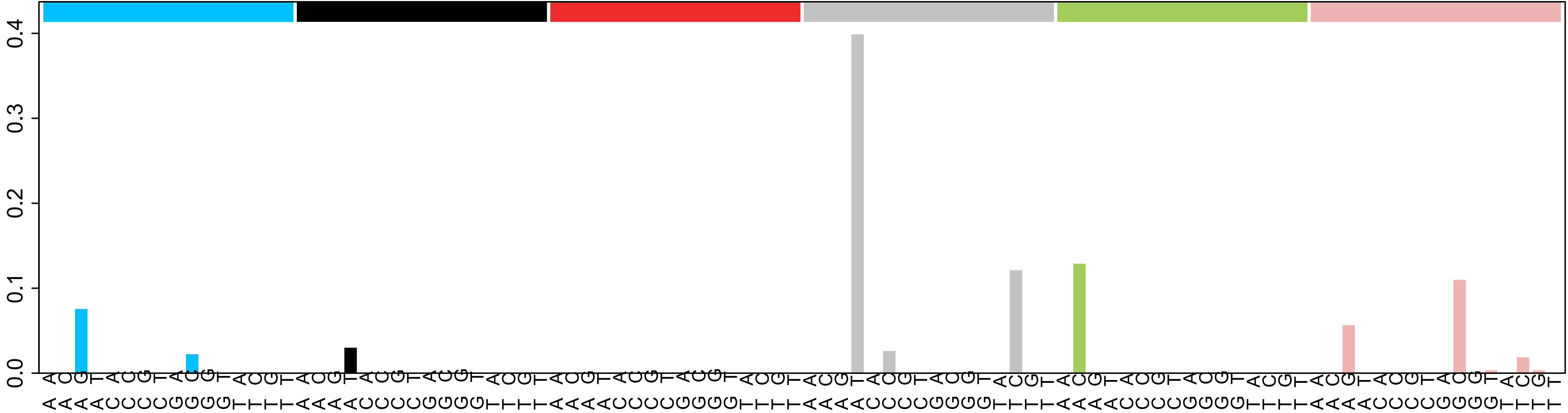
C>T

T>A

T>C

T>G

Mutation probability





# 2\_naphthylamine\_8d0ae6c5590e

C>A

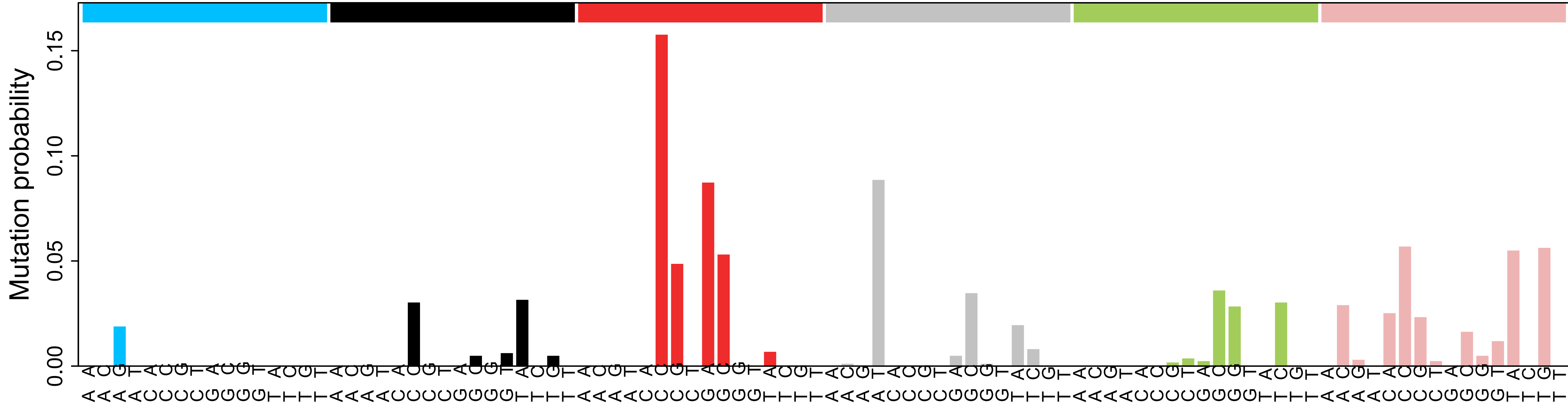
C>G

C>T

T>A

T>C

T>G



# 2\_nitrofluorene\_d908deea4861

C>A

C>G

C>T

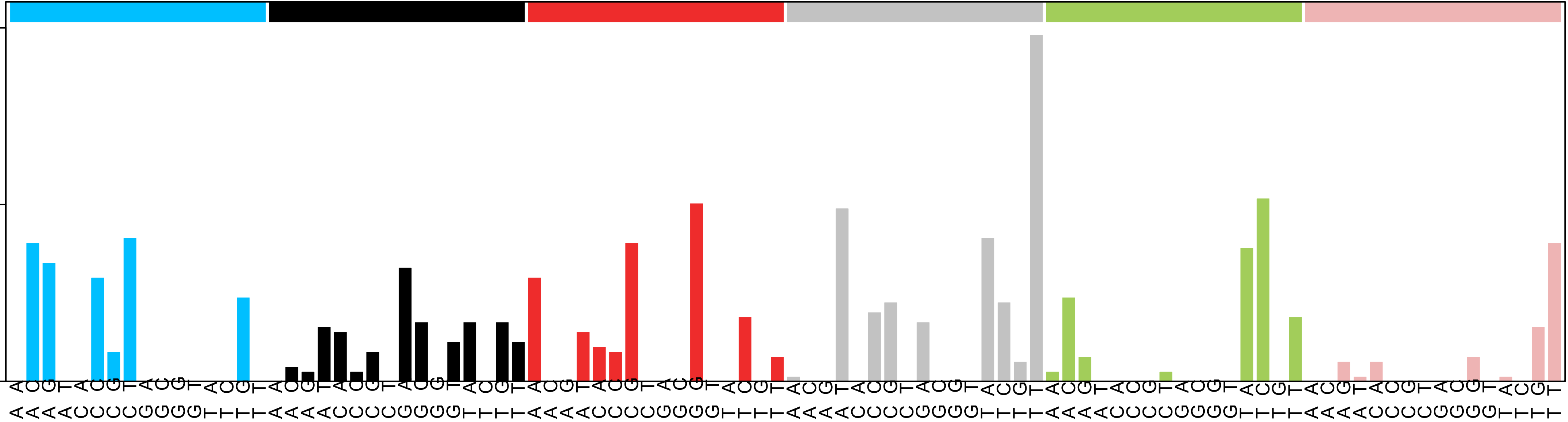
T>A

T>C

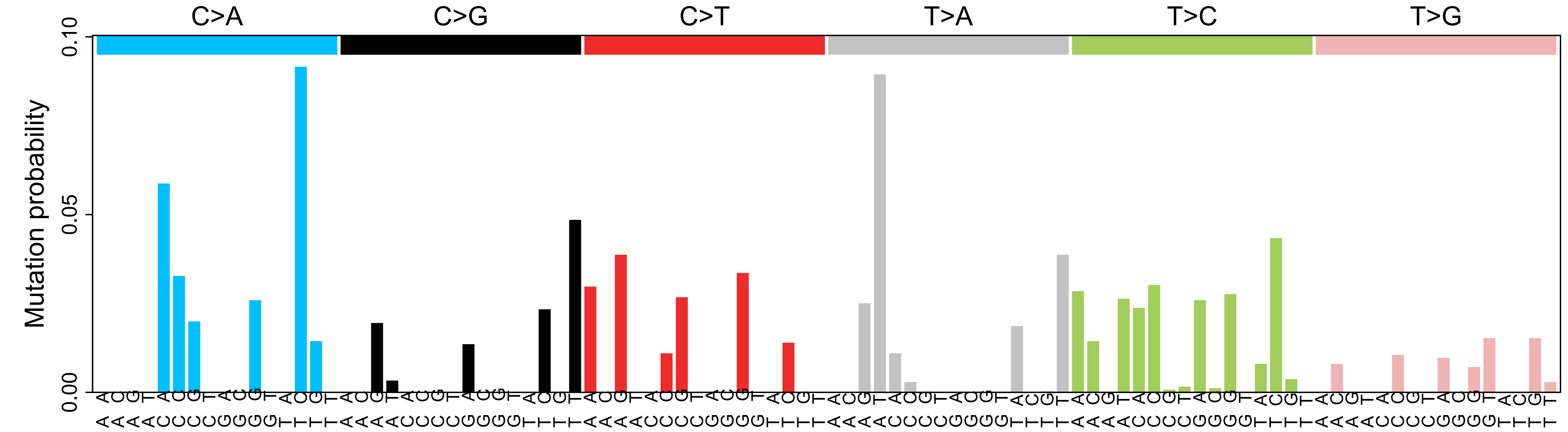
T>G

Mutation probability

0.10  
0.05  
0.00



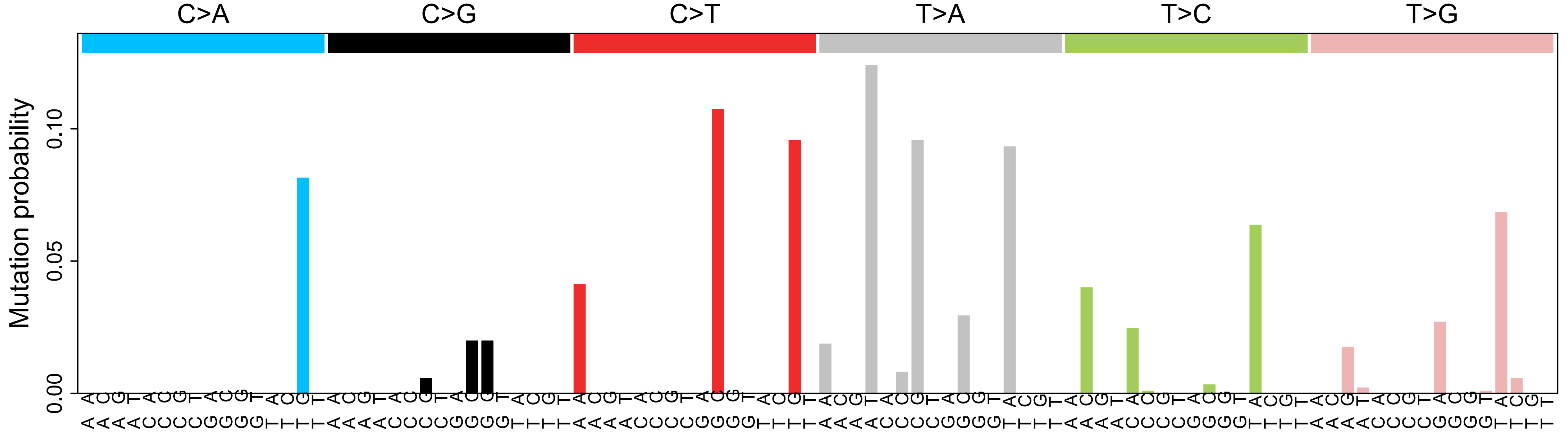
## 2\_nitrotoluene\_d1b70070133b



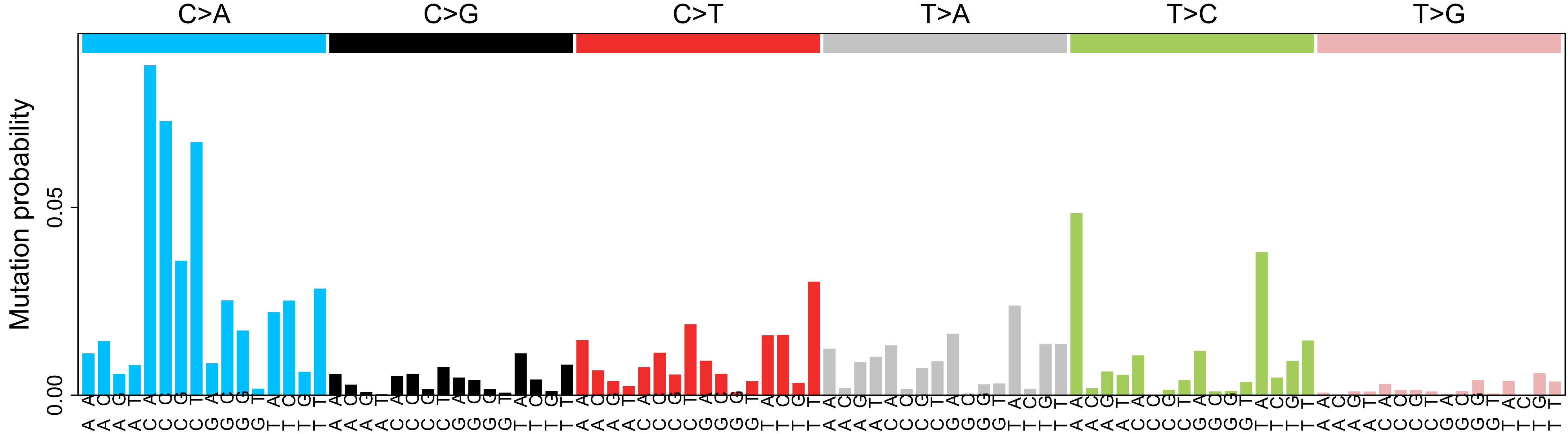




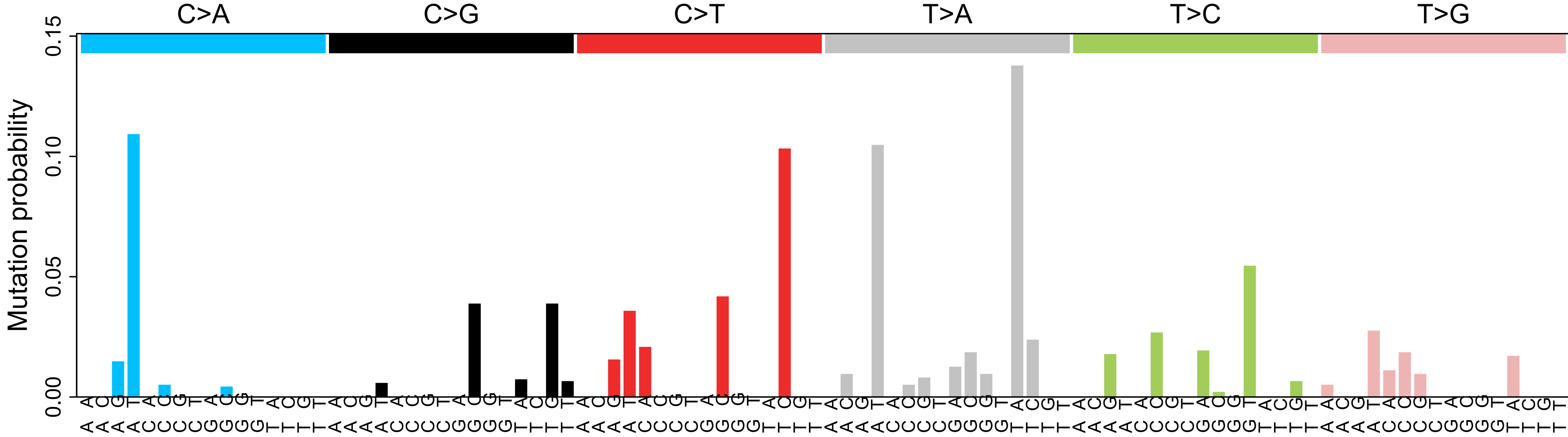
3\_chloro\_4\_dichloromethyl\_5\_hydroxy\_25h\_furanone\_e40d11eac1ce



3\_nitrobenzanthrone\_8bc52f809fe4



# 4\_4\_methylene\_bis2\_chloroaniline\_10dc00a2ca17



# 4\_4\_methylene\_bis2\_chloroaniline\_b43861ea935b

C>A

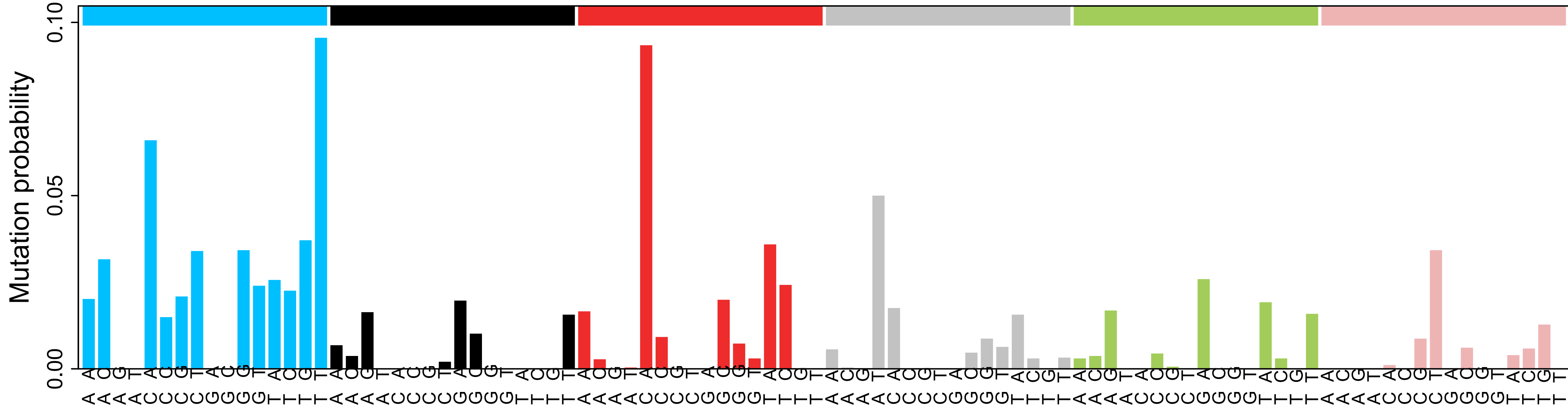
C>G

C>T

T>A

T>C

T>G



# 4\_aminobiphenyl\_dfa9b811bd76

C>A

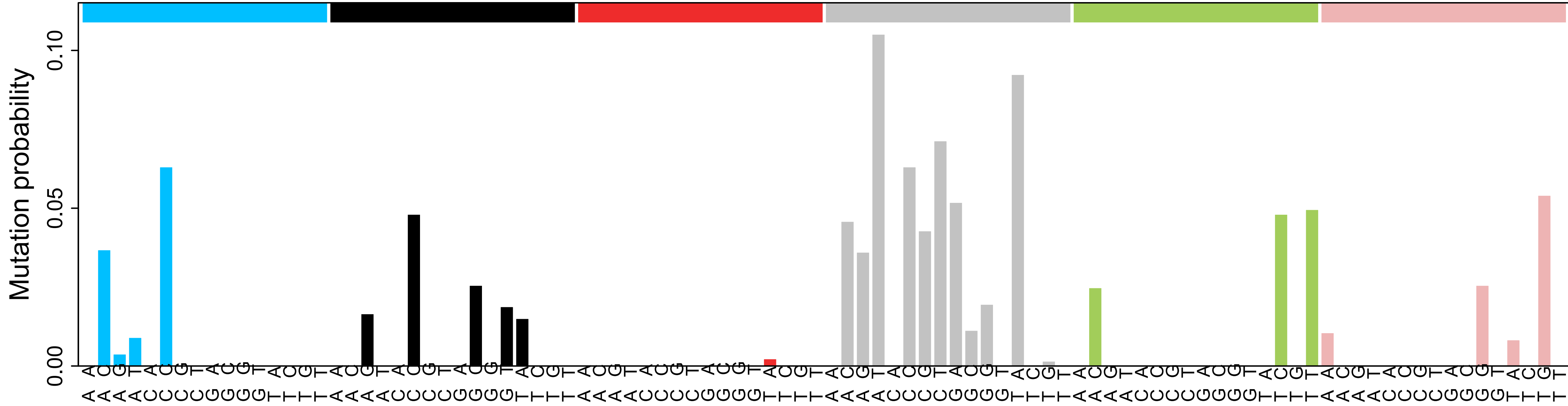
C>G

C>T

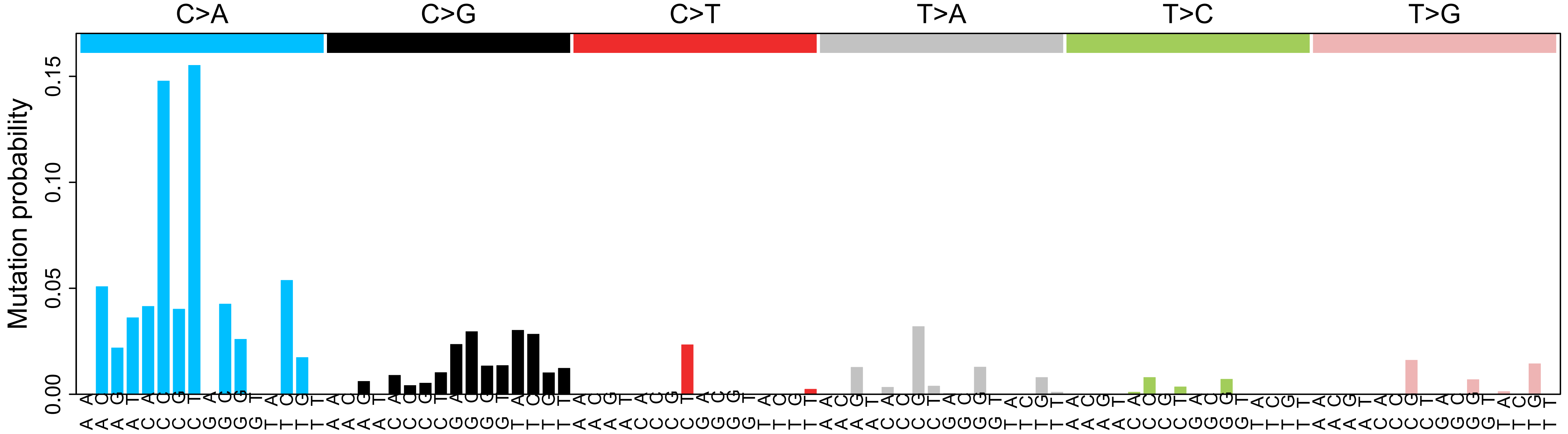
T>A

T>C

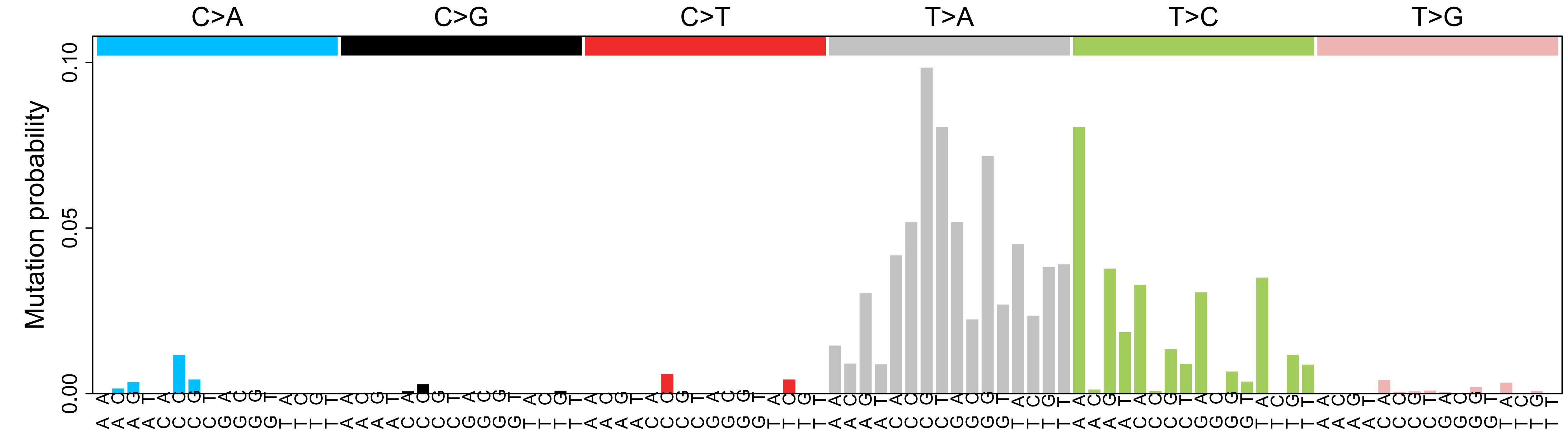
T>G



## 5\_methylchrysene\_5b2e180a87c7



**6\_nitrochrysene\_2a37dfc605b1**





**6\_nitrochrysene\_fd4adb4298d0**

**C>A**

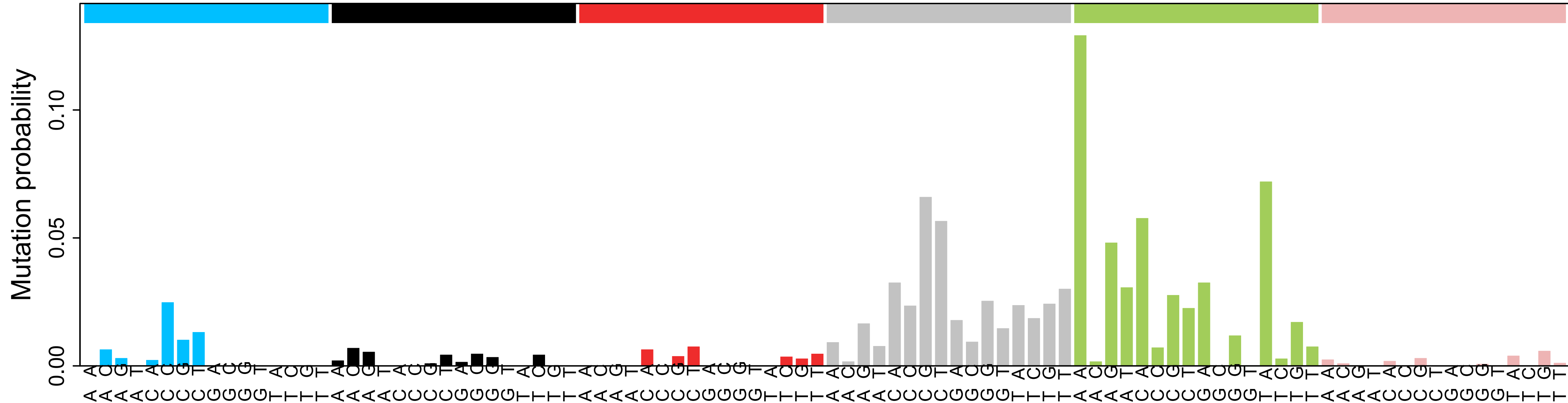
C>G

C>T

**T>A**

**T>C**

**T>G**



# 7h\_dibenzoc\_gcarbazole\_af112efa14d2

C>A

C>G

C>T

T>A

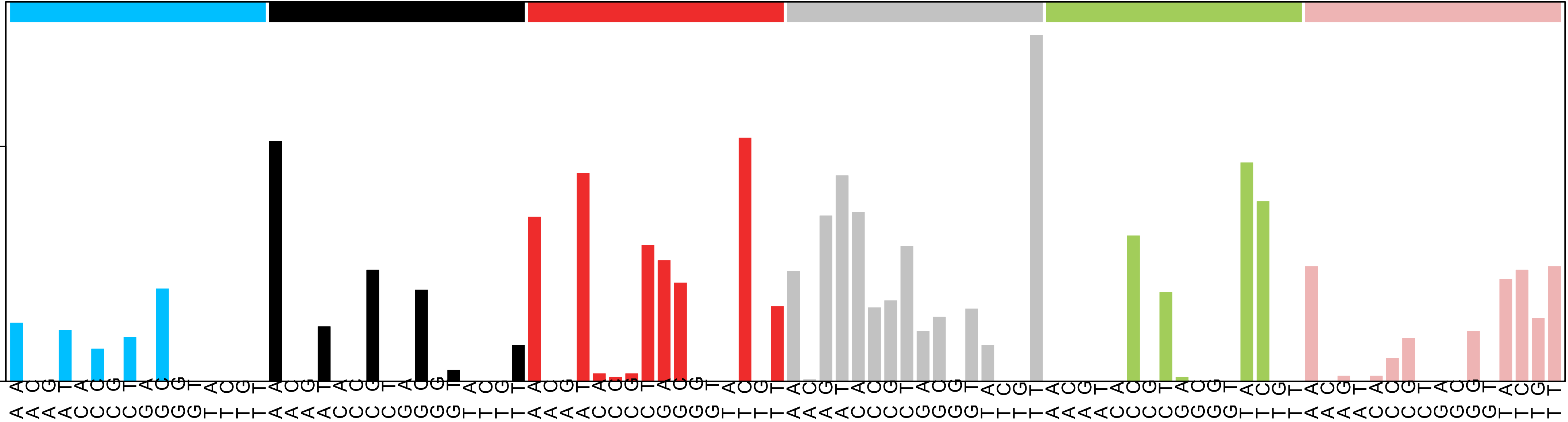
T>C

T>G

Mutation probability

0.05

0.00



# 7h\_dibenzoc\_gcarbazole\_b48114ea8899

C>A

C>G

C>T

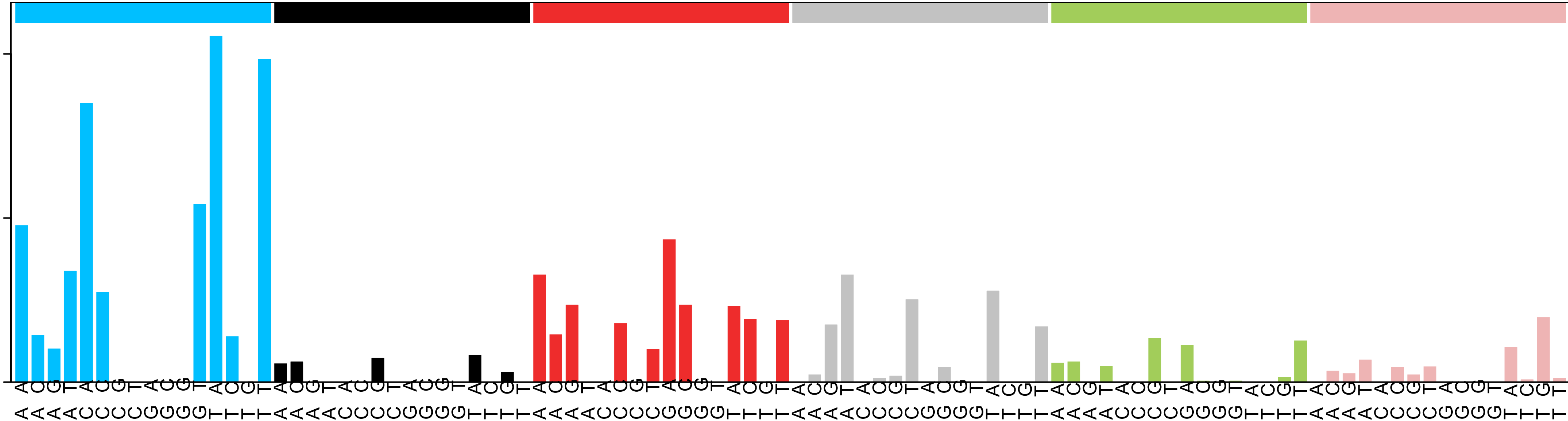
T>A

T>C

T>G

Mutation probability

0.10  
0.05  
0.00



**acetaldehyde\_9fde73f6e508**

$C > A$

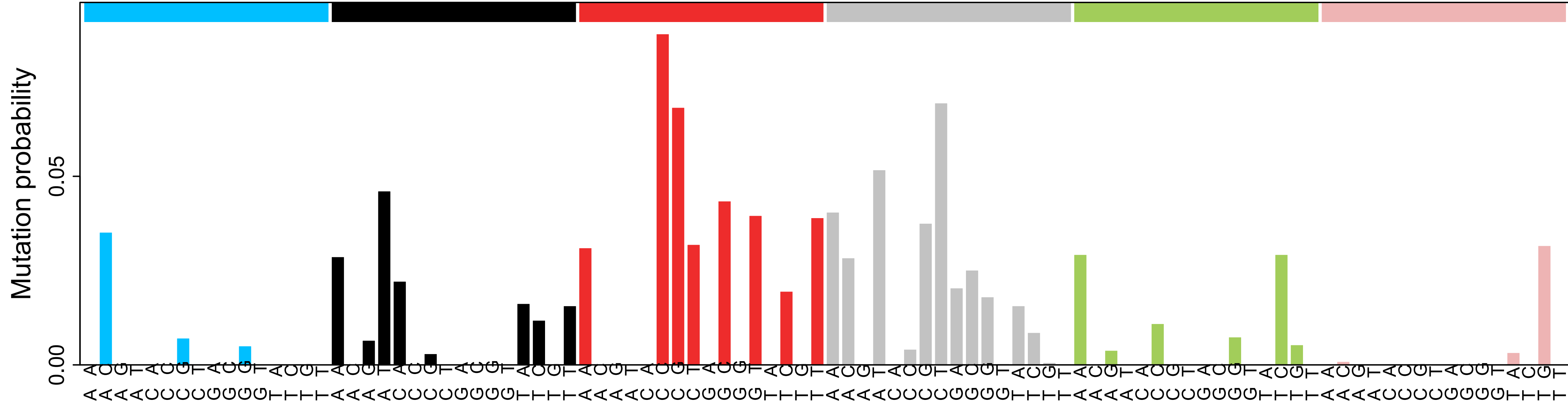
C>G

C>T

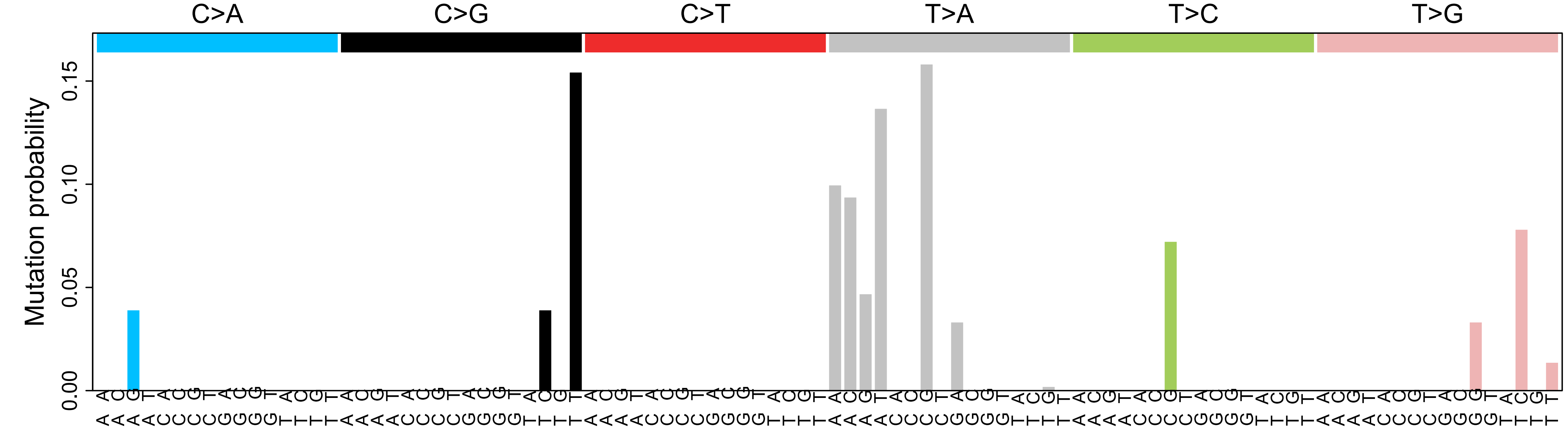
**T>A**

$T > C$

T>G



**acrolein\_7e28b8bb4834**



**acrylamide\_fc03d8ed1dc2**

**C>A**

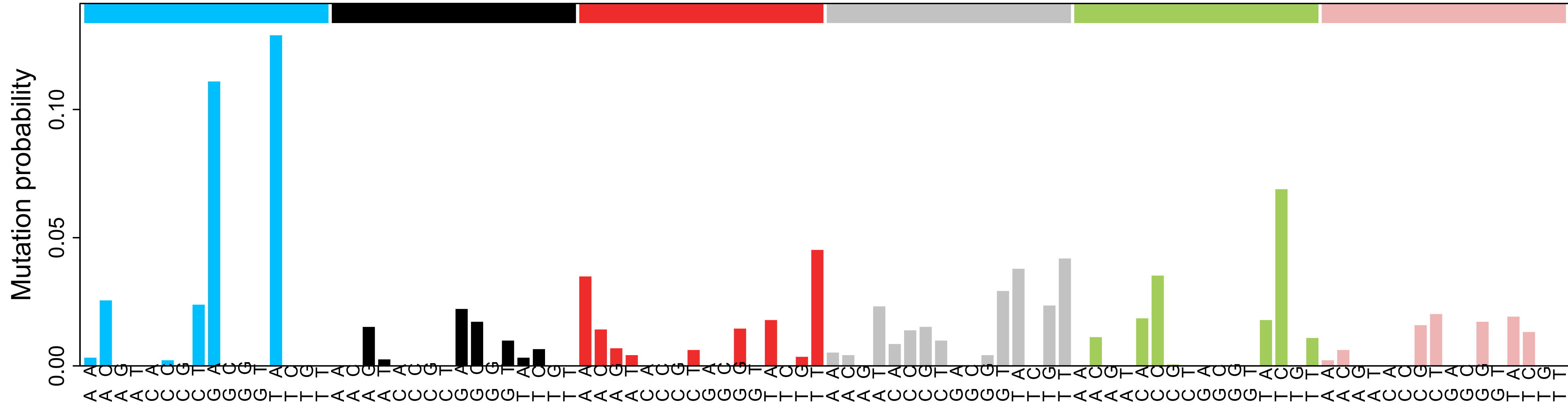
C>G

C>T

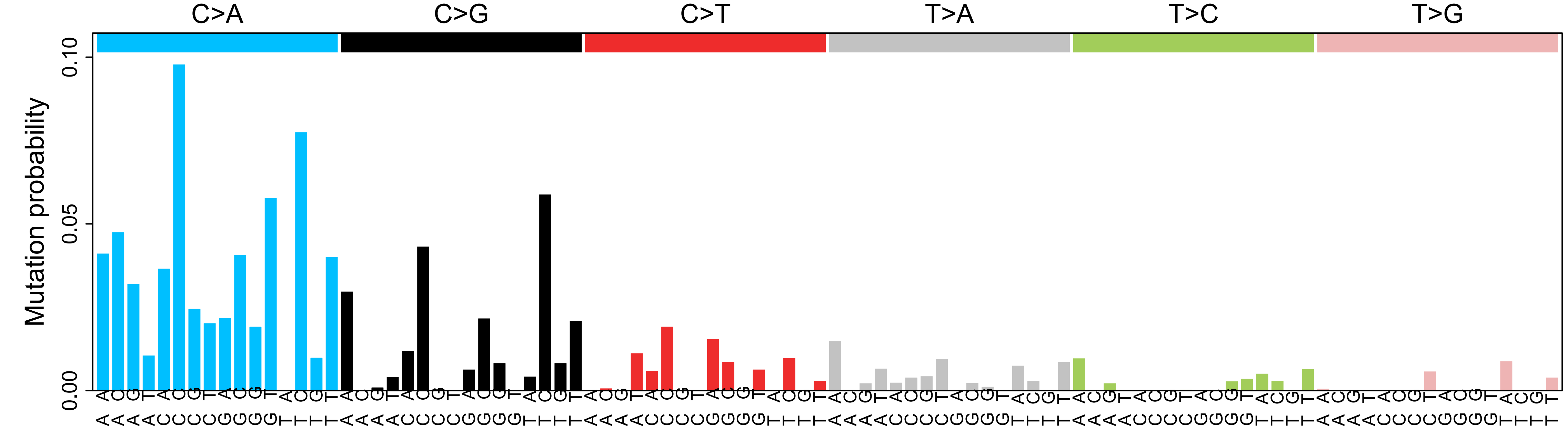
**T>A**

$T > C$

T>G



**aflatoxin\_b1\_60c8b83450ec**









**az20\_e8f89cf2ec16**

$C > A$

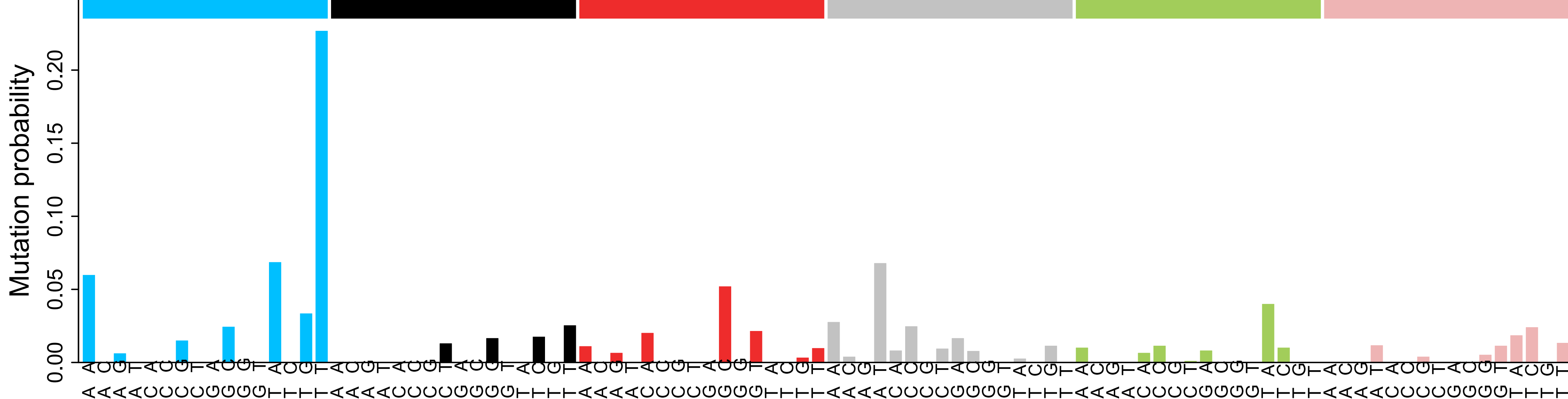
C>G

C>T

**T > A**

$$T > C$$

**T>G**



**azd7762\_c62b92e2486a**

$C > A$

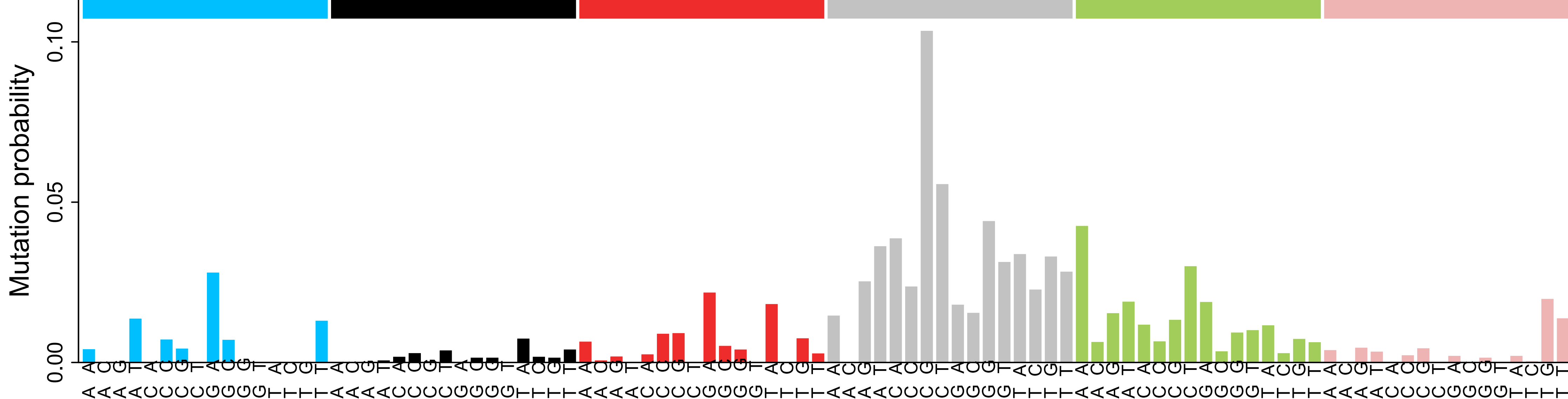
C>G

C>T

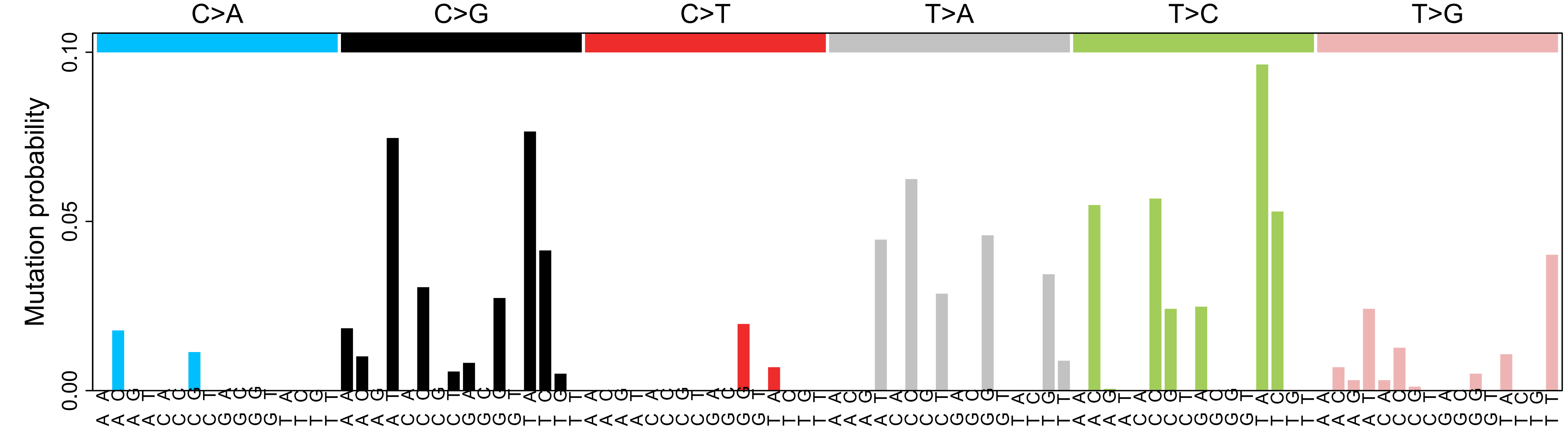
**T > A**

**T>C**

**T>G**

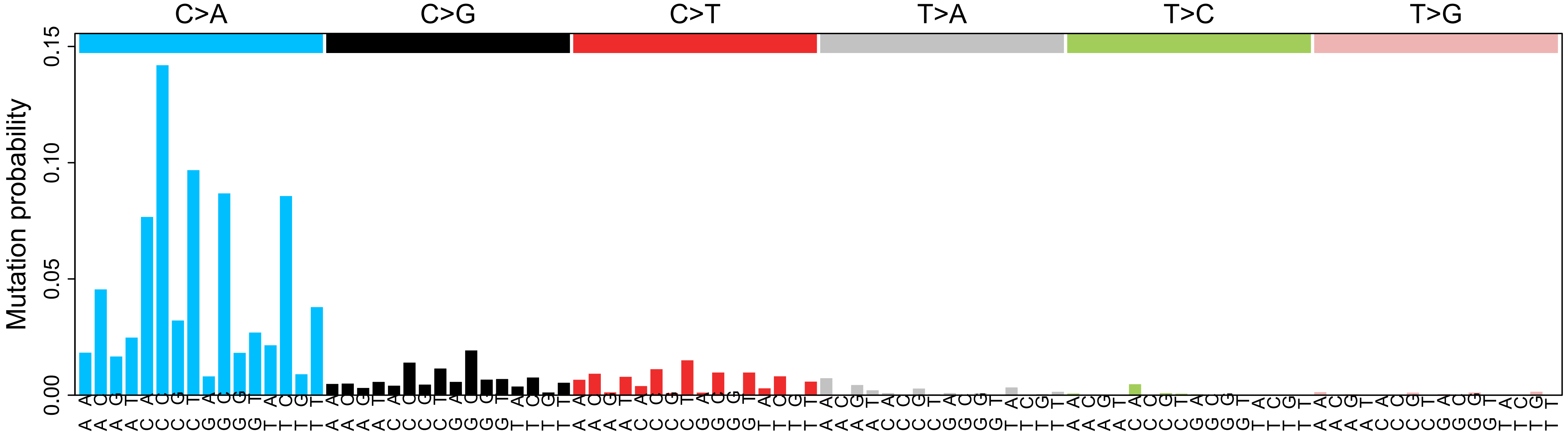


**benzidine\_5b2123a8cf0e**

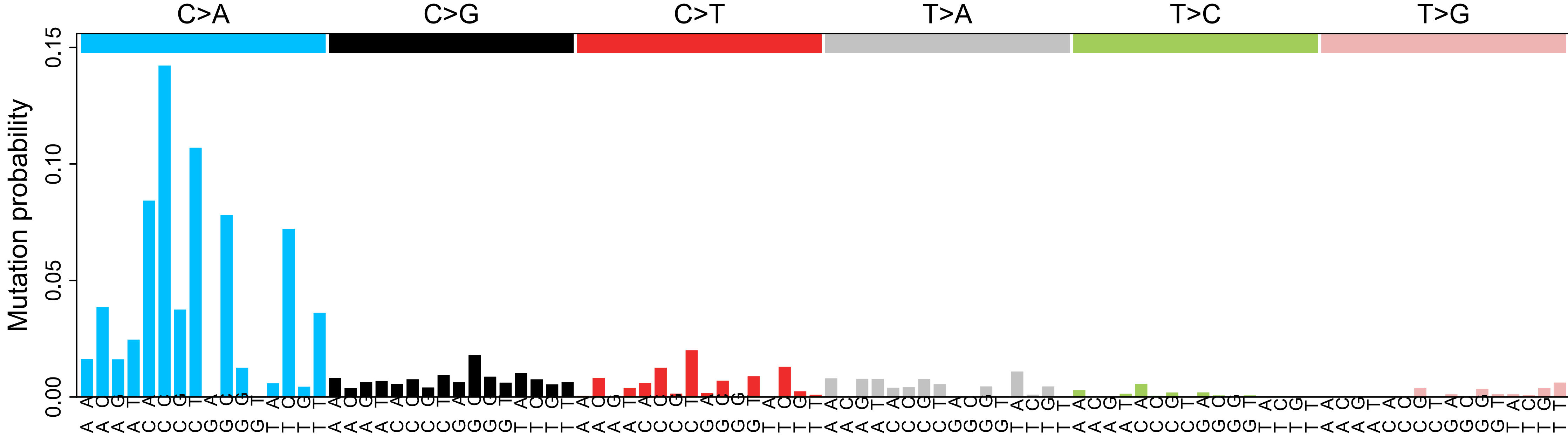




## benzoapyrene\_7\_8\_diol\_9\_10\_epoxide\_a940ded66b4f



# benzoapyrene\_b931a8be44c3



# bleomycin\_a07bf993a1cf

C>A

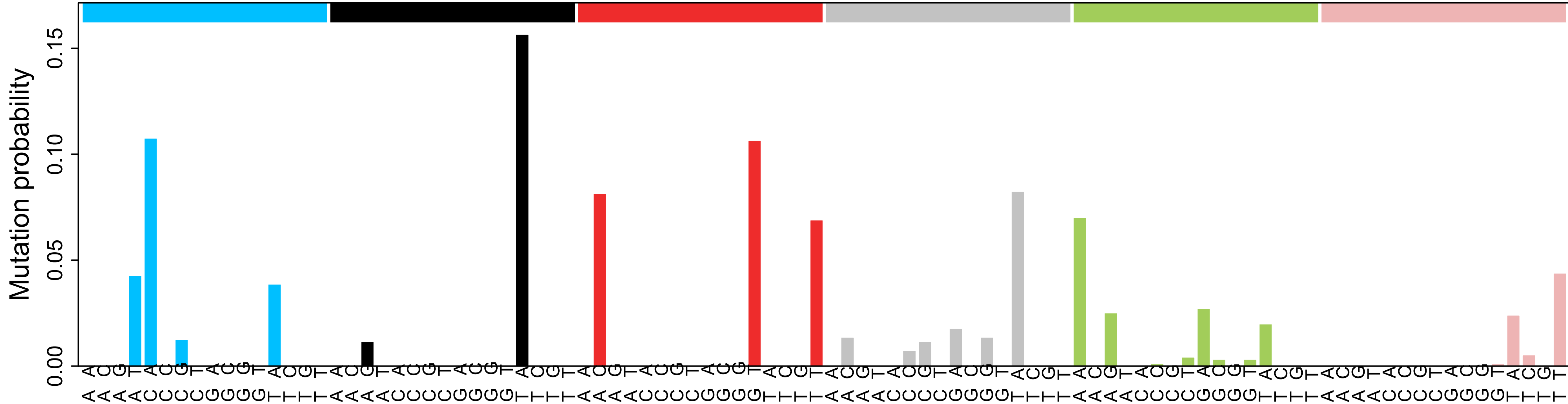
C>G

C>T

T>A

T>C

T>G





**cadmium\_chloride\_4e155105529e**

C > A

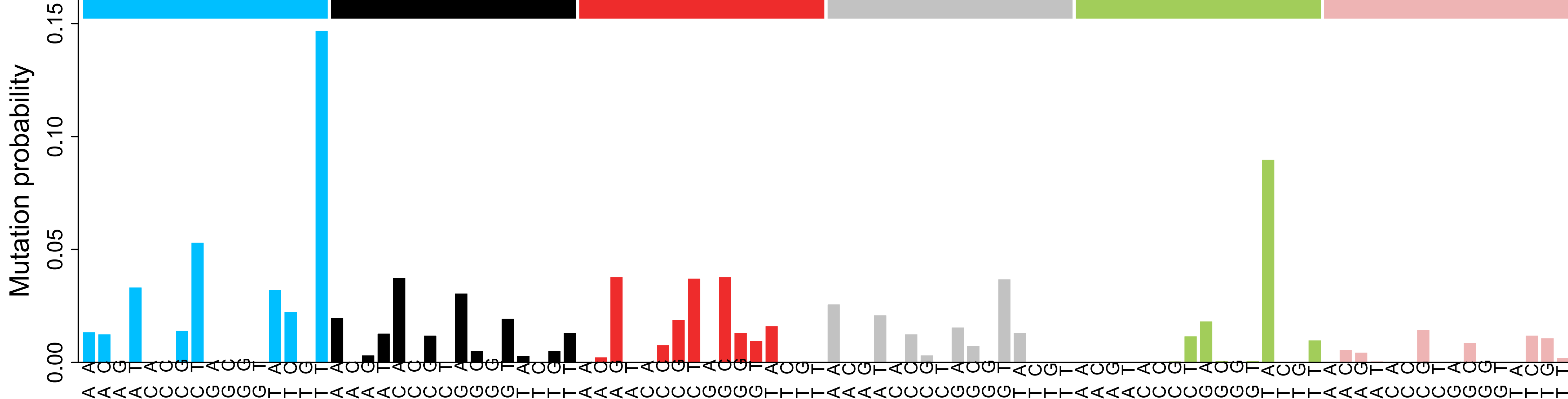
C > G

C>T

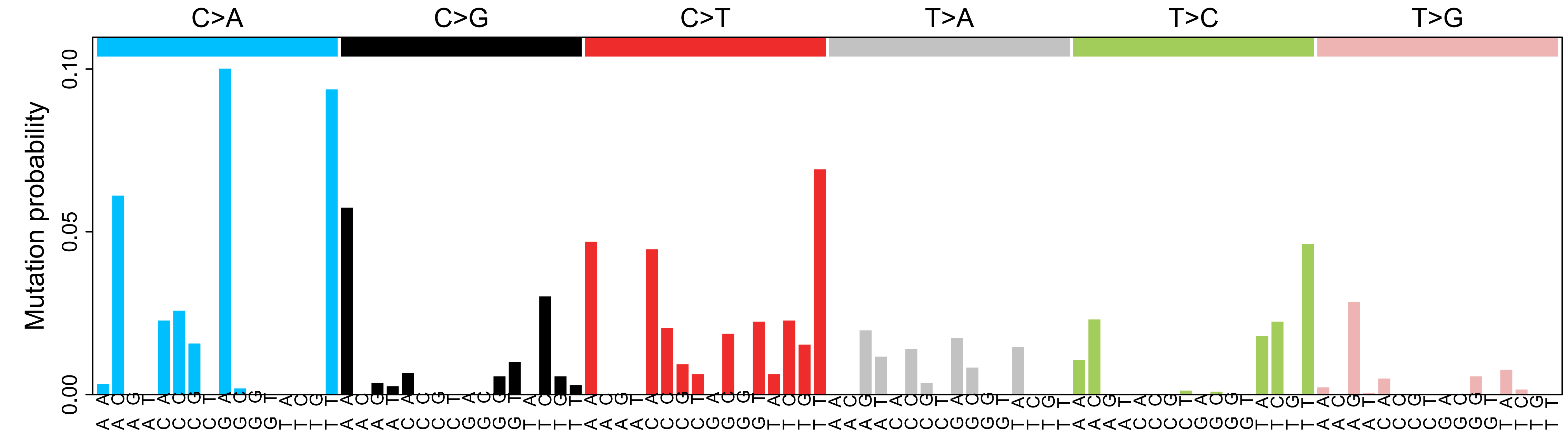
**T > A**

**T > C**

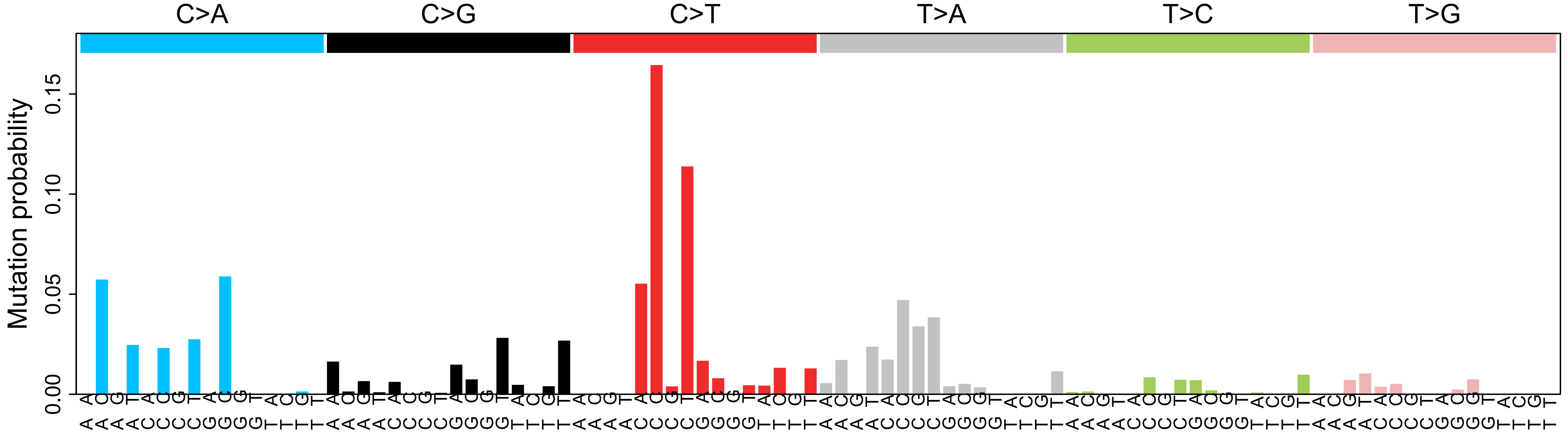
T>G



**camptothecin\_035f5ec44026**



carboplatin\_87107e8f10fc



## catechol\_c6f4cfad7d77

$C > A$

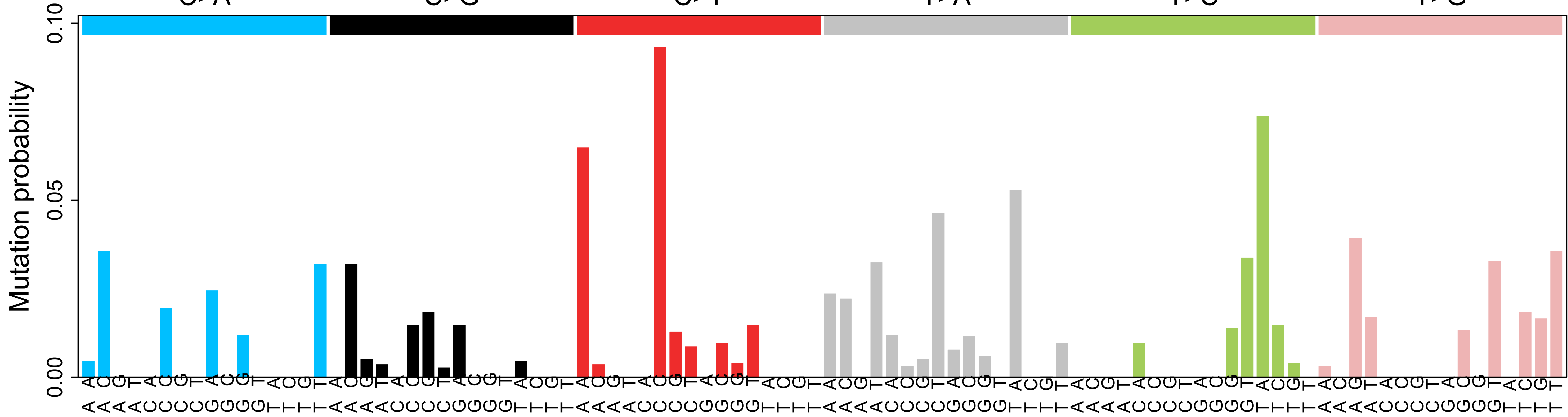
C>G

**C>T**

**T>A**

**T>C**

**T>G**



# cisplatin\_92bd8426ea0e

C>A

C>G

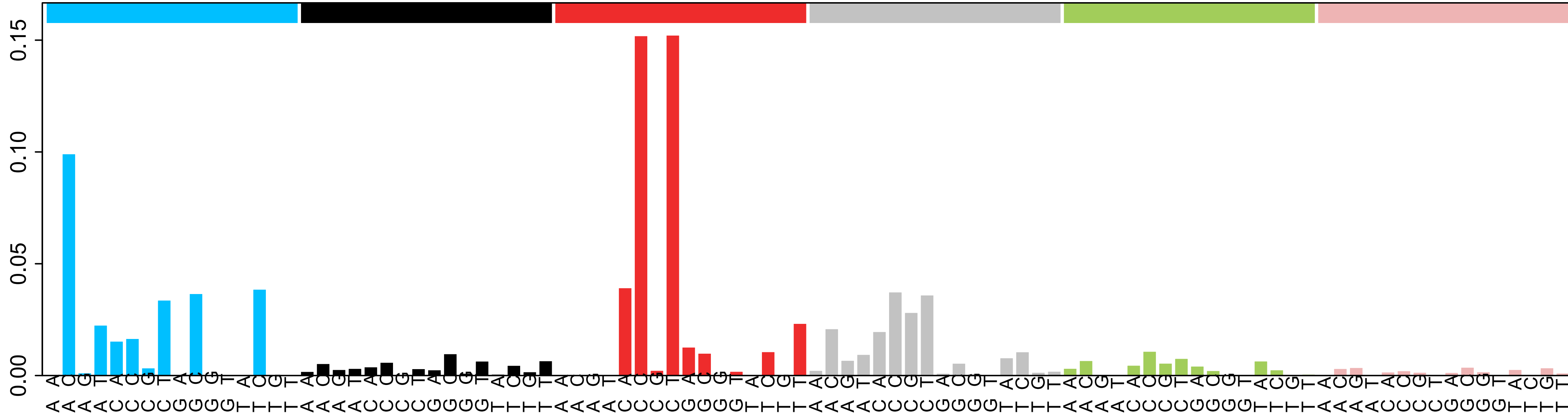
C>T

T>A

T>C

T>G

Mutation probability



**cobalt\_chloride\_a9e31bc7a88c**

$C > A$

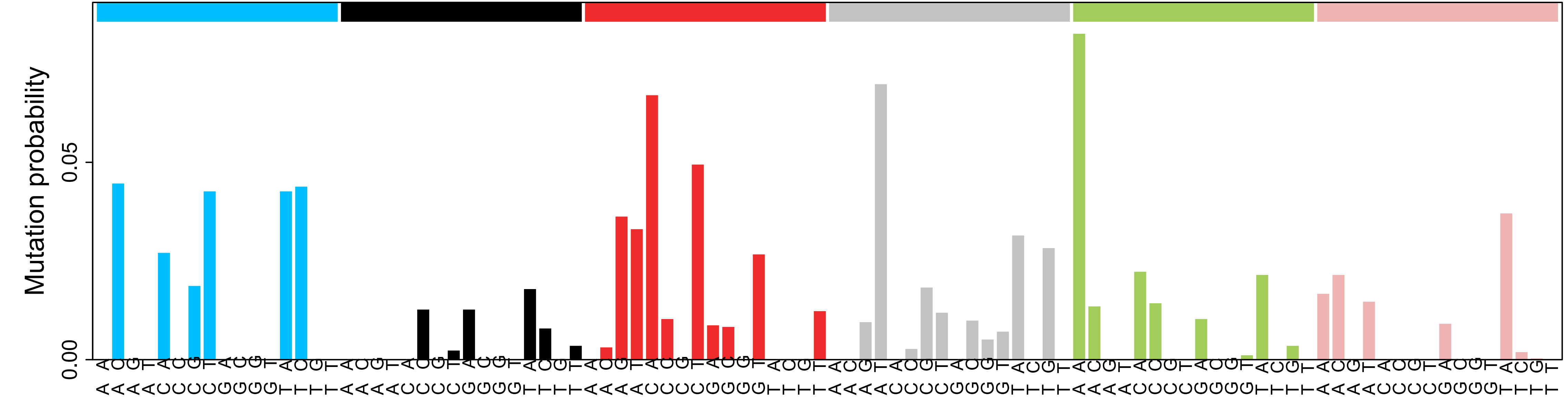
C>G

**C>T**

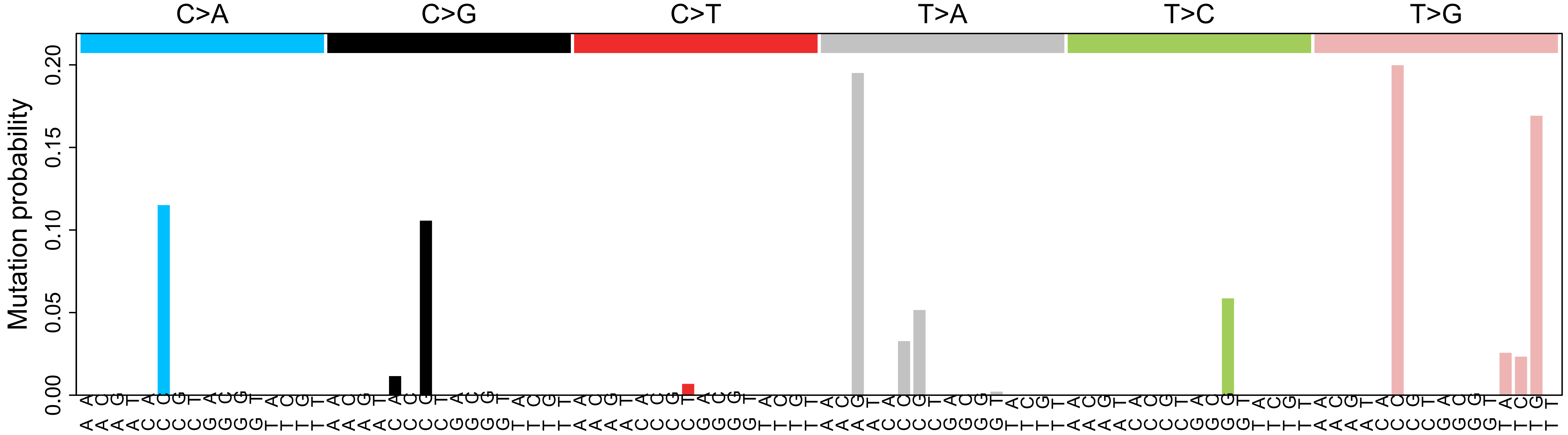
**T>A**

**T>C**

**T>G**



**cyclophosphamide\_557117b73fe2**



**dibenza\_hanthracene\_86a56a54eba1**

C > A

C > G

$C > T$

**T > A**

**T > C**

**T>G**





**dibenza\_hanthracene\_diol\_epoxide\_d1c39f8181d9**

**C>A**

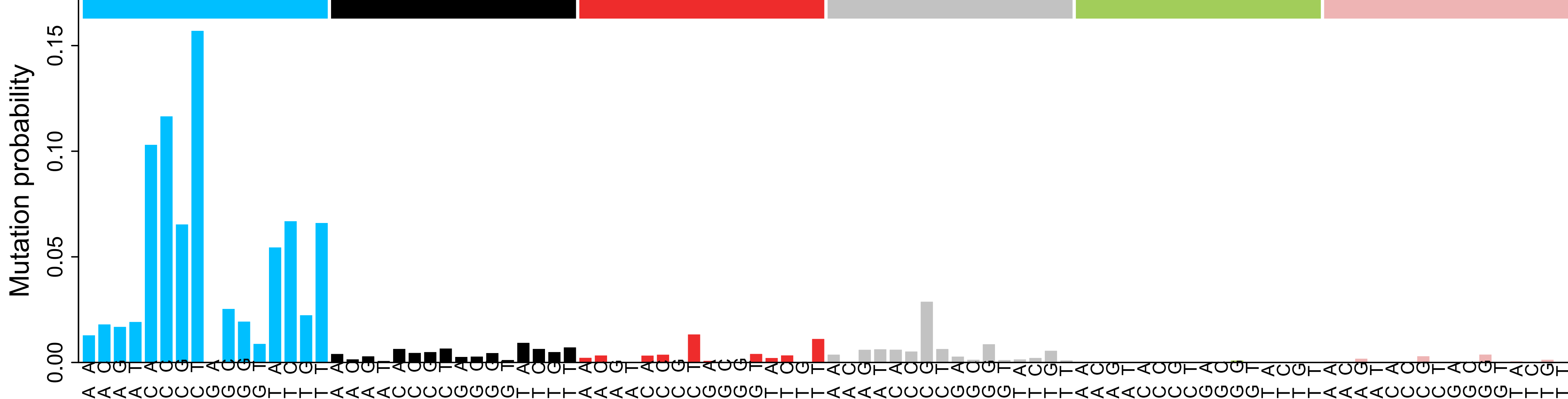
C>G

$C > T$

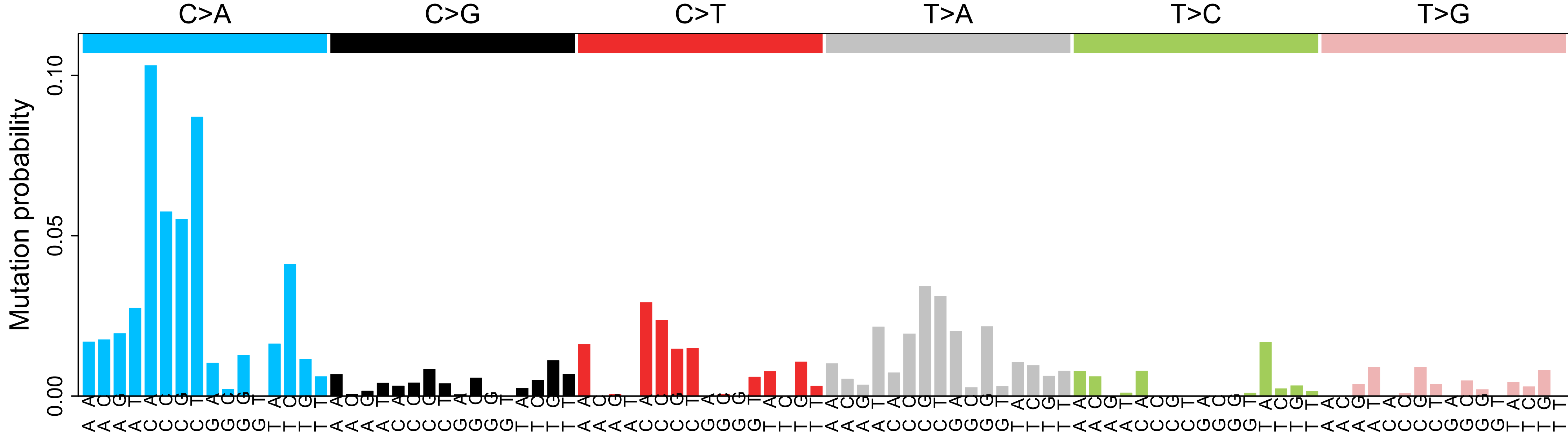
**T > A**

**T>C**

T>G



**dibenza\_jacridine\_ddba8930ac82**



**dibenzoa\_lpyrene\_8d818fe5a7ef**

$C > A$

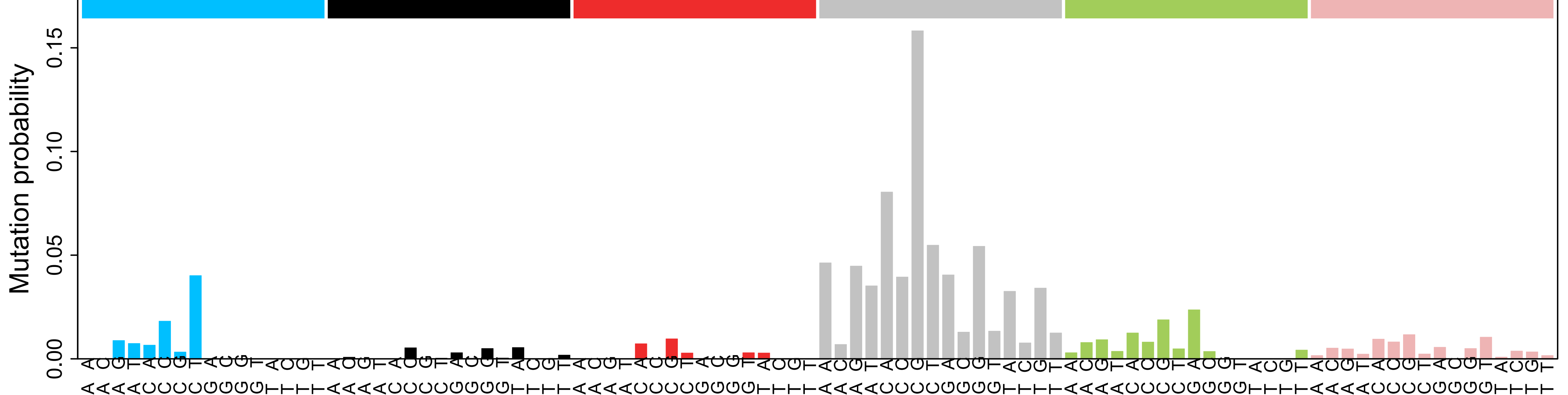
C>G

C>T

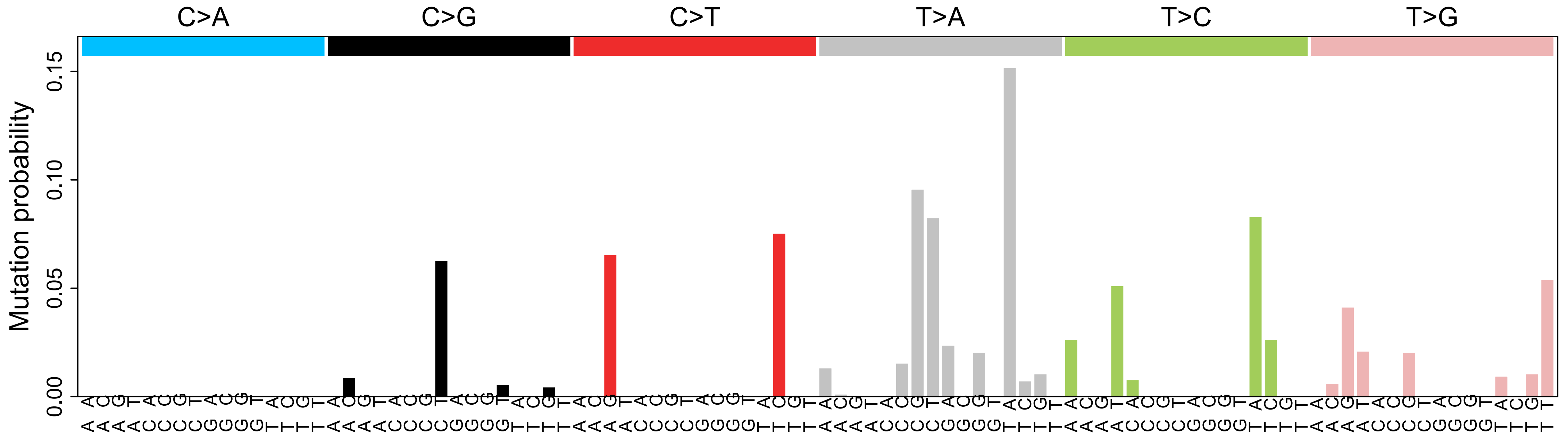
**T > A**

**T>C**

T>G



# dibenzoa\_lpyrene\_a8658ca308ee





**diethyl\_sulfate\_66c09d32862b**

**C > A**

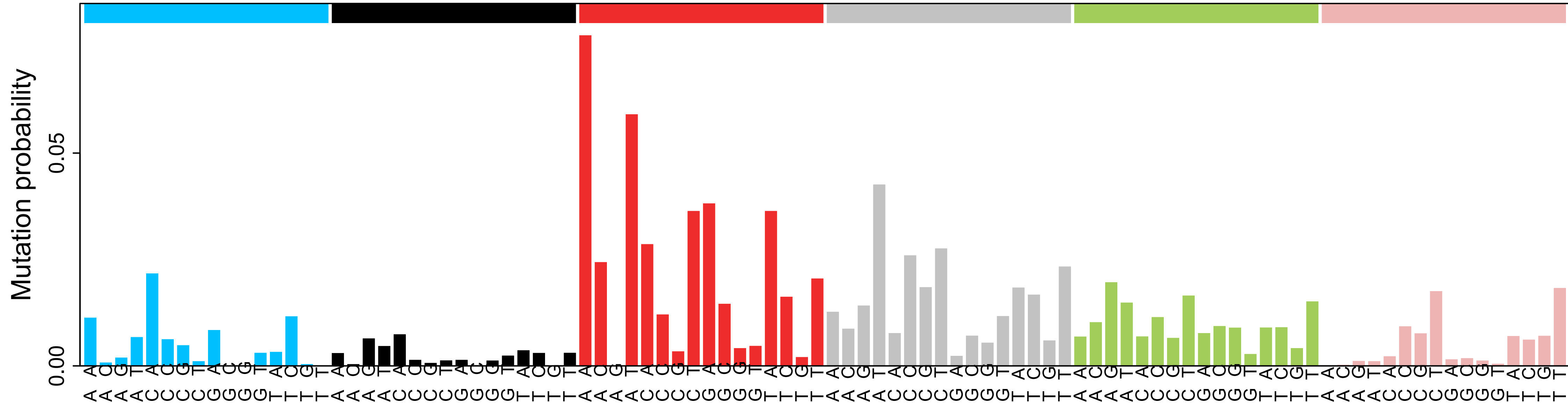
C>G

C>T

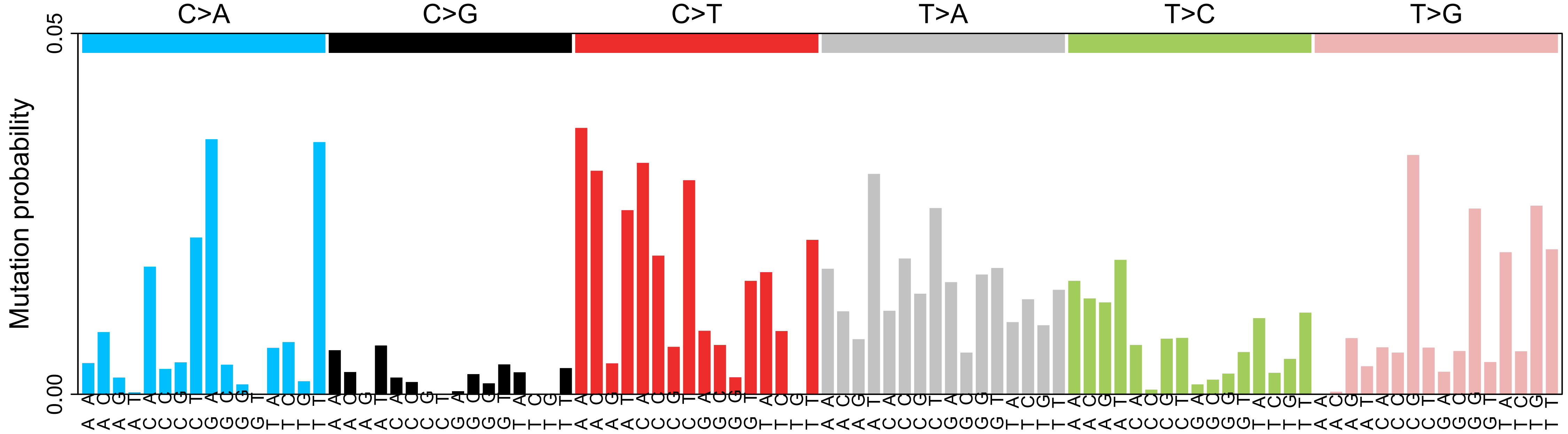
**T > A**

**T>C**

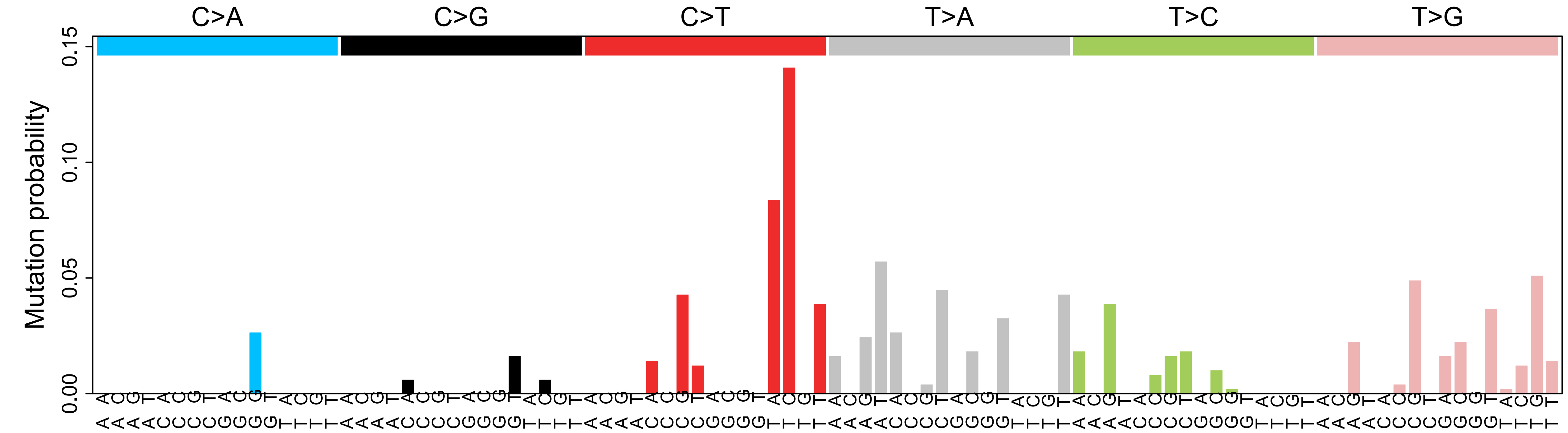
**T>G**



**dimethyl\_sulfate\_31311db64fc6**



**dms0\_39bf73141acf**







**dms0\_640c89f54363**

$C > A$

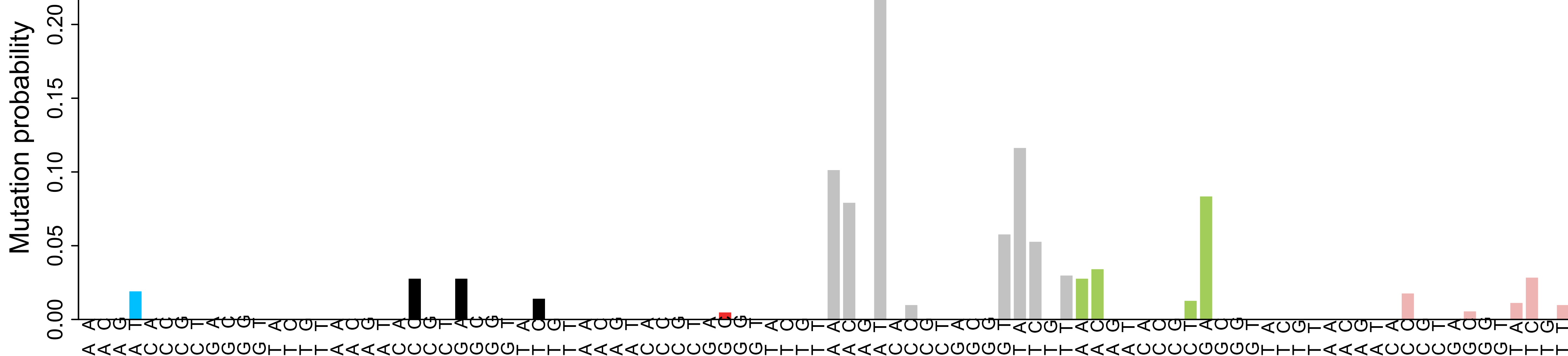
C>G

C>T

**T>A**

$T > C$

**T>G**





**ellipticine\_e149a5f58dd0**

$C > A$

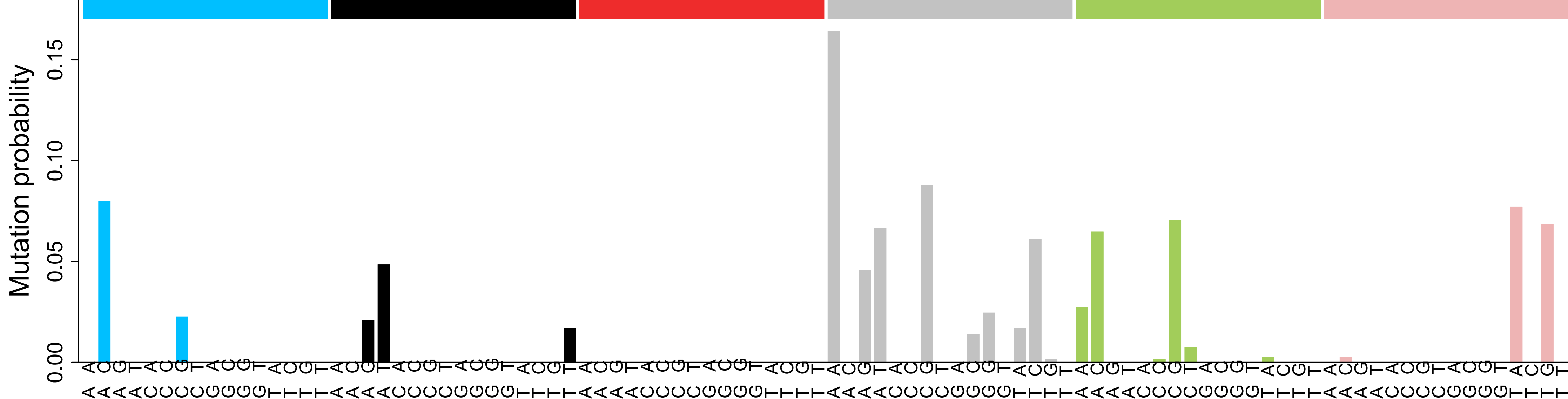
C > G

C>T

**T>A**

$T > C$

T>G



## etoposide\_d87f22a7e170

$C > A$

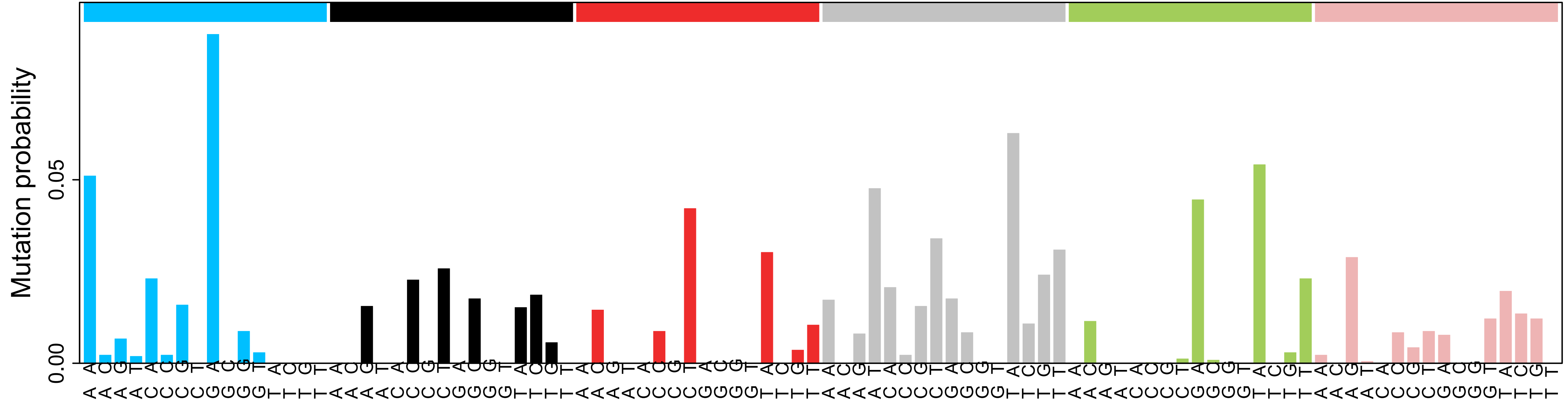
C>G

**C>T**

**T>A**

**T>C**

**T>G**



# formaldehyde\_8c36e95b481c

C>A

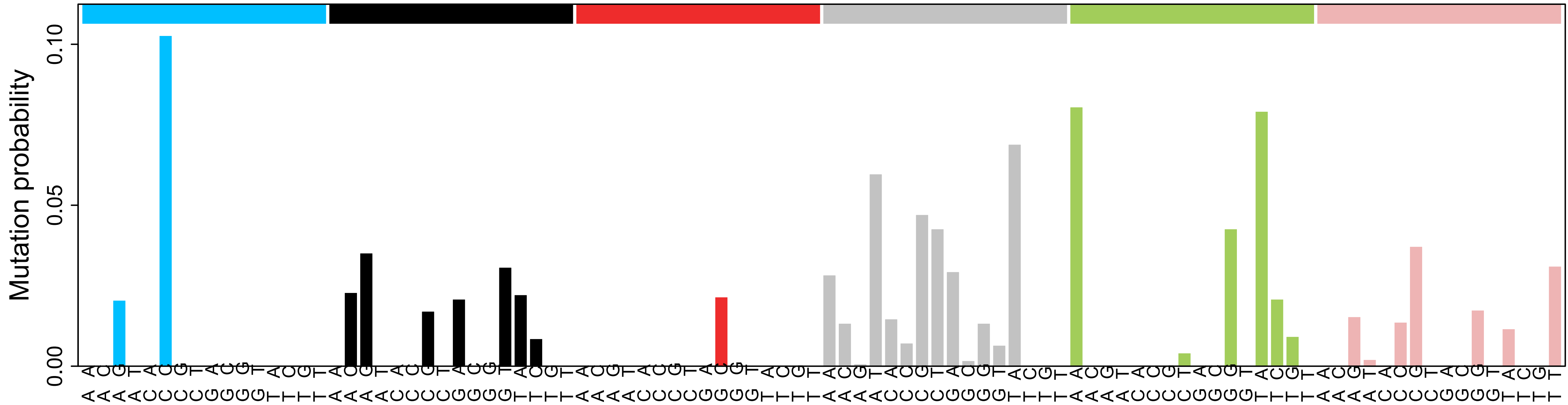
C>G

C>T

T>A

T>C

T>G



**furan\_fd4f695c67b1**

$C > A$

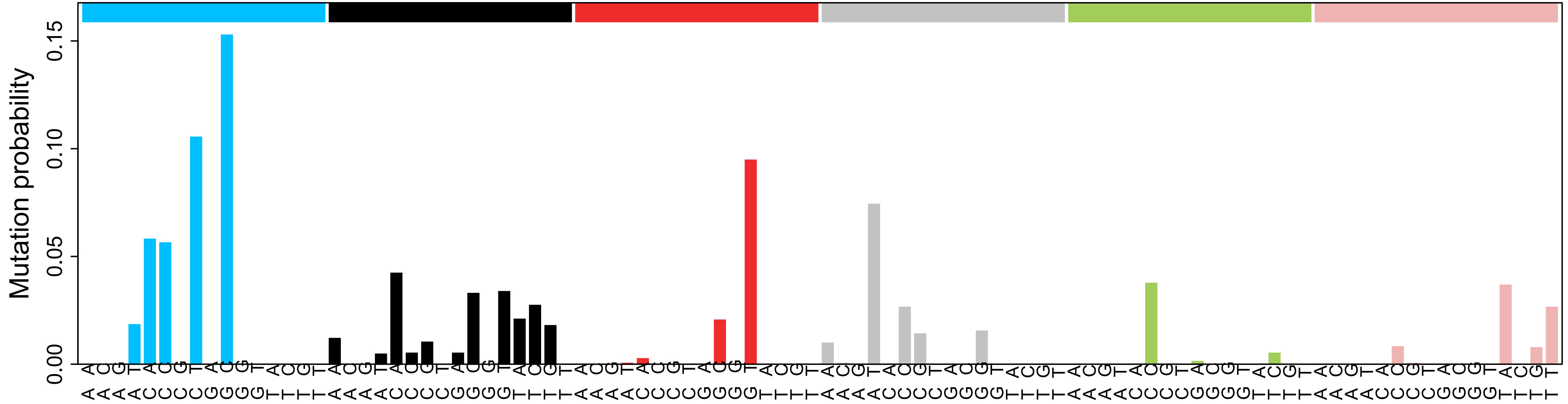
C>G

**C>T**

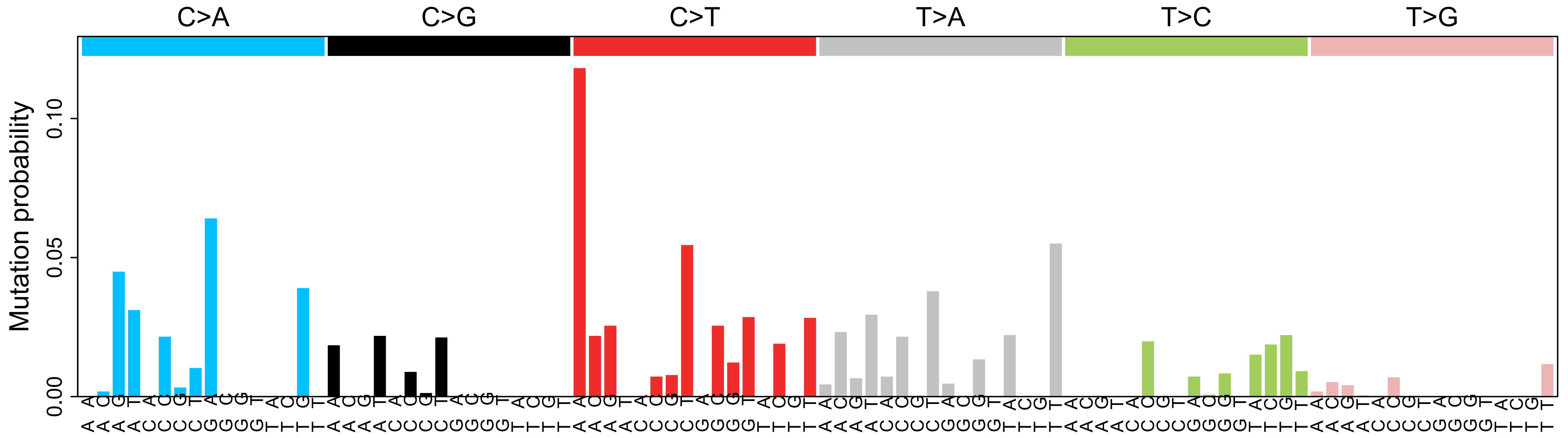
**T>A**

**T>C**

**T>G**



gammaray\_8a41562354d7





**glycidamide\_8e1c87cf773d**

$C > A$

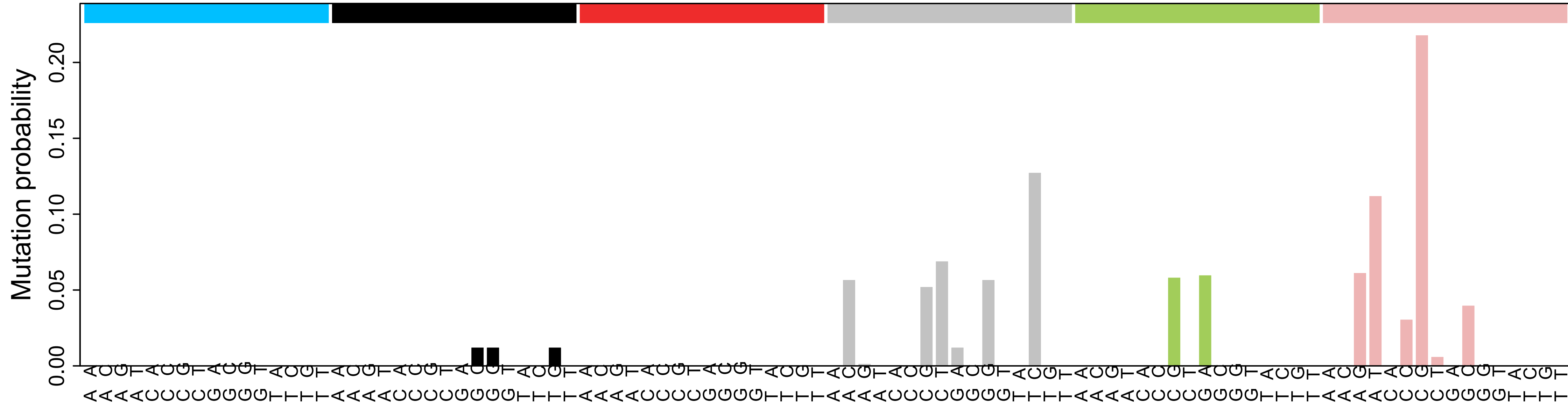
C>G

C>T

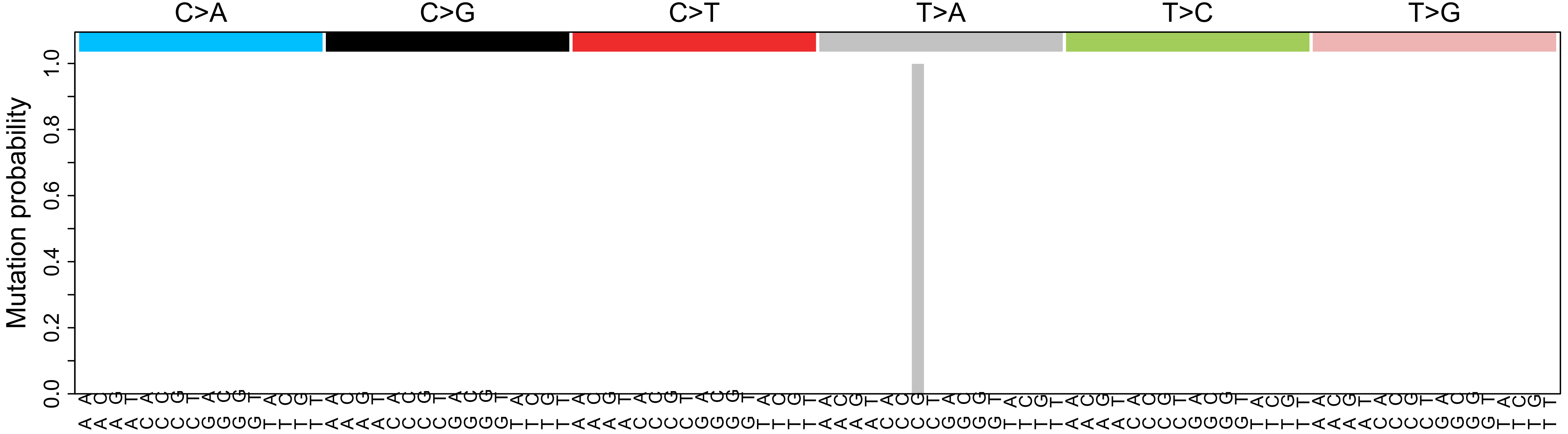
**T>A**

**T>C**

**T>G**



hydrogen\_peroxide\_ff64f141ad1a



**lead\_acetate\_eb992ae53f06**

$C > A$

C > G

C>T

**T > A**

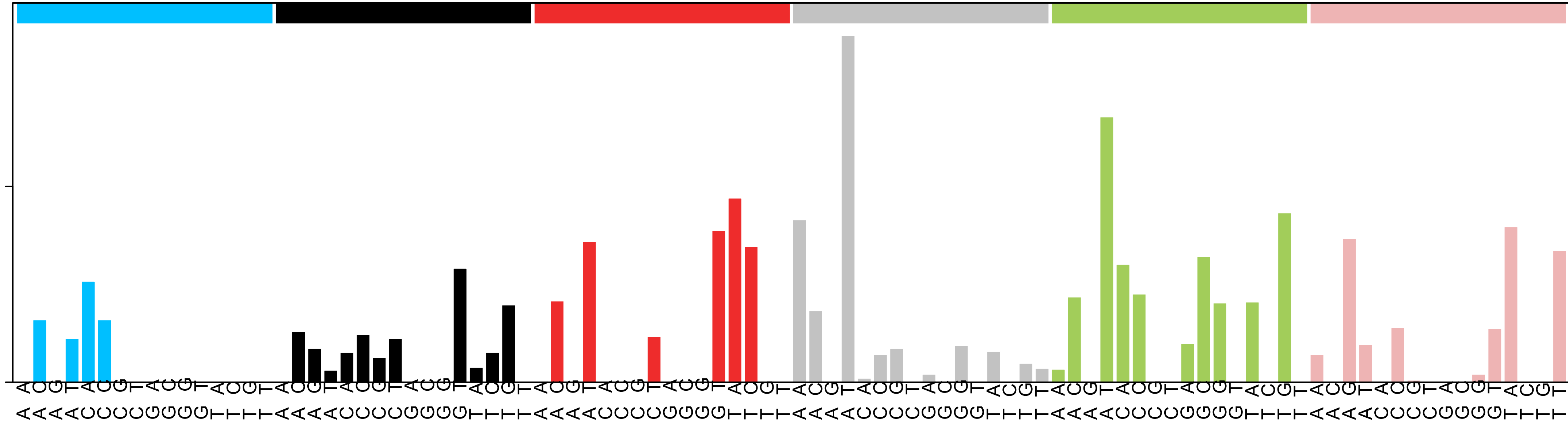
$T > C$

T > G

# Mutation probability

0.05

0.00



**lead\_nitrate\_3ff280a61a91**

$C > A$

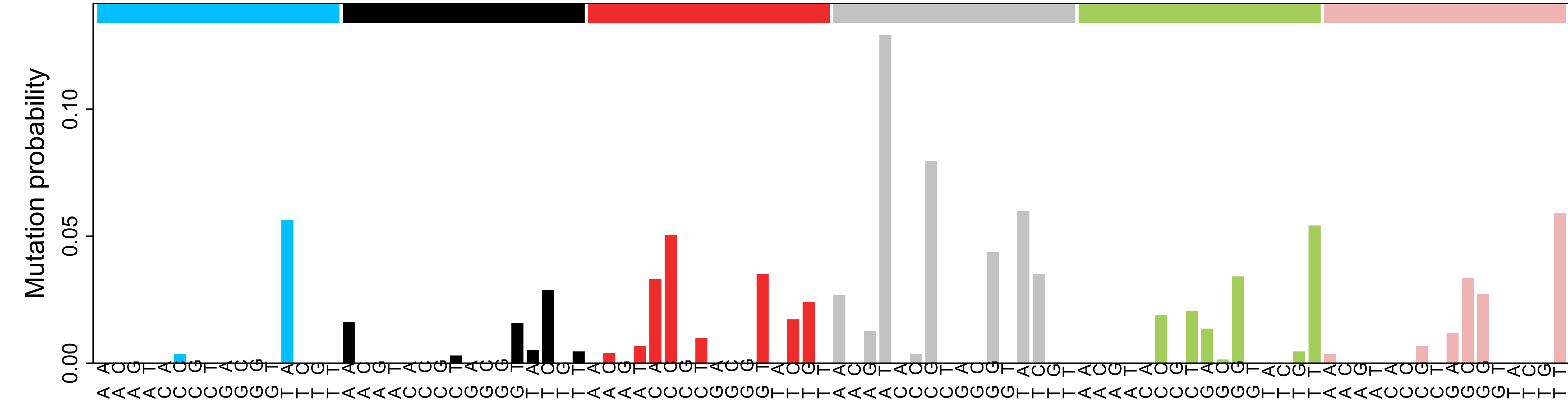
C>G

C>T

**T > A**

$T > C$

**T>G**



**mechlorethamine\_48da6be92ec6**

$C > A$

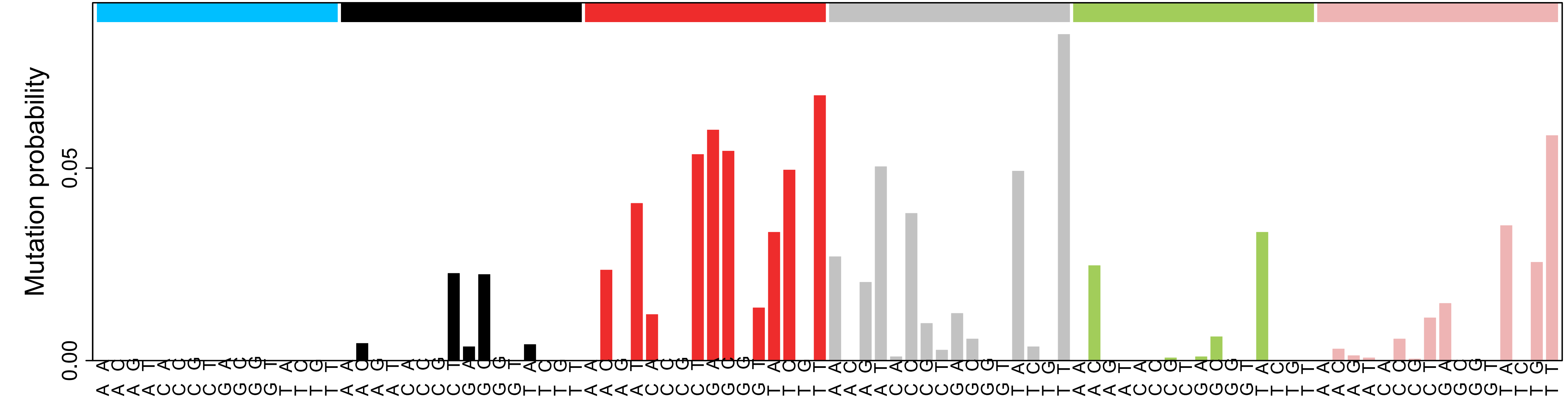
C>G

**C>T**

**T>A**

**T>C**

**T>G**



**melphalan\_dc6d858bb0a4**

$C > A$

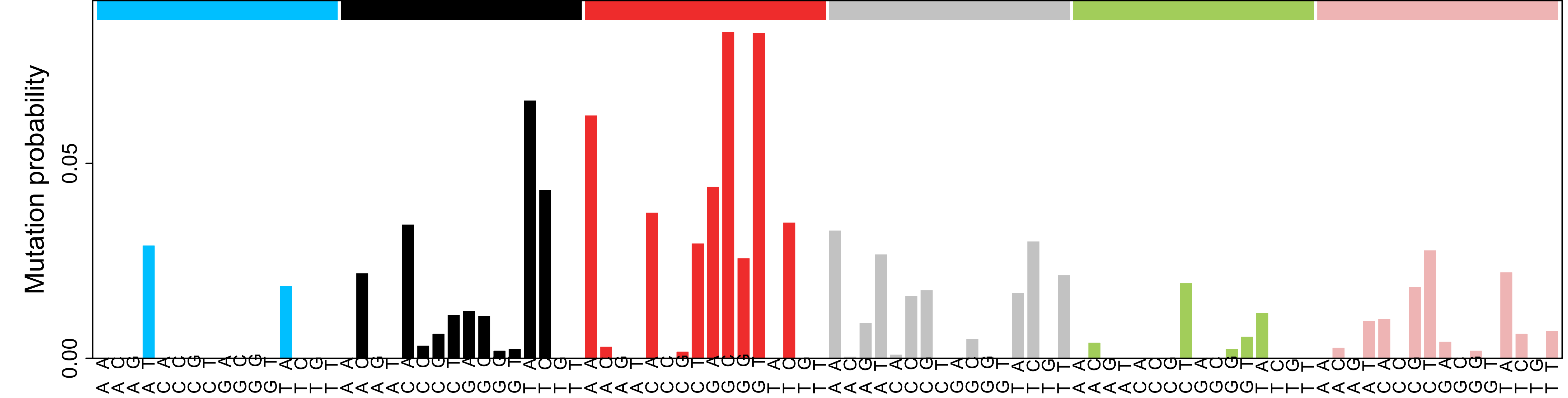
C>G

C>T

**T > A**

$$T > C$$

**T>G**



**methanol\_23bc14314298**

$C > A$

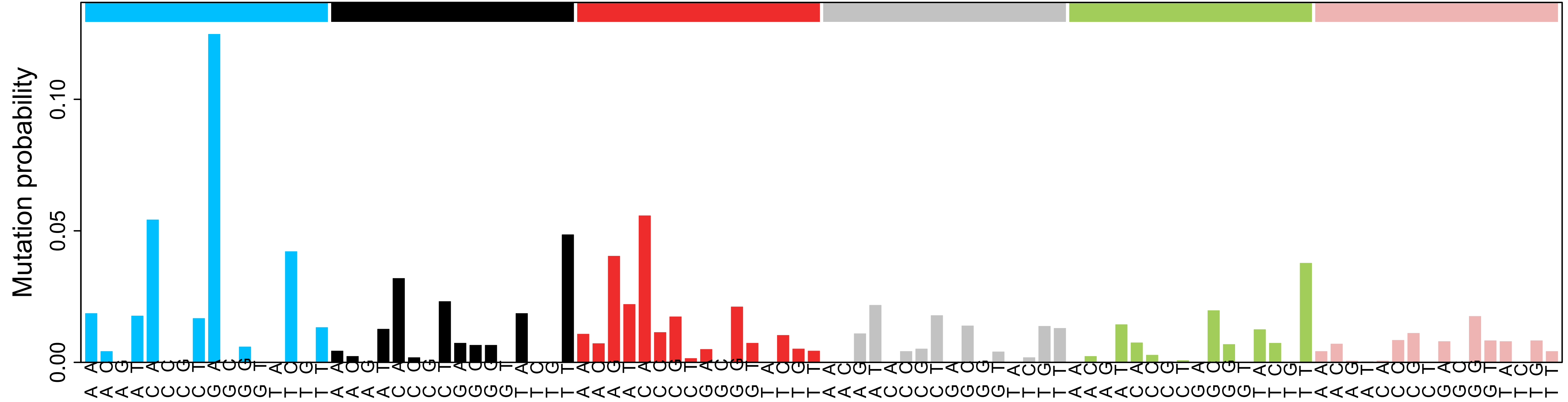
C>G

C>T

**T>A**

**T>C**

T>G



**methanol\_5f193a12cbbf**

$C > A$

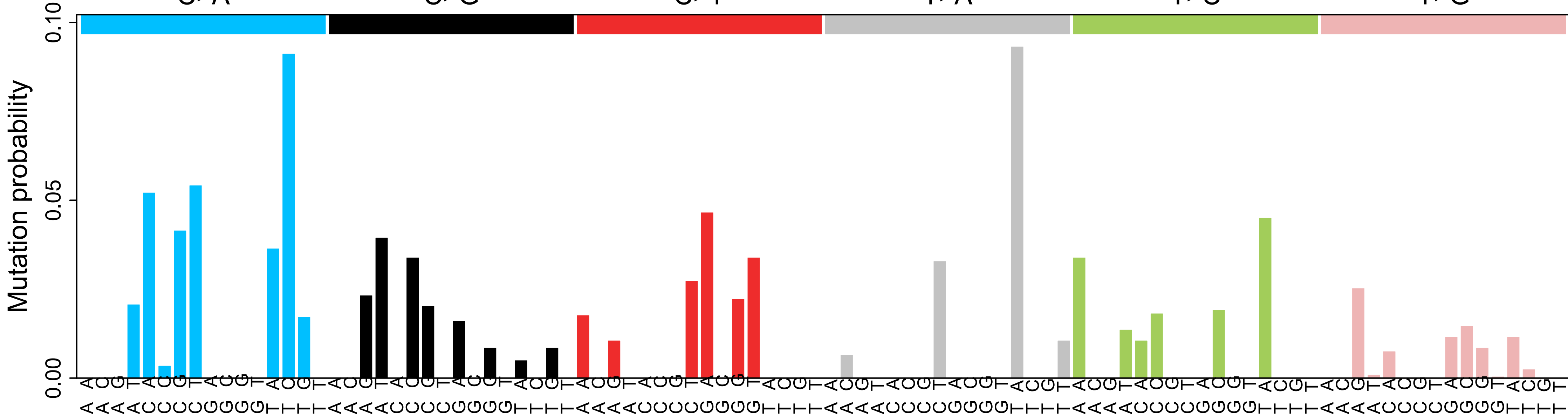
C>G

C>T

**T > A**

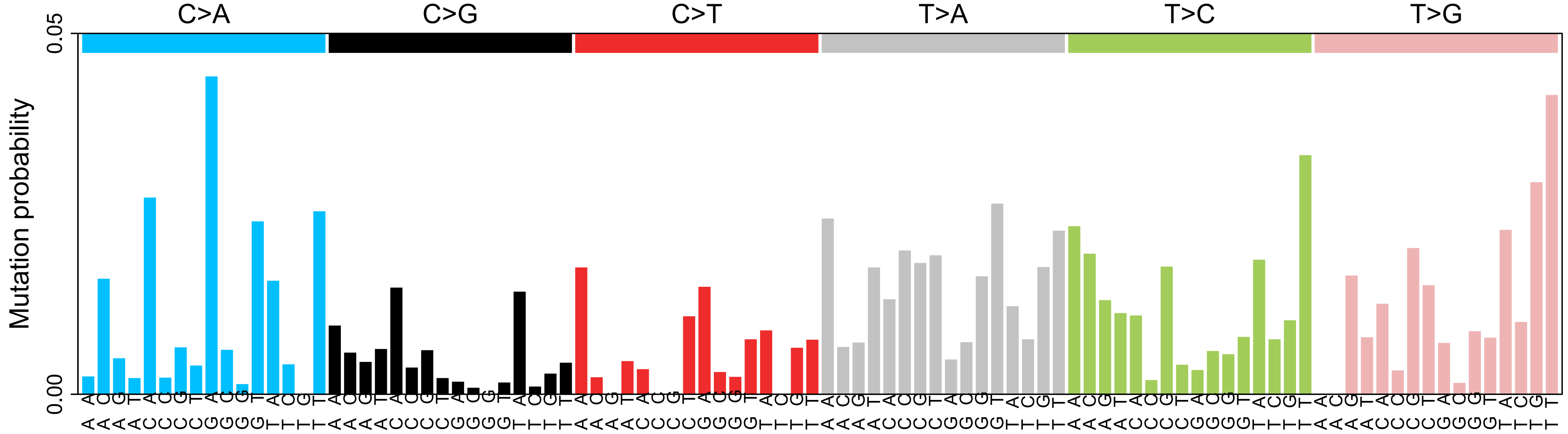
$T > C$

**T>G**





**methyl\_methanesulfonate\_f61fcd09adad**





# methyleugenol\_830517b726f0

C>A

C>G

C>T

T>A

T>C

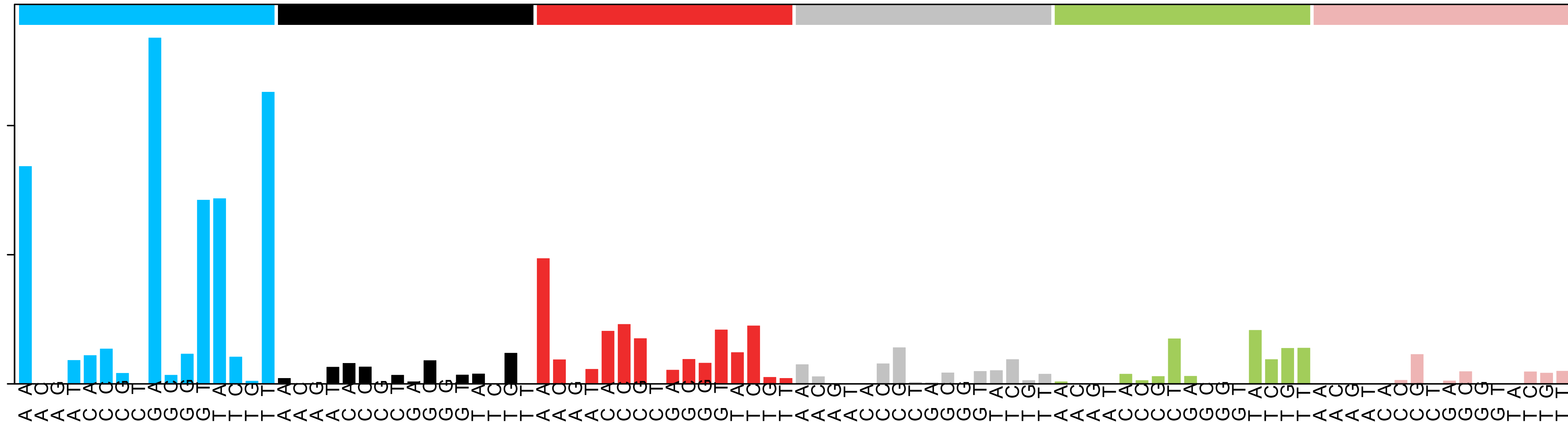
T>G

Mutation probability

0.10

0.05

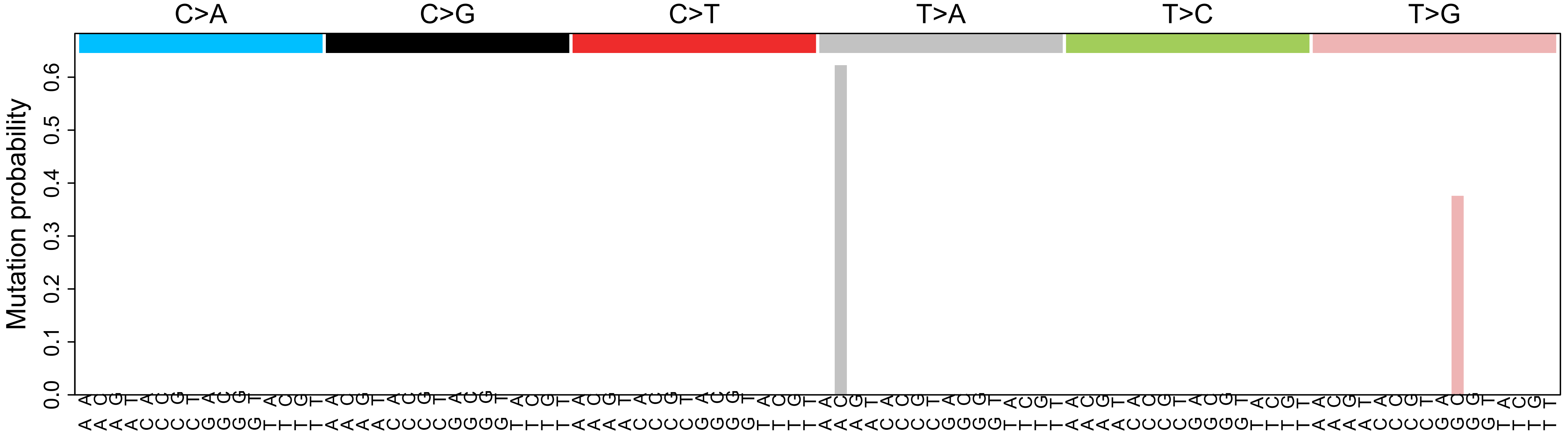
0.00







n\_methyl\_n\_nitro\_nitrosoguanidine\_ca5b1ff8ee0d



**n\_methyl\_n\_nitrosourea\_9a944873342f**

$C > A$

C>G

**C>T**

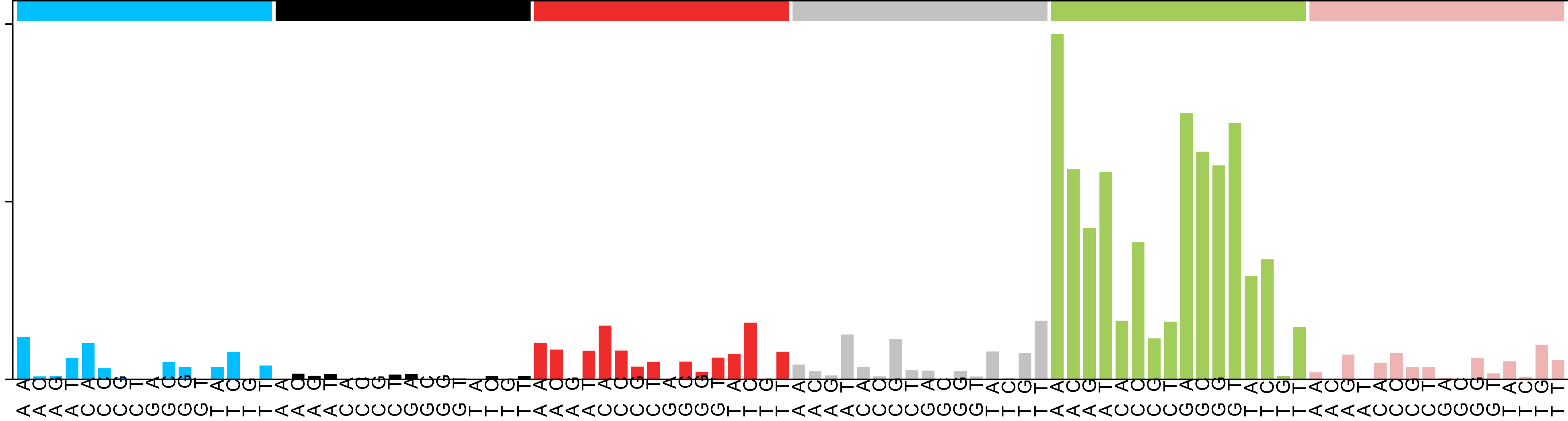
**T>A**

**T>C**

**T>G**

0.10

0.00

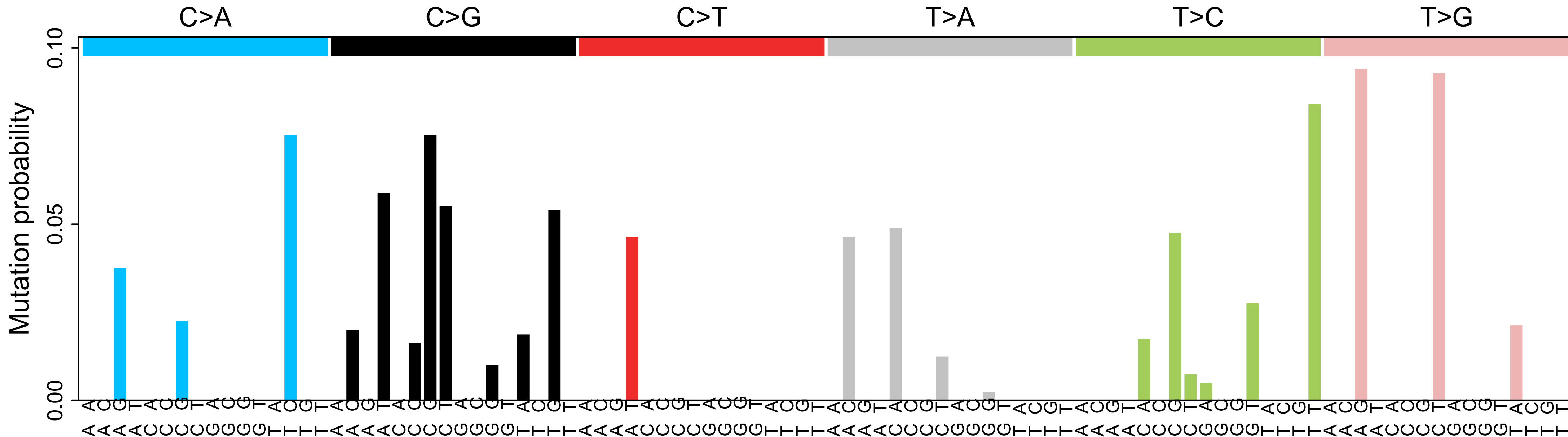




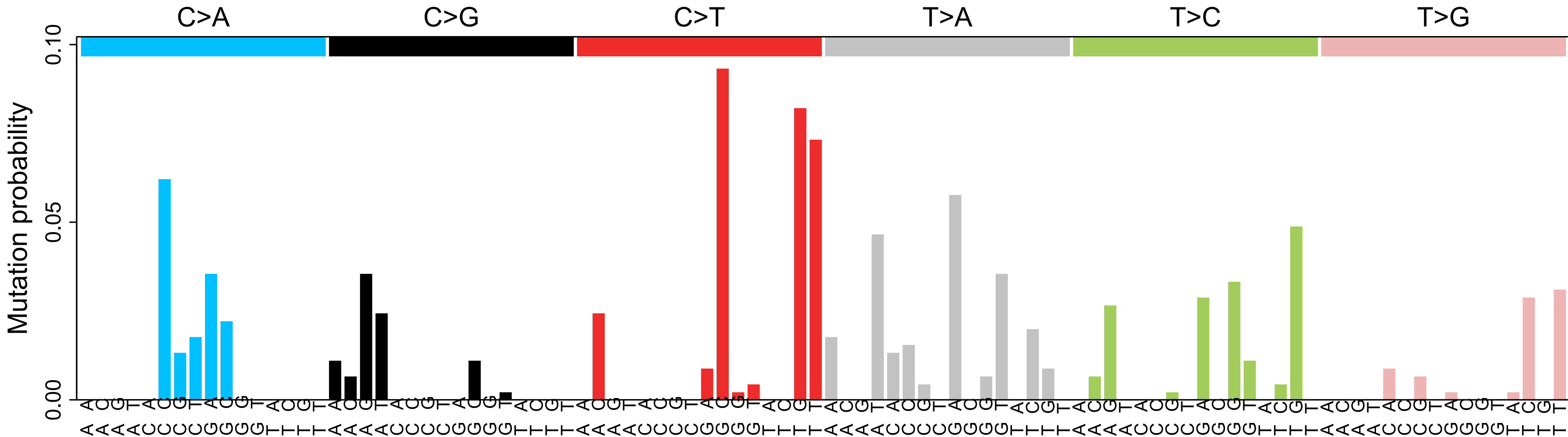




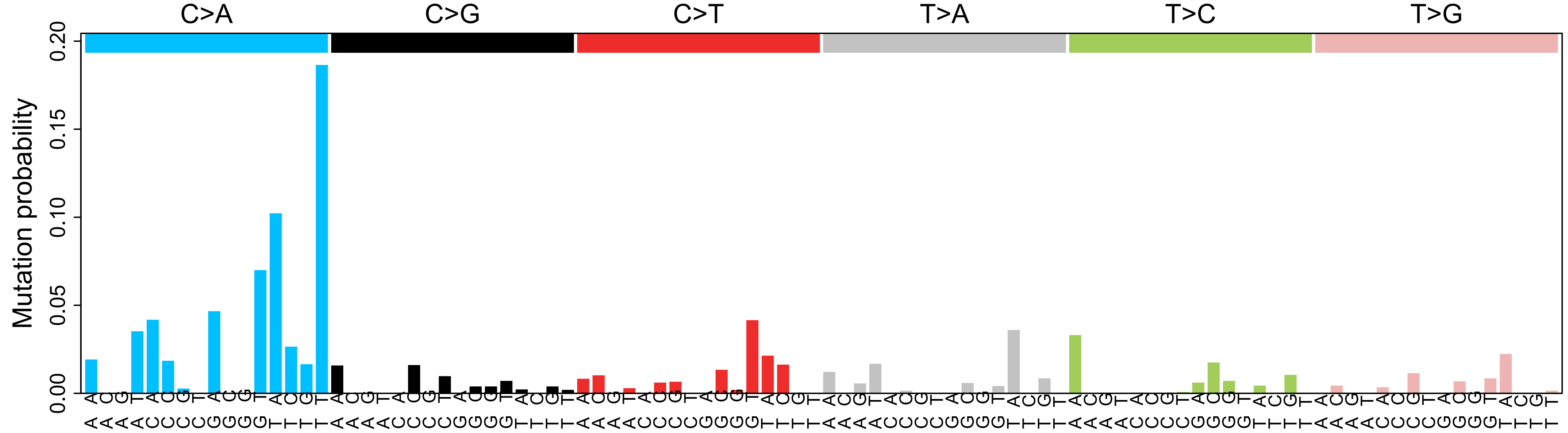
**no\_treatment\_2d9081e4d720**



# no\_treatment\_368d8667e685



**o\_anisidine\_140b3b7221ca**



**o\_anisidine\_9552a08d7147**

**C > A**

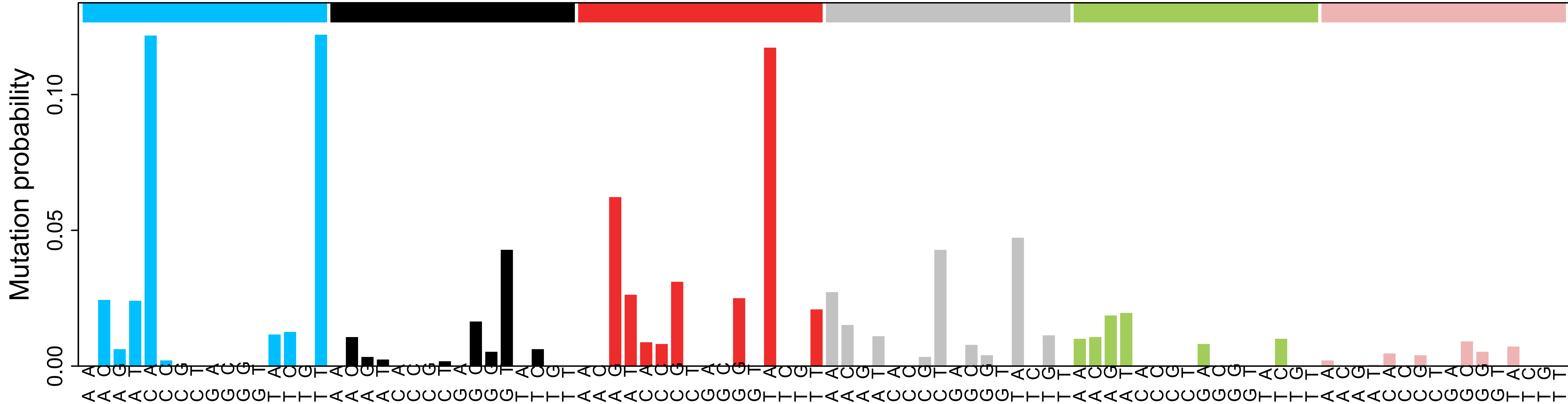
C > G

C>T

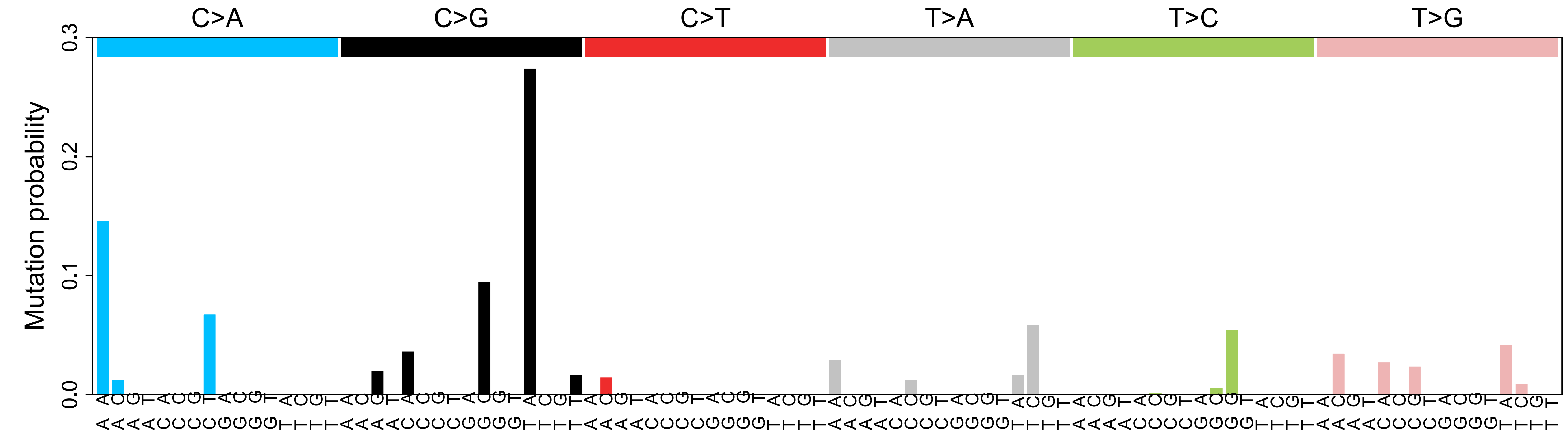
**T > A**

**T>C**

**T>G**



**o\_toluidine\_0d620c5f38d0**



**ochratoxin\_a\_9b5acc8297cd**

C > A

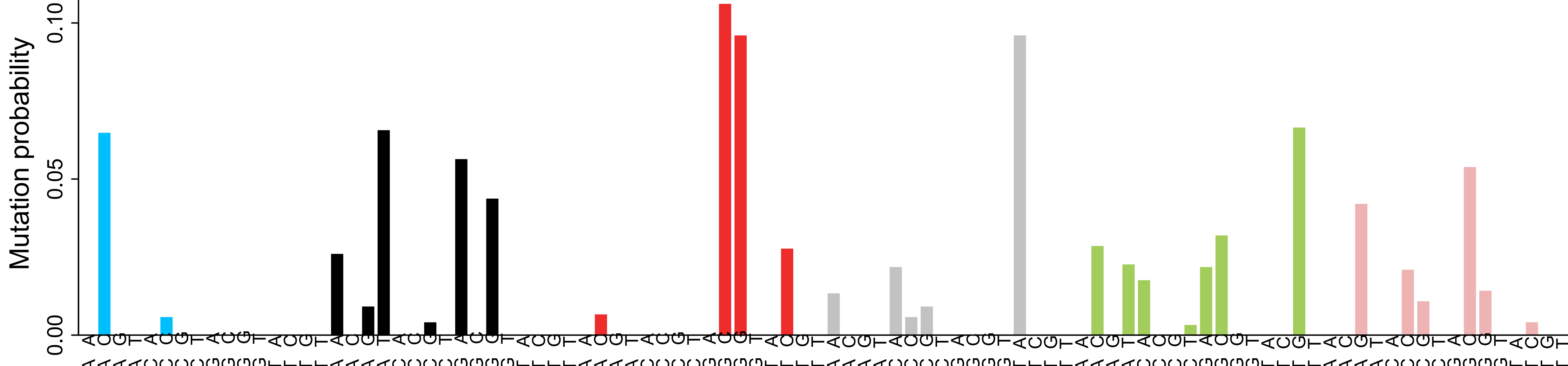
C > G

C>T

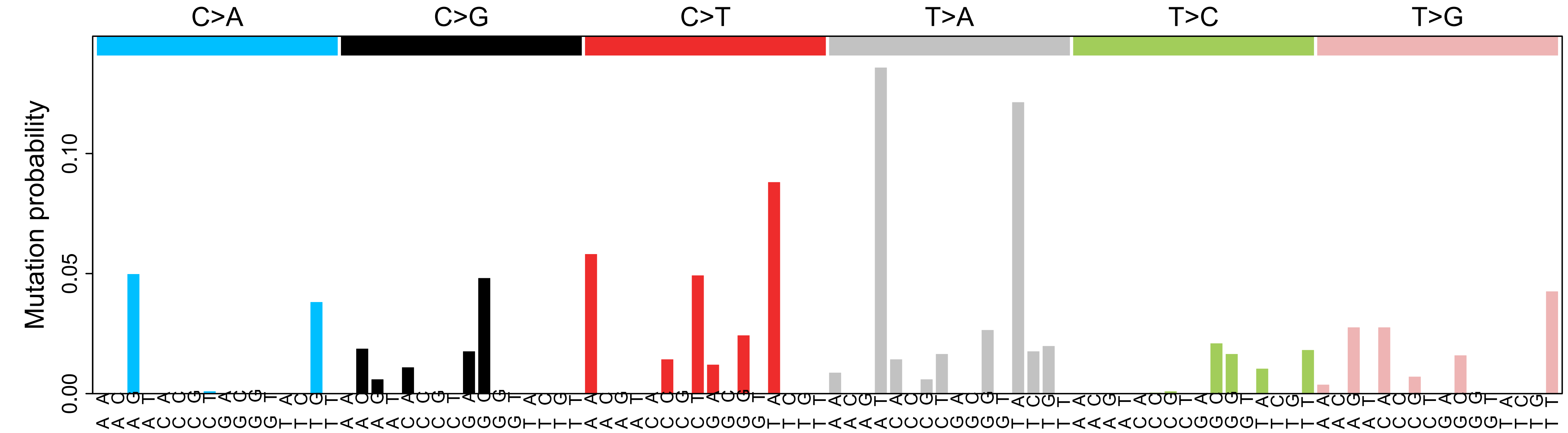
**T > A**

 $T > C$ 

T > G



**olaparib\_43d725f7cc82**





# peroxynitrite\_7cadeaf3e612

C>A

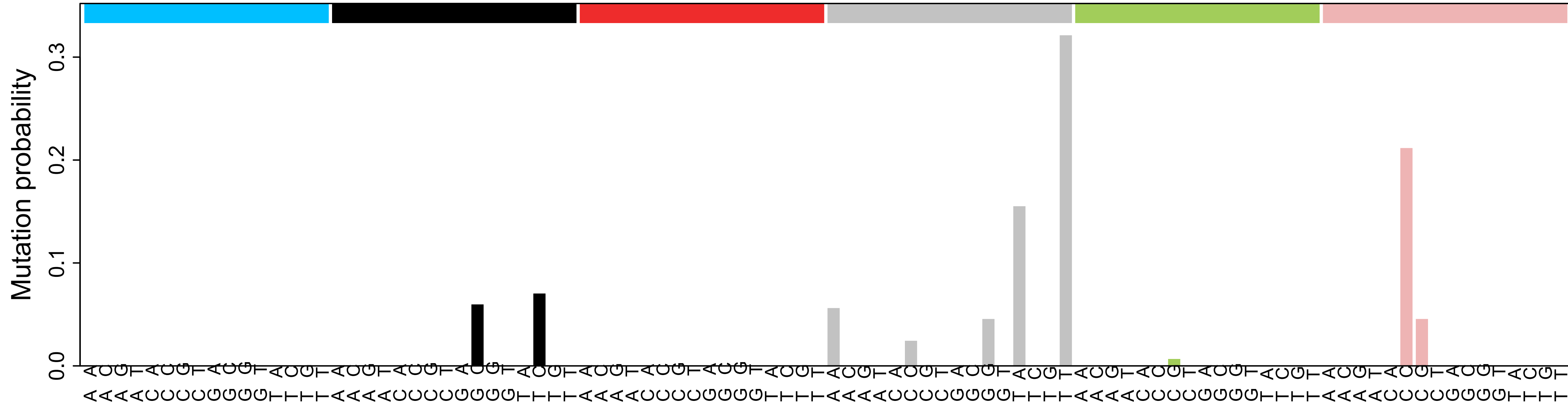
C>G

C>T

T>A

T>C

T>G





**potassium\_chromate\_0bdc1b5144e0**

**C>A**

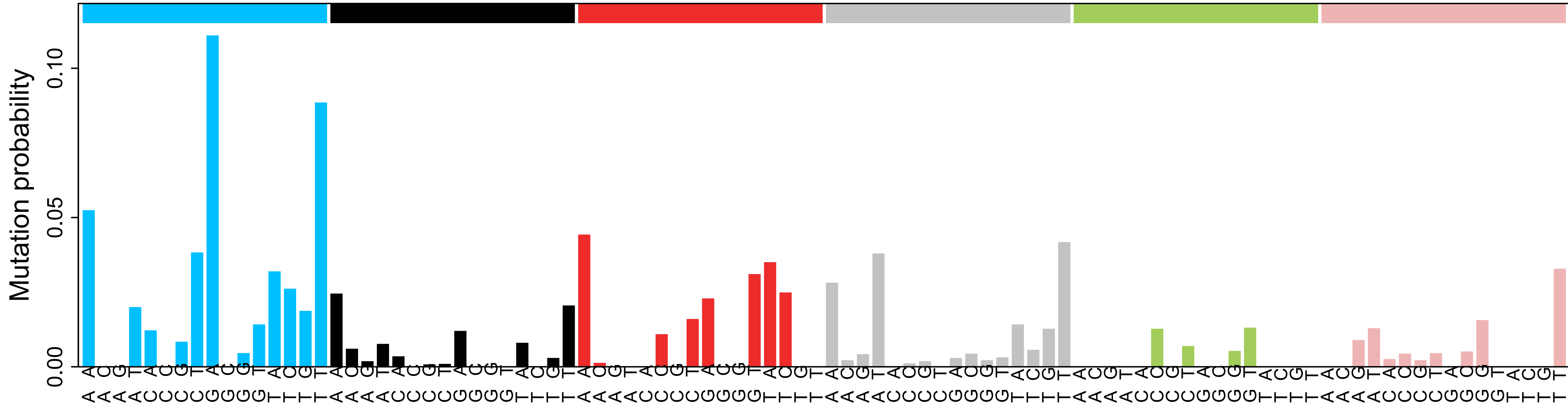
C>G

C>T

**T>A**

$T > C$

T>G



## propylene\_oxide\_7197becf3bd8

$C > A$

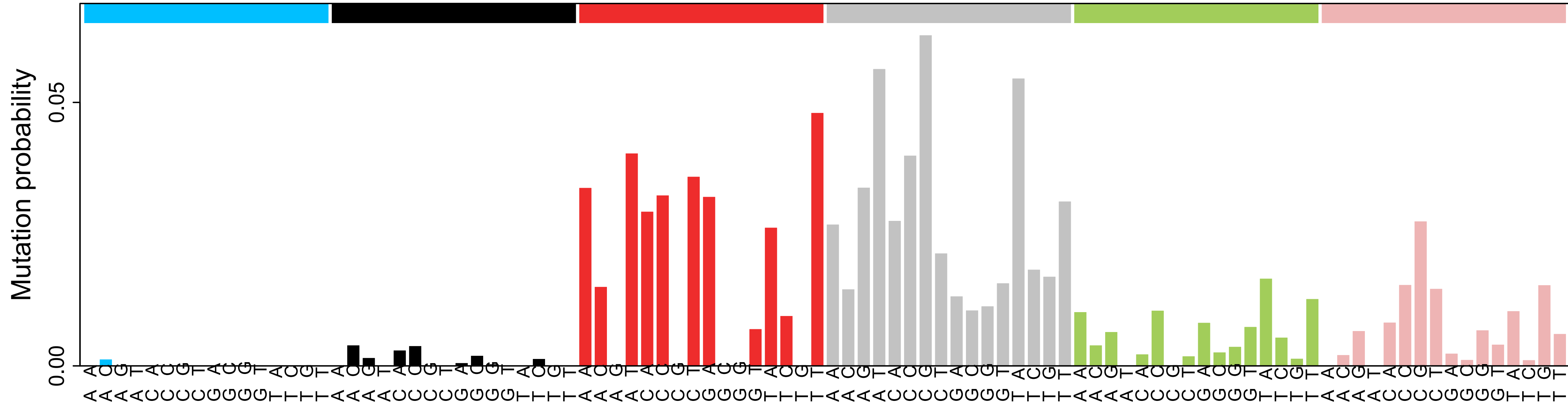
C>G

C>T

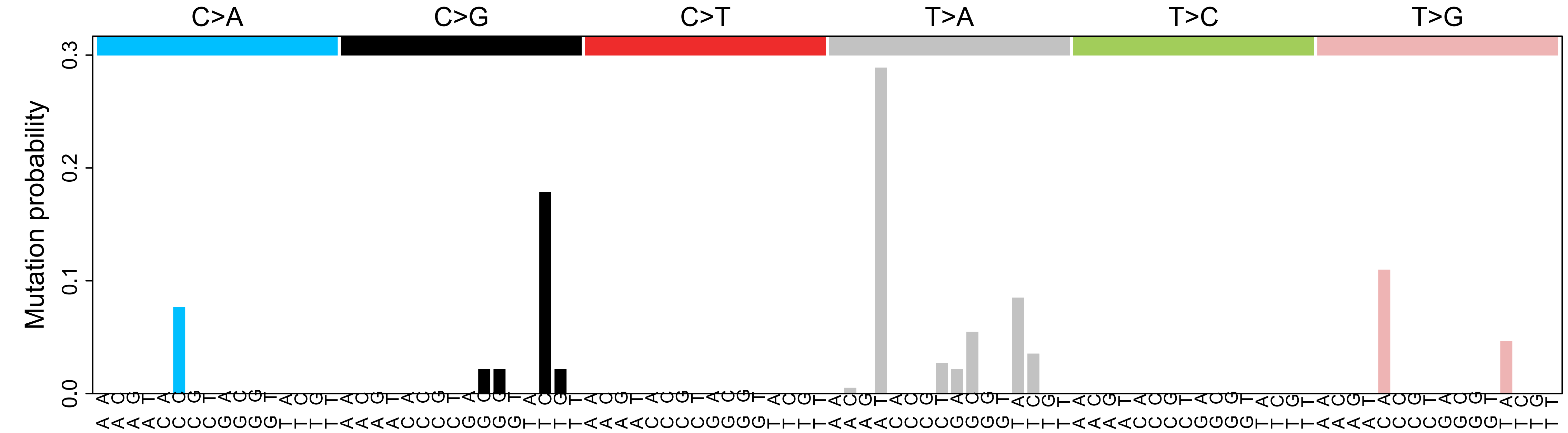
**T>A**

**T>C**

**T>G**



**semustine\_5a98bdaabcd0**



**semustine\_f81842a4d573**

$C > A$

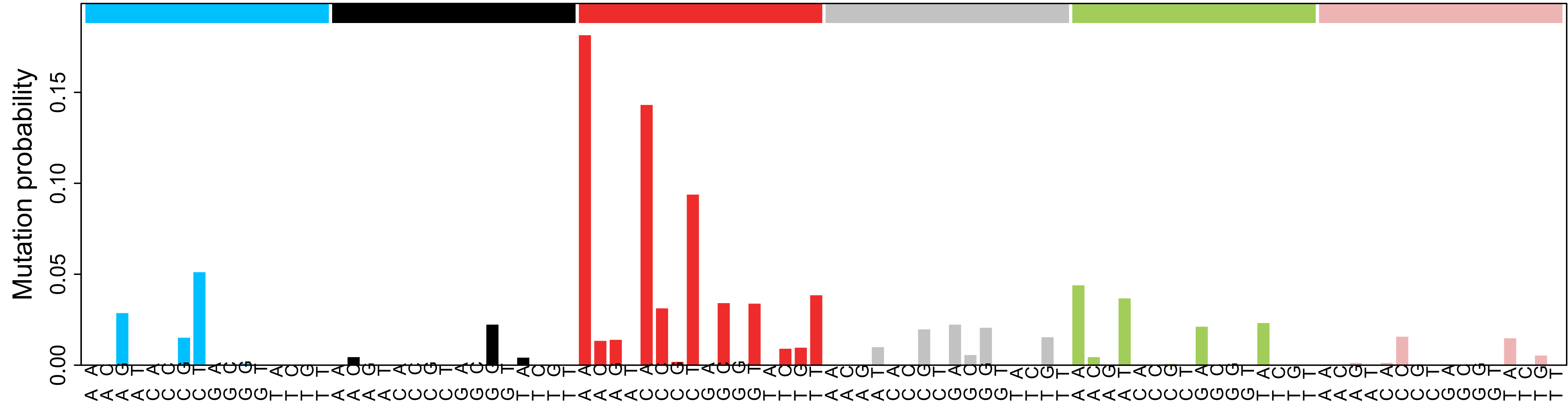
C>G

**C>T**

**T>A**

**T>C**

**T>G**



**simulated\_solar\_radiation\_04d97e27a495**

C > A

C > G

$C > T$

**T > A**

**T > C**

**T>G**



**sodium\_arsenite\_90245b3e0140**

**C>A**

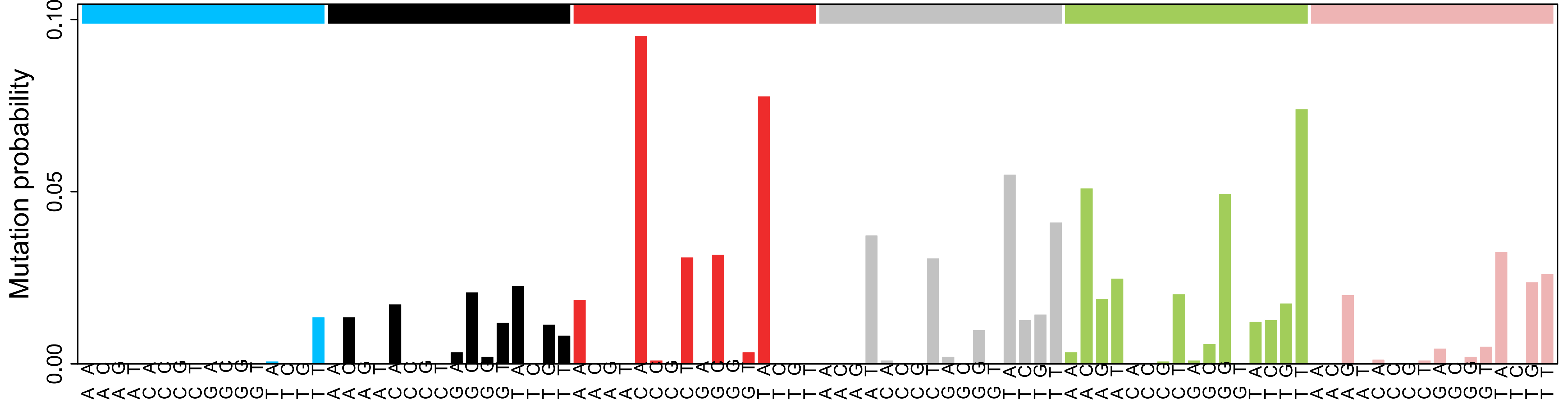
C>G

C>T

**T > A**

$T > C$

**T>G**





# sodium\_chloride\_02280bd72cf9

C>A

C>G

C>T

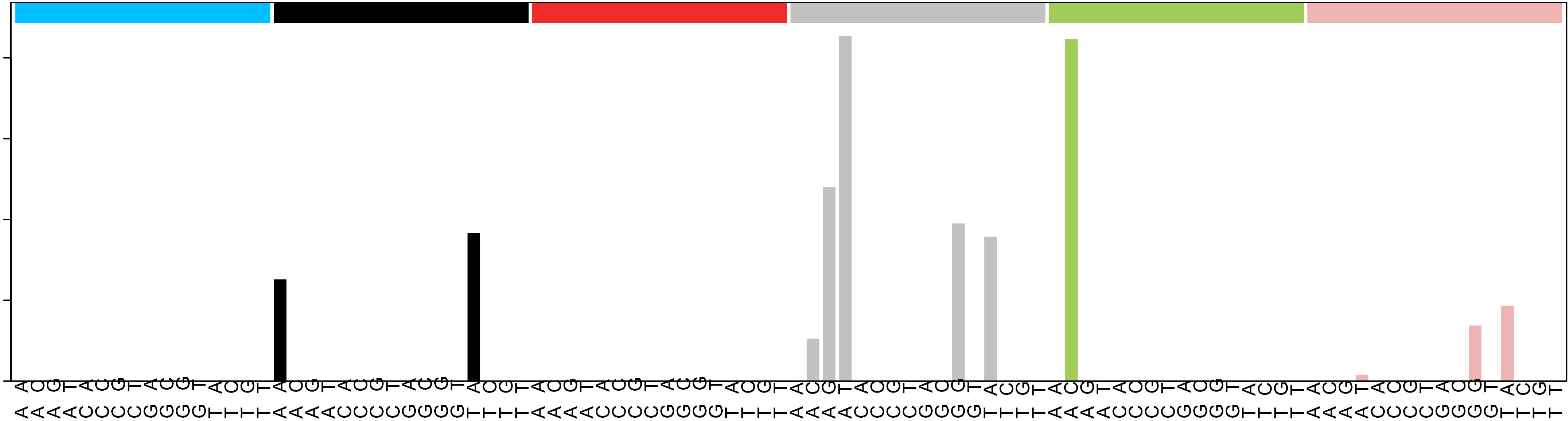
T>A

T>C

T>G

Mutation probability

0.00  
0.05  
0.10  
0.15  
0.20





sudan\_i\_c63d6349b4cb

C>A

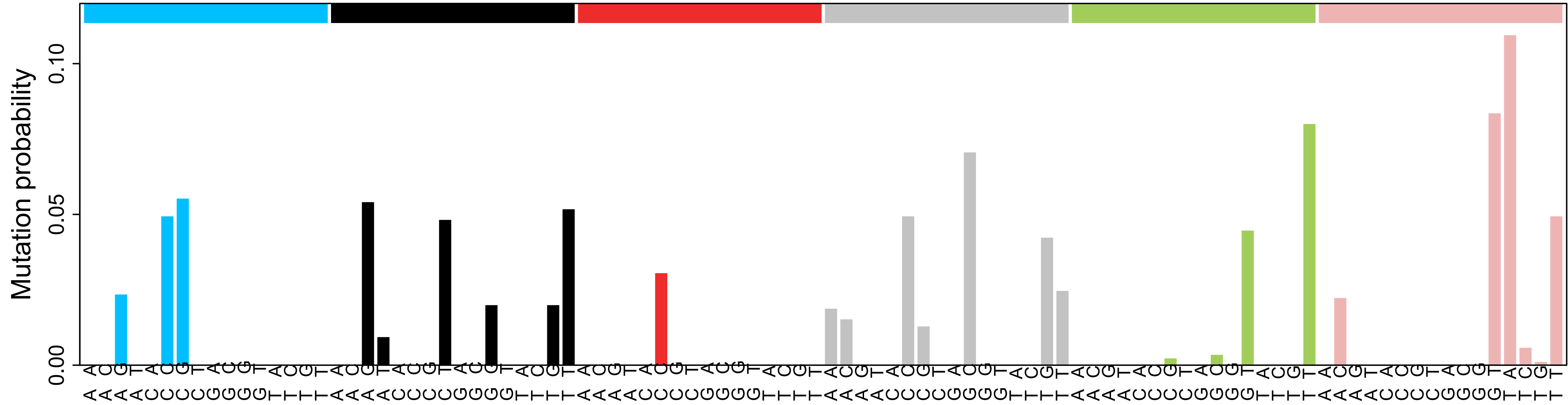
C>G

C>T

T>A

T>C

T>G





water\_5807eebc2535

