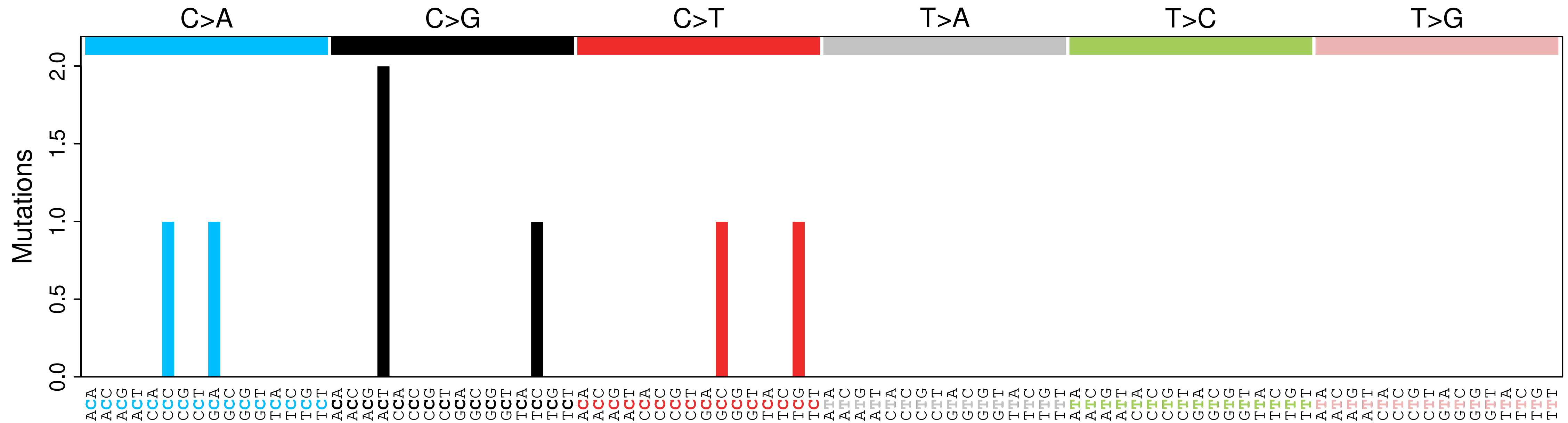
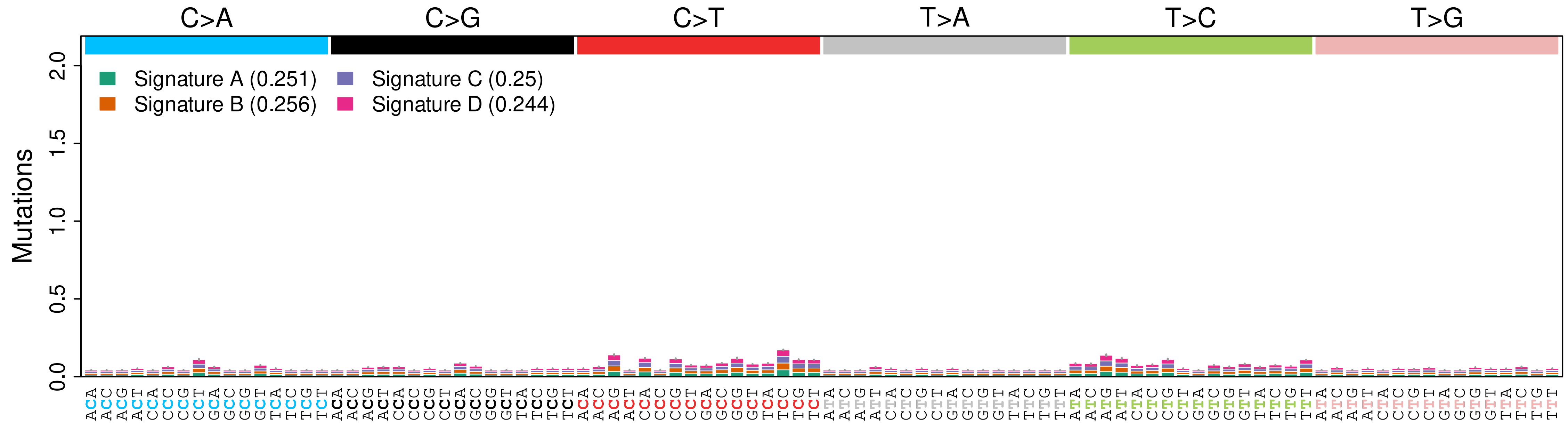


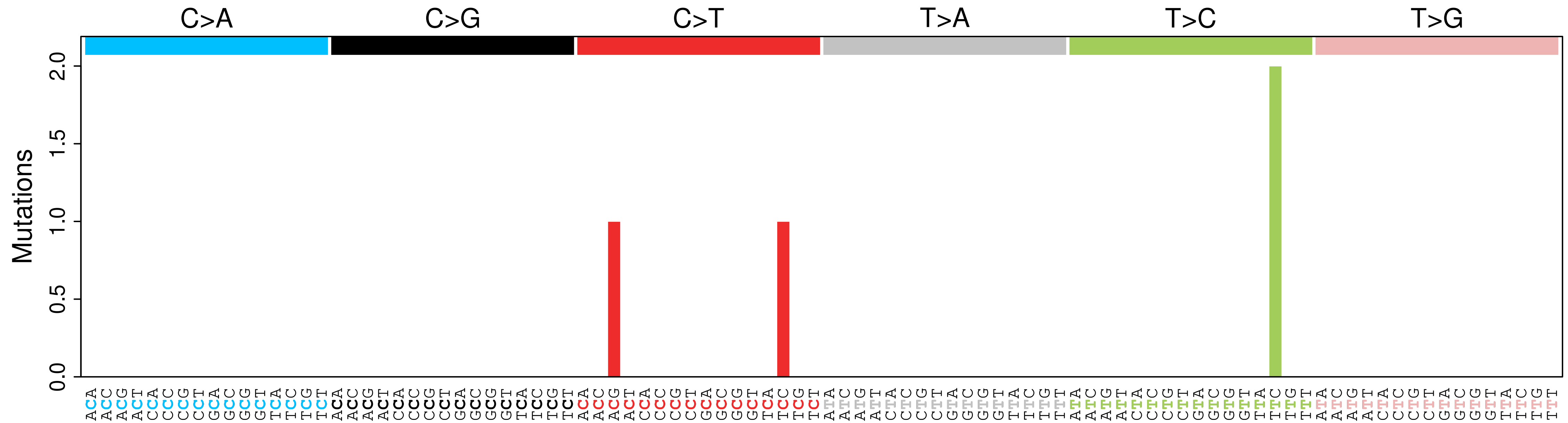
CATD0621a (7 mutations)



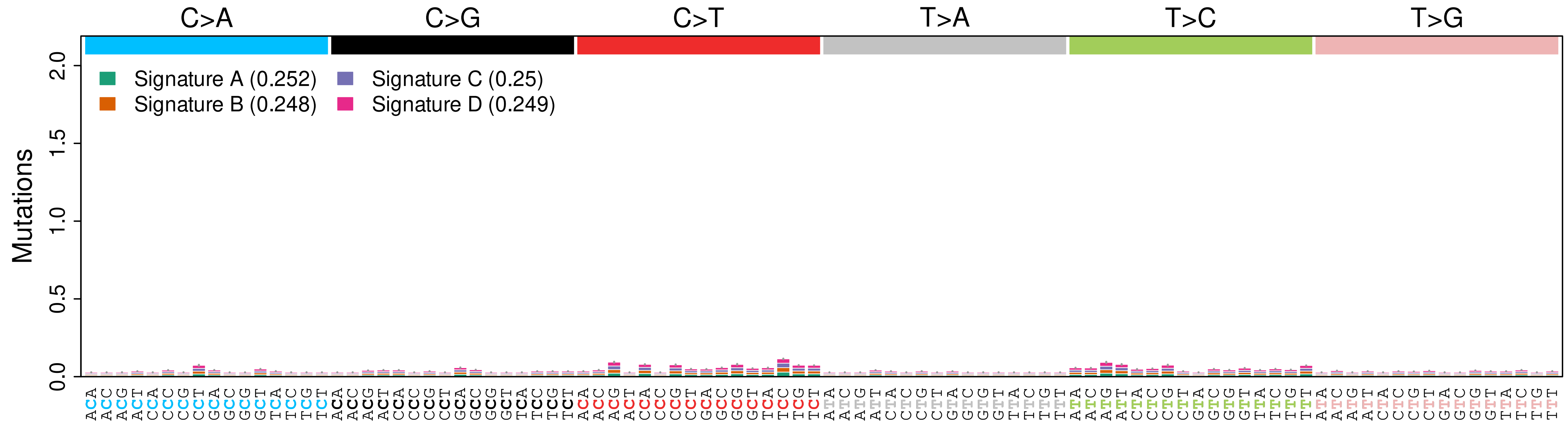
Reconstructed spectrum (cosine similarity = 0.252)

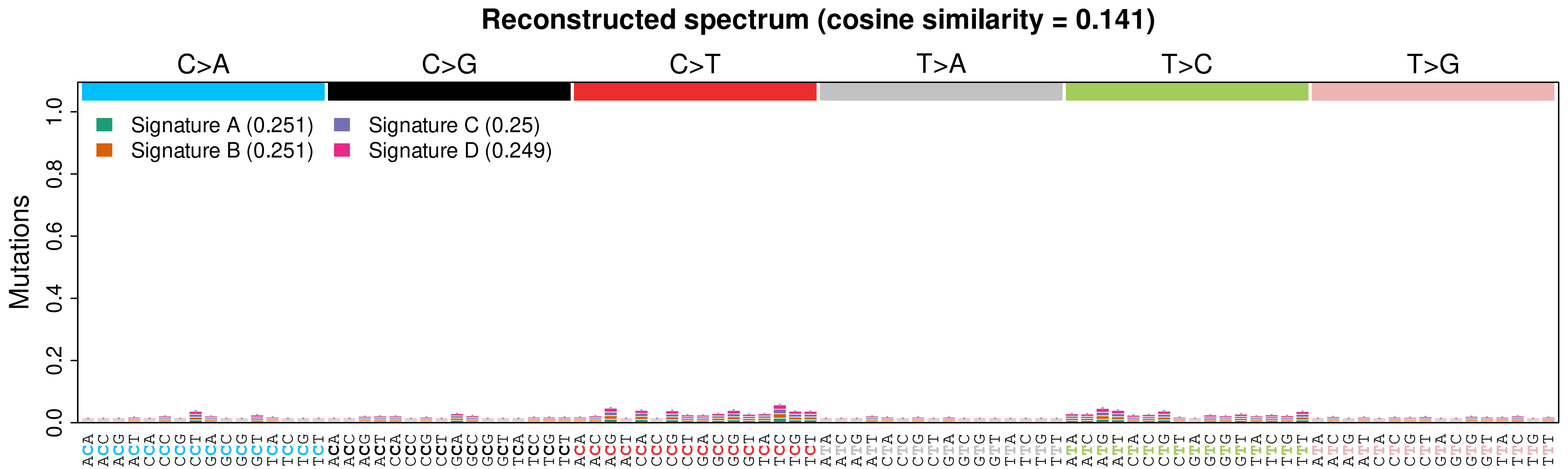
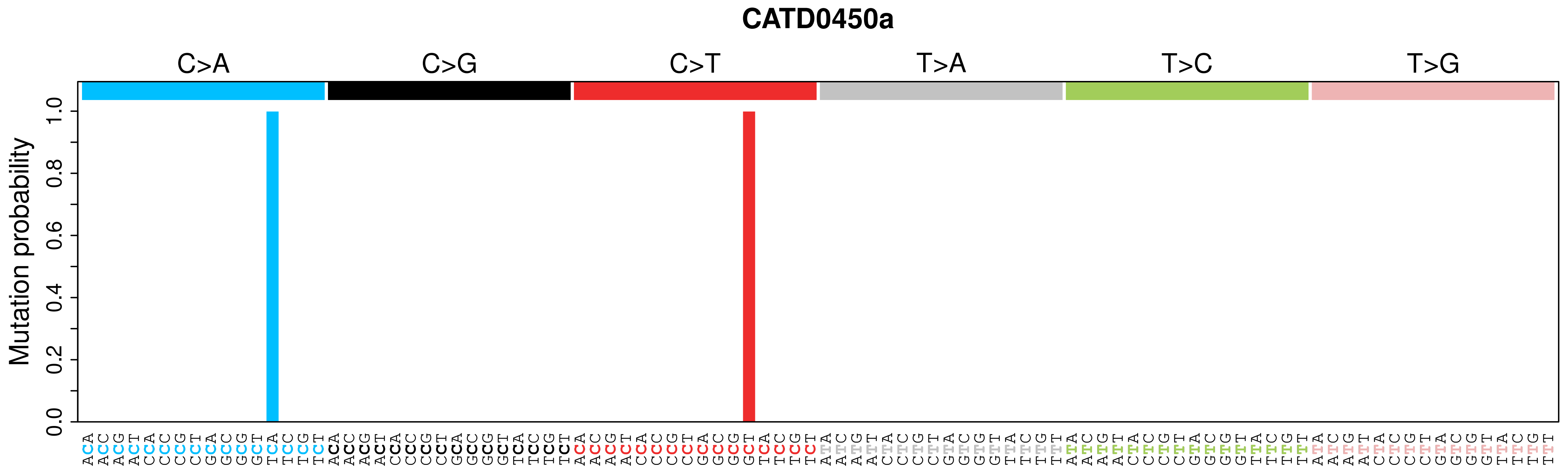


CATD0453a (4 mutations)

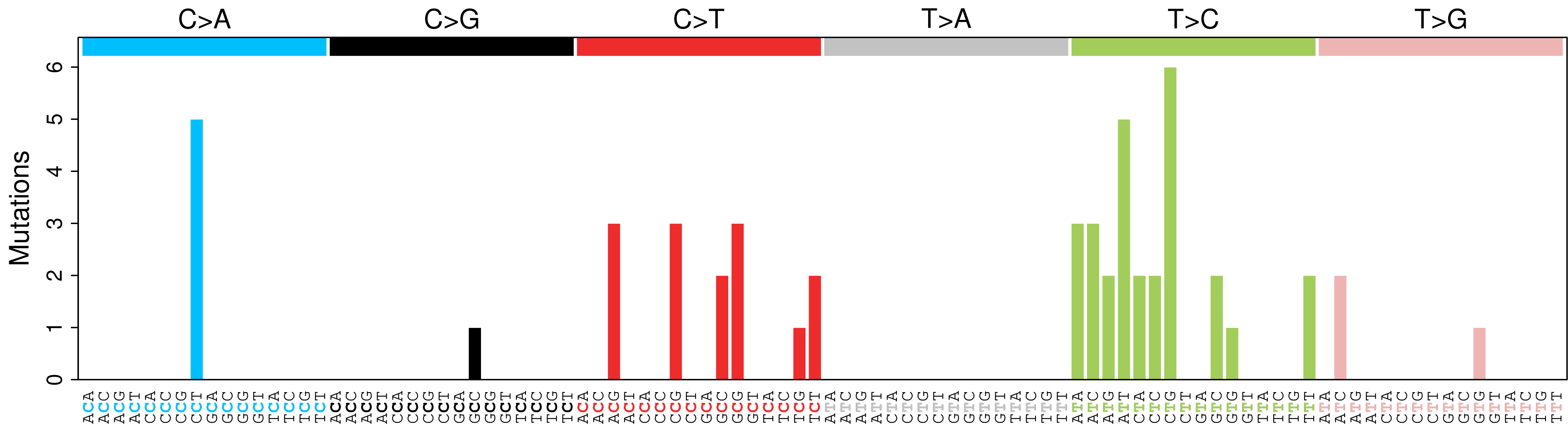


Reconstructed spectrum (cosine similarity = 0.282)

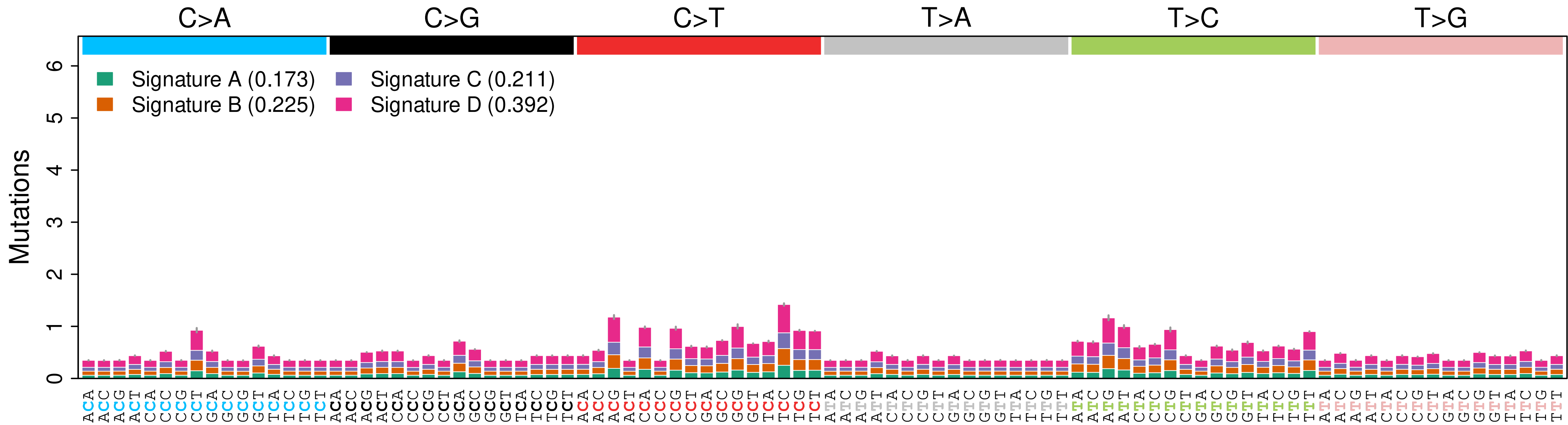




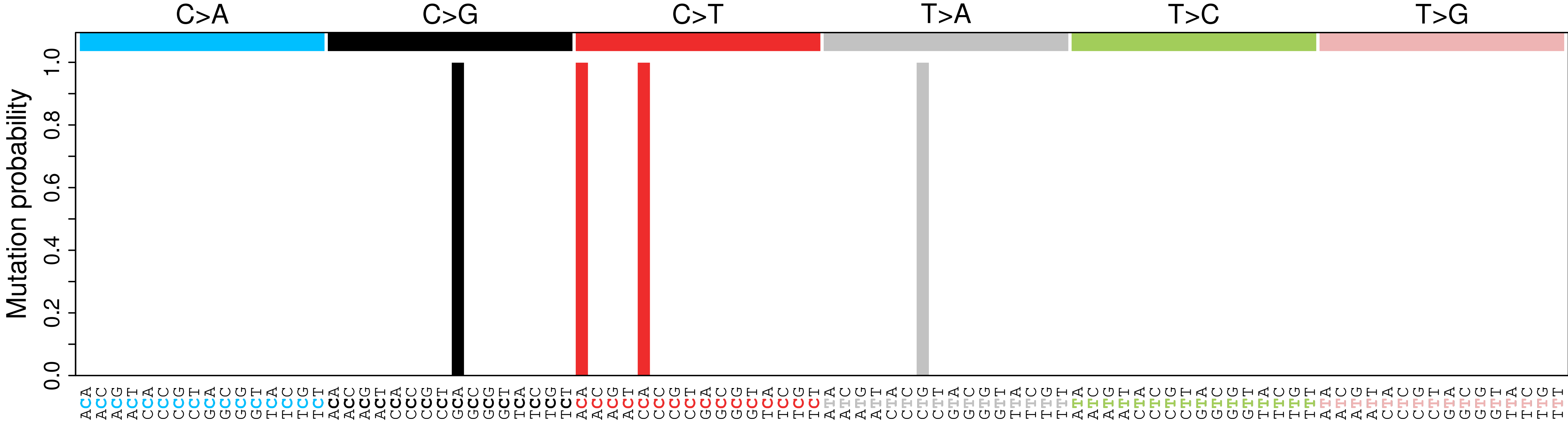
CATD0465a (51 mutations)



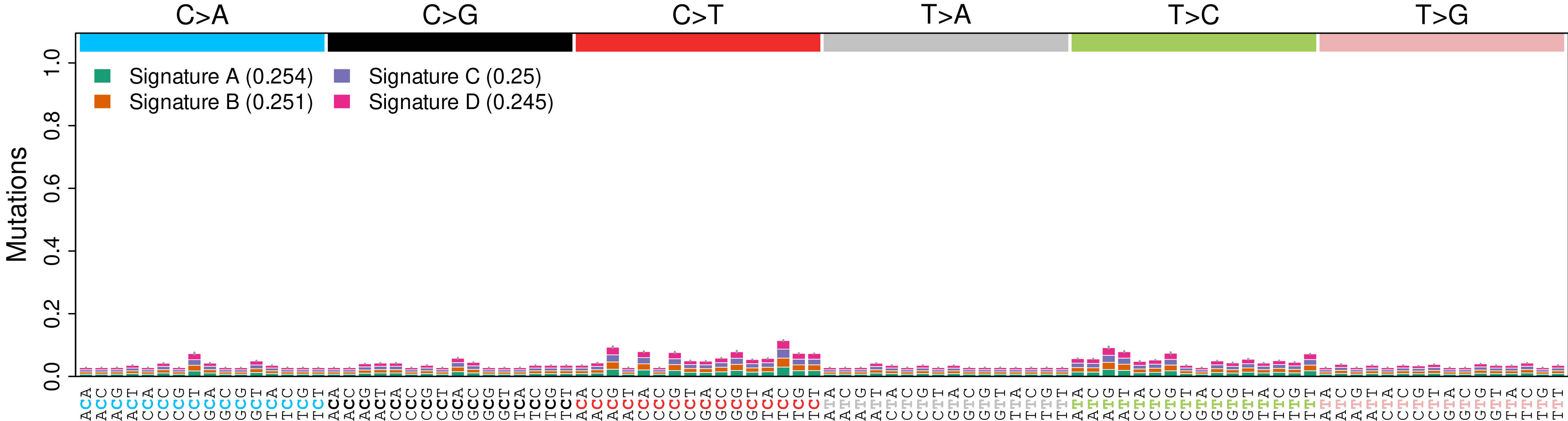
Reconstructed spectrum (cosine similarity = 0.606)



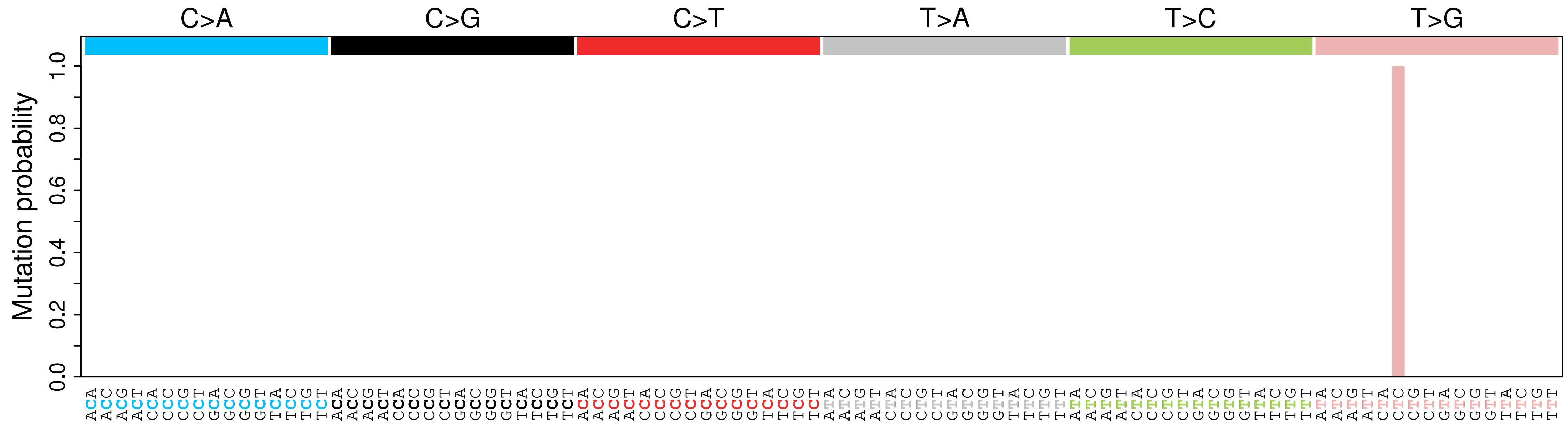
CATD0458a



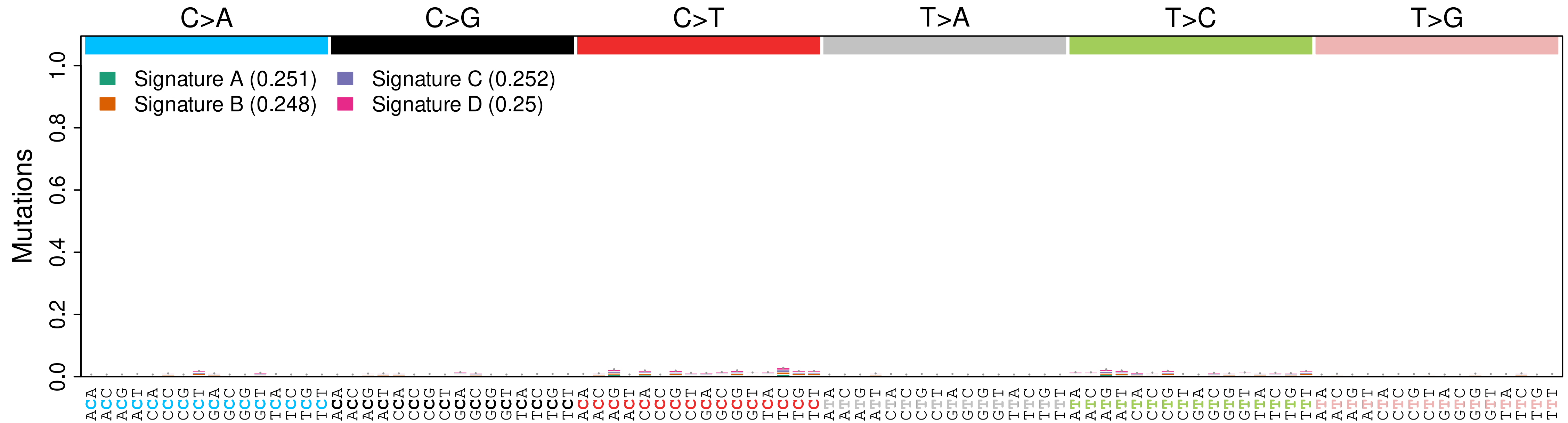
Reconstructed spectrum (cosine similarity = 0.233)



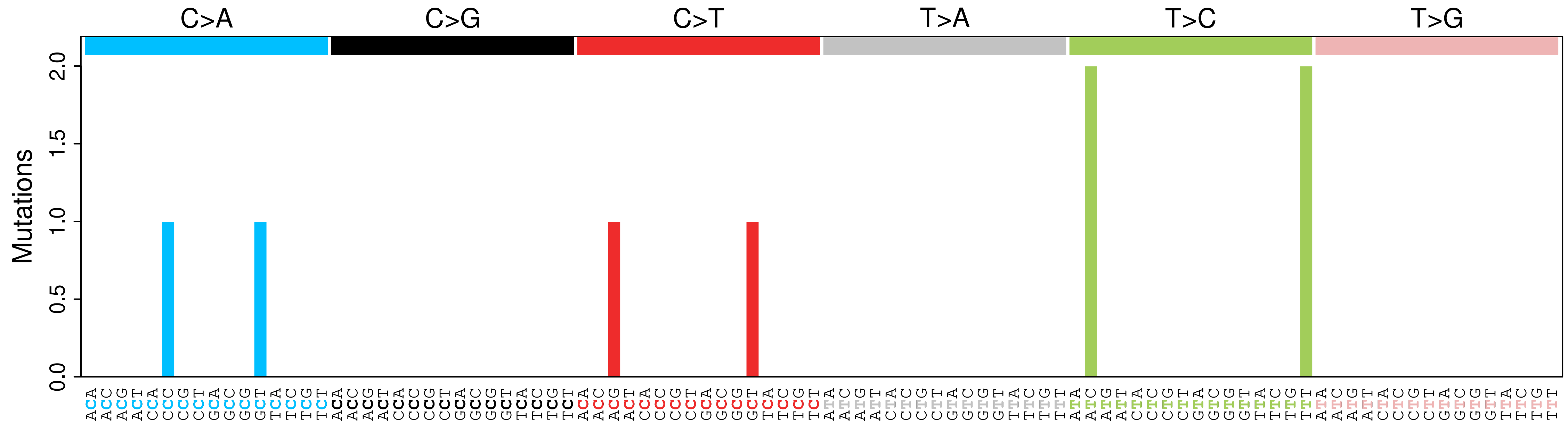
CATD0466a



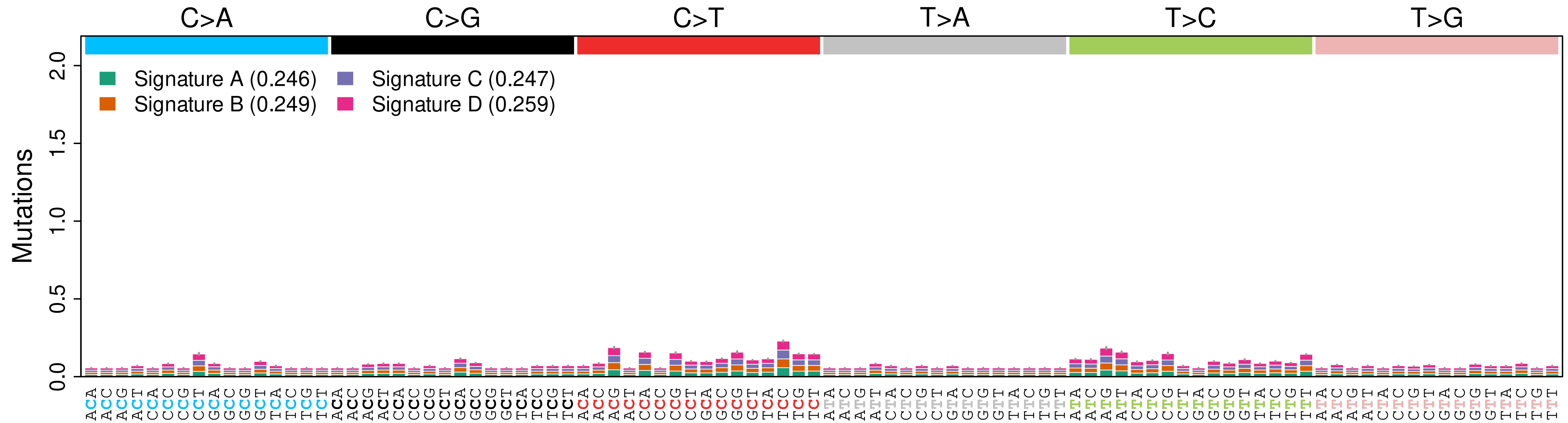
Reconstructed spectrum (cosine similarity = 0.079)



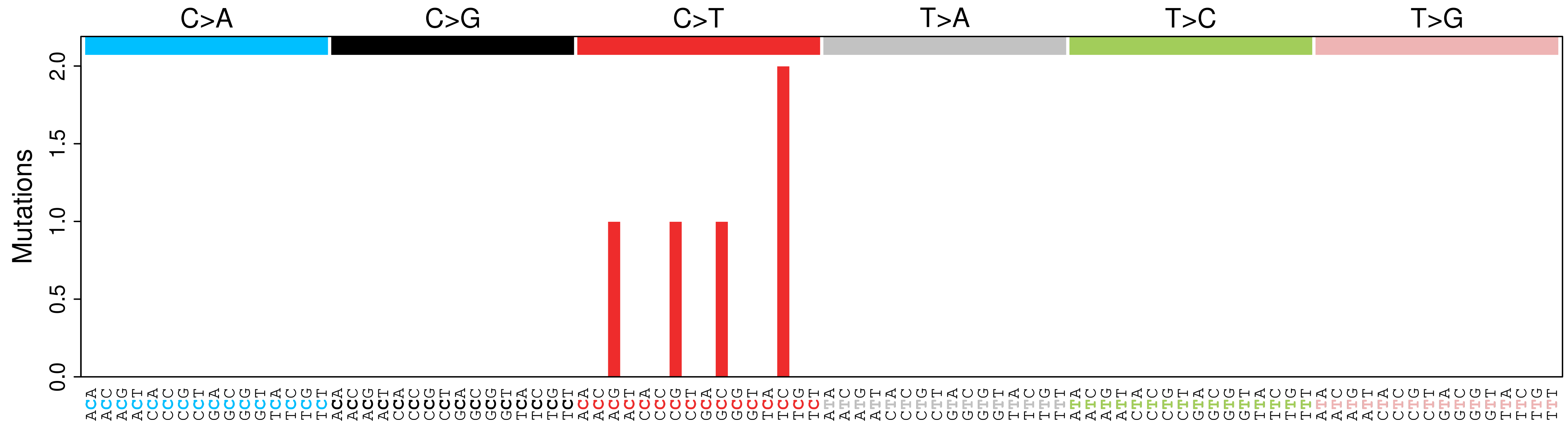
CATD0454a (8 mutations)



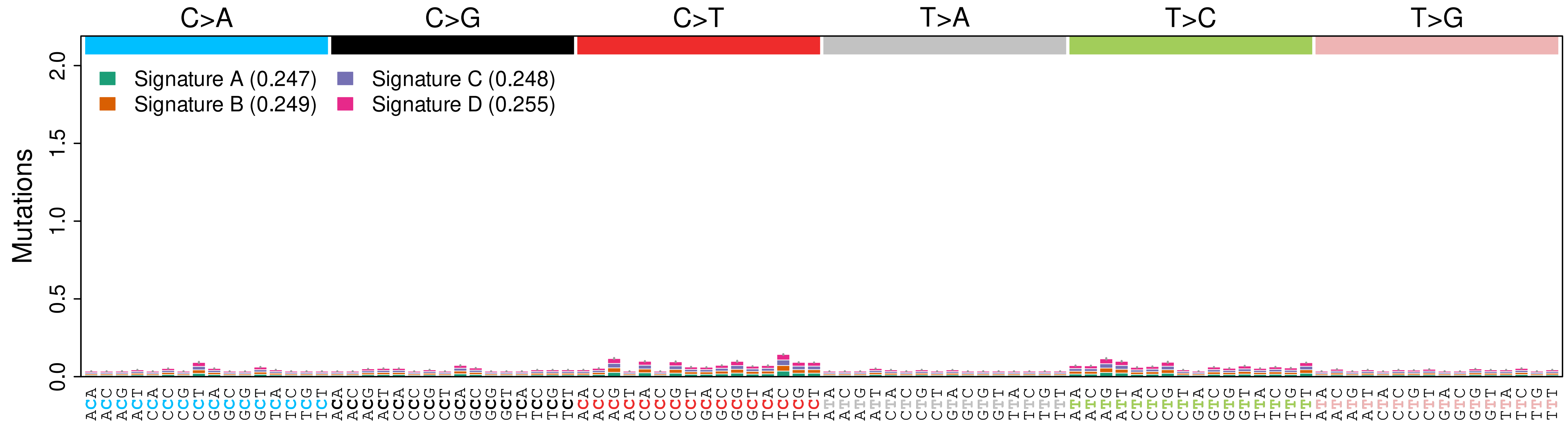
Reconstructed spectrum (cosine similarity = 0.32)



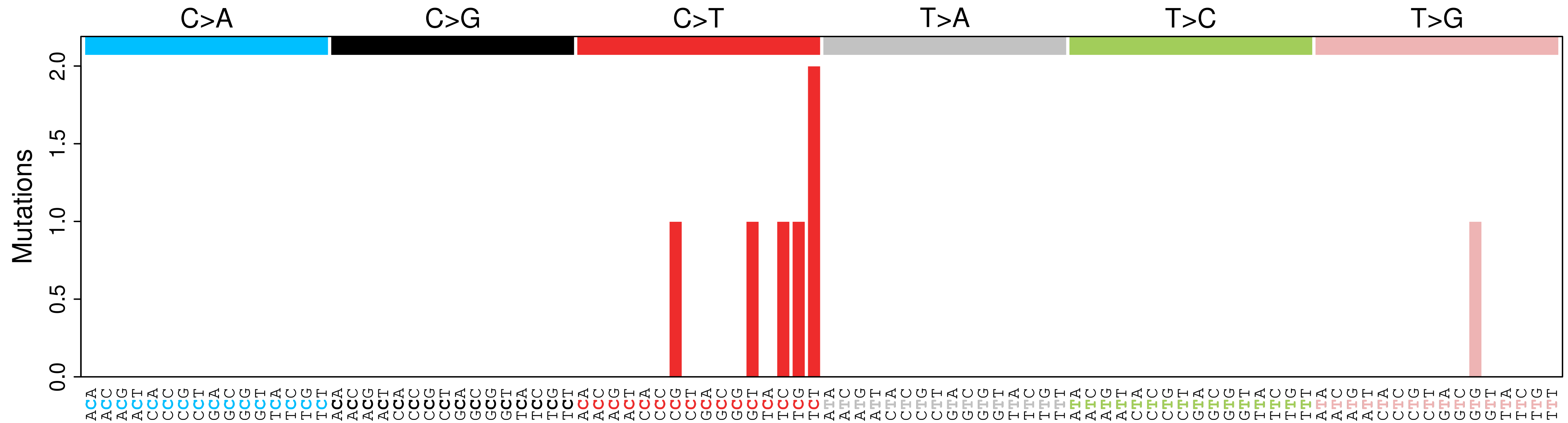
CATD0451a (5 mutations)



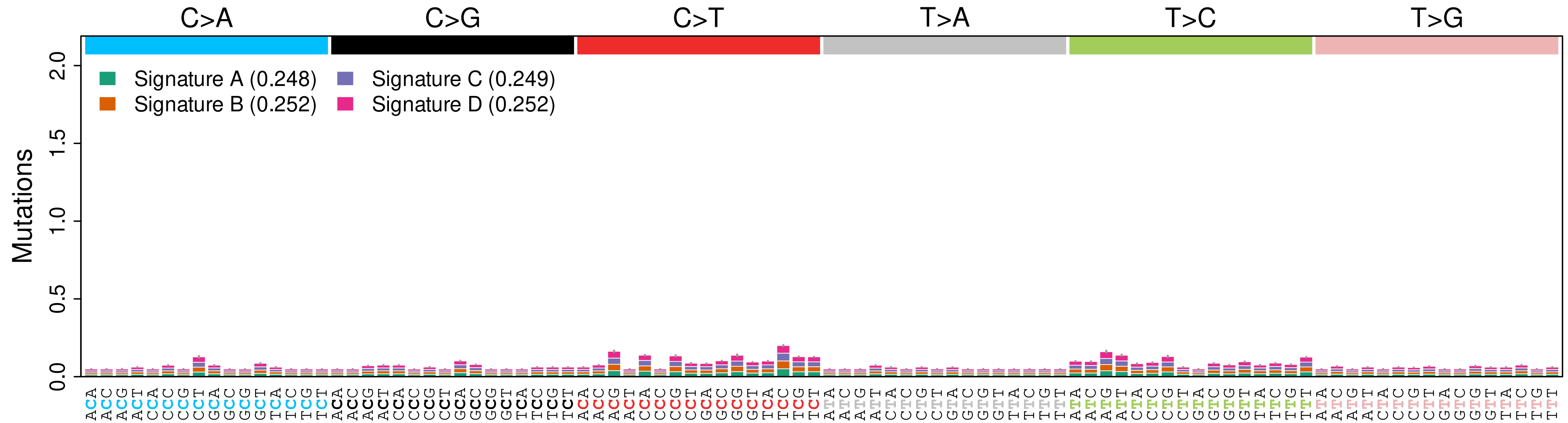
Reconstructed spectrum (cosine similarity = 0.388)



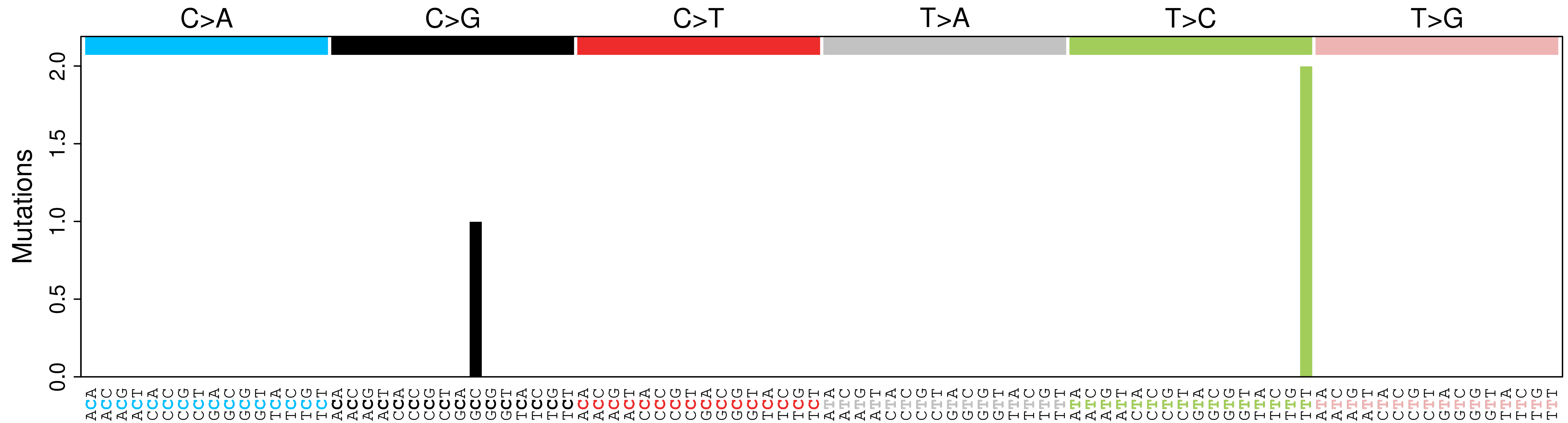
CATD0457a (7 mutations)



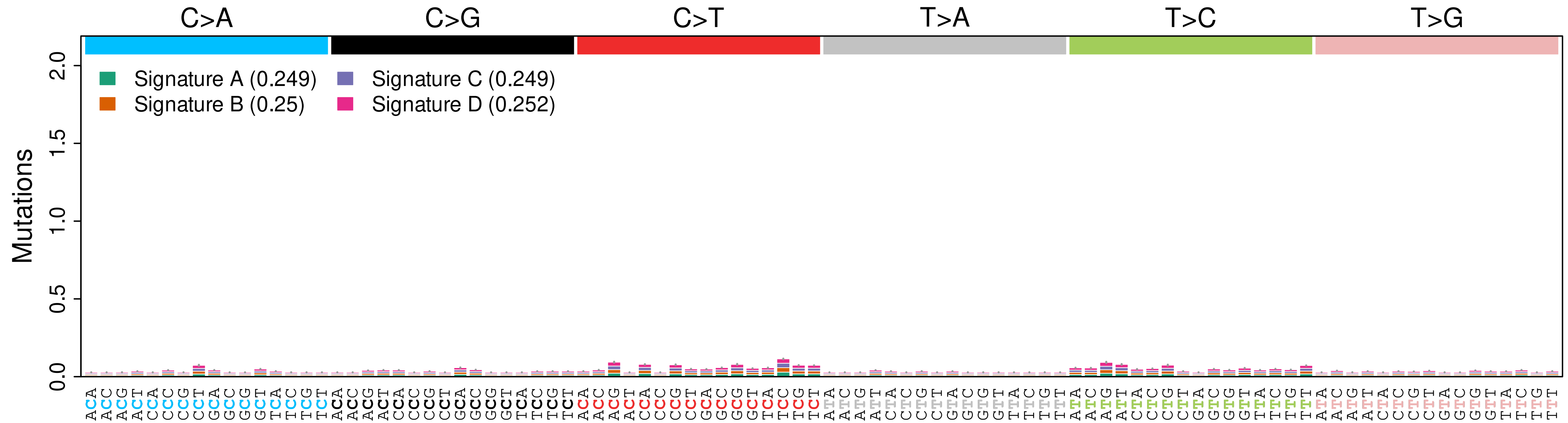
Reconstructed spectrum (cosine similarity = 0.378)



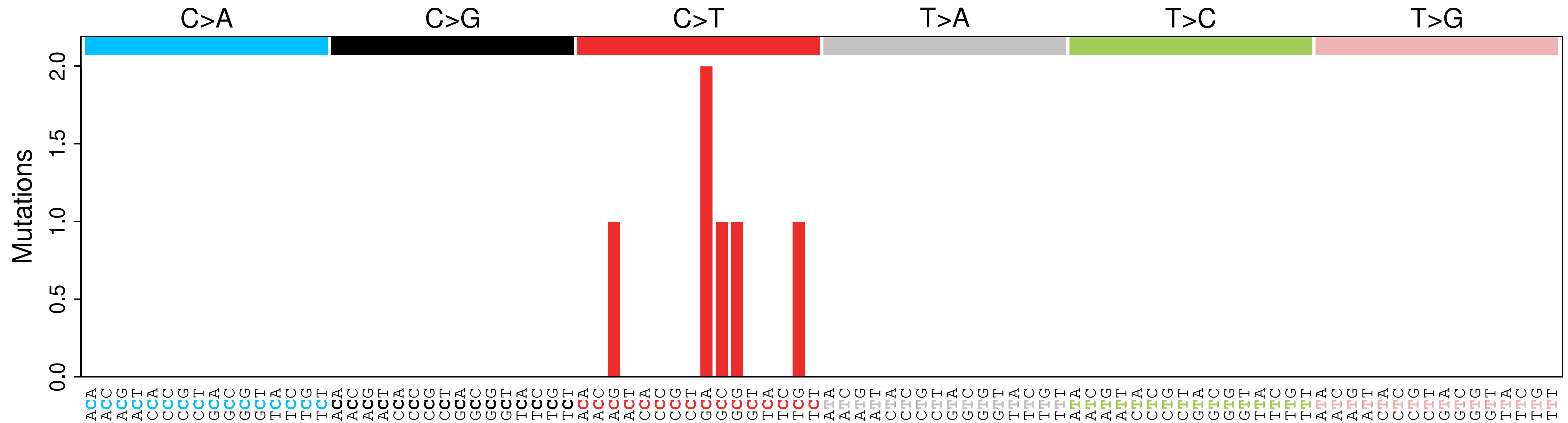
CATD0447a (3 mutations)



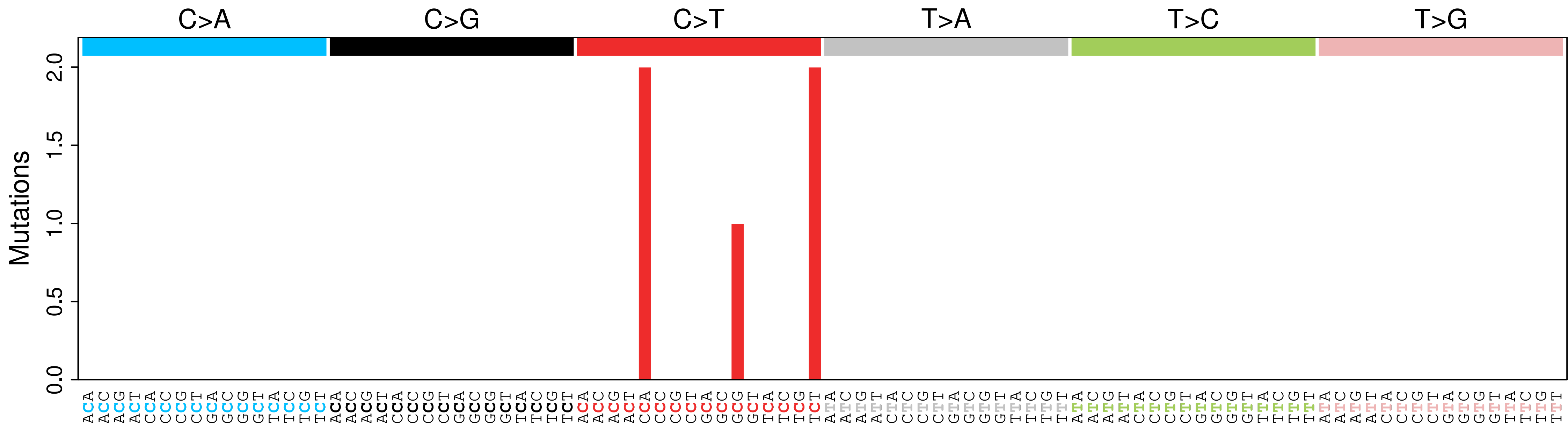
Reconstructed spectrum (cosine similarity = 0.19)



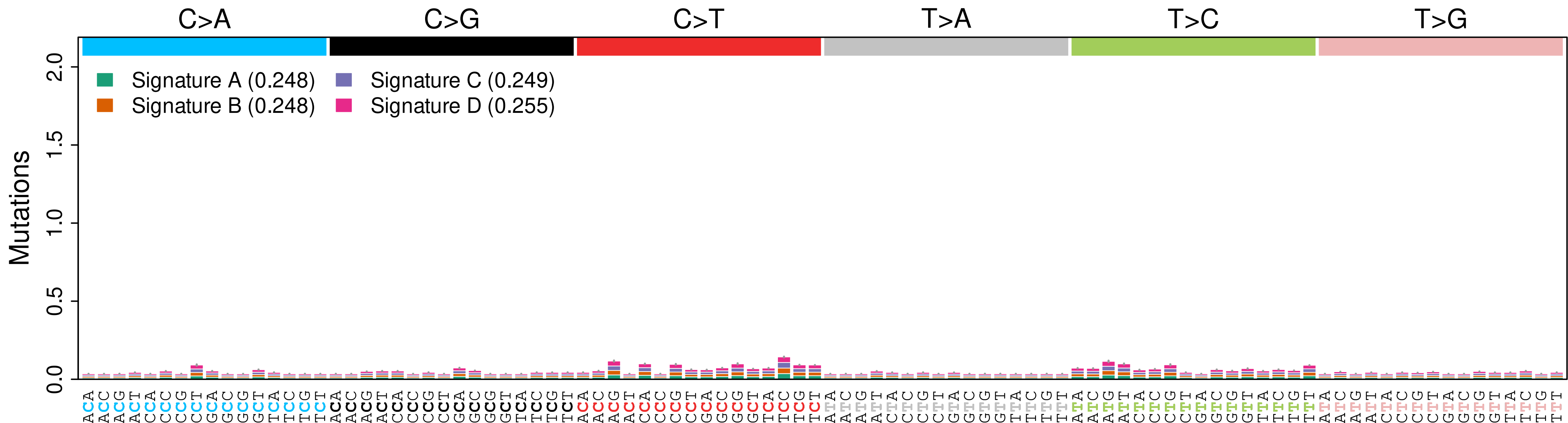
CATD0449a (6 mutations)



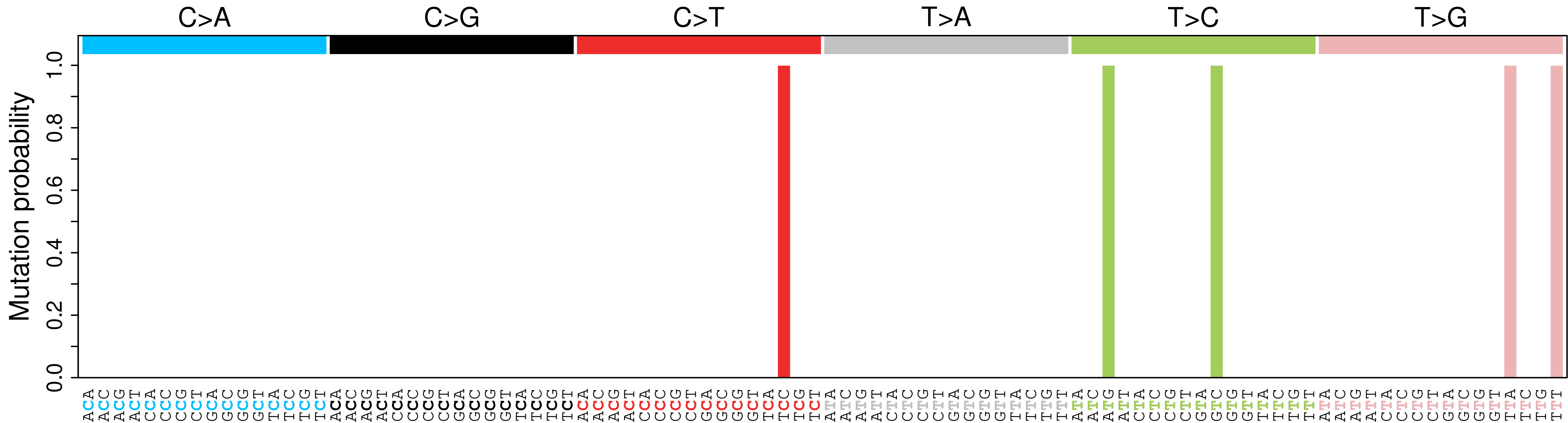
CATD0617a (5 mutations)



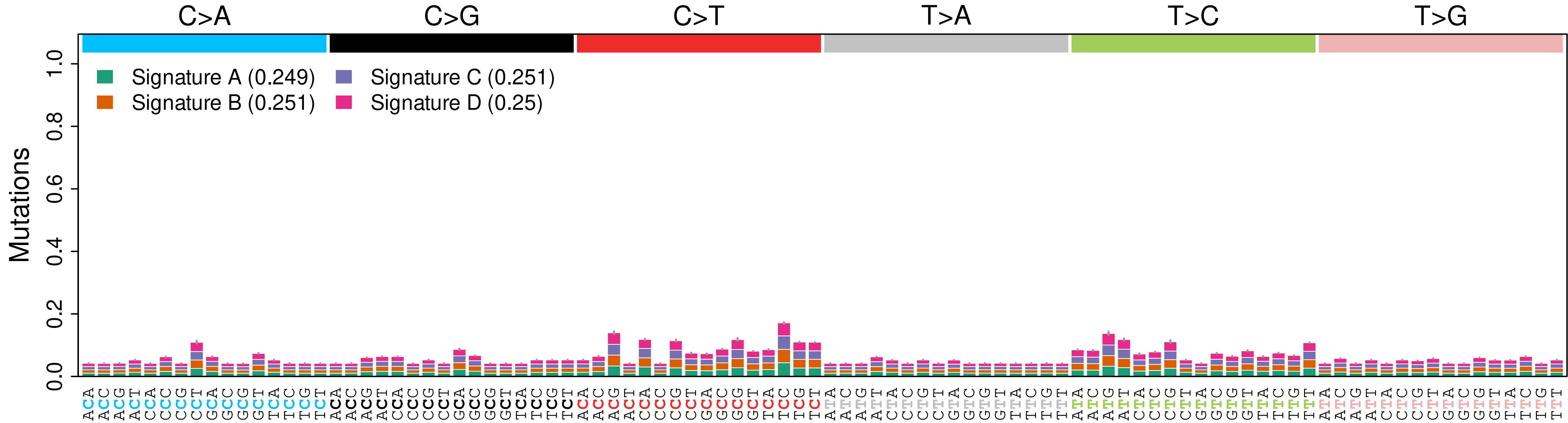
Reconstructed spectrum (cosine similarity = 0.287)

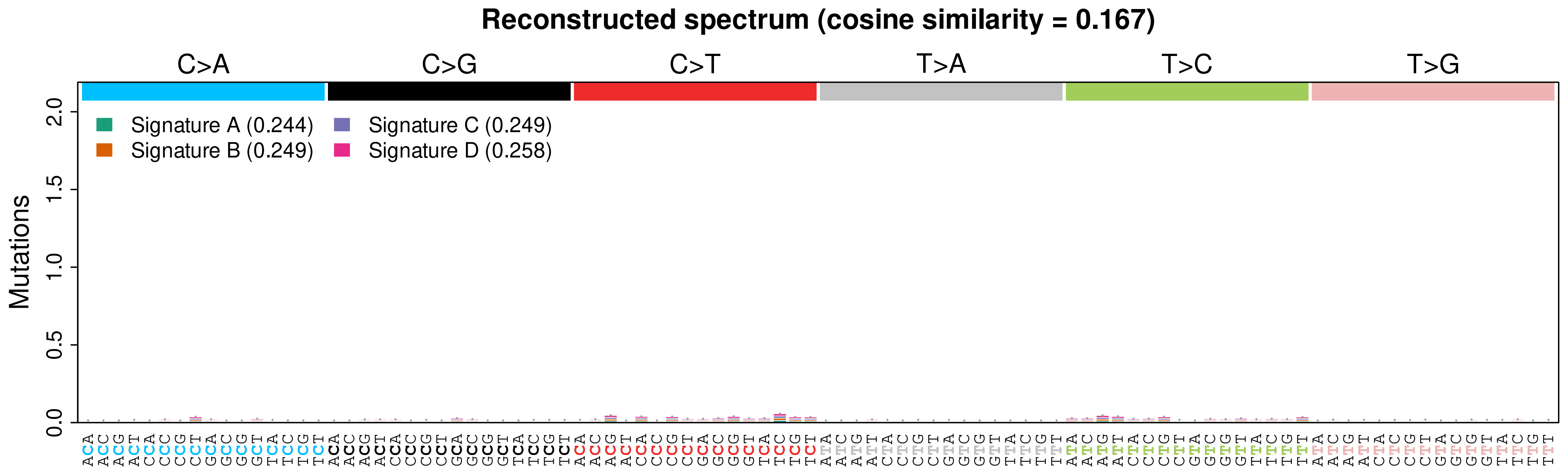
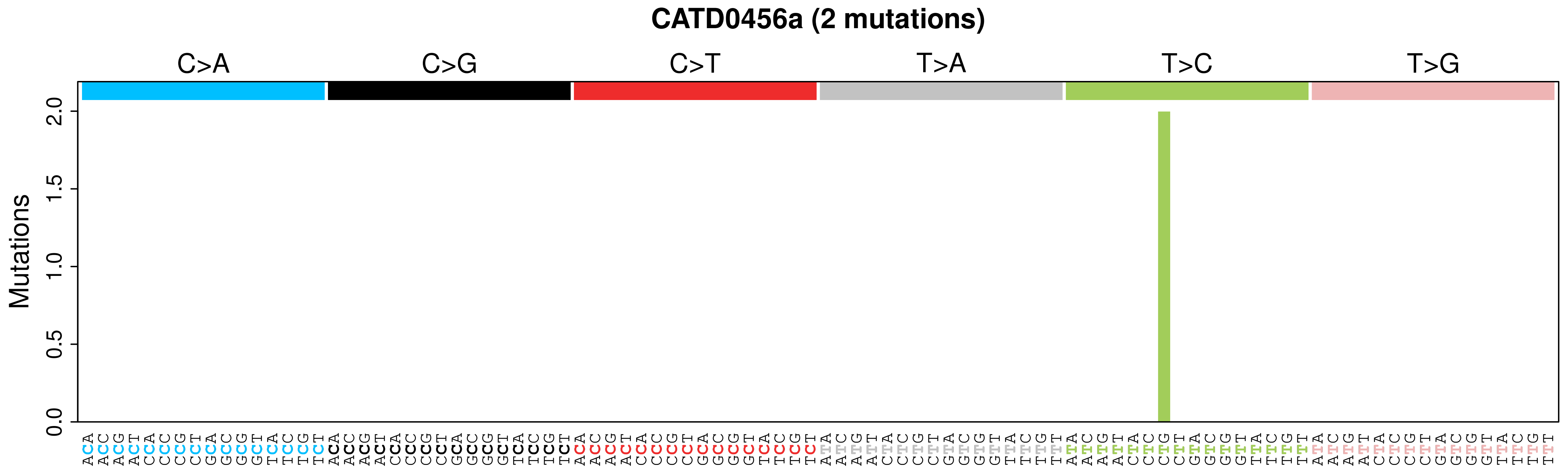


CATD0623a

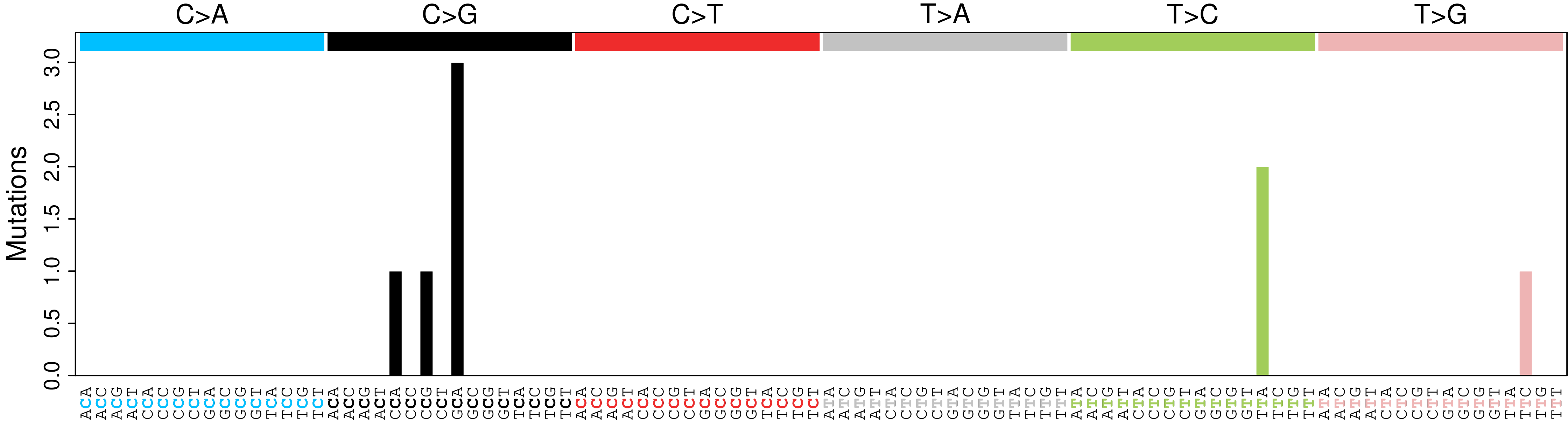


Reconstructed spectrum (cosine similarity = 0.327)

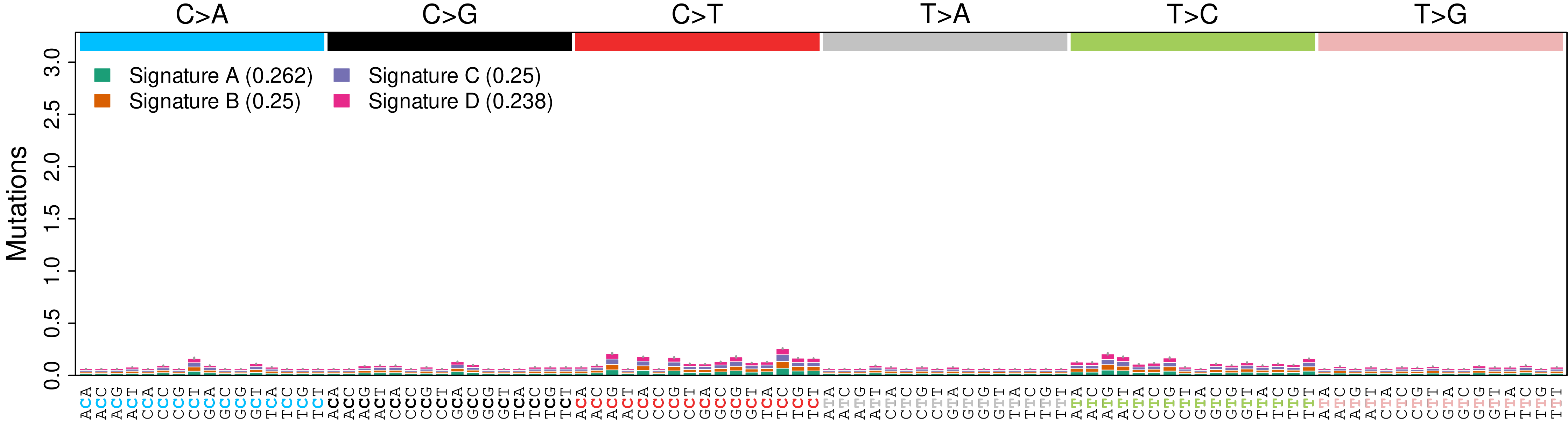




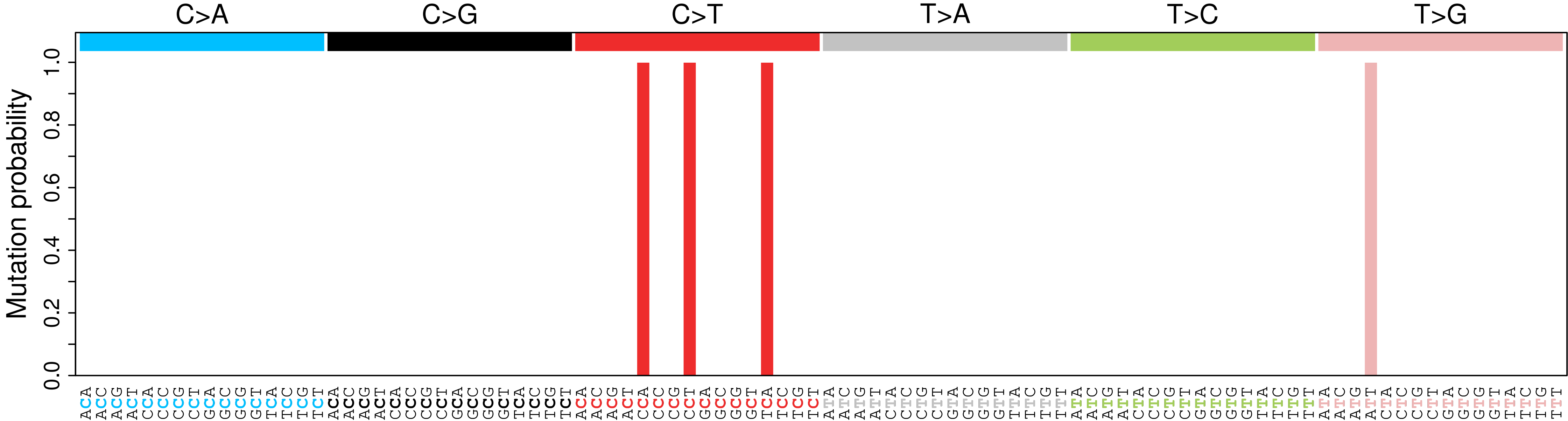
CATD0618a (8 mutations)



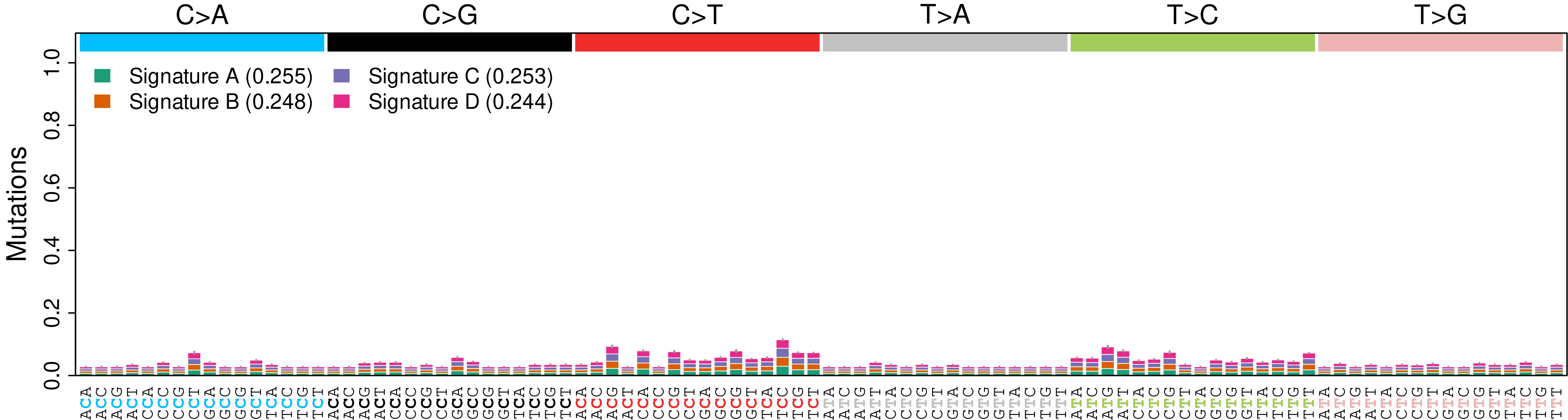
Reconstructed spectrum (cosine similarity = 0.213)



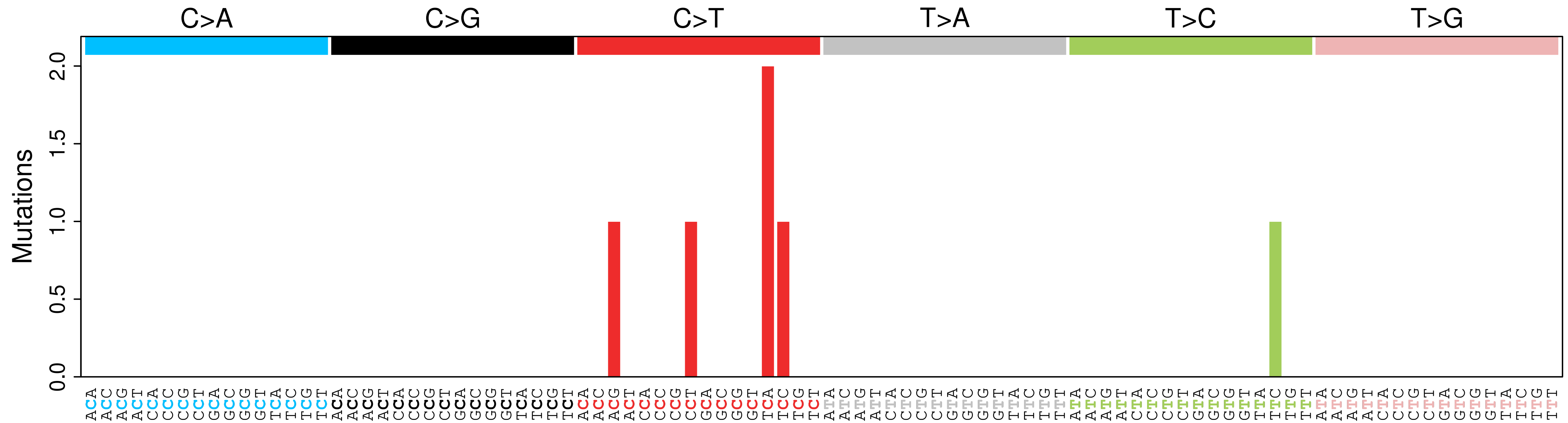
CATD0624a



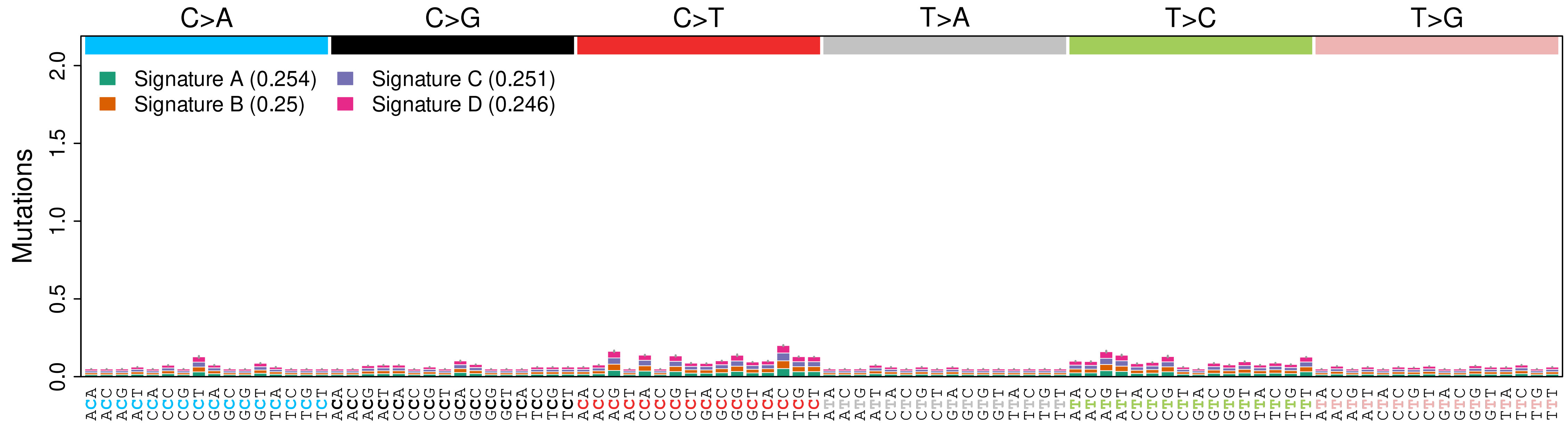
Reconstructed spectrum (cosine similarity = 0.249)



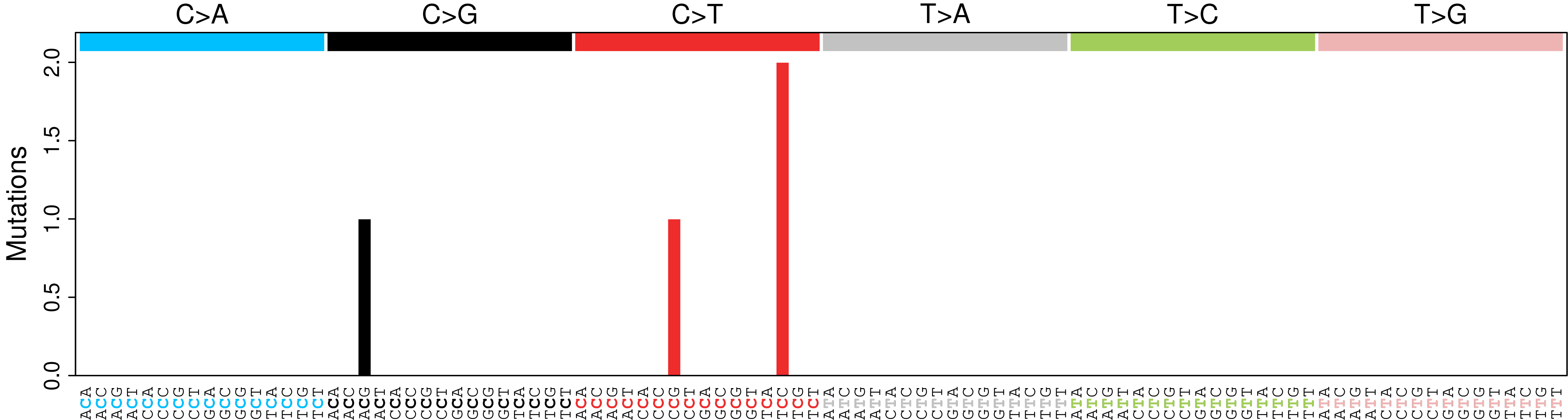
CATD0460a (6 mutations)



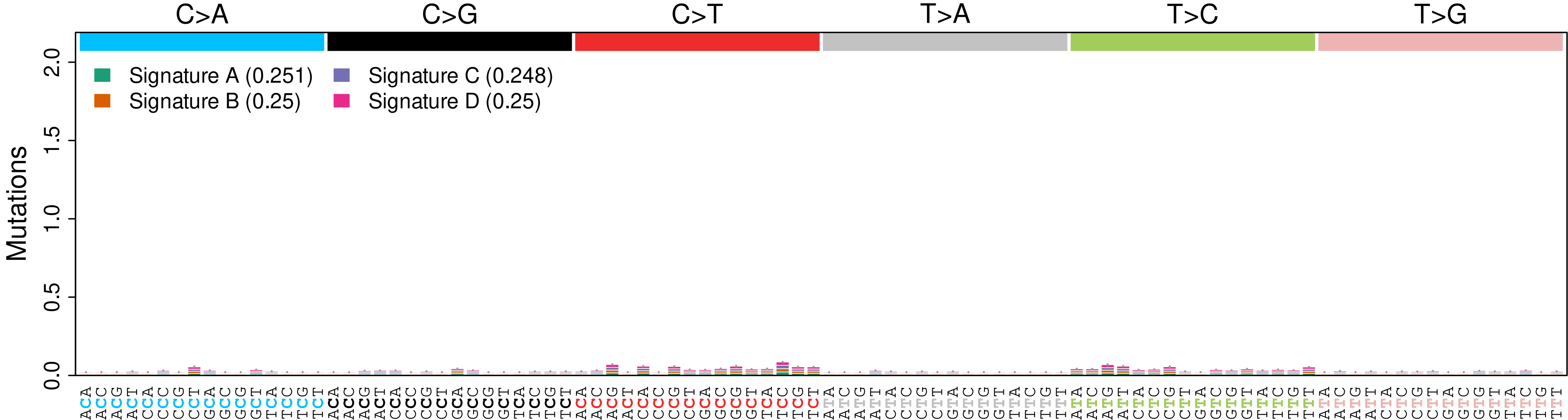
Reconstructed spectrum (cosine similarity = 0.335)

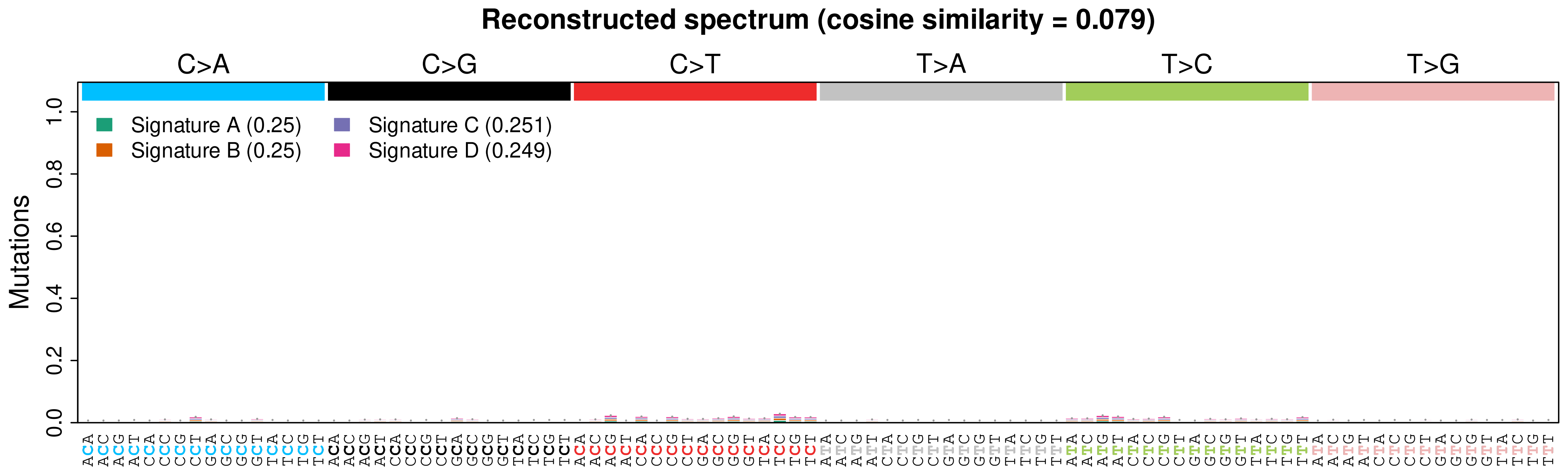
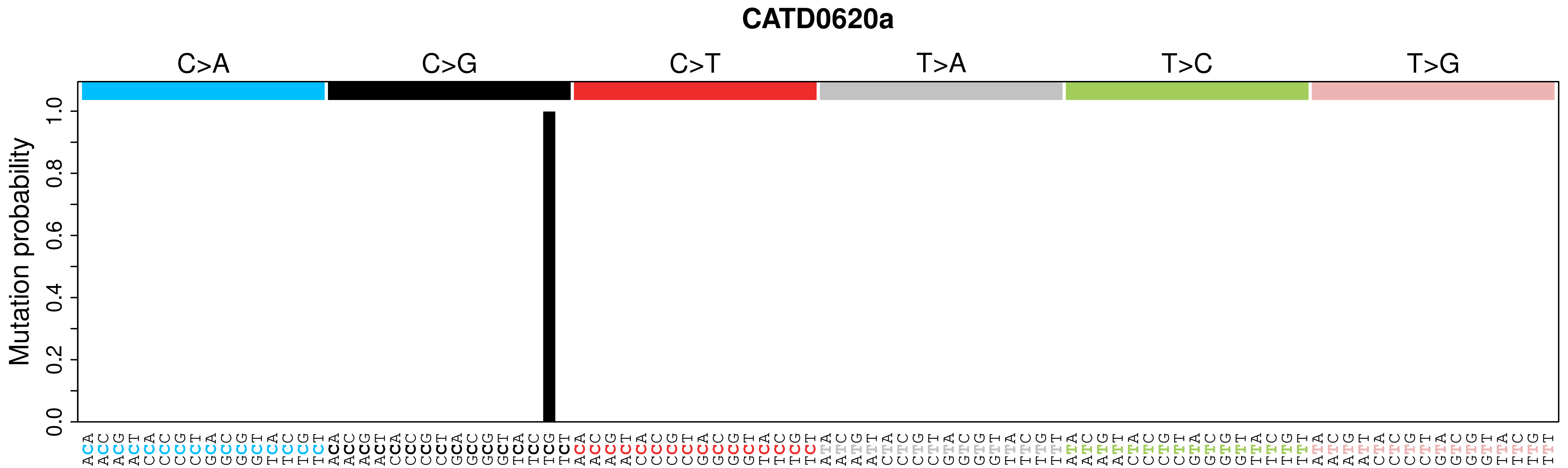


CATD0448a (4 mutations)

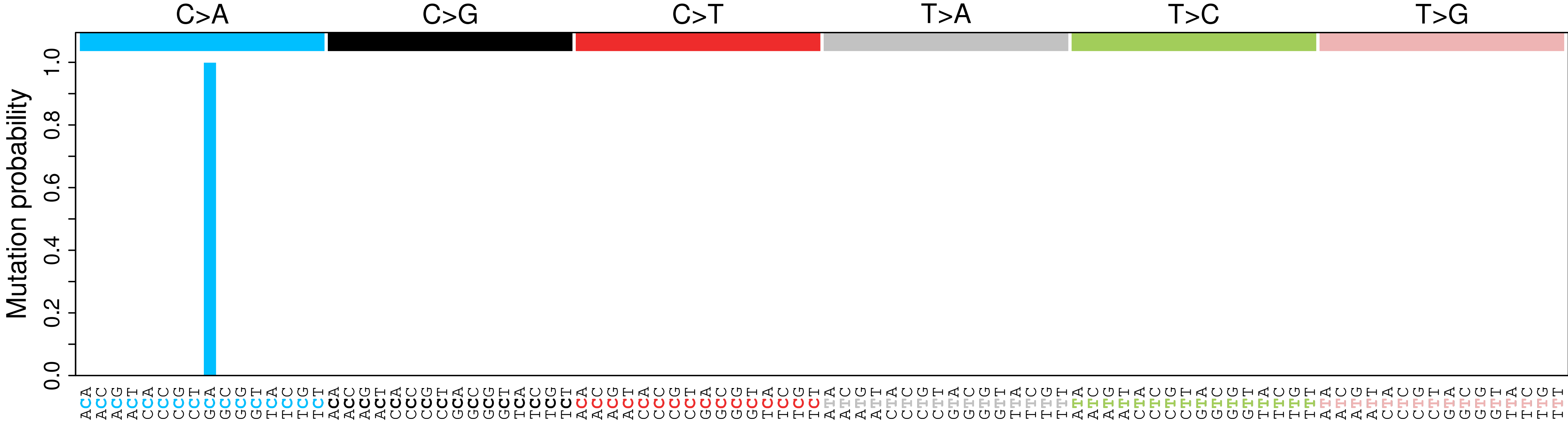


Reconstructed spectrum (cosine similarity = 0.317)

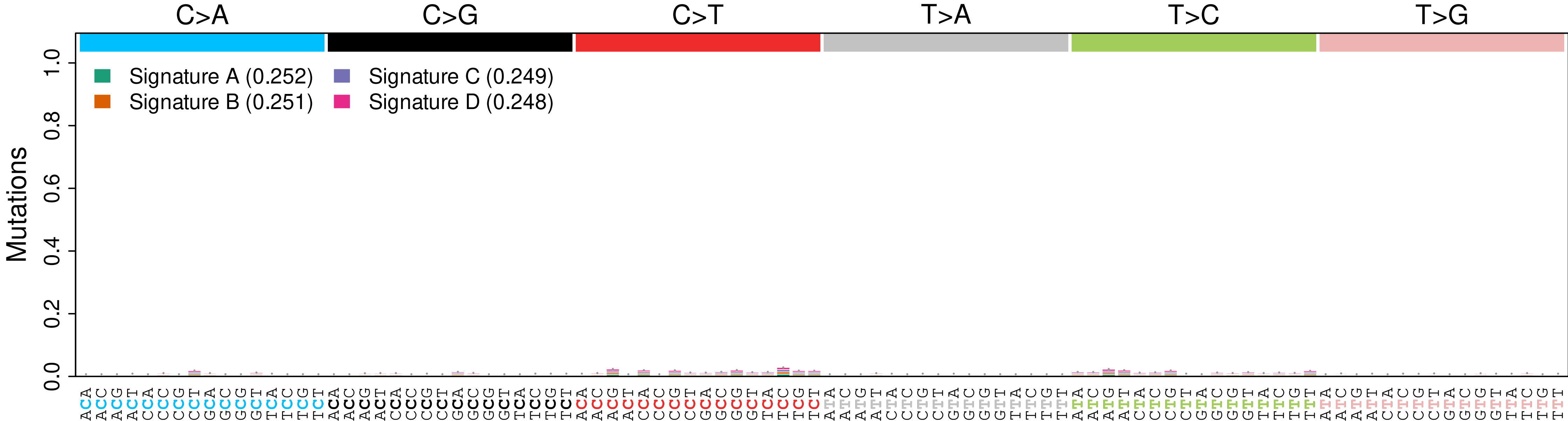




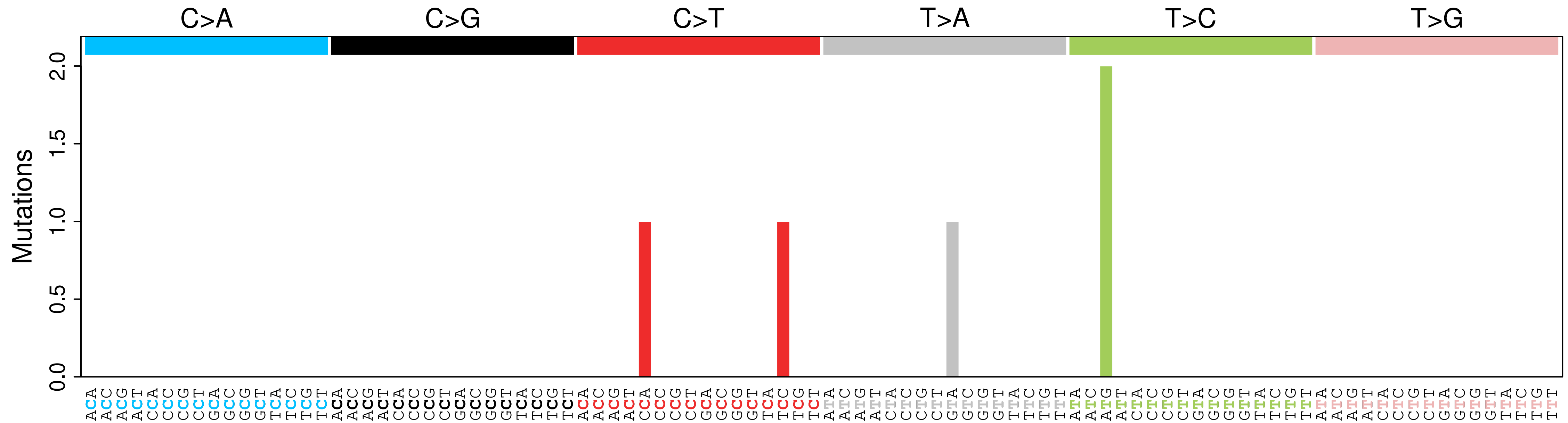
CATD0461a



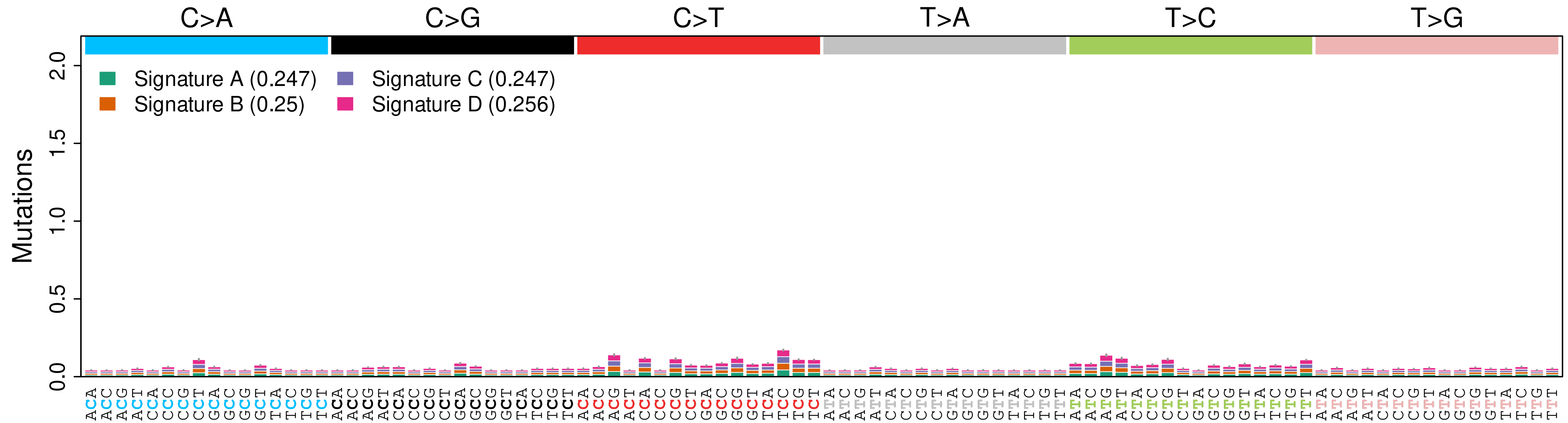
Reconstructed spectrum (cosine similarity = 0.095)



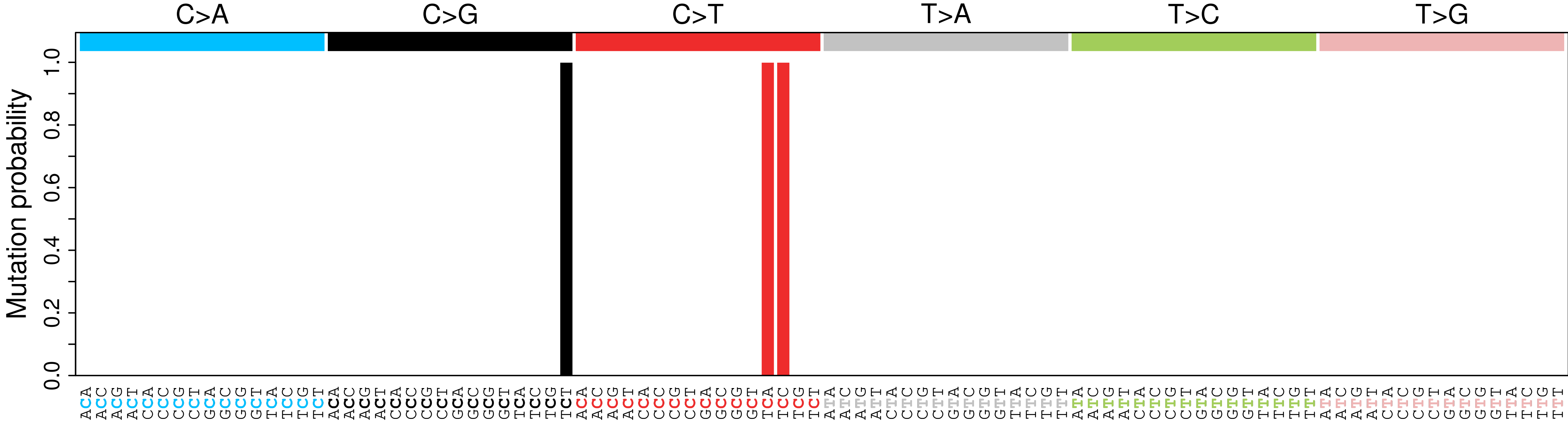
CATD0625a (5 mutations)



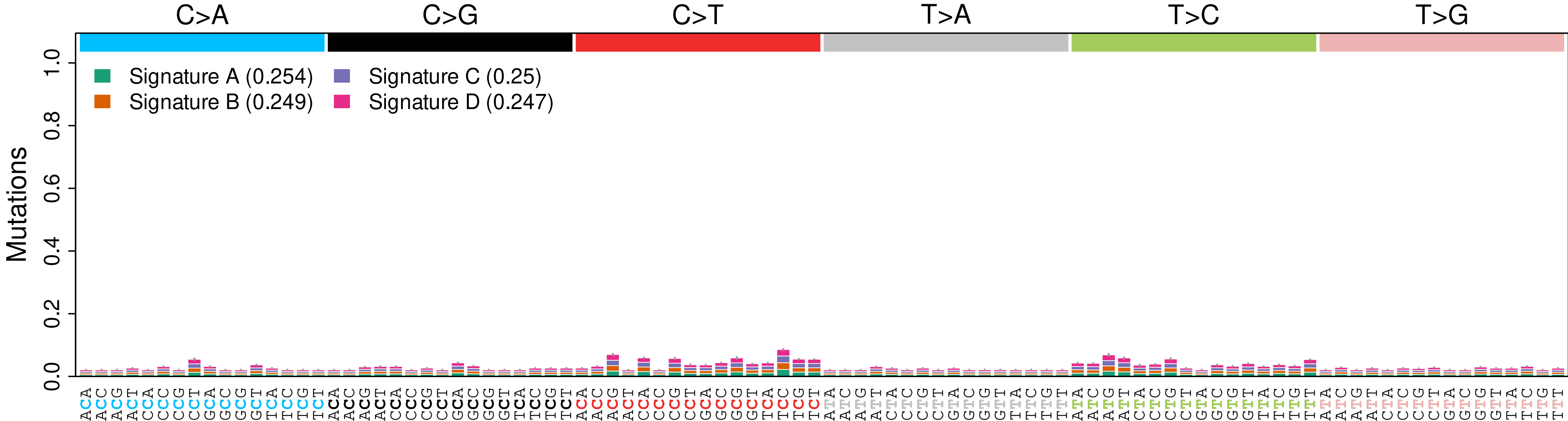
Reconstructed spectrum (cosine similarity = 0.35)



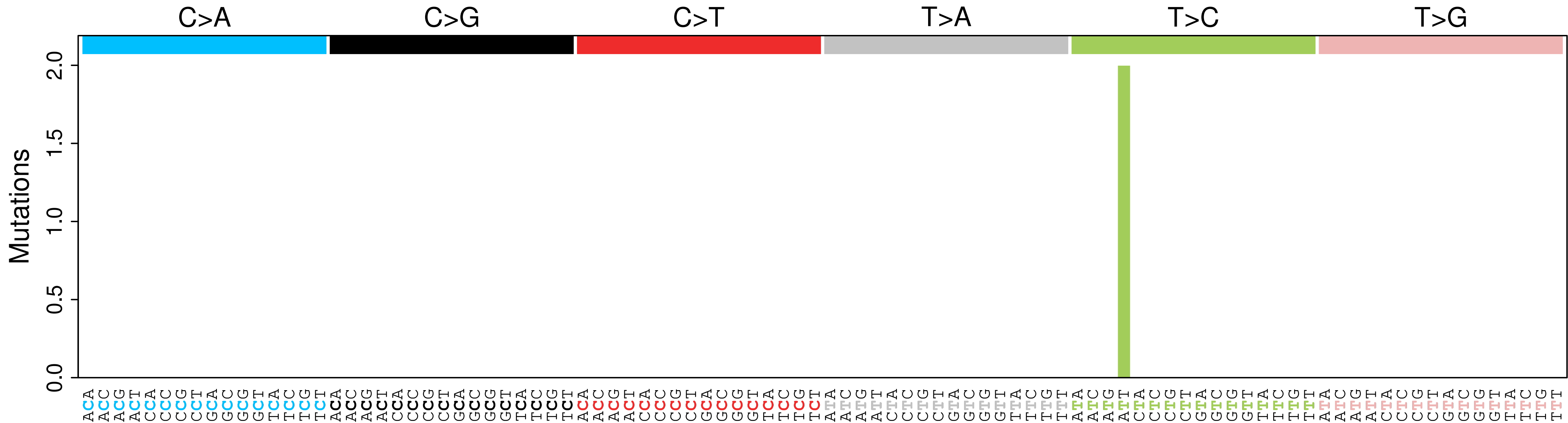
CATD0619a



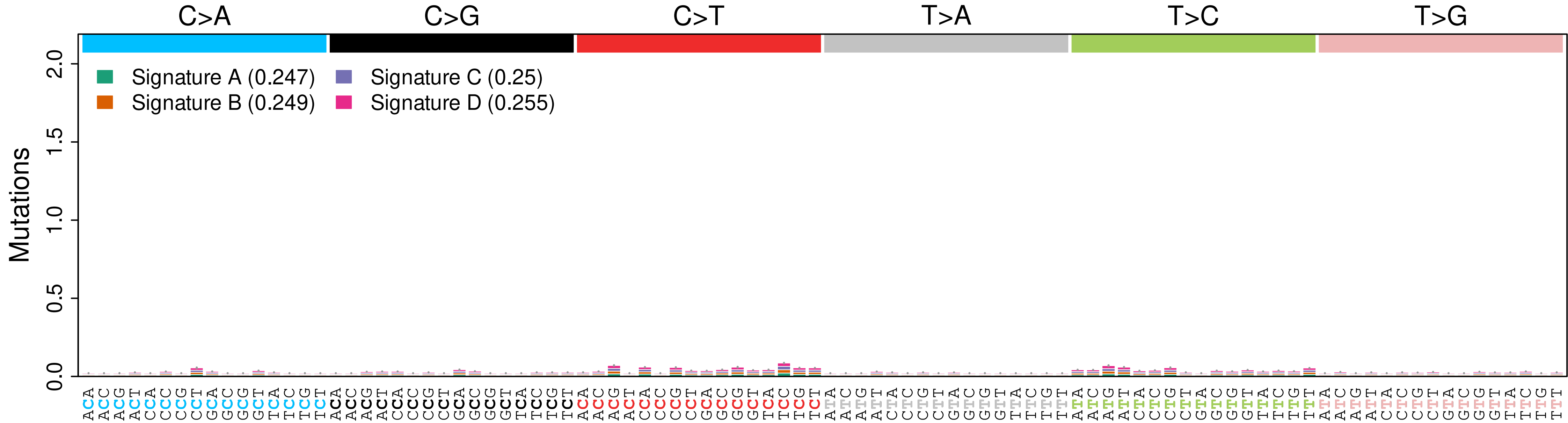
Reconstructed spectrum (cosine similarity = 0.269)



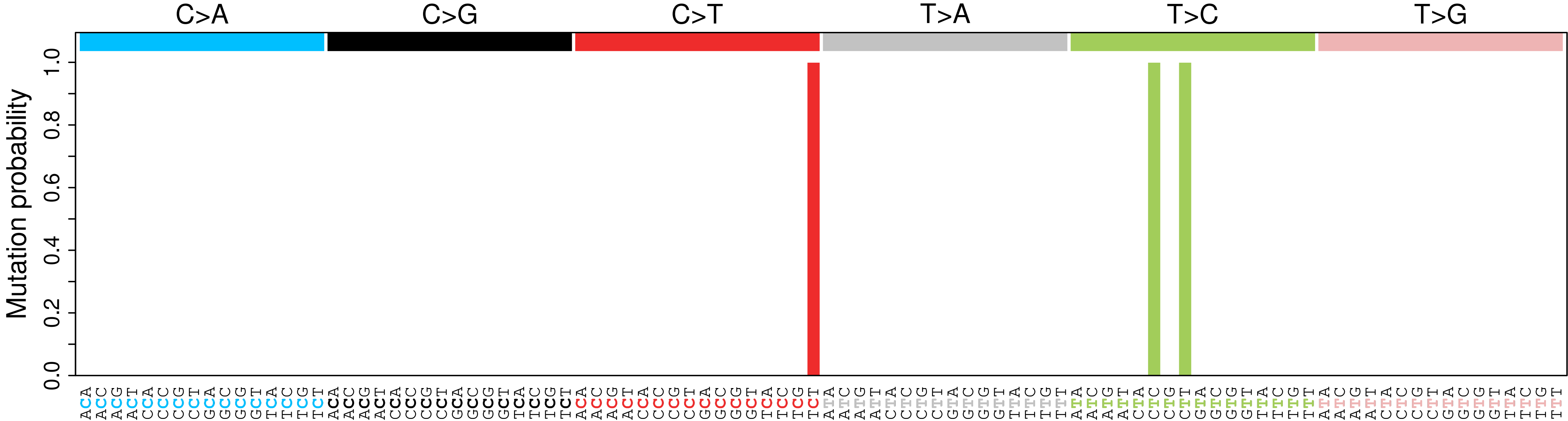
CATD0613a (2 mutations)



Reconstructed spectrum (cosine similarity = 0.177)



CATD0464a



Reconstructed spectrum (cosine similarity = 0.208)

