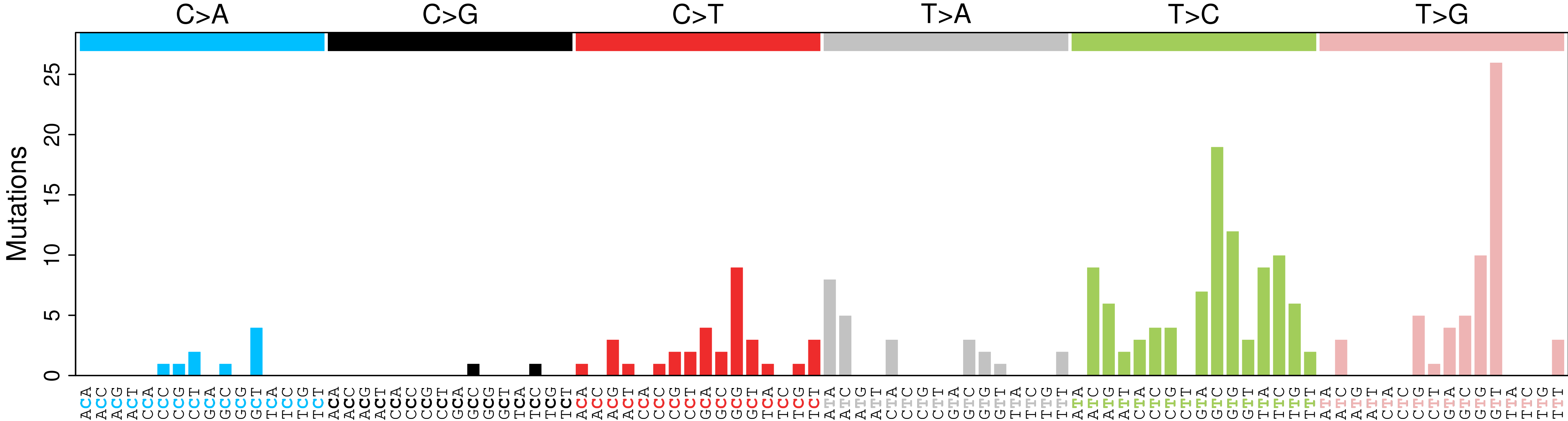
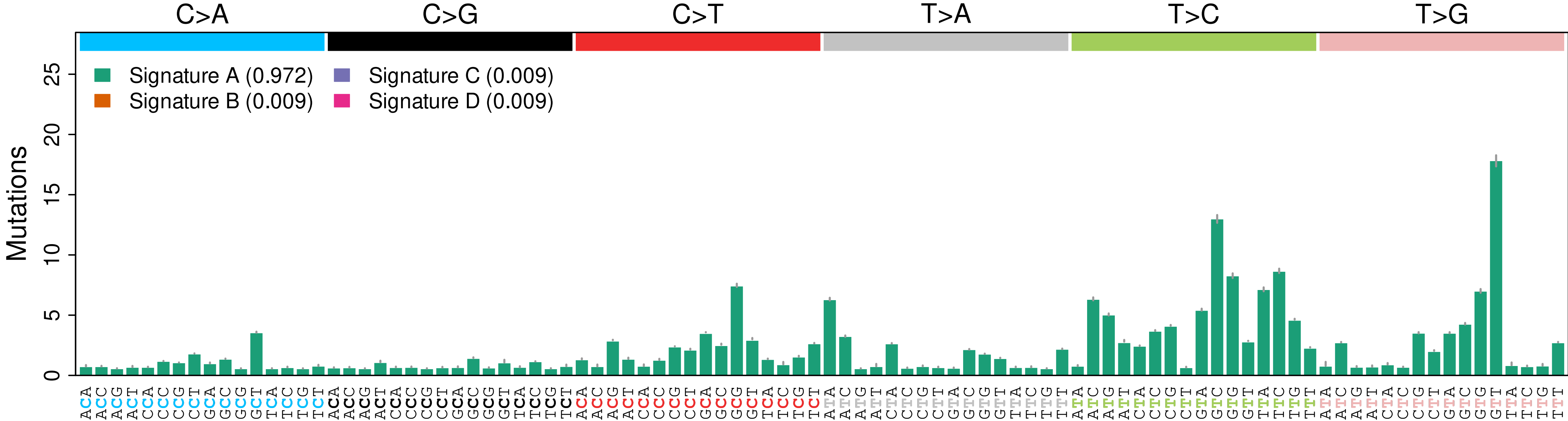


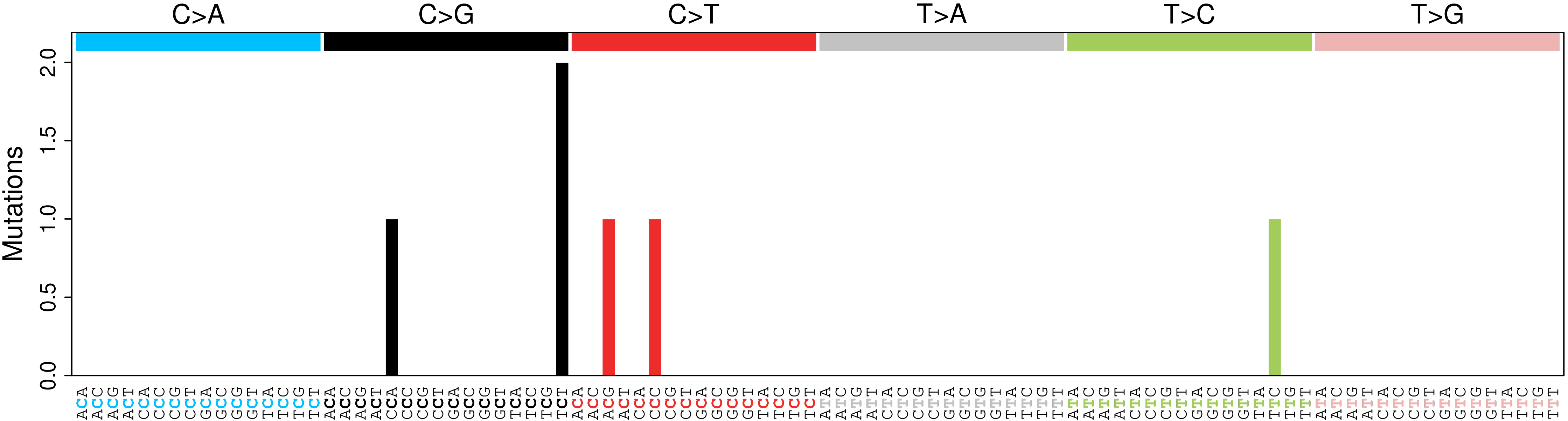
CATD0735a (221 mutations)



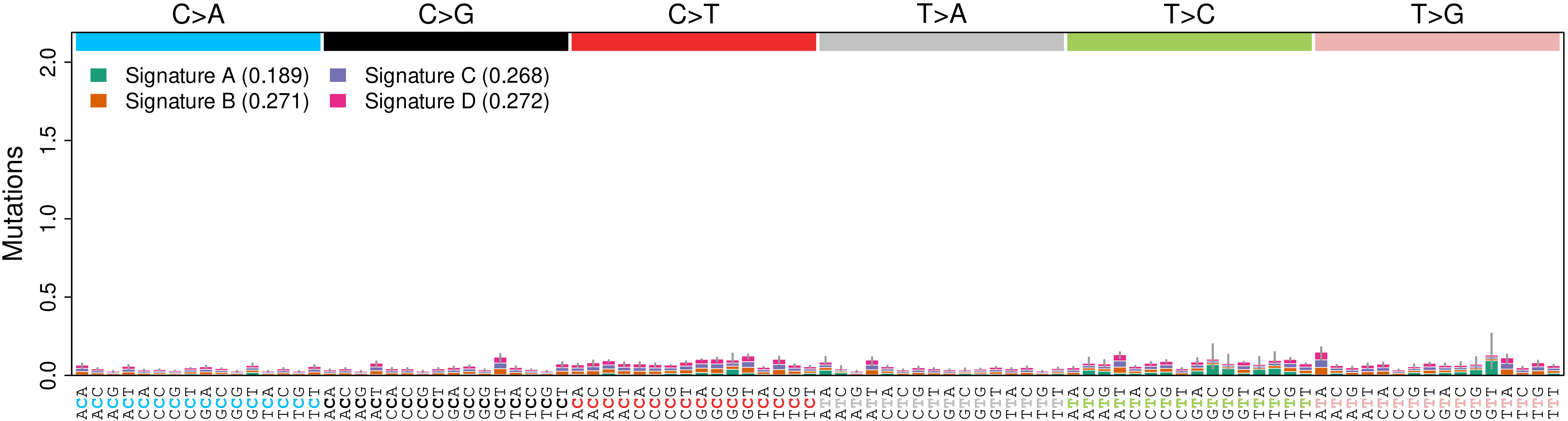
Reconstructed spectrum (cosine similarity = 0.978)



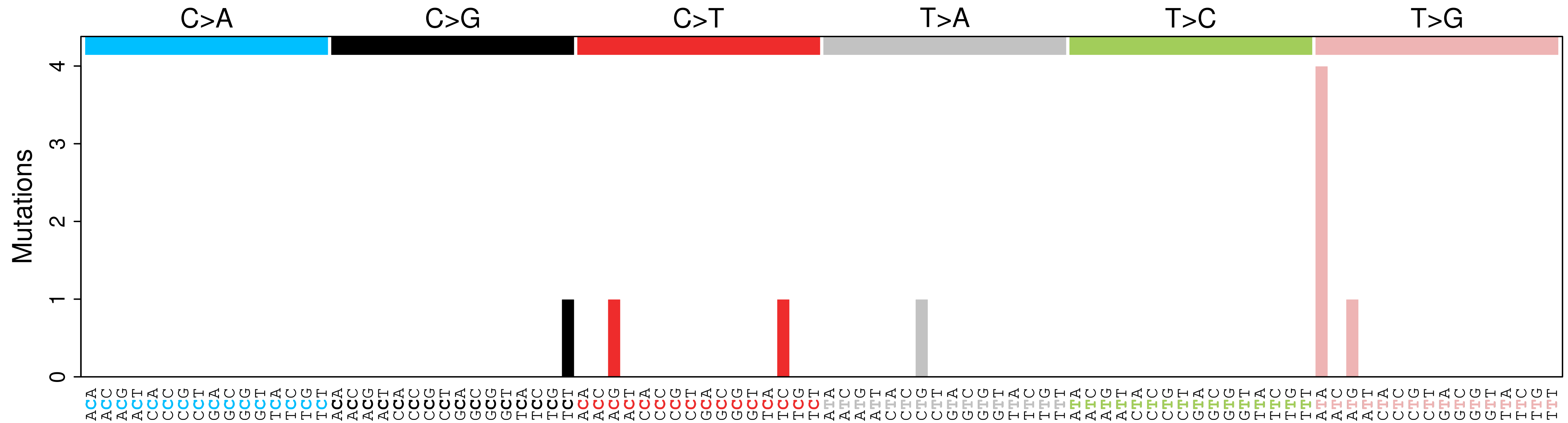
CATD0575a (6 mutations)



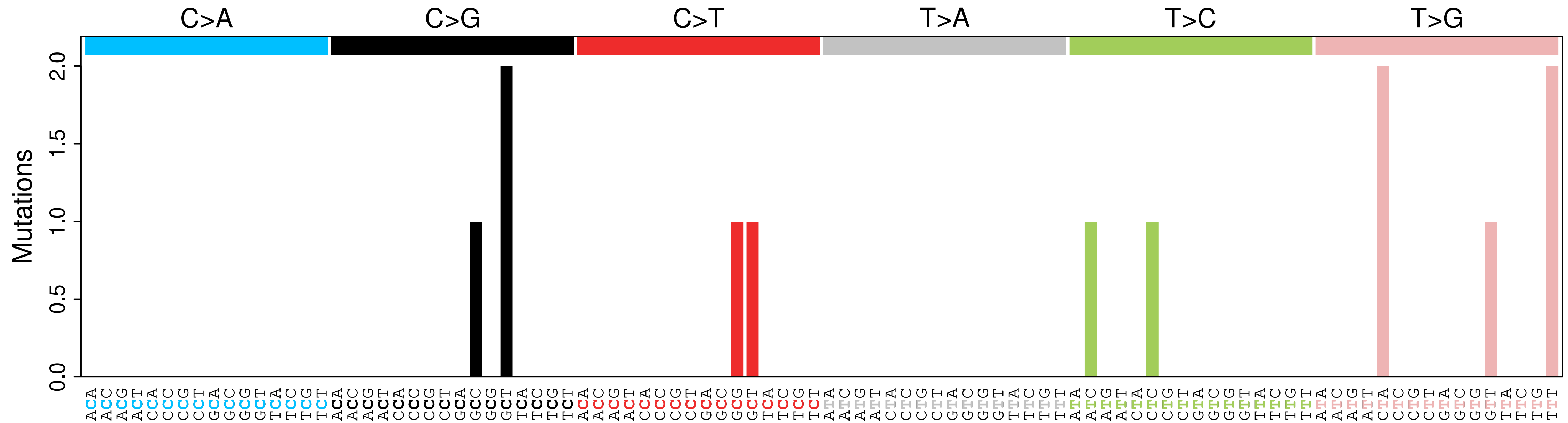
Reconstructed spectrum (cosine similarity = 0.236)



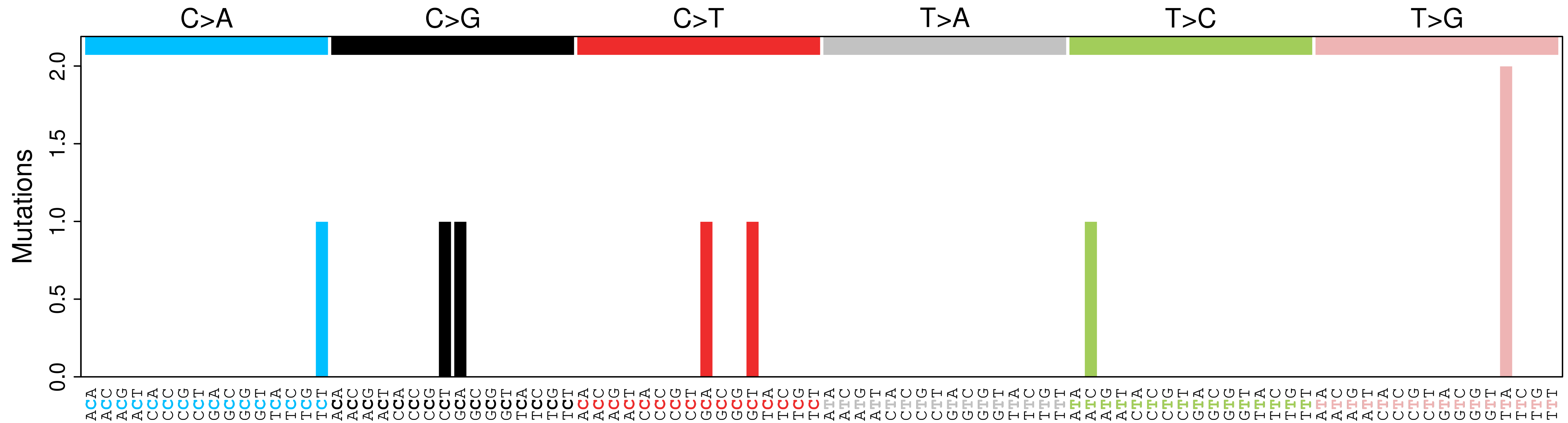
CATD0584a (9 mutations)



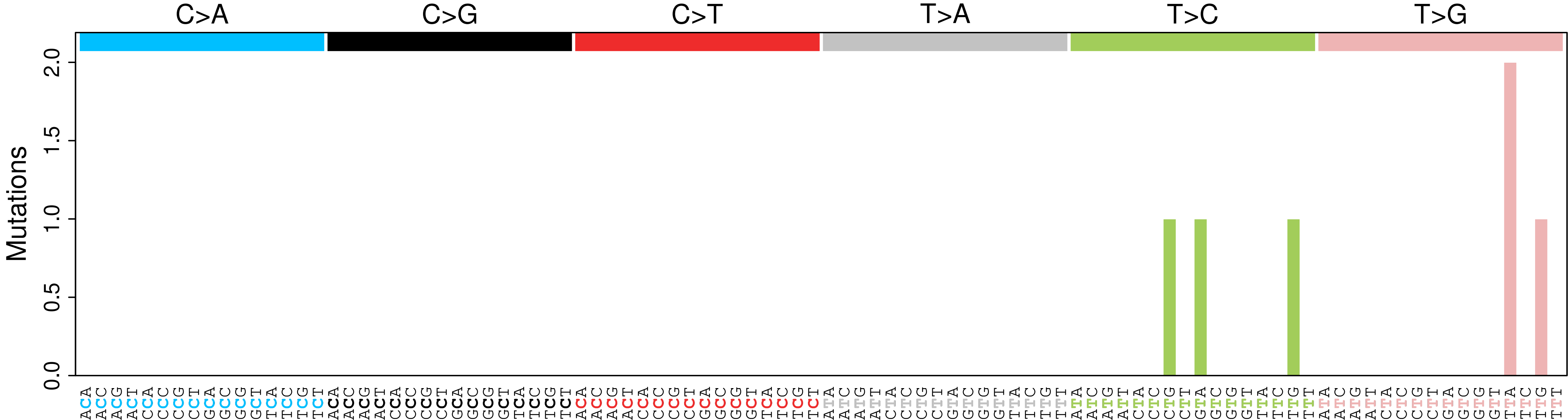
CATD0600a (12 mutations)



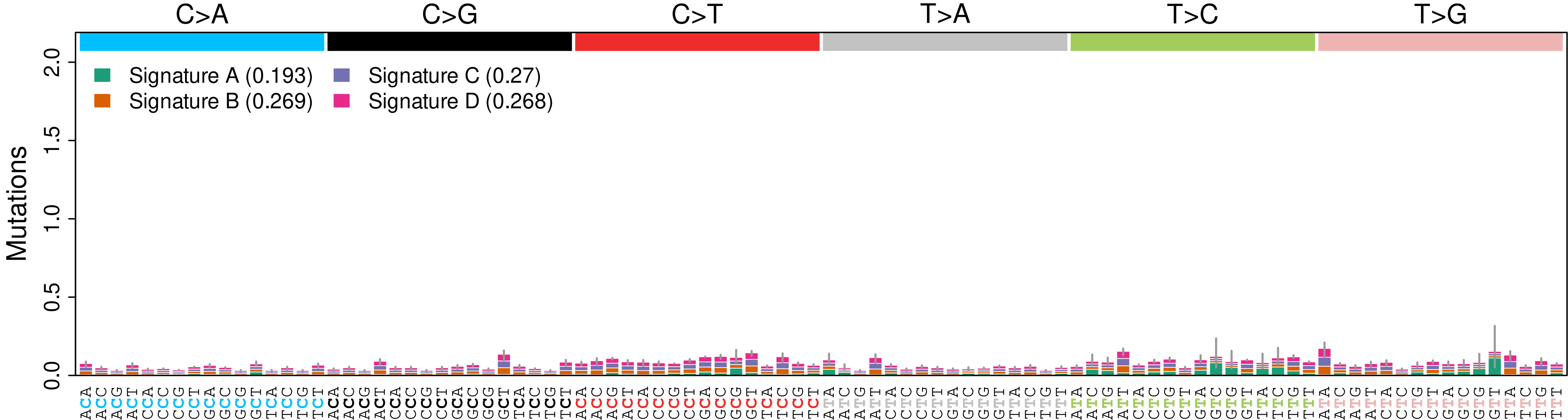
CATD0576a (8 mutations)



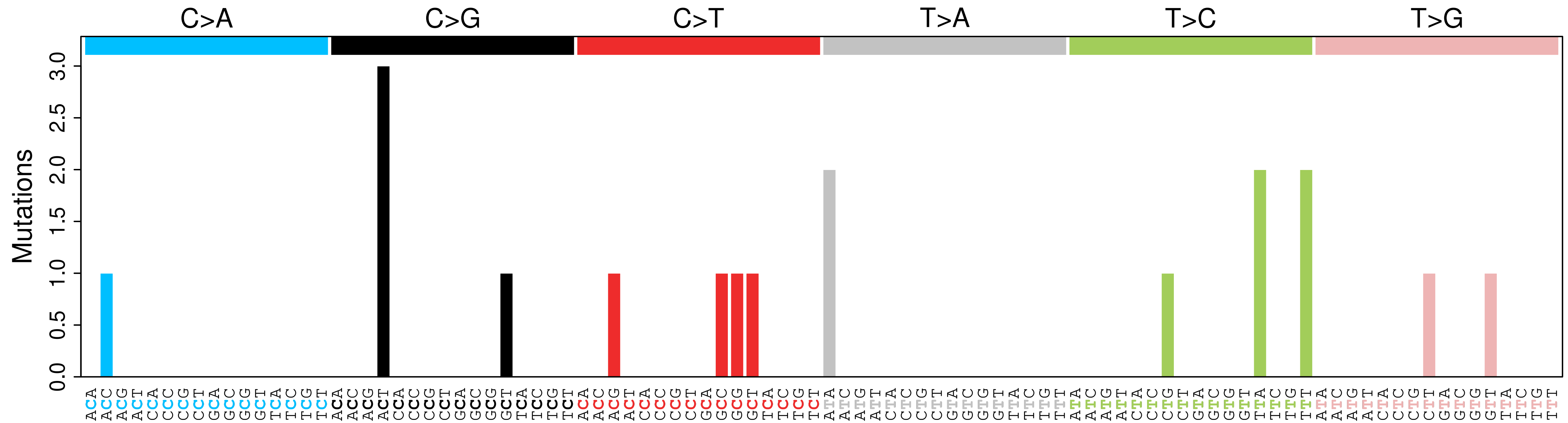
CATD0679a (6 mutations)



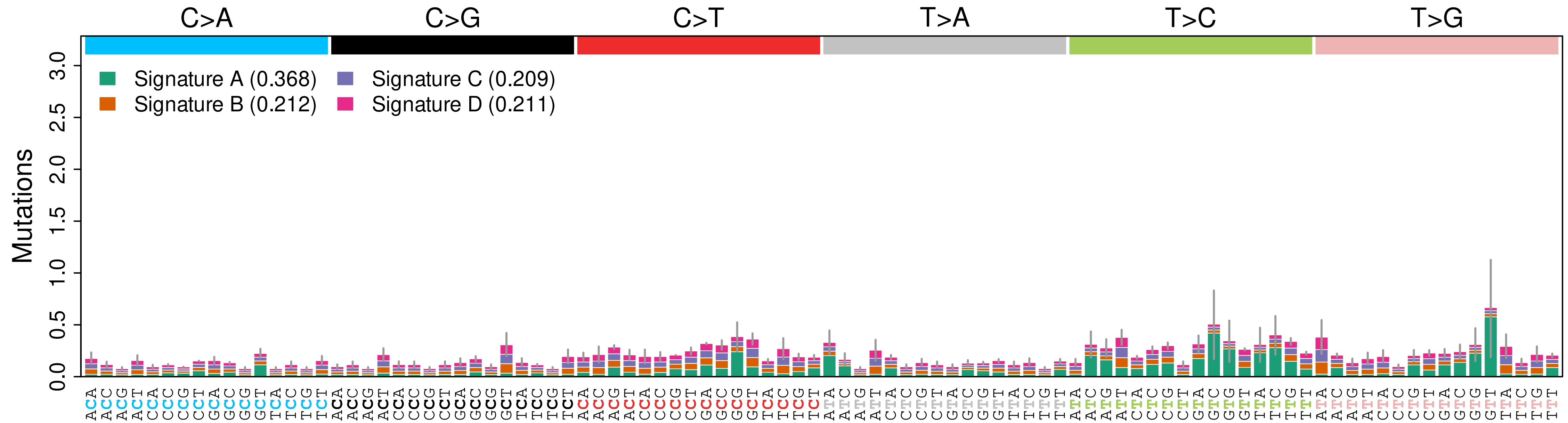
Reconstructed spectrum (cosine similarity = 0.307)



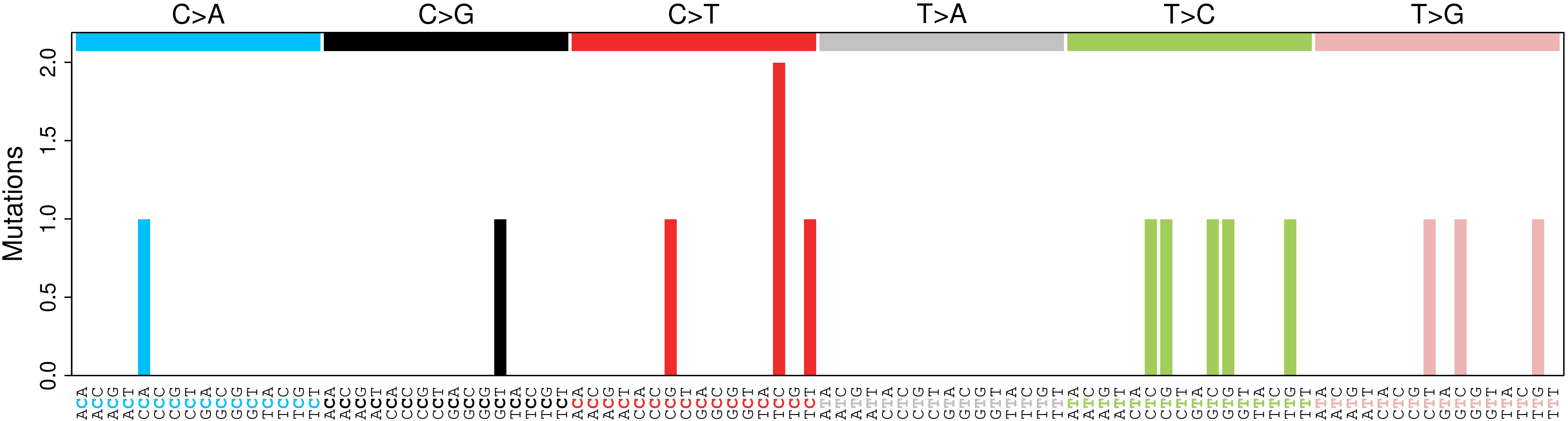
CATD0591a (18 mutations)



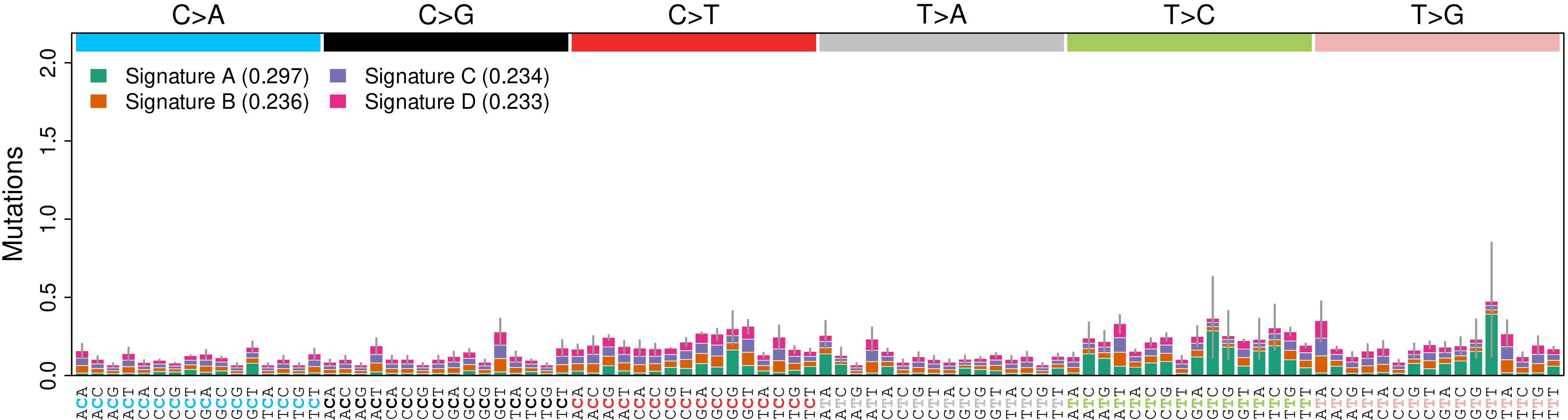
Reconstructed spectrum (cosine similarity = 0.444)



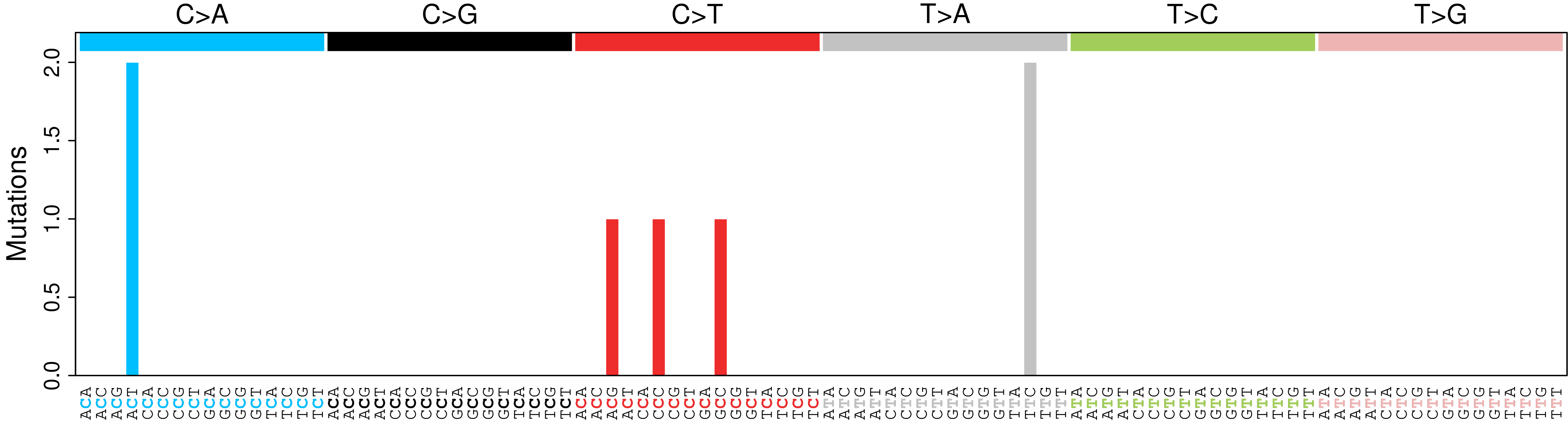
CATD0686a (14 mutations)



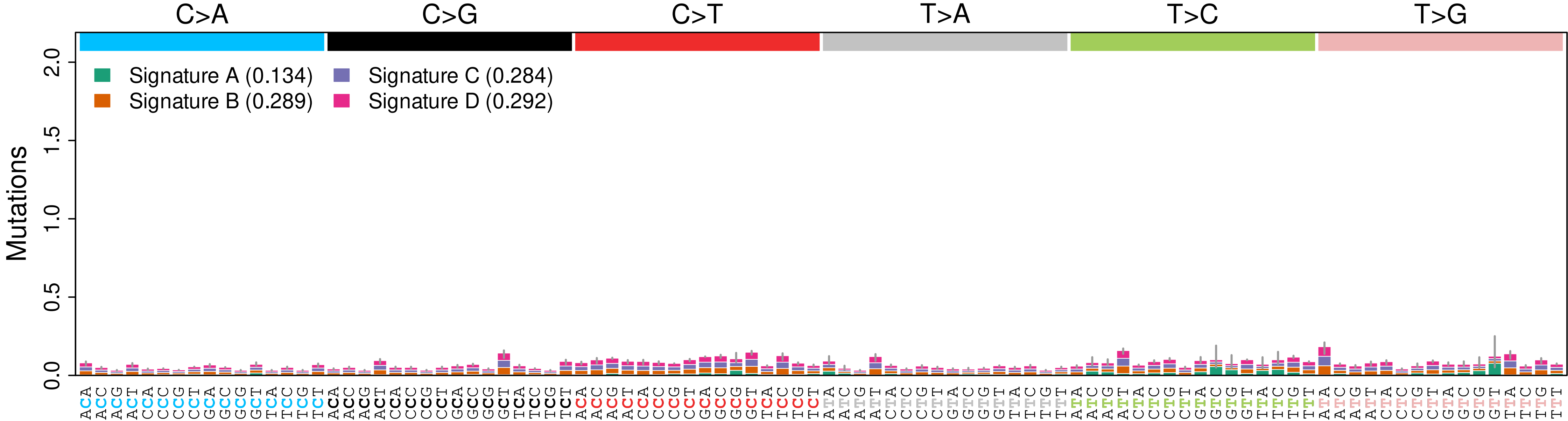
Reconstructed spectrum (cosine similarity = 0.432)



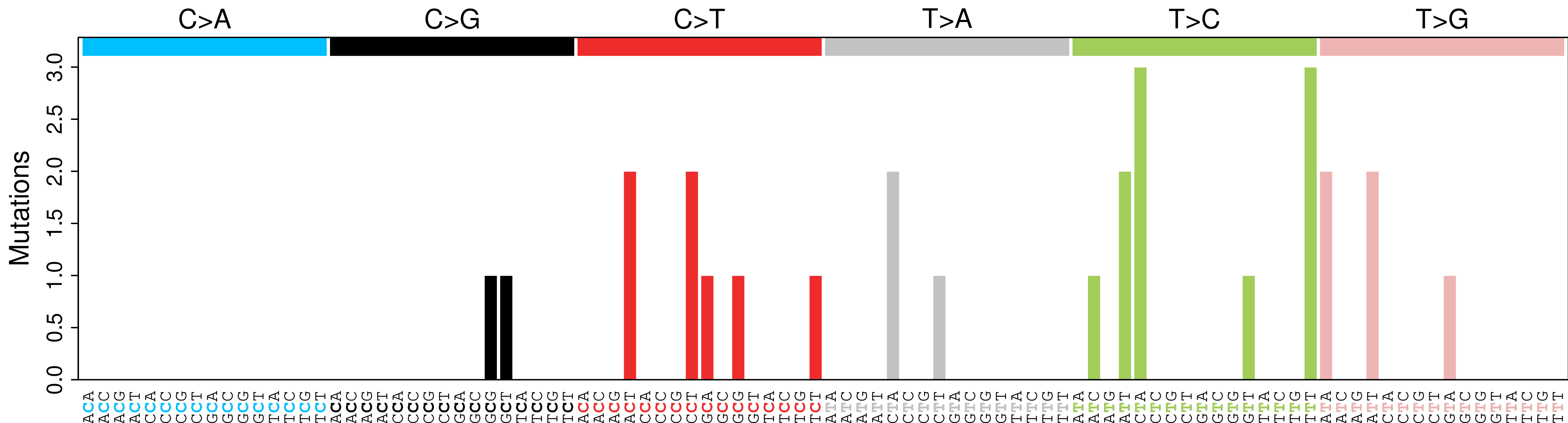
CATD0678a (7 mutations)



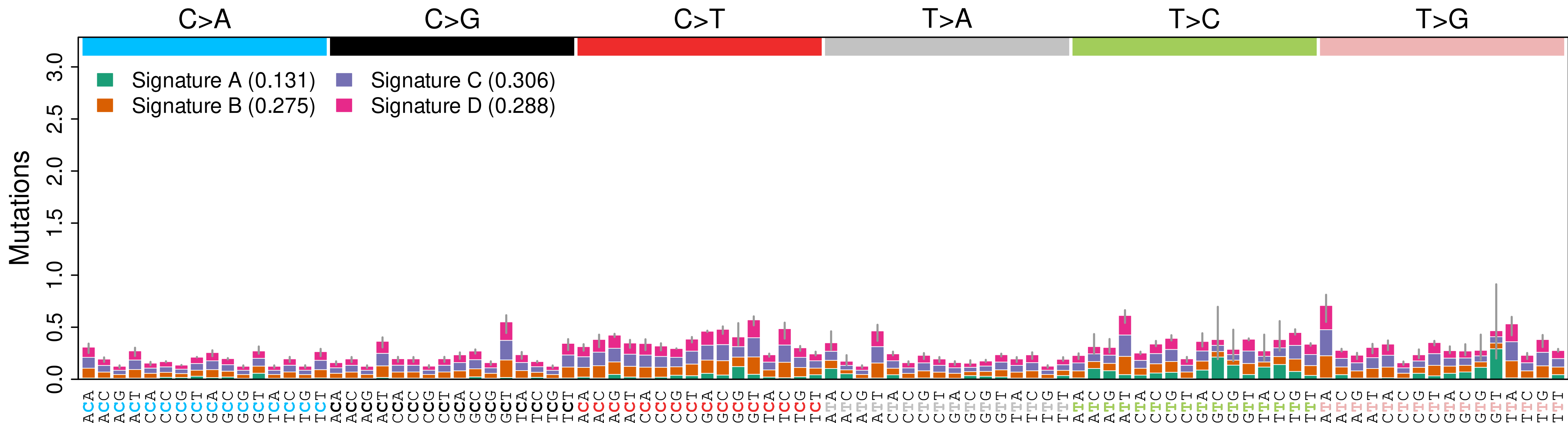
Reconstructed spectrum (cosine similarity = 0.225)



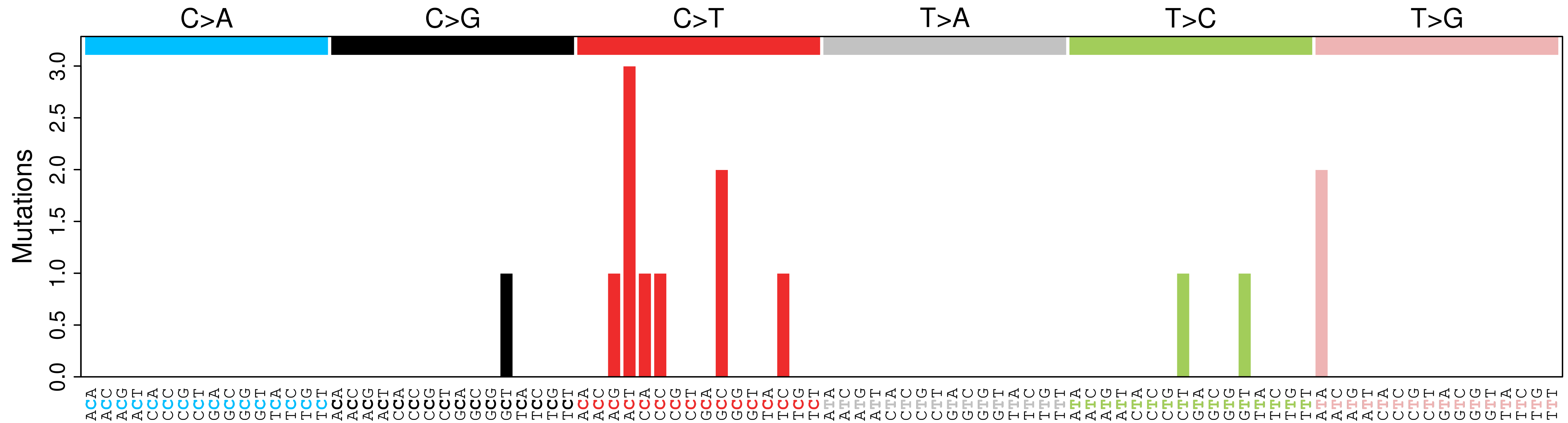
CATD0729a (27 mutations)



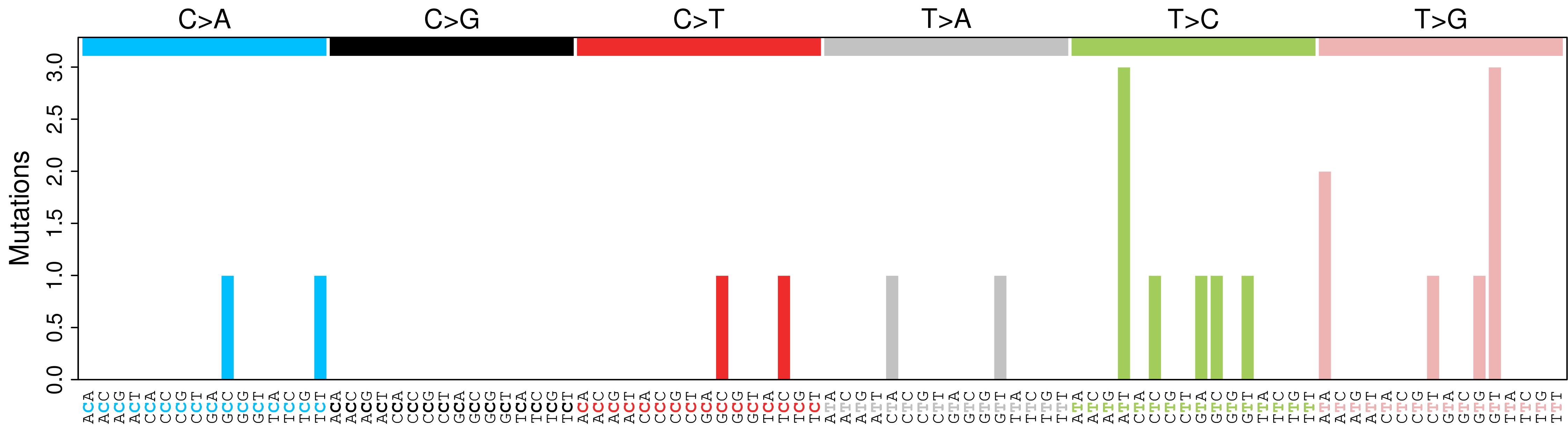
Reconstructed spectrum (cosine similarity = 0.465)



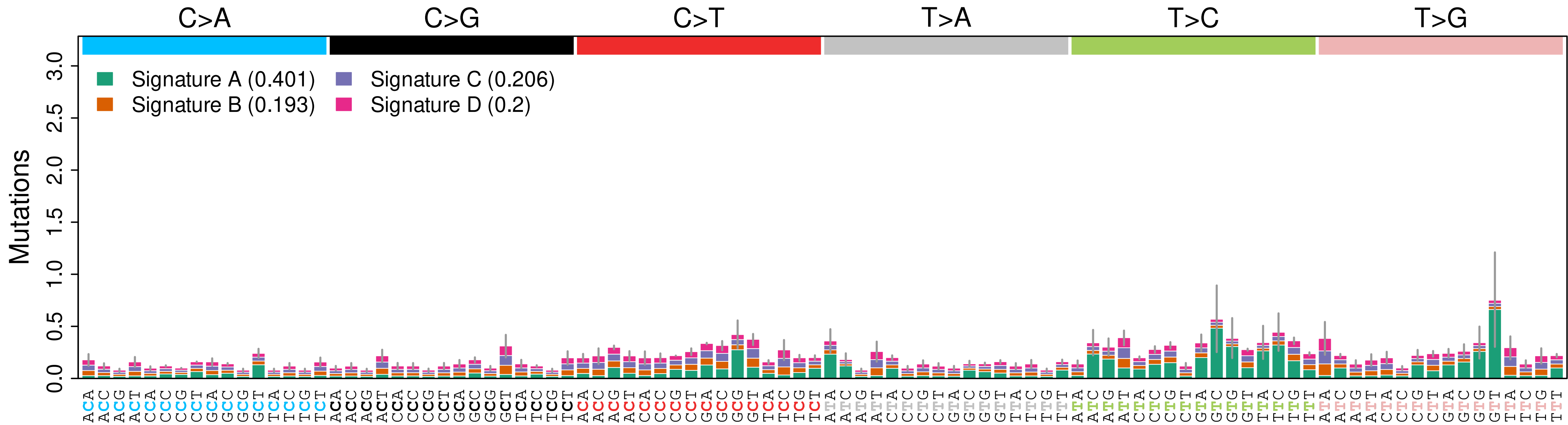
CATD0731a (14 mutations)



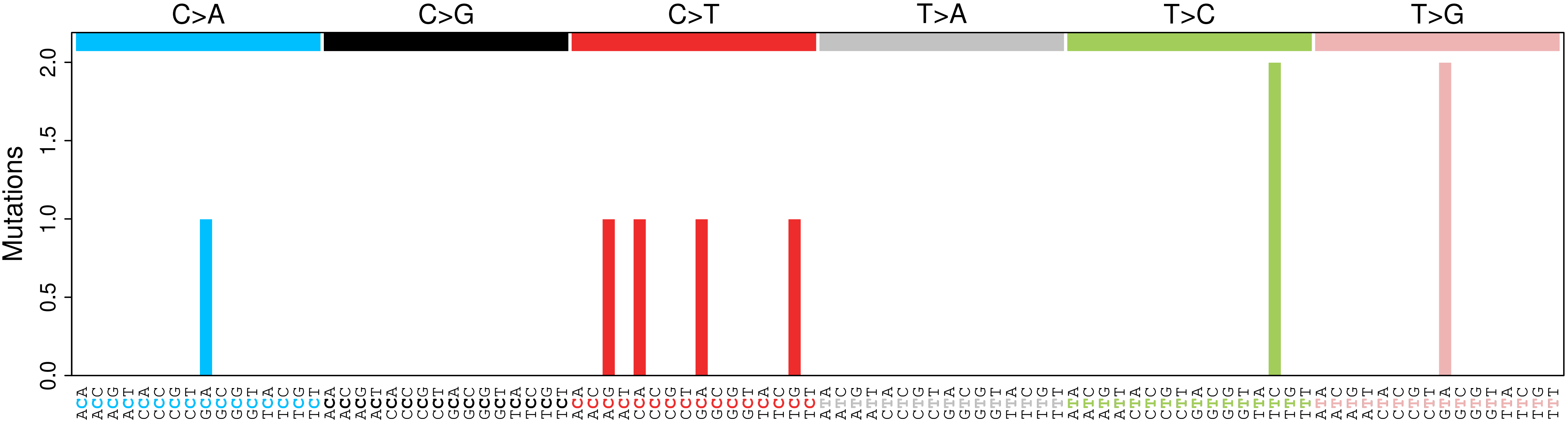
CATD0723a (20 mutations)



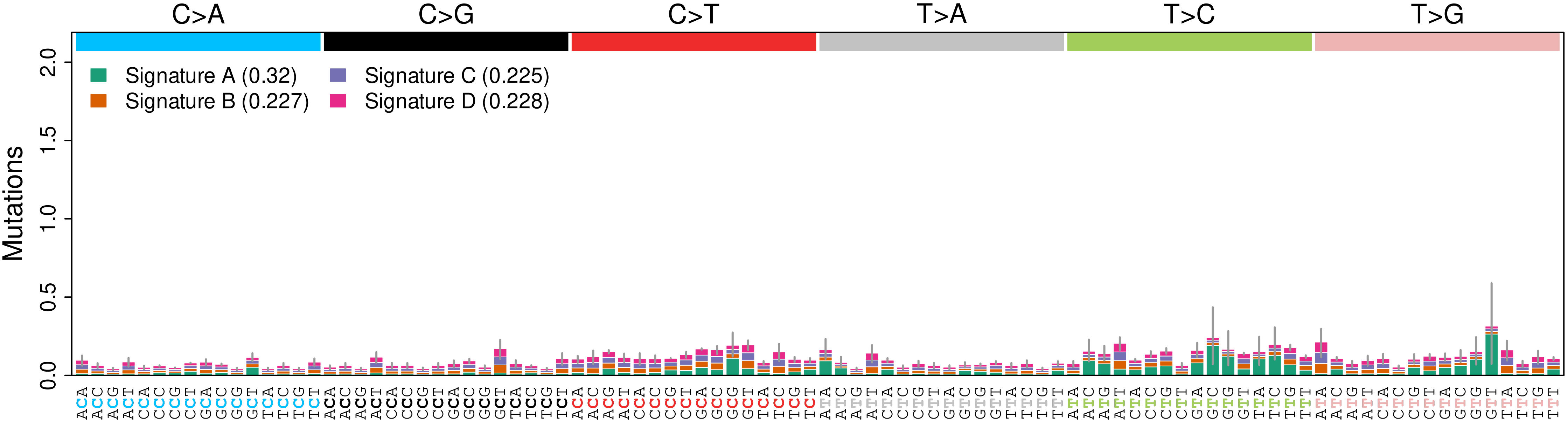
Reconstructed spectrum (cosine similarity = 0.551)



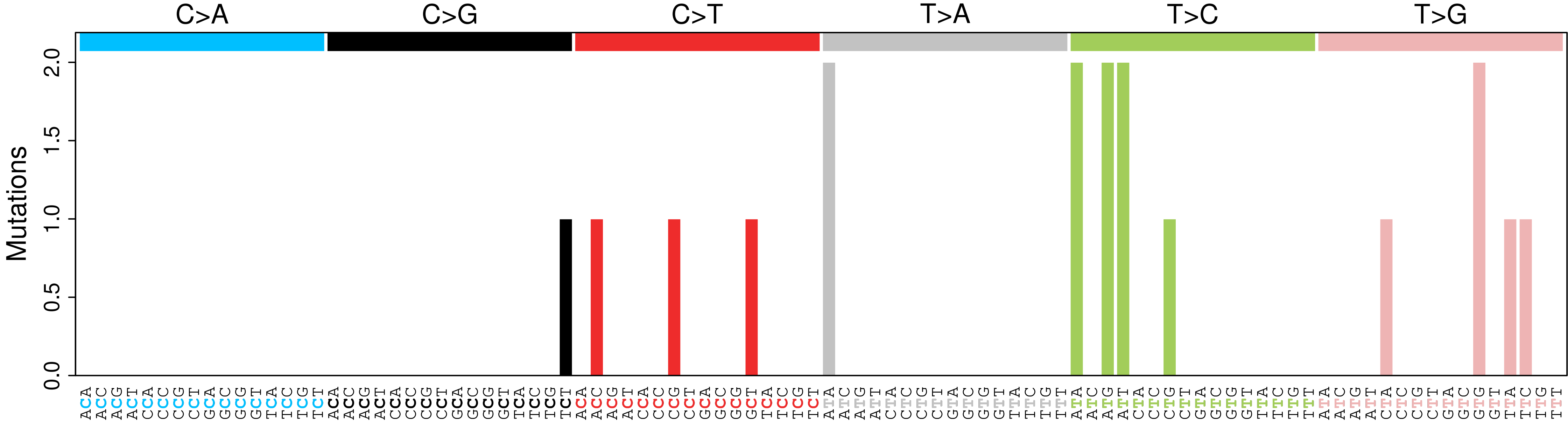
CATD0730a (9 mutations)



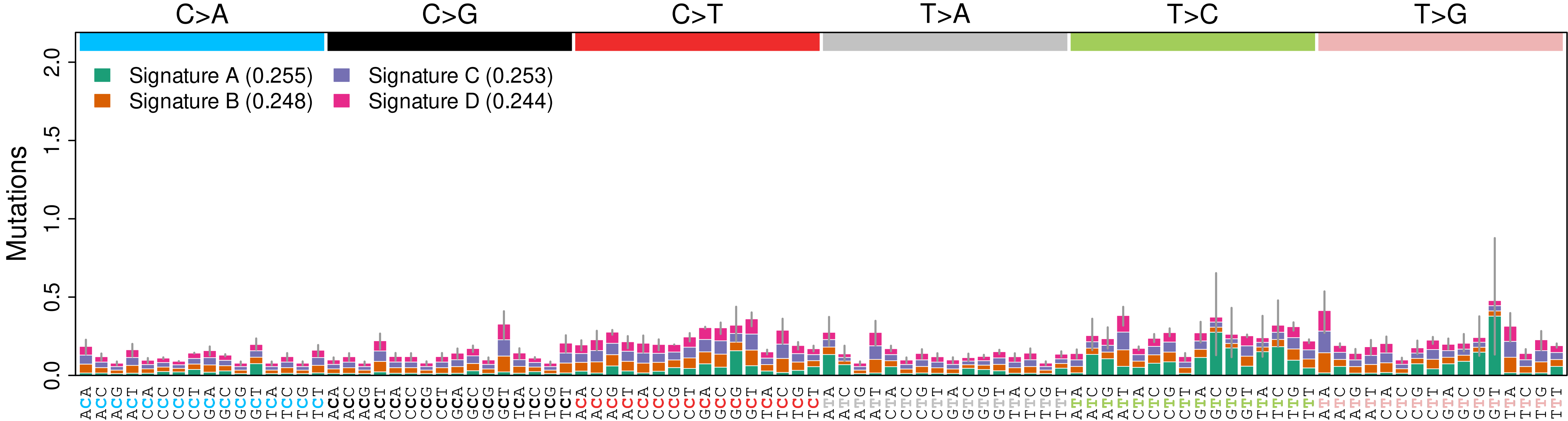
Reconstructed spectrum (cosine similarity = 0.302)



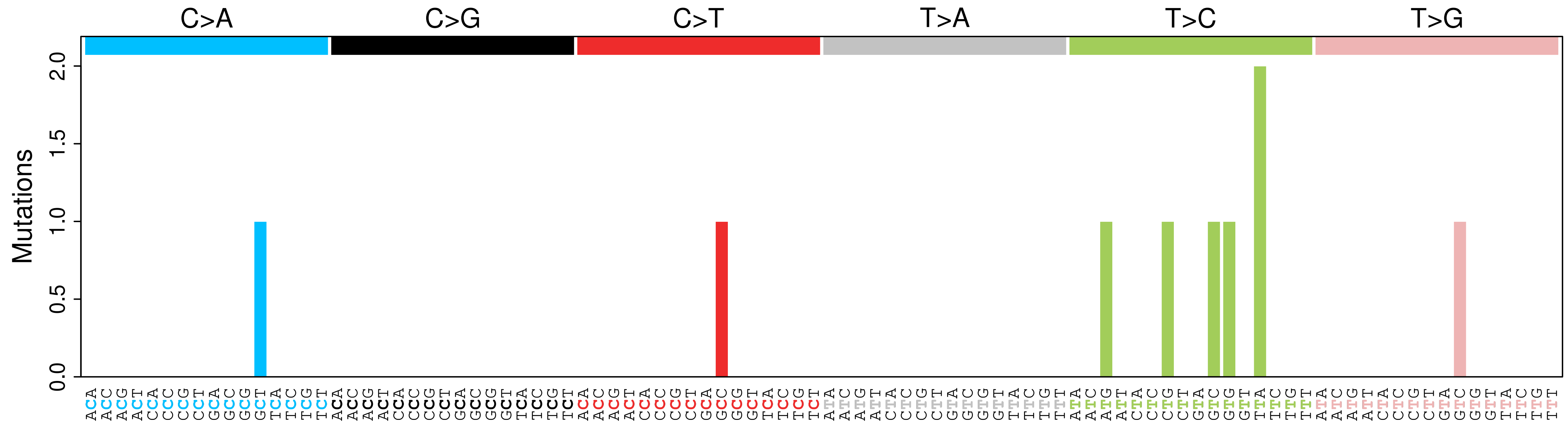
CATD0586a (18 mutations)



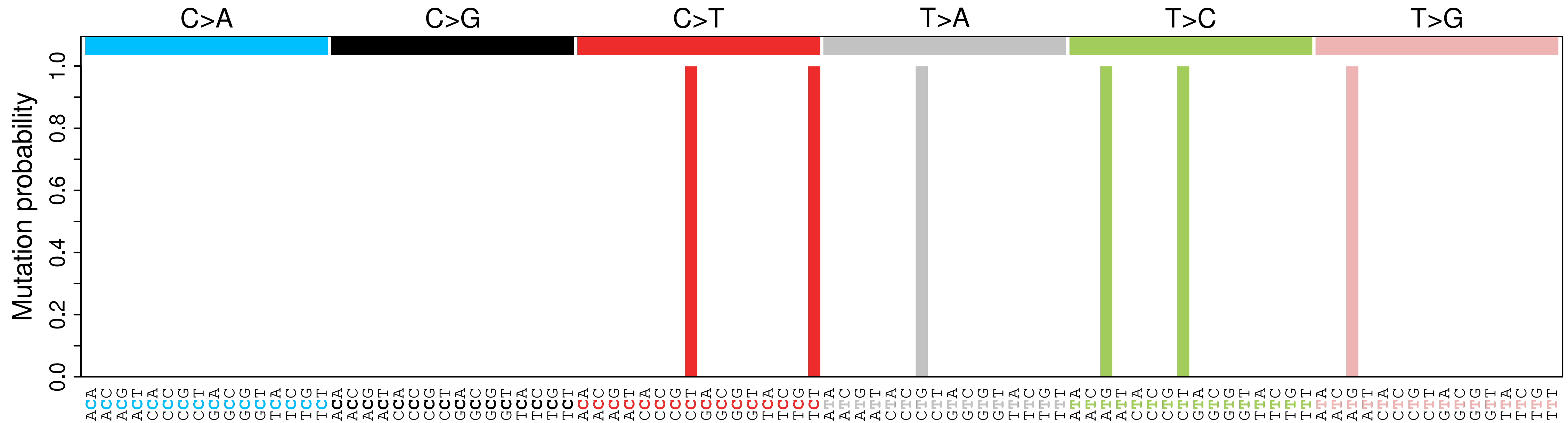
Reconstructed spectrum (cosine similarity = 0.418)



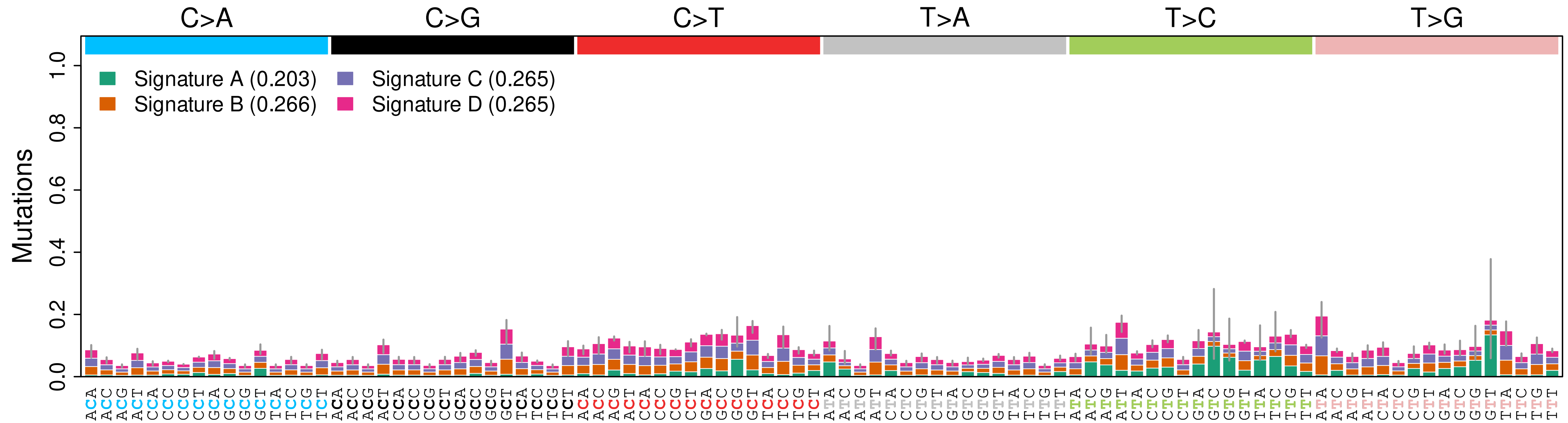
CATD0733a (9 mutations)



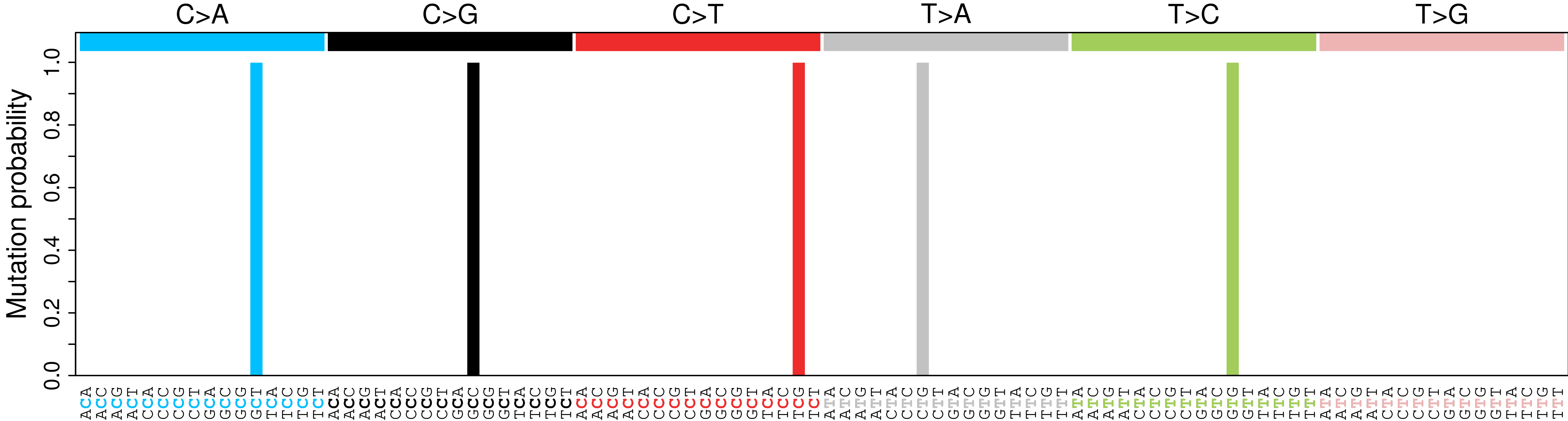
CATD0687a



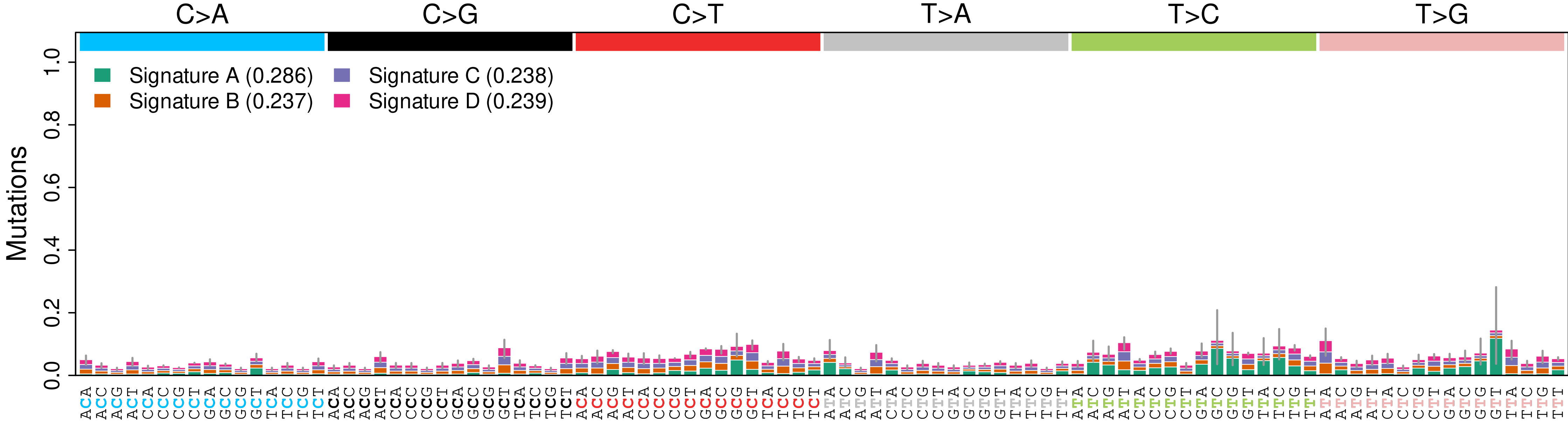
Reconstructed spectrum (cosine similarity = 0.215)



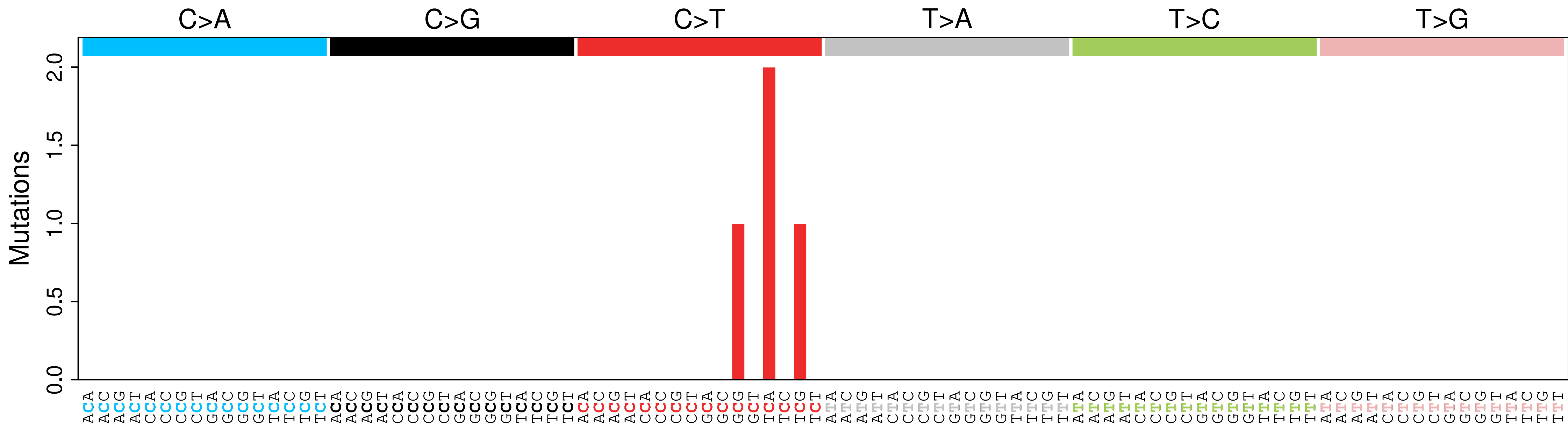
CATD0578a



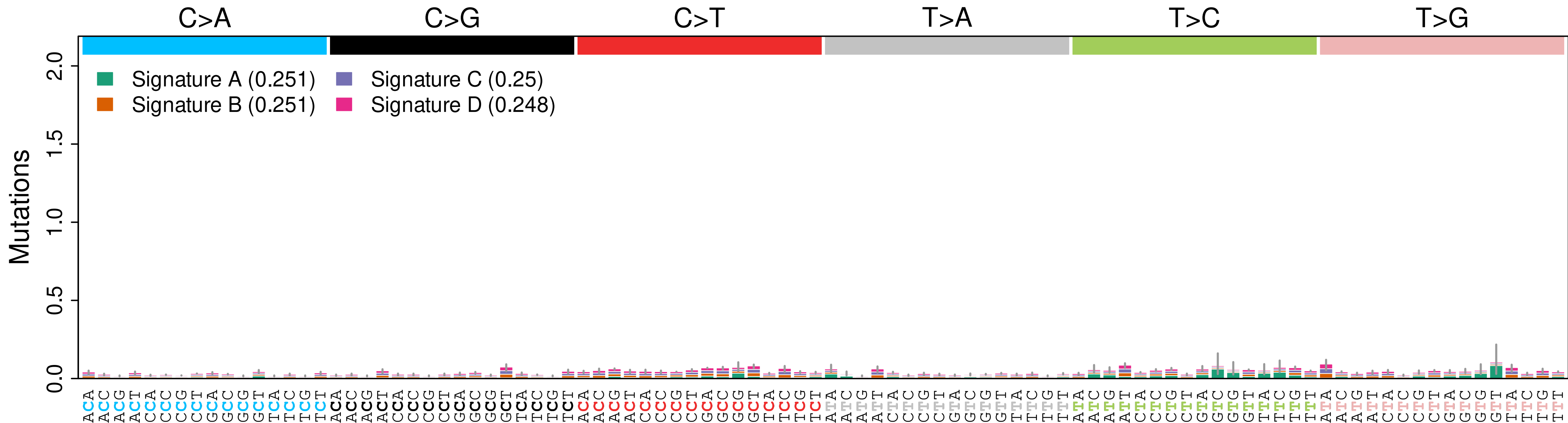
Reconstructed spectrum (cosine similarity = 0.215)



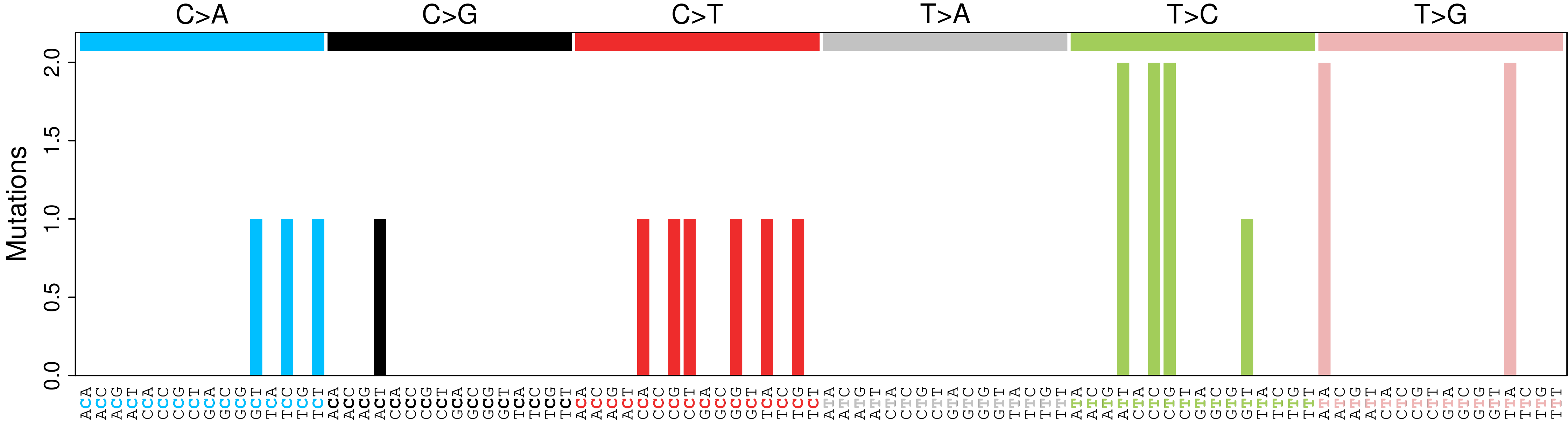
CATD0587a (4 mutations)



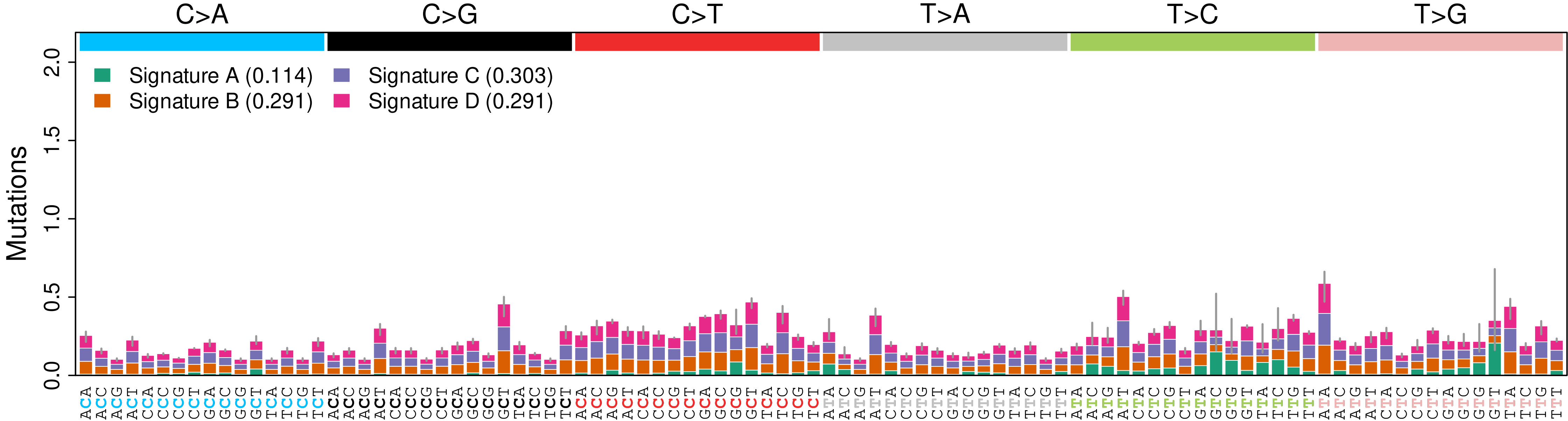
Reconstructed spectrum (cosine similarity = 0.164)



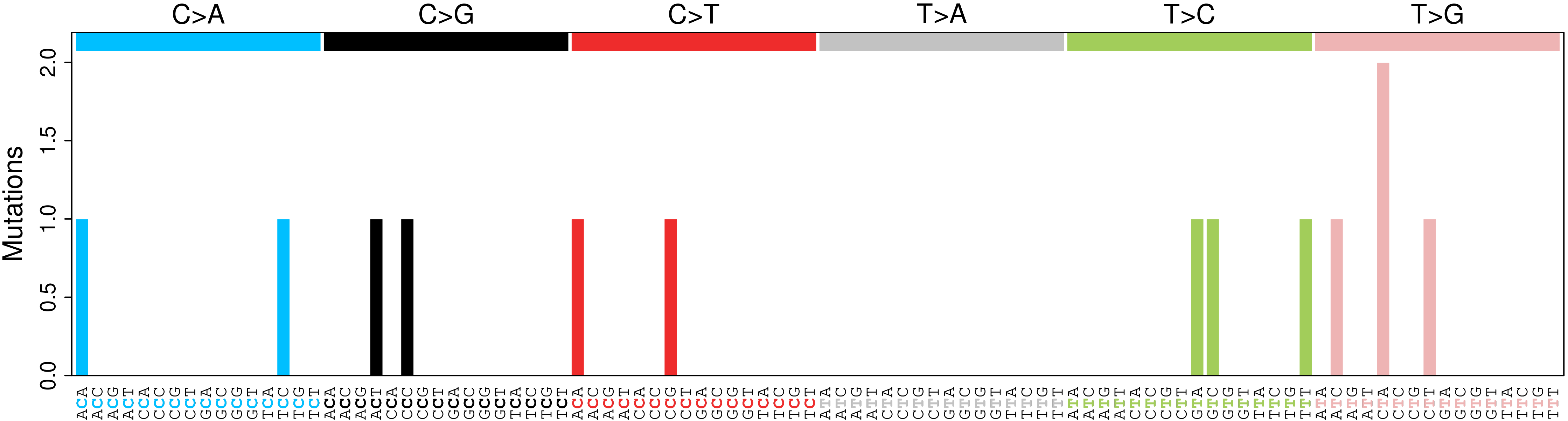
CATD0590a (21 mutations)



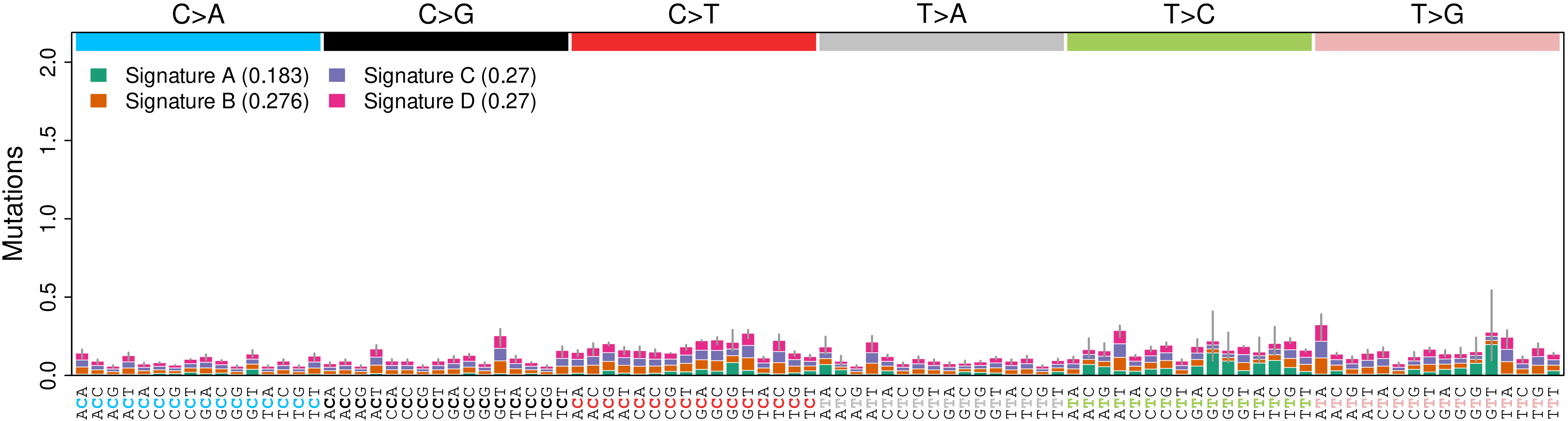
Reconstructed spectrum (cosine similarity = 0.519)



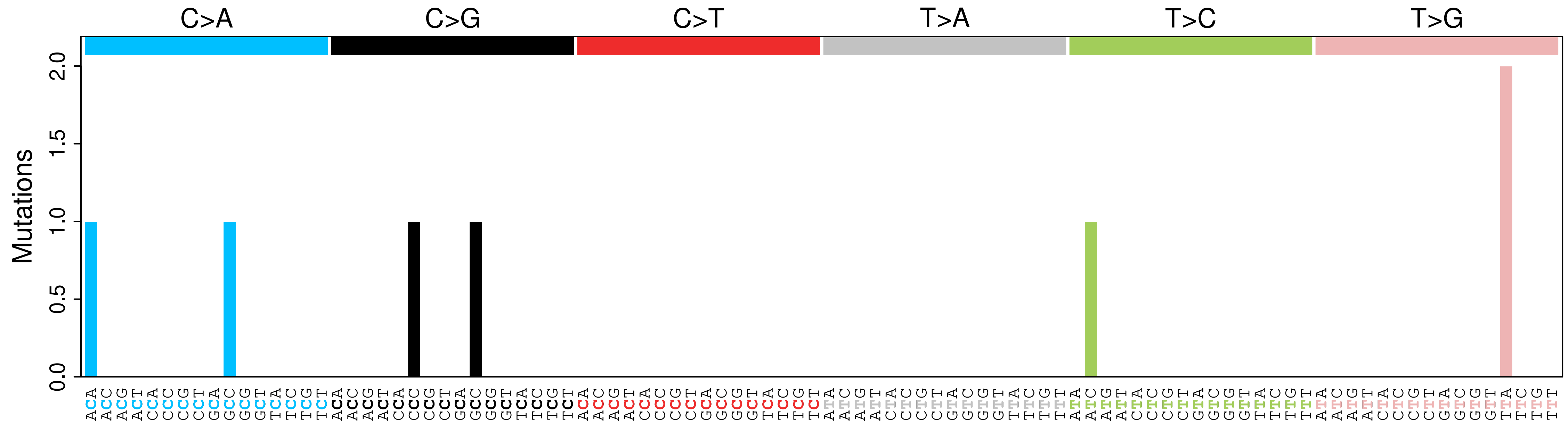
CATD0727a (13 mutations)



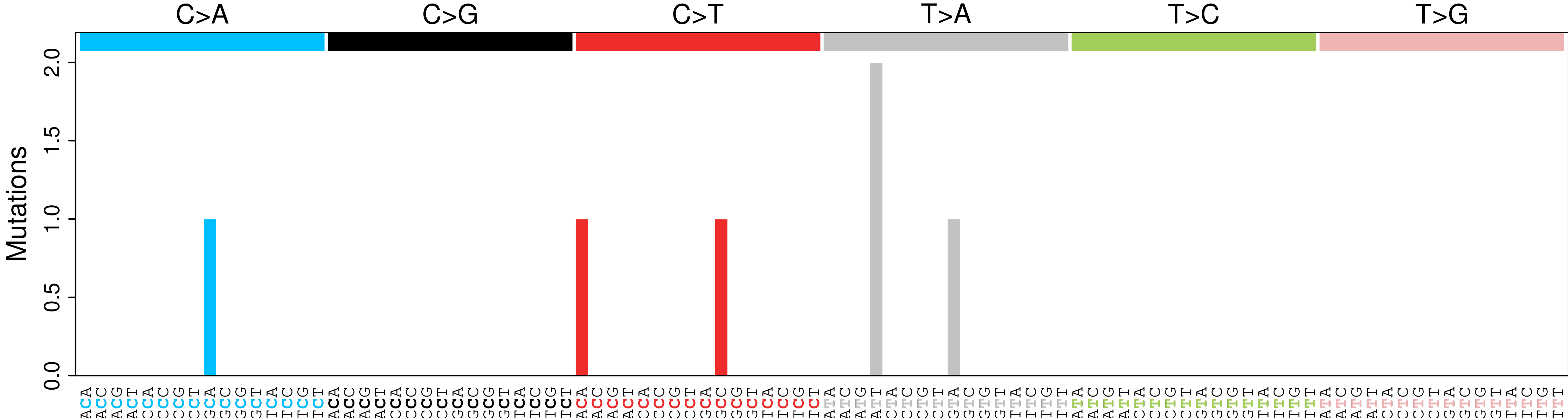
Reconstructed spectrum (cosine similarity = 0.35)



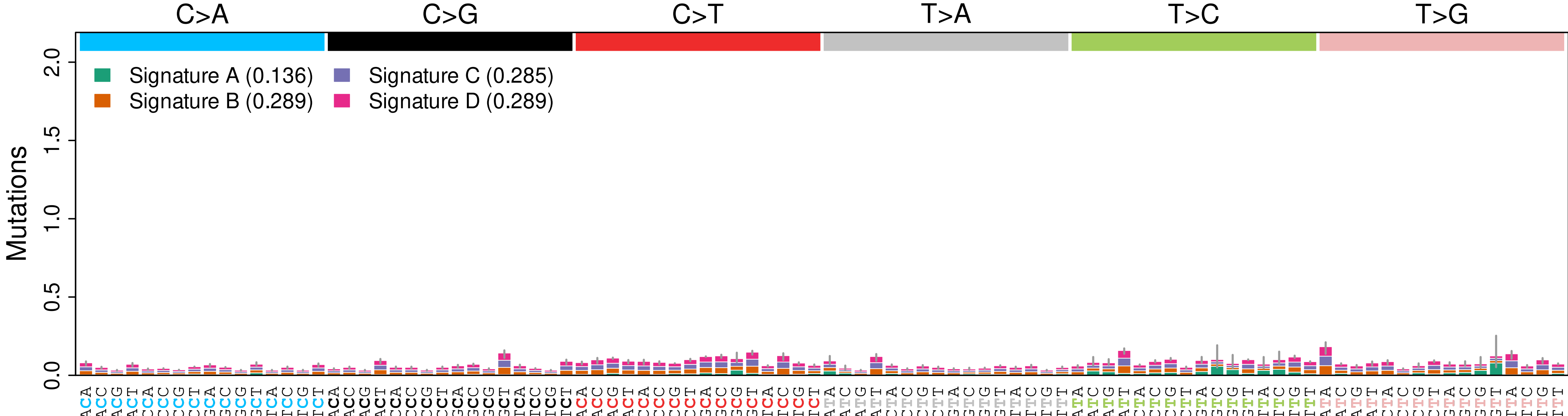
CATD0583a (7 mutations)



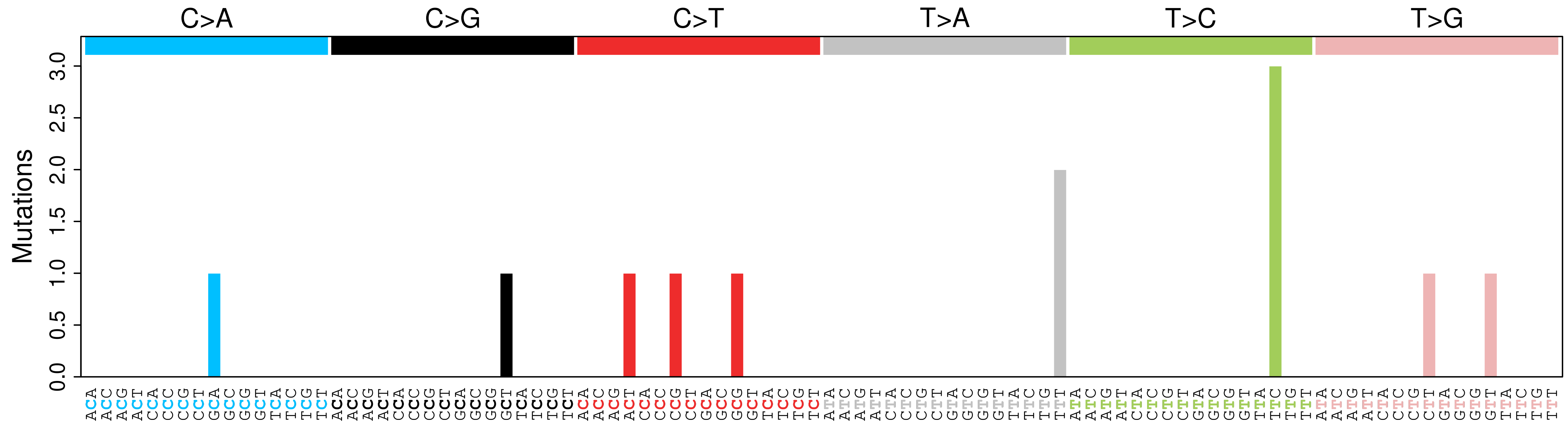
CATD0732a (6 mutations)



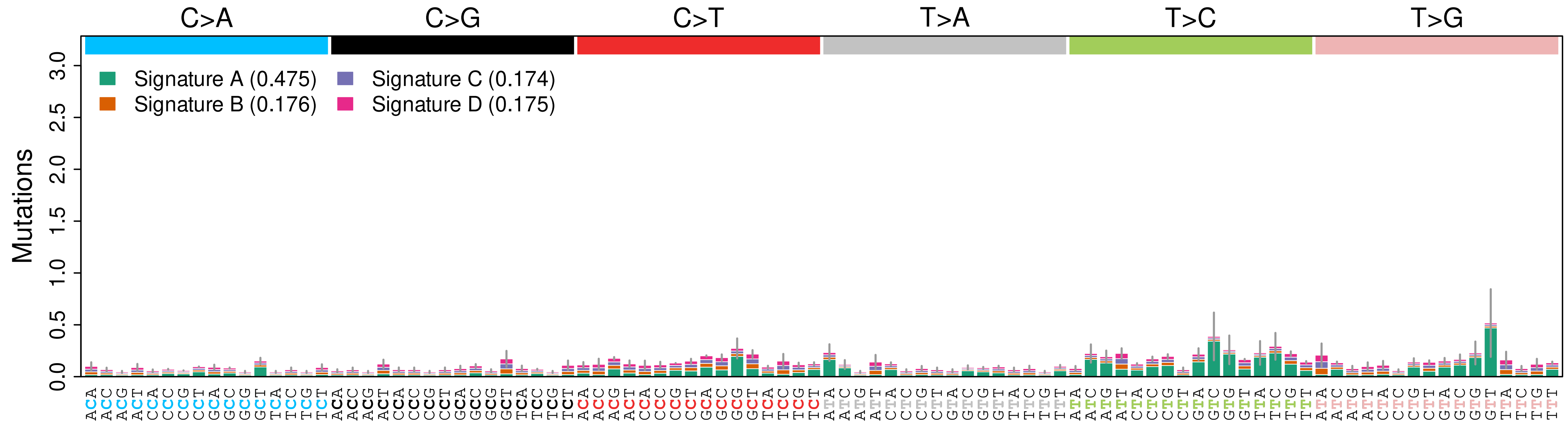
Reconstructed spectrum (cosine similarity = 0.251)



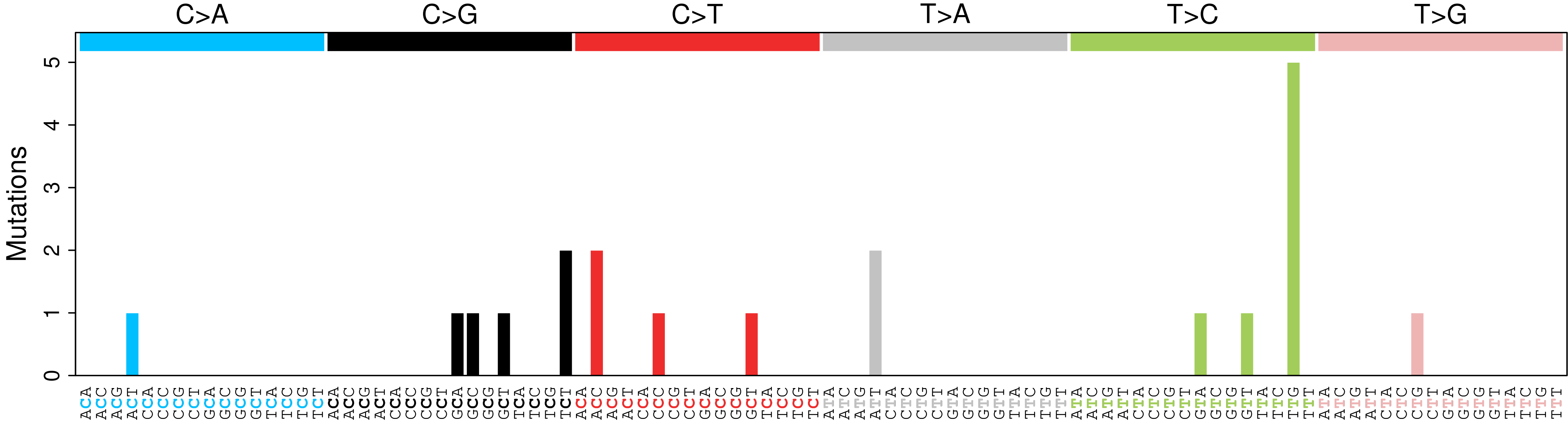
CATD0725a (12 mutations)



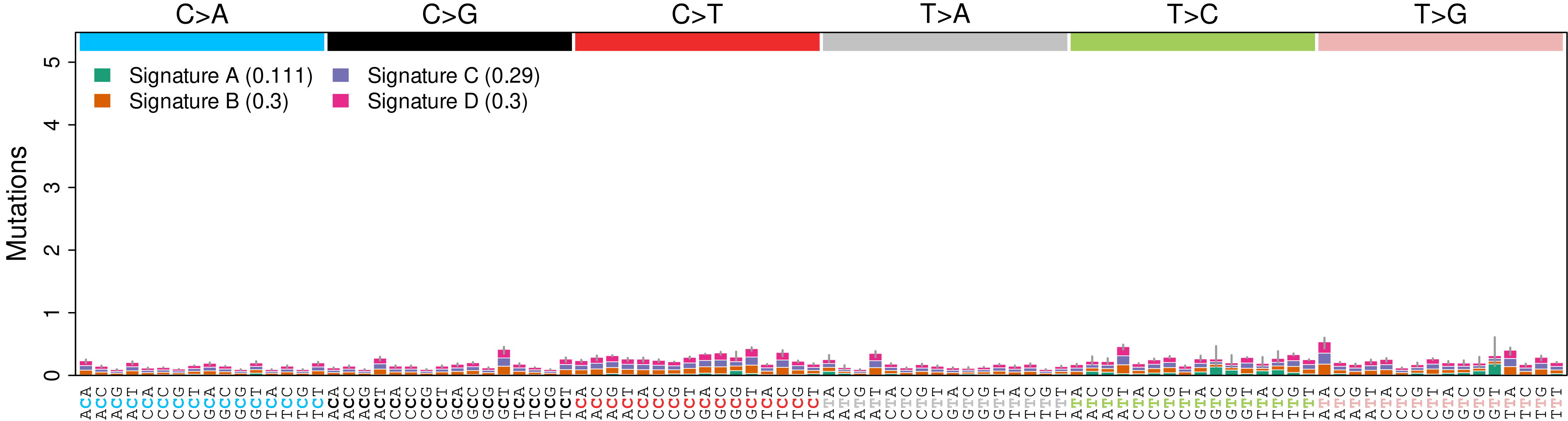
Reconstructed spectrum (cosine similarity = 0.392)



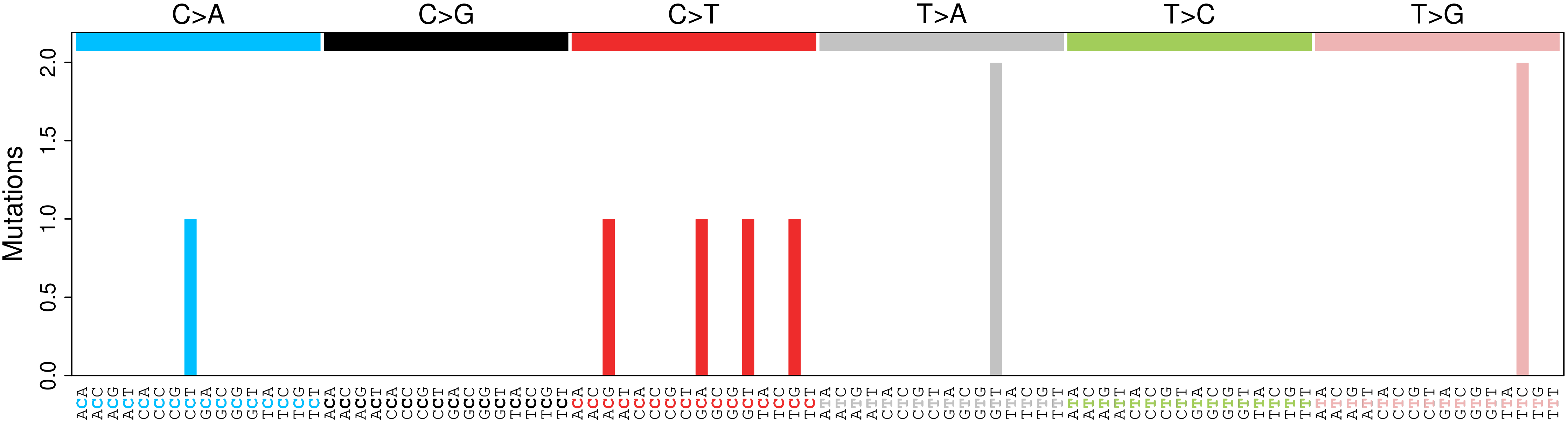
CATD0577a (20 mutations)



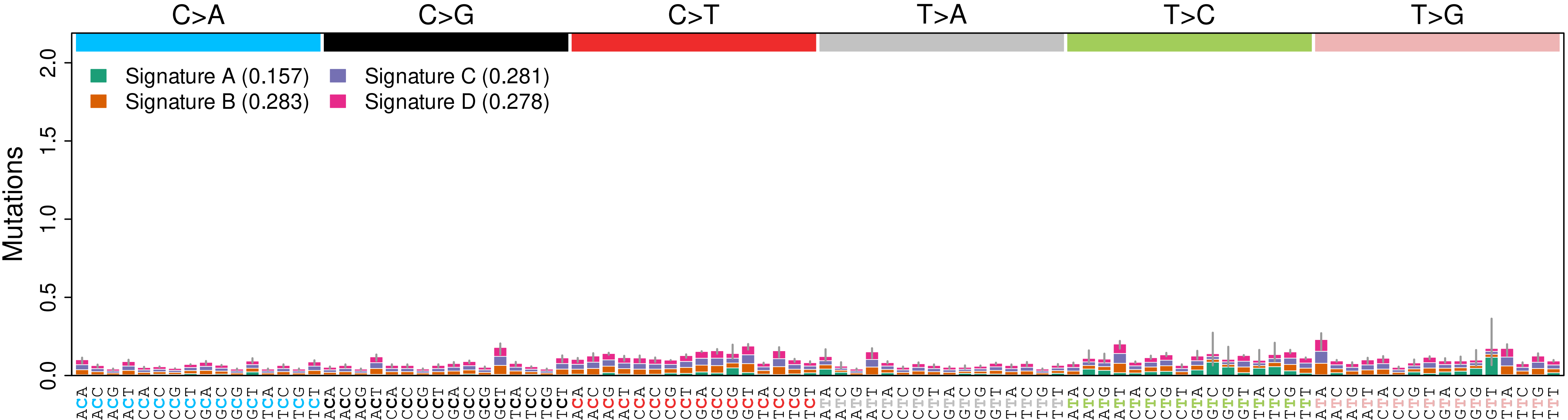
Reconstructed spectrum (cosine similarity = 0.387)



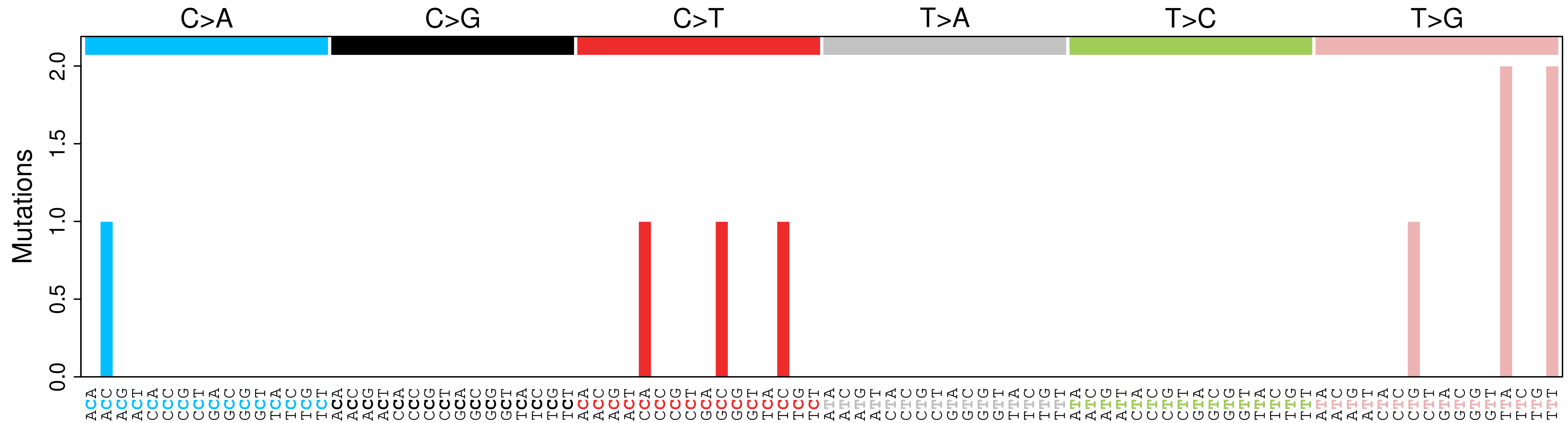
CATD0606a (9 mutations)



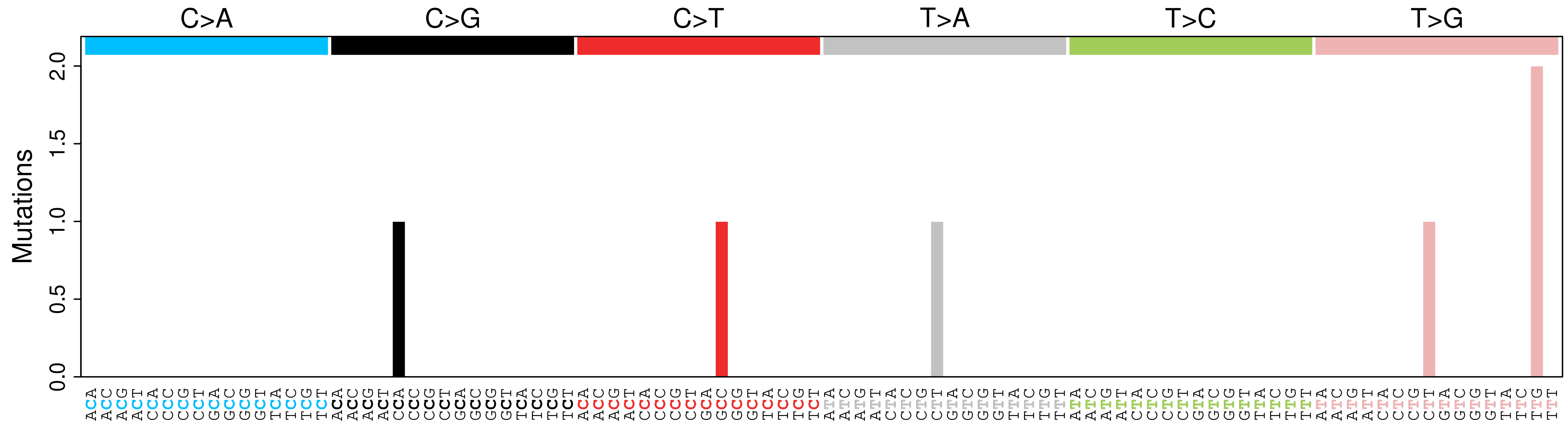
Reconstructed spectrum (cosine similarity = 0.266)



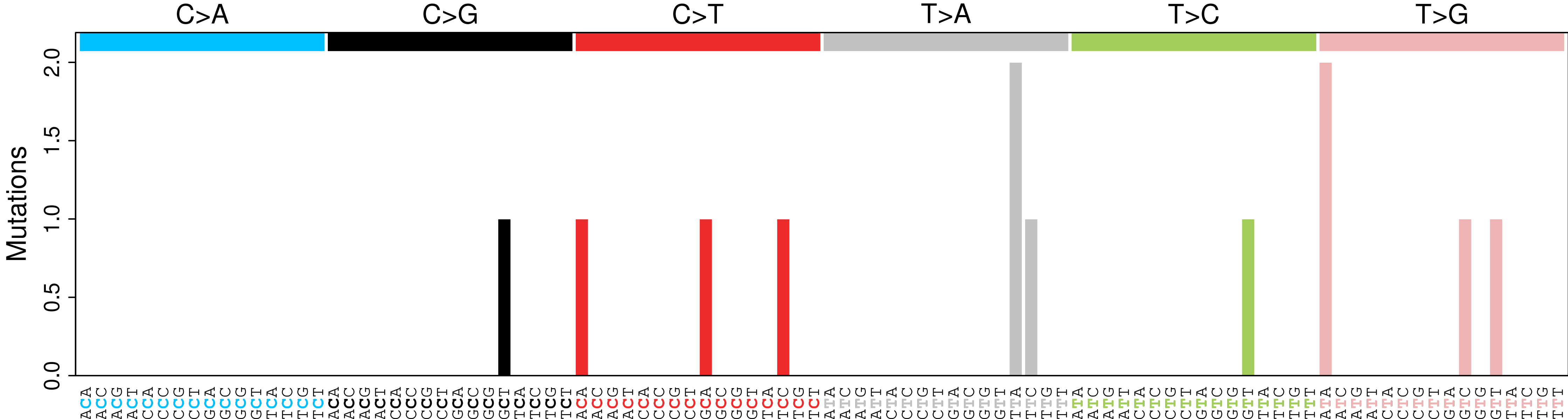
CATD0588a (9 mutations)



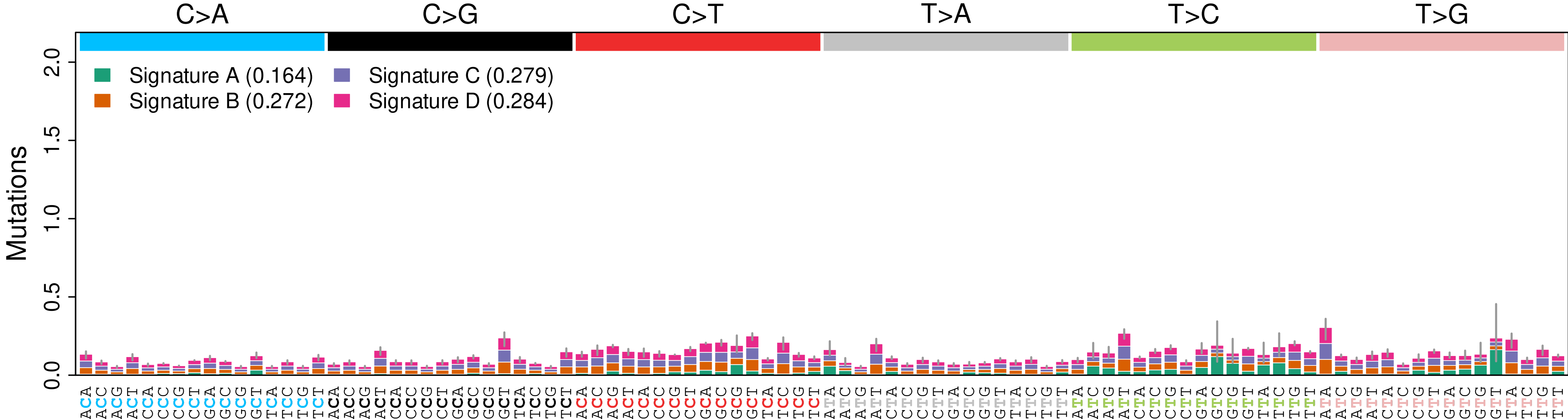
CATD0572a (6 mutations)



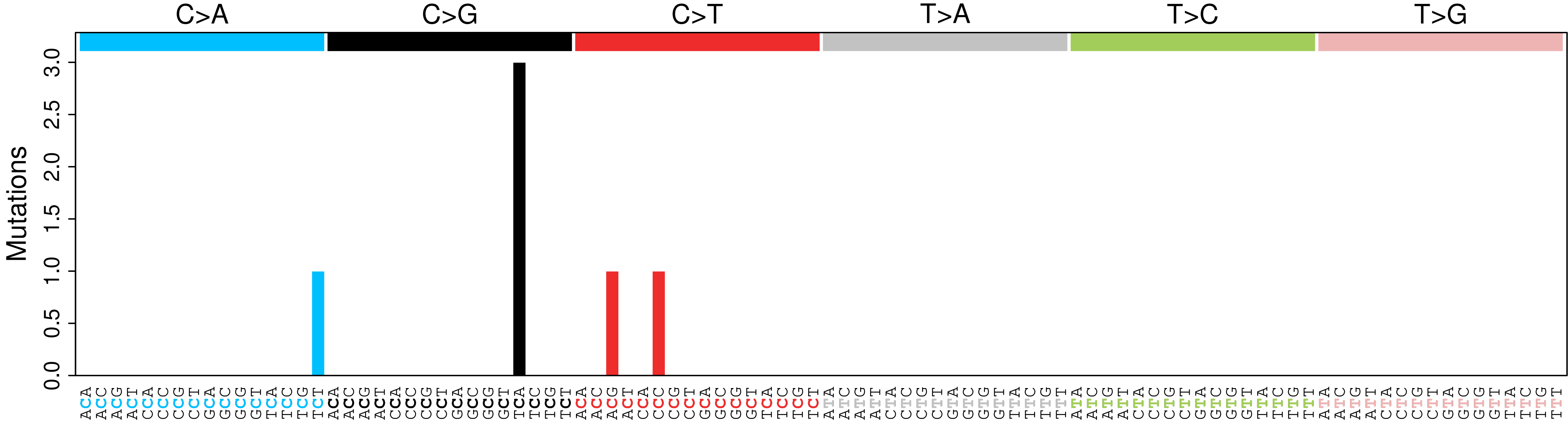
CATD0573a (12 mutations)



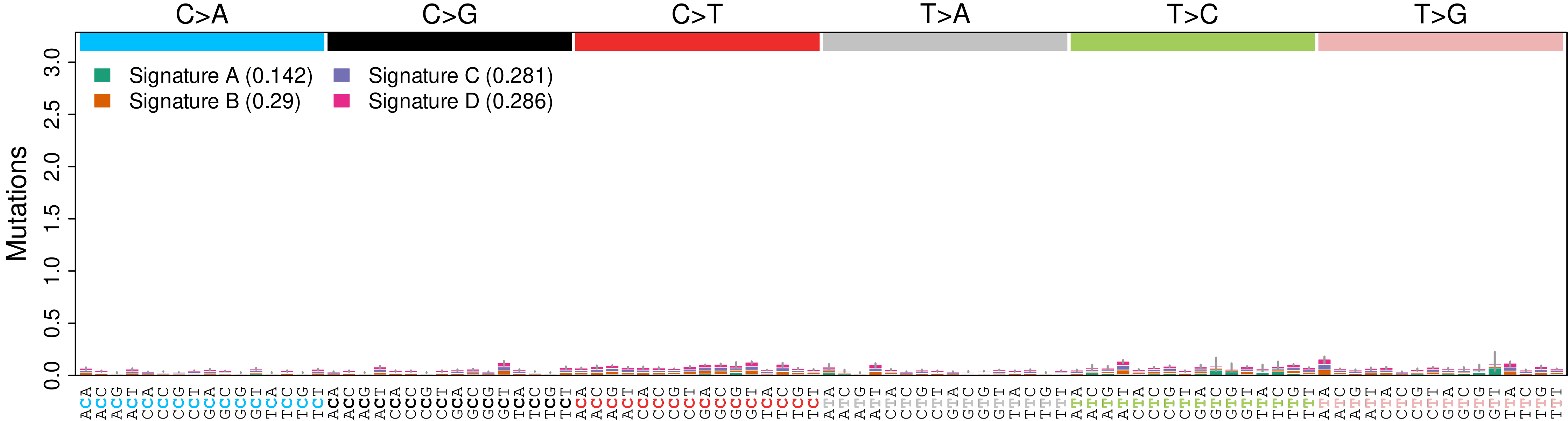
Reconstructed spectrum (cosine similarity = 0.413)



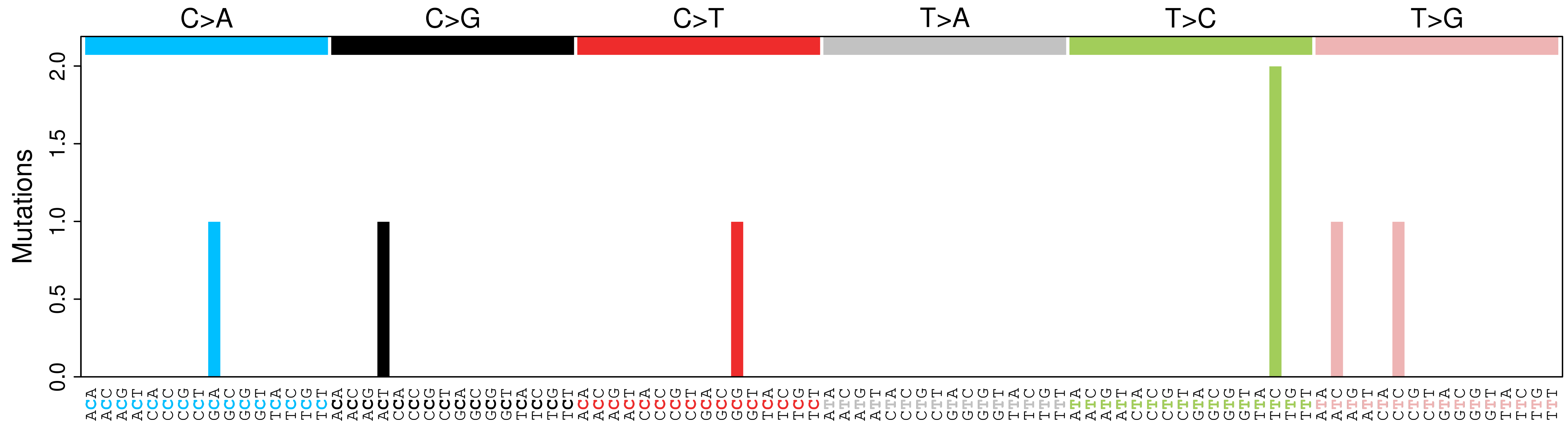
CATD0592a (6 mutations)



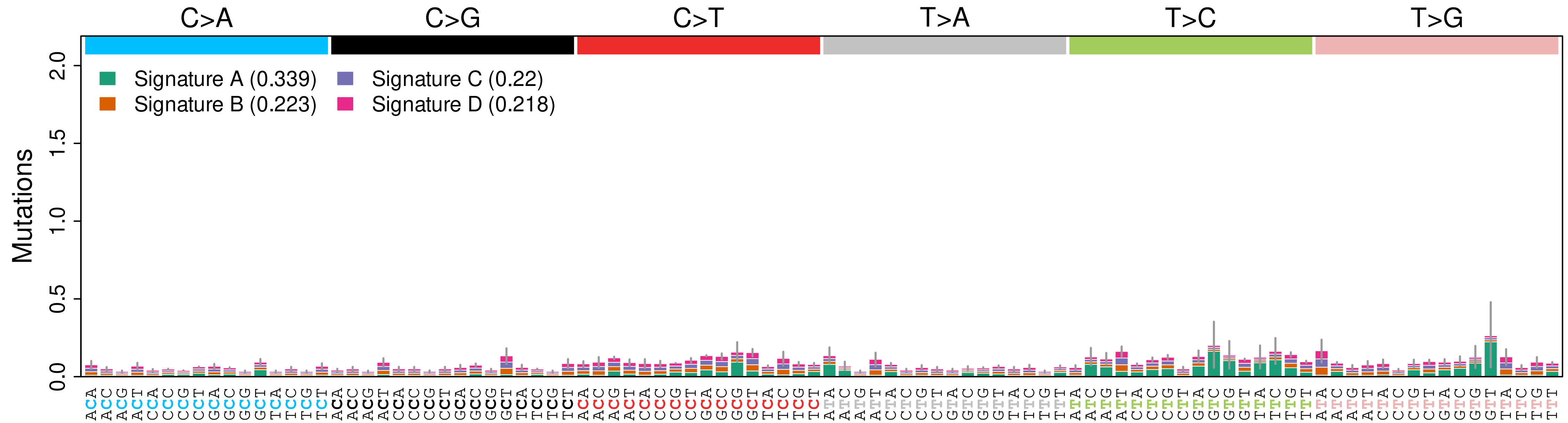
Reconstructed spectrum (cosine similarity = 0.164)



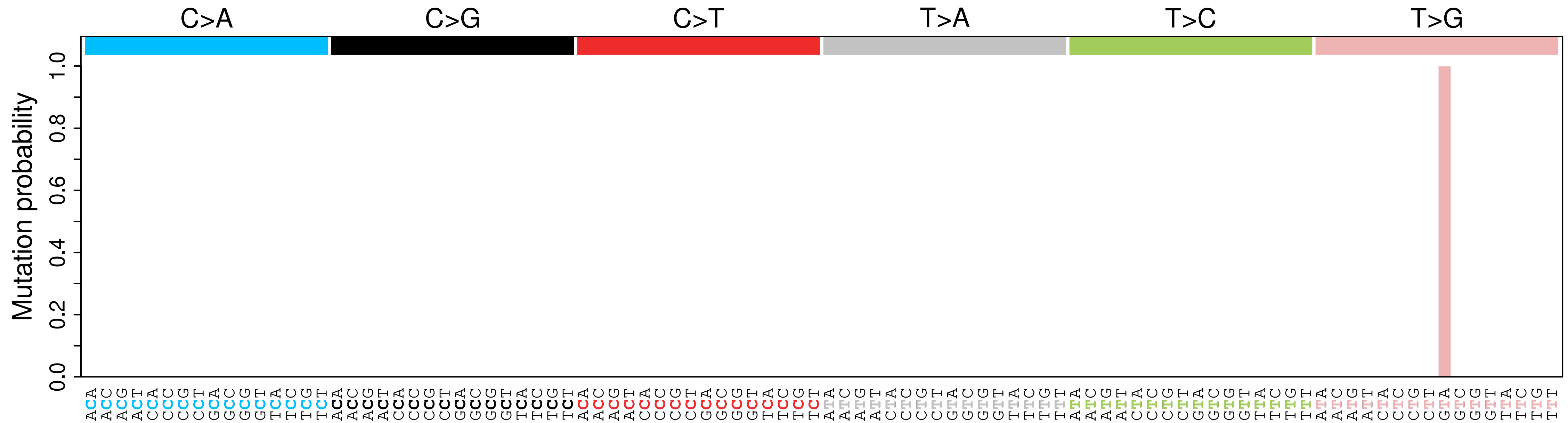
CATD0603a (7 mutations)



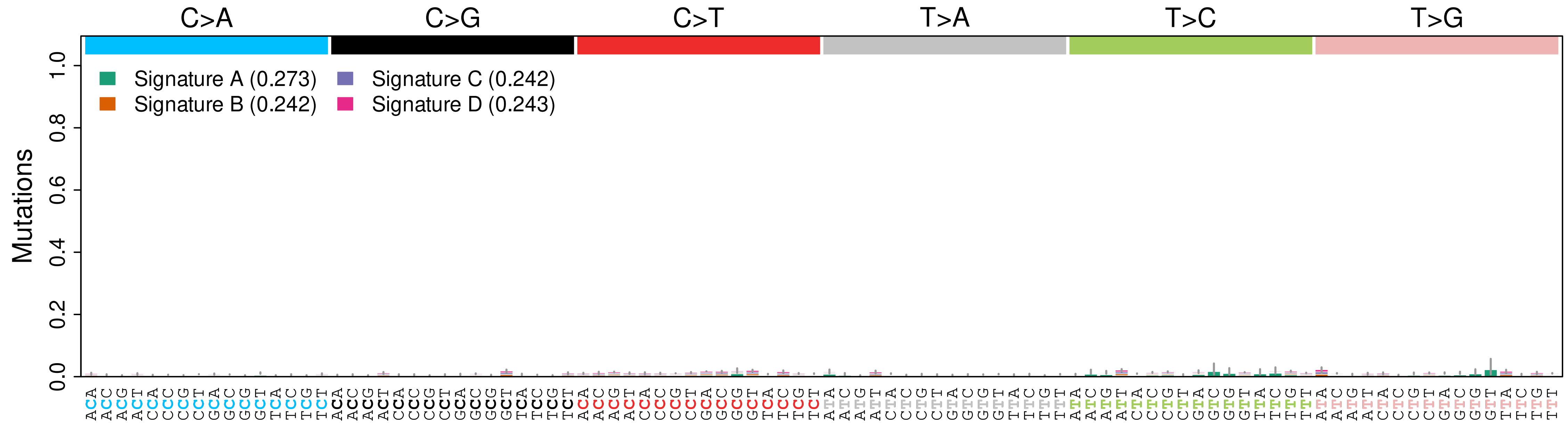
Reconstructed spectrum (cosine similarity = 0.28)



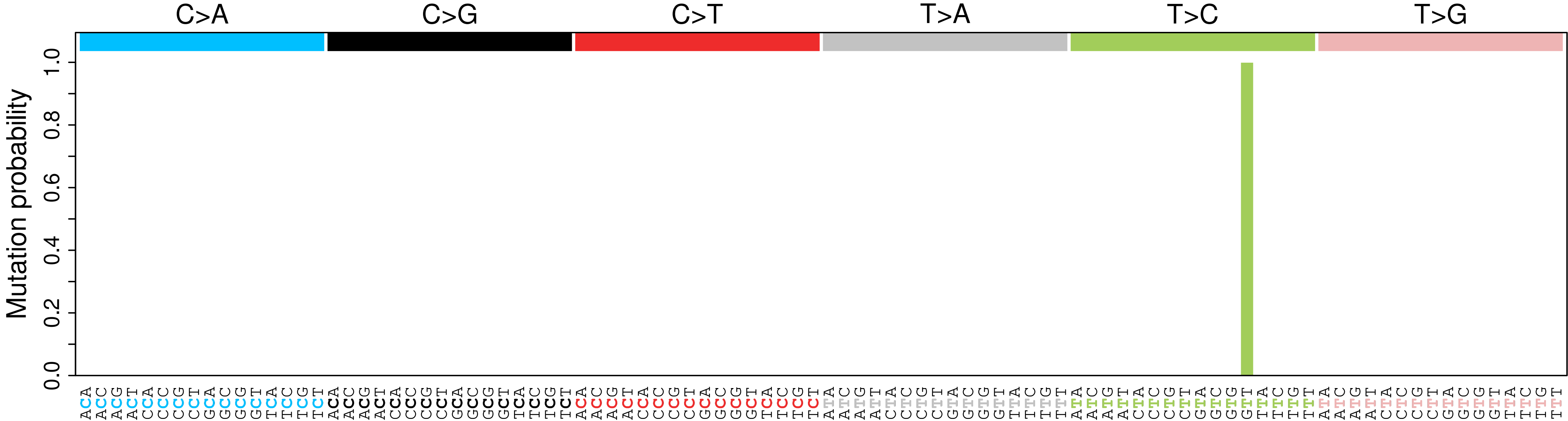
CATD0722a



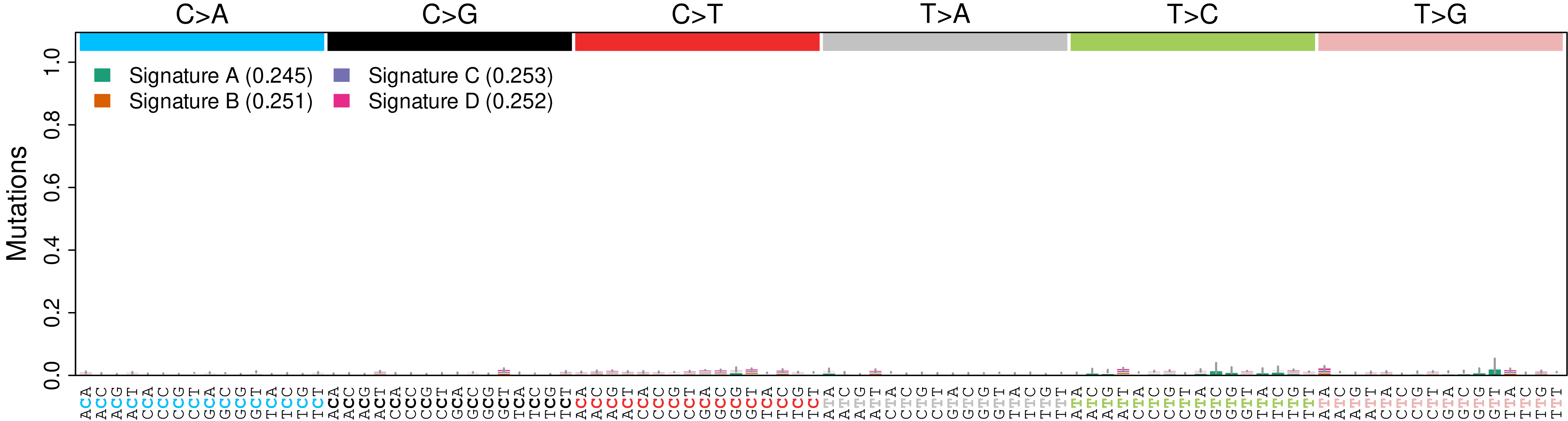
Reconstructed spectrum (cosine similarity = 0.099)



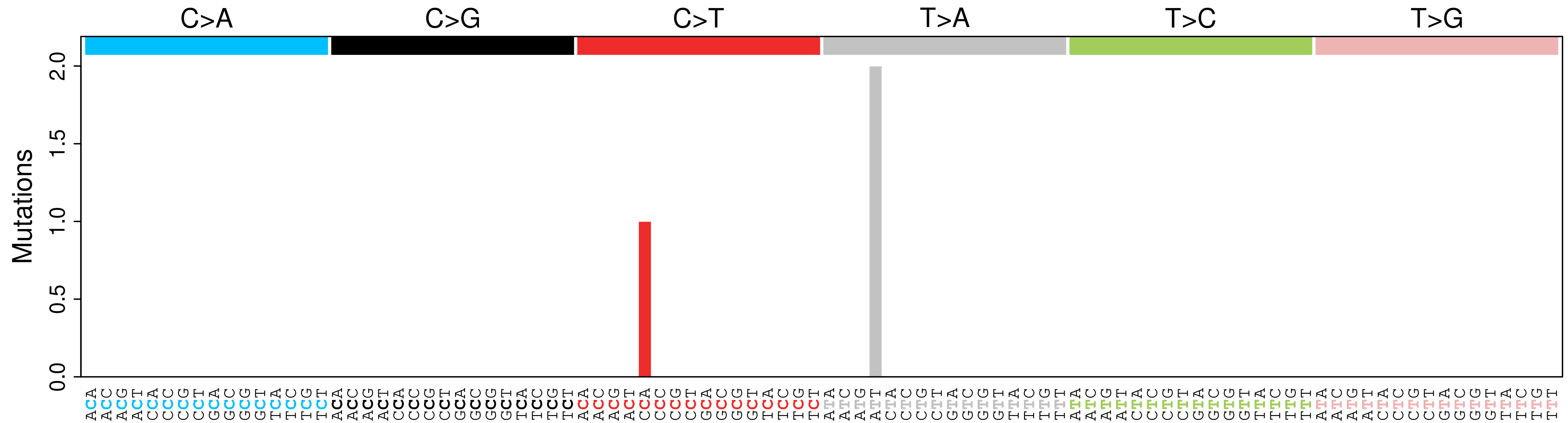
CATD0582a



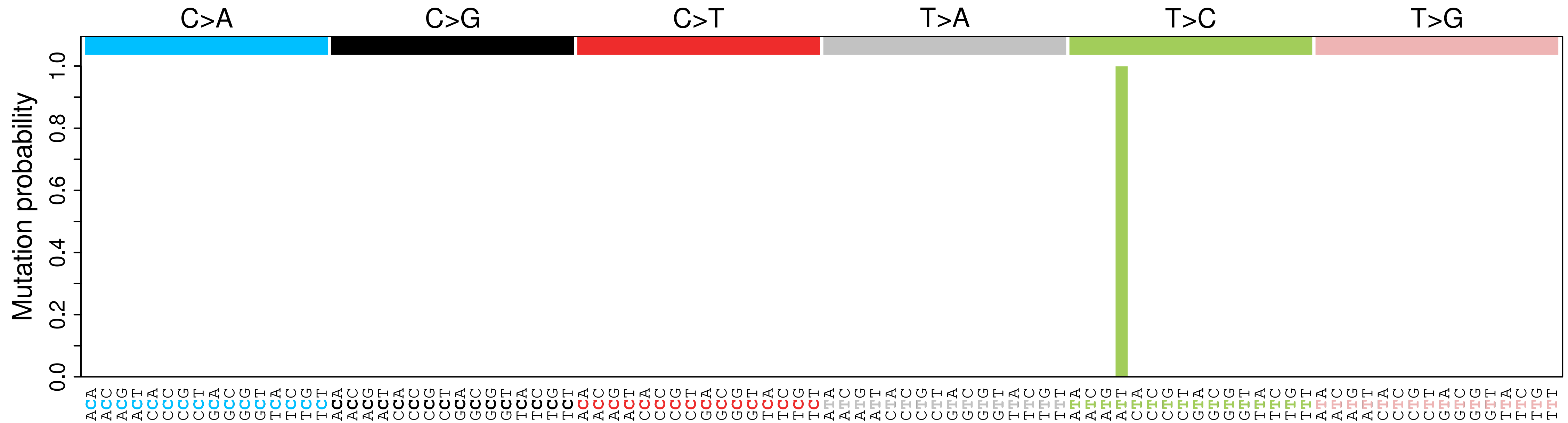
Reconstructed spectrum (cosine similarity = 0.126)



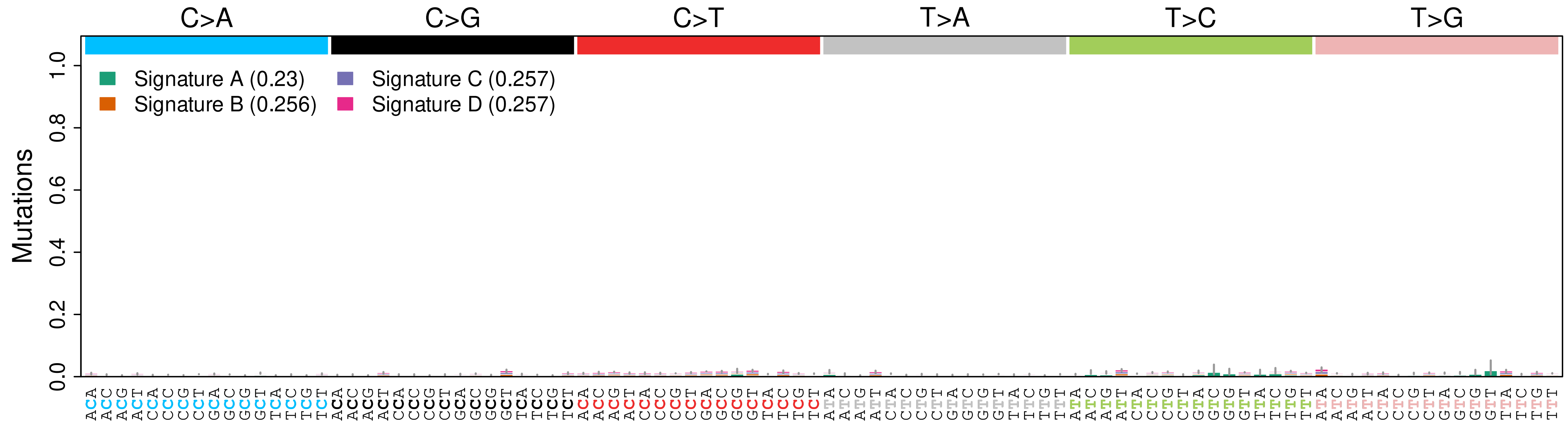
CATD0585a (3 mutations)



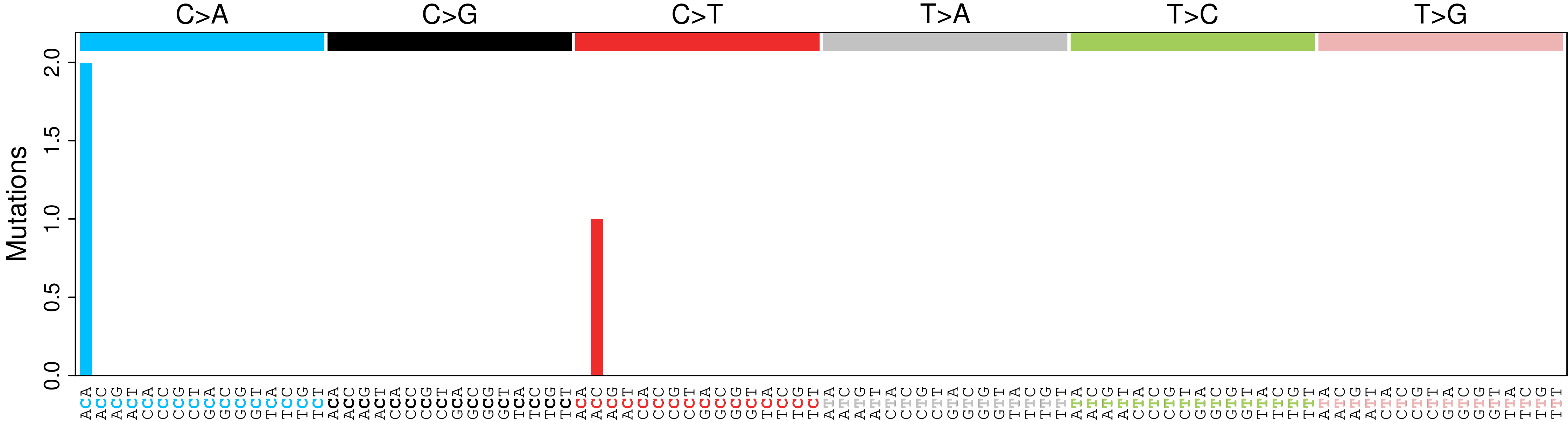
CATD0593a



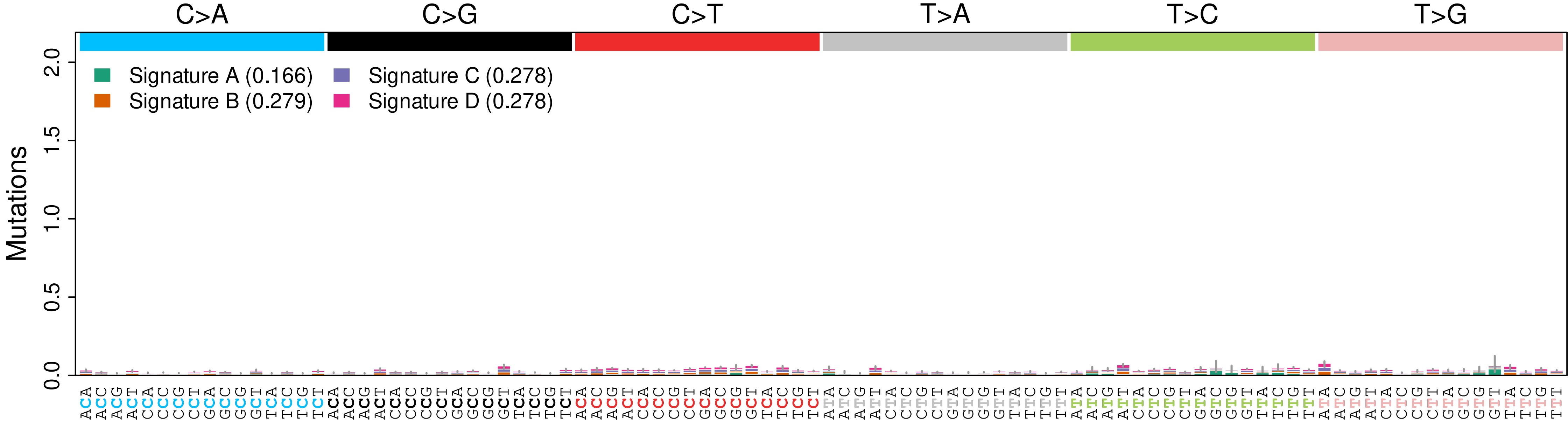
Reconstructed spectrum (cosine similarity = 0.193)



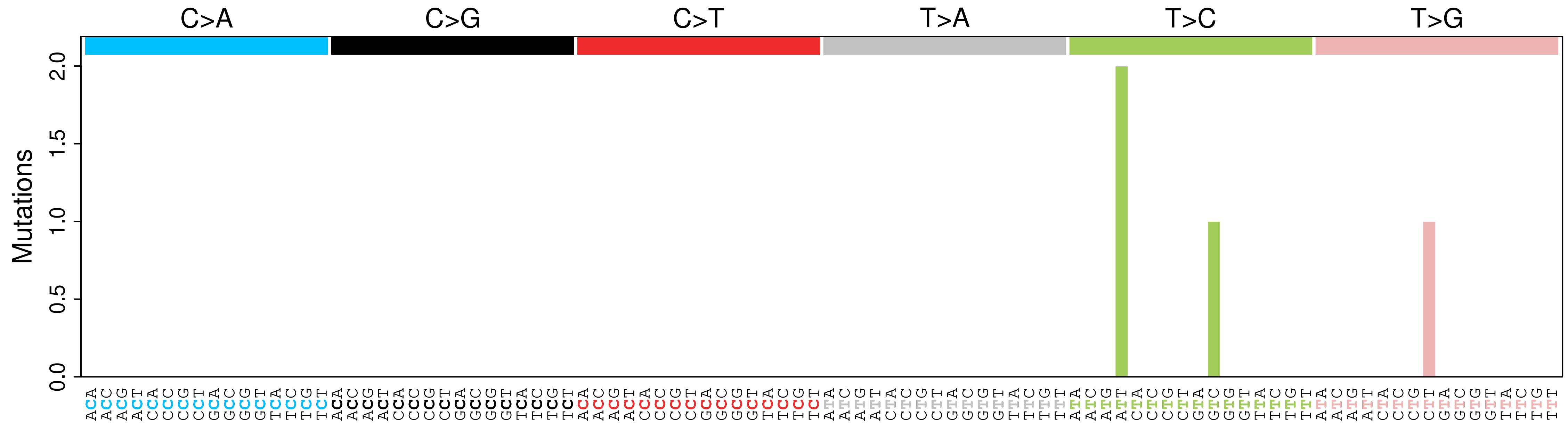
CATD0581a (3 mutations)



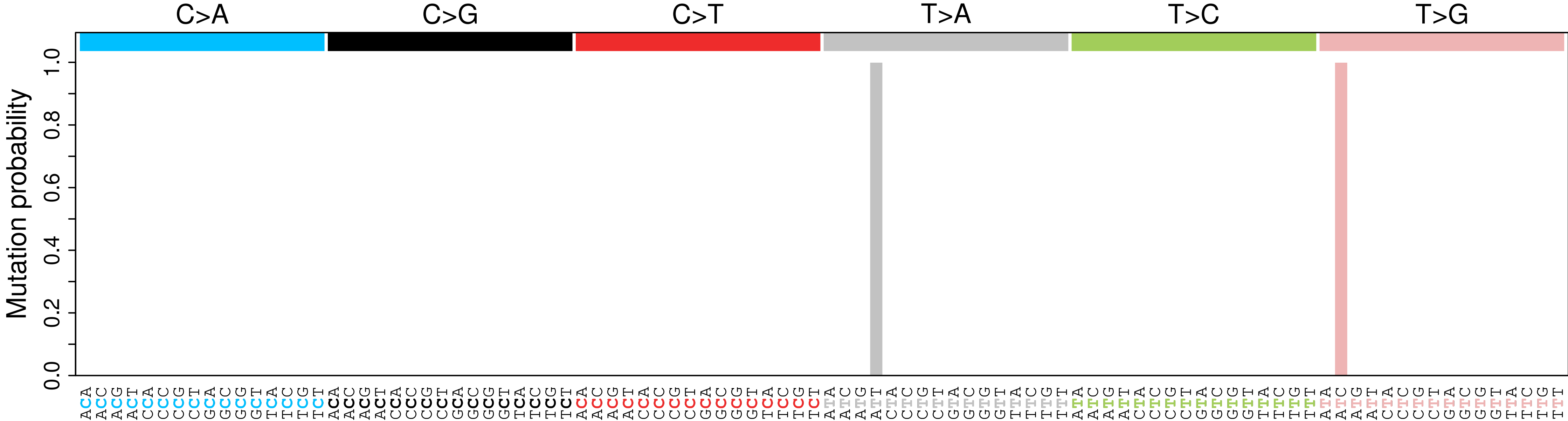
Reconstructed spectrum (cosine similarity = 0.145)



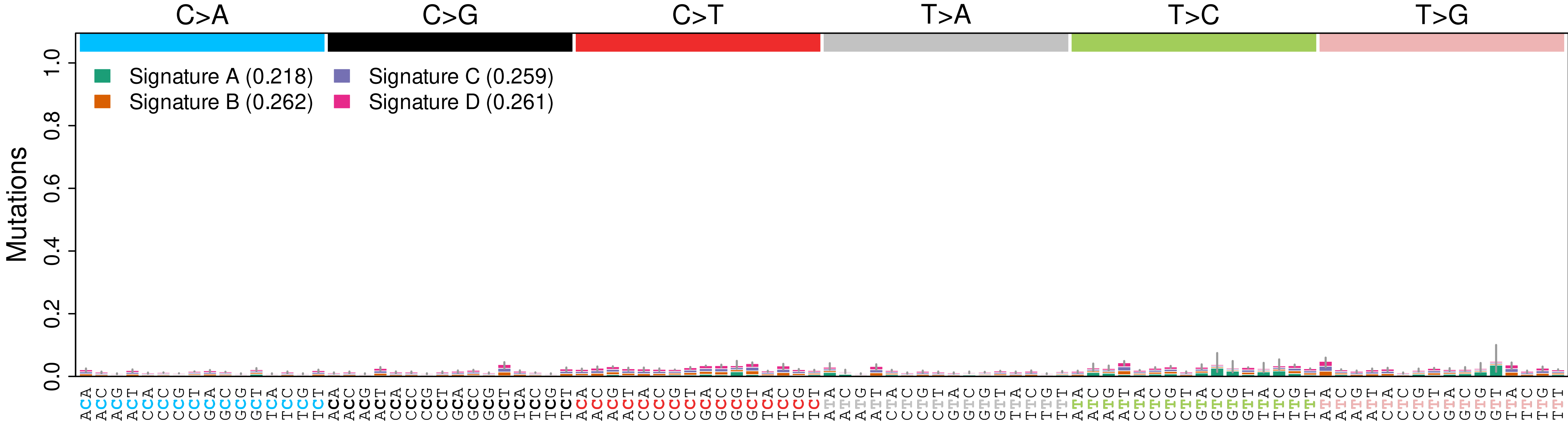
CATD0736a (4 mutations)



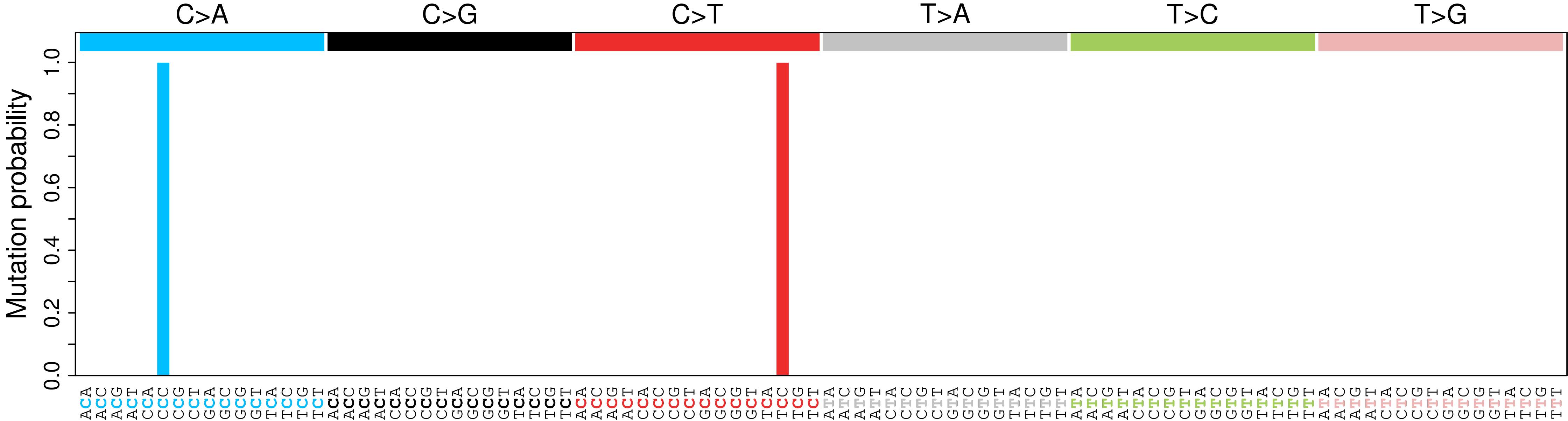
CATD0596a



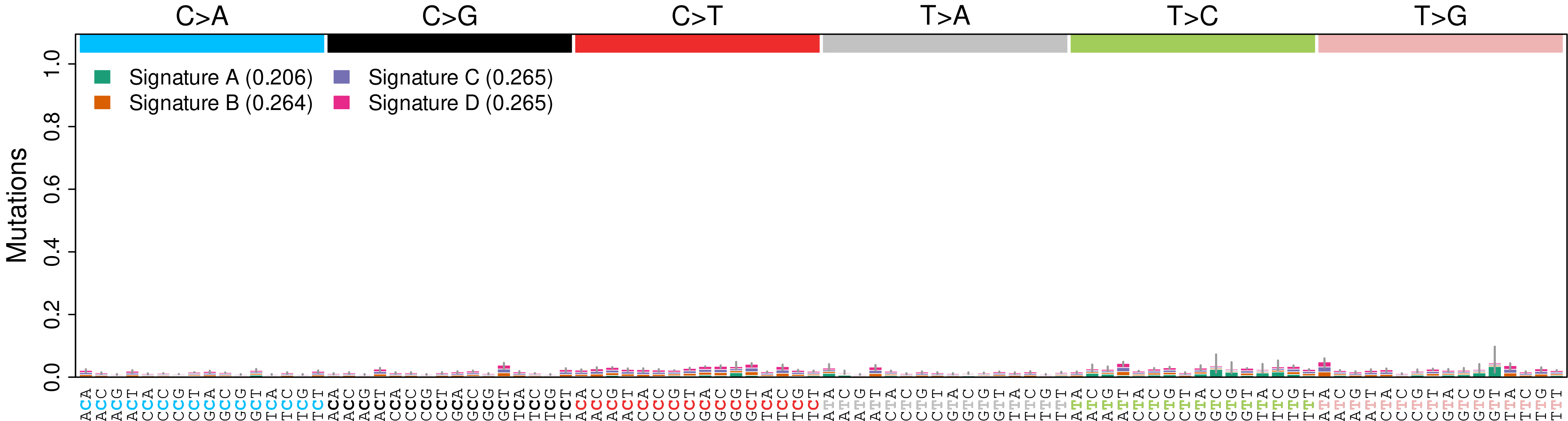
Reconstructed spectrum (cosine similarity = 0.167)

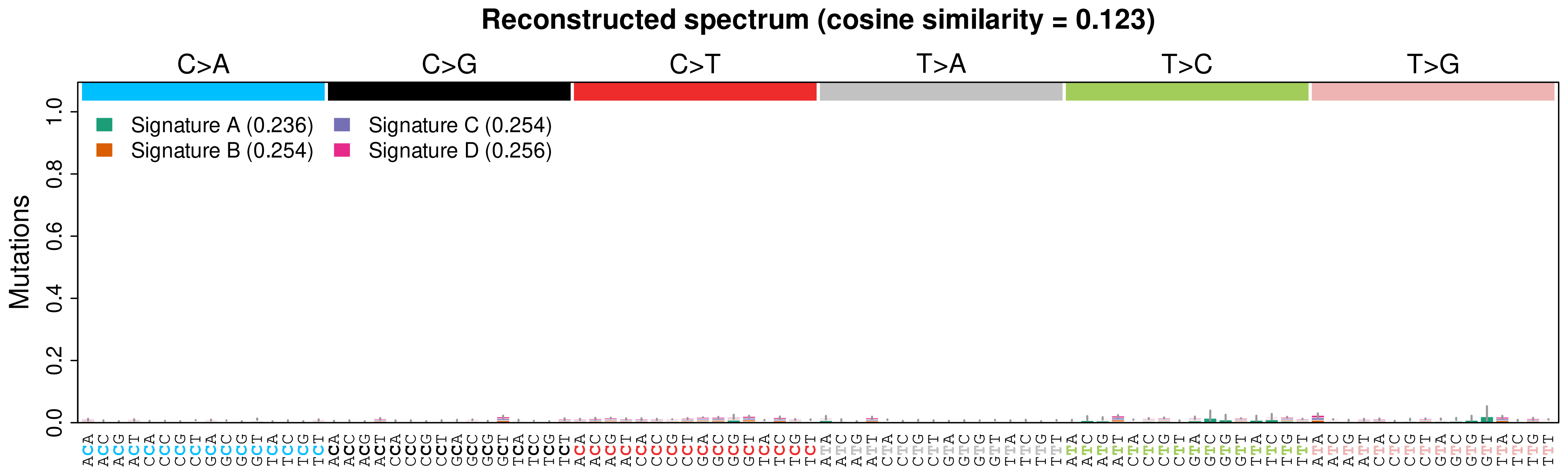
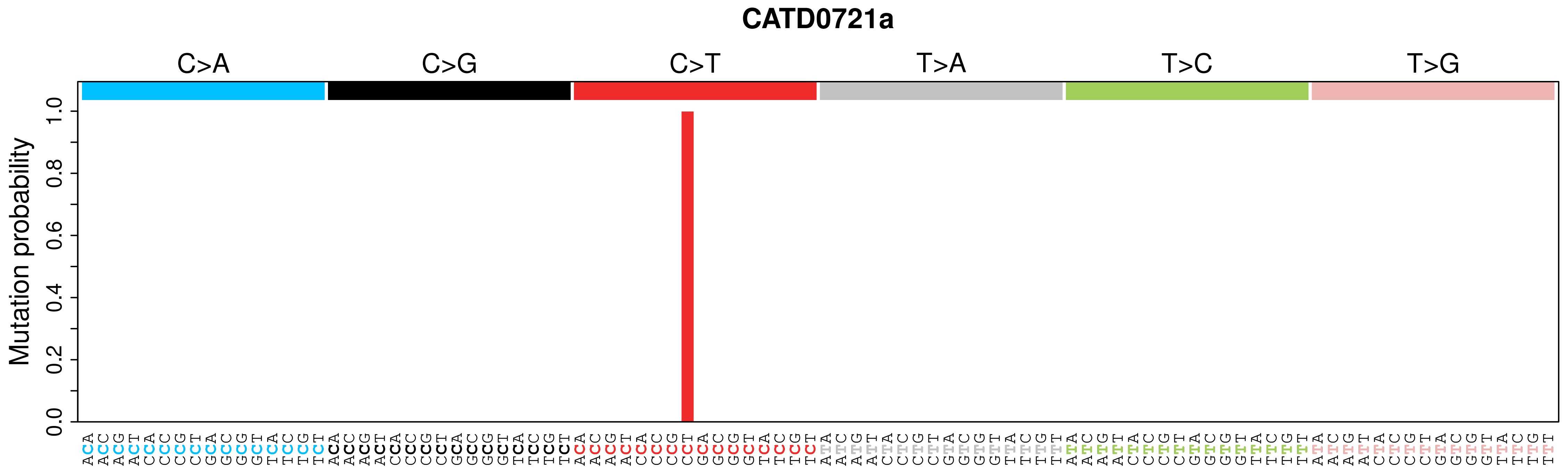


CATD0719a

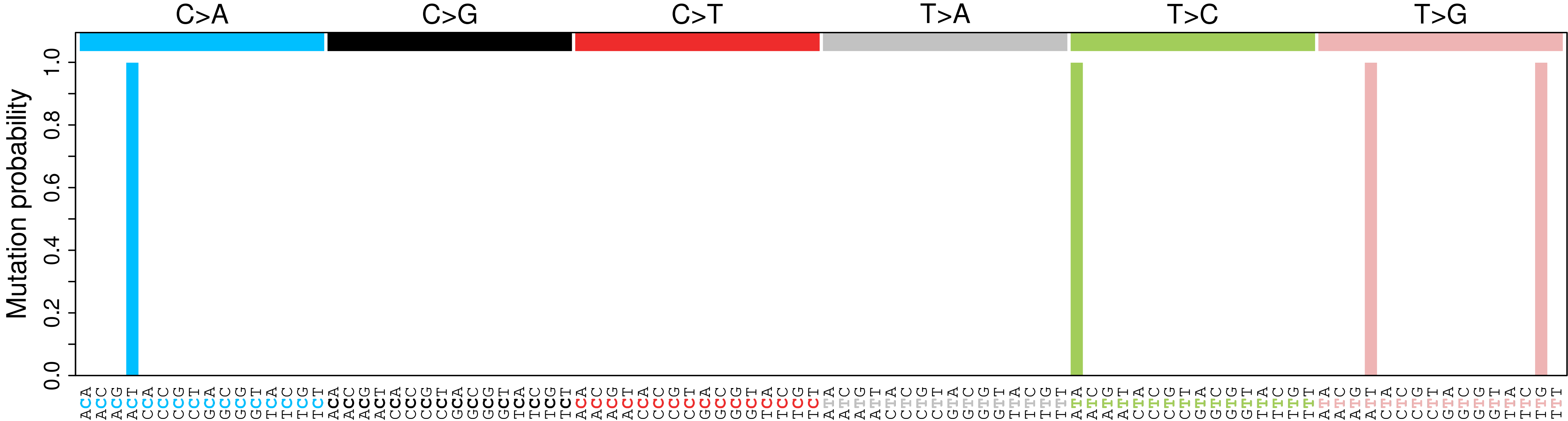


Reconstructed spectrum (cosine similarity = 0.146)





CATD0720a



Reconstructed spectrum (cosine similarity = 0.195)

