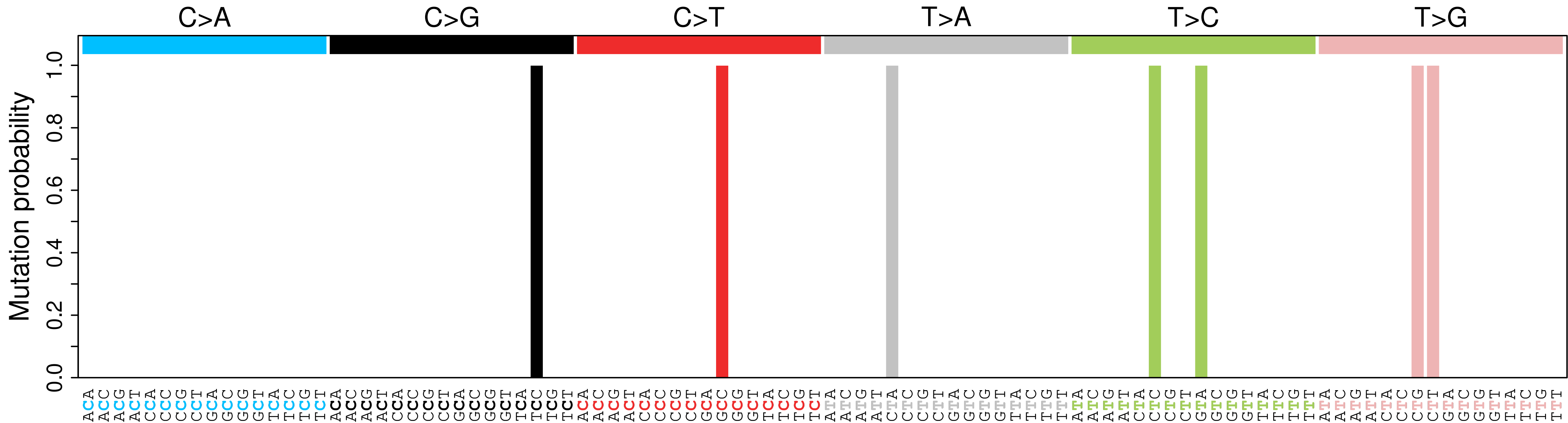
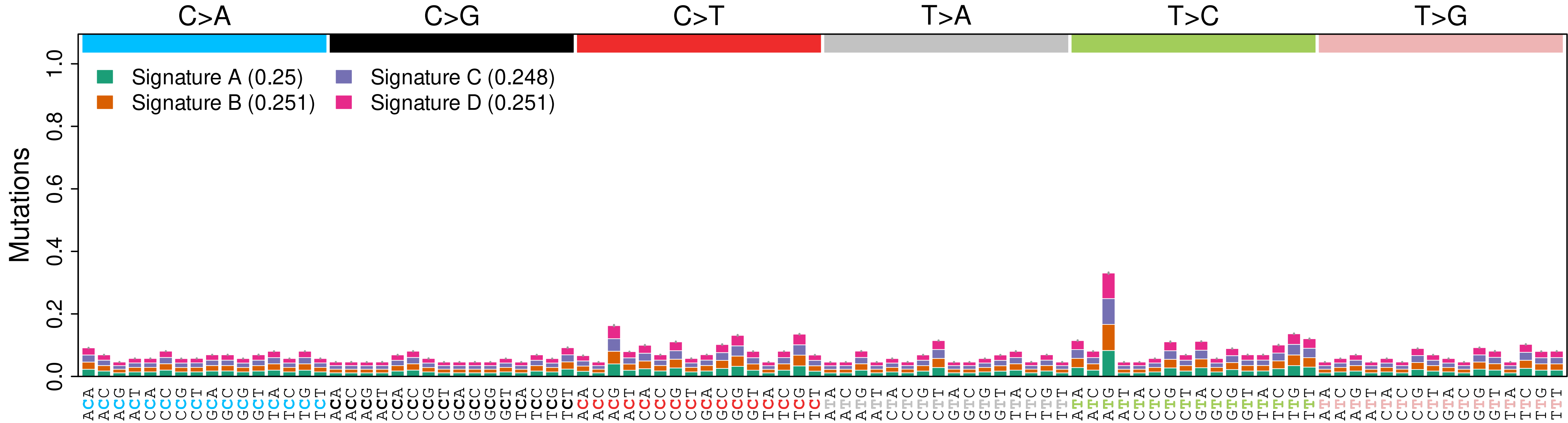


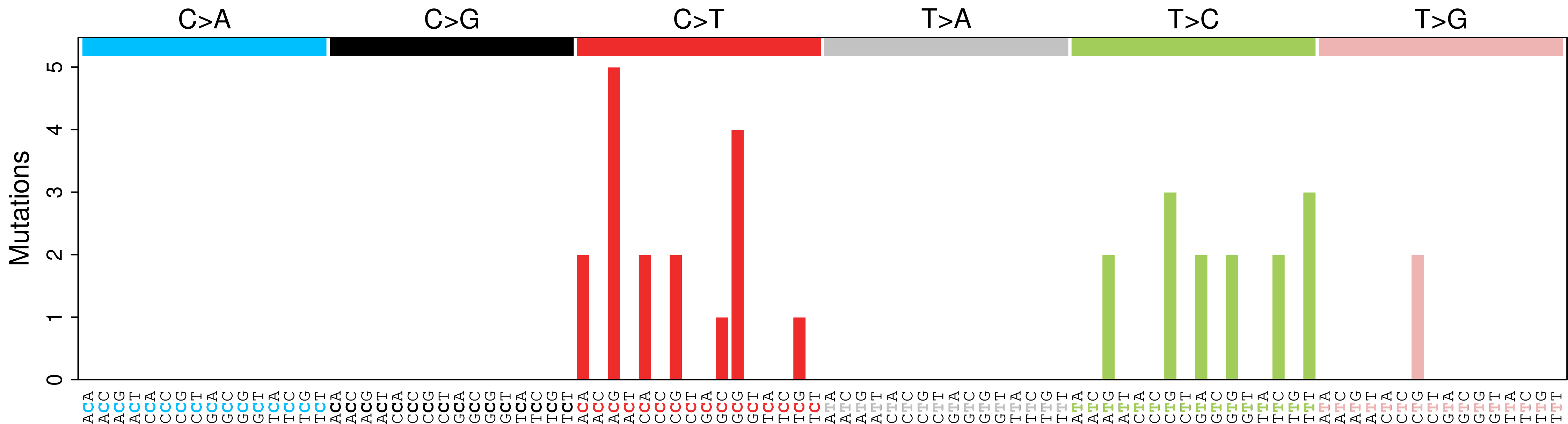
CATD0507a



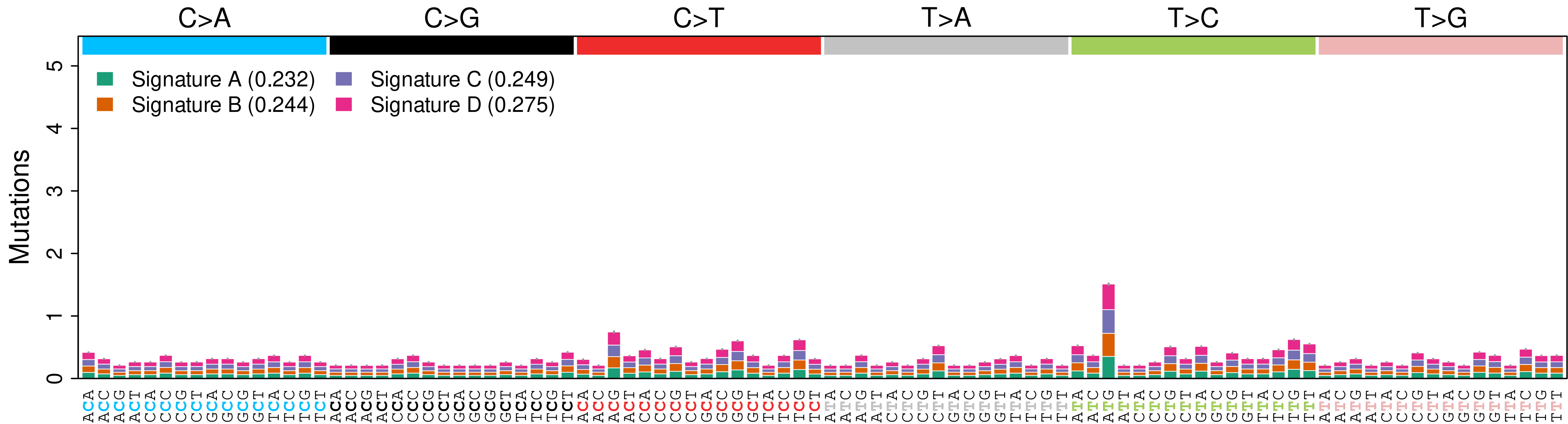
Reconstructed spectrum (cosine similarity = 0.264)



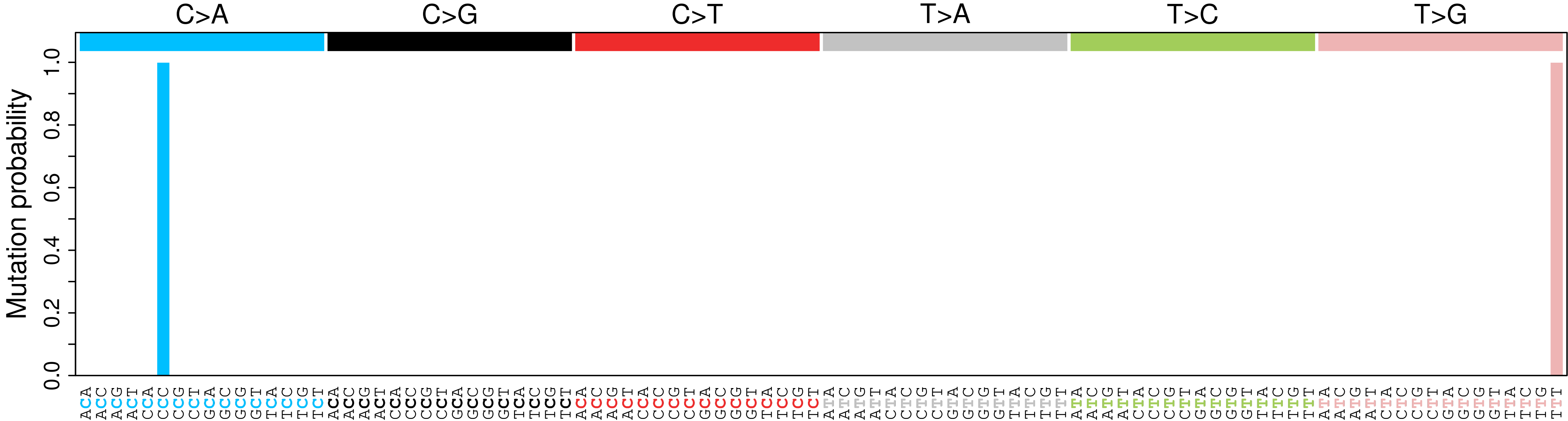
CATD0500a (33 mutations)



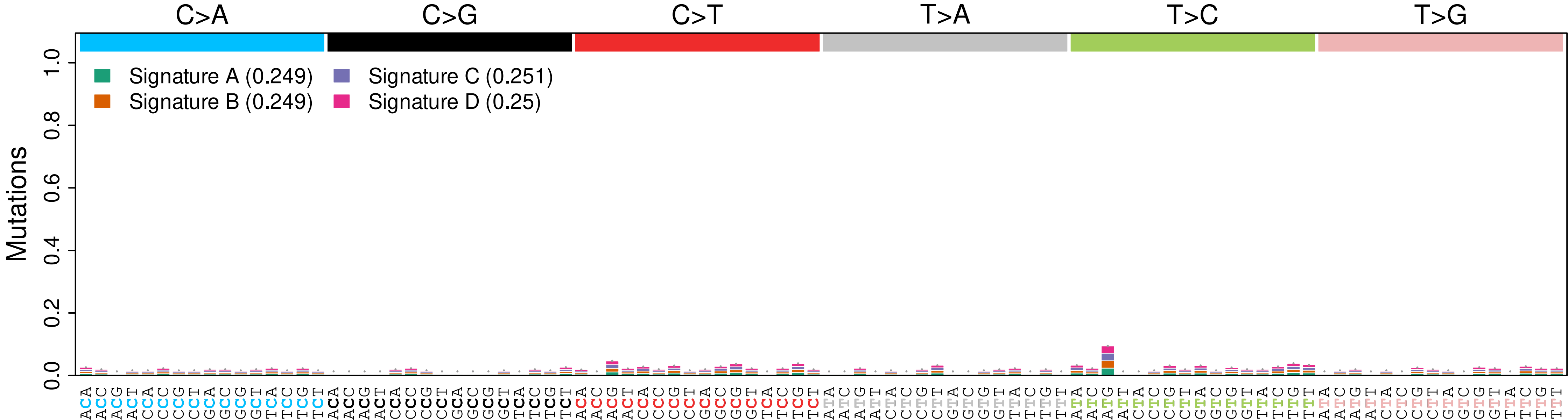
Reconstructed spectrum (cosine similarity = 0.555)



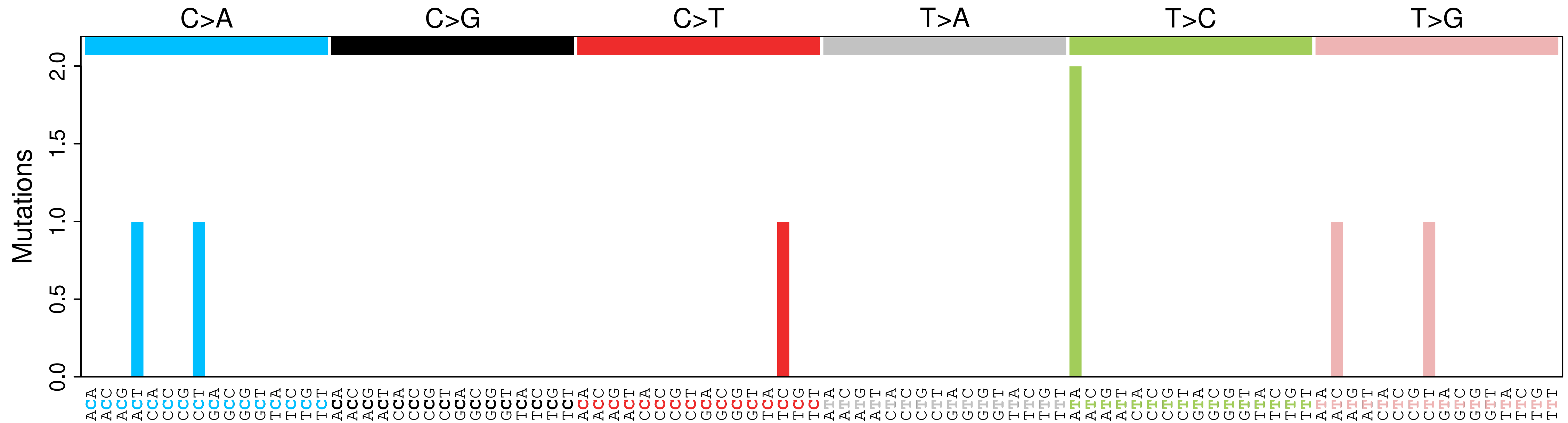
CATD0467a



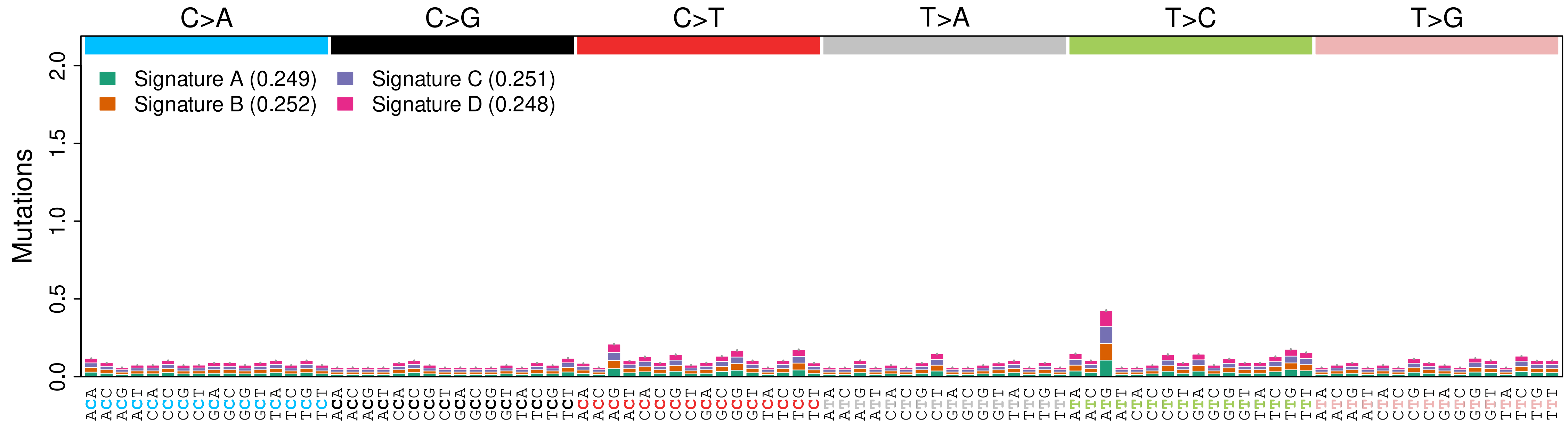
Reconstructed spectrum (cosine similarity = 0.143)



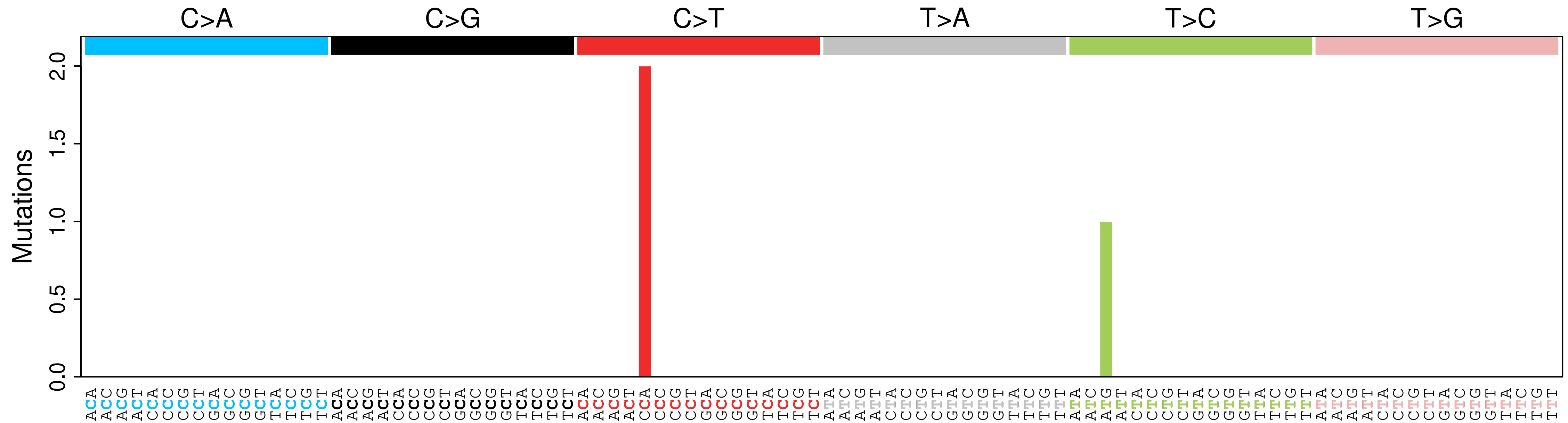
CATD0698a (7 mutations)



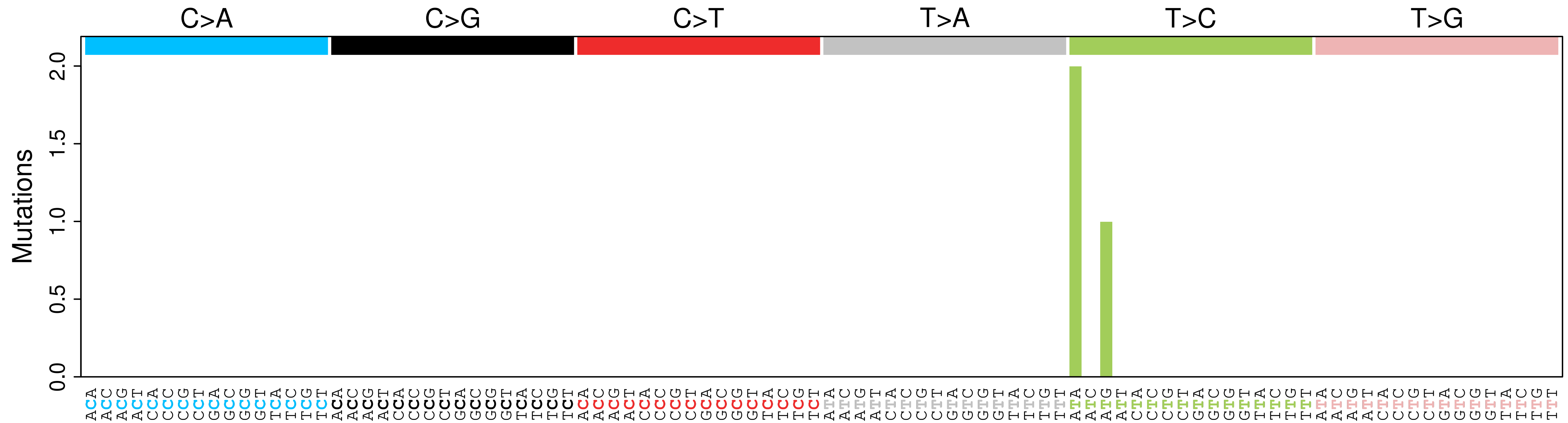
Reconstructed spectrum (cosine similarity = 0.23)



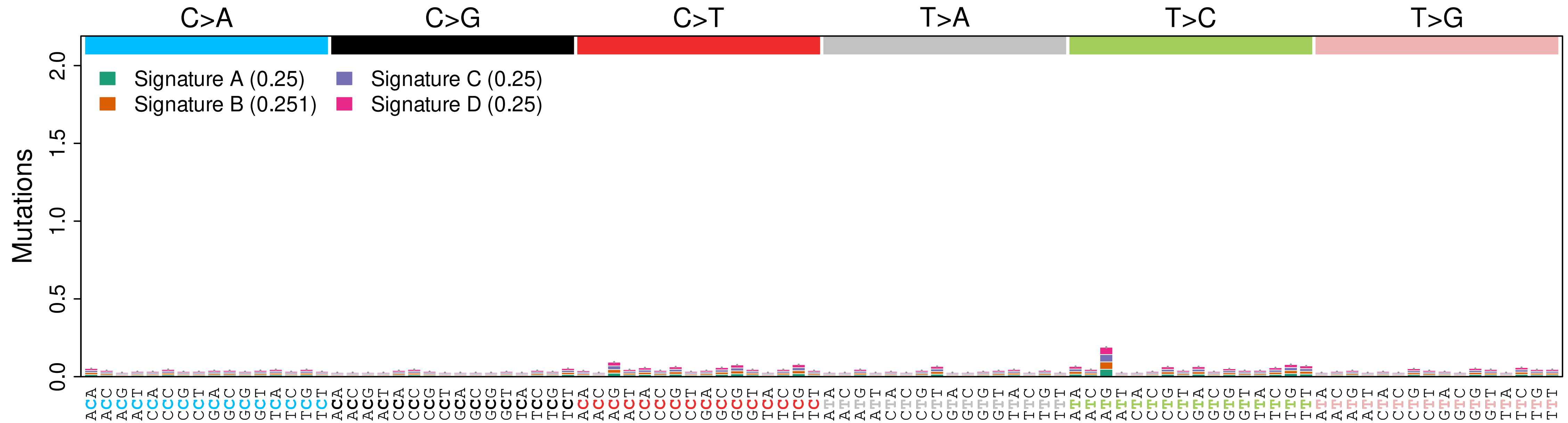
CATD0480a (3 mutations)



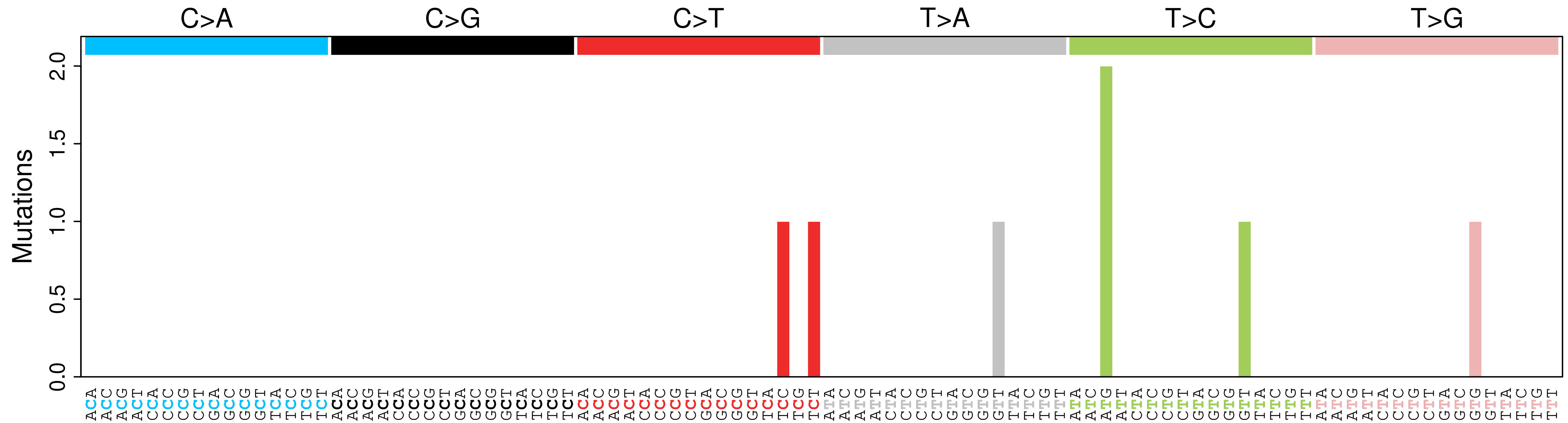
CATD0491a (3 mutations)



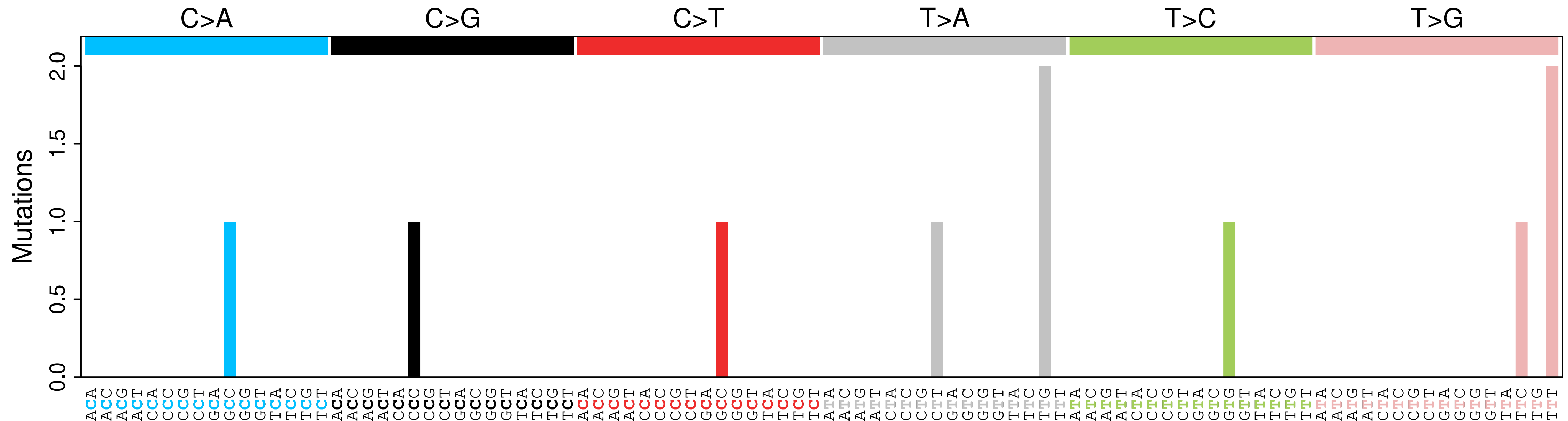
Reconstructed spectrum (cosine similarity = 0.314)



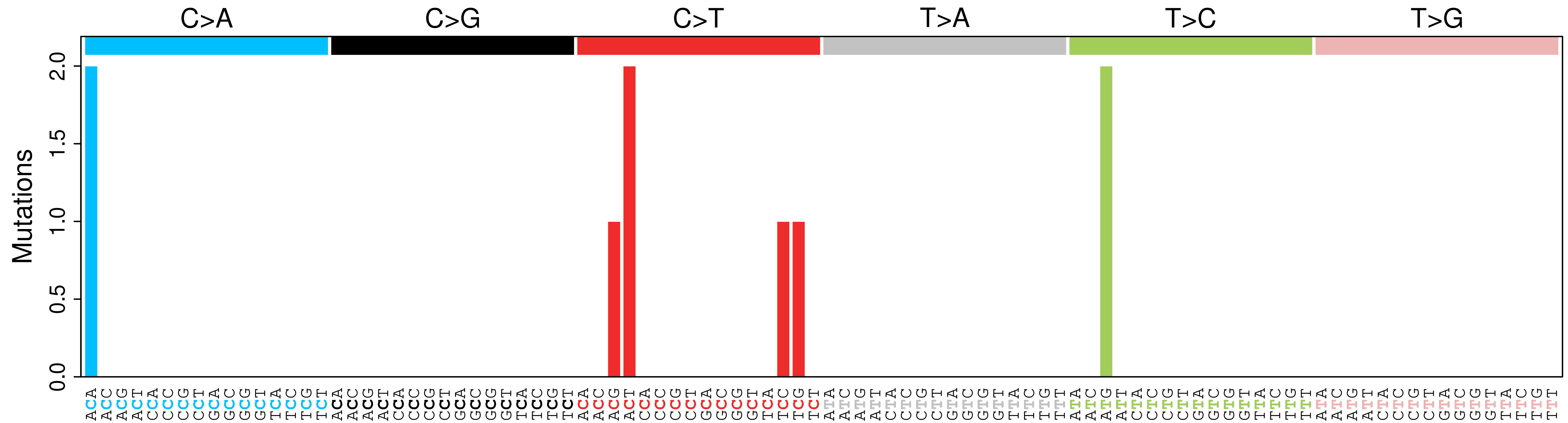
CATD0689a (7 mutations)



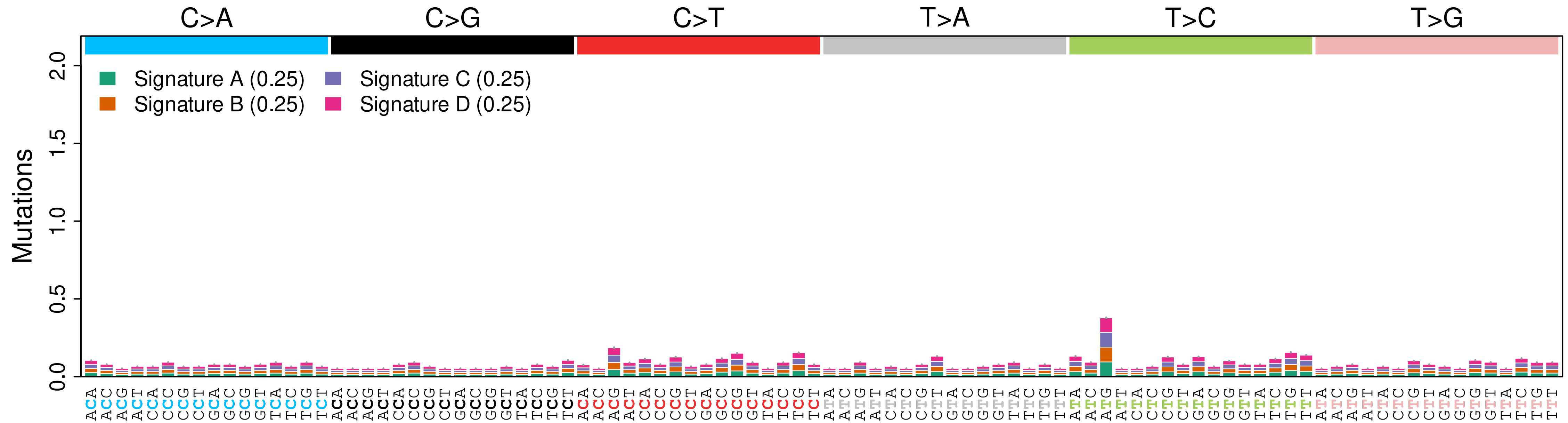
CATD0740a (10 mutations)



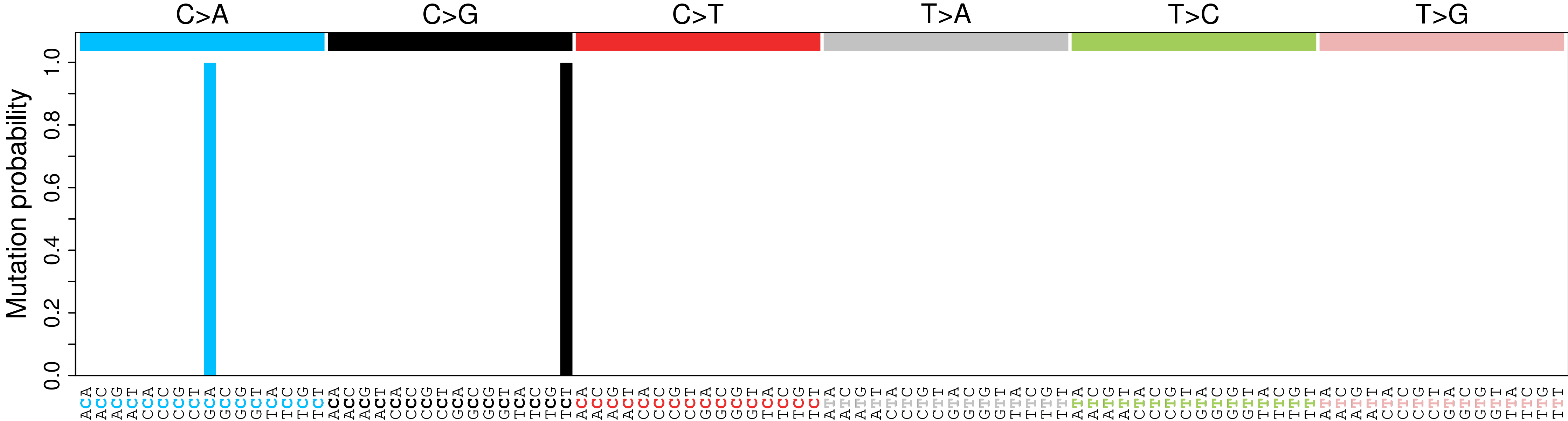
CATD0701a (9 mutations)



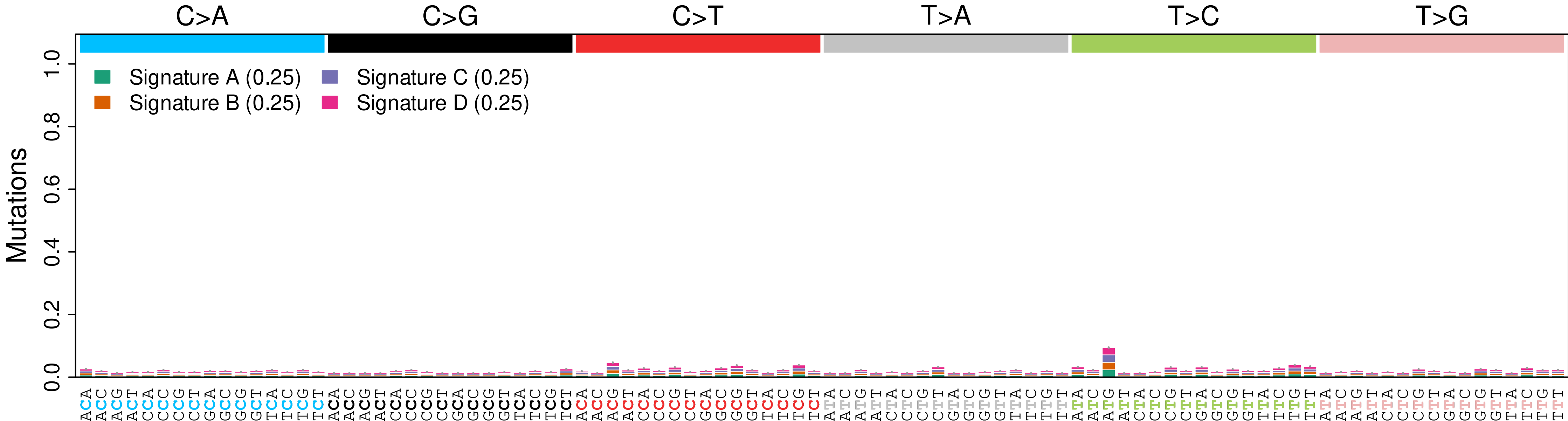
Reconstructed spectrum (cosine similarity = 0.447)



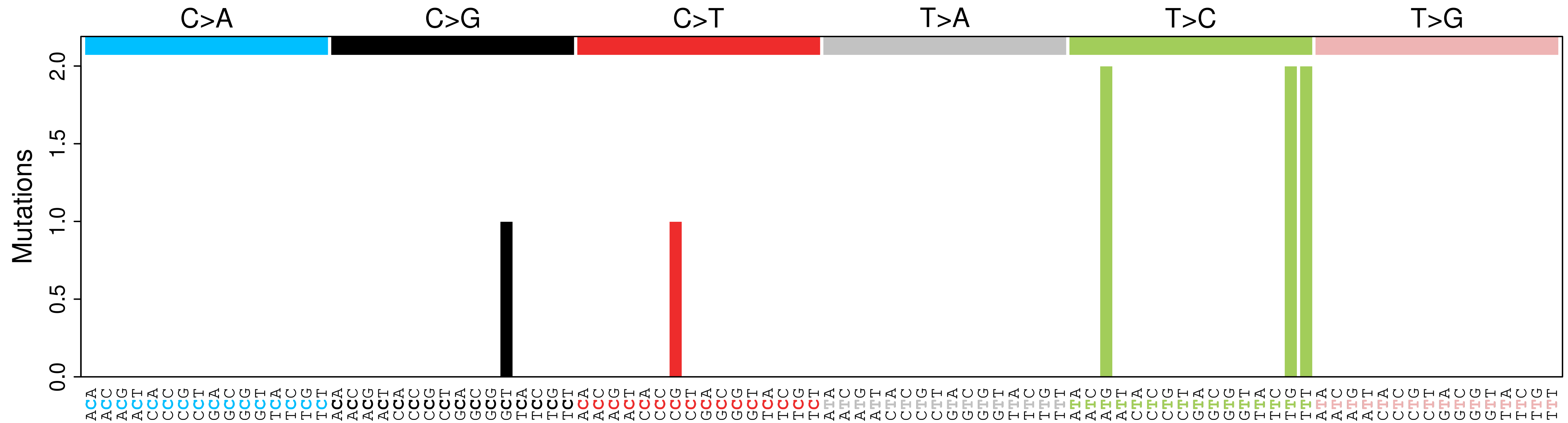
CATD0495a



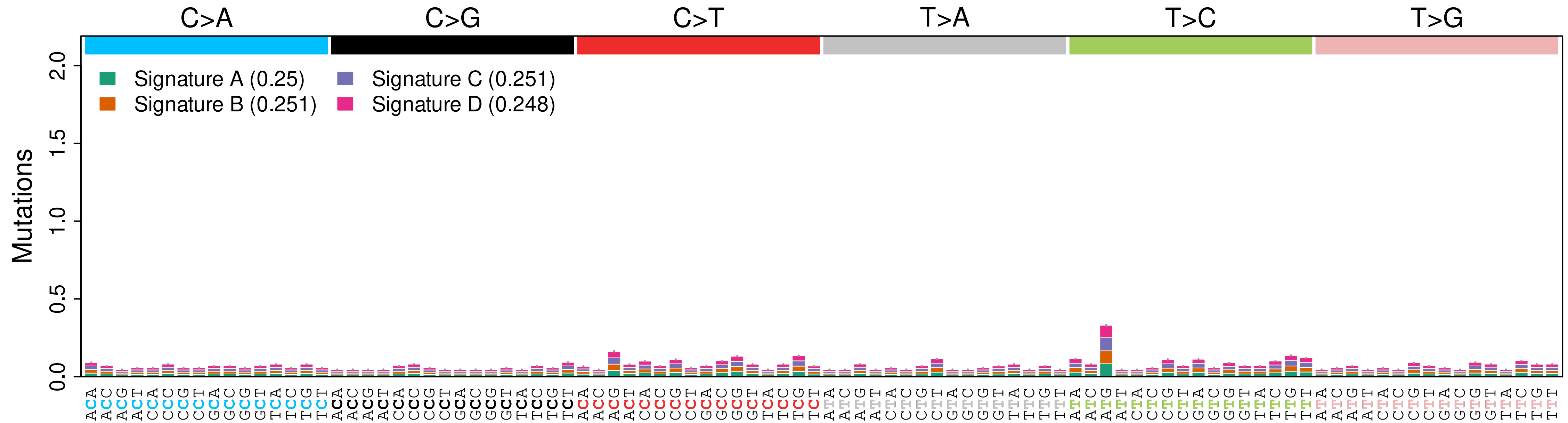
Reconstructed spectrum (cosine similarity = 0.143)



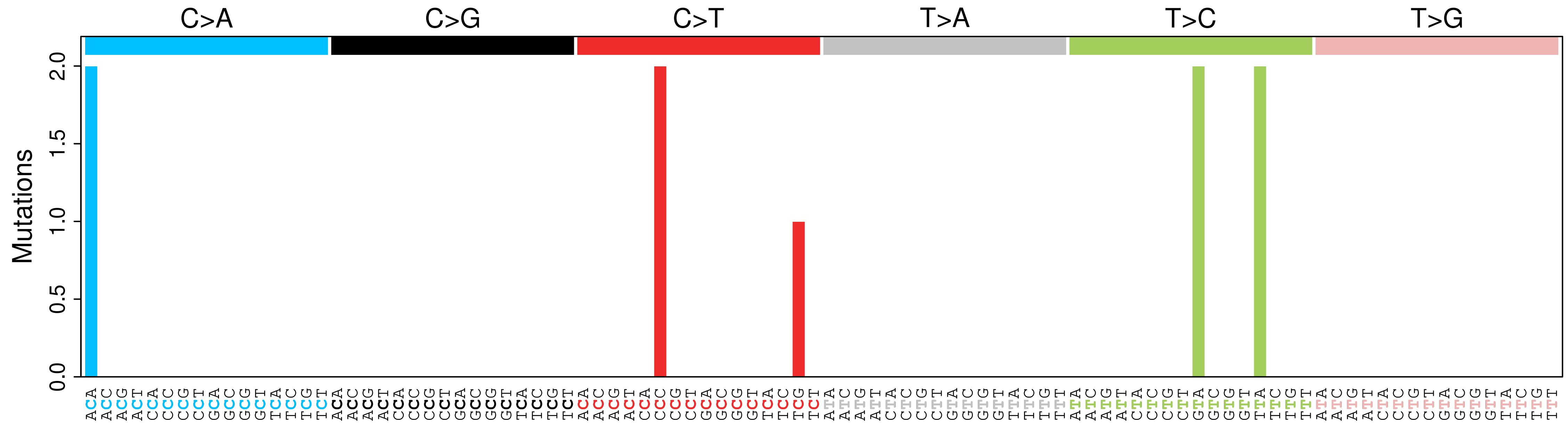
CATD0702a (8 mutations)



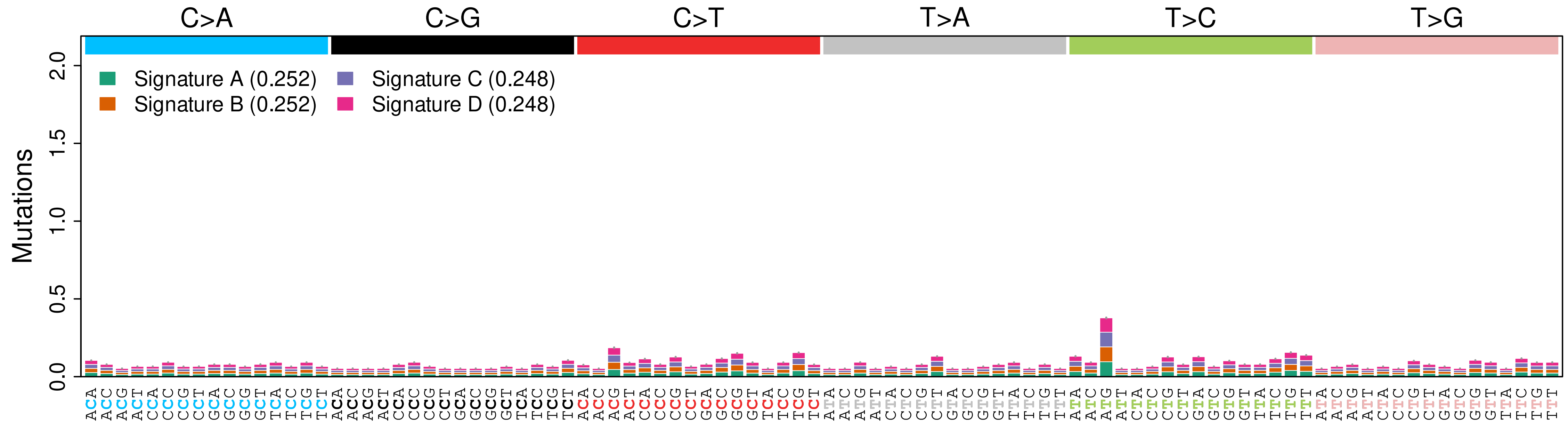
Reconstructed spectrum (cosine similarity = 0.45)



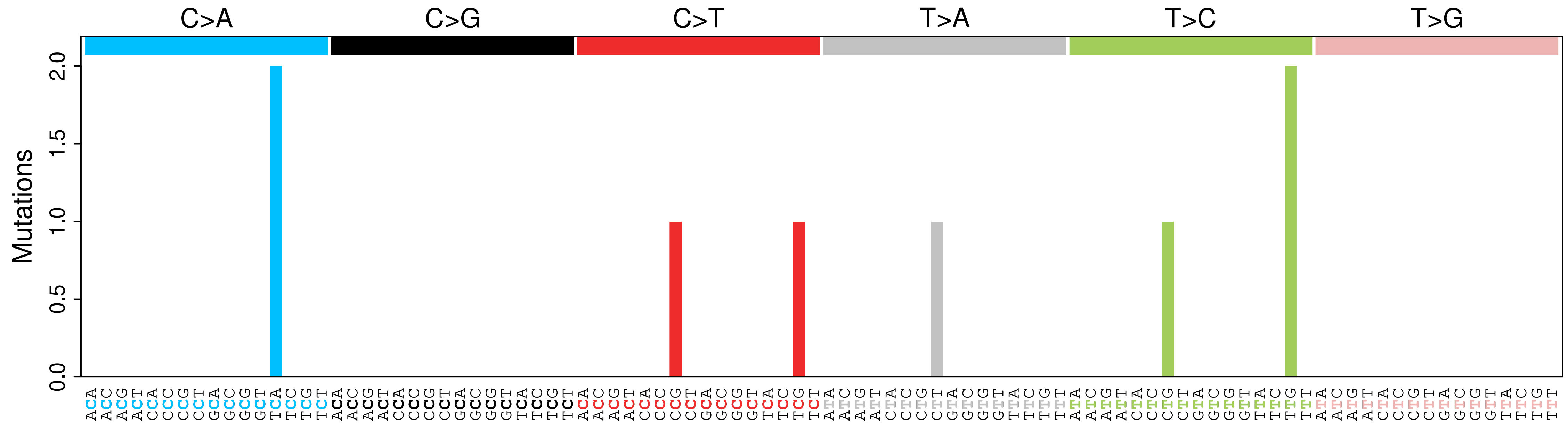
CATD0505a (9 mutations)



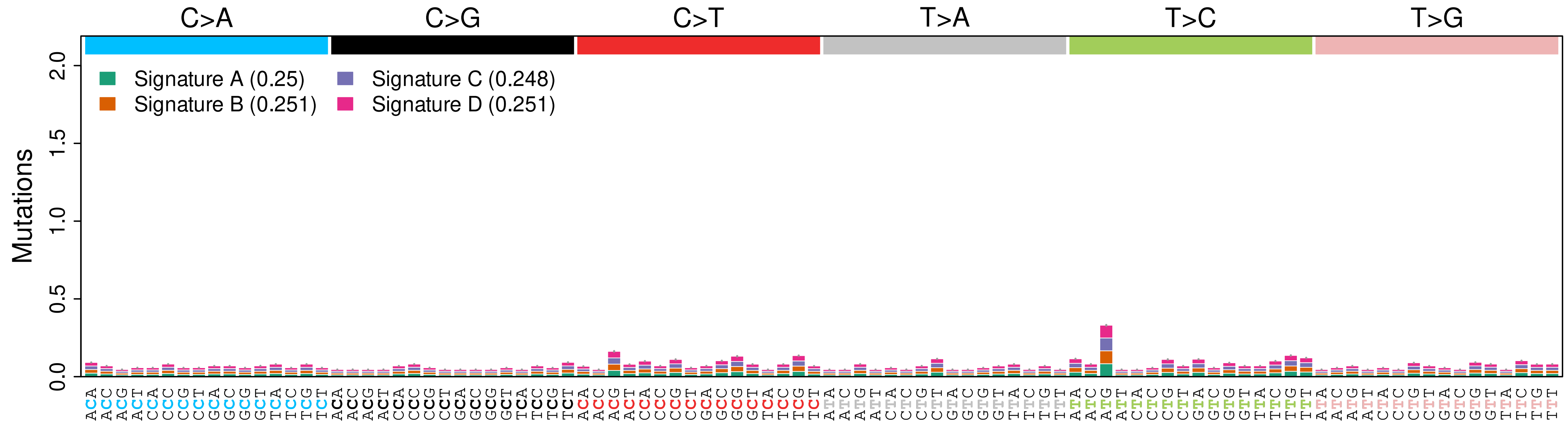
Reconstructed spectrum (cosine similarity = 0.249)



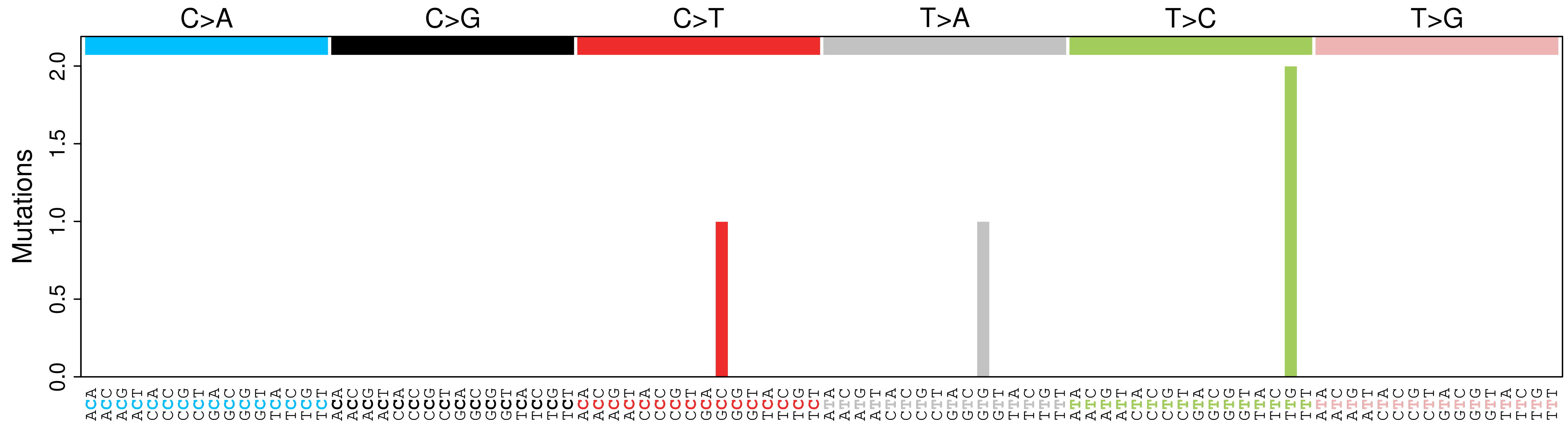
CATD0482a (8 mutations)



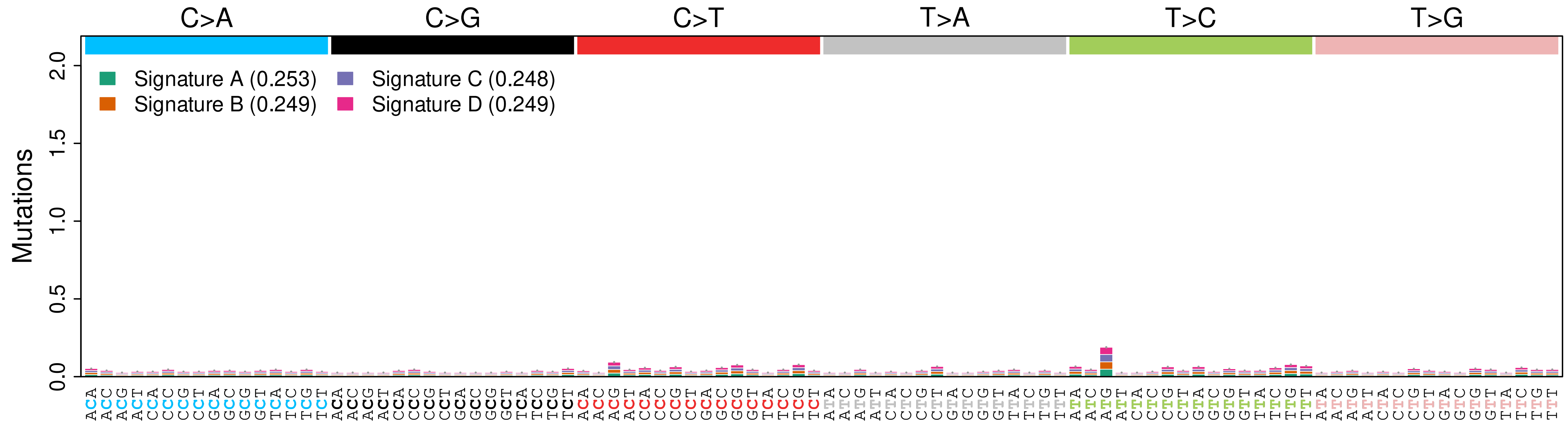
Reconstructed spectrum (cosine similarity = 0.327)



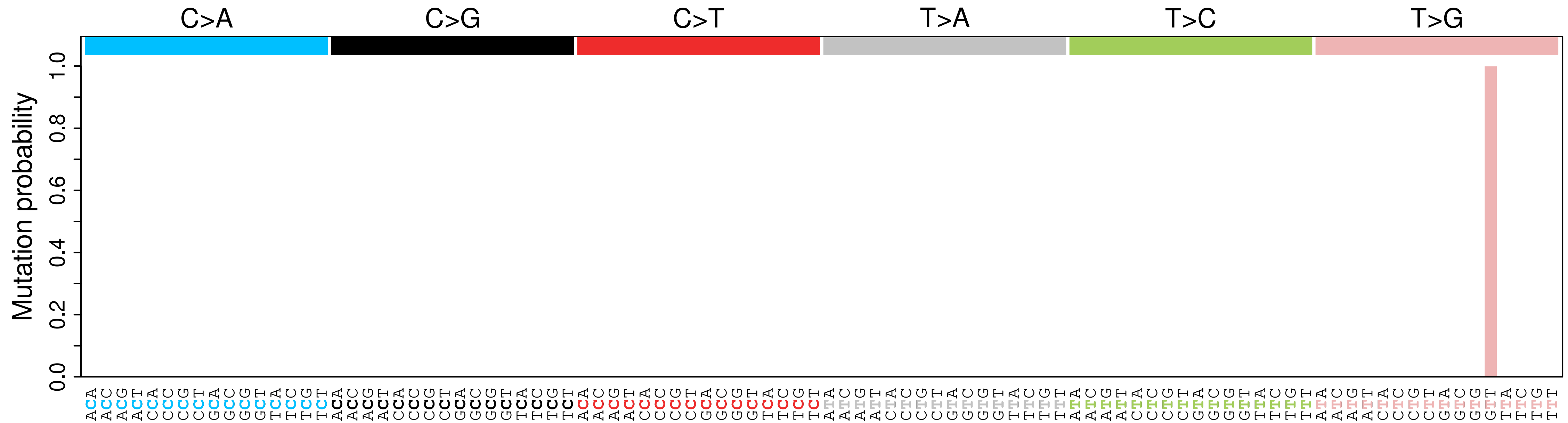
CATD0694a (4 mutations)



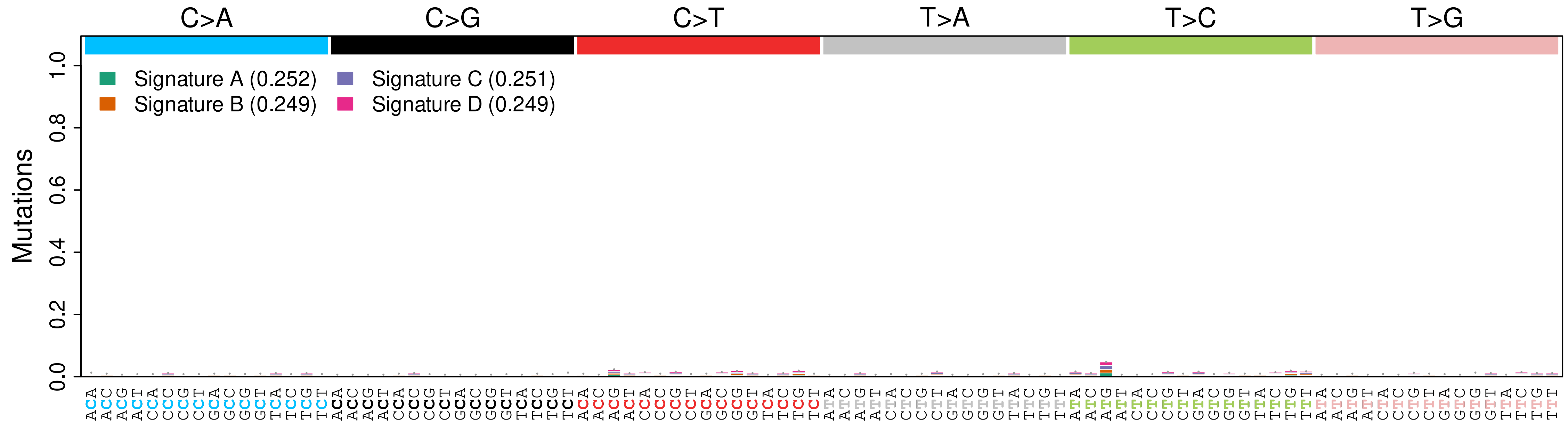
Reconstructed spectrum (cosine similarity = 0.221)



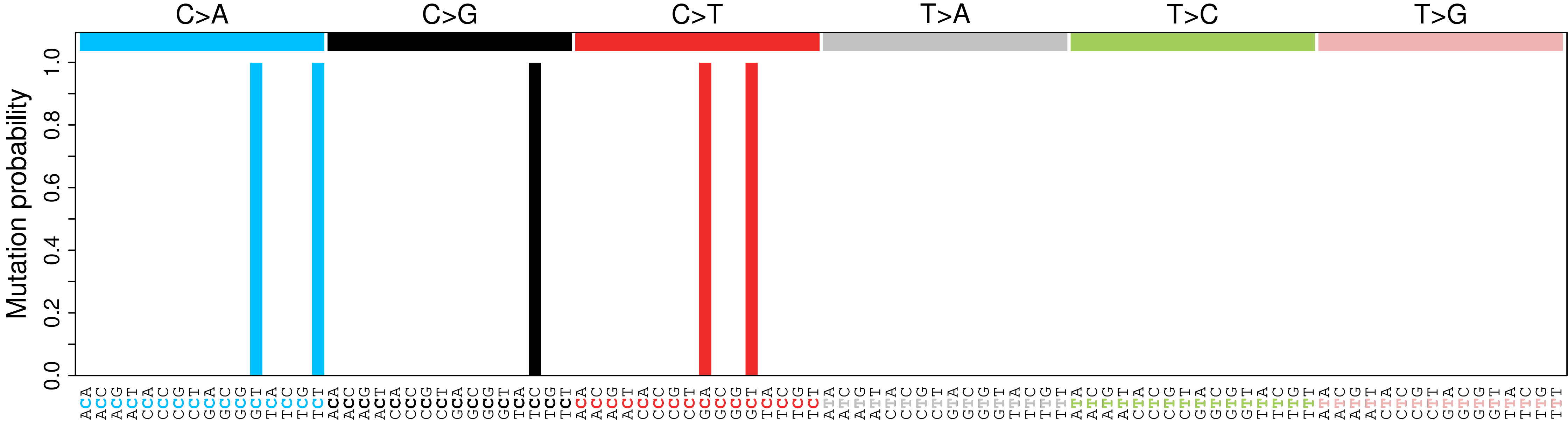
CATD0499a



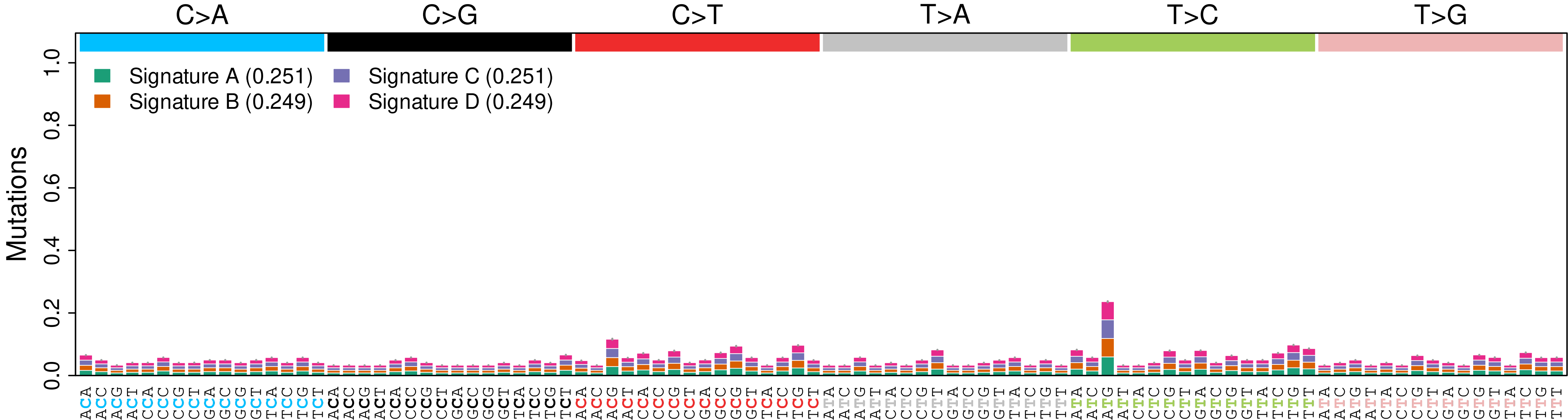
Reconstructed spectrum (cosine similarity = 0.101)



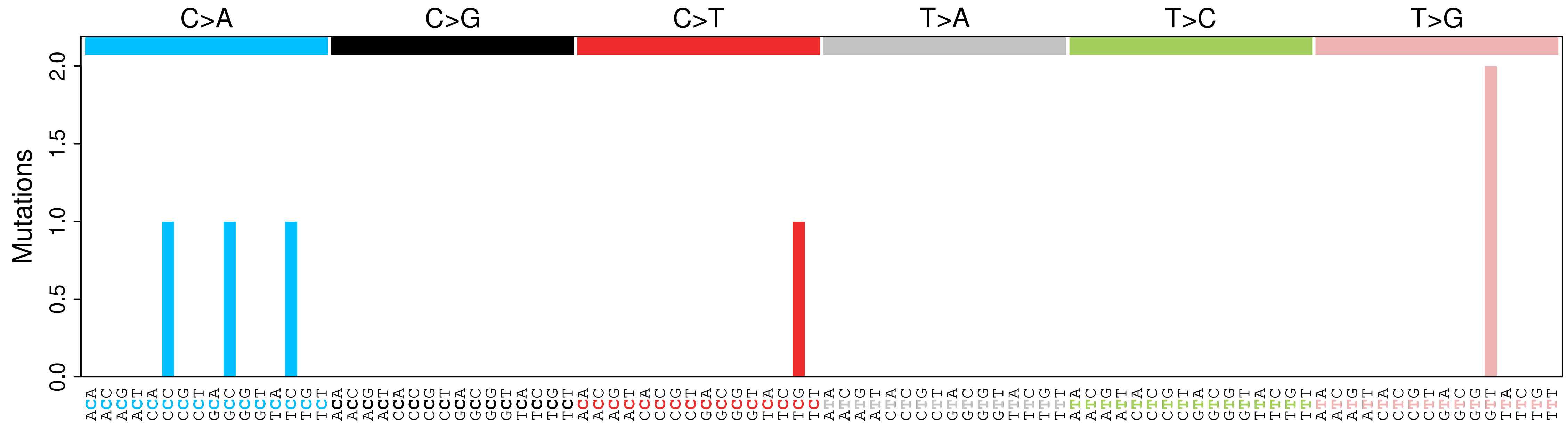
CATD0504a



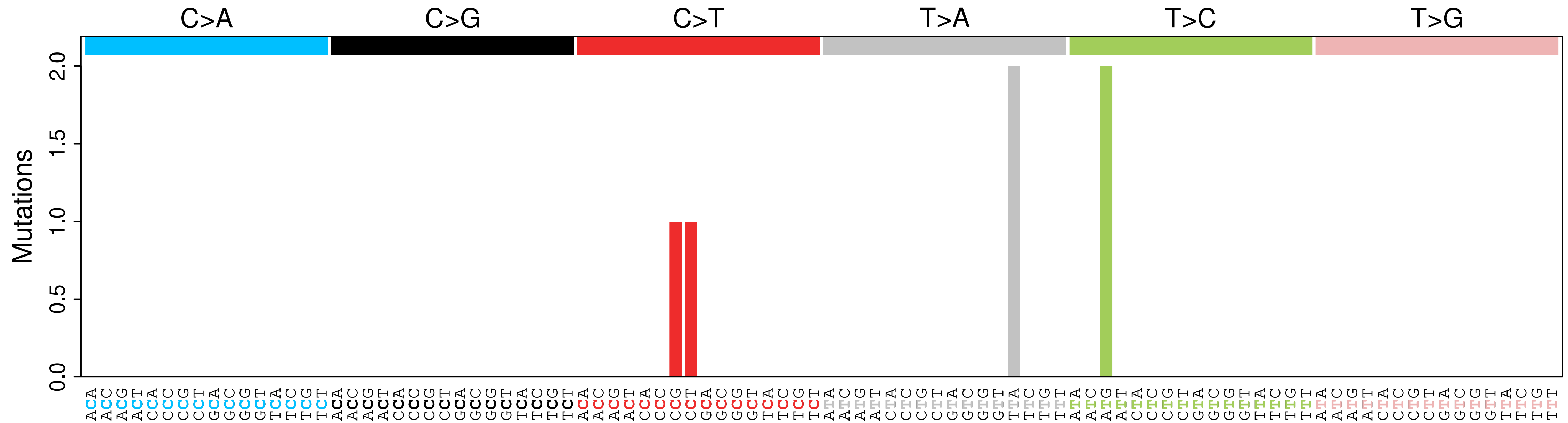
Reconstructed spectrum (cosine similarity = 0.194)



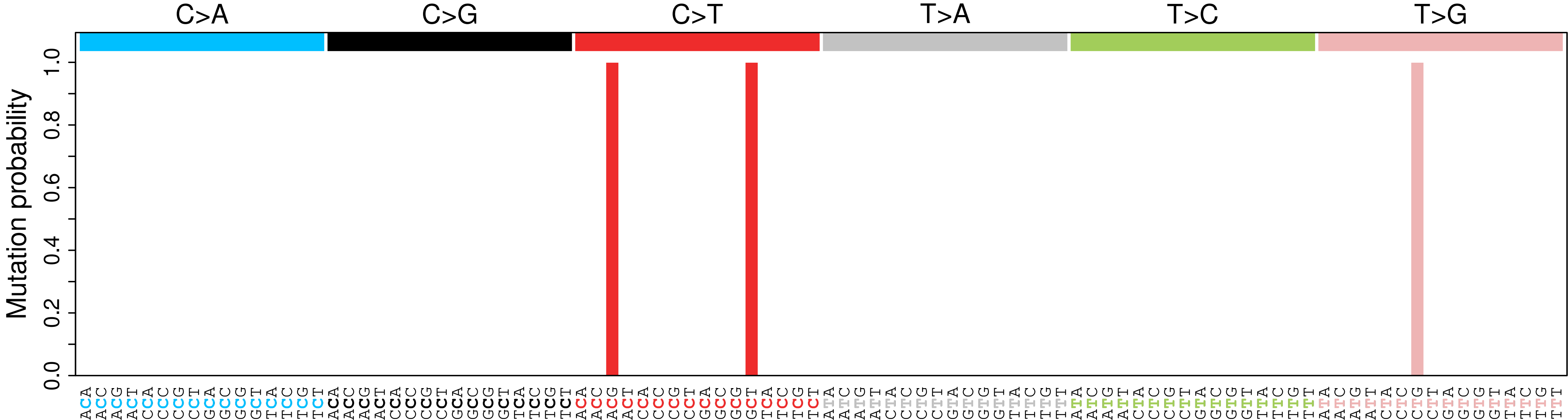
CATD0700a (6 mutations)



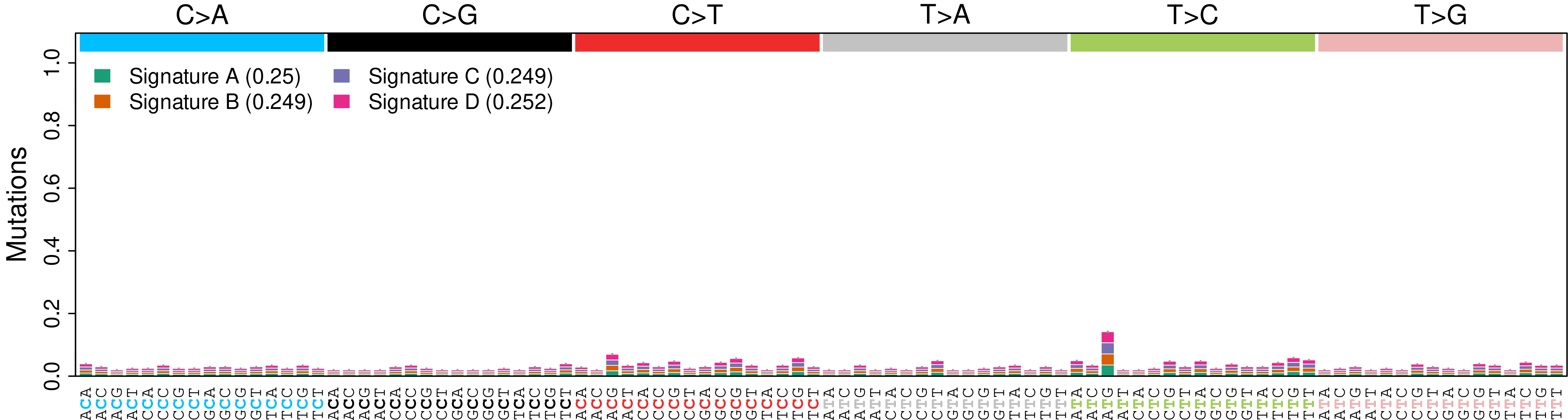
CATD0469a (6 mutations)



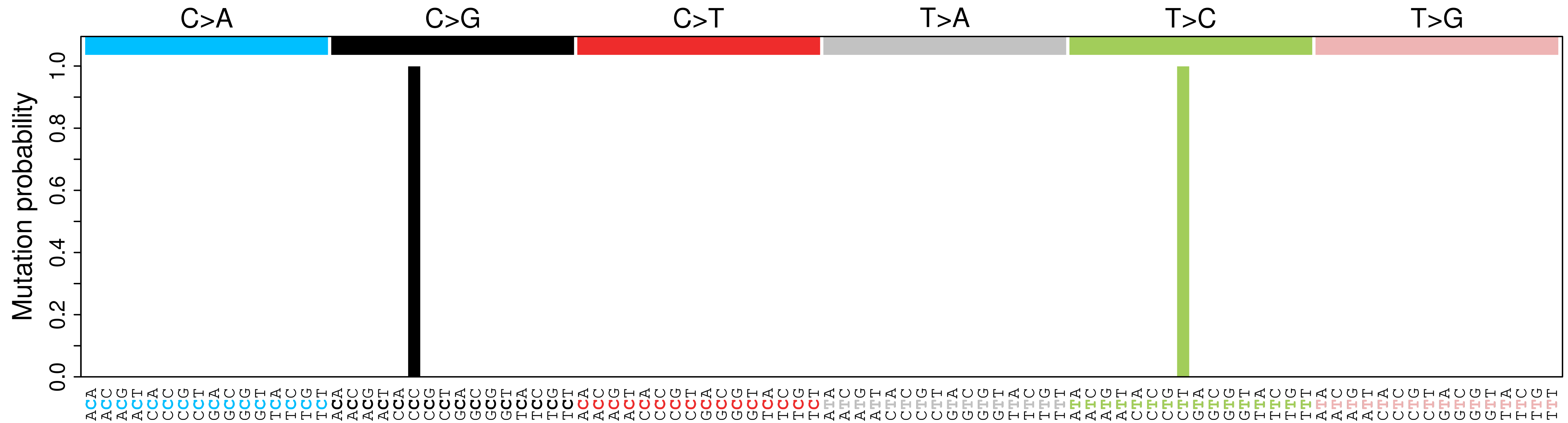
CATD0468a



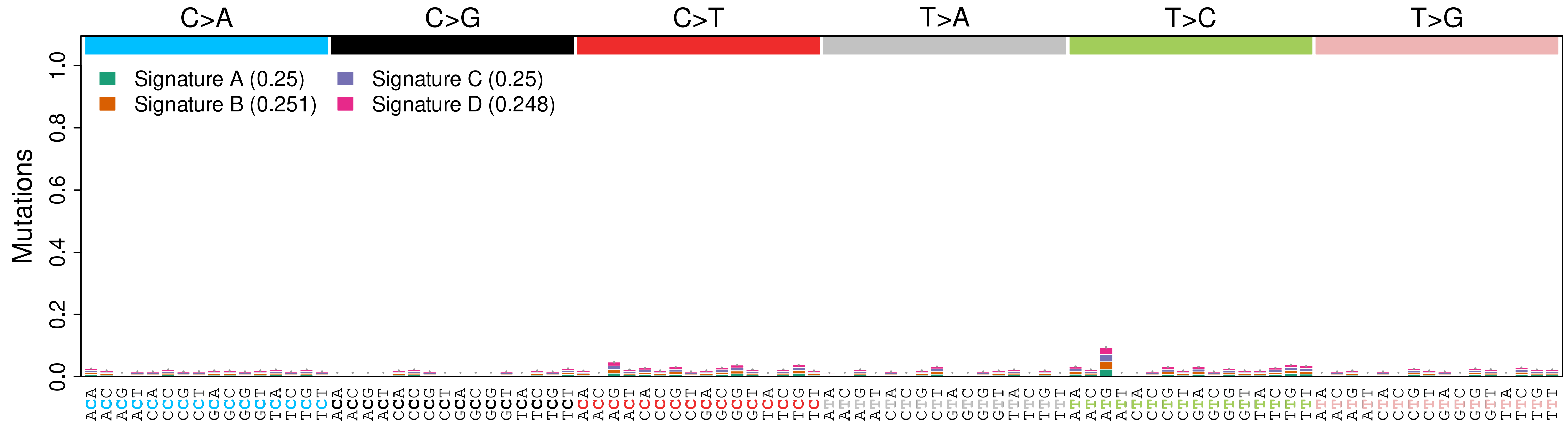
Reconstructed spectrum (cosine similarity = 0.24)



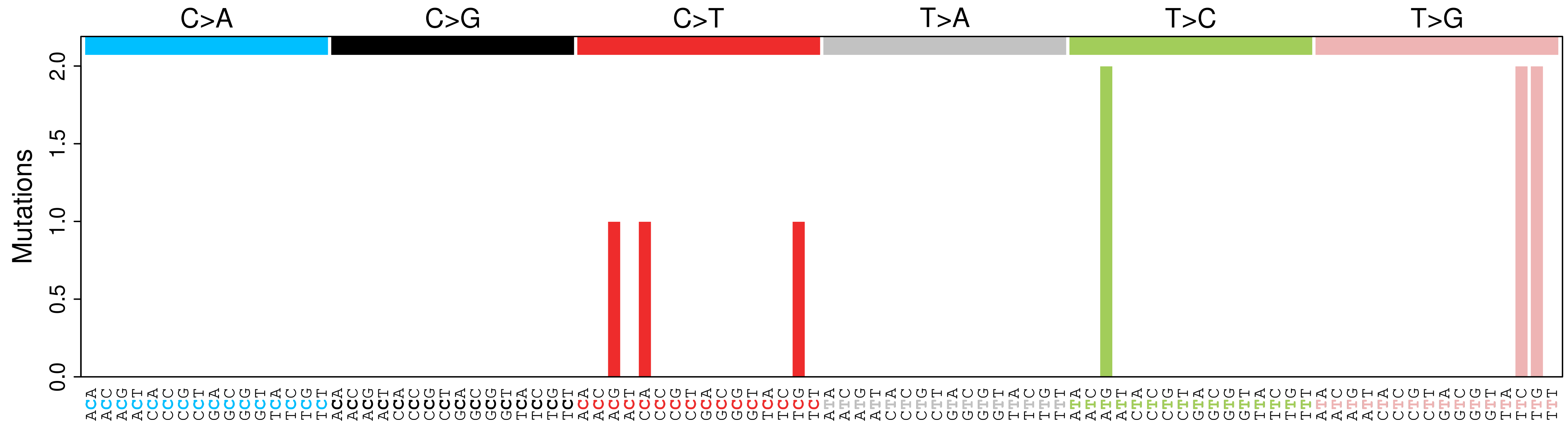
CATD0691a



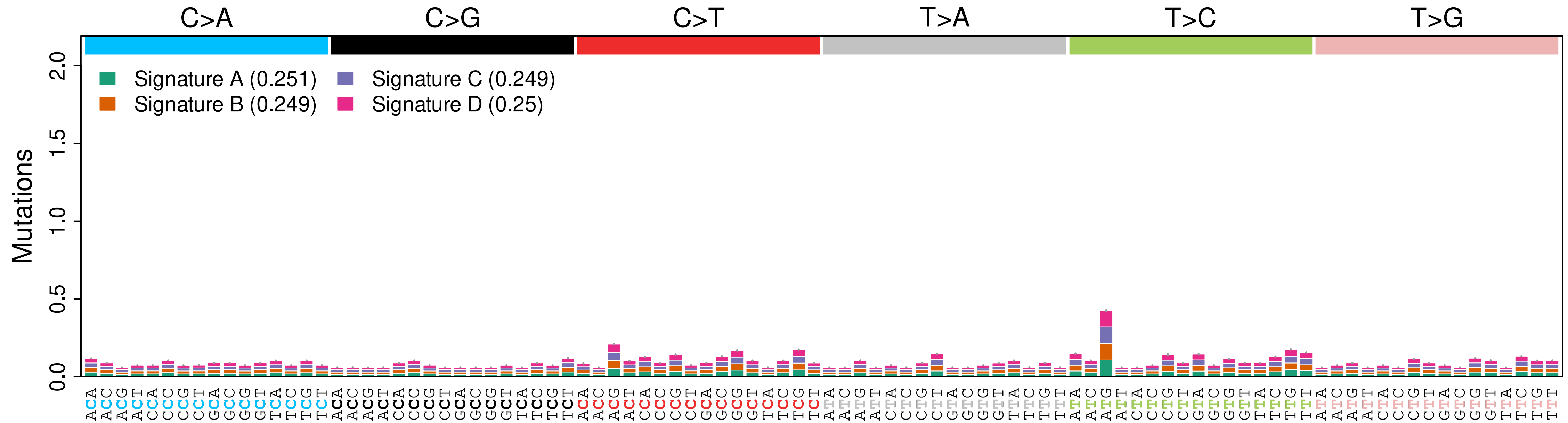
Reconstructed spectrum (cosine similarity = 0.133)



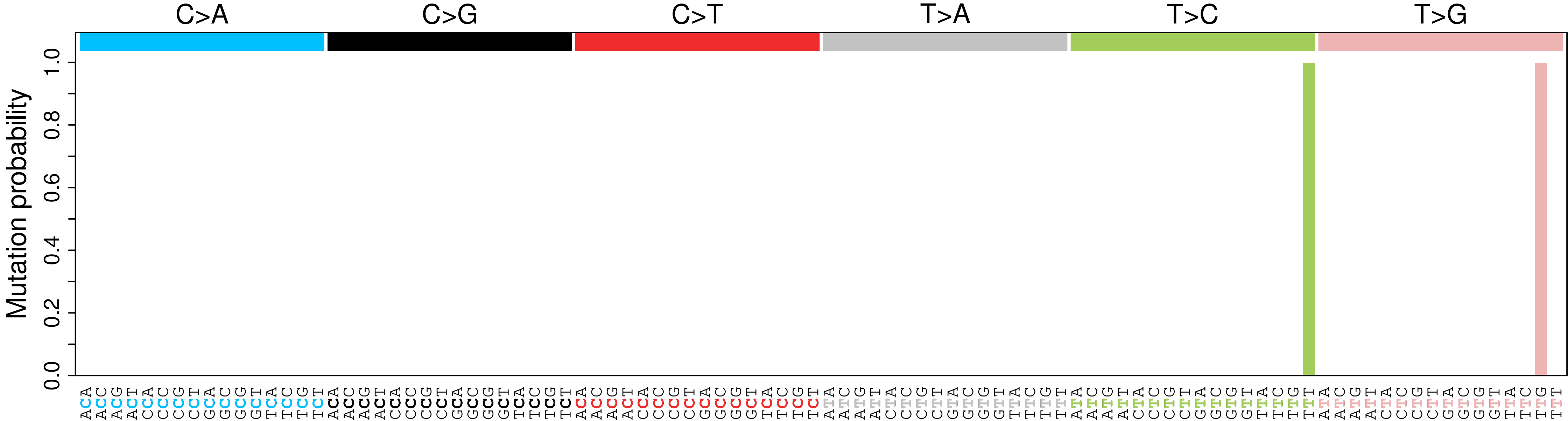
CATD0479a (9 mutations)



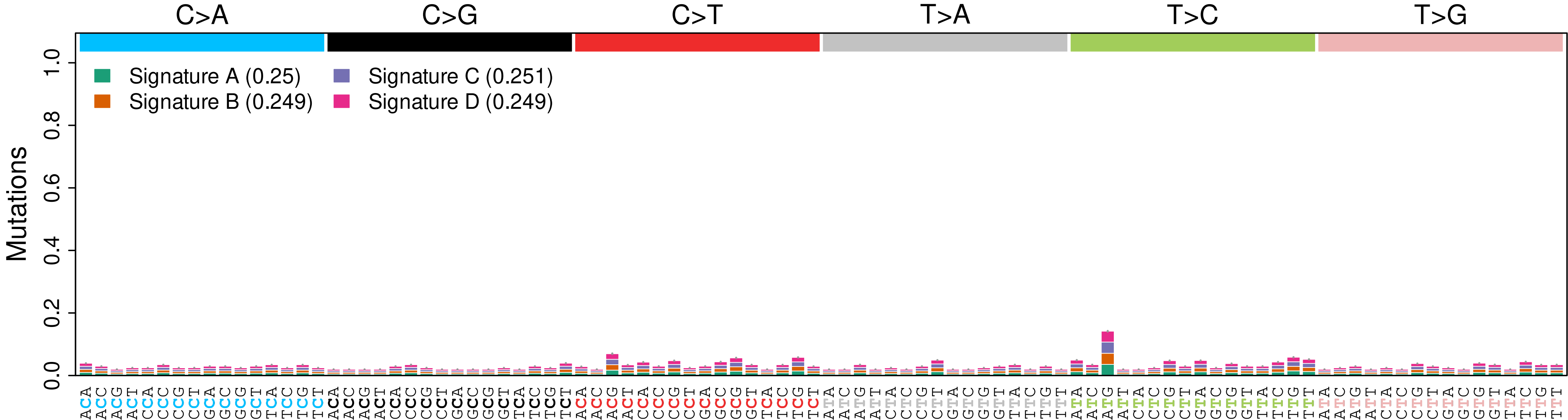
Reconstructed spectrum (cosine similarity = 0.461)



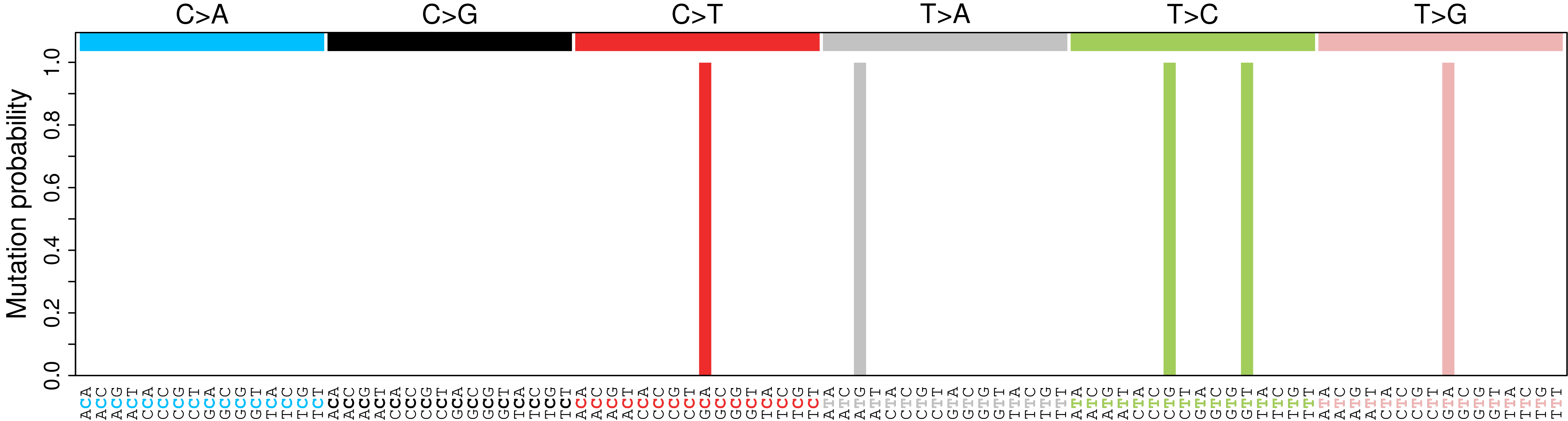
CATD0688a



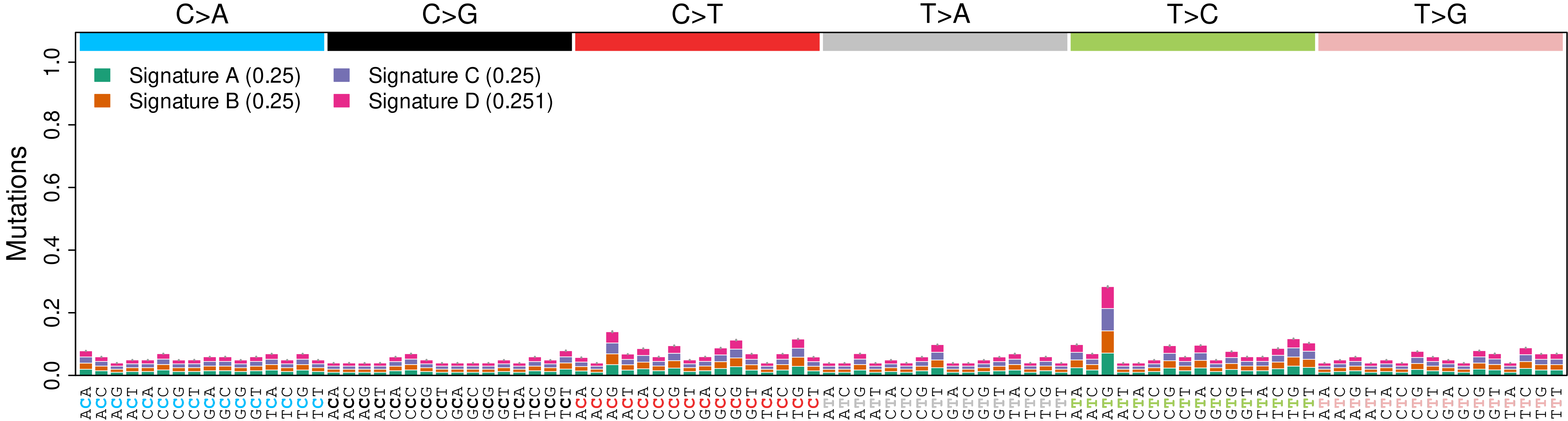
Reconstructed spectrum (cosine similarity = 0.178)



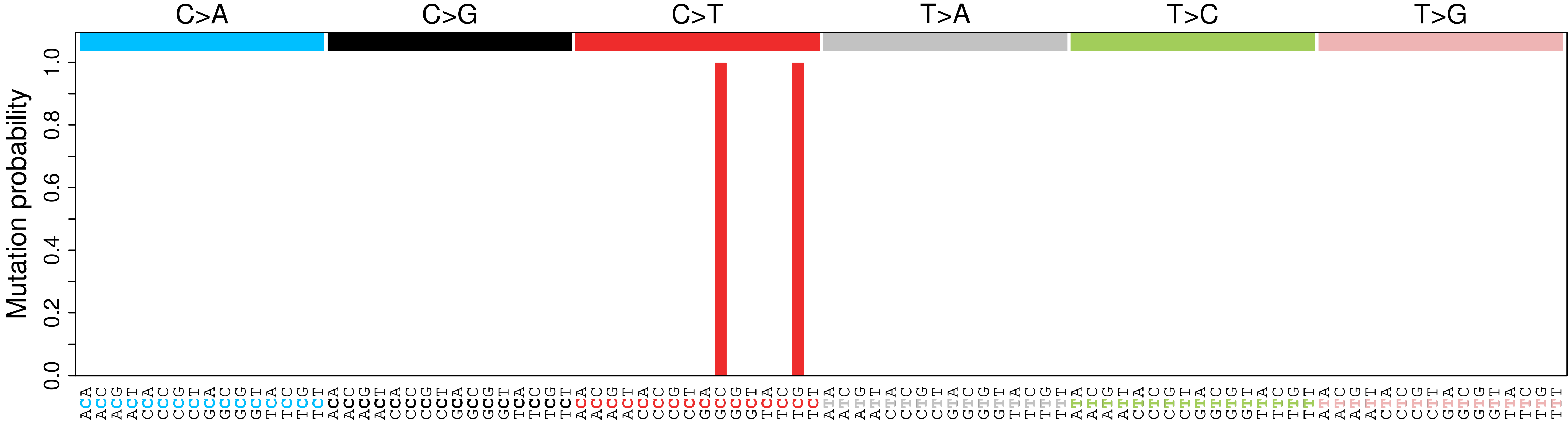
CATD0494a



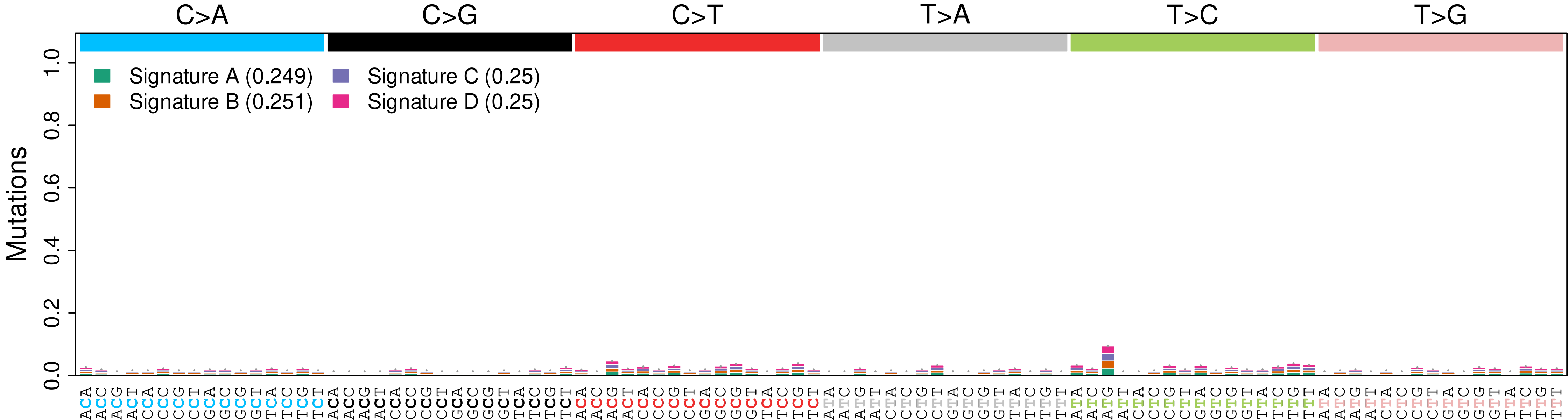
Reconstructed spectrum (cosine similarity = 0.217)



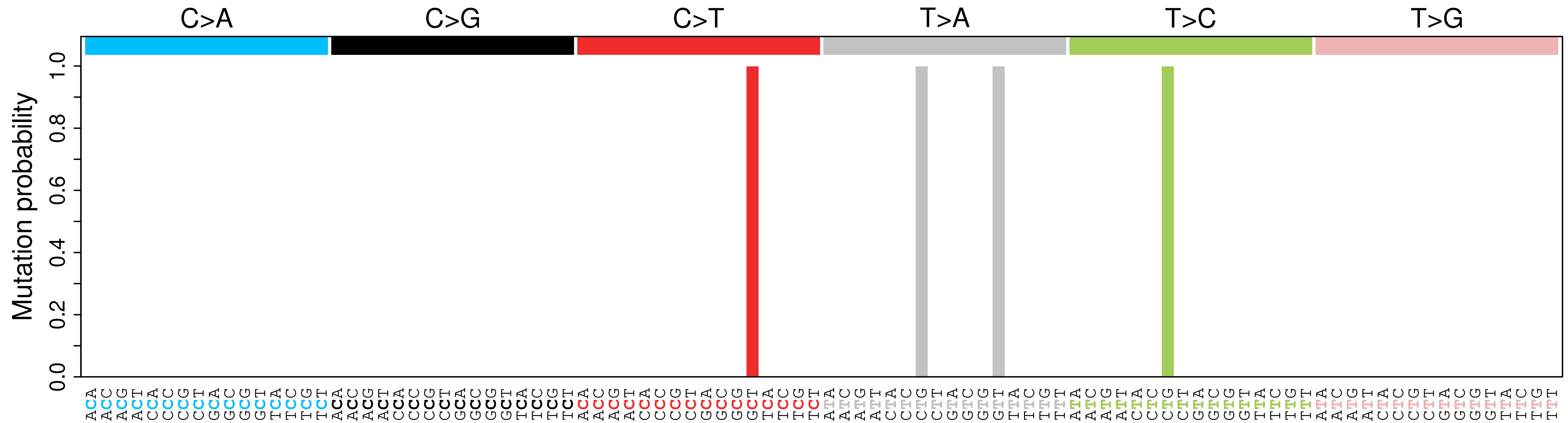
CATD0742a



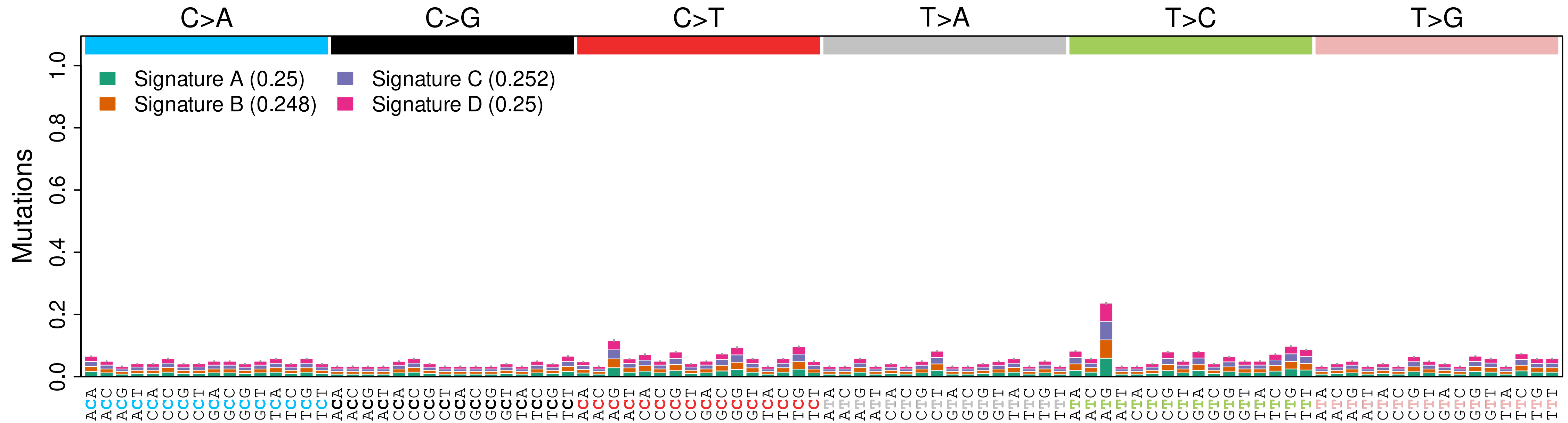
Reconstructed spectrum (cosine similarity = 0.21)



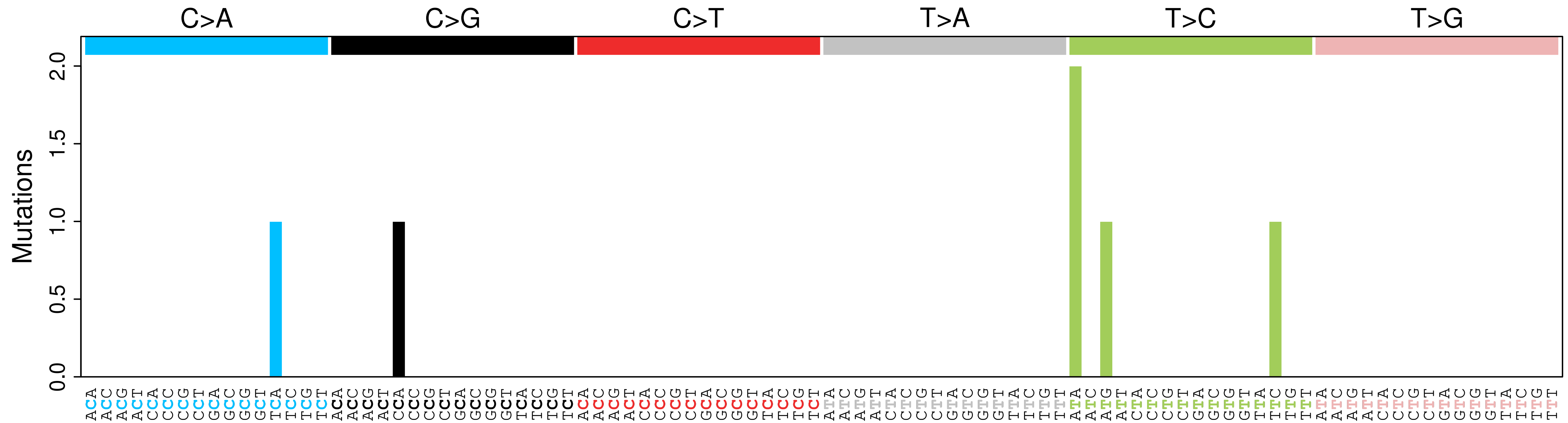
CATD0746a



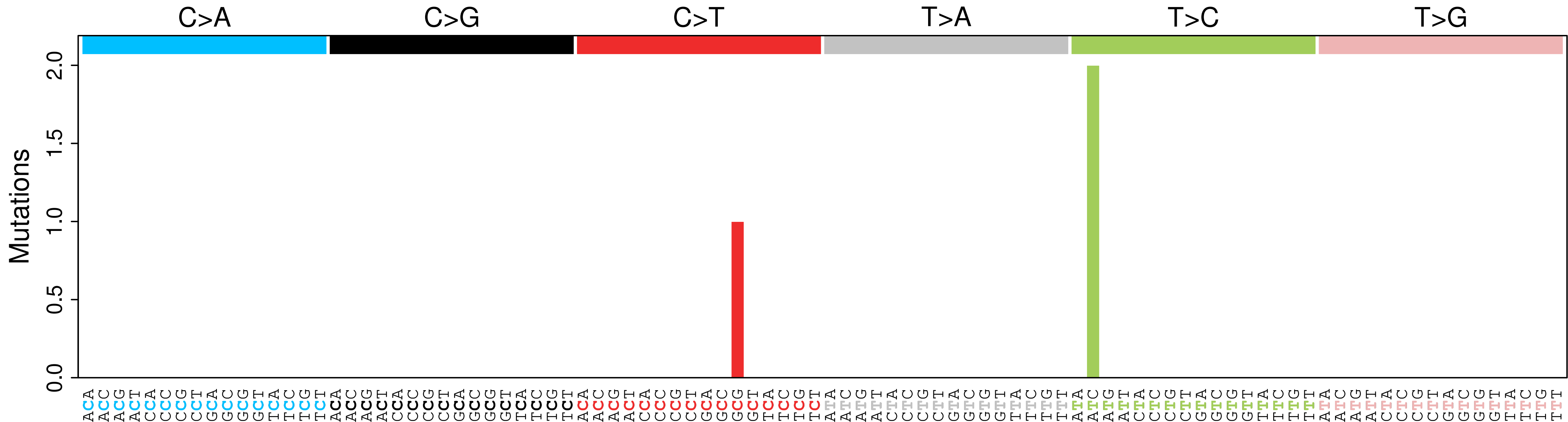
Reconstructed spectrum (cosine similarity = 0.206)



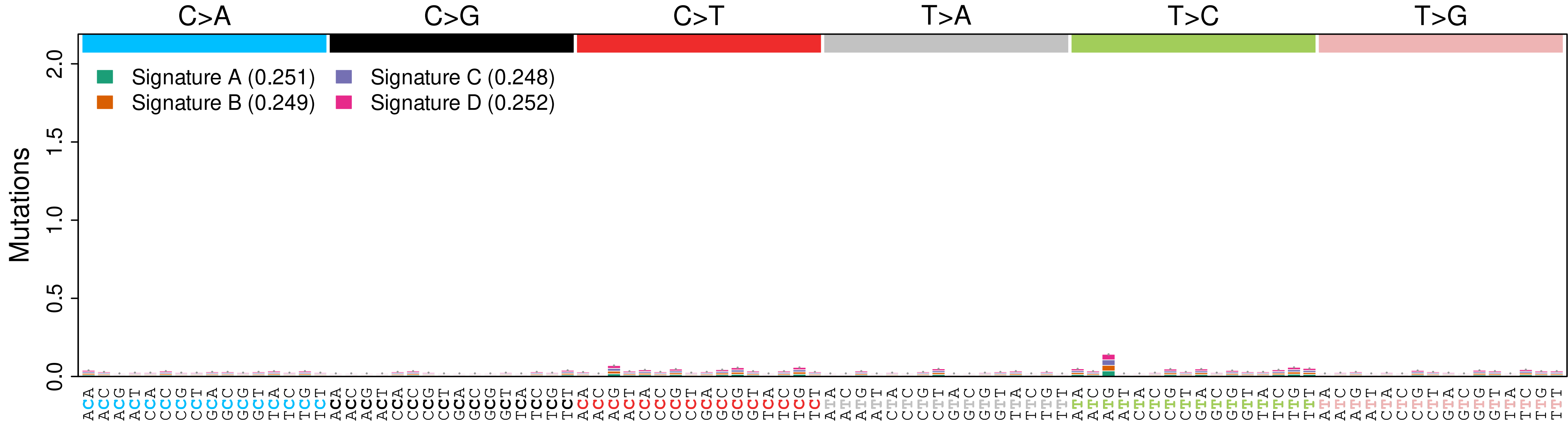
CATD0475a (6 mutations)



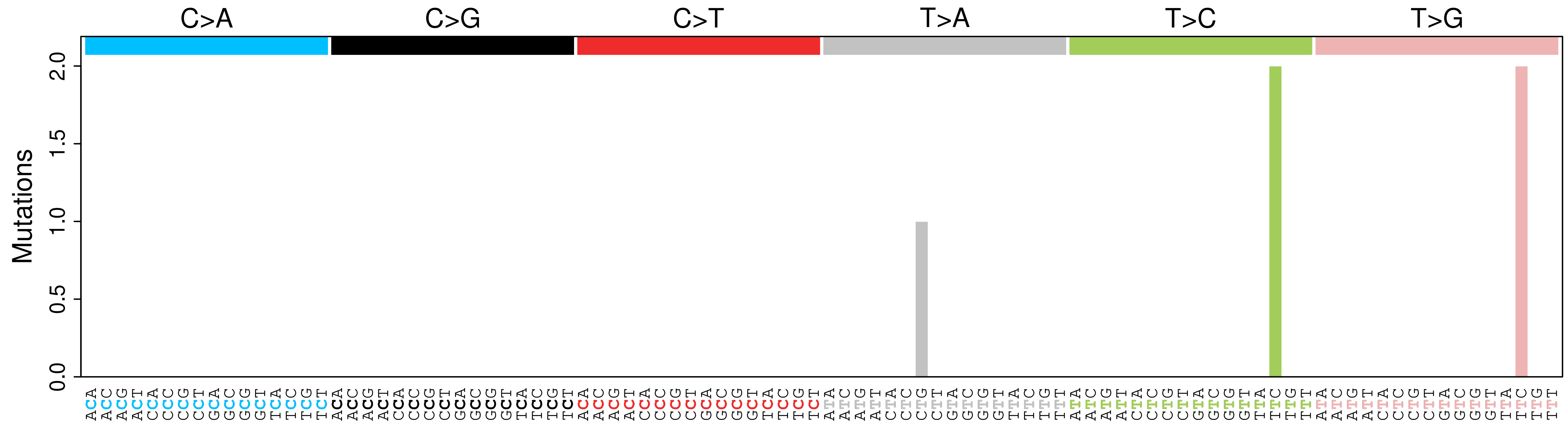
CATD0503a (3 mutations)



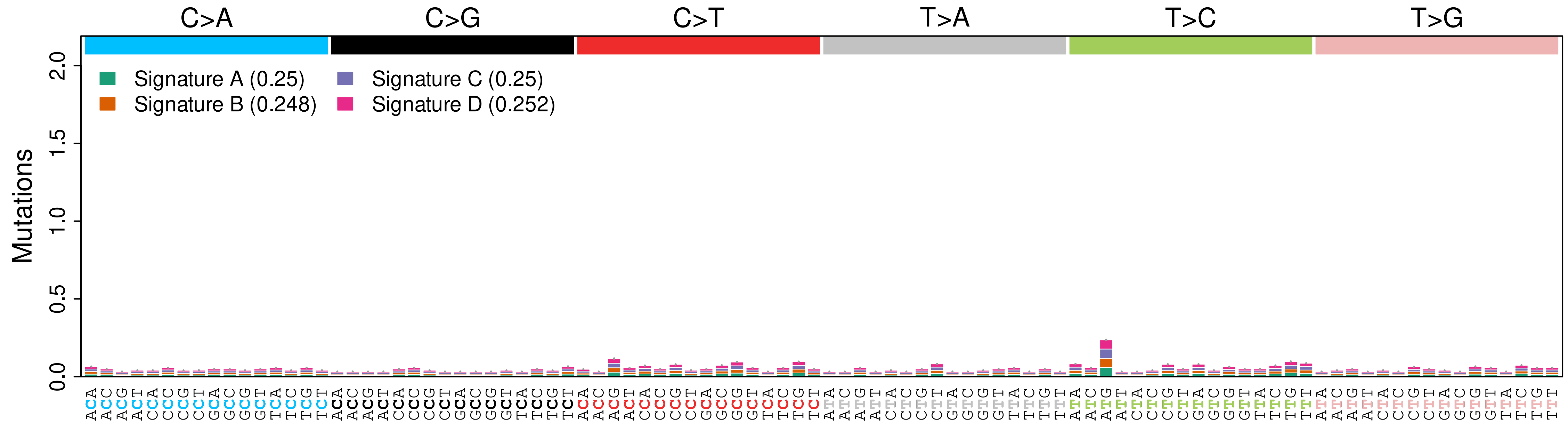
Reconstructed spectrum (cosine similarity = 0.164)



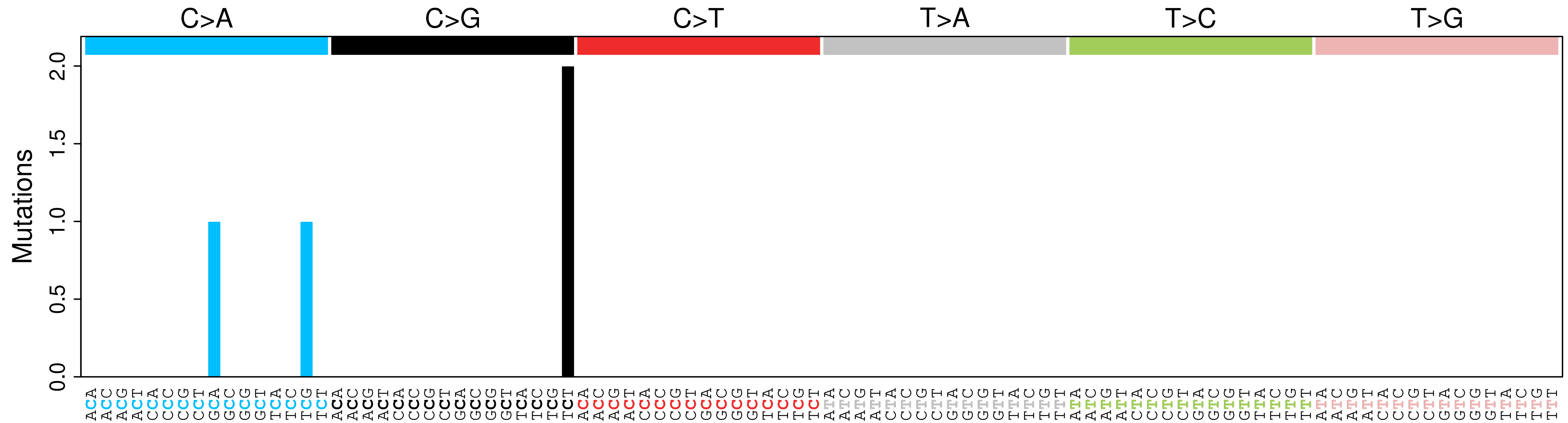
CATD0743a (5 mutations)



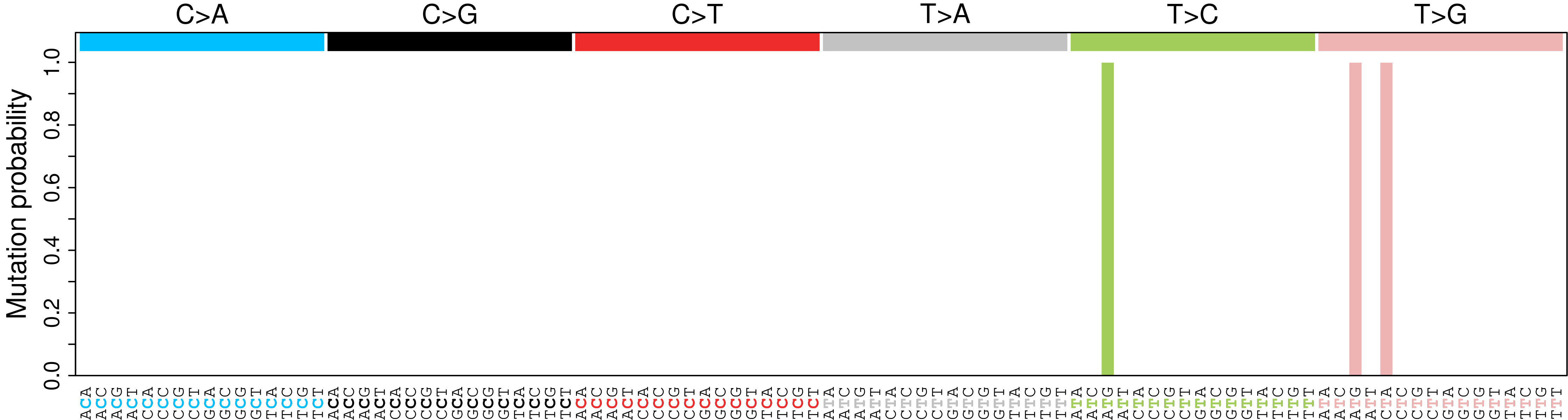
Reconstructed spectrum (cosine similarity = 0.198)



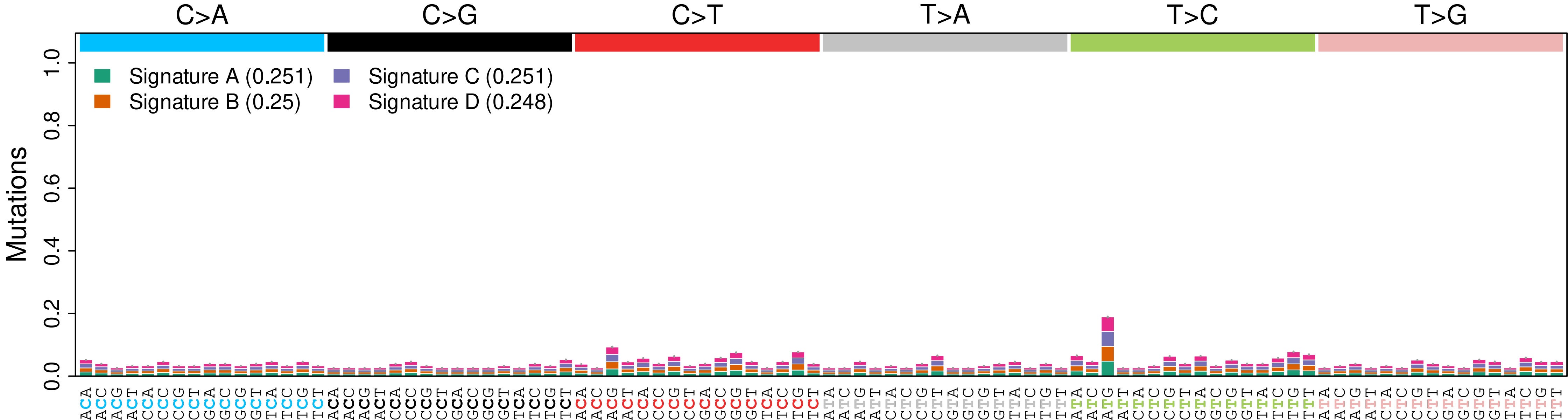
CATD0737a (4 mutations)



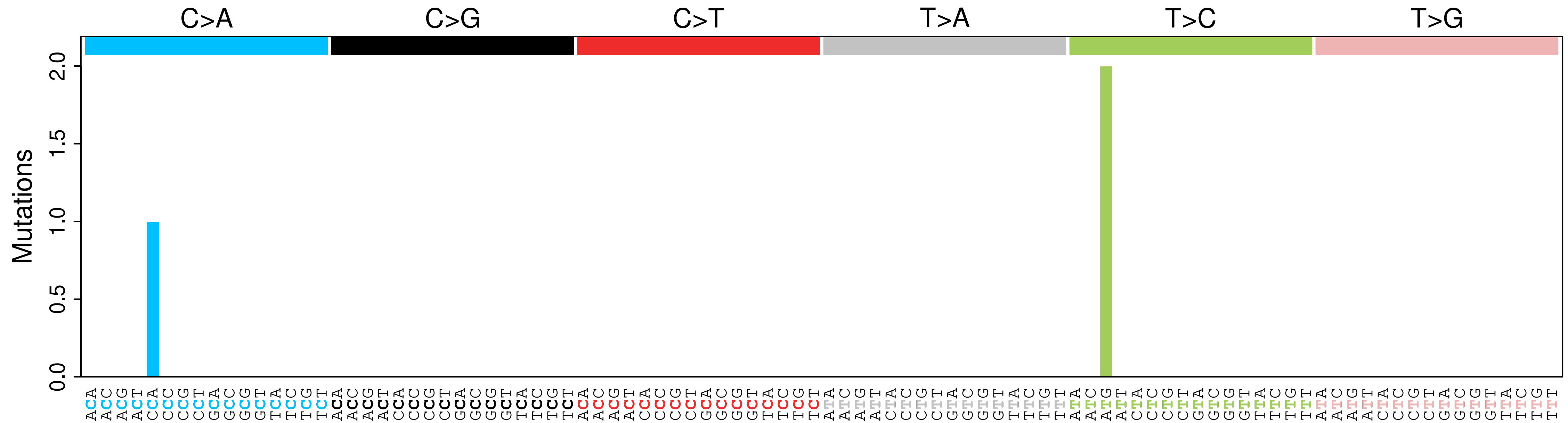
CATD0478a



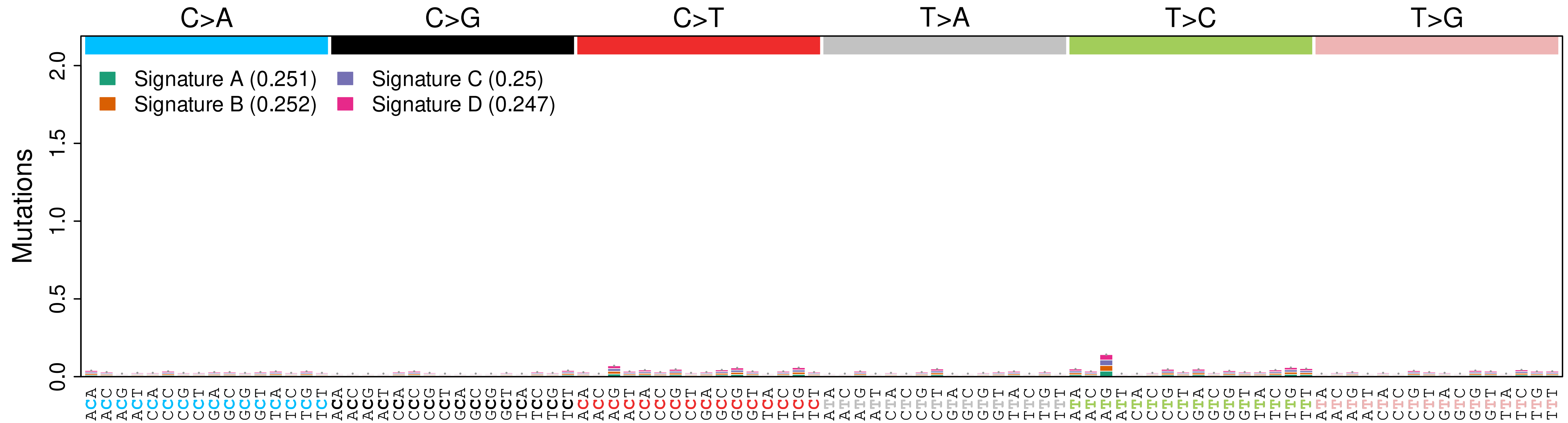
Reconstructed spectrum (cosine similarity = 0.331)



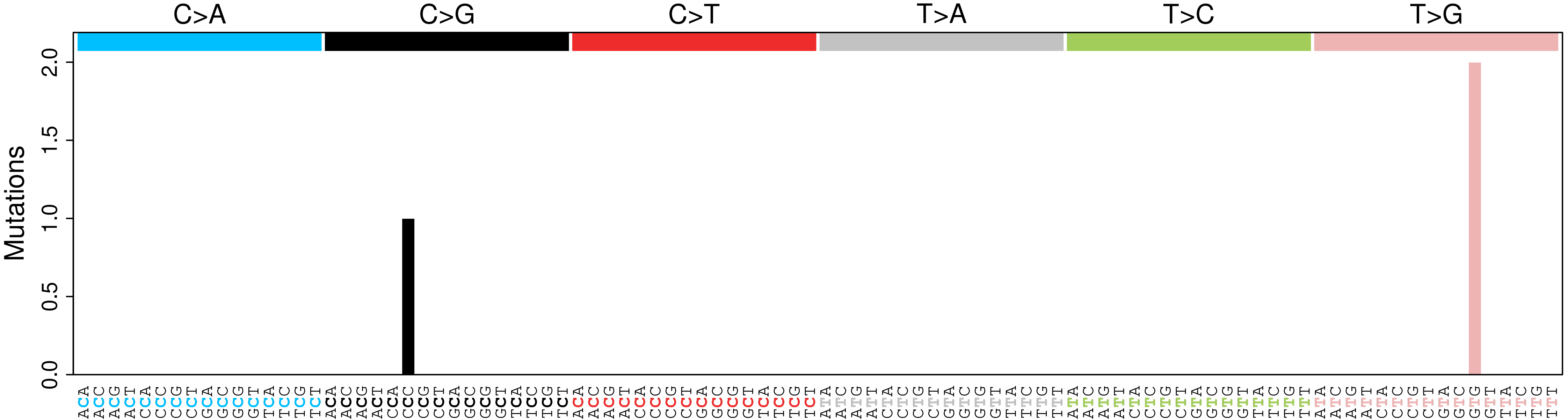
CATD0488a (3 mutations)



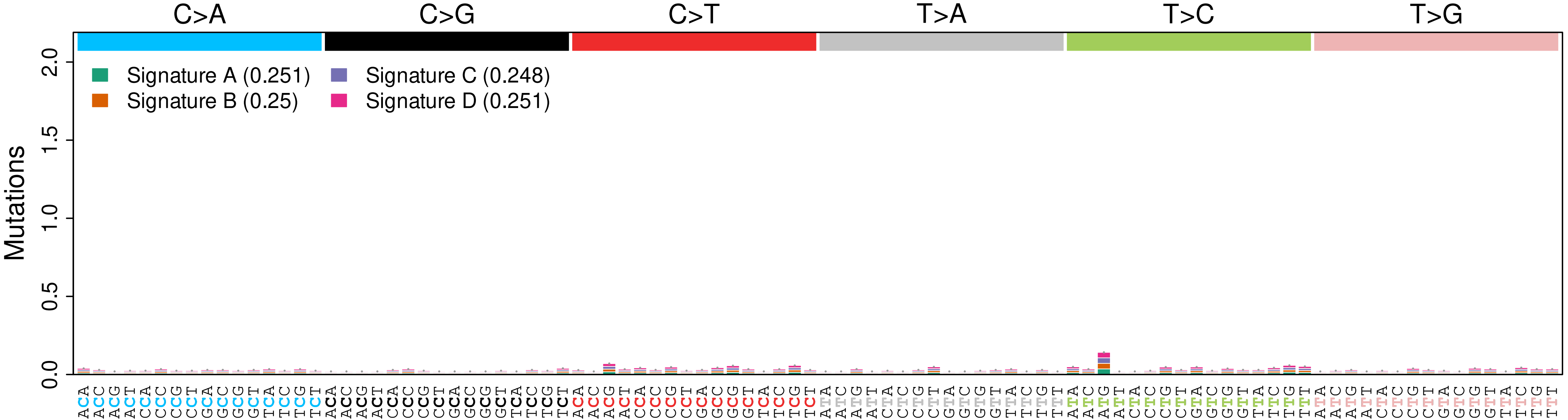
Reconstructed spectrum (cosine similarity = 0.403)



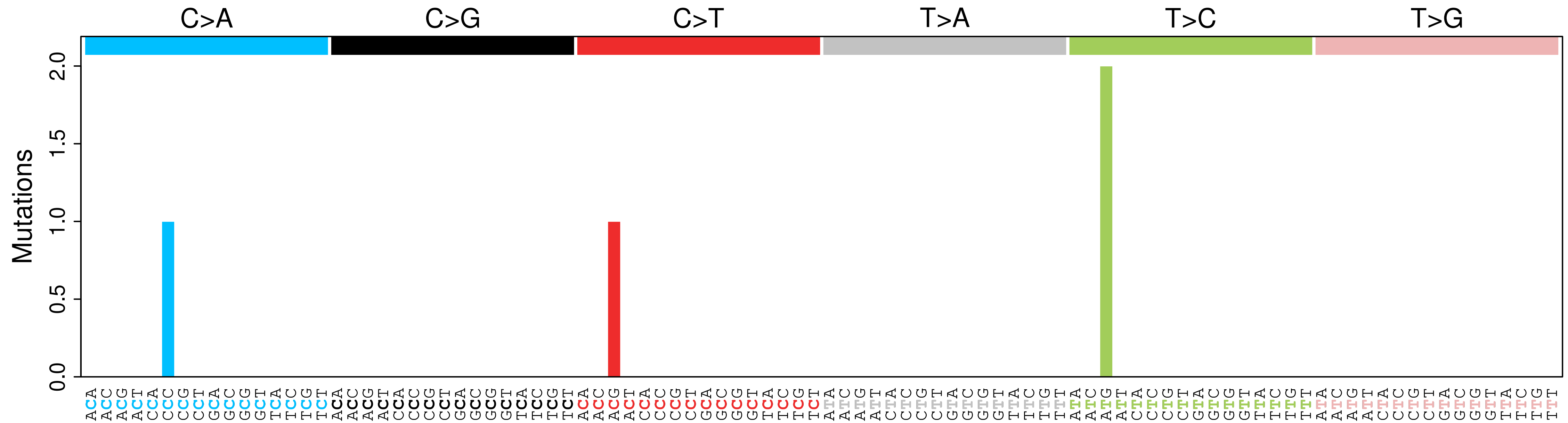
CATD0697a (3 mutations)



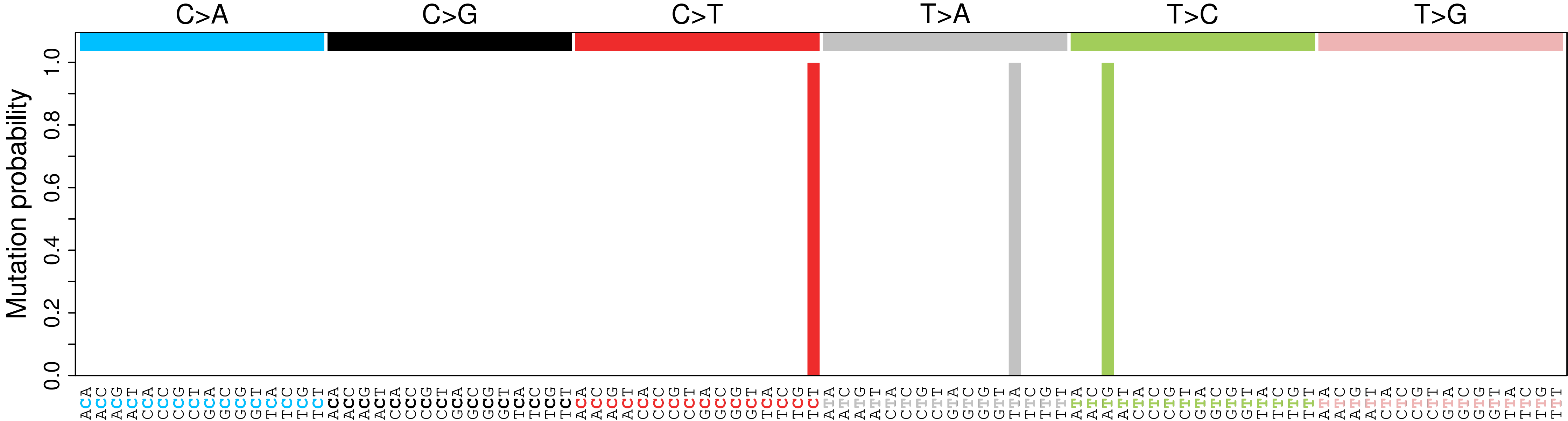
Reconstructed spectrum (cosine similarity = 0.149)



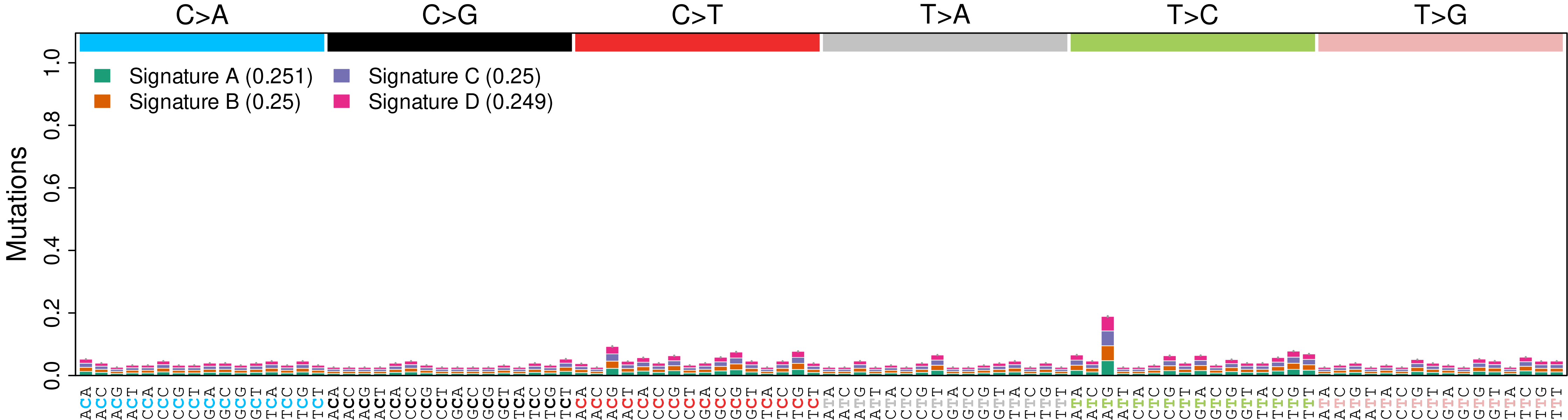
CATD0485a (4 mutations)



CATD0486a



Reconstructed spectrum (cosine similarity = 0.347)



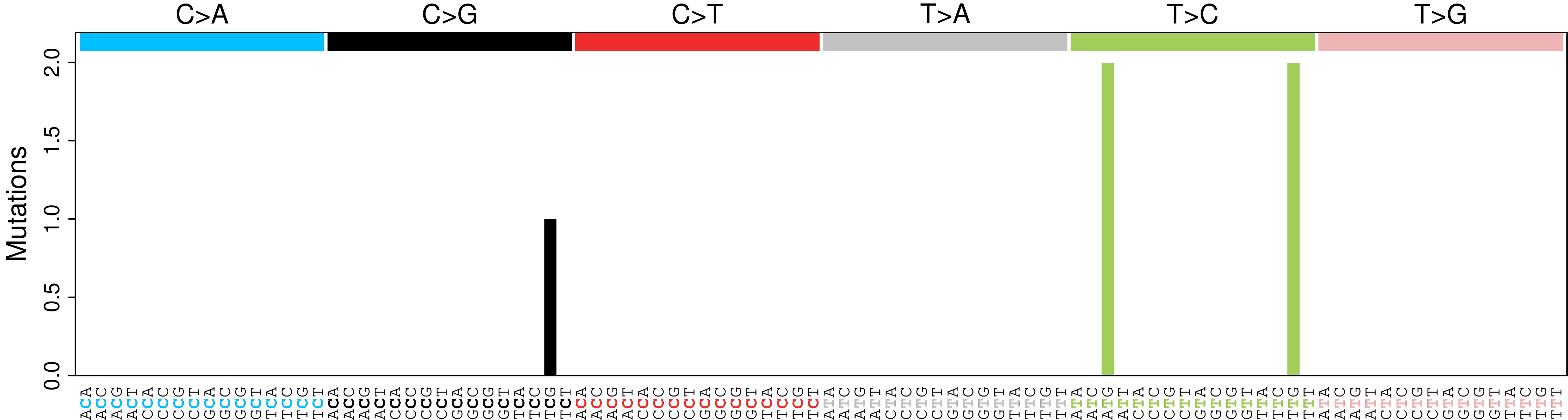
CATD0487a



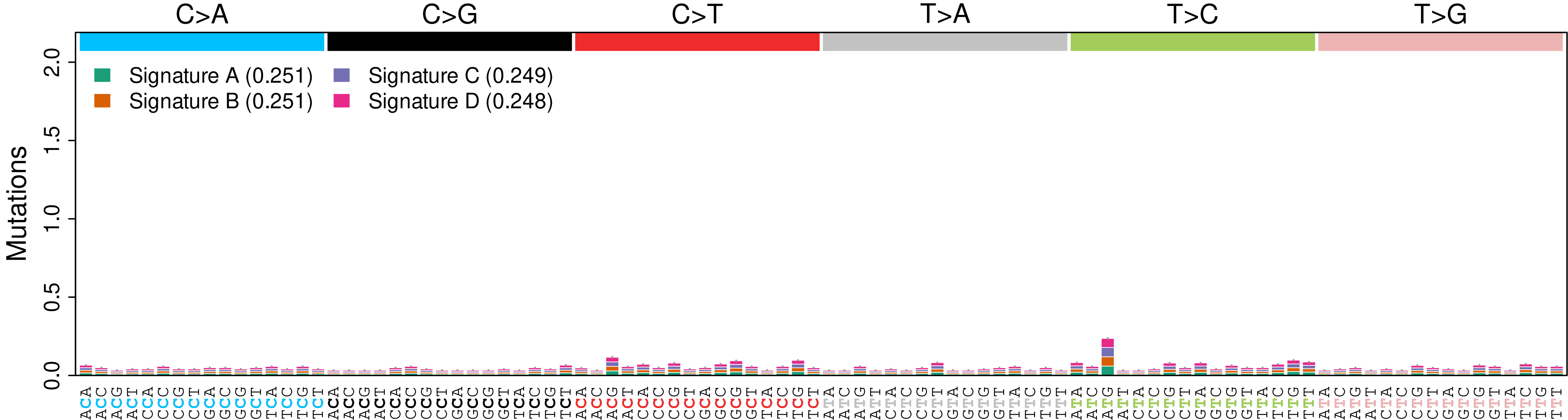
Reconstructed spectrum (cosine similarity = 0.239)



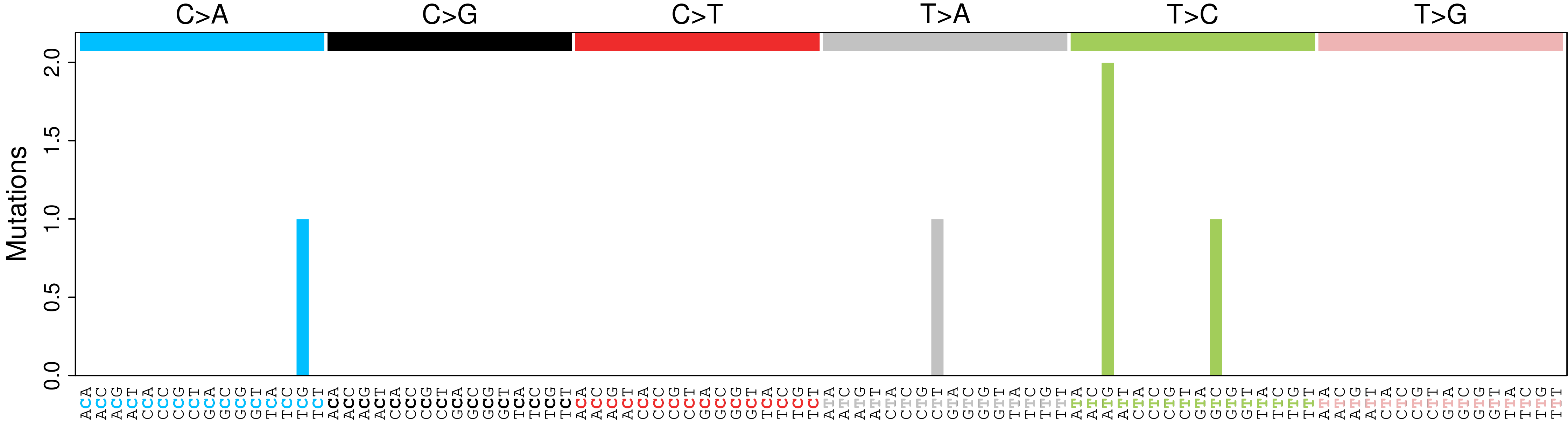
CATD0744a (5 mutations)



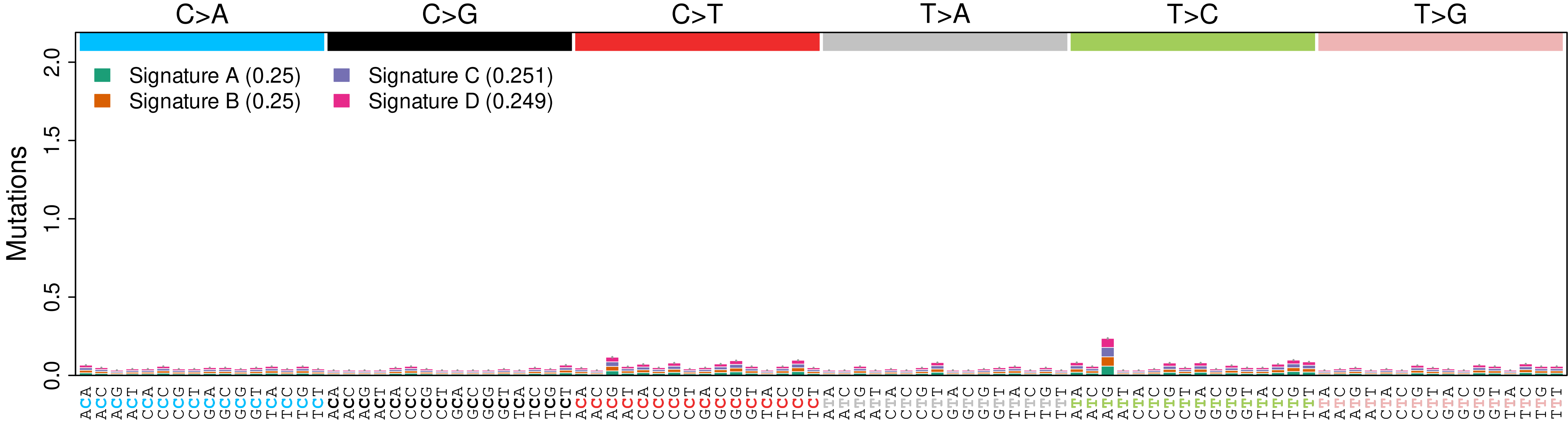
Reconstructed spectrum (cosine similarity = 0.414)



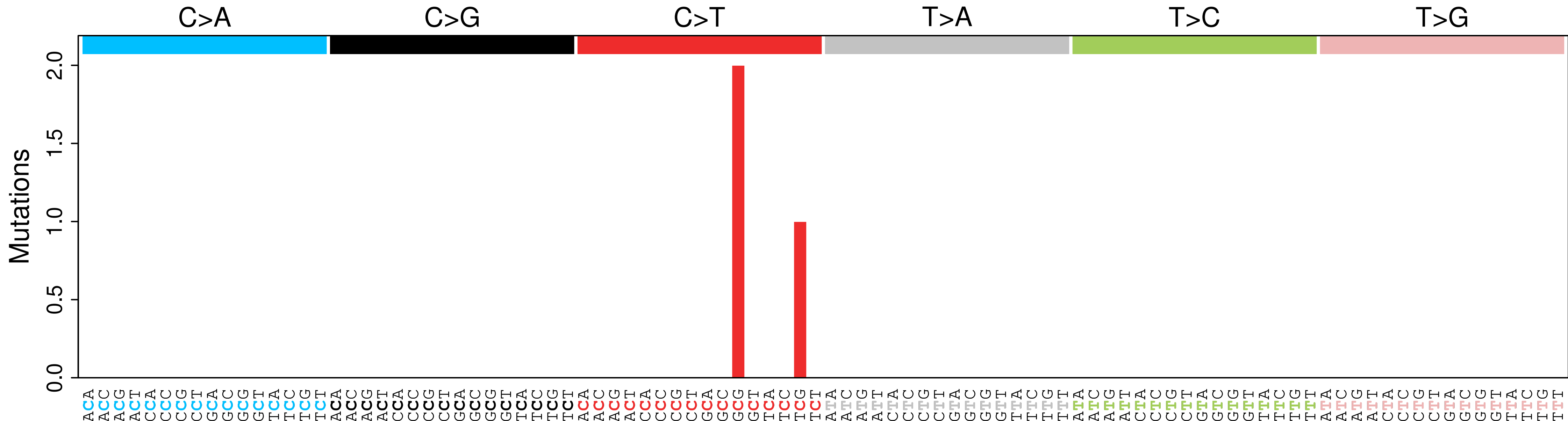
CATD0471a (5 mutations)



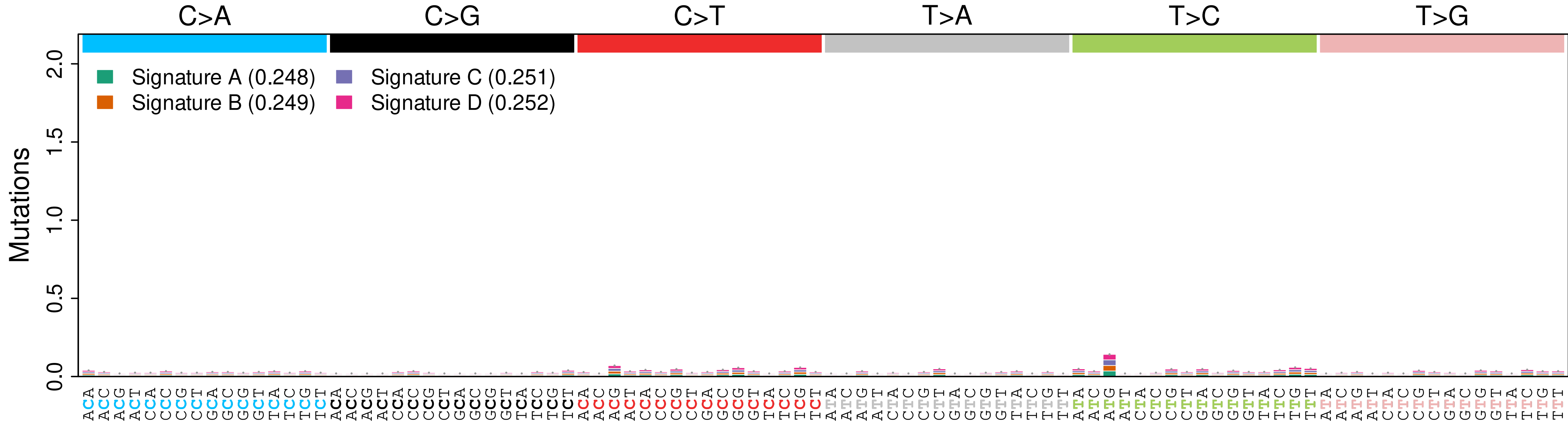
Reconstructed spectrum (cosine similarity = 0.433)



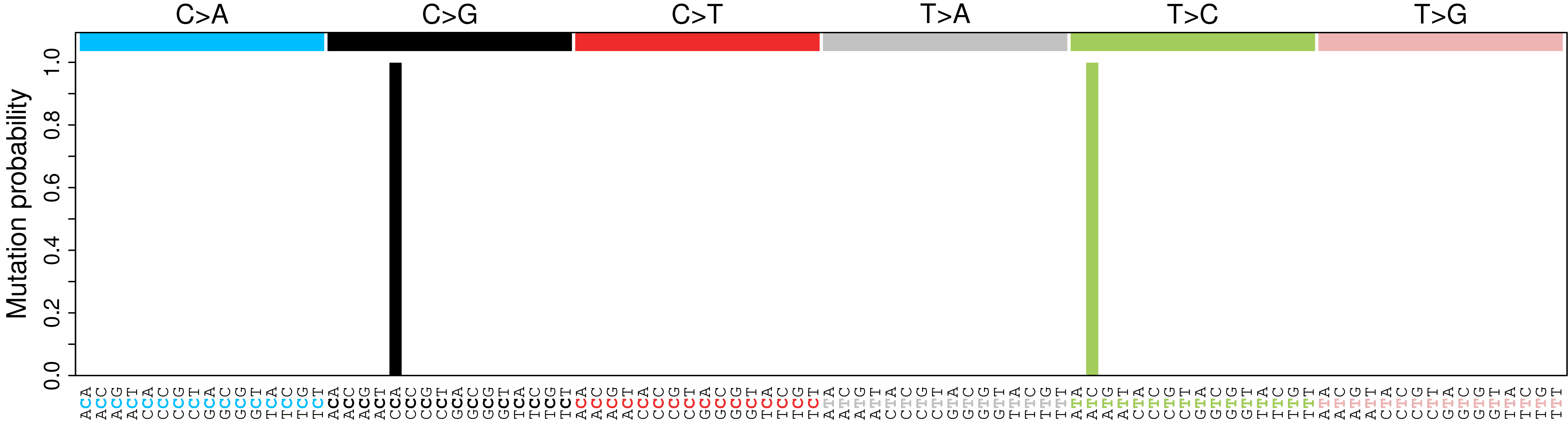
CATD0739a (3 mutations)



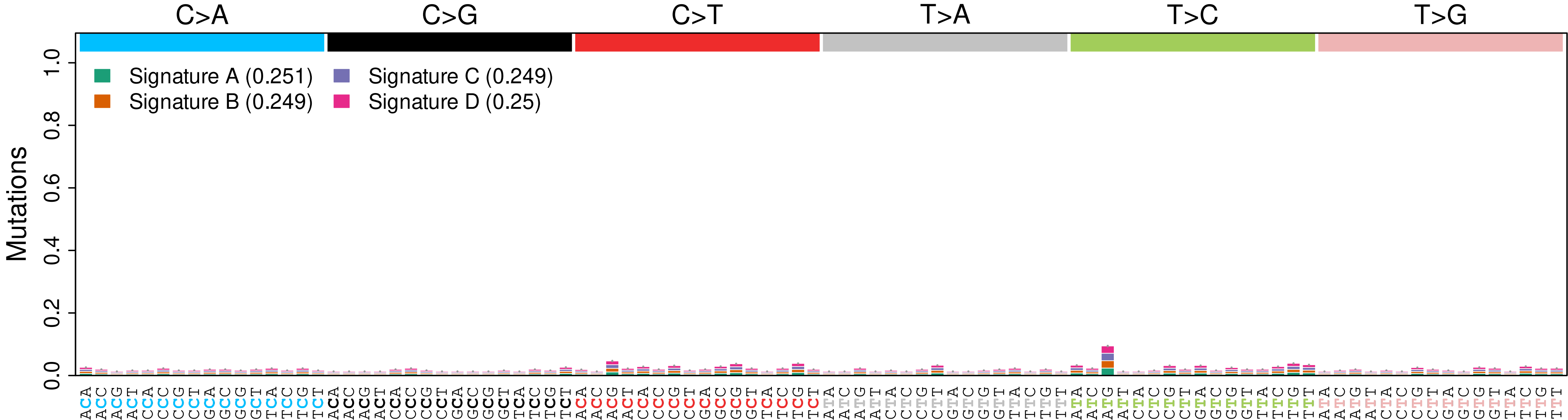
Reconstructed spectrum (cosine similarity = 0.223)



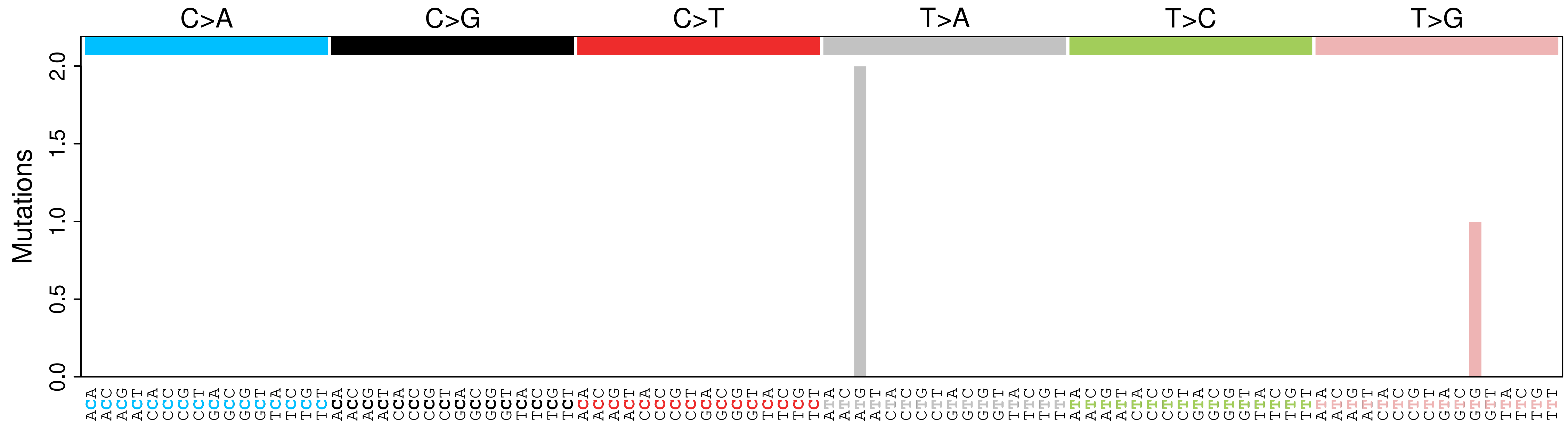
CATD0738a



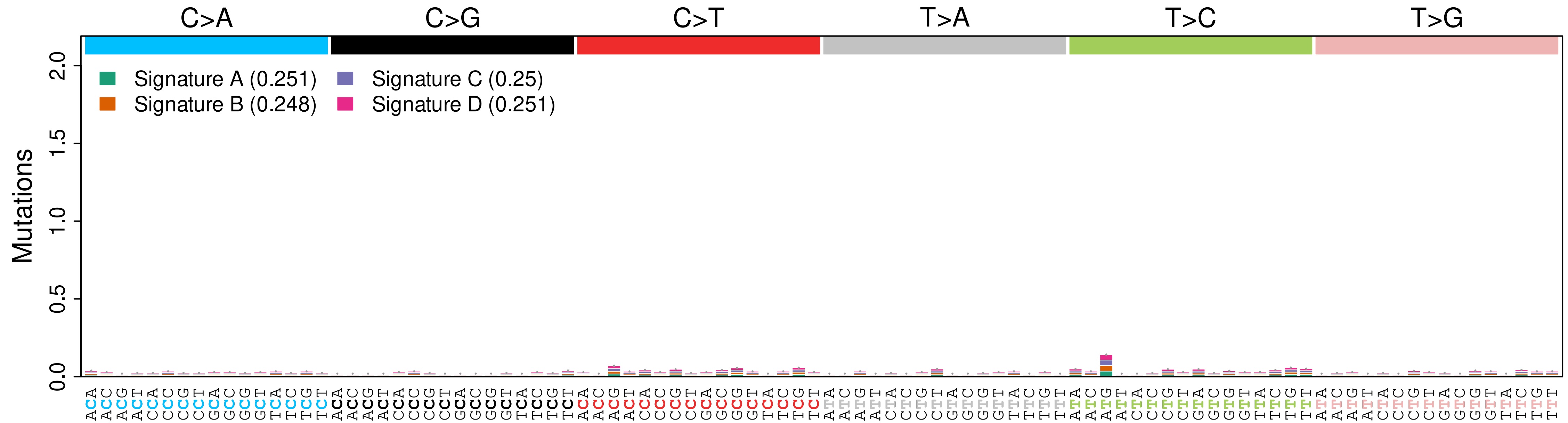
Reconstructed spectrum (cosine similarity = 0.133)



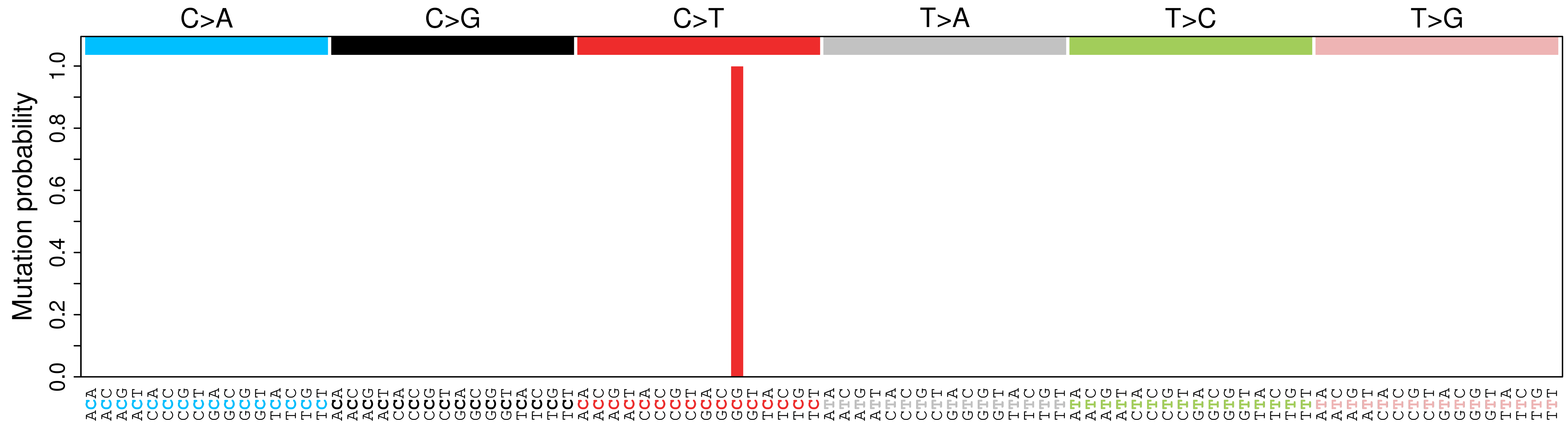
CATD0692a (3 mutations)



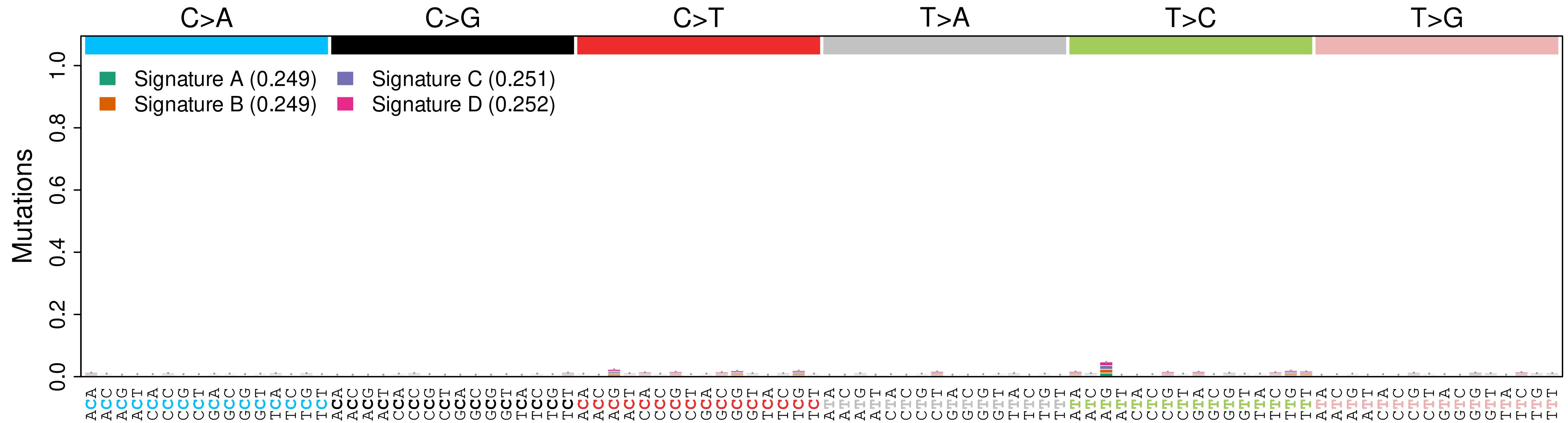
Reconstructed spectrum (cosine similarity = 0.143)



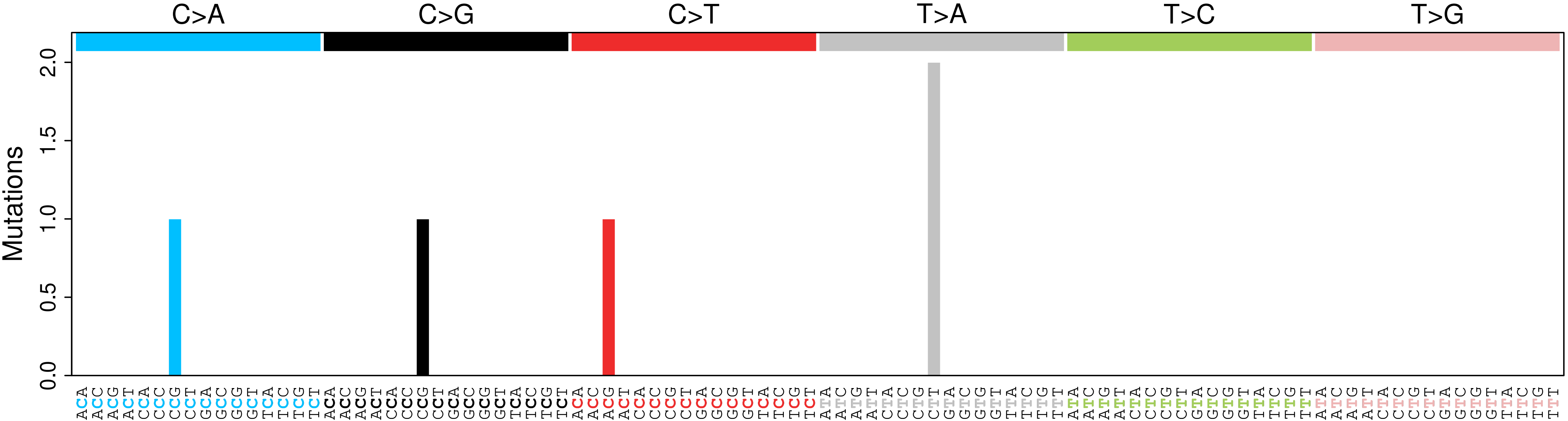
CATD0497a



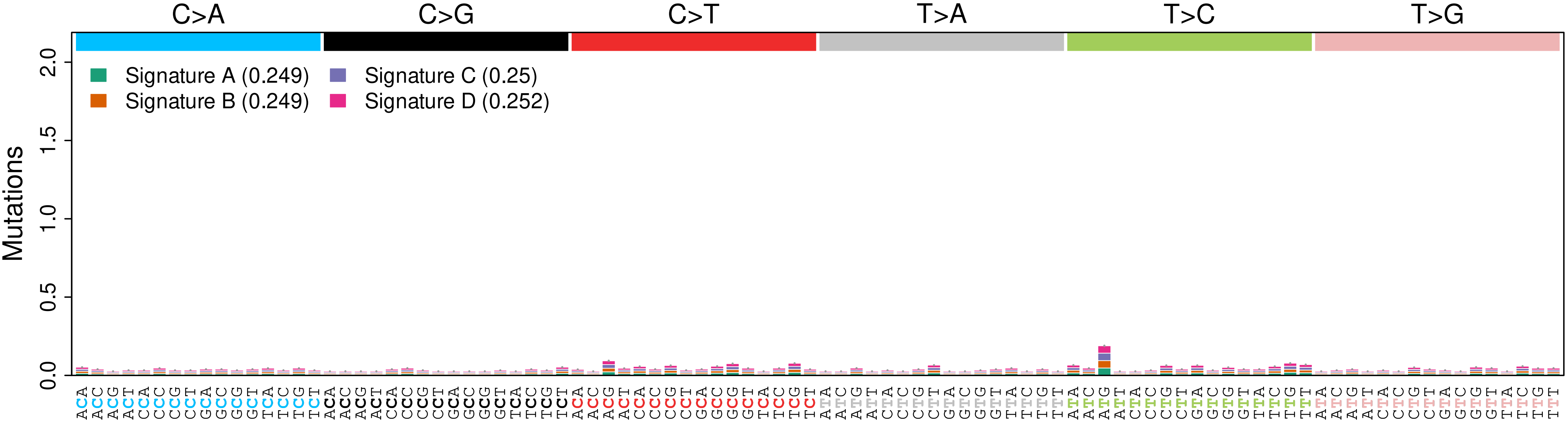
Reconstructed spectrum (cosine similarity = 0.165)

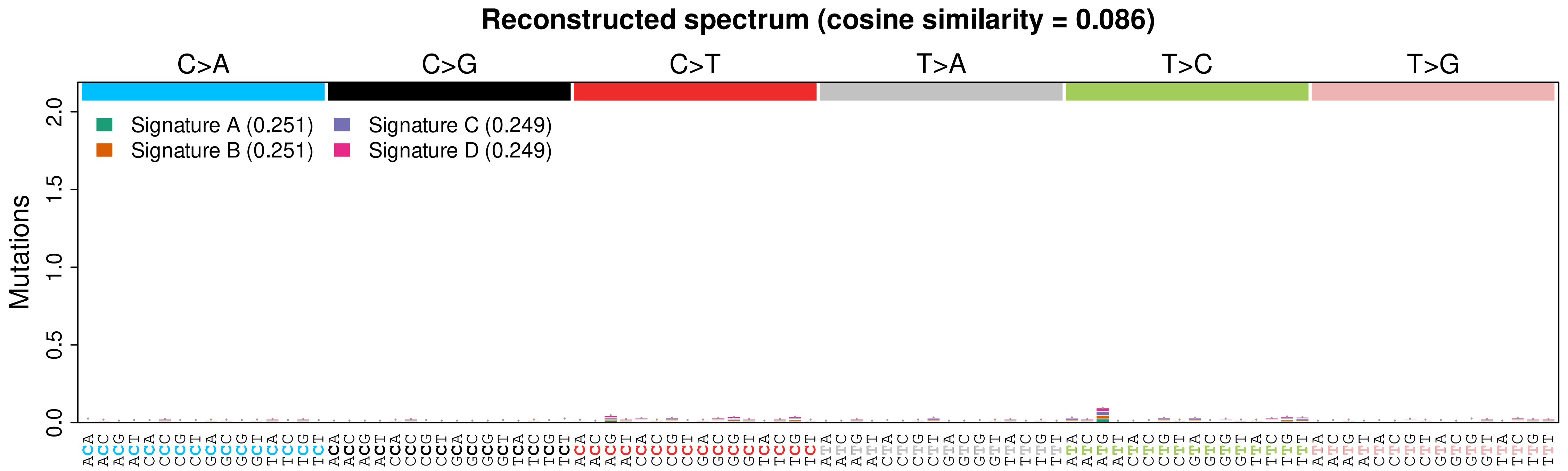
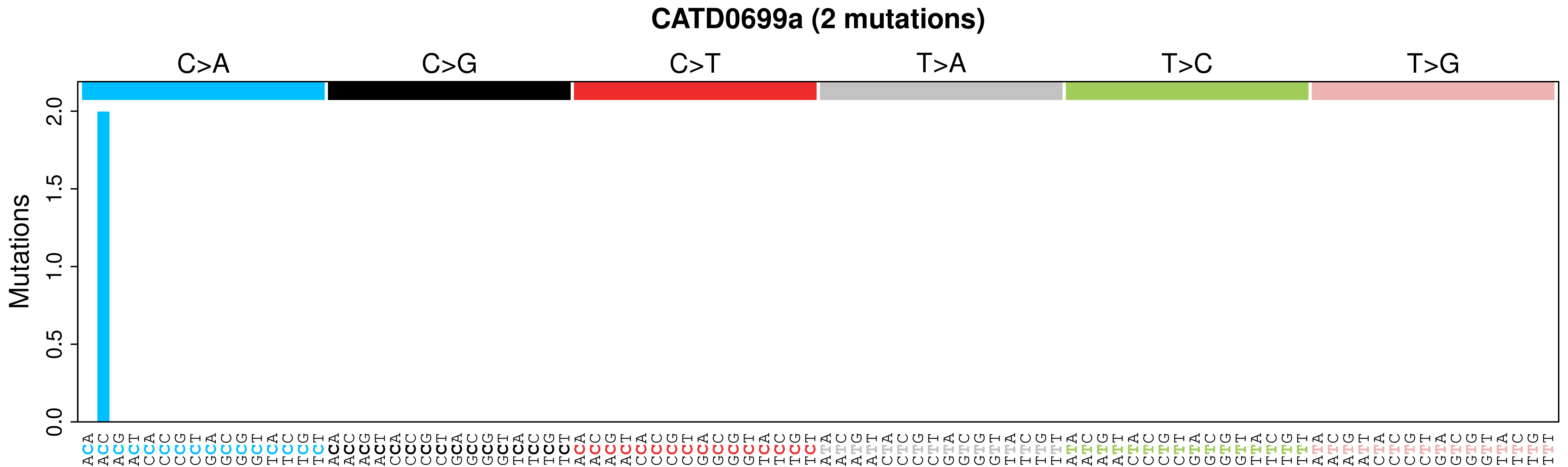


CATD0498a (5 mutations)

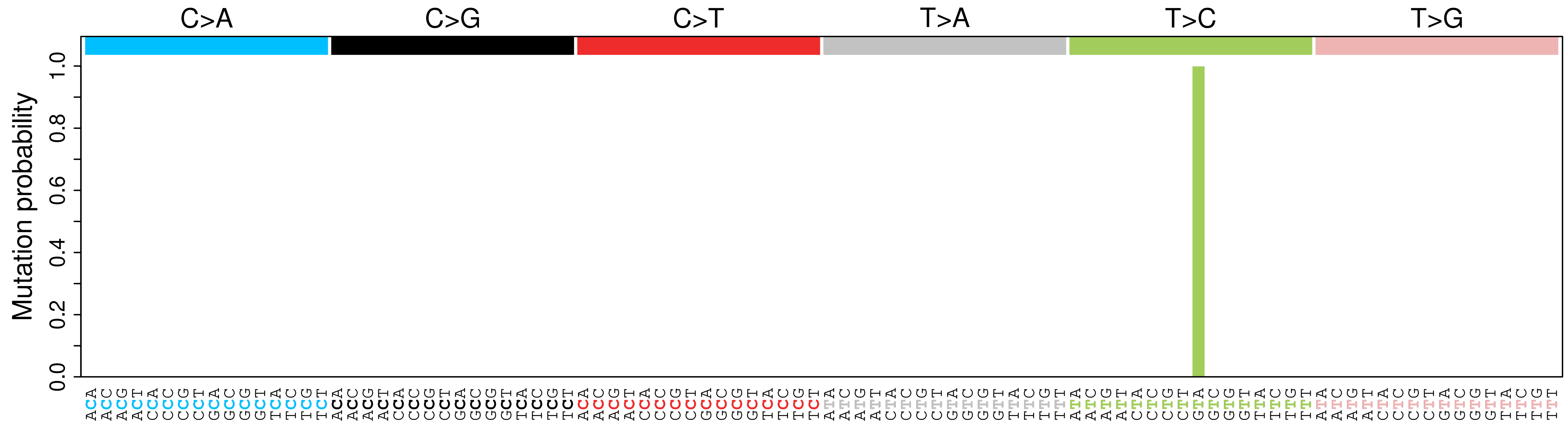


Reconstructed spectrum (cosine similarity = 0.24)





CATD0695a



Reconstructed spectrum (cosine similarity = 0.141)

