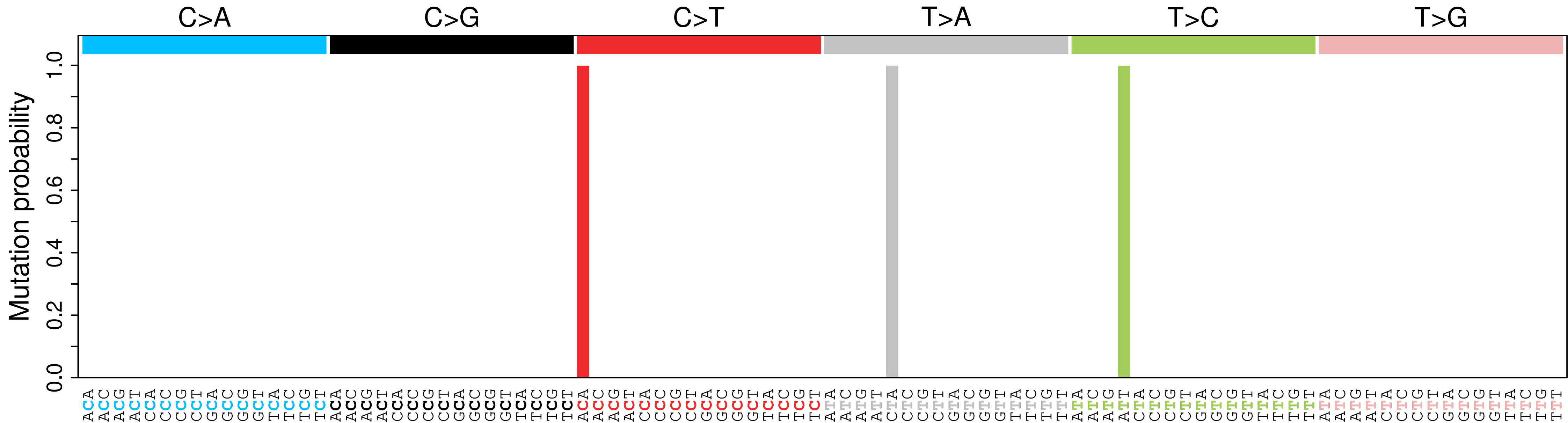
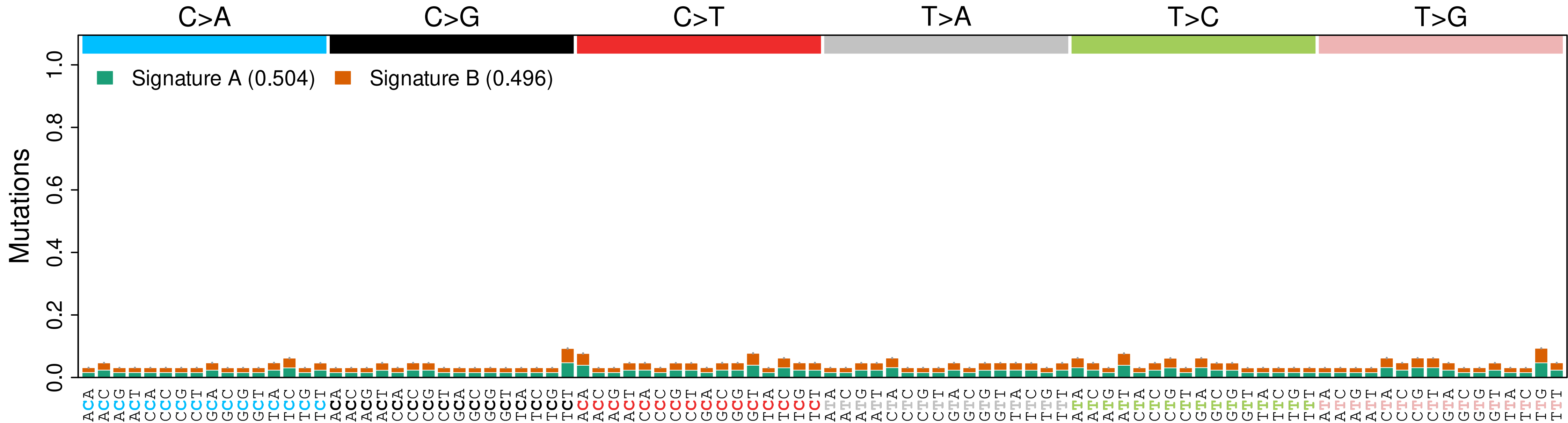


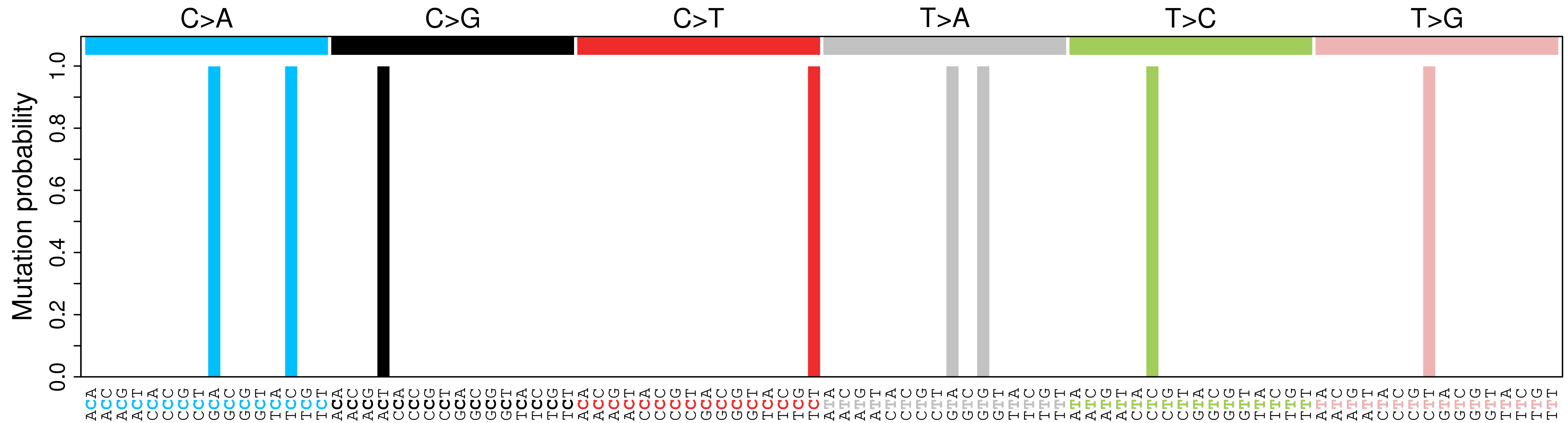
CATD343a



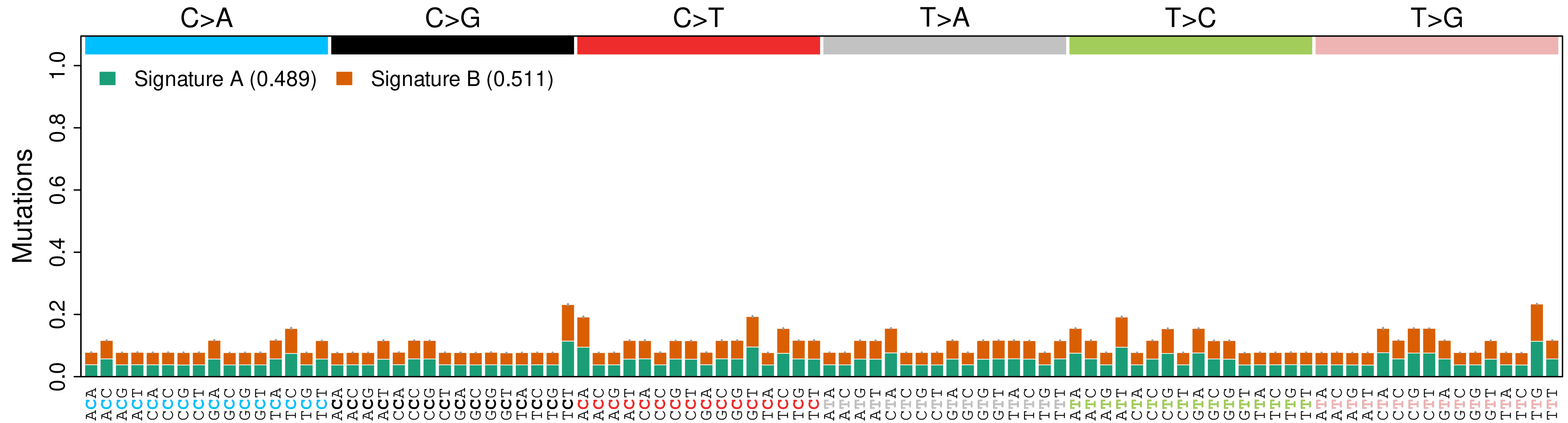
Reconstructed spectrum (cosine similarity = 0.289)



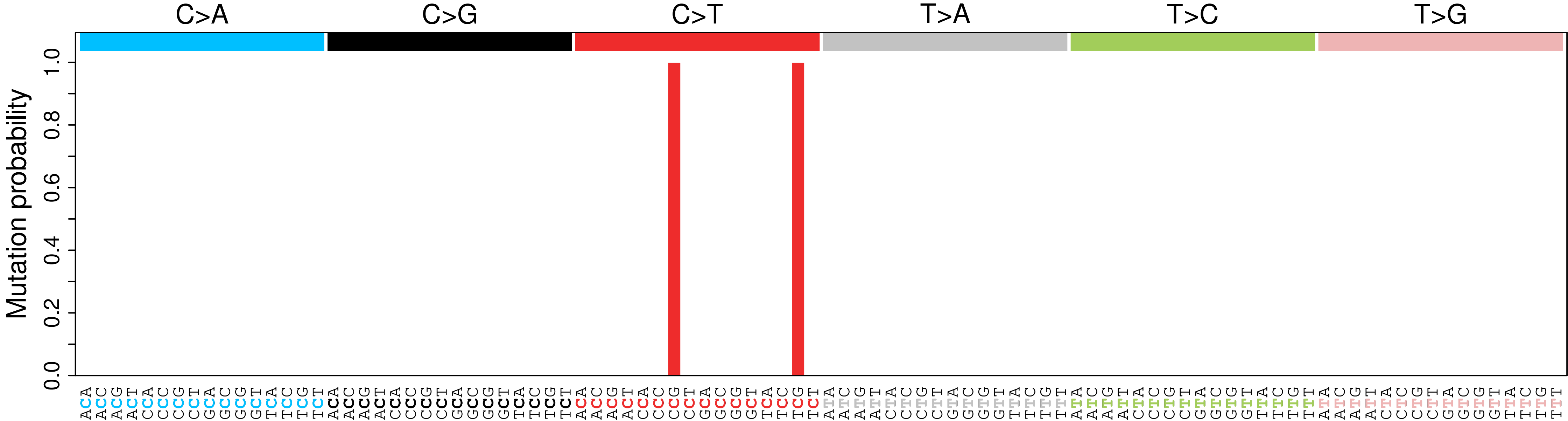
CATD336a



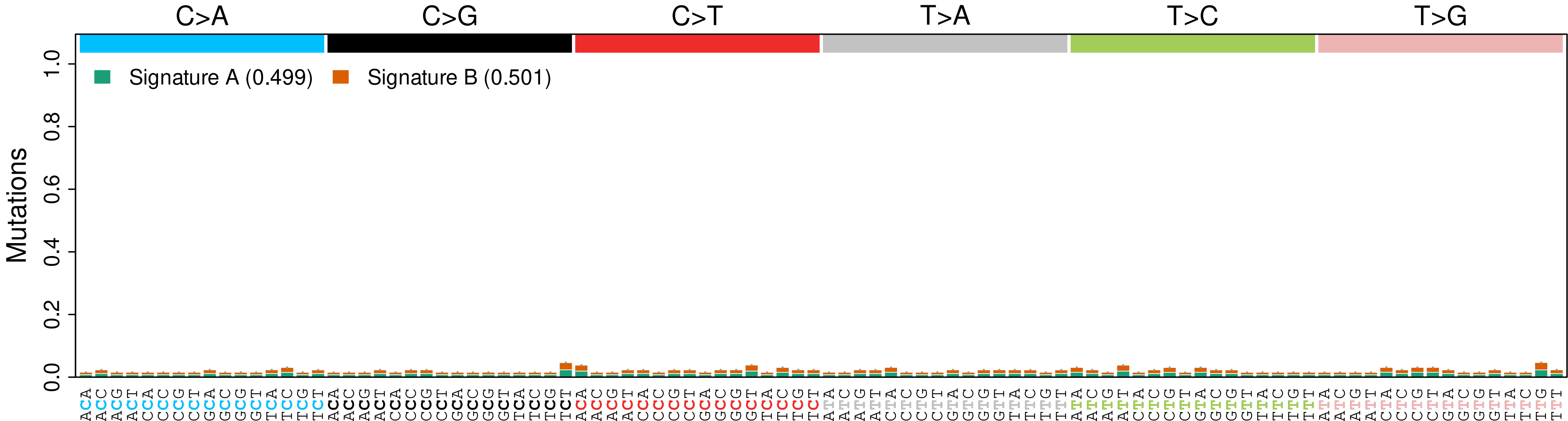
Reconstructed spectrum (cosine similarity = 0.331)



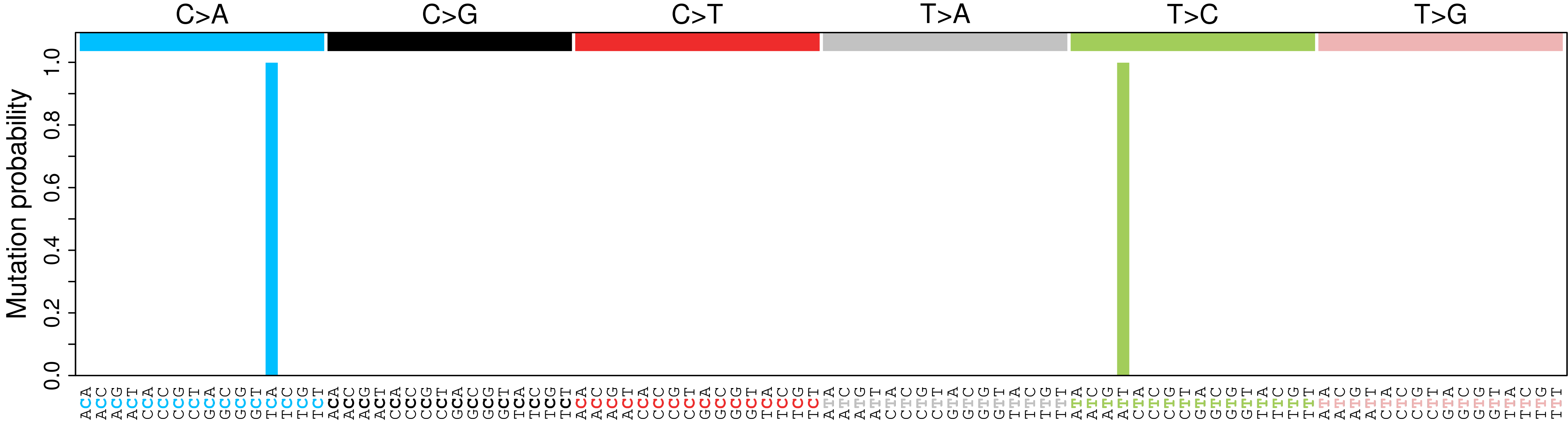
CATD0547a



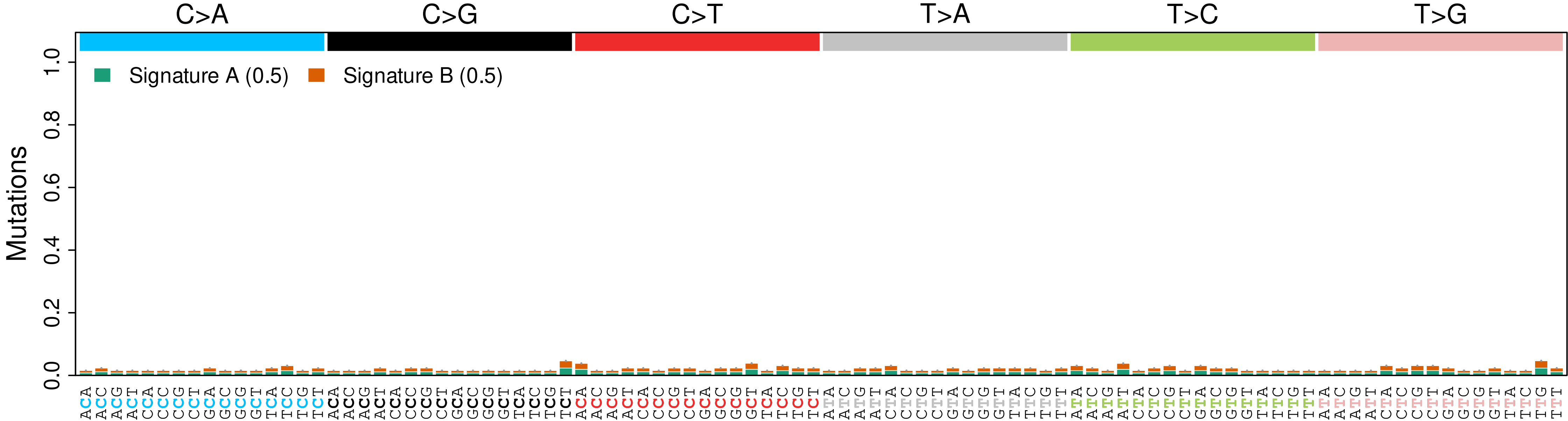
Reconstructed spectrum (cosine similarity = 0.153)



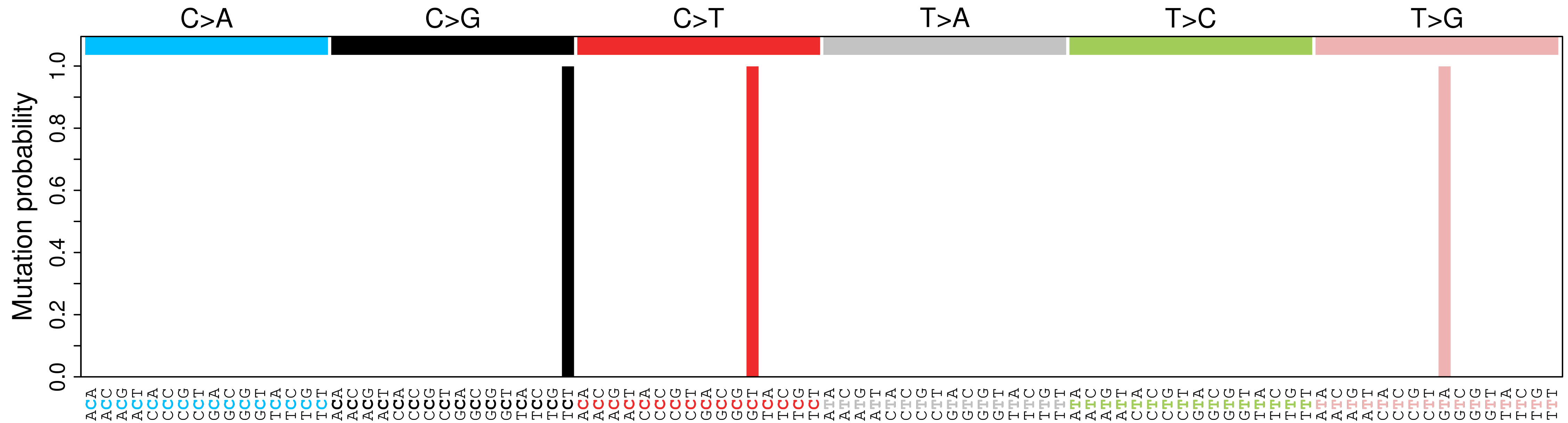
CATD0558a



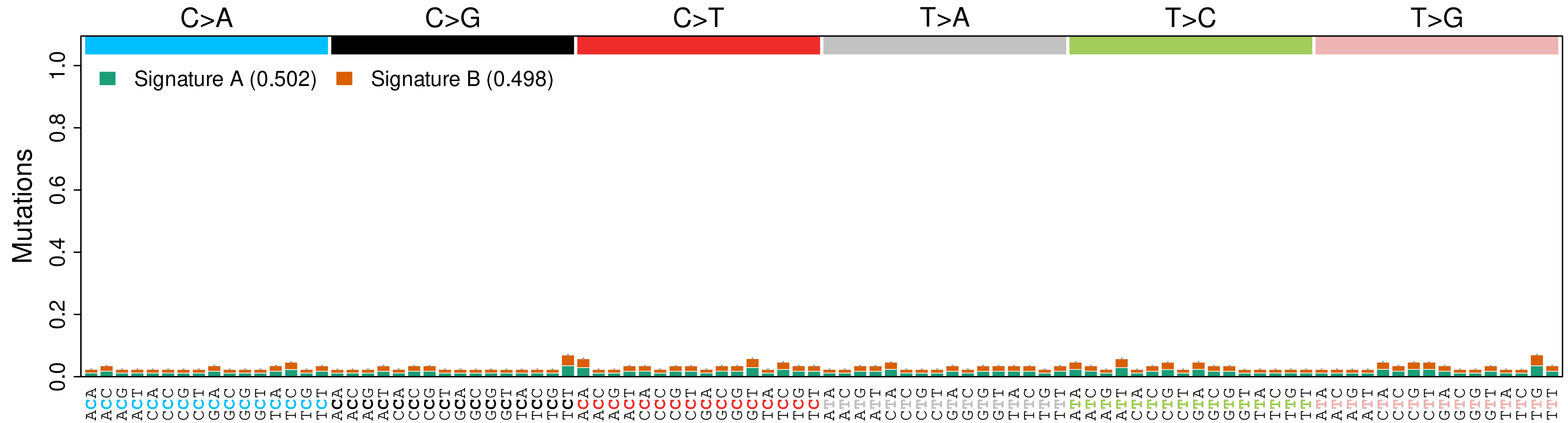
Reconstructed spectrum (cosine similarity = 0.203)



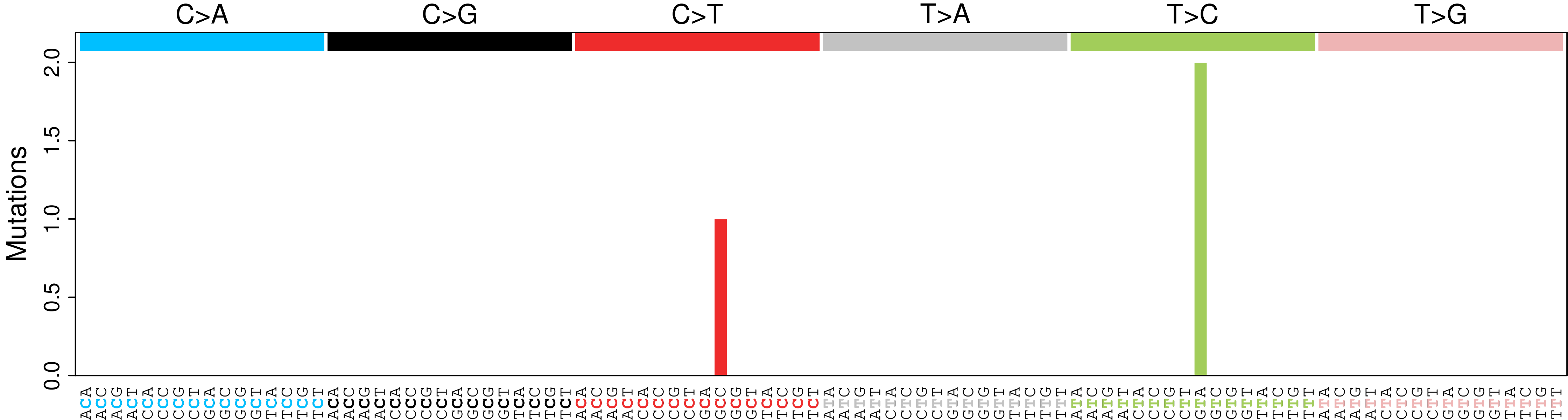
CATD337a



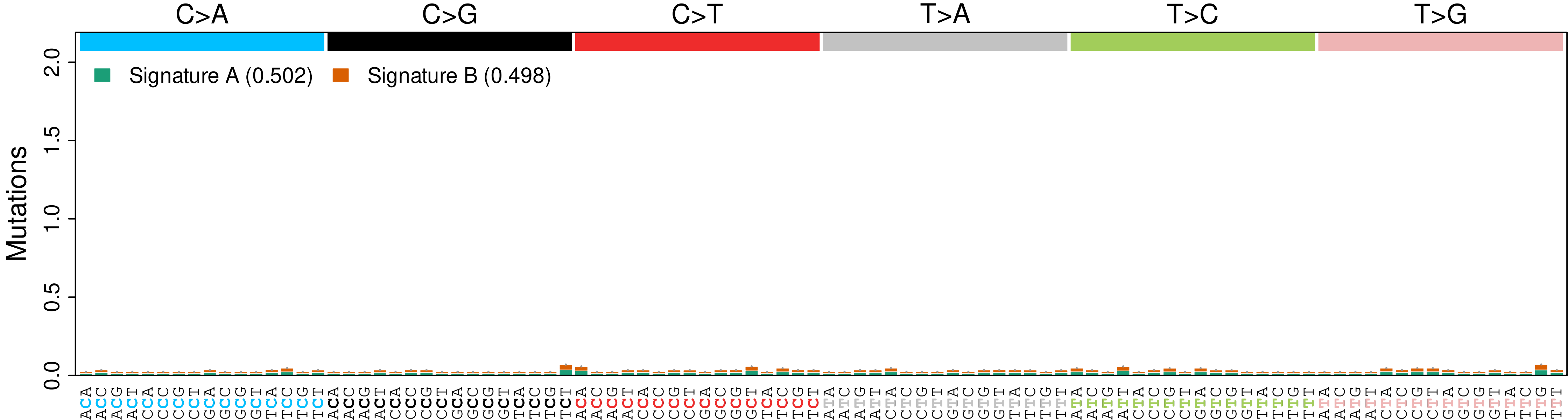
Reconstructed spectrum (cosine similarity = 0.29)



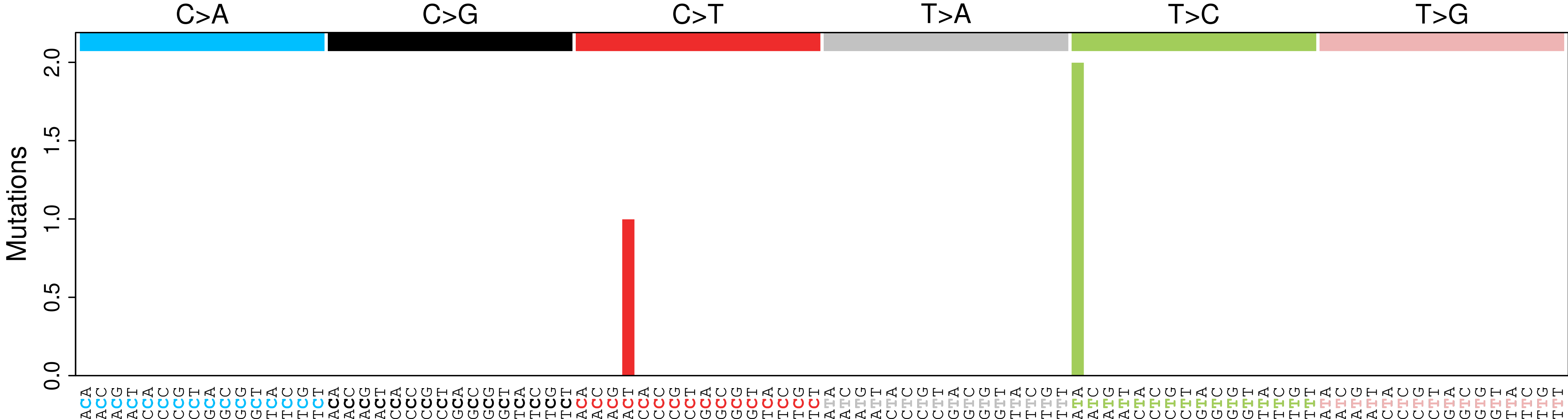
CATD331a (3 mutations)



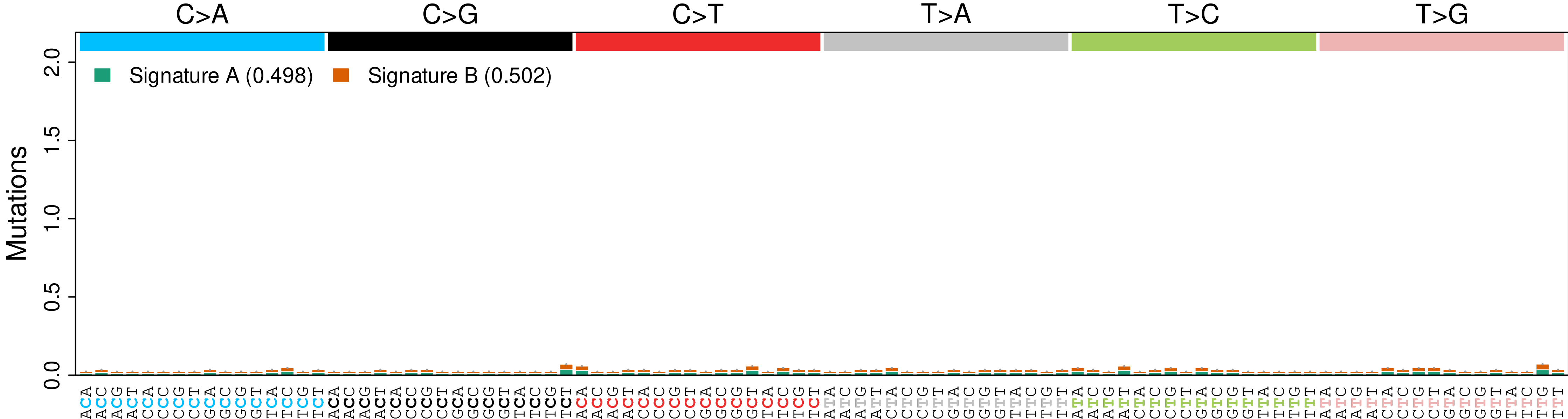
Reconstructed spectrum (cosine similarity = 0.177)



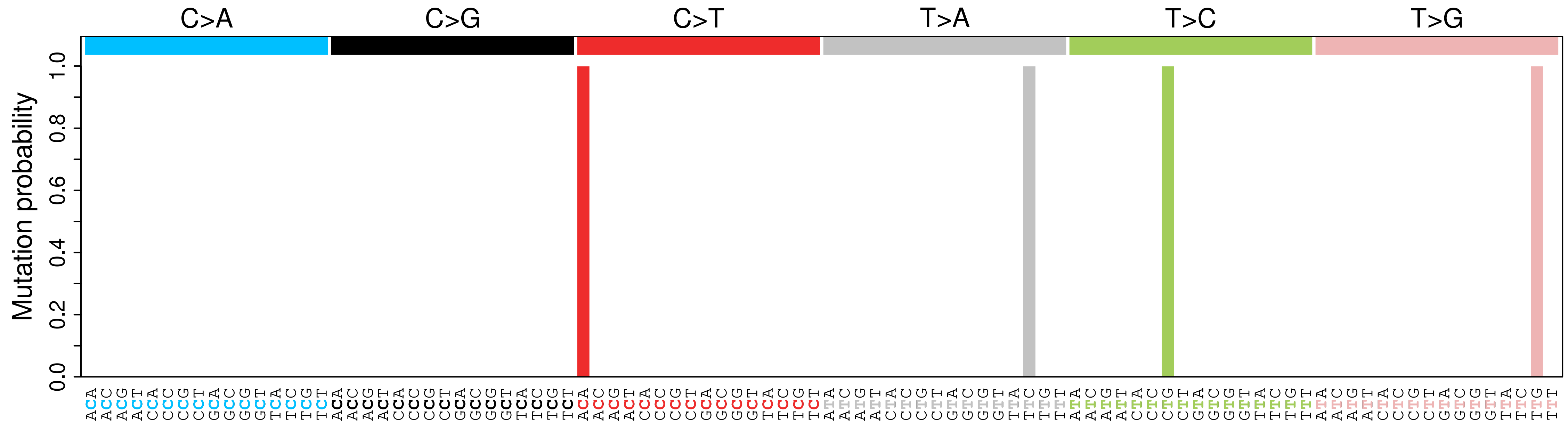
CATD0550a (3 mutations)



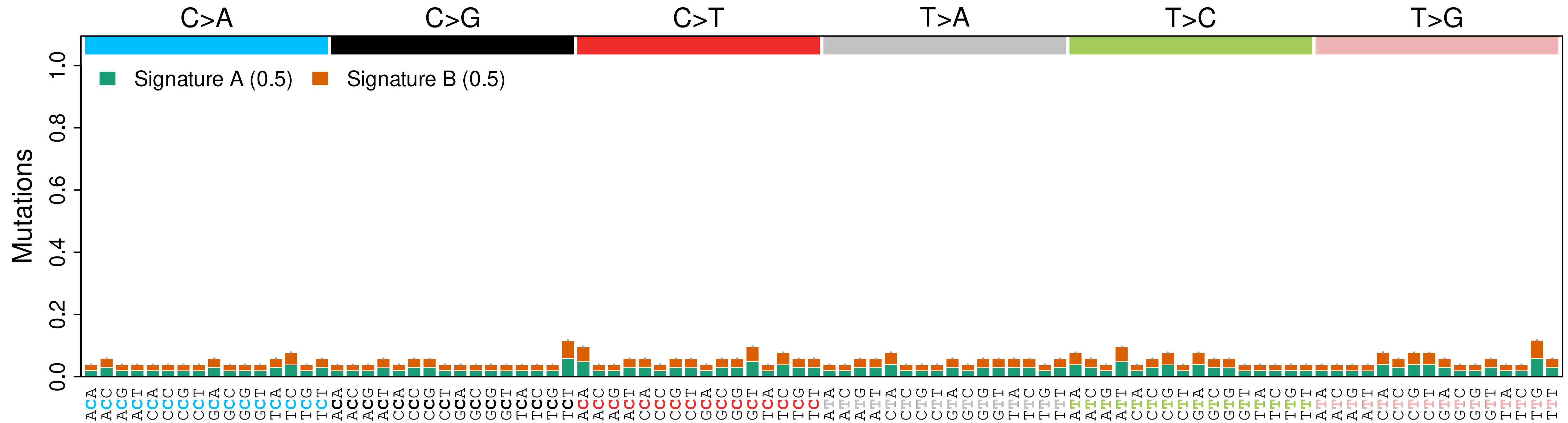
Reconstructed spectrum (cosine similarity = 0.177)



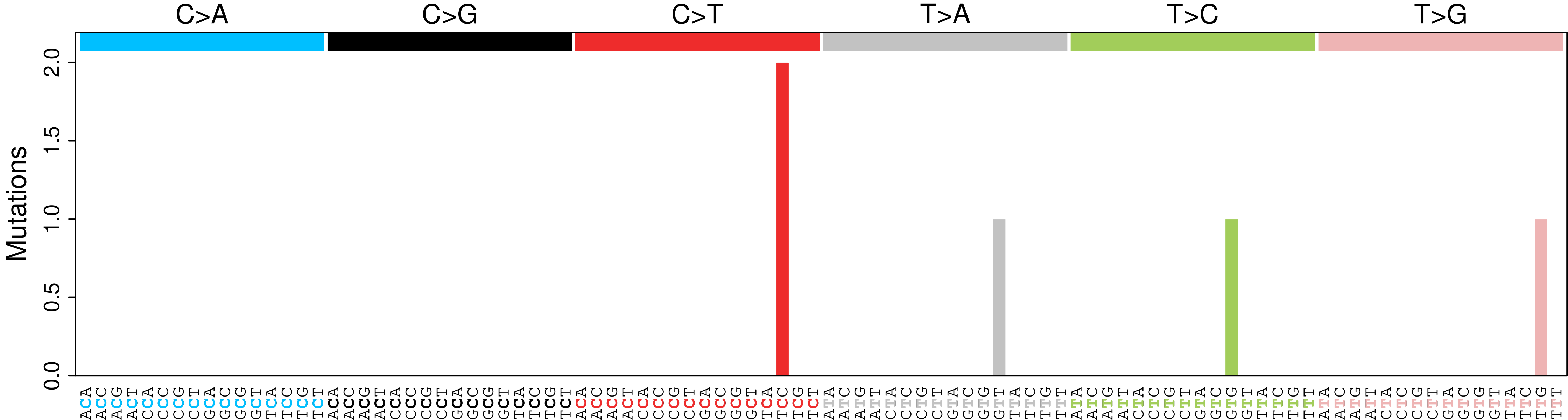
CATD334a



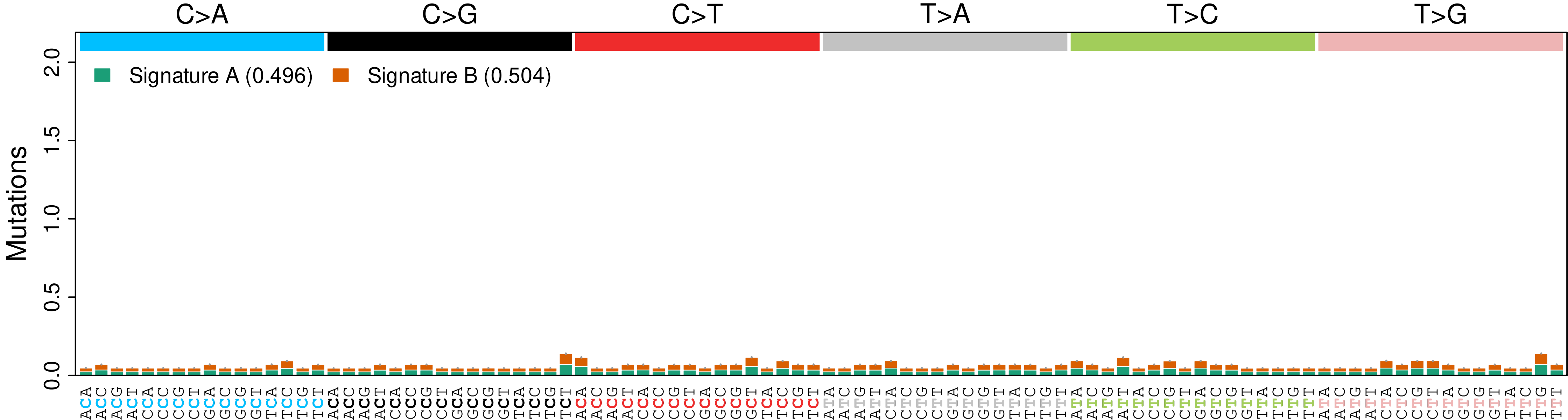
Reconstructed spectrum (cosine similarity = 0.322)



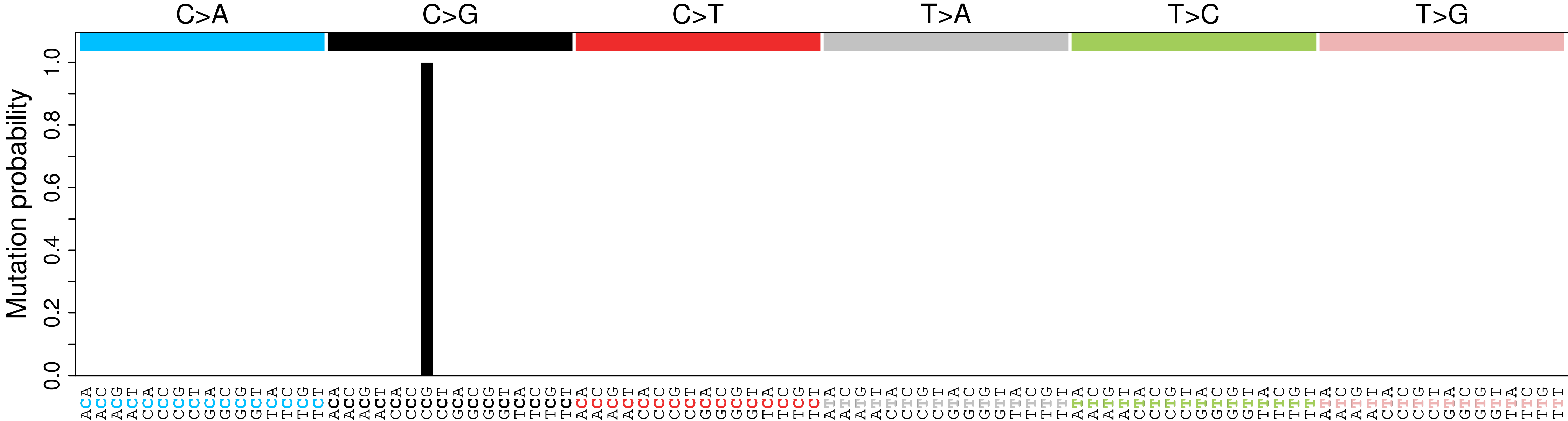
CATD0557a (5 mutations)



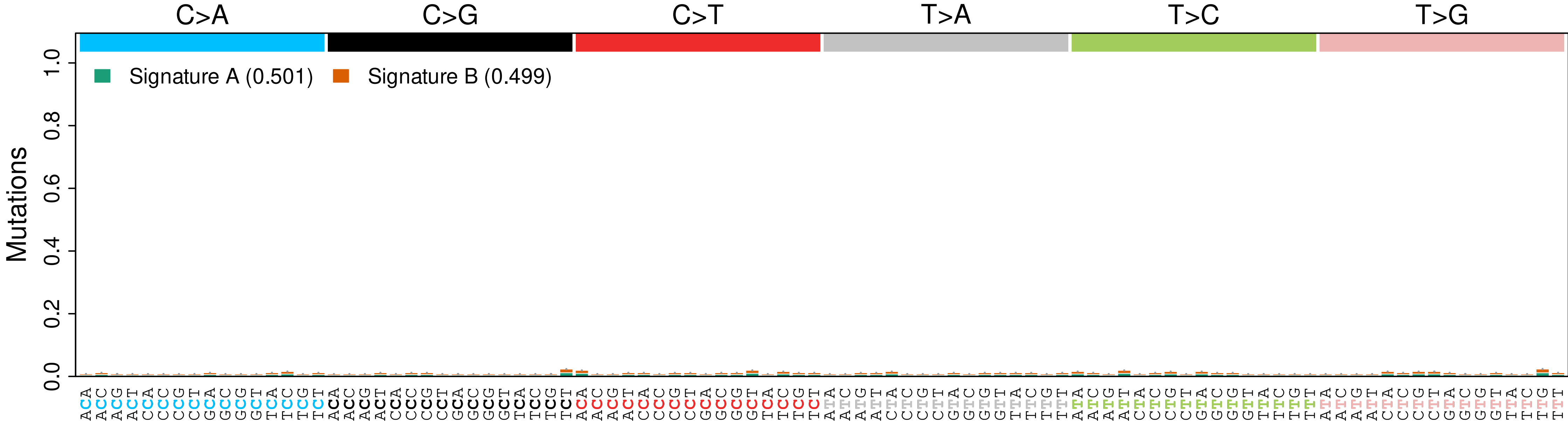
Reconstructed spectrum (cosine similarity = 0.272)



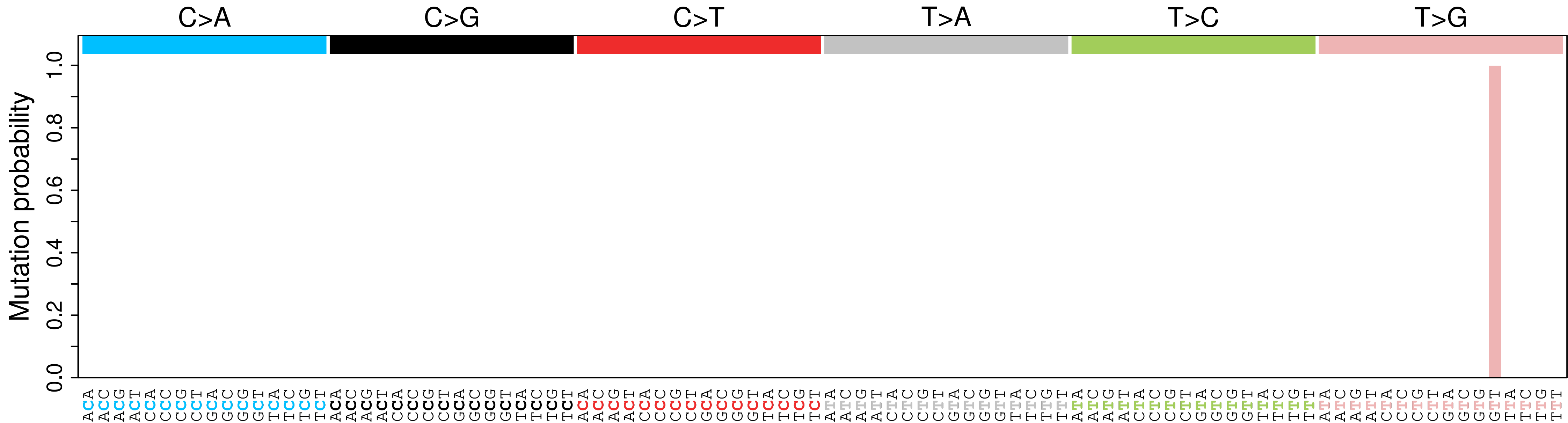
CATD0540a



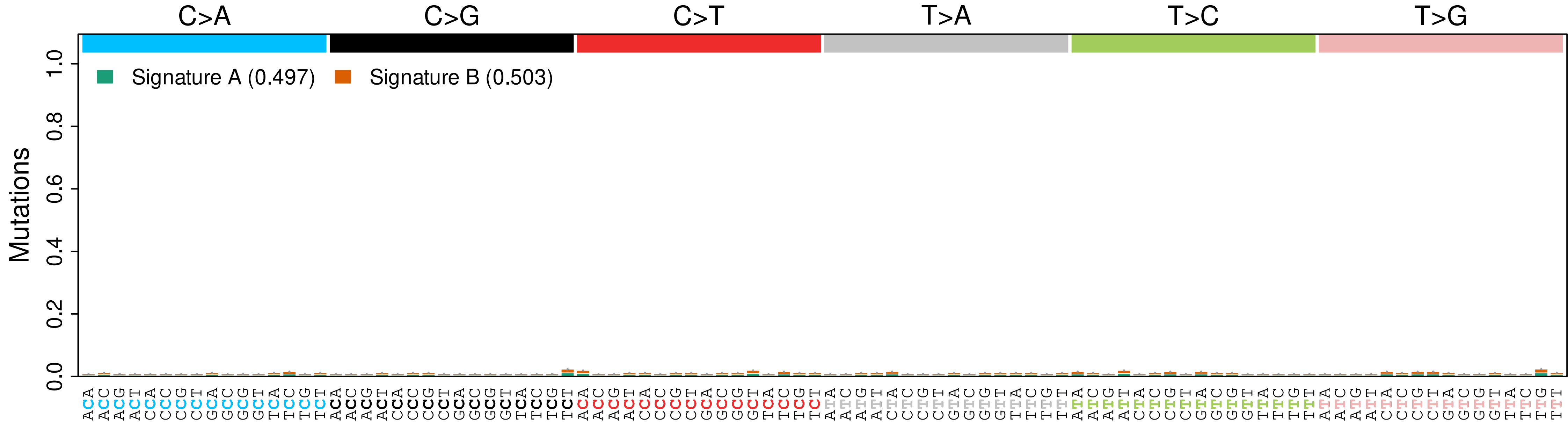
Reconstructed spectrum (cosine similarity = 0.108)



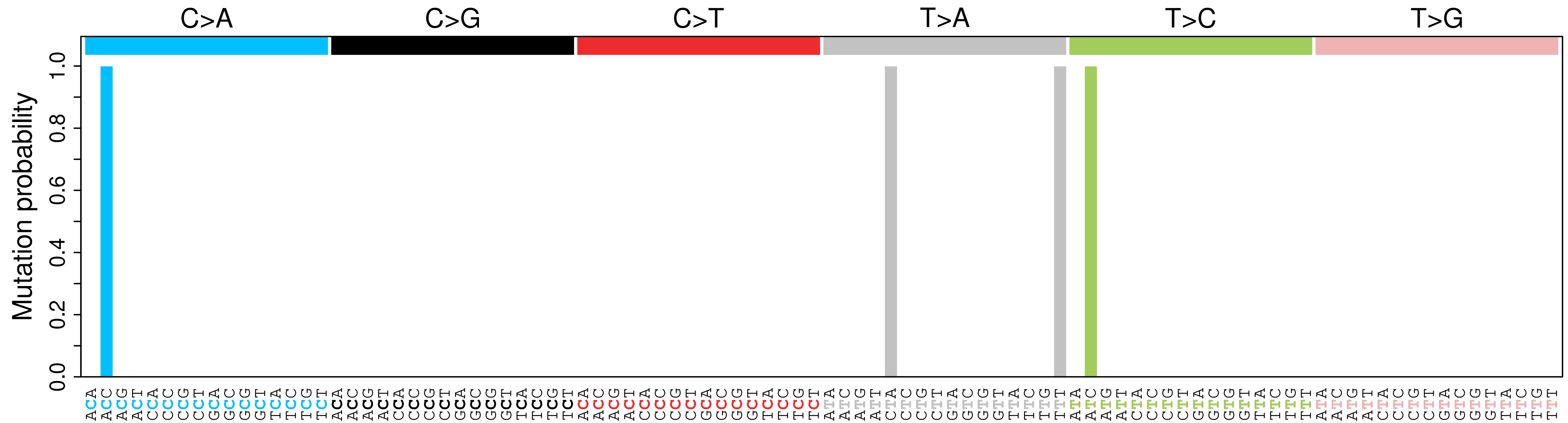
CATD344a



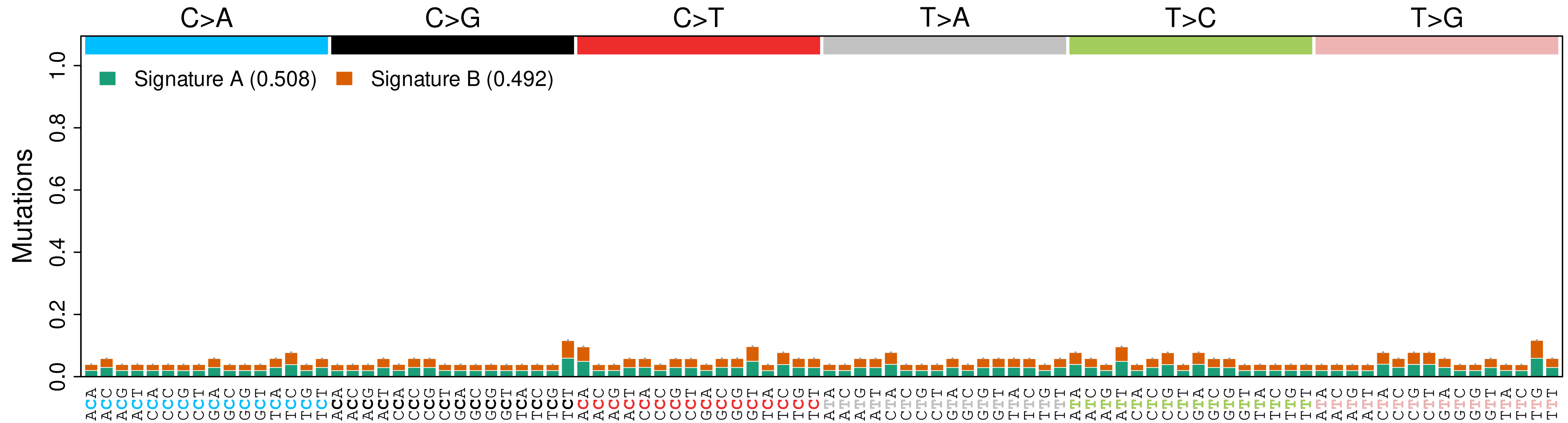
Reconstructed spectrum (cosine similarity = 0.107)



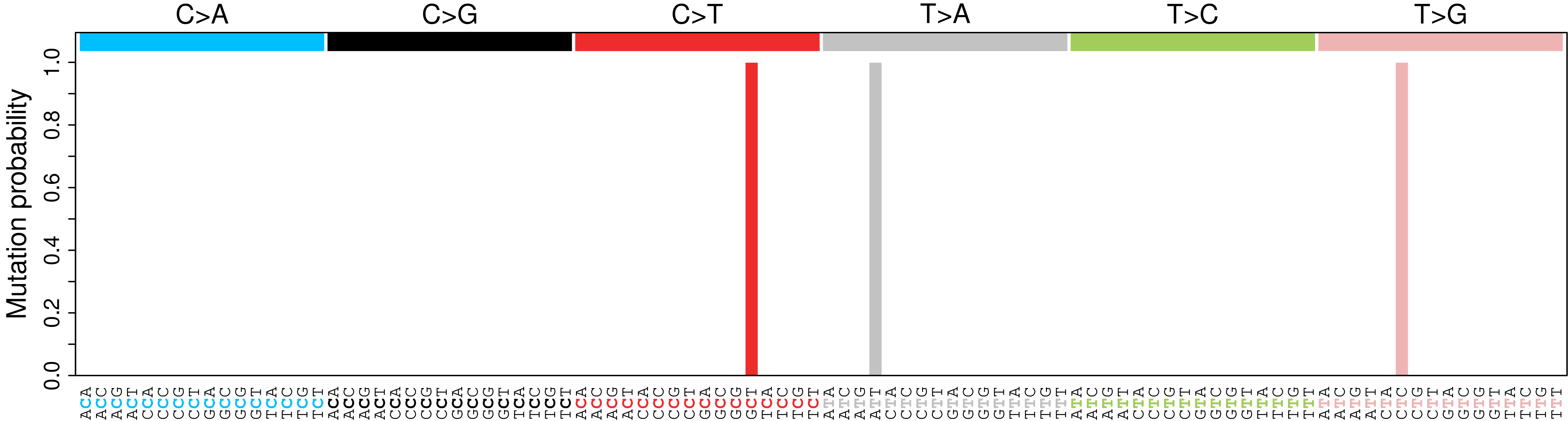
CATD0545a



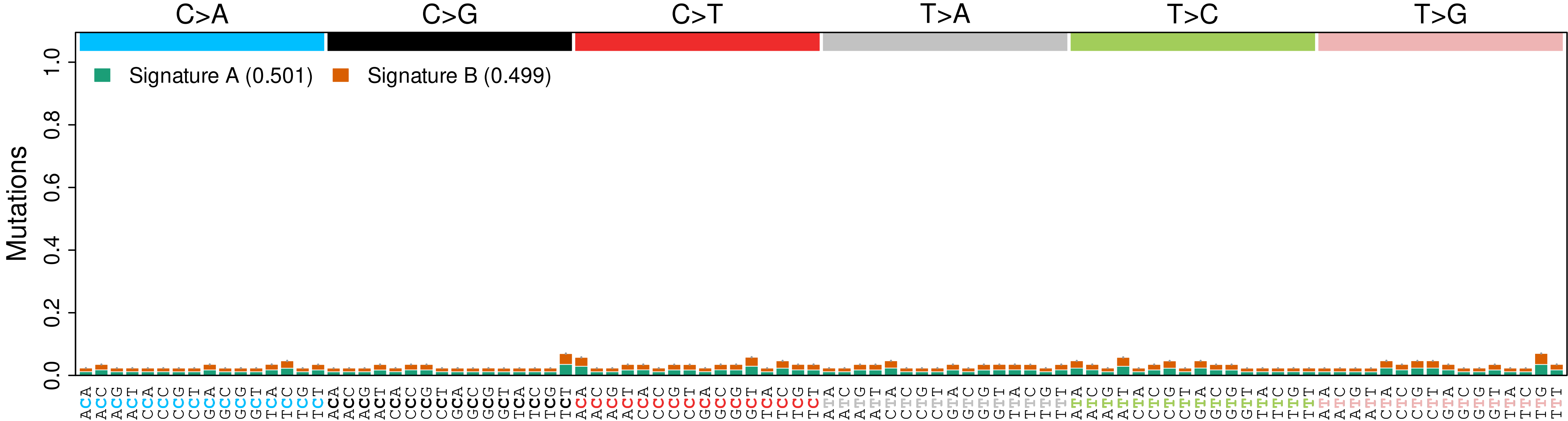
Reconstructed spectrum (cosine similarity = 0.234)



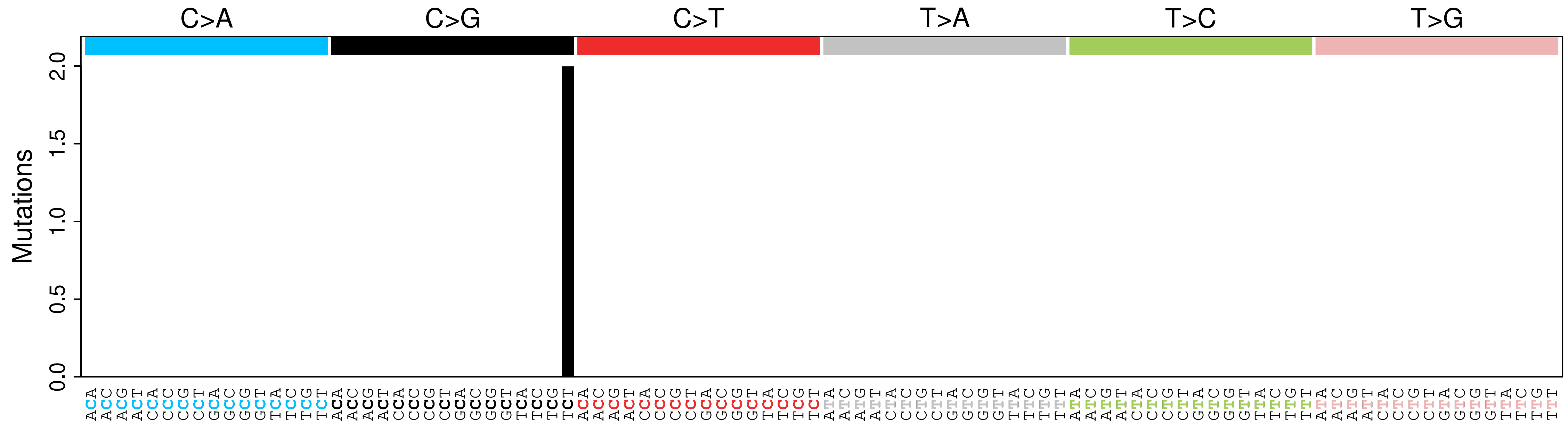
CATD0554a



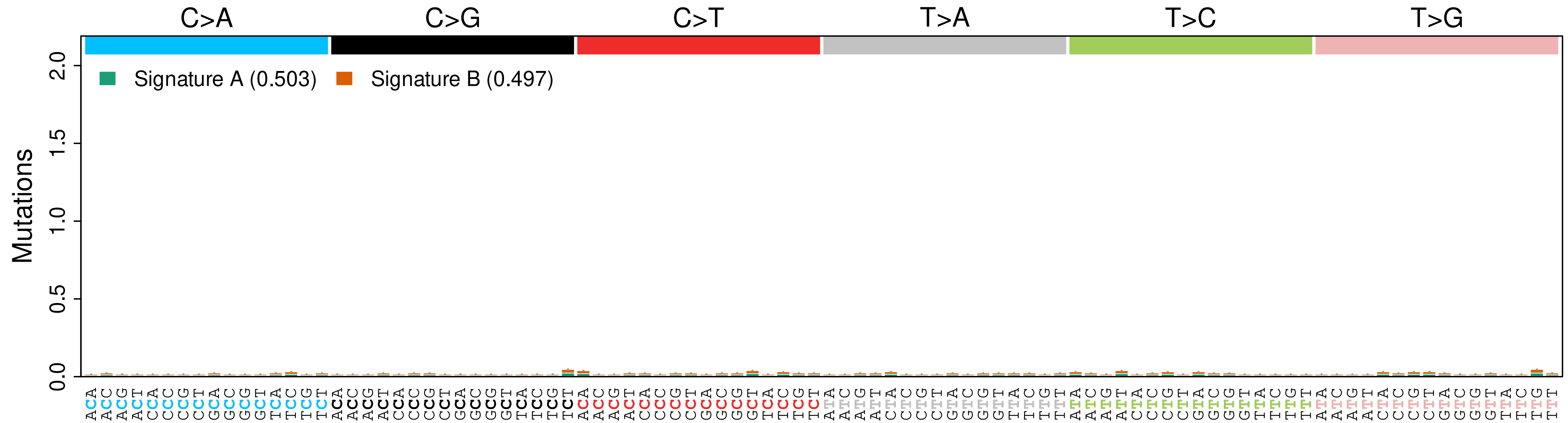
Reconstructed spectrum (cosine similarity = 0.228)



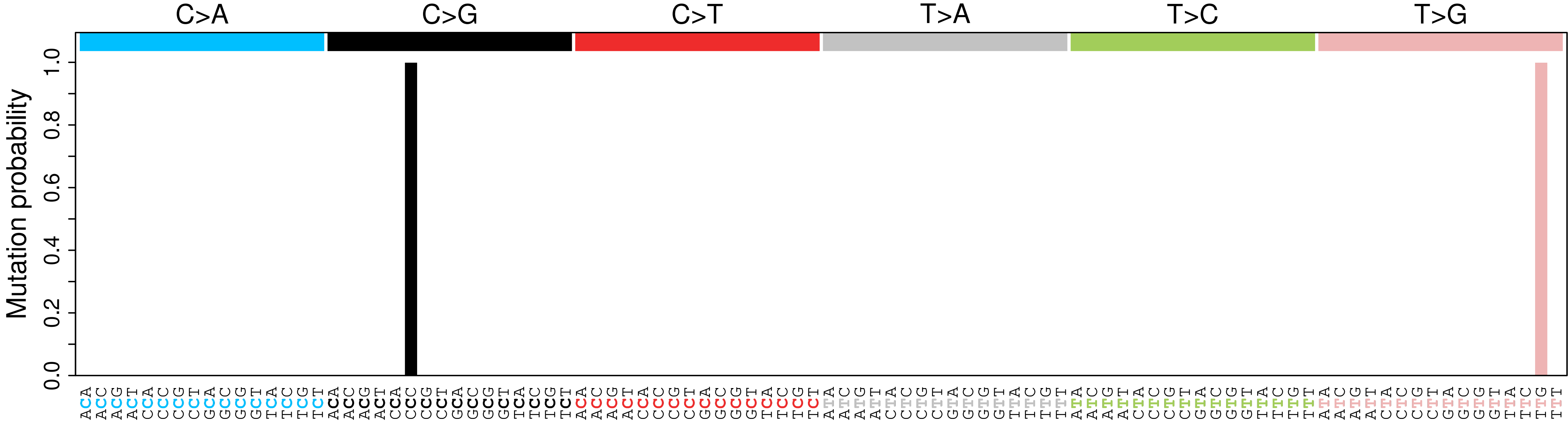
CATD0541a (2 mutations)



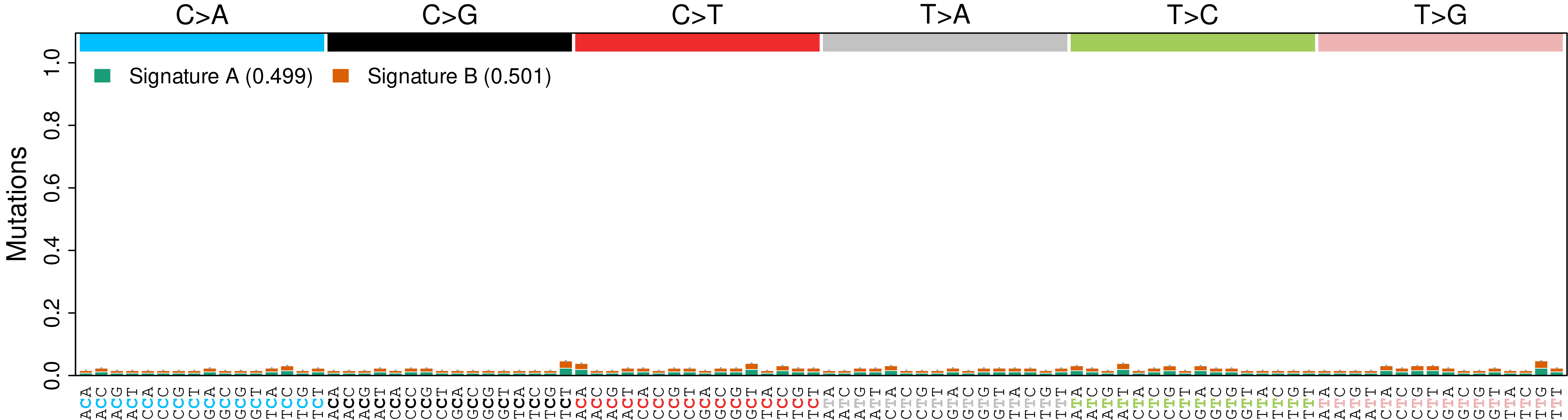
Reconstructed spectrum (cosine similarity = 0.215)



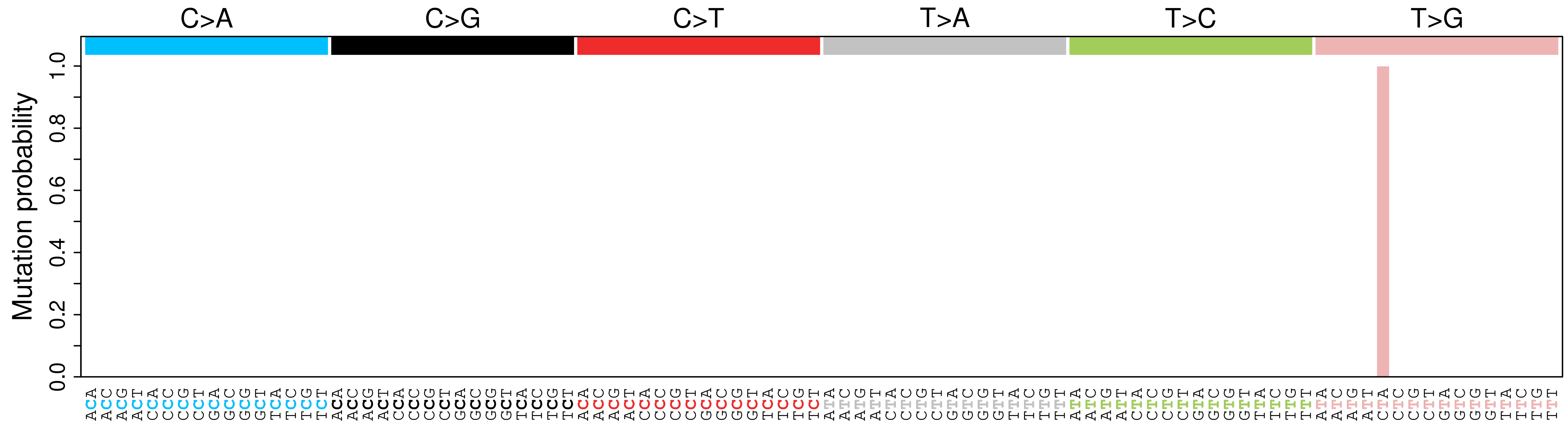
CATD0556a



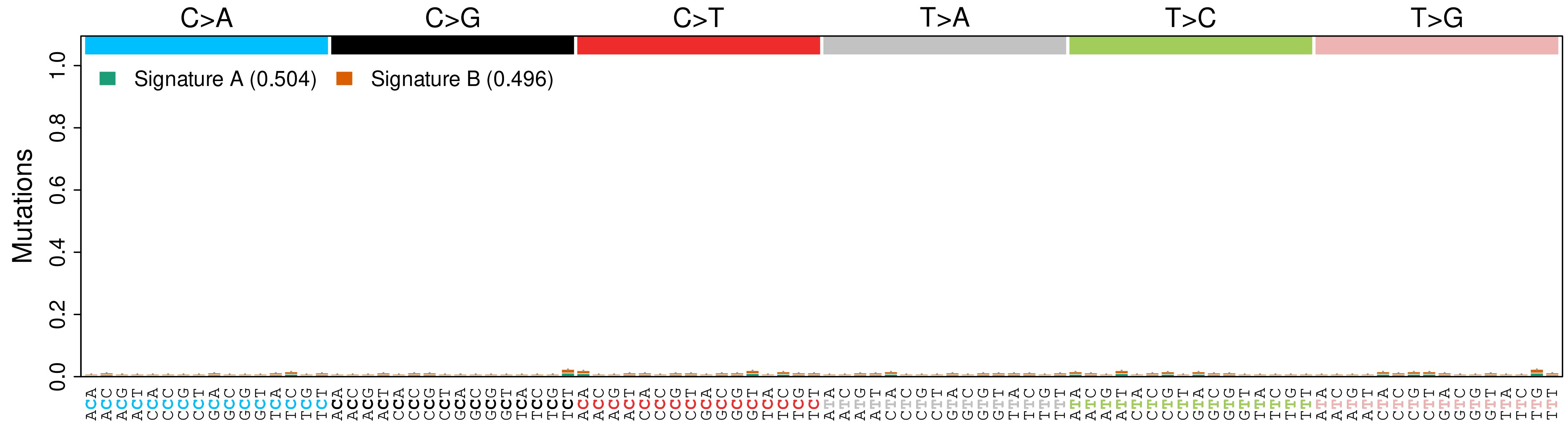
Reconstructed spectrum (cosine similarity = 0.23)



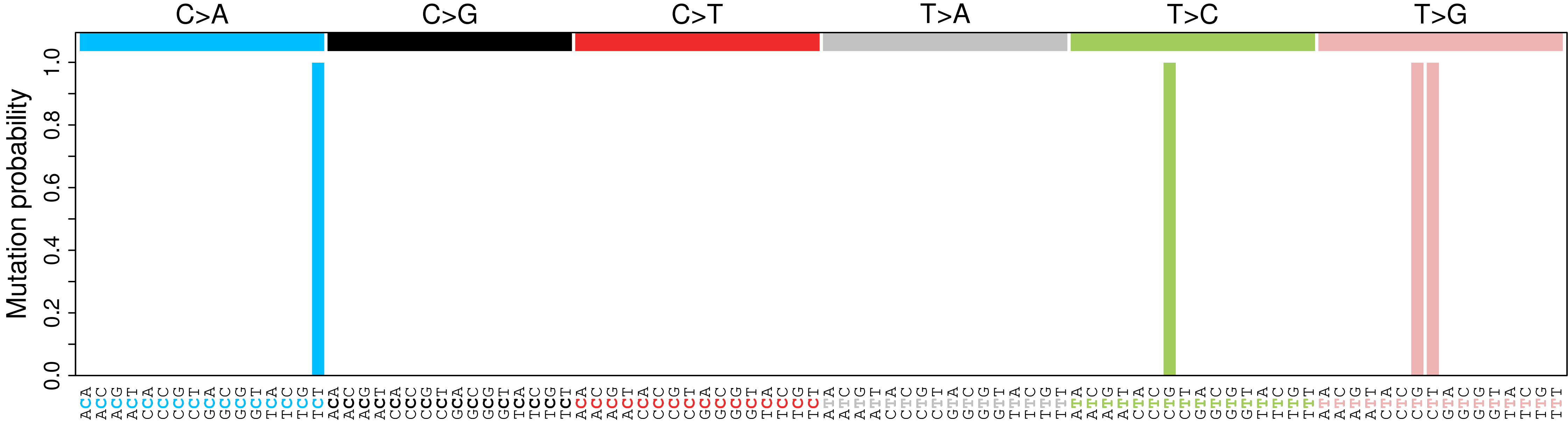
CATD335a



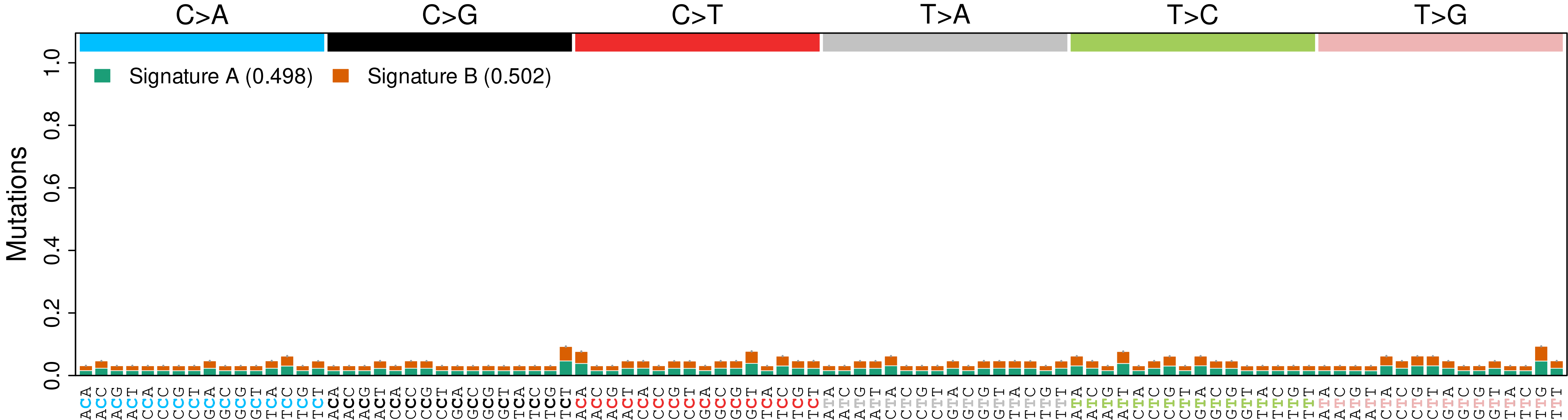
Reconstructed spectrum (cosine similarity = 0.144)



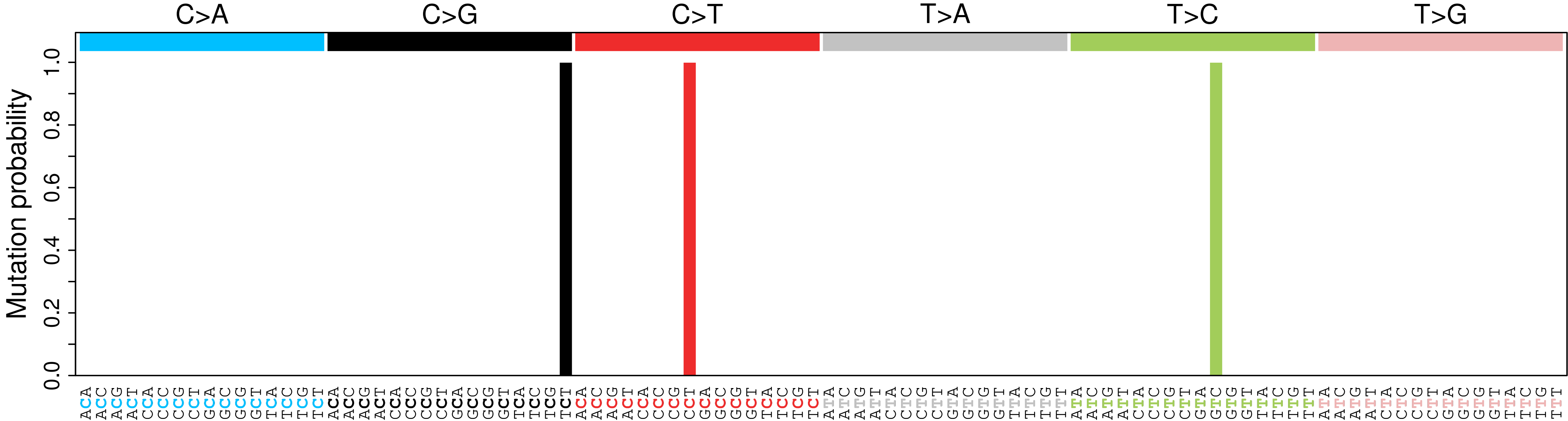
CATD0546a



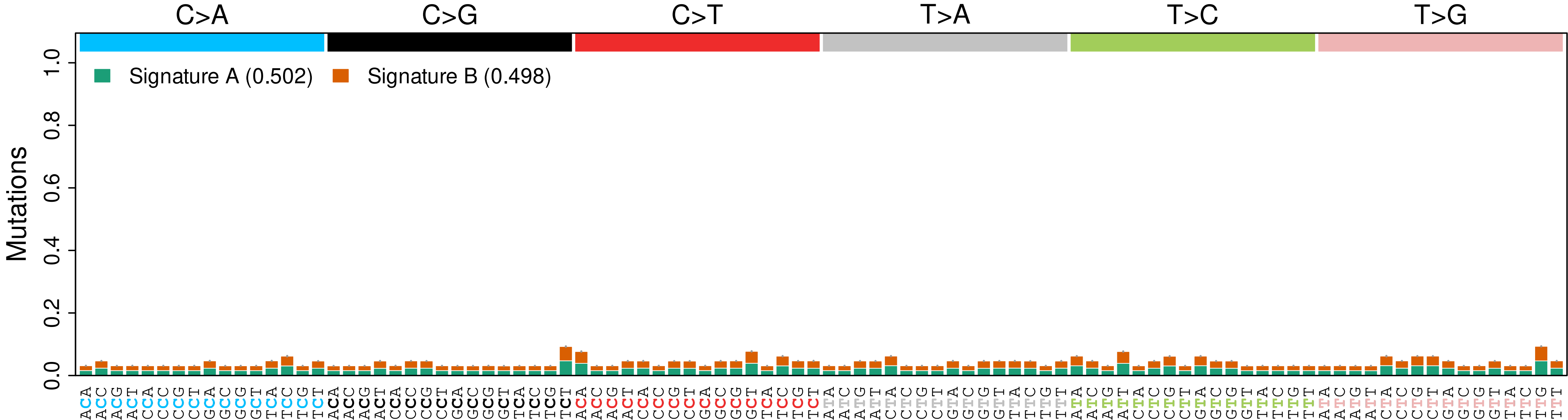
Reconstructed spectrum (cosine similarity = 0.269)



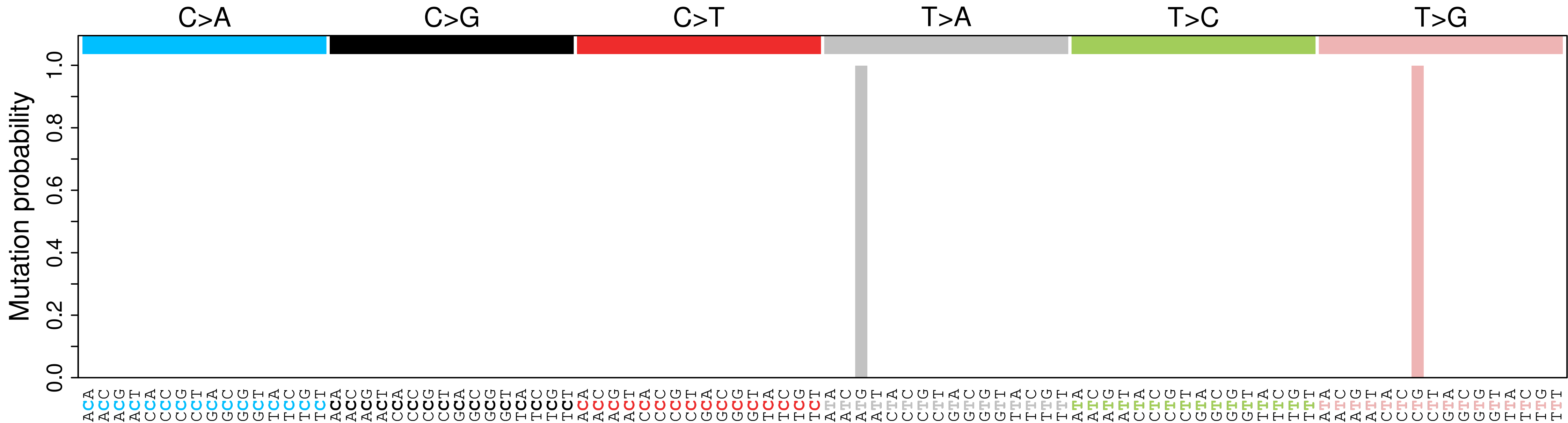
CATD0542a



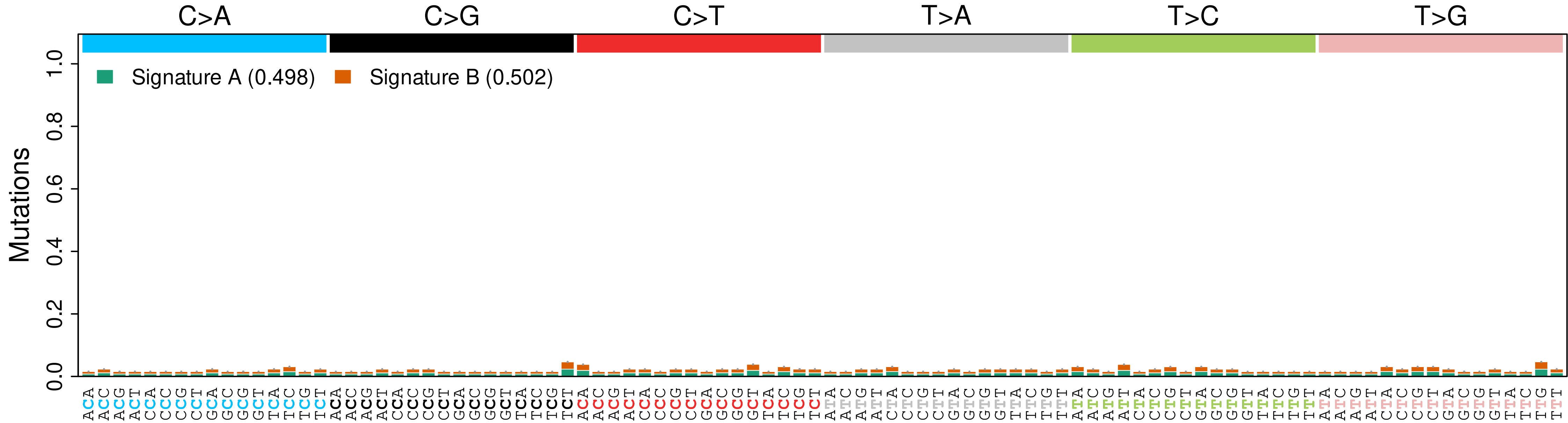
Reconstructed spectrum (cosine similarity = 0.248)



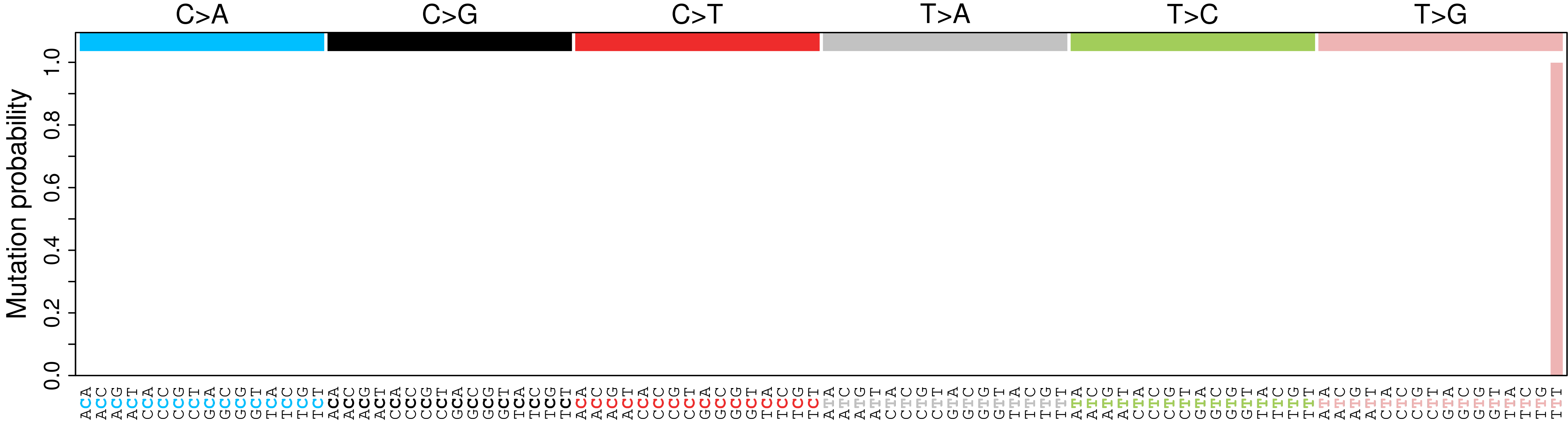
CATD338a



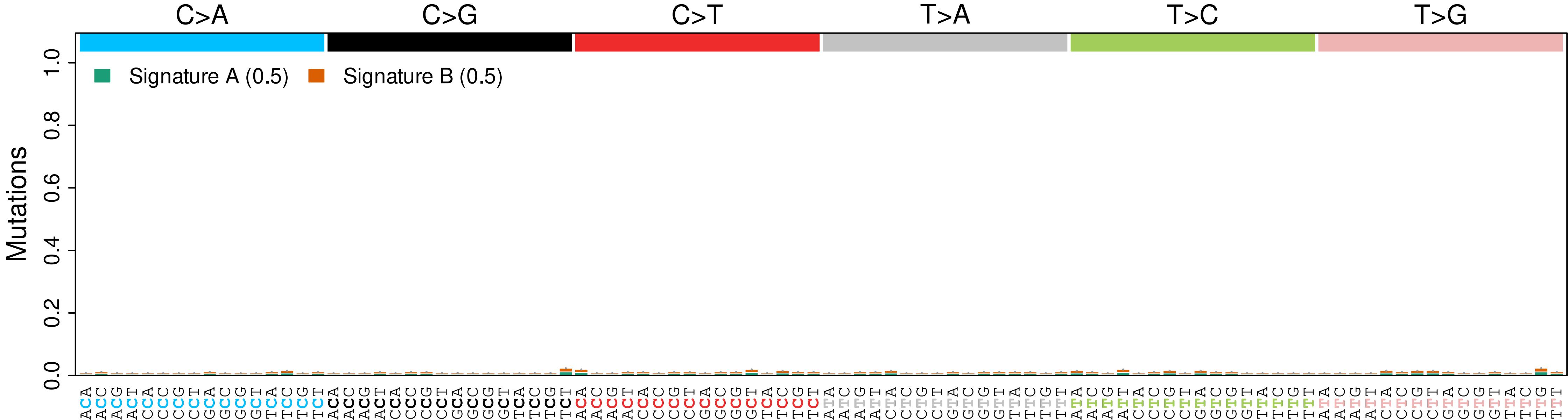
Reconstructed spectrum (cosine similarity = 0.178)



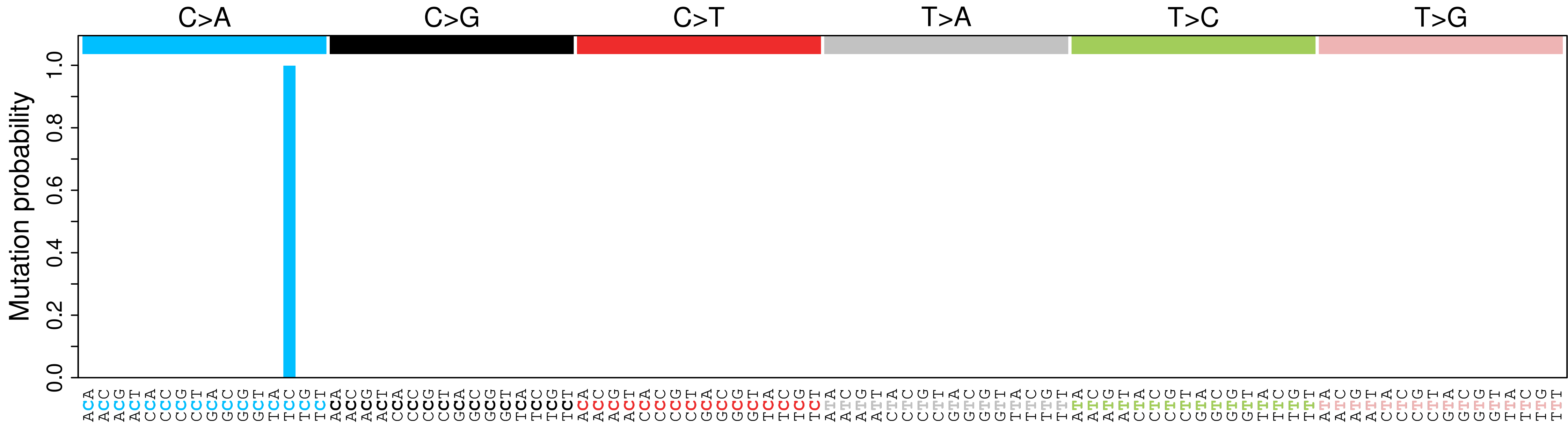
CATD332a



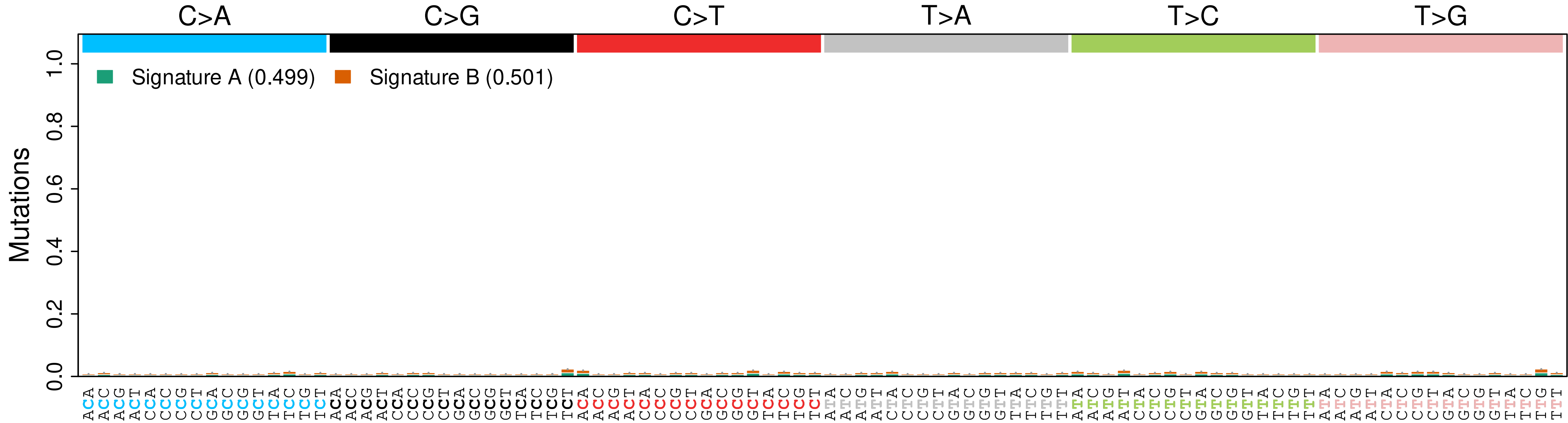
Reconstructed spectrum (cosine similarity = 0.108)



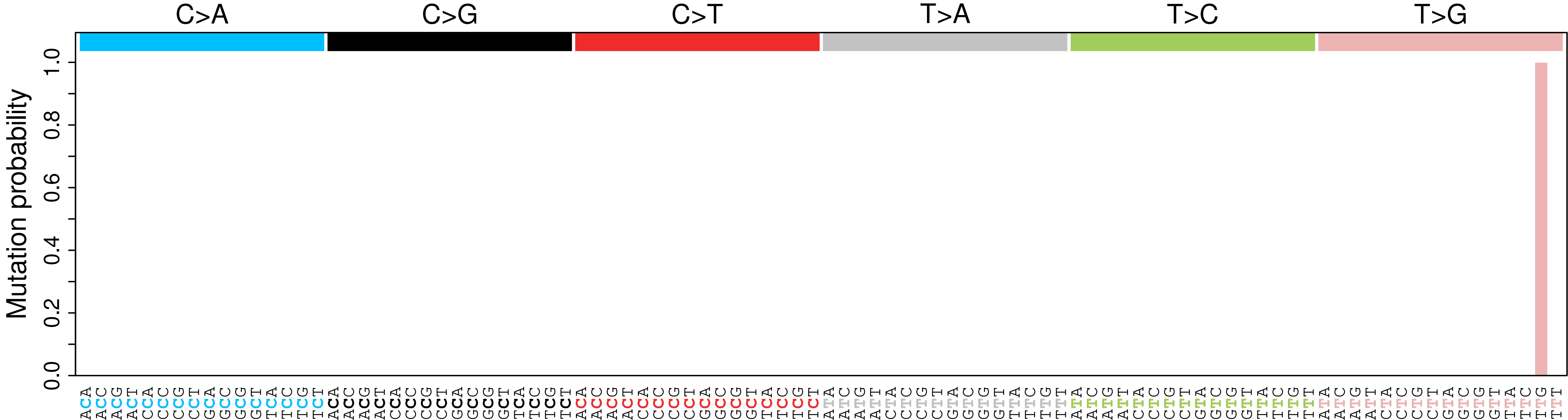
CATD339a



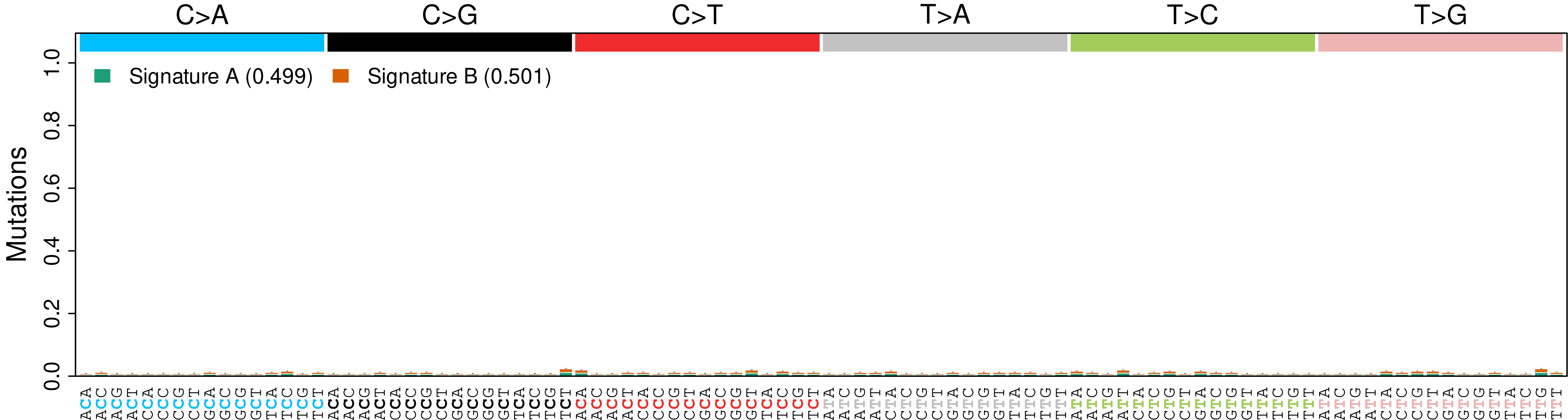
Reconstructed spectrum (cosine similarity = 0.144)



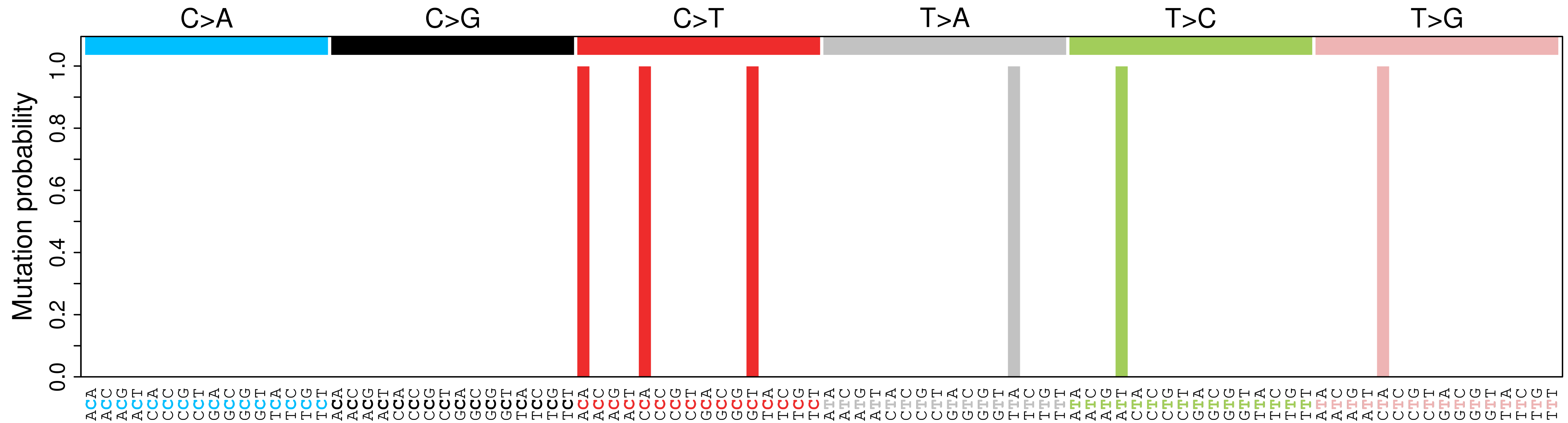
CATD0555a



Reconstructed spectrum (cosine similarity = 0.217)



CATD345a



Reconstructed spectrum (cosine similarity = 0.365)

