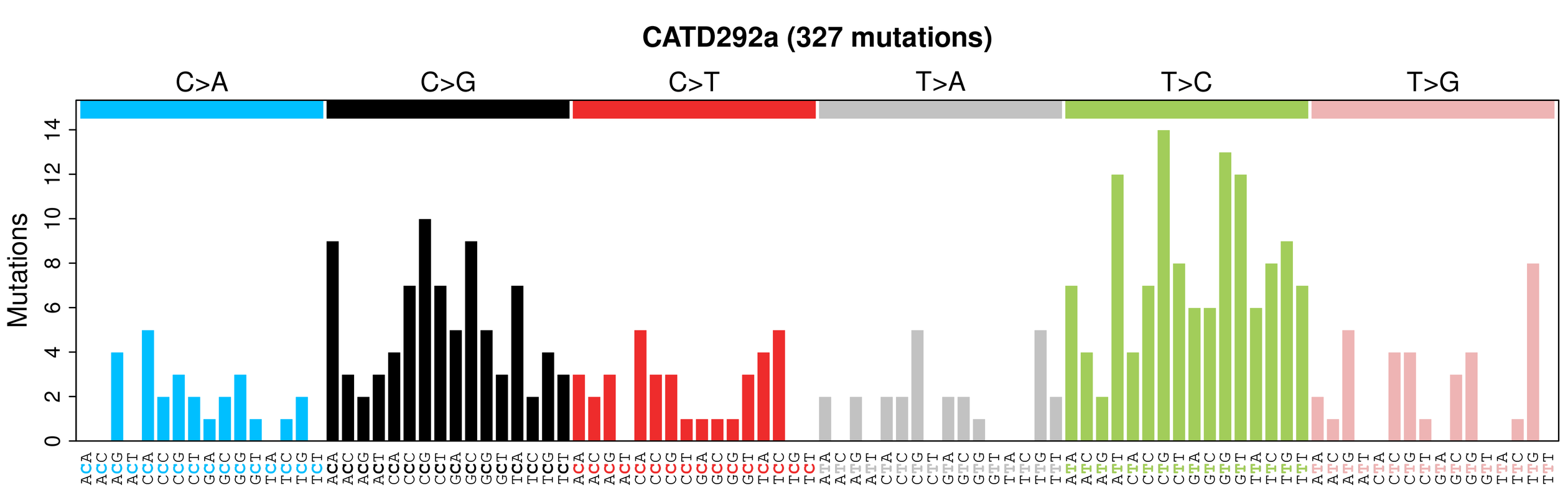
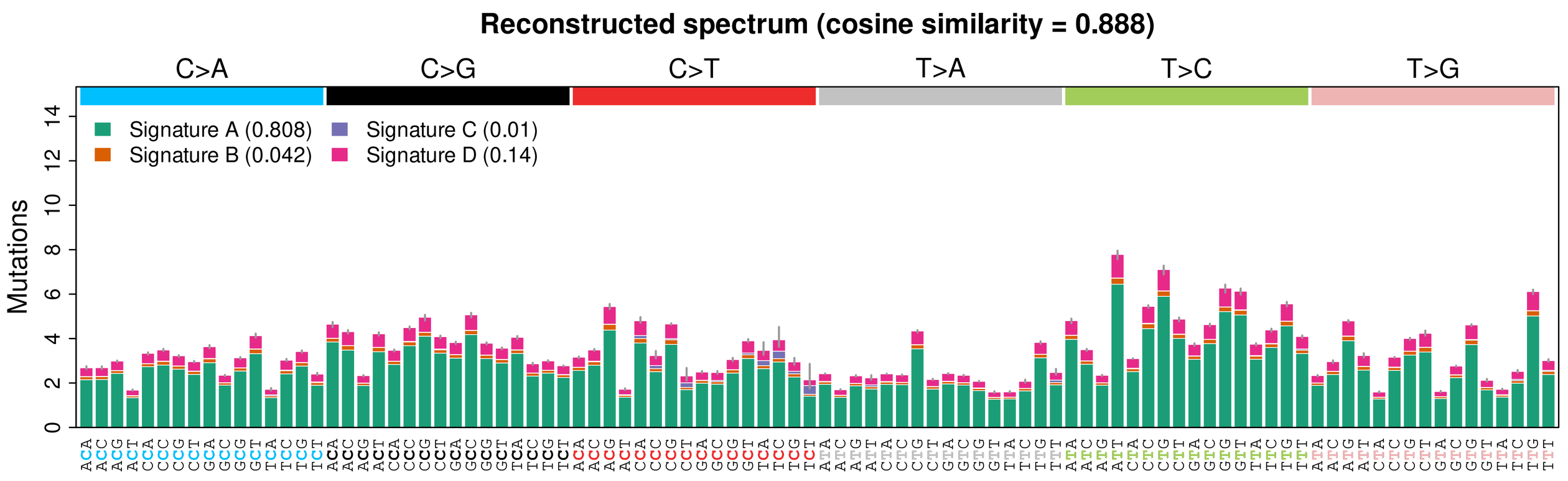
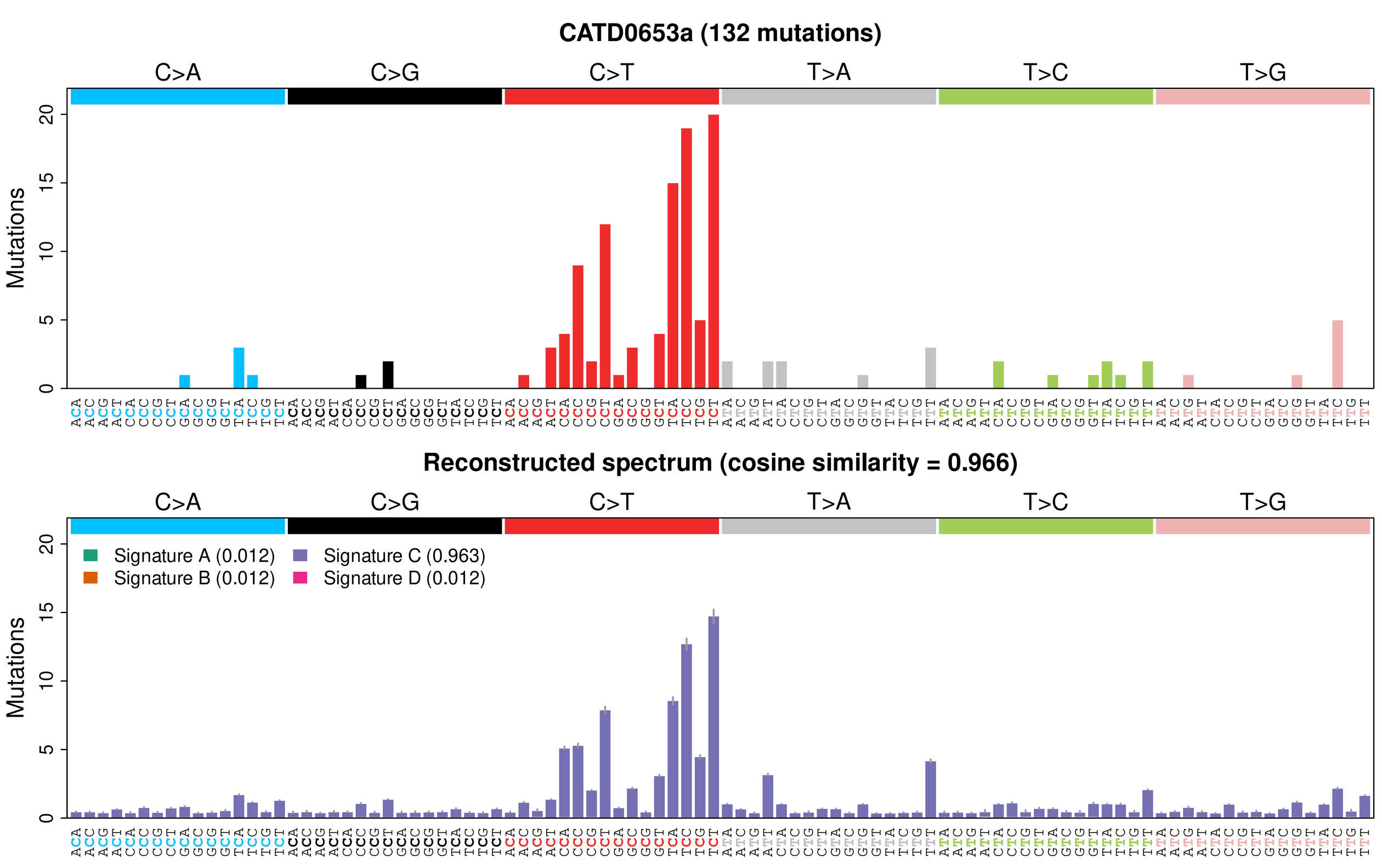
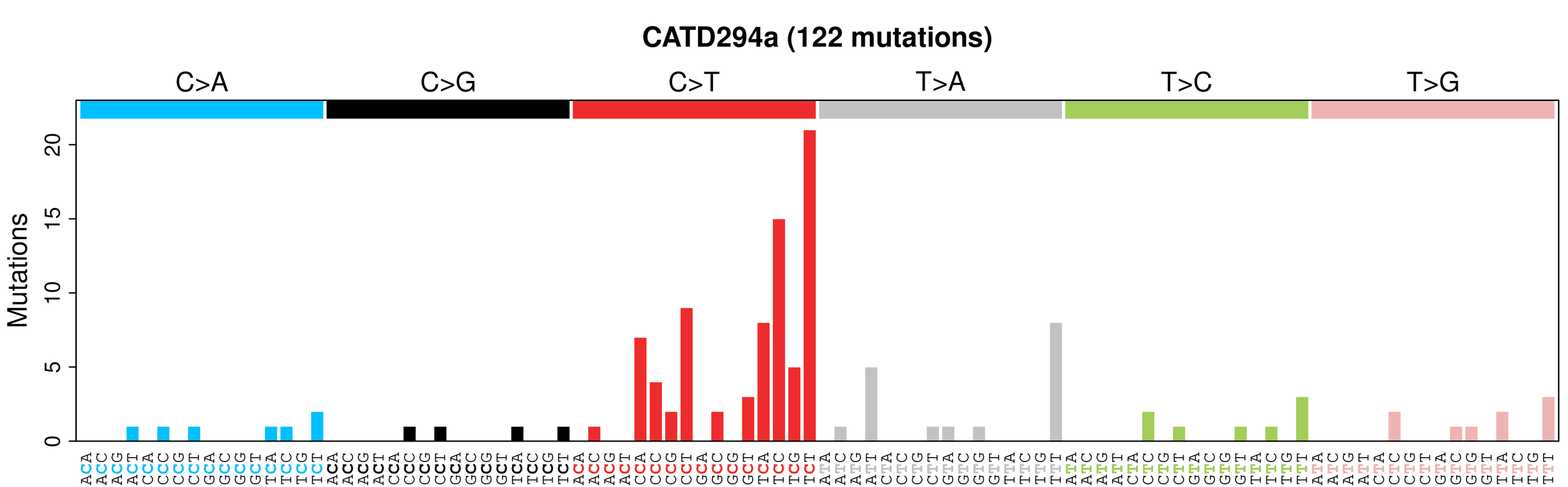
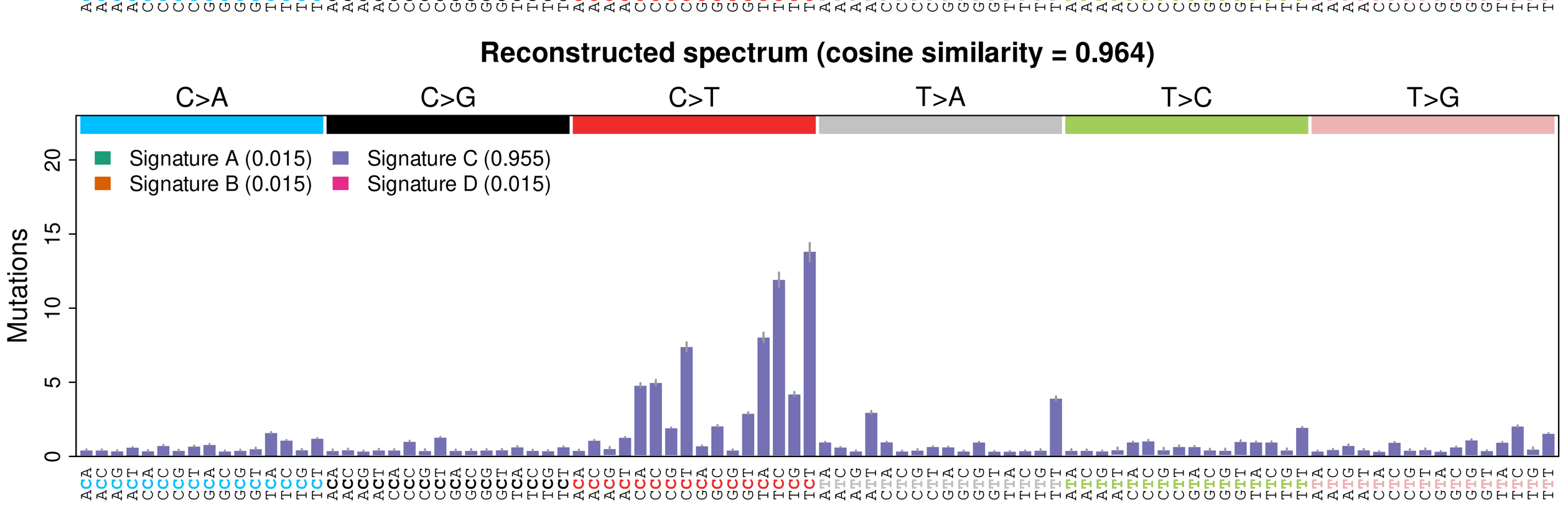
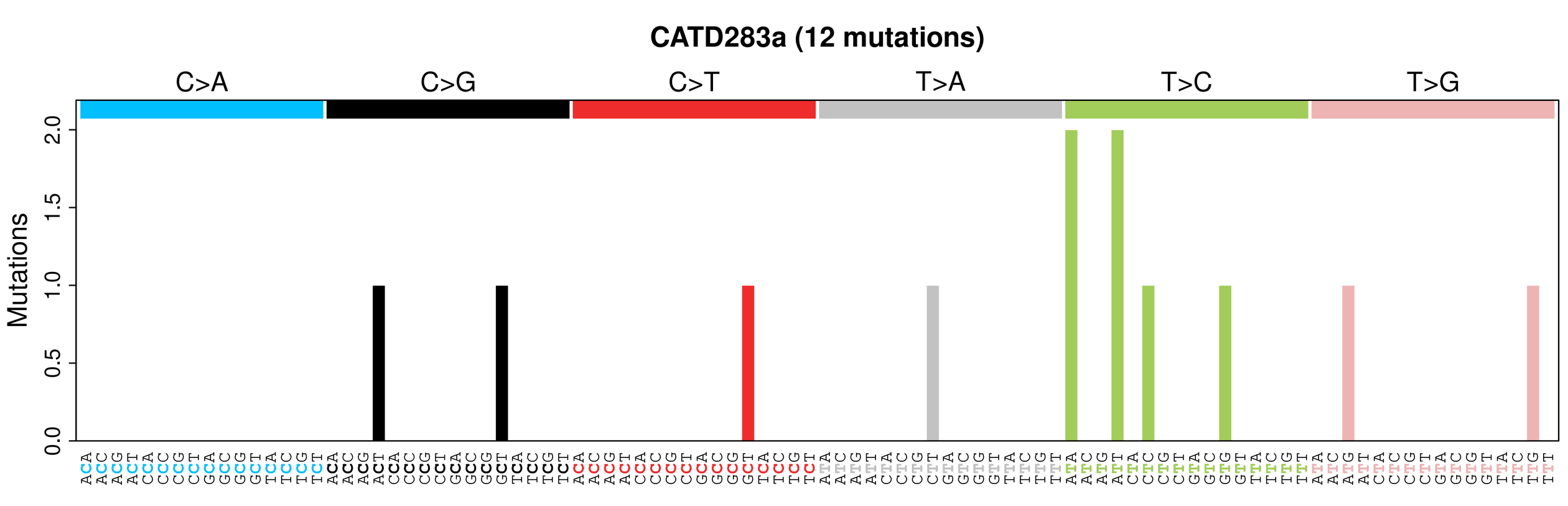

CATD292a (327 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0
2
4
6
8
10
12
14

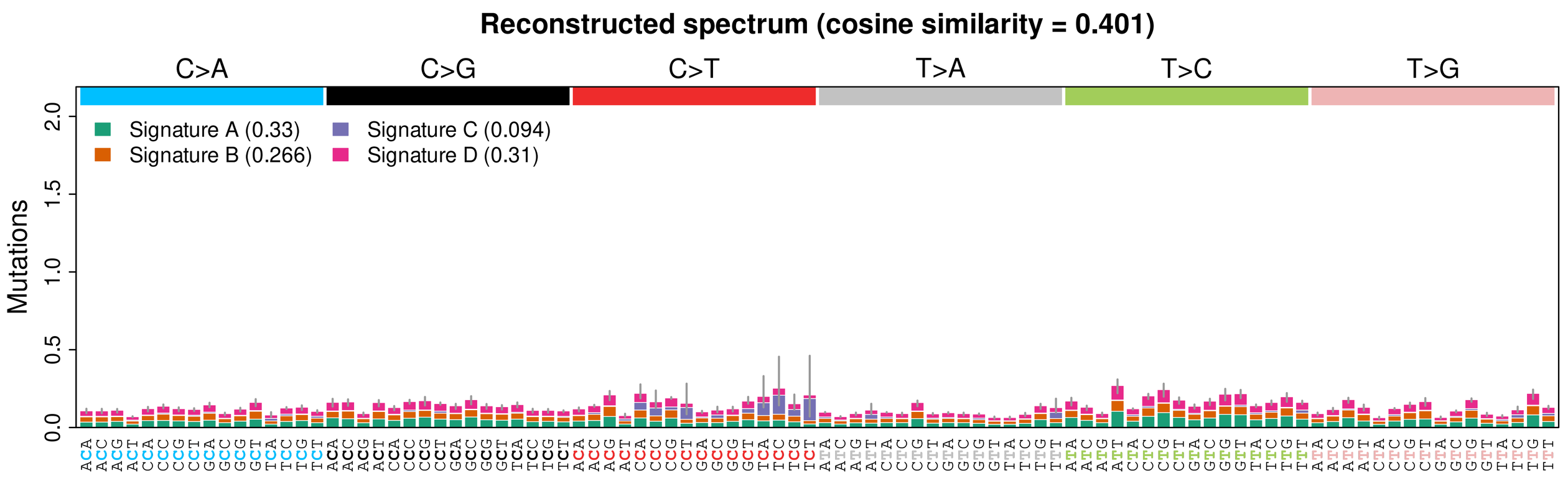

Reconstructed spectrum (cosine similarity = 0.888)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.808)
Signature B (0.042)
Signature C (0.01)
Signature D (0.14)
Mutations
0
2
4
6
8
10
12
14

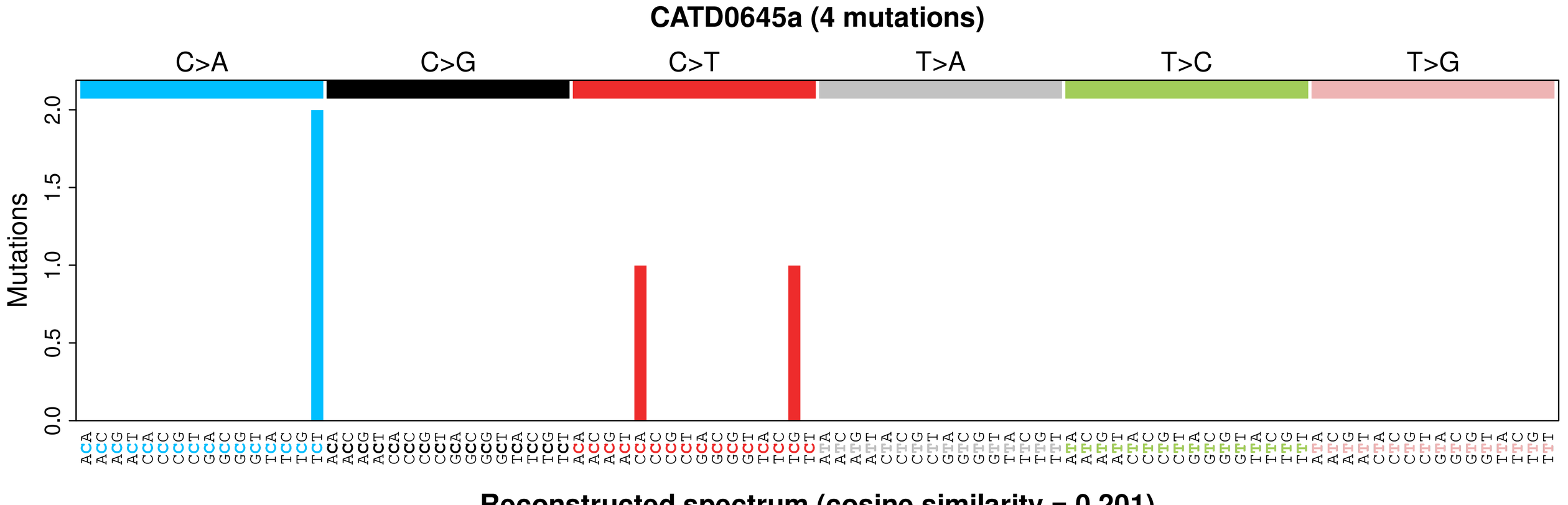

CATD0653a (132 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0
5
10
15
20
Reconstructed spectrum (cosine similarity = 0.966)
Signature A (0.012)
Signature B (0.012)
Signature C (0.963)
Signature D (0.012)

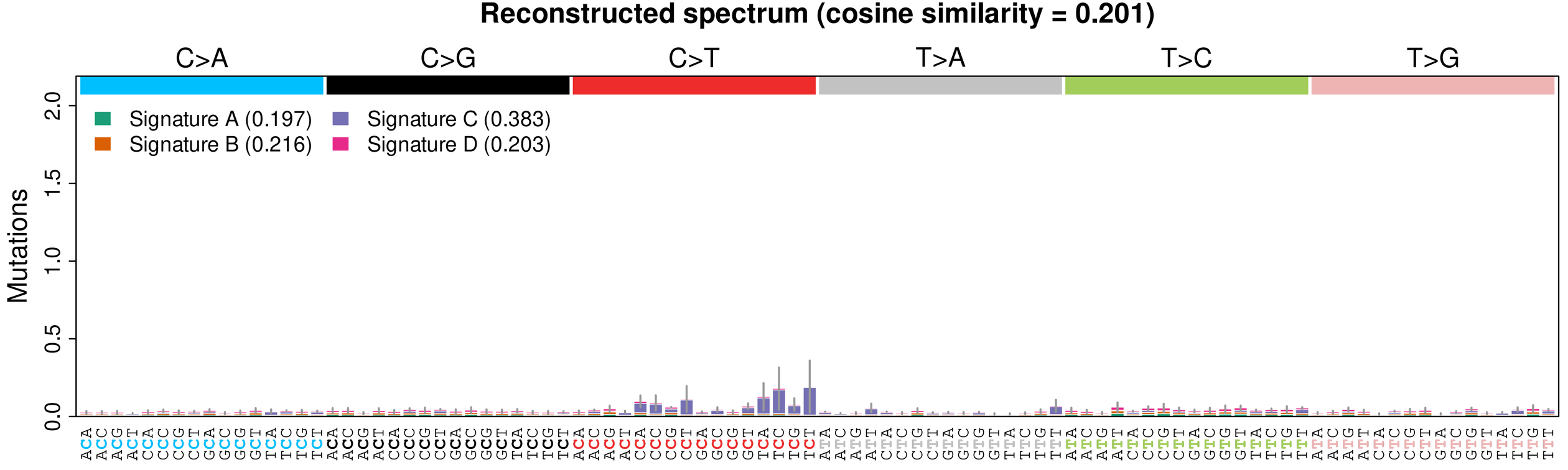

CATD294a (122 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0
5
10
15
20


Reconstructed spectrum (cosine similarity = 0.964)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.015)
Signature B (0.015)
Signature C (0.955)
Signature D (0.015)
Mutations
0
5
10
15
20

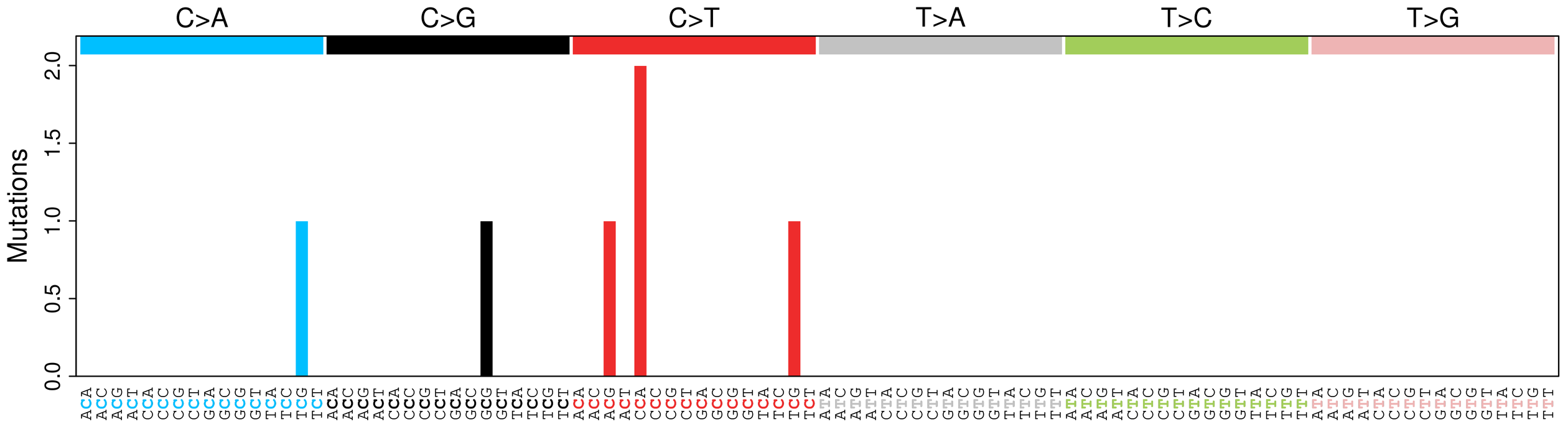

CATD283a (12 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.401)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.33)
Signature B (0.266)
Signature C (0.094)
Signature D (0.31)
Mutations
0.0
0.5
1.0
1.5
2.0

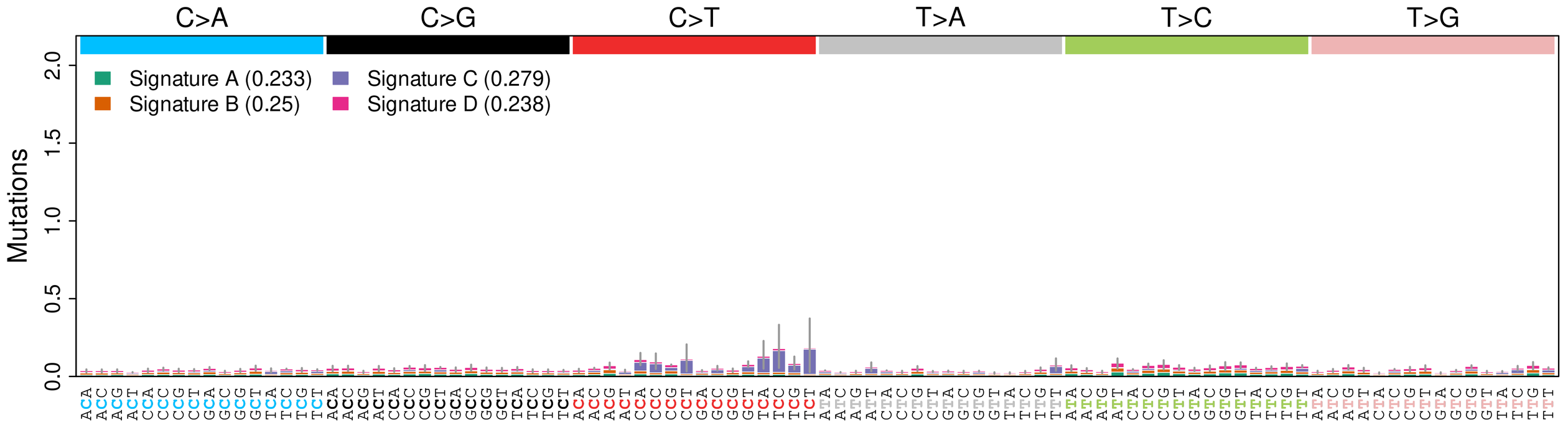

CATD0645a (4 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.201)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.197)
Signature B (0.216)
Signature C (0.383)
Signature D (0.203)
Mutations
0.0
0.5
1.0
1.5
2.0

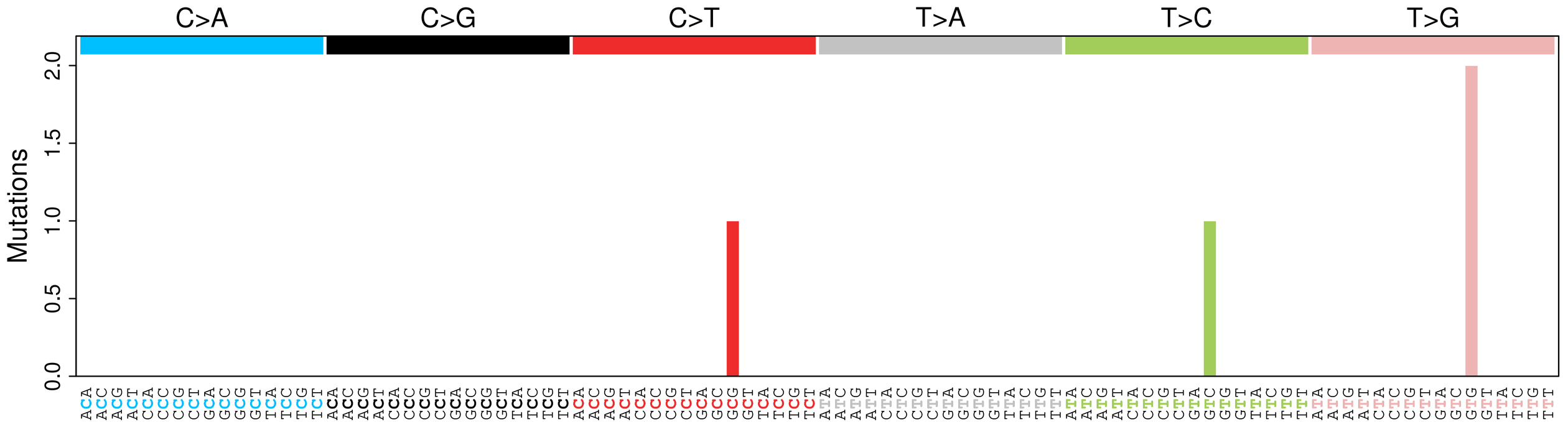
CATD0670a (6 mutations)



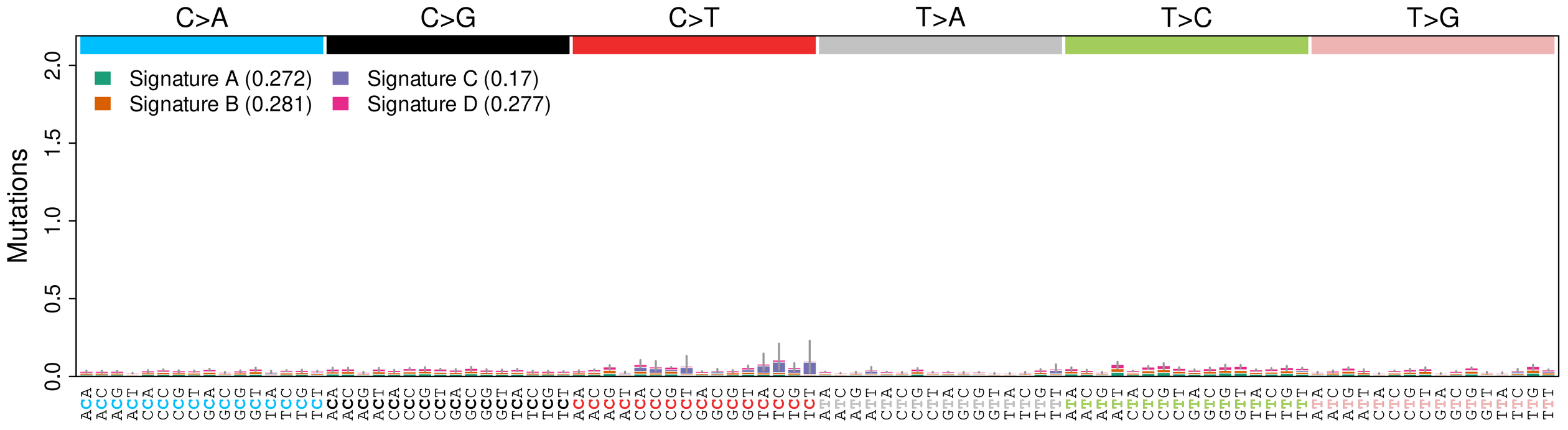
Reconstructed spectrum (cosine similarity = 0.281)



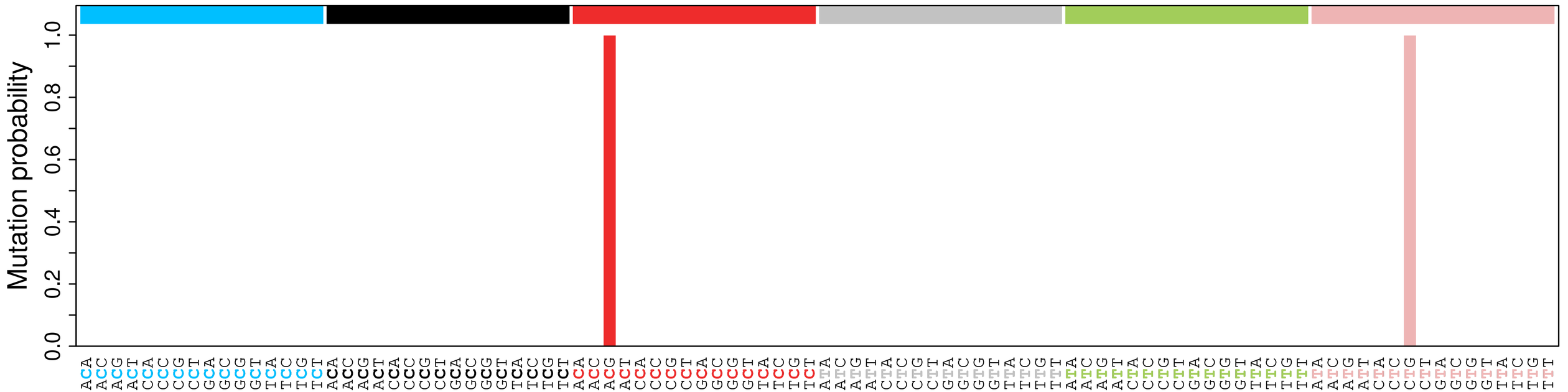
CATD0650a (4 mutations)



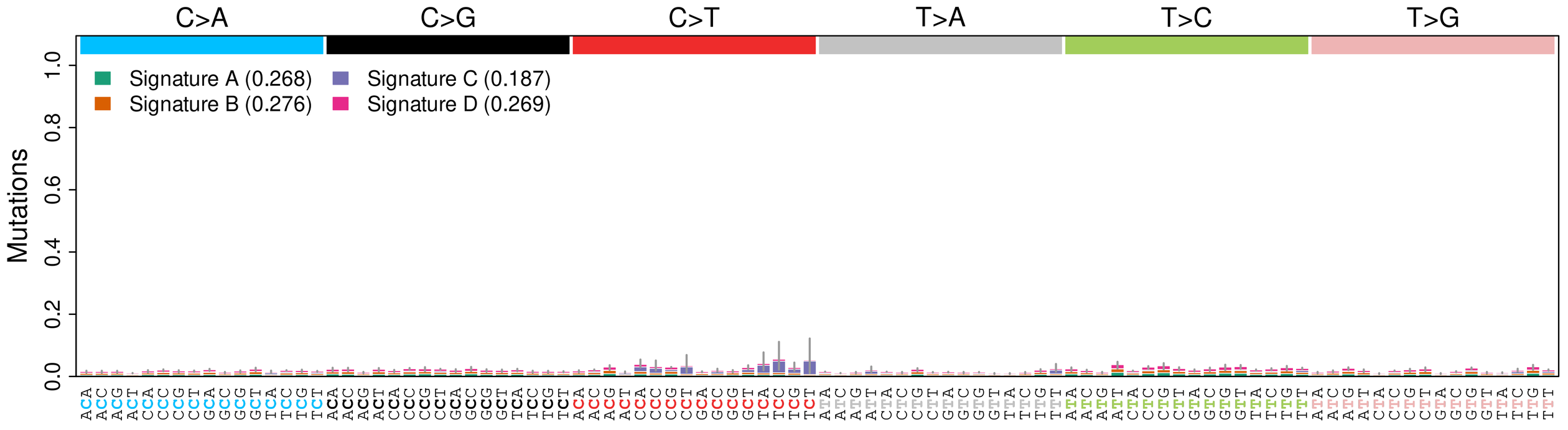
Reconstructed spectrum (cosine similarity = 0.178)

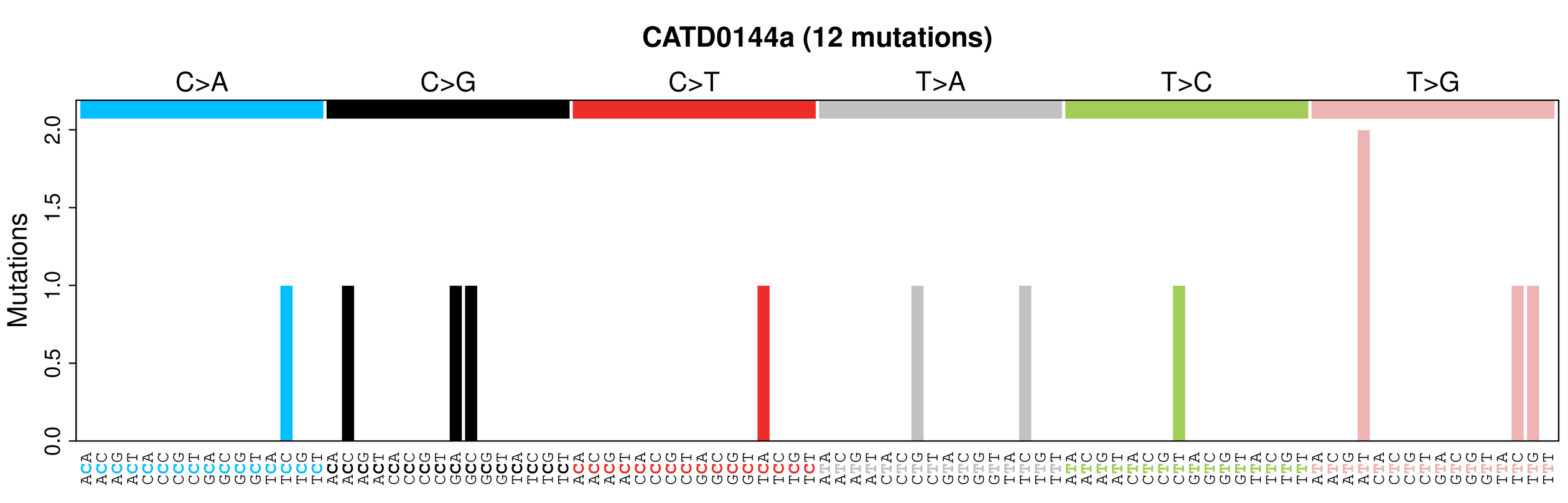


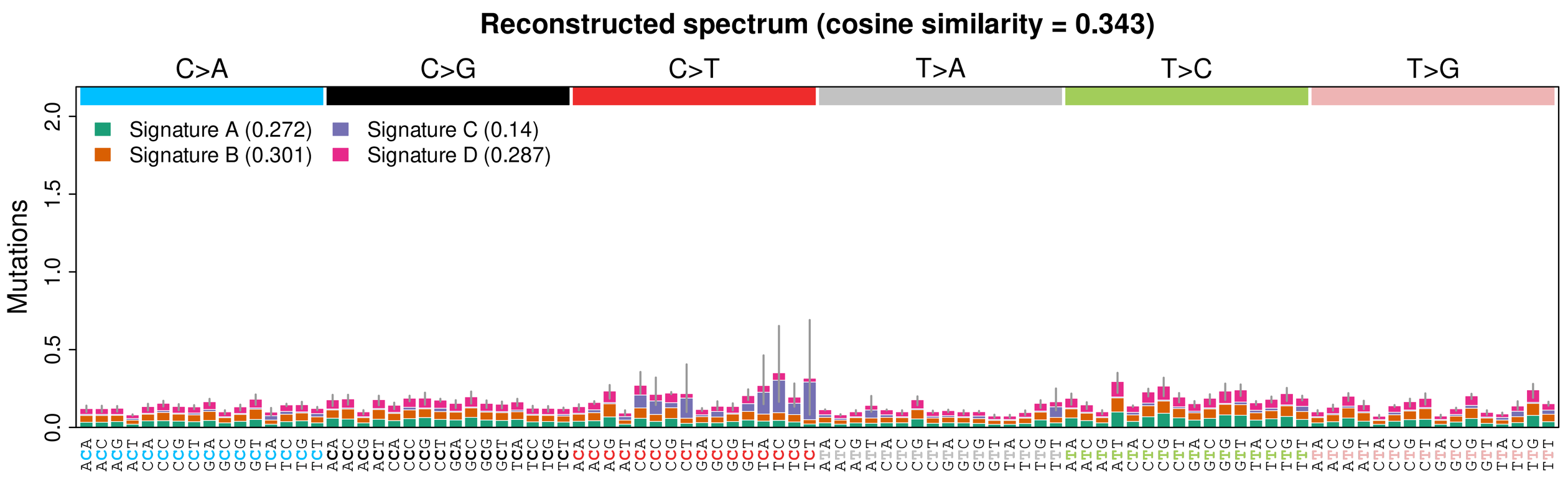
CATD289a

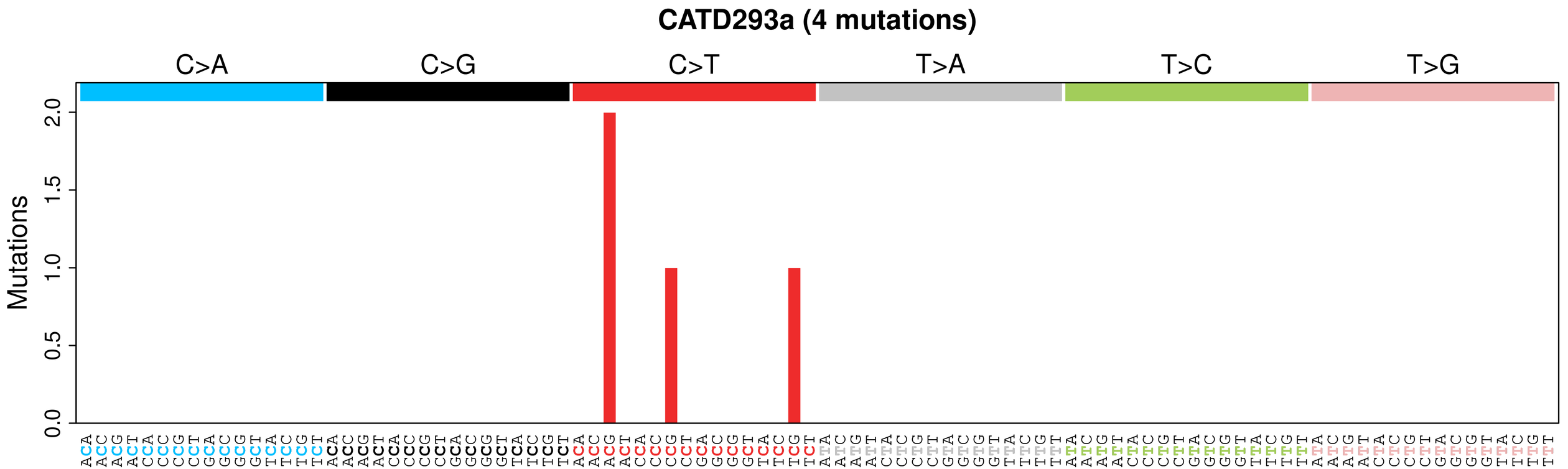


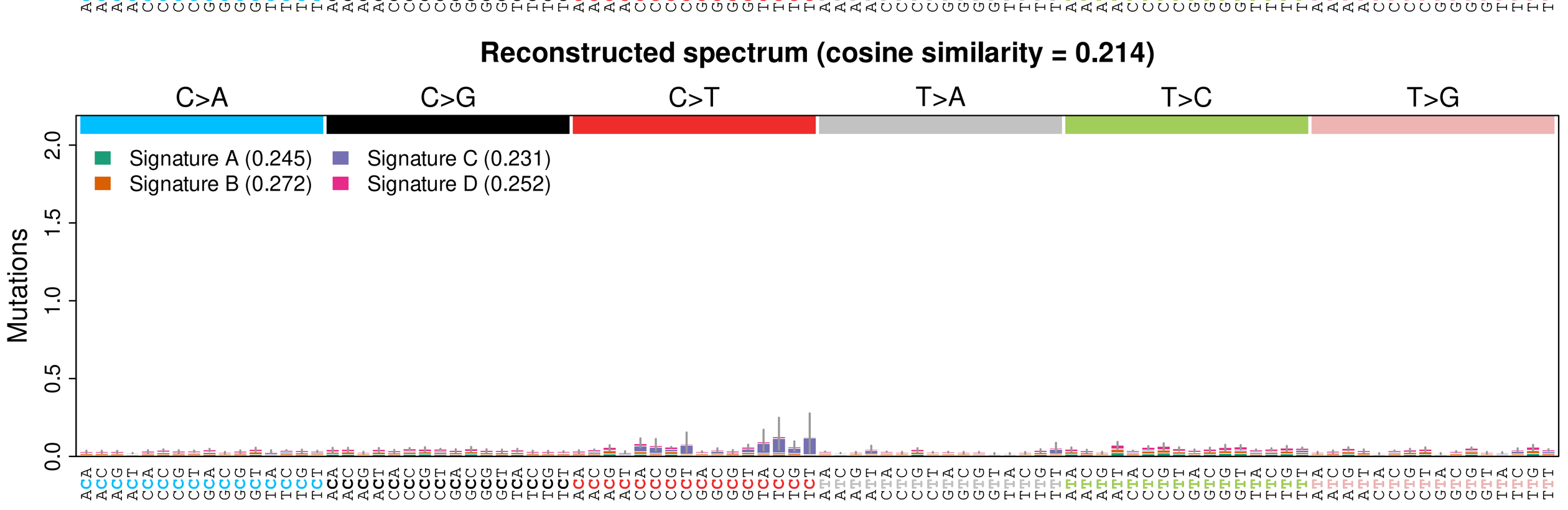
Reconstructed spectrum (cosine similarity = 0.164)



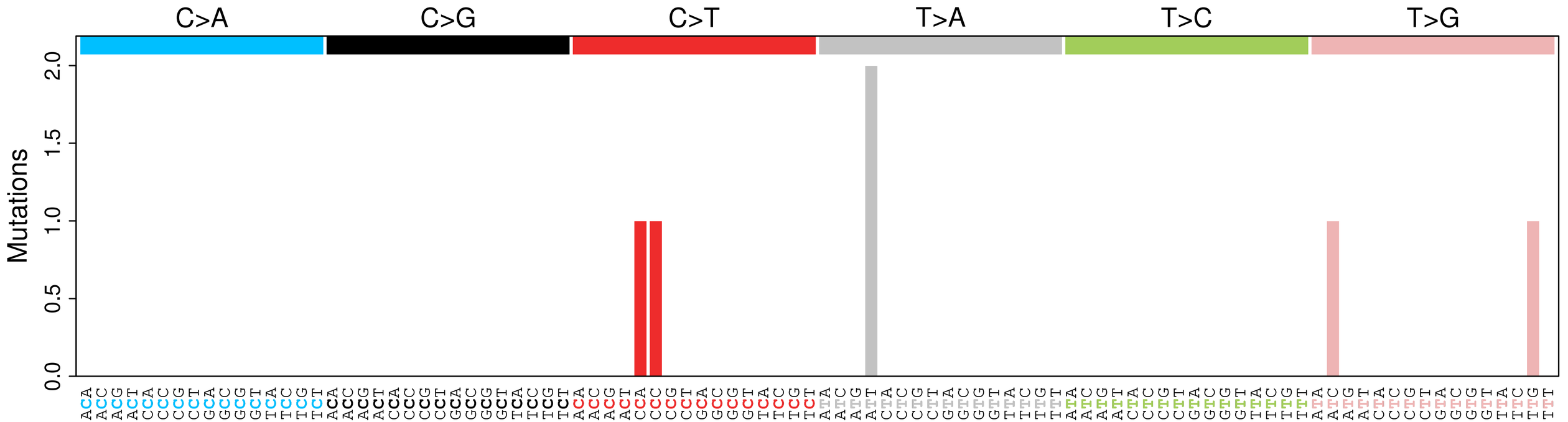

CATD0144a (12 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.343)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.272)
Signature B (0.301)
Signature C (0.14)
Signature D (0.287)
Mutations
0.0
0.5
1.0
1.5
2.0

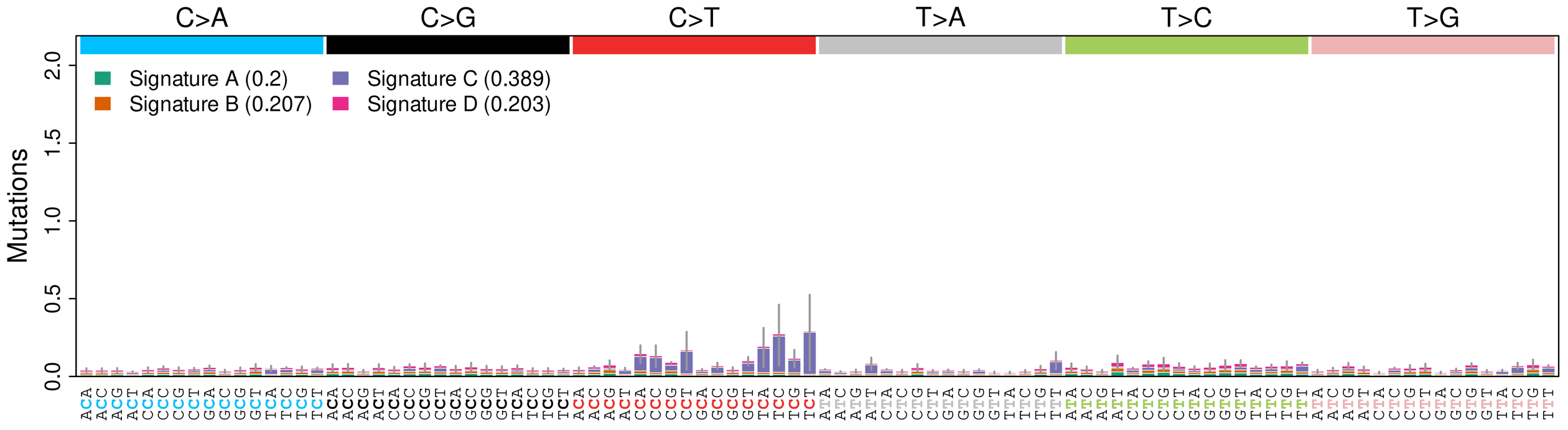

CATD293a (4 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.214)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.245)
Signature B (0.272)
Signature C (0.231)
Signature D (0.252)
Mutations
0.0
0.5
1.0
1.5
2.0

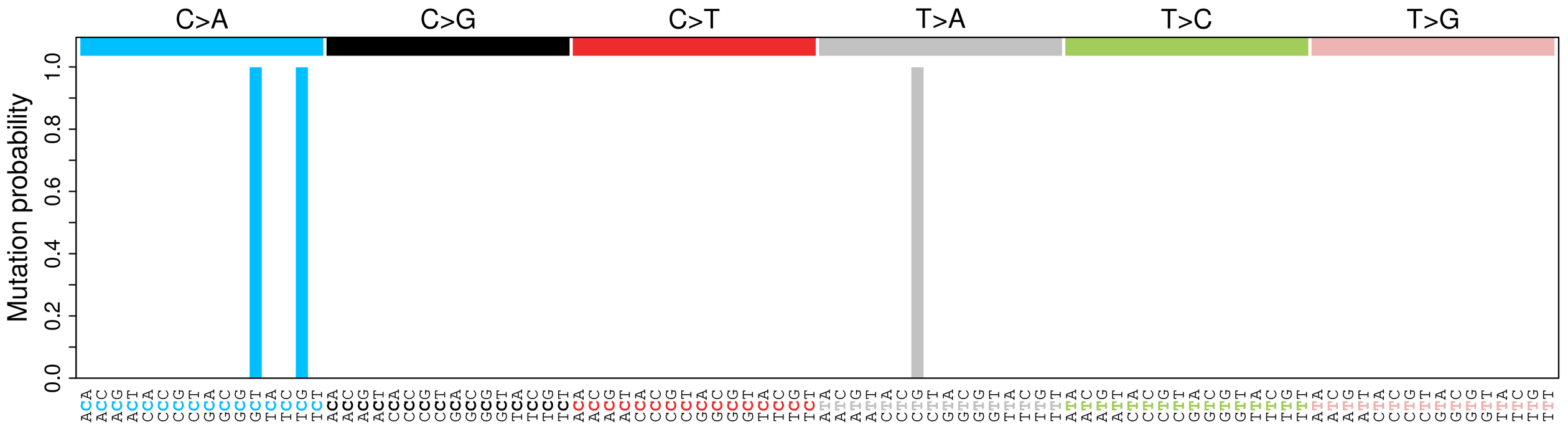
CATD0668a (6 mutations)



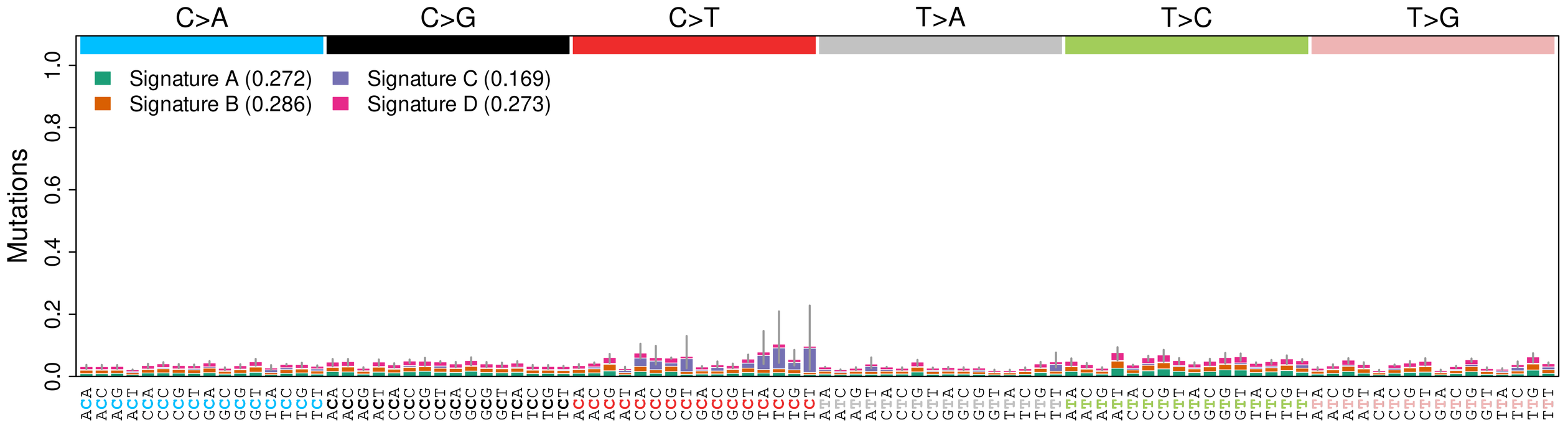
Reconstructed spectrum (cosine similarity = 0.268)



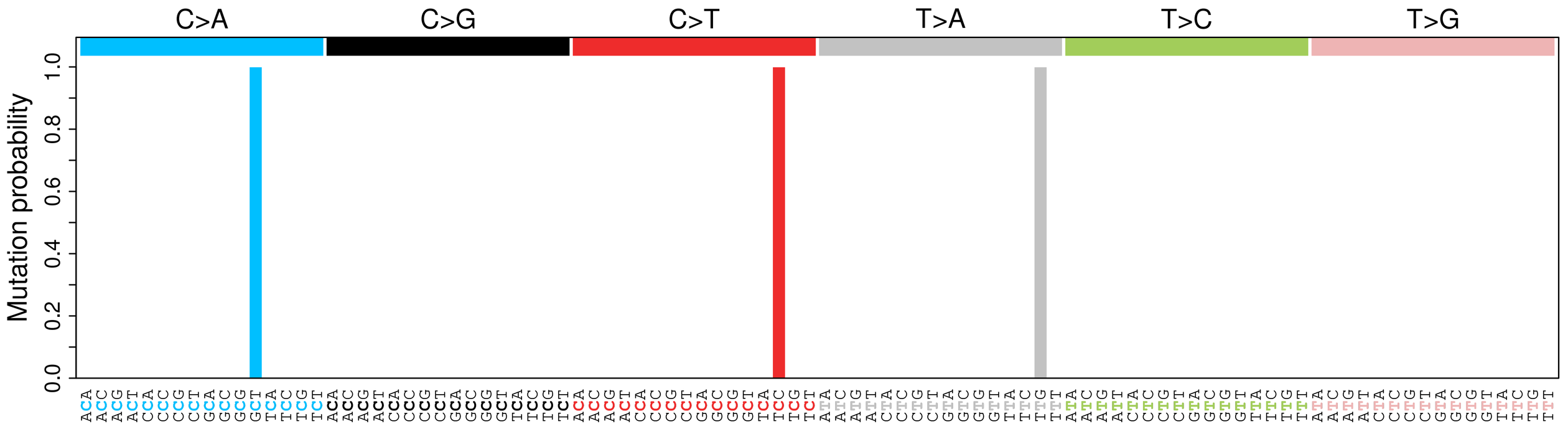
CATD0146a



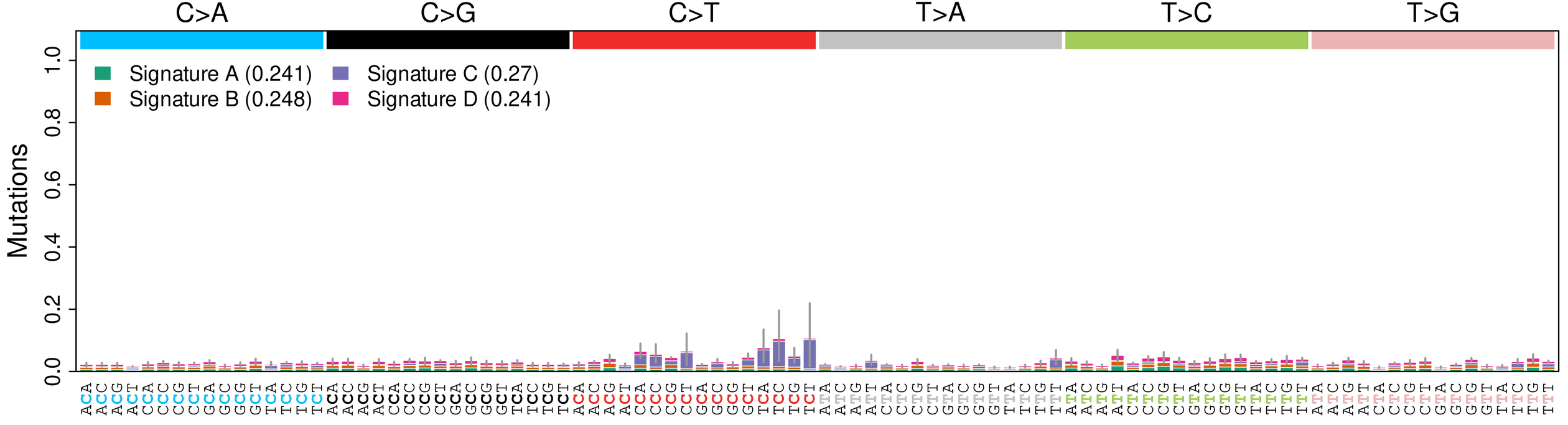
Reconstructed spectrum (cosine similarity = 0.173)



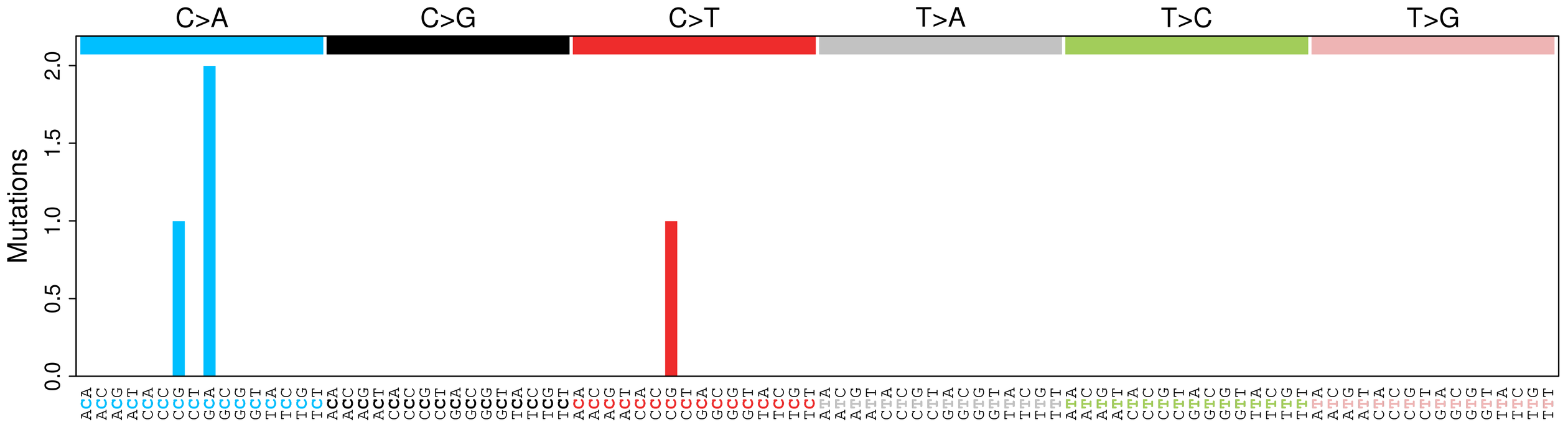
CATD0641a



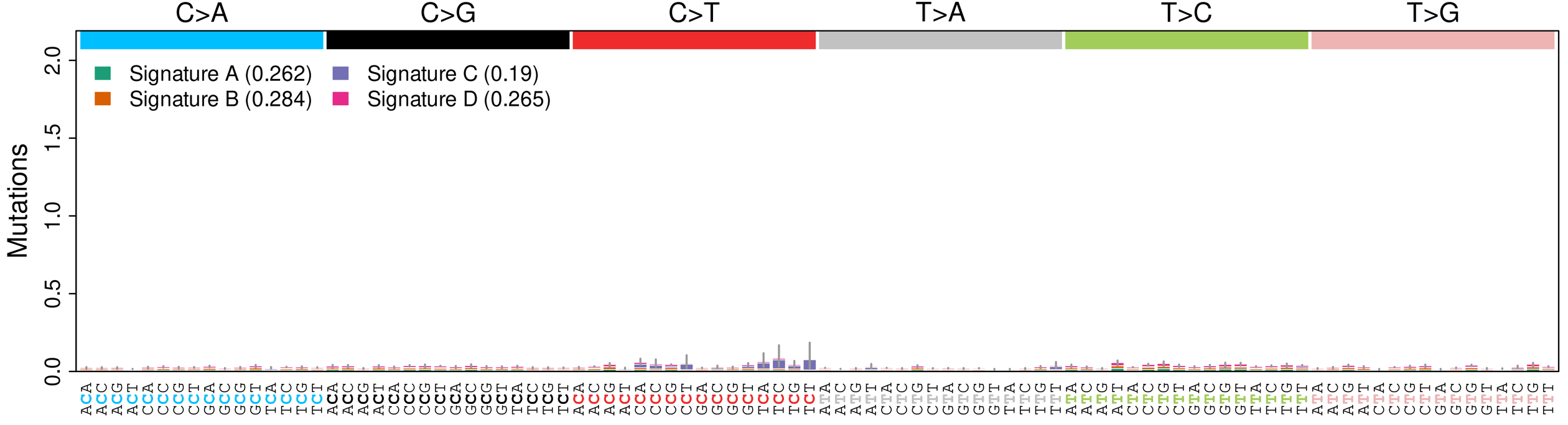
Reconstructed spectrum (cosine similarity = 0.278)



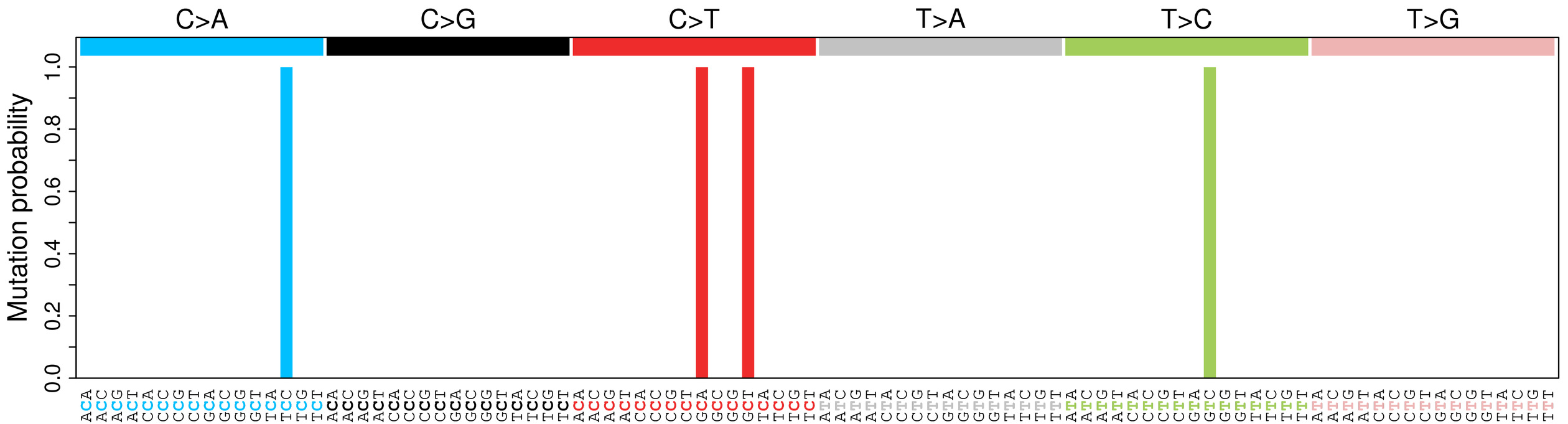
CATD0143a (4 mutations)



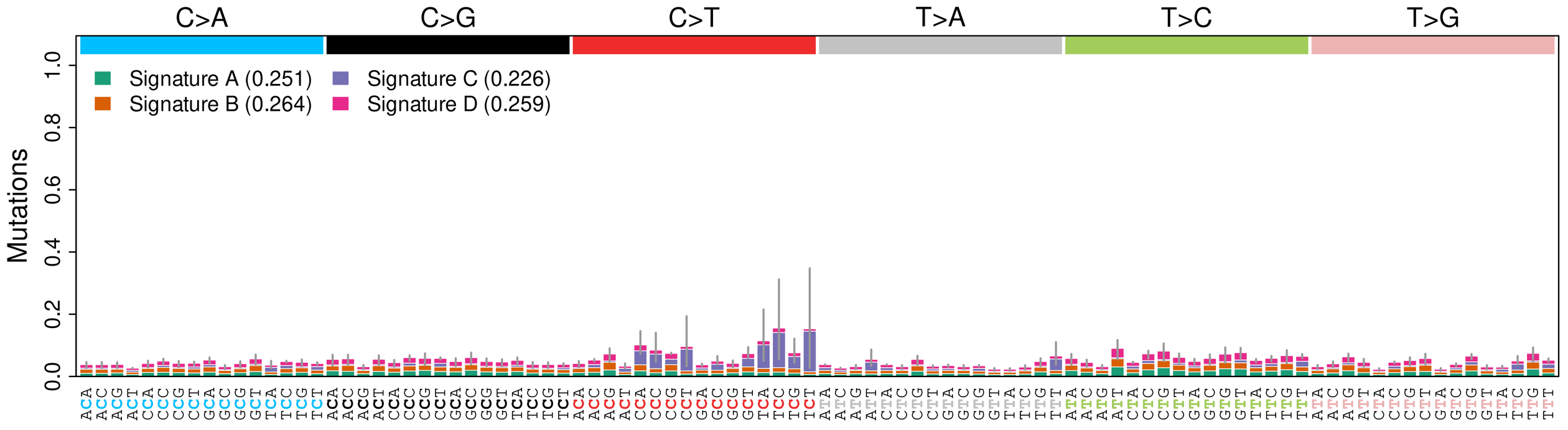
Reconstructed spectrum (cosine similarity = 0.166)

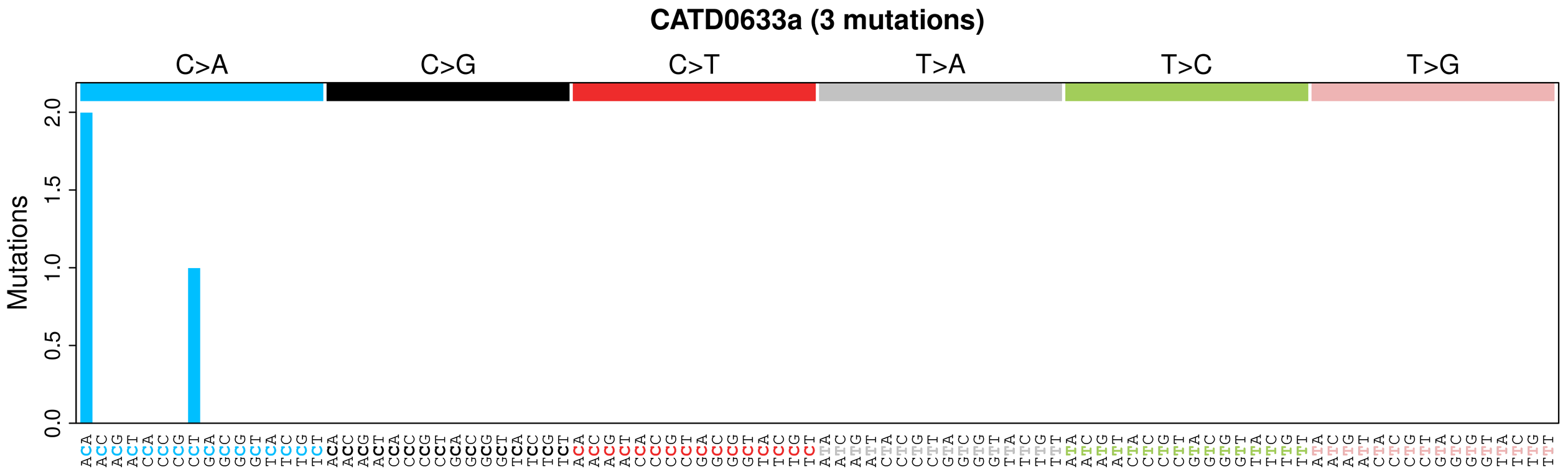


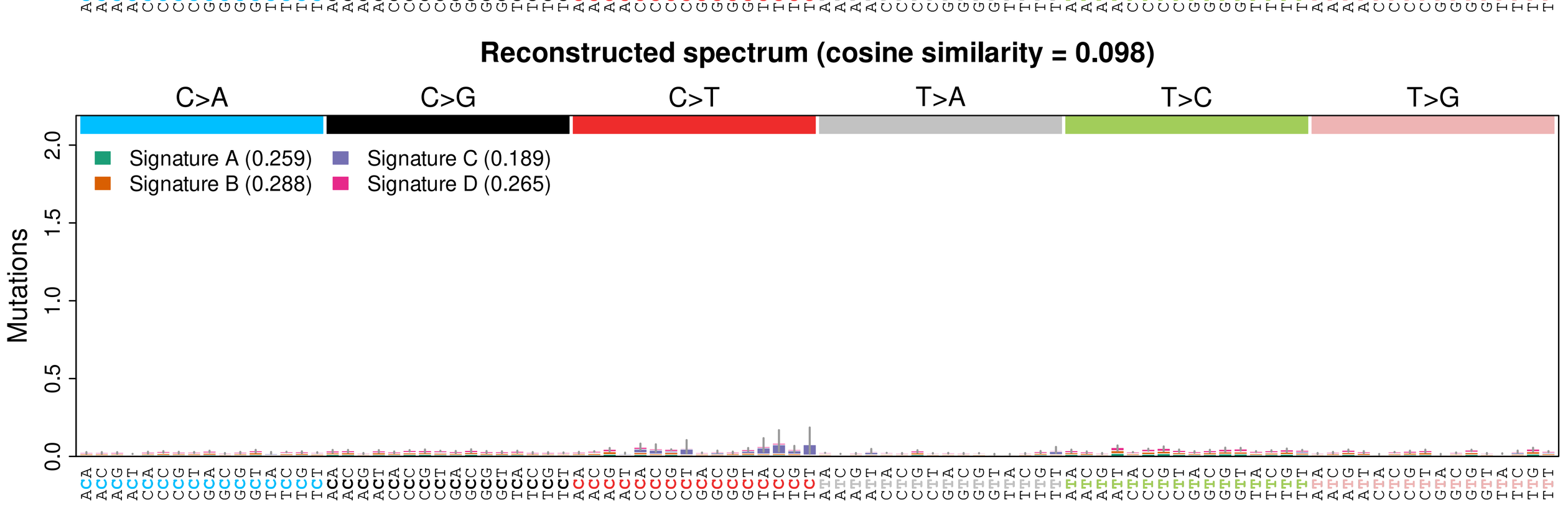
CATD0632a



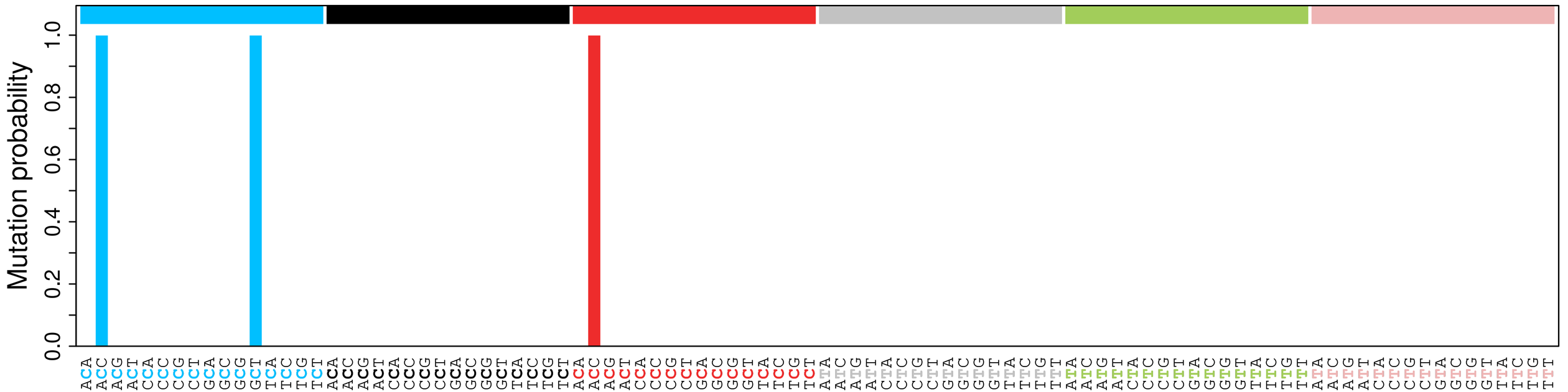
Reconstructed spectrum (cosine similarity = 0.193)



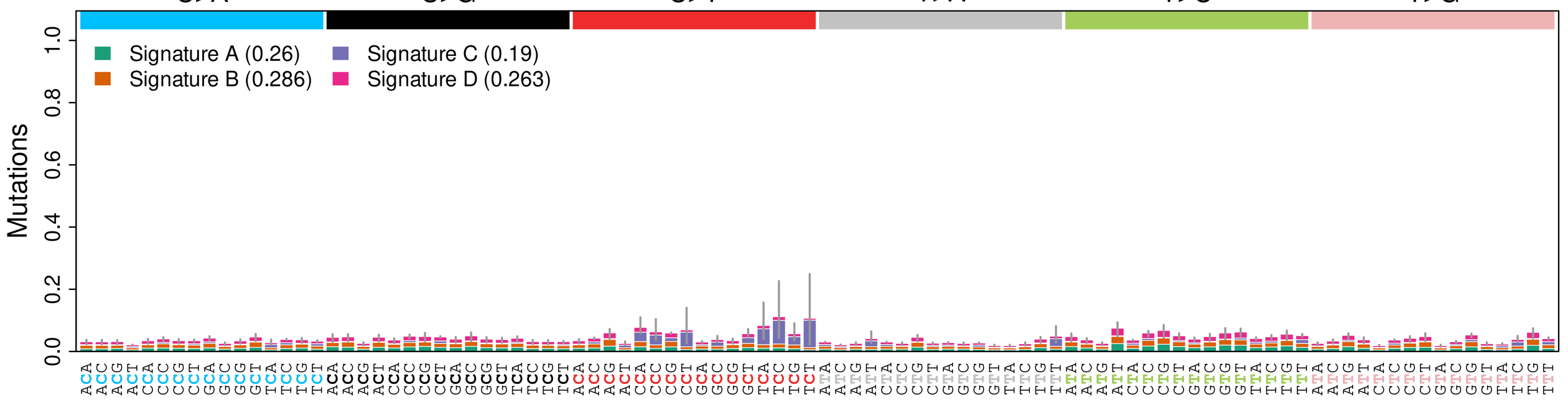

CATD0633a (3 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.098)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.259)
Signature B (0.288)
Signature C (0.189)
Signature D (0.265)
Mutations
0.0
0.5
1.0
1.5
2.0

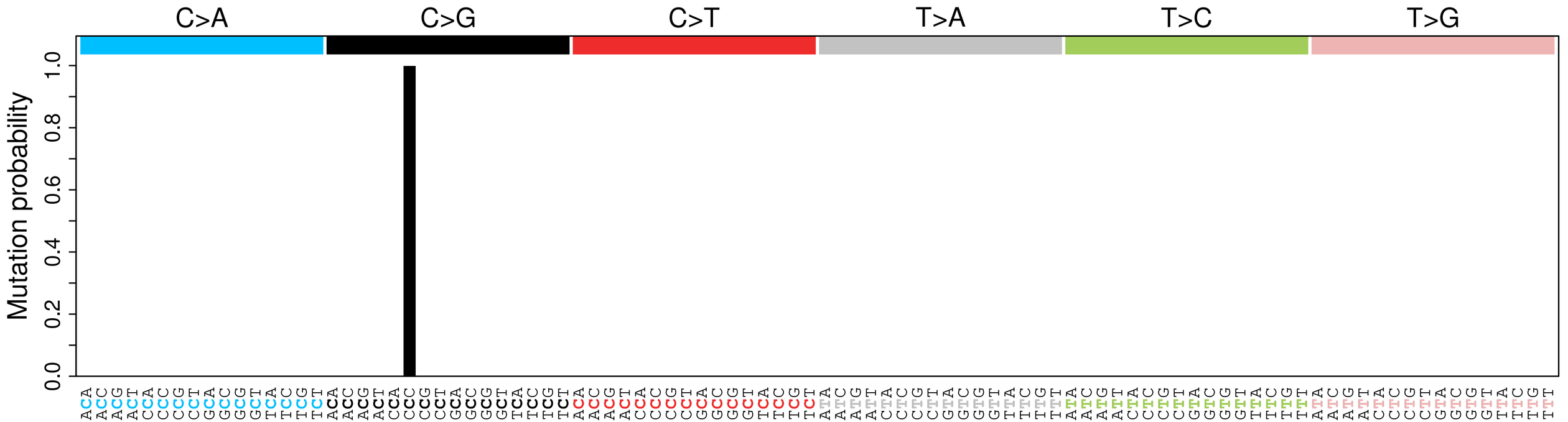
CATD0157a



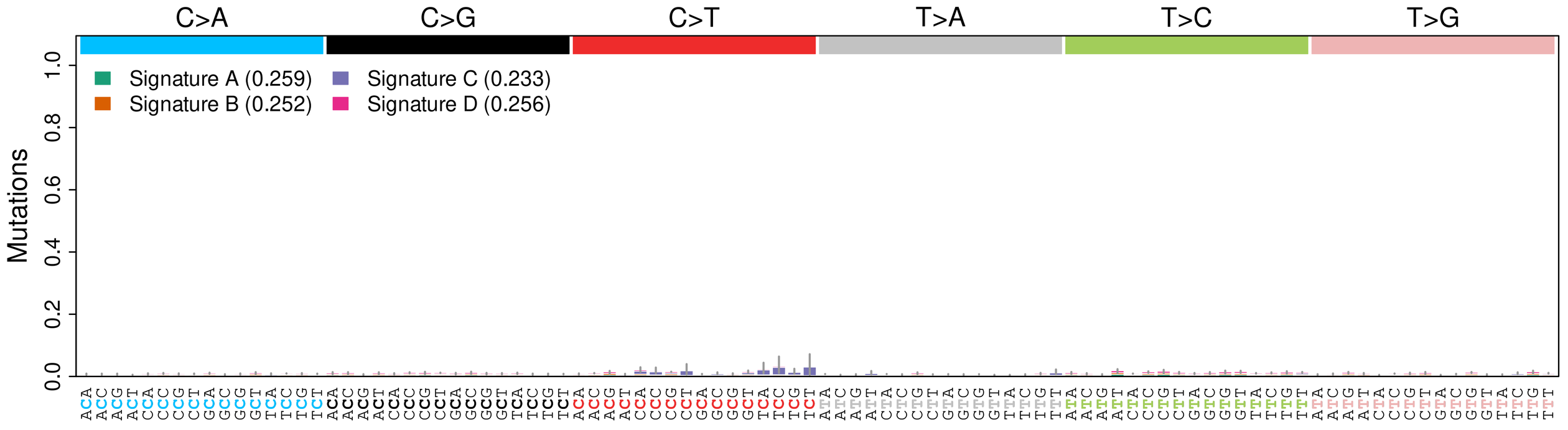
Reconstructed spectrum (cosine similarity = 0.157)

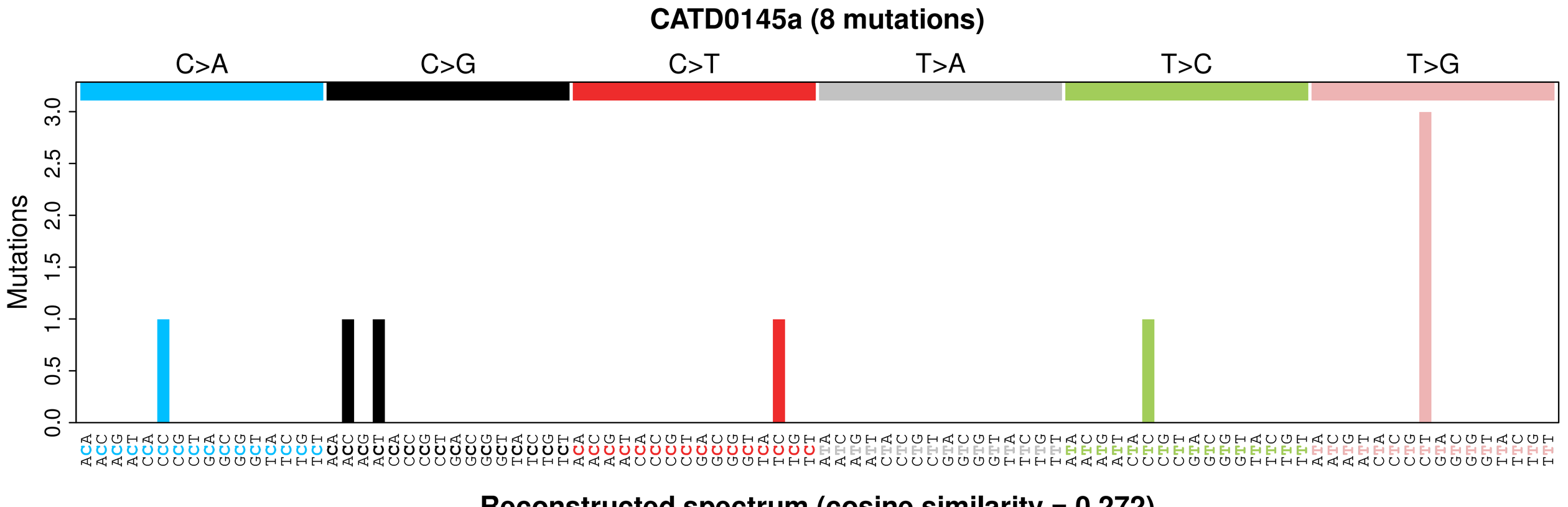


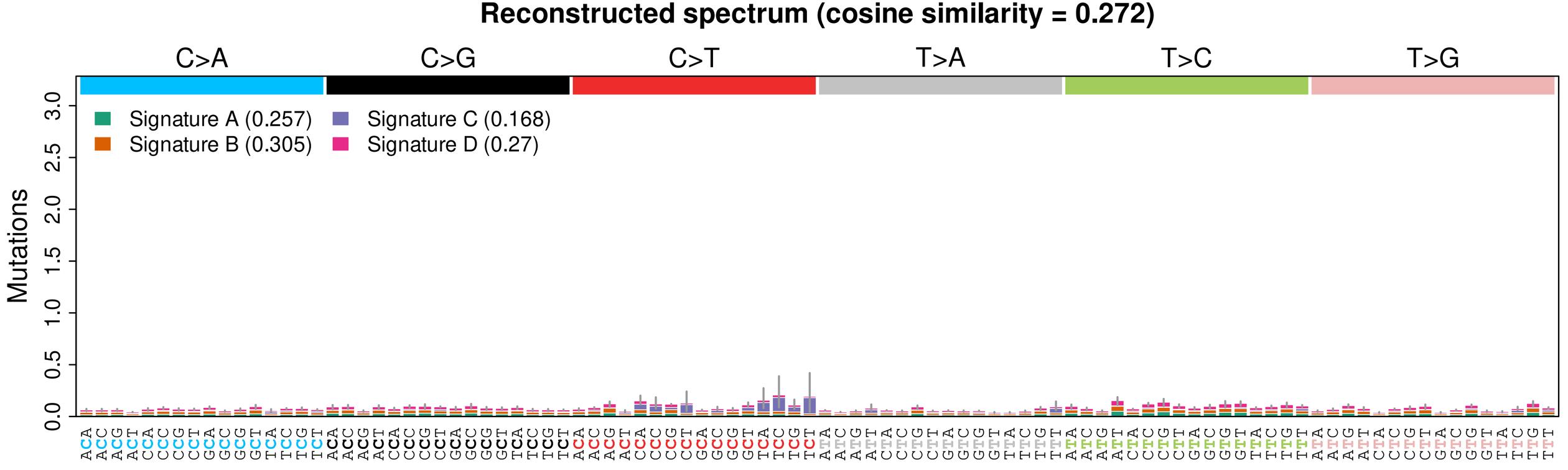
CATD0147a

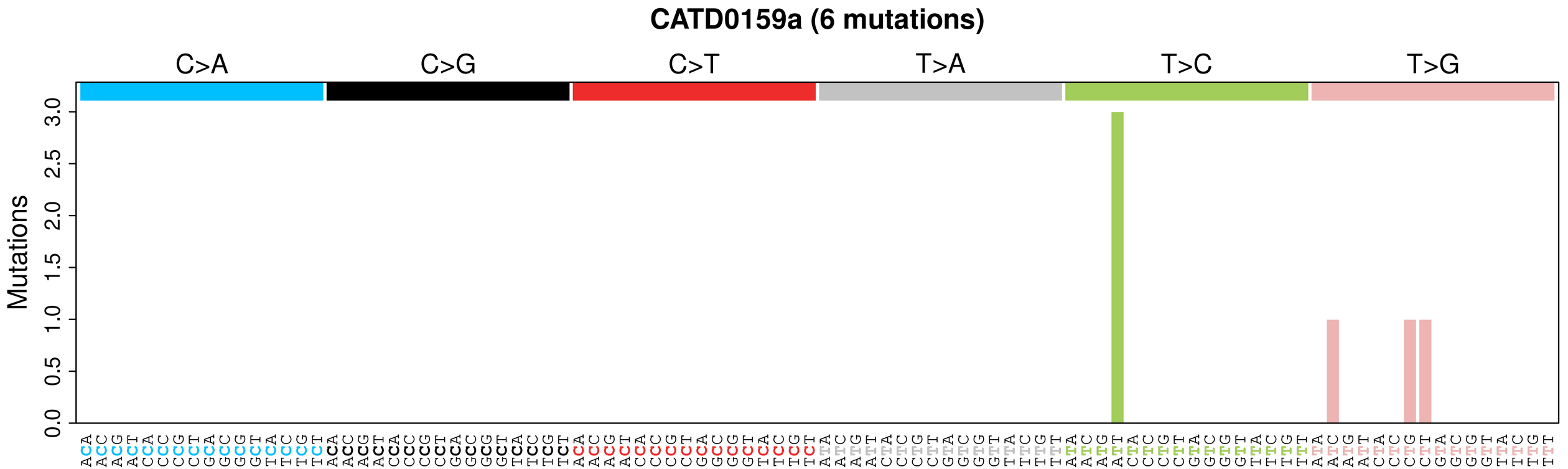


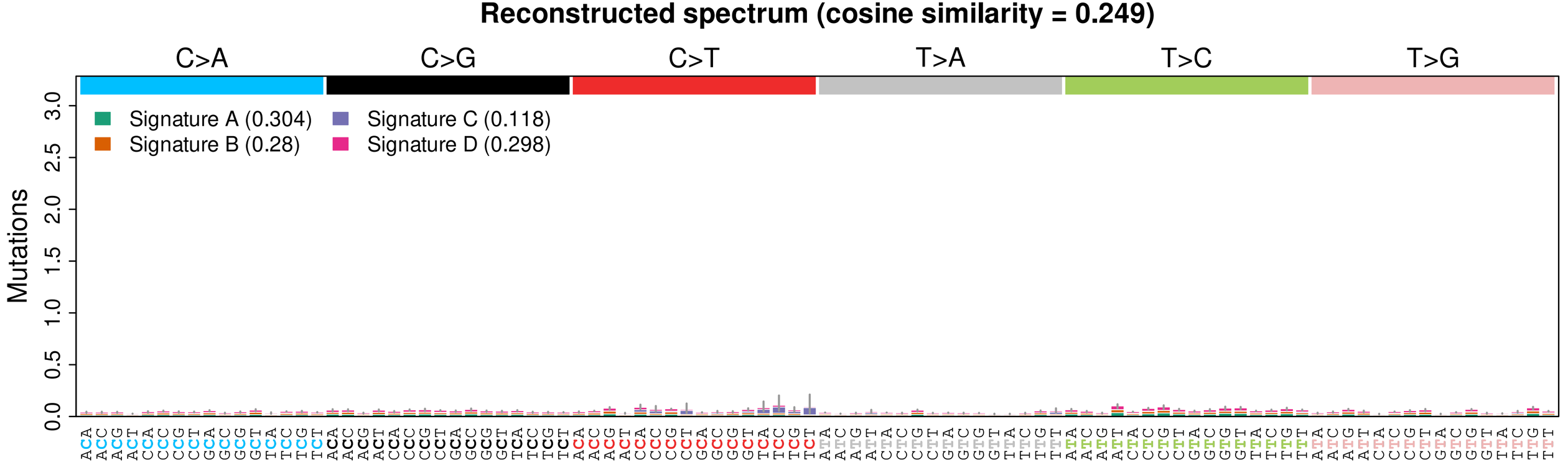
Reconstructed spectrum (cosine similarity = 0.107)



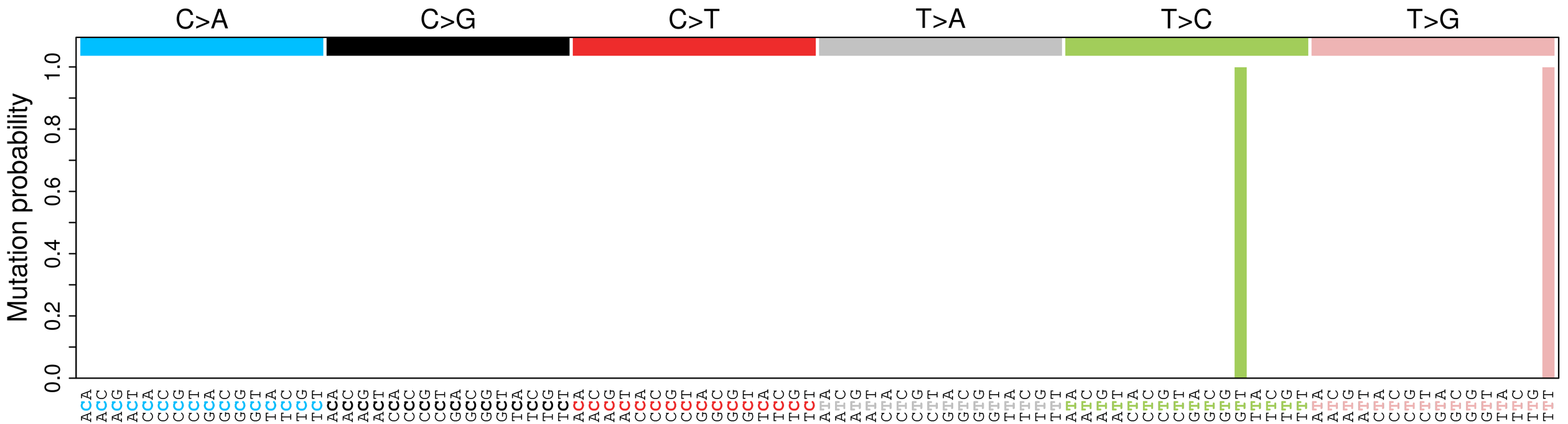

CATD0145a (8 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Reconstructed spectrum (cosine similarity = 0.272)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.257)
Signature B (0.305)
Signature C (0.168)
Signature D (0.27)
Mutations
0.0
0.5
1.0
1.5
2.0
2.5
3.0

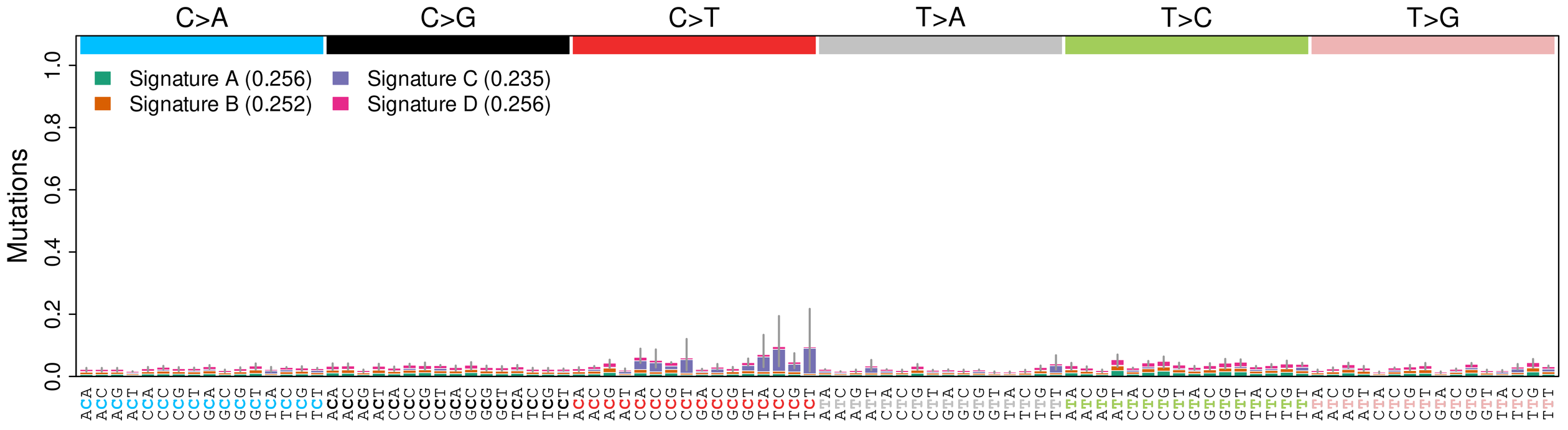

CATD0159a (6 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Reconstructed spectrum (cosine similarity = 0.249)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.304)
Signature B (0.28)
Signature C (0.118)
Signature D (0.298)
Mutations
0.0
0.5
1.0
1.5
2.0
2.5
3.0

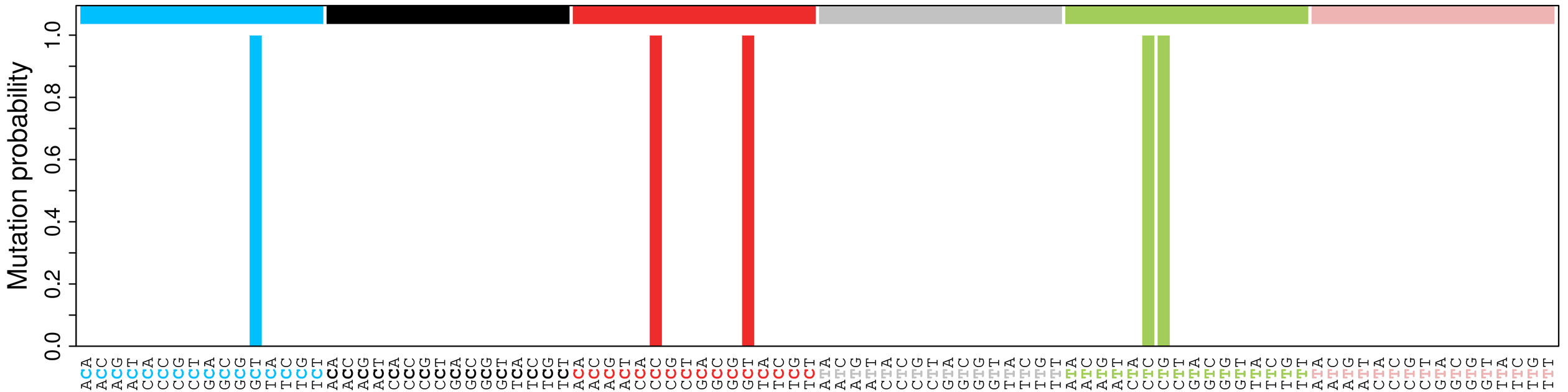
CATD0148a



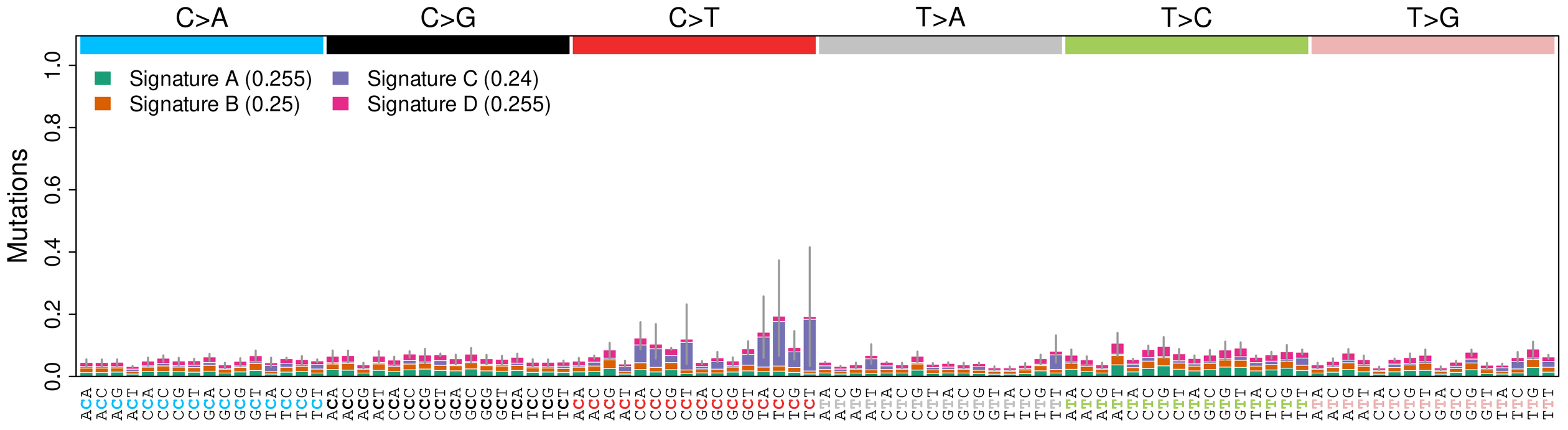
Reconstructed spectrum (cosine similarity = 0.161)



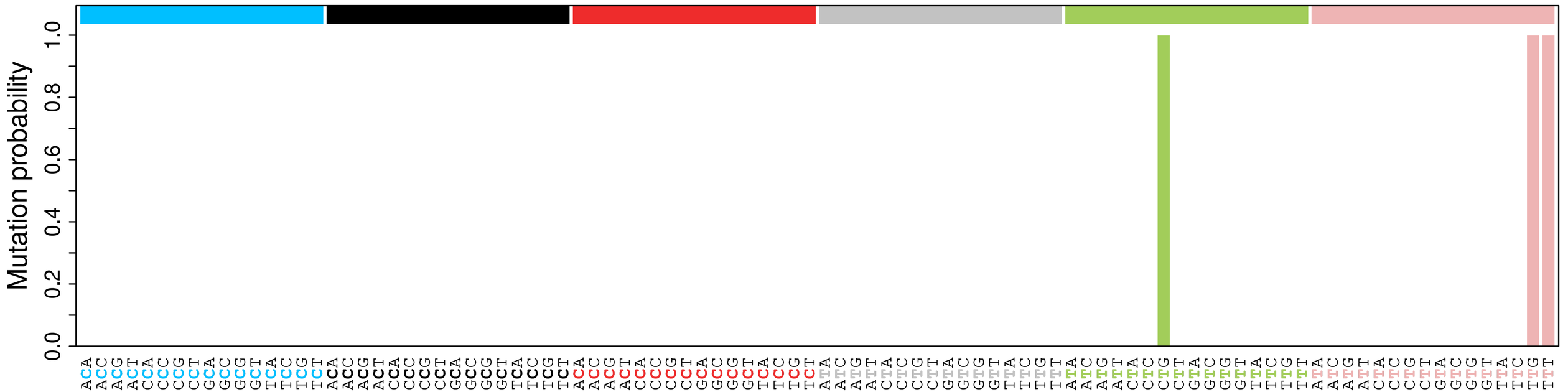
CATD0153a



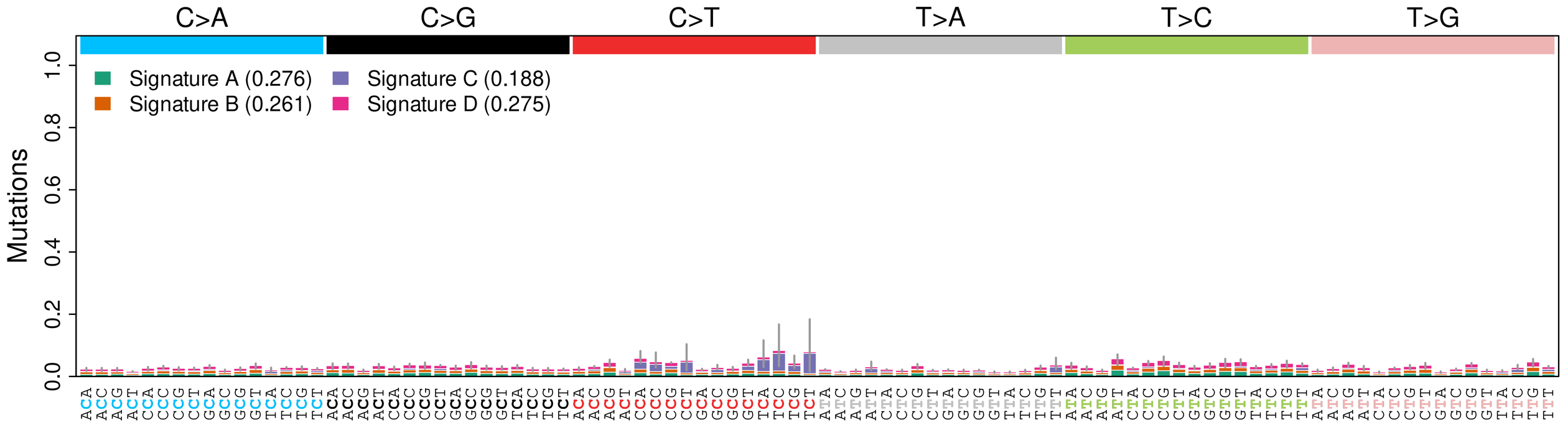
Reconstructed spectrum (cosine similarity = 0.293)



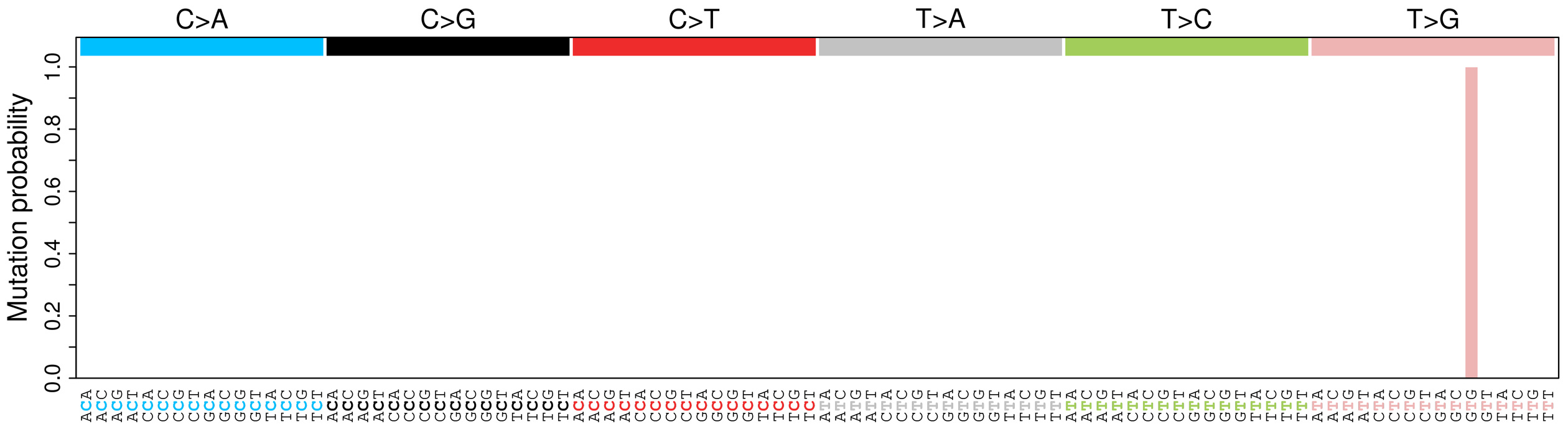
CATD0635a



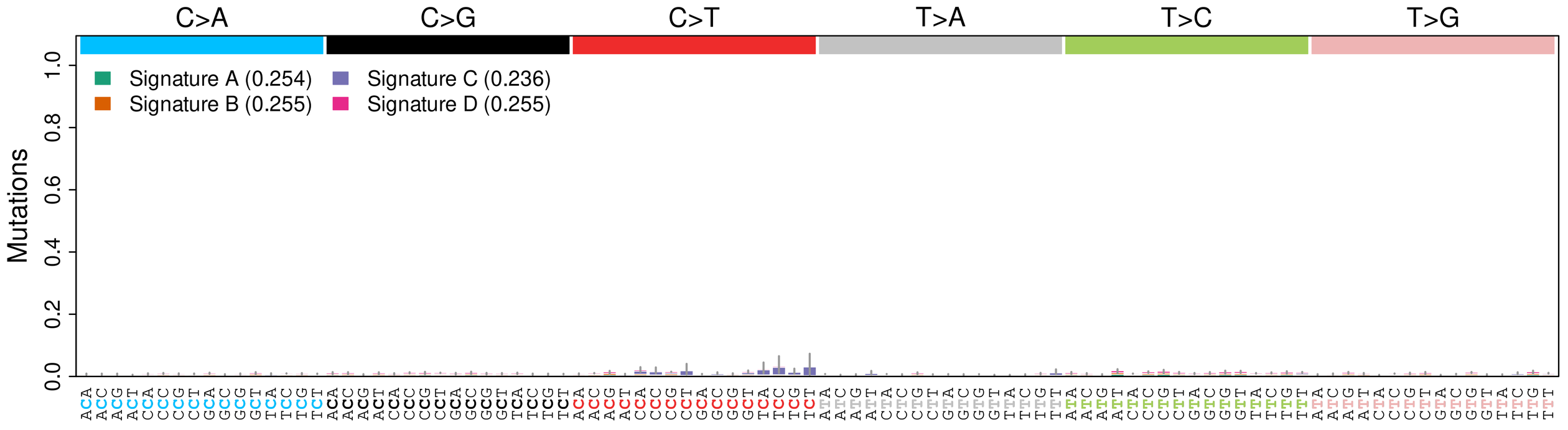
Reconstructed spectrum (cosine similarity = 0.224)

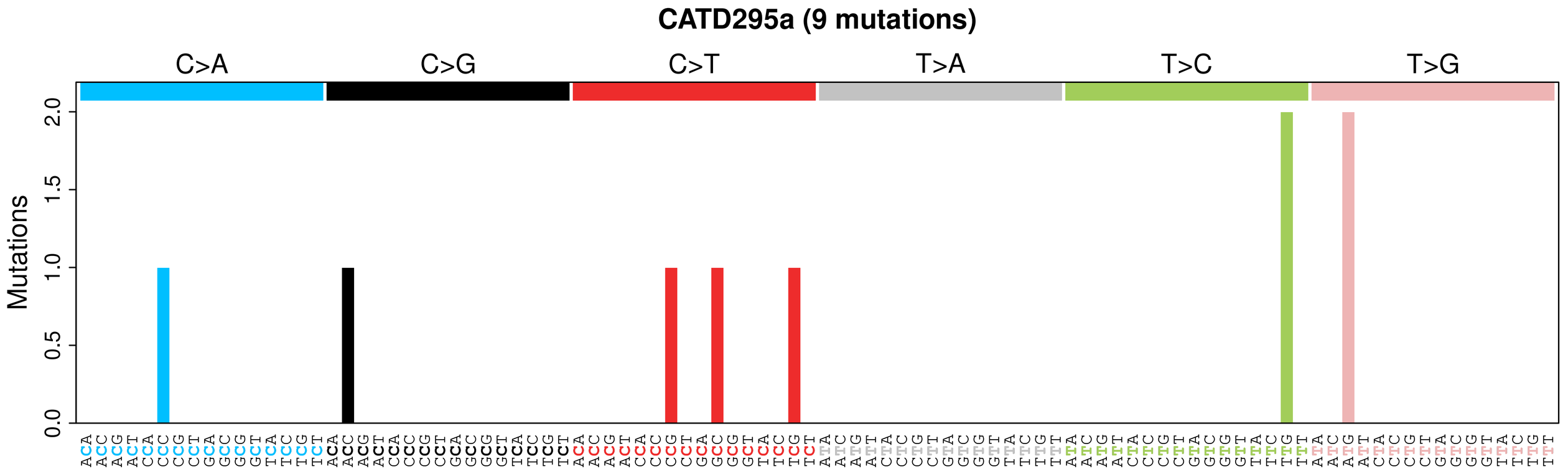


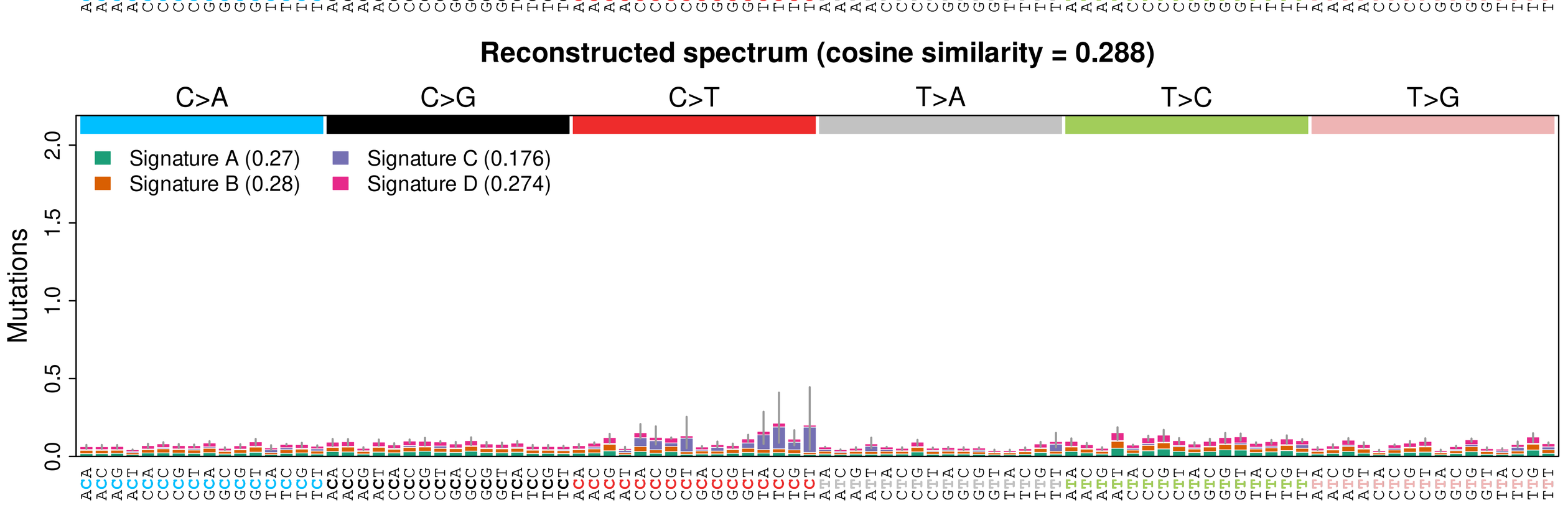
CATD0646a

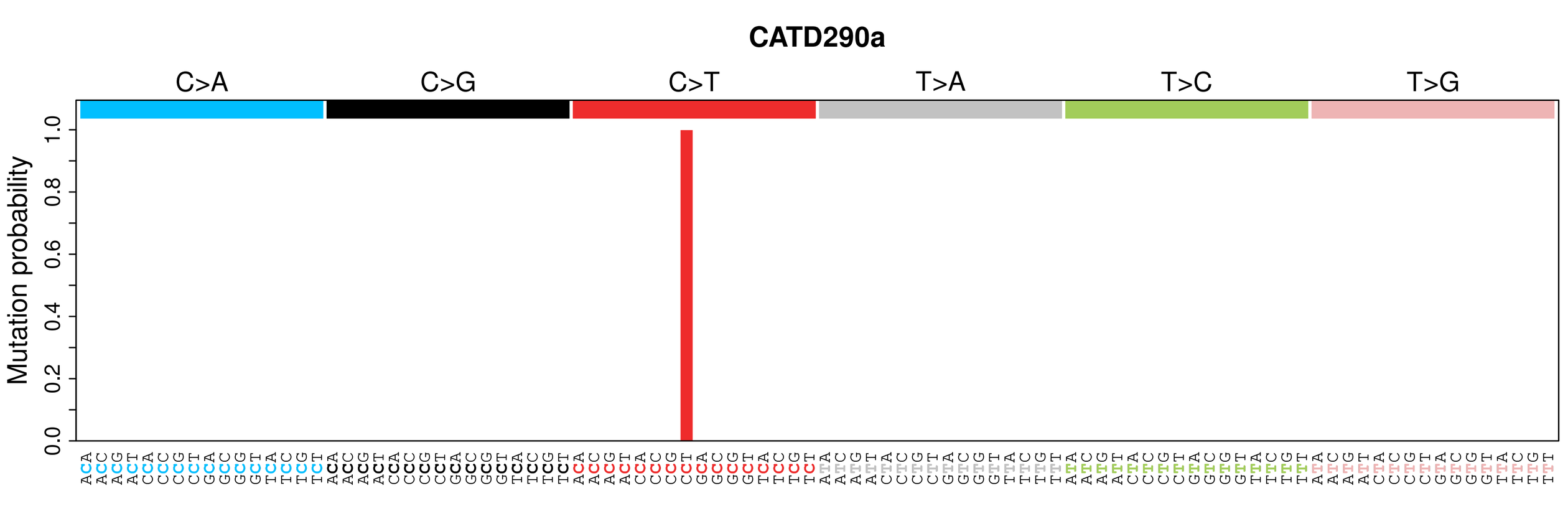


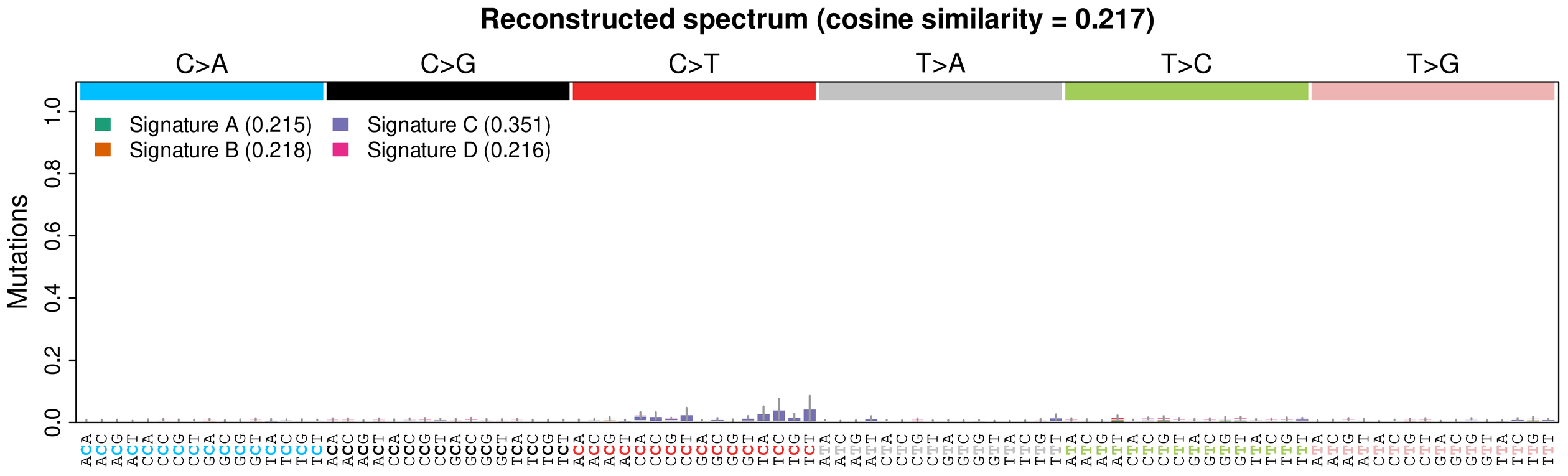
Reconstructed spectrum (cosine similarity = 0.116)



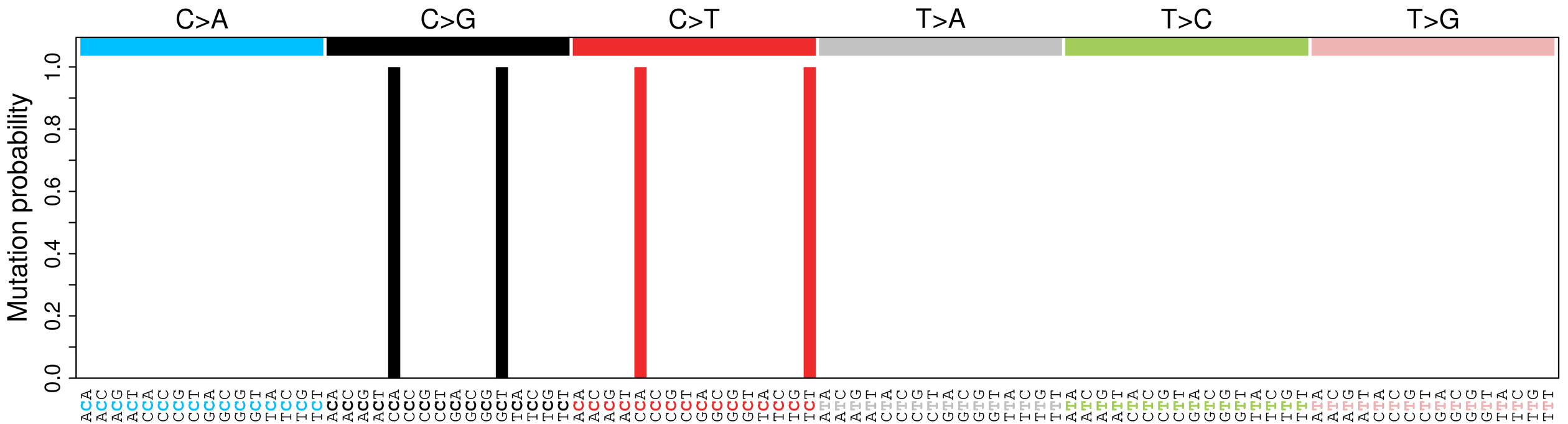

CATD295a (9 mutations)
C>A
C>G
C>T
T>A
T>C
T>G
Mutations
0.0
0.5
1.0
1.5
2.0


Reconstructed spectrum (cosine similarity = 0.288)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.27)
Signature B (0.28)
Signature C (0.176)
Signature D (0.274)
Mutations
0.0
0.5
1.0
1.5
2.0

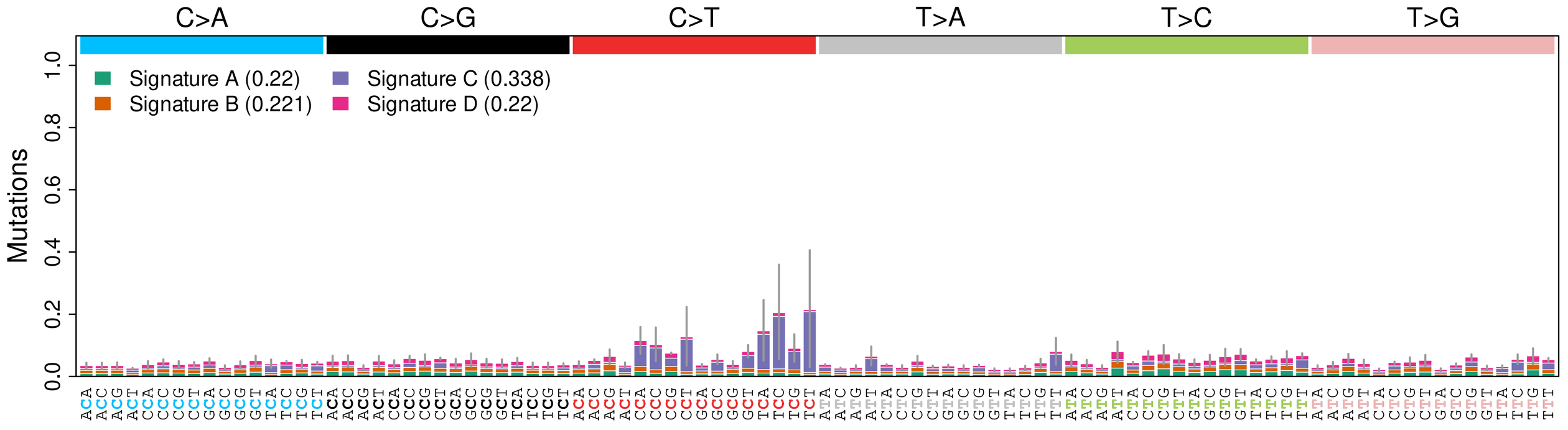

CATD290a
C>A
C>G
C>T
T>A
T>C
T>G
Mutation probability
0.0
0.2
0.4
0.6
0.8
1.0


Reconstructed spectrum (cosine similarity = 0.217)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.215)
Signature B (0.218)
Signature C (0.351)
Signature D (0.216)
Mutations
0.0
0.2
0.4
0.6
0.8
1.0

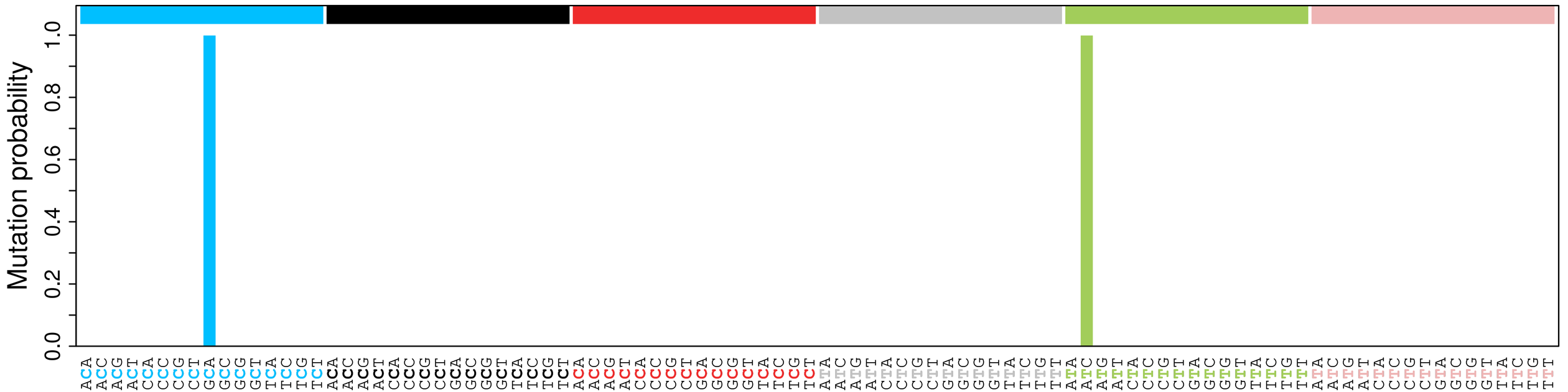
CATD0142a



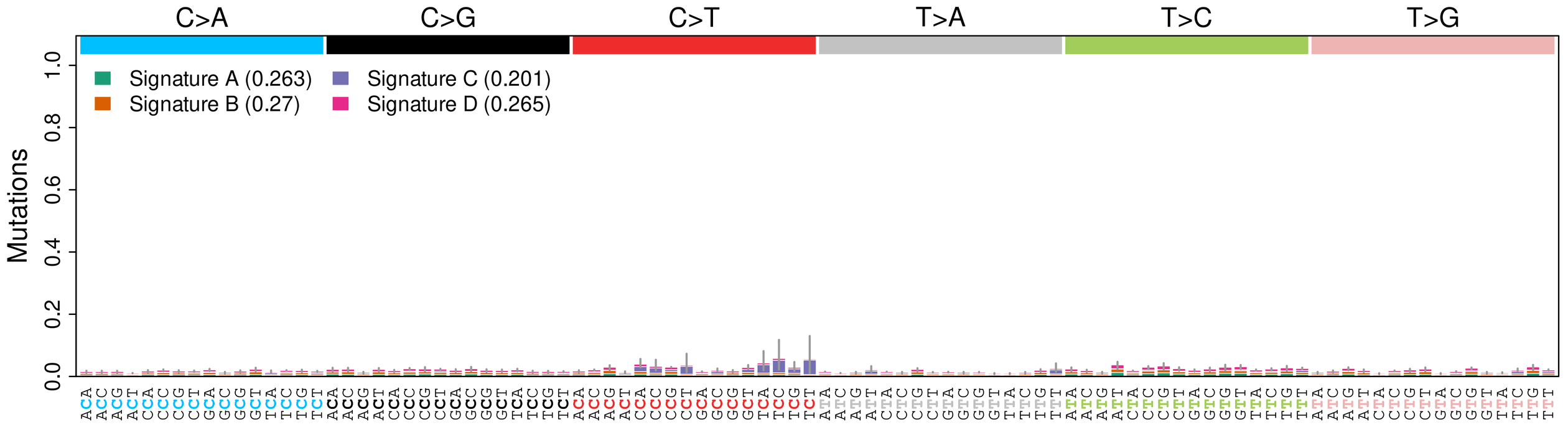
Reconstructed spectrum (cosine similarity = 0.346)



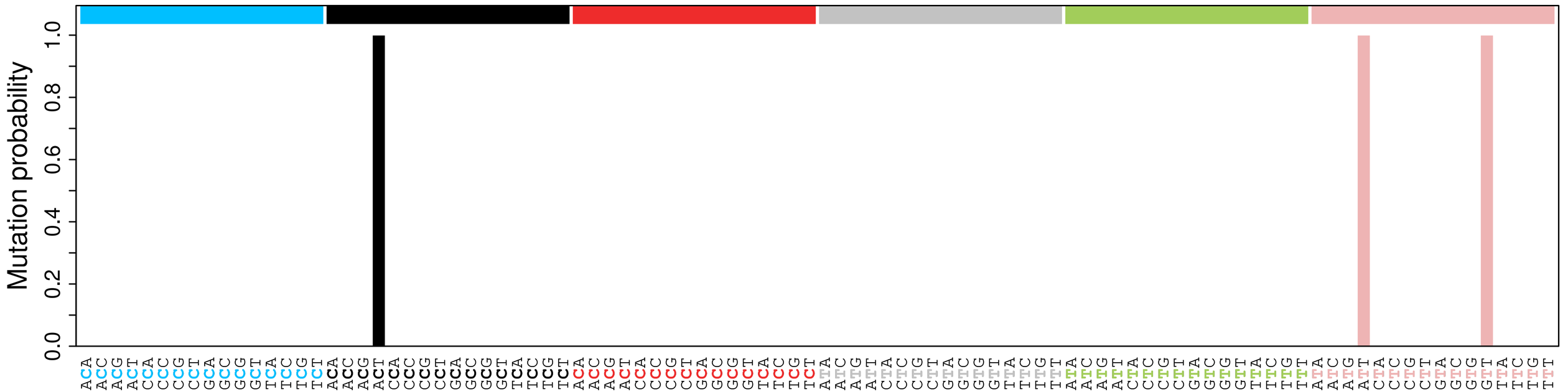
CATD291a



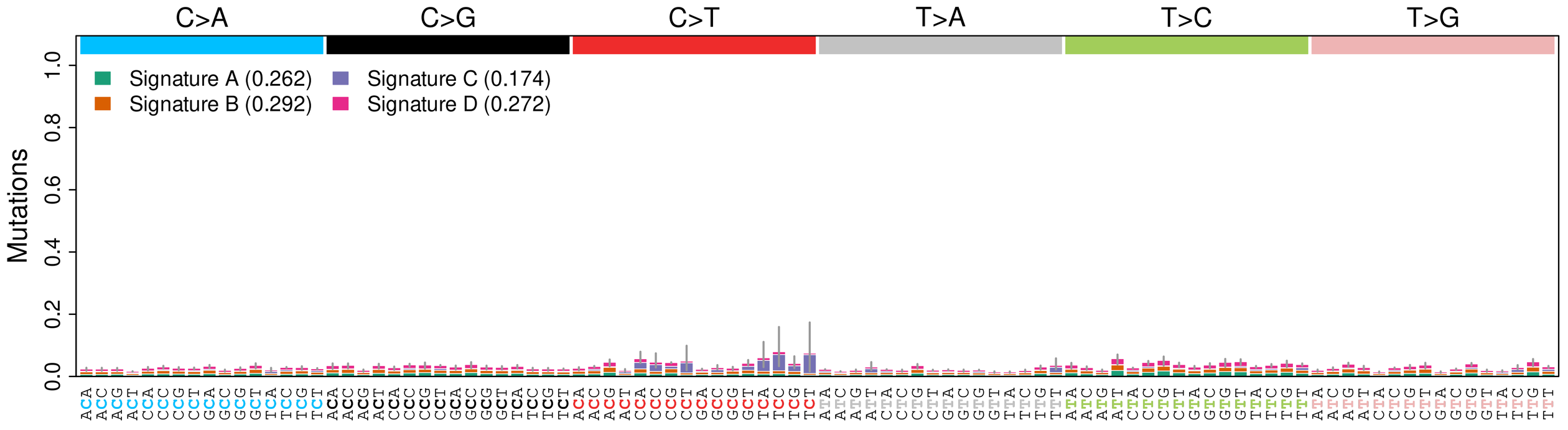
Reconstructed spectrum (cosine similarity = 0.127)

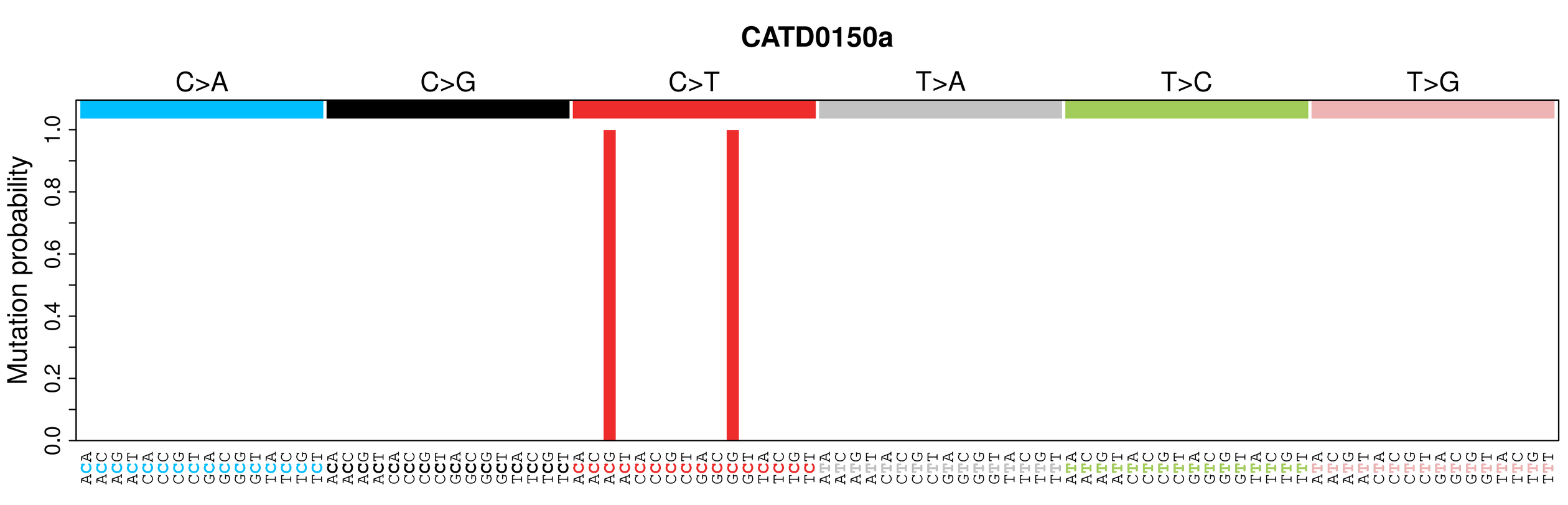


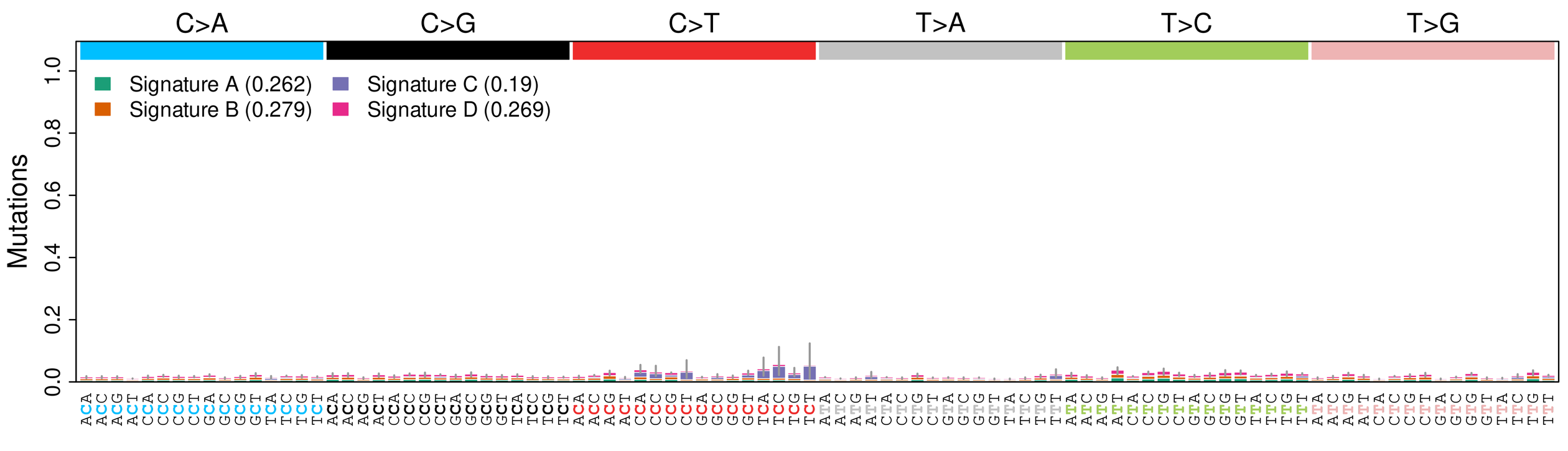
CATD284a



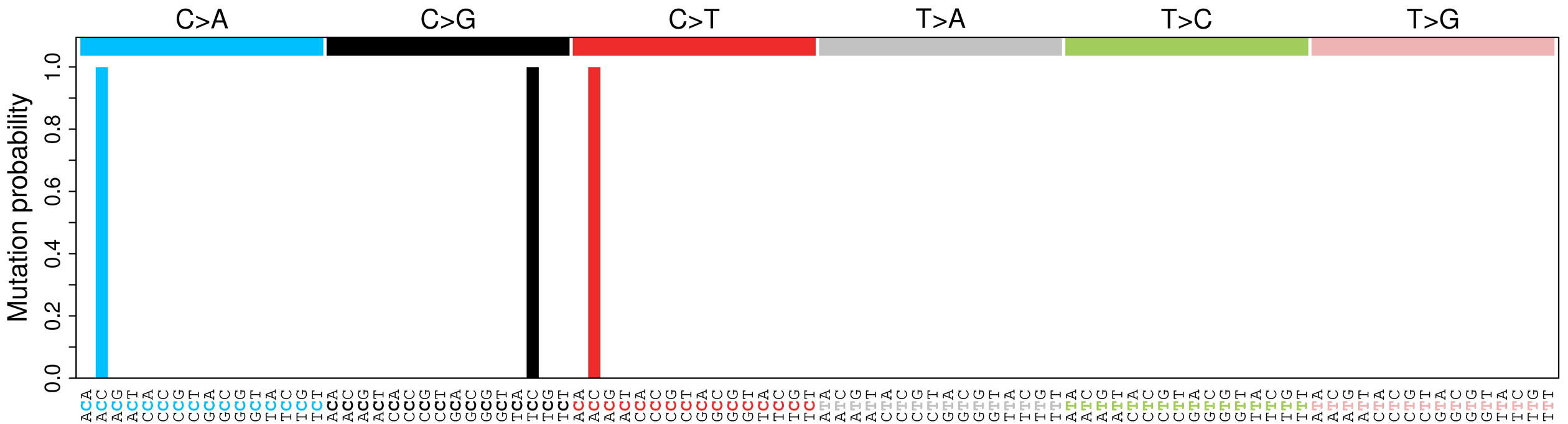
Reconstructed spectrum (cosine similarity = 0.144)



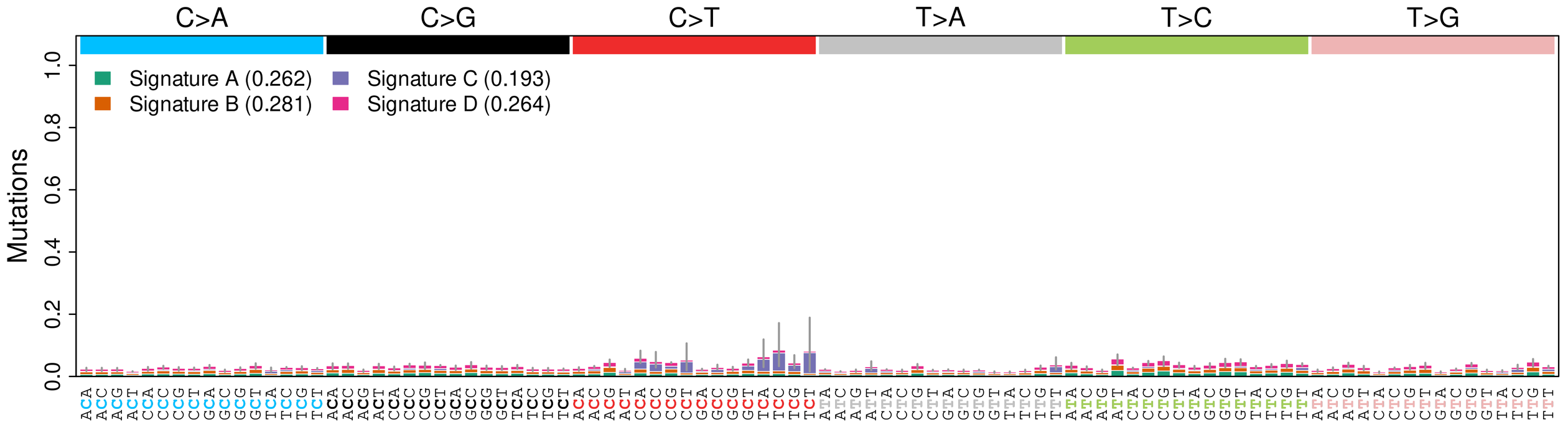

CATD0150a
C>A
C>G
C>T
T>A
T>C
T>G
Mutation probability
0.0
0.2
0.4
0.6
0.8
1.0


Reconstructed spectrum (cosine similarity = 0.151)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.262)
Signature B (0.279)
Signature C (0.19)
Signature D (0.269)
Mutations
0.0
0.2
0.4
0.6
0.8
1.0

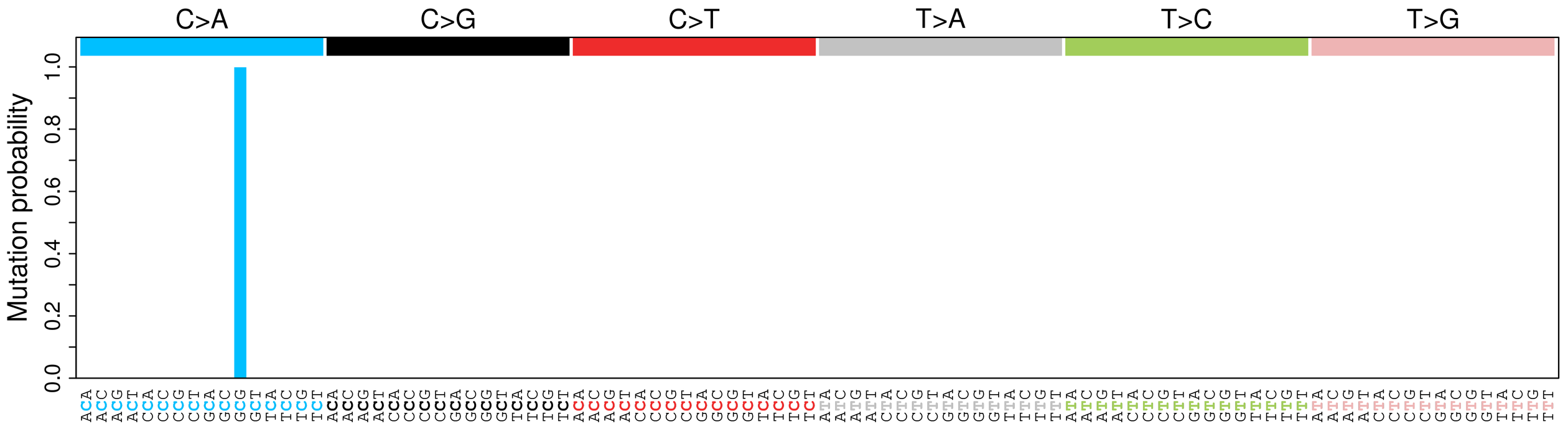
CATD0156a



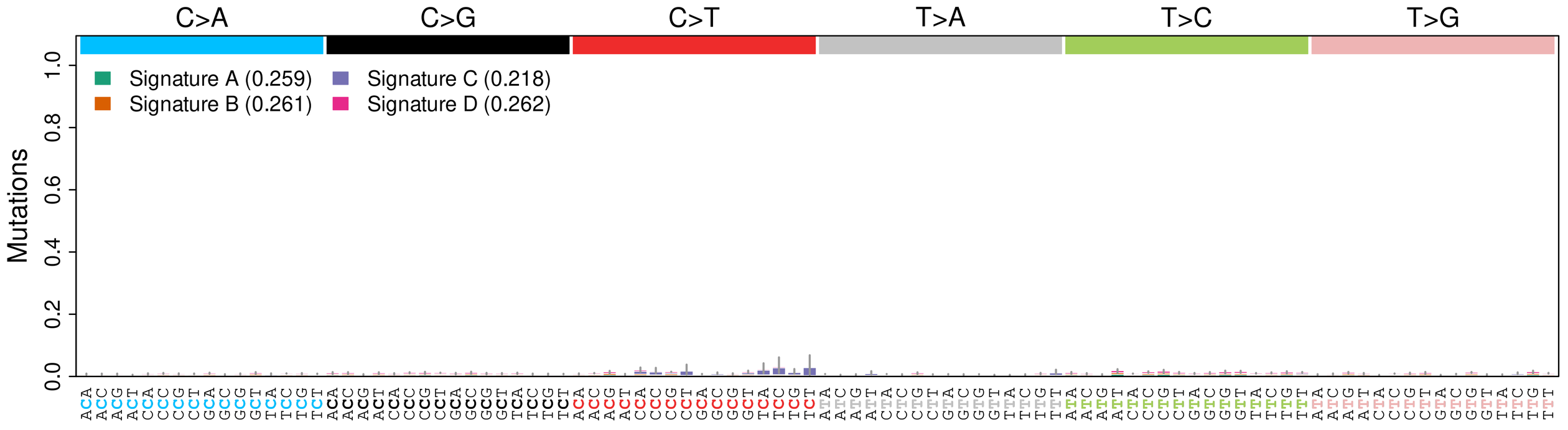
Reconstructed spectrum (cosine similarity = 0.137)



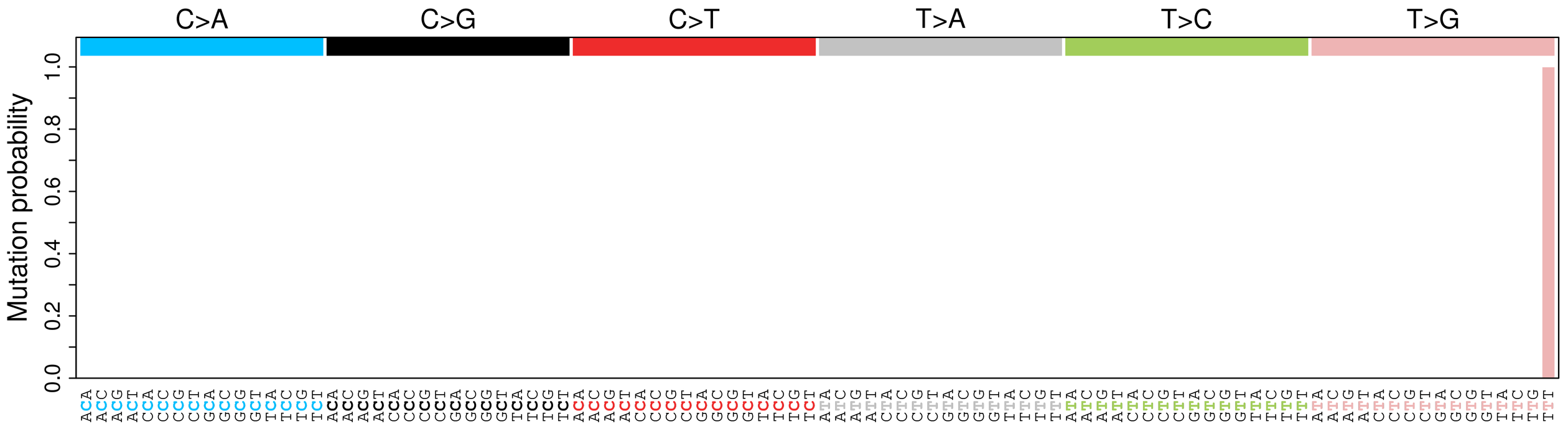
CATD0154a



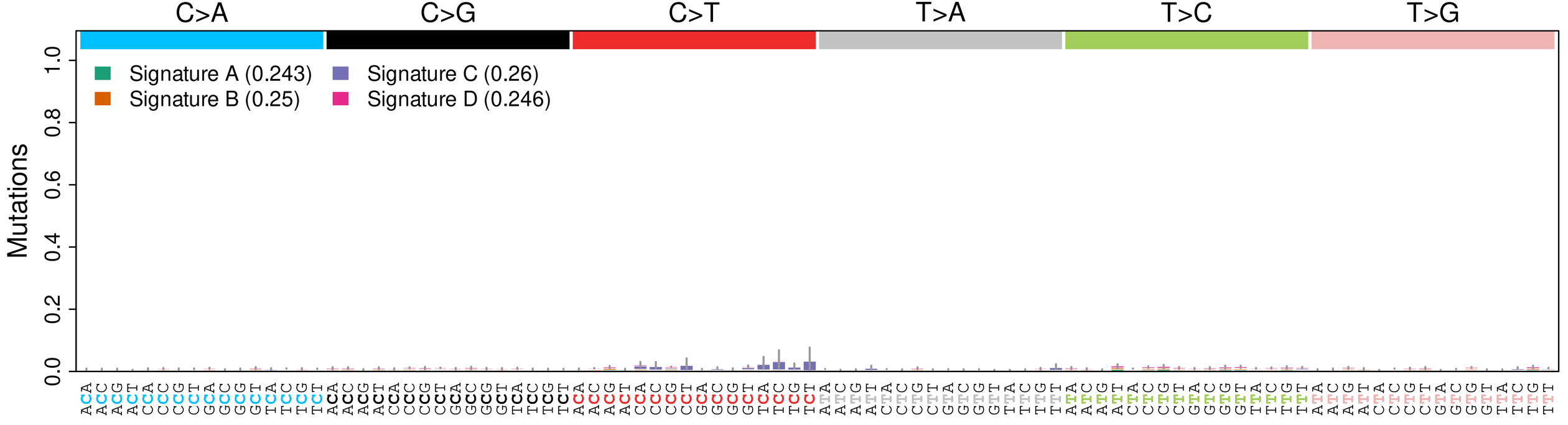
Reconstructed spectrum (cosine similarity = 0.074)

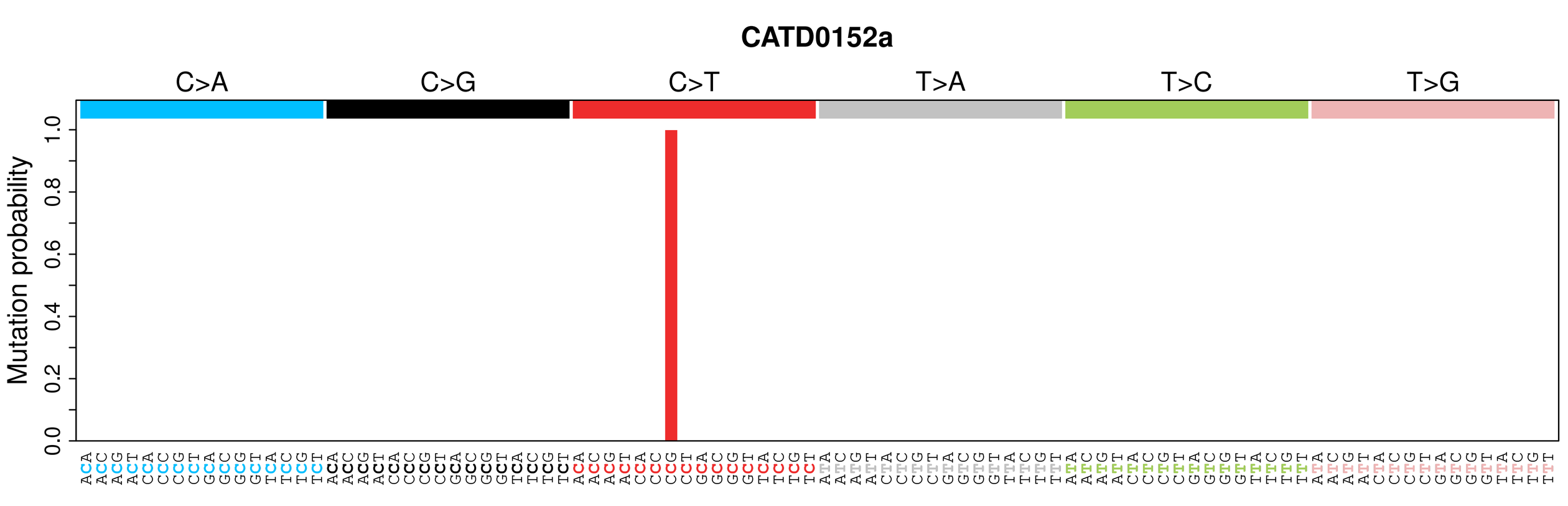


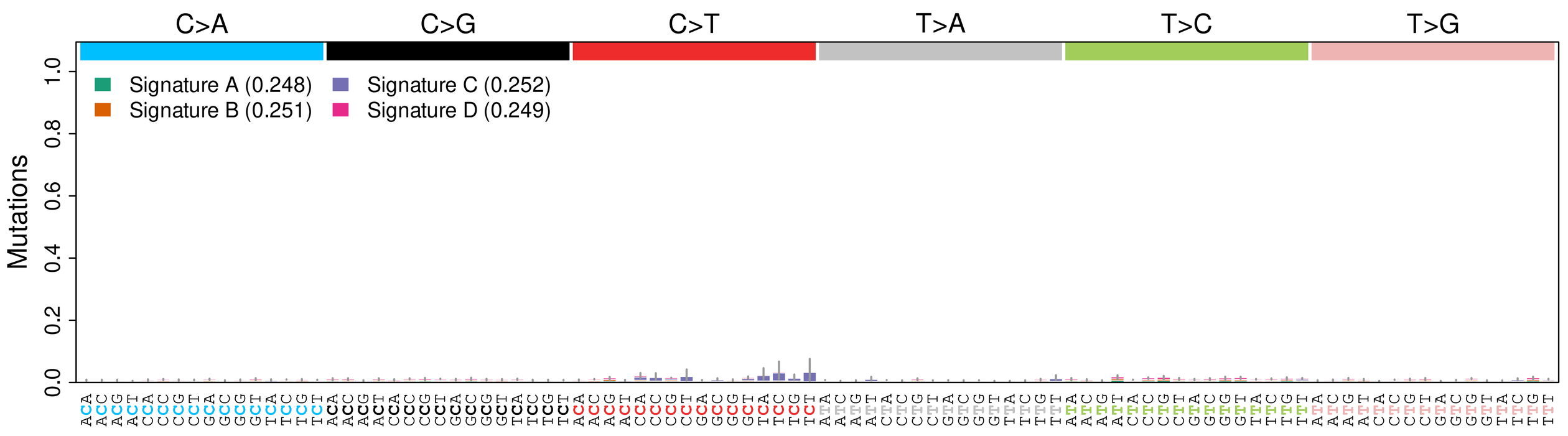
CATD0651a

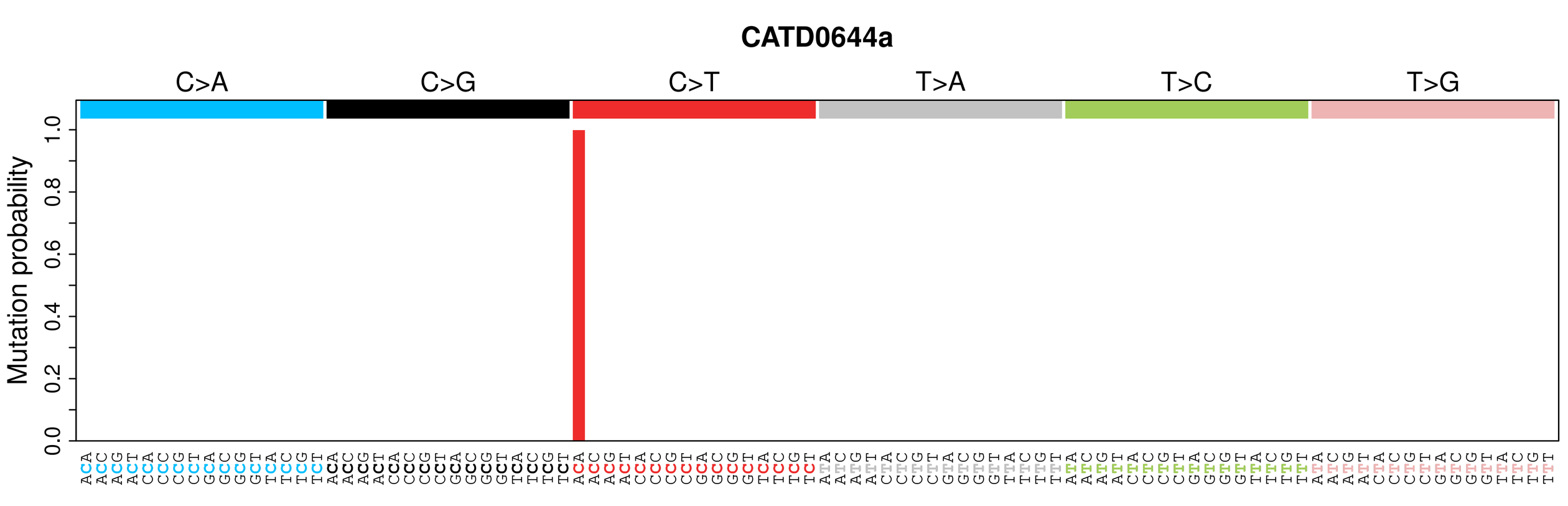


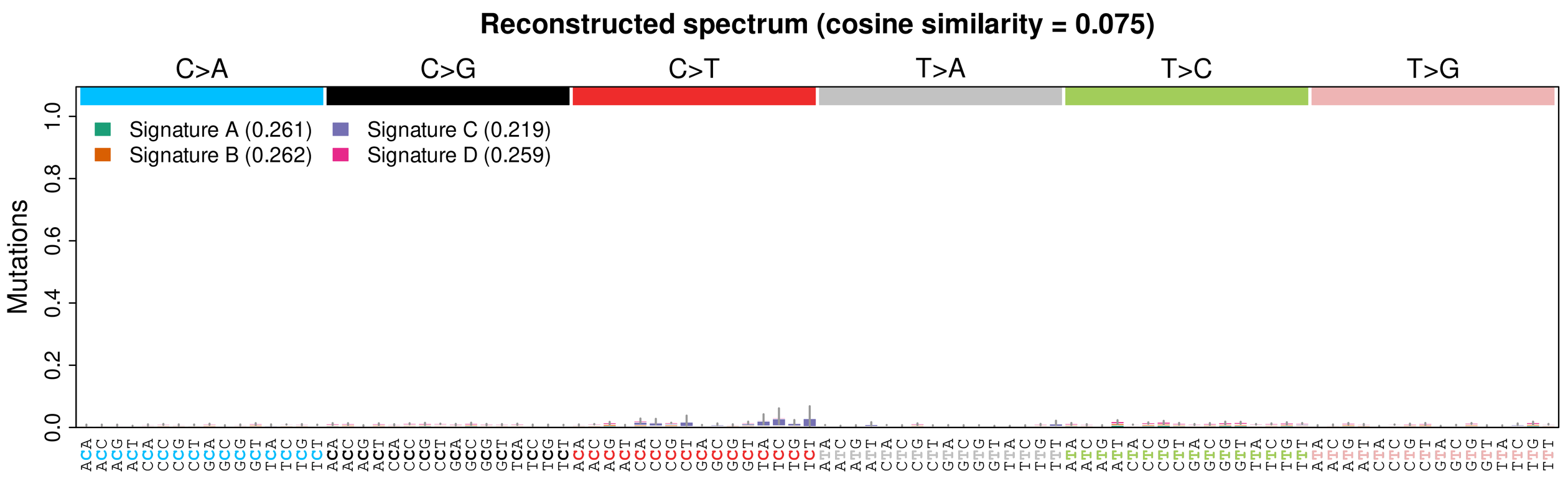
Reconstructed spectrum (cosine similarity = 0.092)




CATD0152a
C>A
C>G
C>T
T>A
T>C
T>G
Mutation probability
0.0
0.2
0.4
0.6
0.8
1.0


Reconstructed spectrum (cosine similarity = 0.131)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.248)
Signature B (0.251)
Signature C (0.252)
Signature D (0.249)
Mutations
0.0
0.2
0.4
0.6
0.8
1.0


CATD0644a
C>A
C>G
C>T
T>A
T>C
T>G
Mutation probability
0.0
0.2
0.4
0.6
0.8
1.0


Reconstructed spectrum (cosine similarity = 0.075)
C>A
C>G
C>T
T>A
T>C
T>G
Signature A (0.261)
Signature B (0.262)
Signature C (0.219)
Signature D (0.259)
Mutations
0.0
0.2
0.4
0.6
0.8
1.0