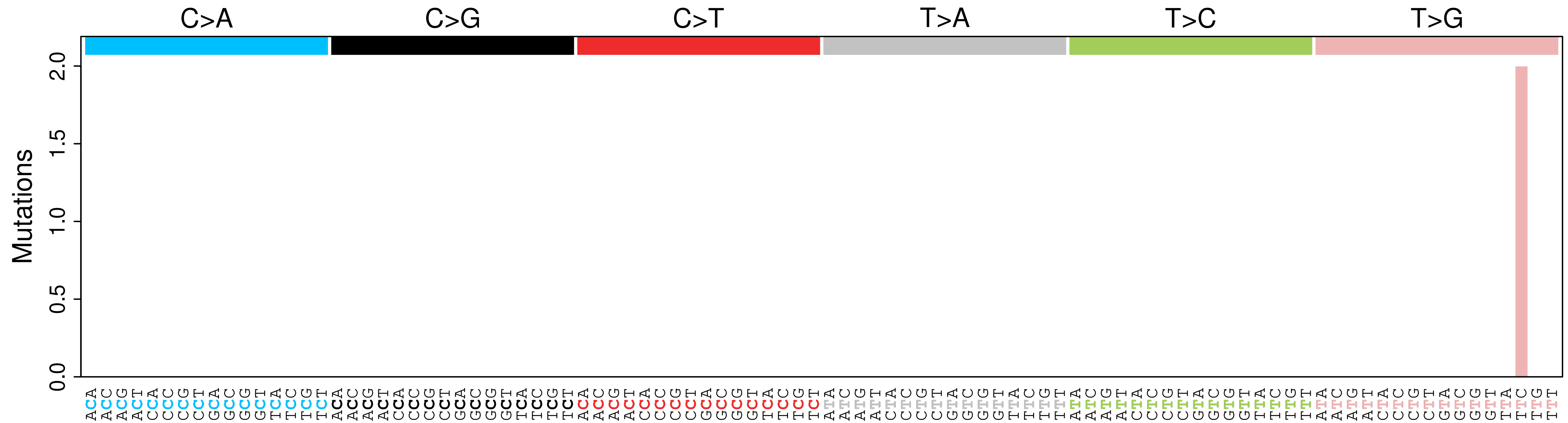
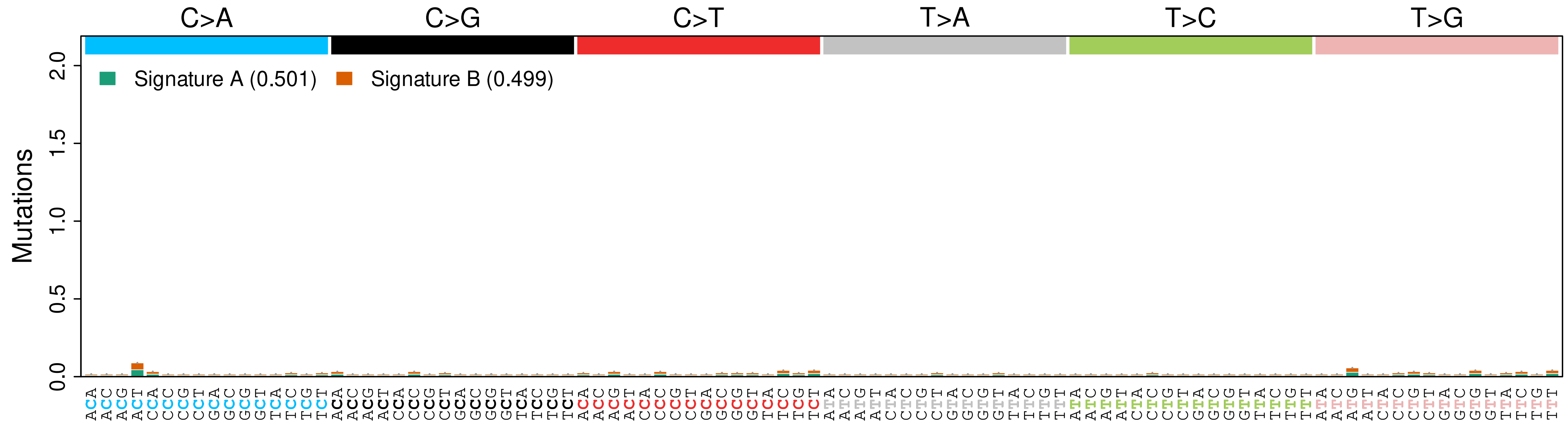


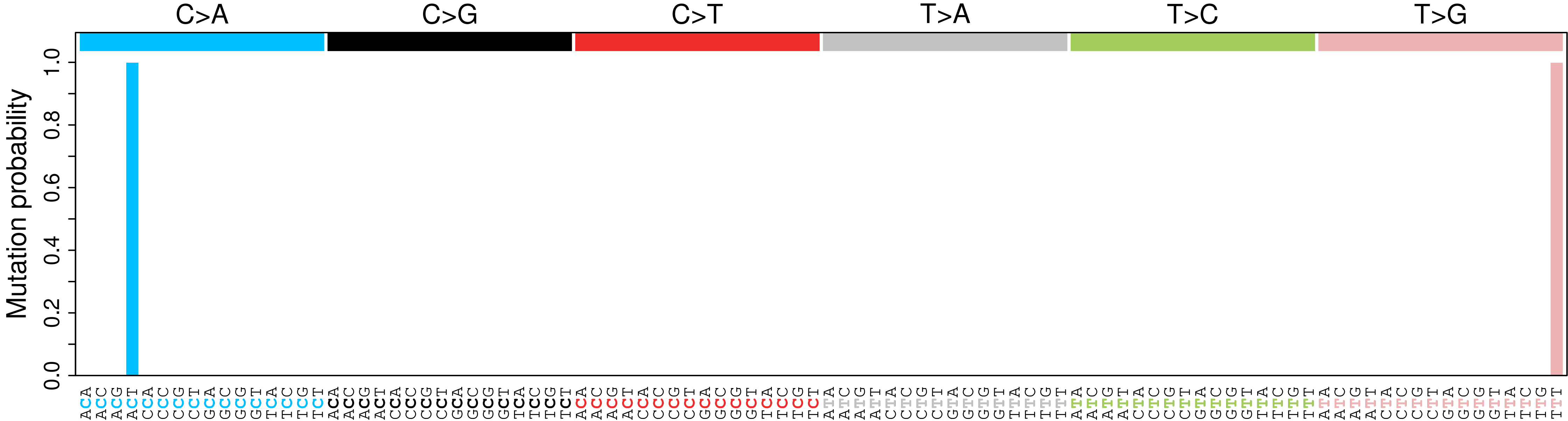
CATD0161a (2 mutations)



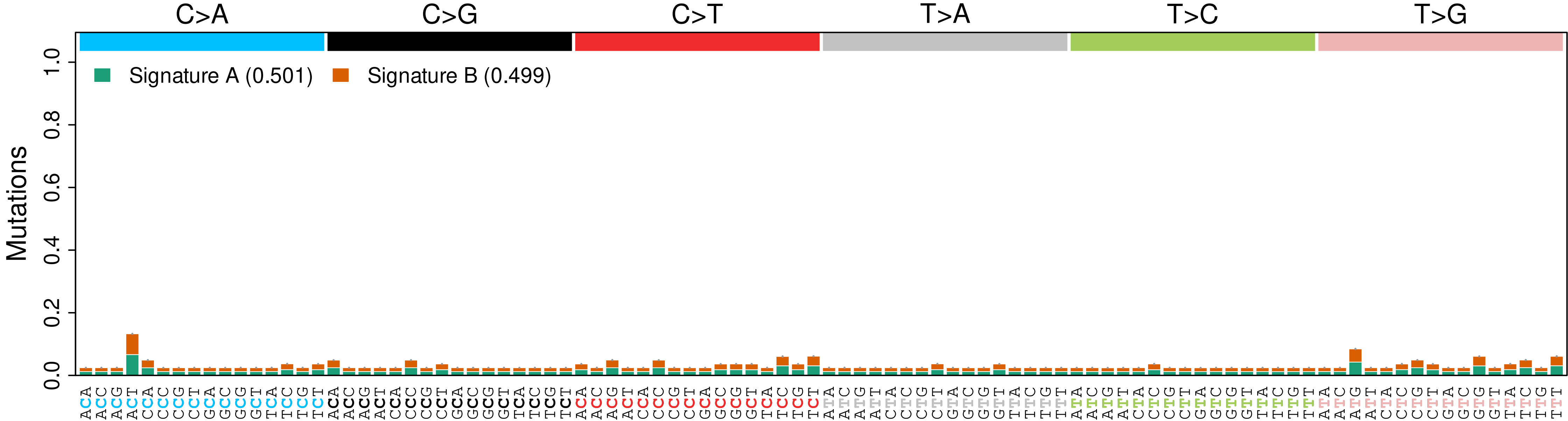
Reconstructed spectrum (cosine similarity = 0.144)



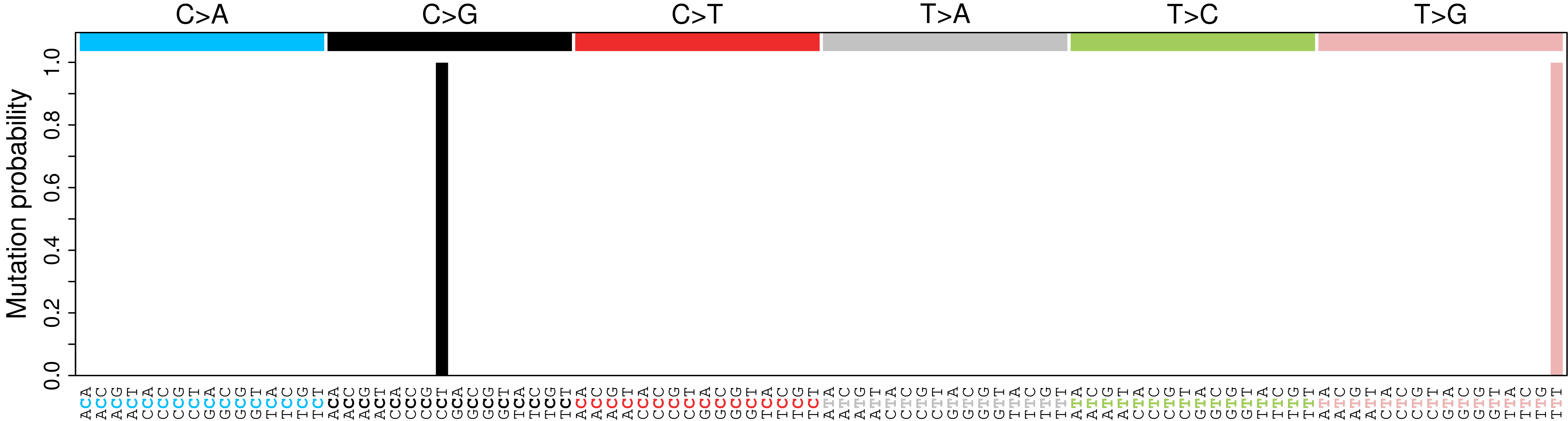
CATD0371a



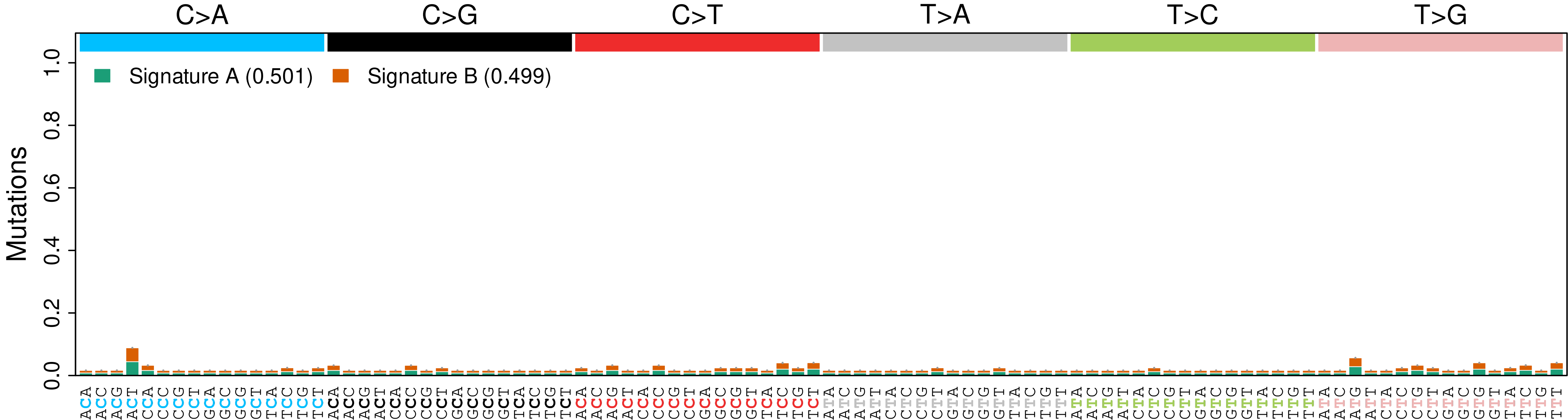
Reconstructed spectrum (cosine similarity = 0.402)



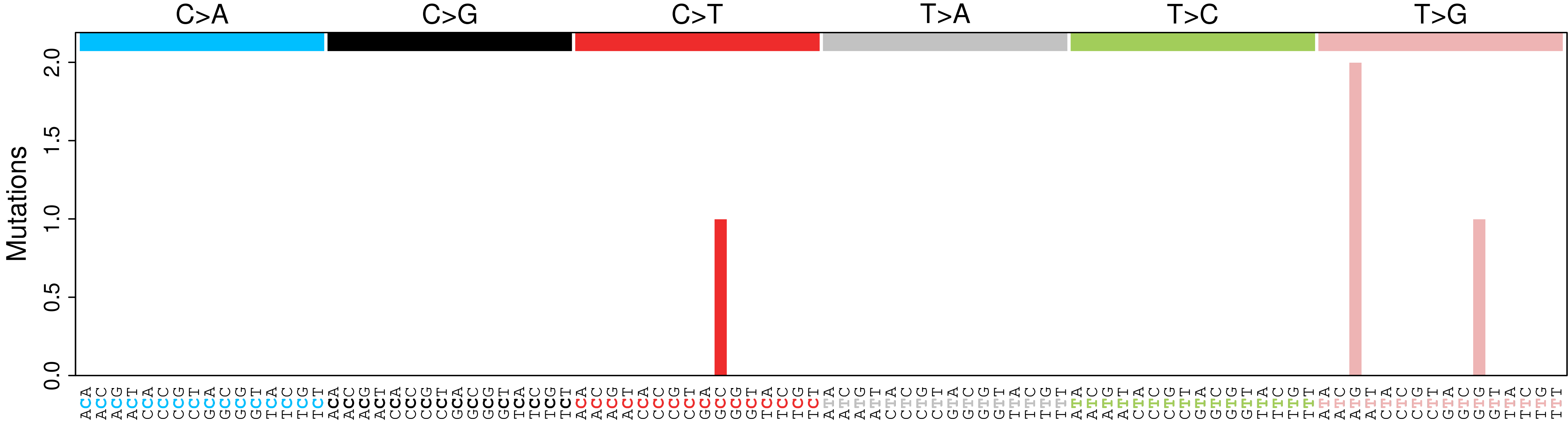
CATD0354a



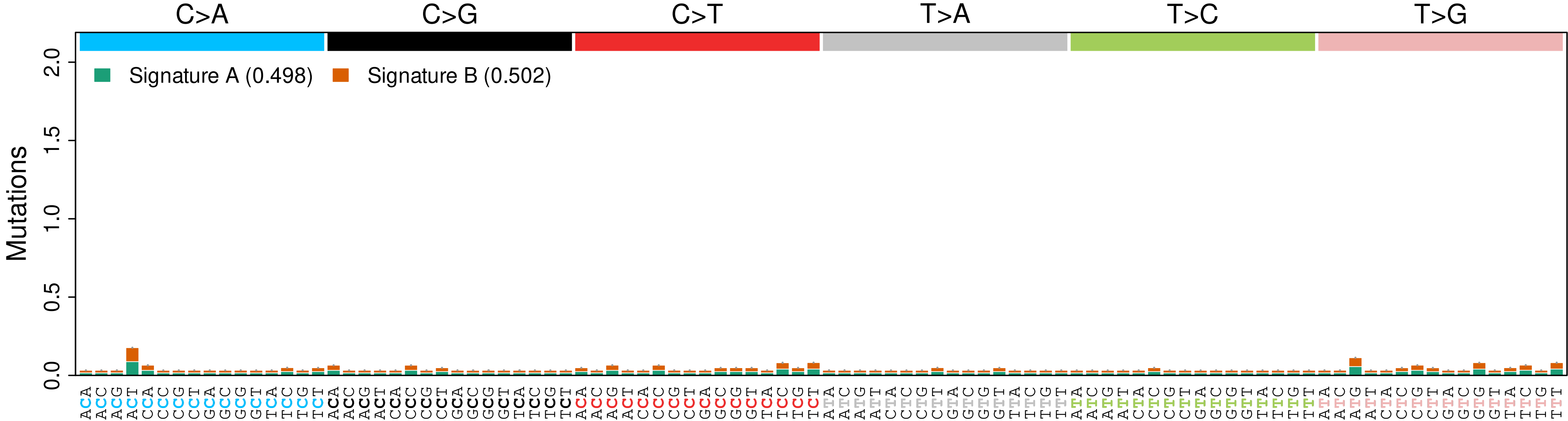
Reconstructed spectrum (cosine similarity = 0.202)



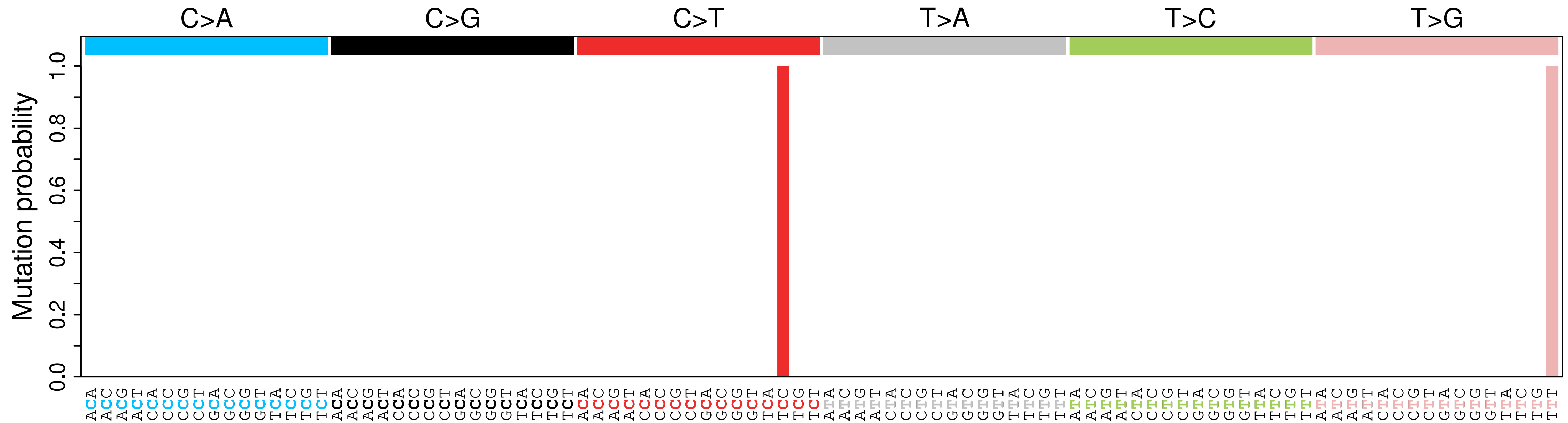
CATD0372a (4 mutations)



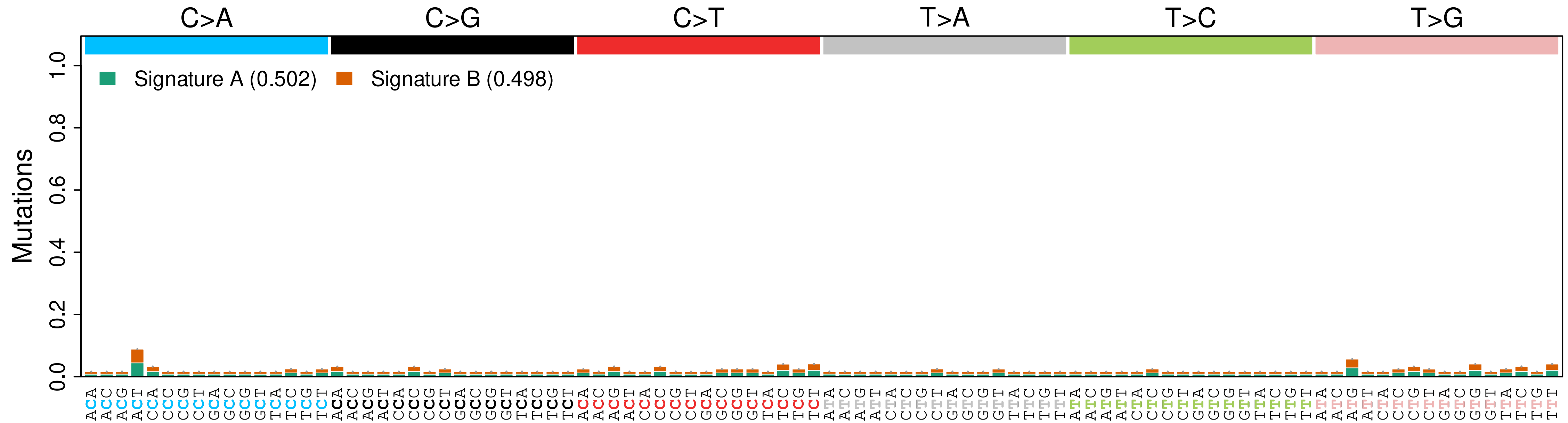
Reconstructed spectrum (cosine similarity = 0.319)



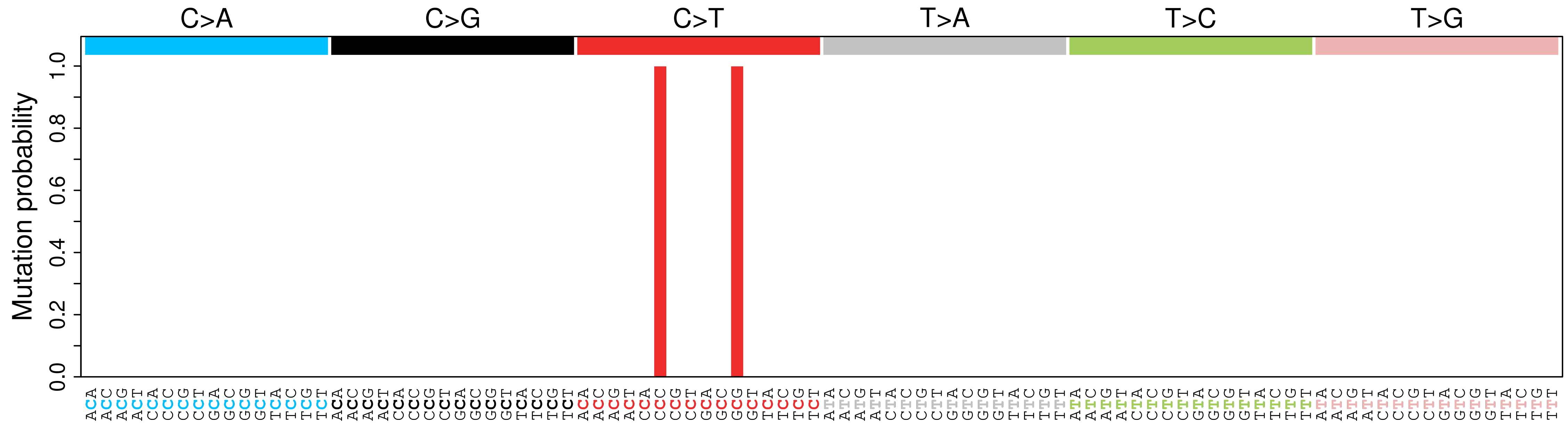
CATD0352a



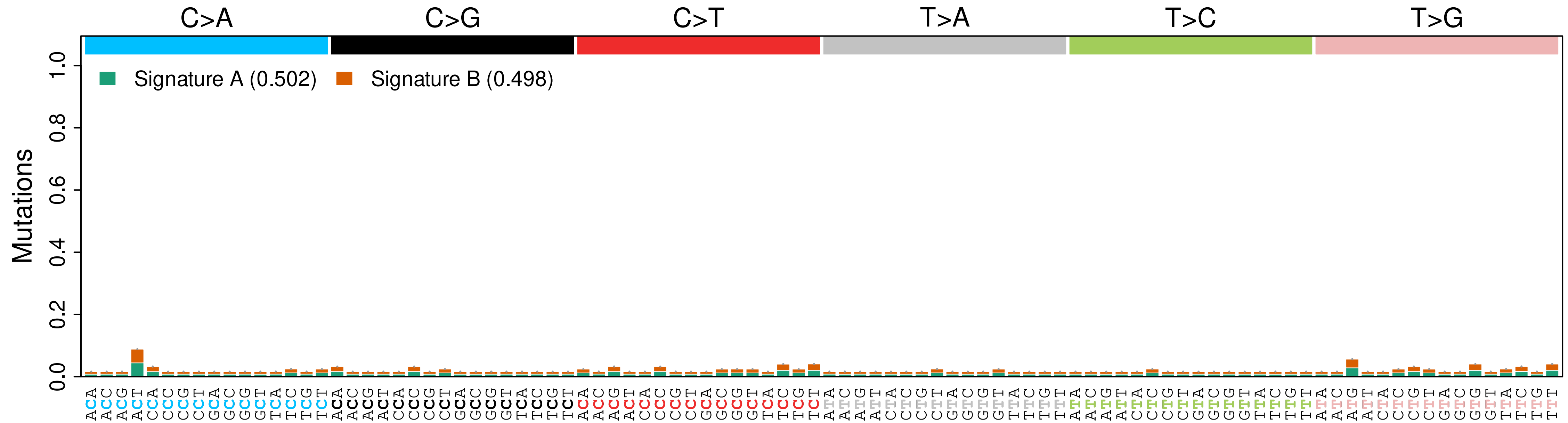
Reconstructed spectrum (cosine similarity = 0.252)

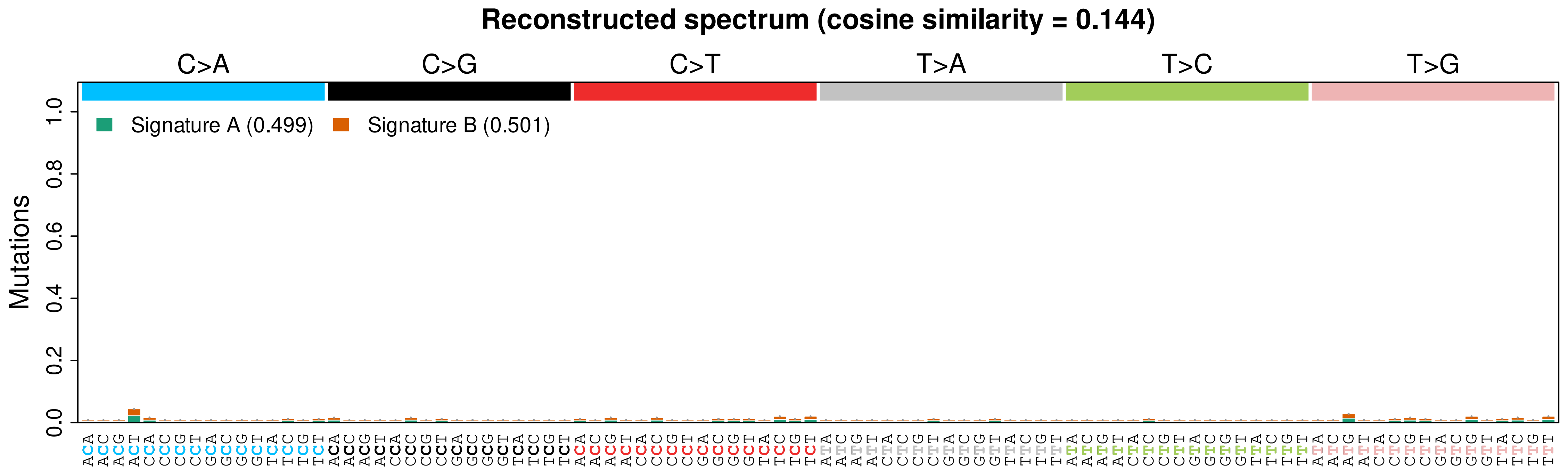
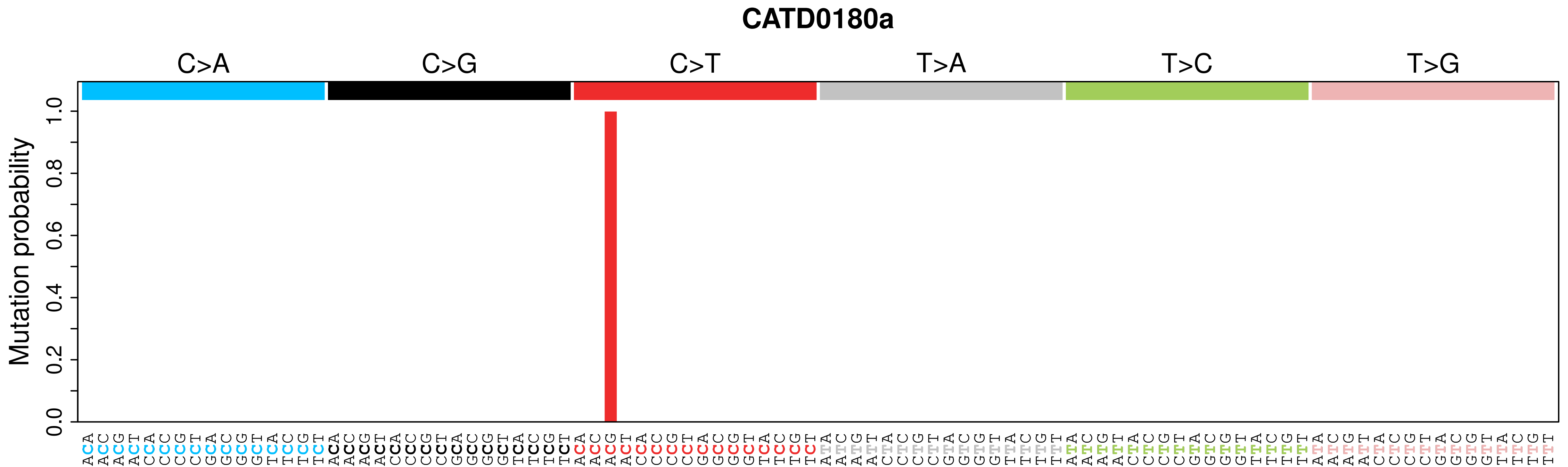


CATD0366a

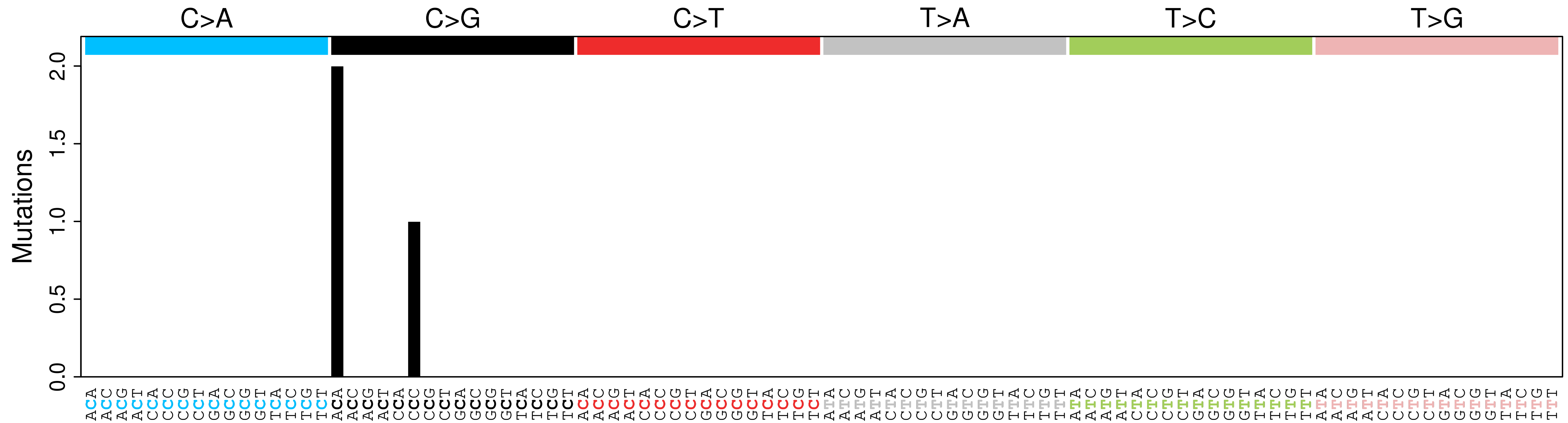


Reconstructed spectrum (cosine similarity = 0.177)

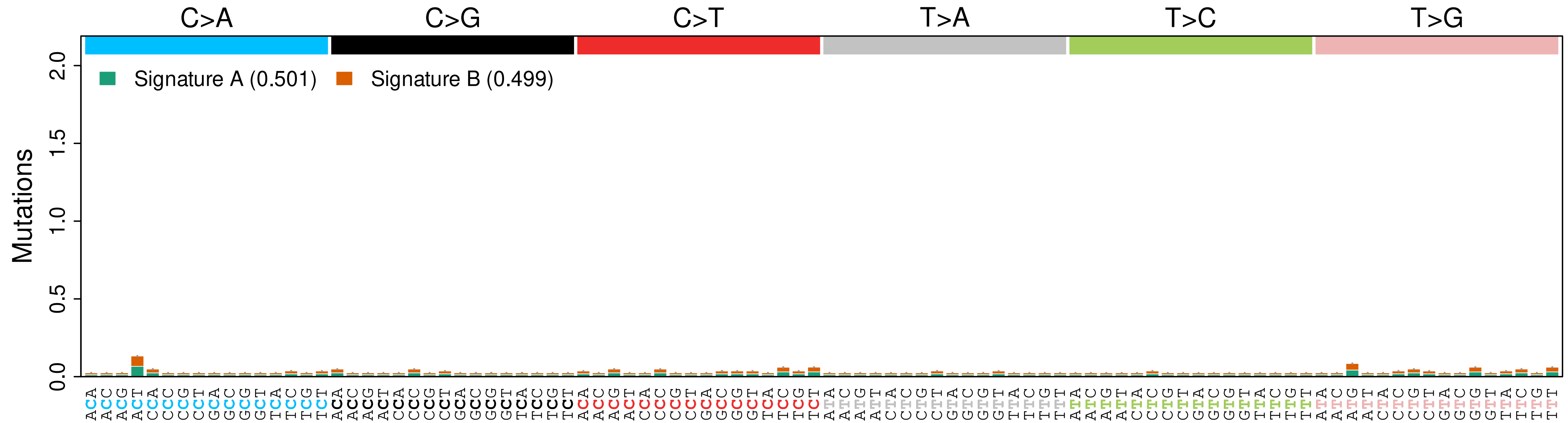




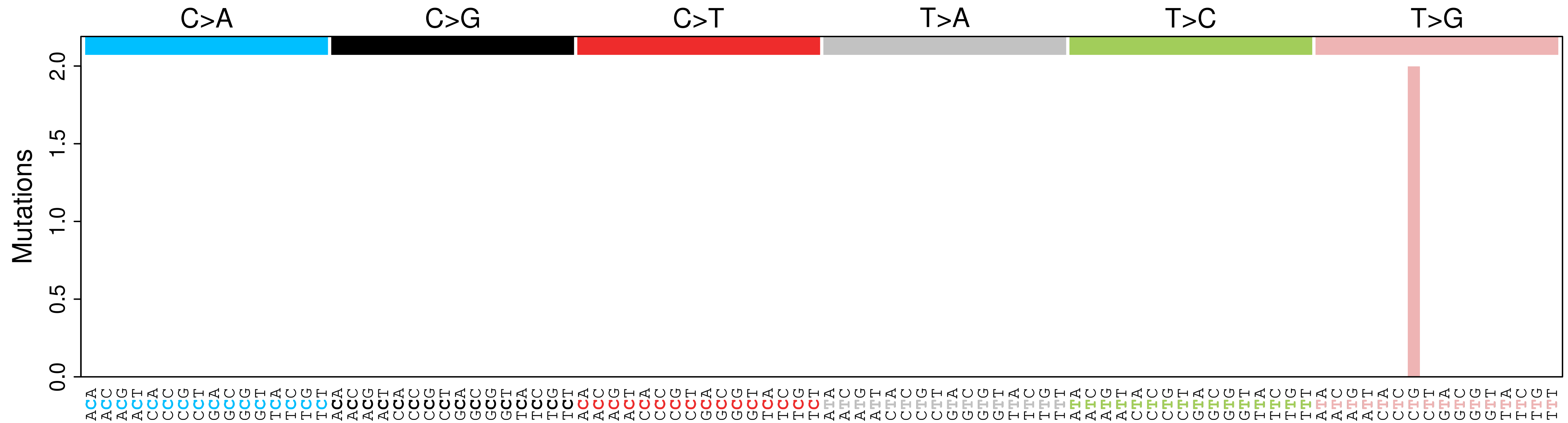
CATD0375a (3 mutations)



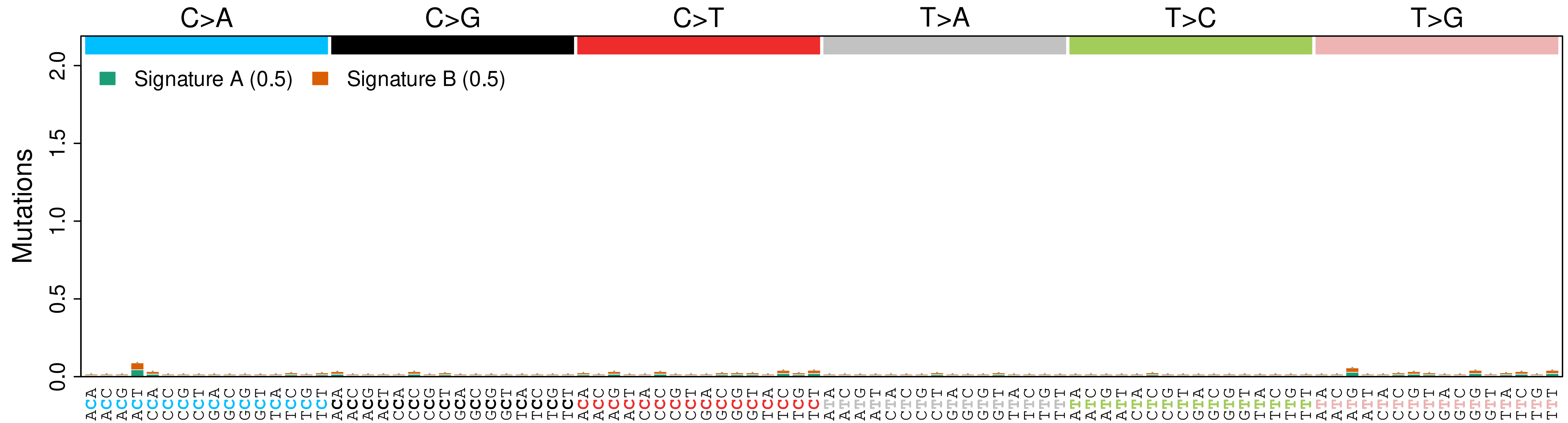
Reconstructed spectrum (cosine similarity = 0.192)



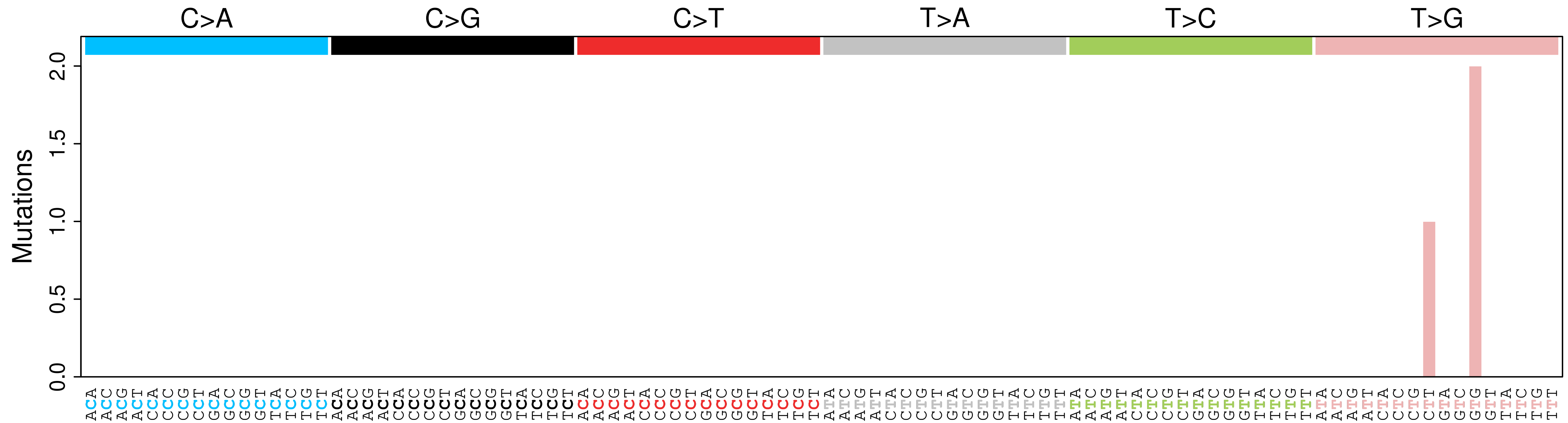
CATD0351a (2 mutations)



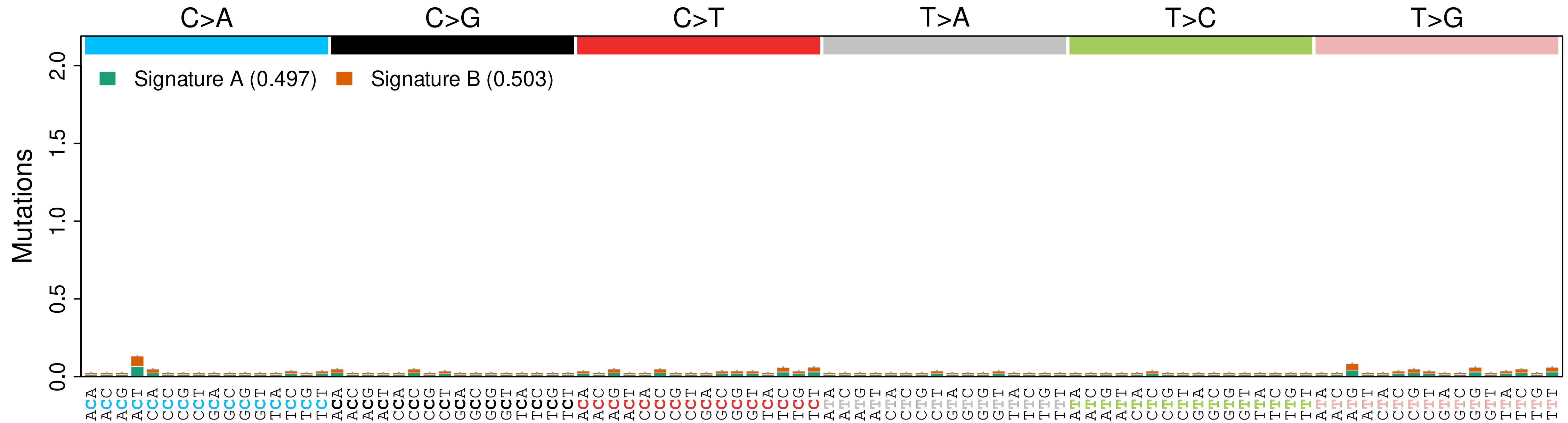
Reconstructed spectrum (cosine similarity = 0.144)



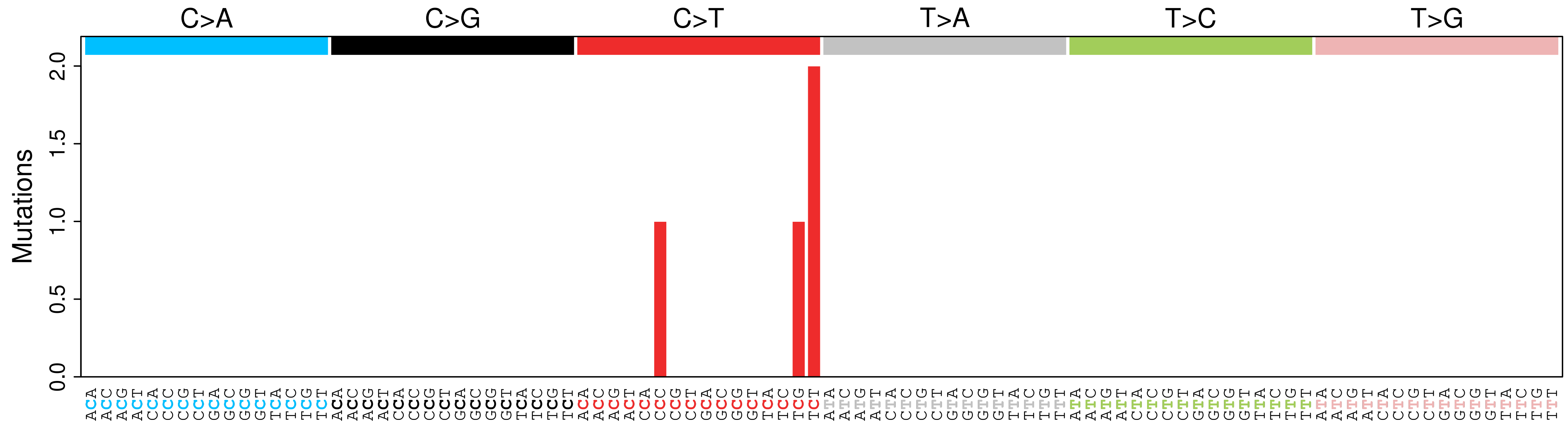
CATD0182a (3 mutations)



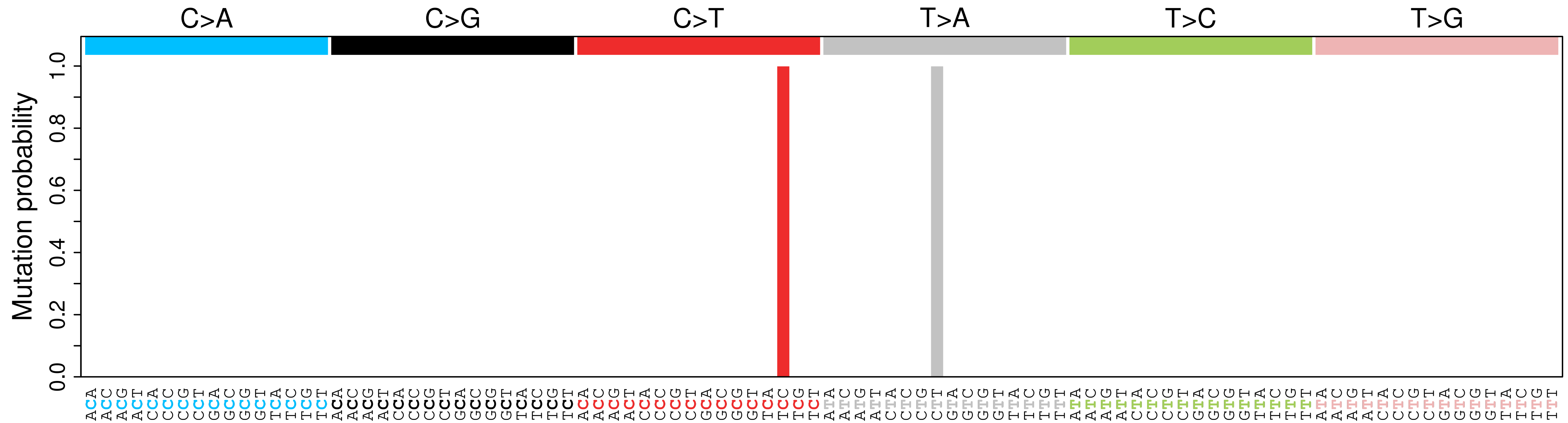
Reconstructed spectrum (cosine similarity = 0.207)



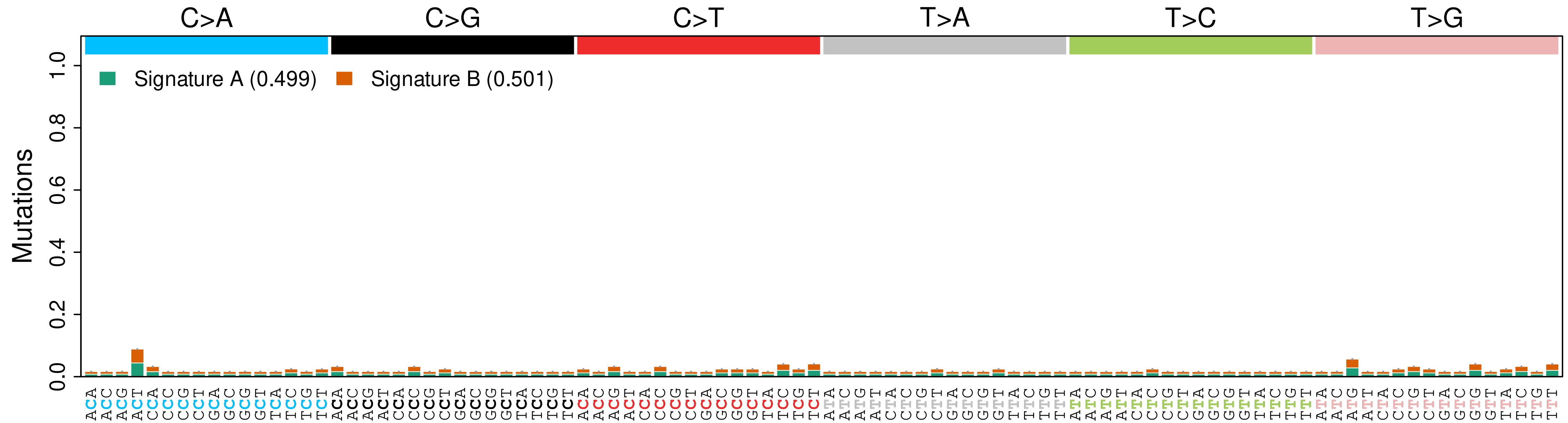
CATD0184a (4 mutations)



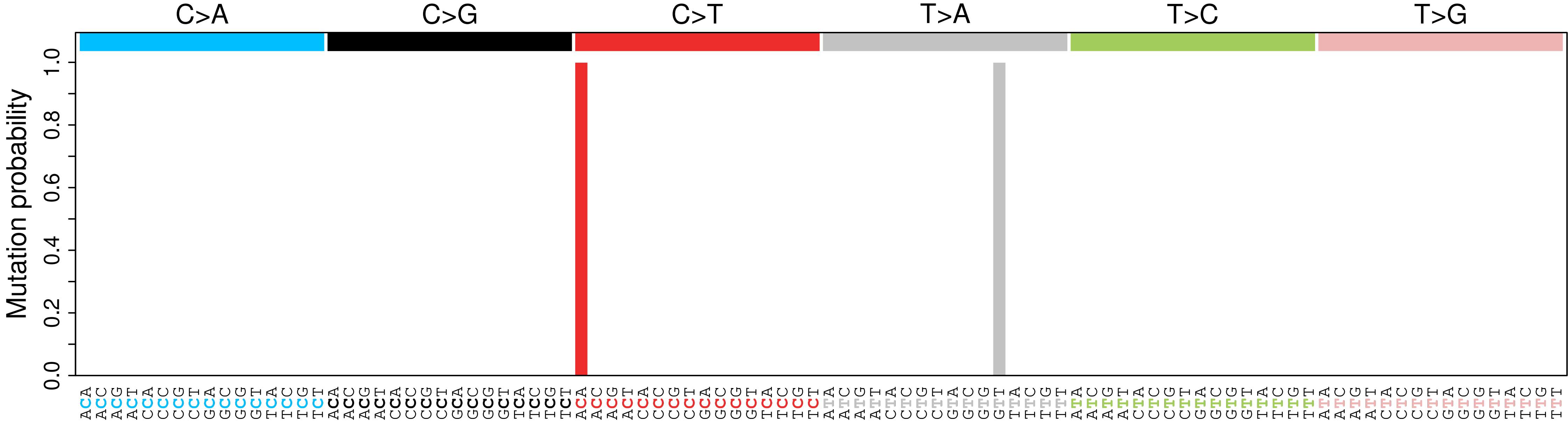
CATD0179a



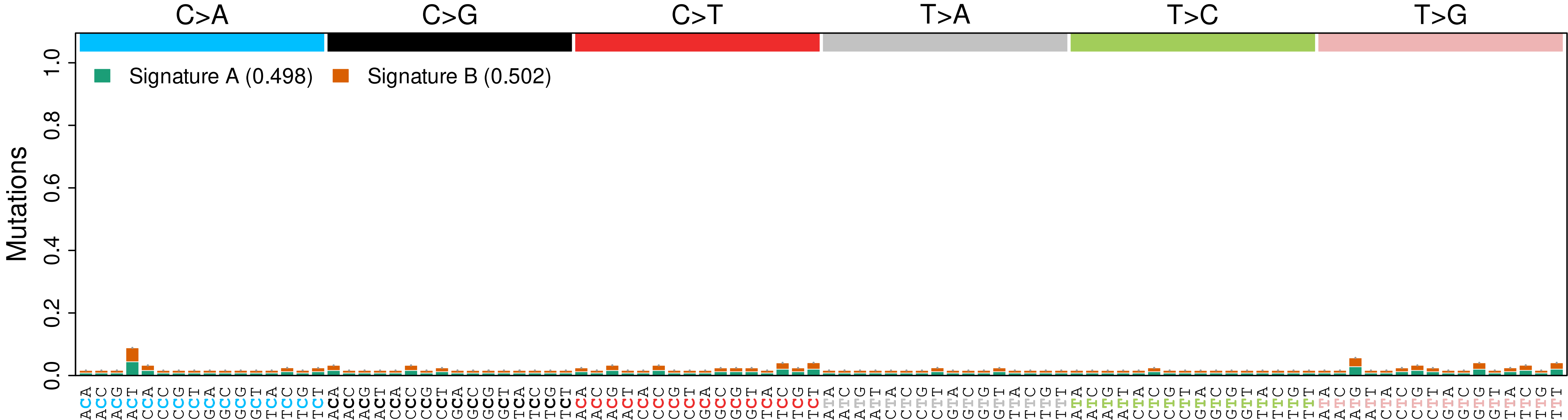
Reconstructed spectrum (cosine similarity = 0.202)



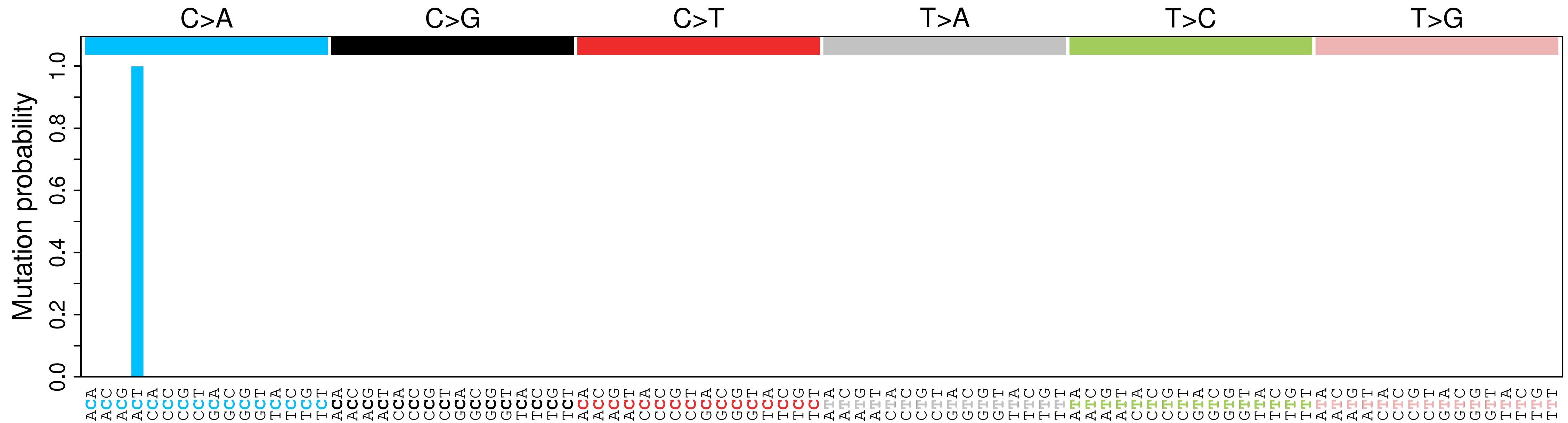
CATD0370a



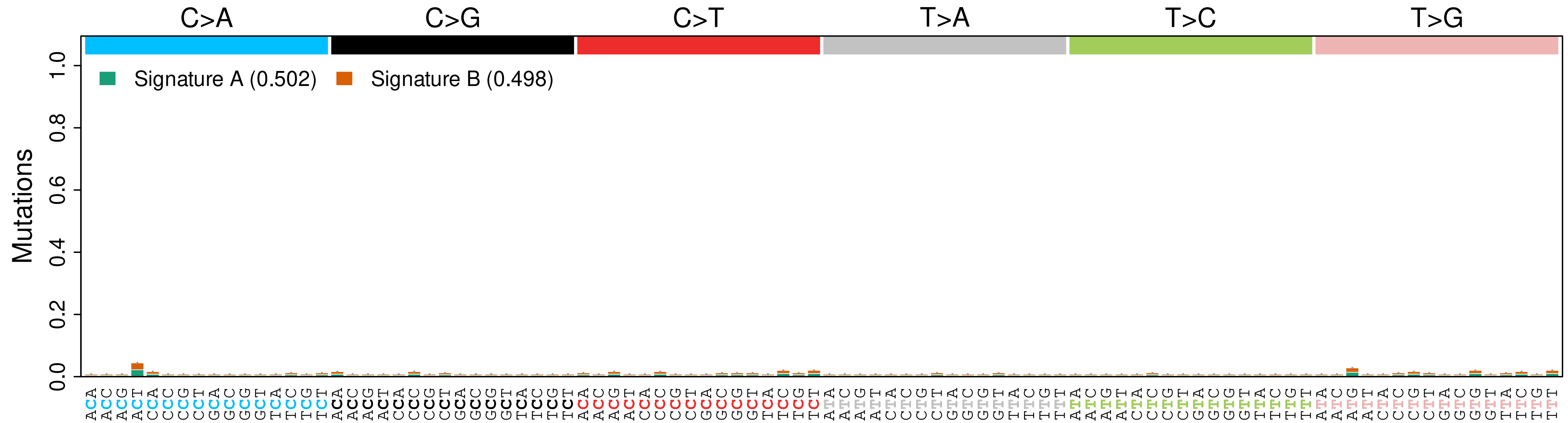
Reconstructed spectrum (cosine similarity = 0.151)



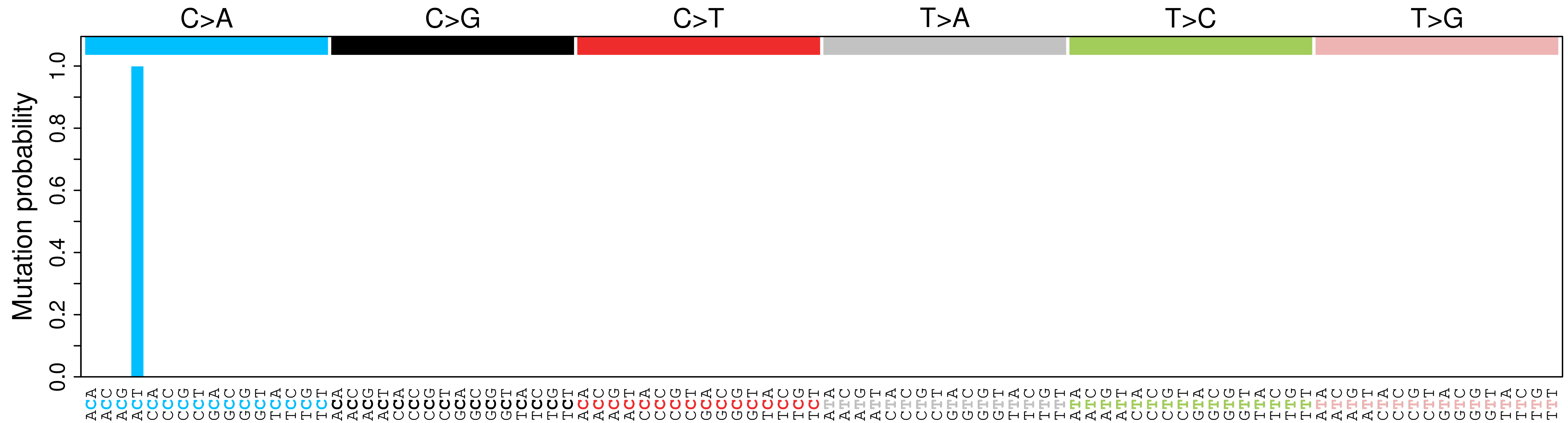
CATD0167a



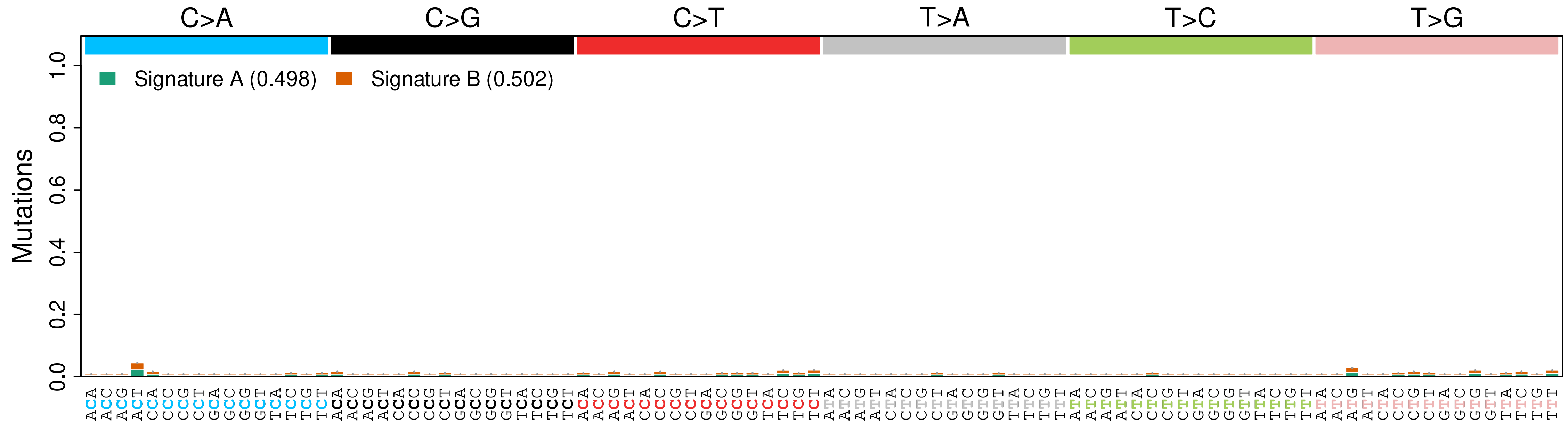
Reconstructed spectrum (cosine similarity = 0.389)



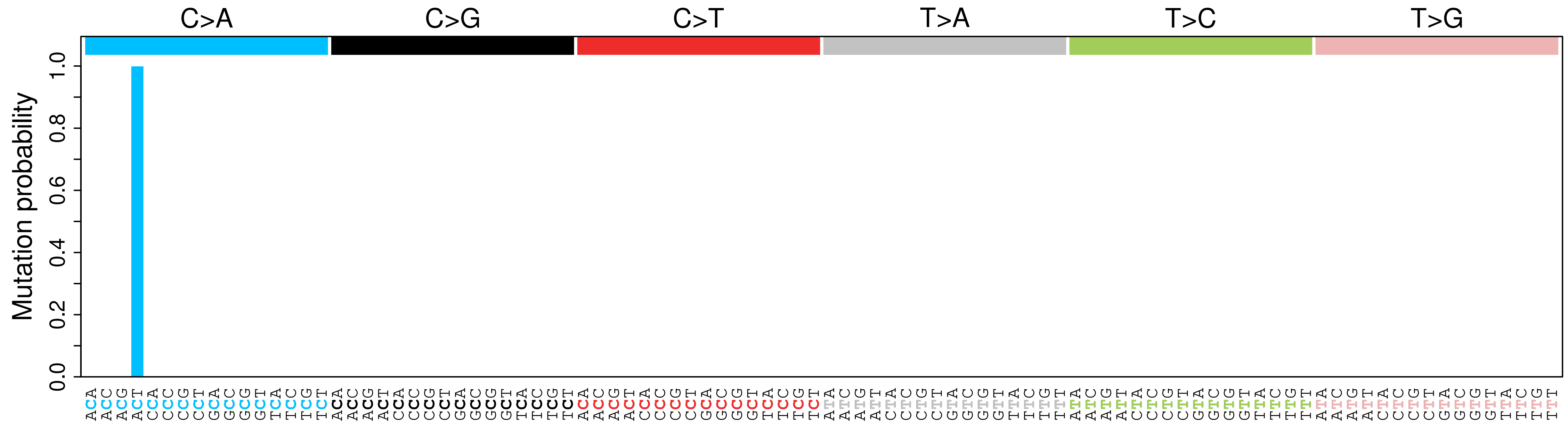
CATD0174a



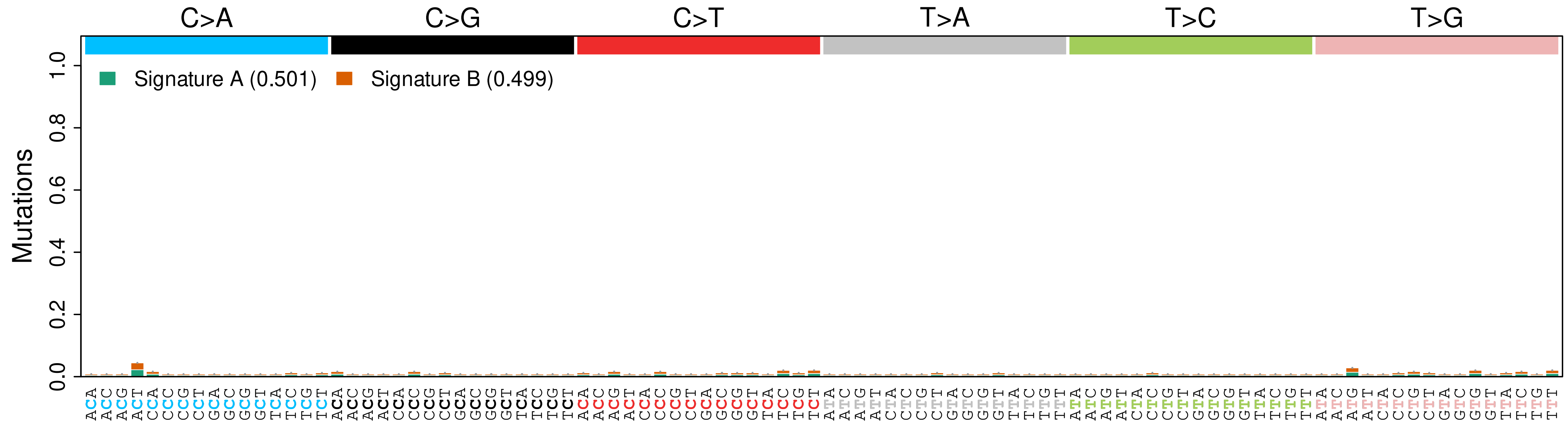
Reconstructed spectrum (cosine similarity = 0.389)



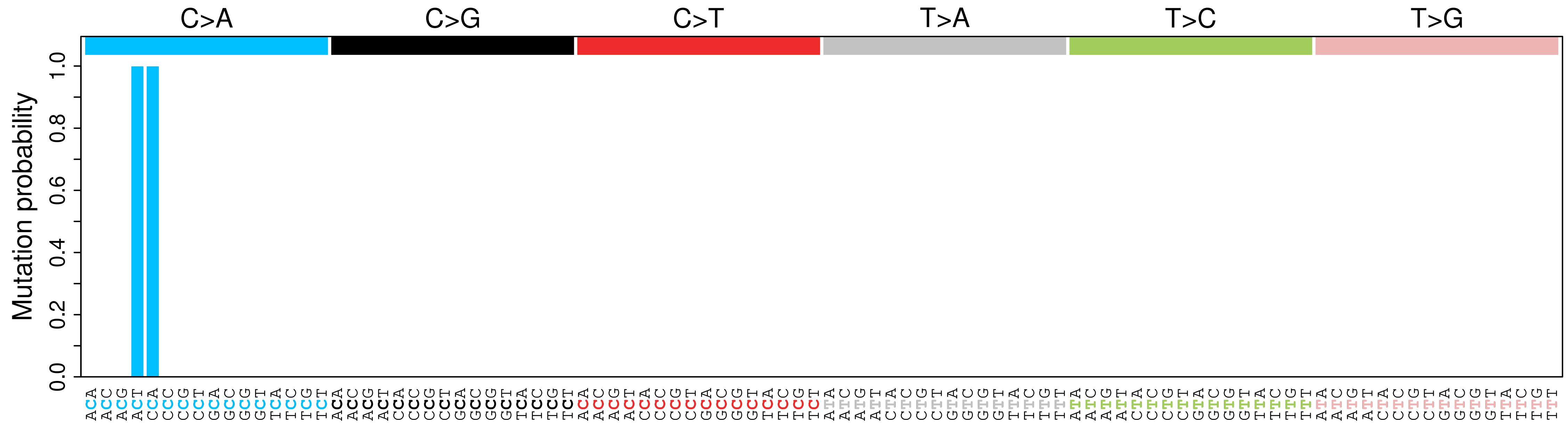
CATD0175a



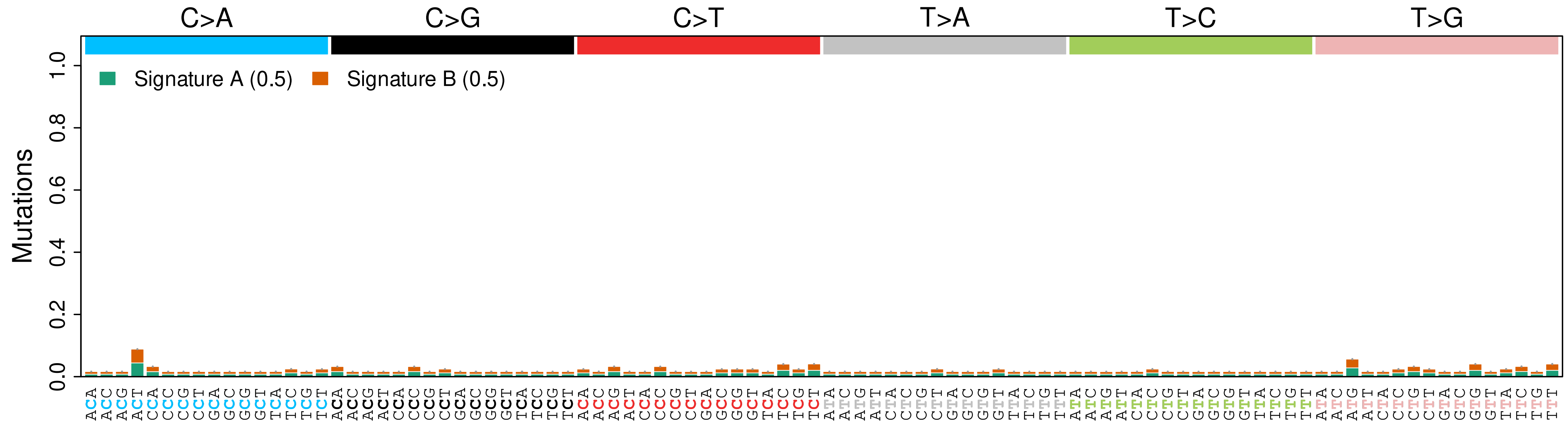
Reconstructed spectrum (cosine similarity = 0.389)



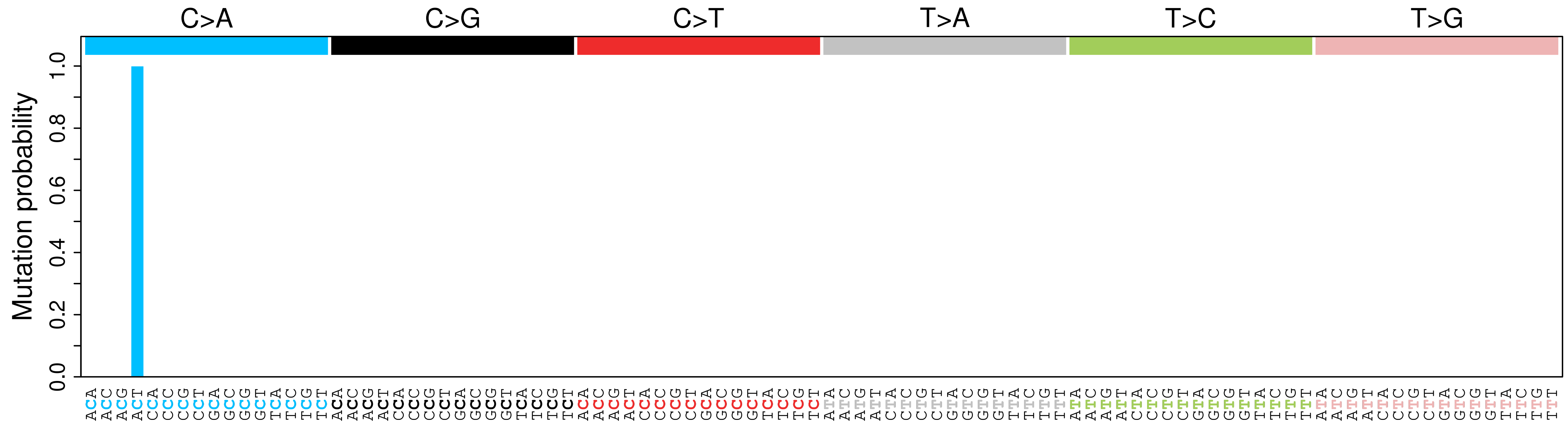
CATD0181a



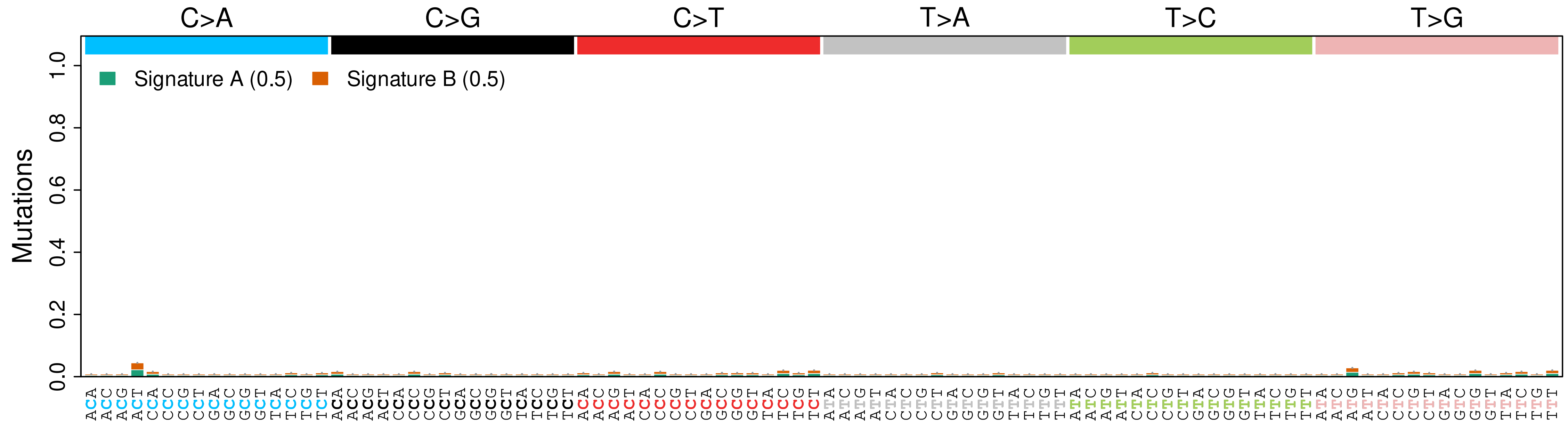
Reconstructed spectrum (cosine similarity = 0.377)



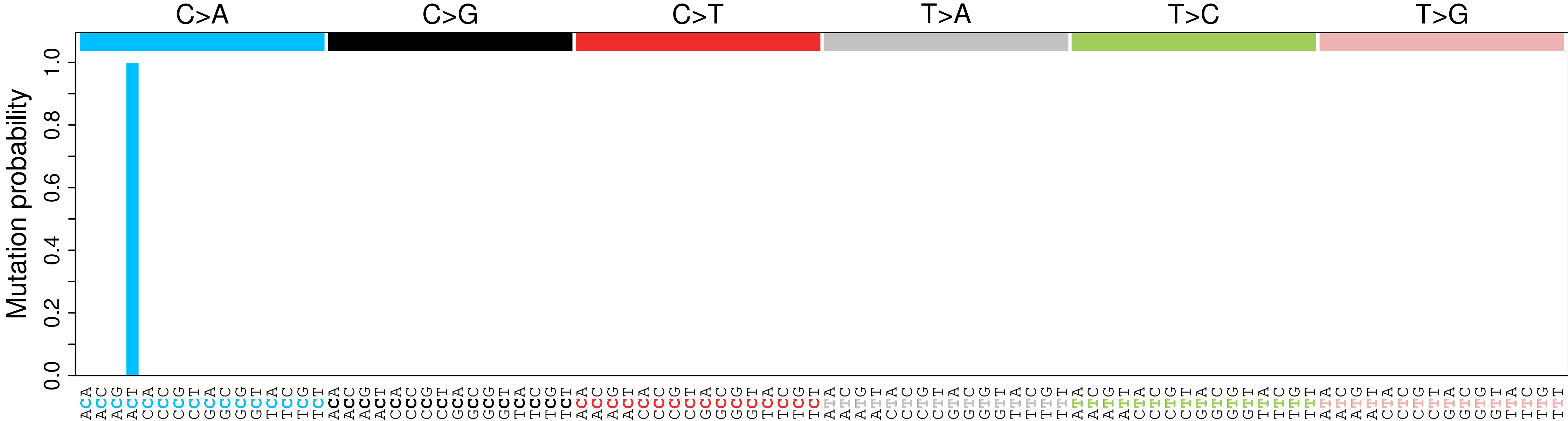
CATD0355a



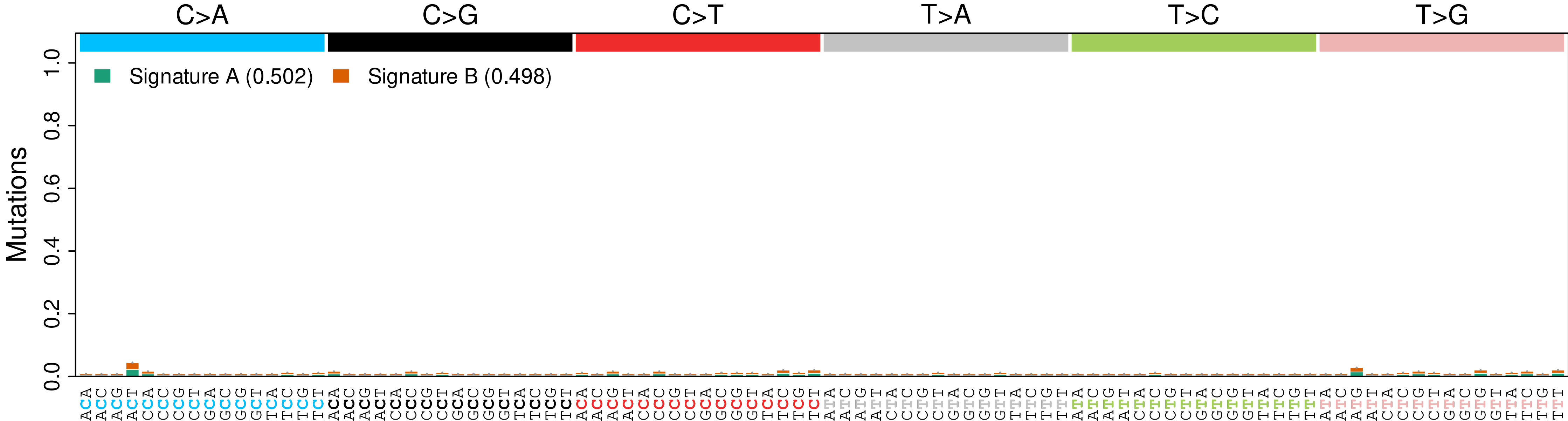
Reconstructed spectrum (cosine similarity = 0.389)



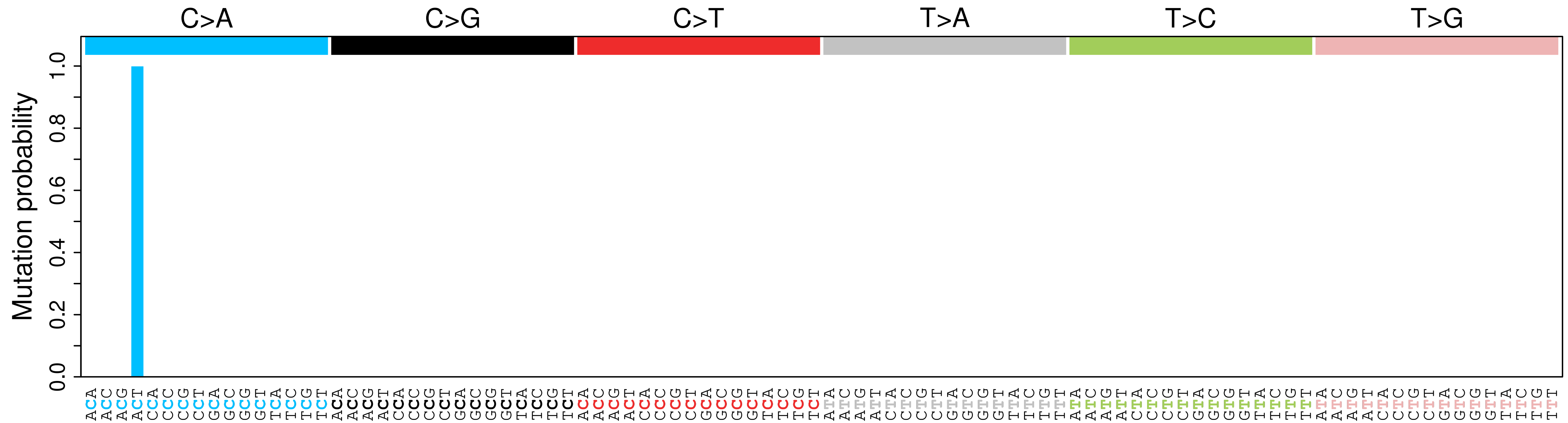
CATD0362a



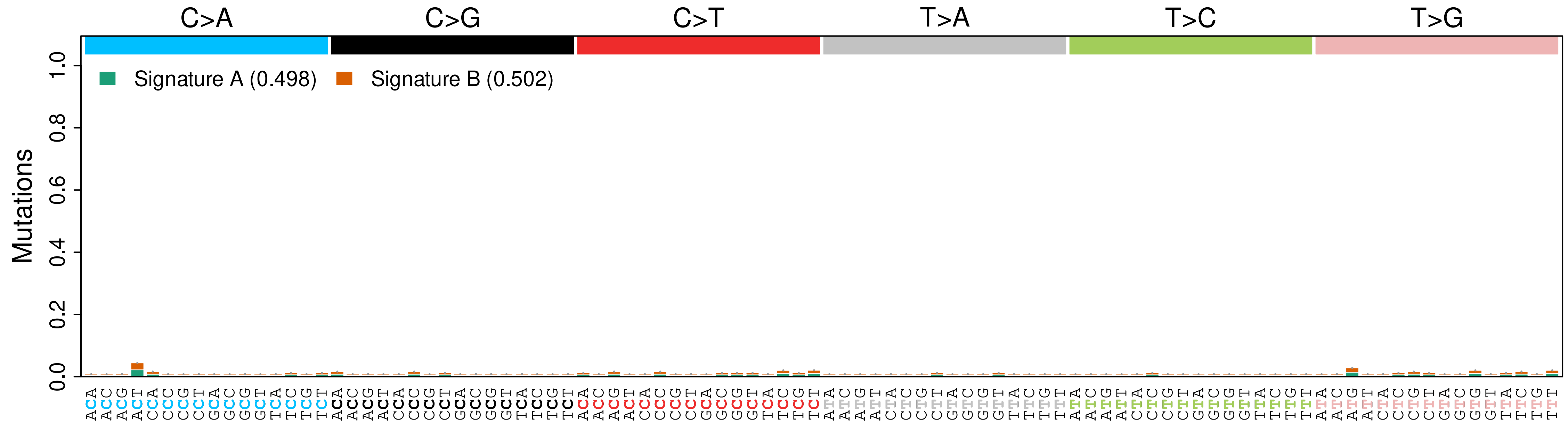
Reconstructed spectrum (cosine similarity = 0.389)



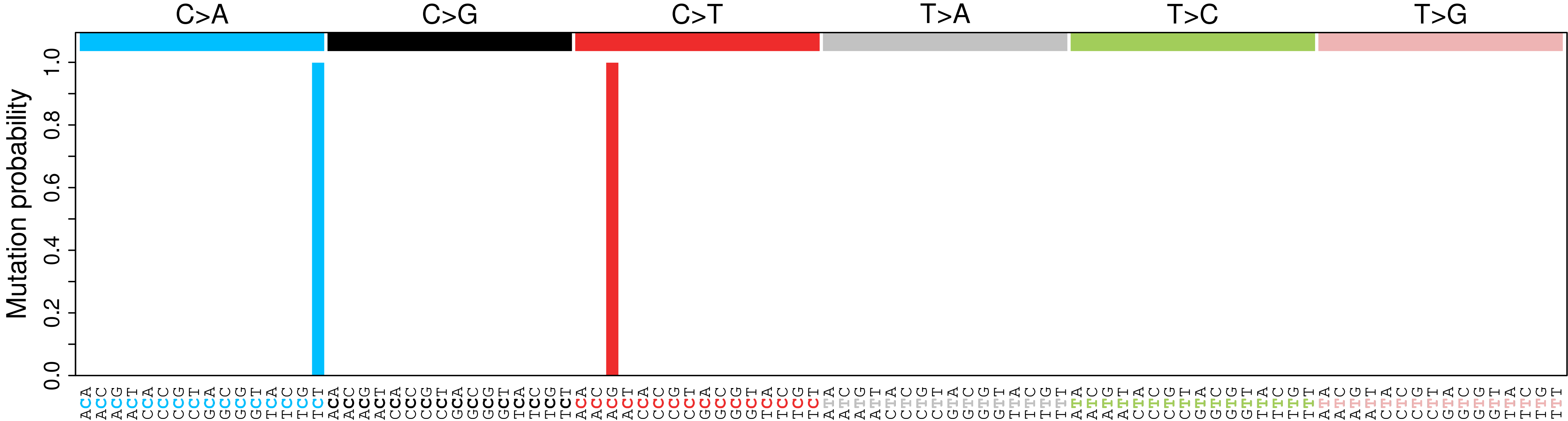
CATD0363a



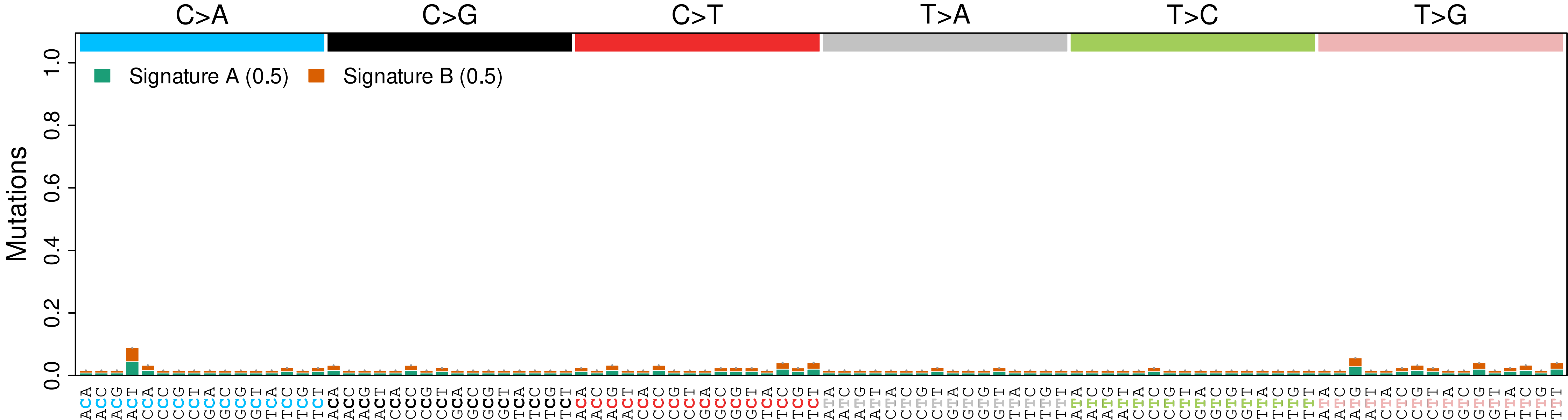
Reconstructed spectrum (cosine similarity = 0.389)



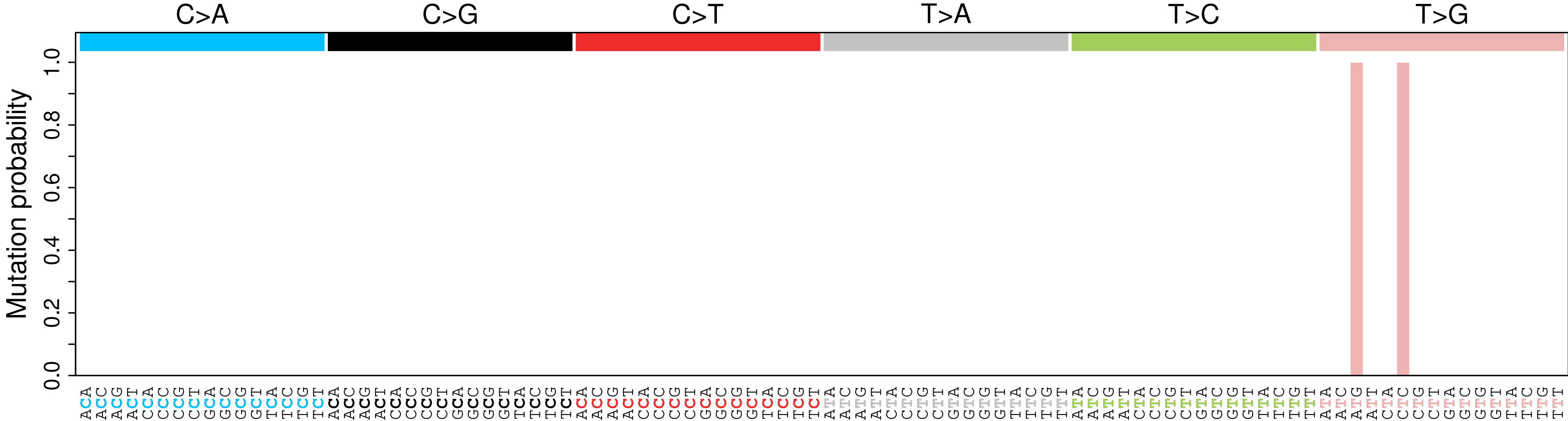
CATD0177a



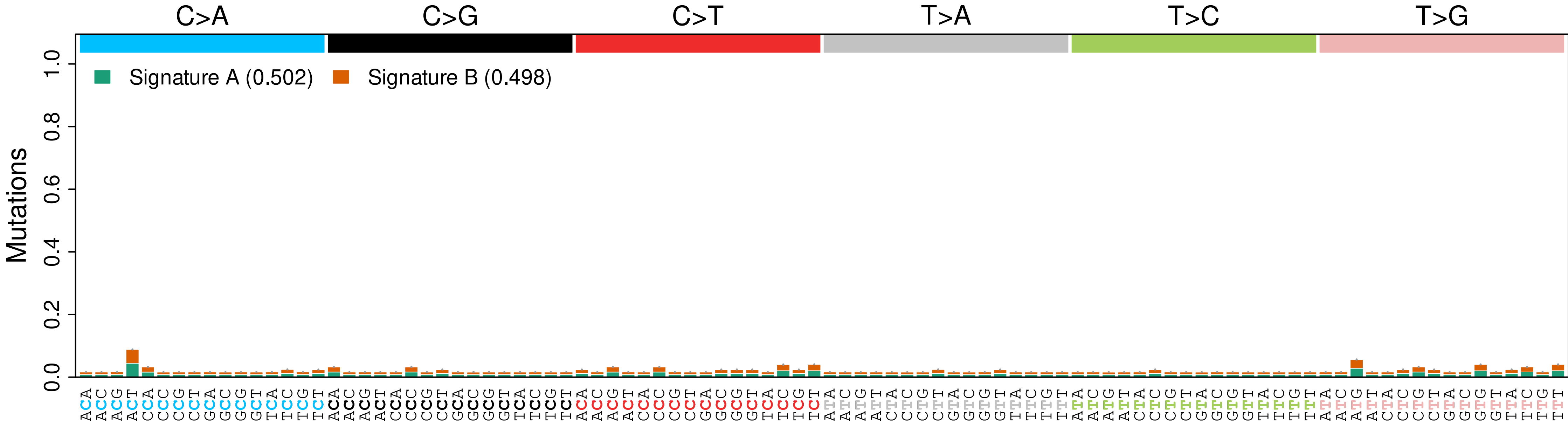
Reconstructed spectrum (cosine similarity = 0.177)



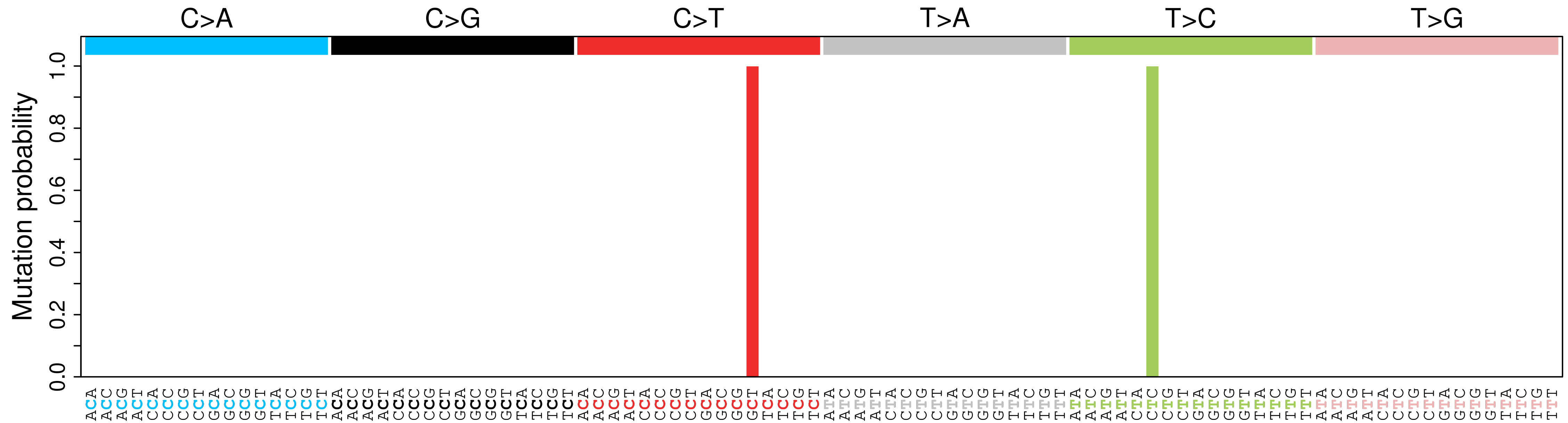
CATD0376a



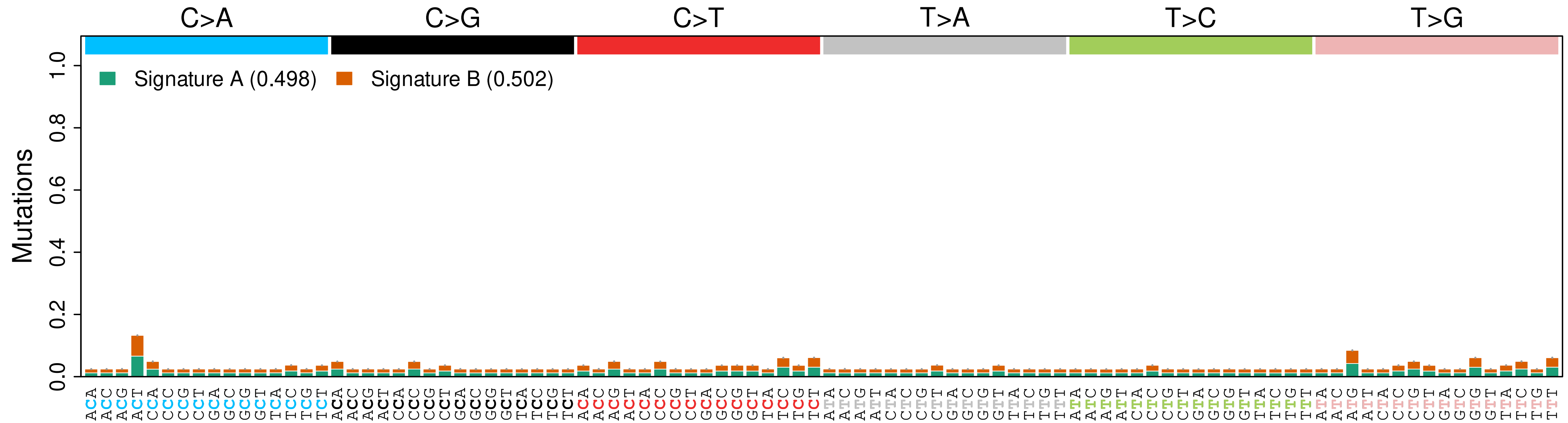
Reconstructed spectrum (cosine similarity = 0.251)



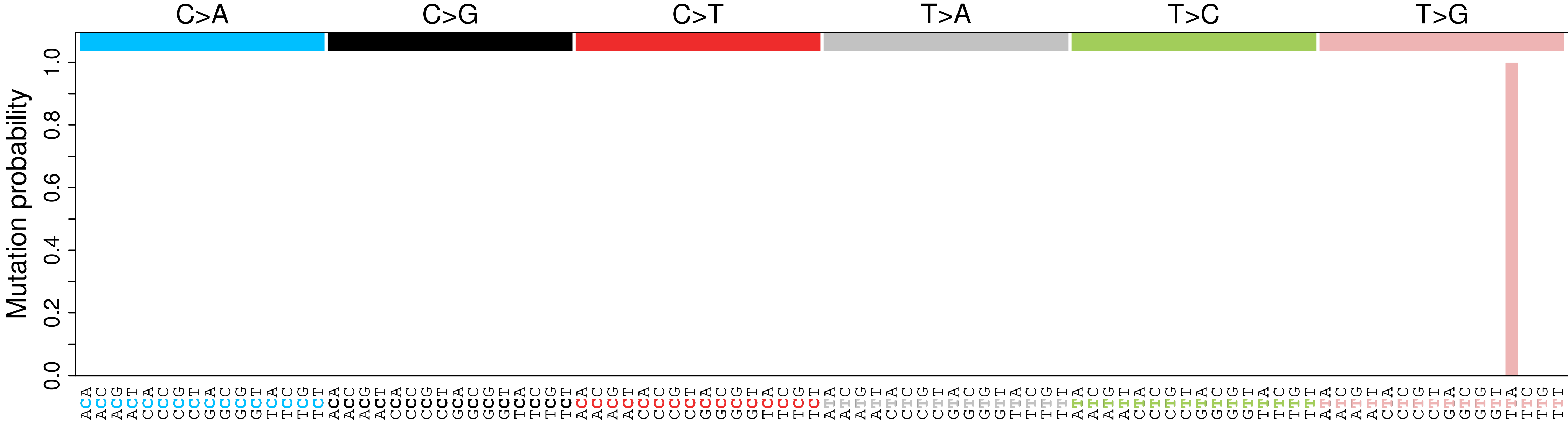
CATD0367a



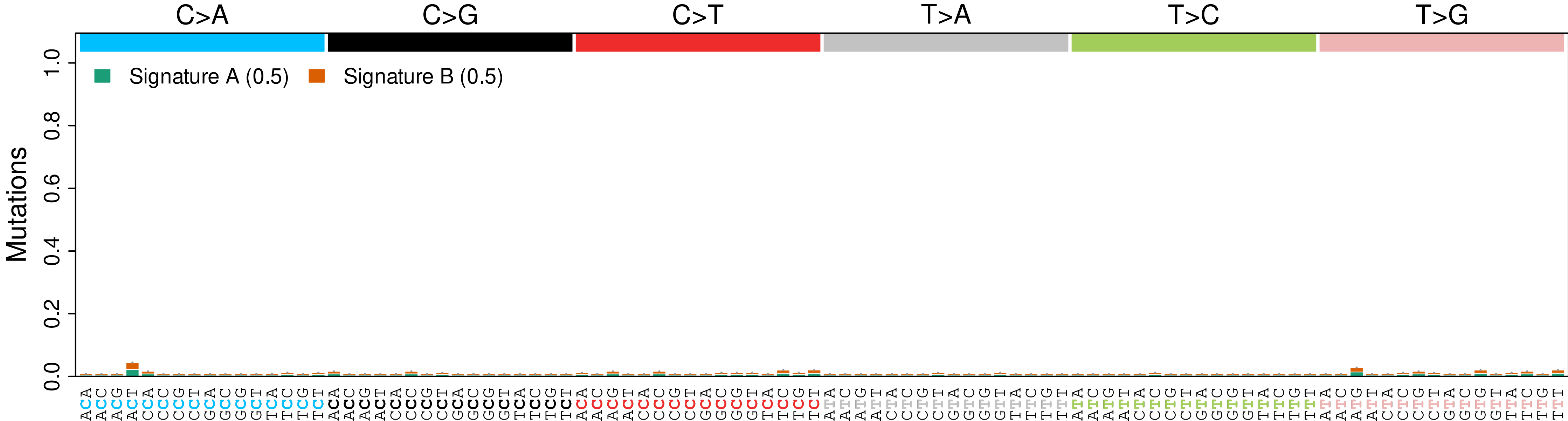
Reconstructed spectrum (cosine similarity = 0.151)

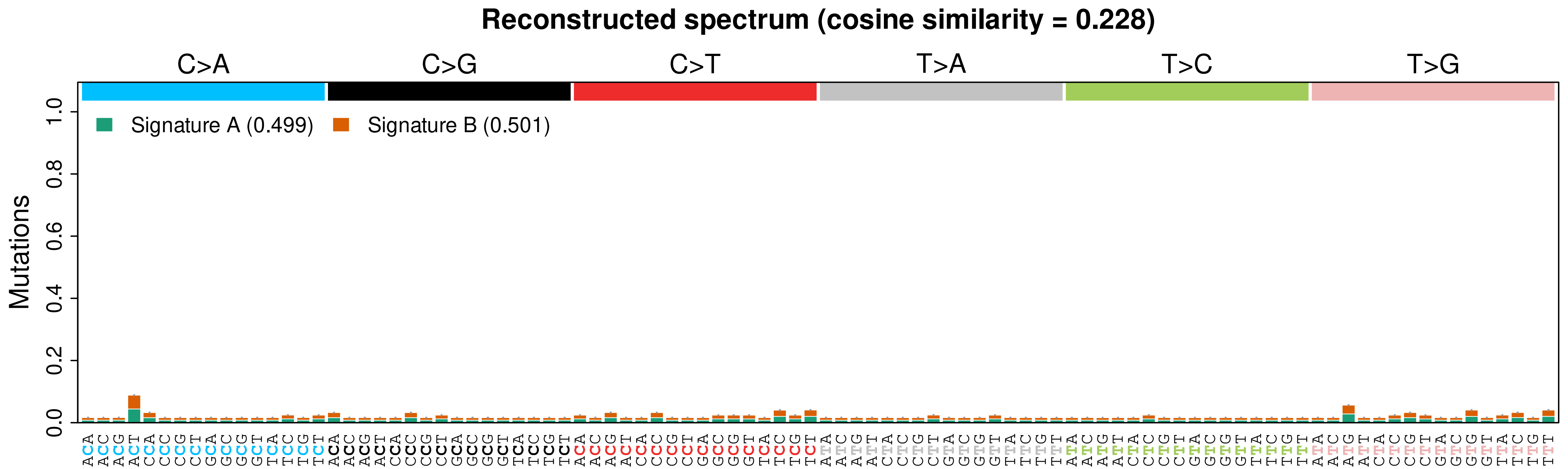
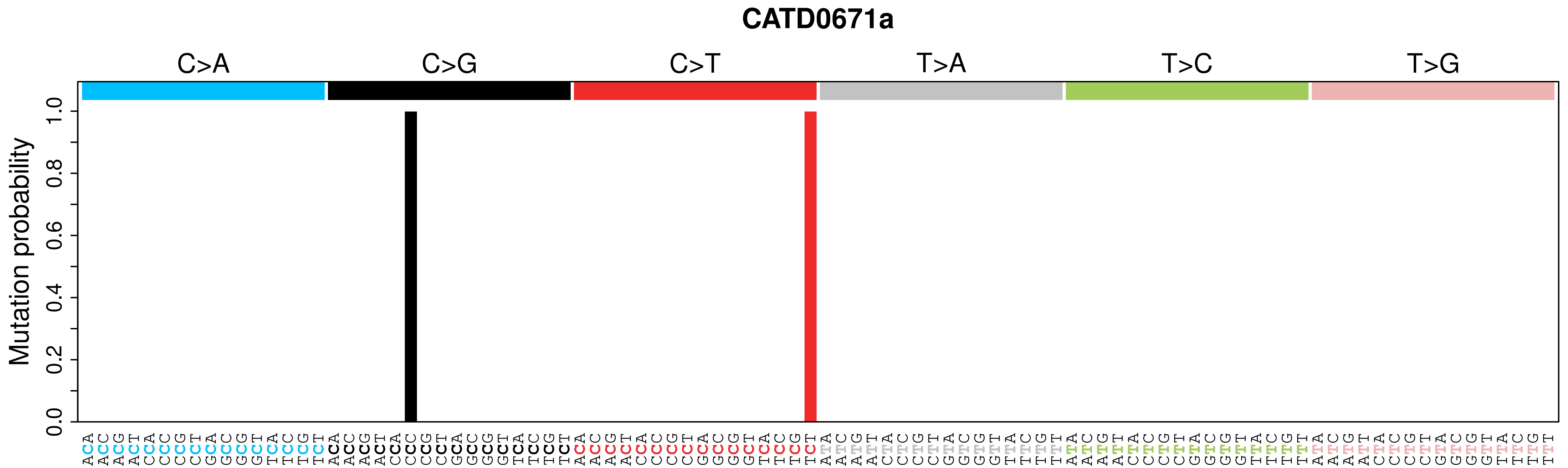


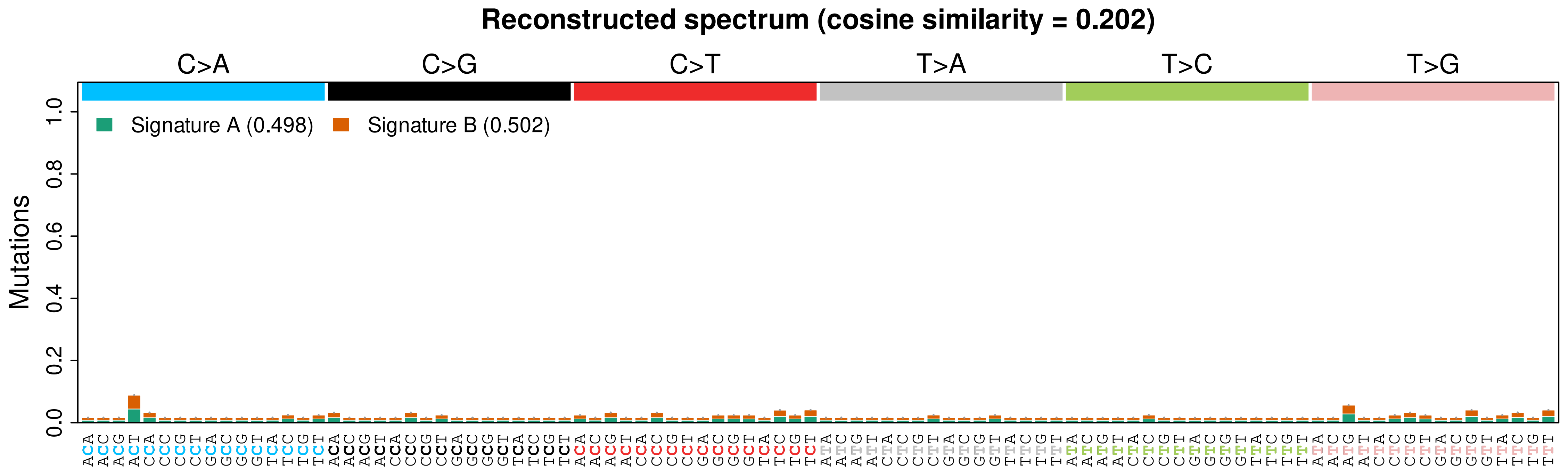
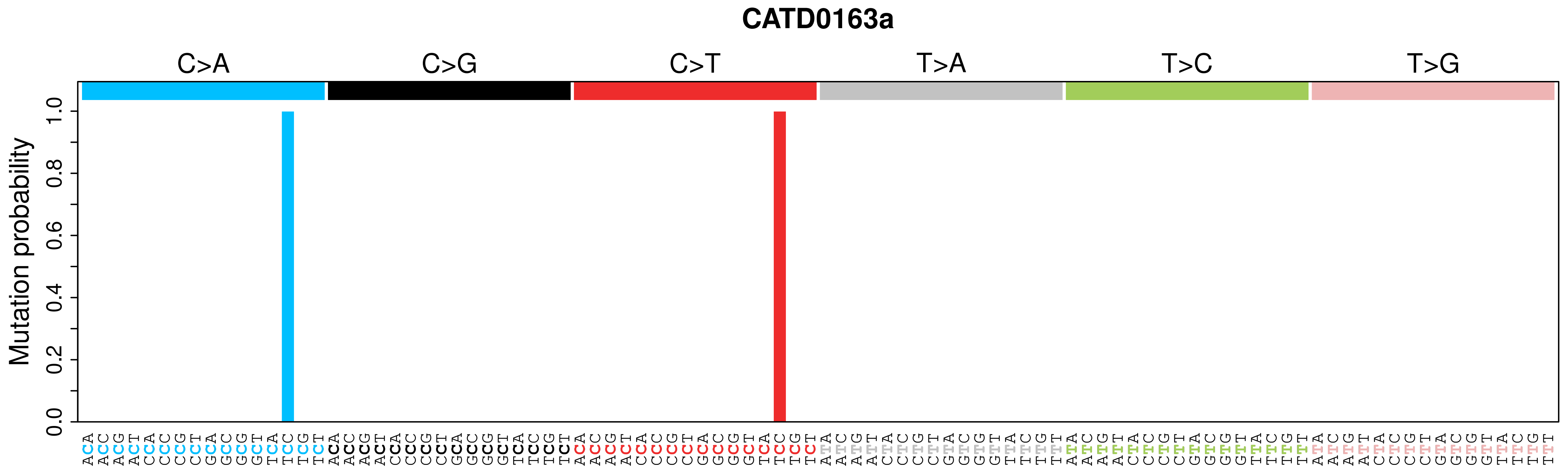
CATD0364a



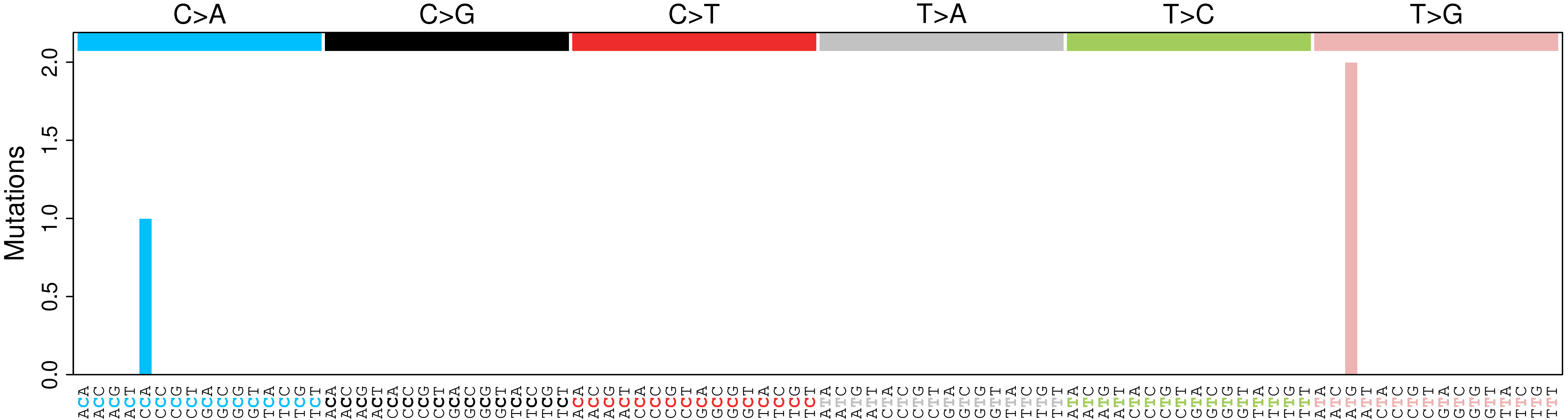
Reconstructed spectrum (cosine similarity = 0.108)







CATD0368a (3 mutations)



Reconstructed spectrum (cosine similarity = 0.286)

