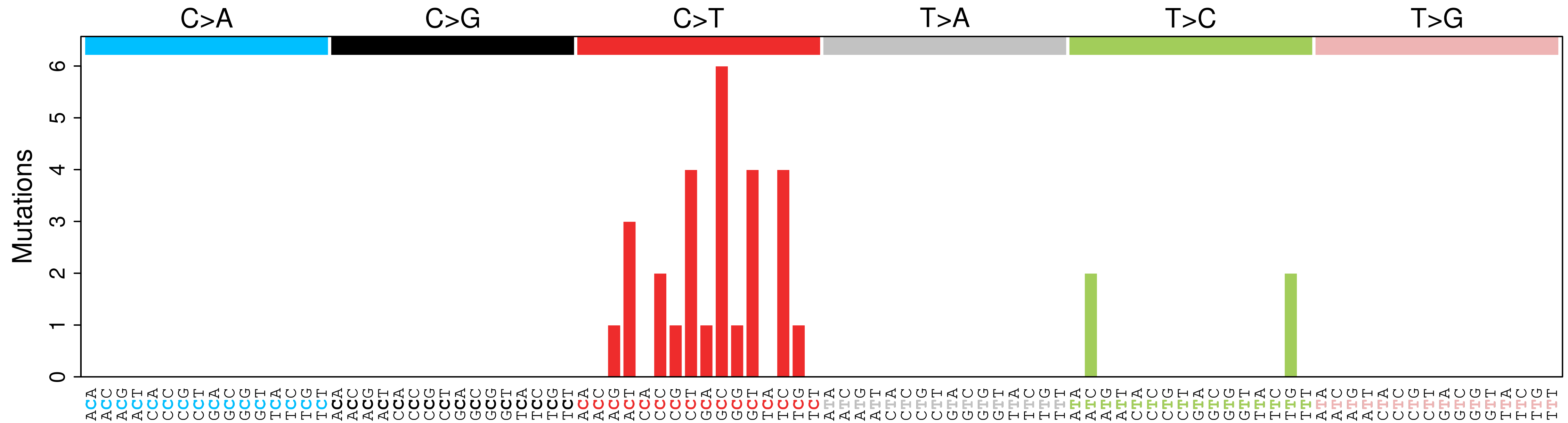
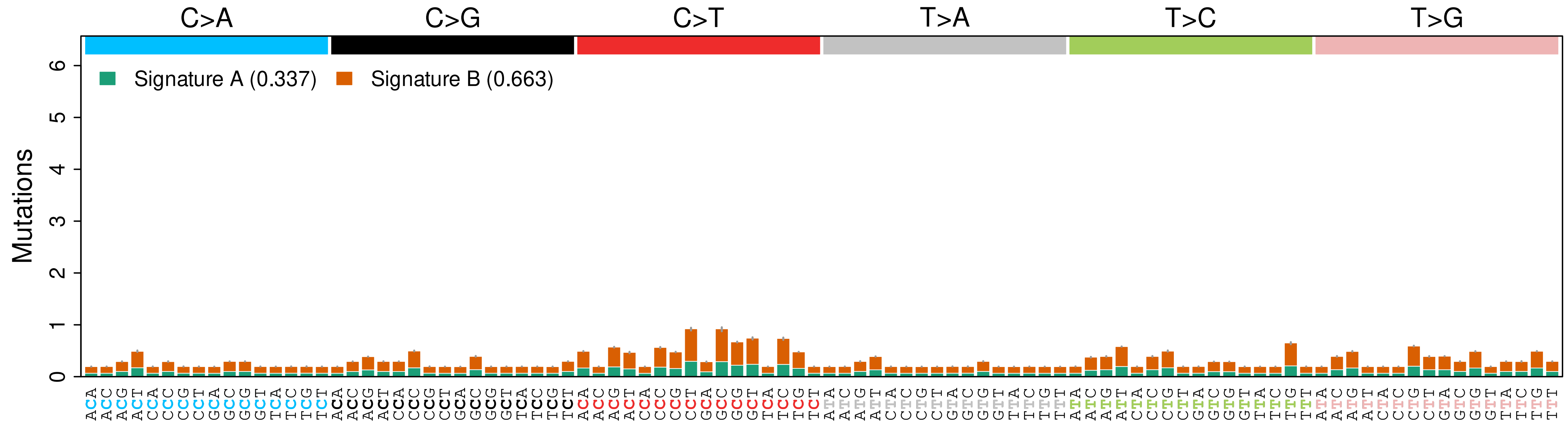


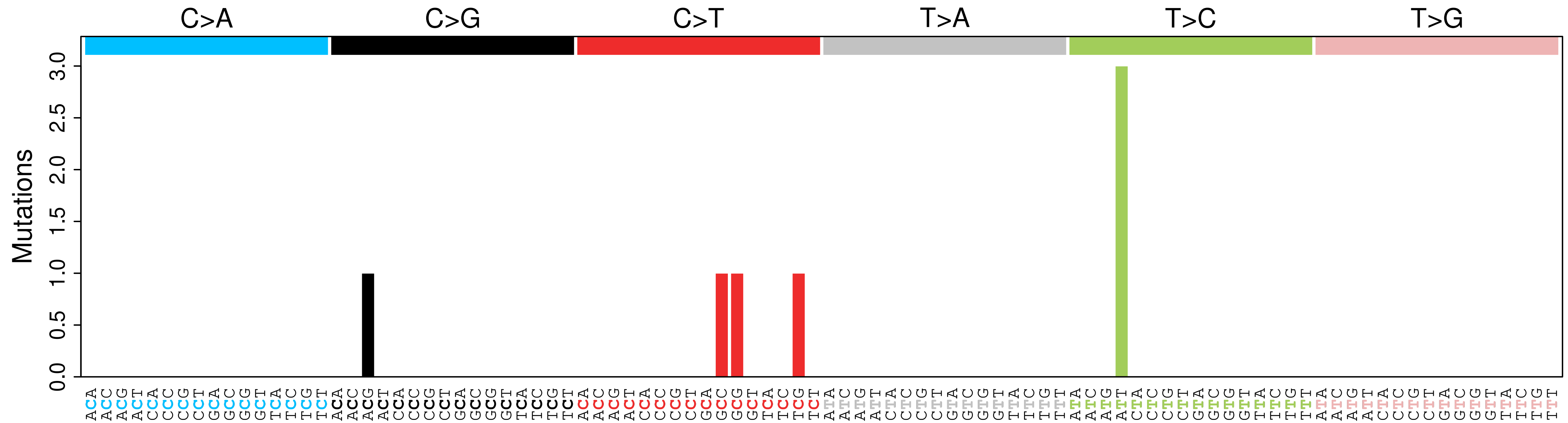
CATD0393a (32 mutations)



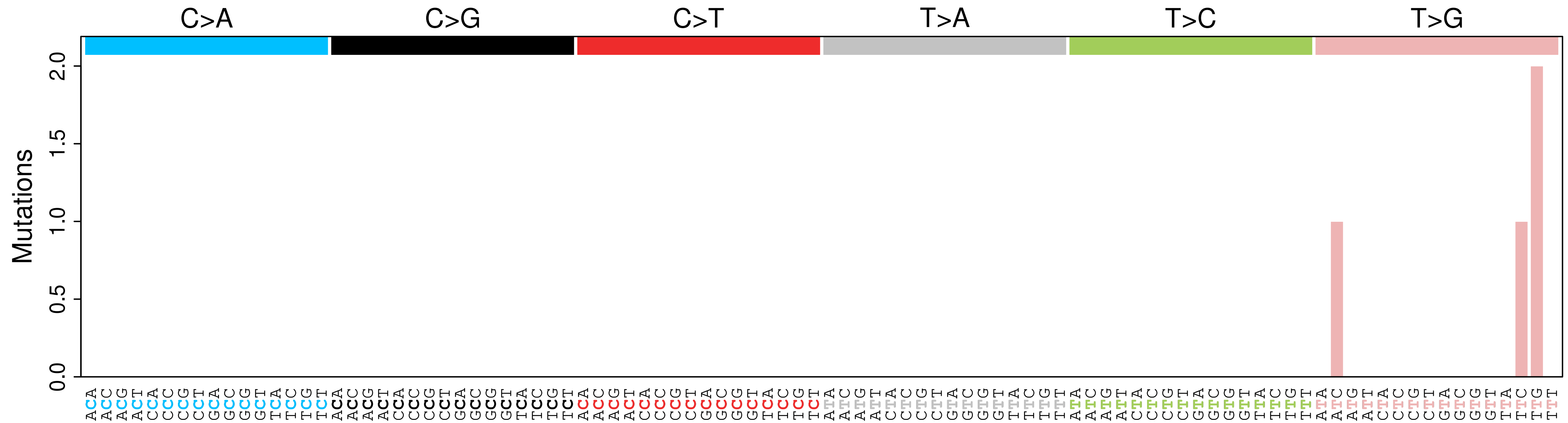
Reconstructed spectrum (cosine similarity = 0.61)



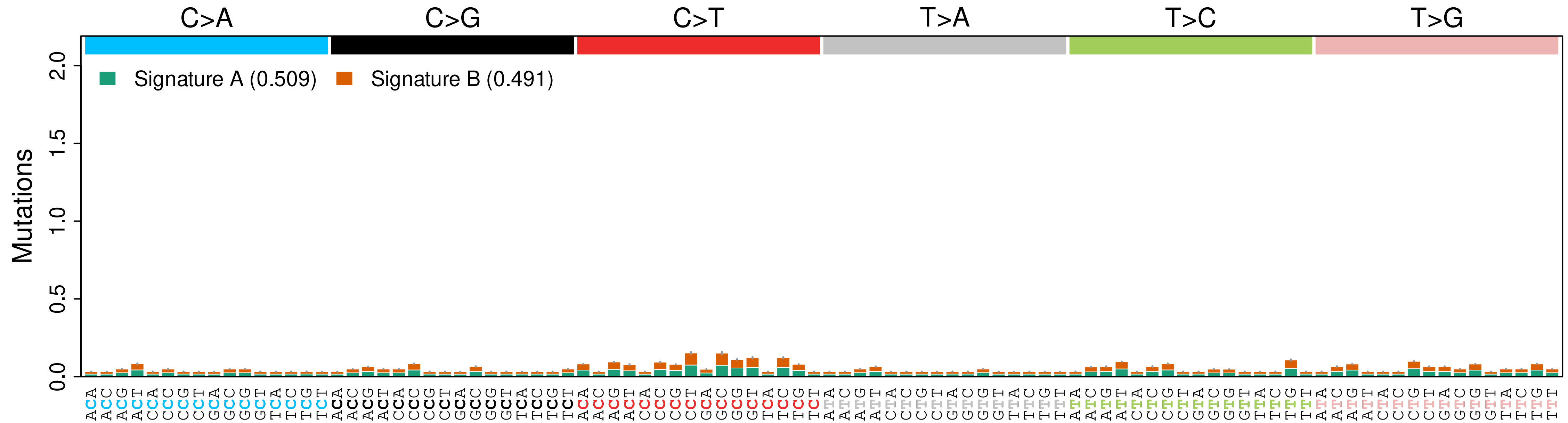
CATD0657a (7 mutations)



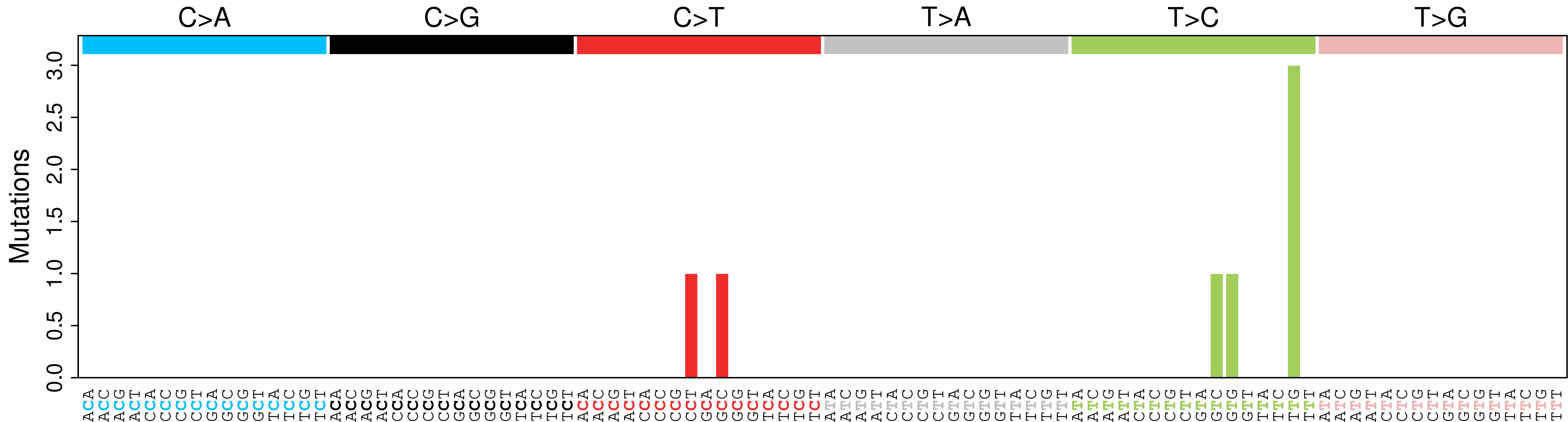
CATD0388a (4 mutations)



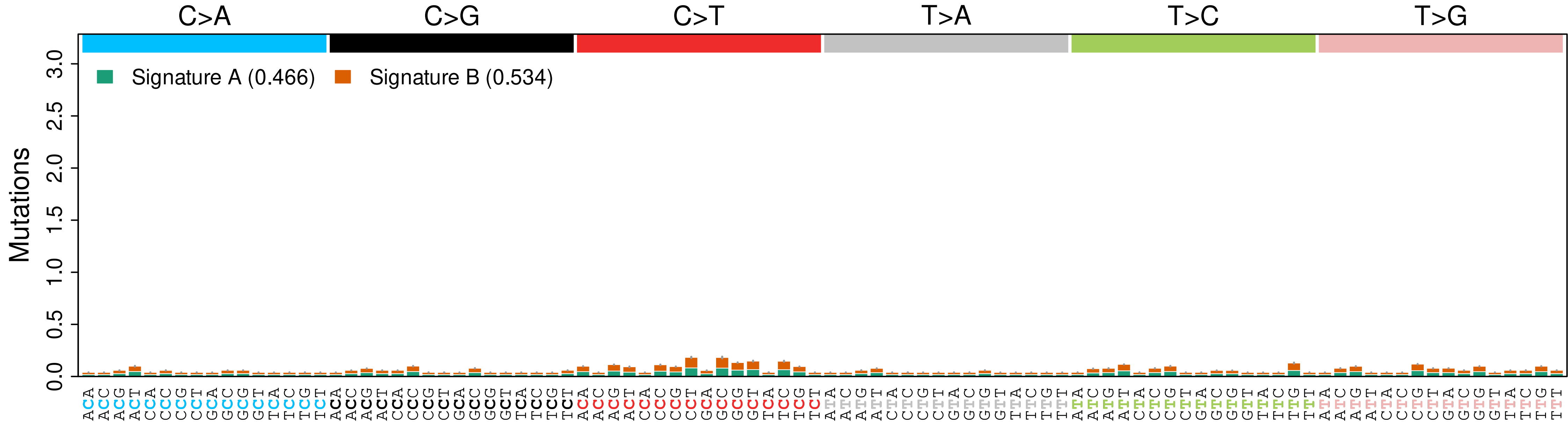
Reconstructed spectrum (cosine similarity = 0.197)



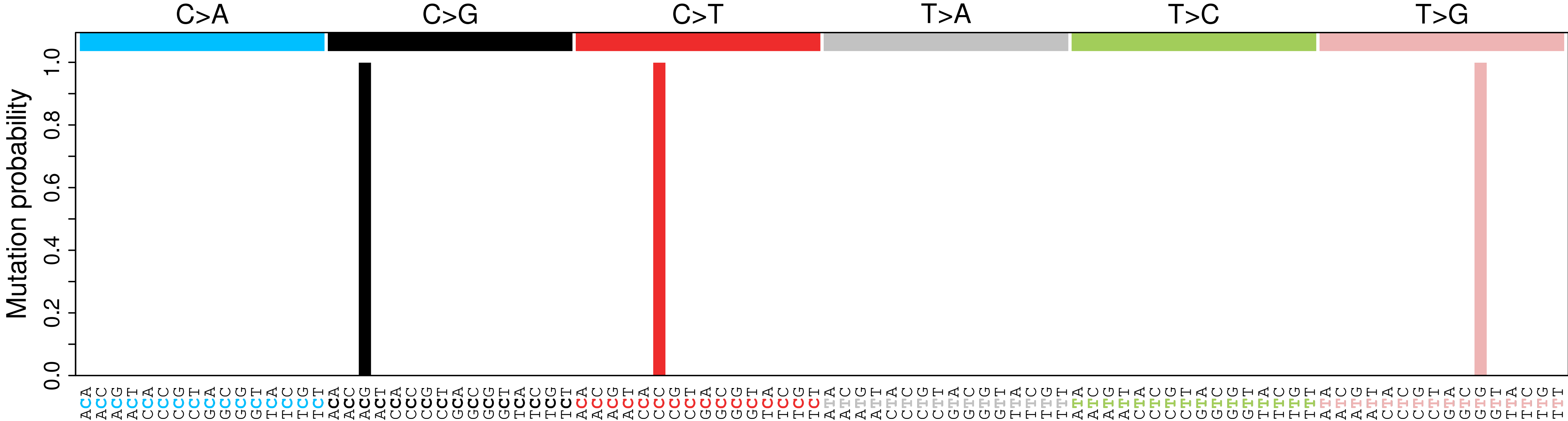
CATD0395a (7 mutations)



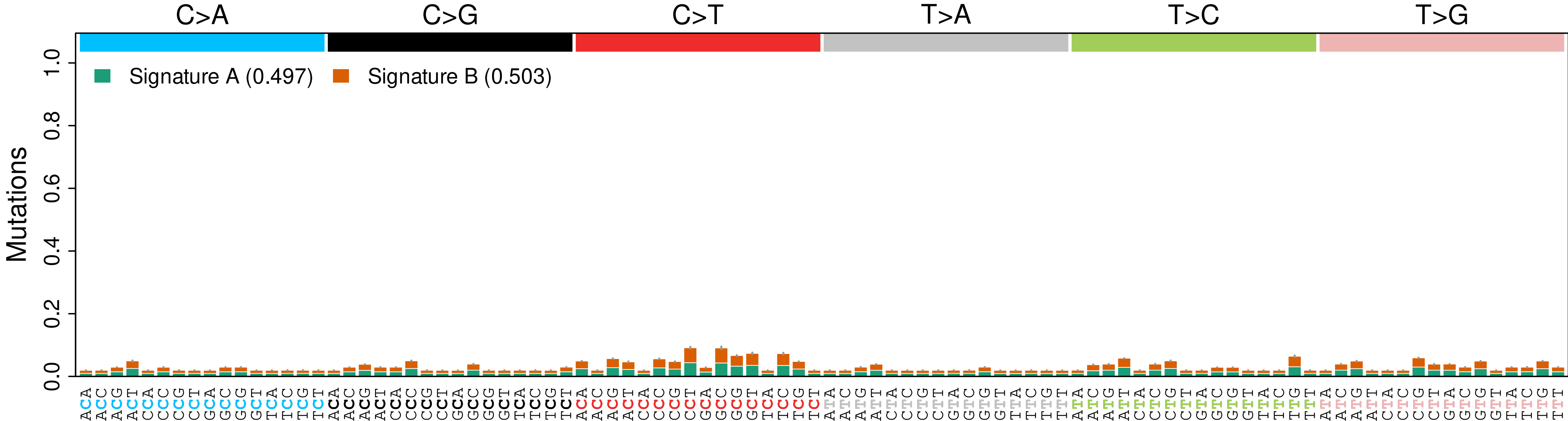
Reconstructed spectrum (cosine similarity = 0.347)



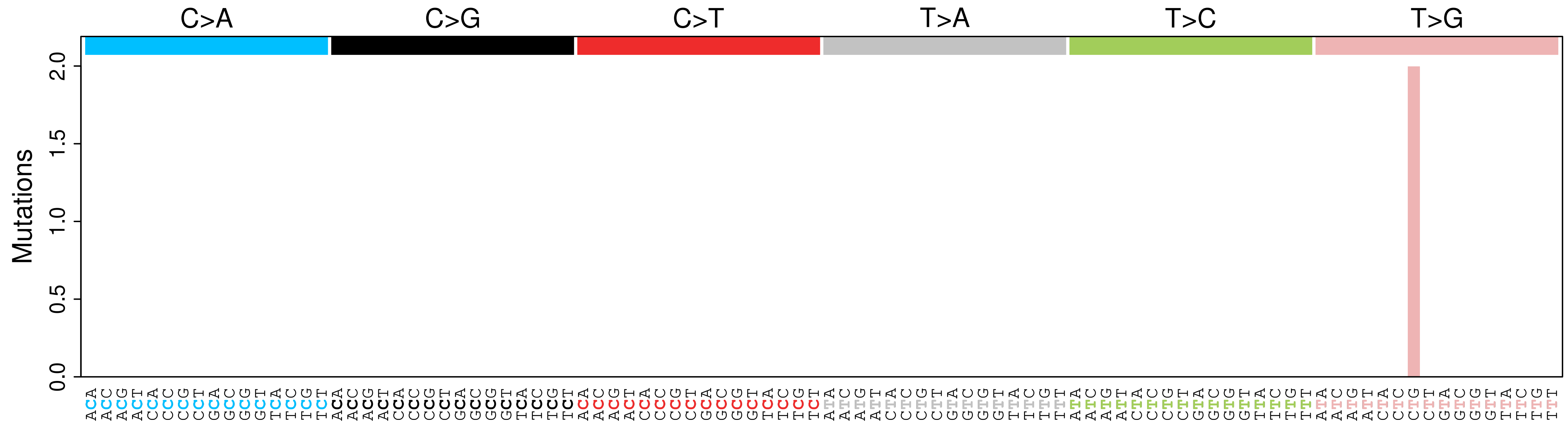
CATD0666a



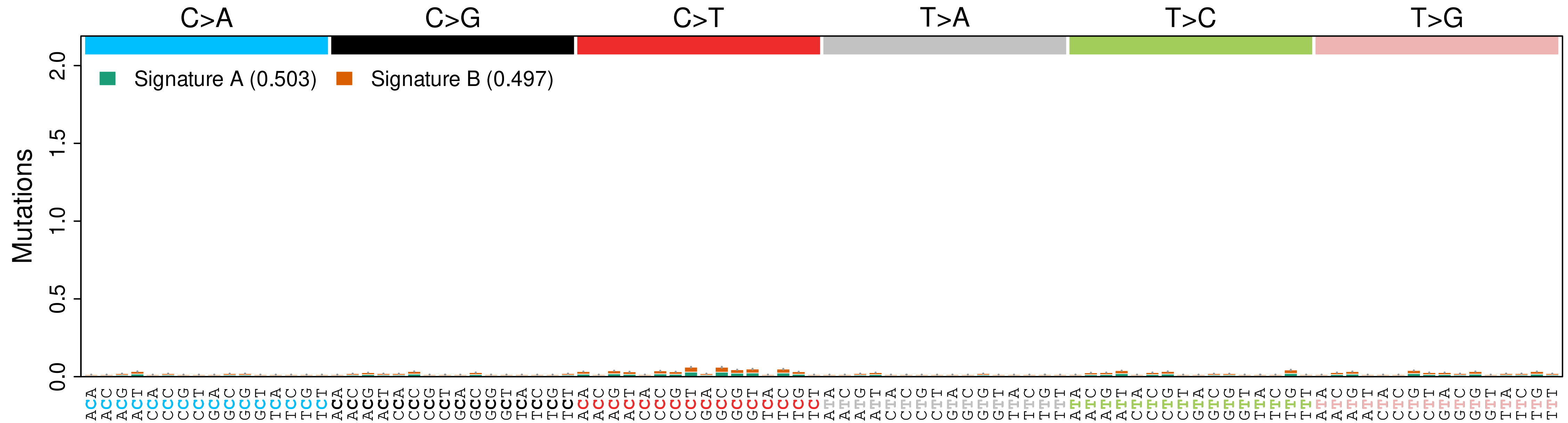
Reconstructed spectrum (cosine similarity = 0.239)



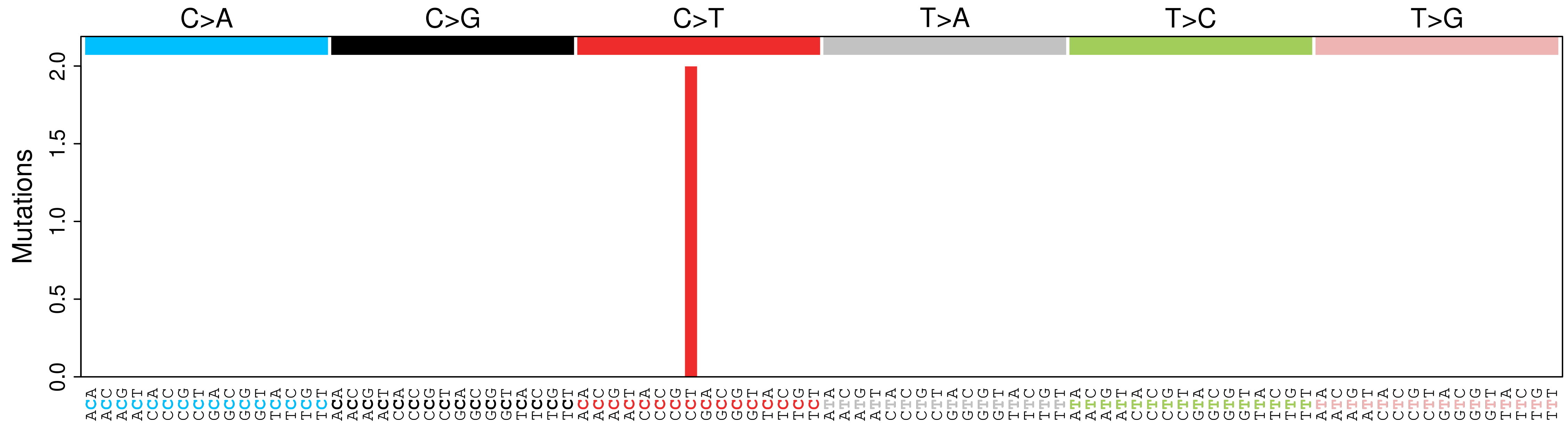
CATD0391a (2 mutations)



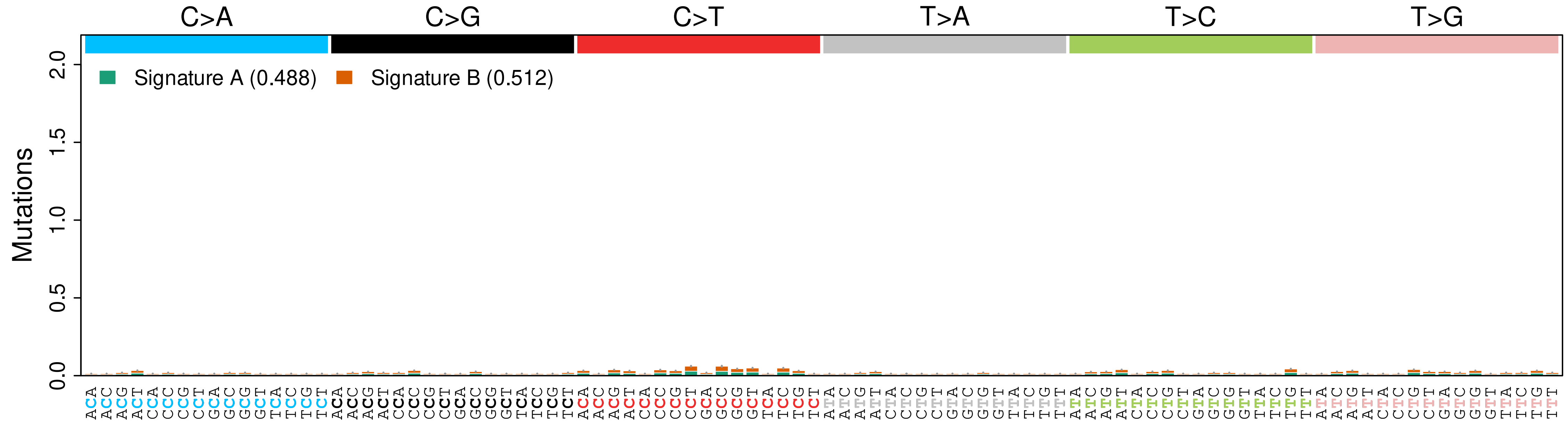
Reconstructed spectrum (cosine similarity = 0.171)



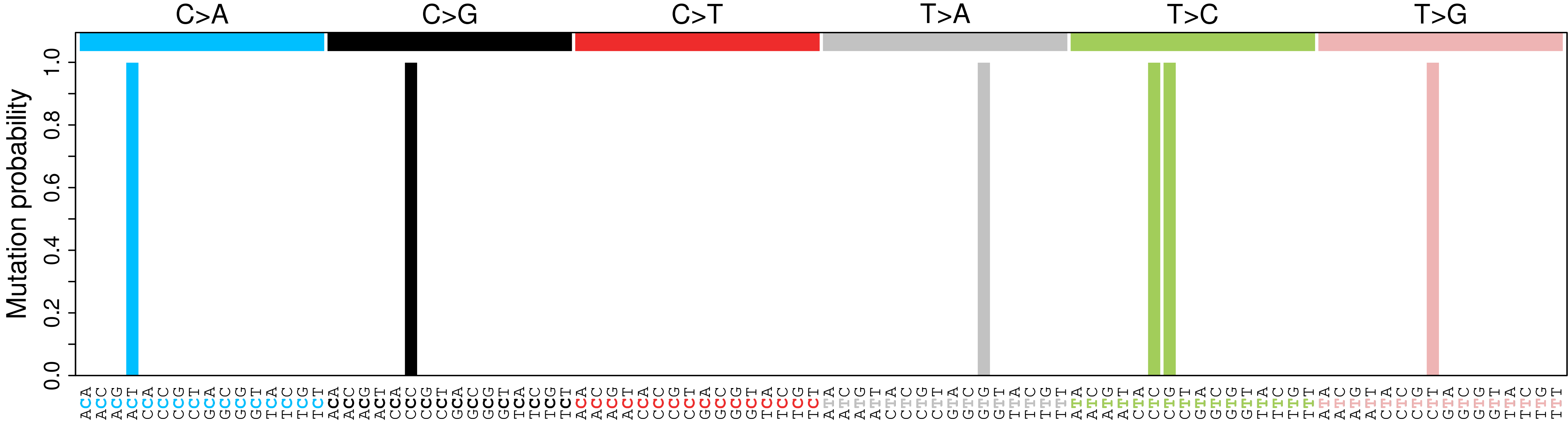
CATD0387a (2 mutations)



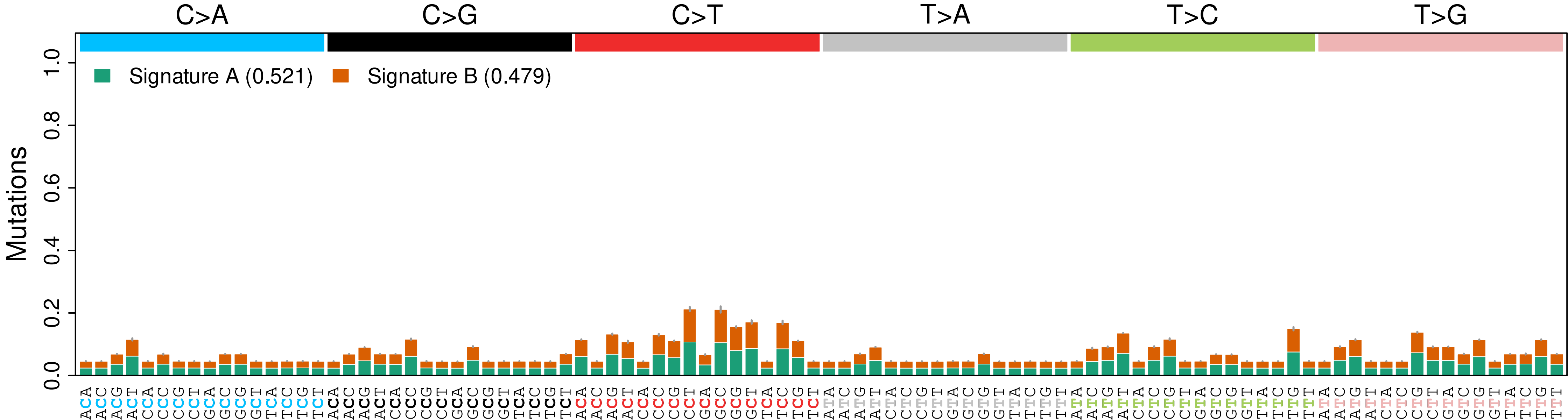
Reconstructed spectrum (cosine similarity = 0.264)



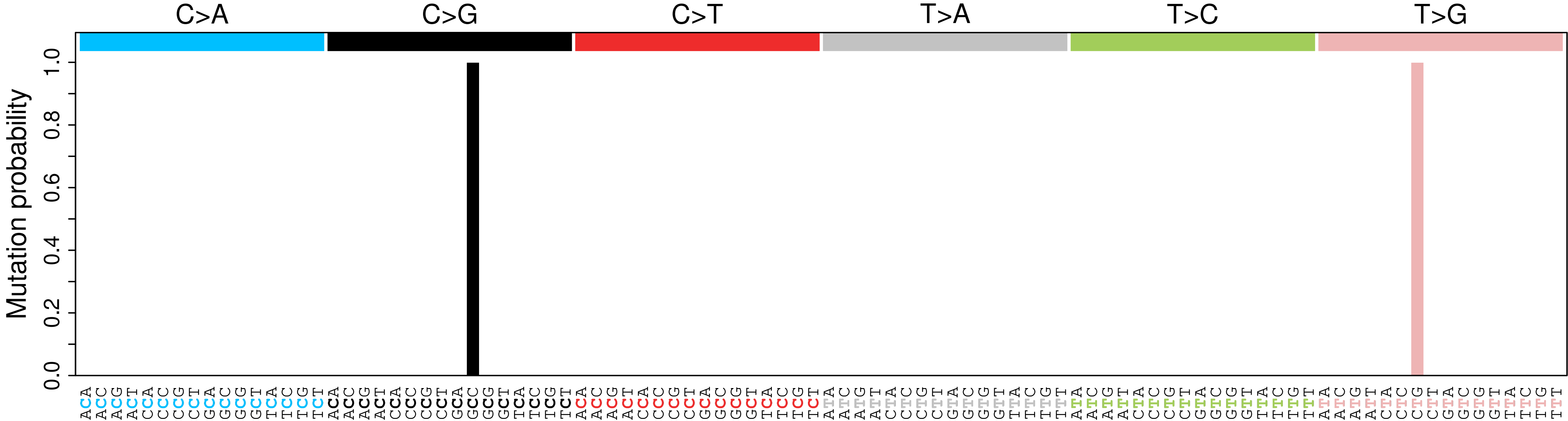
CATD0381a



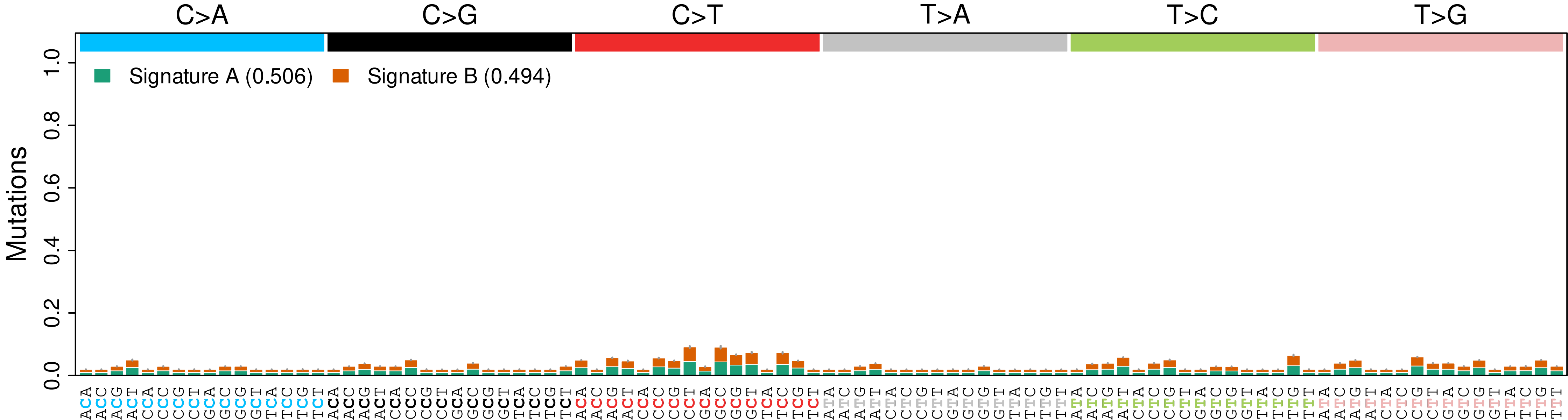
Reconstructed spectrum (cosine similarity = 0.303)



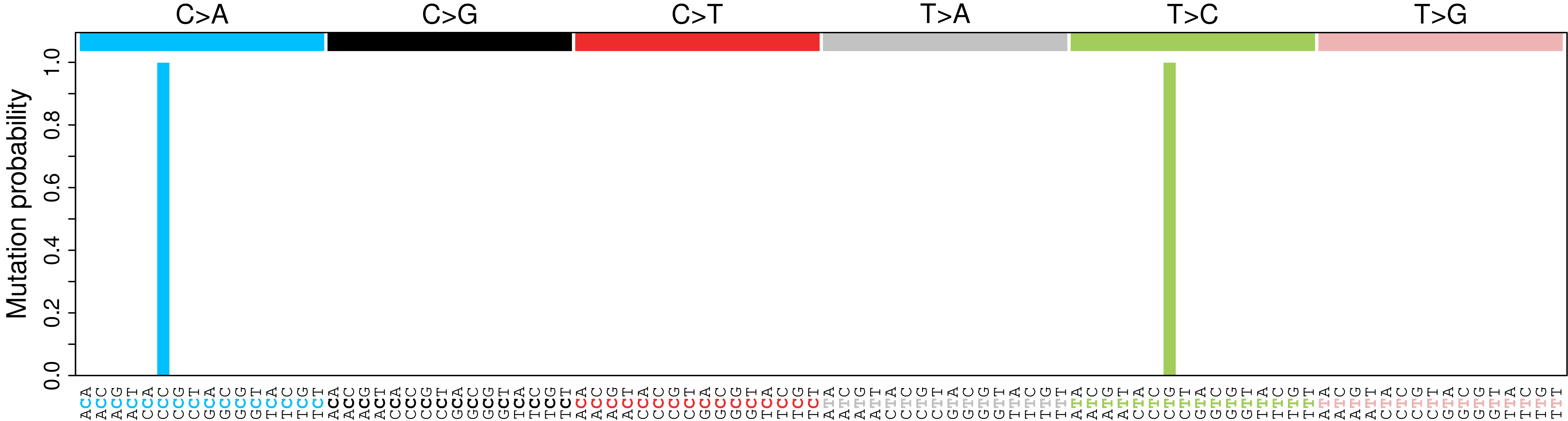
CATD0390a



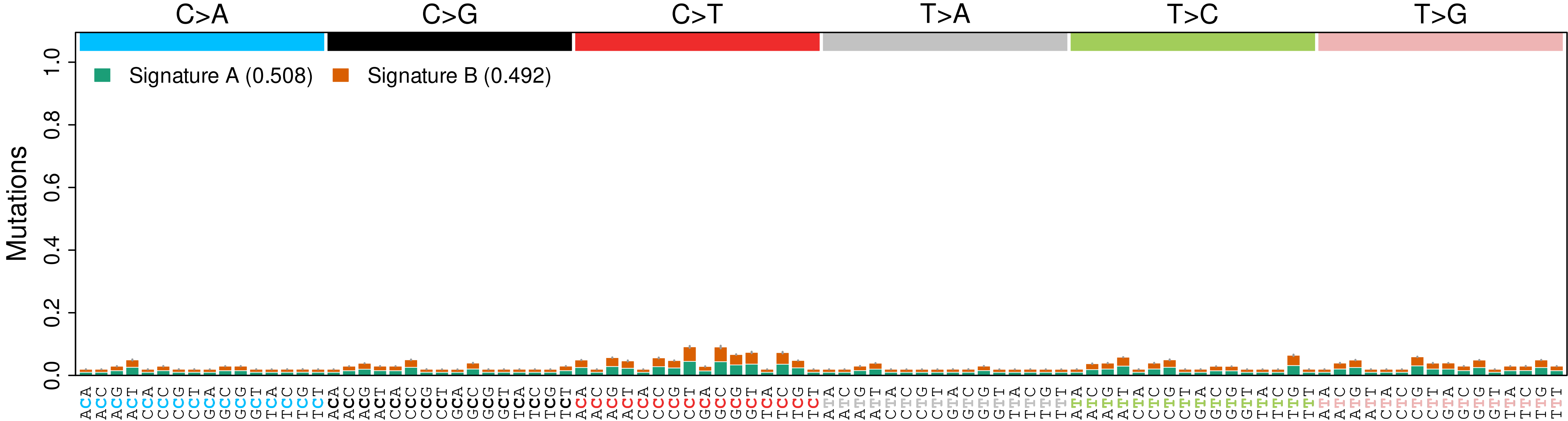
Reconstructed spectrum (cosine similarity = 0.201)

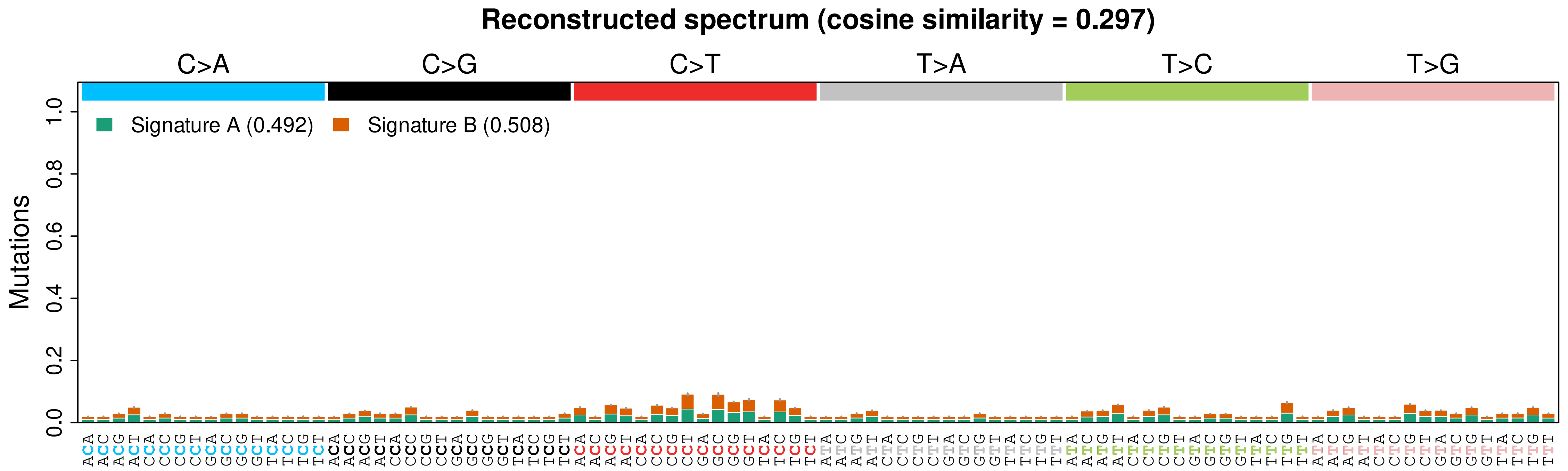
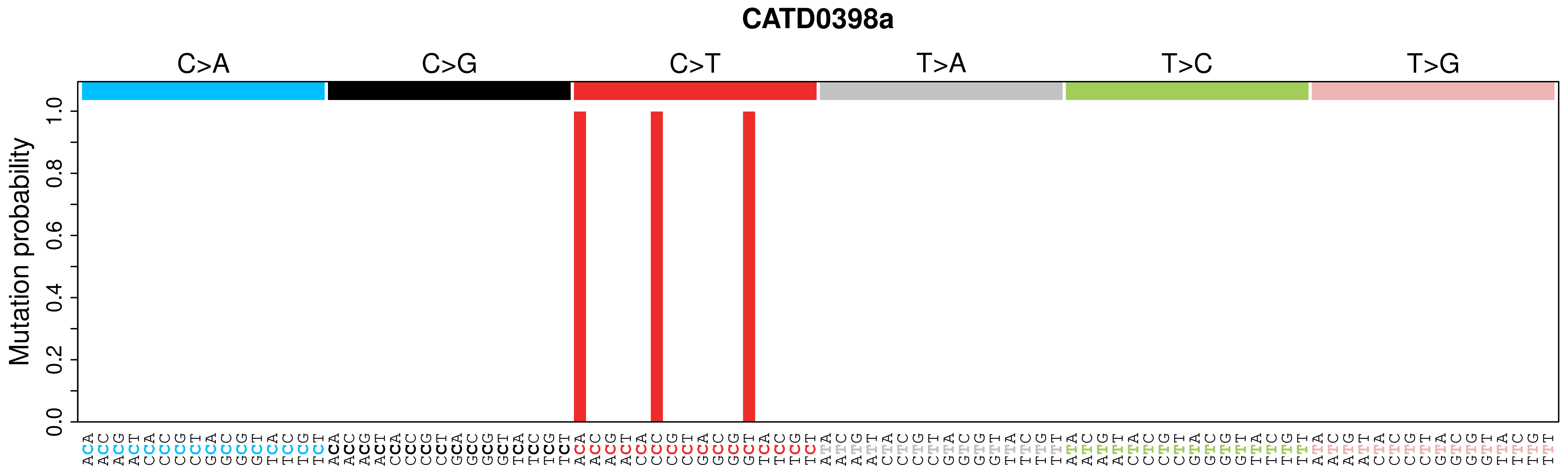


CATD0423a

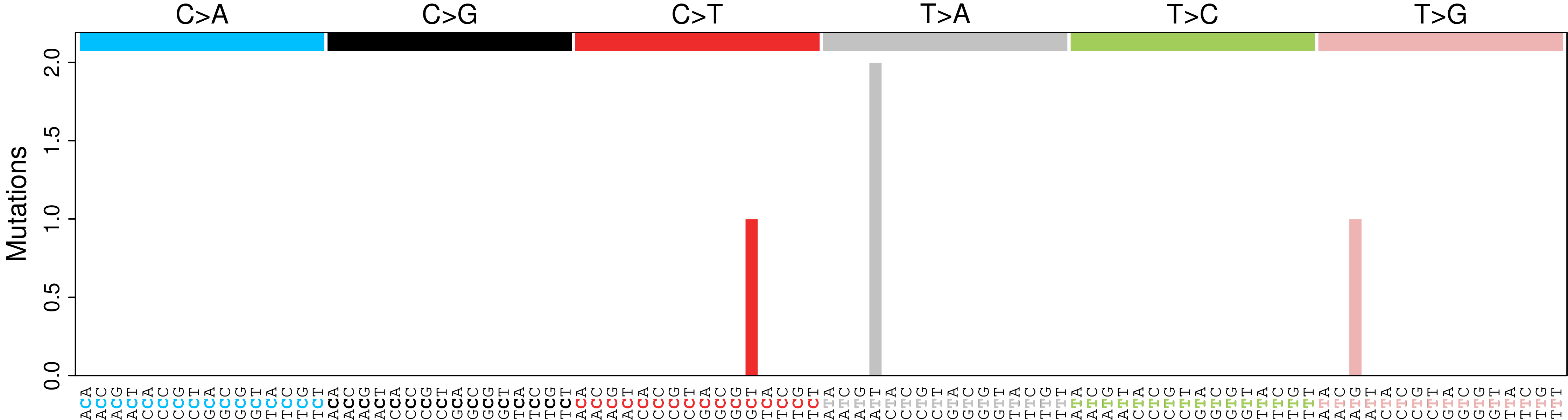


Reconstructed spectrum (cosine similarity = 0.161)

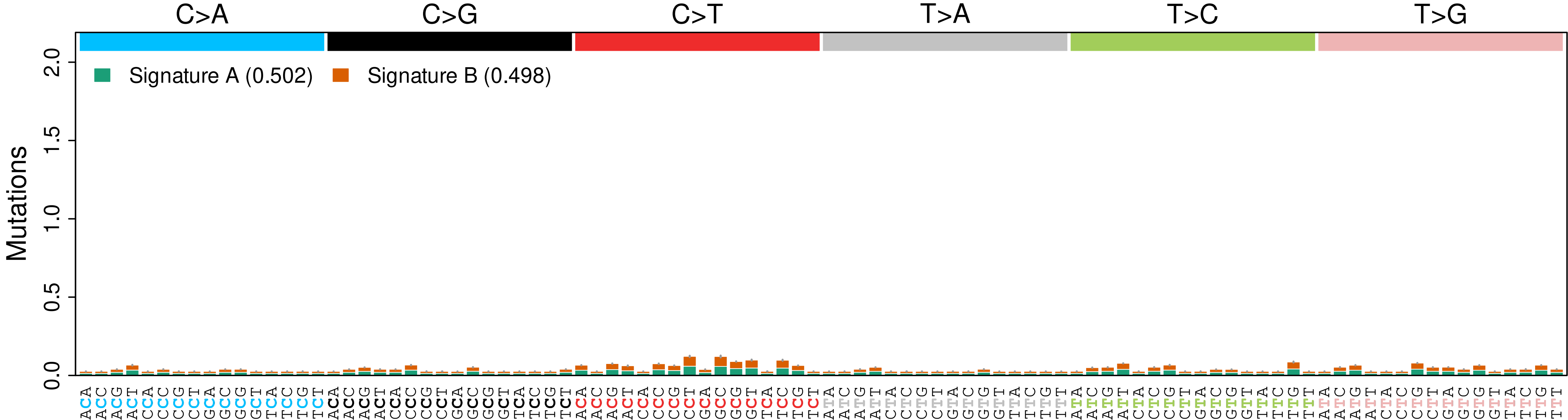




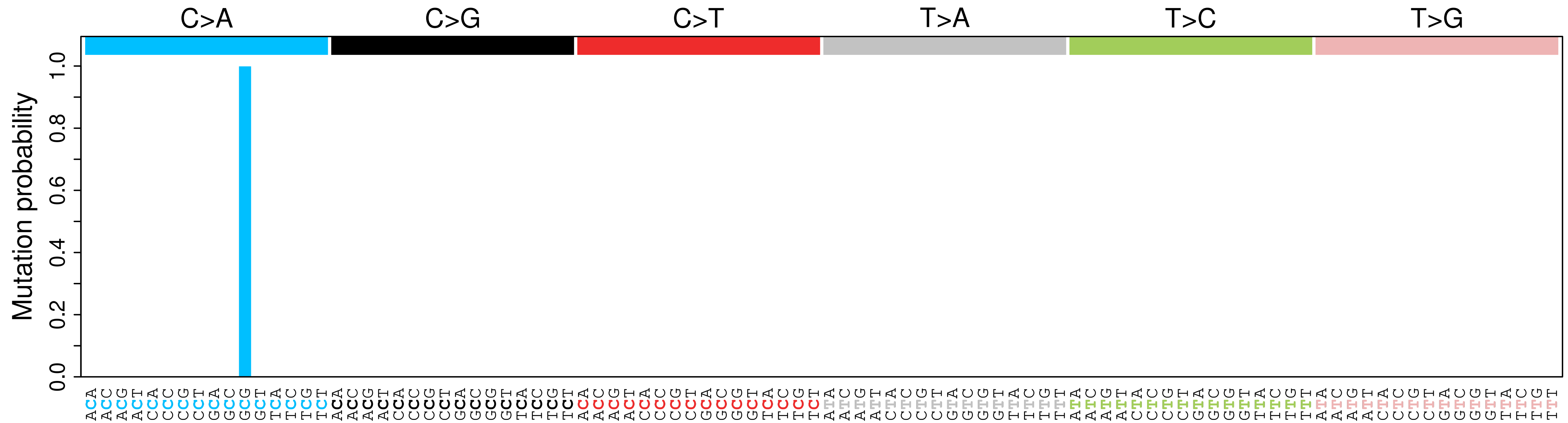
CATD0428a (4 mutations)



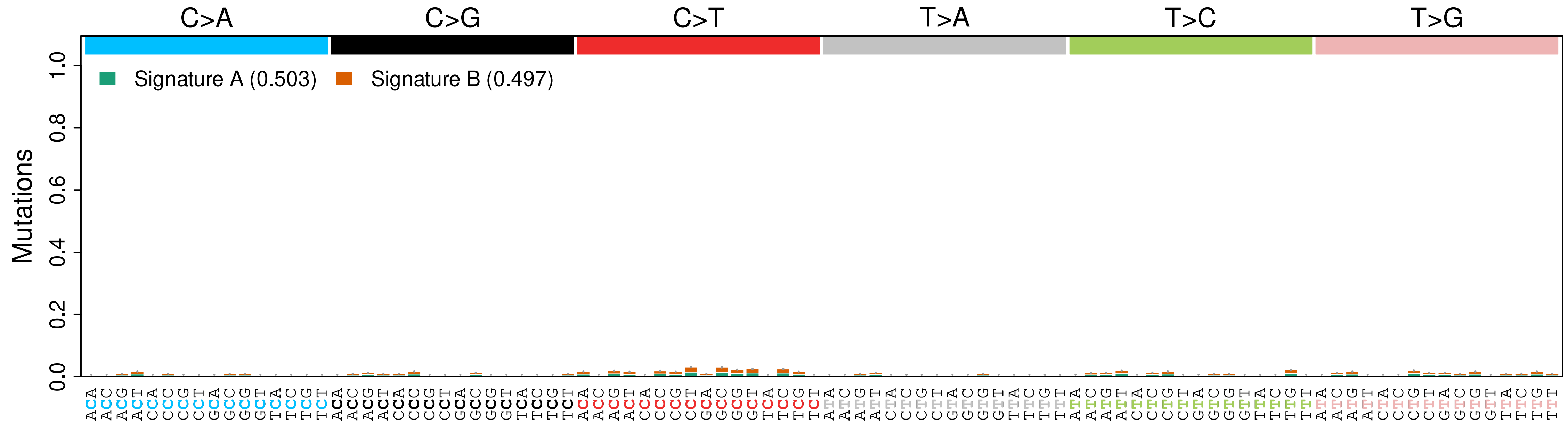
Reconstructed spectrum (cosine similarity = 0.236)

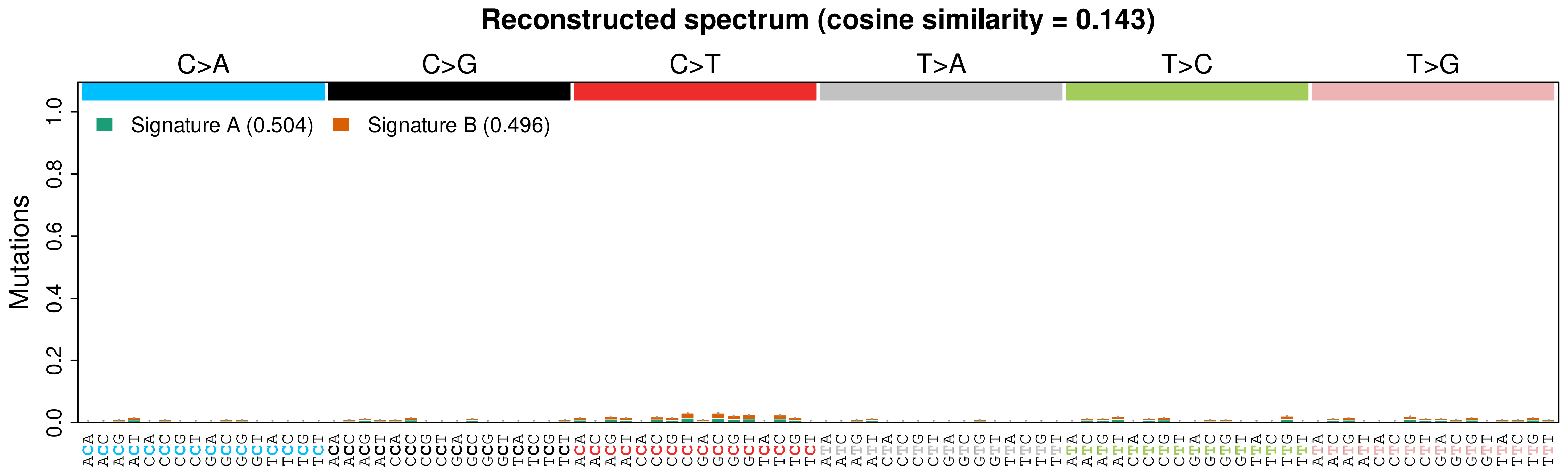
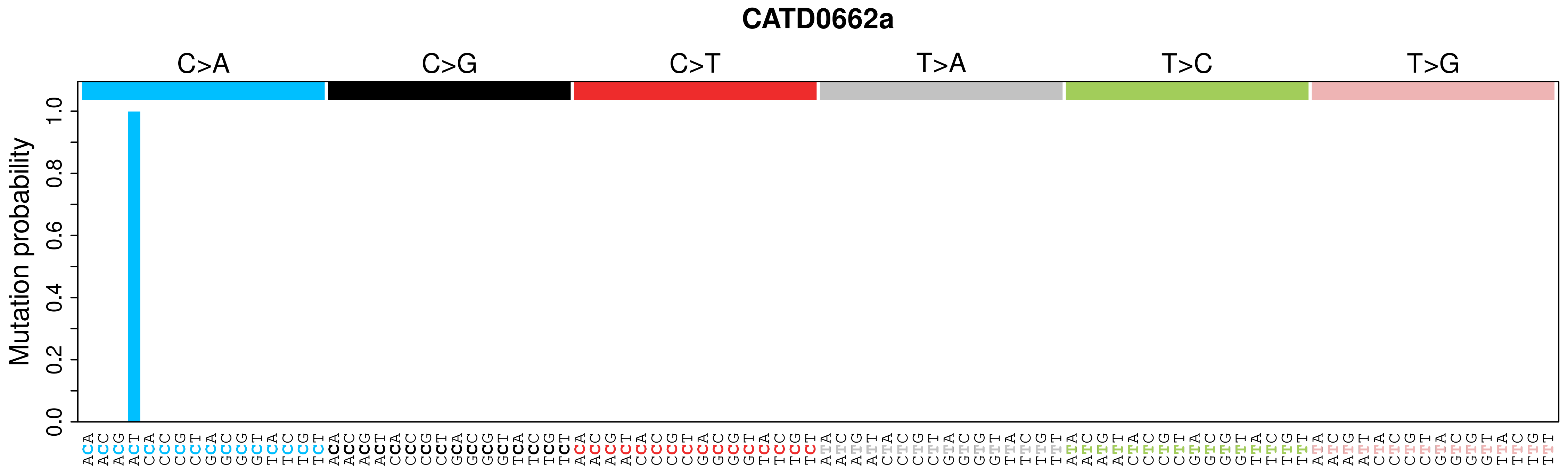


CATD0380a

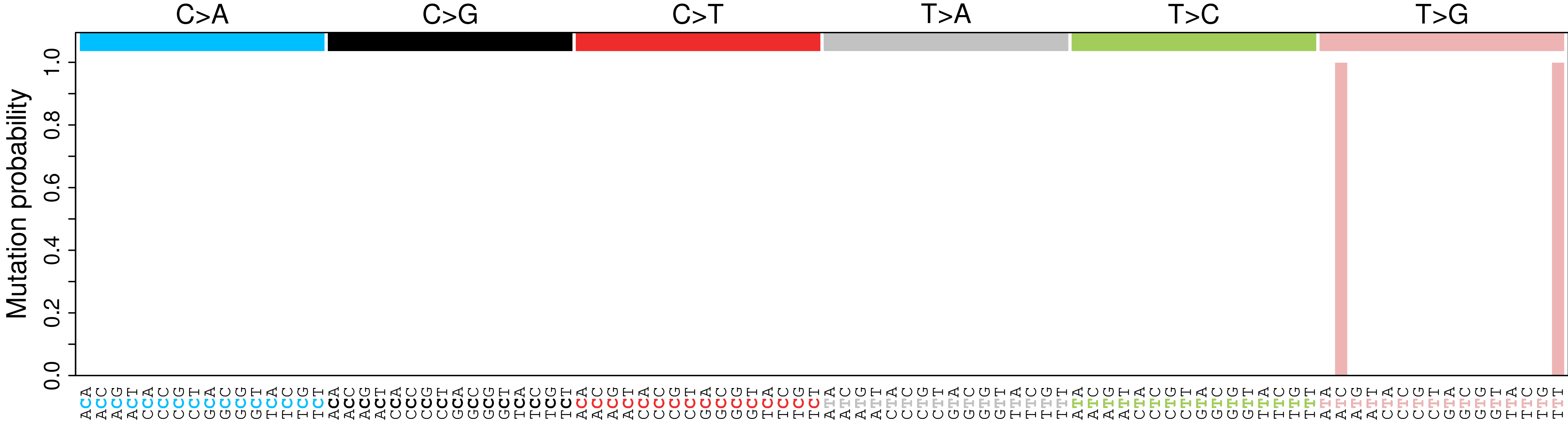


Reconstructed spectrum (cosine similarity = 0.085)

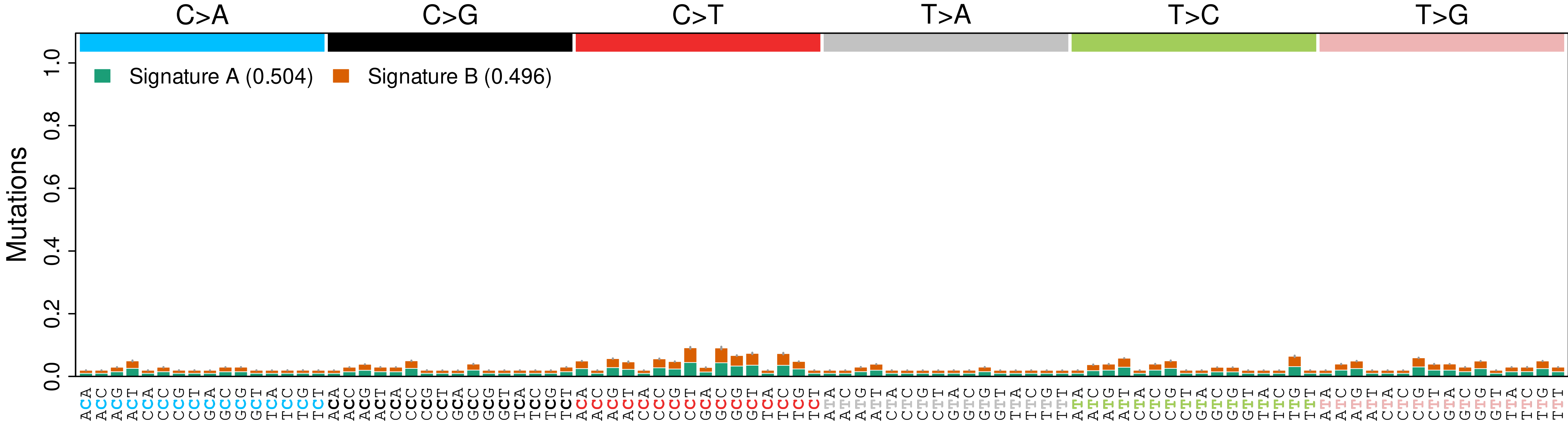




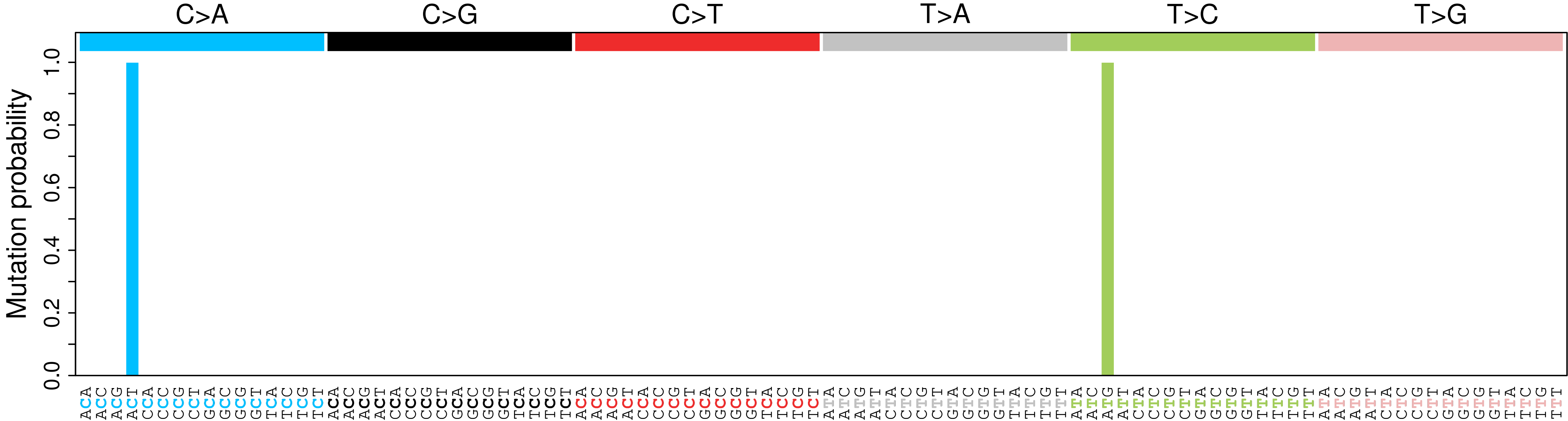
CATD0399a



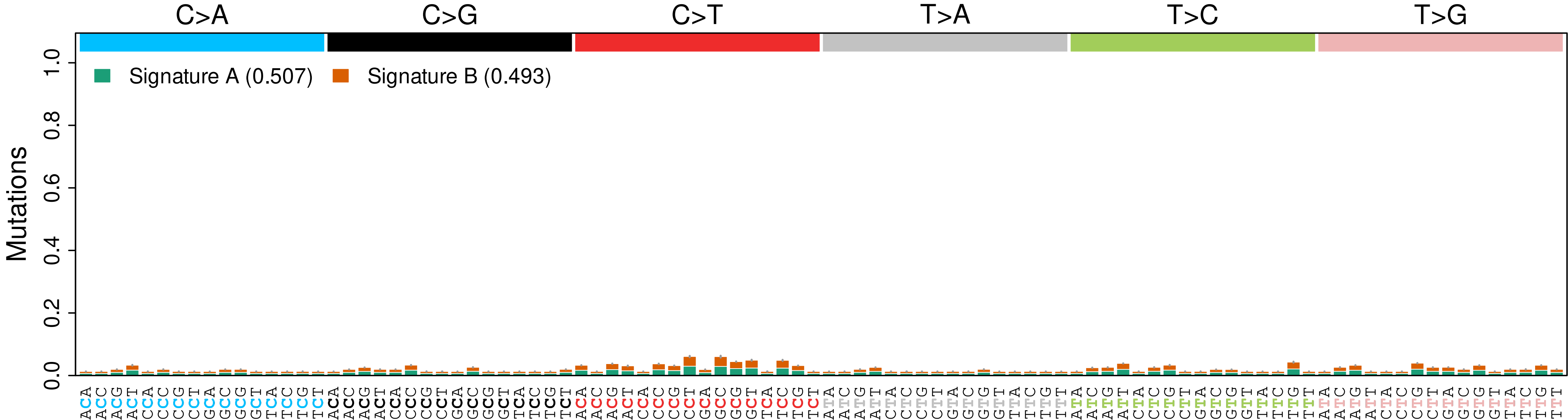
Reconstructed spectrum (cosine similarity = 0.14)



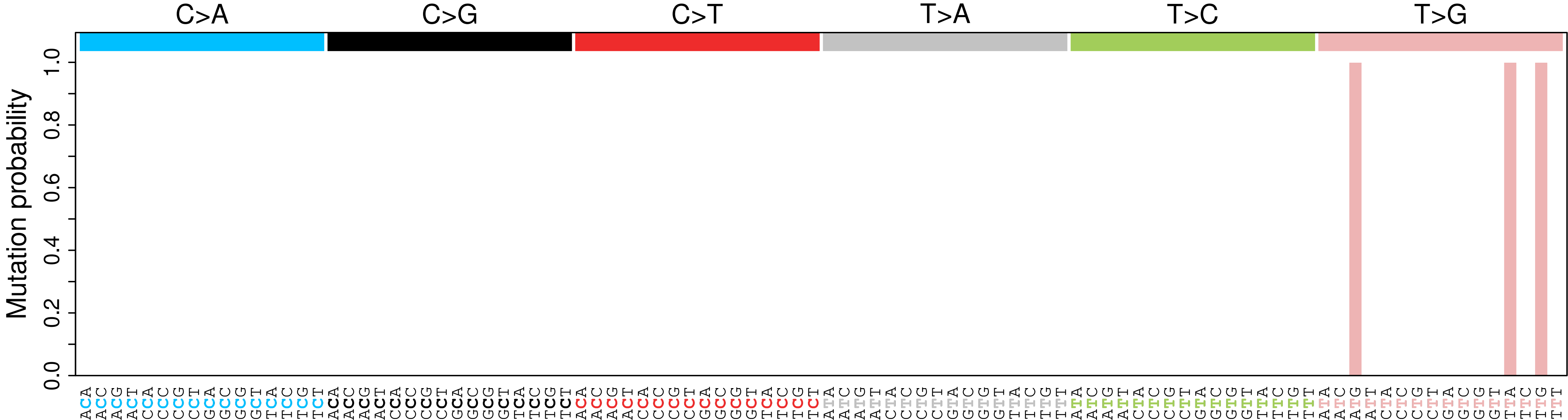
CATD0659a



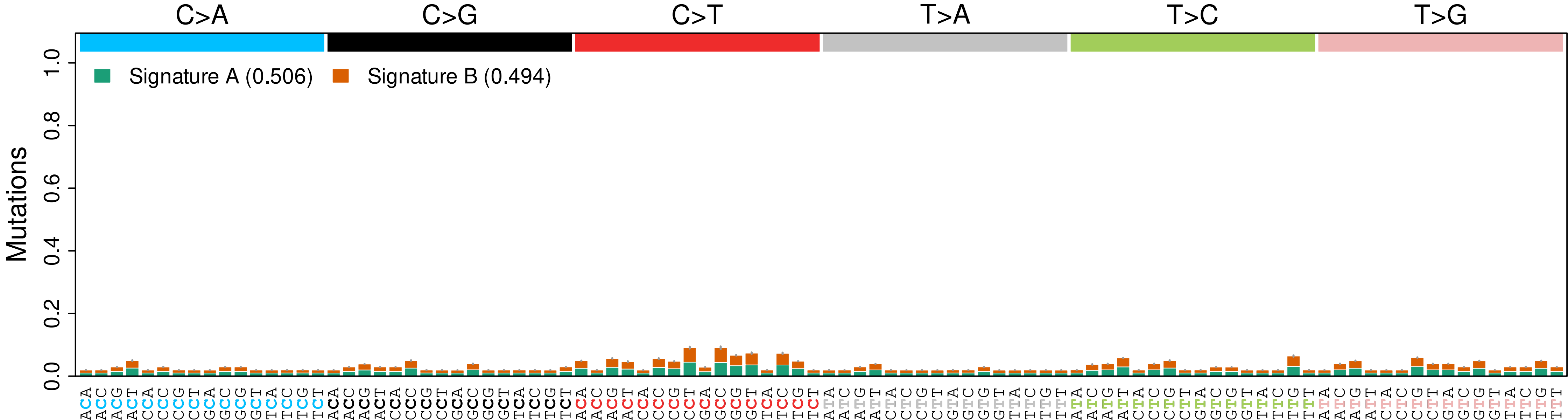
Reconstructed spectrum (cosine similarity = 0.181)



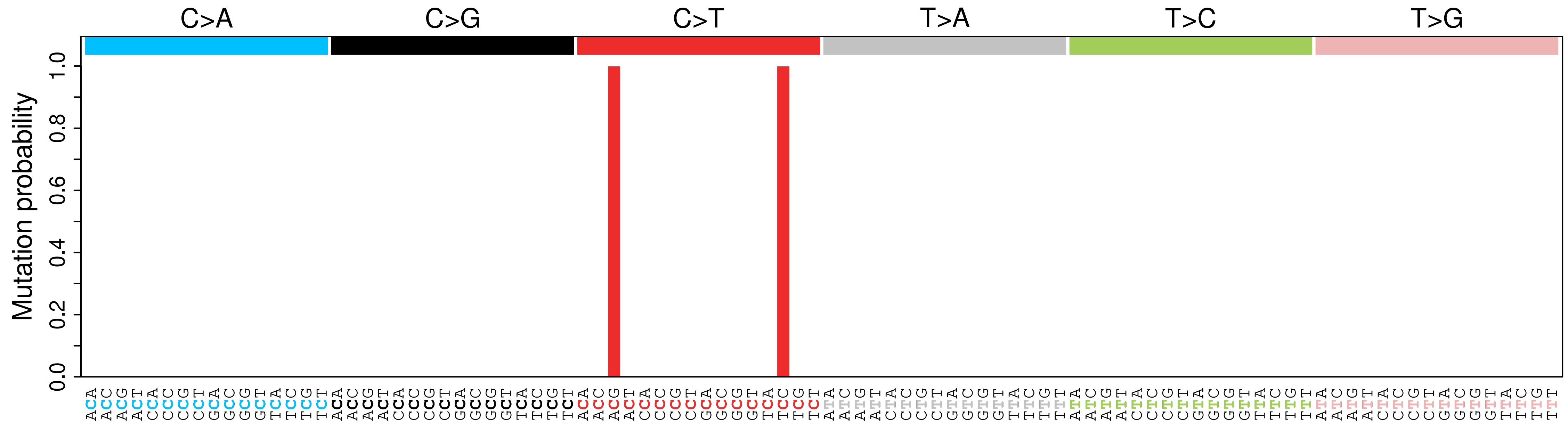
CATD0389a



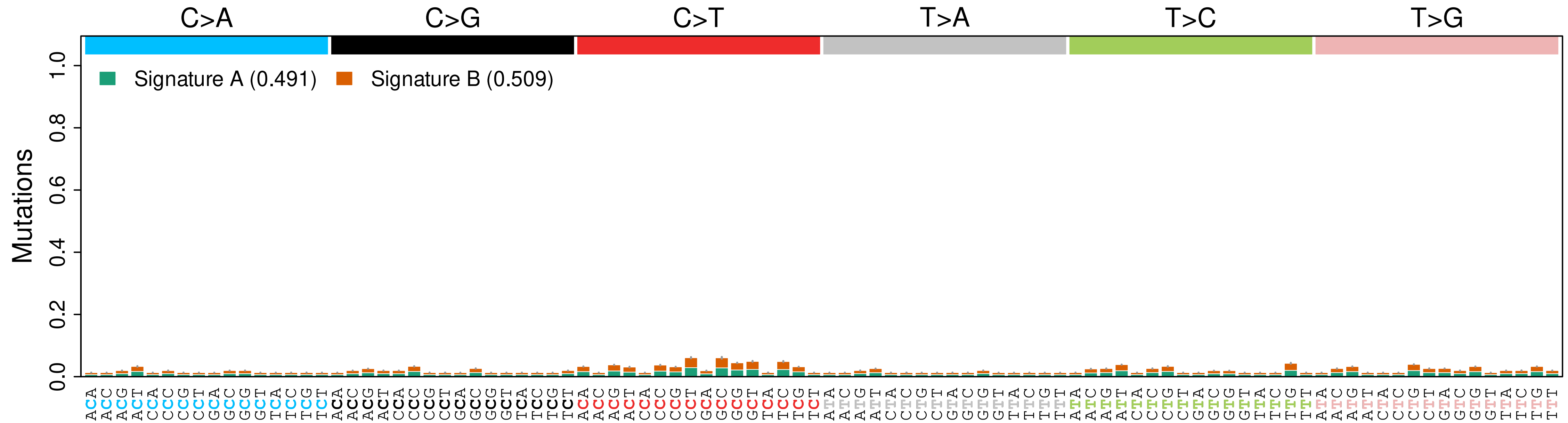
Reconstructed spectrum (cosine similarity = 0.213)



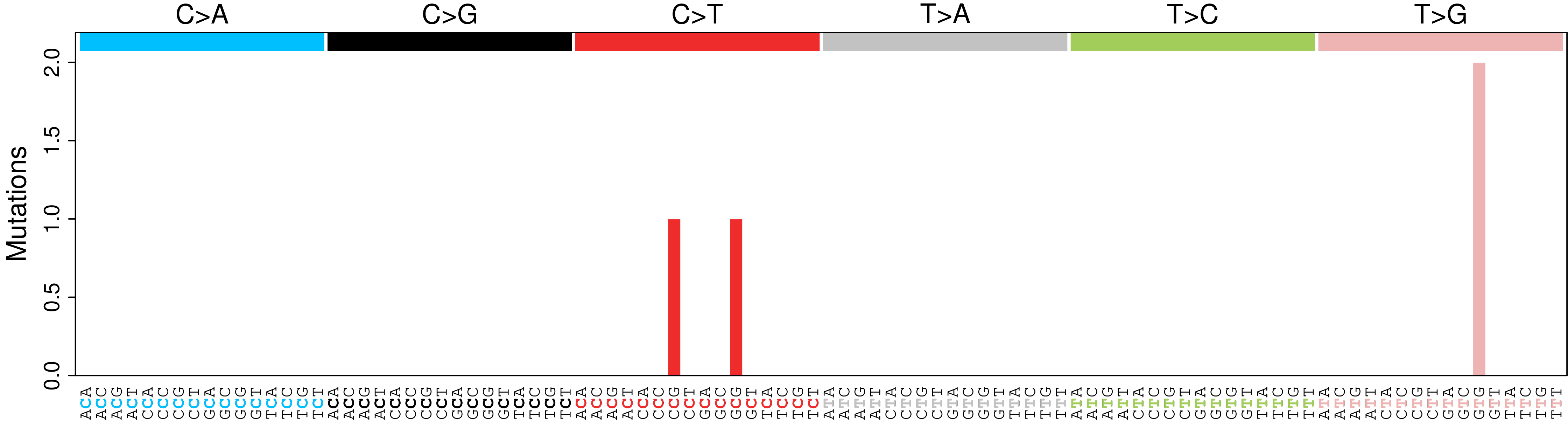
CATD0658a



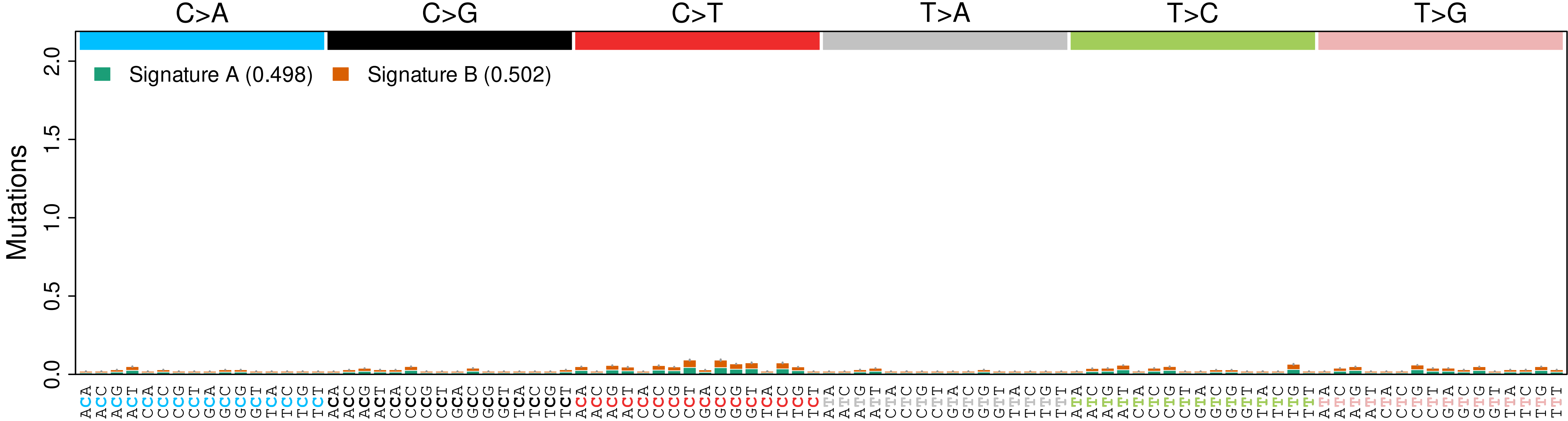
Reconstructed spectrum (cosine similarity = 0.265)



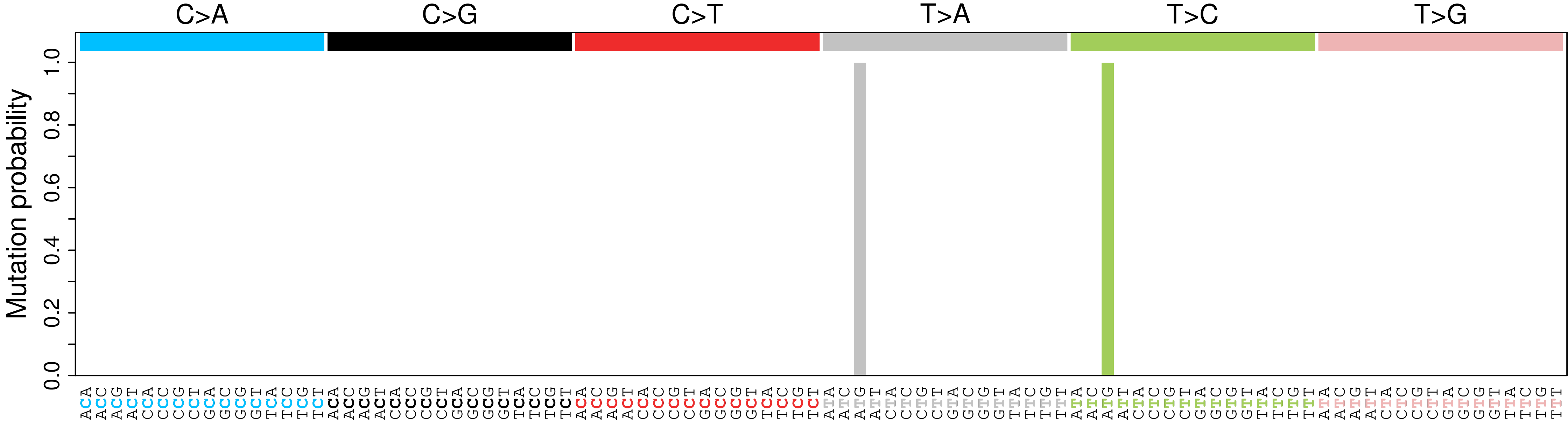
CATD0665a (4 mutations)



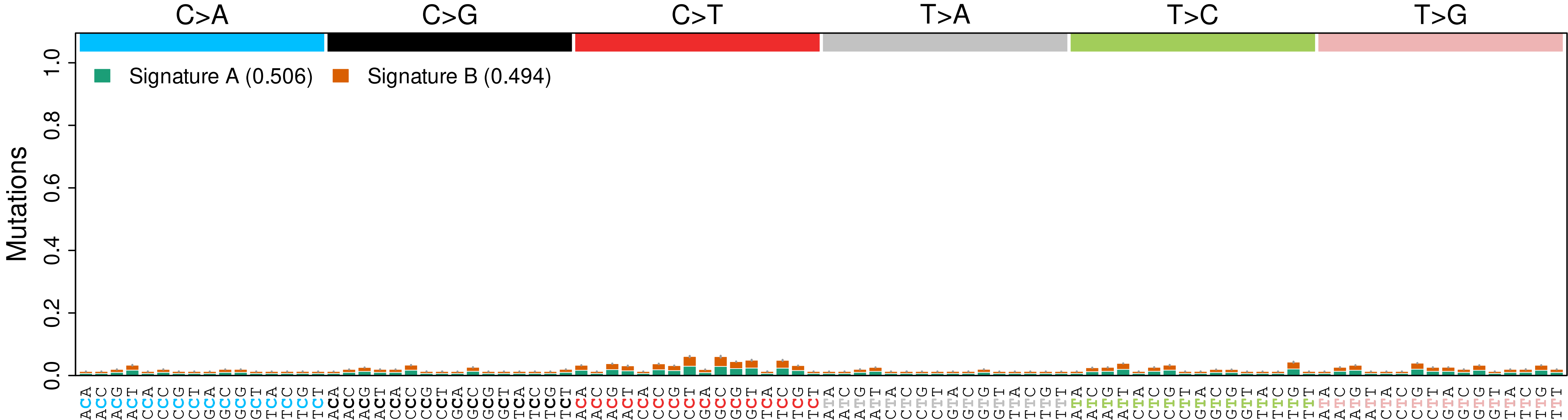
Reconstructed spectrum (cosine similarity = 0.249)



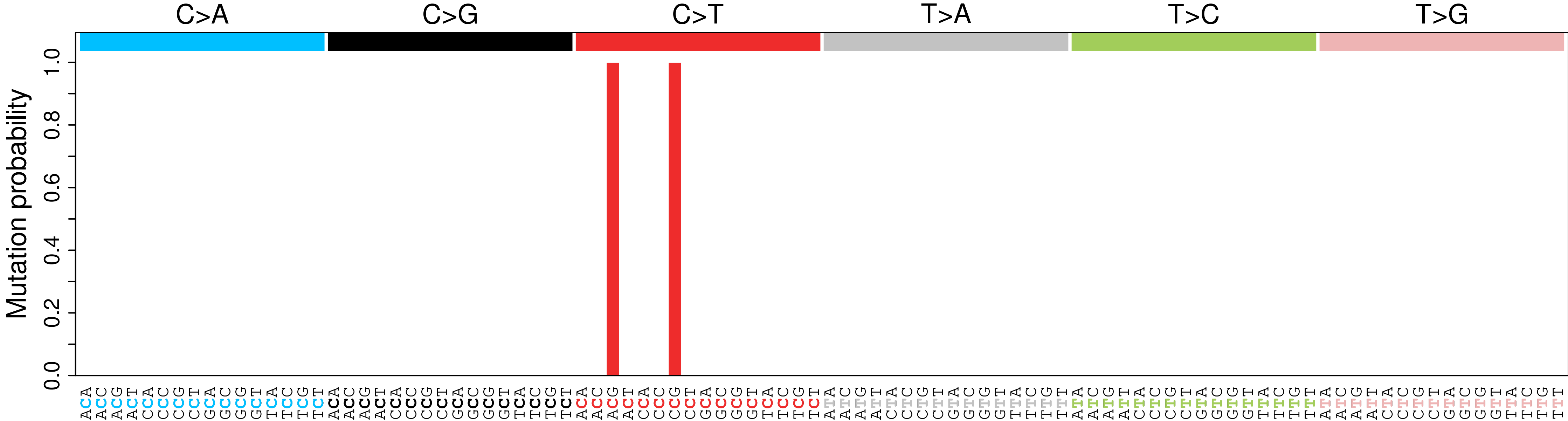
CATD0422a



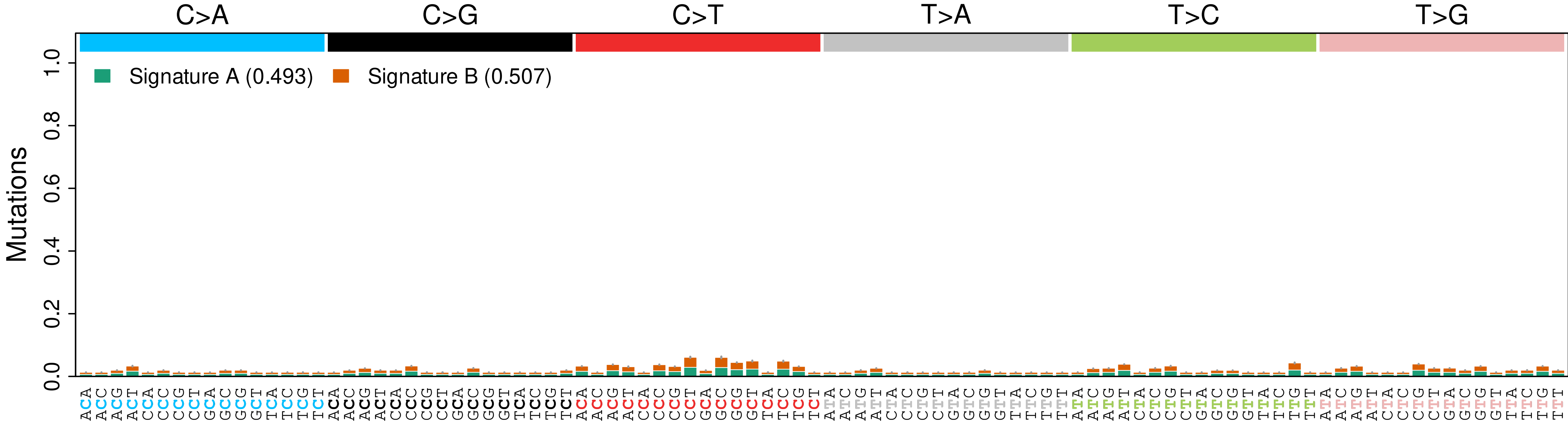
Reconstructed spectrum (cosine similarity = 0.14)



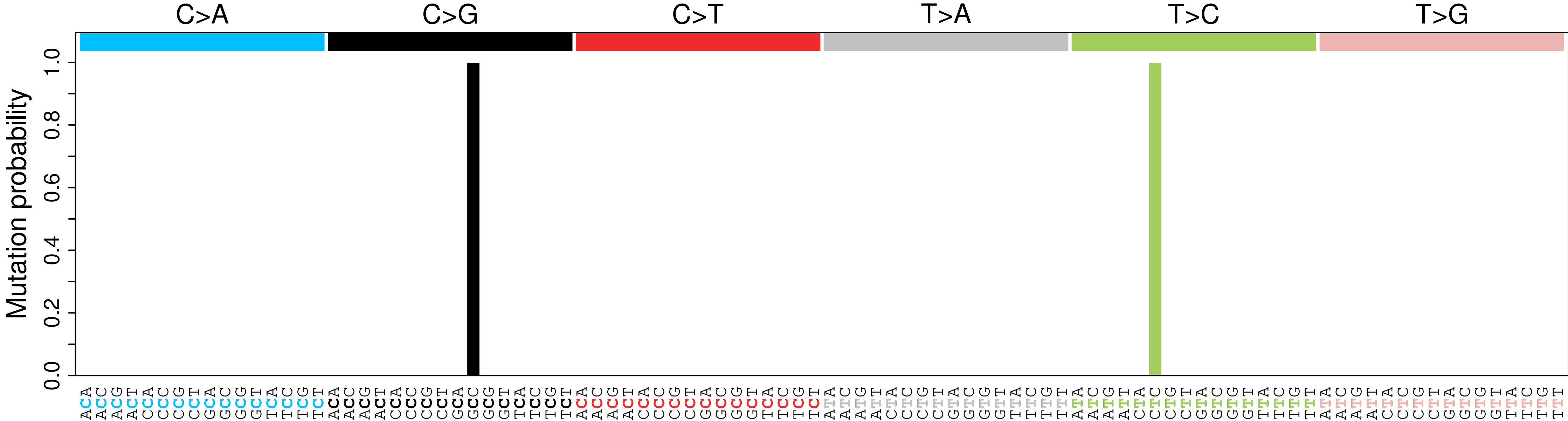
CATD0392a



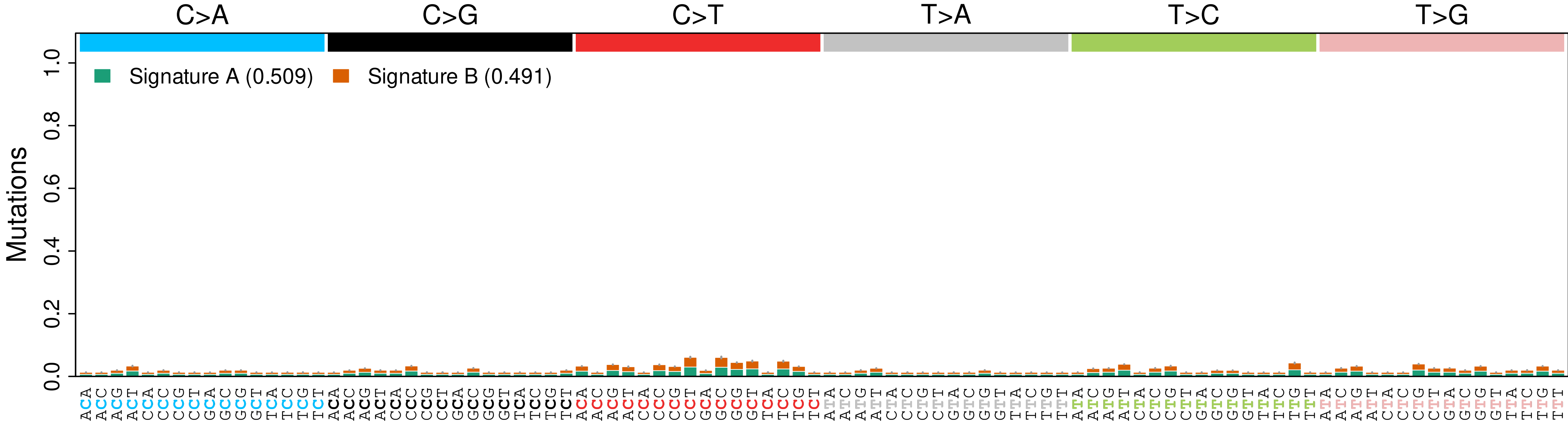
Reconstructed spectrum (cosine similarity = 0.213)



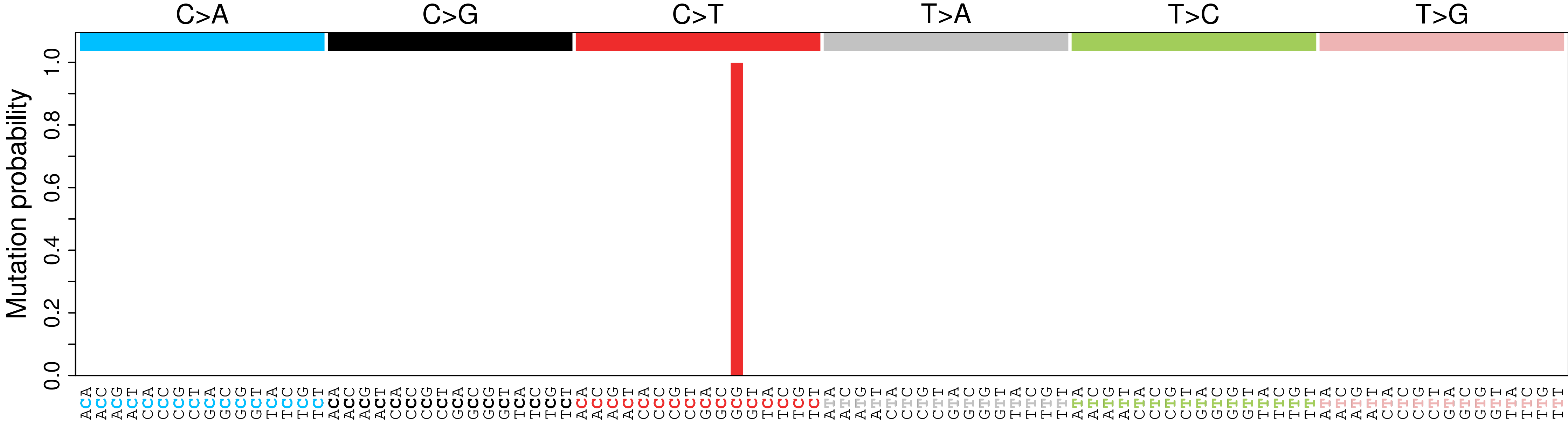
CATD0661a



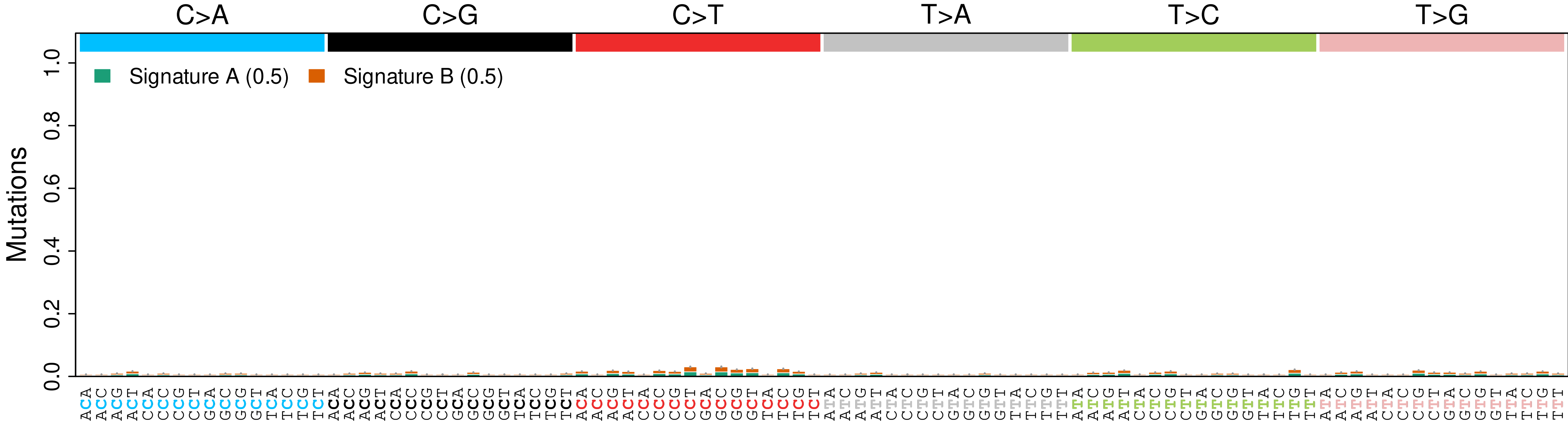
Reconstructed spectrum (cosine similarity = 0.161)



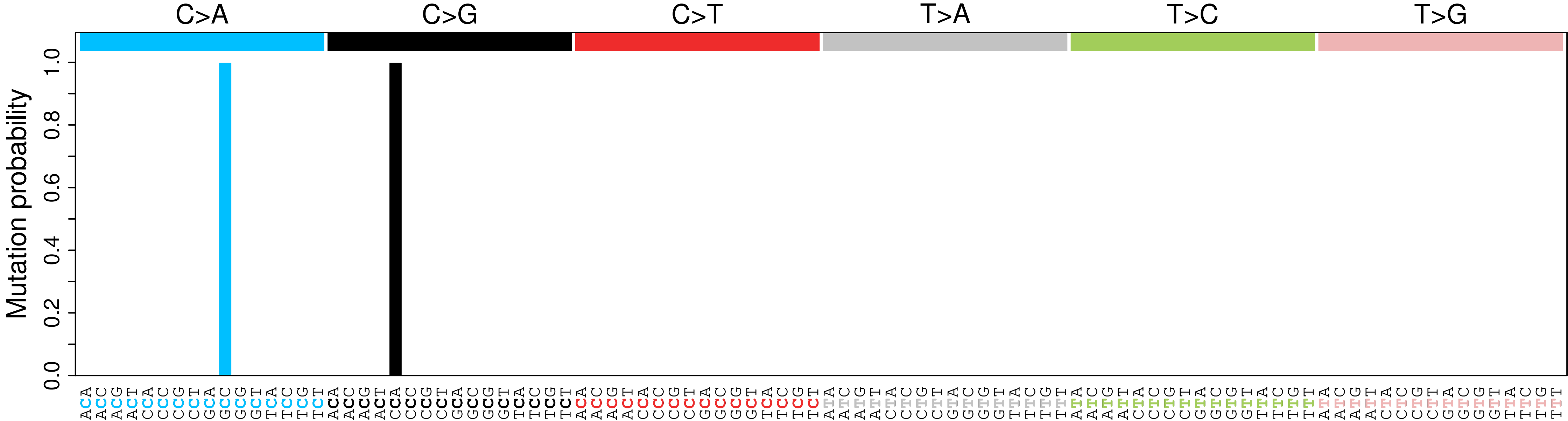
CATD0424a



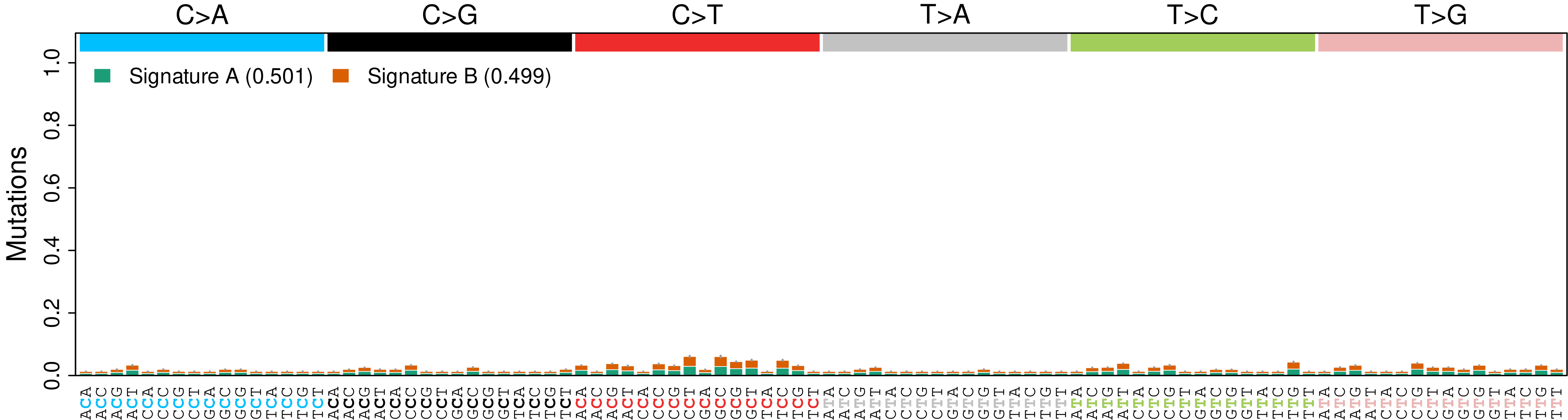
Reconstructed spectrum (cosine similarity = 0.192)



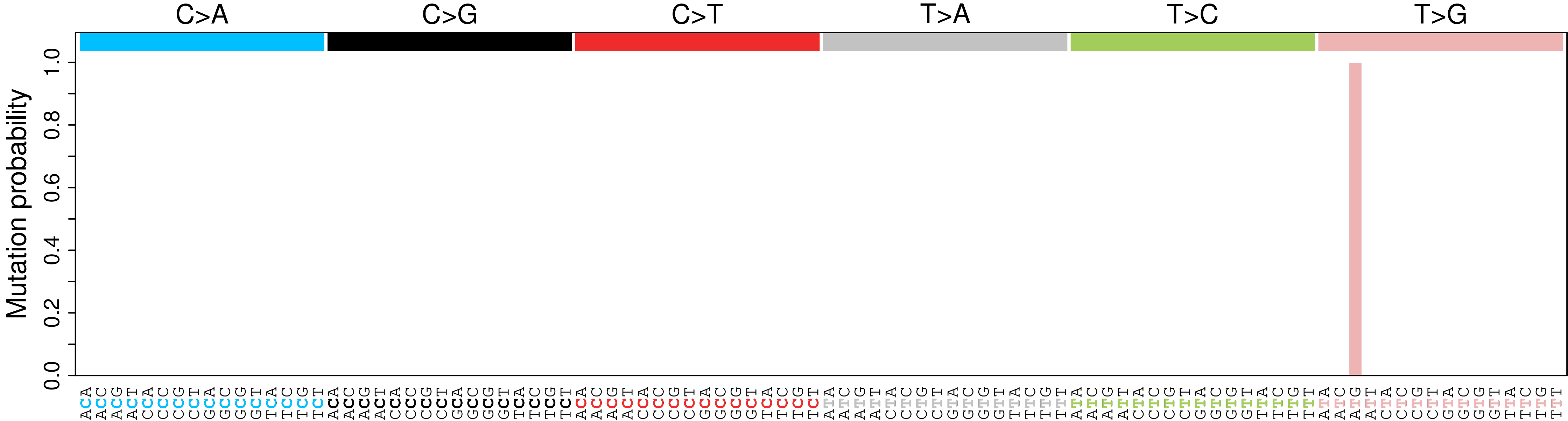
CATD0426a



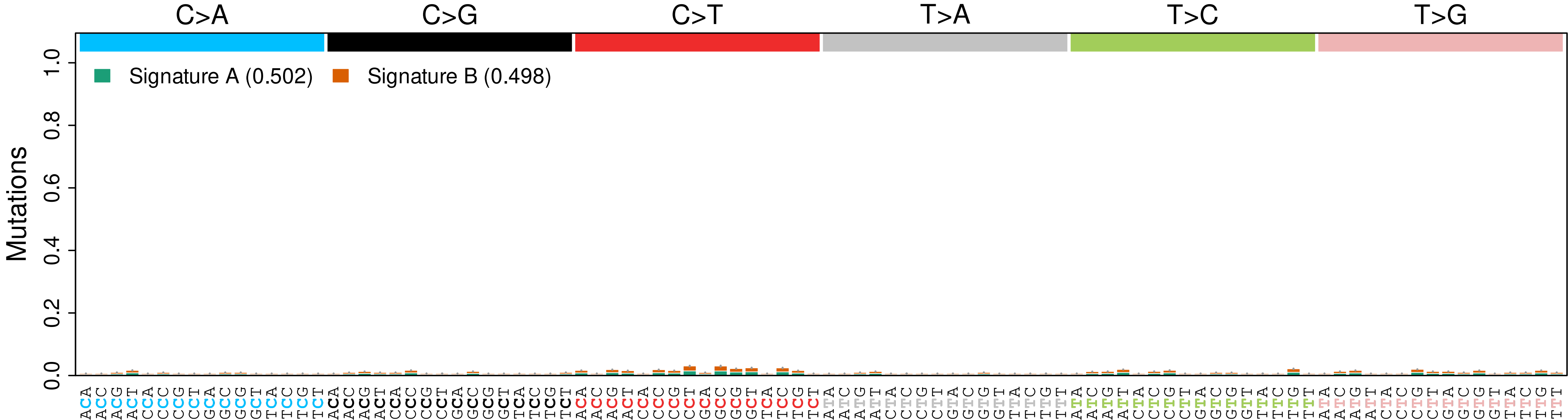
Reconstructed spectrum (cosine similarity = 0.12)



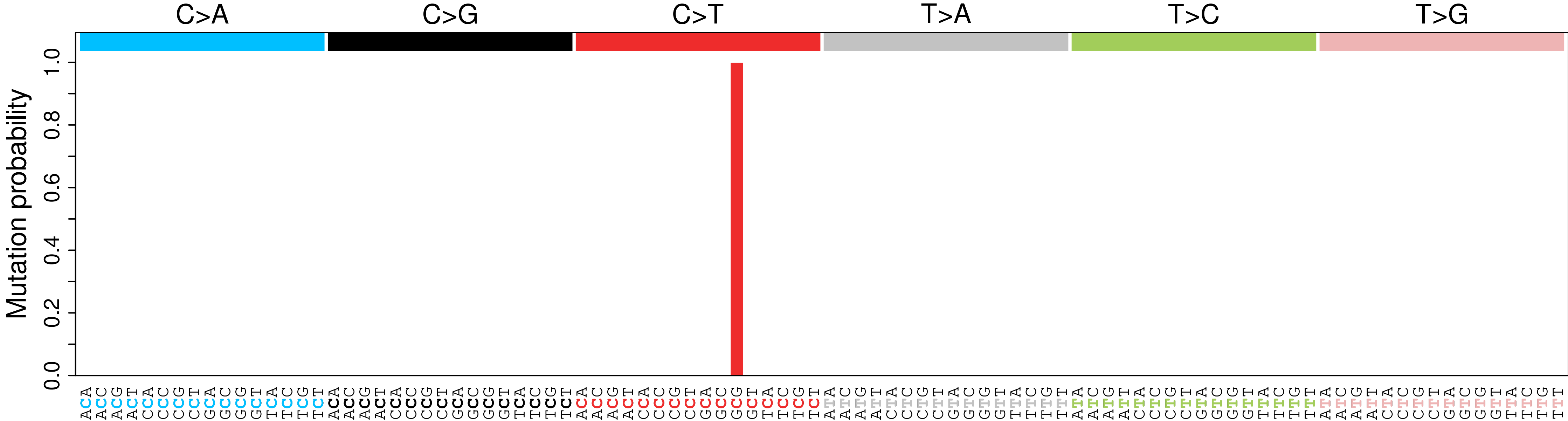
CATD0383a



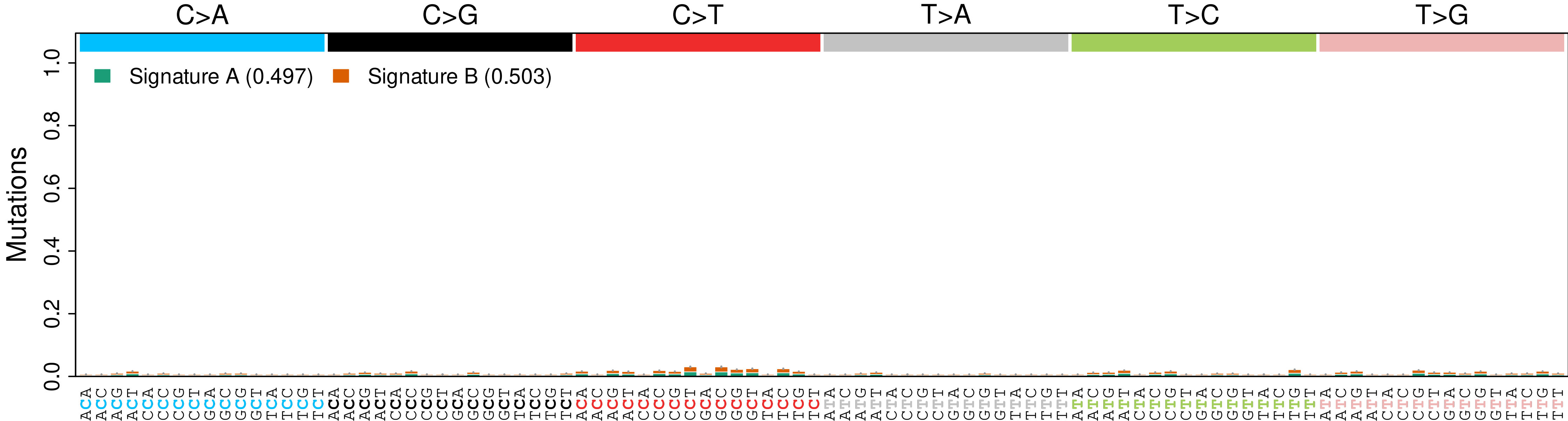
Reconstructed spectrum (cosine similarity = 0.141)



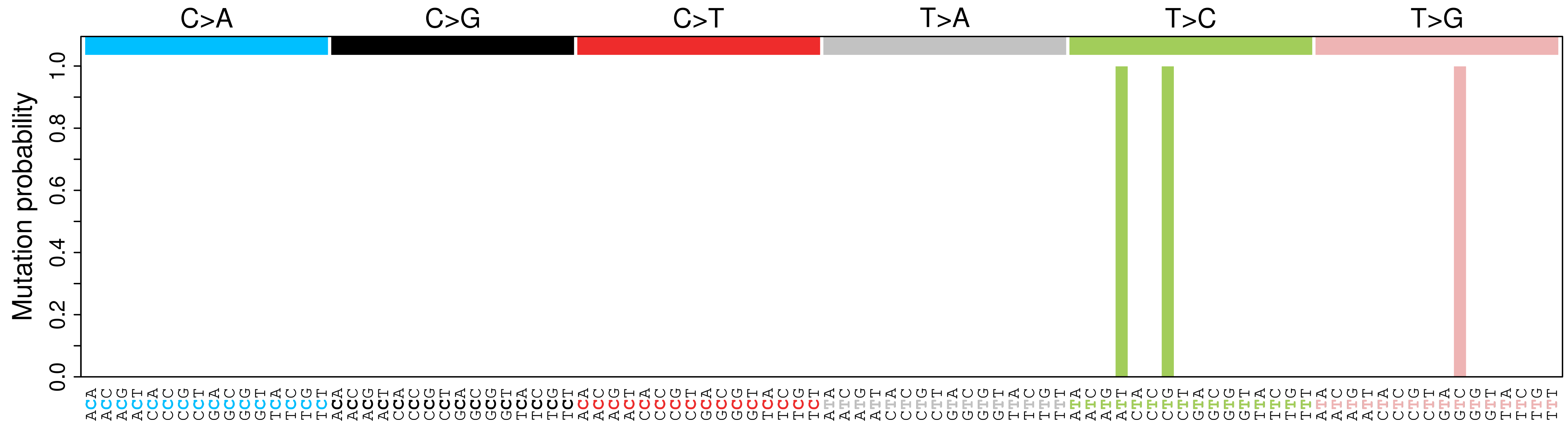
CATD0385a



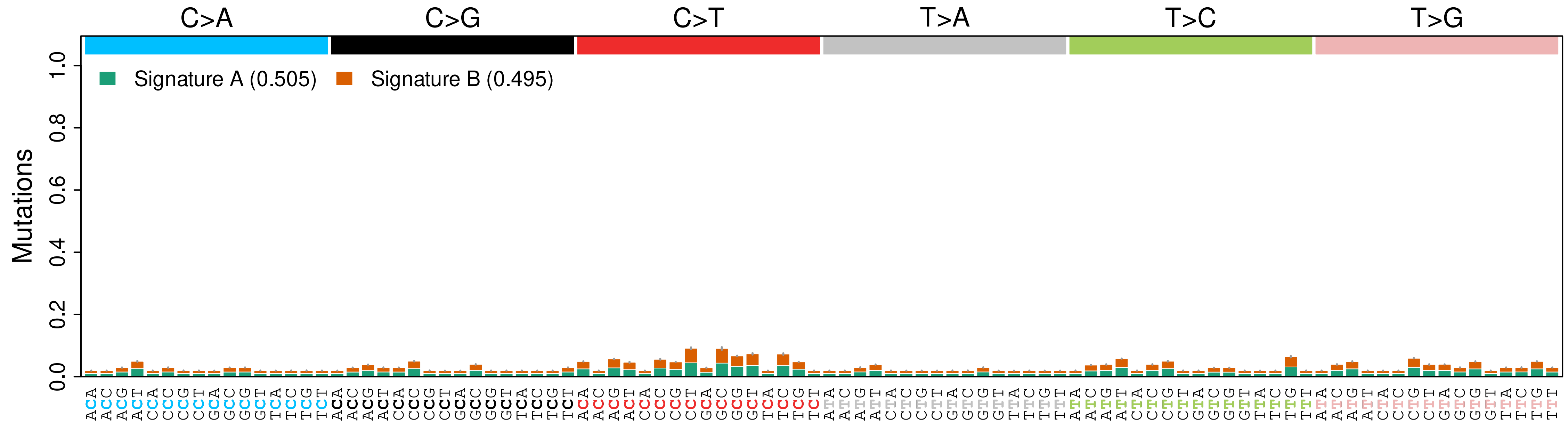
Reconstructed spectrum (cosine similarity = 0.192)



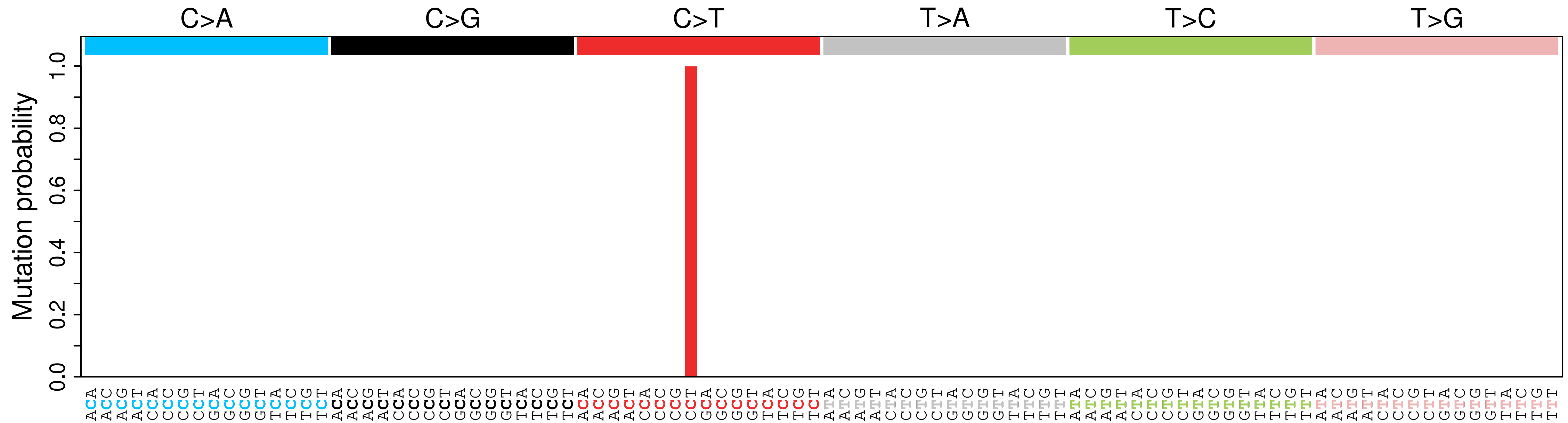
CATD0382a



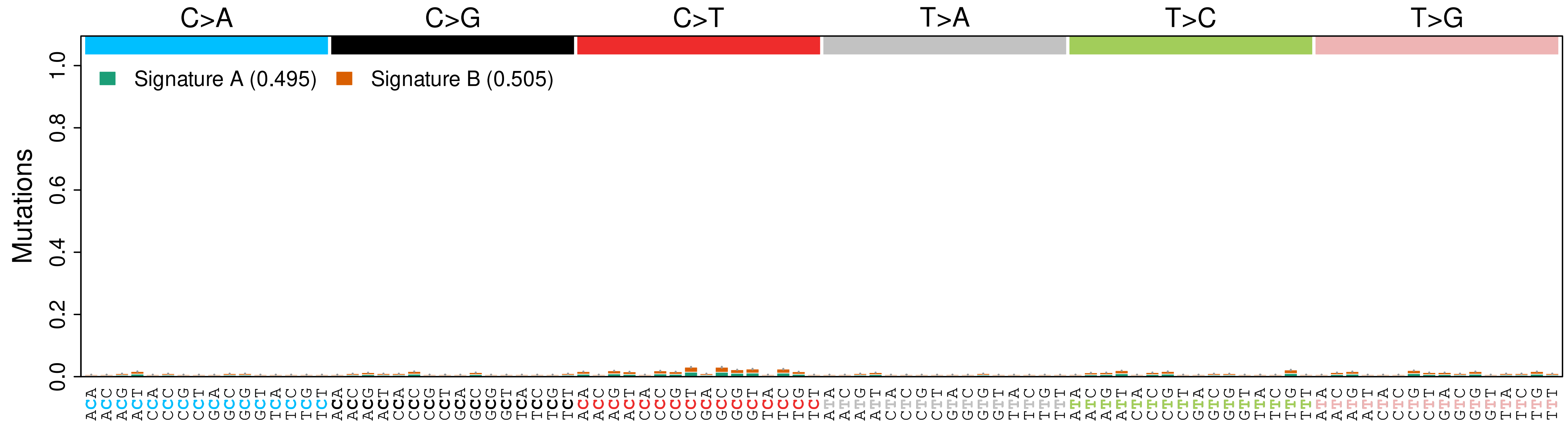
Reconstructed spectrum (cosine similarity = 0.229)



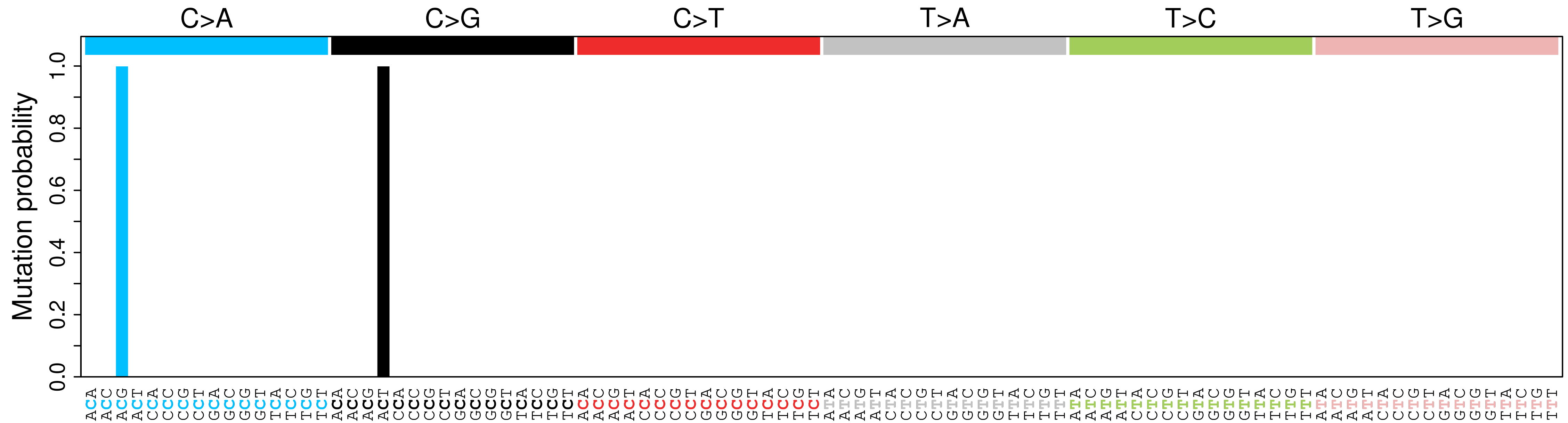
CATD0660a



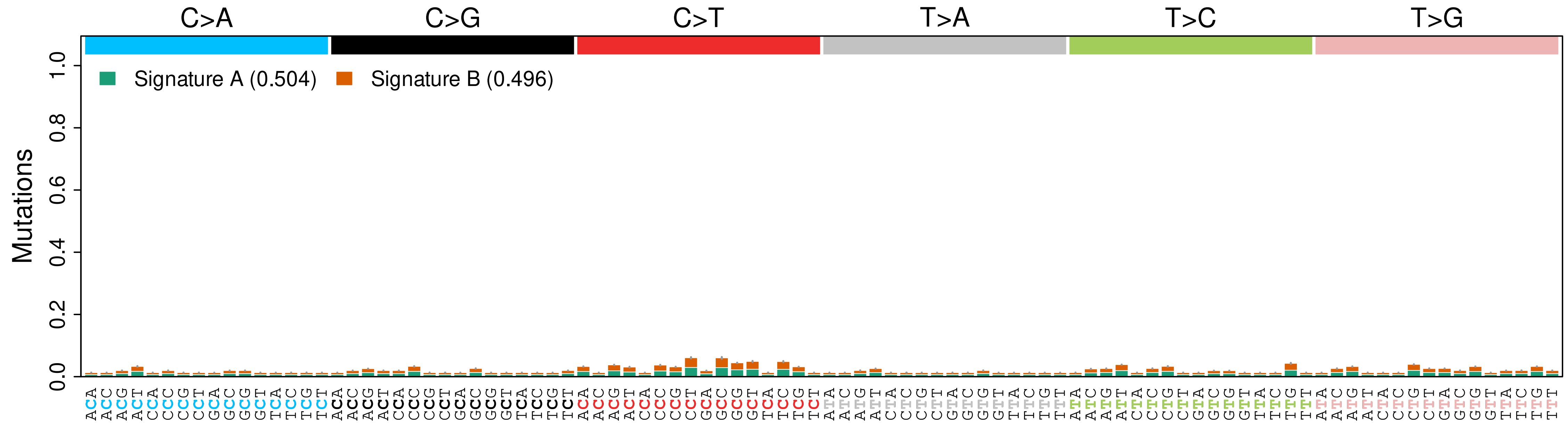
Reconstructed spectrum (cosine similarity = 0.263)



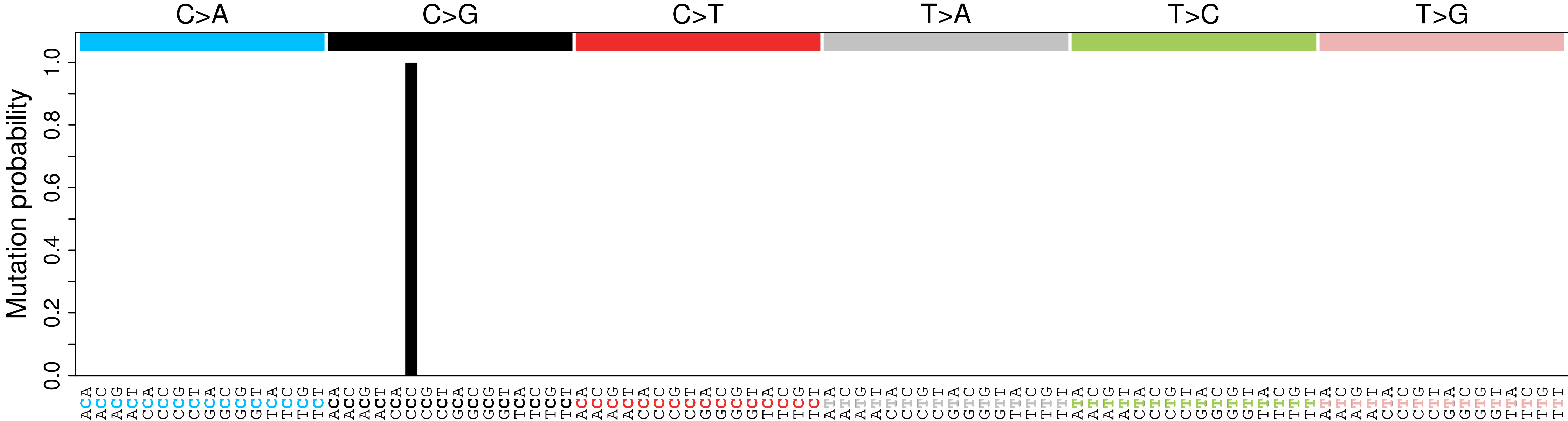
CATD0439a



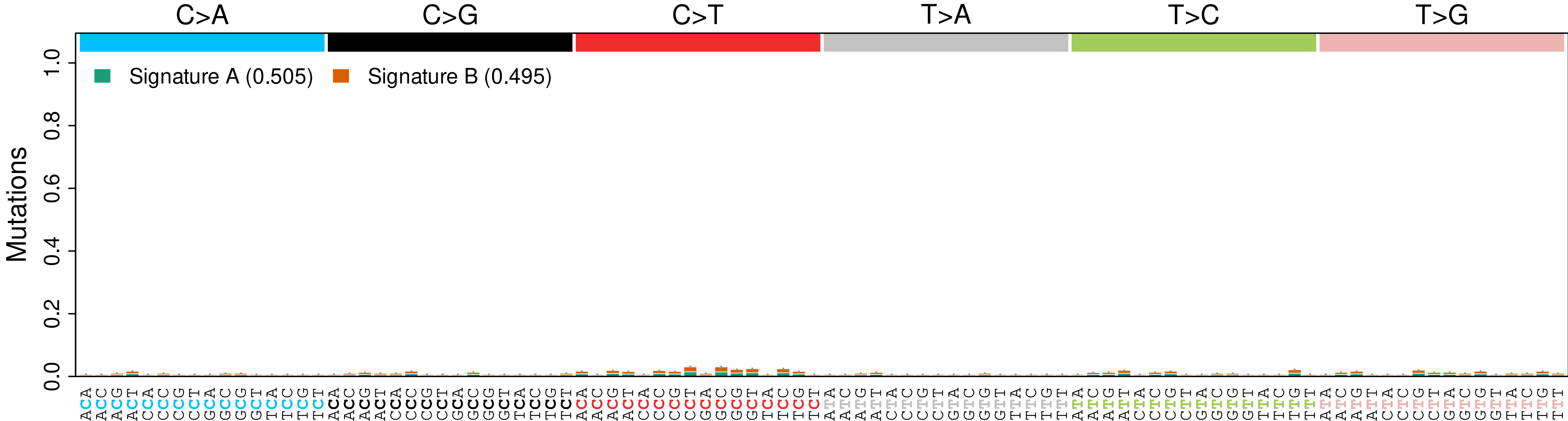
Reconstructed spectrum (cosine similarity = 0.12)



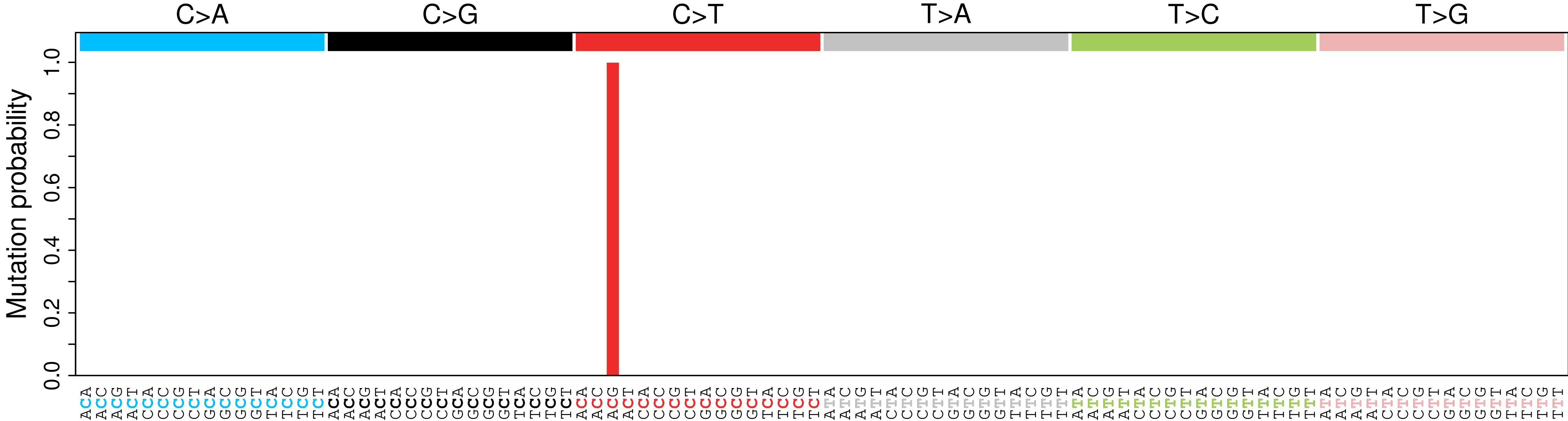
CATD0663a



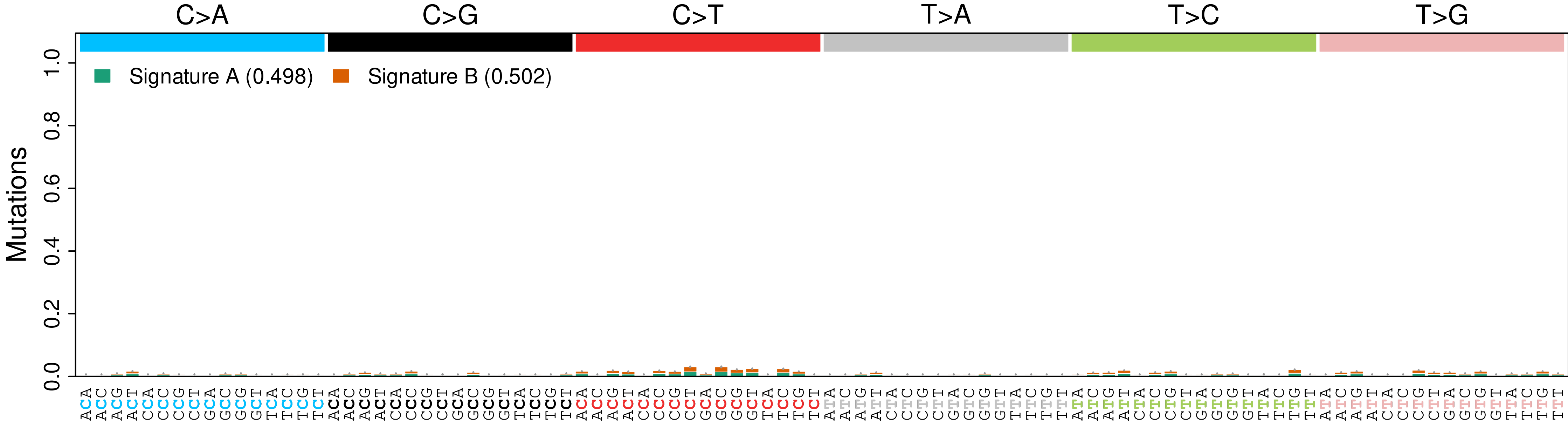
Reconstructed spectrum (cosine similarity = 0.144)



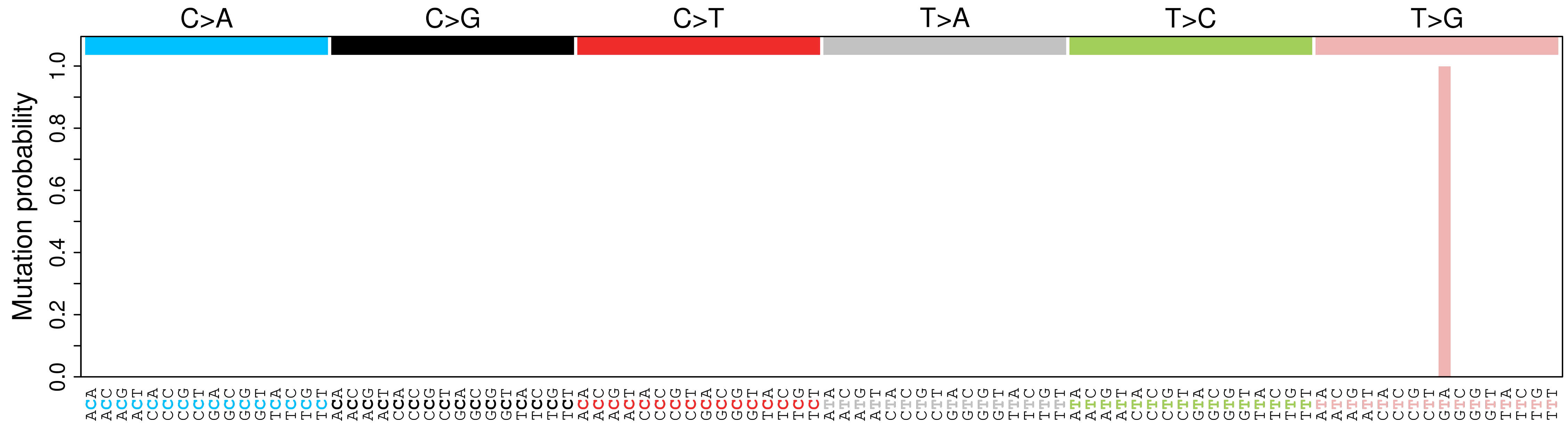
CATD0379a



Reconstructed spectrum (cosine similarity = 0.164)



CATD0397a



Reconstructed spectrum (cosine similarity = 0.114)

