

SBS2

$C > A$

C > G

$$C > T$$

T > A

$$T > C$$

$T > G$

Mutation probability

0.0 0.1 0.2 0.3 0.4 0.5

[illegible]

SBS3



SBS4

$C > A$

C > G

$$C > T$$

T > A

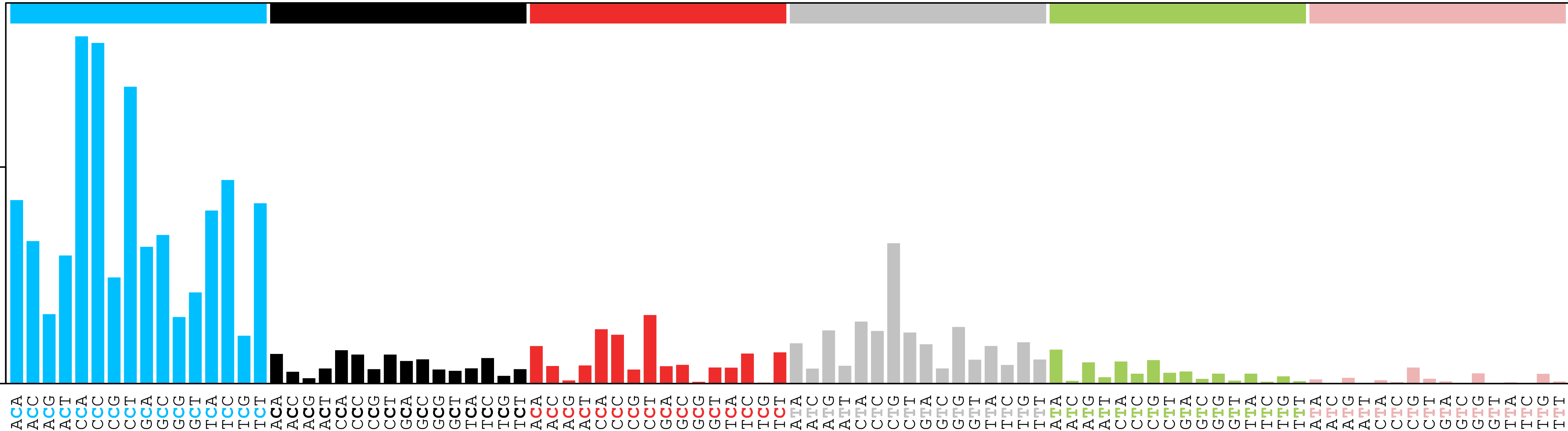
$T > C$

T>G

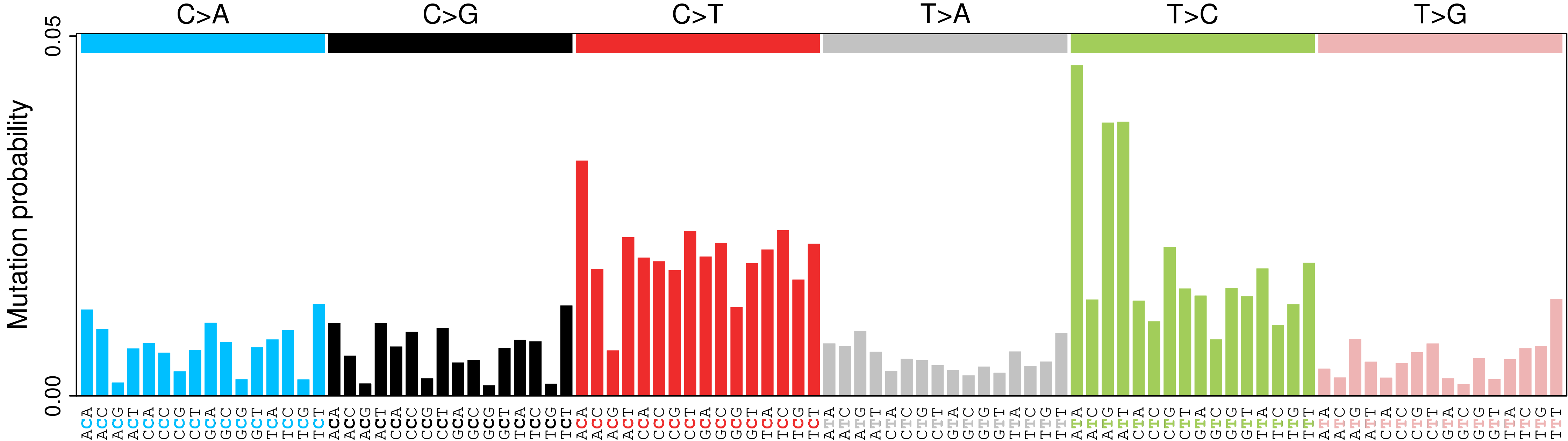
Mutation probability

0.05

0.00



SBS5



SBS7c

C > A

C > G

$$C > T$$

T > A

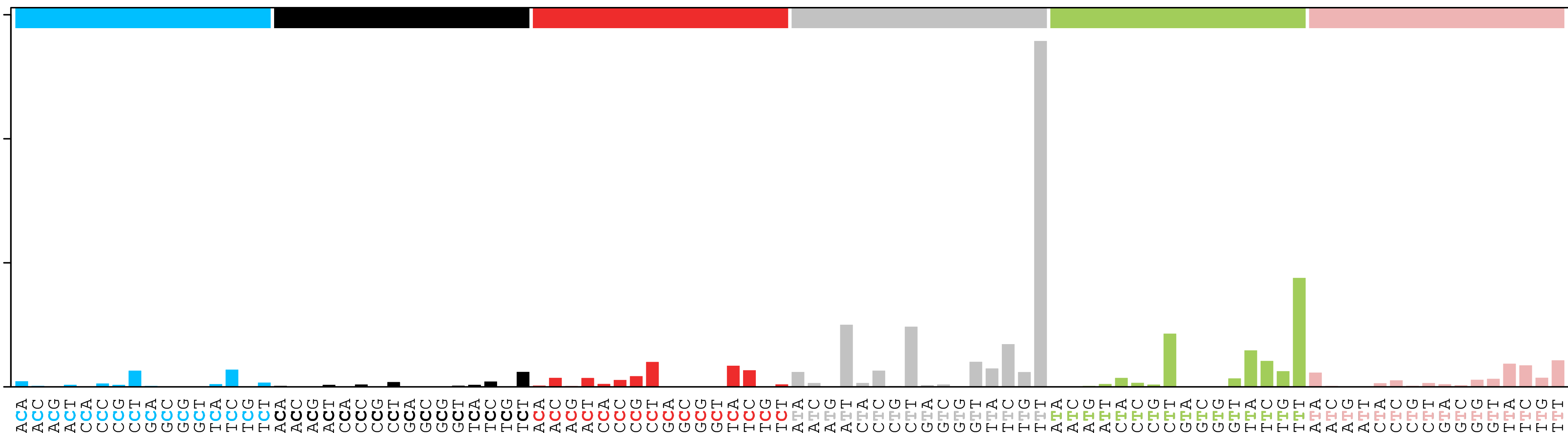
$$T > C$$

$T > G$

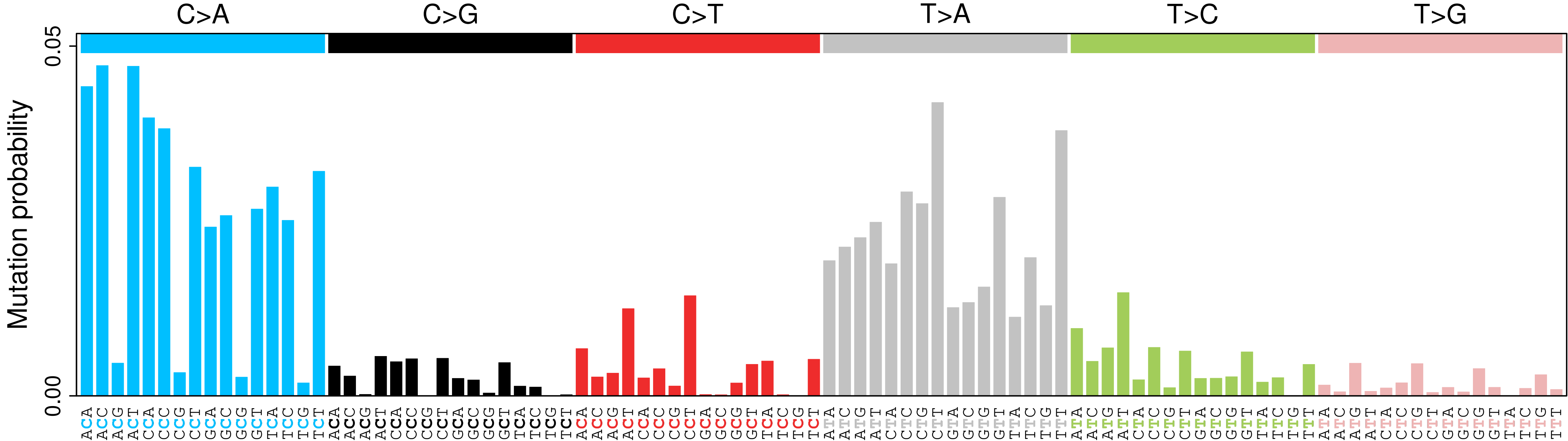
0.3

0

0



SBS8



SBS9

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.05

0.00

ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GTC TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GTC TCA TCC TCG TCT ACA ACC ACG ACT CCA CCC CCG 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

SBS10a

C>A

C>G

C>T

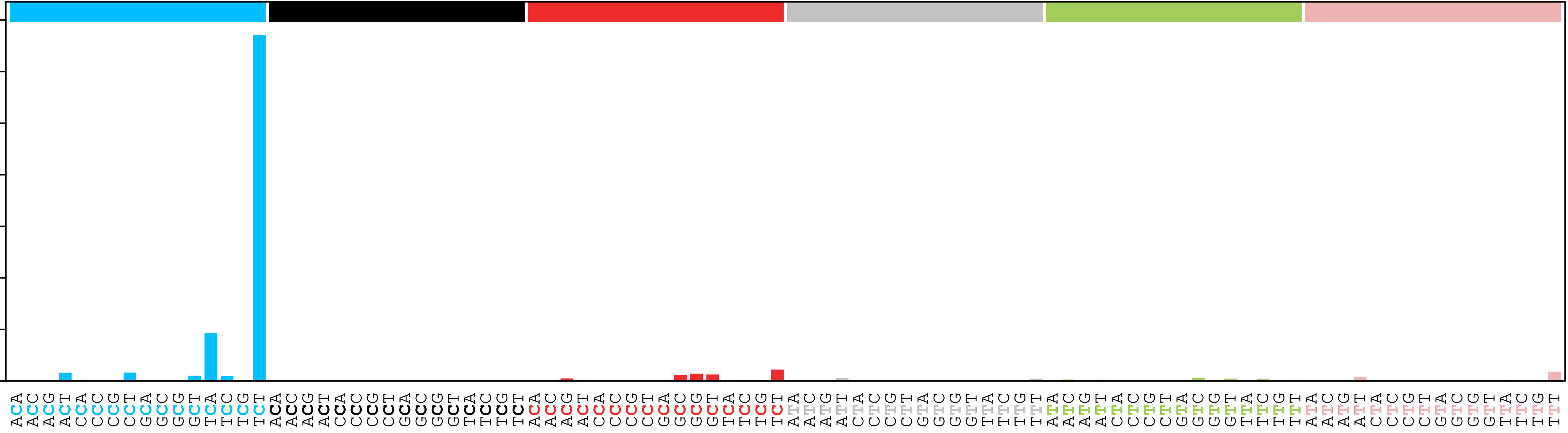
T>A

T>C

T>G

Mutation probability

0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0



SBS10b



SBS10c

$C > A$

C > G

$C > T$

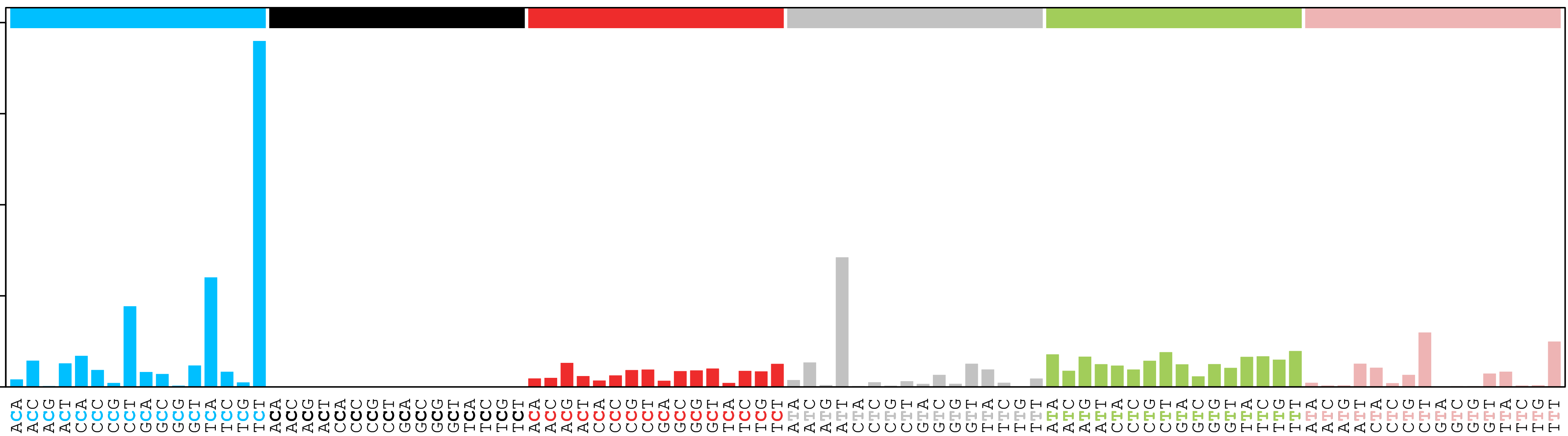
T > A

$T > C$

T>G

Mutation probability

0.00 0.05 0.10 0.15 0.20



SBS10d

C>A

C>G

C>T

T>A

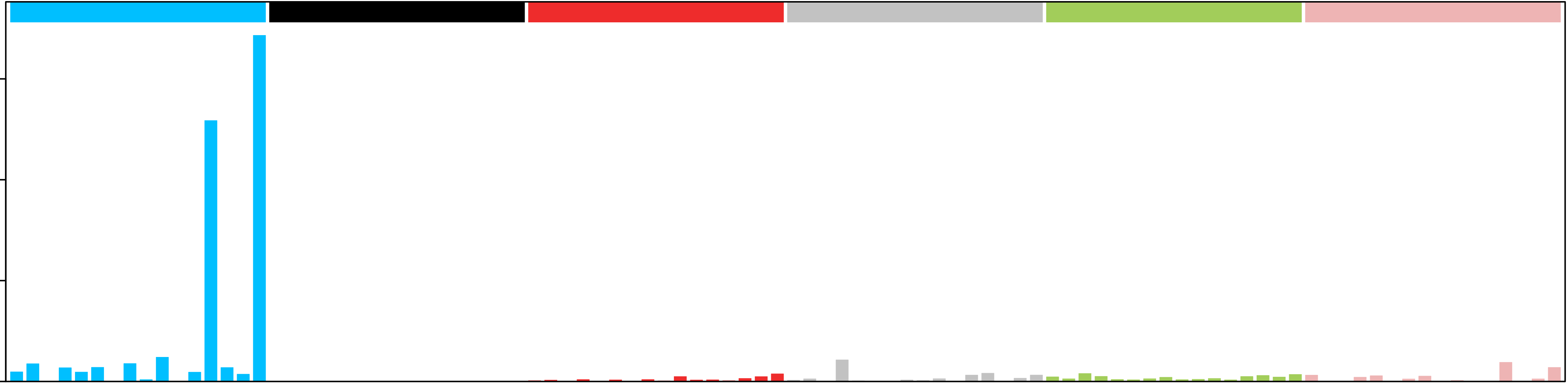
T>C

T>G

Mutation probability

0.3
0.2
0.1
0.0

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



SBS12

C>A

C>G

C>T

T>A

T>C

T>G

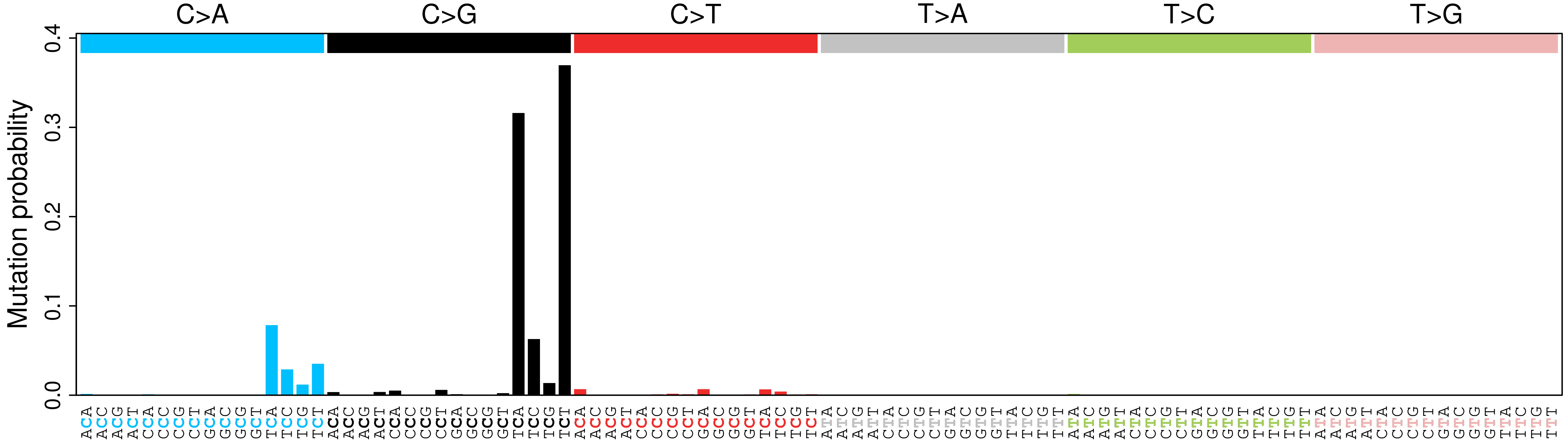
Mutation probability

0.05

0.00

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SBS13



SBS17a

C>A

C>G

C>T

T>A

T>C

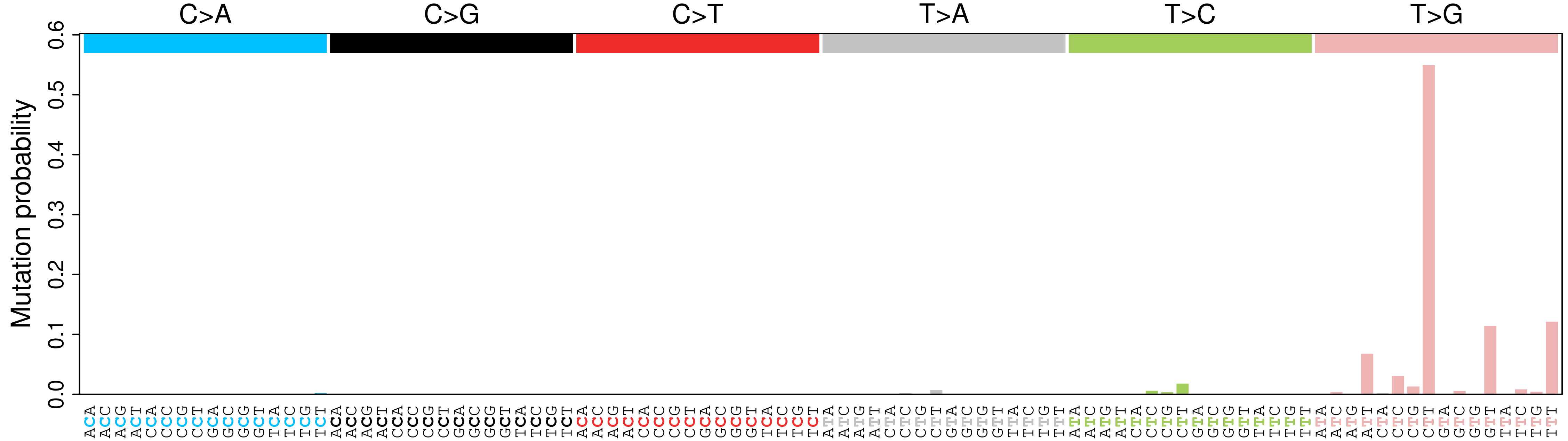
T>G

Mutation probability

0.4
0.3
0.2
0.1
0.0

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SBS17b



SBS18

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.10
0.05
0.00



SBS22a

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.15

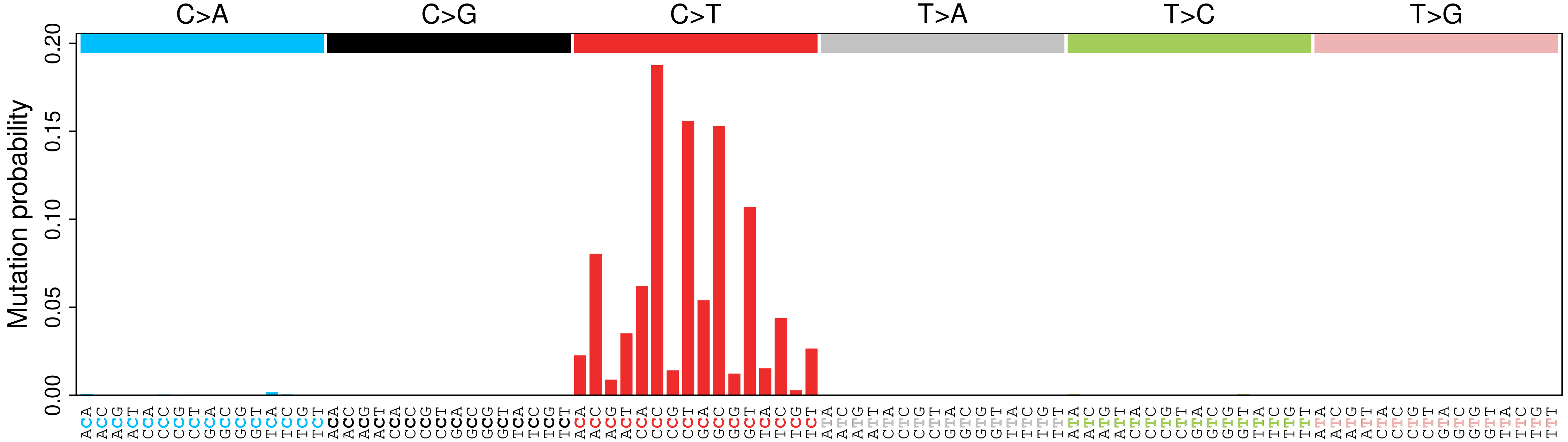
0.10

0.05

0.00

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SBS23



SBS25

C>A

C>G

C>T

T>A

T>C

T>G

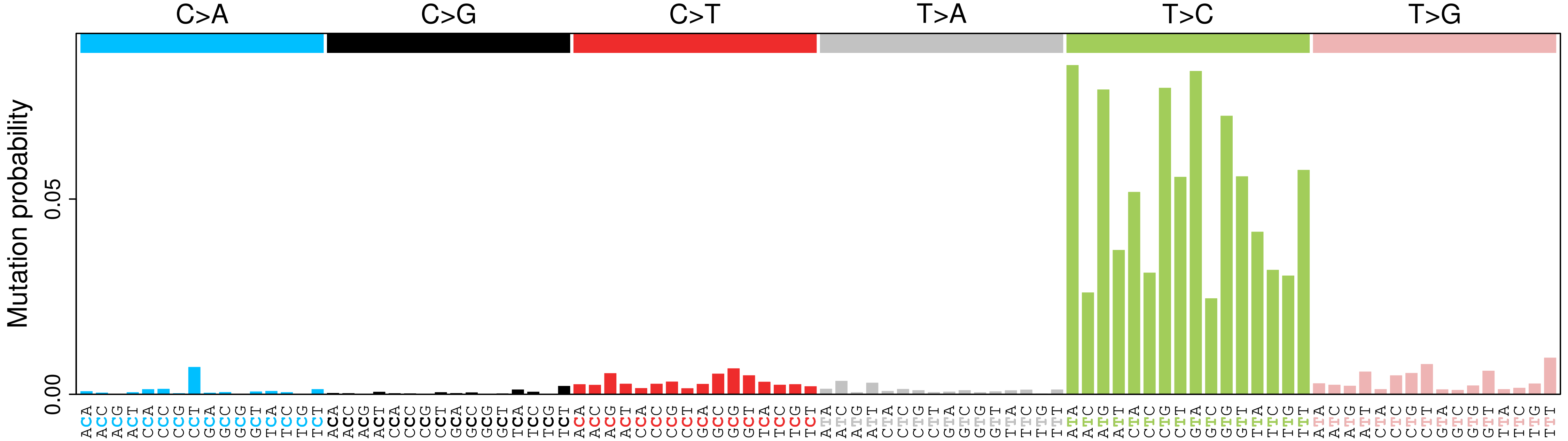
Mutation probability

0.05

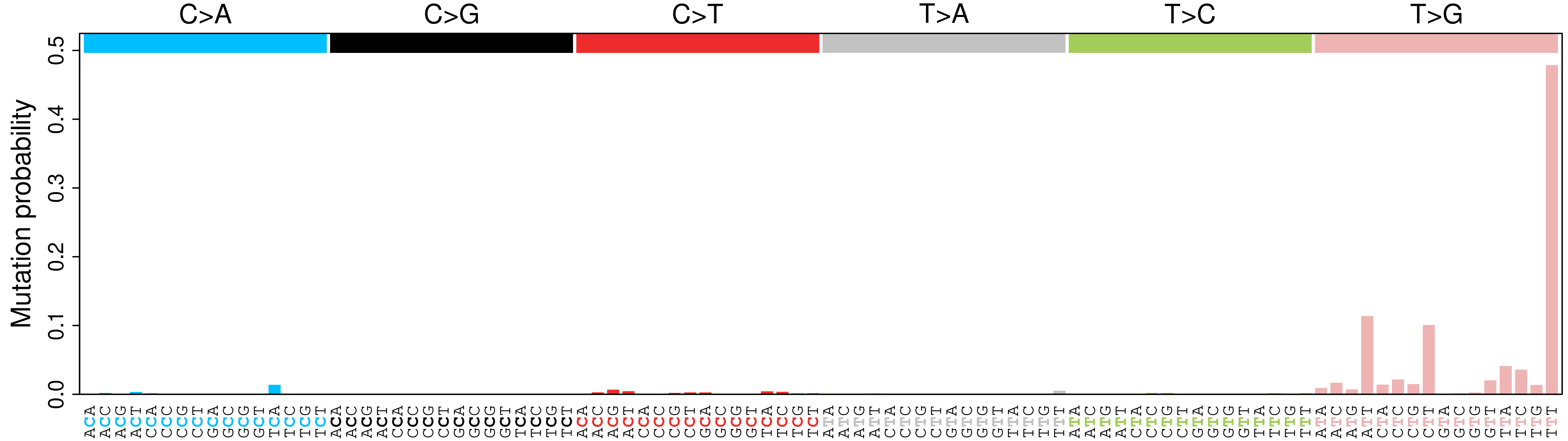
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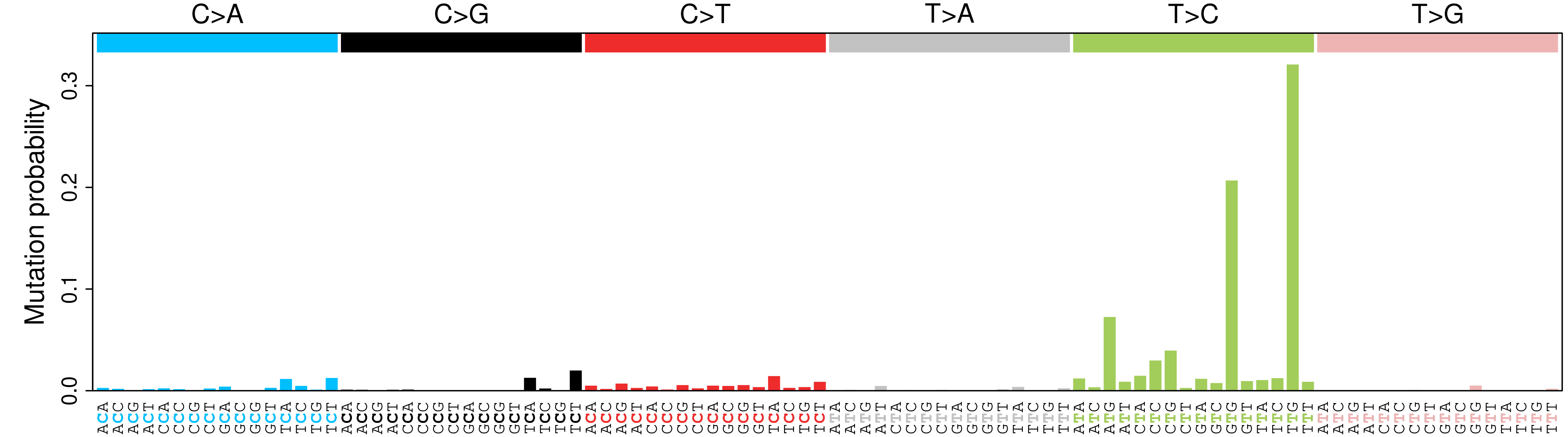
SBS26



SBS28



SBS33



SBS34

$C > A$

C > G

$$C > T$$

T > A

$T > C$

T>G

Mutation probability

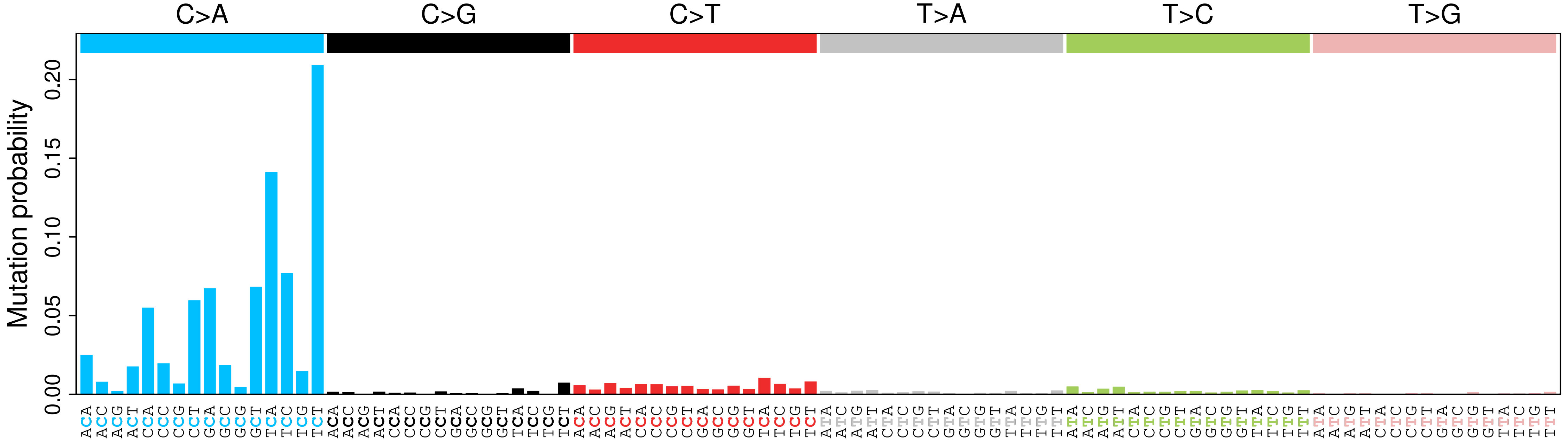
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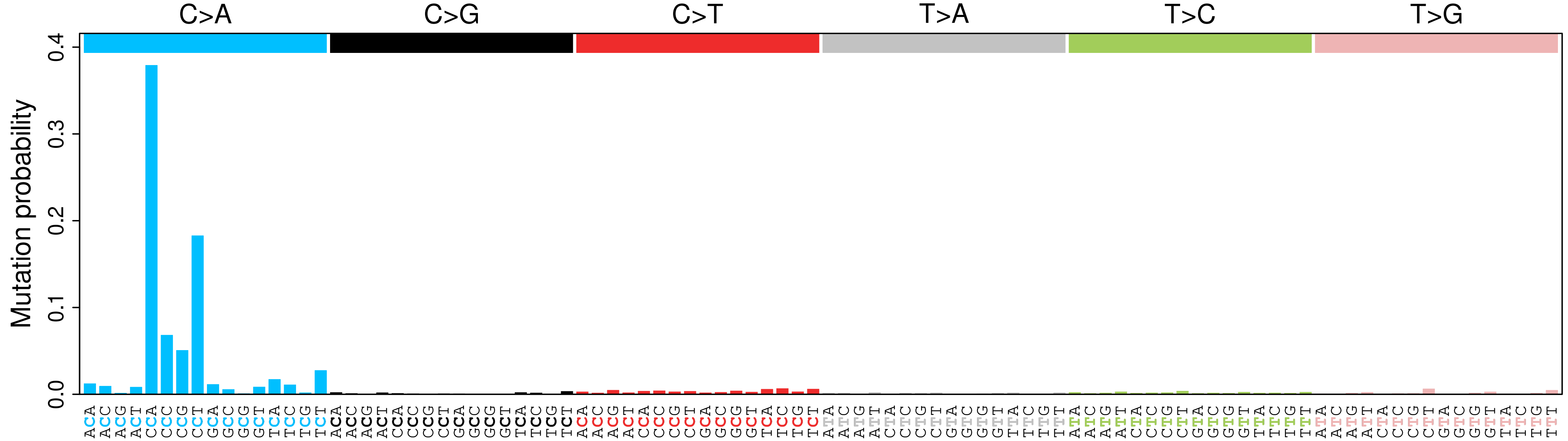
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[illegible]

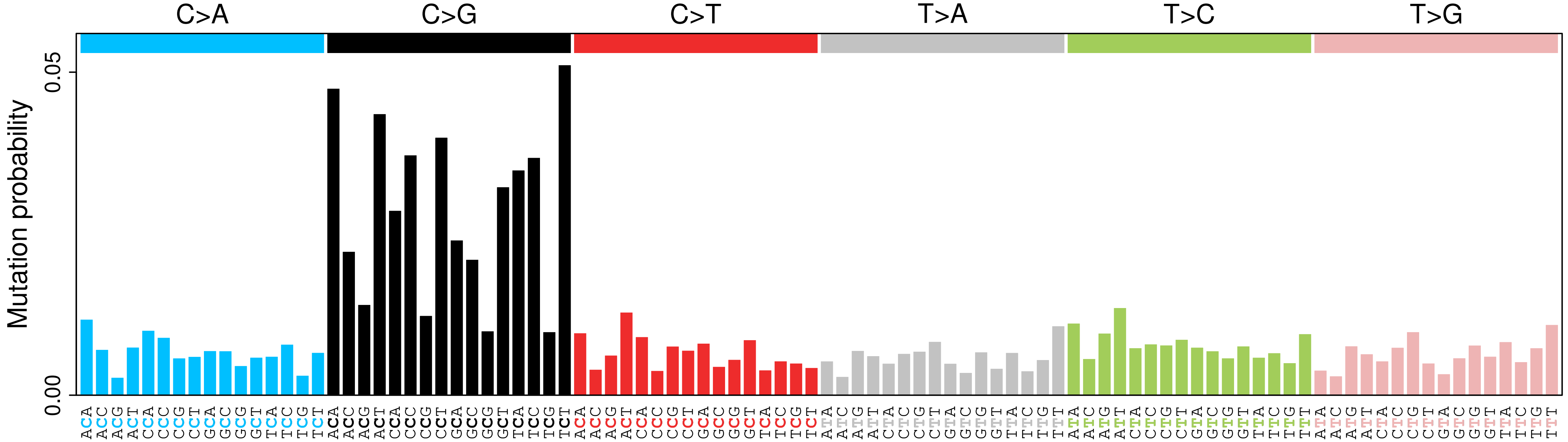
SBS36



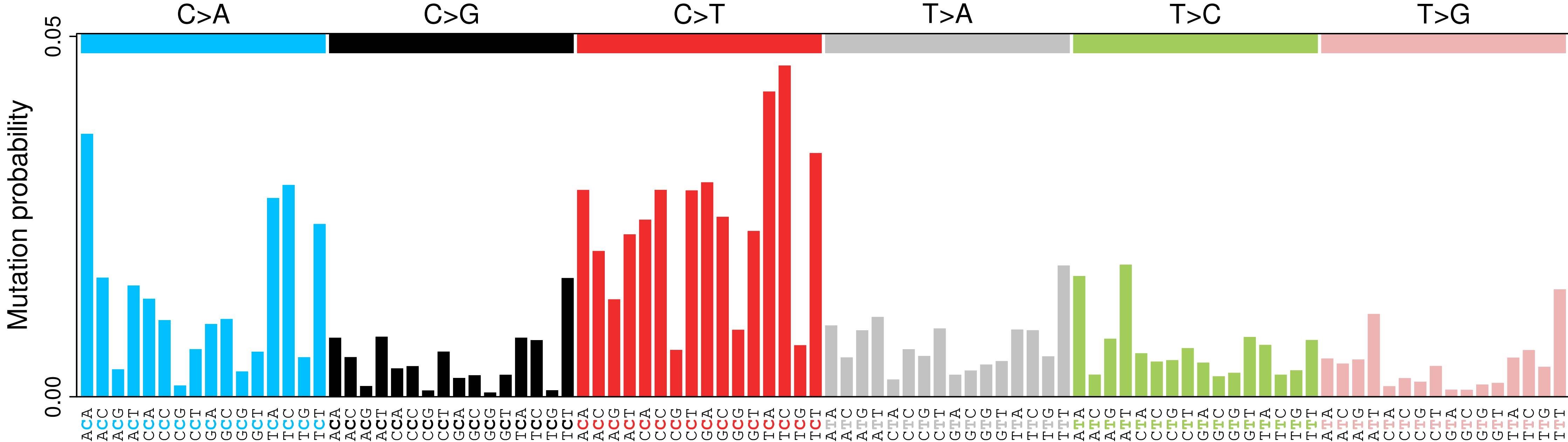
SBS38



SBS39



SBS40a



SBS40b

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.05

0.00

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

SBS41

C>A

C>G

C>T

T>A

T>C

T>G

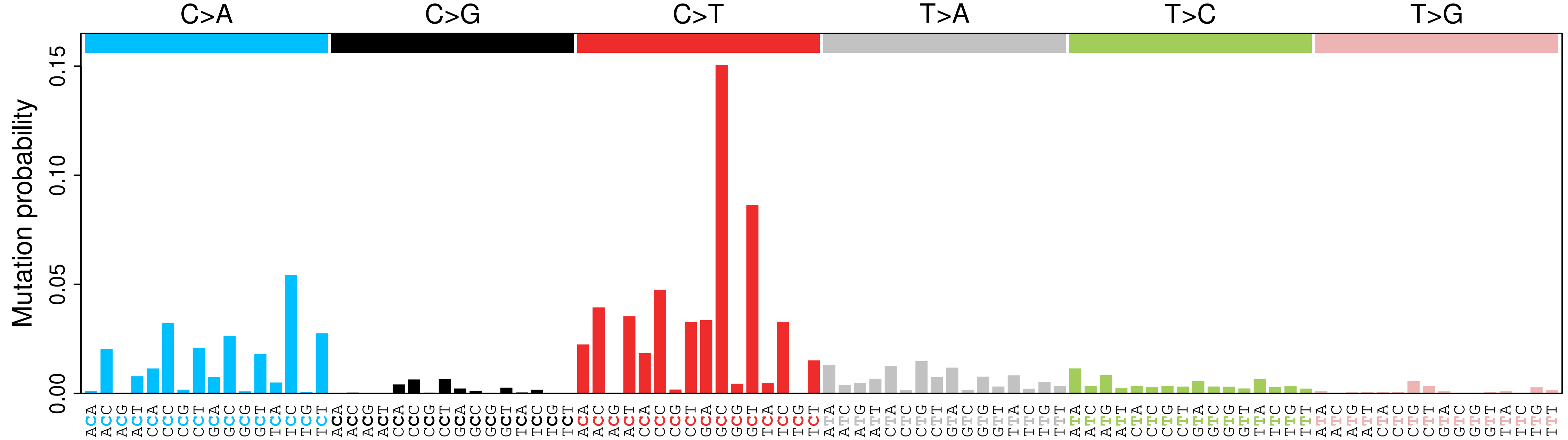
Mutation probability

0.05

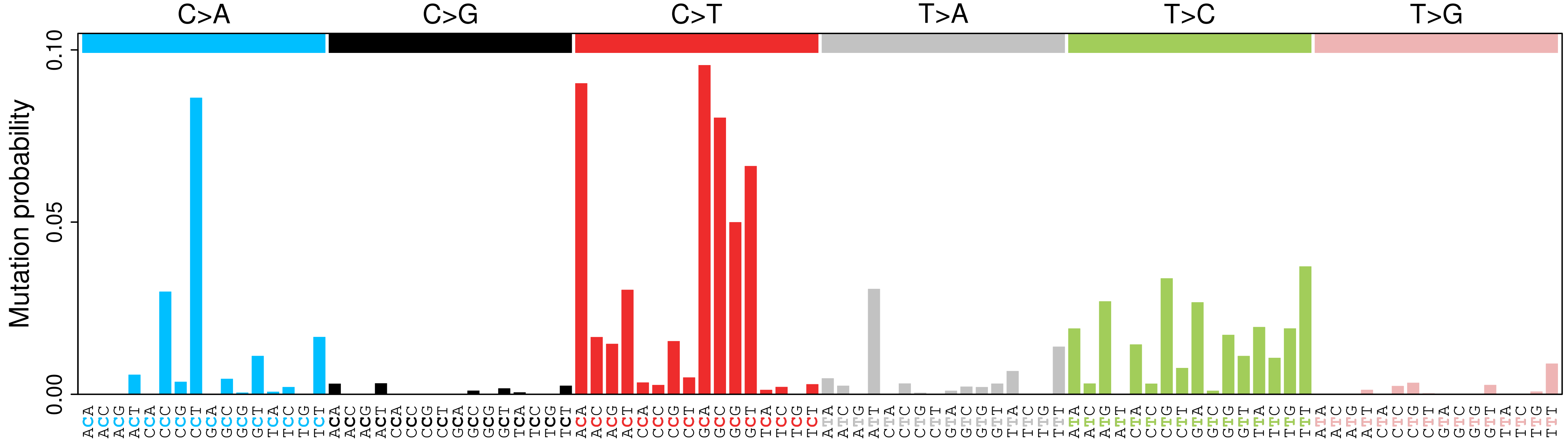
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SBS42



SBS44



SBS45

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

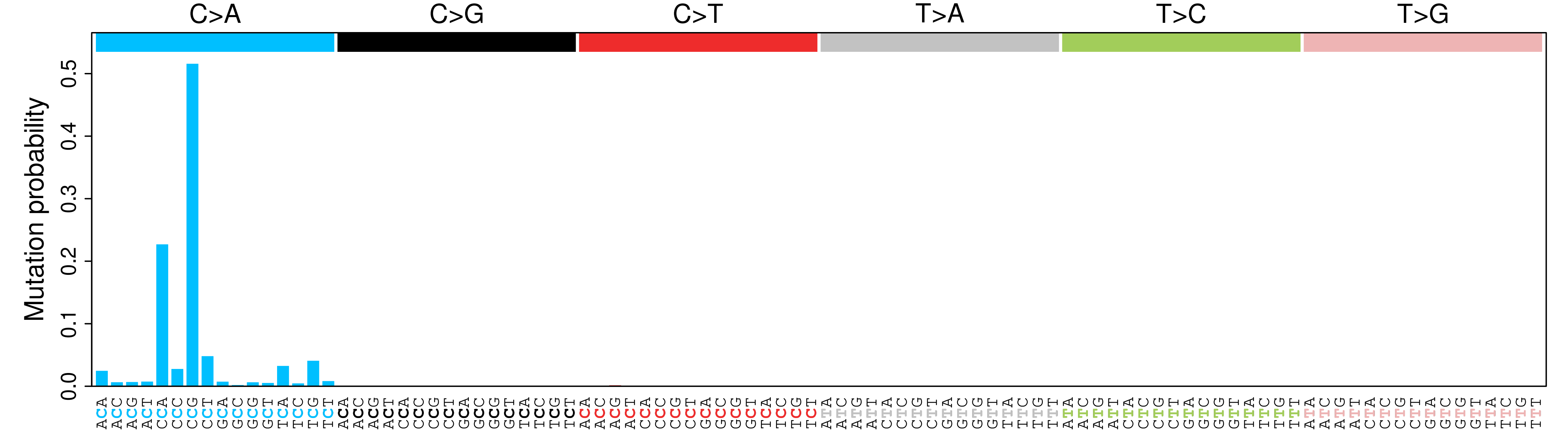
0.2
0.1
0.0

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SBS46



SBS49



SBS50

$C > A$

C > G

$C > T$

T > A

$$T > C$$

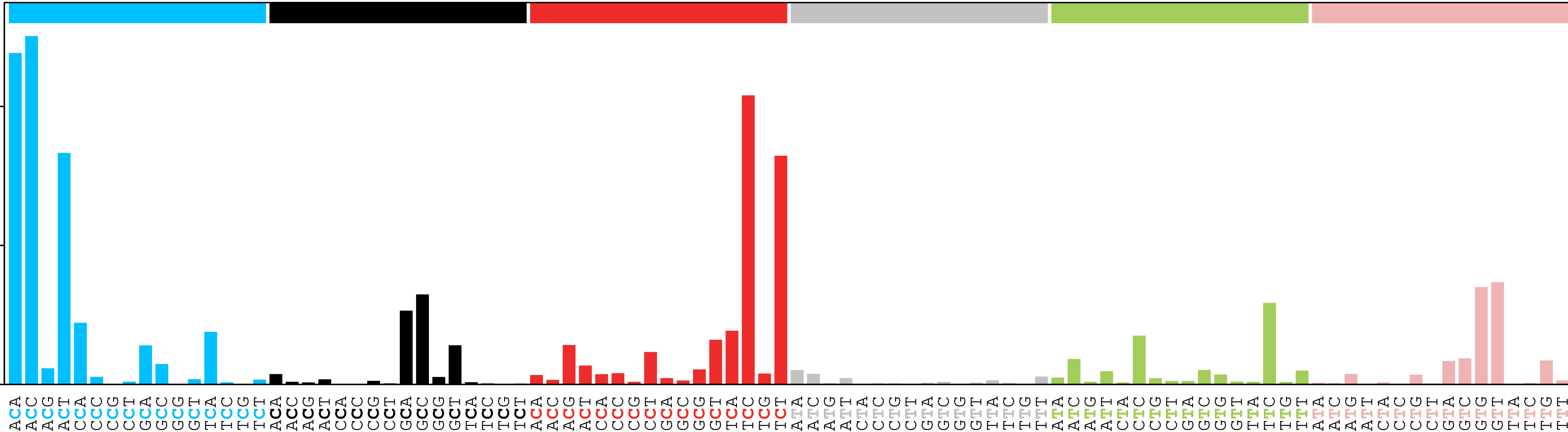
$T > G$

Mutation probability

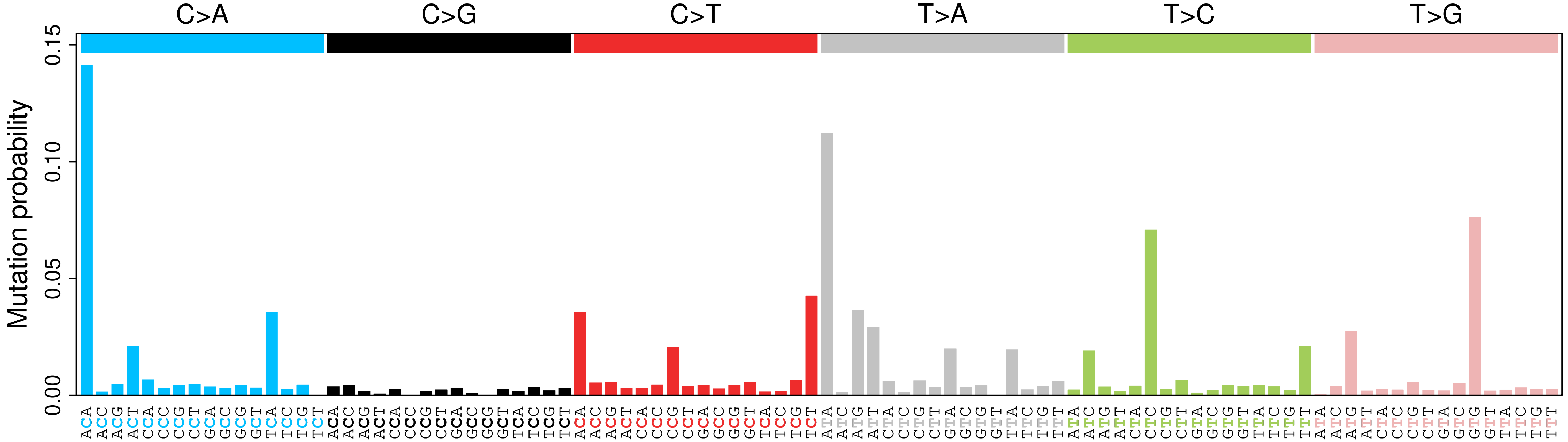
0.10

50.

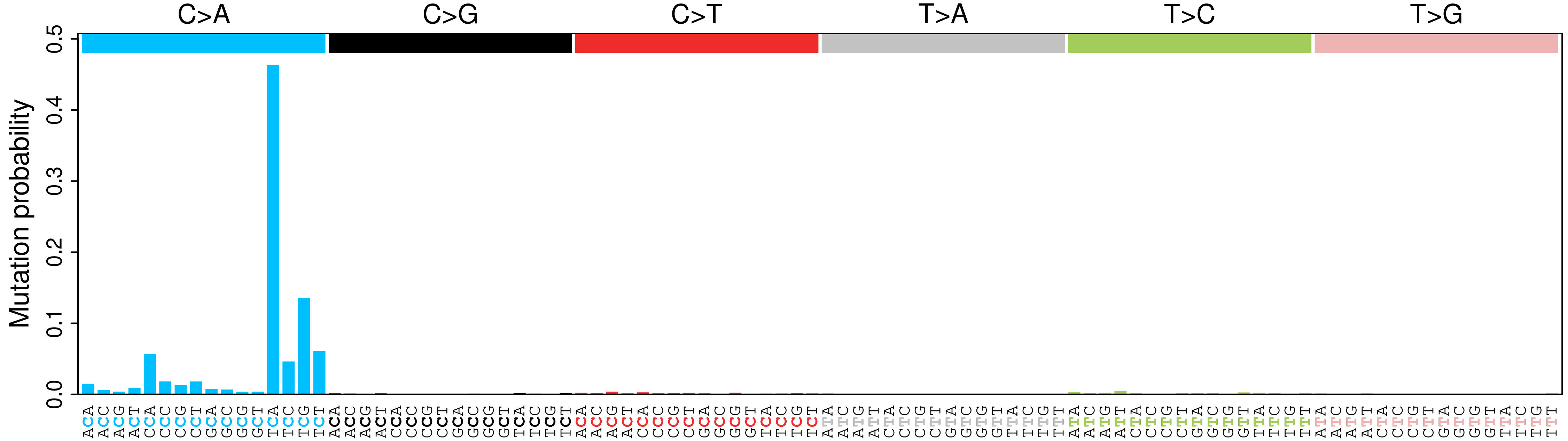
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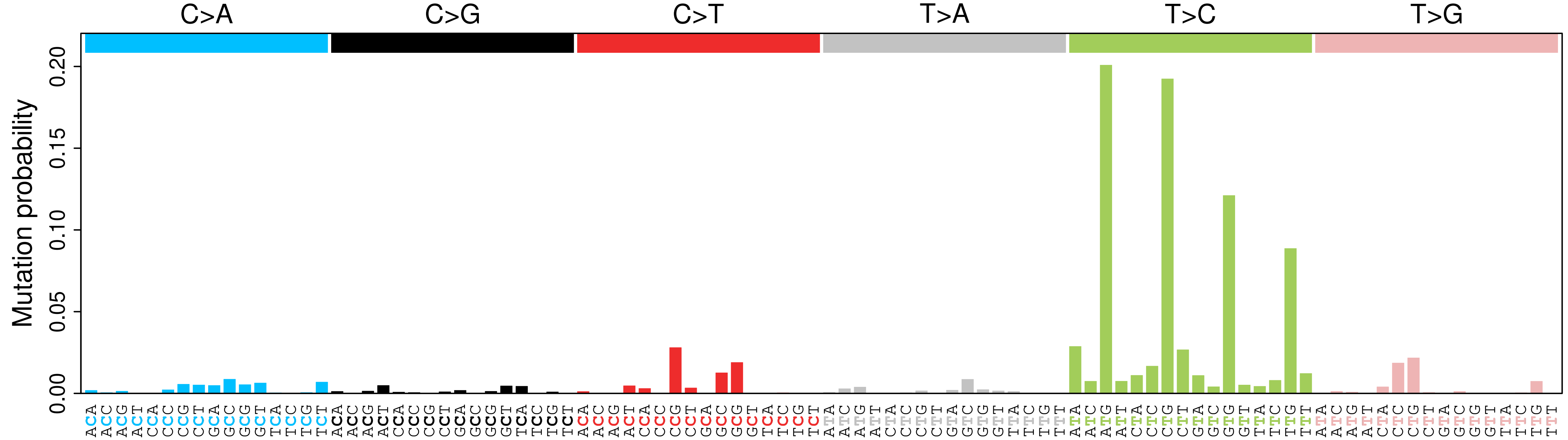
SBS51



SBS52



SBS54



SBS57

C>A

C>G

C>T

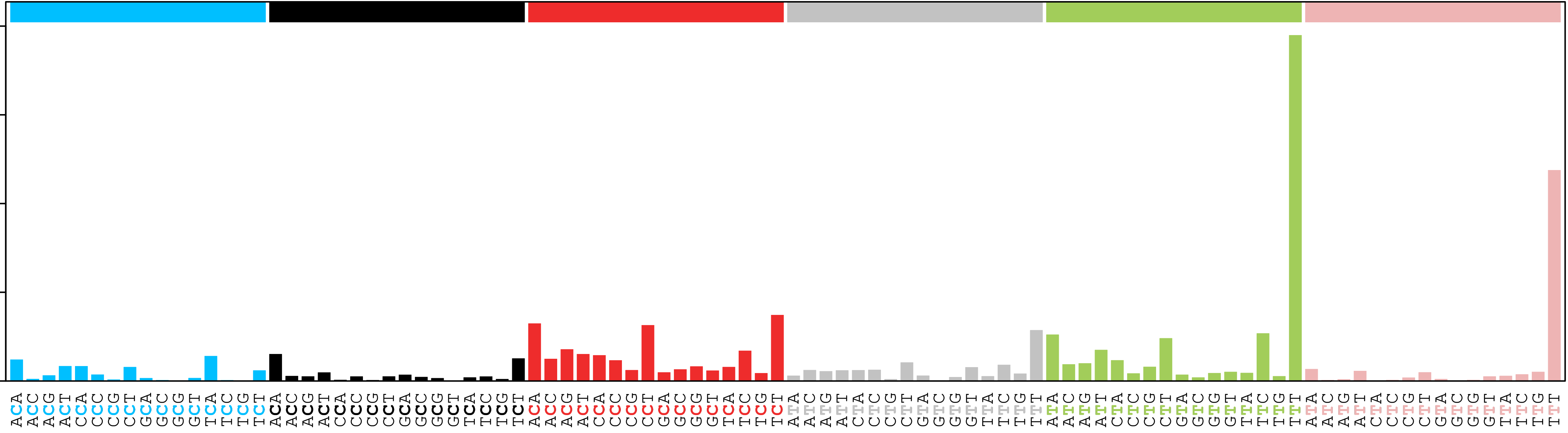
T>A

T>C

T>G

Mutation probability

0.20
0.15
0.10
0.05
0.00



SBS58

C>A

C>G

C>T

T>A

T>C

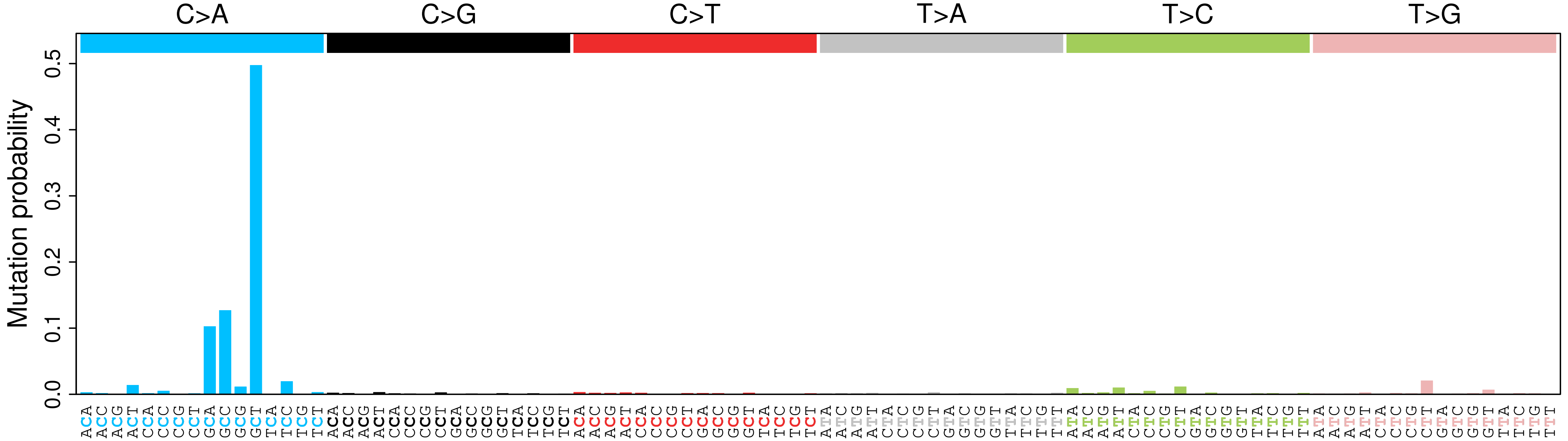
T>G

Mutation probability

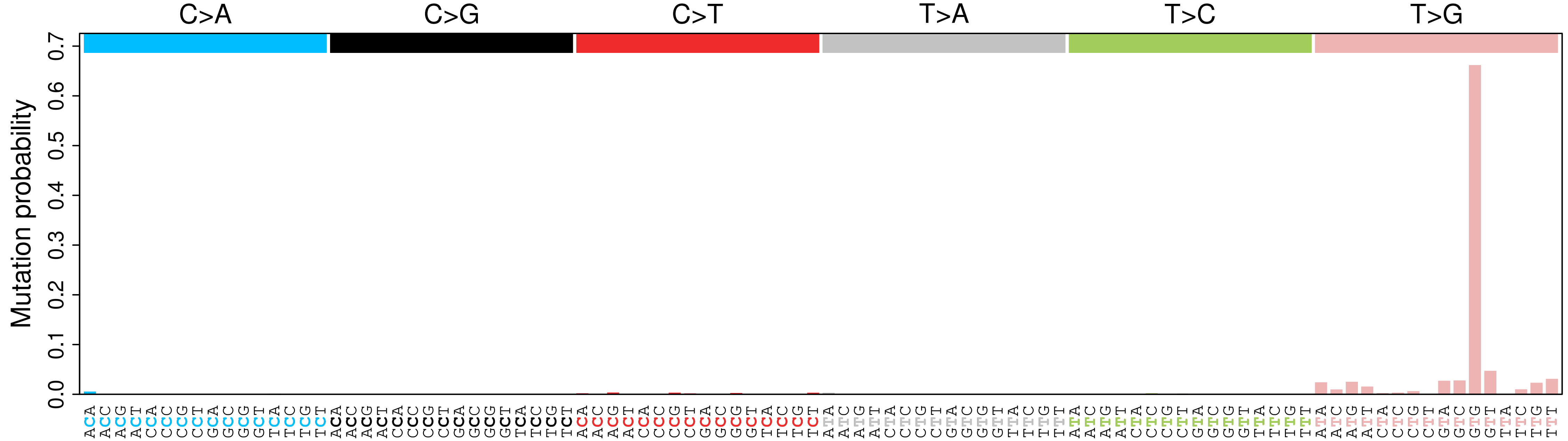
0.15
0.10
0.05
0.00

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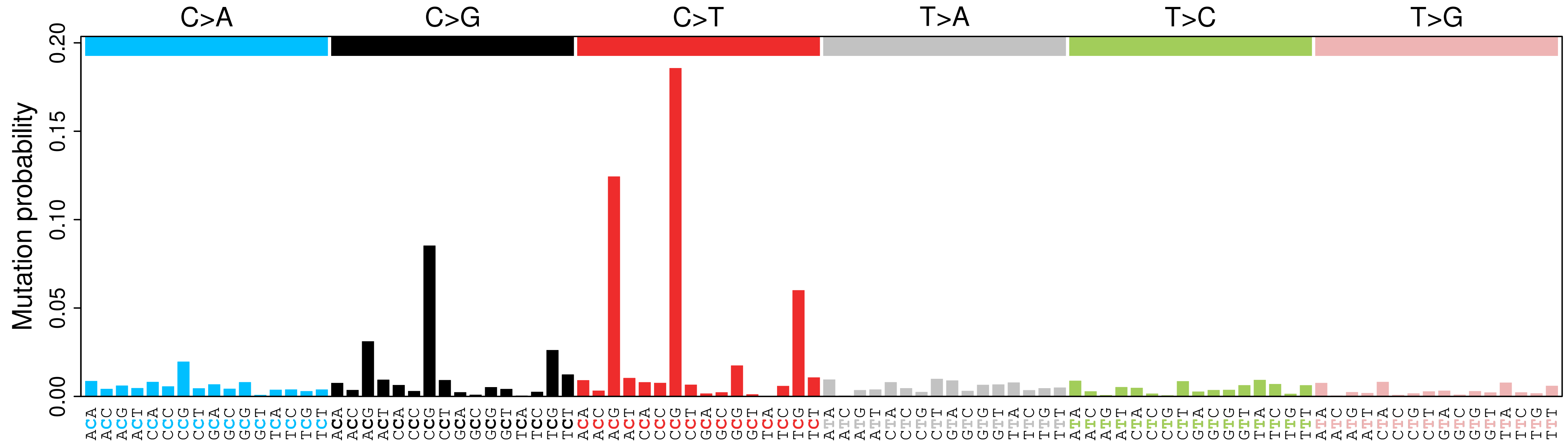
SBS59



SBS60



SBS87



SBS91

$C > A$

C > G

$$C > T$$

T > A

$T > C$

T>G

Mutation probability

0.3

0.2

0

[illegible]

SBS92

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.05

0.00

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

SBS94

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.05

0.00

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 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

SBS95

$C > A$

C > G

$$C > T$$

T > A

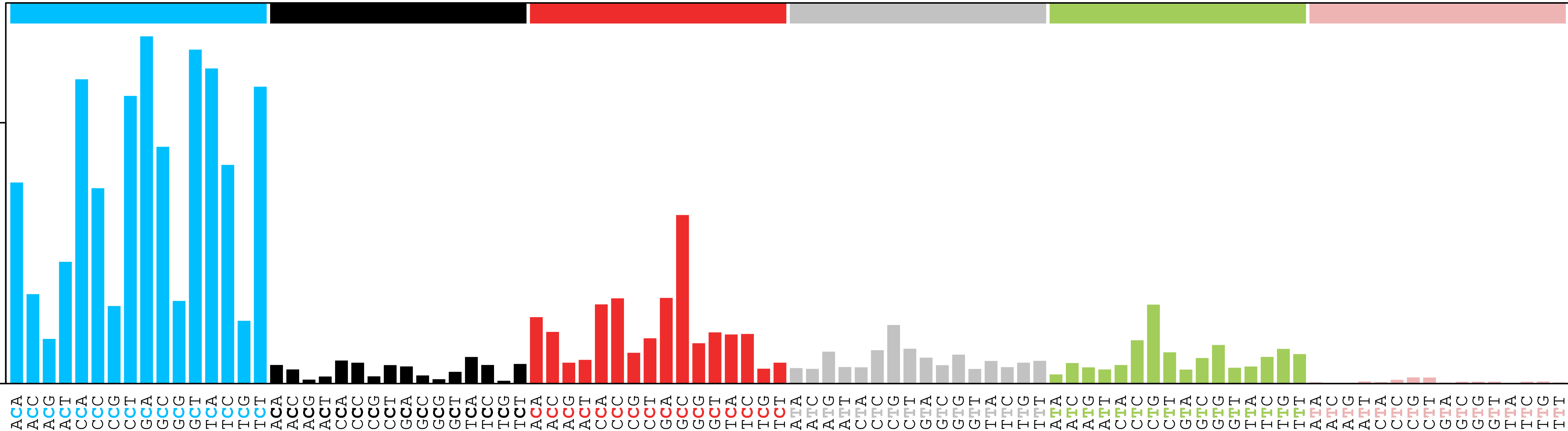
$T > C$

T>G

Mutation probability

0.05

0.00



SBS96

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.05

0.00

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 ACA ACC ACG ACT CCA CCC CCG CCT GCA GCC GGT GCT TCA TCC TCG TCT 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

SBS97



SBS99

$C > A$

C > G

$$C > T$$

T > A

$T > C$

T>G

