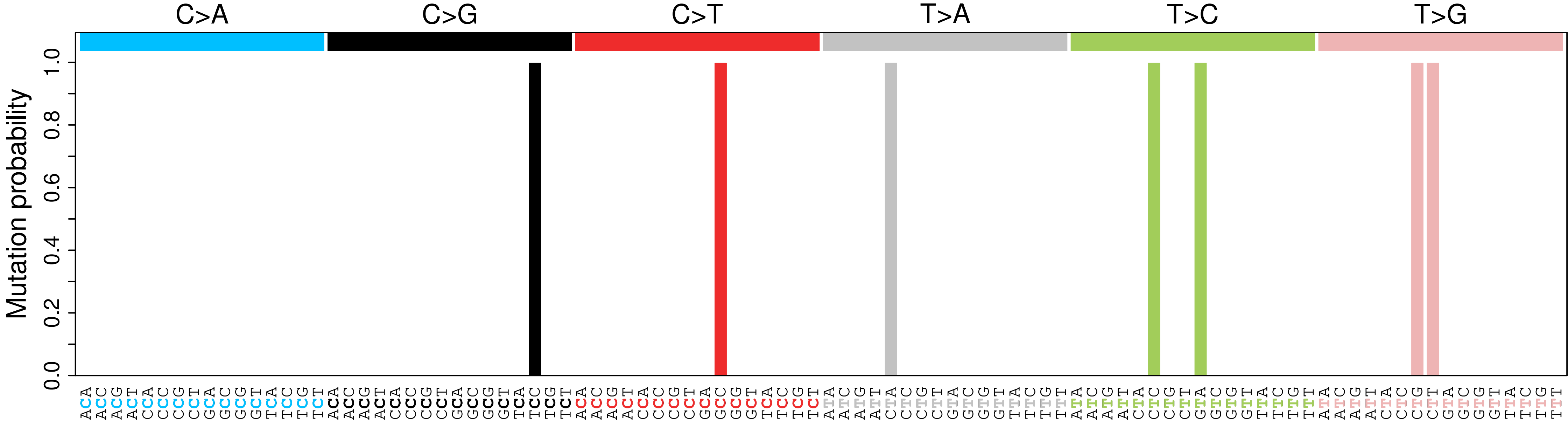
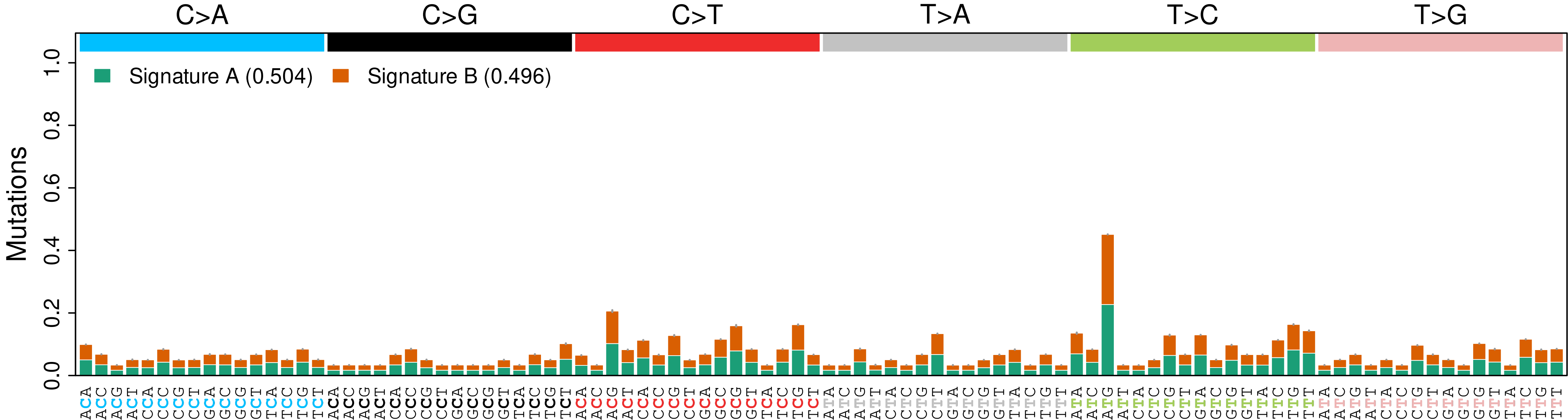


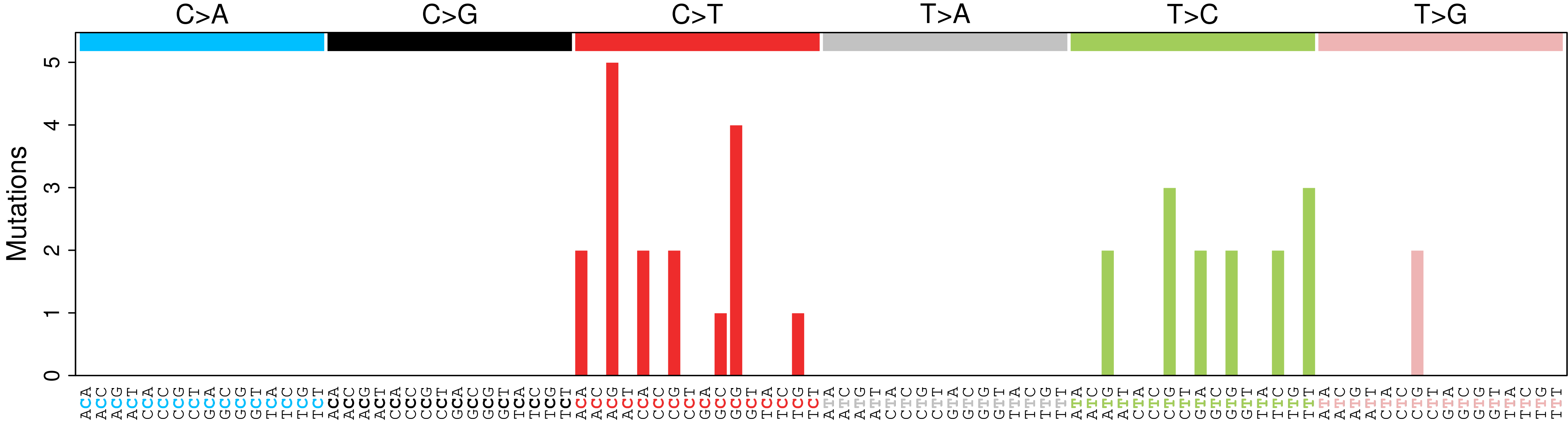
CATD0507a



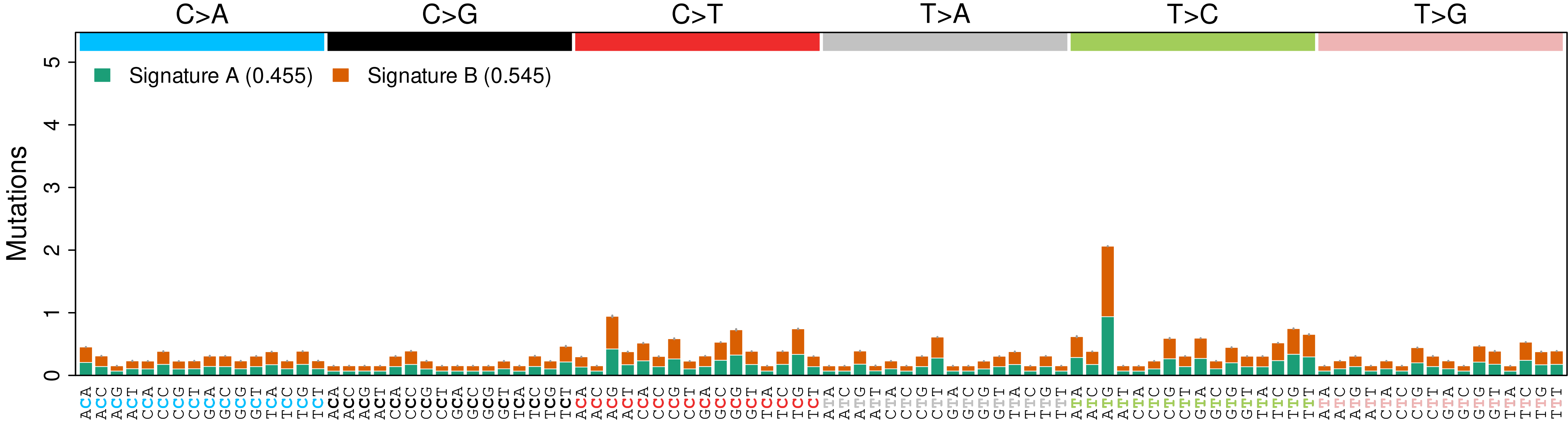
Reconstructed spectrum (cosine similarity = 0.247)



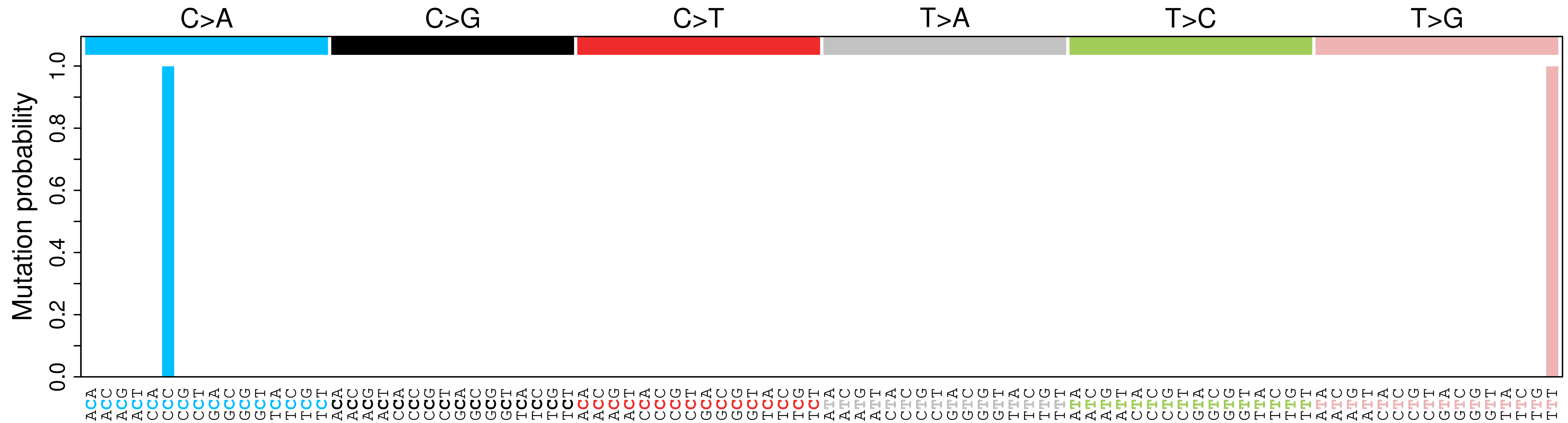
CATD0500a (33 mutations)



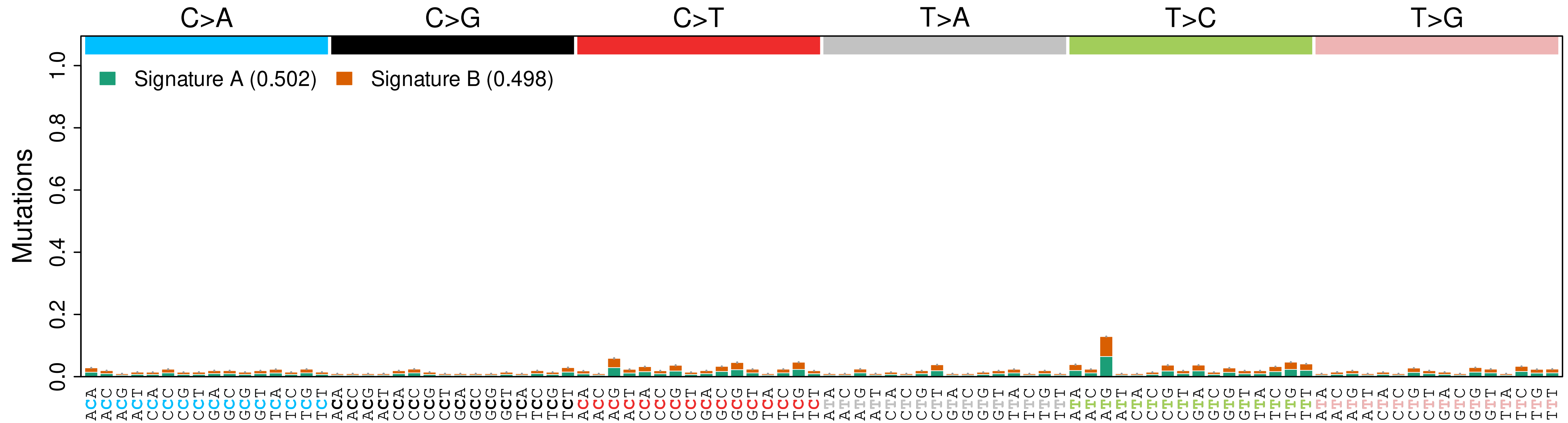
Reconstructed spectrum (cosine similarity = 0.605)



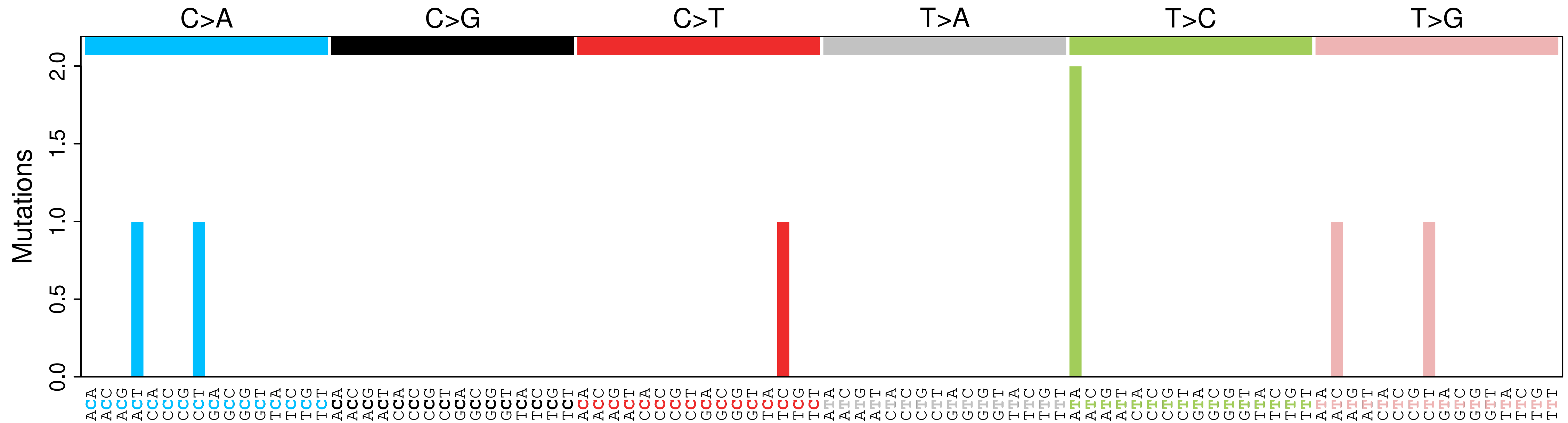
CATD0467a



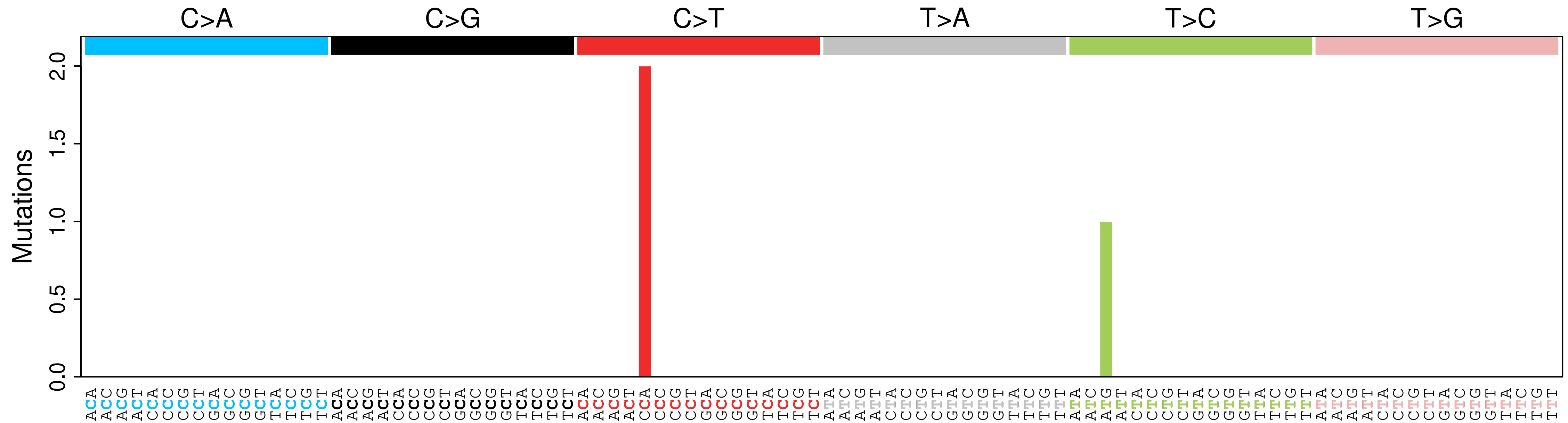
Reconstructed spectrum (cosine similarity = 0.135)



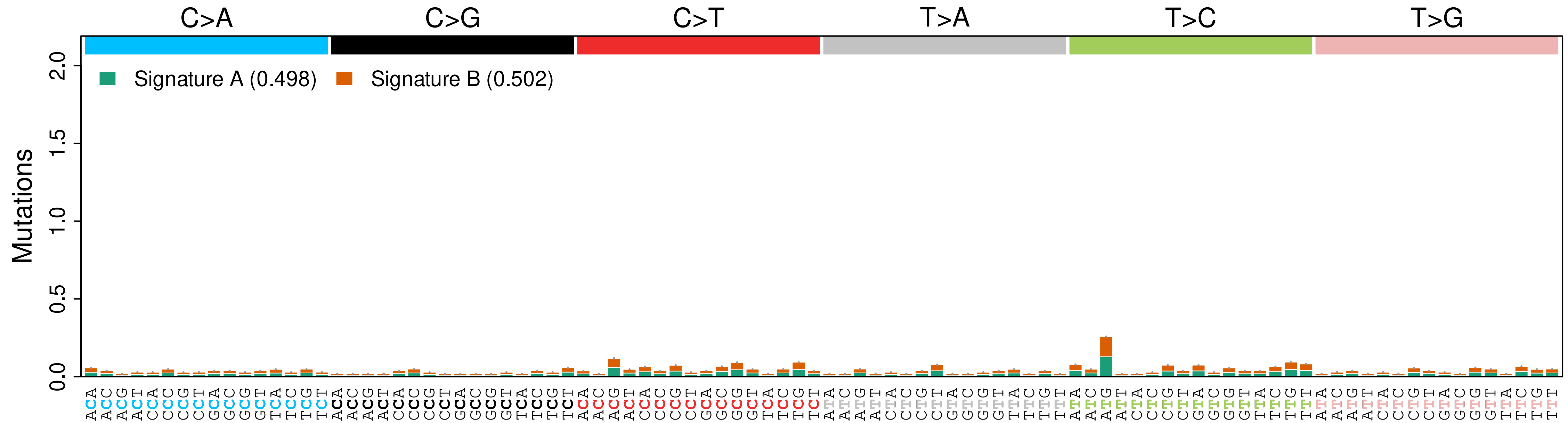
CATD0698a (7 mutations)



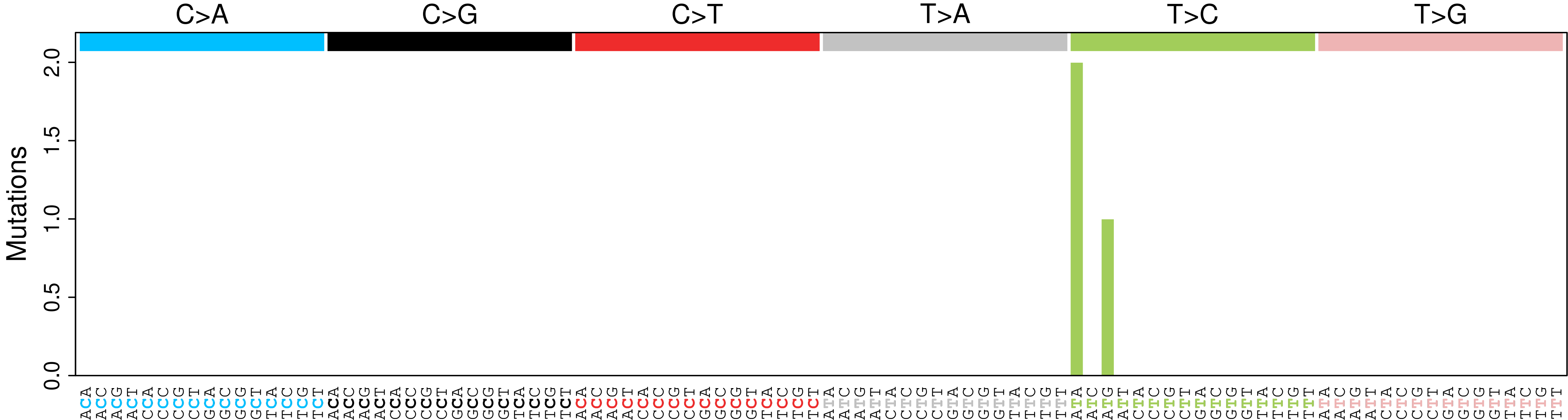
CATD0480a (3 mutations)



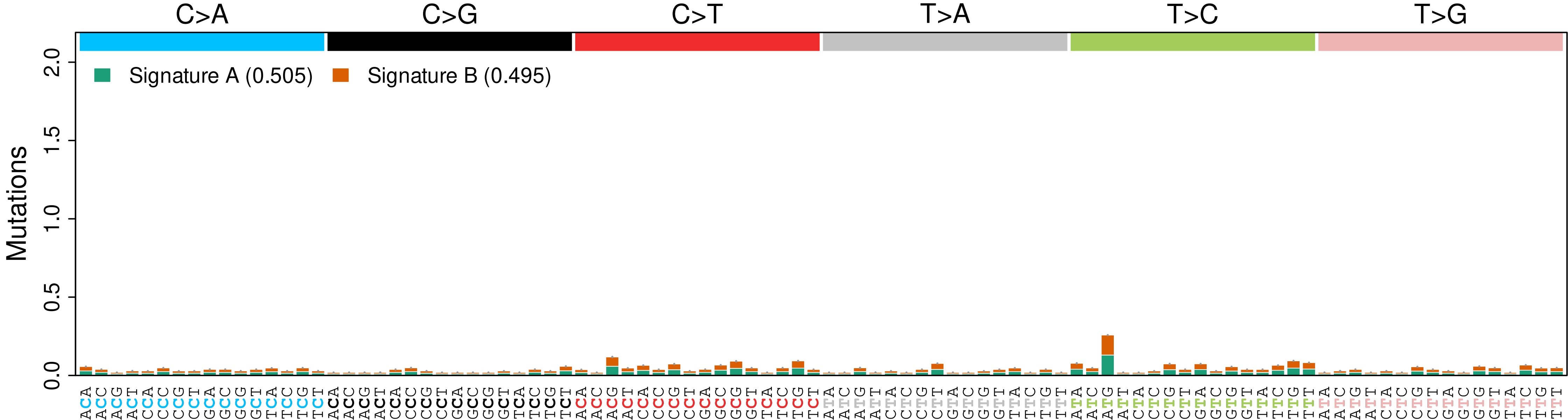
Reconstructed spectrum (cosine similarity = 0.342)



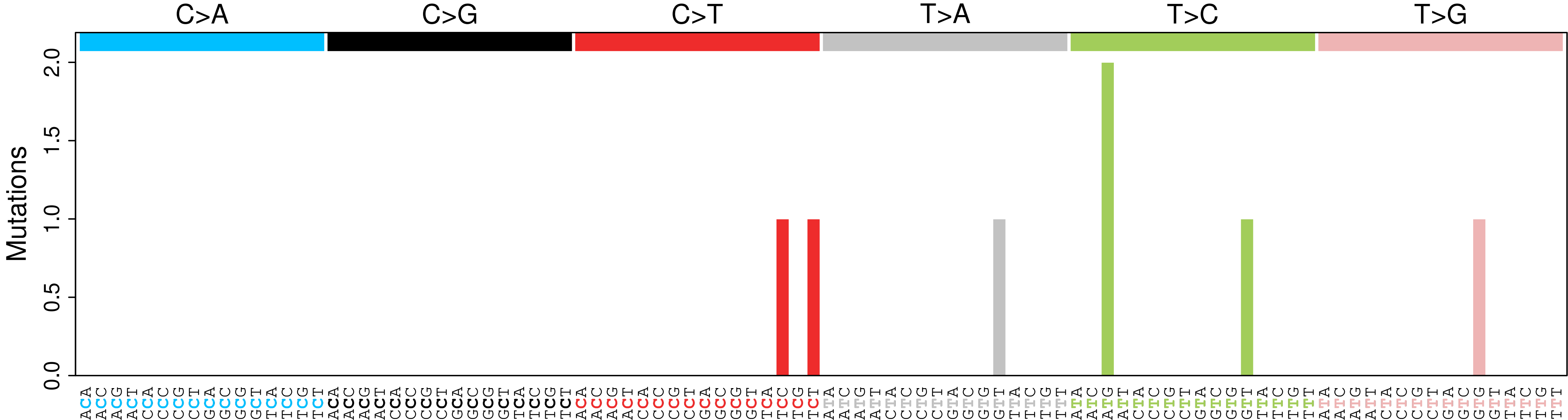
CATD0491a (3 mutations)



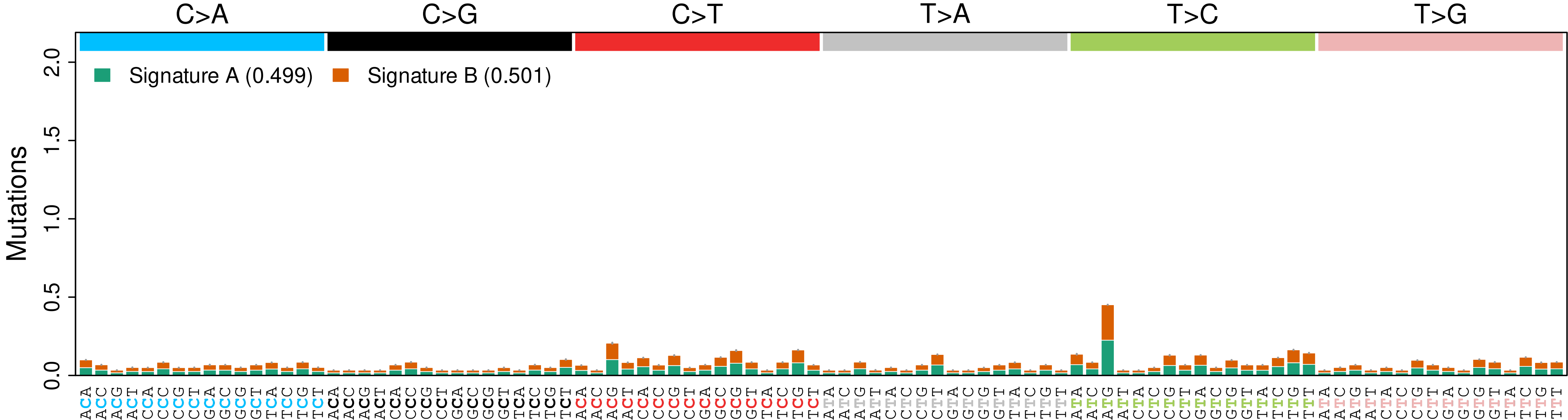
Reconstructed spectrum (cosine similarity = 0.365)



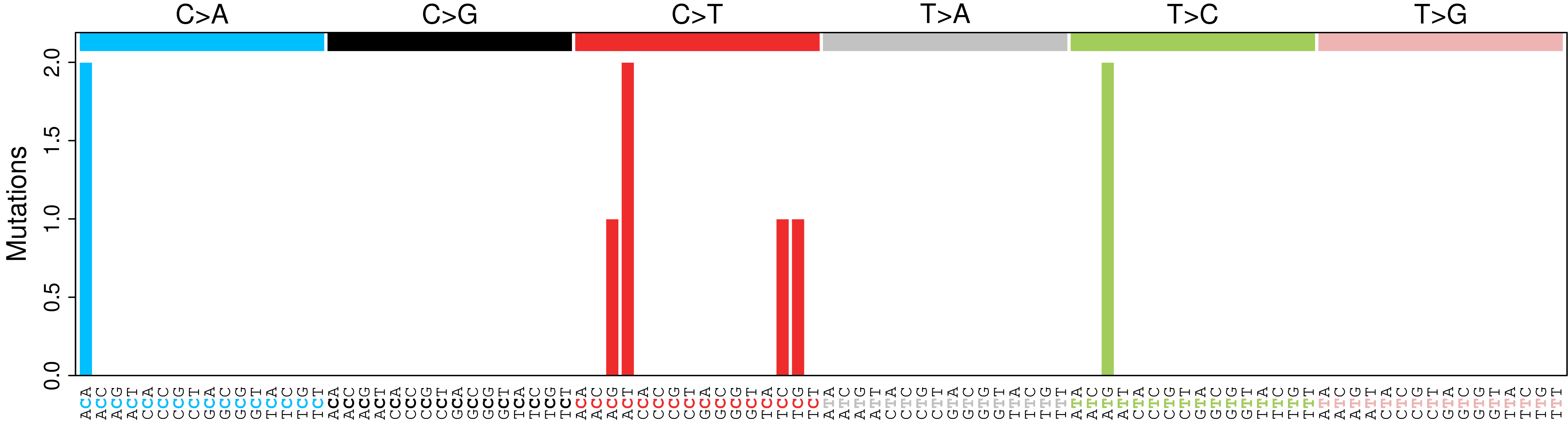
CATD0689a (7 mutations)



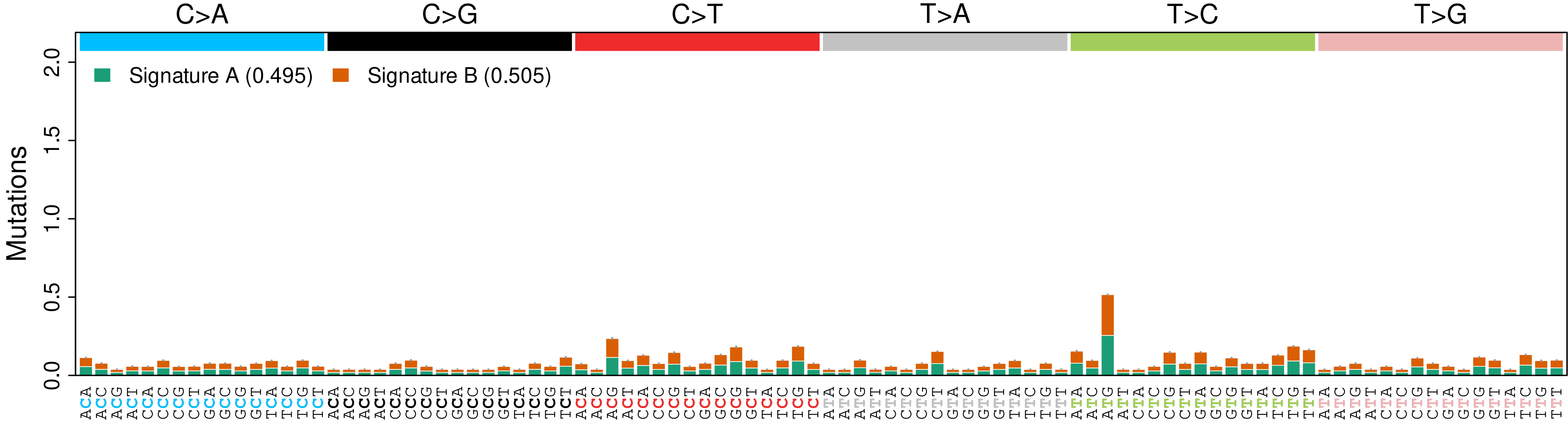
Reconstructed spectrum (cosine similarity = 0.486)



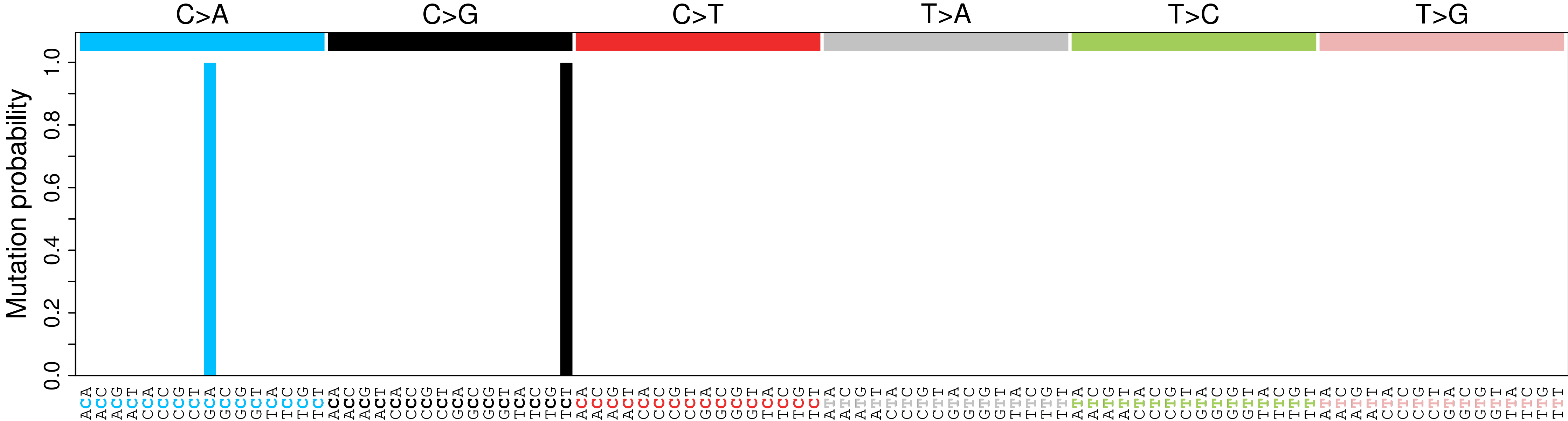
CATD0701a (9 mutations)



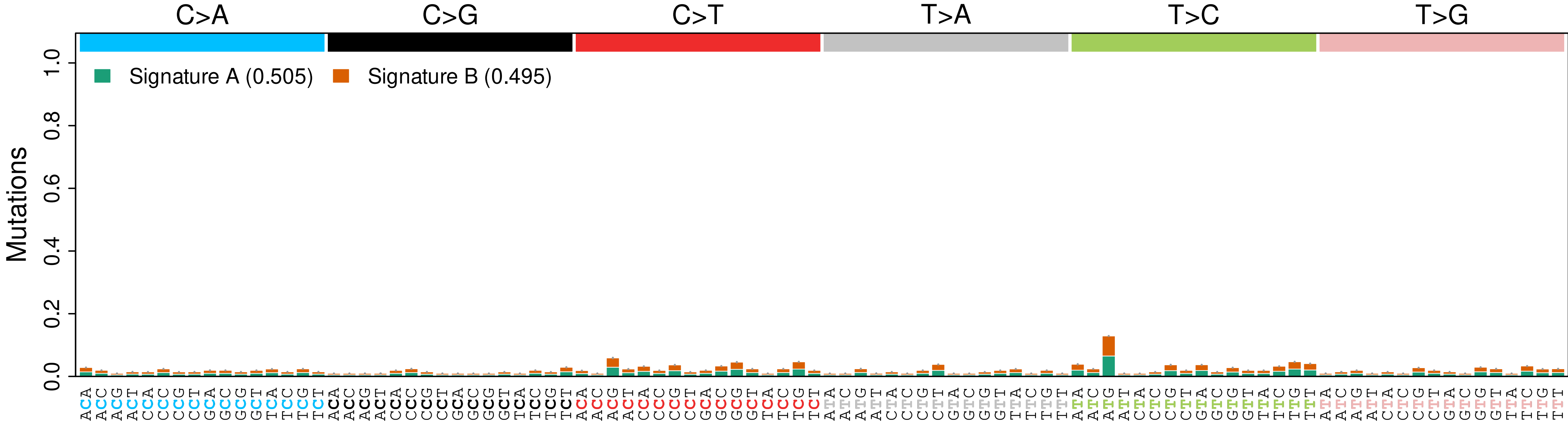
Reconstructed spectrum (cosine similarity = 0.502)



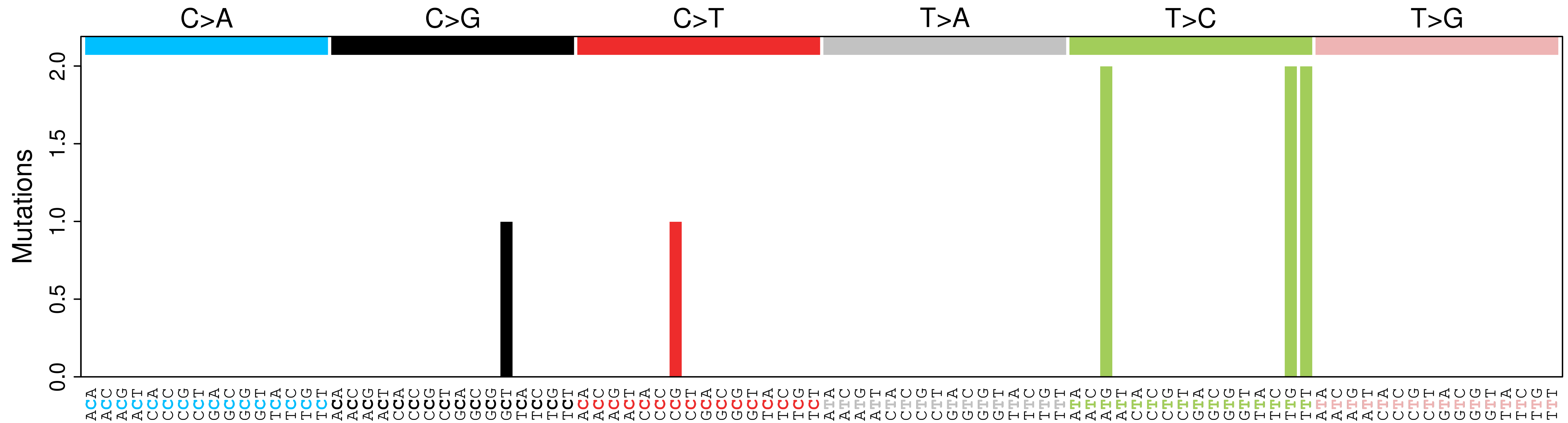
CATD0495a



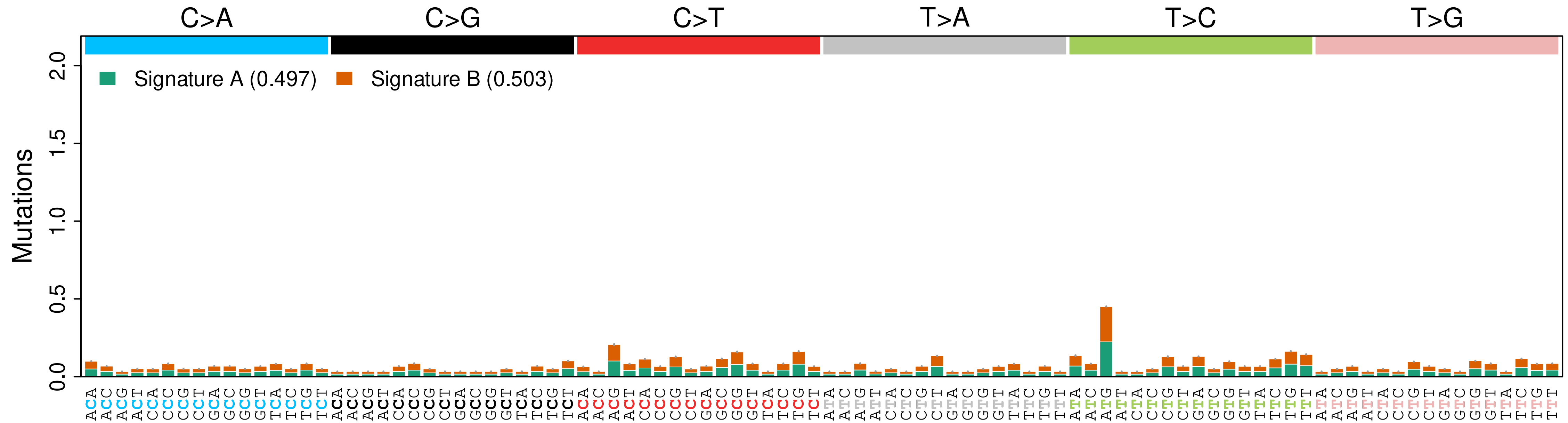
Reconstructed spectrum (cosine similarity = 0.135)



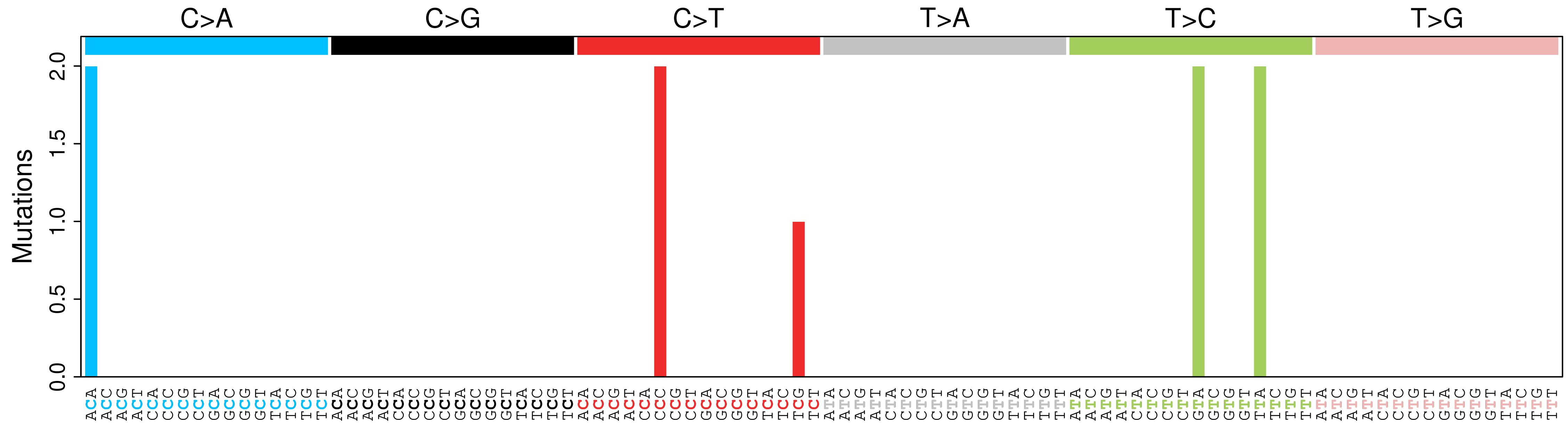
CATD0702a (8 mutations)



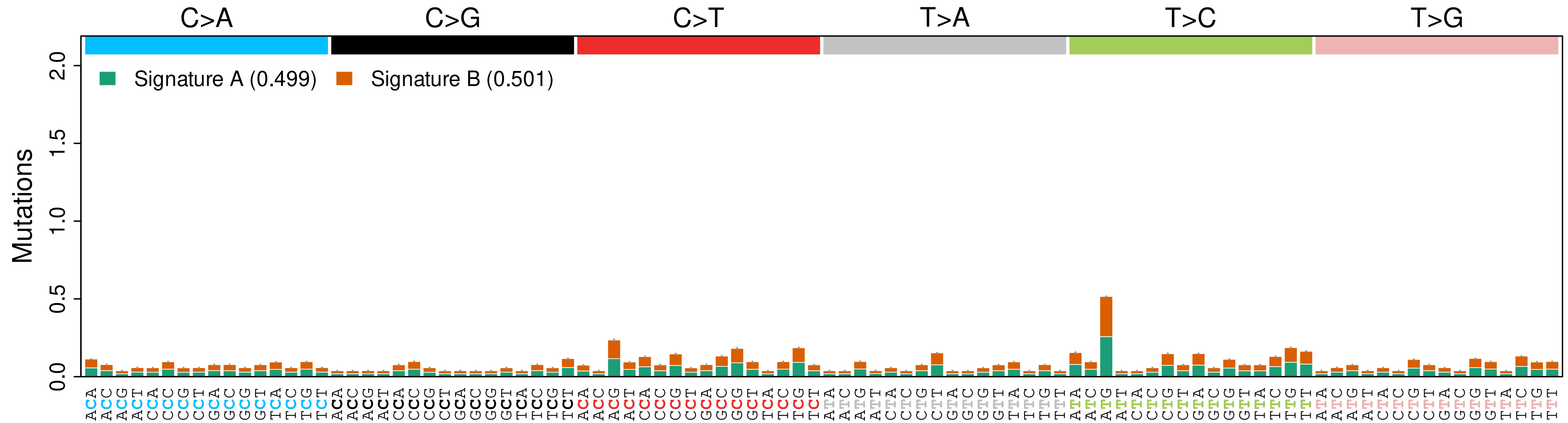
Reconstructed spectrum (cosine similarity = 0.512)



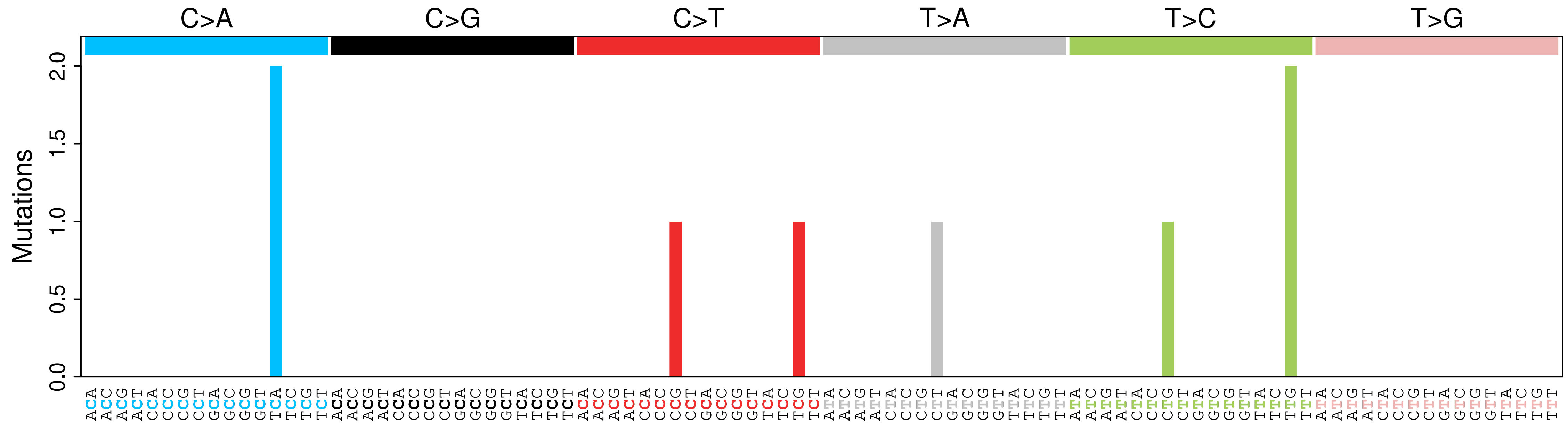
CATD0505a (9 mutations)



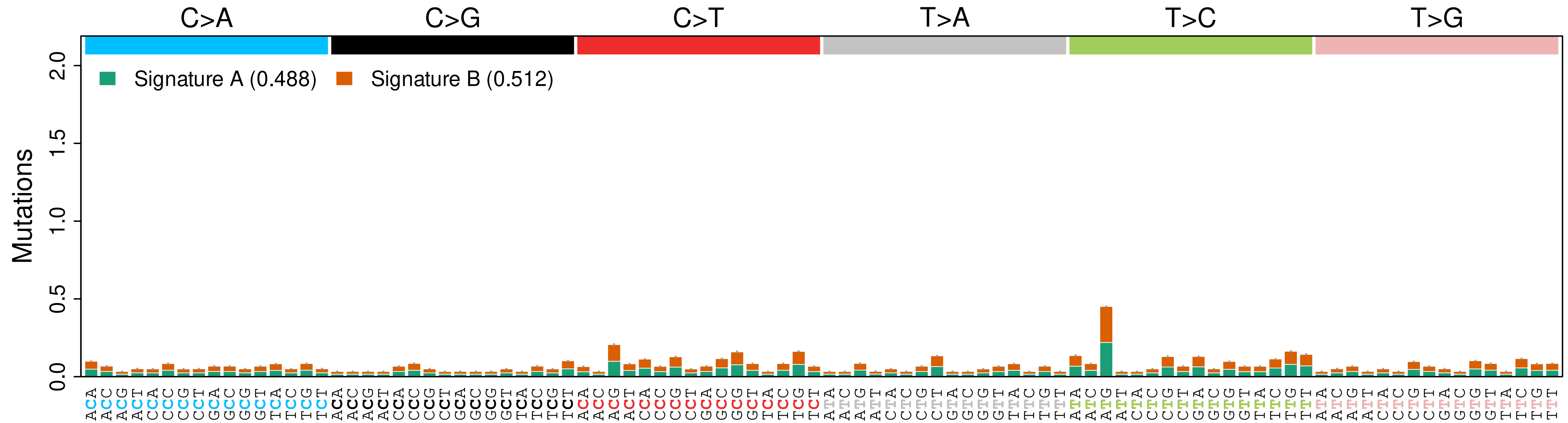
Reconstructed spectrum (cosine similarity = 0.243)



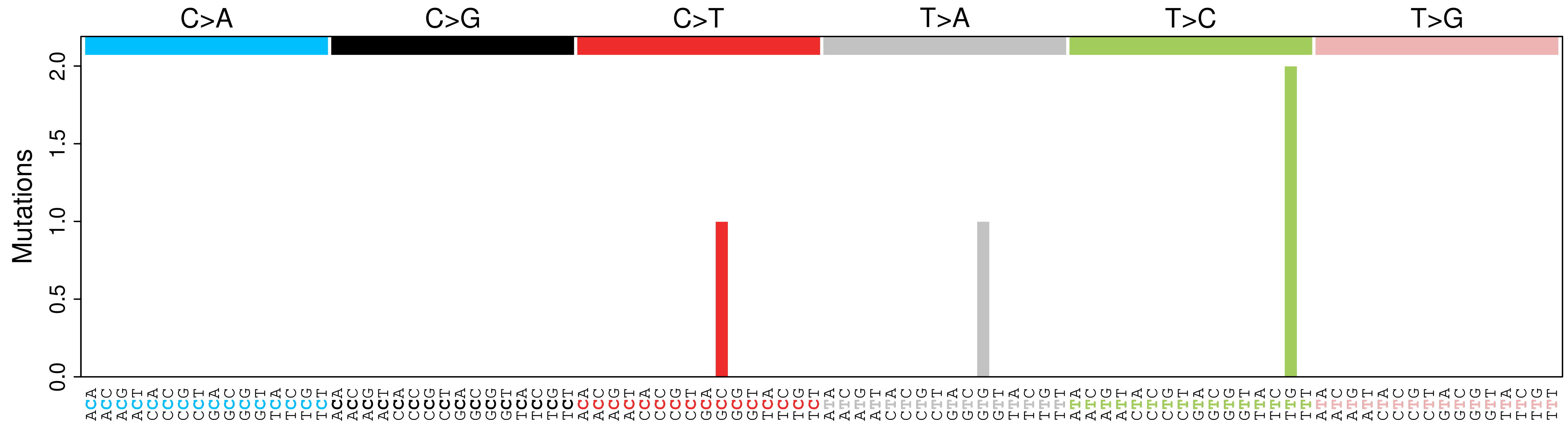
CATD0482a (8 mutations)



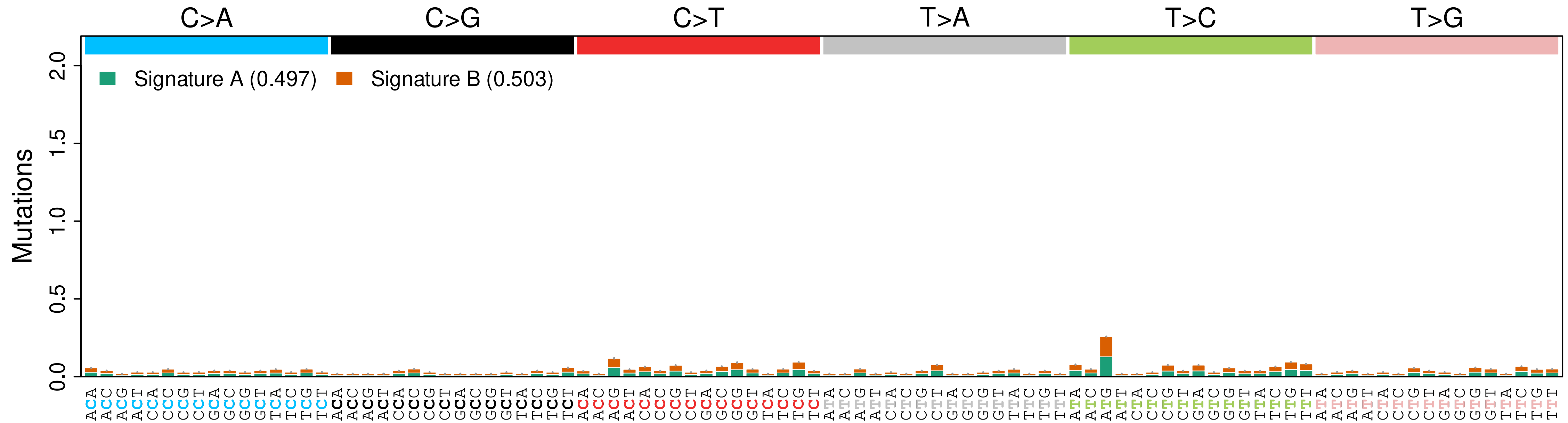
Reconstructed spectrum (cosine similarity = 0.341)



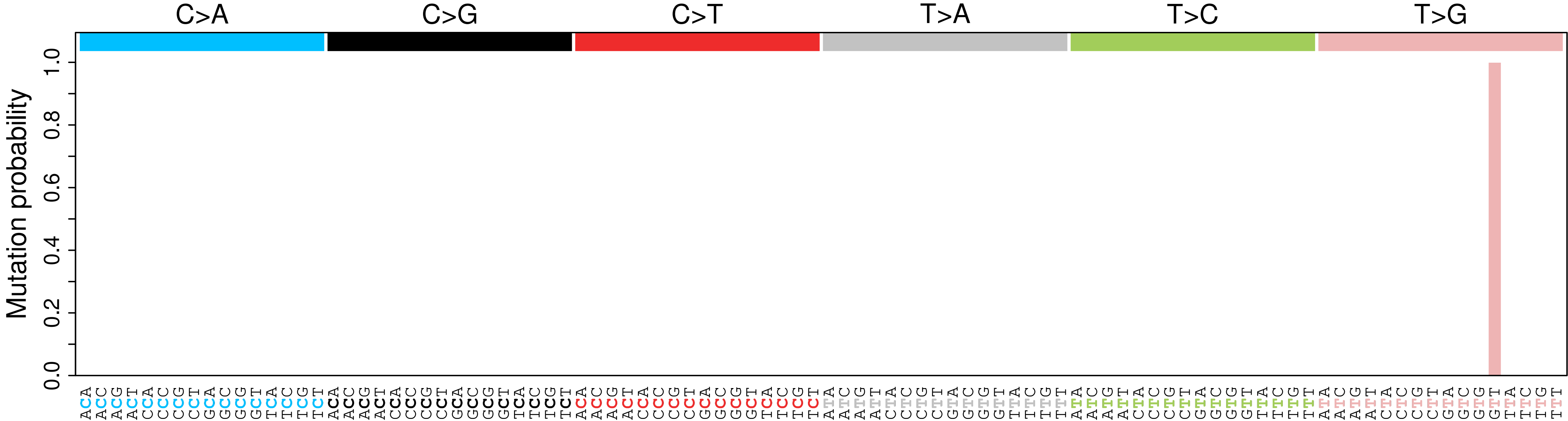
CATD0694a (4 mutations)



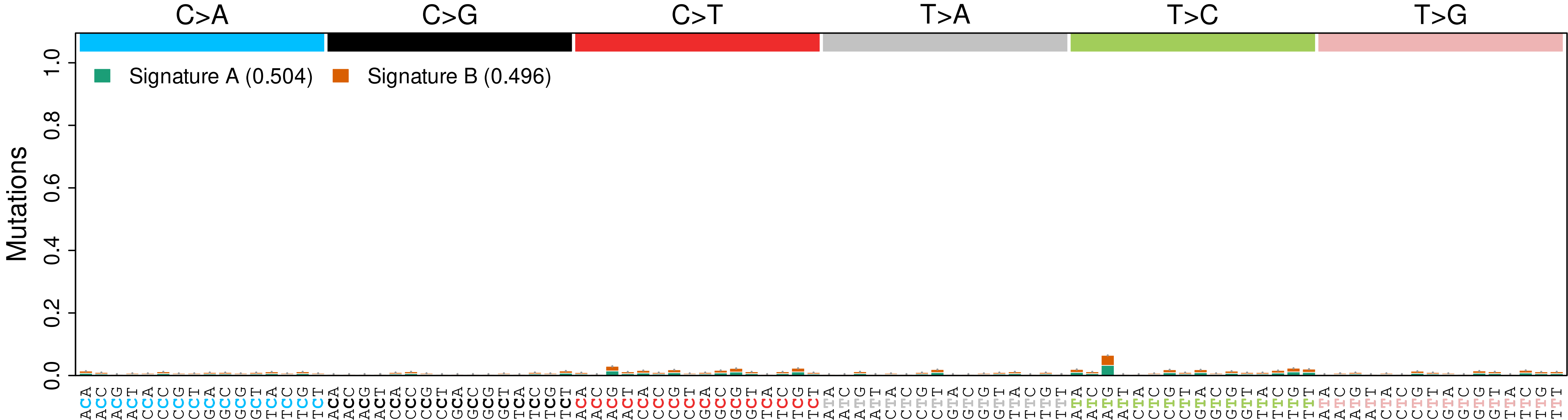
Reconstructed spectrum (cosine similarity = 0.227)



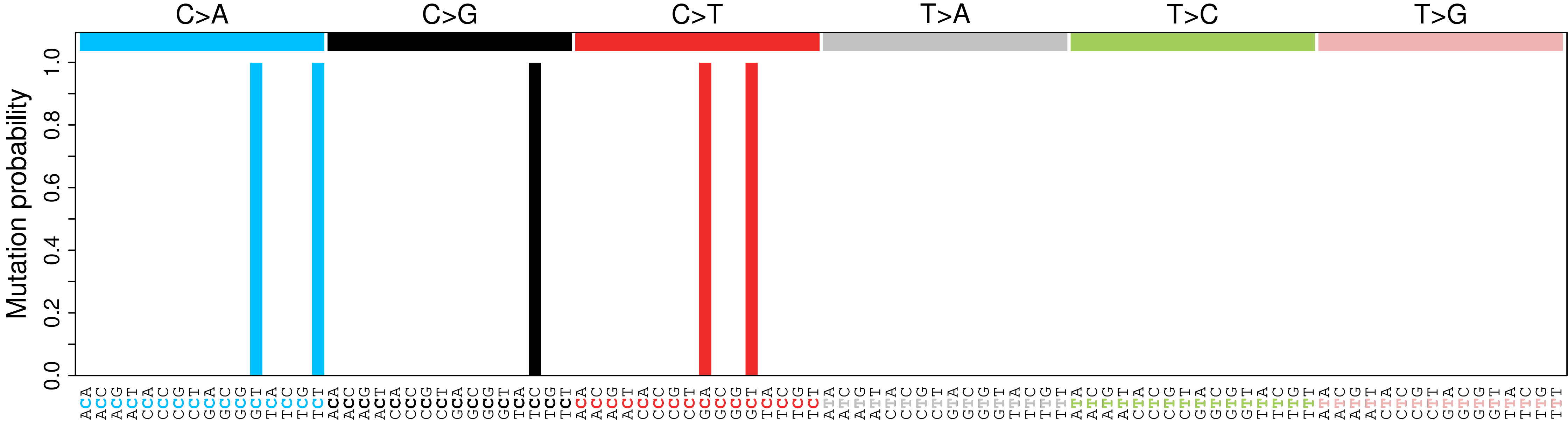
CATD0499a



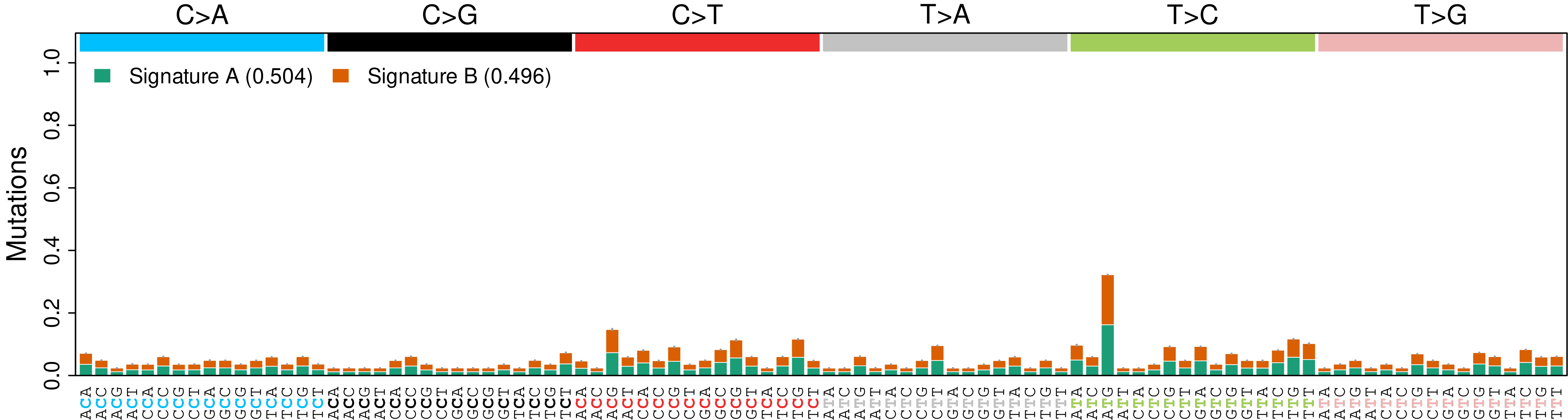
Reconstructed spectrum (cosine similarity = 0.096)



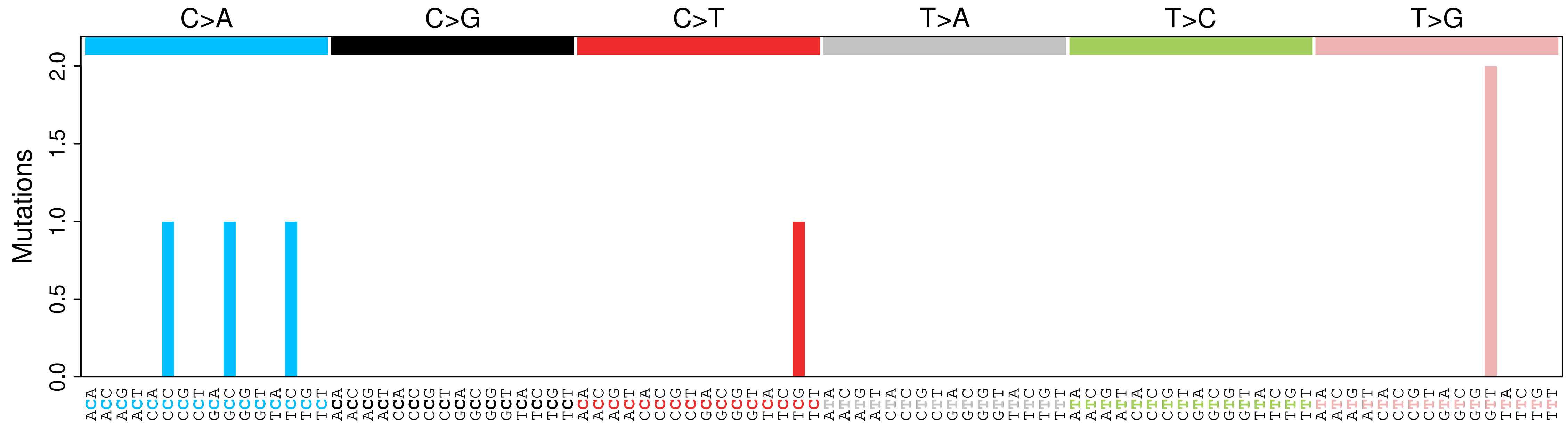
CATD0504a



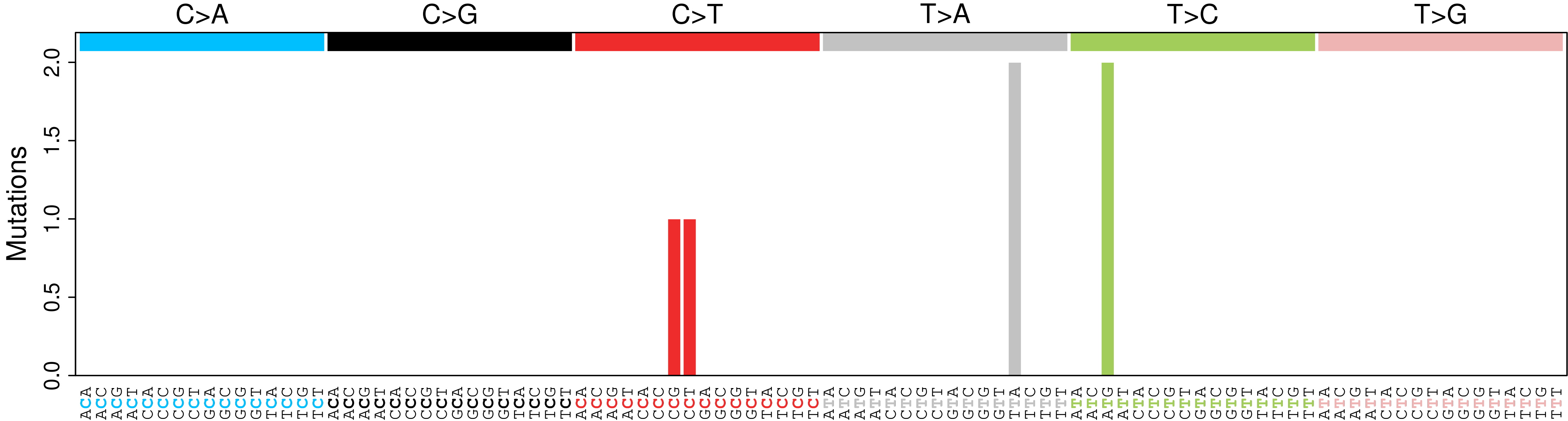
Reconstructed spectrum (cosine similarity = 0.171)



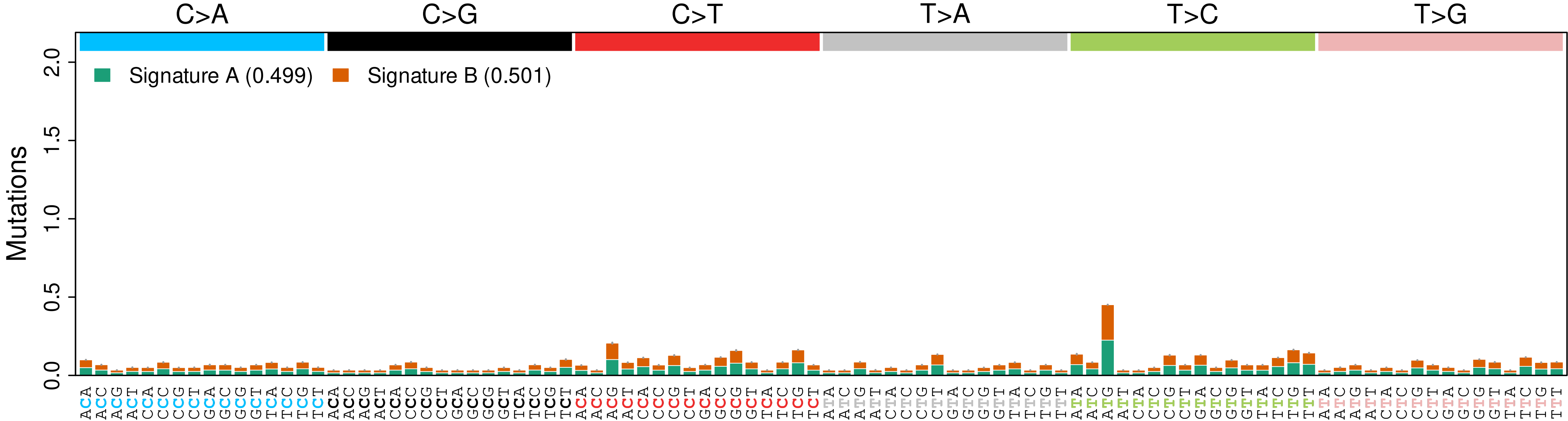
CATD0700a (6 mutations)



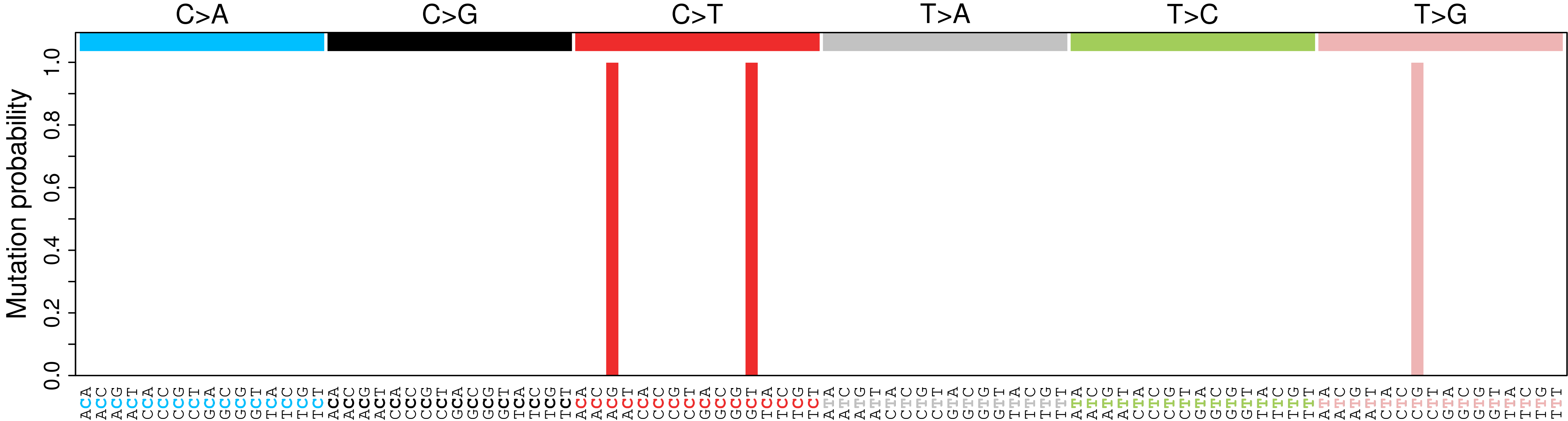
CATD0469a (6 mutations)



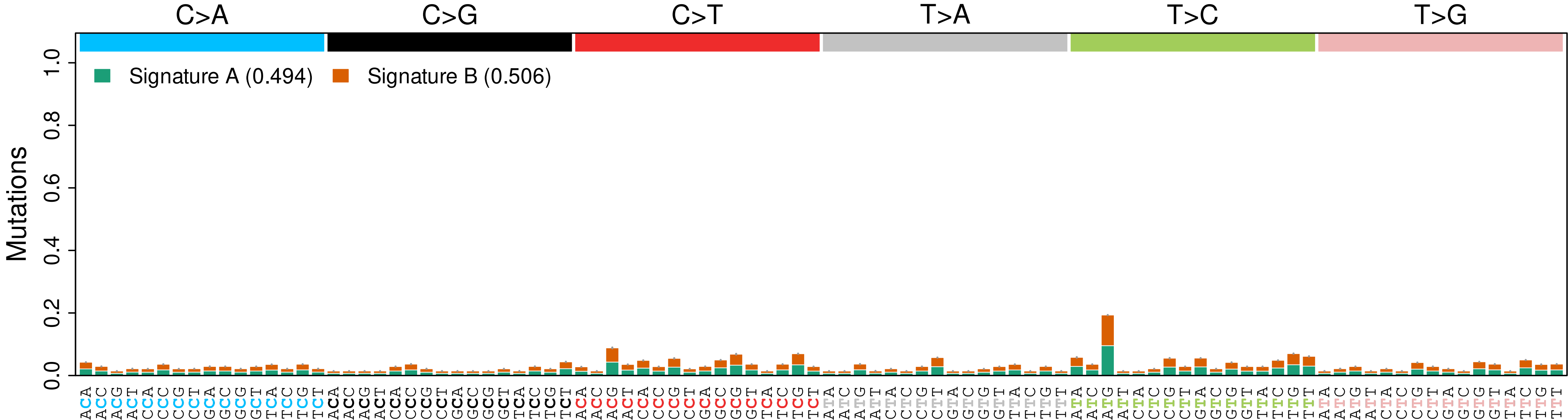
Reconstructed spectrum (cosine similarity = 0.446)



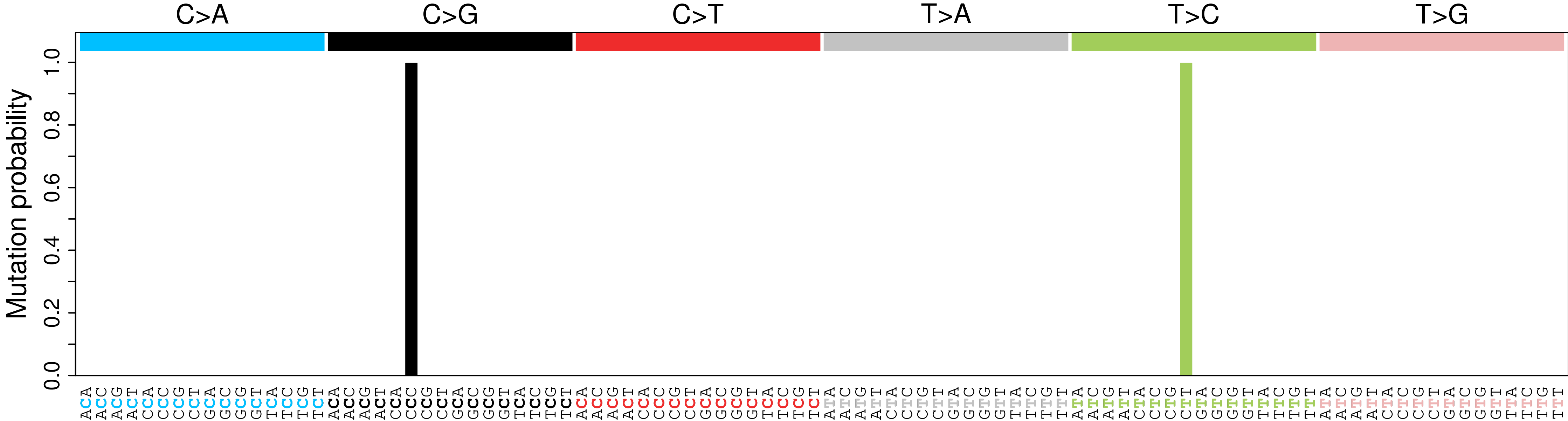
CATD0468a



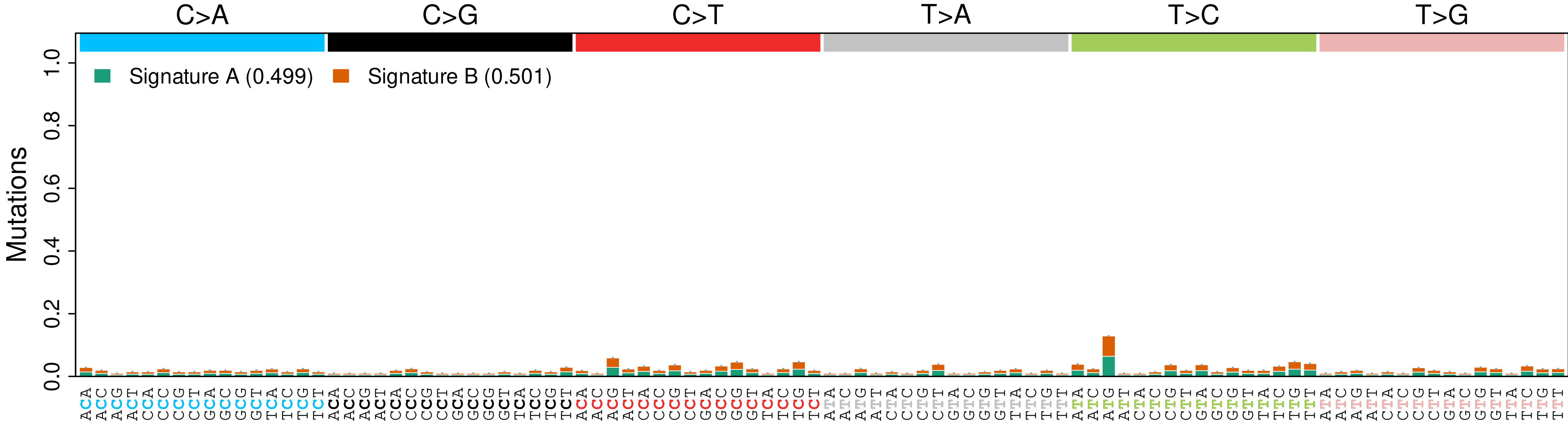
Reconstructed spectrum (cosine similarity = 0.253)



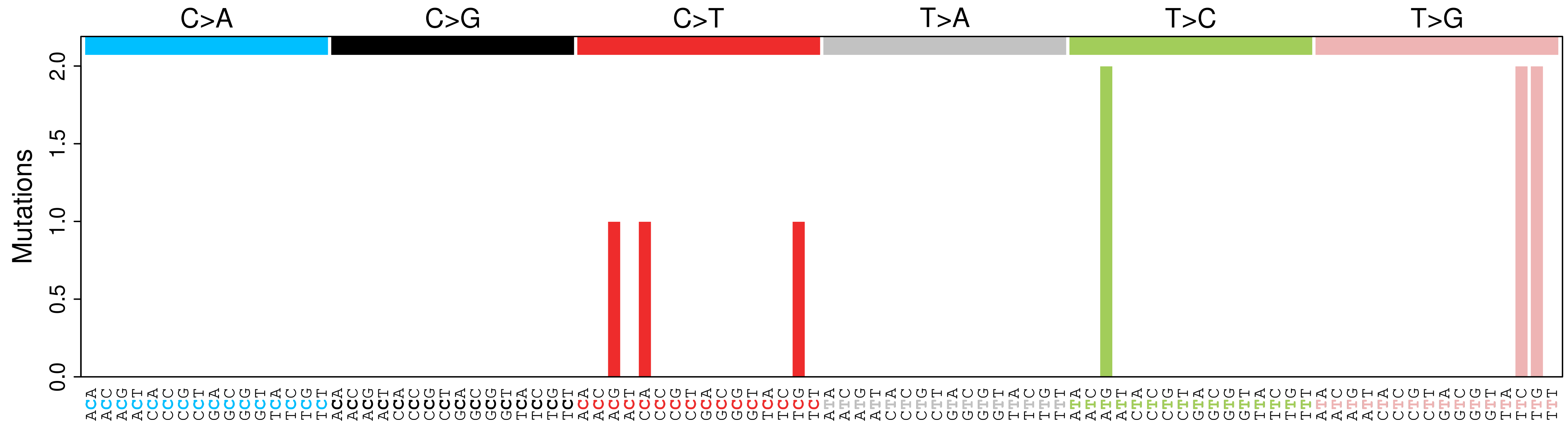
CATD0691a



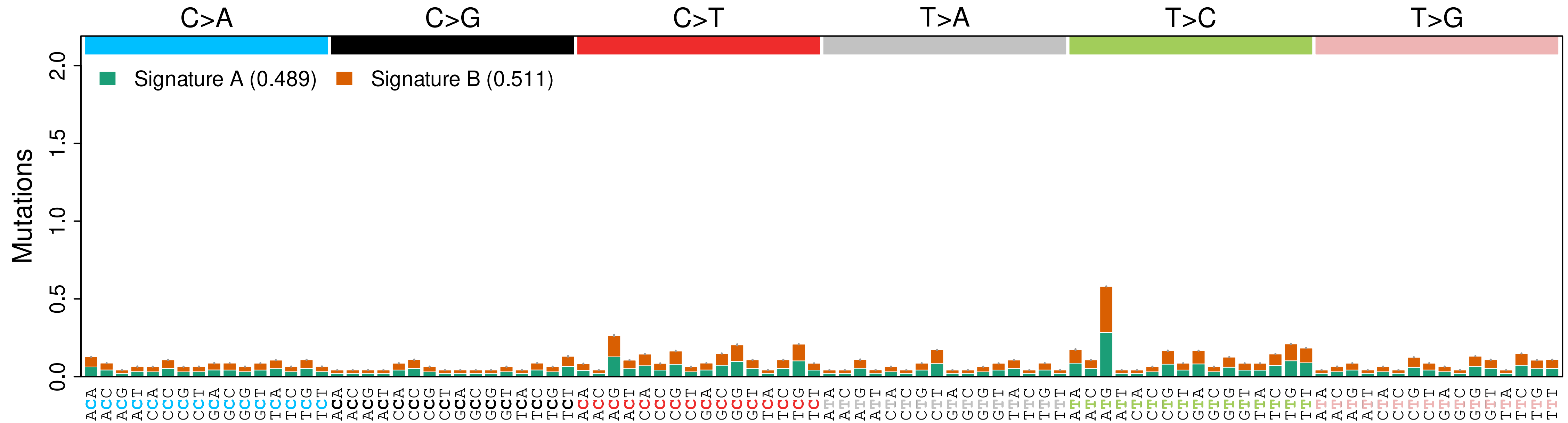
Reconstructed spectrum (cosine similarity = 0.122)



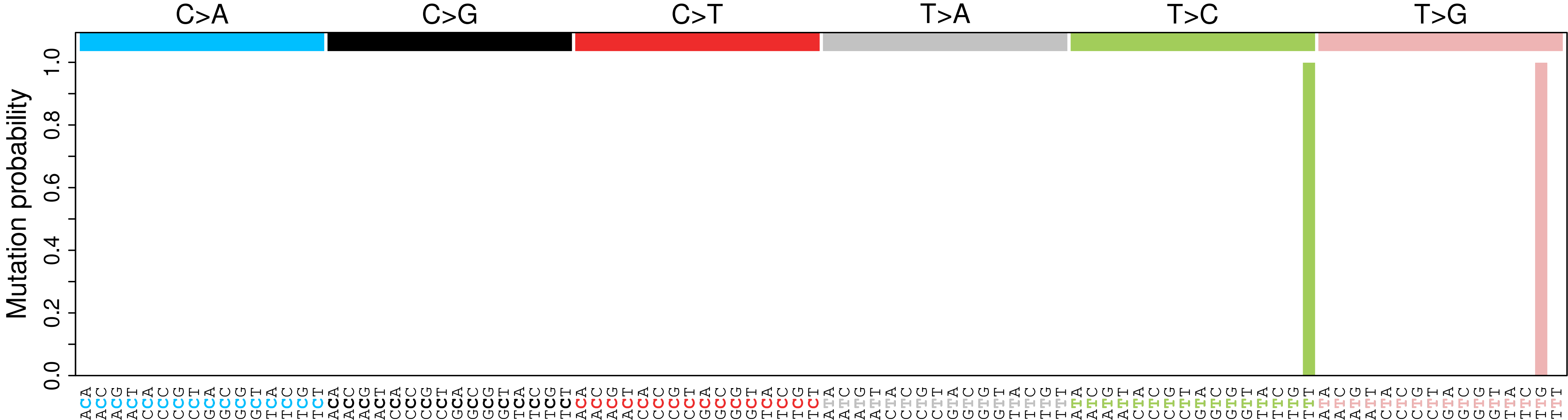
CATD0479a (9 mutations)



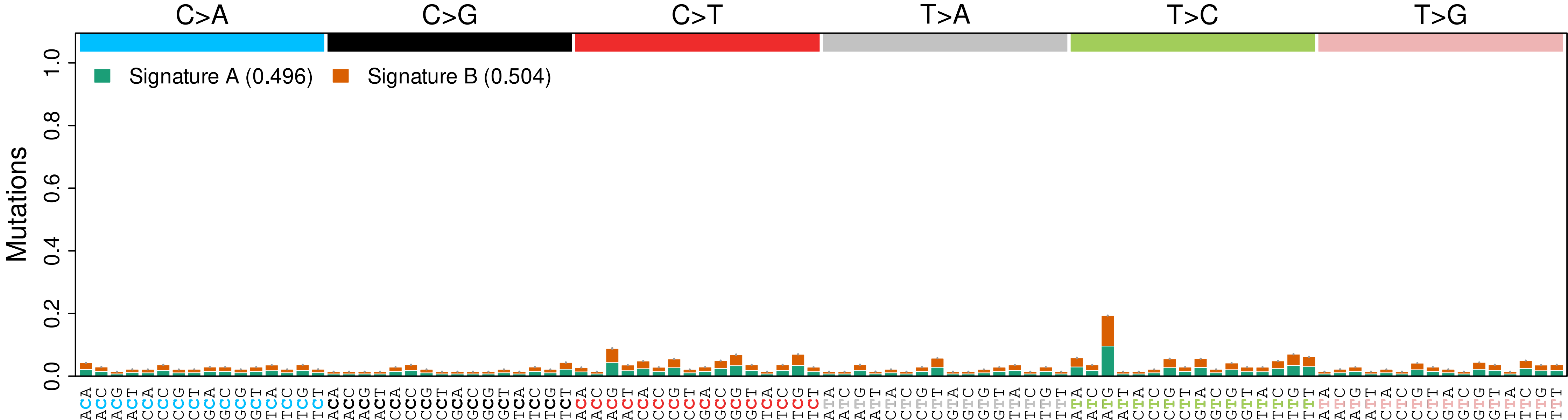
Reconstructed spectrum (cosine similarity = 0.52)



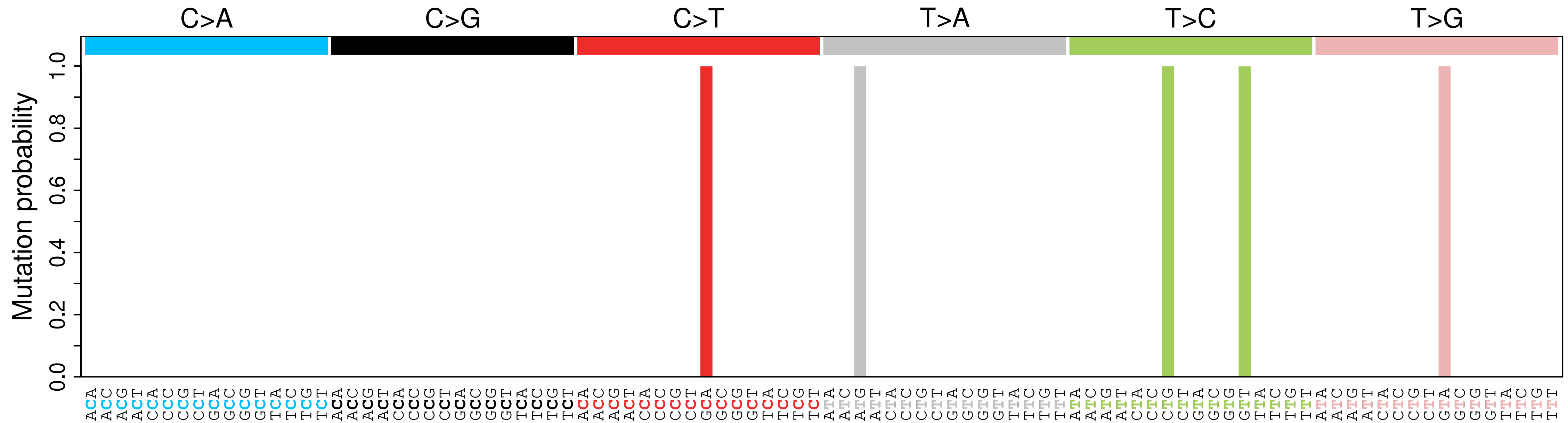
CATD0688a



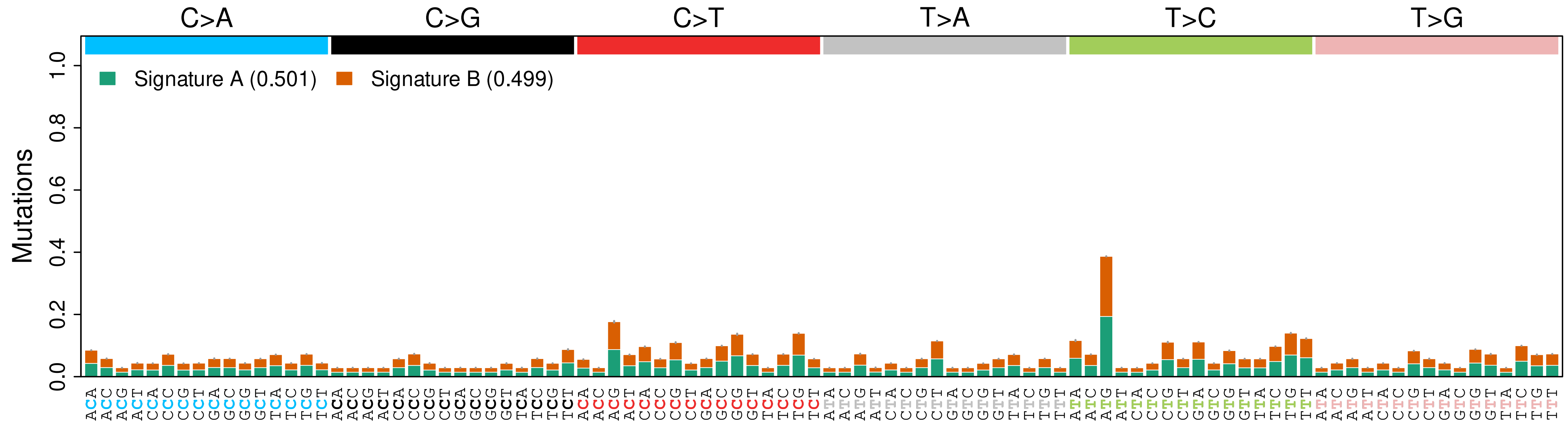
Reconstructed spectrum (cosine similarity = 0.18)



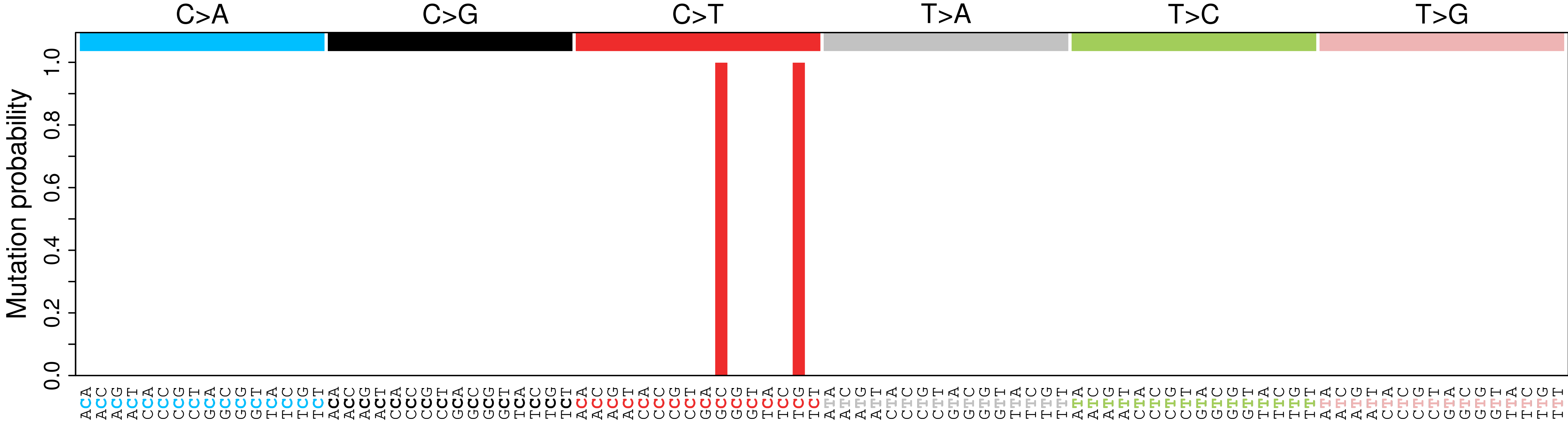
CATD0494a



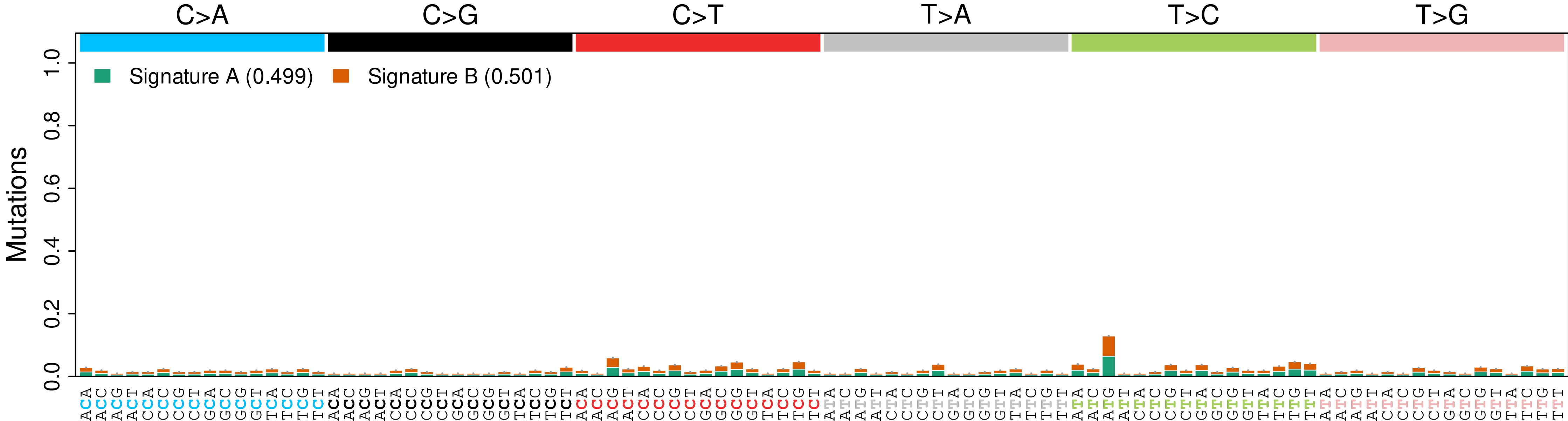
Reconstructed spectrum (cosine similarity = 0.202)



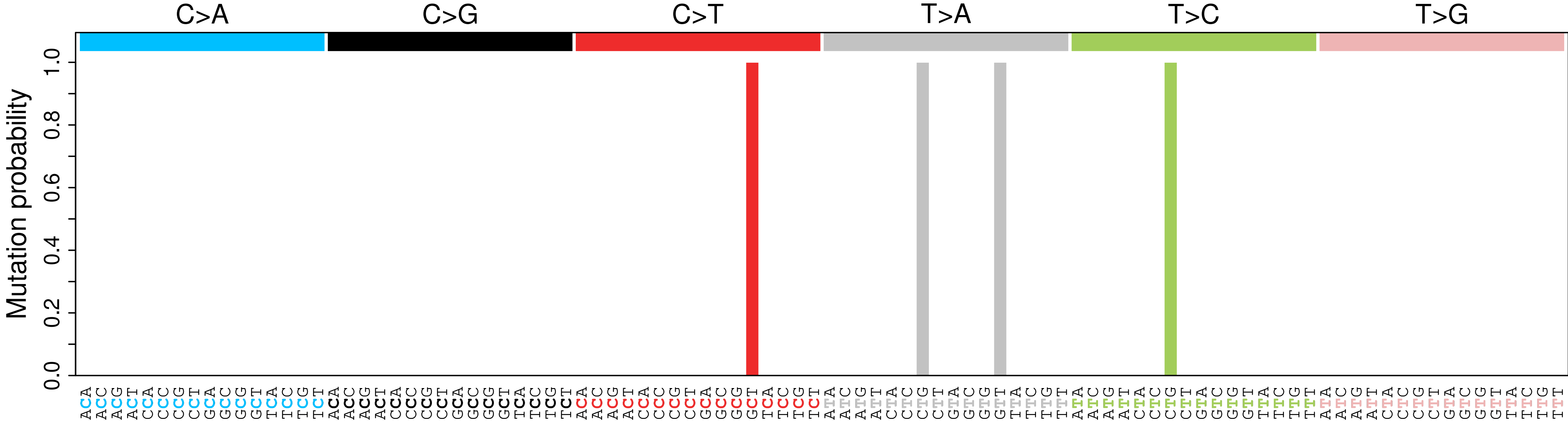
CATD0742a



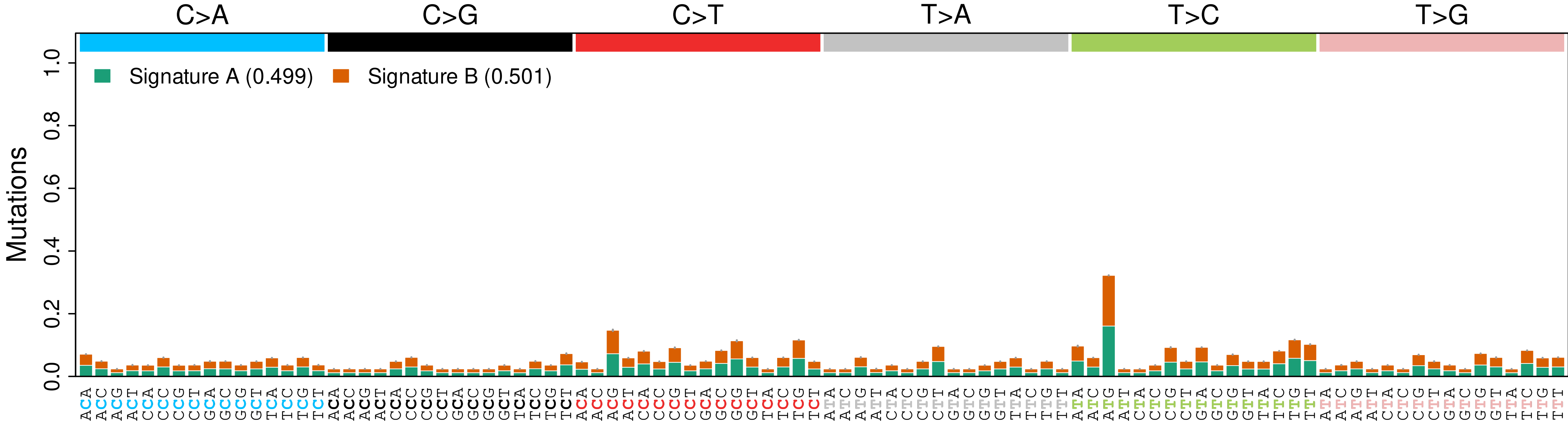
Reconstructed spectrum (cosine similarity = 0.223)



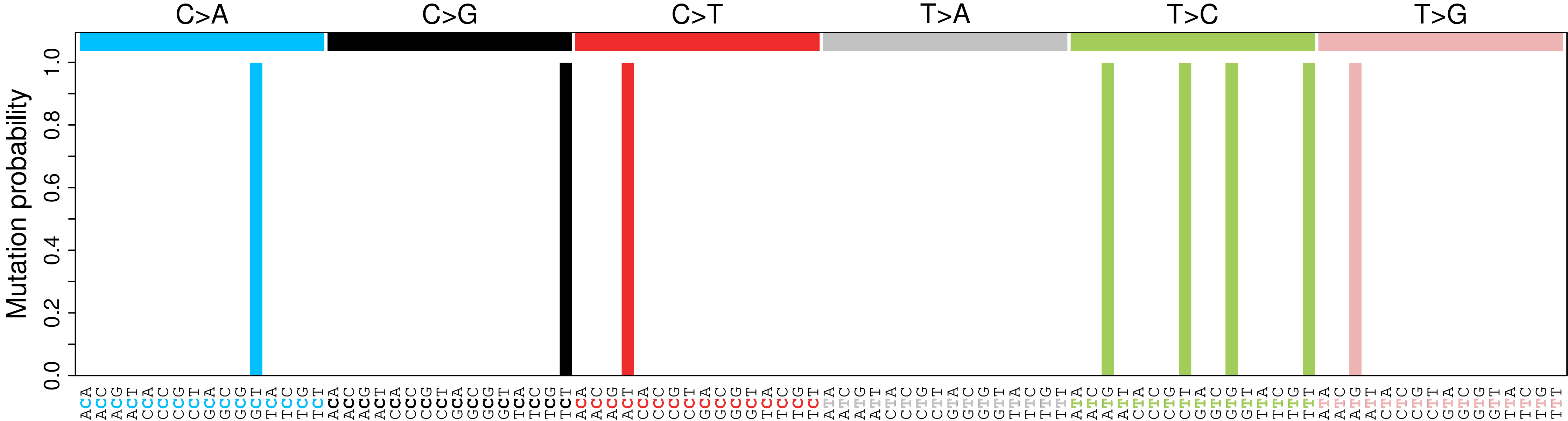
CATD0746a



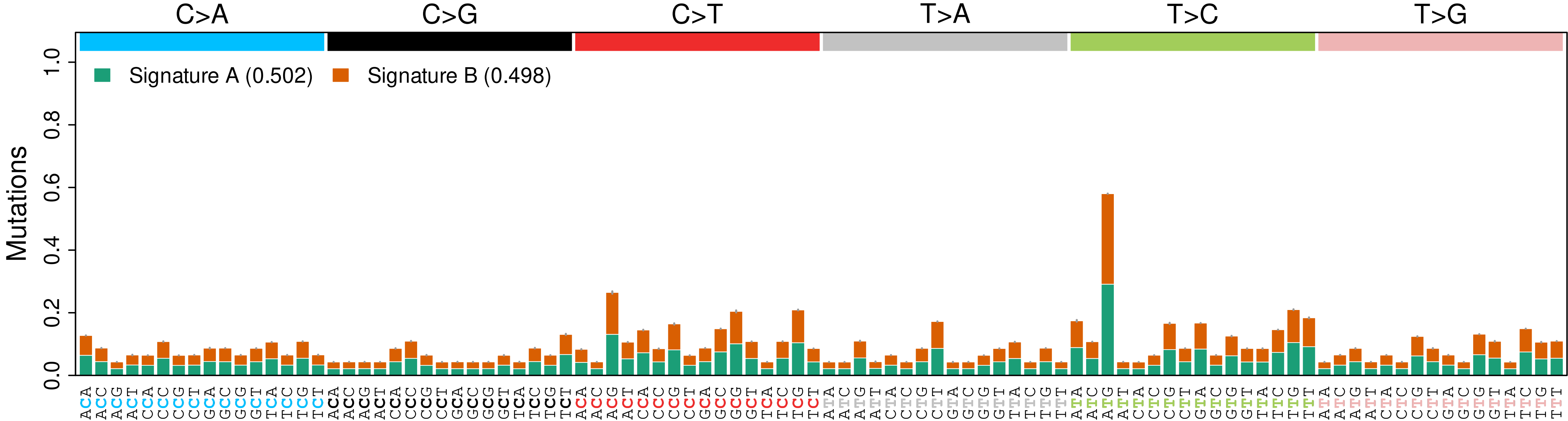
Reconstructed spectrum (cosine similarity = 0.196)



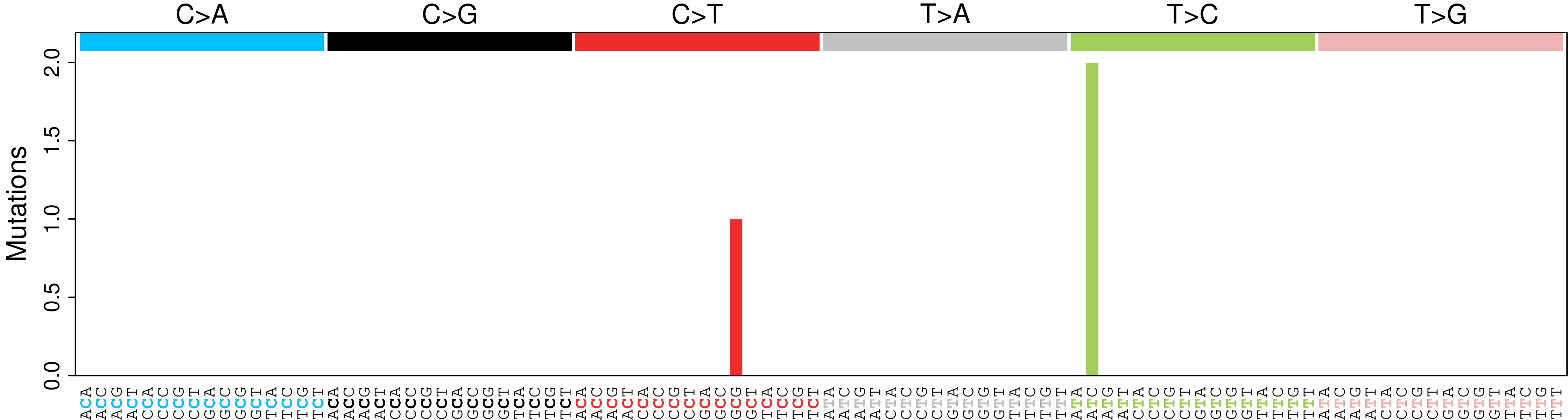
CATD0745a



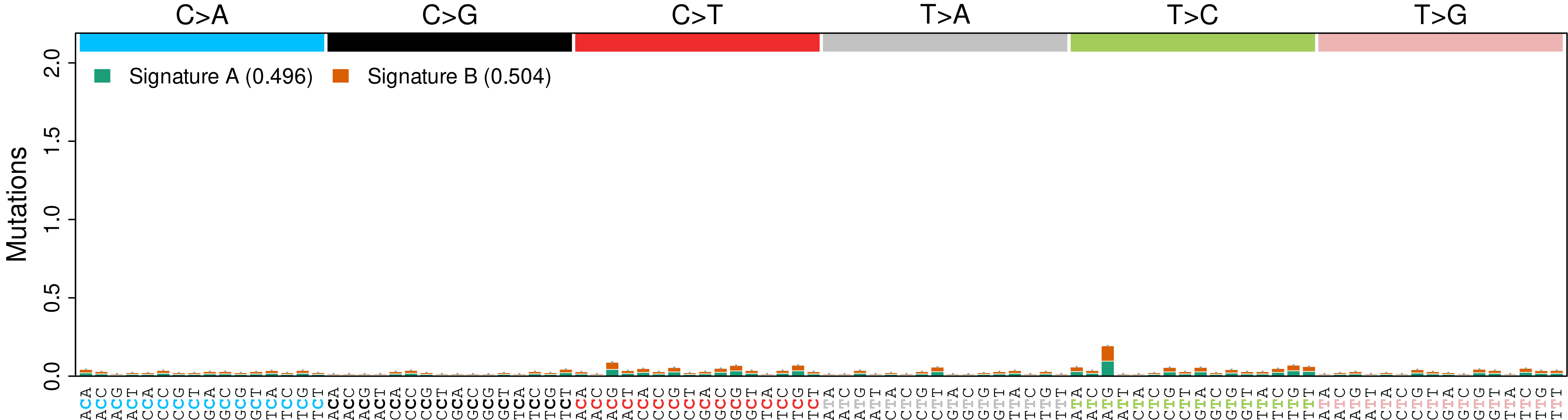
Reconstructed spectrum (cosine similarity = 0.431)



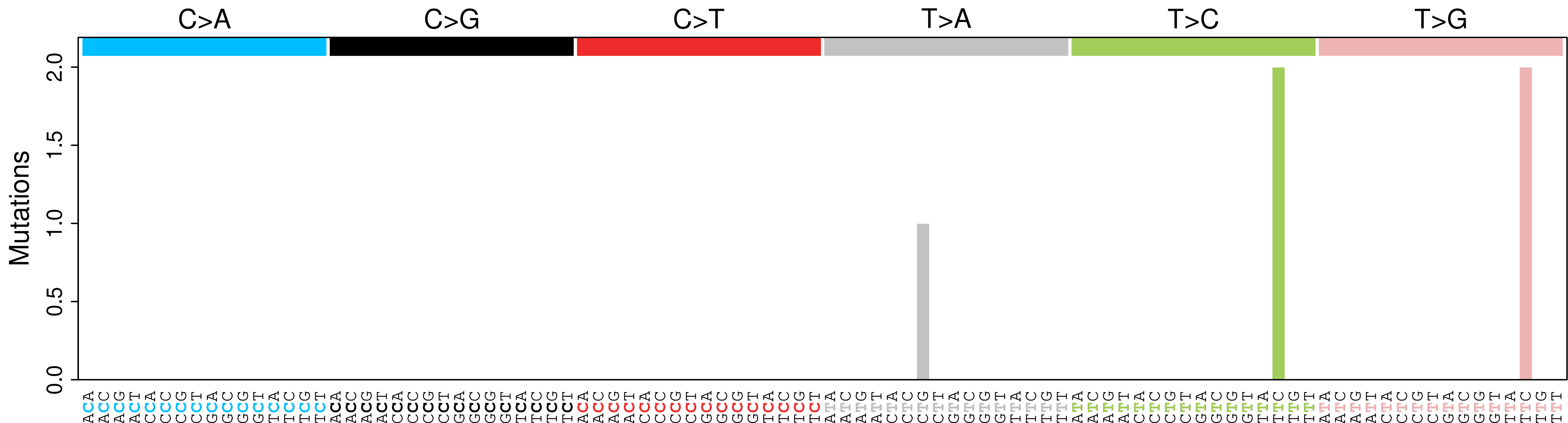
CATD0503a (3 mutations)



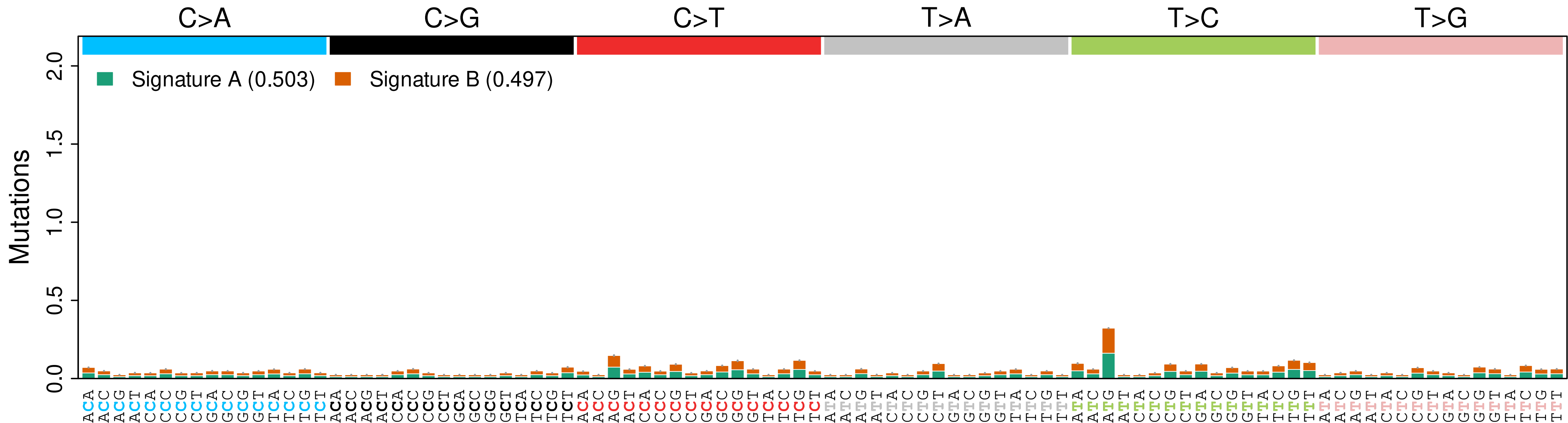
Reconstructed spectrum (cosine similarity = 0.165)



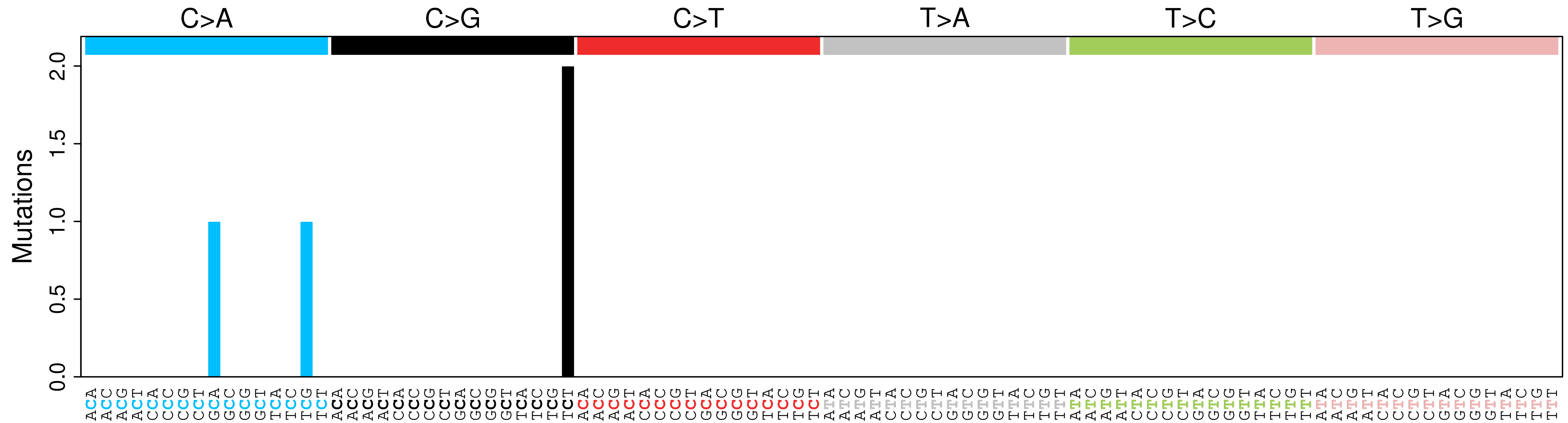
CATD0743a (5 mutations)



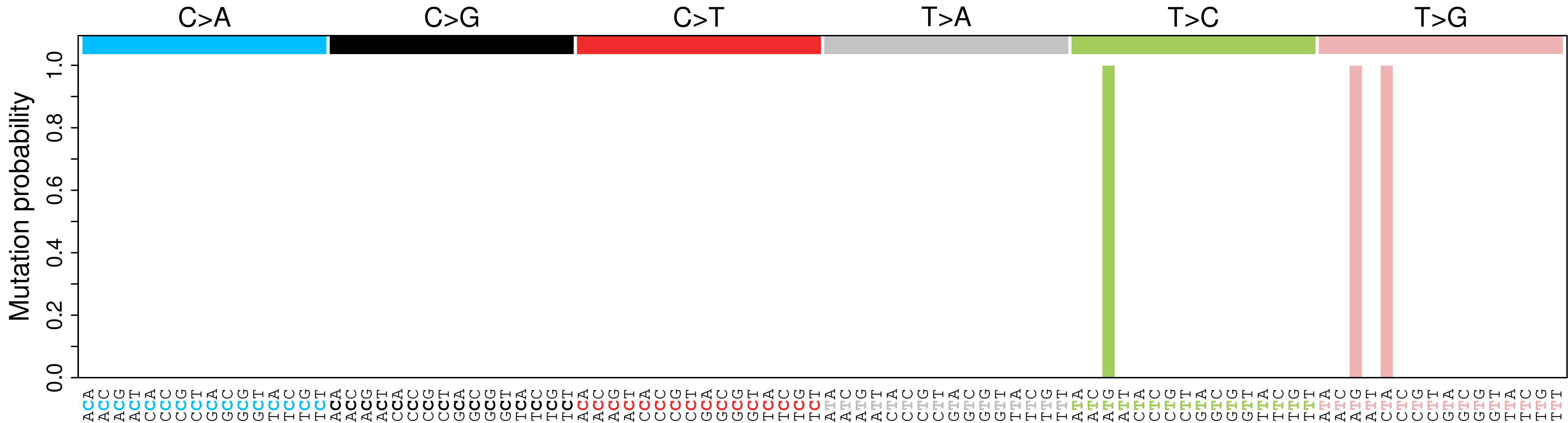
Reconstructed spectrum (cosine similarity = 0.198)



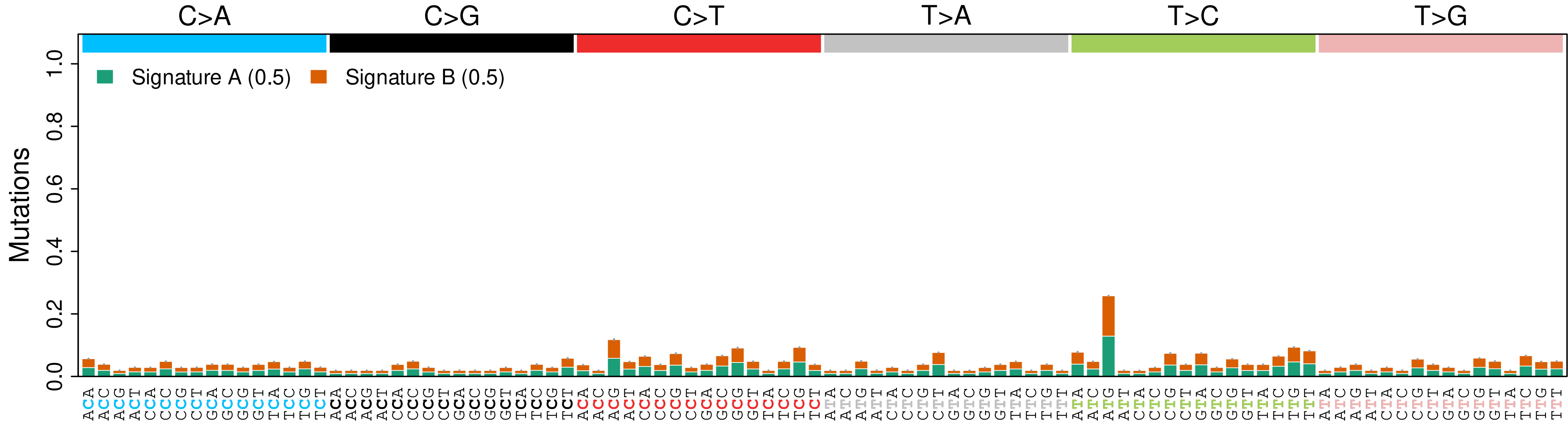
CATD0737a (4 mutations)



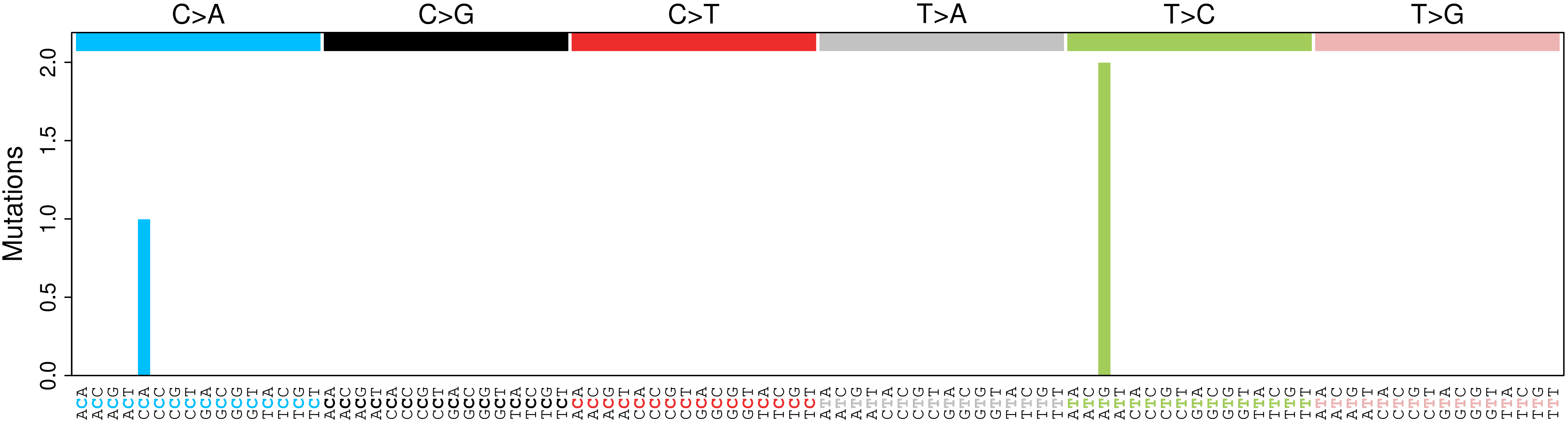
CATD0478a



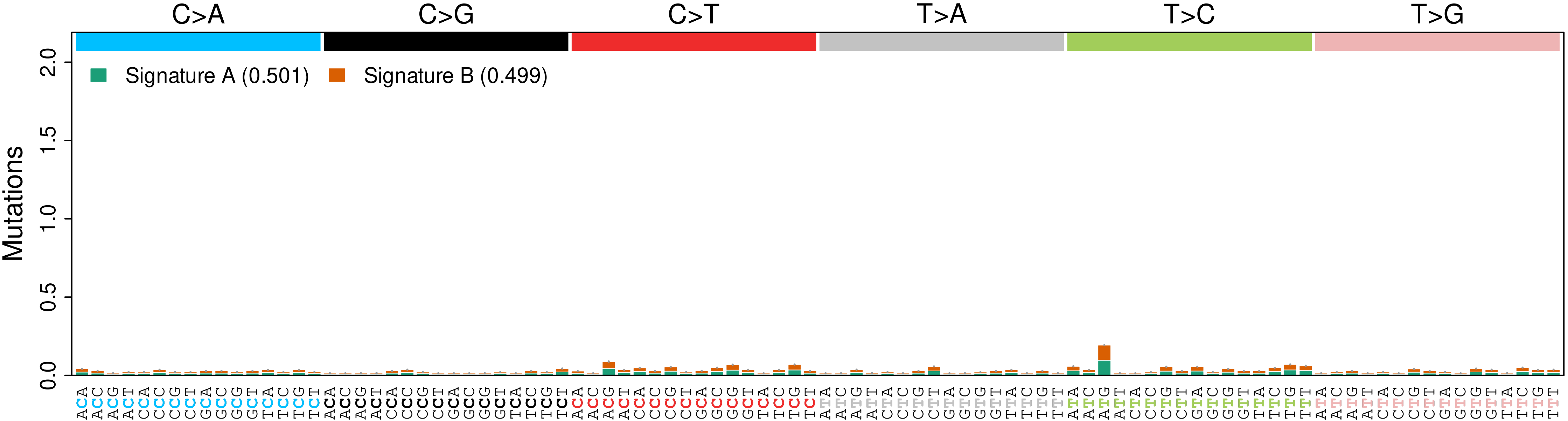
Reconstructed spectrum (cosine similarity = 0.372)



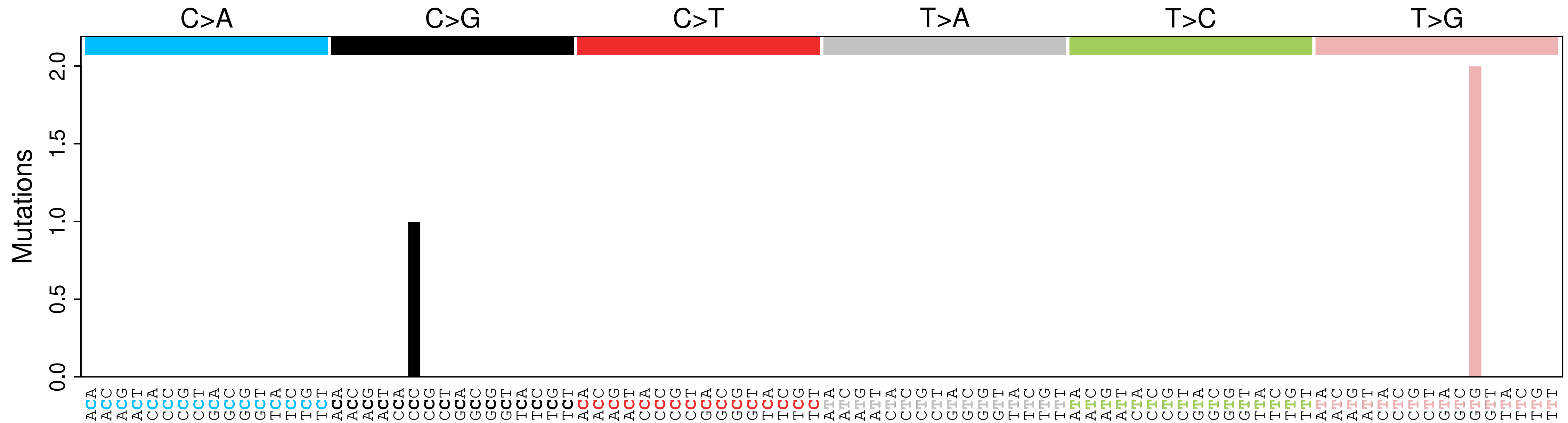
CATD0488a (3 mutations)



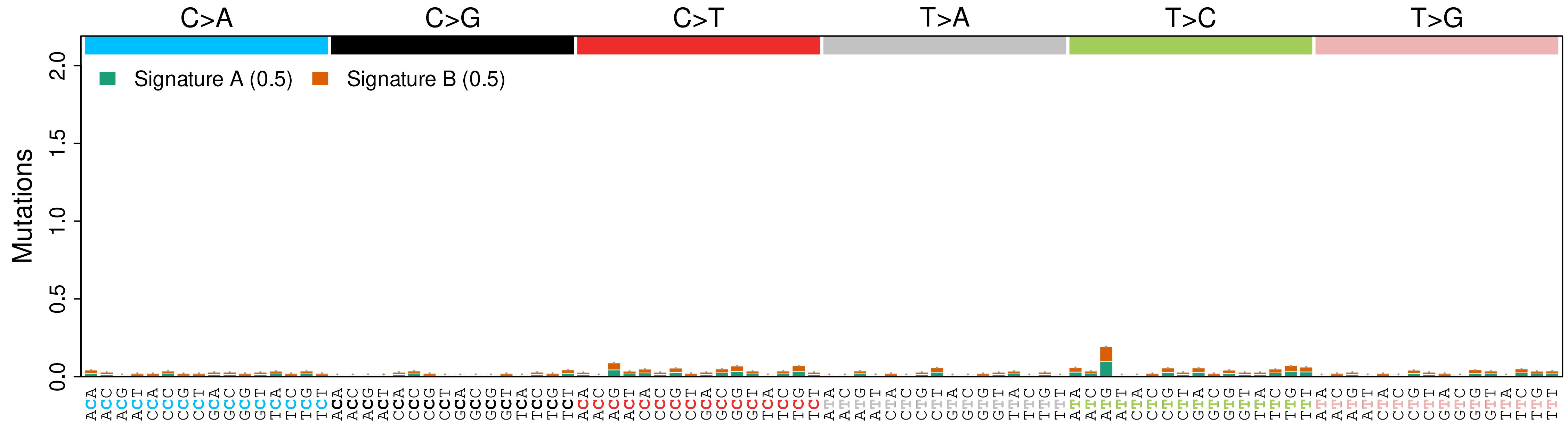
Reconstructed spectrum (cosine similarity = 0.482)



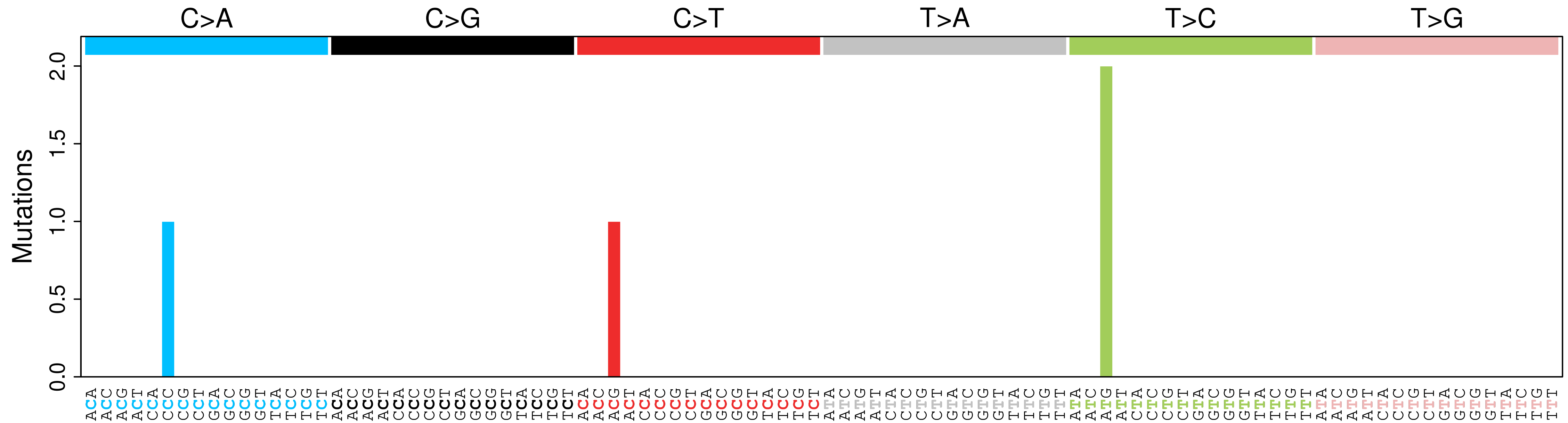
CATD0697a (3 mutations)



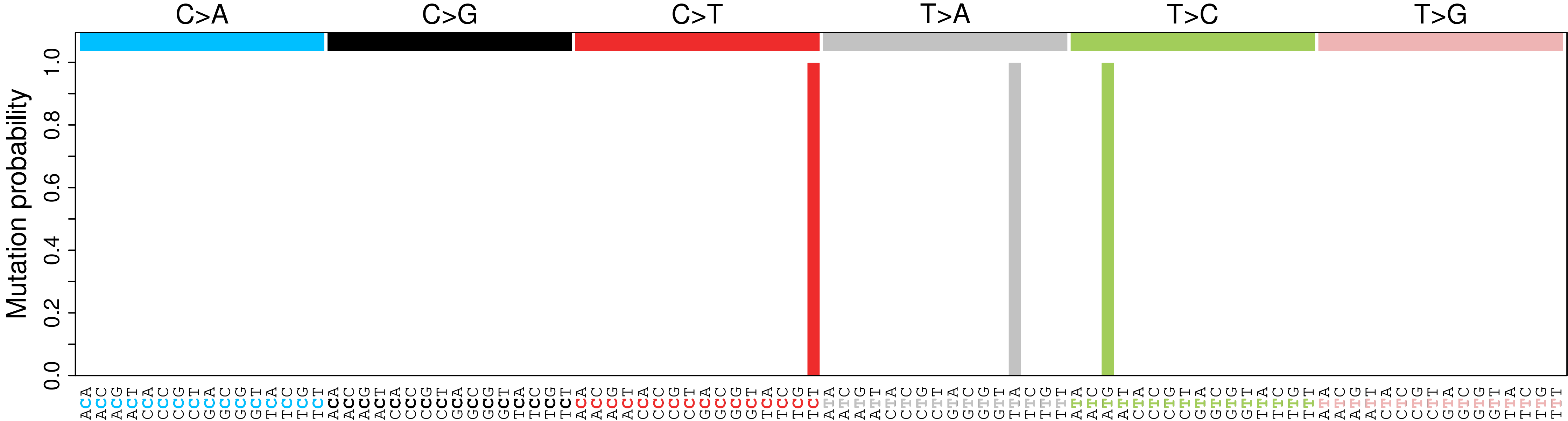
Reconstructed spectrum (cosine similarity = 0.147)



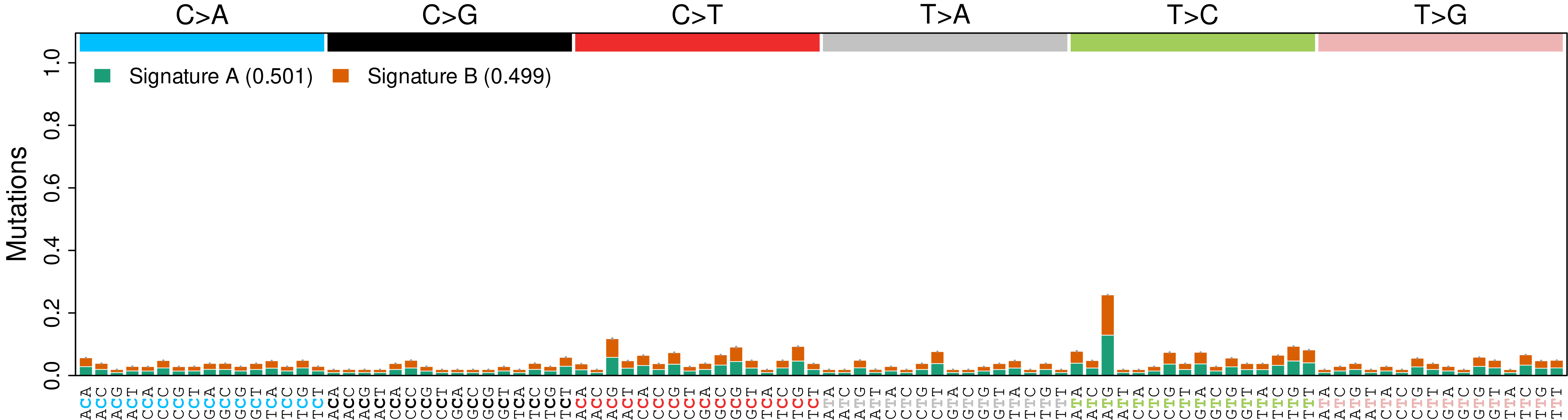
CATD0485a (4 mutations)



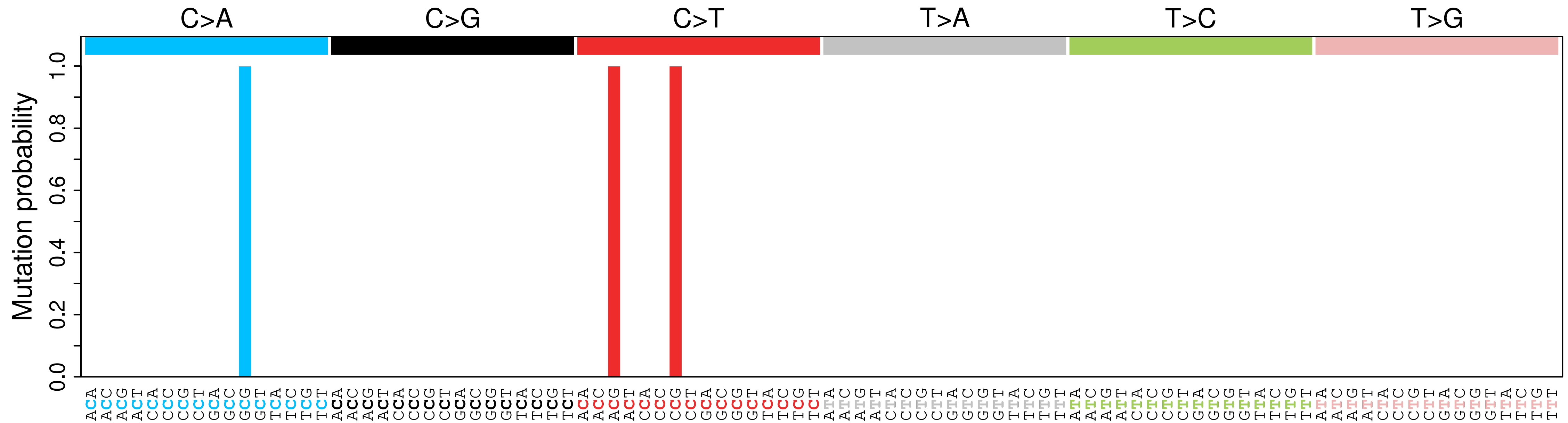
CATD0486a



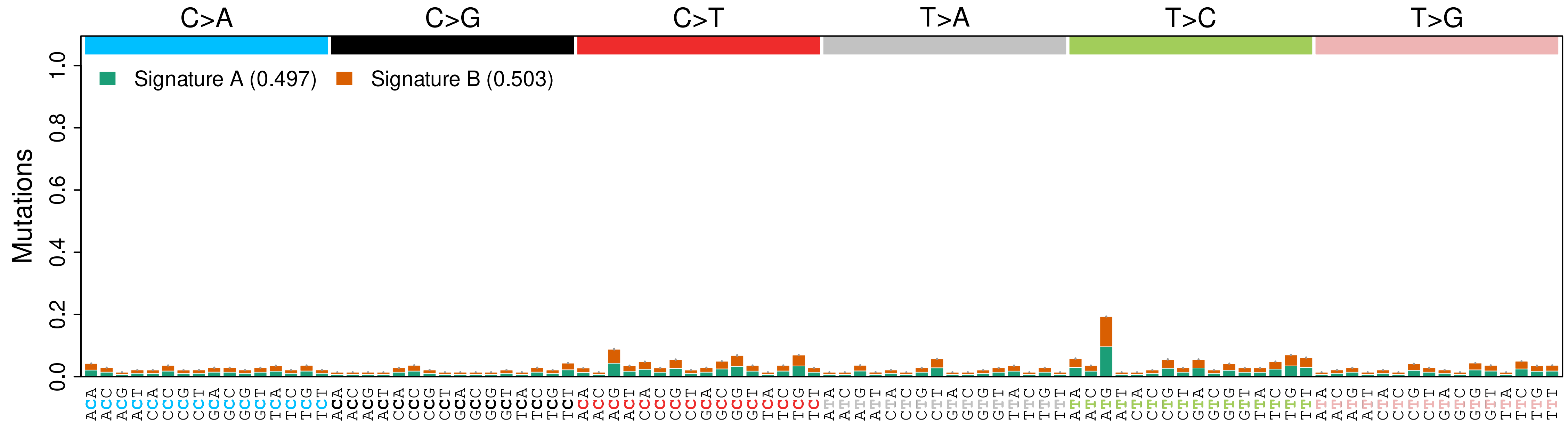
Reconstructed spectrum (cosine similarity = 0.393)



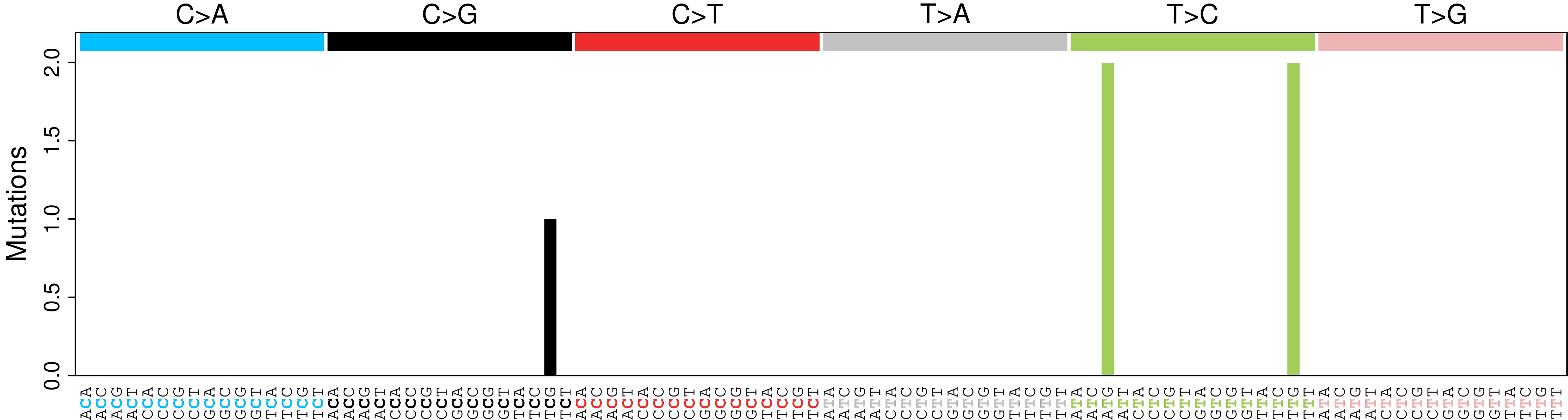
CATD0487a



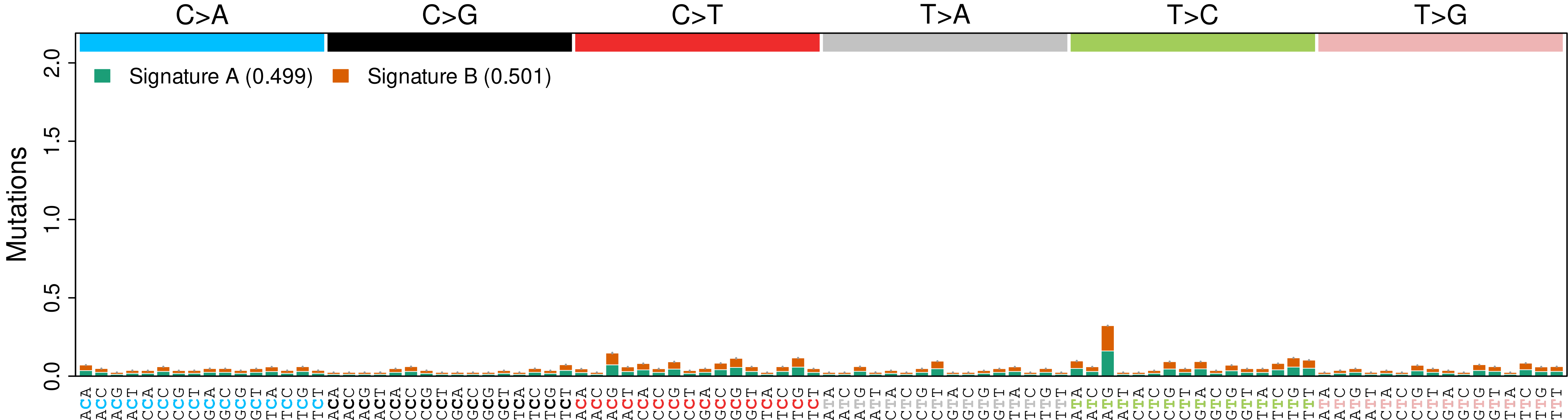
Reconstructed spectrum (cosine similarity = 0.251)



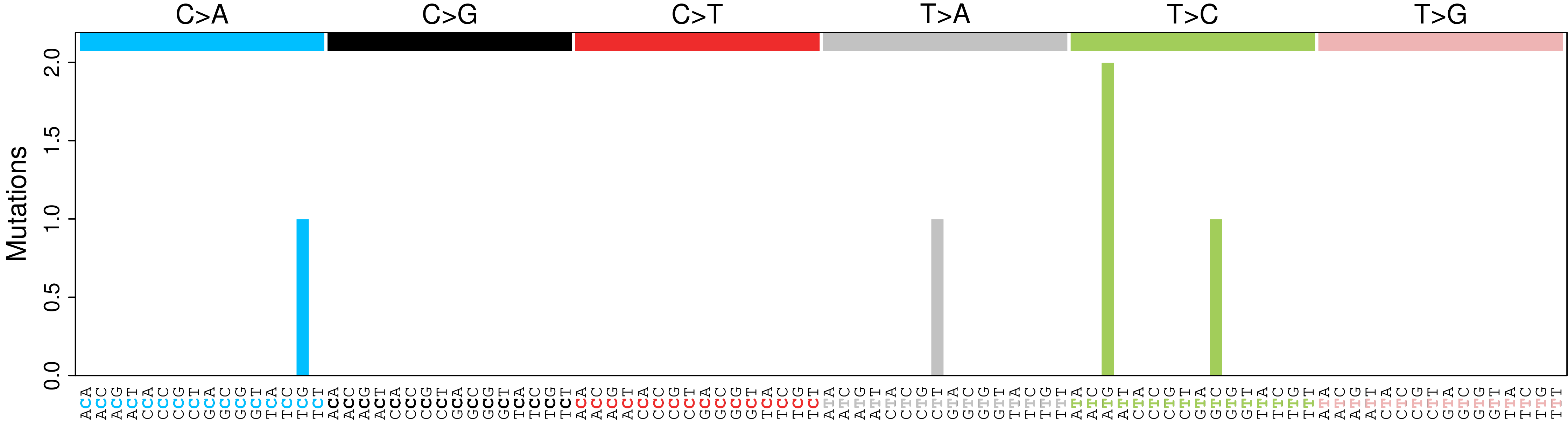
CATD0744a (5 mutations)



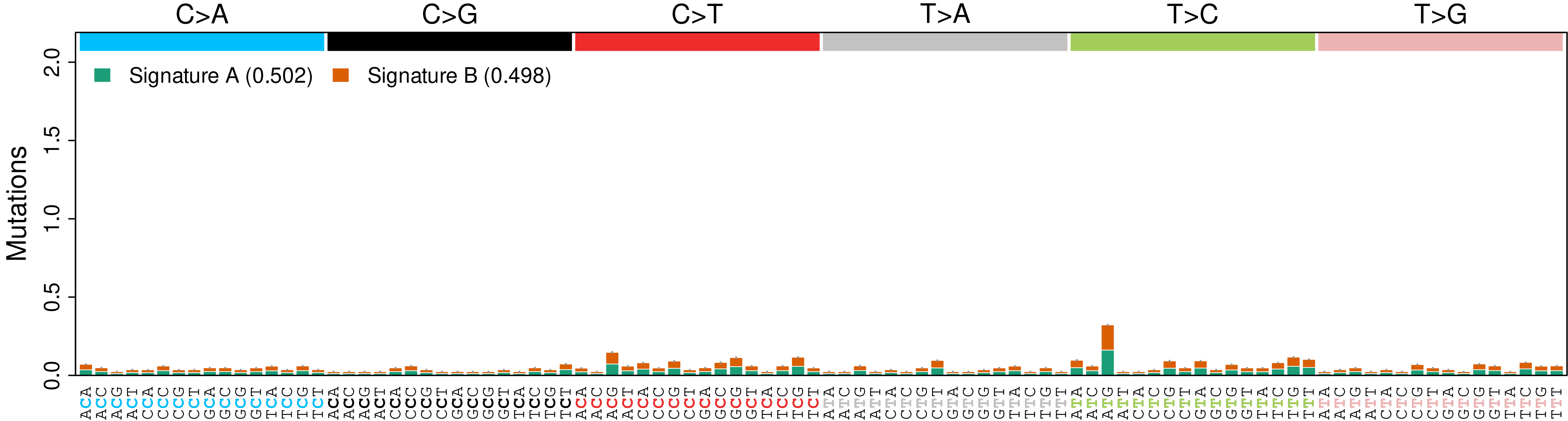
Reconstructed spectrum (cosine similarity = 0.482)



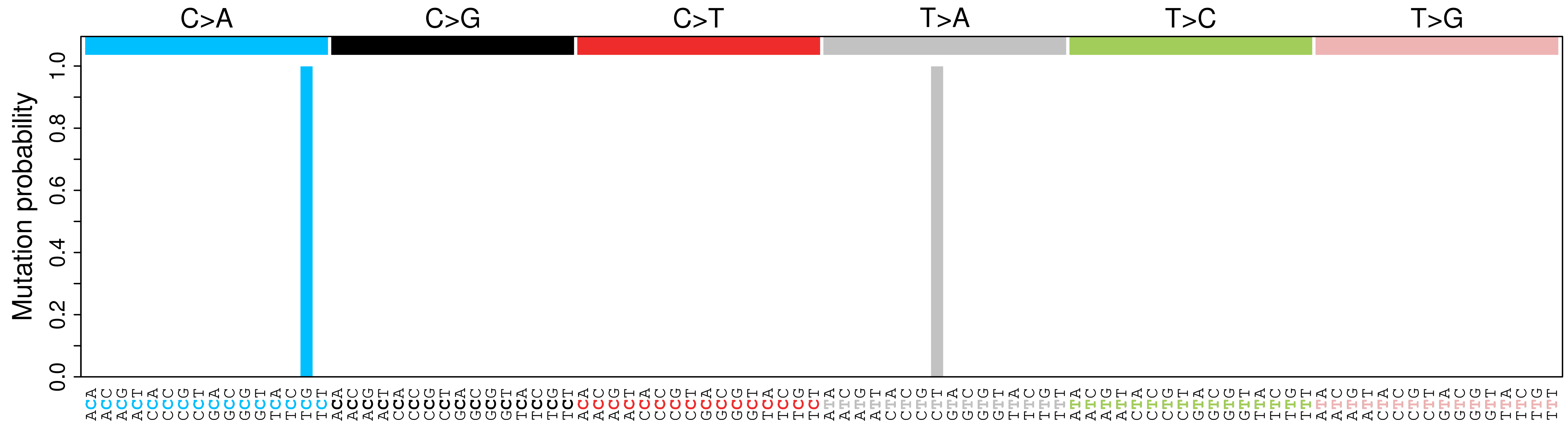
CATD0471a (5 mutations)



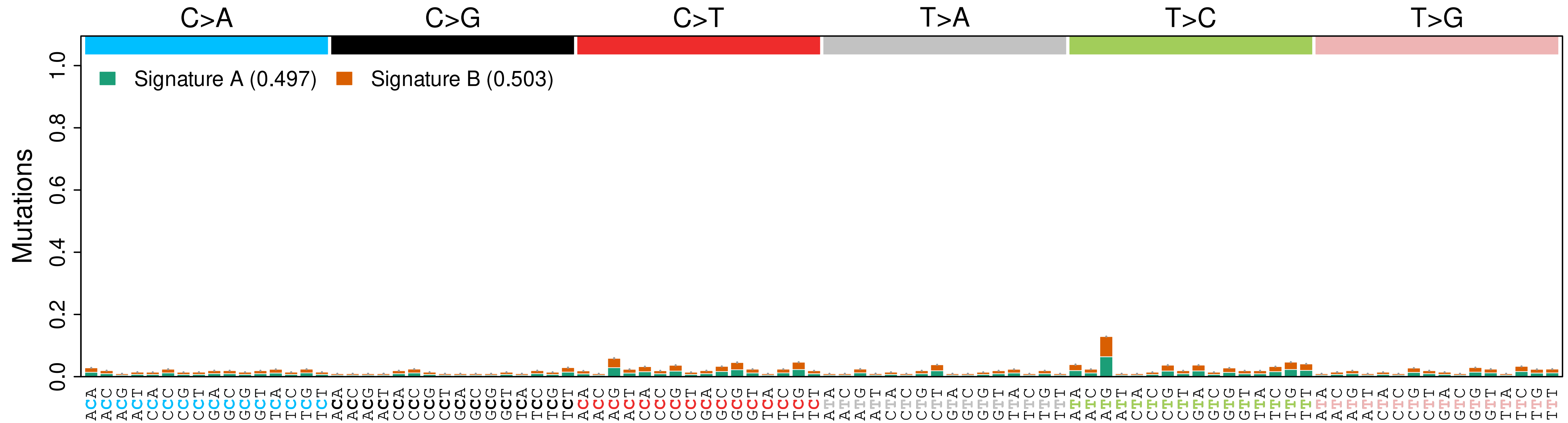
Reconstructed spectrum (cosine similarity = 0.501)



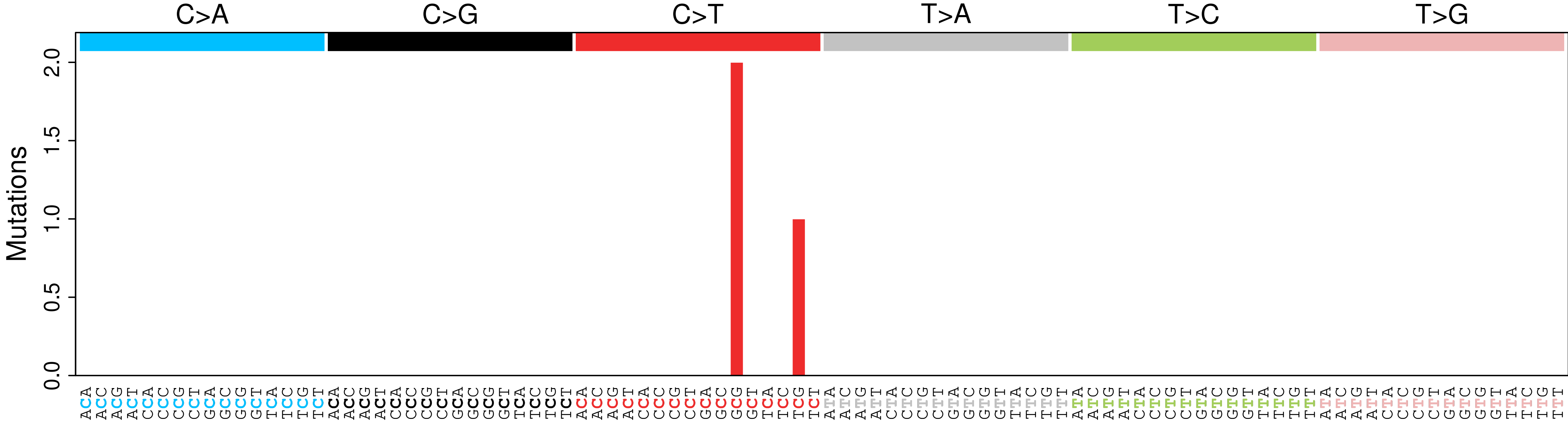
CATD0741a



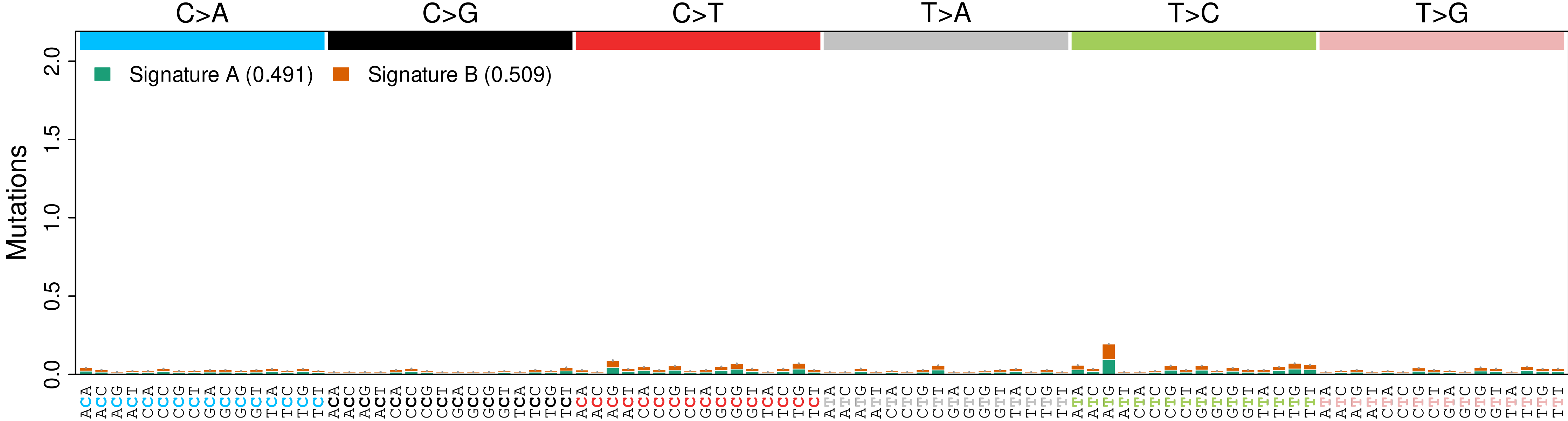
Reconstructed spectrum (cosine similarity = 0.175)



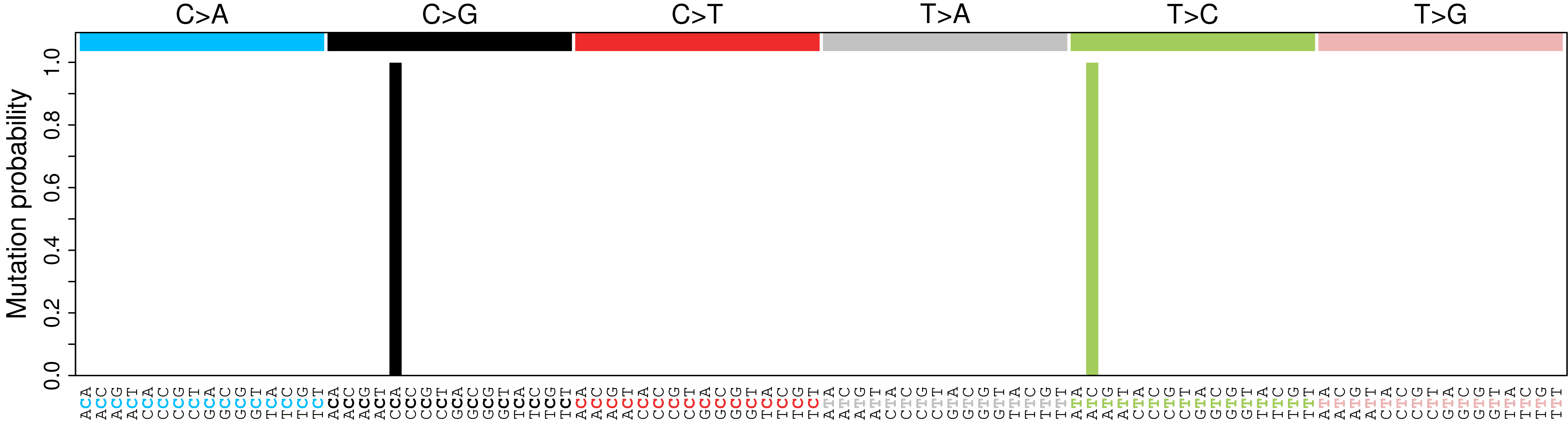
CATD0739a (3 mutations)



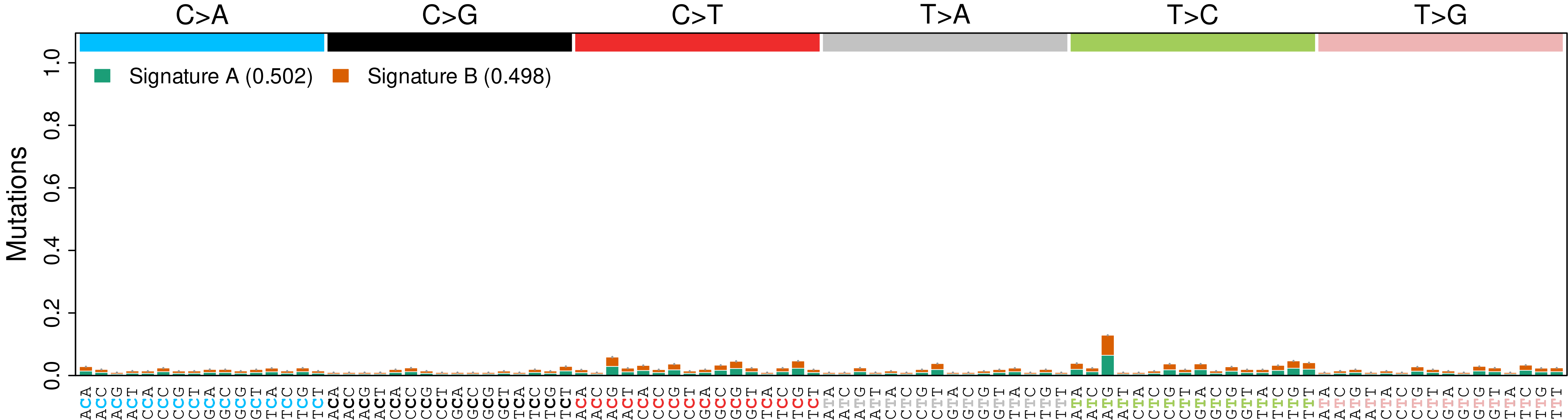
Reconstructed spectrum (cosine similarity = 0.243)



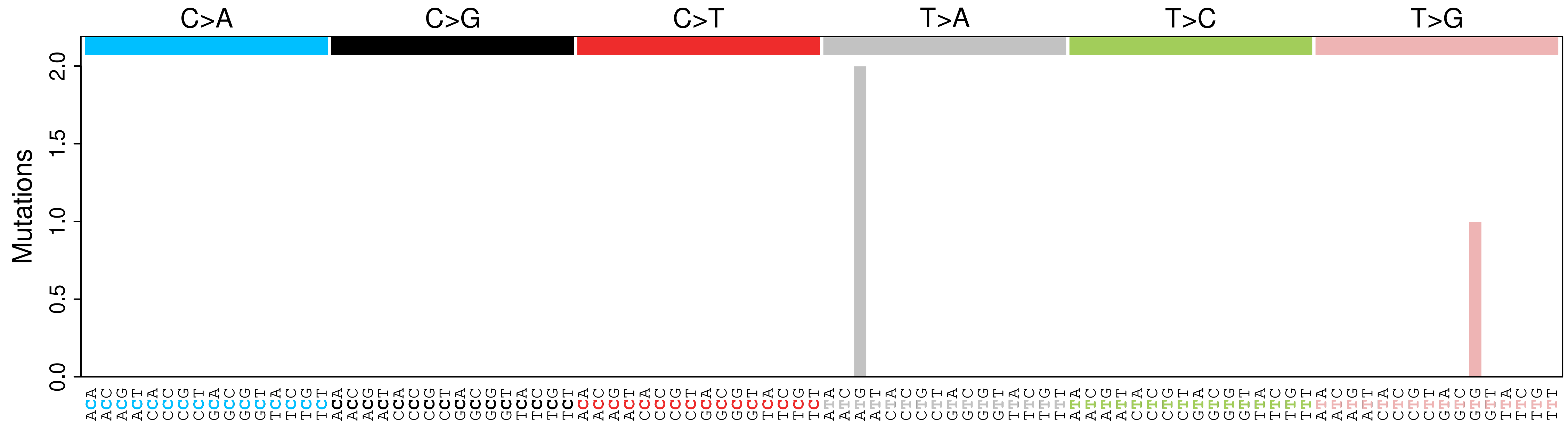
CATD0738a



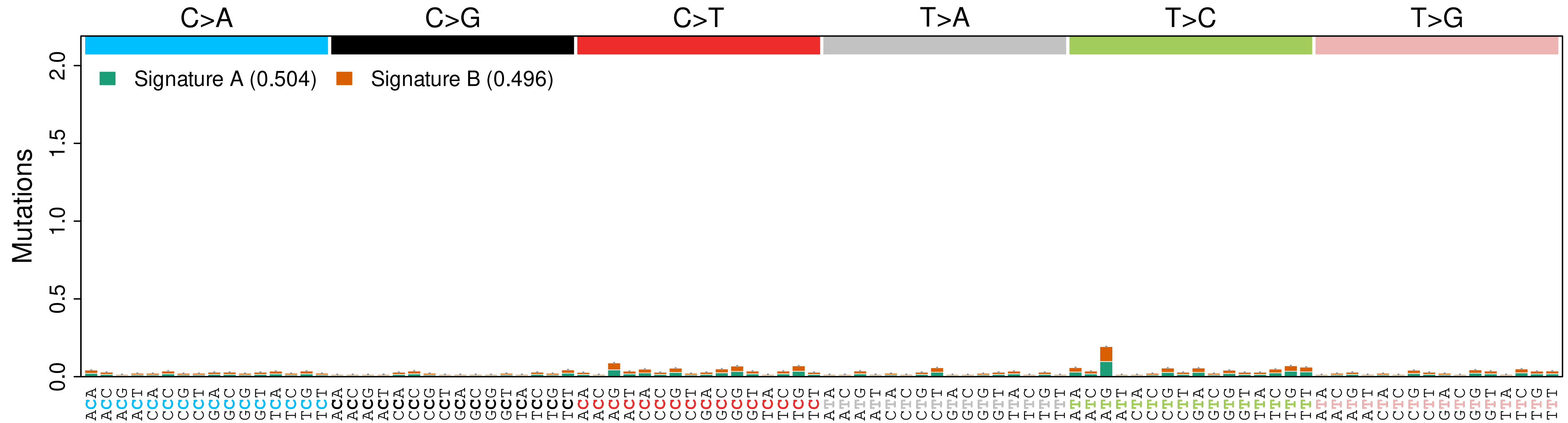
Reconstructed spectrum (cosine similarity = 0.121)

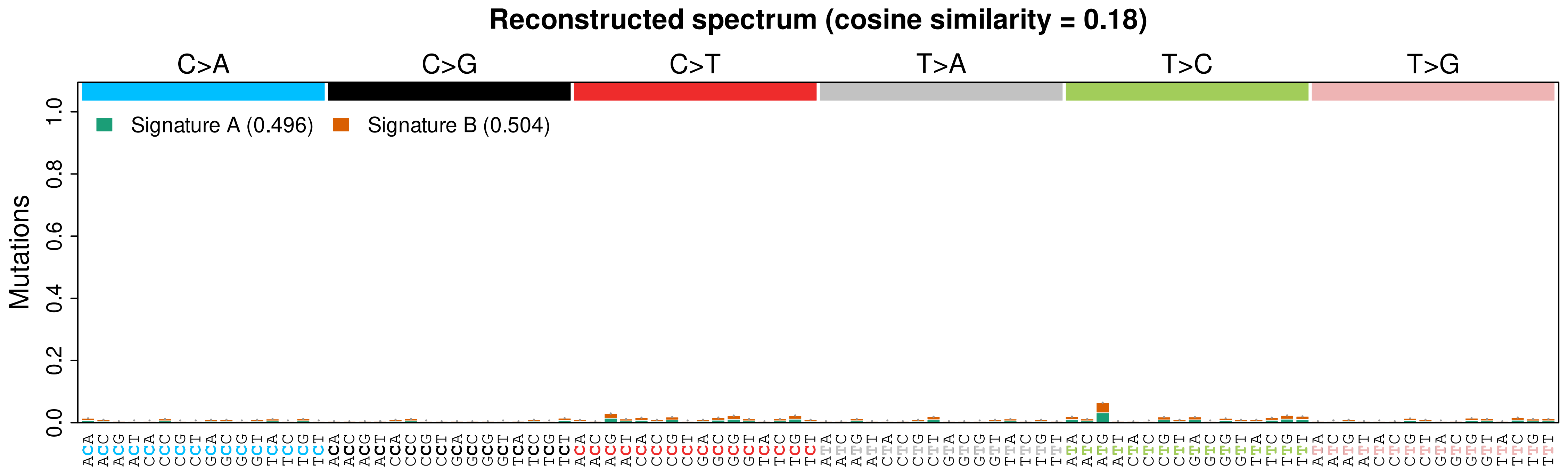
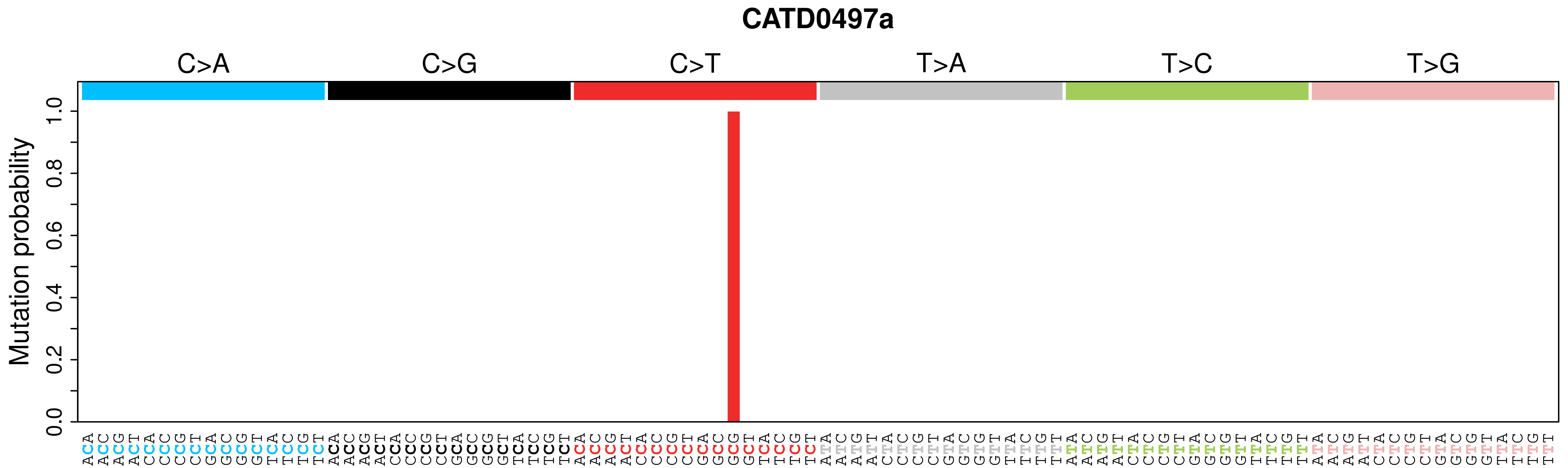


CATD0692a (3 mutations)

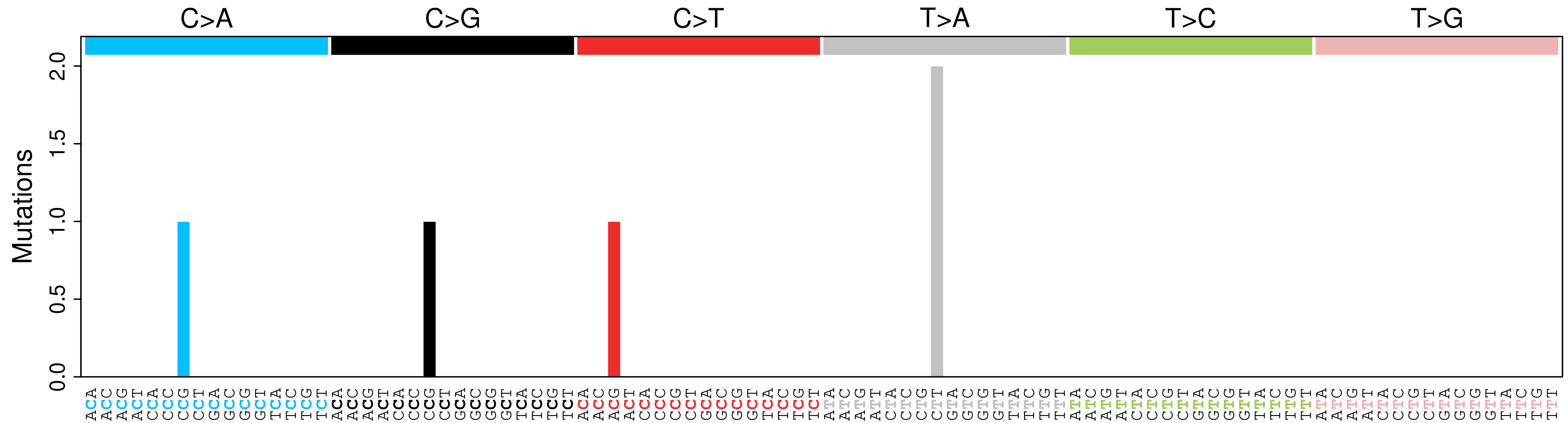


Reconstructed spectrum (cosine similarity = 0.138)

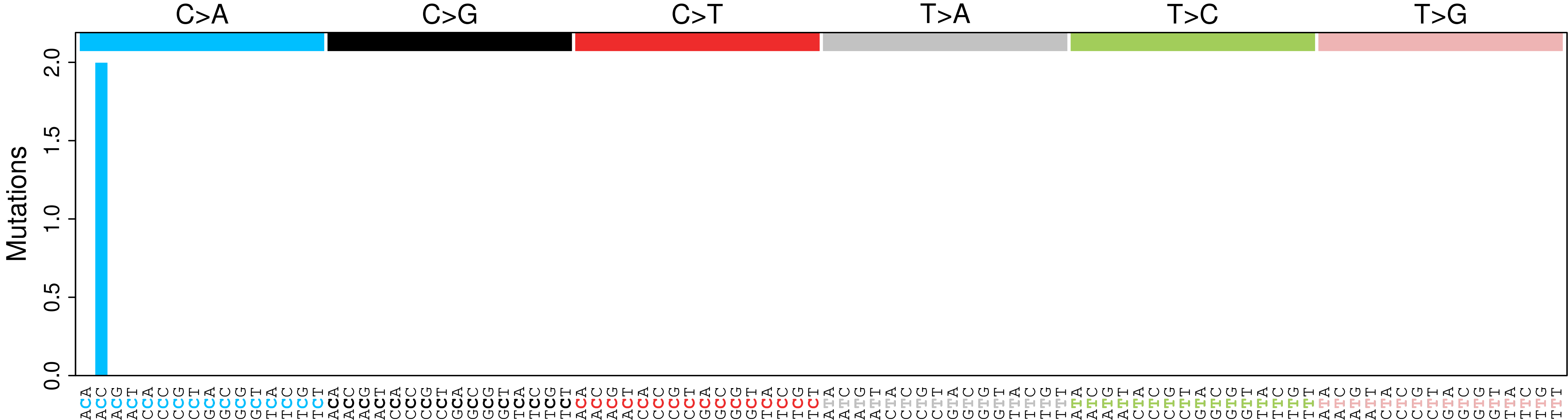




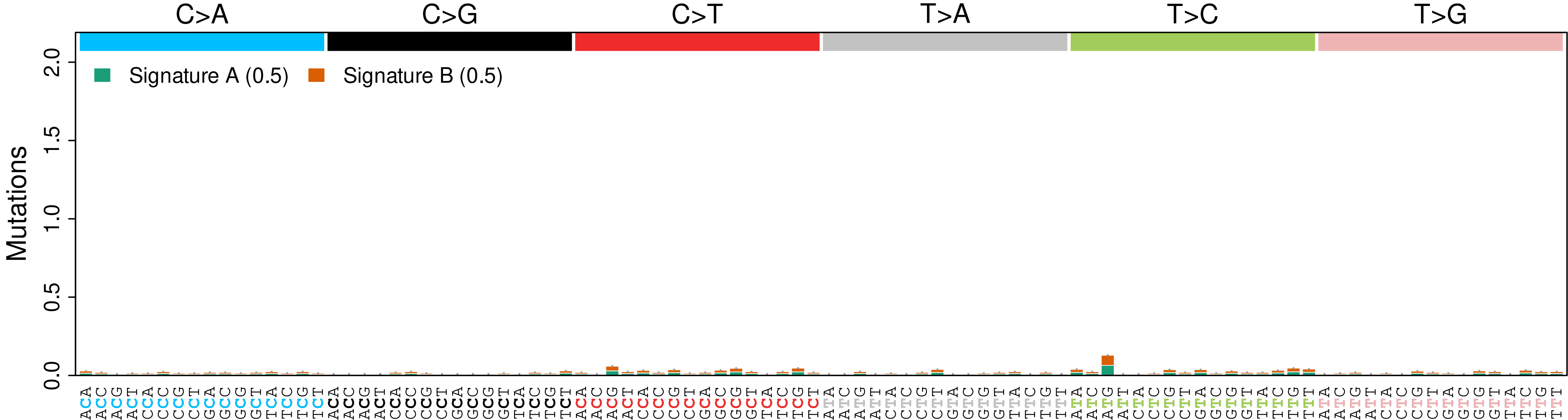
CATD0498a (5 mutations)



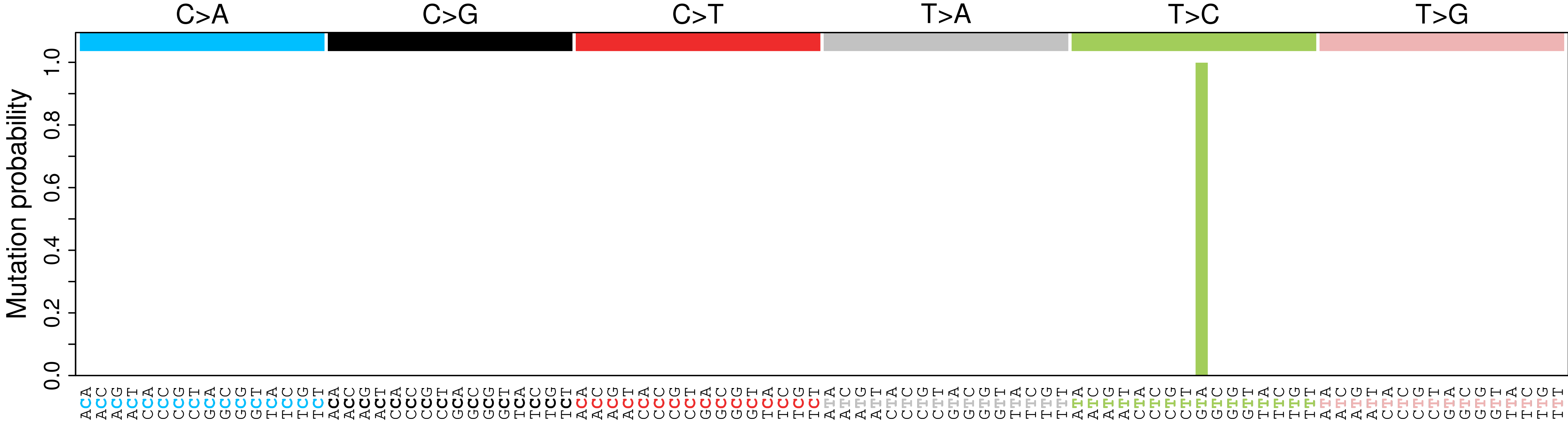
CATD0699a (2 mutations)



Reconstructed spectrum (cosine similarity = 0.077)



CATD0695a



Reconstructed spectrum (cosine similarity = 0.147)

