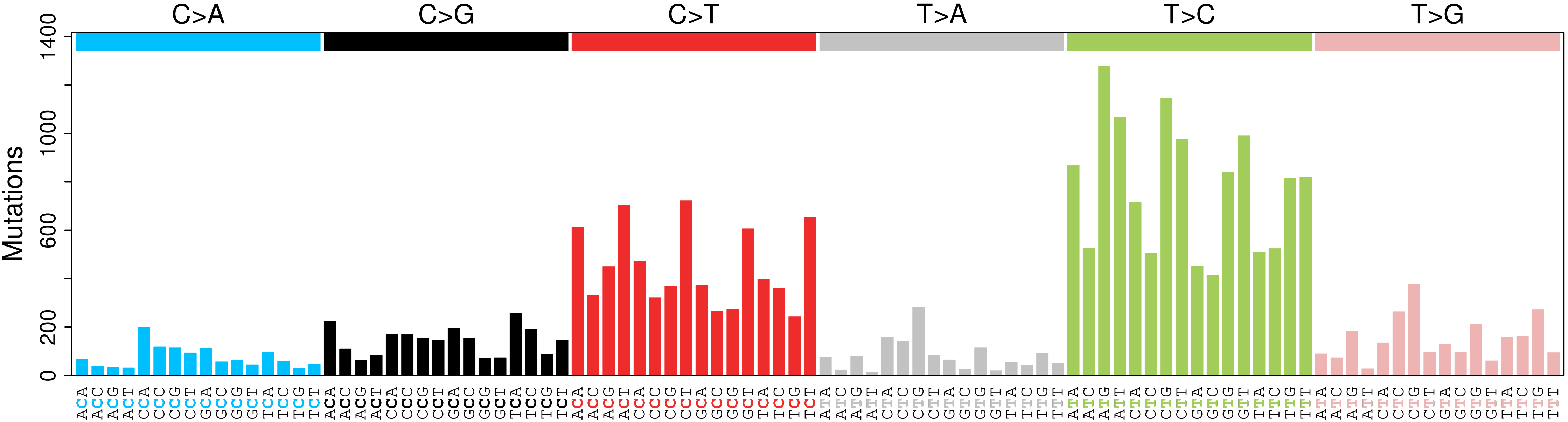
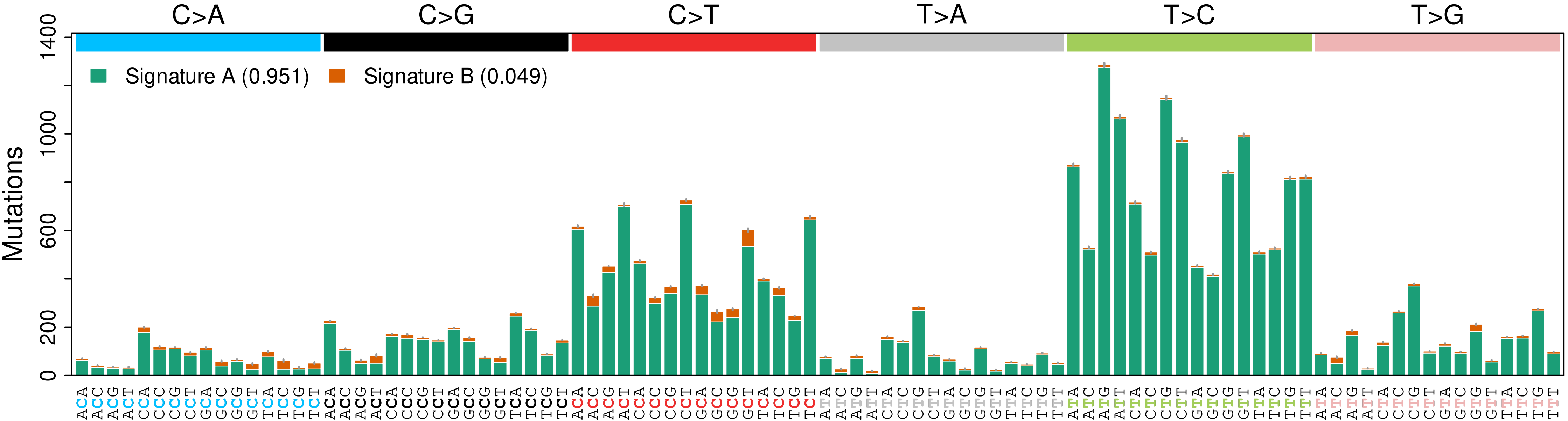


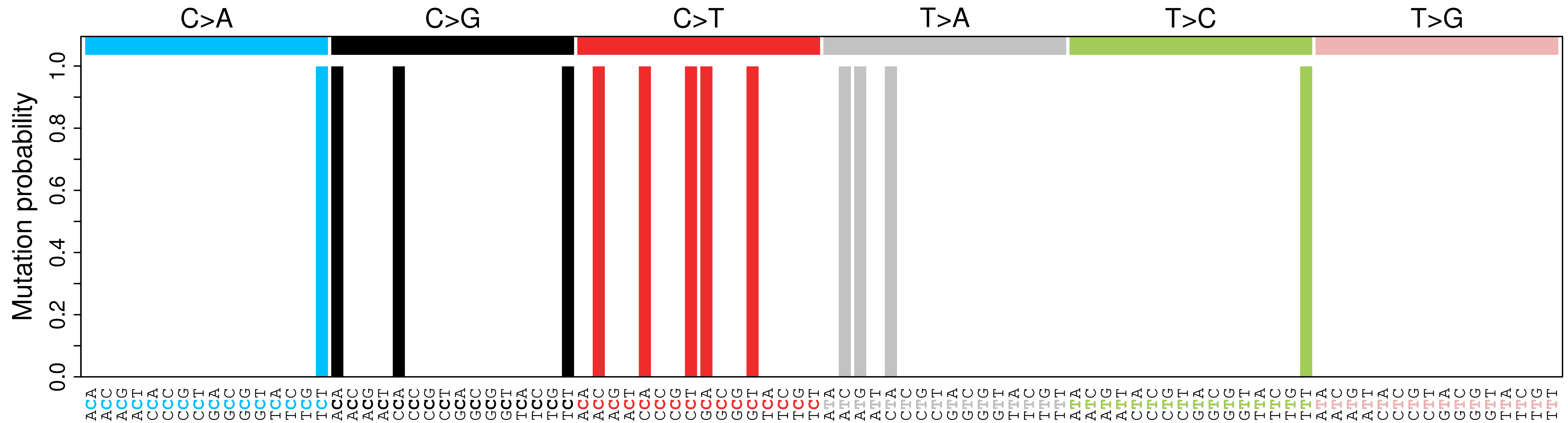
CATD309a (27,083 mutations)



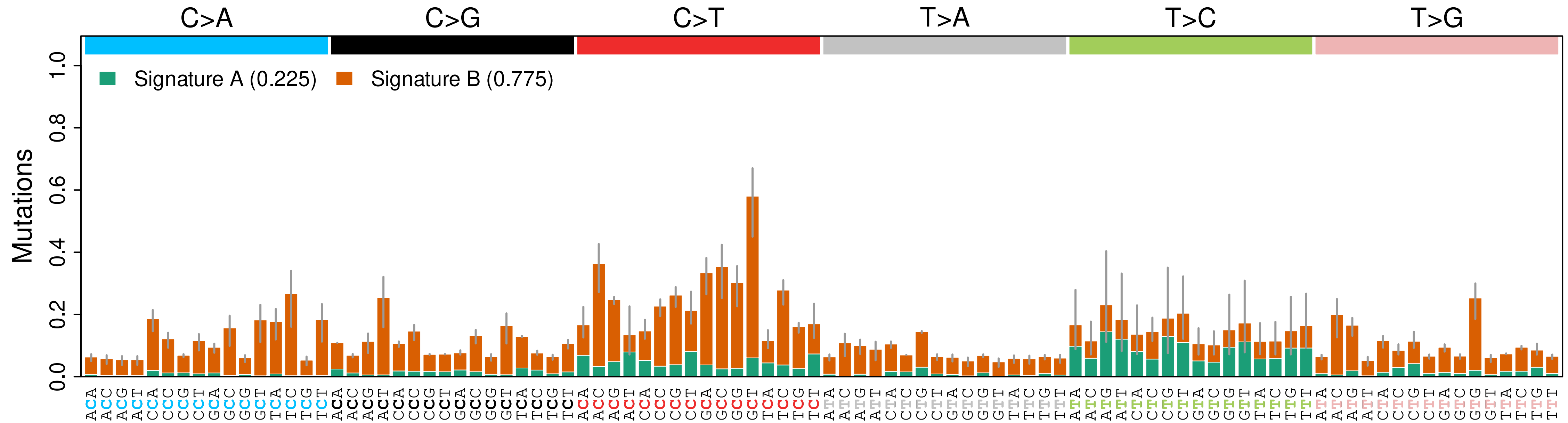
Reconstructed spectrum (cosine similarity = 1)



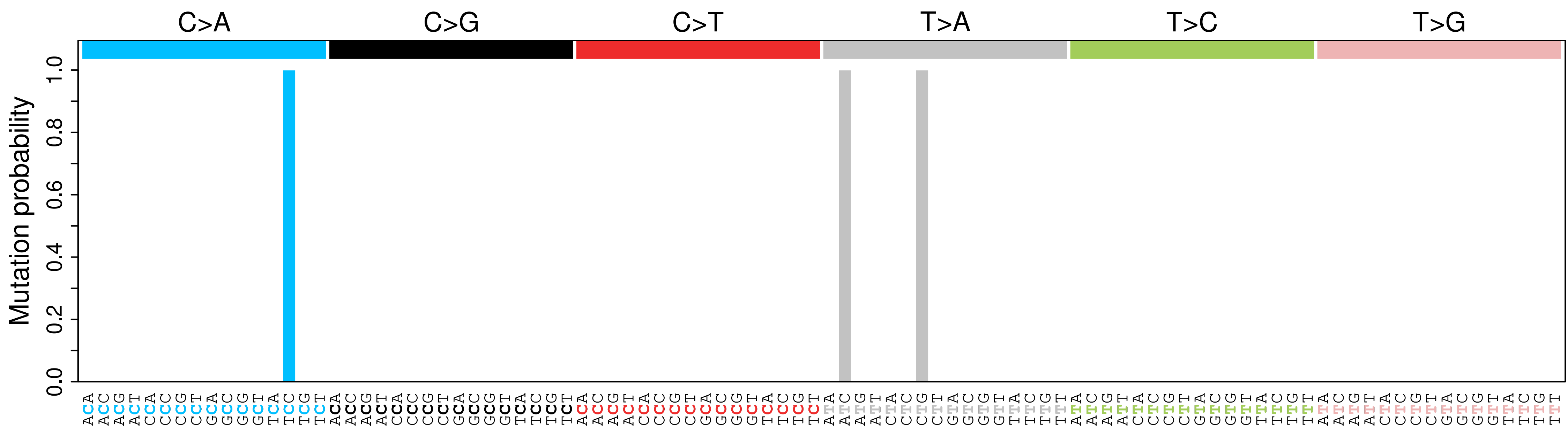
CATD319a



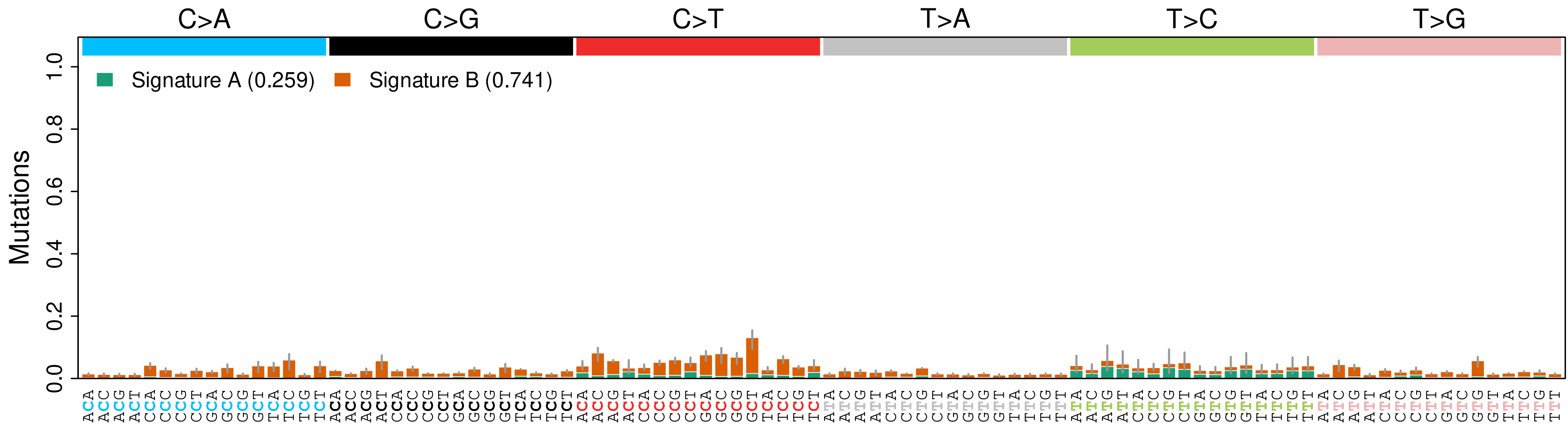
Reconstructed spectrum (cosine similarity = 0.462)



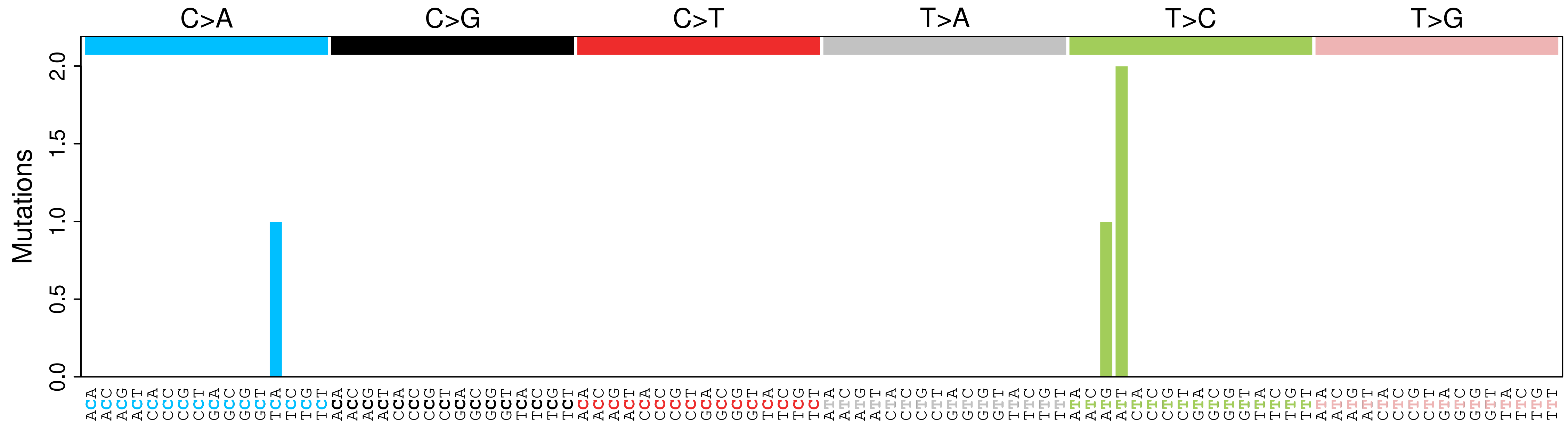
CATD310a



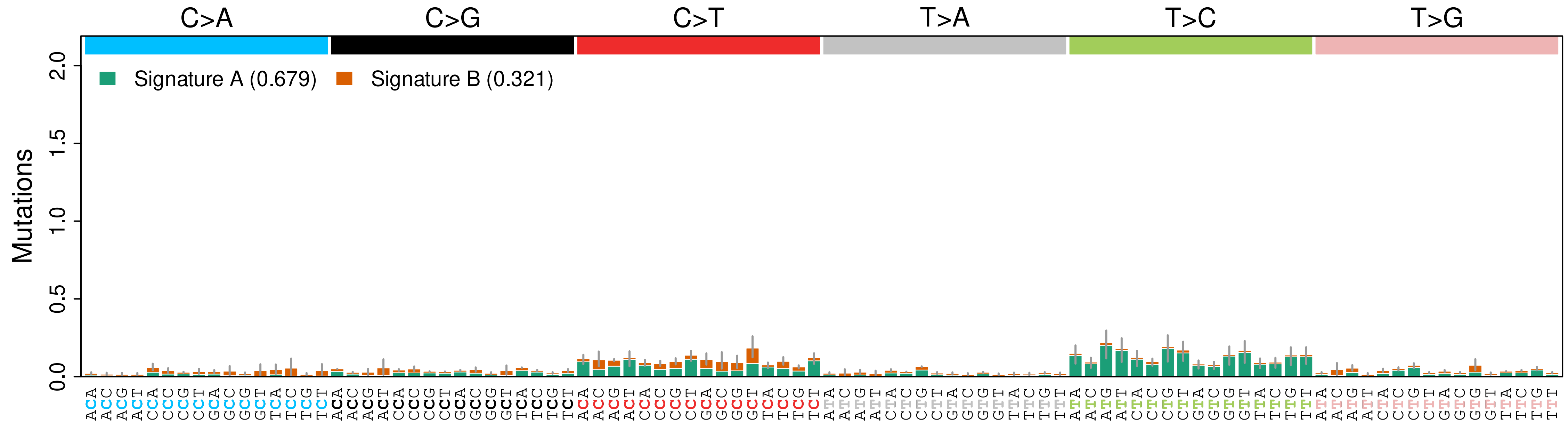
Reconstructed spectrum (cosine similarity = 0.186)



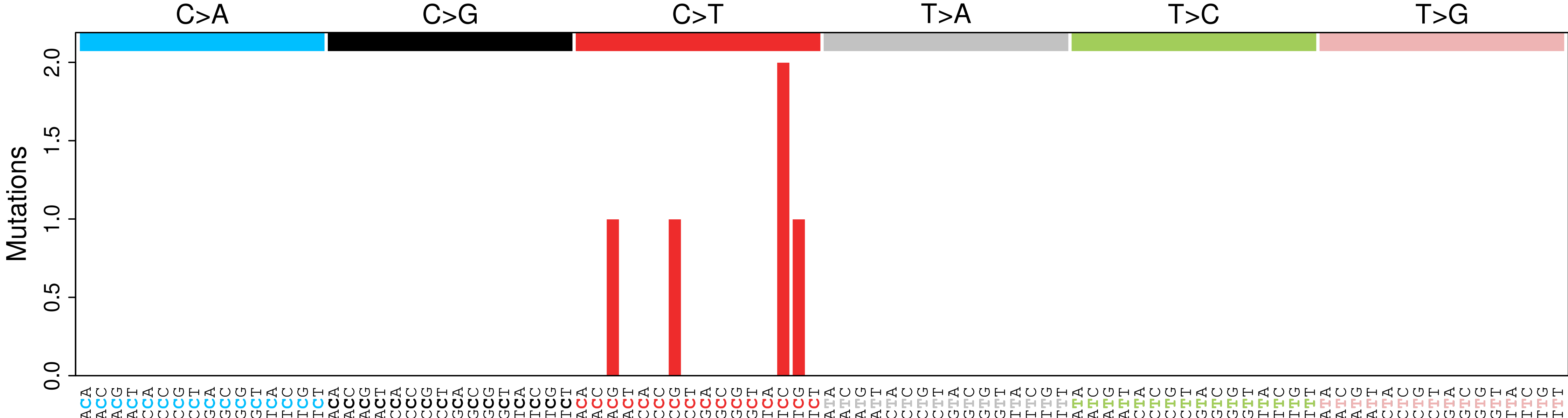
CATD297a (4 mutations)



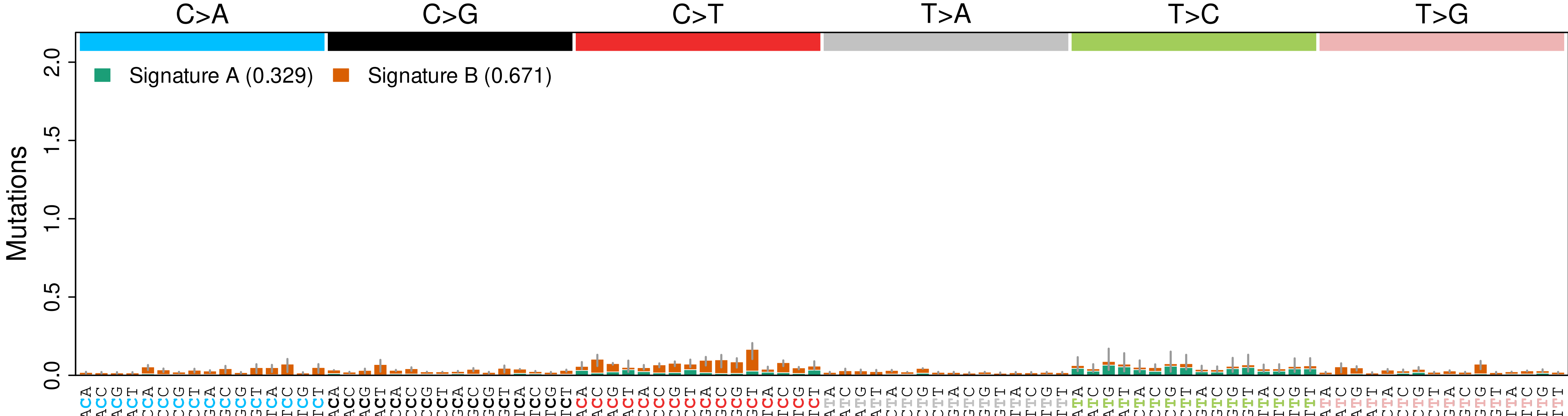
Reconstructed spectrum (cosine similarity = 0.329)



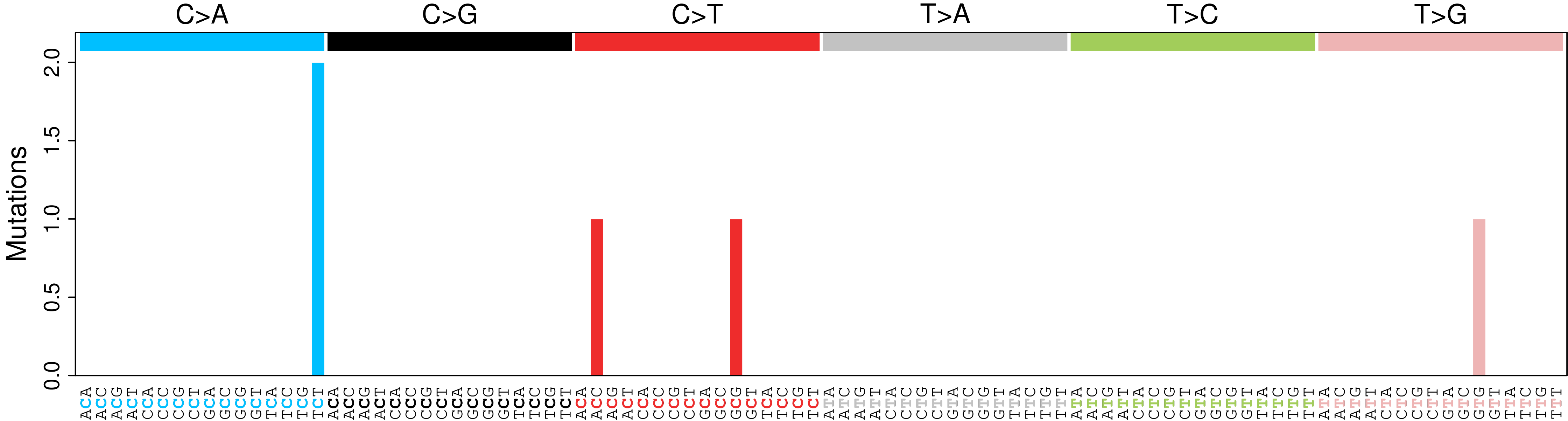
CATD312a (5 mutations)



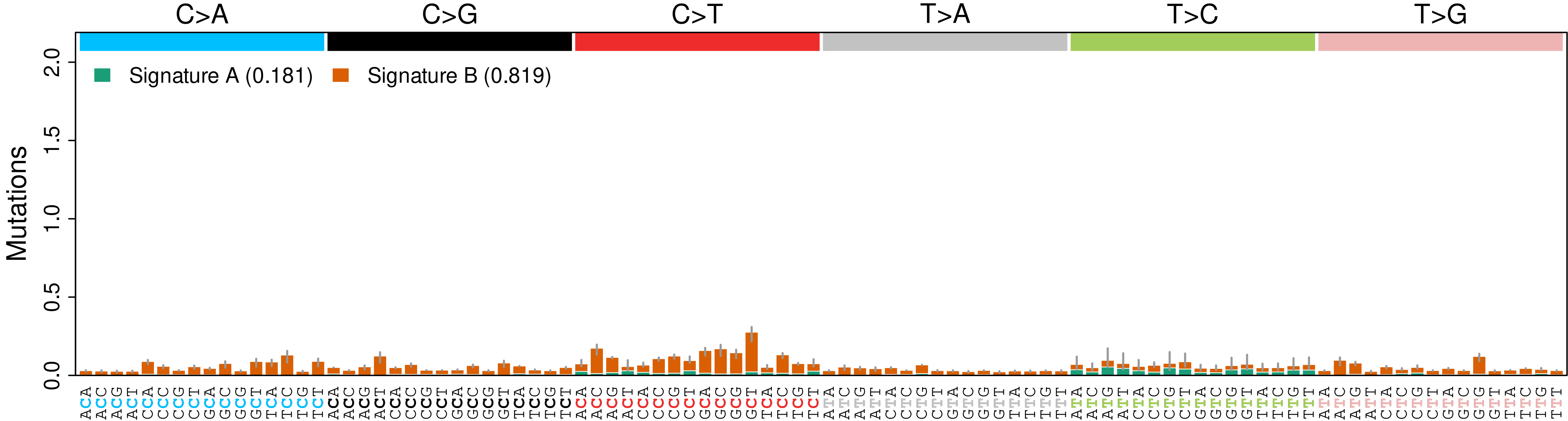
Reconstructed spectrum (cosine similarity = 0.284)



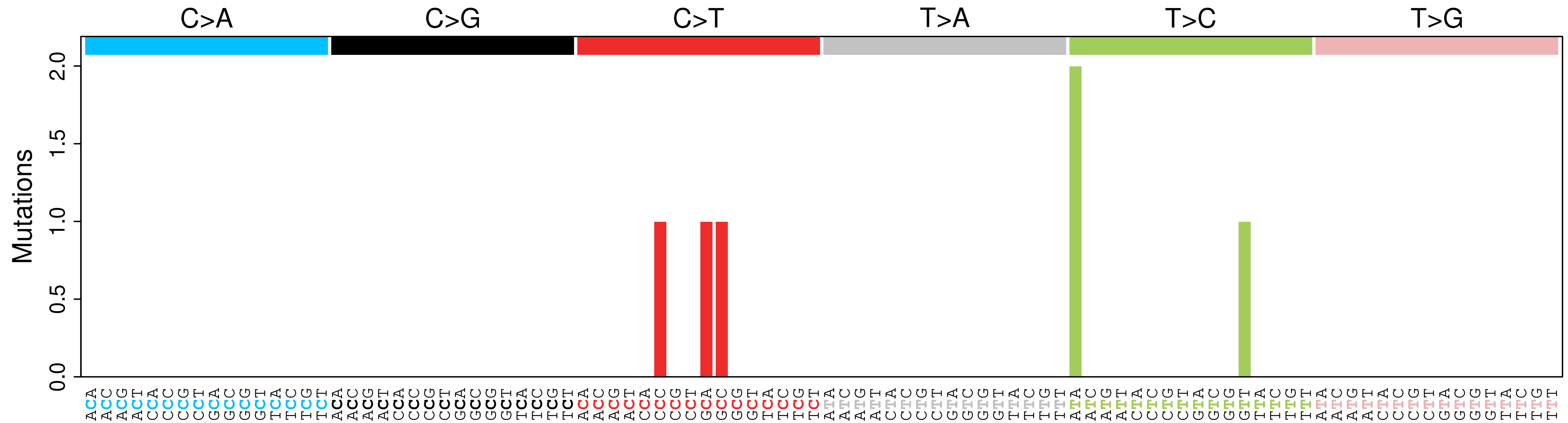
CATD323a (5 mutations)



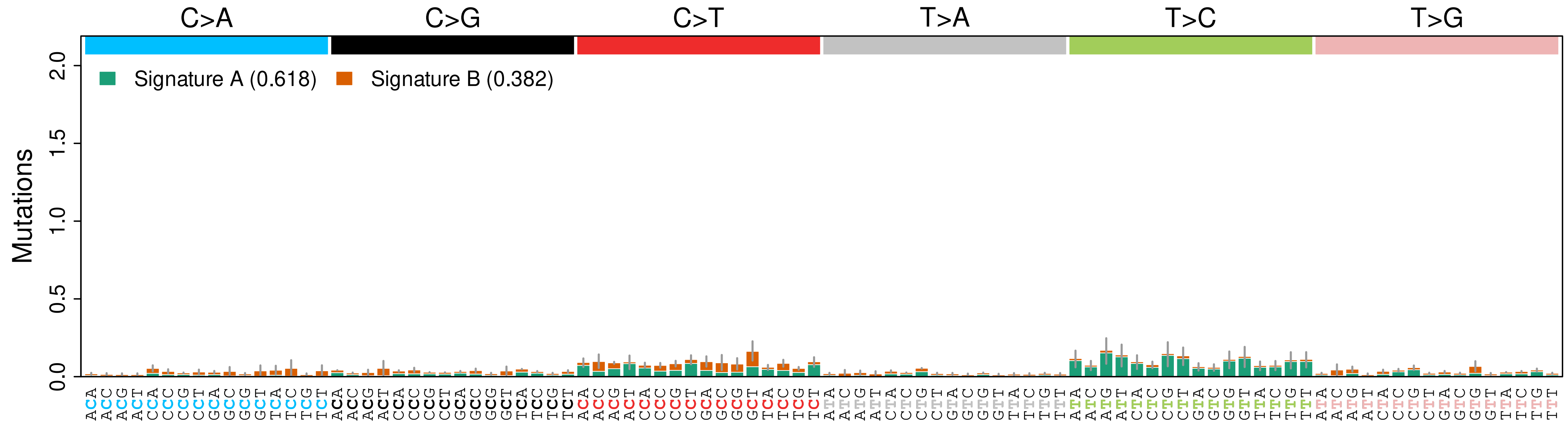
Reconstructed spectrum (cosine similarity = 0.319)



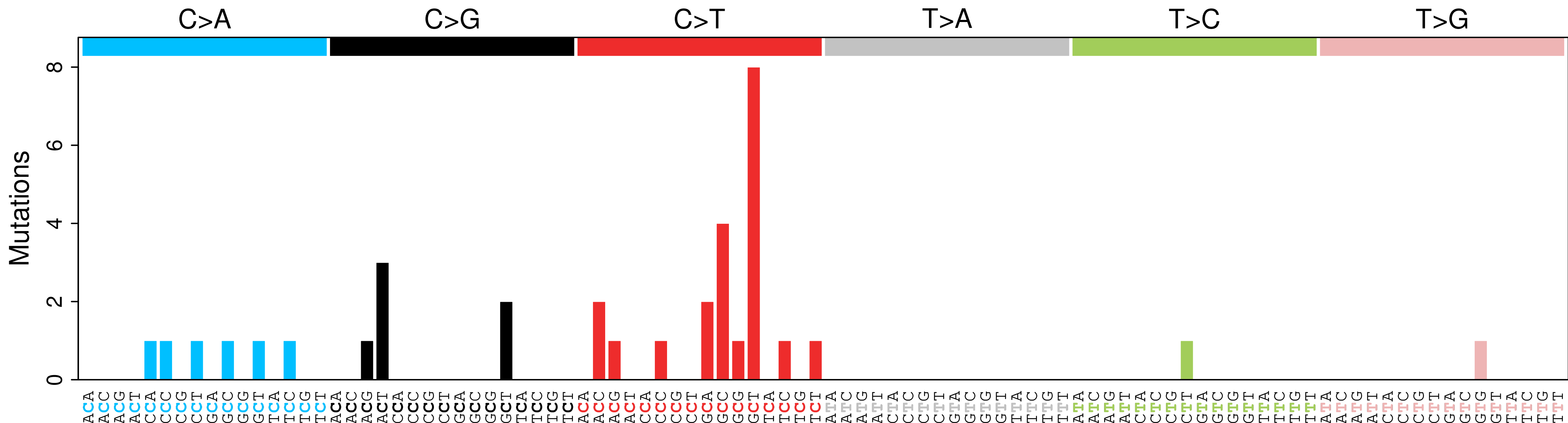
CATD314a (6 mutations)



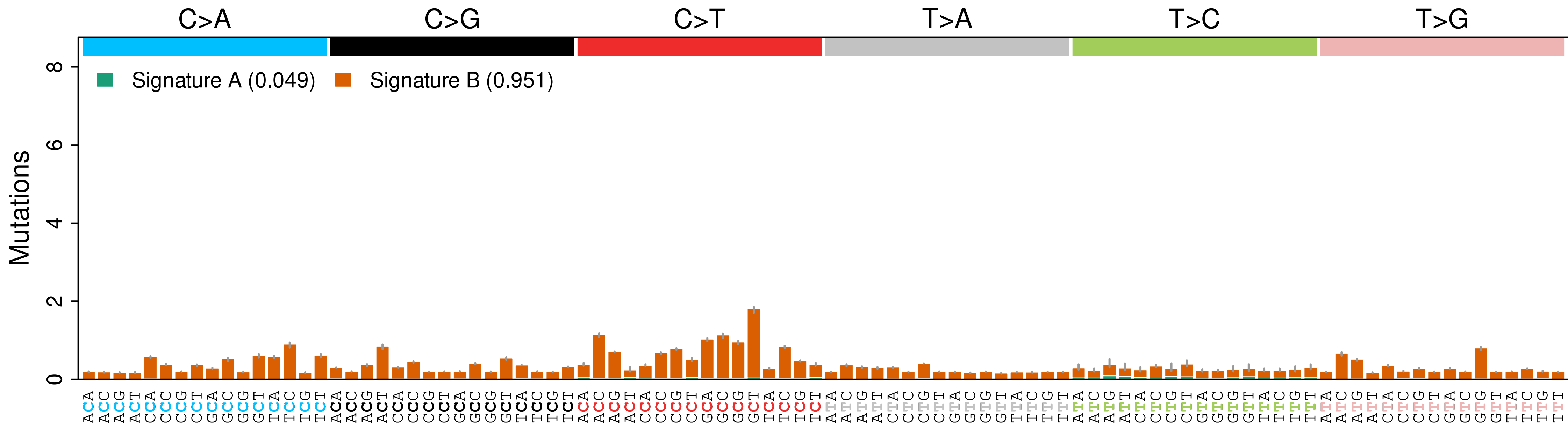
Reconstructed spectrum (cosine similarity = 0.348)



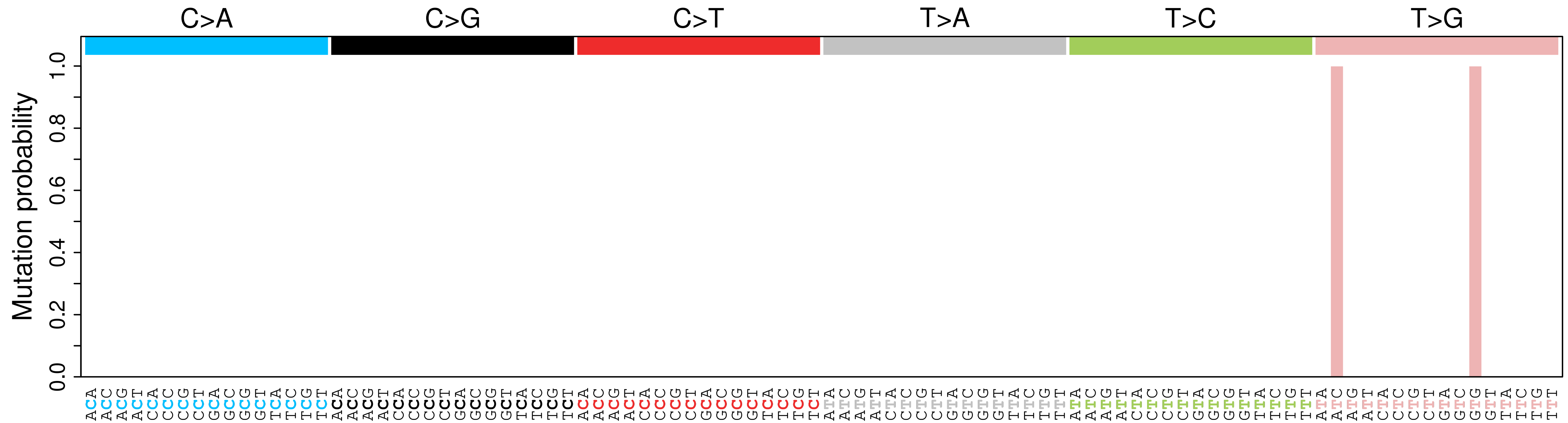
CATD329a (35 mutations)



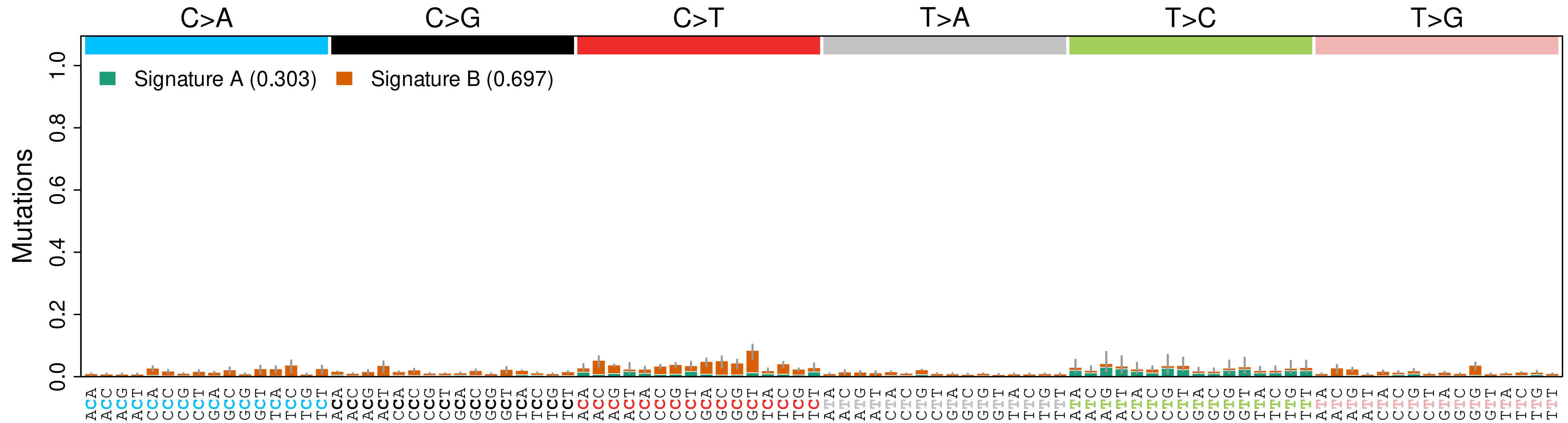
Reconstructed spectrum (cosine similarity = 0.727)



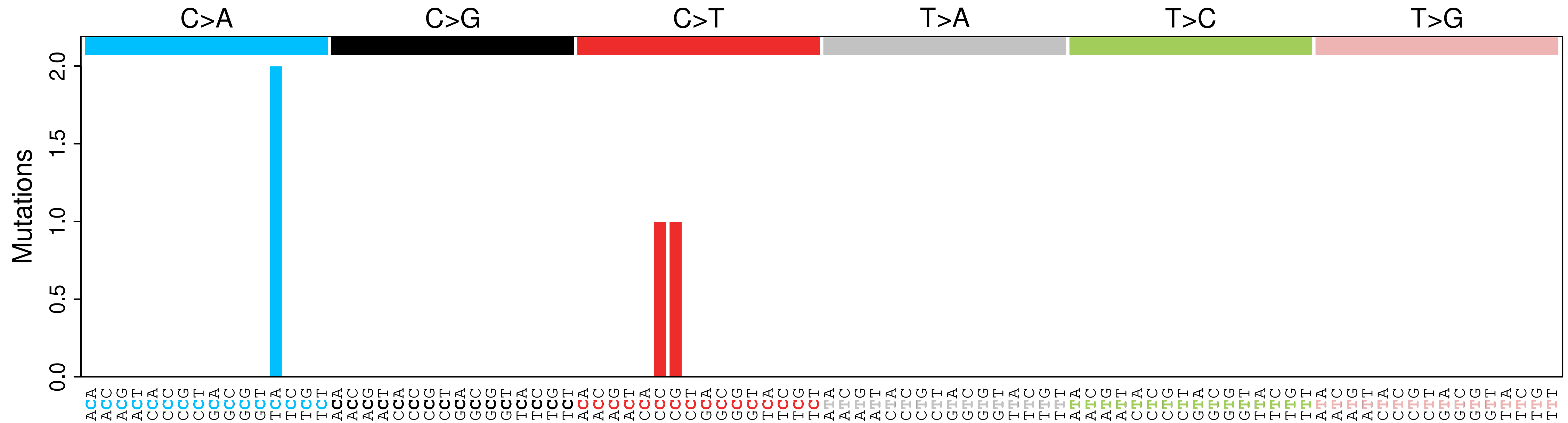
CATD311a



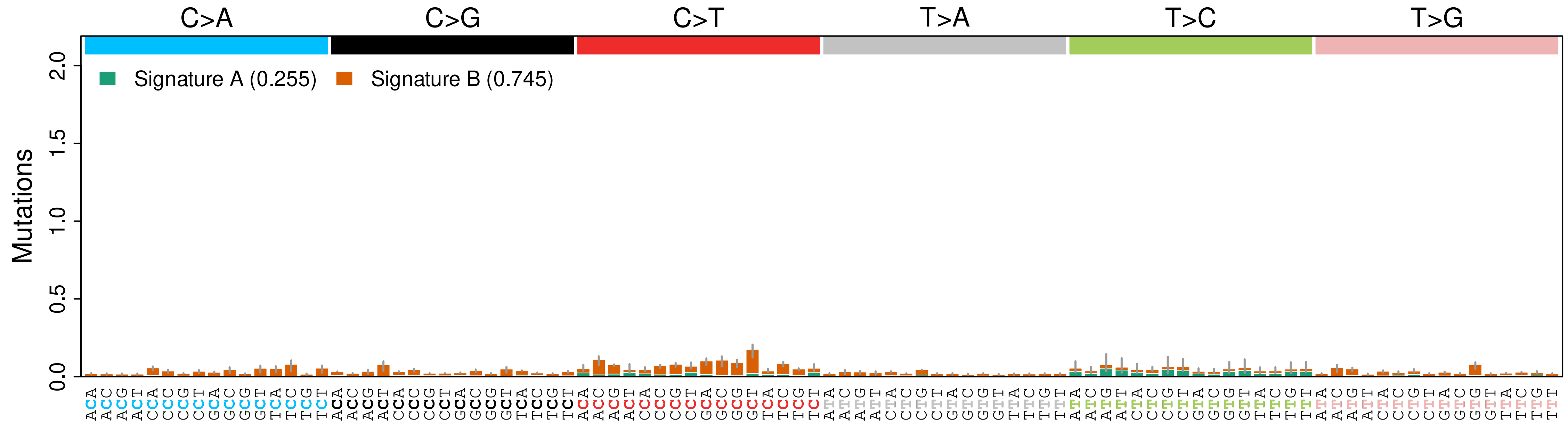
Reconstructed spectrum (cosine similarity = 0.189)



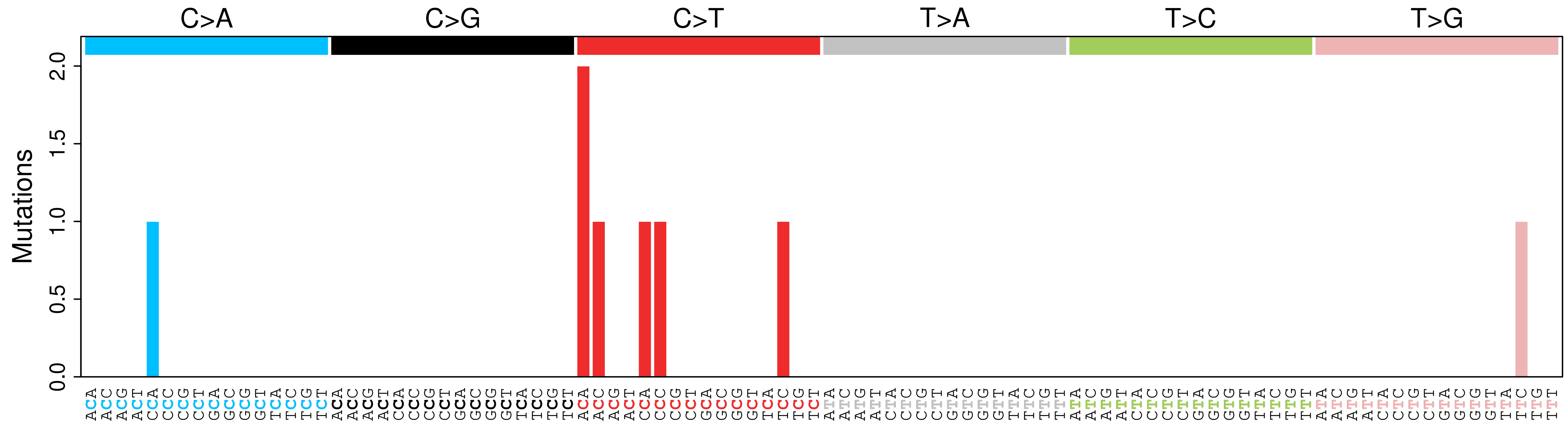
CATD306a (4 mutations)



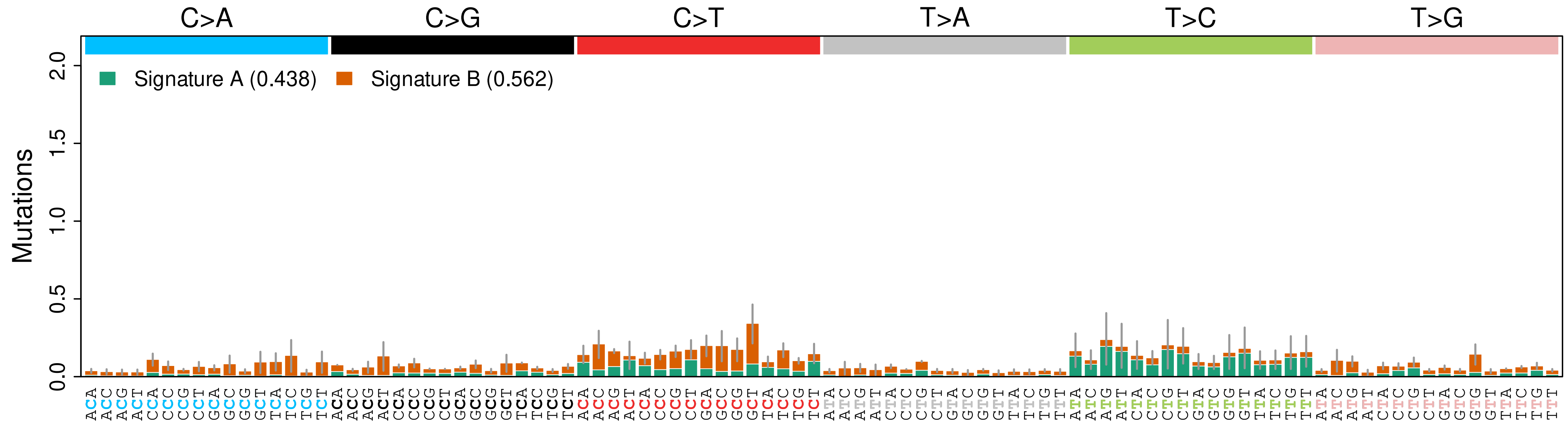
Reconstructed spectrum (cosine similarity = 0.215)



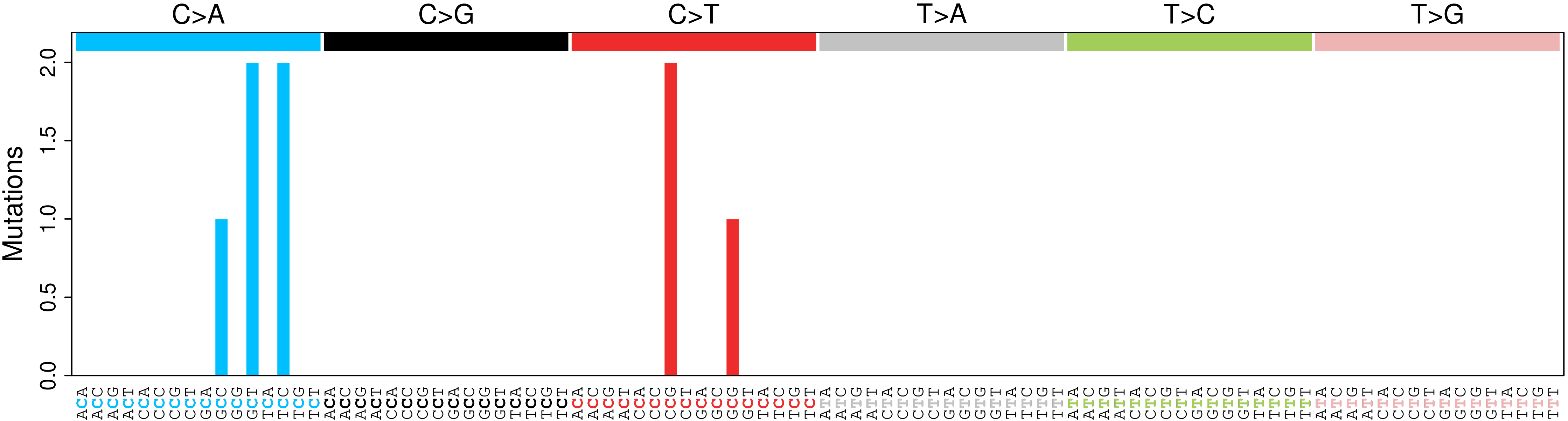
CATD320a (8 mutations)



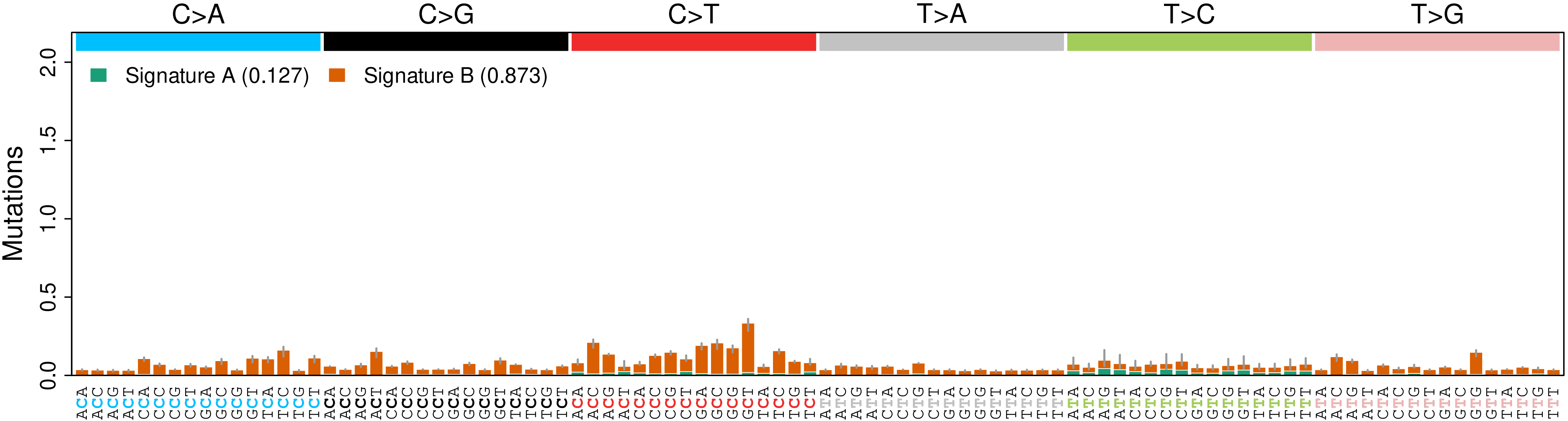
Reconstructed spectrum (cosine similarity = 0.319)



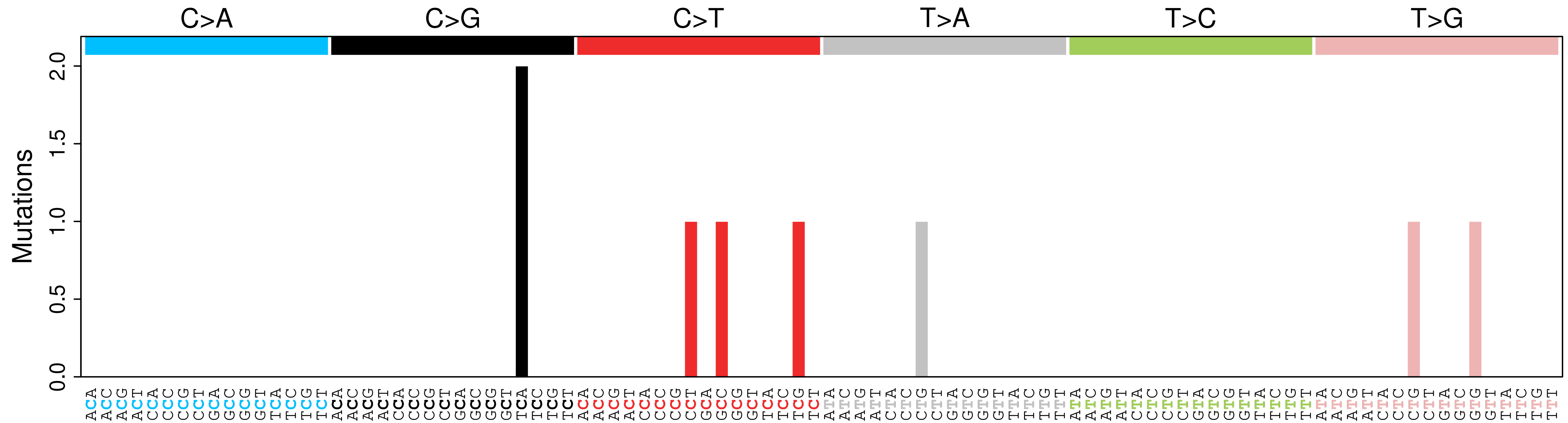
CATD300a (8 mutations)



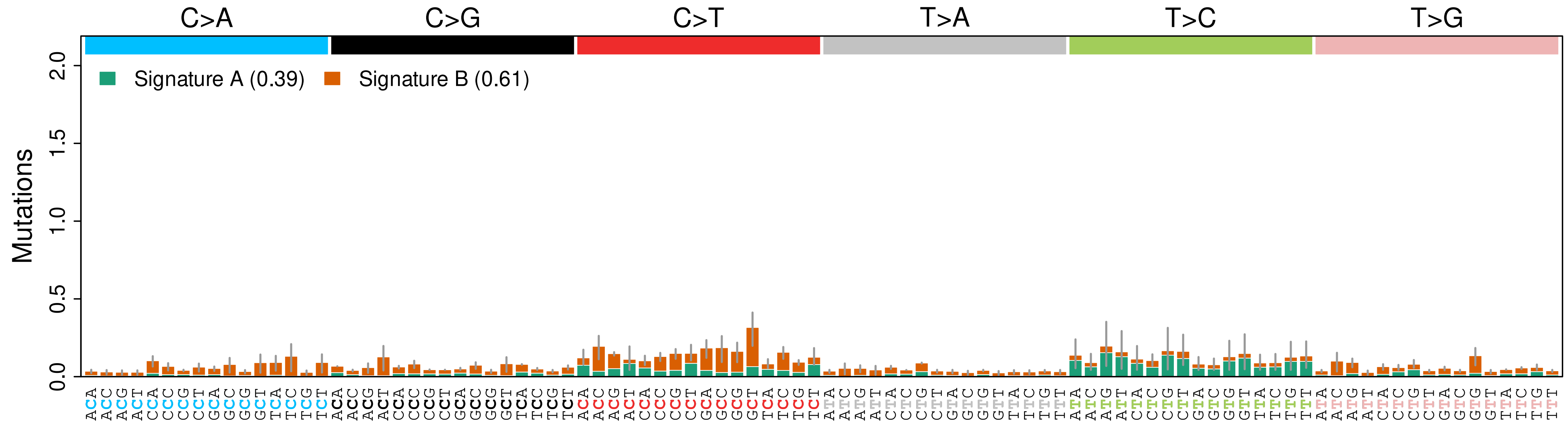
Reconstructed spectrum (cosine similarity = 0.342)



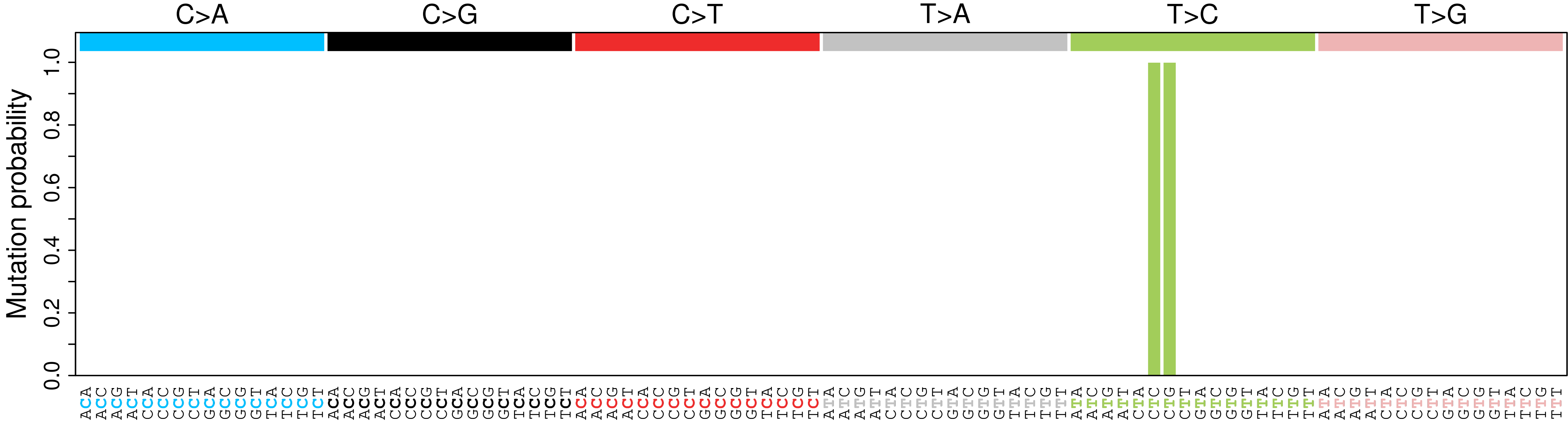
CATD328a (8 mutations)



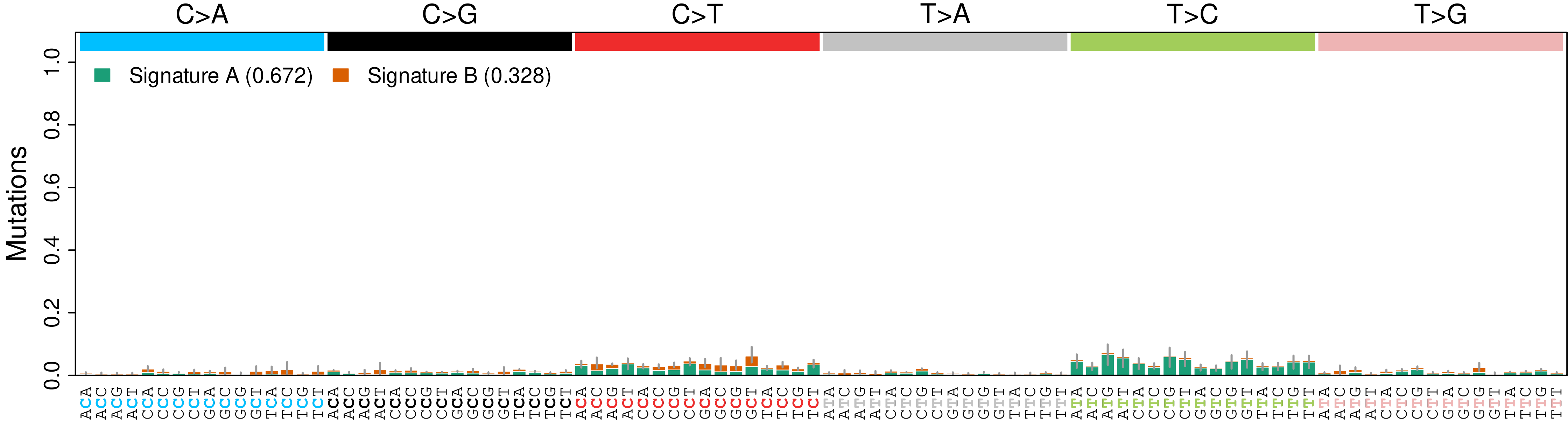
Reconstructed spectrum (cosine similarity = 0.292)



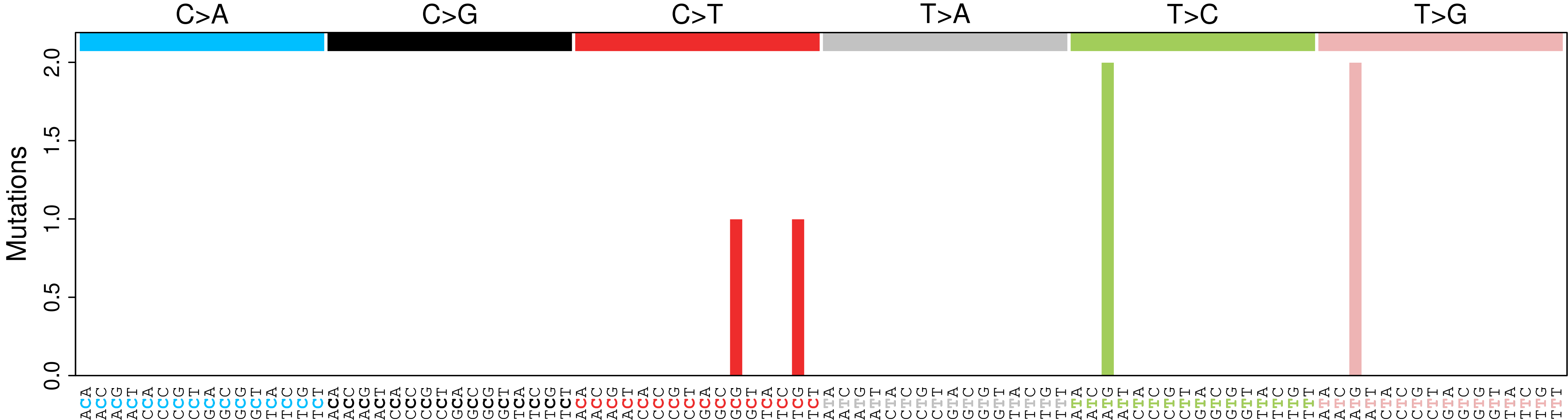
CATD0674a



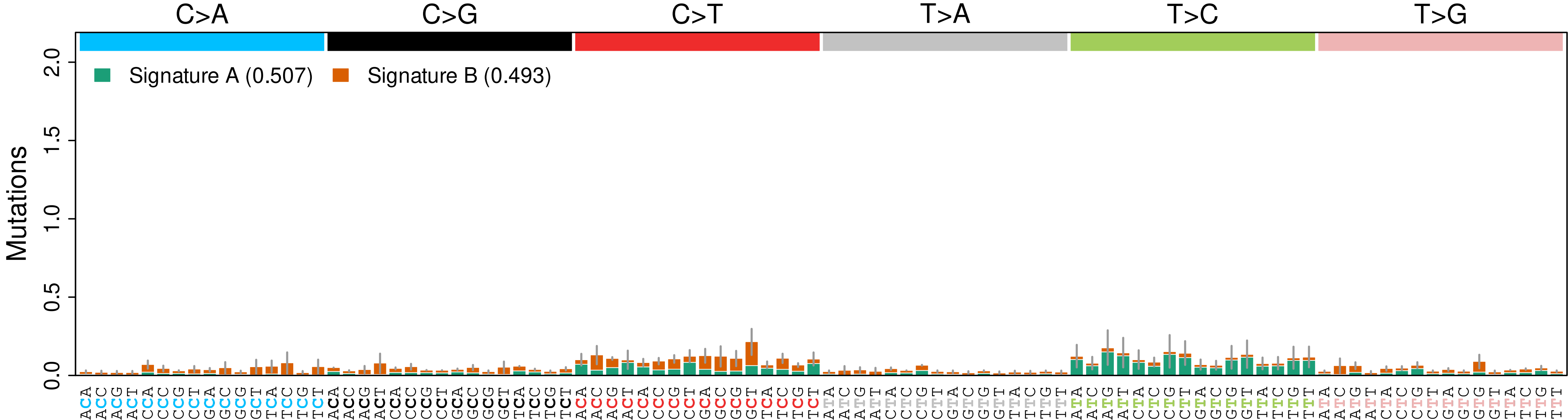
Reconstructed spectrum (cosine similarity = 0.262)



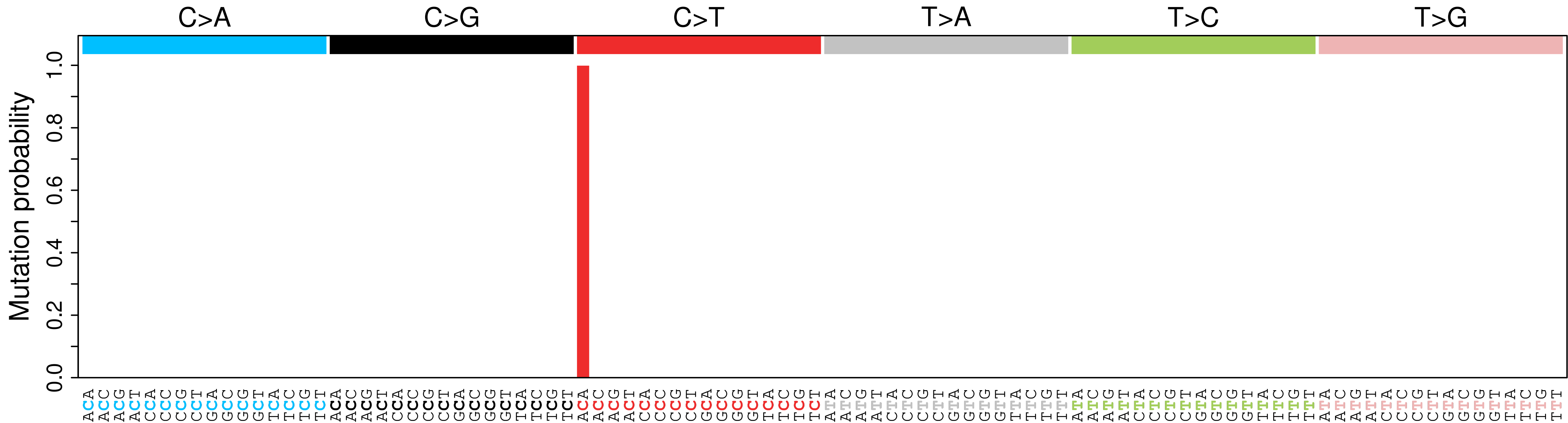
CATD301a (6 mutations)



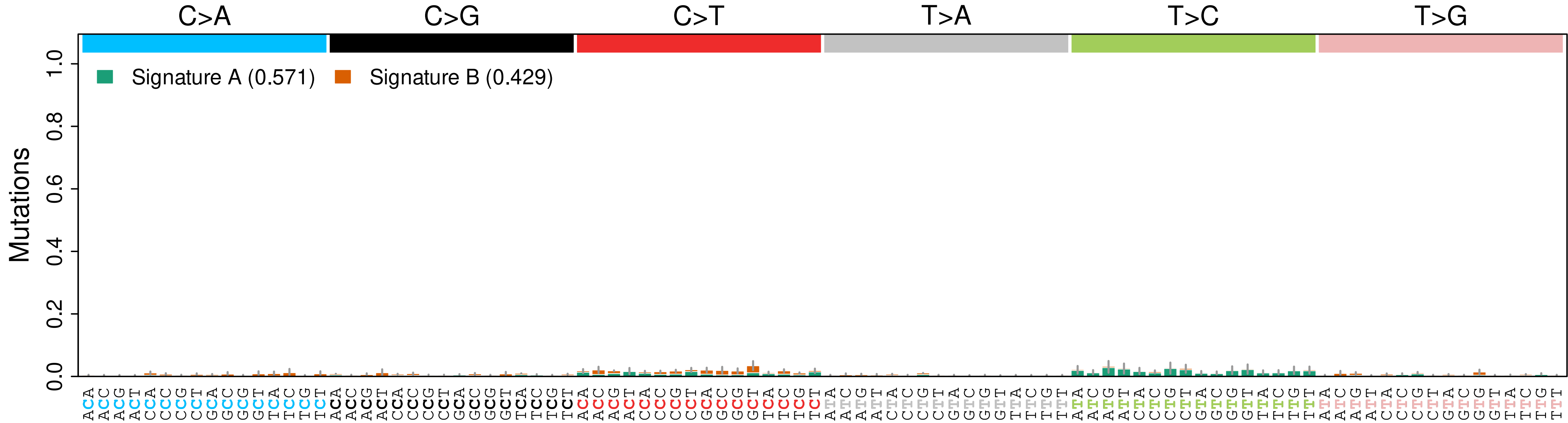
Reconstructed spectrum (cosine similarity = 0.281)



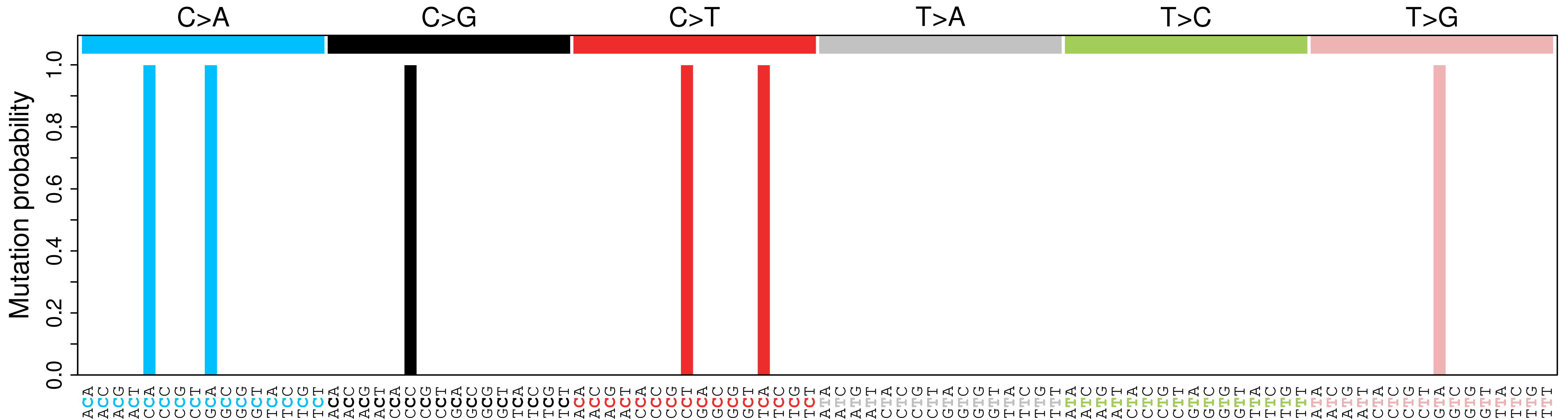
CATD308a



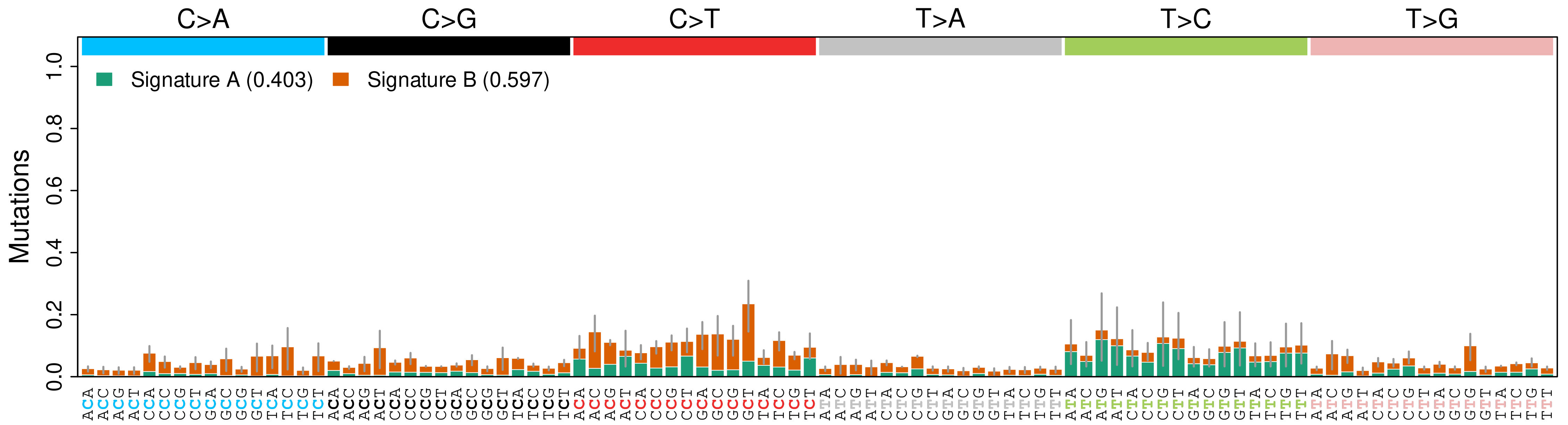
Reconstructed spectrum (cosine similarity = 0.142)



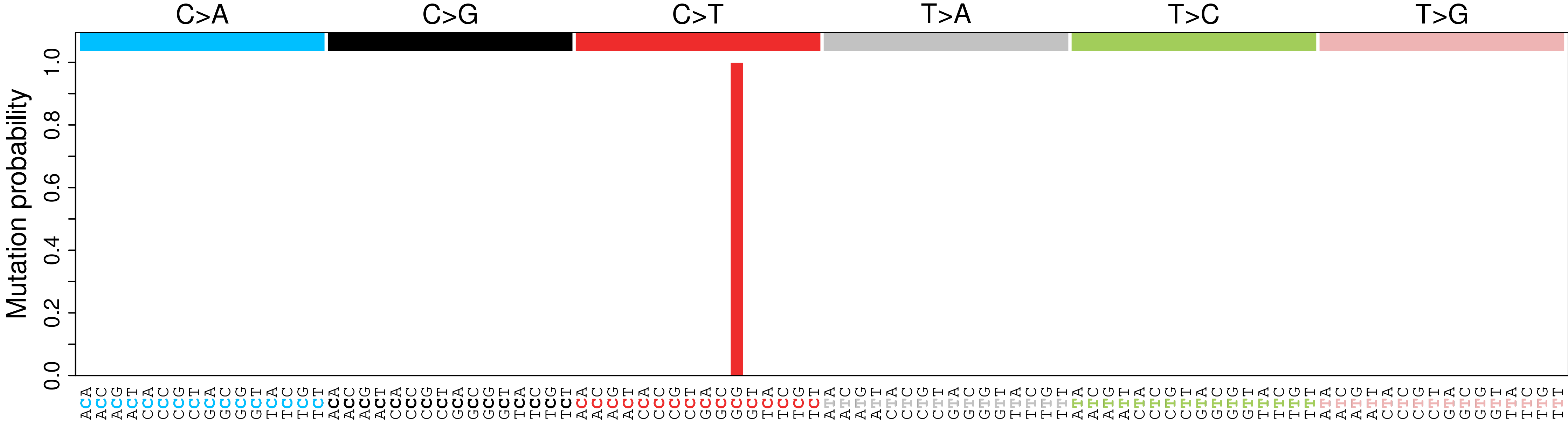
CATD296a



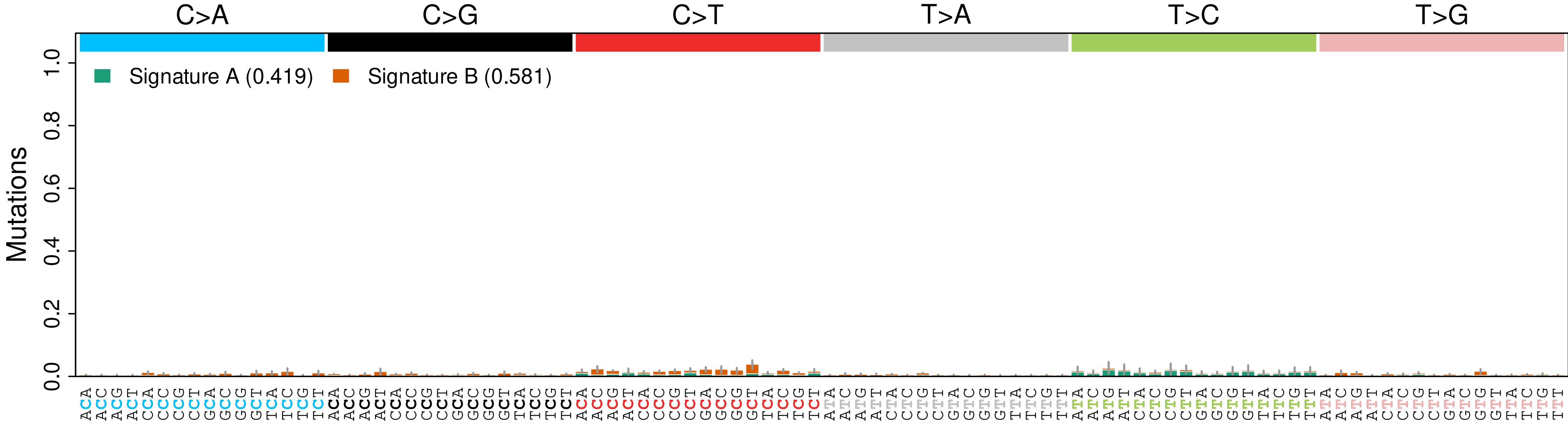
Reconstructed spectrum (cosine similarity = 0.221)



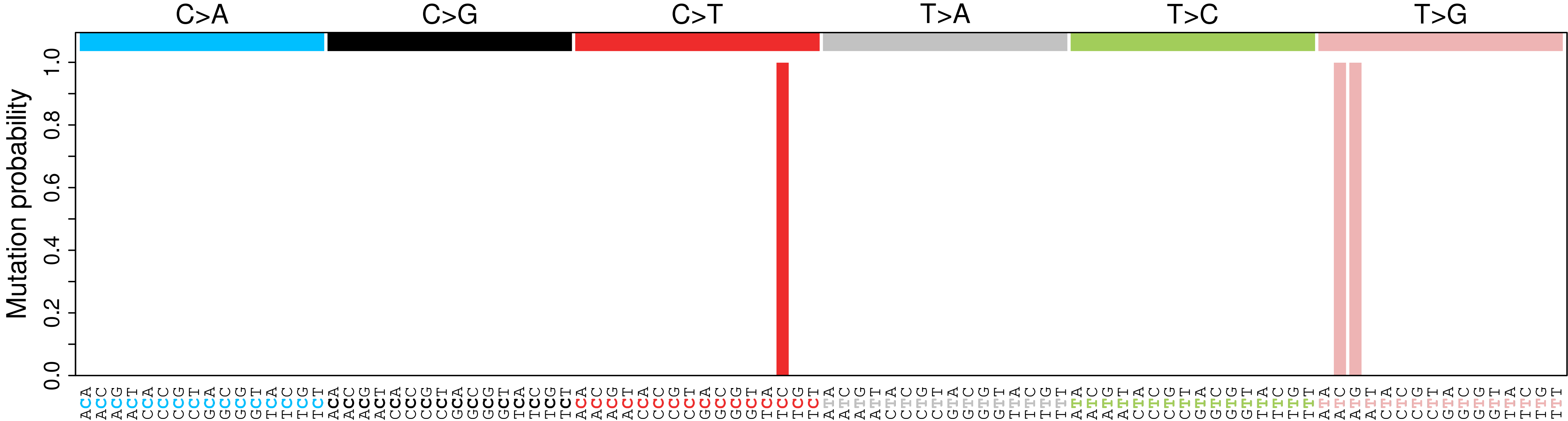
CATD0675a



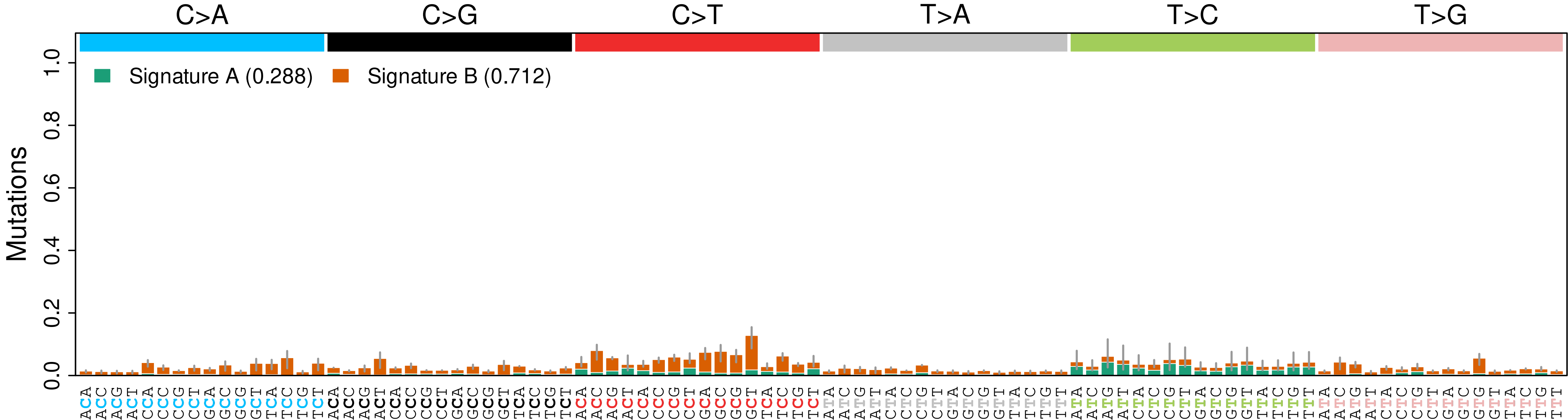
Reconstructed spectrum (cosine similarity = 0.164)



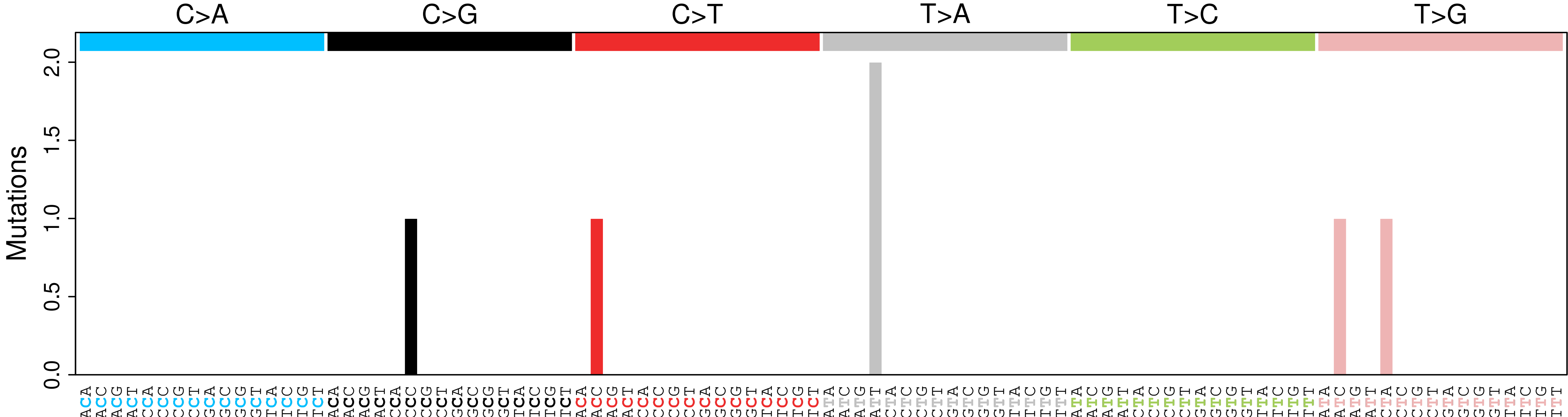
CATD0676a



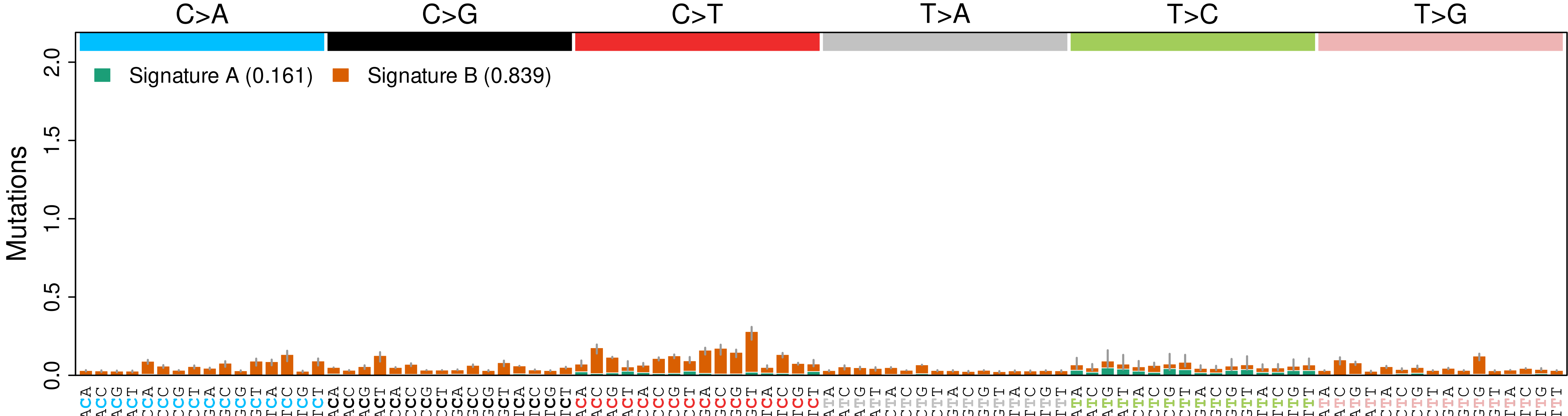
Reconstructed spectrum (cosine similarity = 0.227)



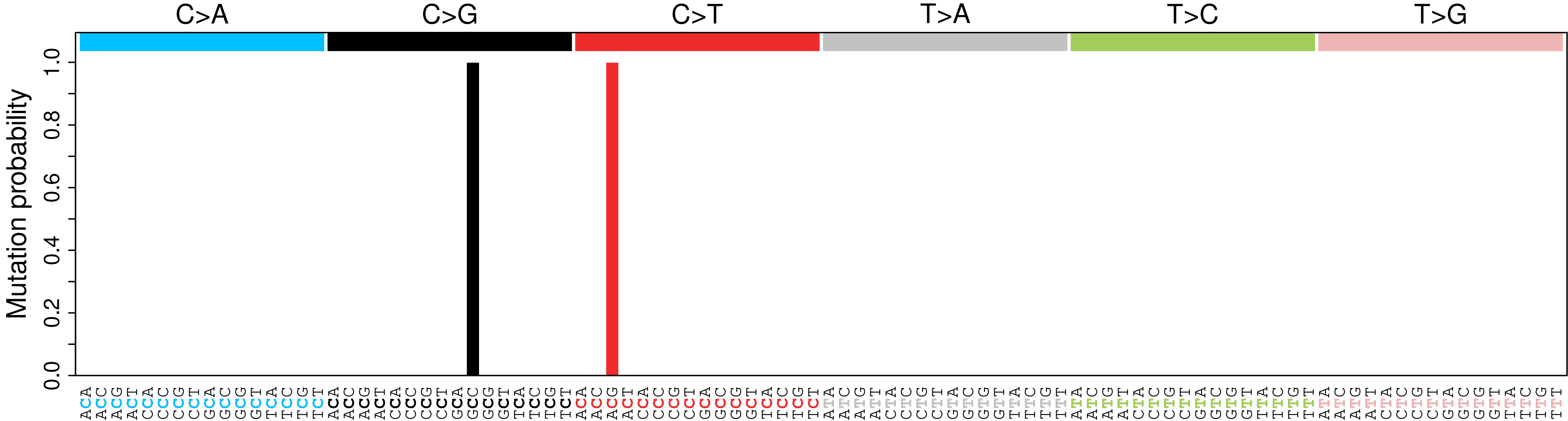
CATD326a (6 mutations)



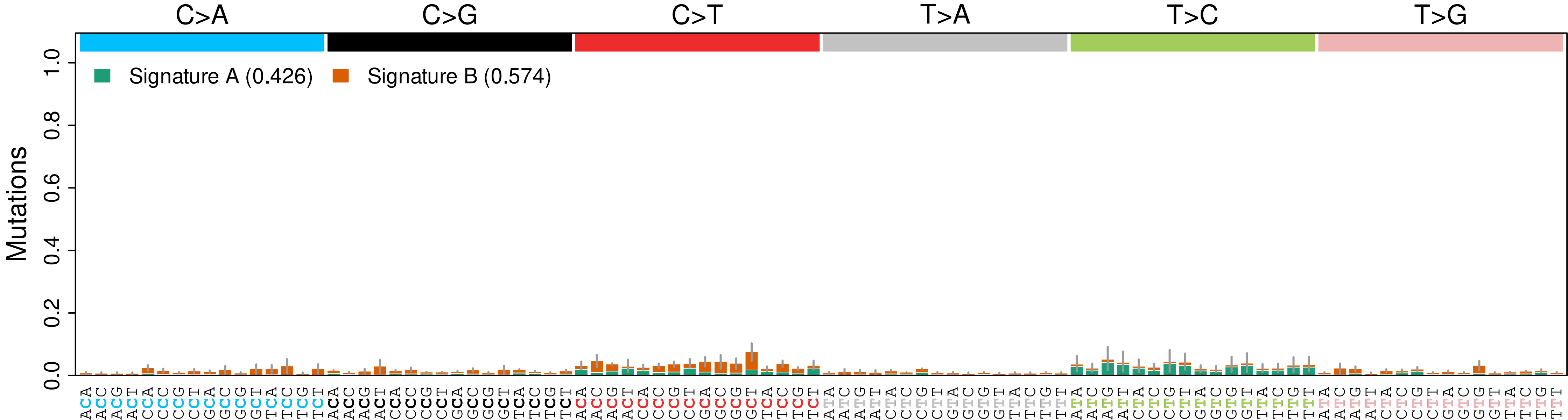
Reconstructed spectrum (cosine similarity = 0.235)



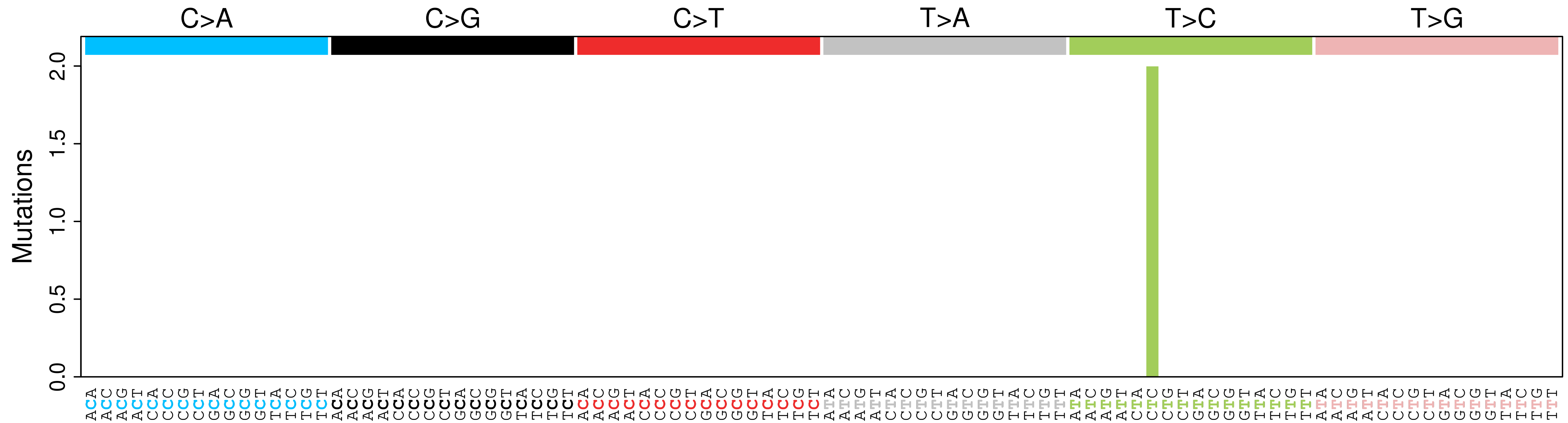
CATD0677a



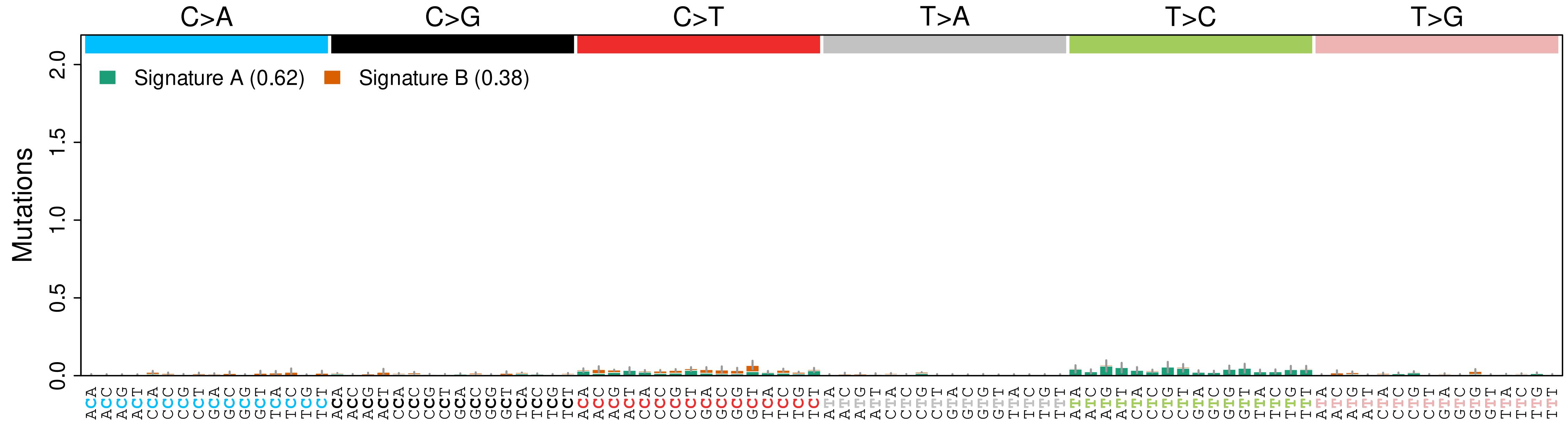
Reconstructed spectrum (cosine similarity = 0.16)



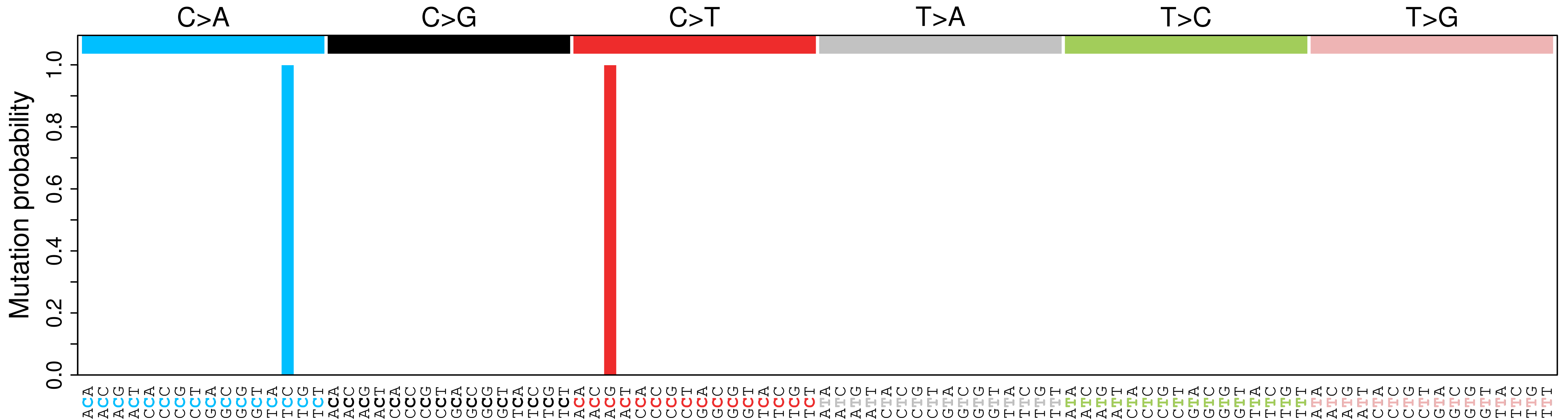
CATD304a (2 mutations)



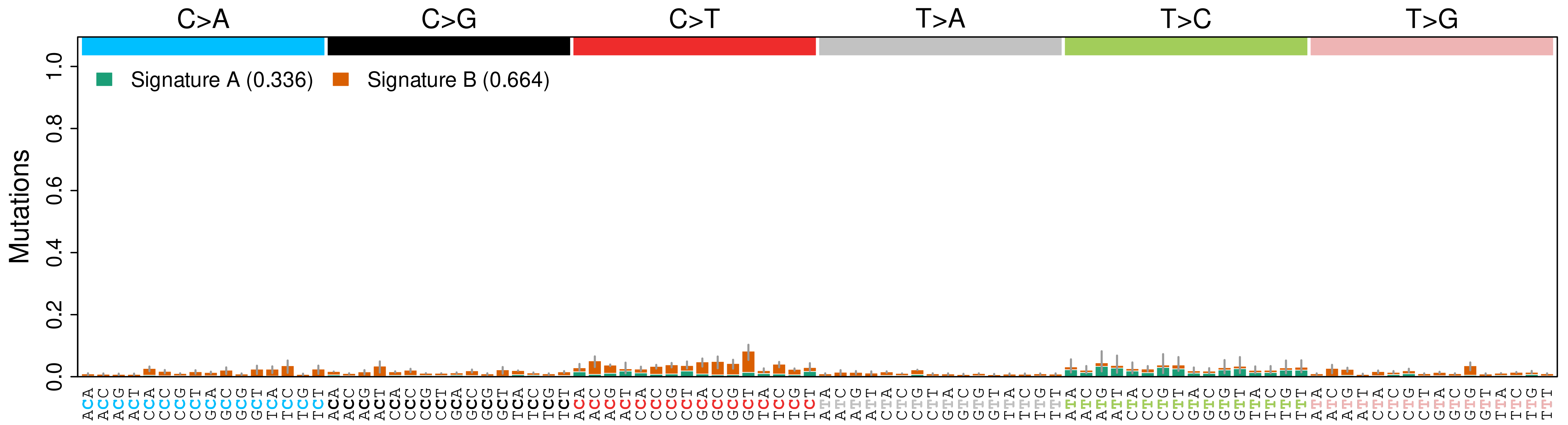
Reconstructed spectrum (cosine similarity = 0.122)



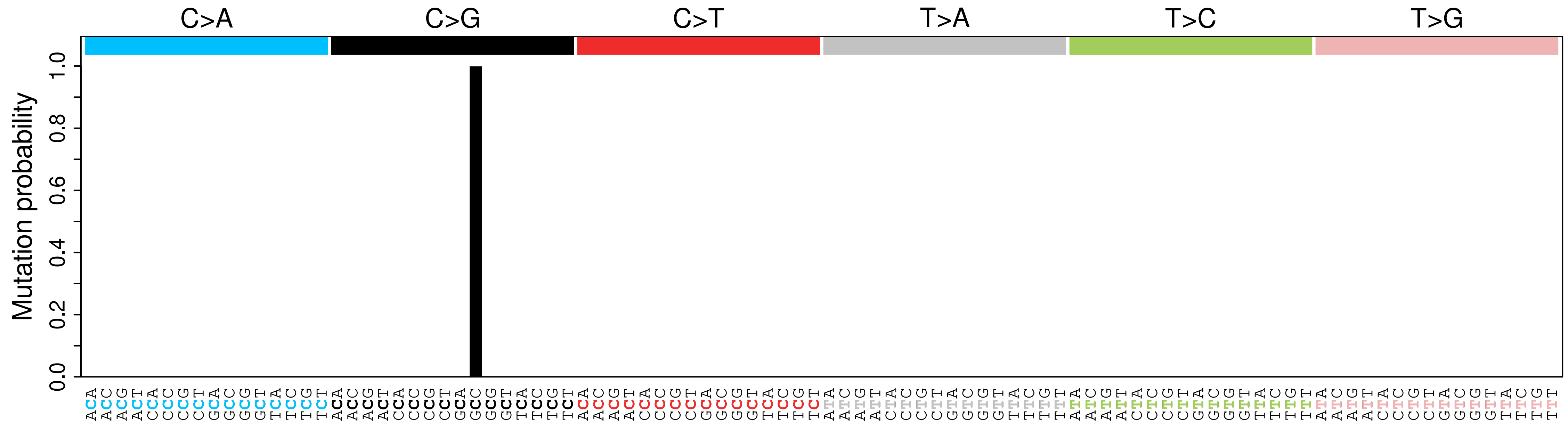
CATD299a



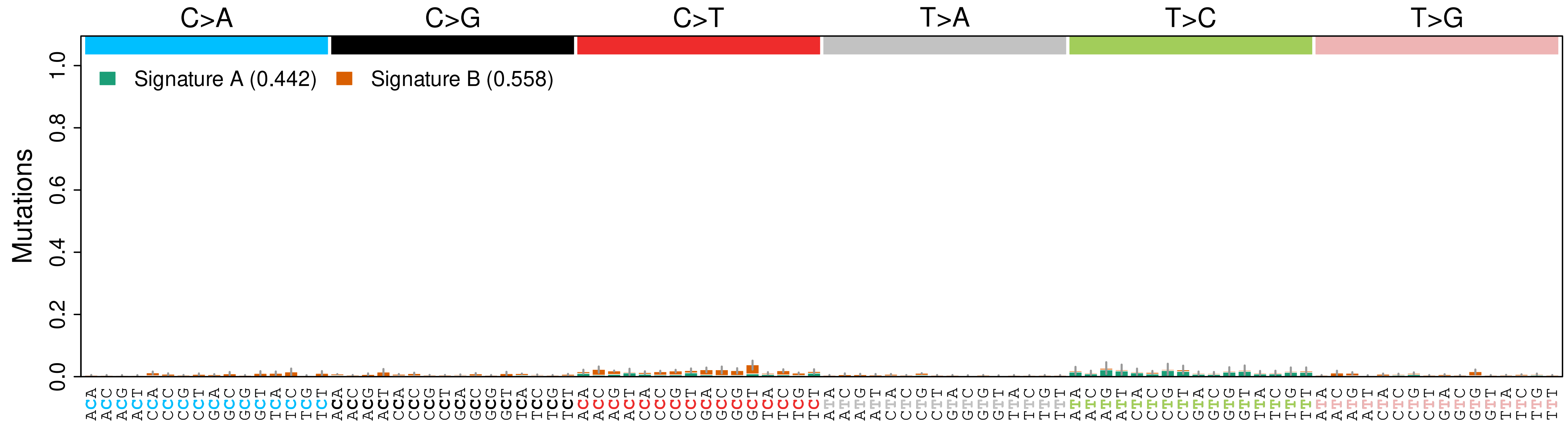
Reconstructed spectrum (cosine similarity = 0.214)



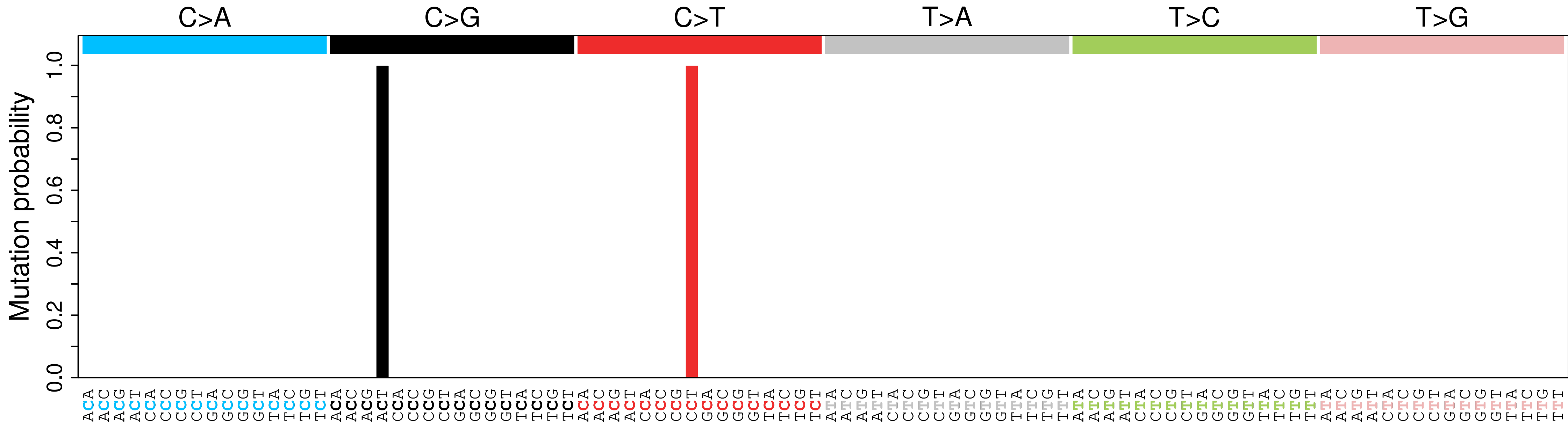
CATD317a



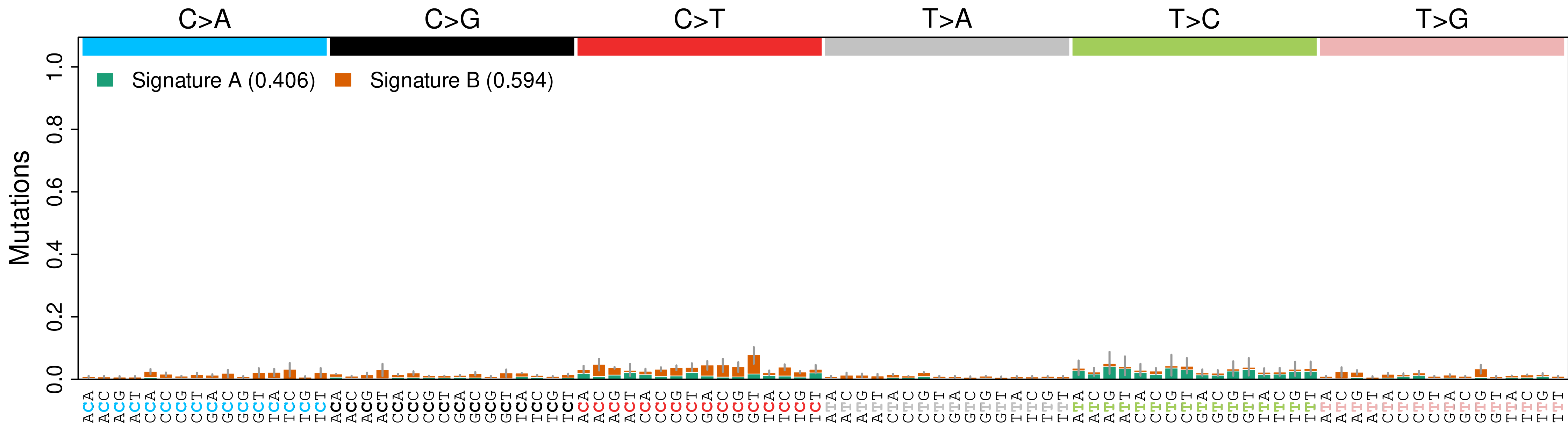
Reconstructed spectrum (cosine similarity = 0.073)



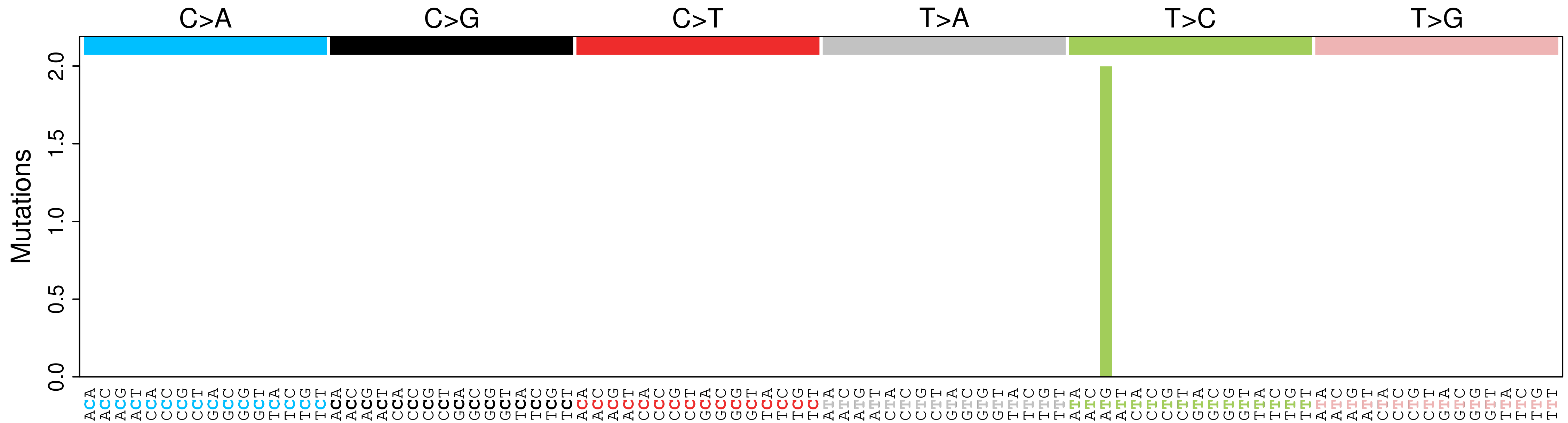
CATD307a



Reconstructed spectrum (cosine similarity = 0.202)



CATD303a (2 mutations)



Reconstructed spectrum (cosine similarity = 0.287)

