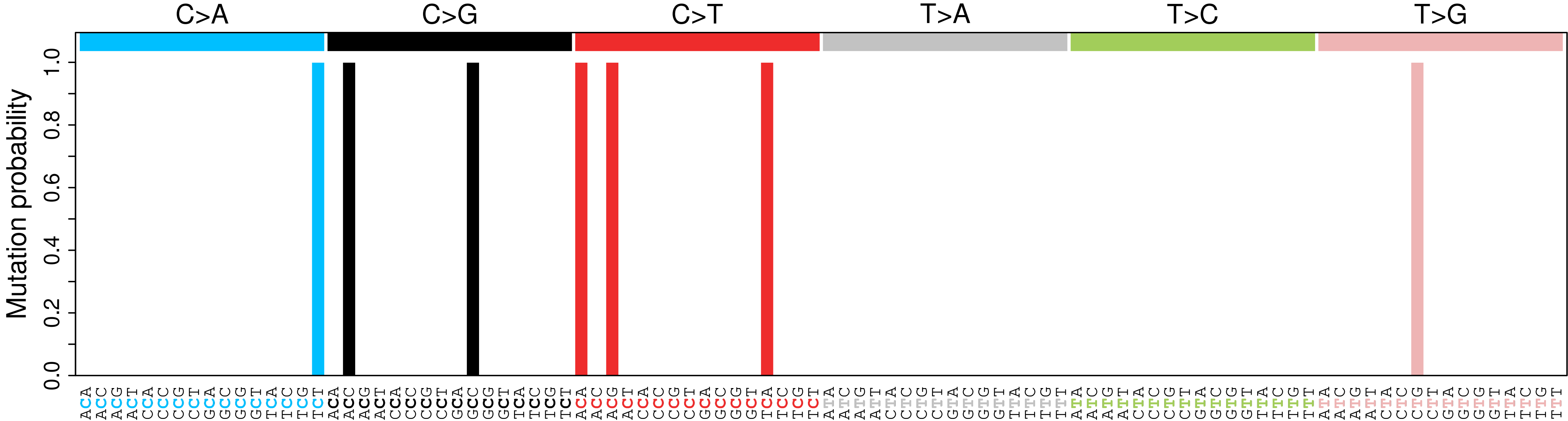
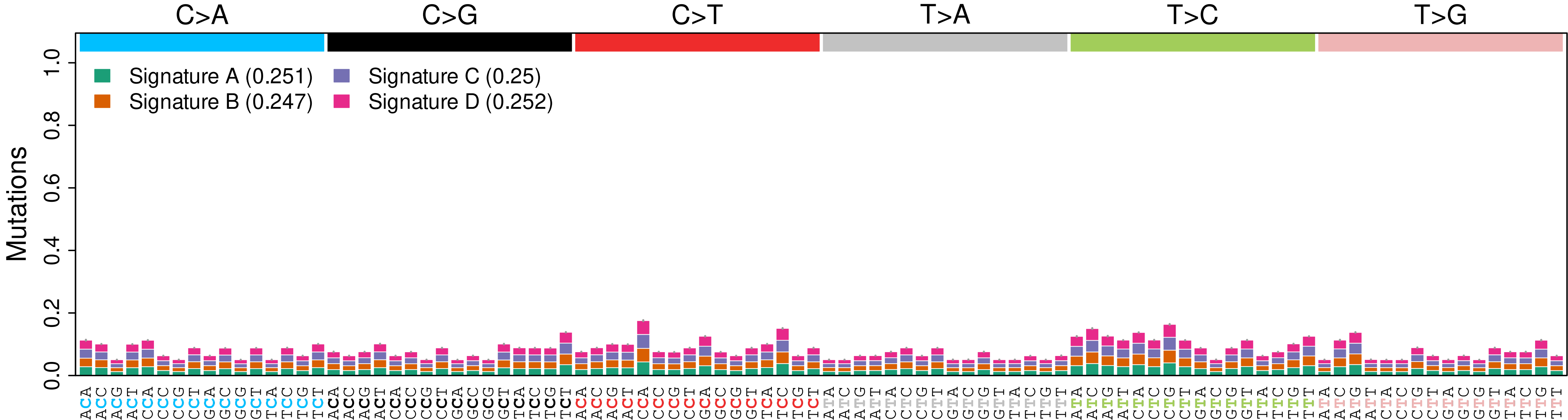


CATD0414a



Reconstructed spectrum (cosine similarity = 0.26)



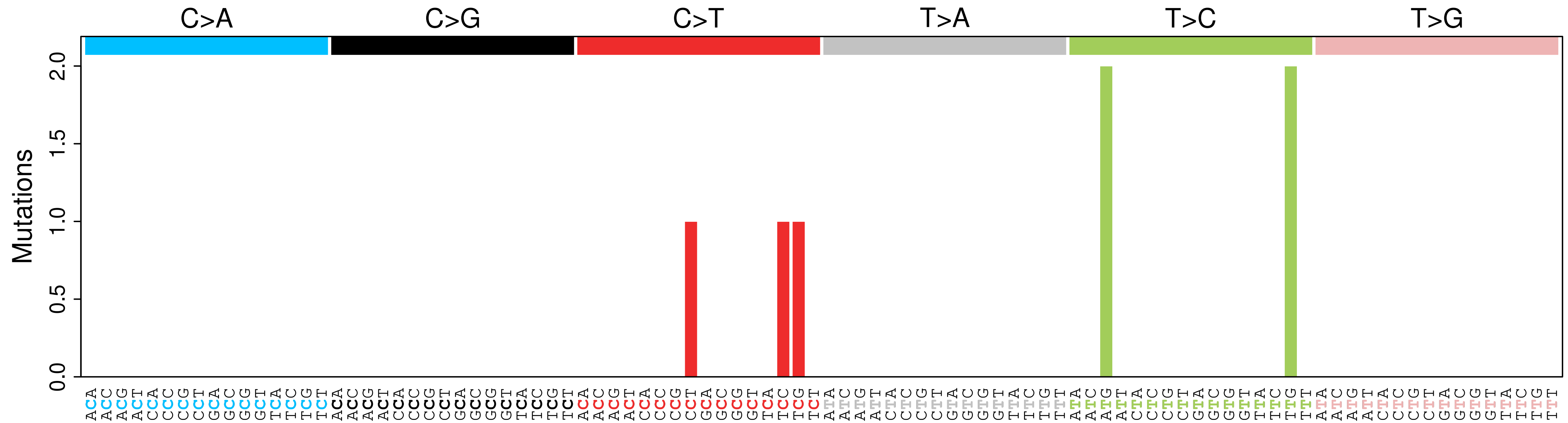
CATD0105a



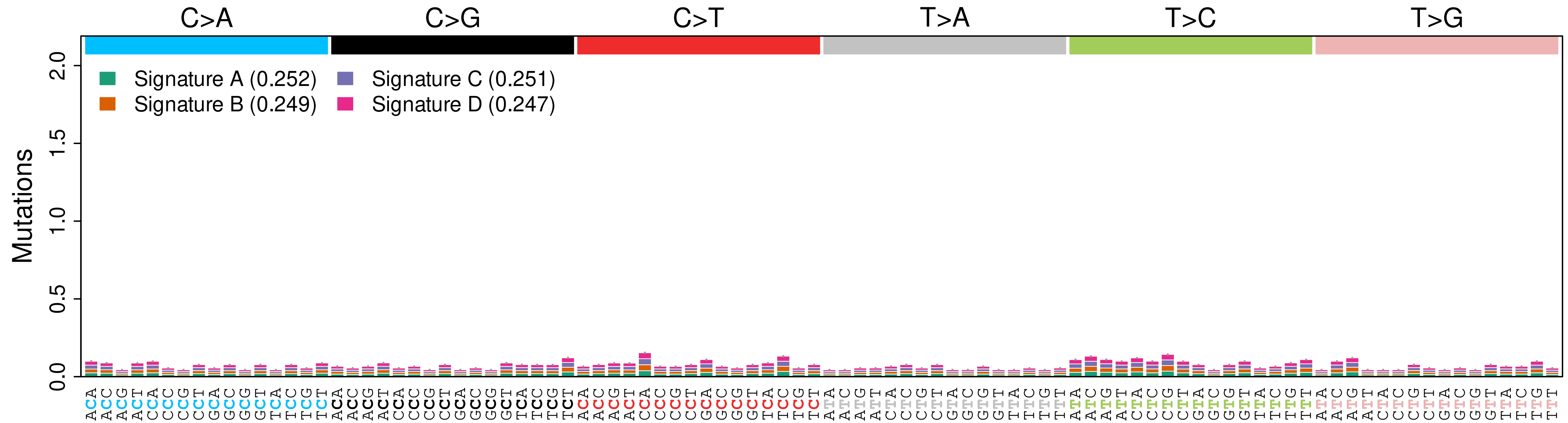
Reconstructed spectrum (cosine similarity = 0.286)



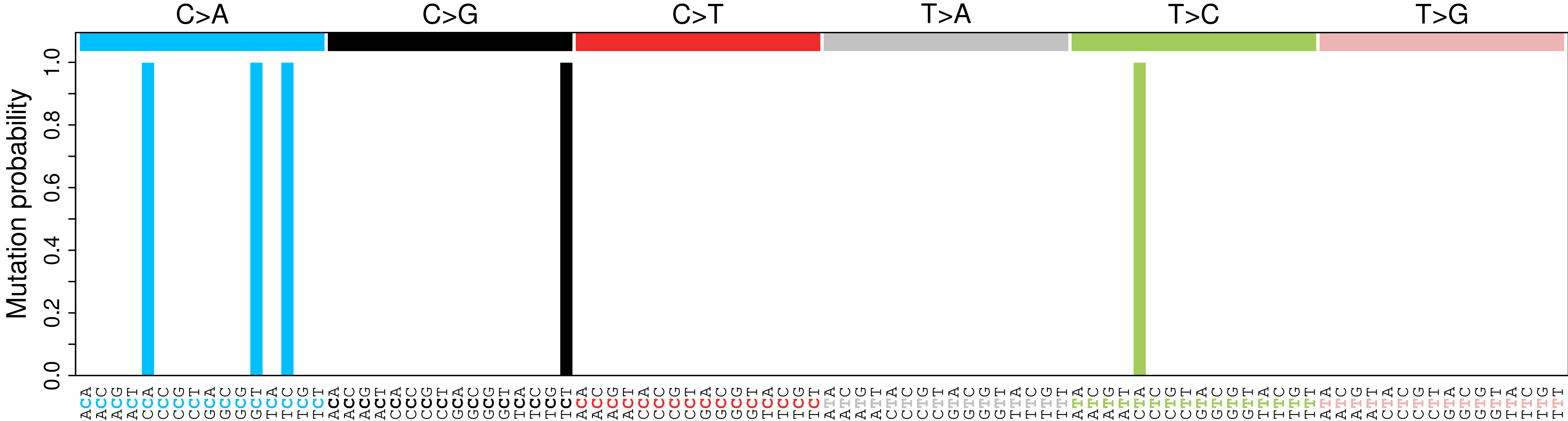
CATD0090a (7 mutations)



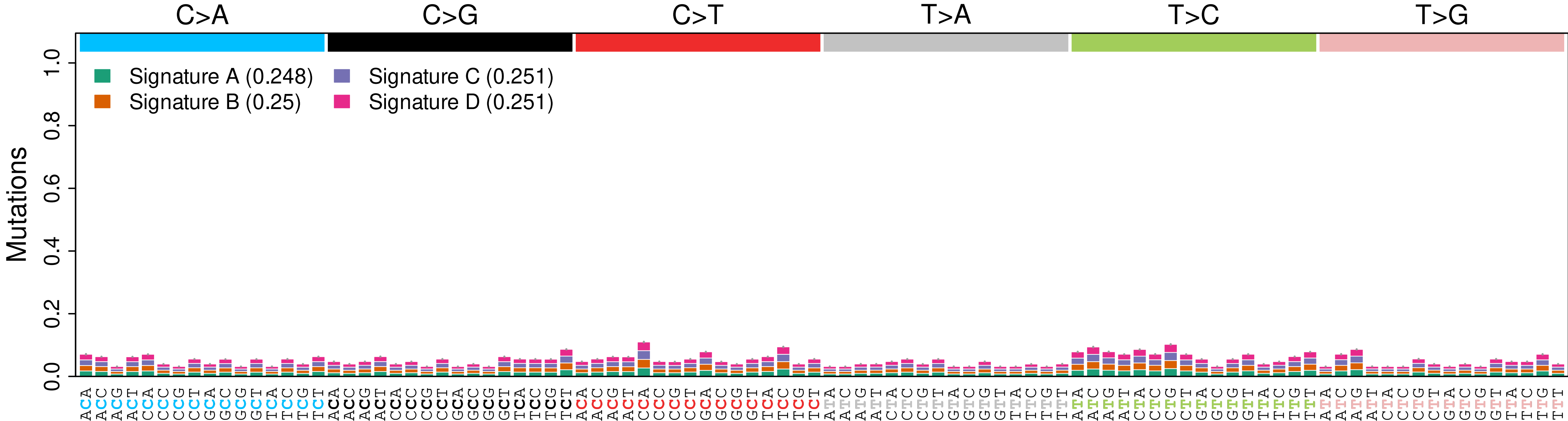
Reconstructed spectrum (cosine similarity = 0.264)



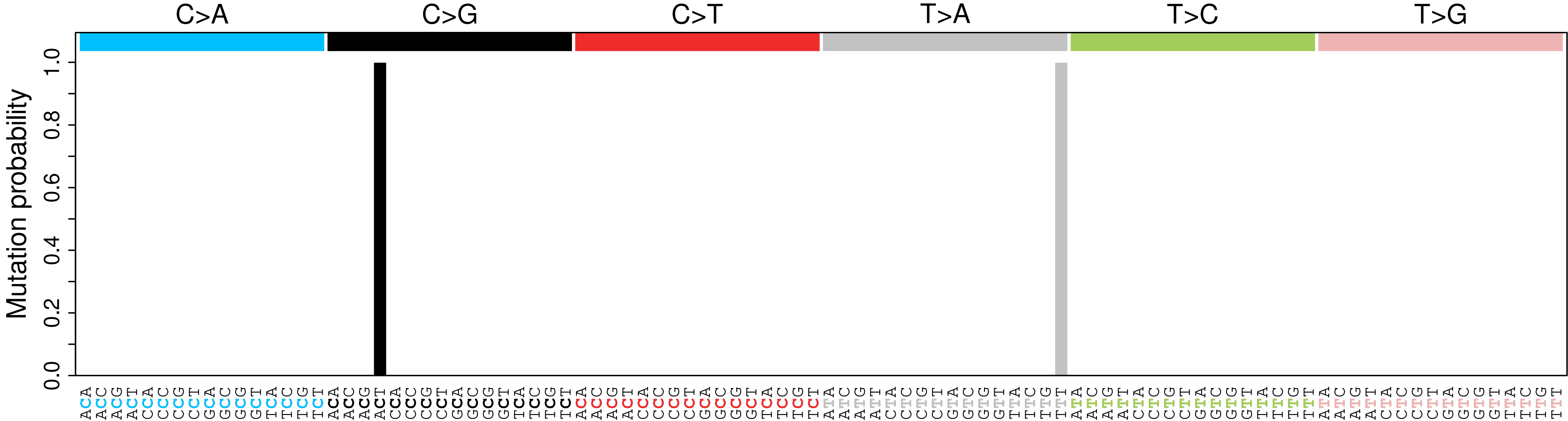
CATD0088a



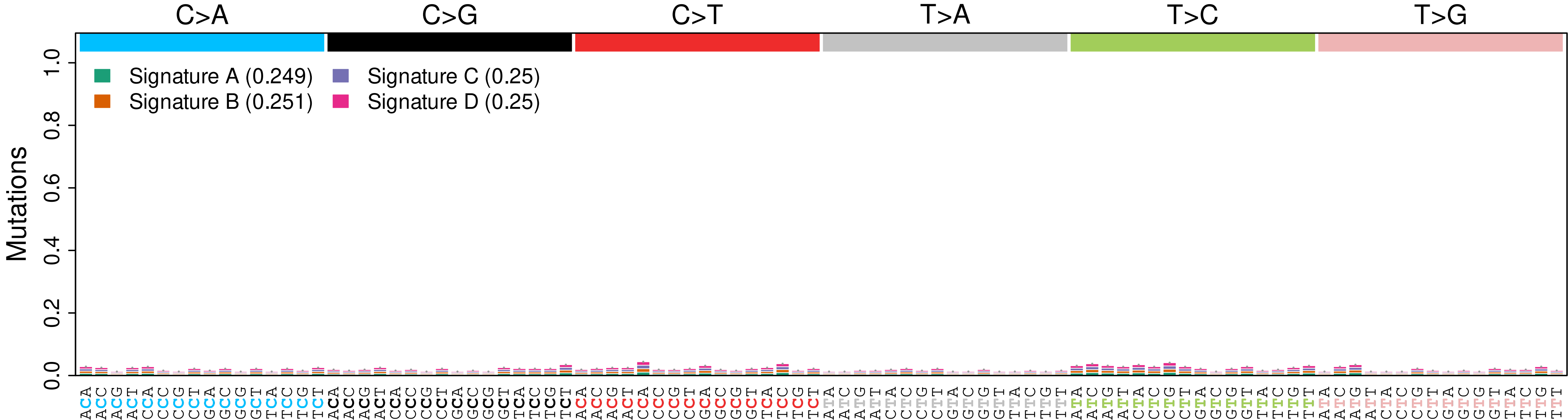
Reconstructed spectrum (cosine similarity = 0.292)



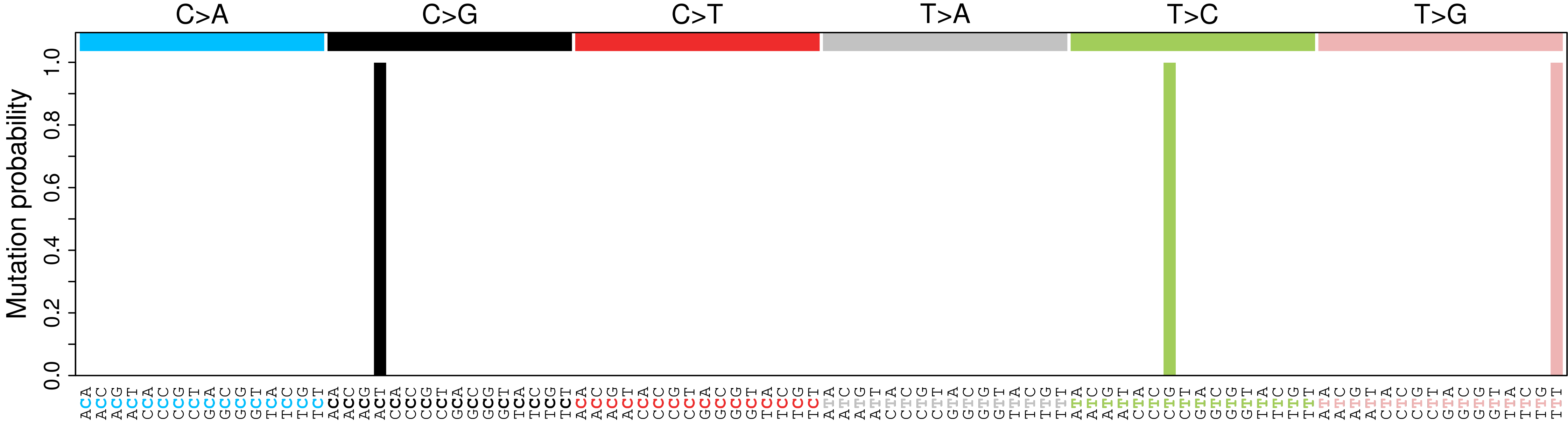
CATD0400a



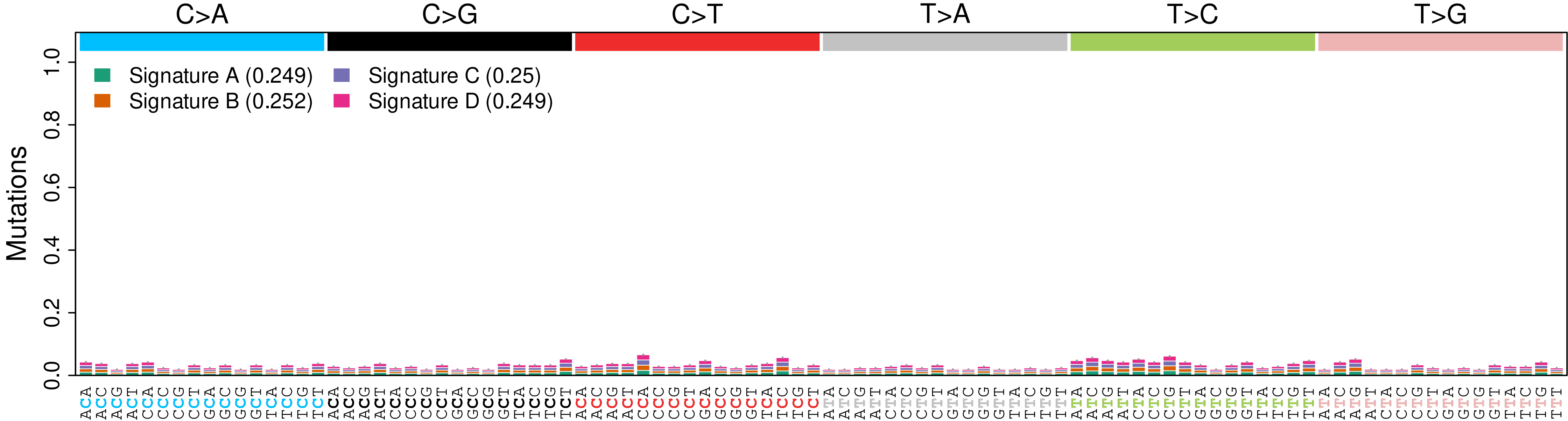
Reconstructed spectrum (cosine similarity = 0.135)

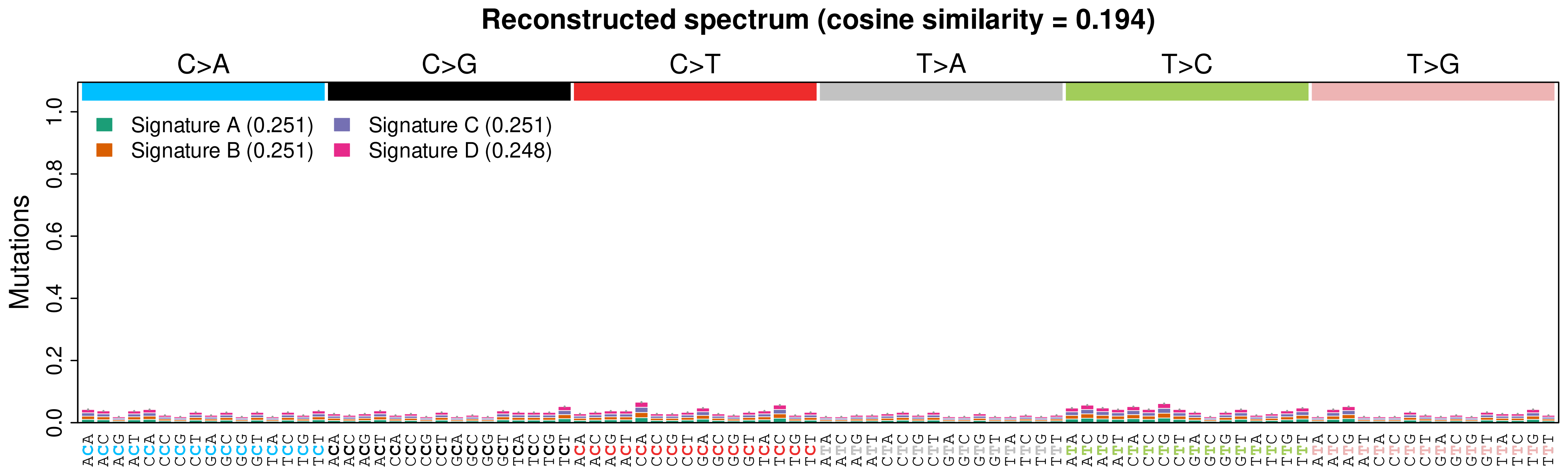
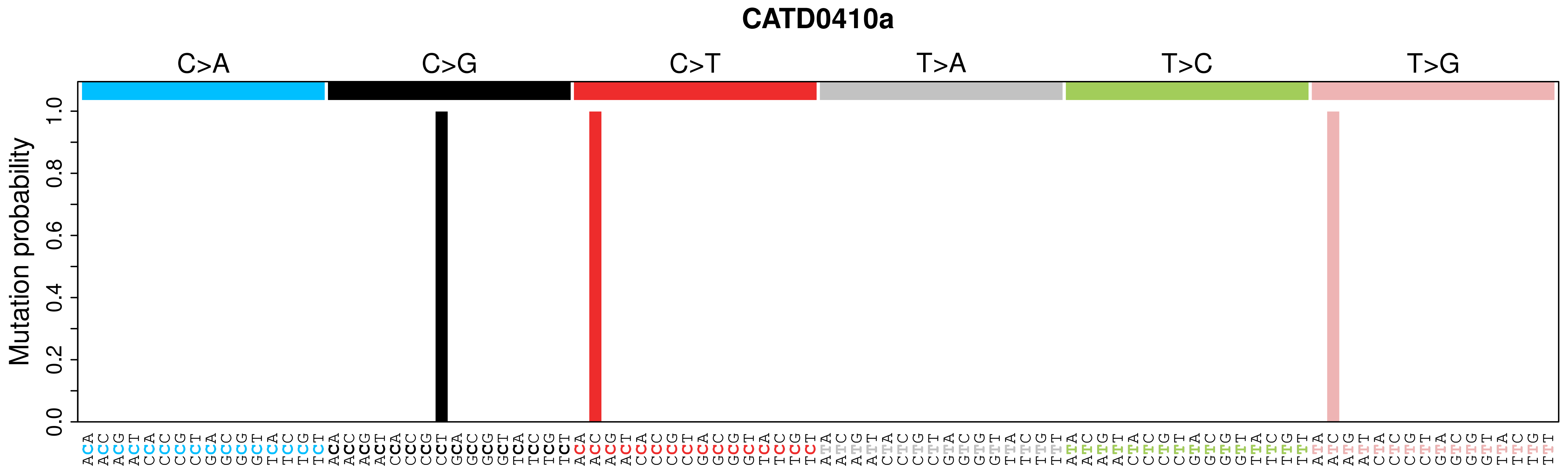


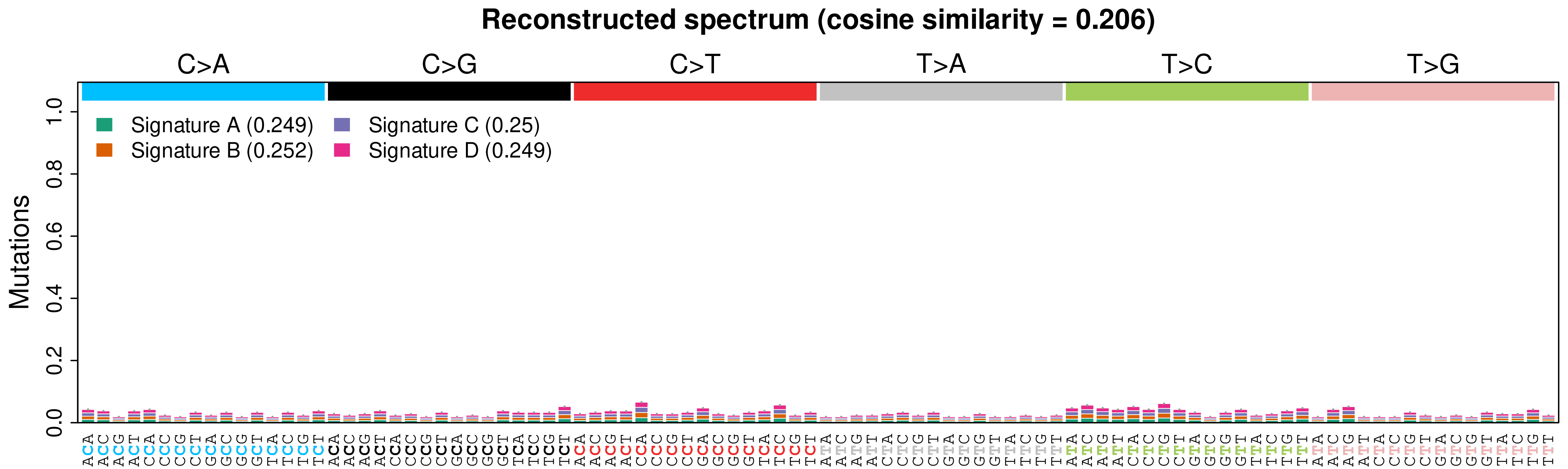
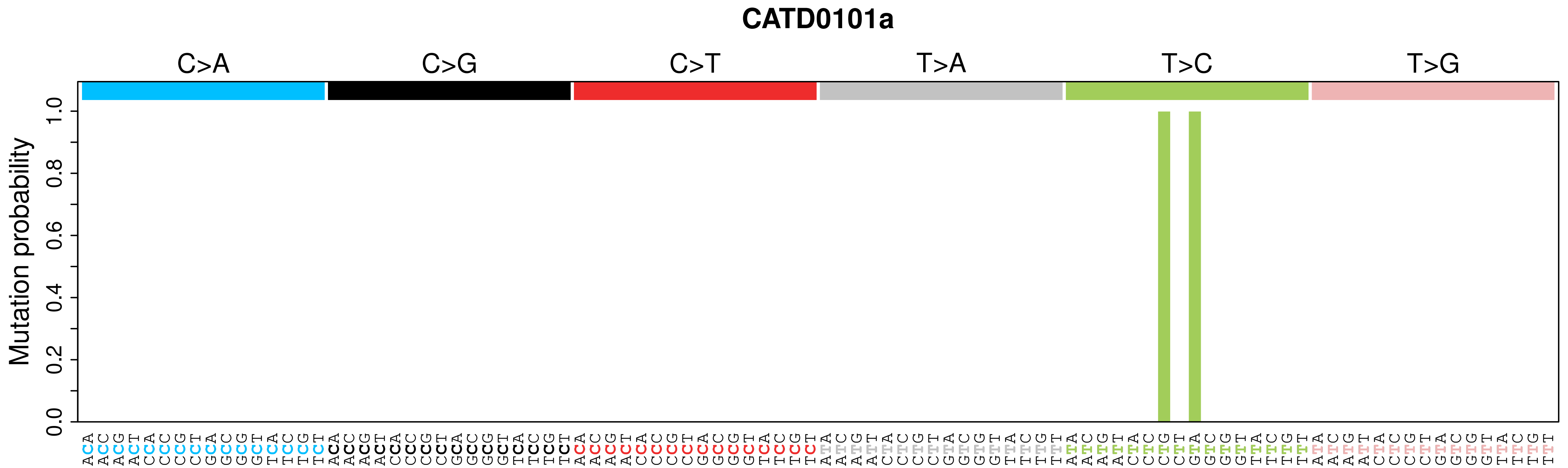
CATD0095a



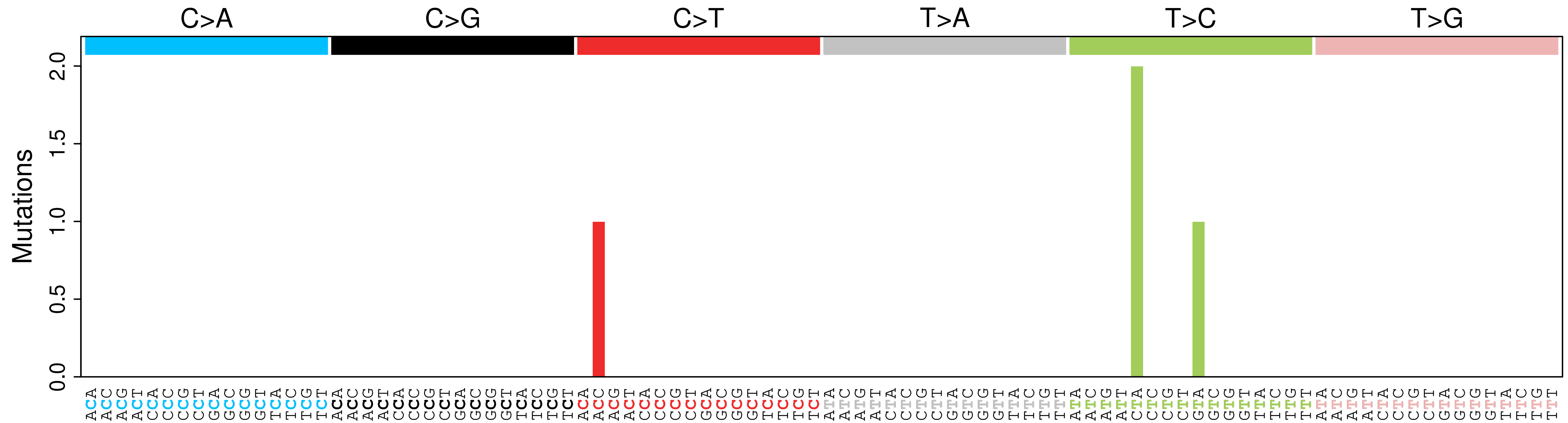
Reconstructed spectrum (cosine similarity = 0.219)



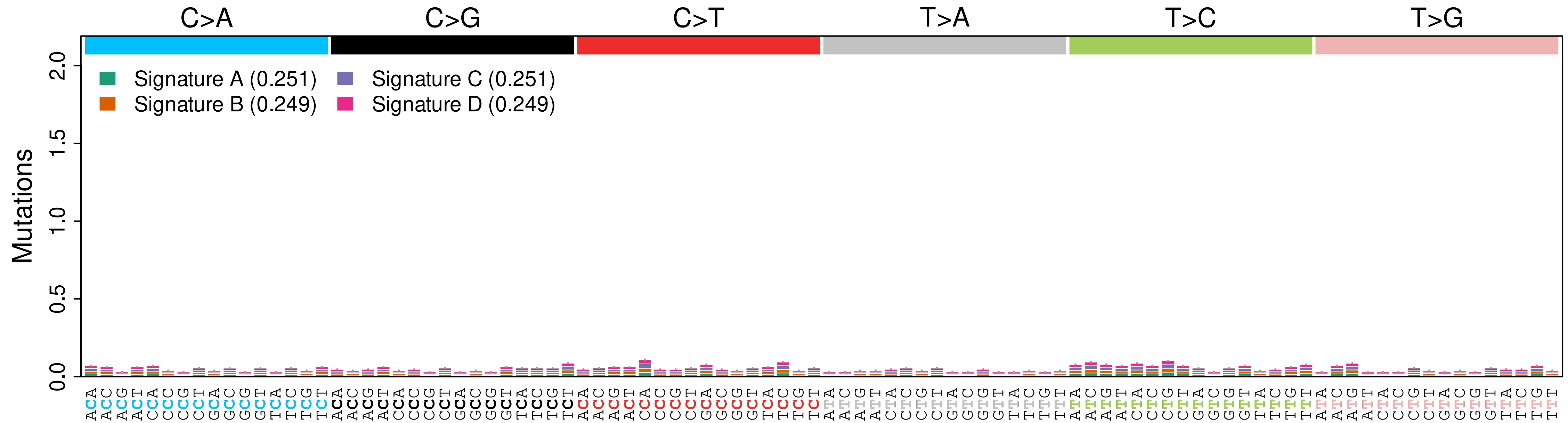




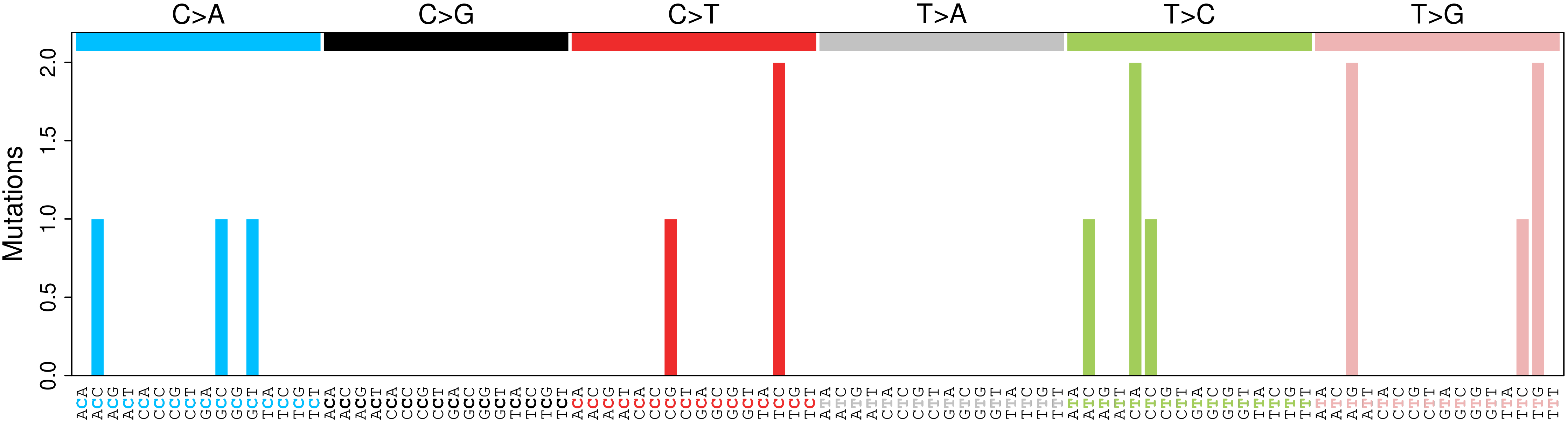
CATD0100a (4 mutations)



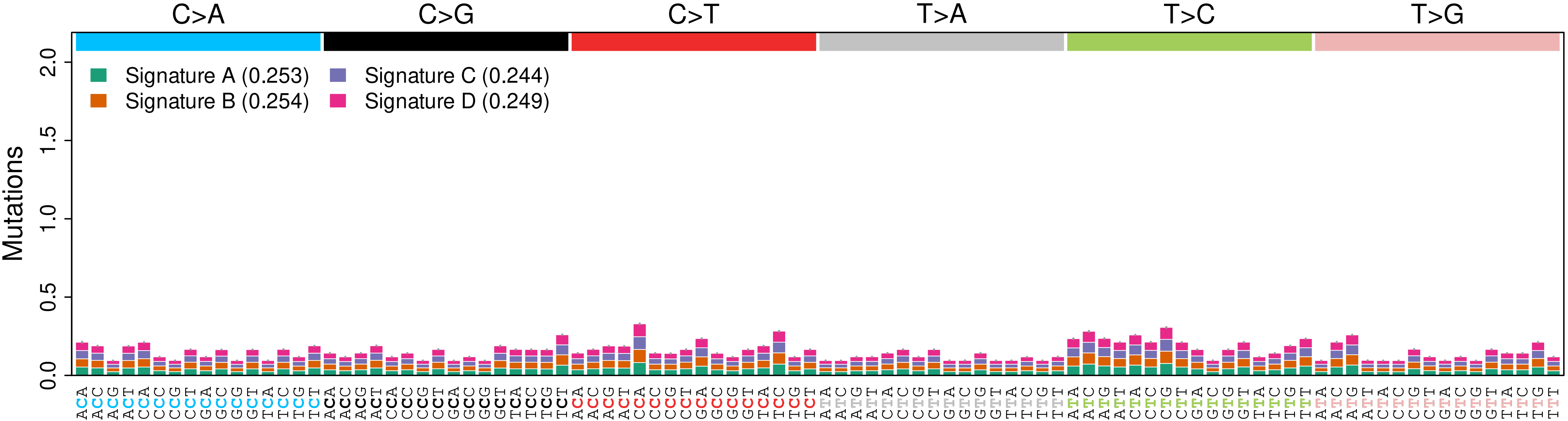
Reconstructed spectrum (cosine similarity = 0.214)



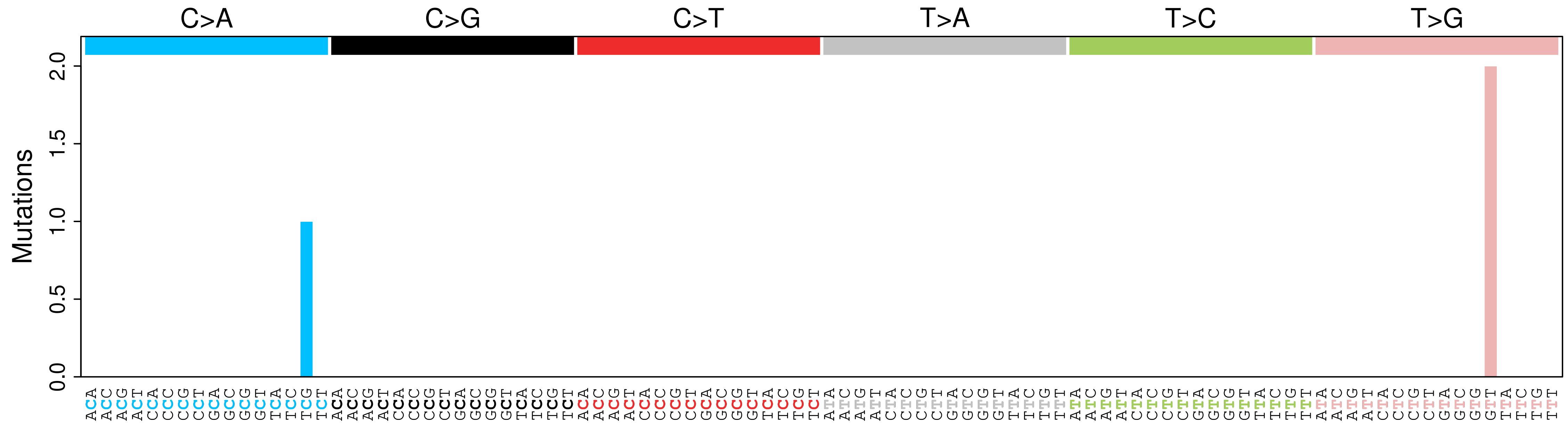
CATD0118a (15 mutations)



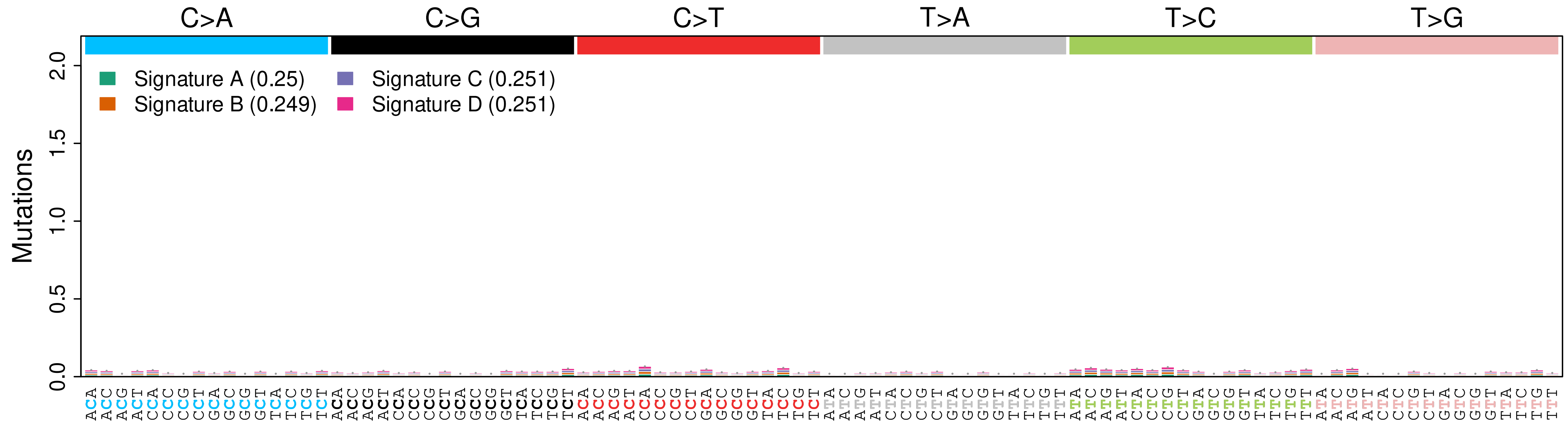
Reconstructed spectrum (cosine similarity = 0.427)



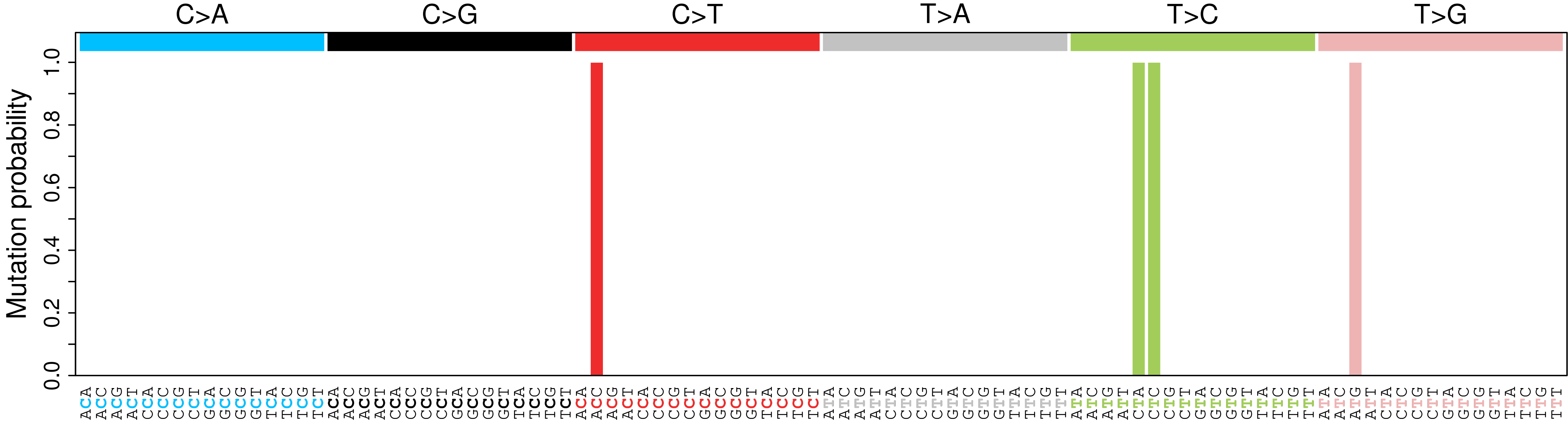
CATD0108a (3 mutations)



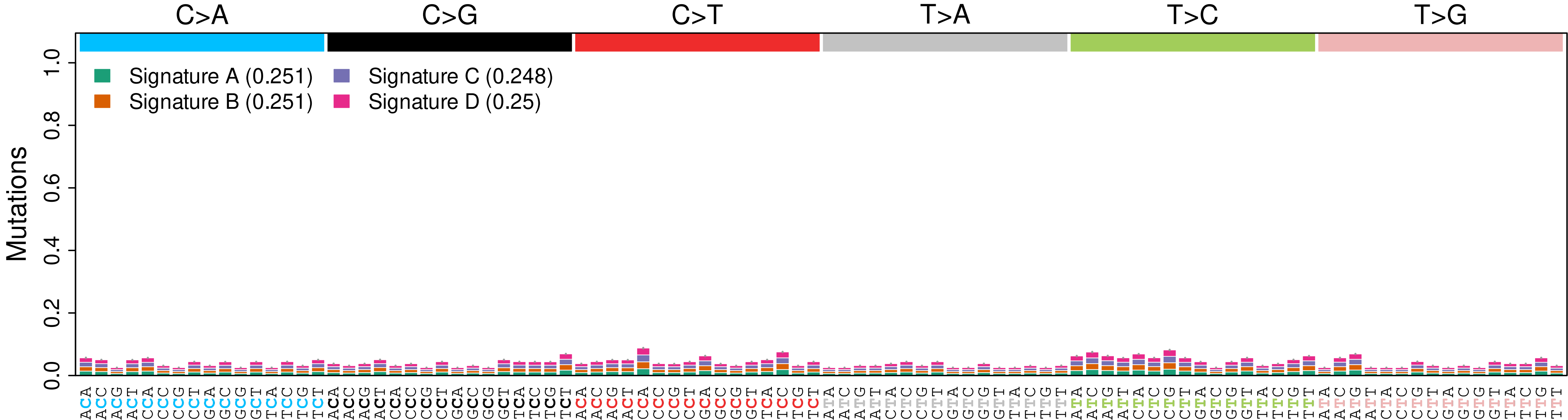
Reconstructed spectrum (cosine similarity = 0.124)



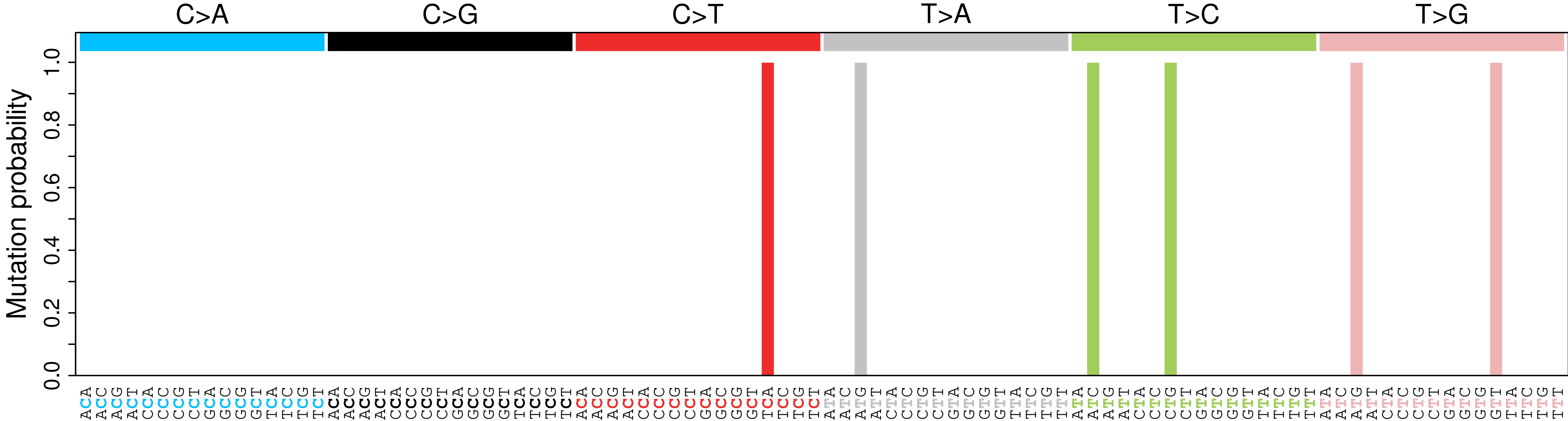
CATD0106a



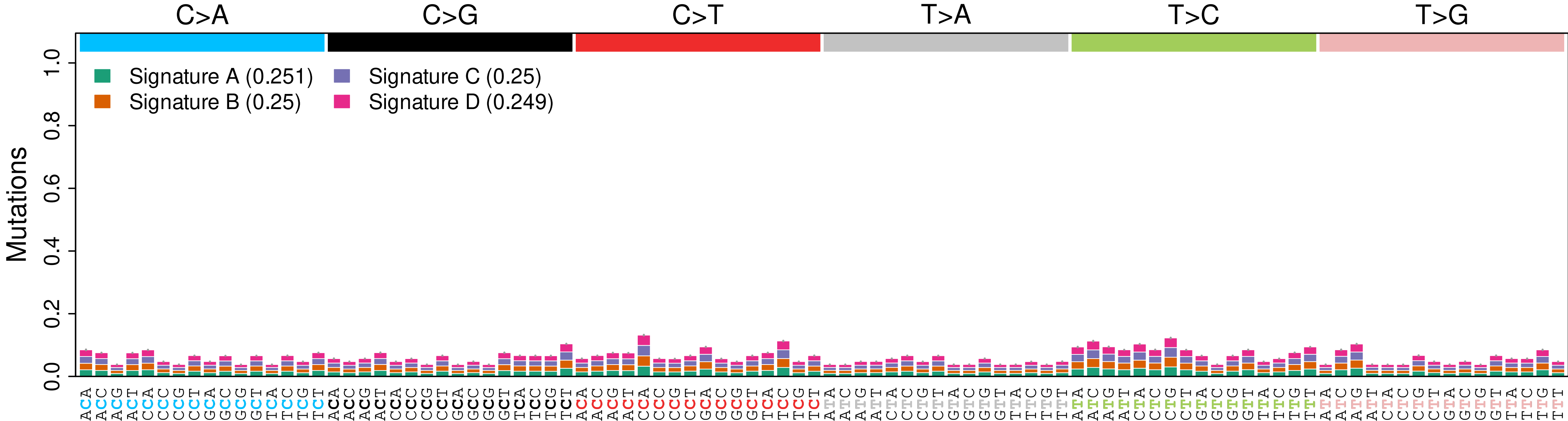
Reconstructed spectrum (cosine similarity = 0.276)



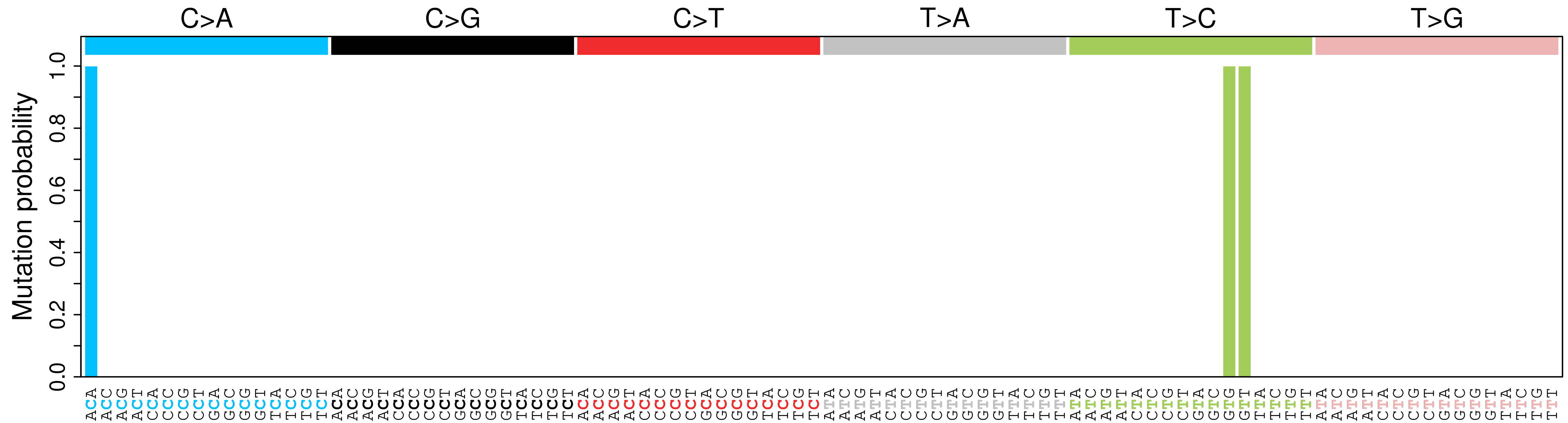
CATD0107a



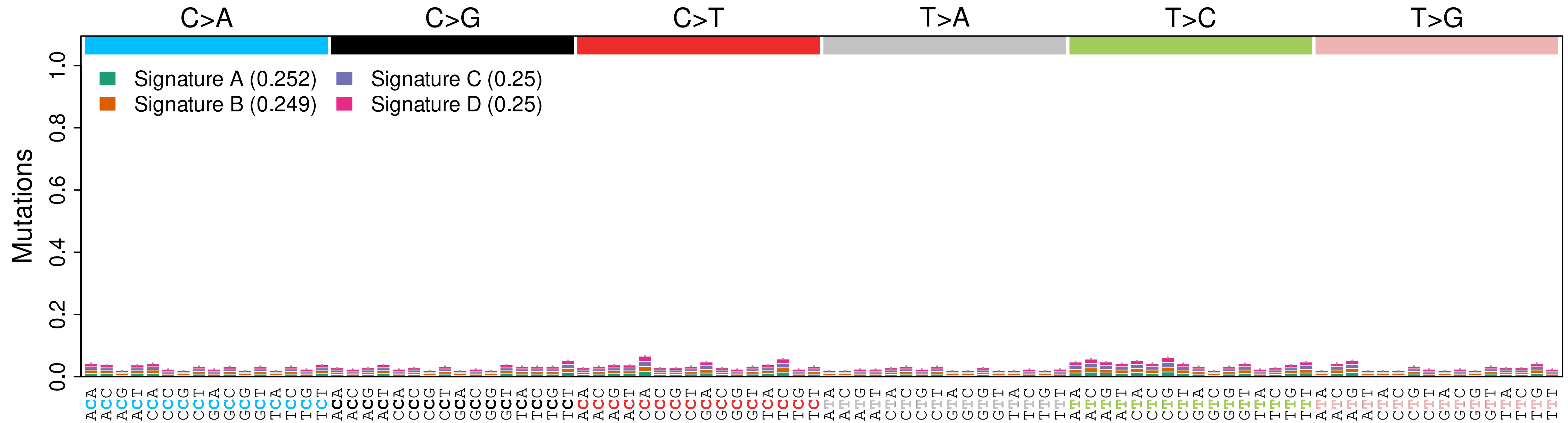
Reconstructed spectrum (cosine similarity = 0.333)



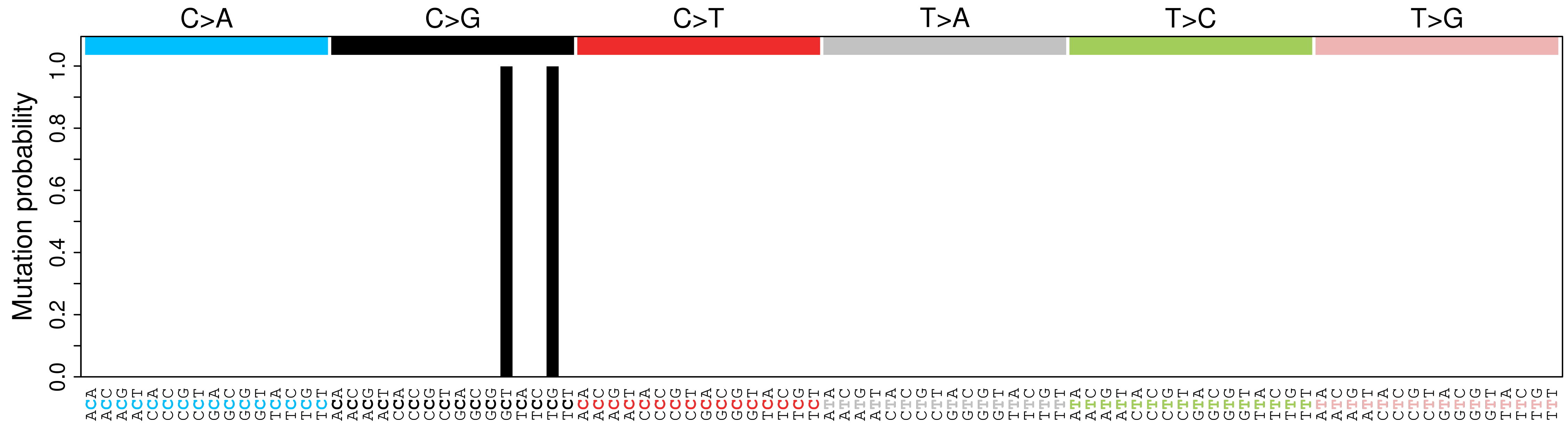
CATD0112a



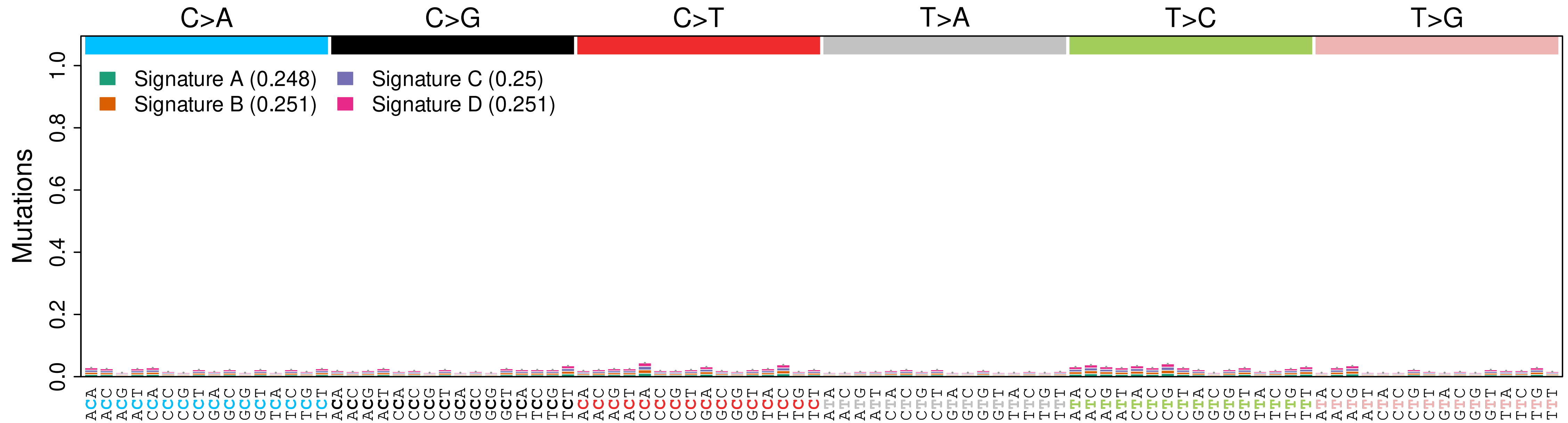
Reconstructed spectrum (cosine similarity = 0.21)



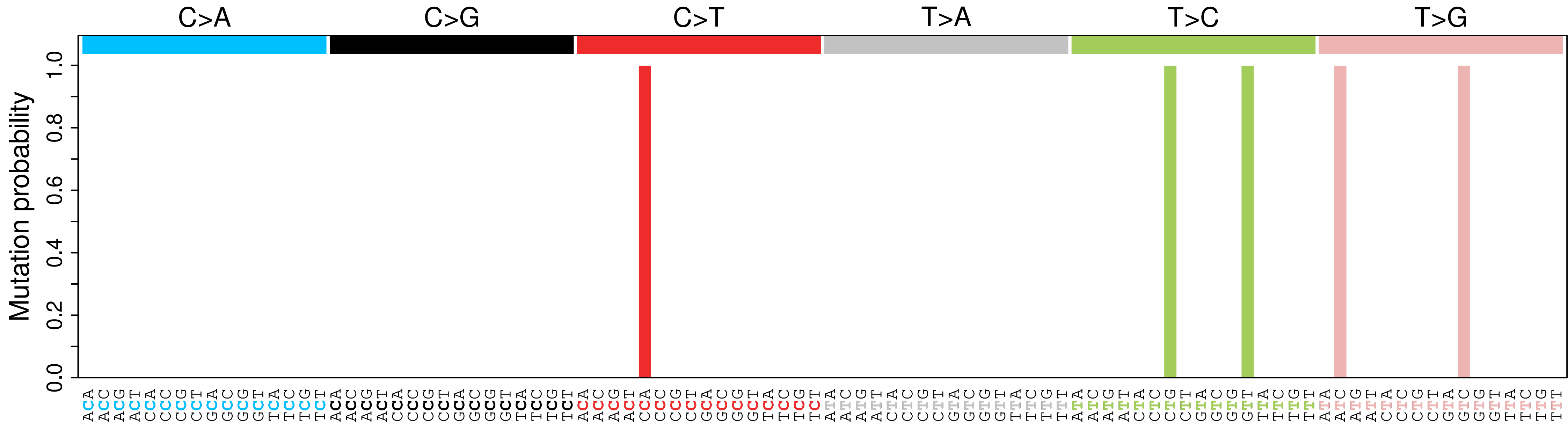
CATD0412a



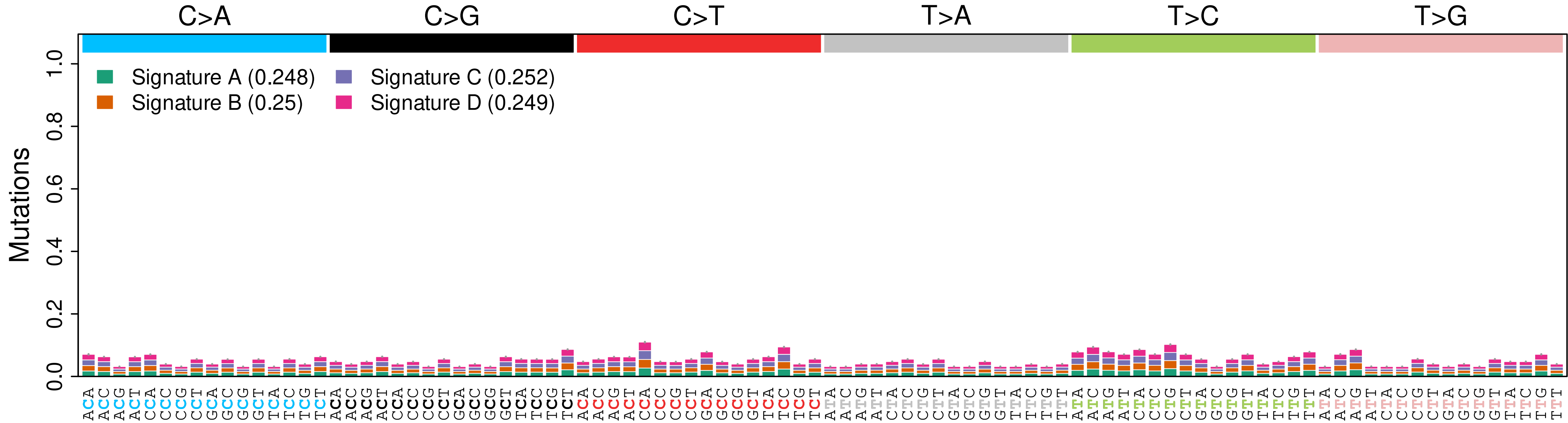
Reconstructed spectrum (cosine similarity = 0.154)



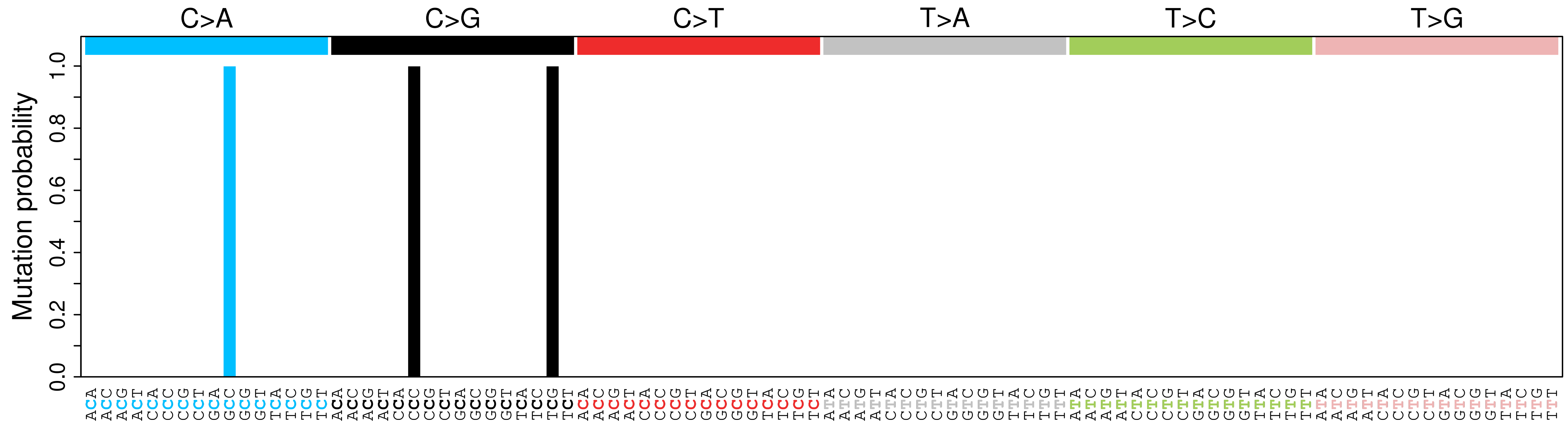
CATD0110a



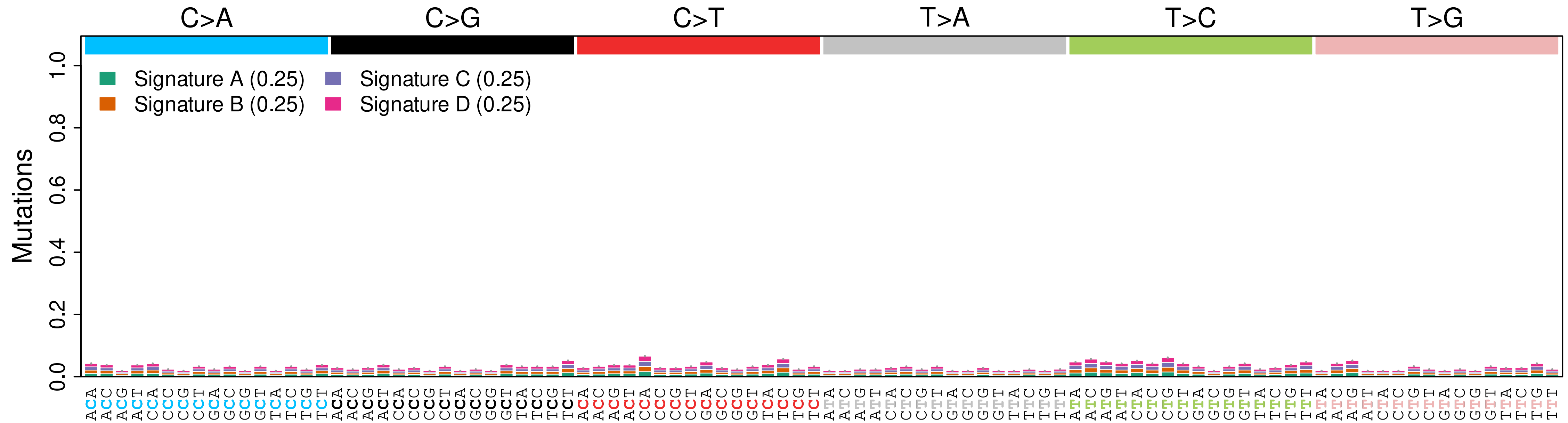
Reconstructed spectrum (cosine similarity = 0.326)



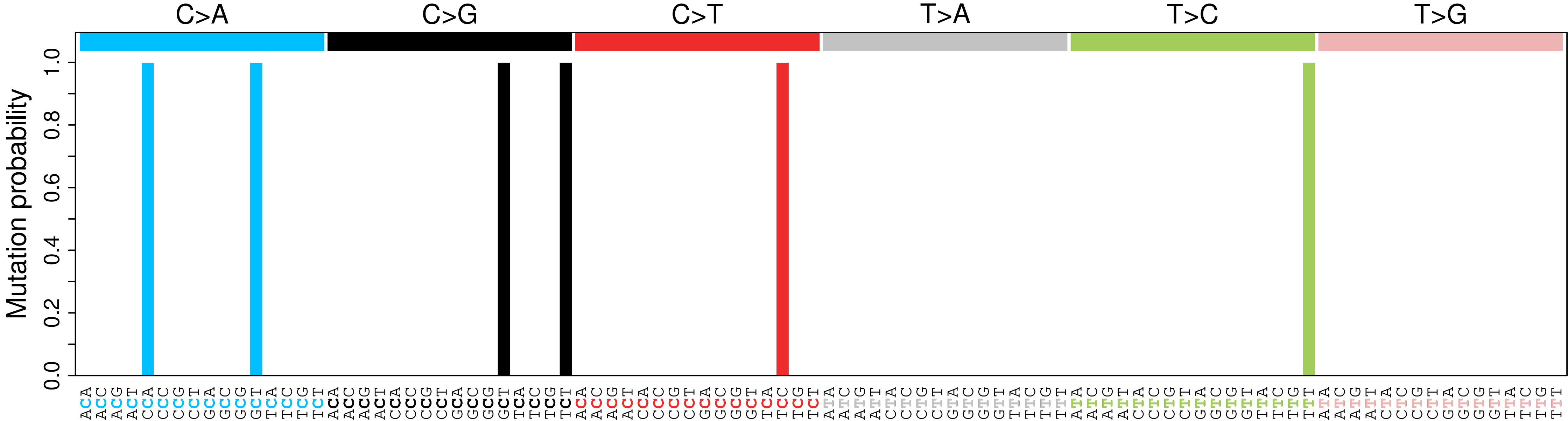
CATD0117a



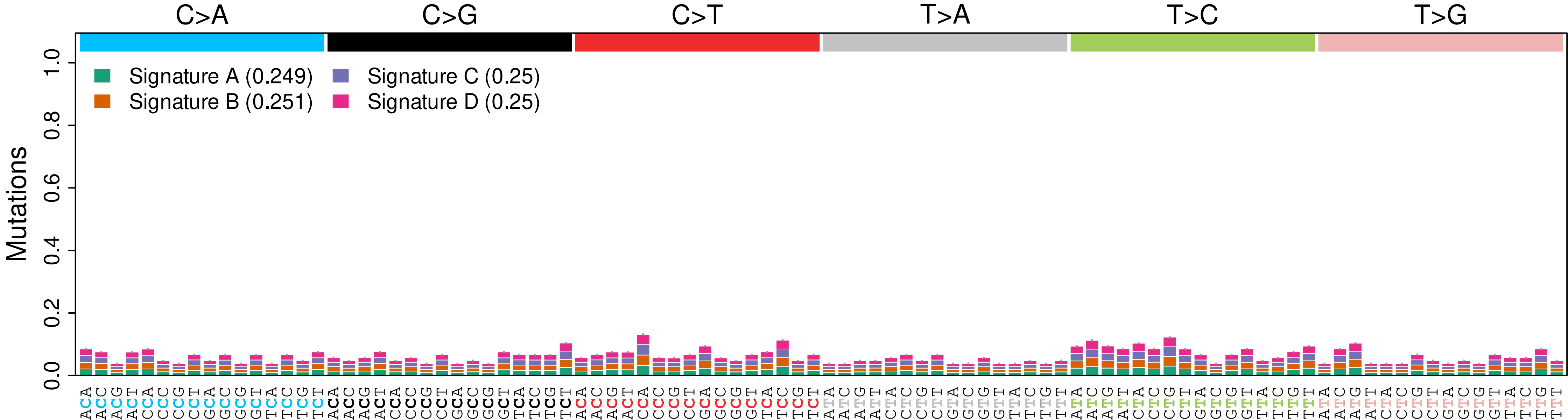
Reconstructed spectrum (cosine similarity = 0.168)



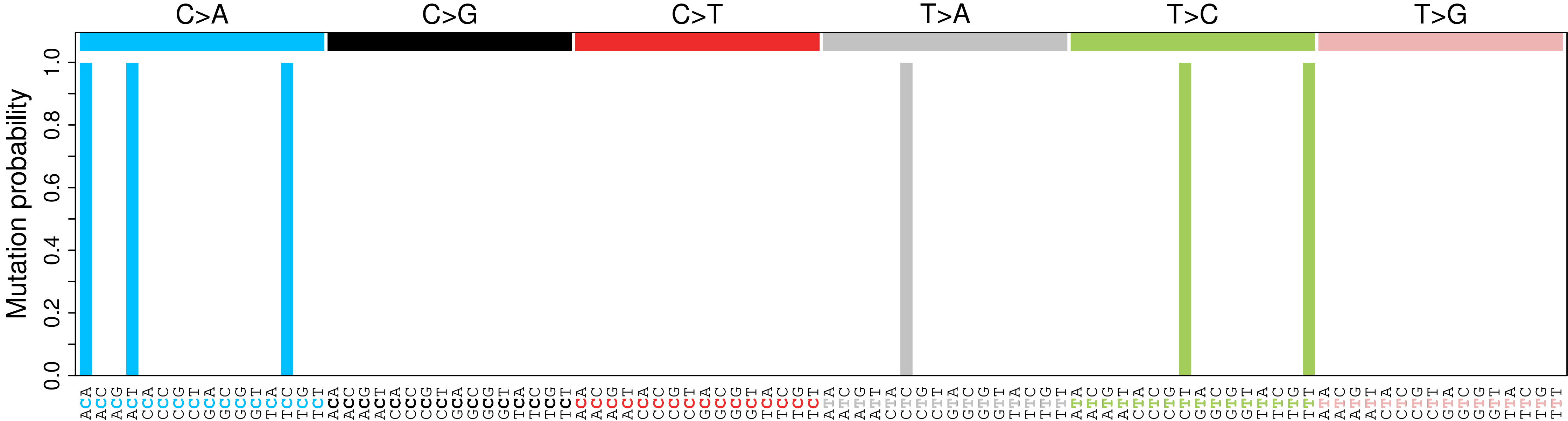
CATD0084a



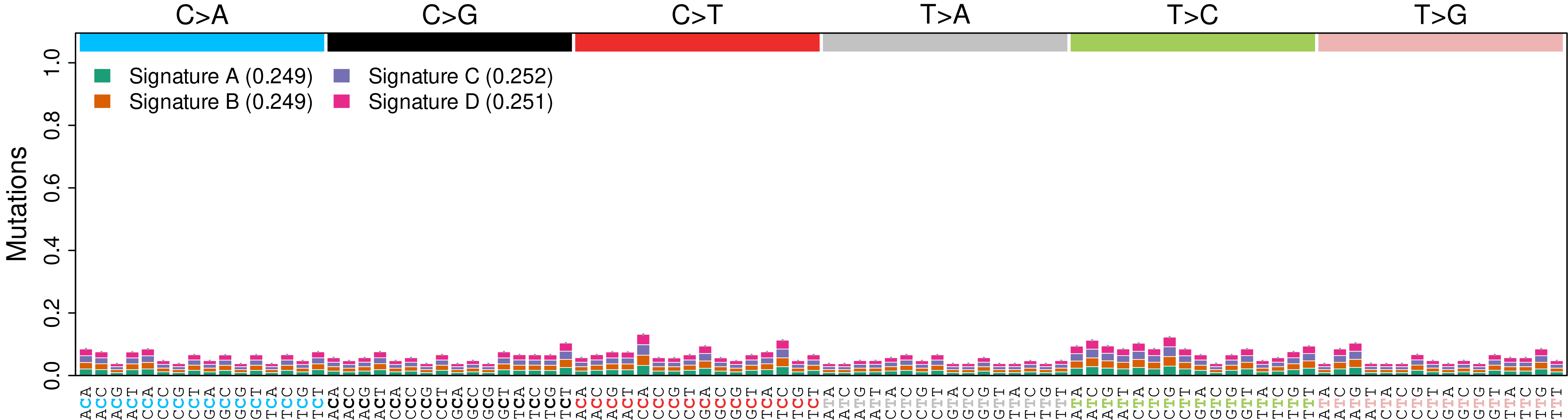
Reconstructed spectrum (cosine similarity = 0.338)

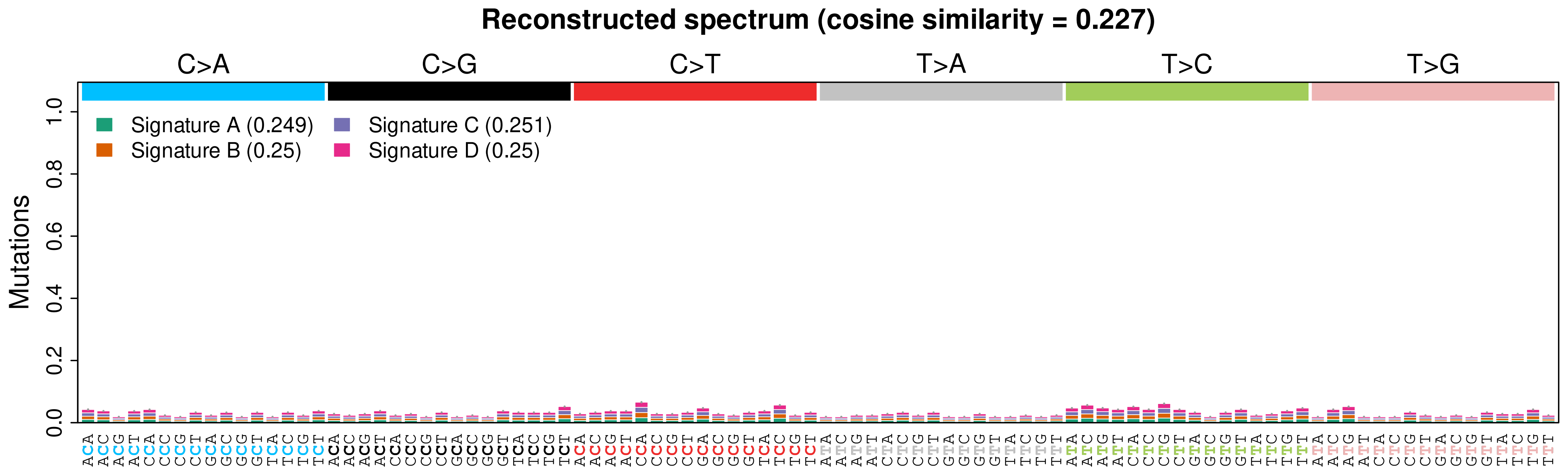
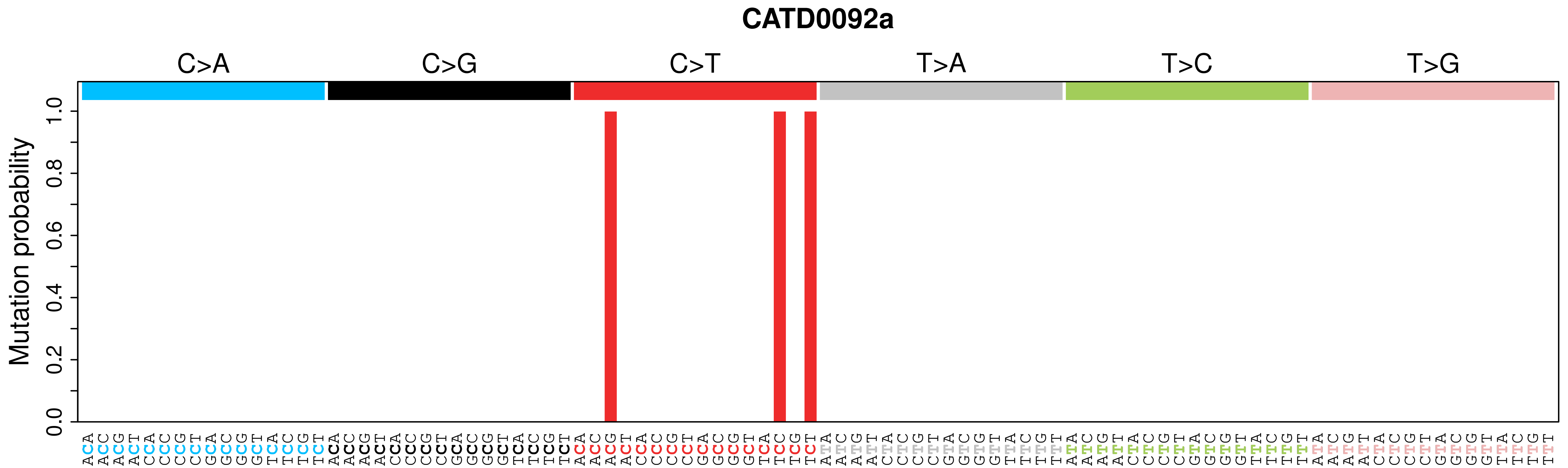


CATD0081a

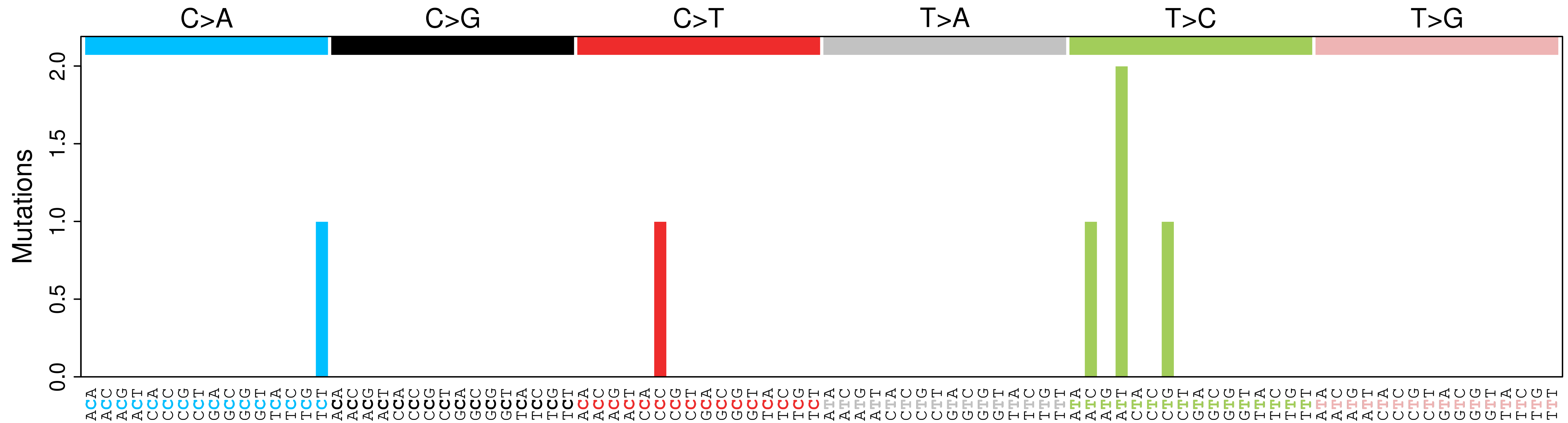


Reconstructed spectrum (cosine similarity = 0.297)

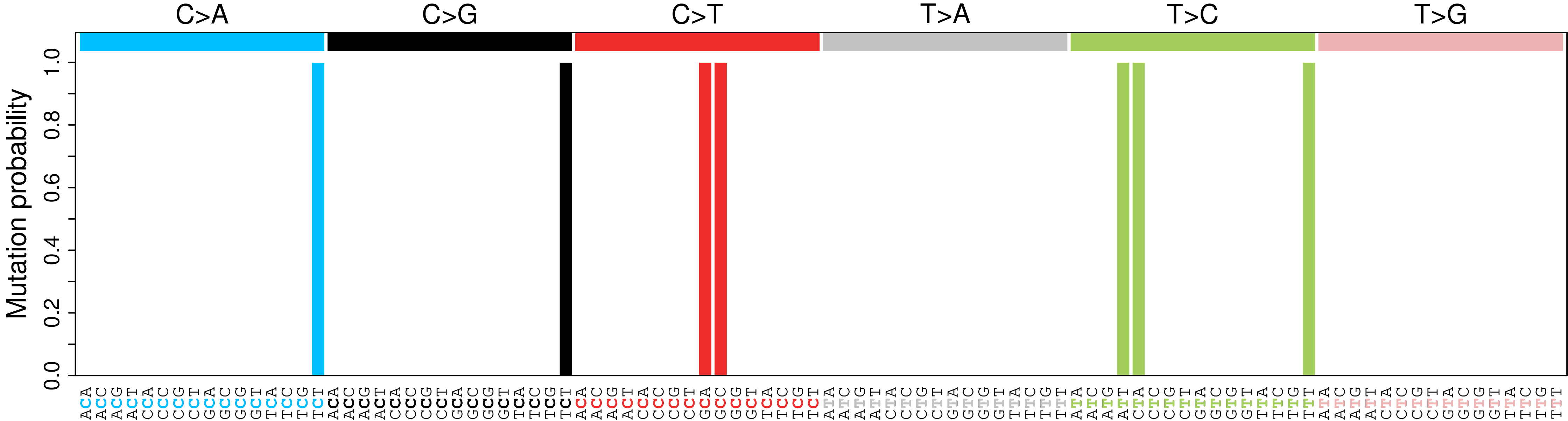




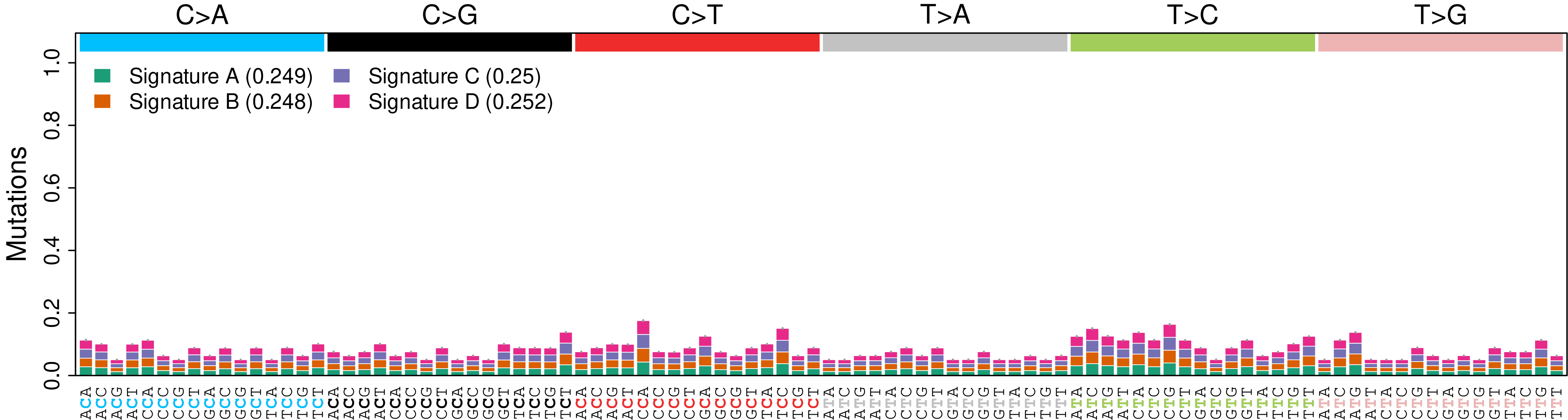
CATD0111a (6 mutations)



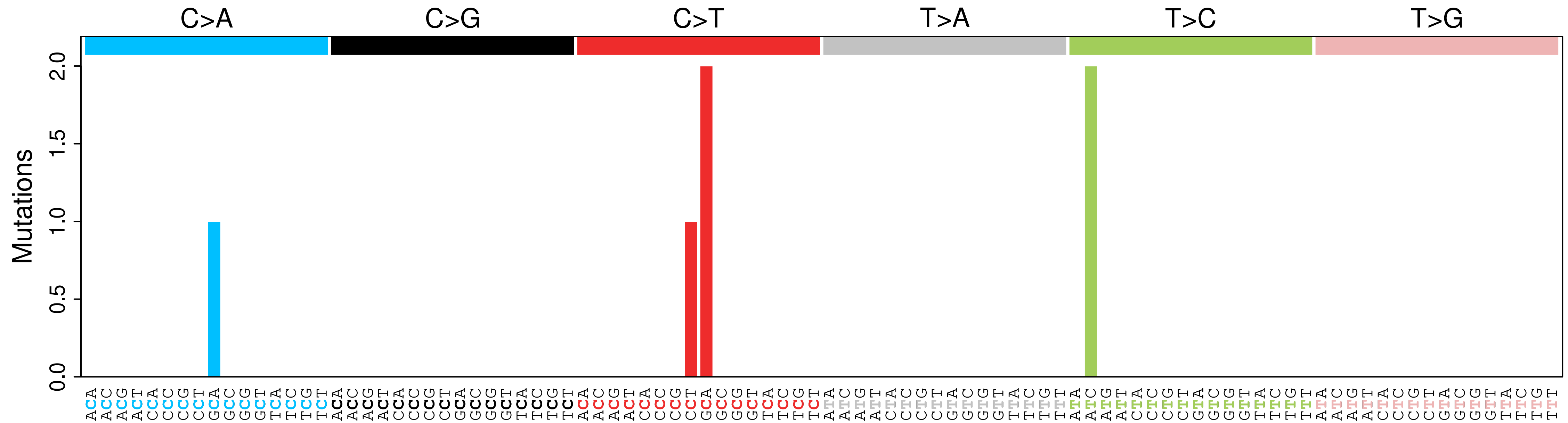
CATD0114a



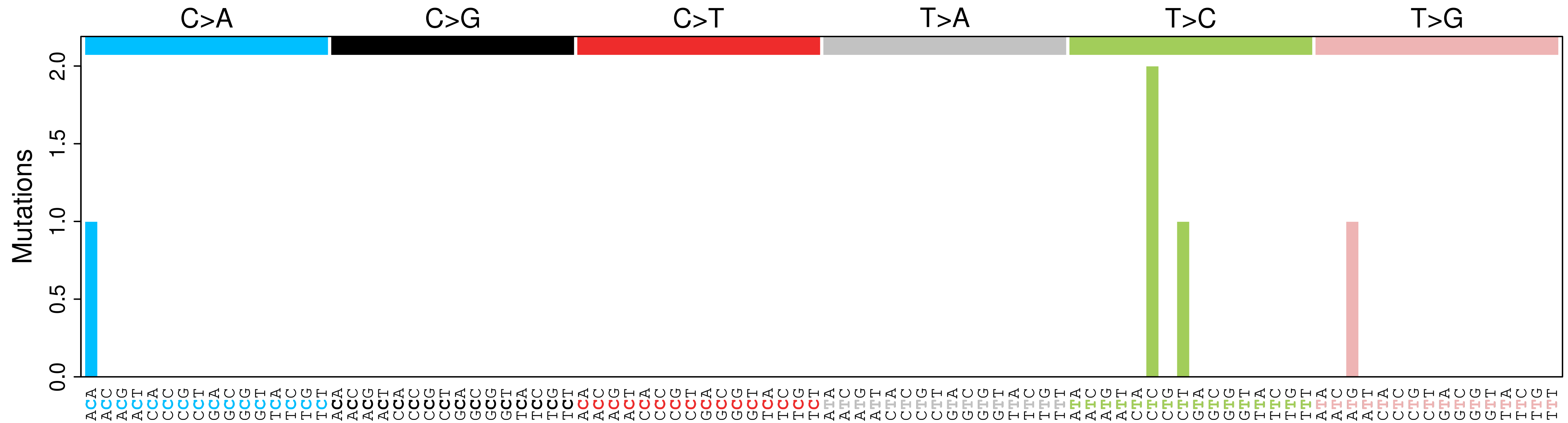
Reconstructed spectrum (cosine similarity = 0.357)



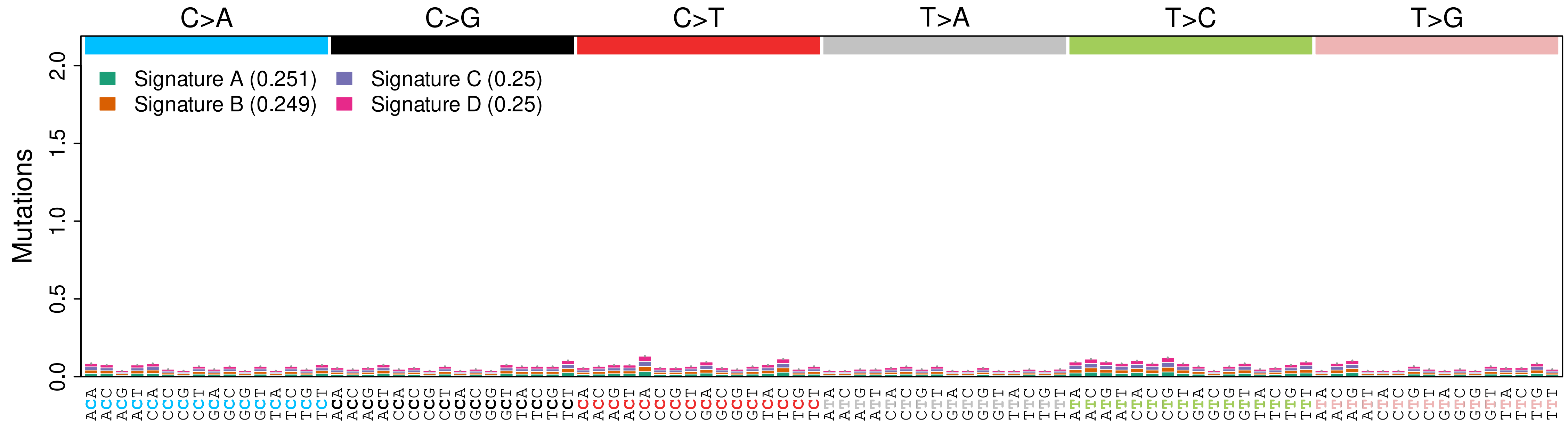
CATD0099a (6 mutations)



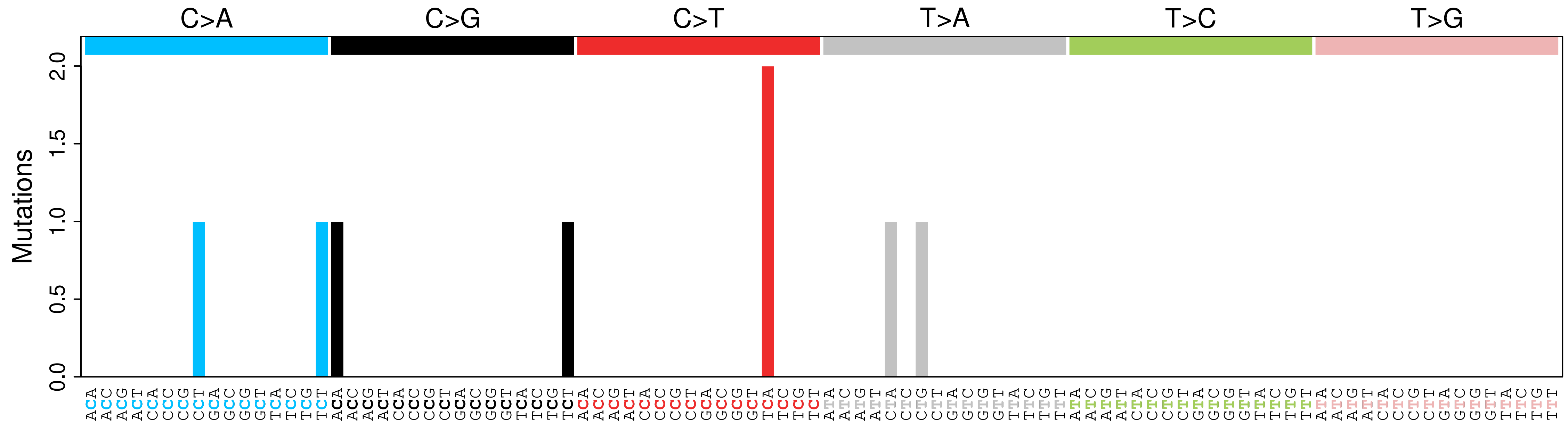
CATD0091a (5 mutations)



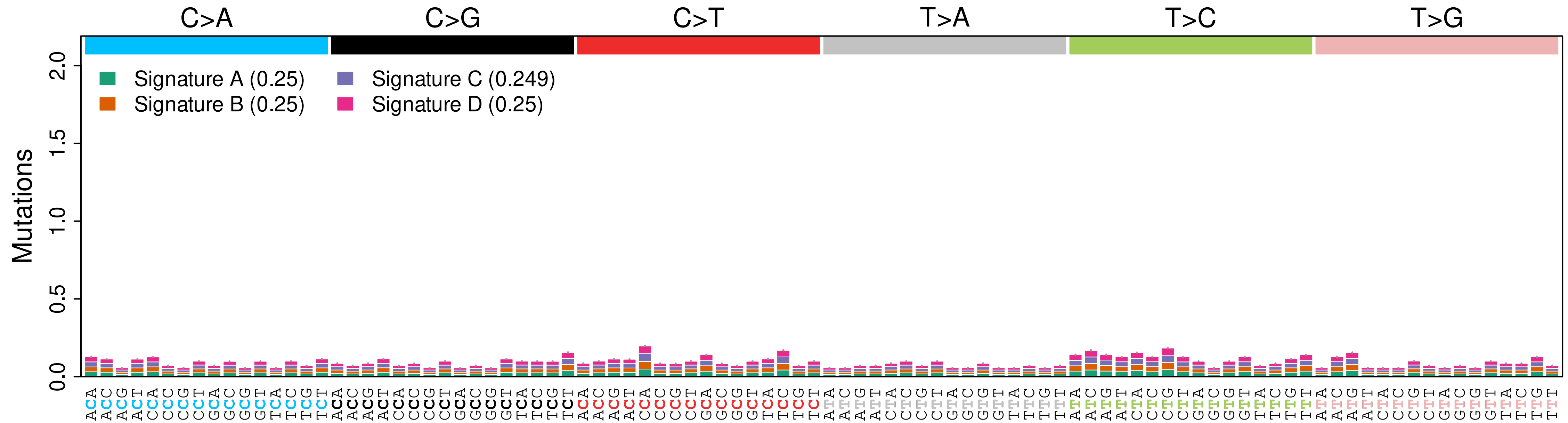
Reconstructed spectrum (cosine similarity = 0.258)



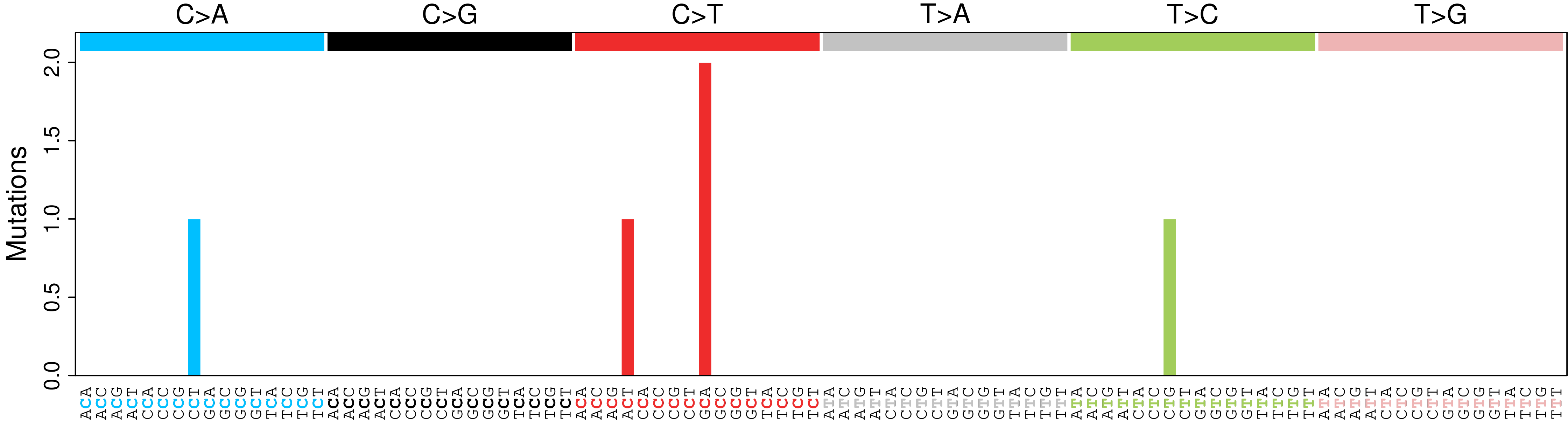
CATD0086a (8 mutations)



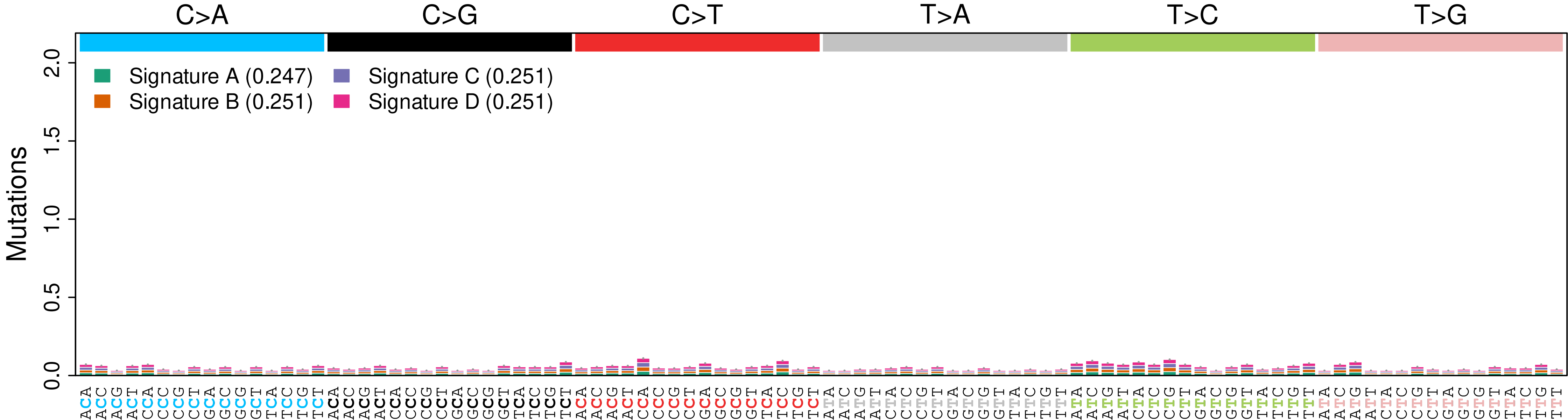
Reconstructed spectrum (cosine similarity = 0.272)



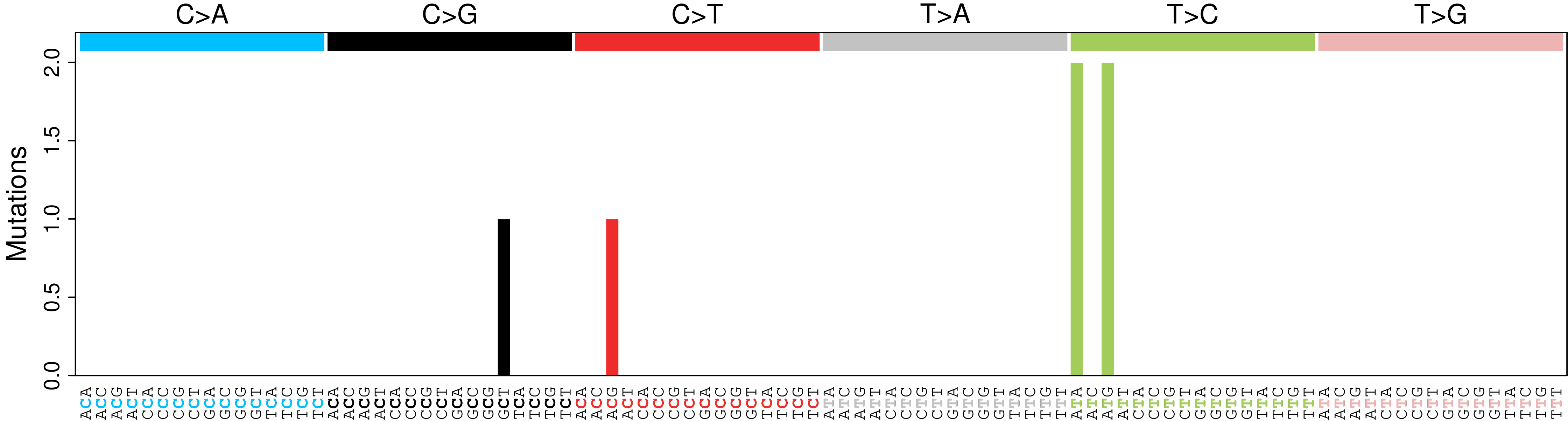
CATD0405a (5 mutations)



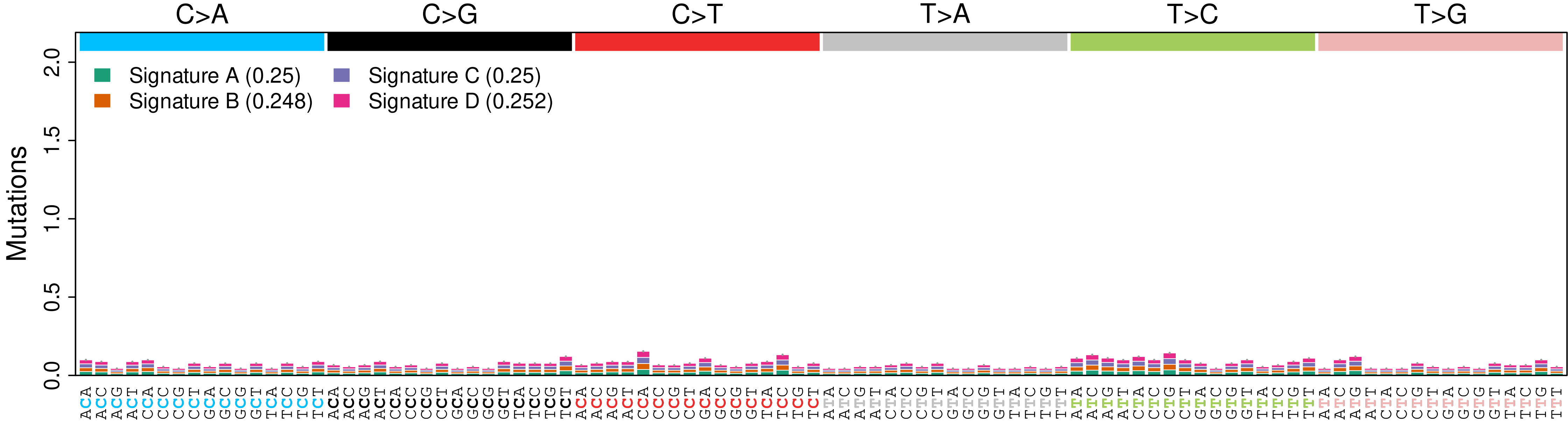
Reconstructed spectrum (cosine similarity = 0.264)



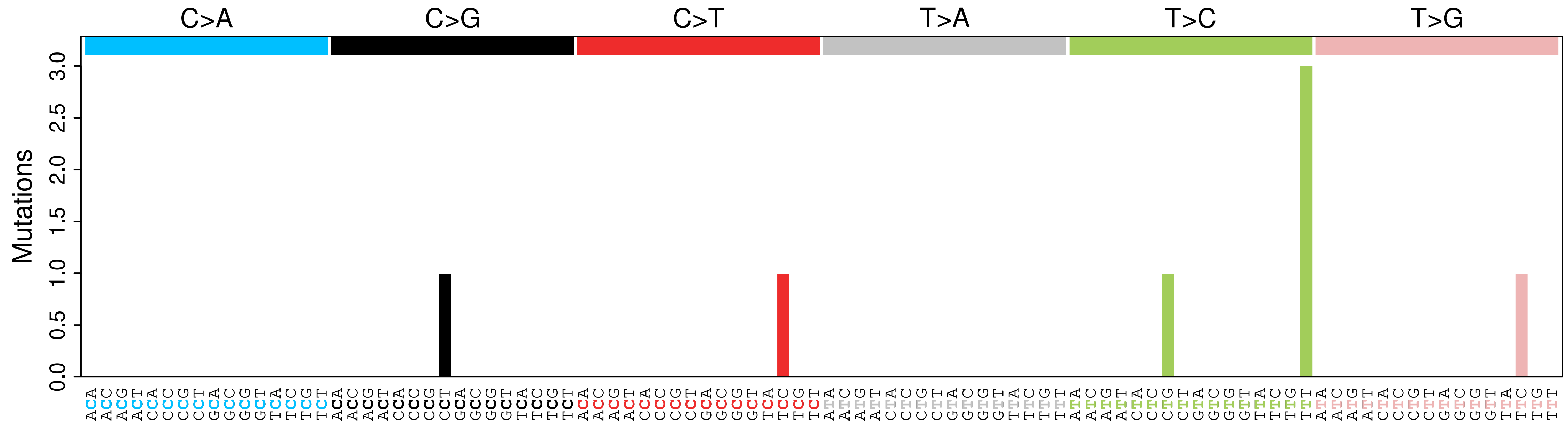
CATD188a (6 mutations)



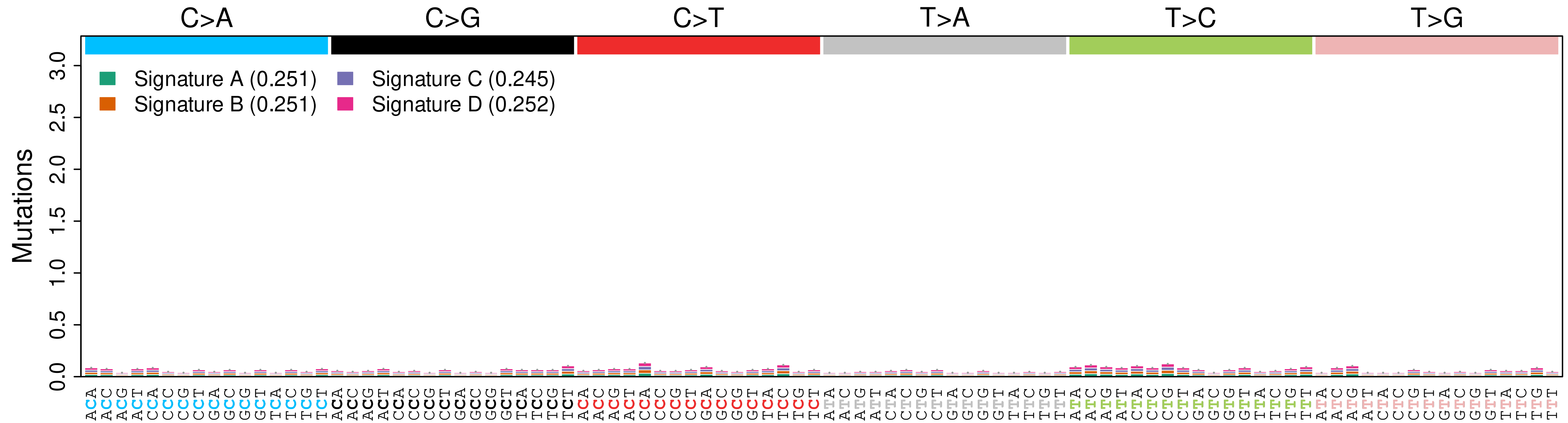
Reconstructed spectrum (cosine similarity = 0.257)



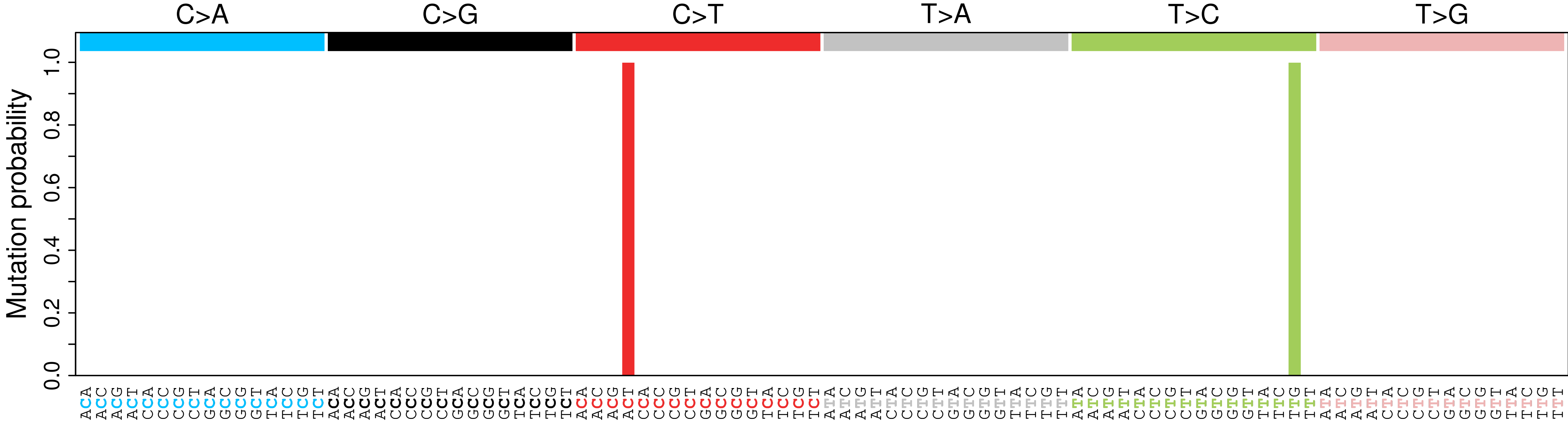
CATD0401a (7 mutations)



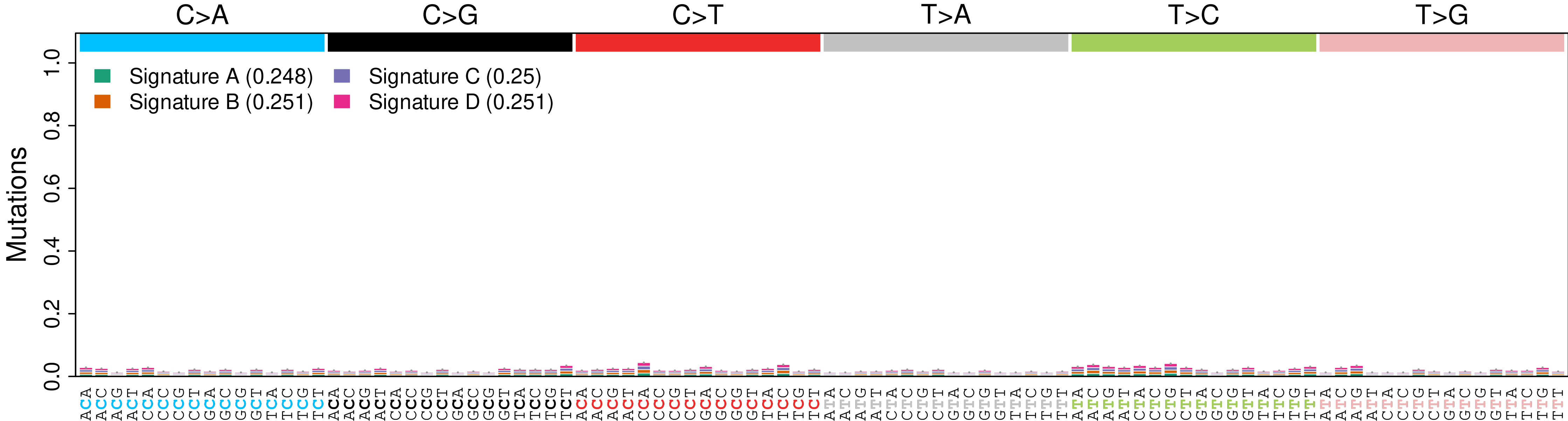
Reconstructed spectrum (cosine similarity = 0.274)



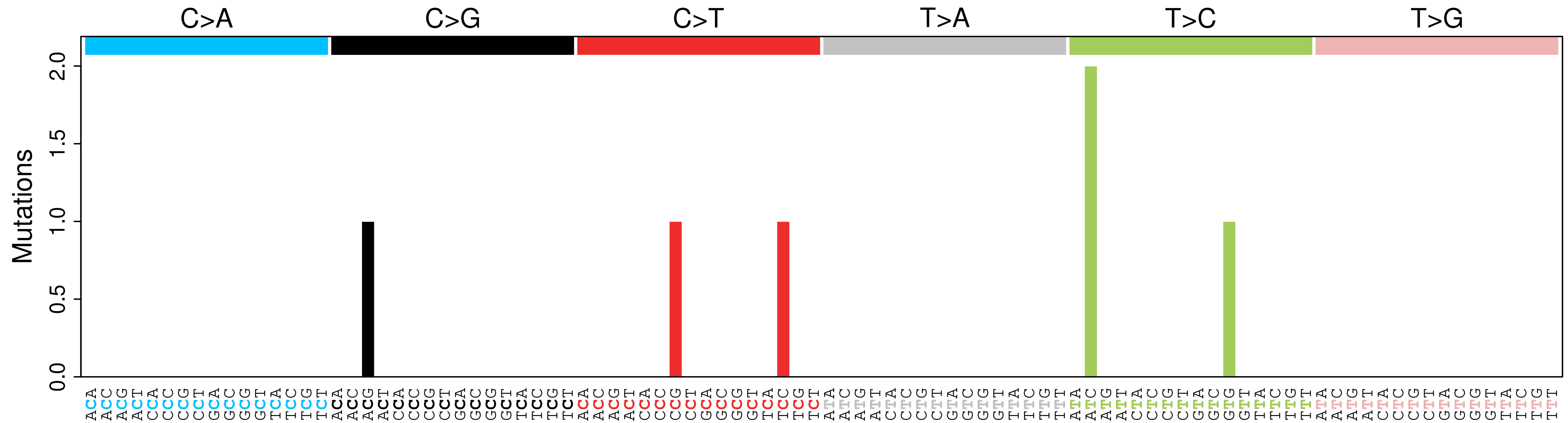
CATD0096a



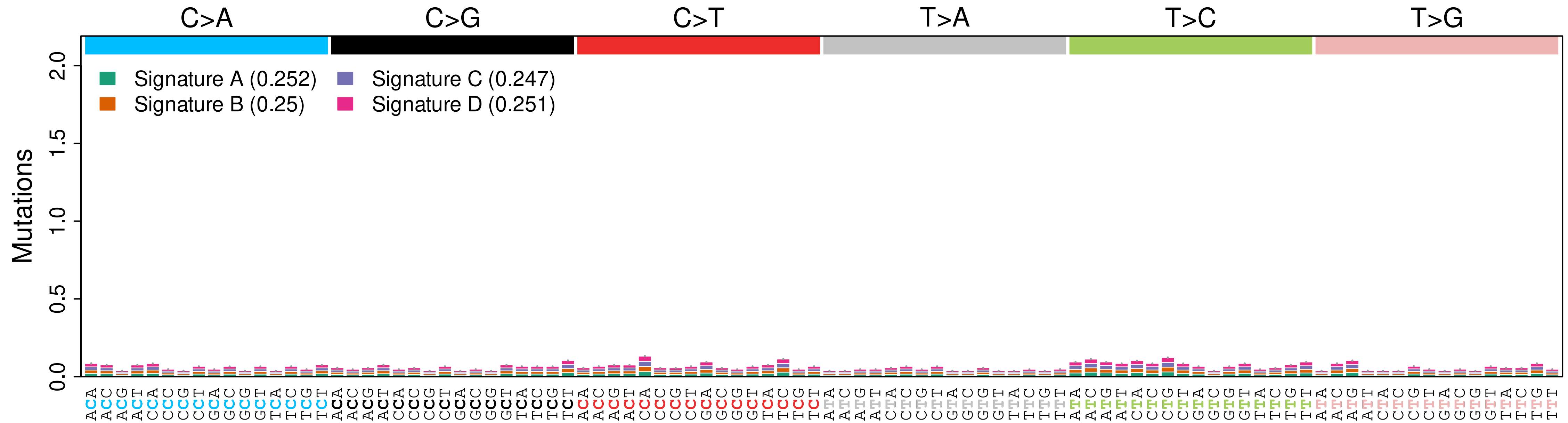
Reconstructed spectrum (cosine similarity = 0.164)



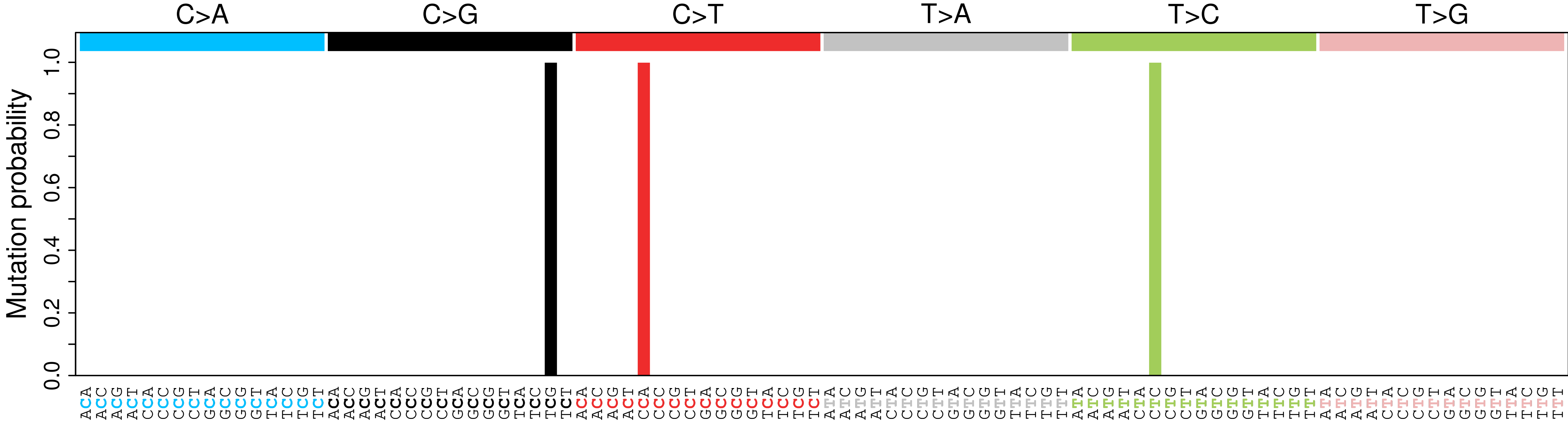
CATD0411a (6 mutations)



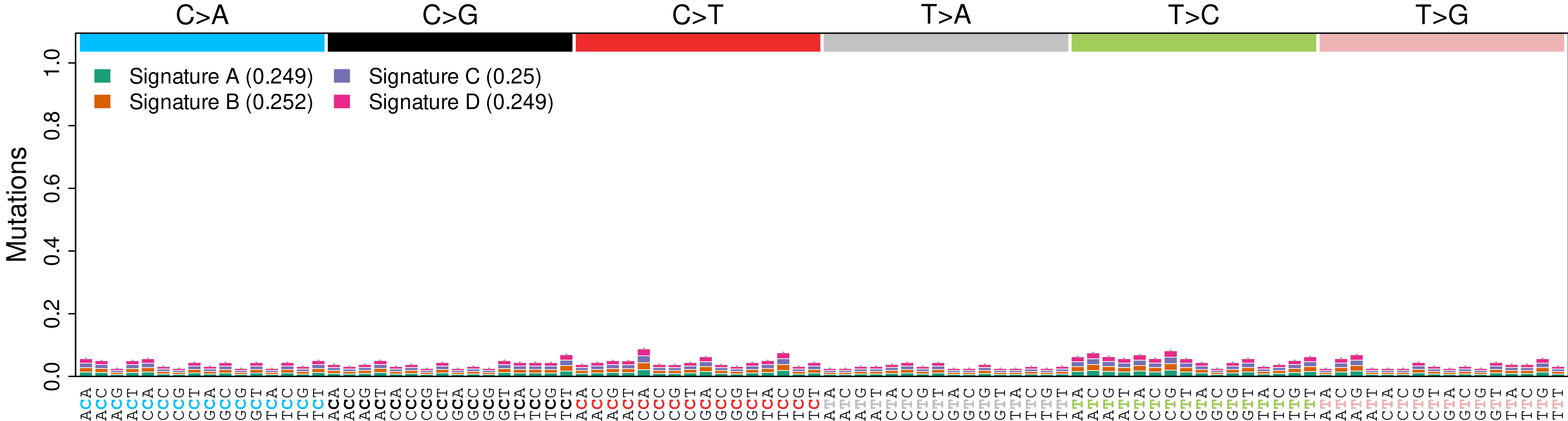
Reconstructed spectrum (cosine similarity = 0.282)



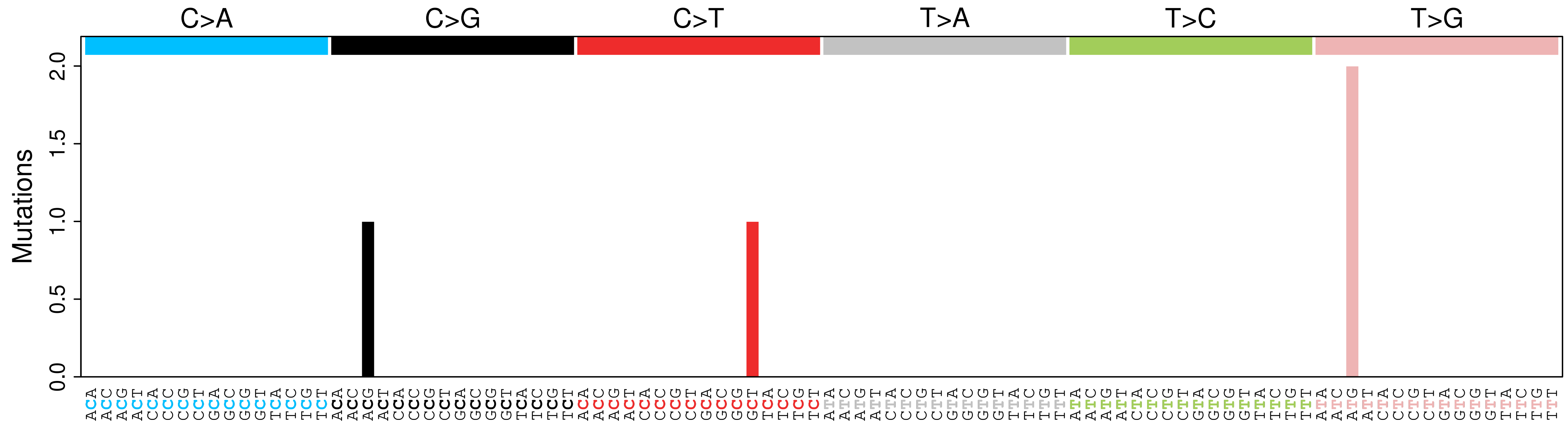
CATD0113a



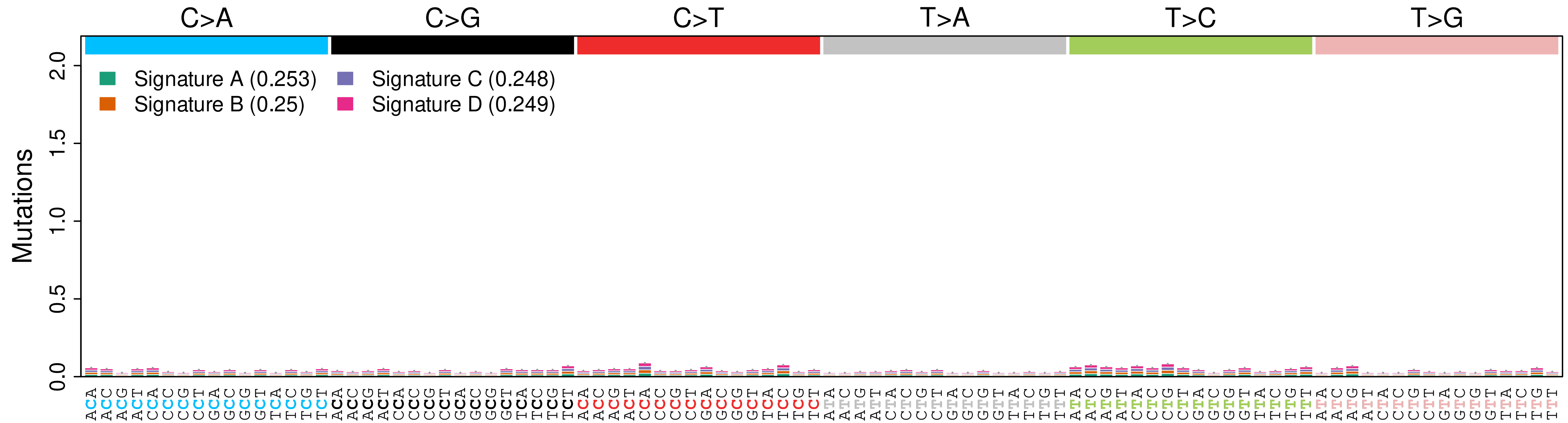
Reconstructed spectrum (cosine similarity = 0.252)



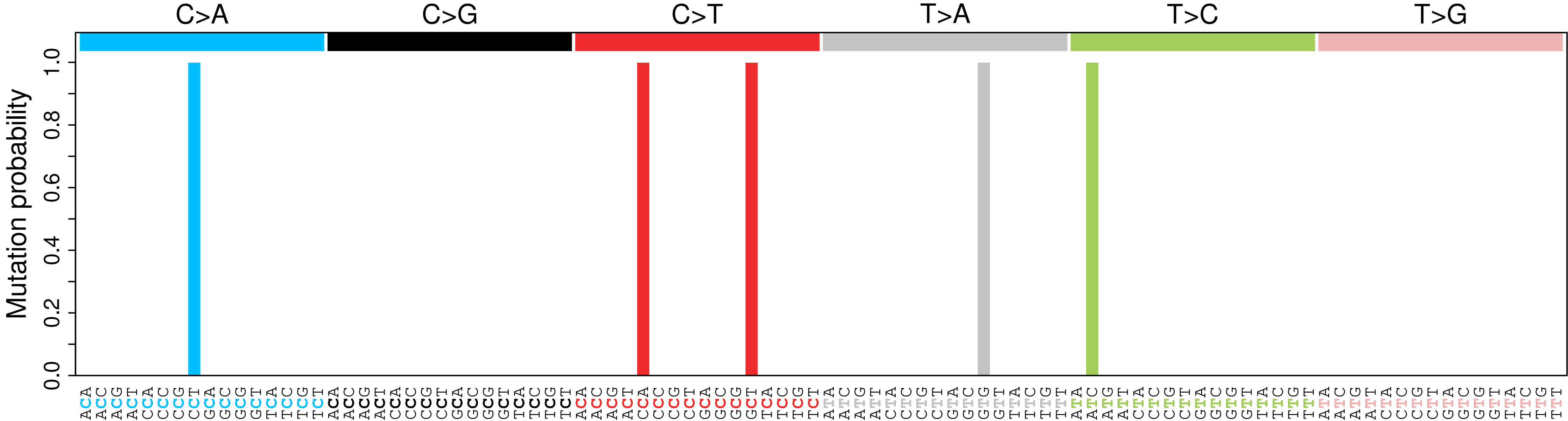
CATD0403a (4 mutations)



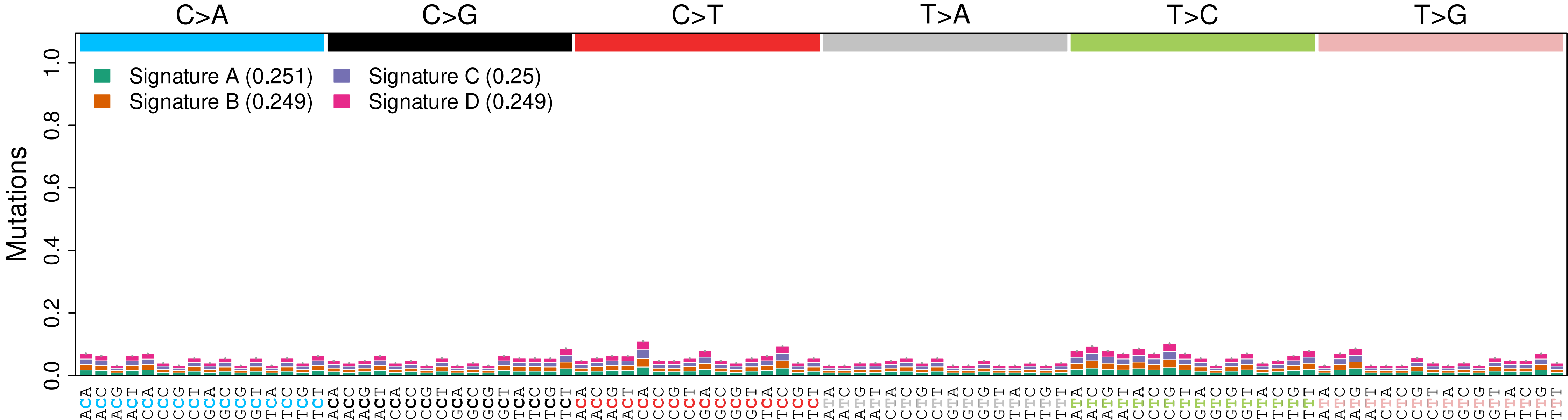
Reconstructed spectrum (cosine similarity = 0.208)



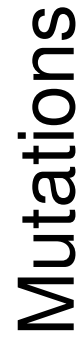
CATD0085a



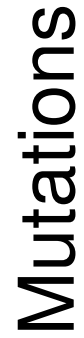
Reconstructed spectrum (cosine similarity = 0.299)

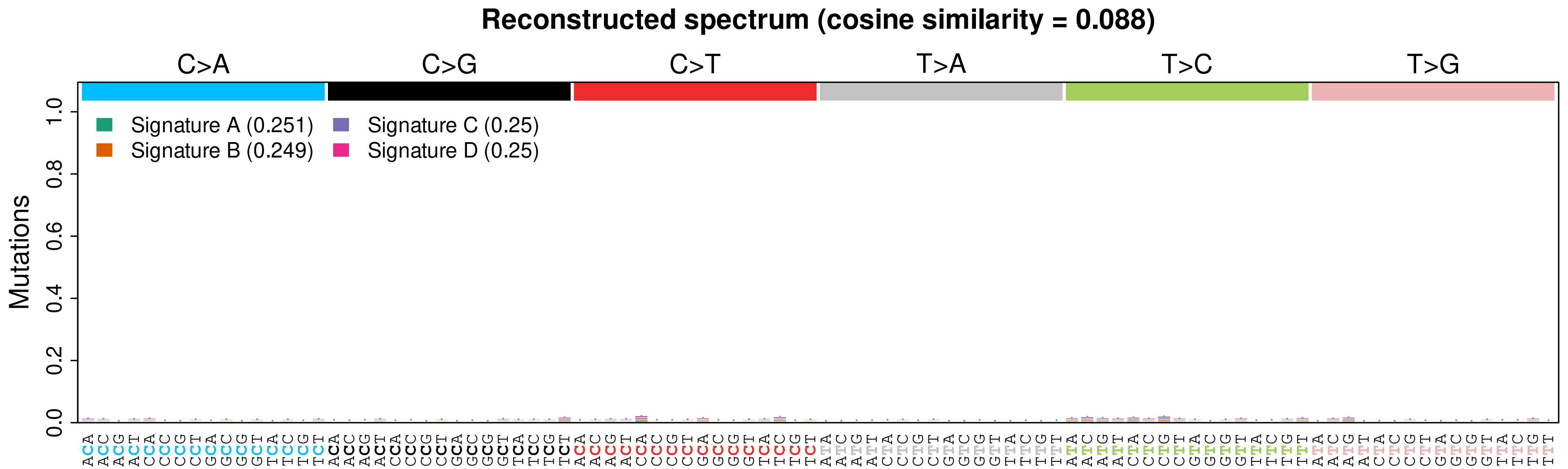
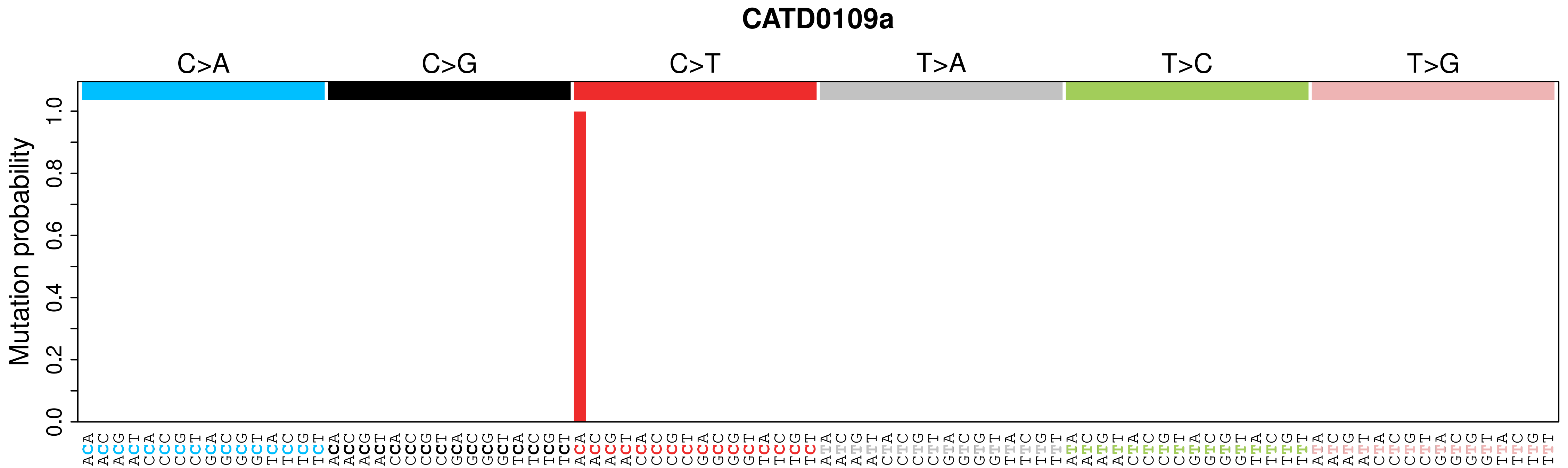


CATD190a (4 mutations)

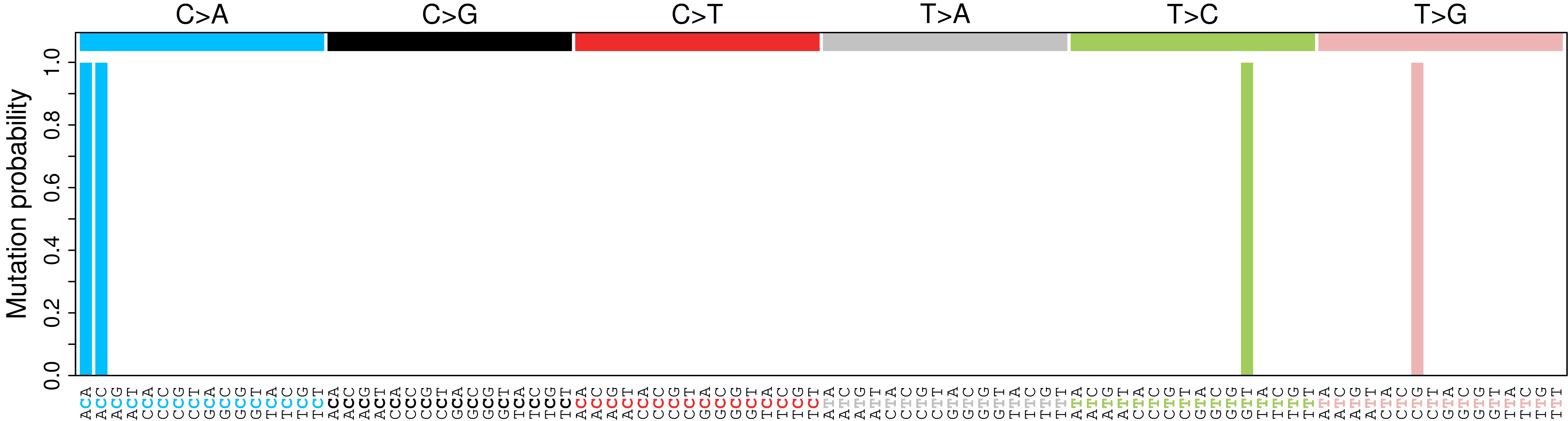


Reconstructed spectrum (cosine similarity = 0.254)

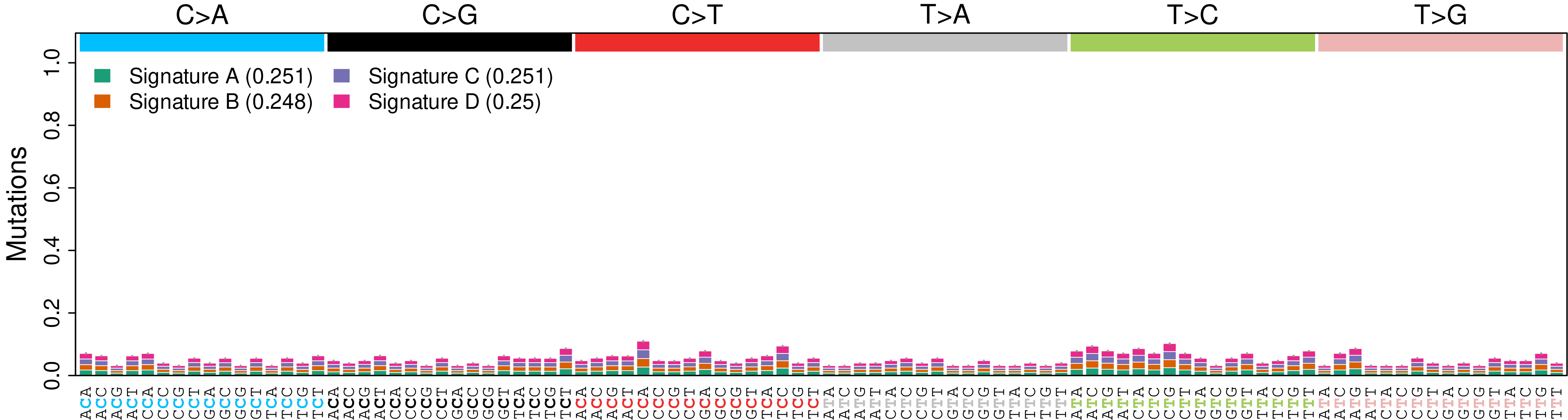




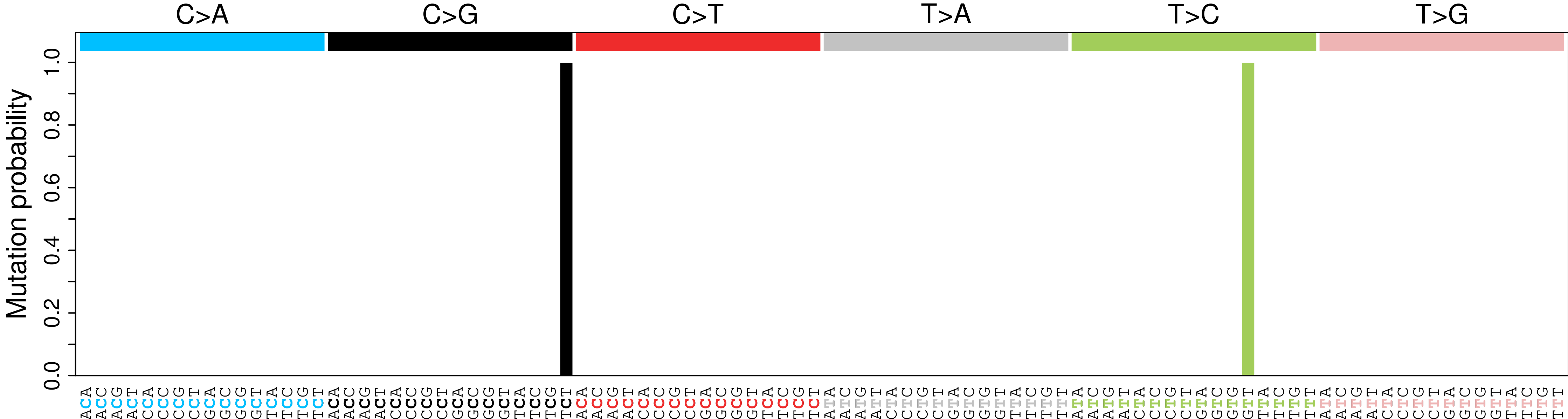
CATD0415a



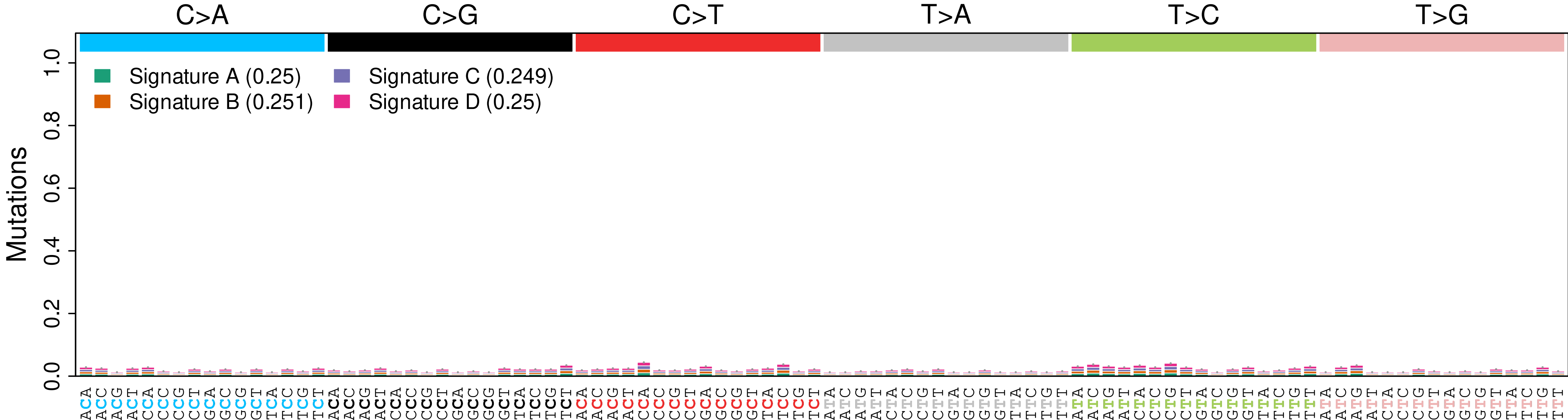
Reconstructed spectrum (cosine similarity = 0.241)



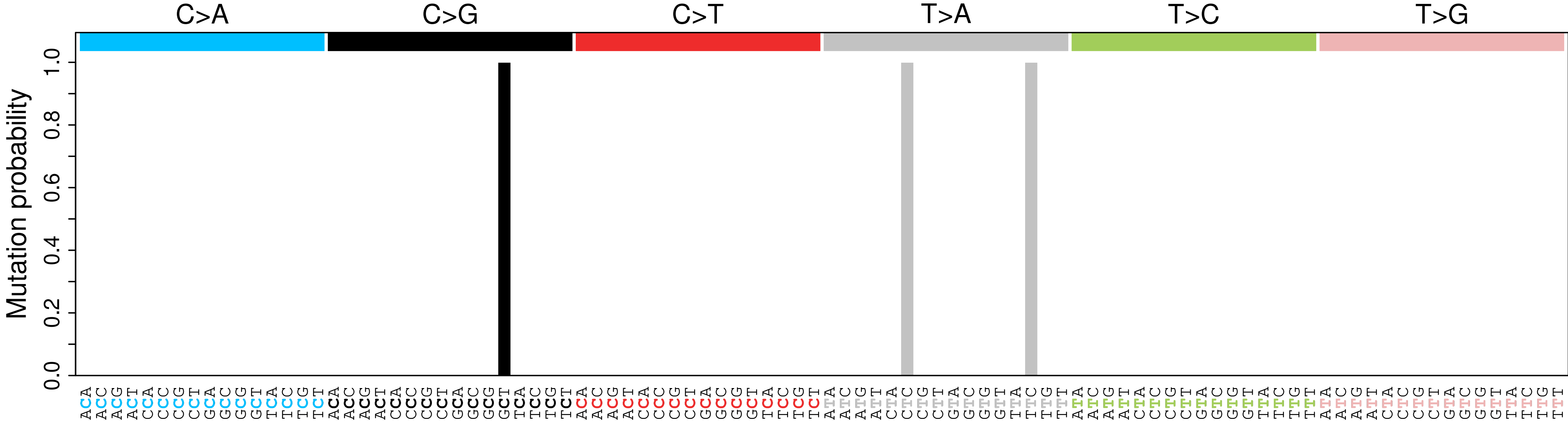
CATD191a



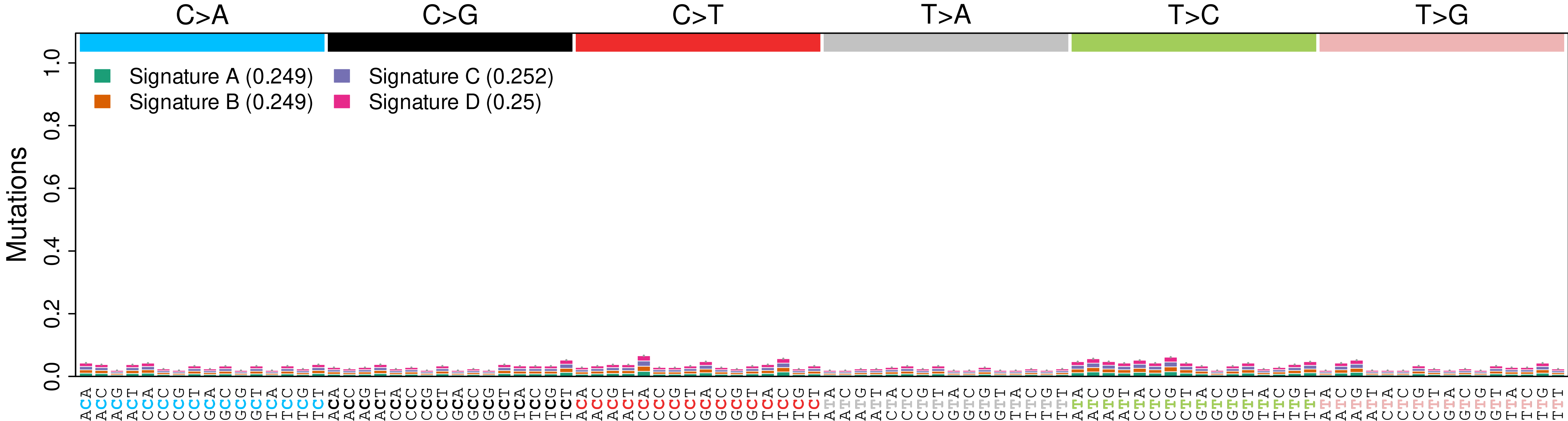
Reconstructed spectrum (cosine similarity = 0.206)



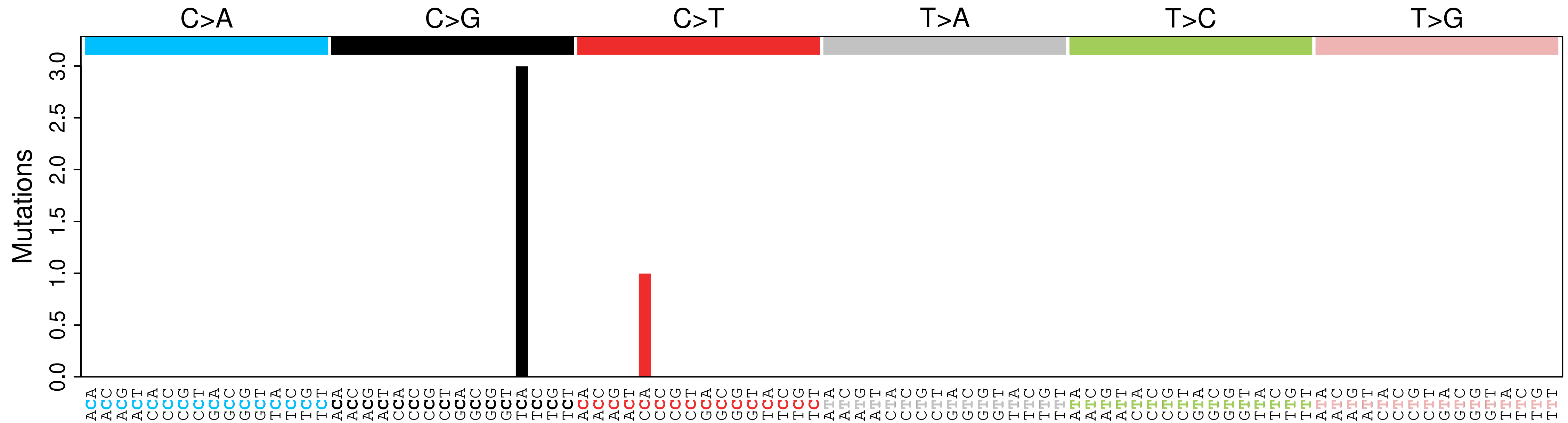
CATD0093a



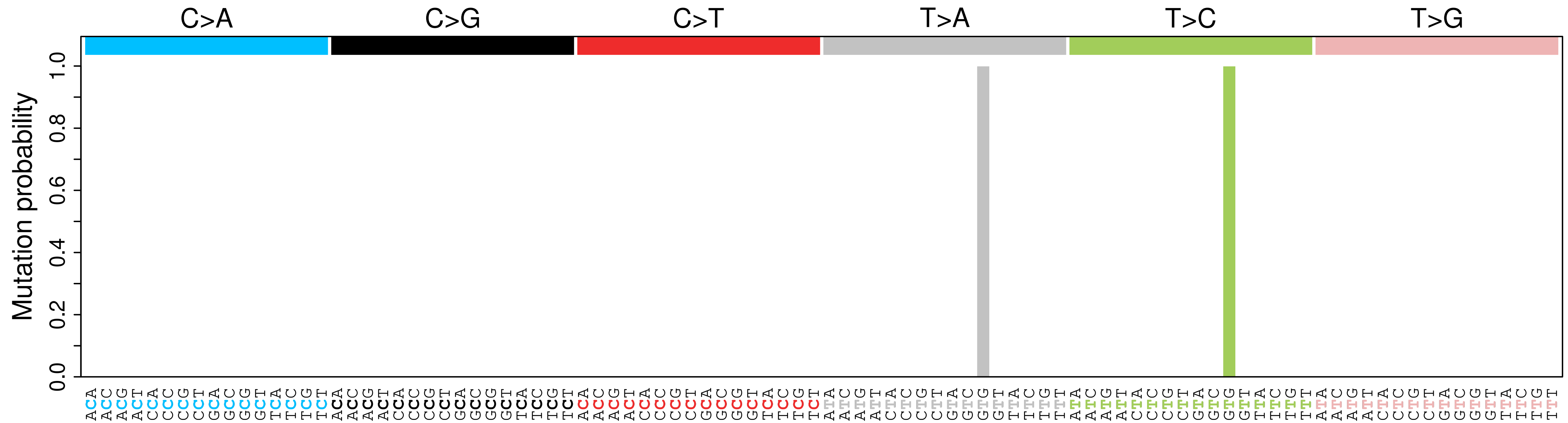
Reconstructed spectrum (cosine similarity = 0.168)



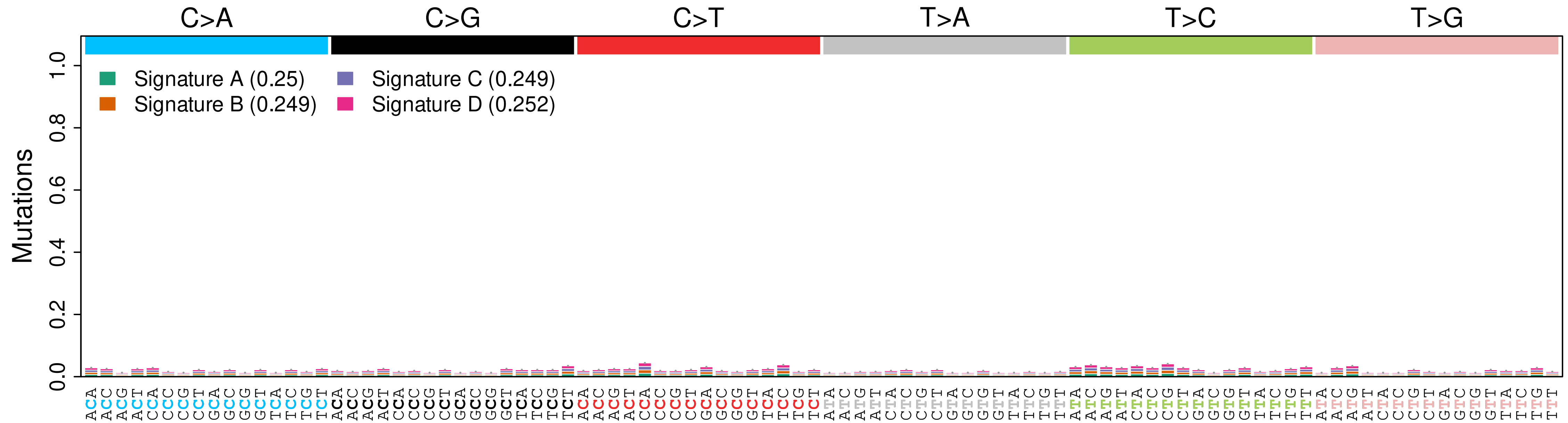
CATD0407a (4 mutations)



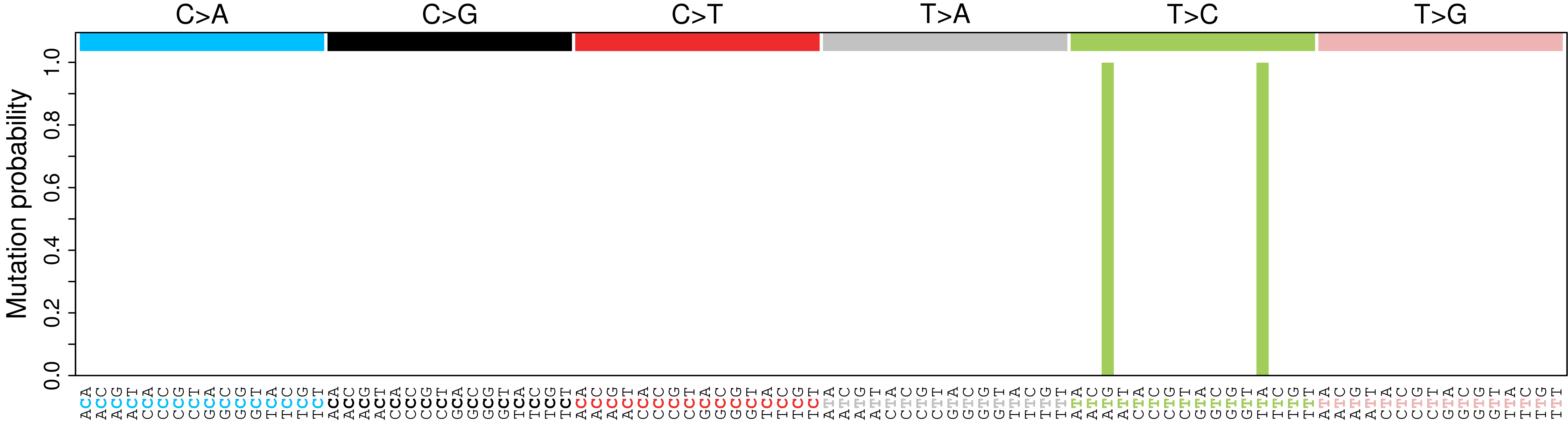
CATD0413a



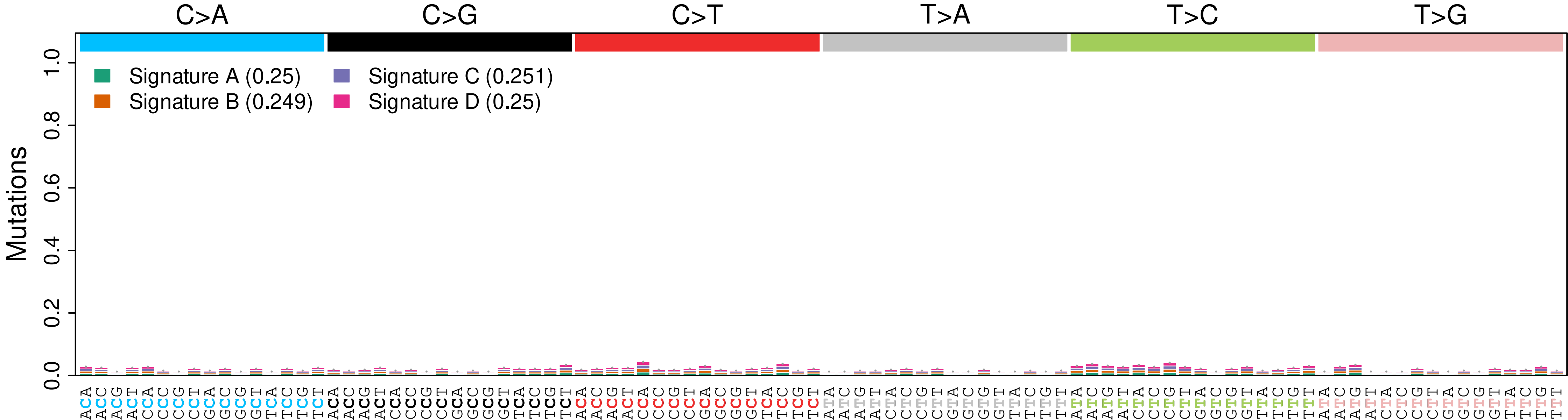
Reconstructed spectrum (cosine similarity = 0.134)



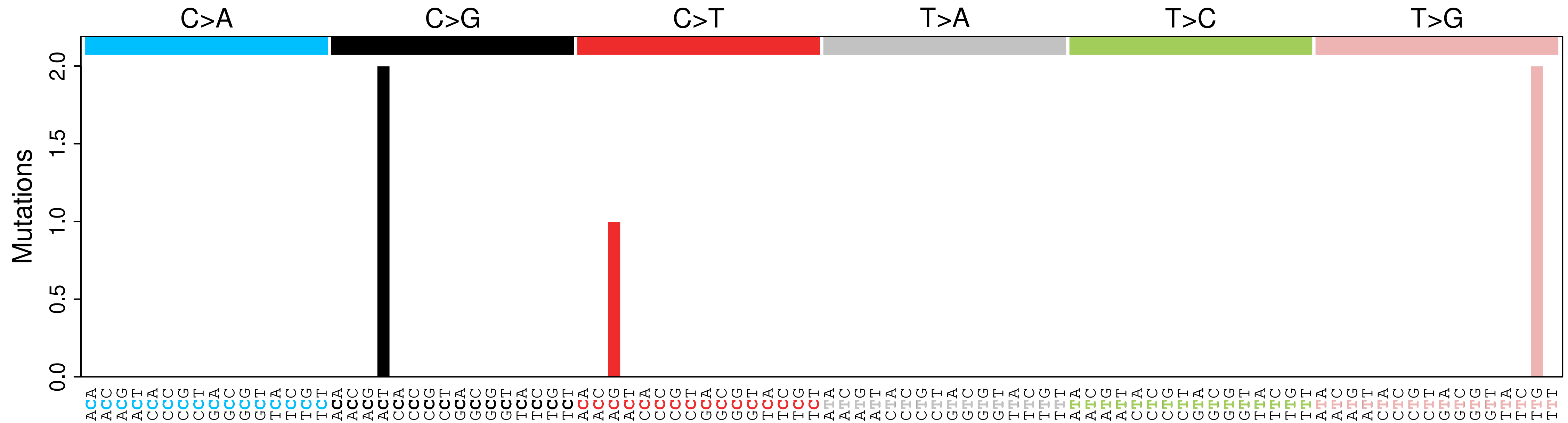
CATD0104a



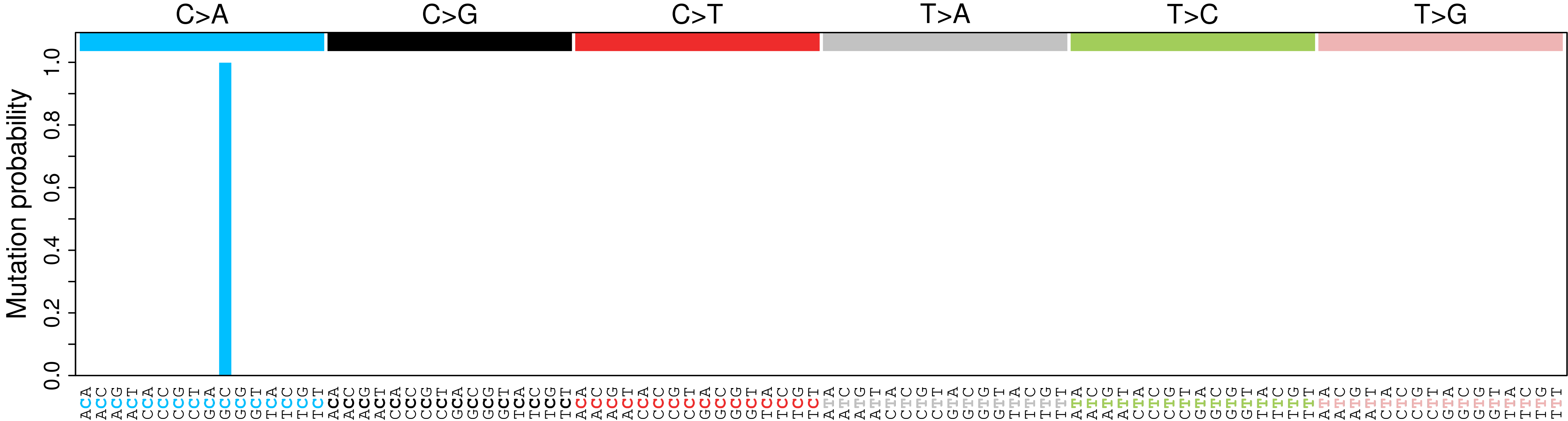
Reconstructed spectrum (cosine similarity = 0.155)



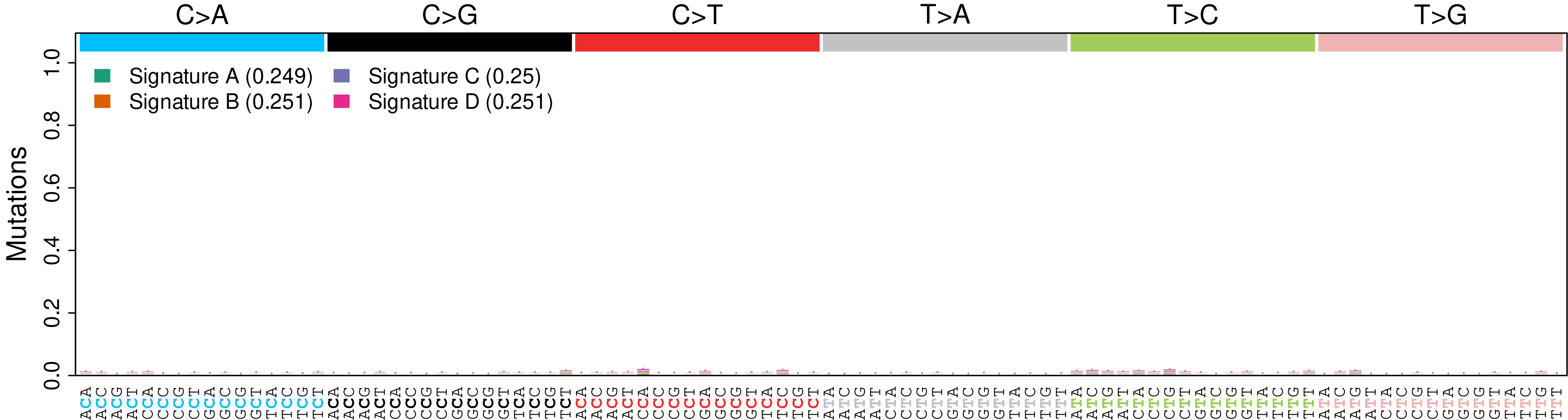
CATD0409a (5 mutations)



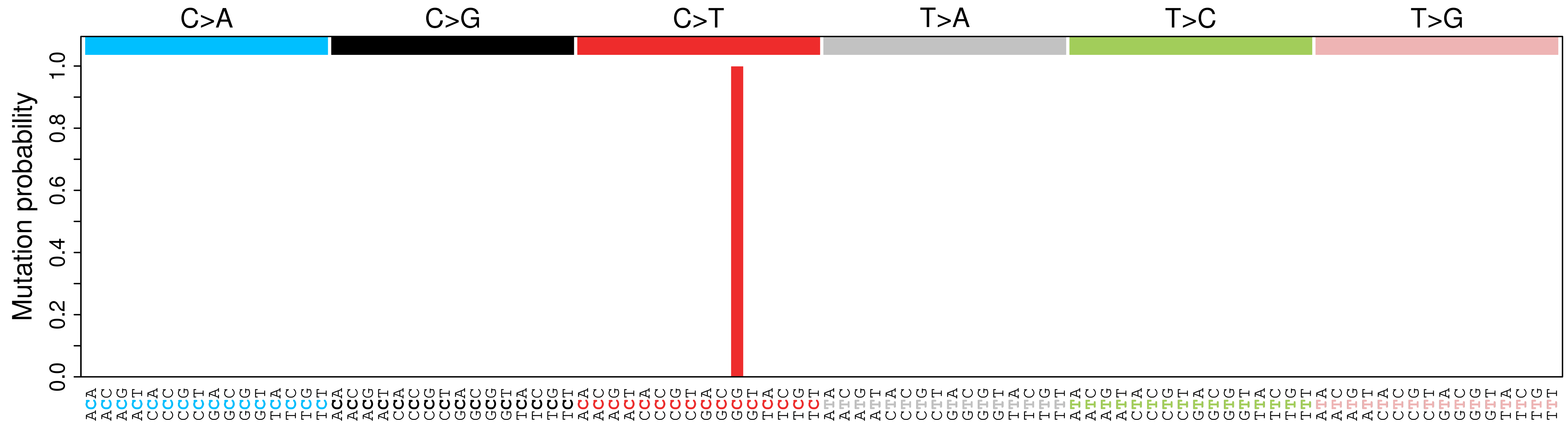
CATD0116a



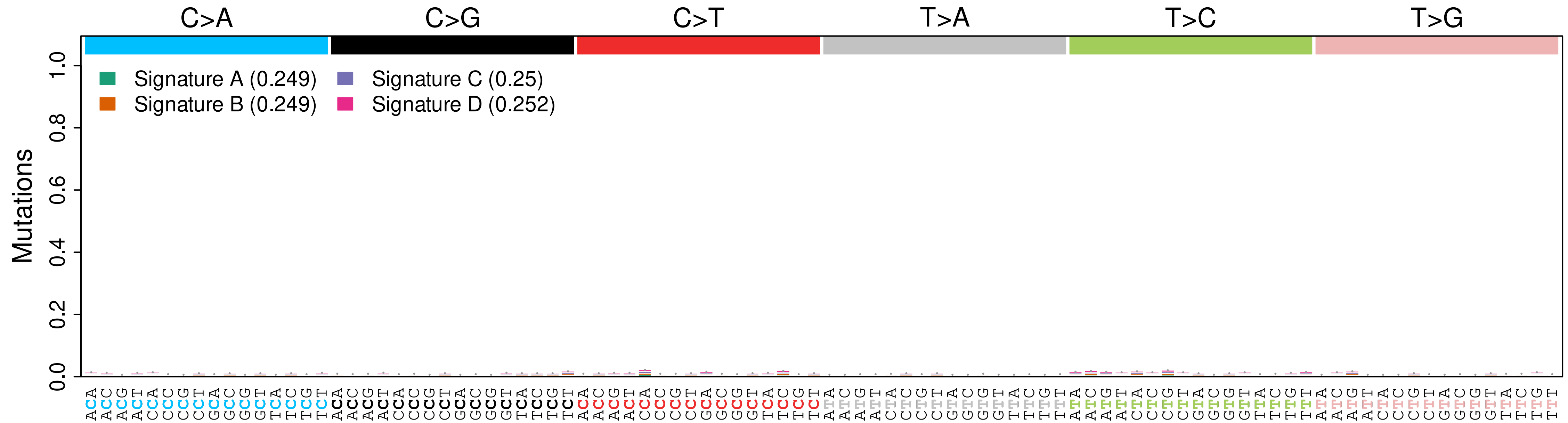
Reconstructed spectrum (cosine similarity = 0.101)



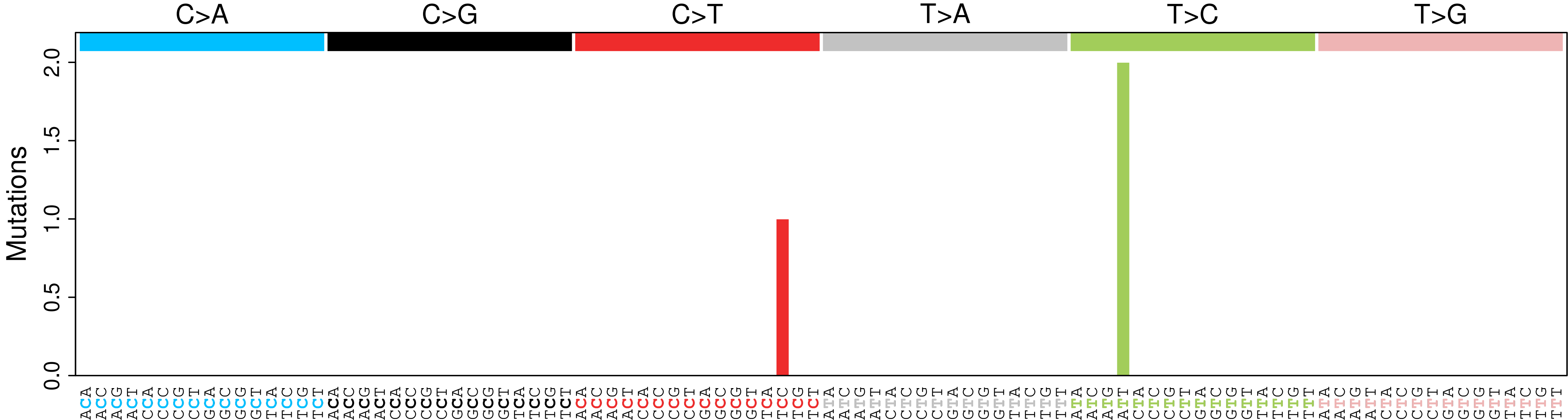
CATD0406a



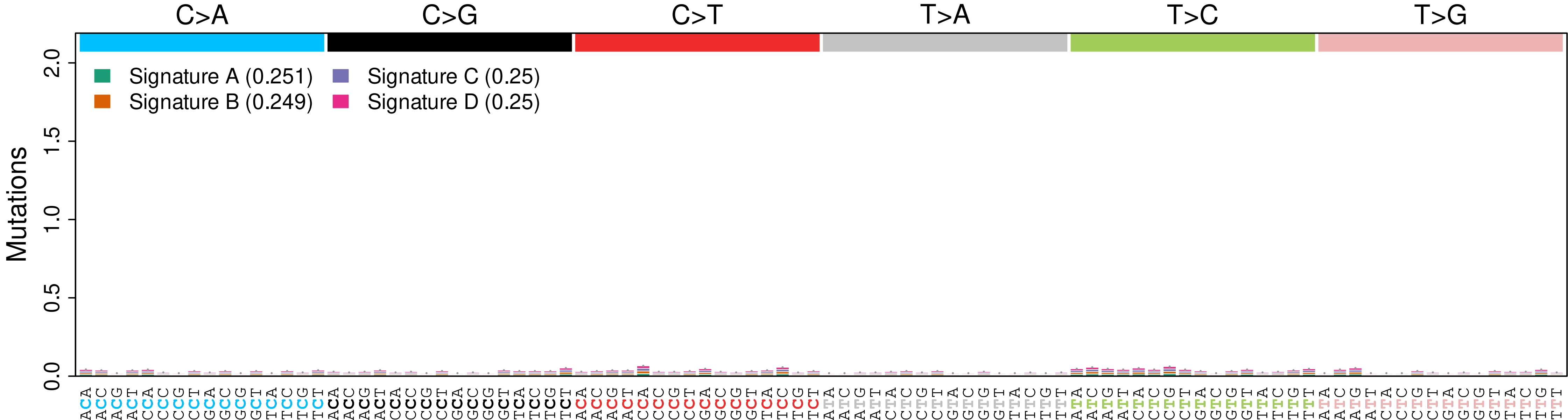
Reconstructed spectrum (cosine similarity = 0.073)



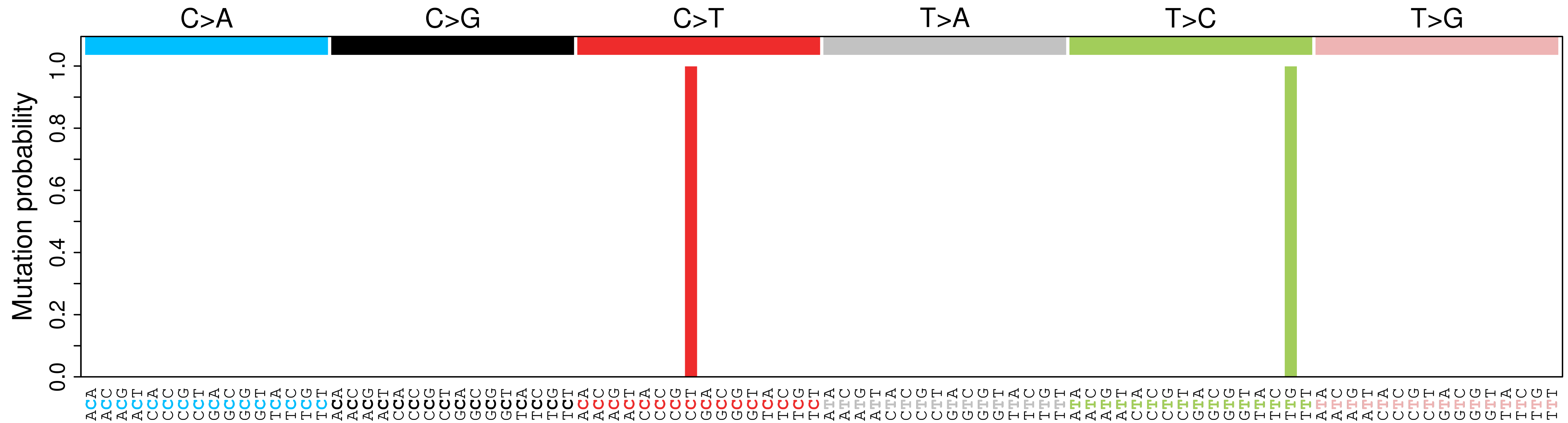
CATD0089a (3 mutations)



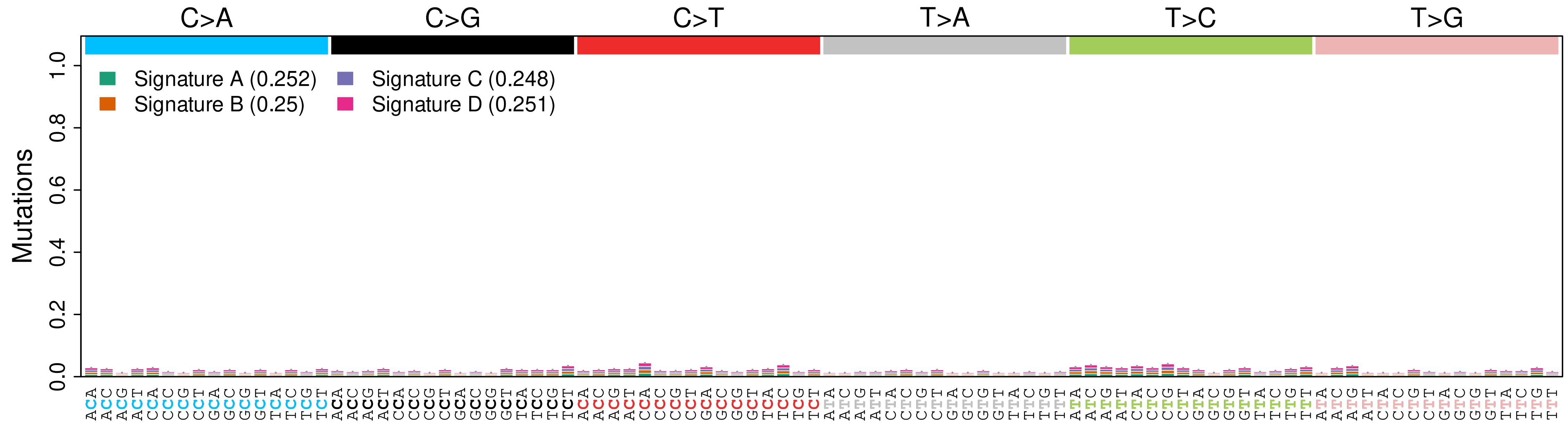
Reconstructed spectrum (cosine similarity = 0.195)



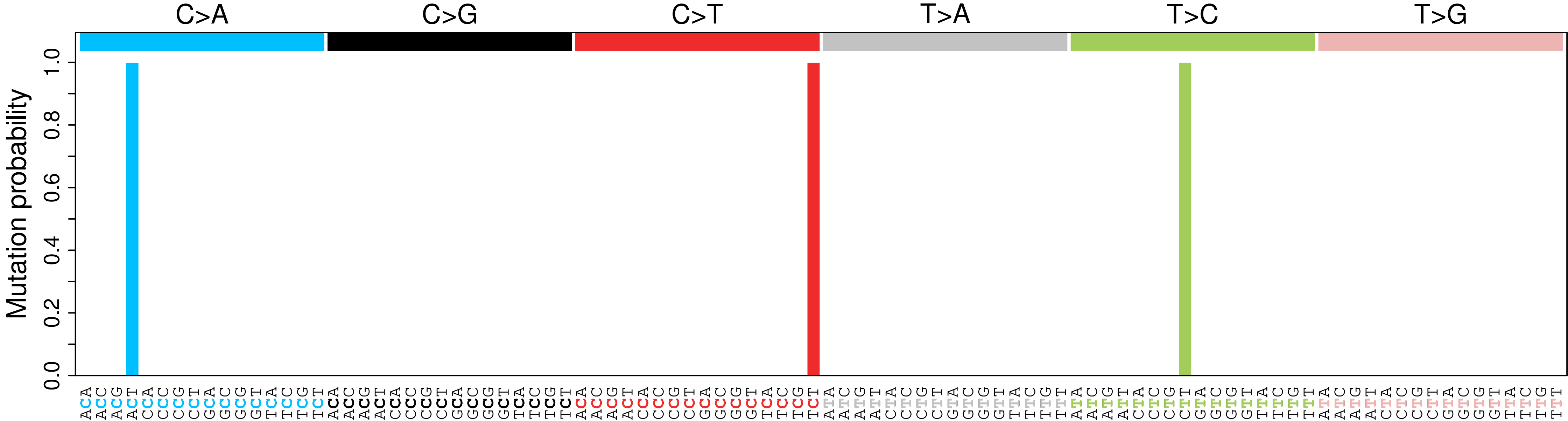
CATD0115a



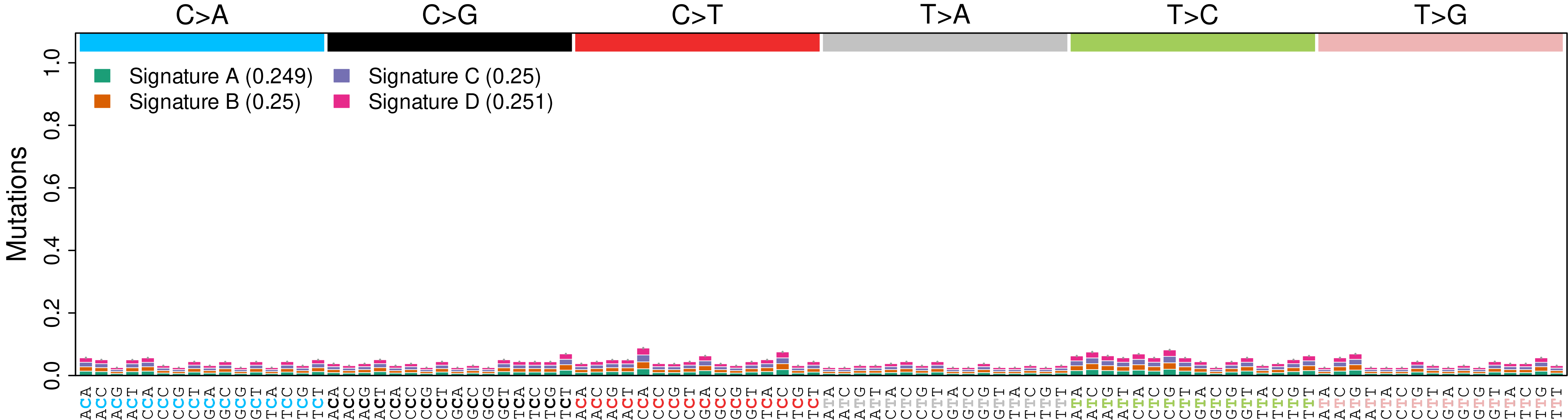
Reconstructed spectrum (cosine similarity = 0.155)



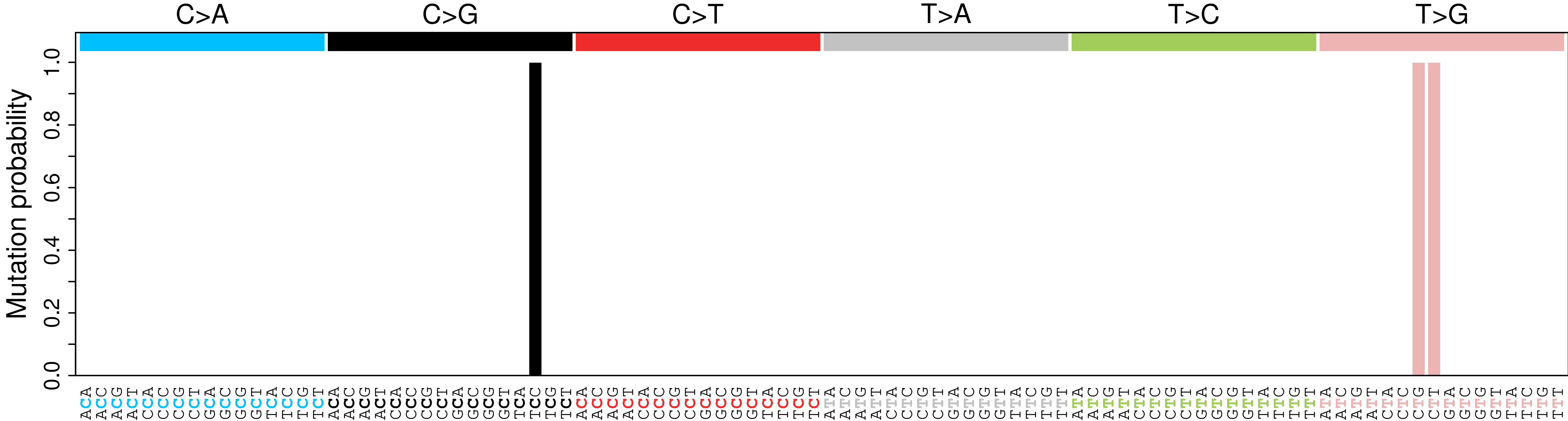
CATD0098a



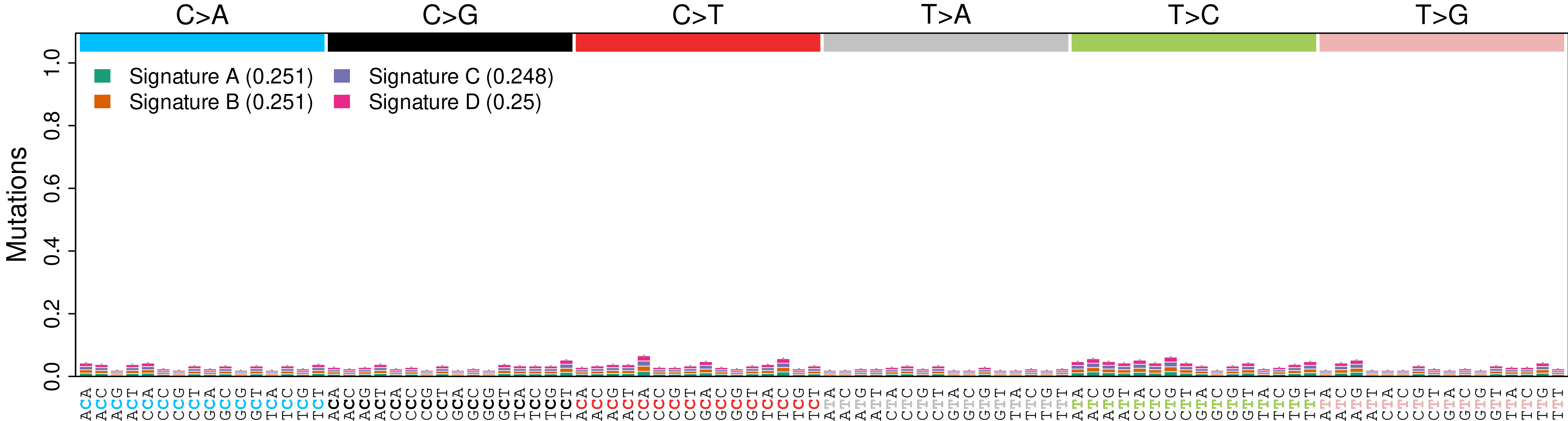
Reconstructed spectrum (cosine similarity = 0.201)



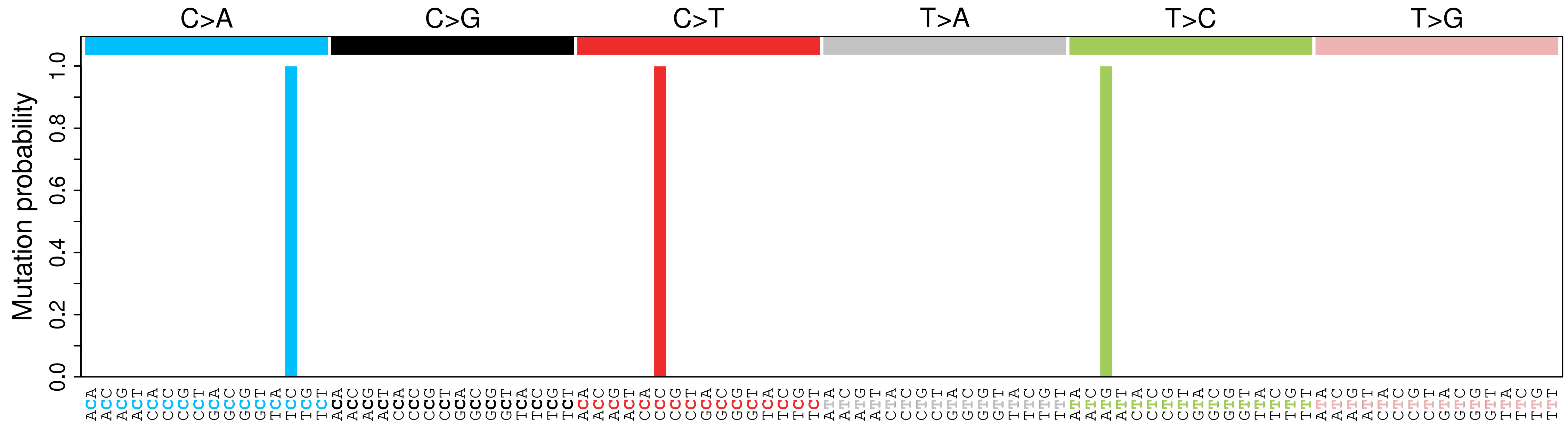
CATD0402a



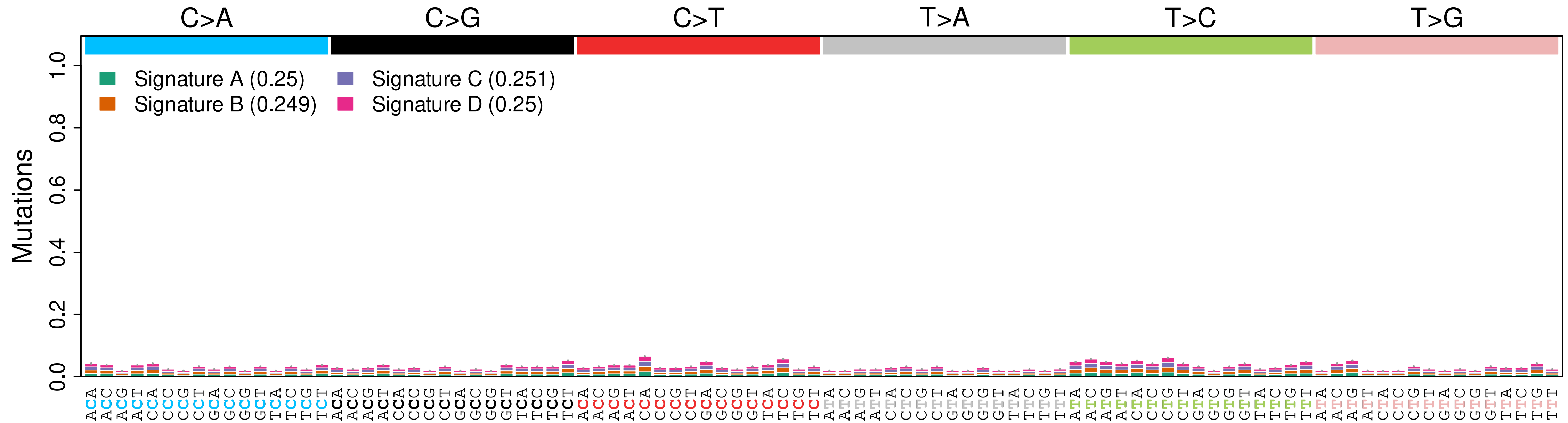
Reconstructed spectrum (cosine similarity = 0.161)



CATD0404a



Reconstructed spectrum (cosine similarity = 0.194)



CATD0408a

