

SBS1



SBS3



SBS4

$C > A$

C > G

$$C > T$$

T > A

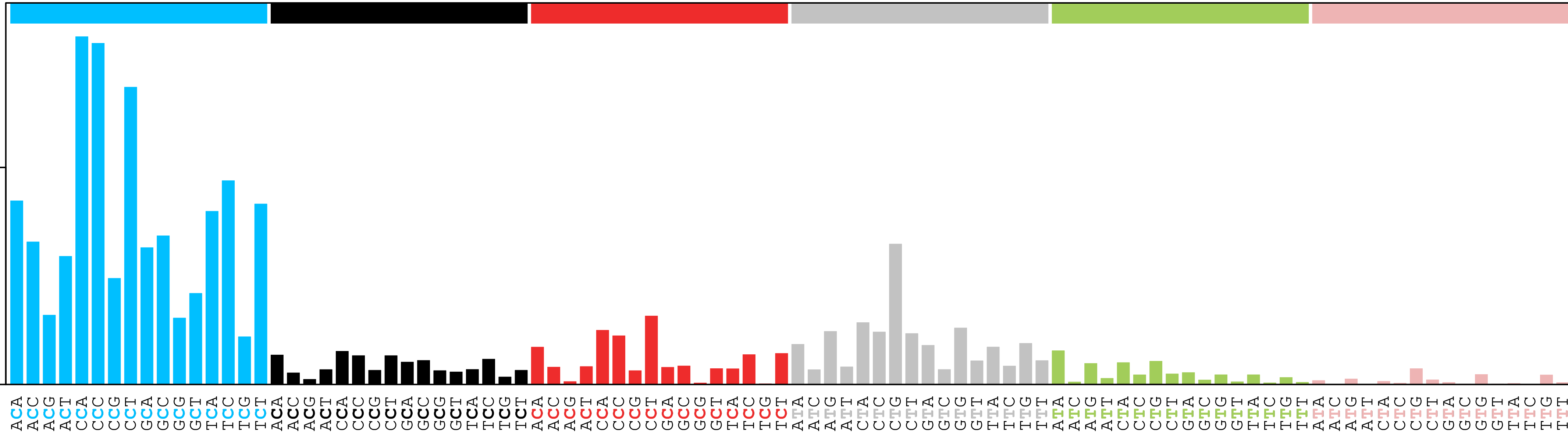
$T > C$

T>G

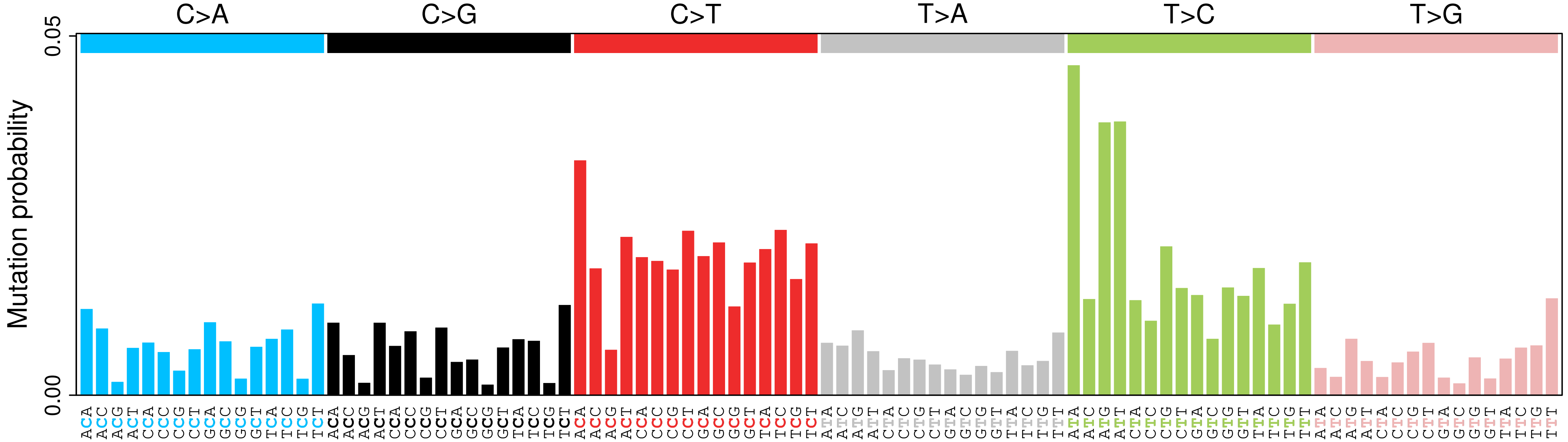
Mutation probability

0.05

0.00



SBS5



SBS7d

$C > A$

C > G

$$C > T$$

T > A

$T > C$

T>G

Mutation probability

0.3

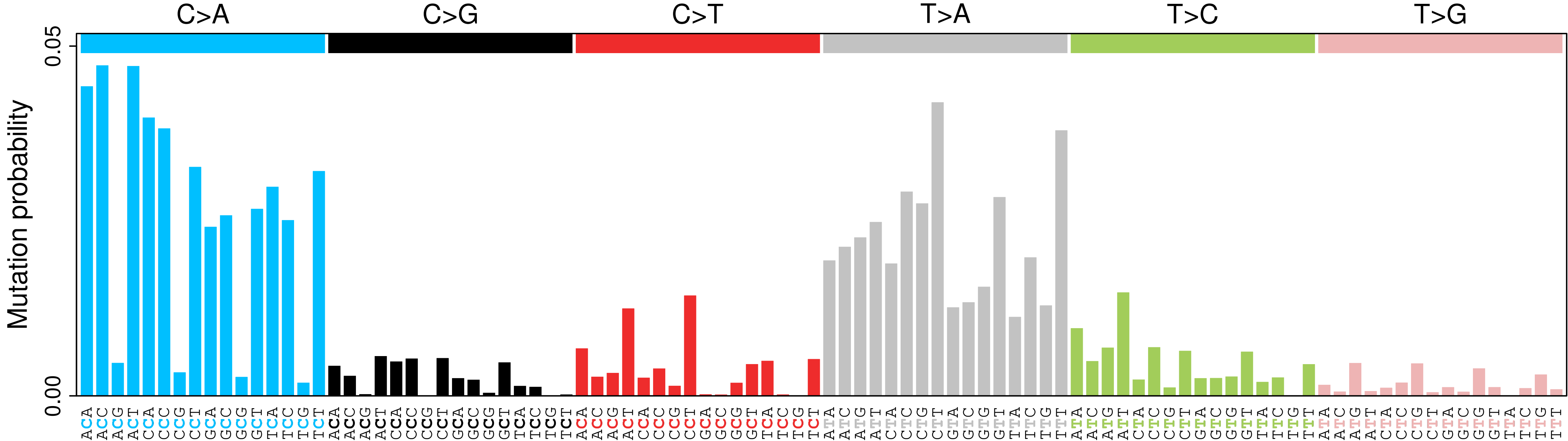
0.2

0.

0

[illegible]

SBS8



SBS9

C>A

C>G

C>T

T>A

T>C

T>G

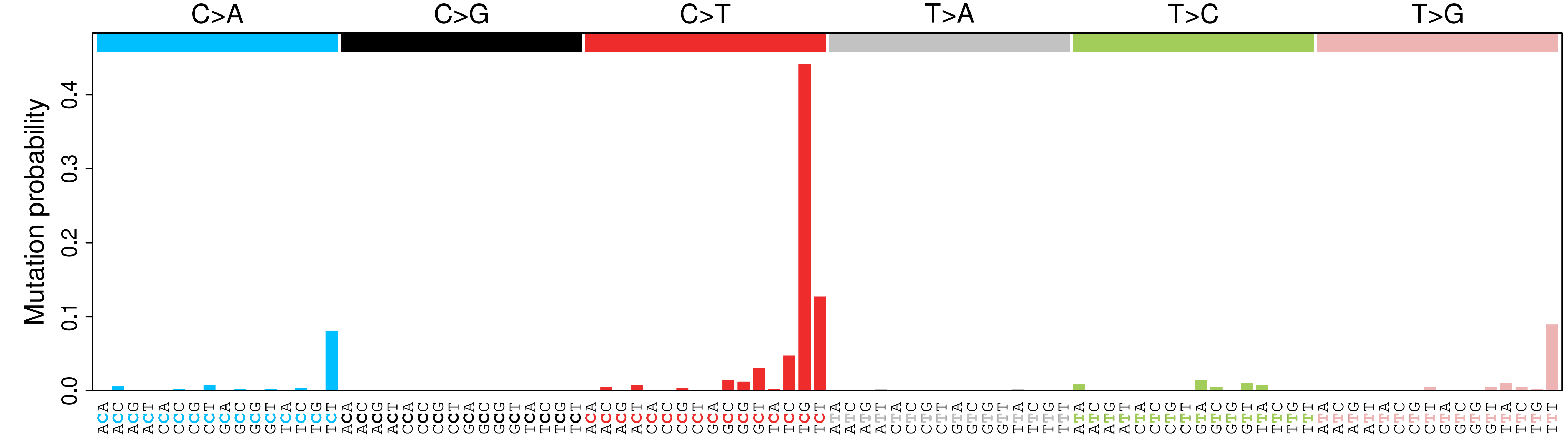
Mutation probability

0.05

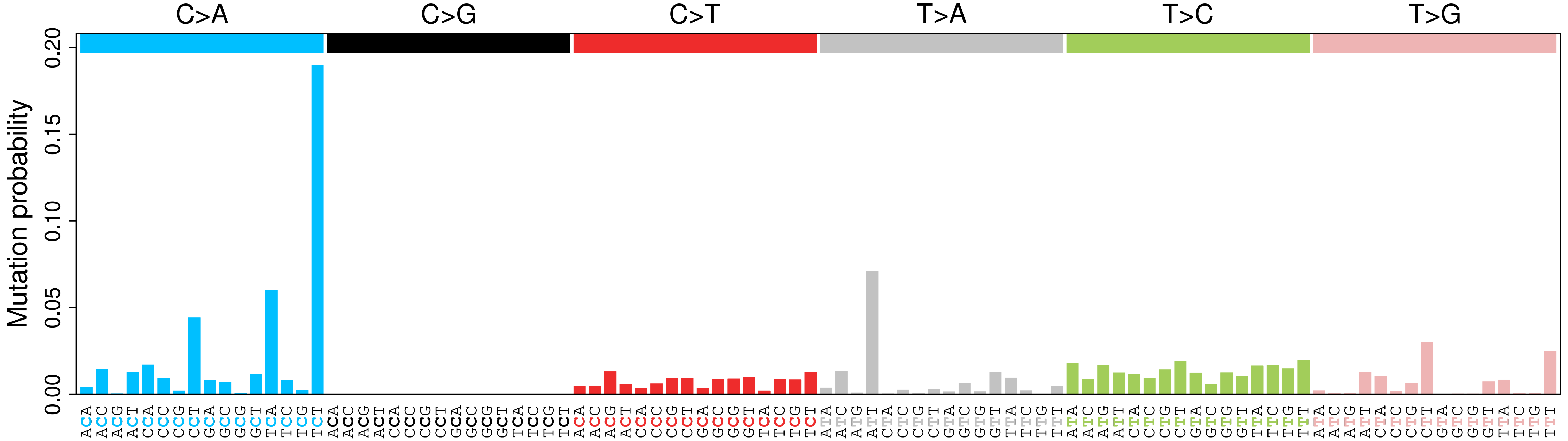
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SBS10b



SBS10c



SBS10d

$C > A$

C > G

$$C > T$$

T > A

$$T > C$$

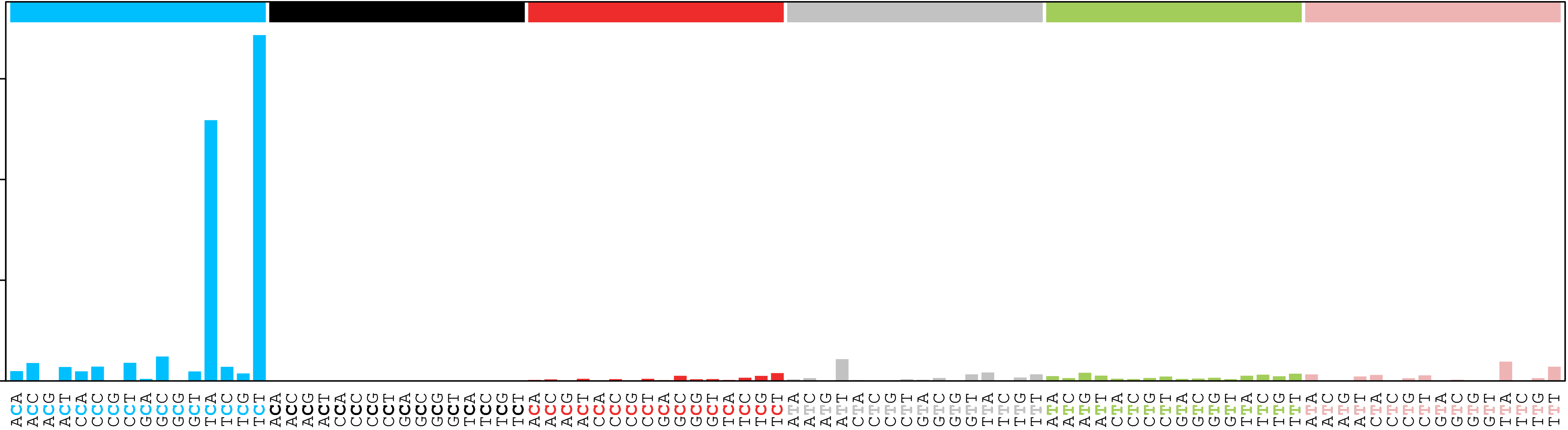
T > G

Mutation probability

0.3

0.

0



SBS12

C>A

C>G

C>T

T>A

T>C

T>G

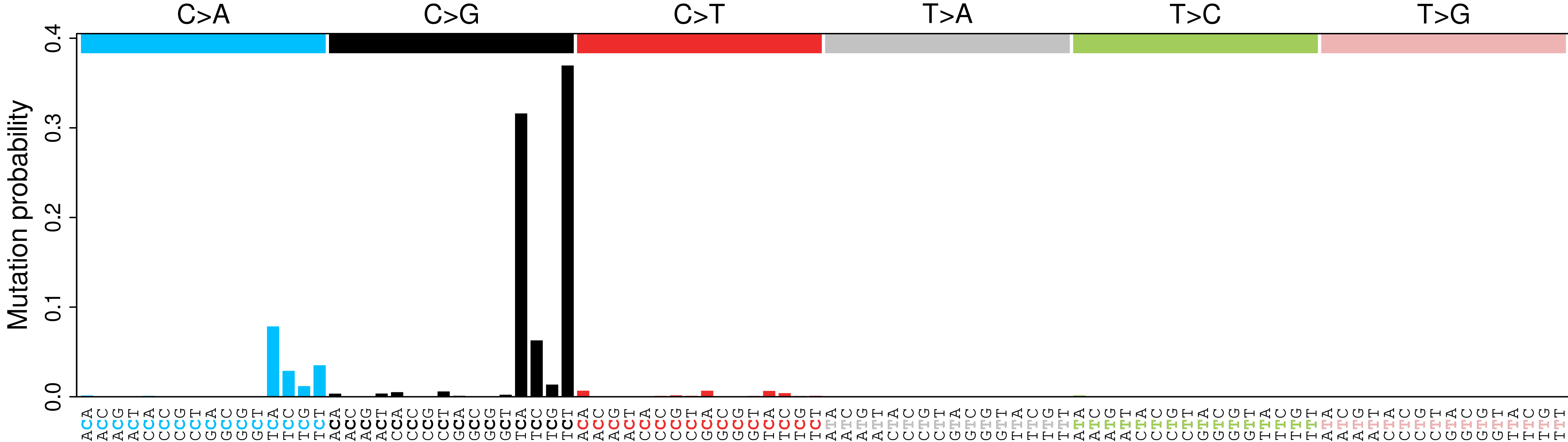
Mutation probability

0.05

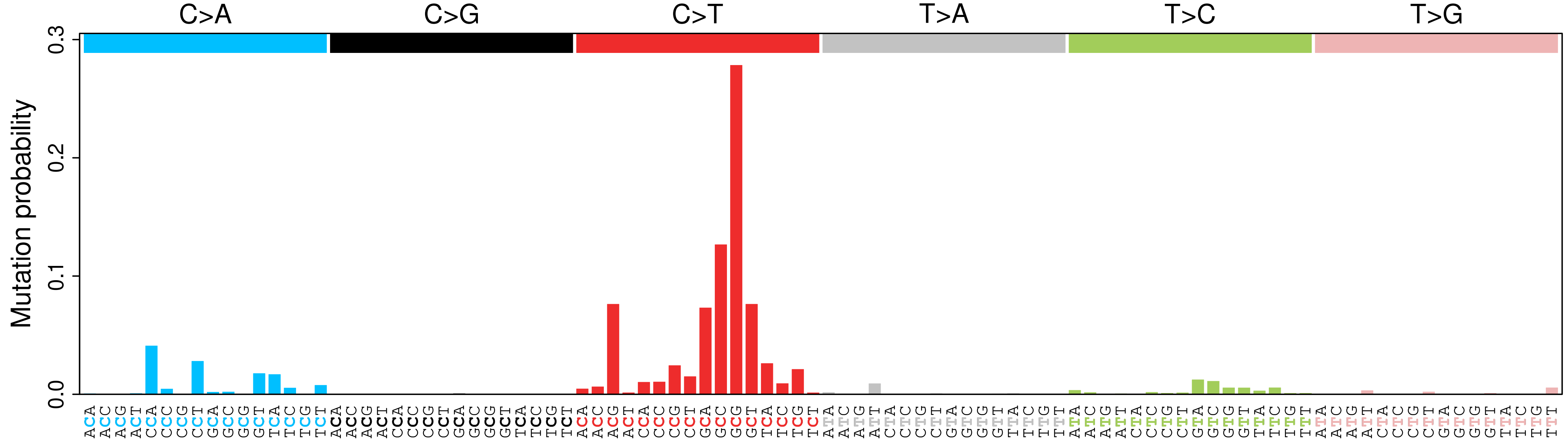
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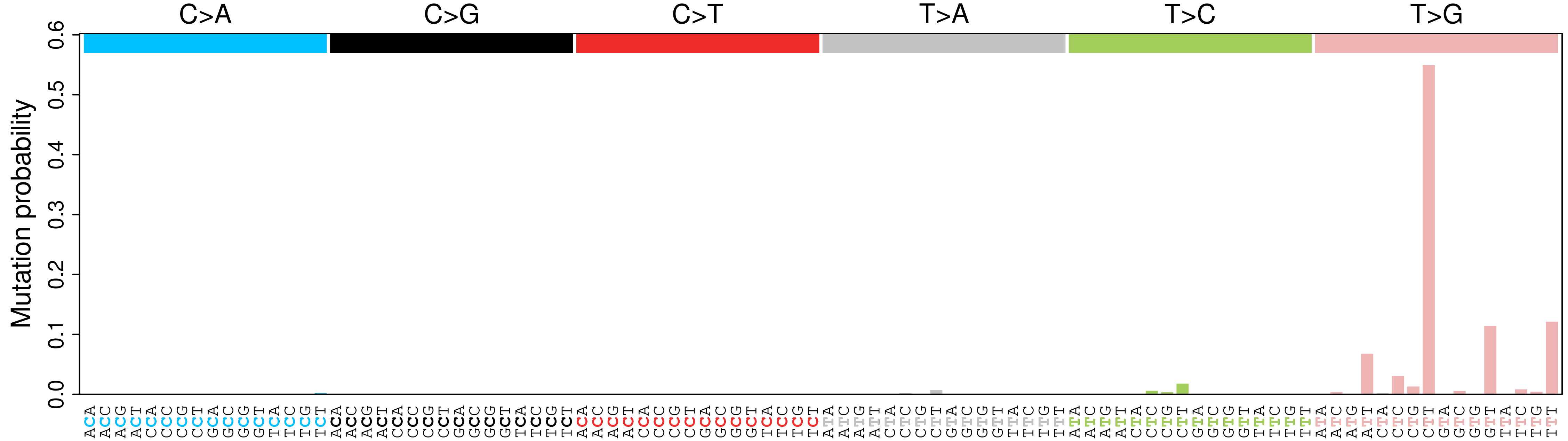
SBS13



SBS15



SBS17b



SBS23

$C > A$

C > G

$$C > T$$

T > A

$$T > C$$

$T > G$

Mutation probability

0.20

0.1

C

0

0.

[illegible]

SBS25

C>A

C>G

C>T

T>A

T>C

T>G

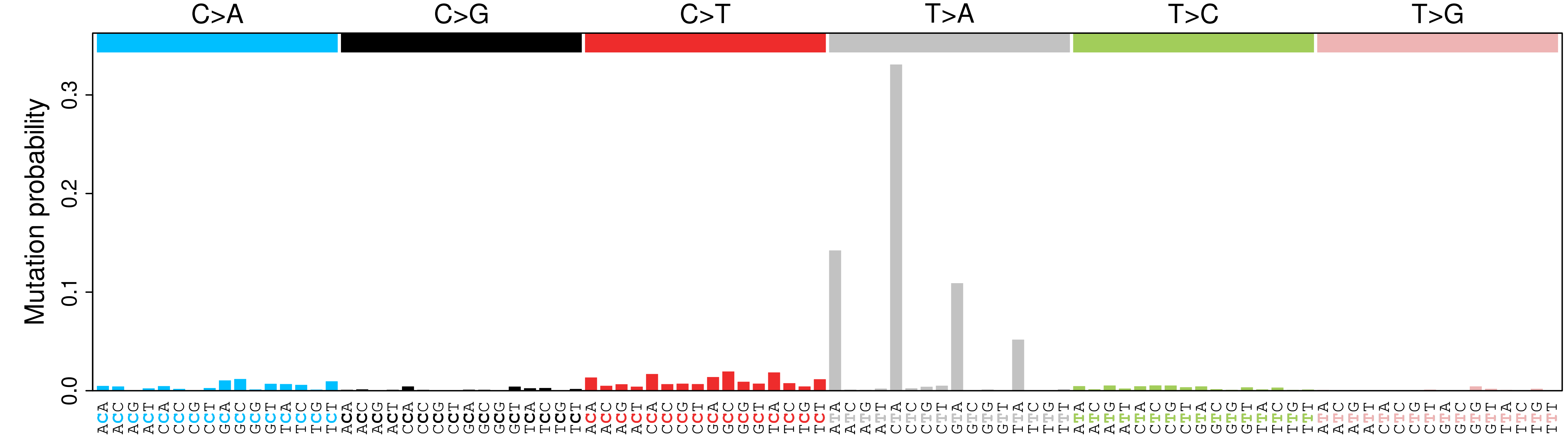
Mutation probability

0.05

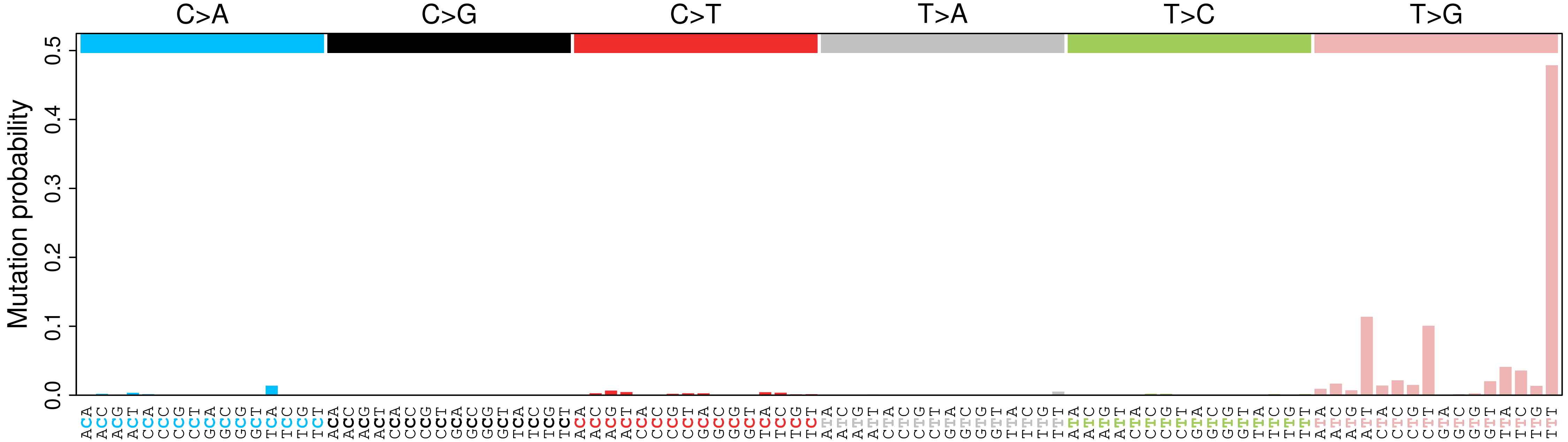
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SBS27



SBS28



SBS31

$C > A$

C > G

$$C > T$$

T > A

$$T > C$$

$T > G$

Mutation probability

0.00 0.05 0.10 0.15

0.00

[illegible]

SBS35

C>A

C>G

C>T

T>A

T>C

T>G

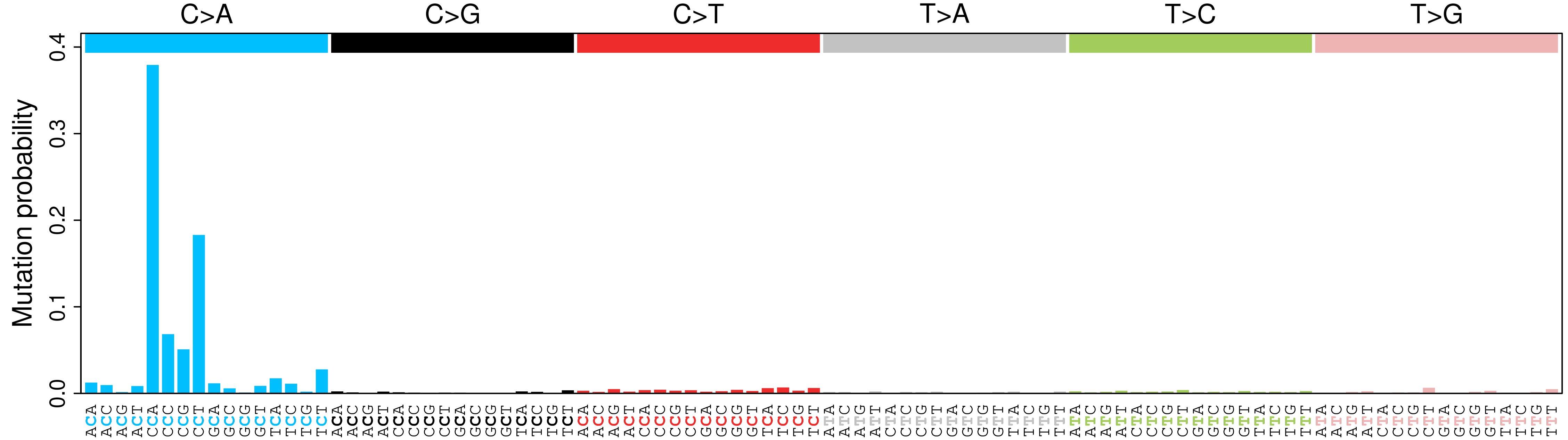
Mutation probability

0.05

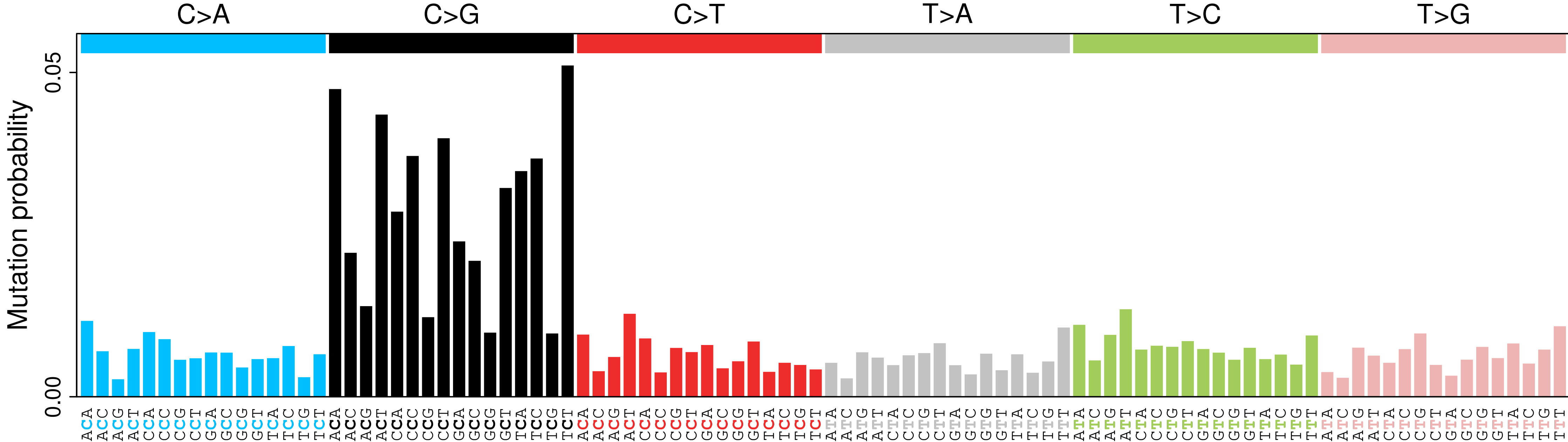
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SBS38



SBS39



SBS40a



SBS40b

C>A

C>G

C>T

T>A

T>C

T>G

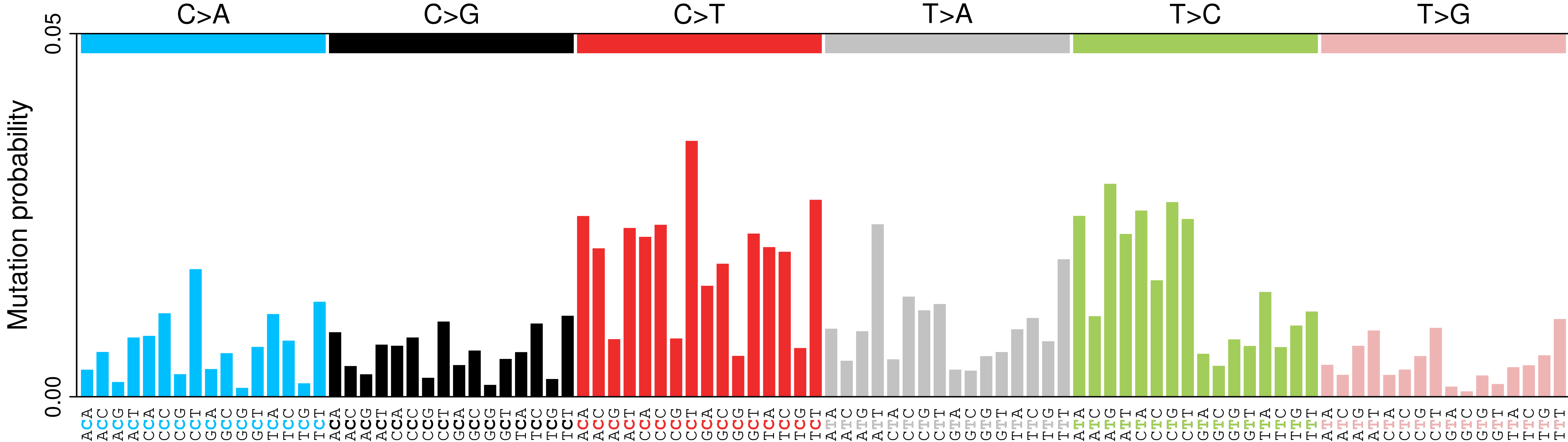
Mutation probability

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

SBS40c



SBS41

$C > A$

C > G

$$C > T$$

T > A

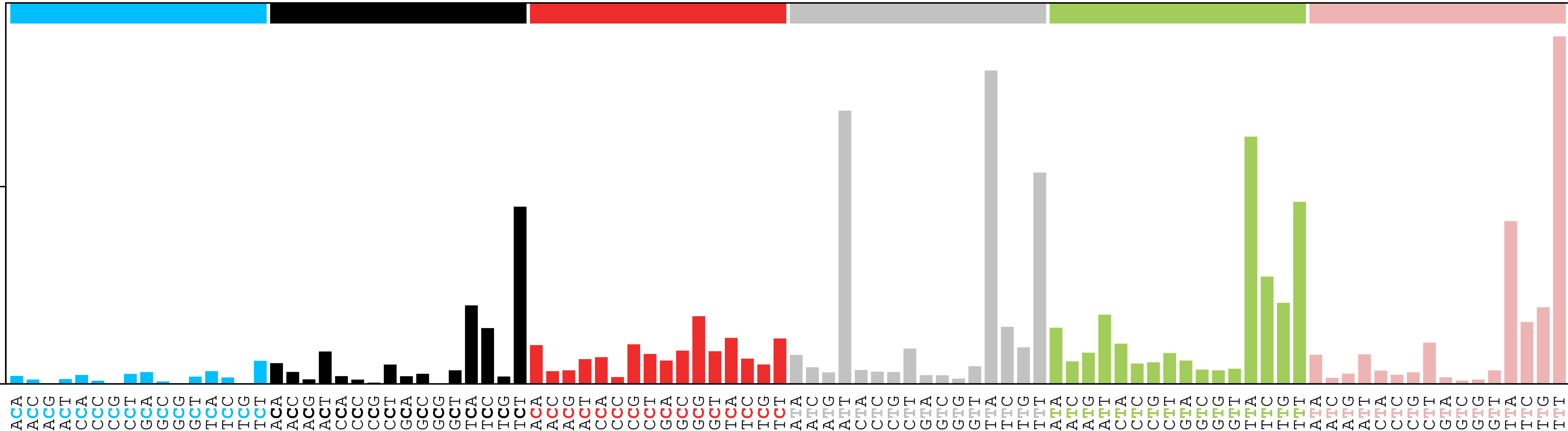
$T > C$

T>G

Mutation probability

0.05

0.00



SBS45

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.2
0.1
0.0

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 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

SBS46

$$C > A$$

C > G

$$C > T$$

T > A

$T > C$

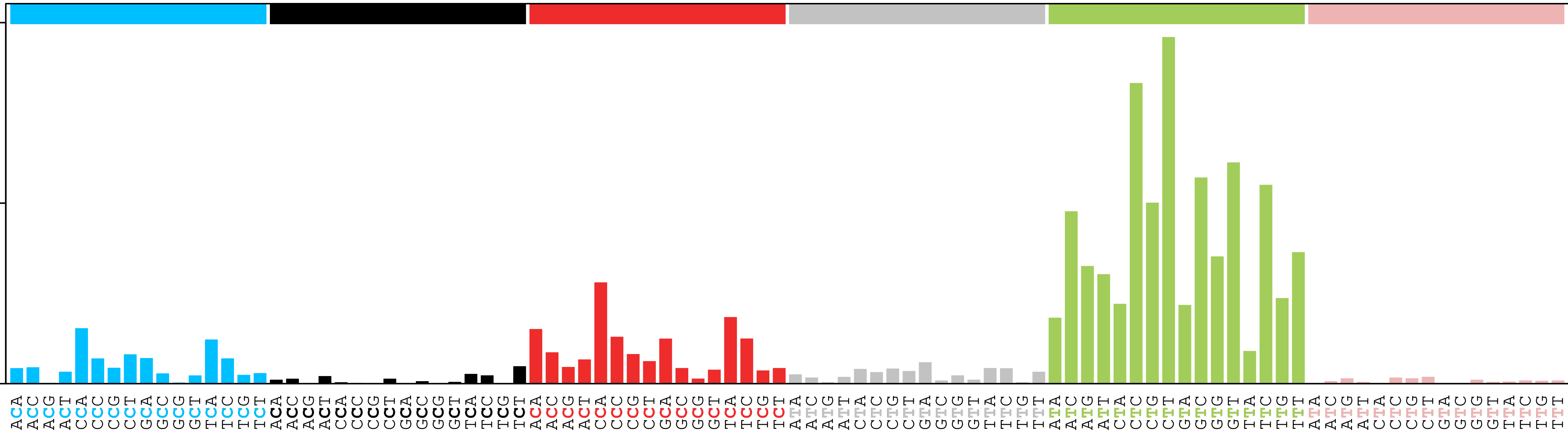
T > G

Mutation probability

0.10

0.05

O



SBS48

C>A

C>G

C>T

T>A

T>C

T>G

Mutation probability

0.0
0.2
0.4
0.6

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

SBS49

$C > A$

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]

SBS50

$C > A$

C > G

$$C > T$$

T > A

$T > C$

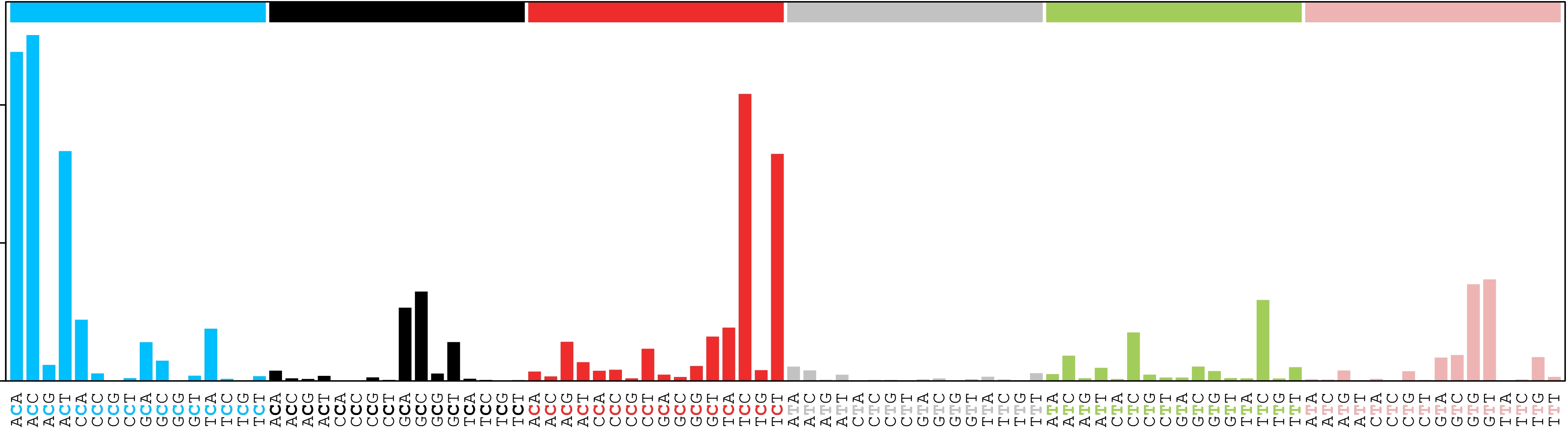
T>G

Mutation probability

0.10

50

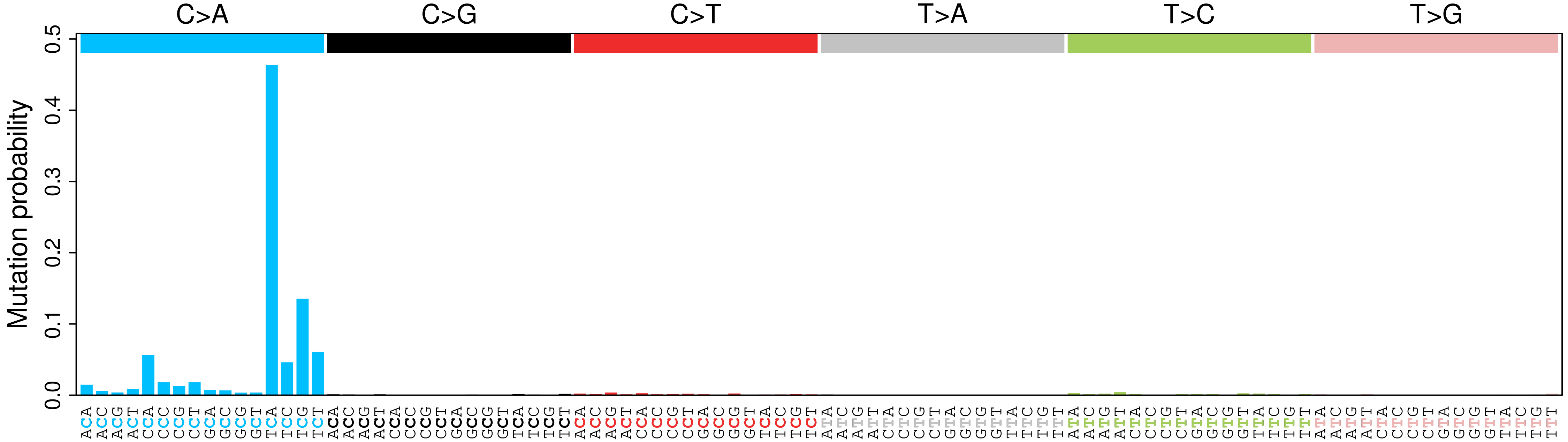
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SBS51



SBS52



SBS56

C>A

C>G

C>T

T>A

T>C

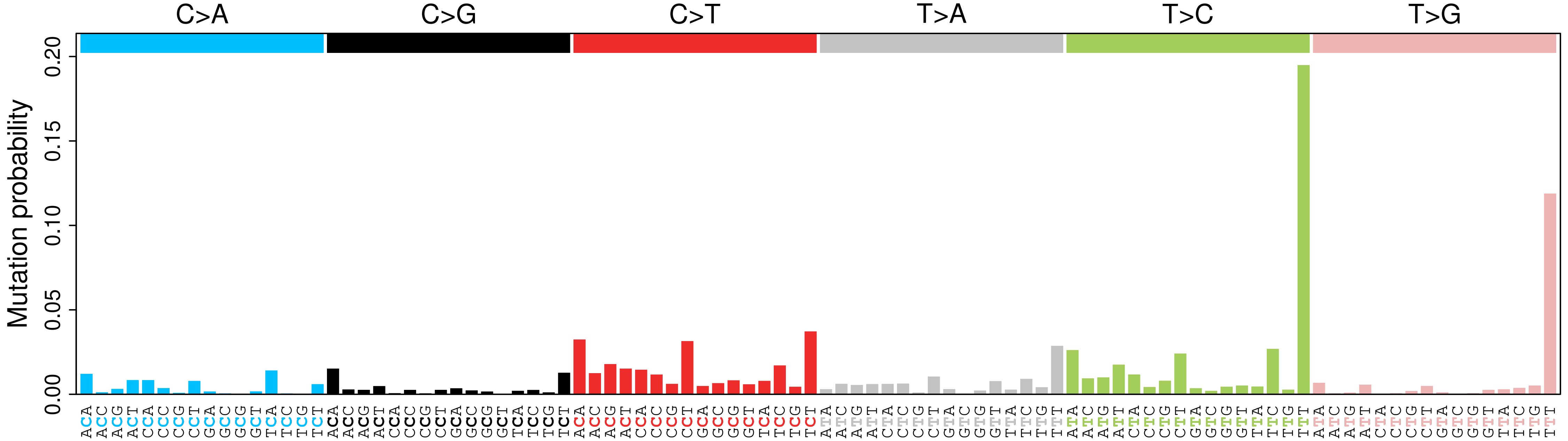
T>G

Mutation probability

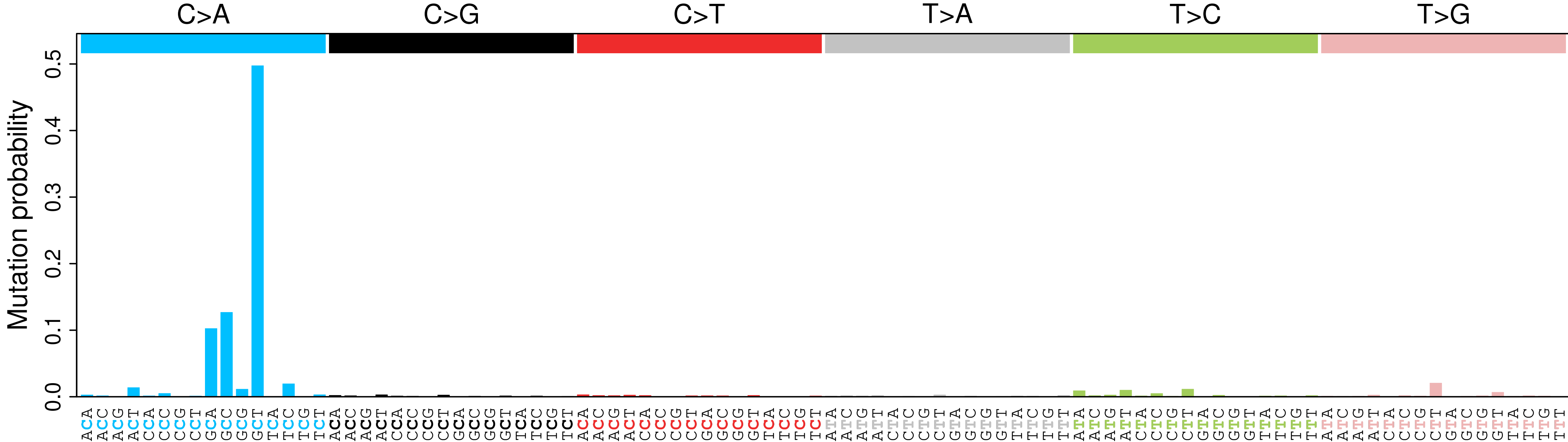
0.4
0.3
0.2
0.1
0.0

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SBS57



SBS59



SBS60

$C > A$

C > G

$$C > T$$

T > A

$T > C$

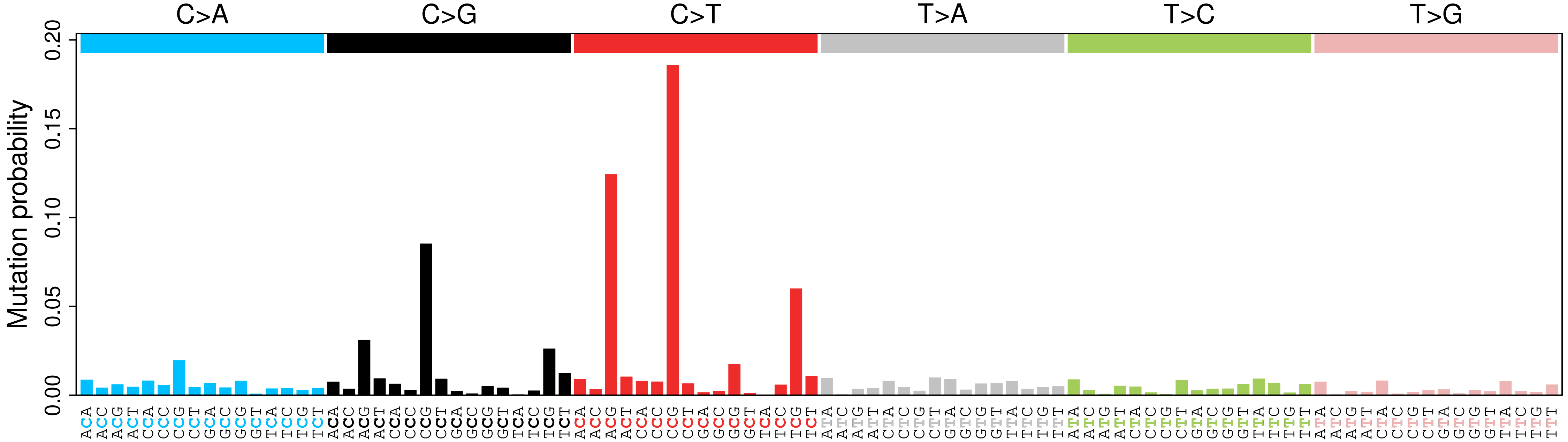
T>G

Mutation probability

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7

[illegible]

SBS87



SBS89

$C > A$

C > G

$$C > T$$

T > A

$T > C$

T>G

0.05

0.00

[illegible]

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

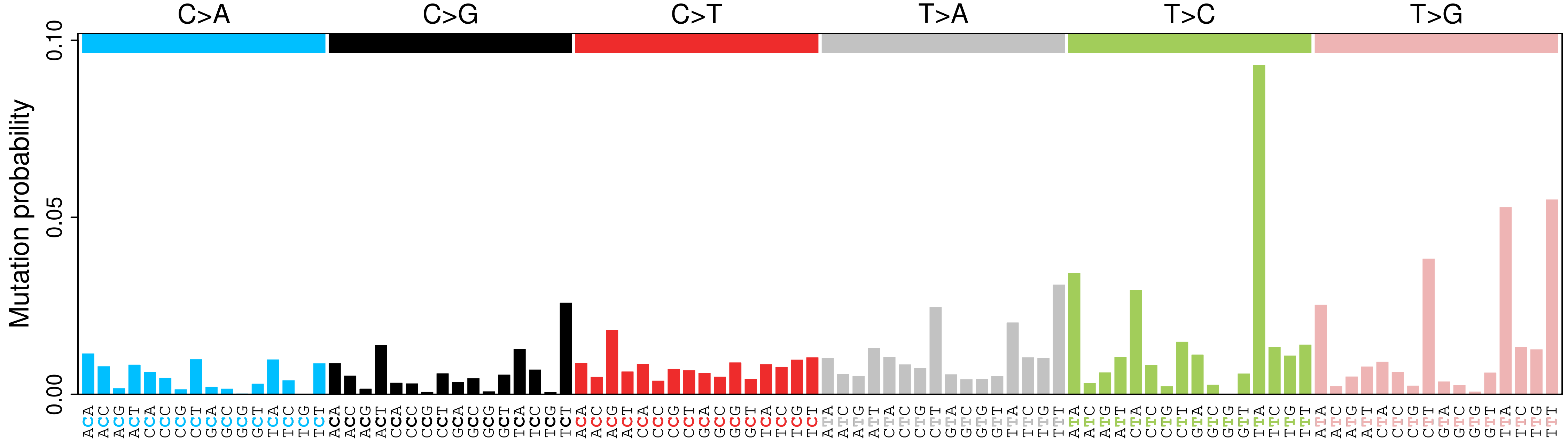
Mutation probability

0.05

0.00

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SBS93



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

$C > A$

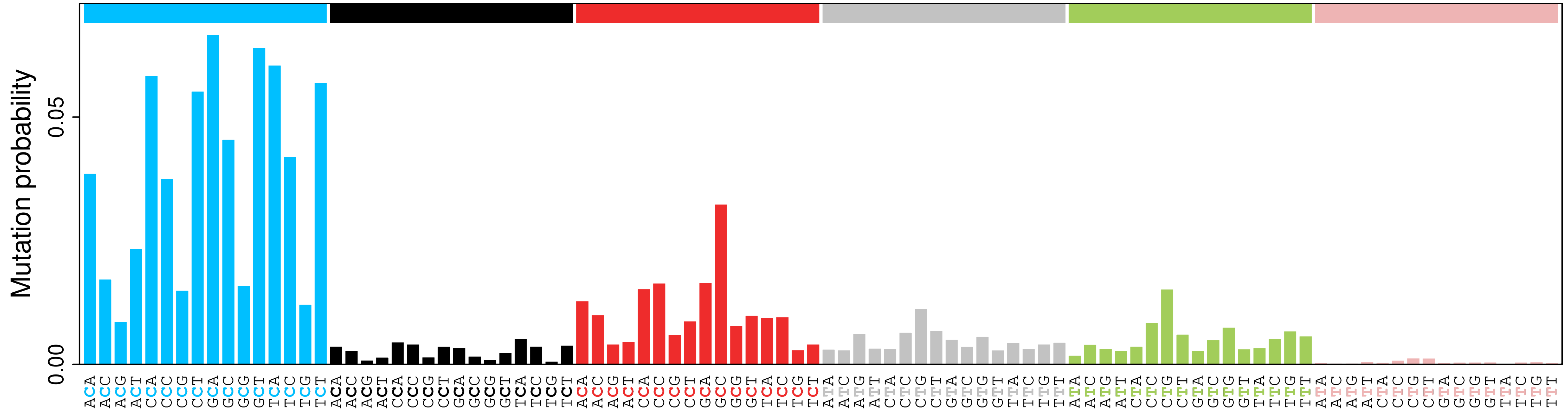
C > G

$$C > T$$

T > A

$T > C$

T>G



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

