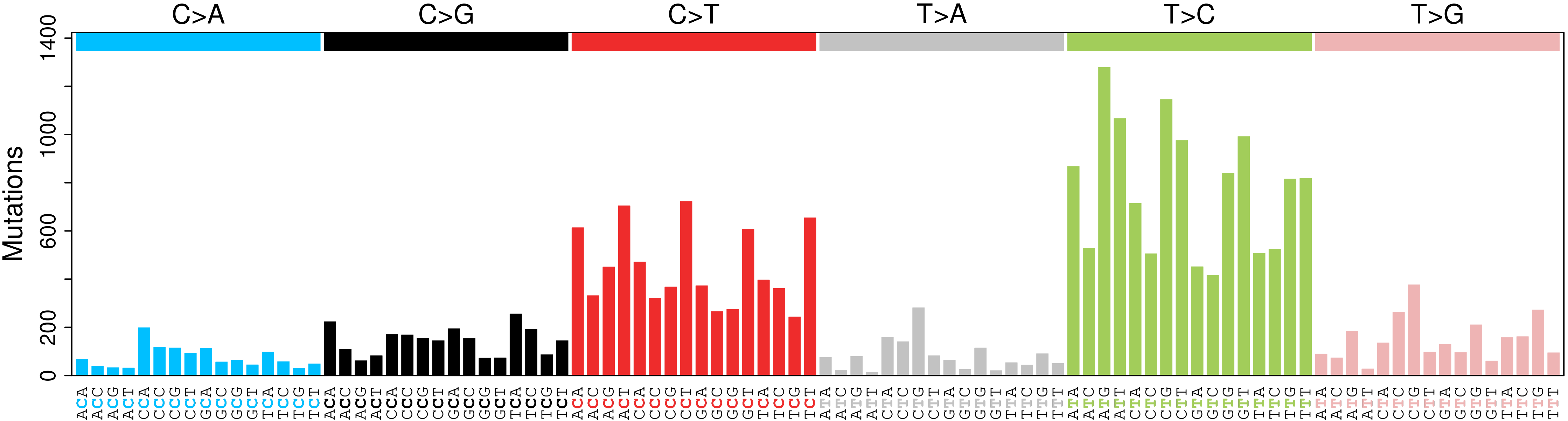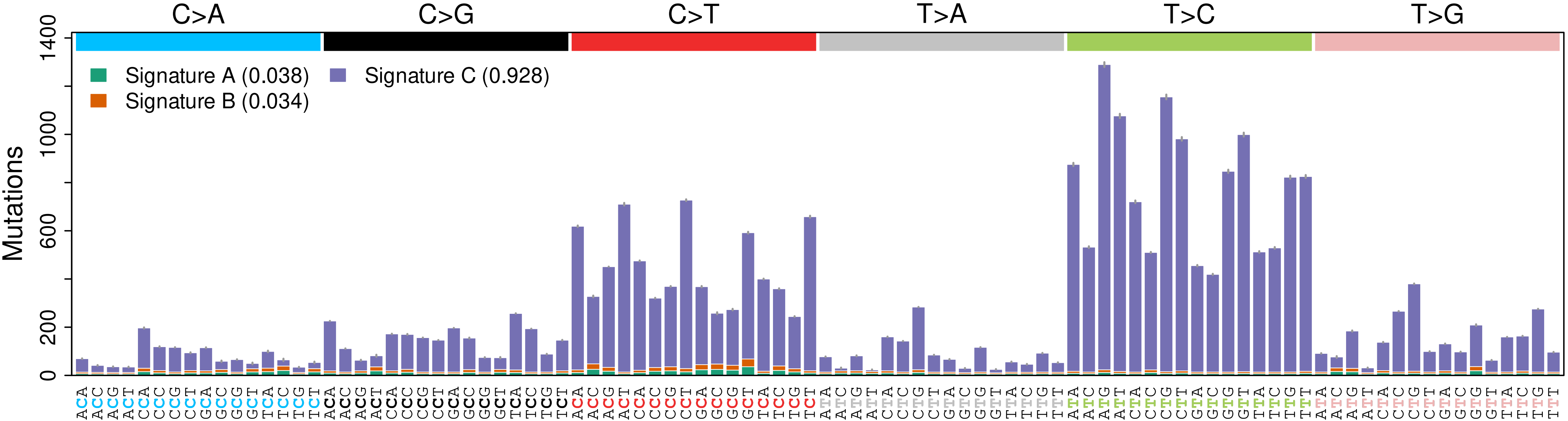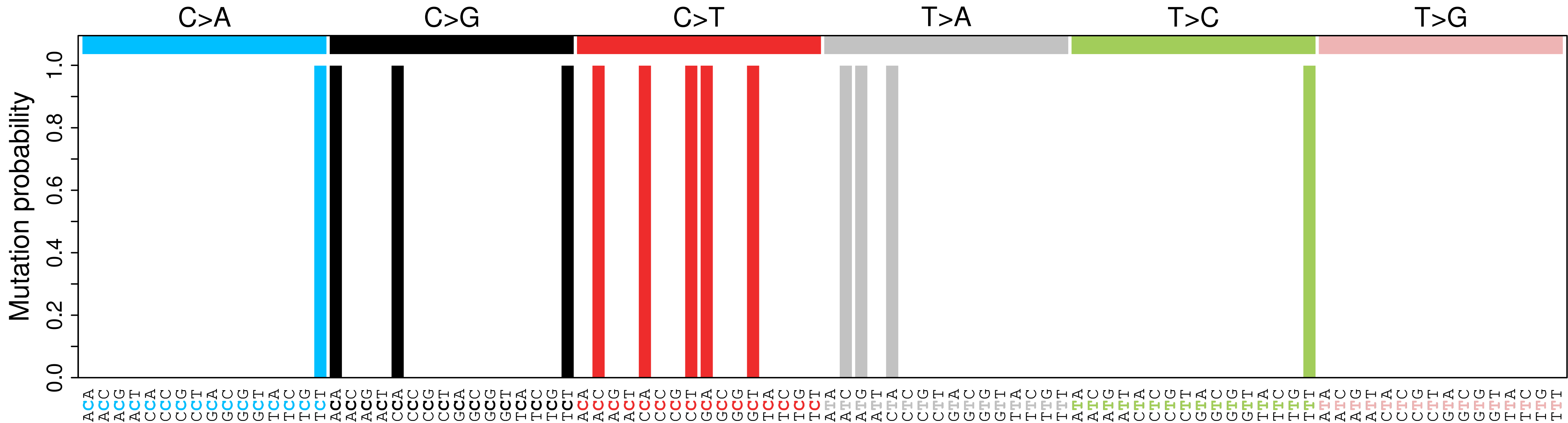CATD309a (27,083 mutations)
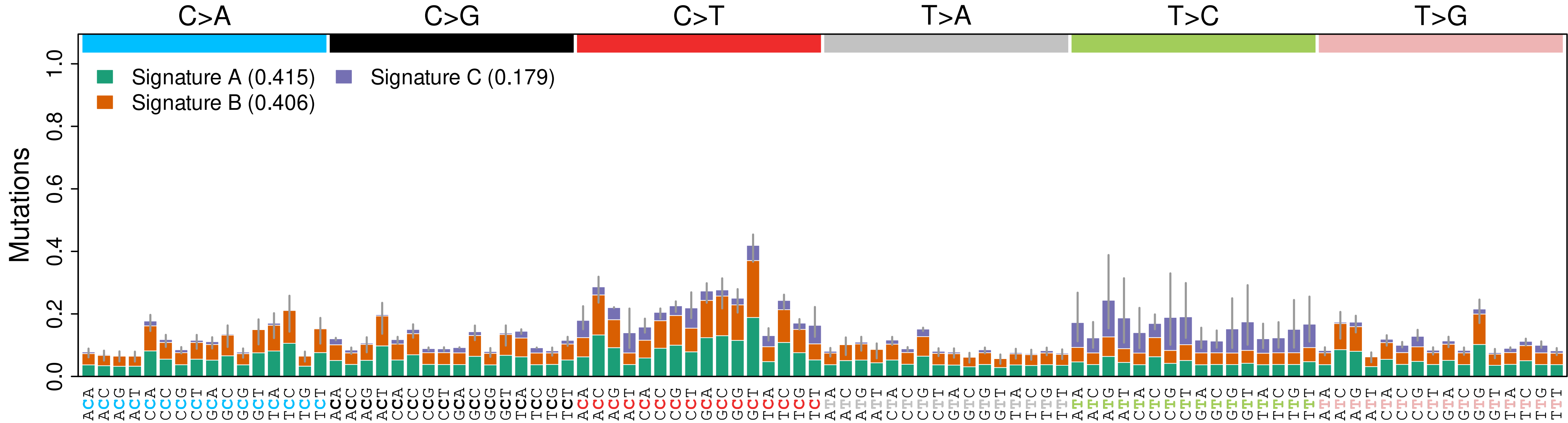
Reconstructed spectrum (cosine similarity = 1)

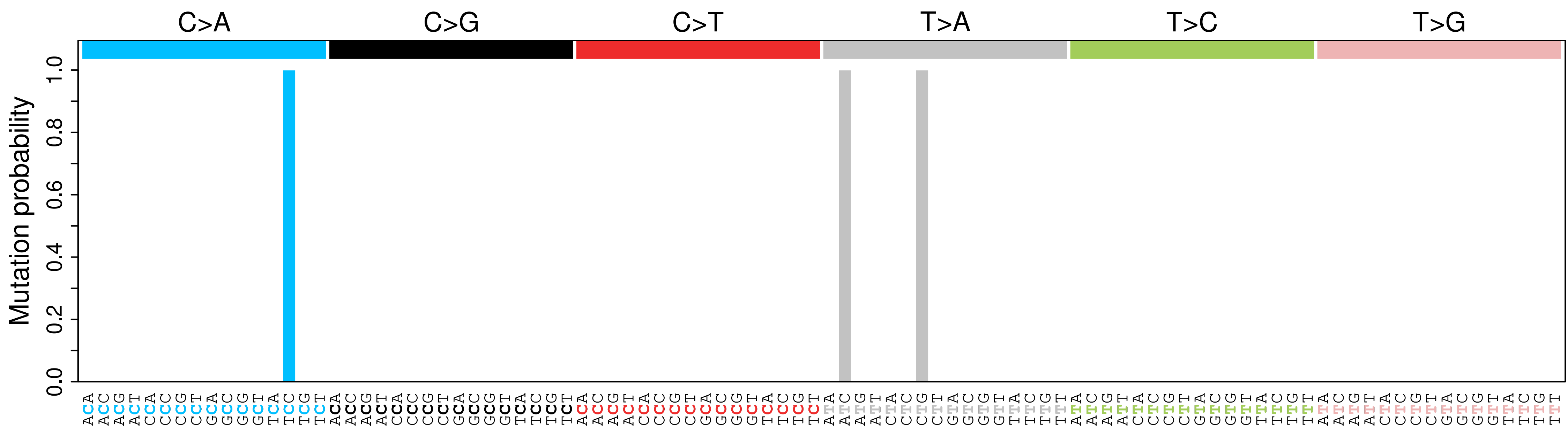Signature A (0.038)
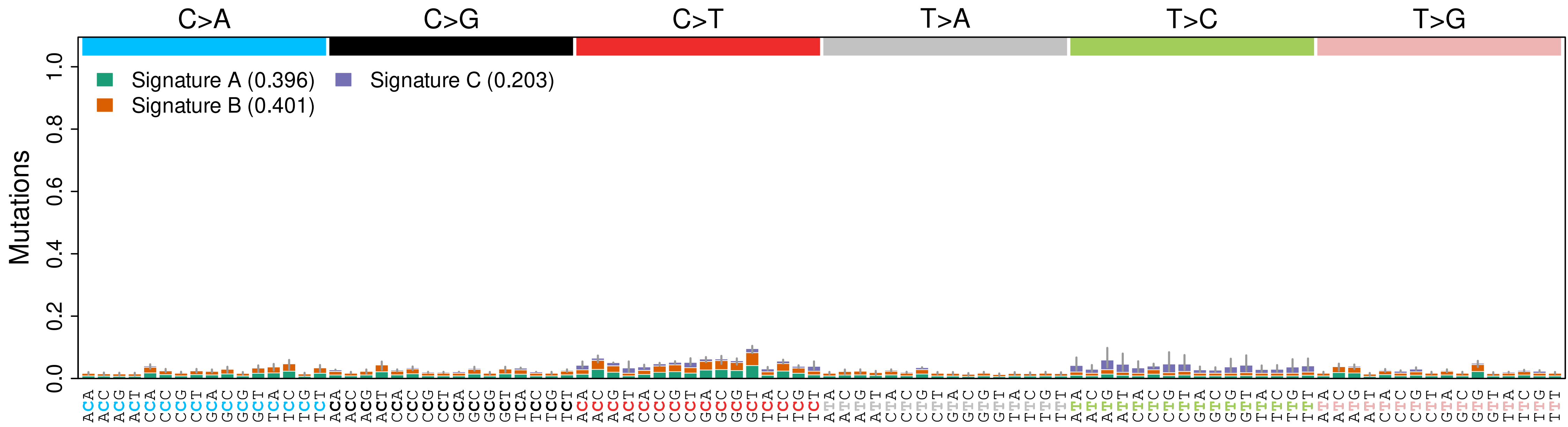Signature B (0.034)
Signature C (0.928)

CATD319a

Reconstructed spectrum (cosine similarity = 0.449)

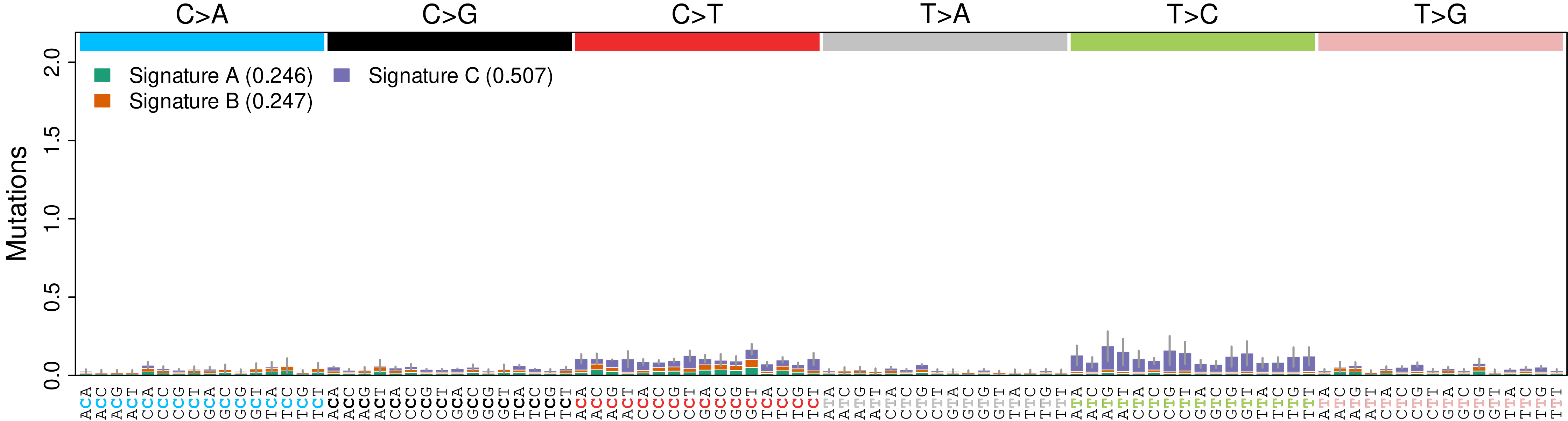**CATD310a**

Reconstructed spectrum (cosine similarity = 0.181)

Signature A (0.396)
Signature B (0.401)
Signature C (0.203)

CATD297a (4 mutations)

Reconstructed spectrum (cosine similarity = 0.31)

Signature A (0.246)   Signature C (0.507)
Signature B (0.247)

CATD312a (5 mutations)

Reconstructed spectrum (cosine similarity = 0.278)

Signature A (0.376) Signature C (0.254)
Signature B (0.37)
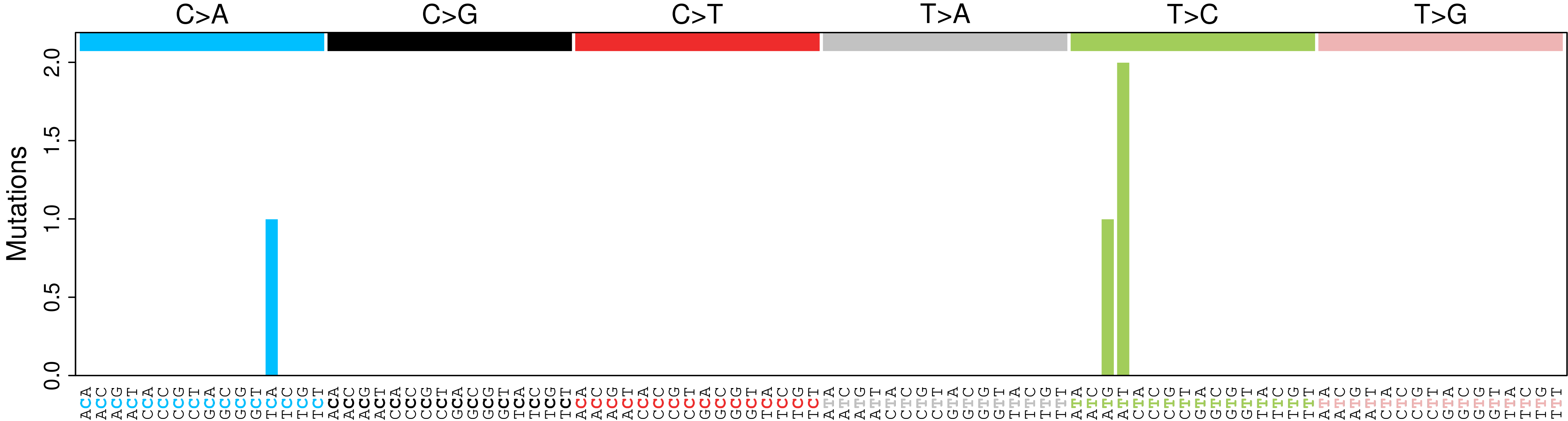
CATD323a (5 mutations)

Reconstructed spectrum (cosine similarity = 0.28)

Signature A (0.42) Signature C (0.159)
Signature B (0.421)
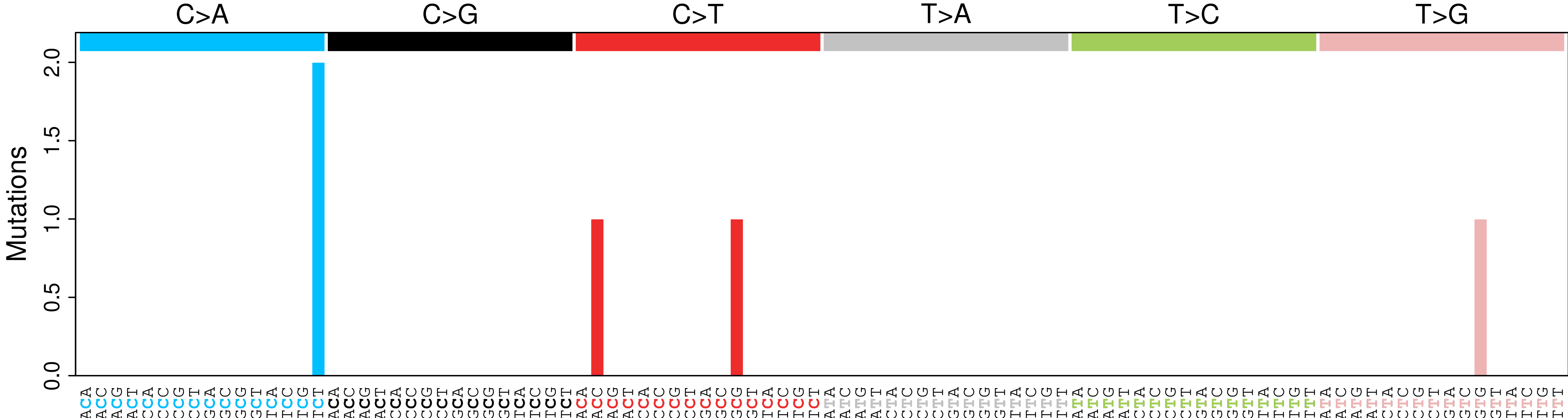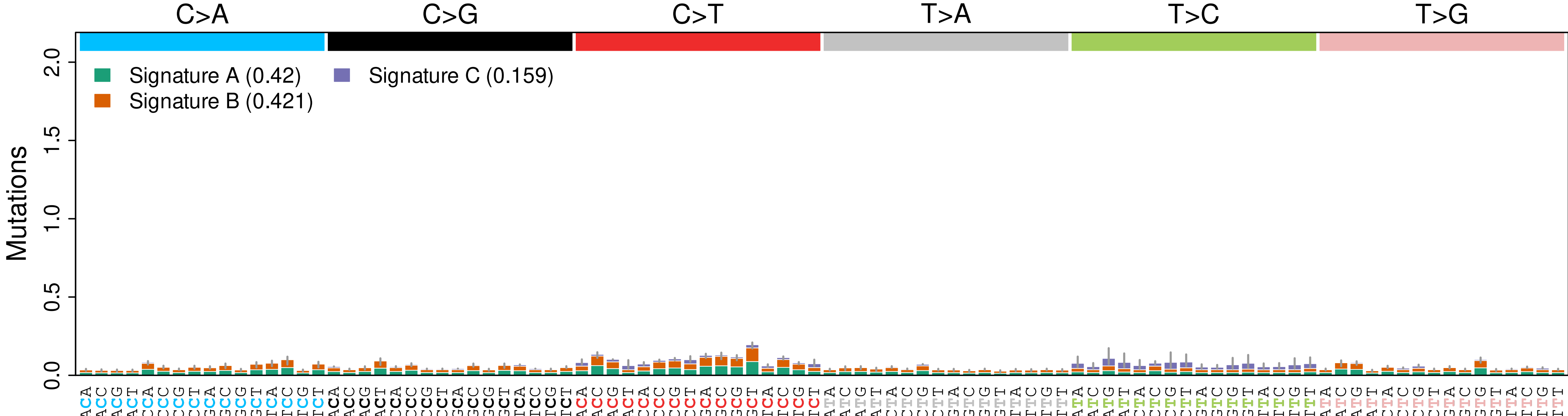
CATD314a (6 mutations)

Reconstructed spectrum (cosine similarity = 0.337)

Signature A (0.263)
Signature B (0.265)
Signature C (0.471)

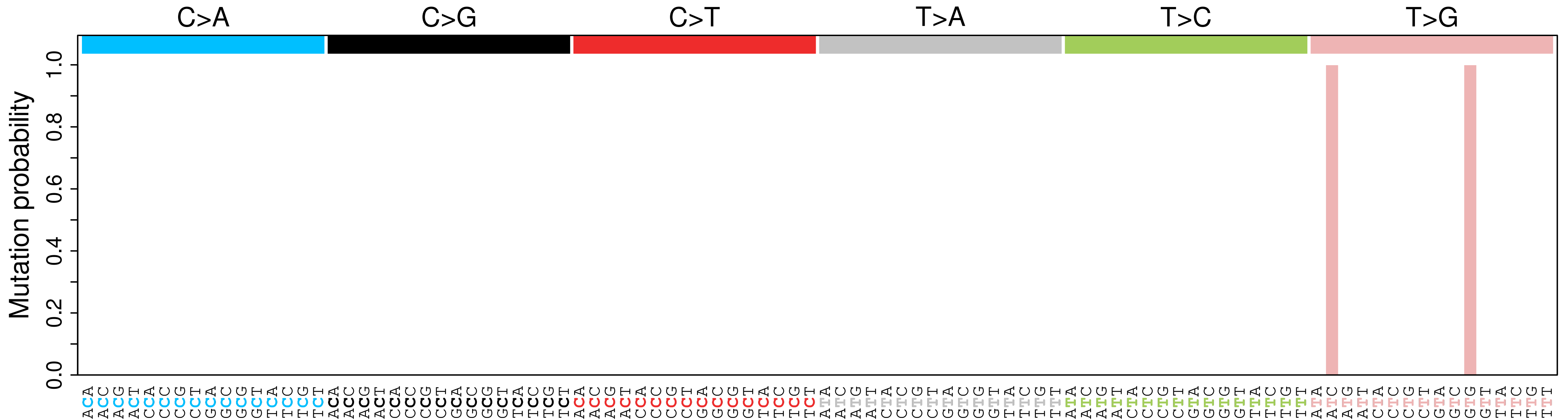**CATD329a (35 mutations)**

Reconstructed spectrum (cosine similarity = 0.607)

Signature A (0.491)
Signature B (0.455)
Signature C (0.054)
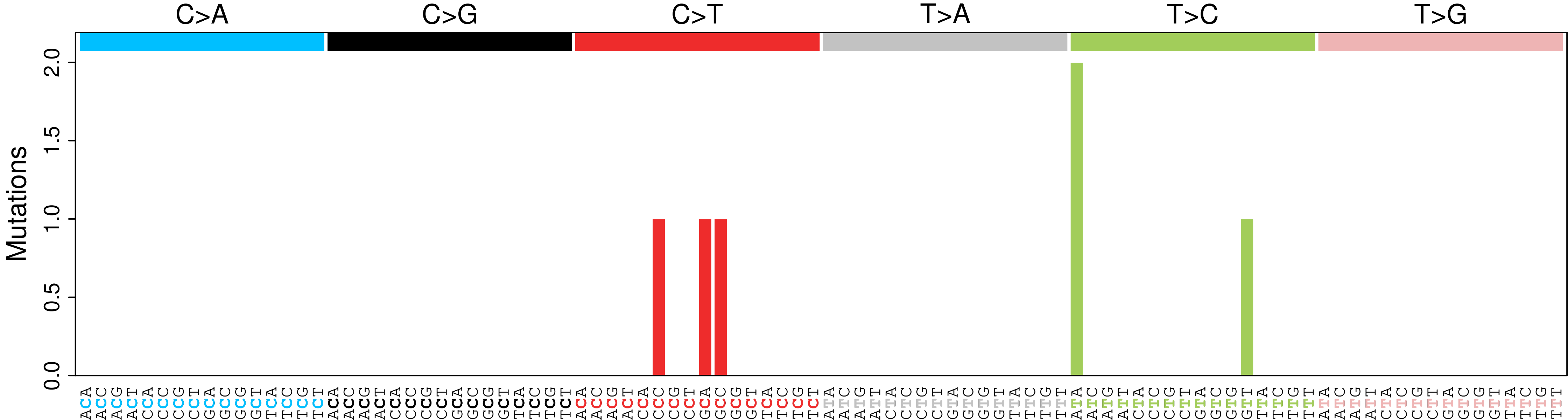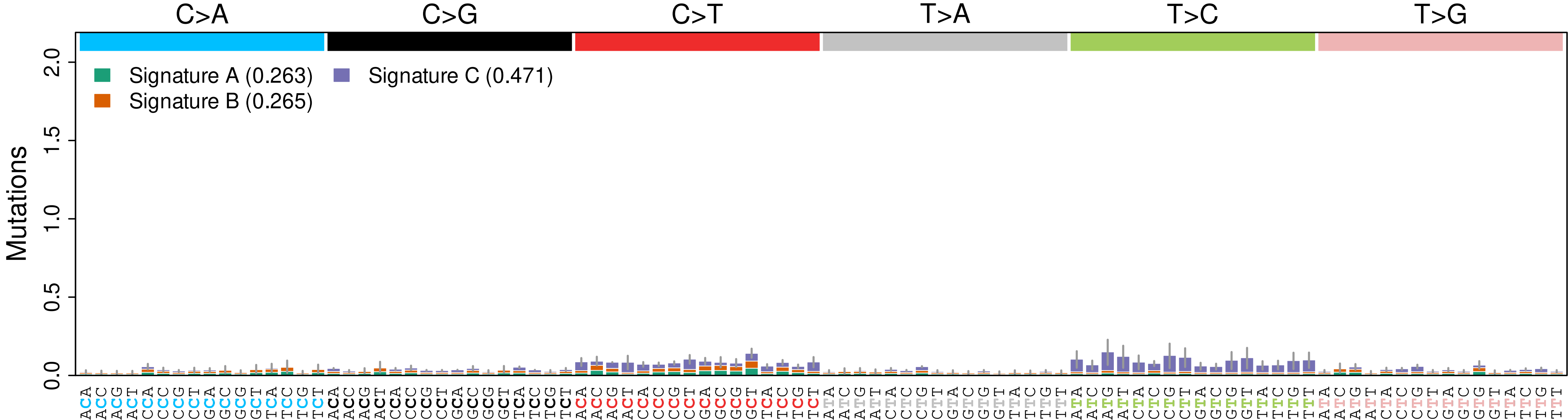
CATD311a

Reconstructed spectrum (cosine similarity = 0.179)

Signature A (0.386)   Signature C (0.232)
Signature B (0.383)

CATD306a (4 mutations)

Reconstructed spectrum (cosine similarity = 0.212)

Signature A (0.394)   Signature C (0.205)
Signature B (0.4)

CATD320a (8 mutations)

Reconstructed spectrum (cosine similarity = 0.328)

Signature A (0.352)
Signature B (0.346)
Signature C (0.302)
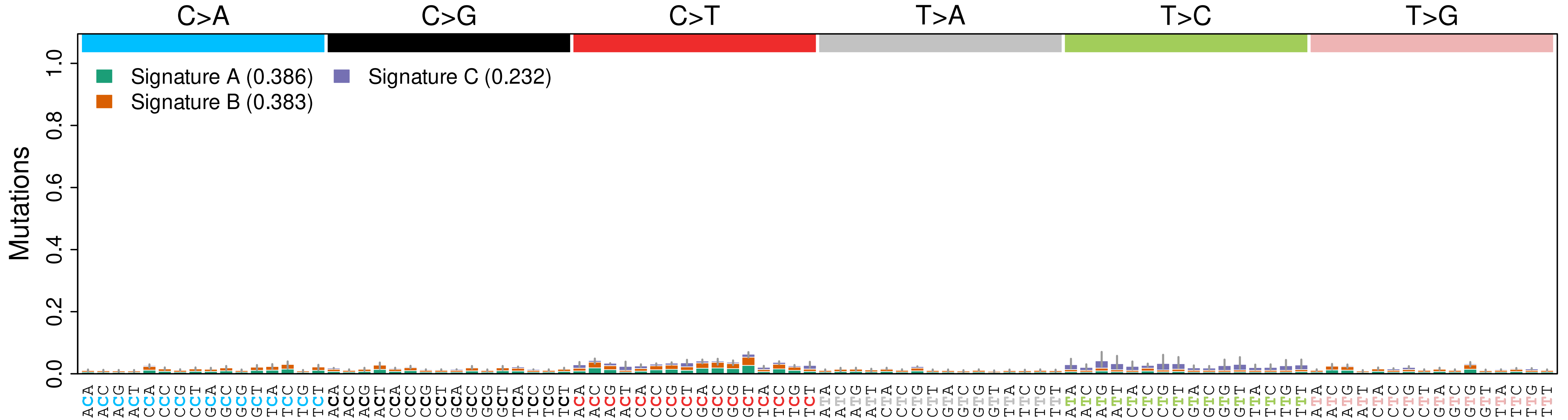
CATD300a (8 mutations)

Reconstructed spectrum (cosine similarity = 0.301)

Signature A (0.44)
Signature B (0.442)
Signature C (0.118)

CATD328a (8 mutations)

Reconstructed spectrum (cosine similarity = 0.308)

Signature A (0.375)
Signature B (0.364)
Signature C (0.261)
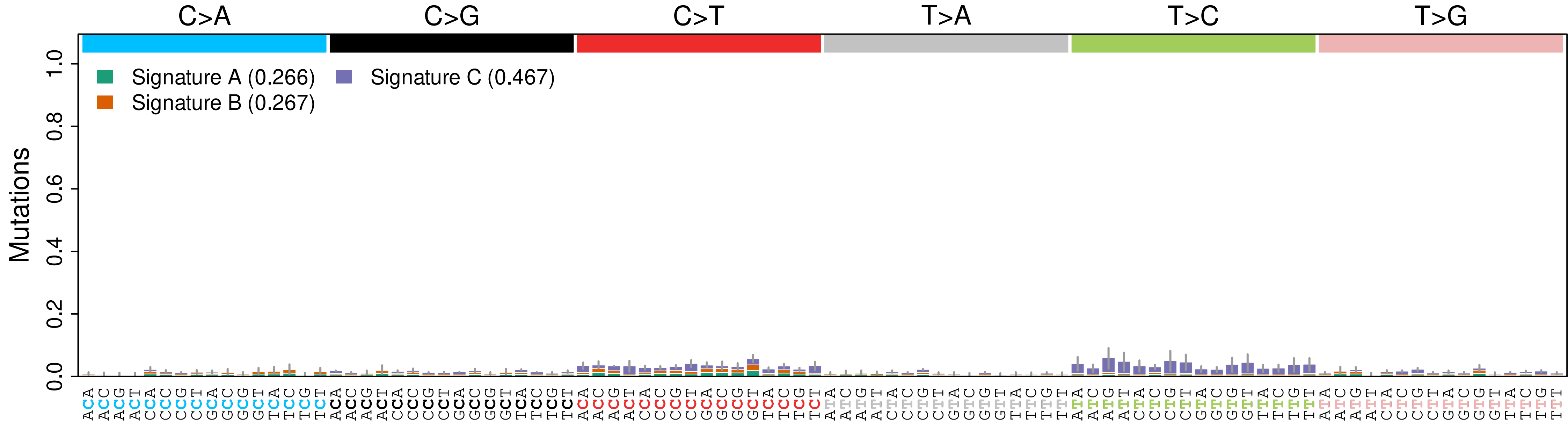
CATD0674a

CATD318a (2 mutations)

Reconstructed spectrum (cosine similarity = 0.177)

Signature A (0.362) Signature C (0.279)
Signature B (0.36)

CATD301a (6 mutations)

Reconstructed spectrum (cosine similarity = 0.286)

Signature A (0.325) Signature C (0.348)
Signature B (0.327)
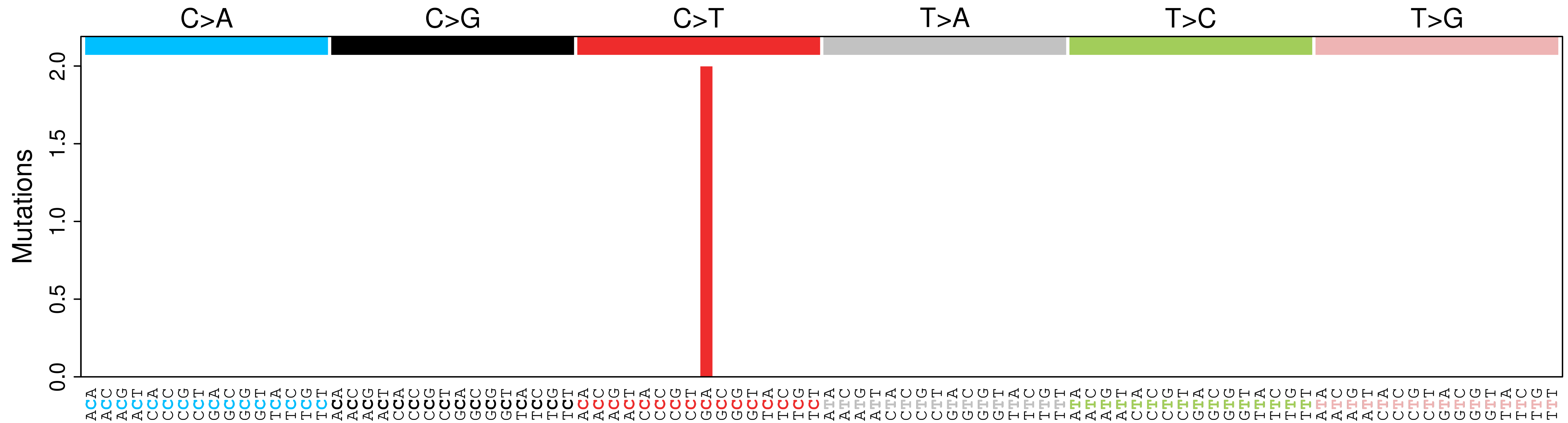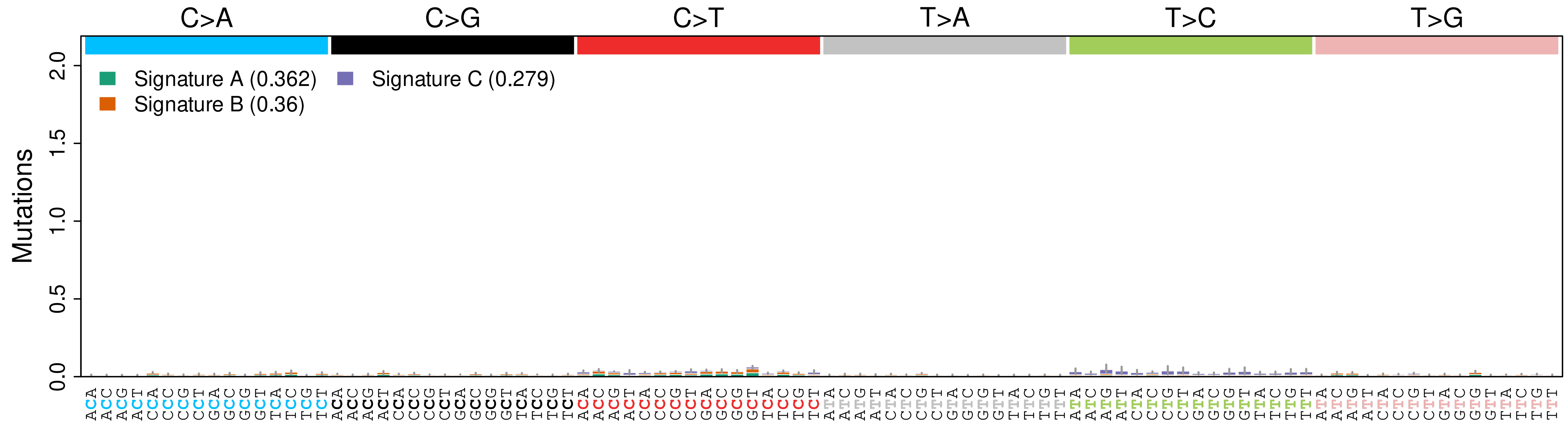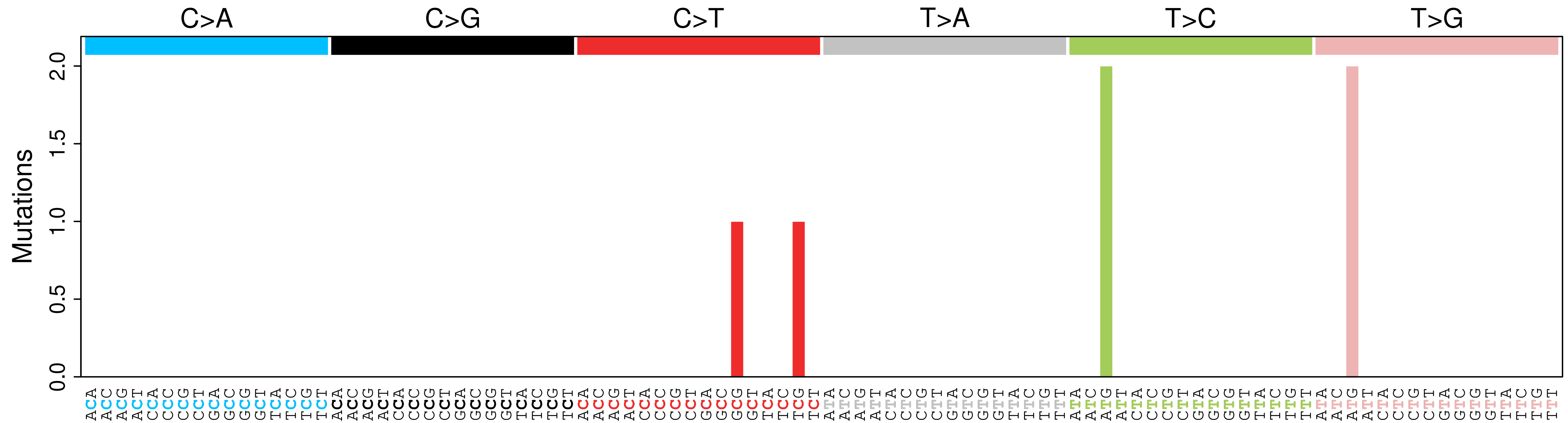
CATD308a

Reconstructed spectrum (cosine similarity = 0.14)

Signature A (0.312) Signature C (0.376)
Signature B (0.312)
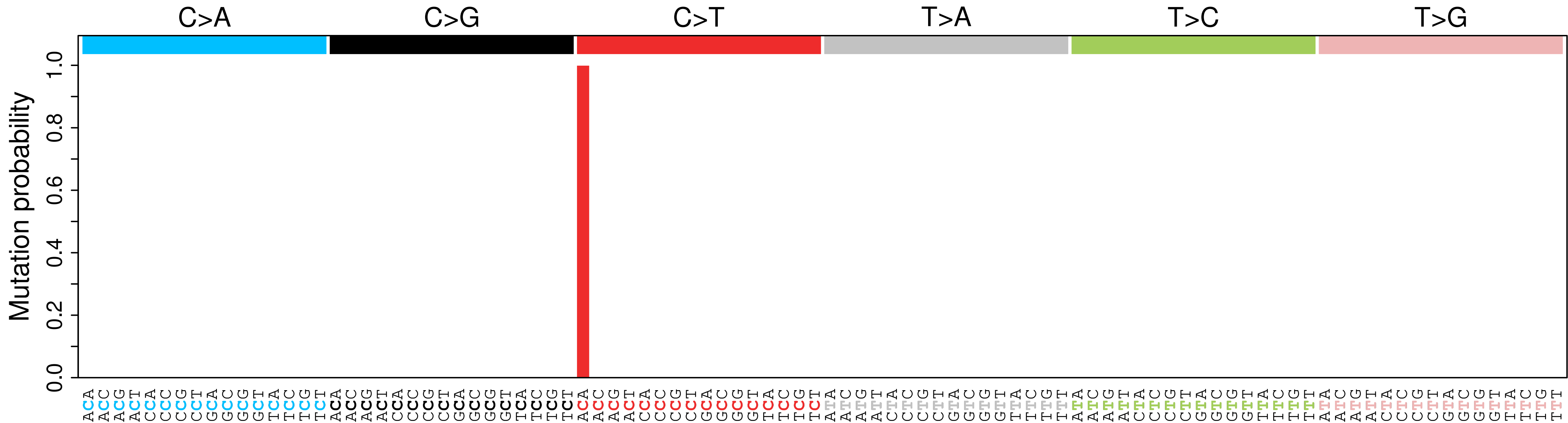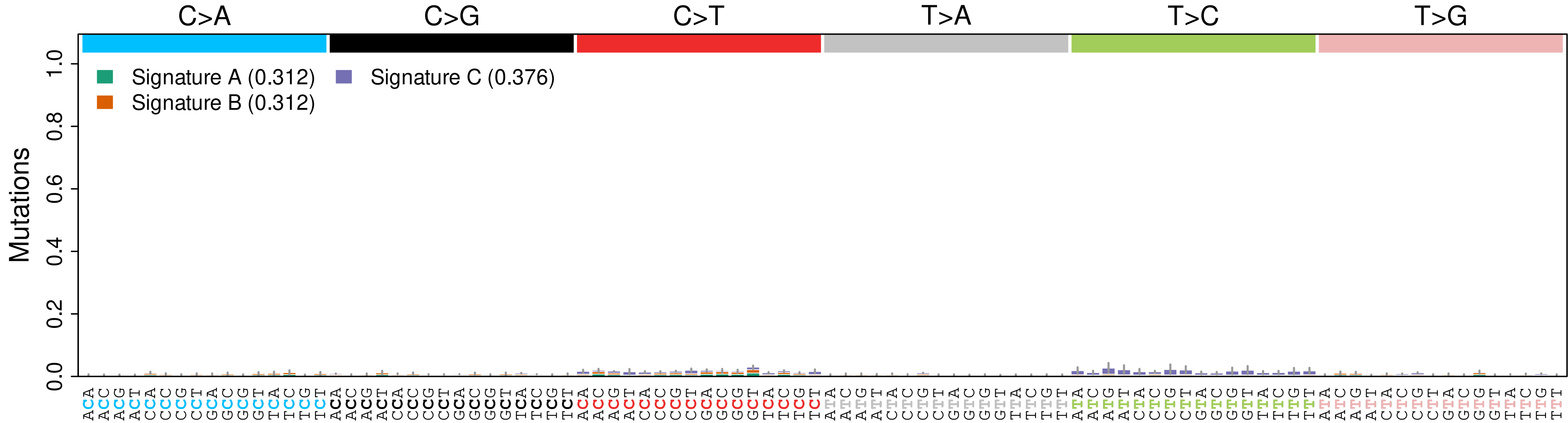
CATD296a
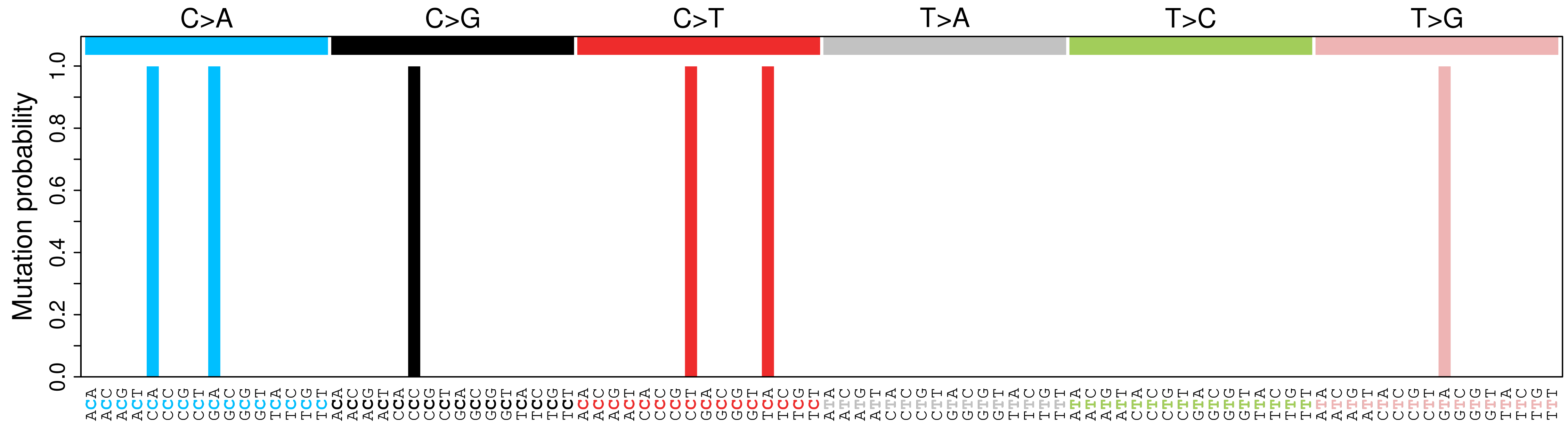
Reconstructed spectrum (cosine similarity = 0.249)

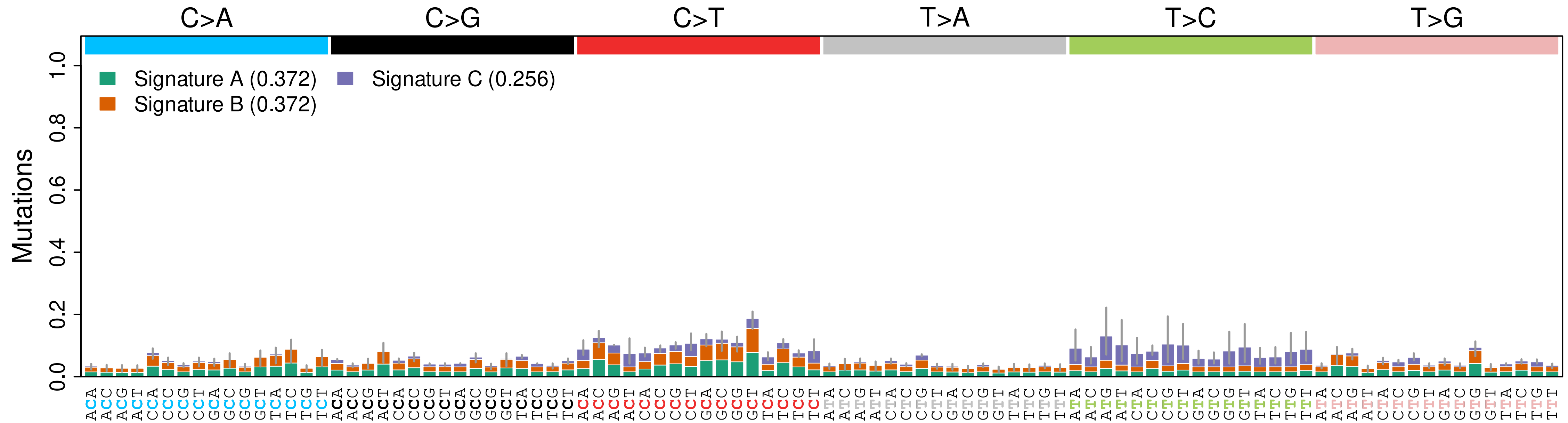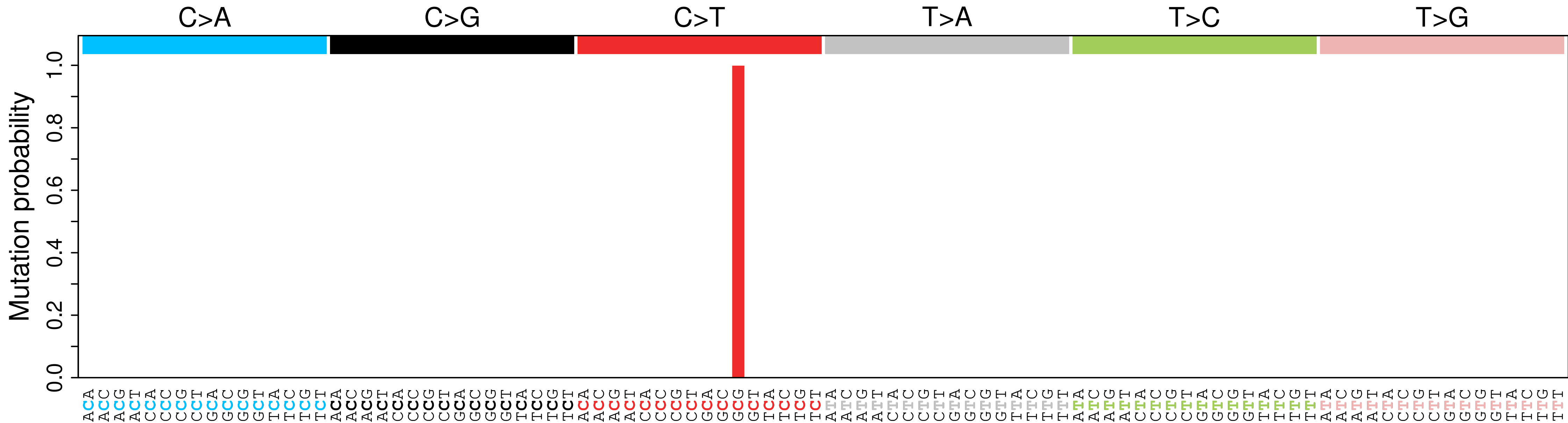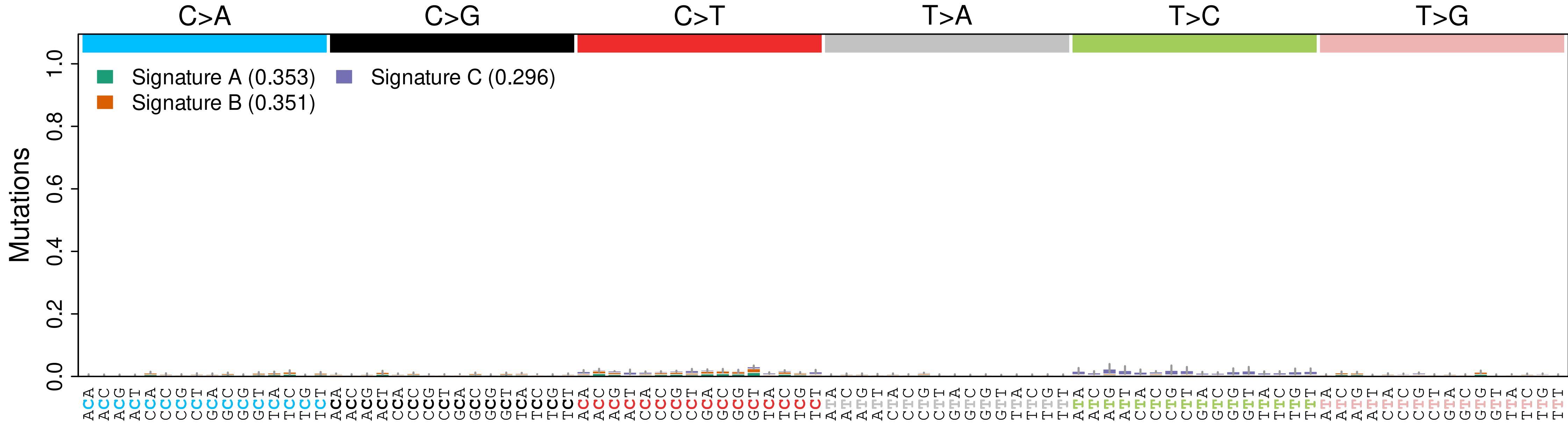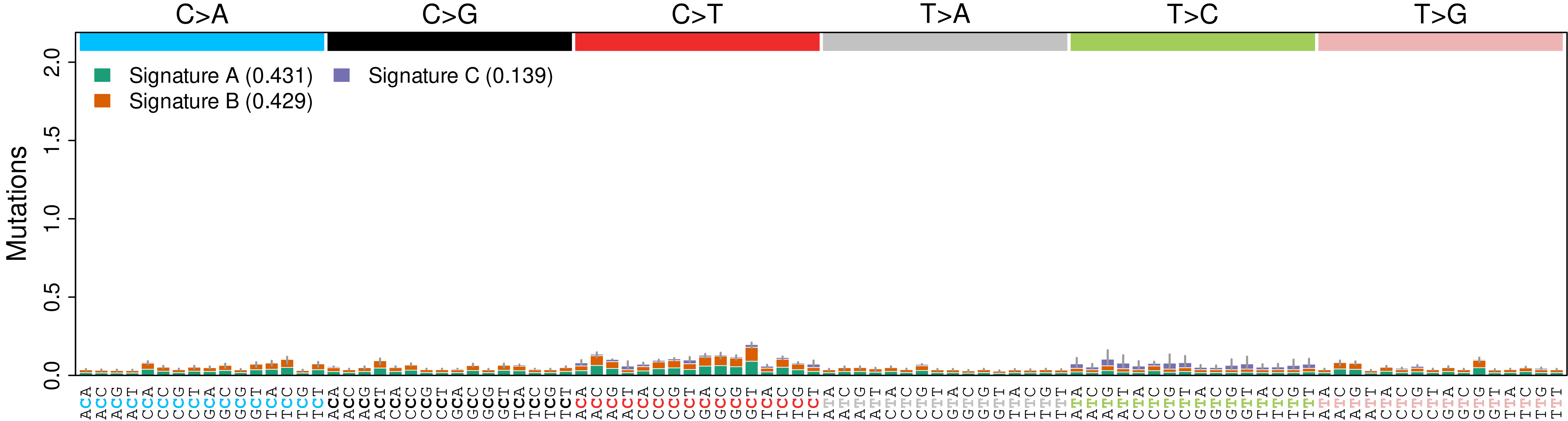**CATD0675a**

Reconstructed spectrum (cosine similarity = 0.157)

- Signature A (0.353)
- Signature B (0.351)
- Signature C (0.296)

CATD0676a

Reconstructed spectrum (cosine similarity = 0.227)
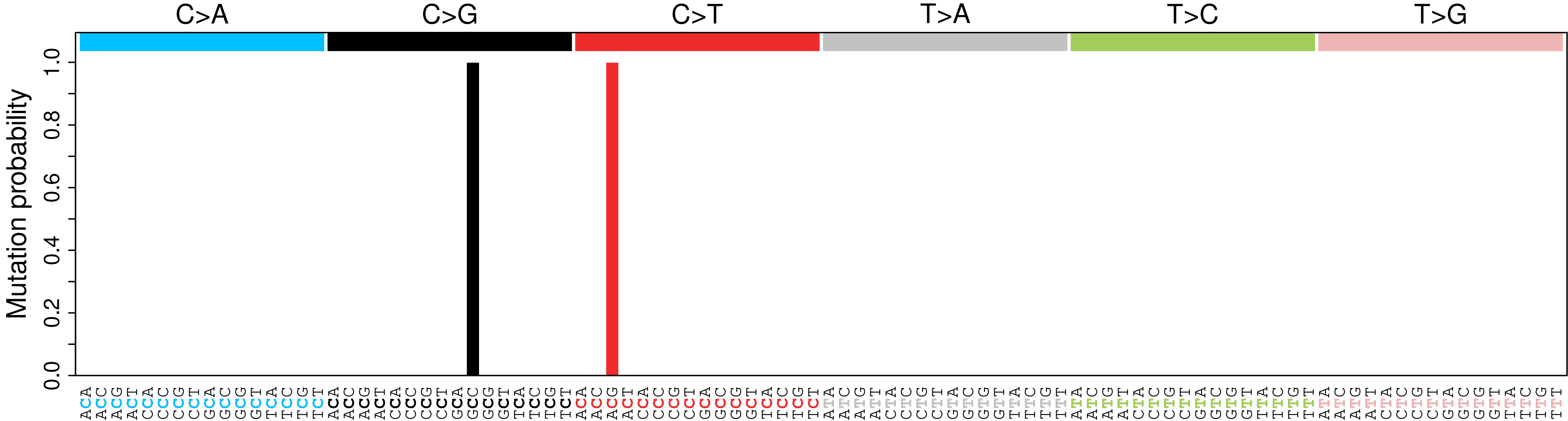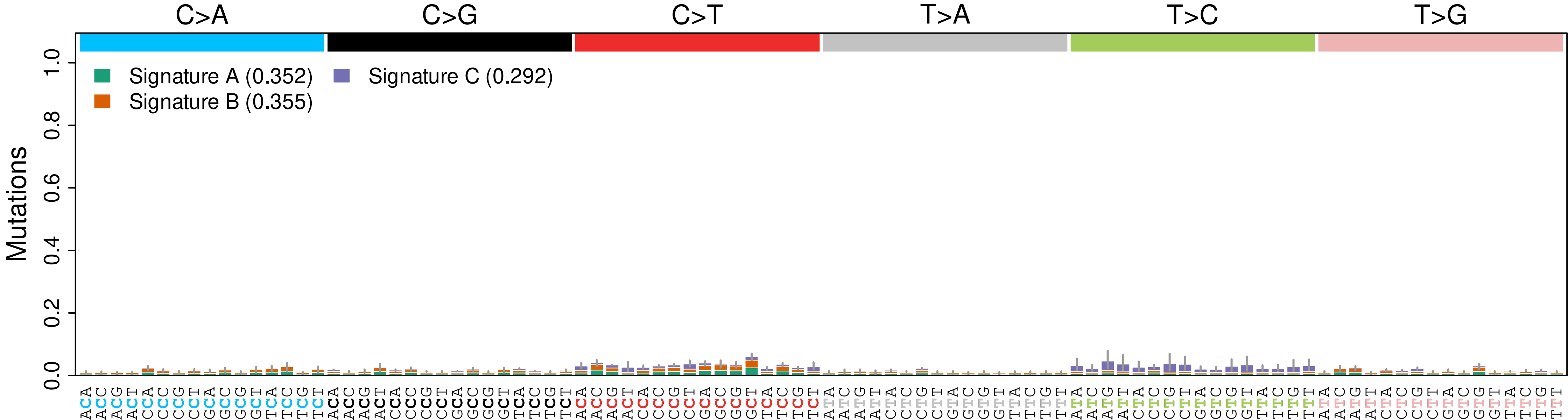
Signature A (0.391)
Signature B (0.389)
Signature C (0.22)

CATD326a (6 mutations)

Reconstructed spectrum (cosine similarity = 0.226)

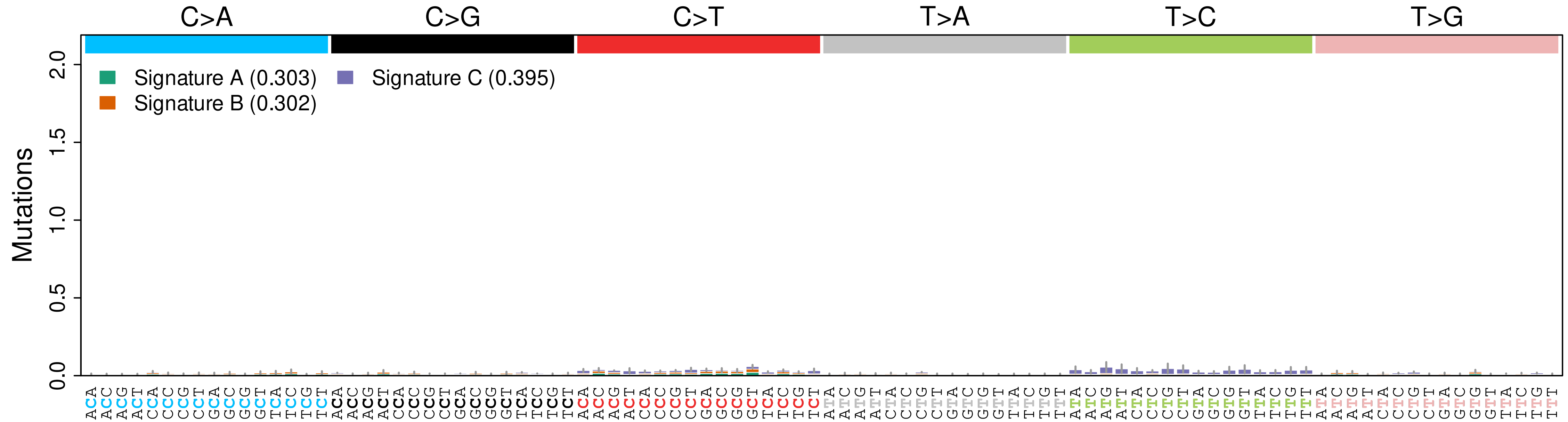Signature A (0.431)   Signature C (0.139)
Signature B (0.429)
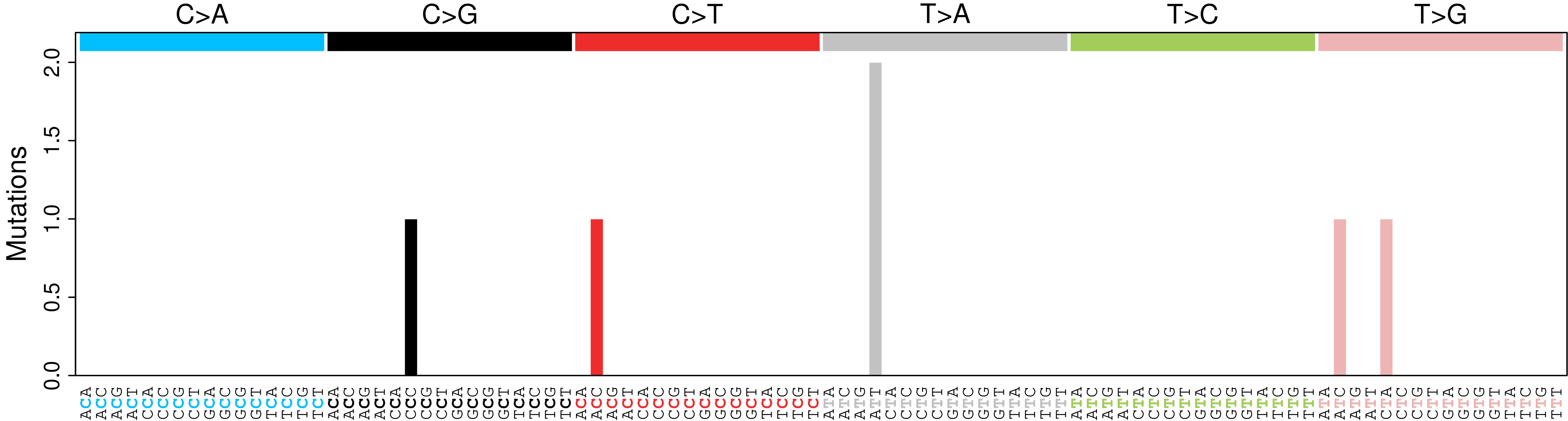
CATD0677a

Reconstructed spectrum (cosine similarity = 0.169)
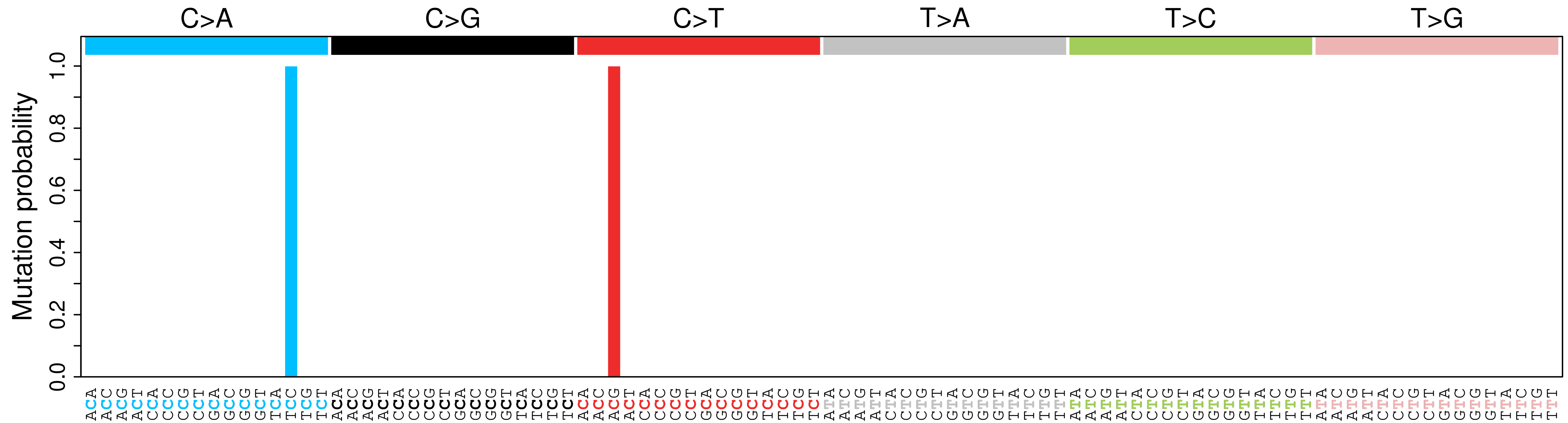
Signature A (0.352)
Signature B (0.355)
Signature C (0.292)

CATD304a (2 mutations)

Reconstructed spectrum (cosine similarity = 0.127)

Signature A (0.303)
Signature B (0.302)
Signature C (0.395)
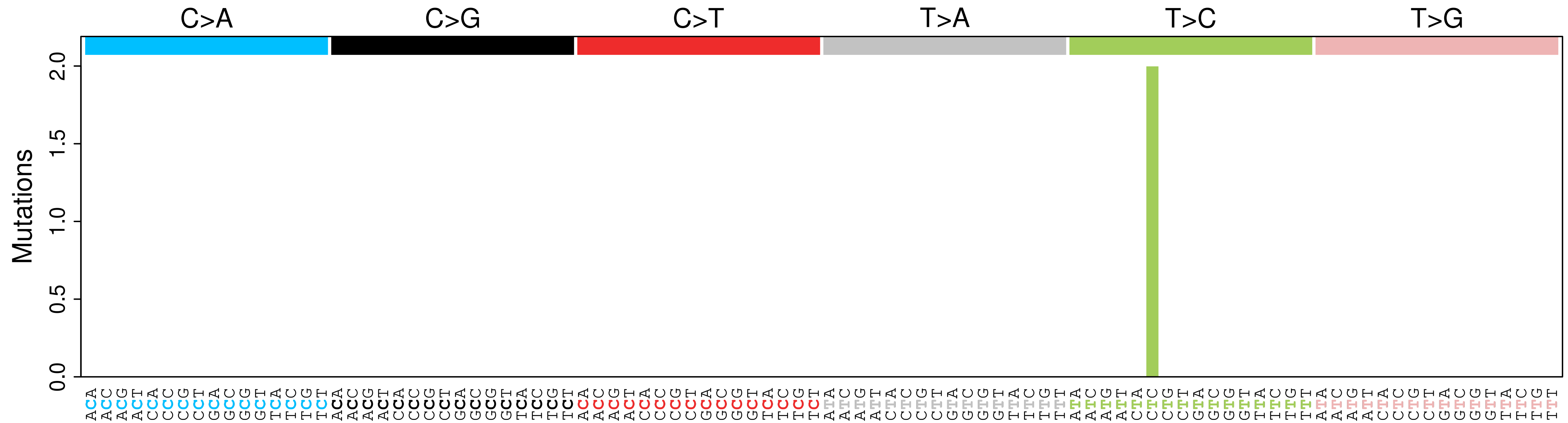
CATD299a

Reconstructed spectrum (cosine similarity = 0.2)

Signature A (0.373)   Signature C (0.255)
Signature B (0.373)
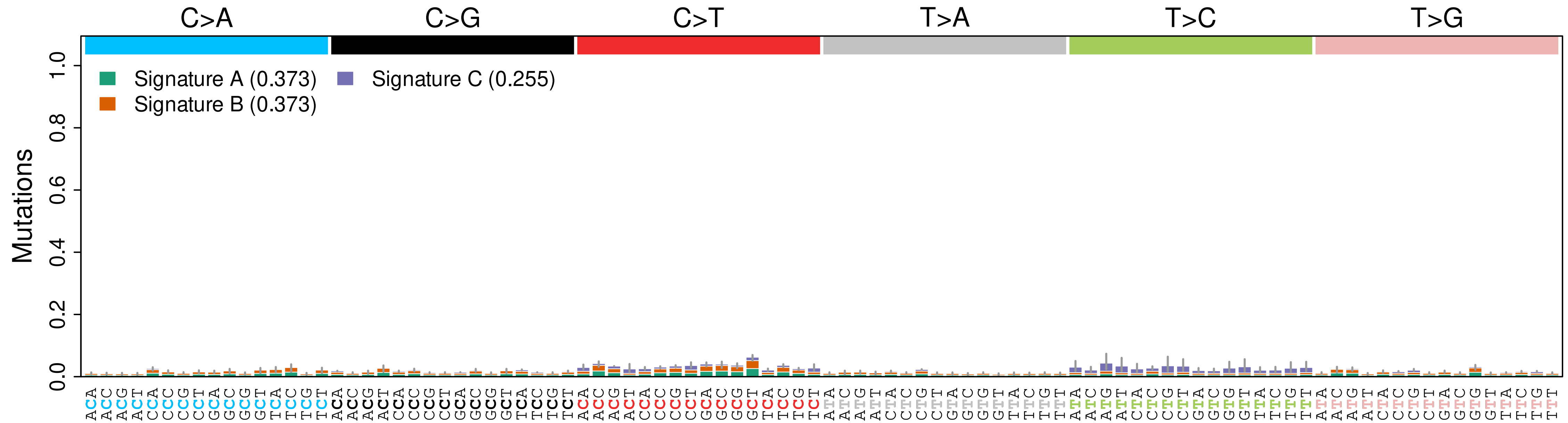
CATD317a

Reconstructed spectrum (cosine similarity = 0.09)

Signature A (0.351) Signature C (0.293)
Signature B (0.356)
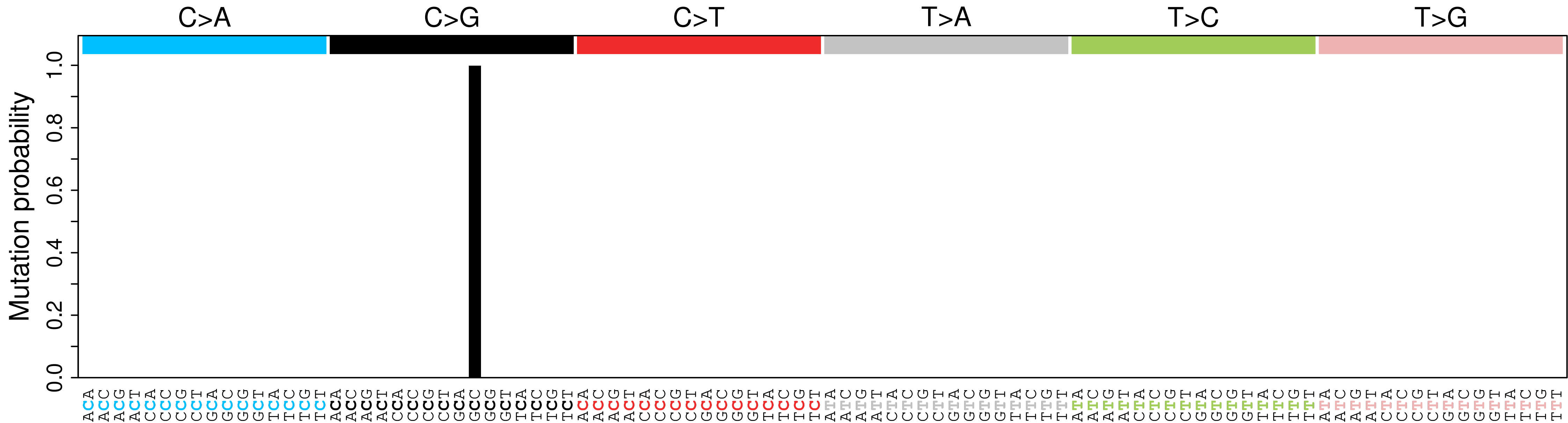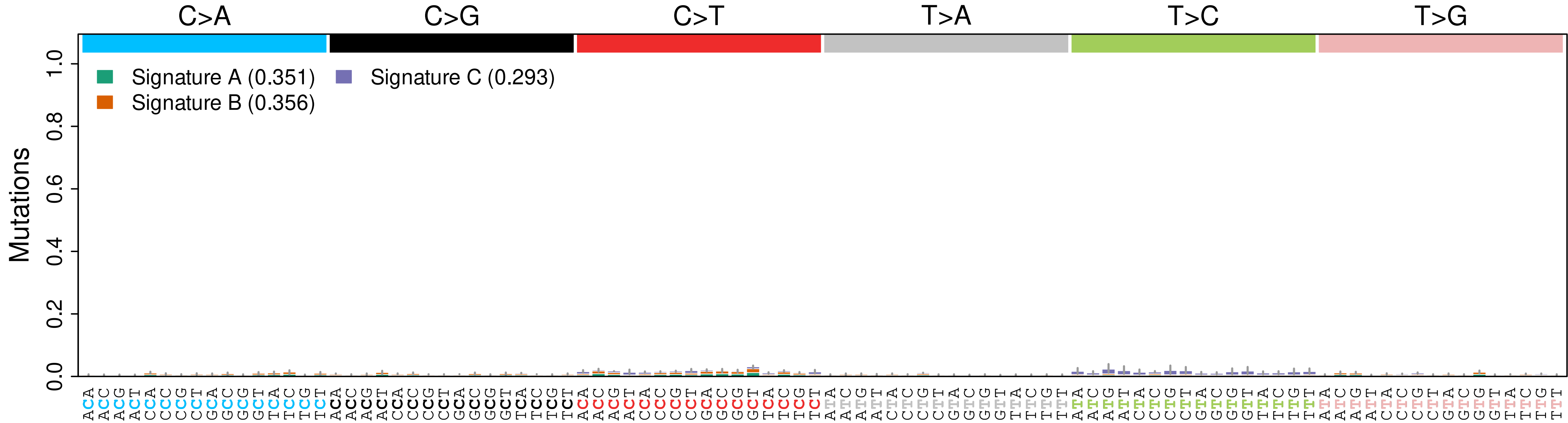
CATD307a

Reconstructed spectrum (cosine similarity = 0.198)

- Signature A (0.354)
- Signature B (0.354)
- Signature C (0.292)
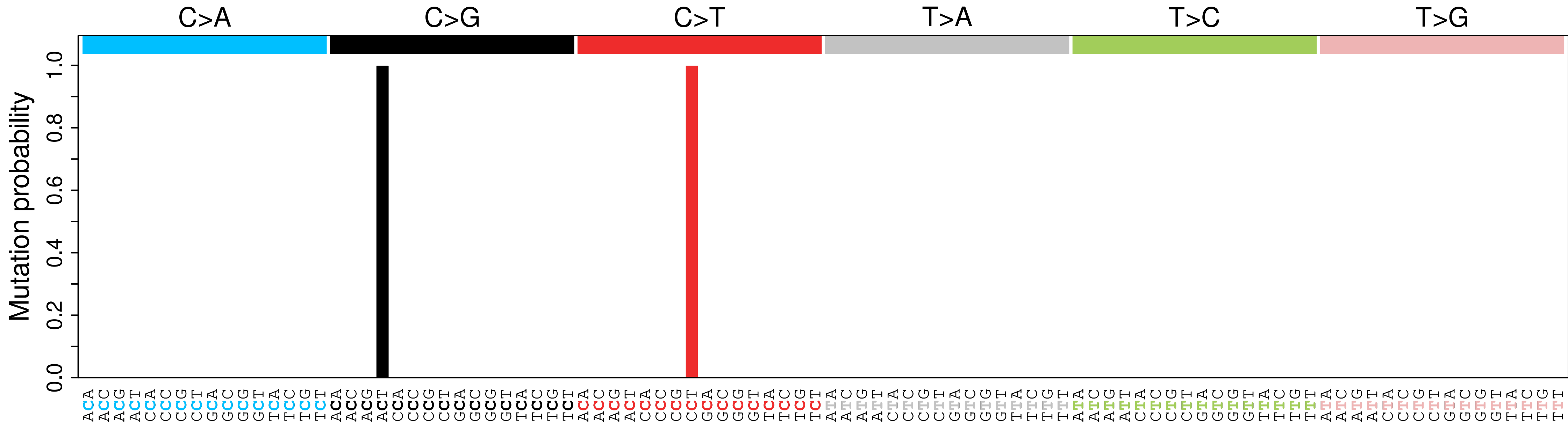
CATD303a (2 mutations)

Reconstructed spectrum (cosine similarity = 0.26)

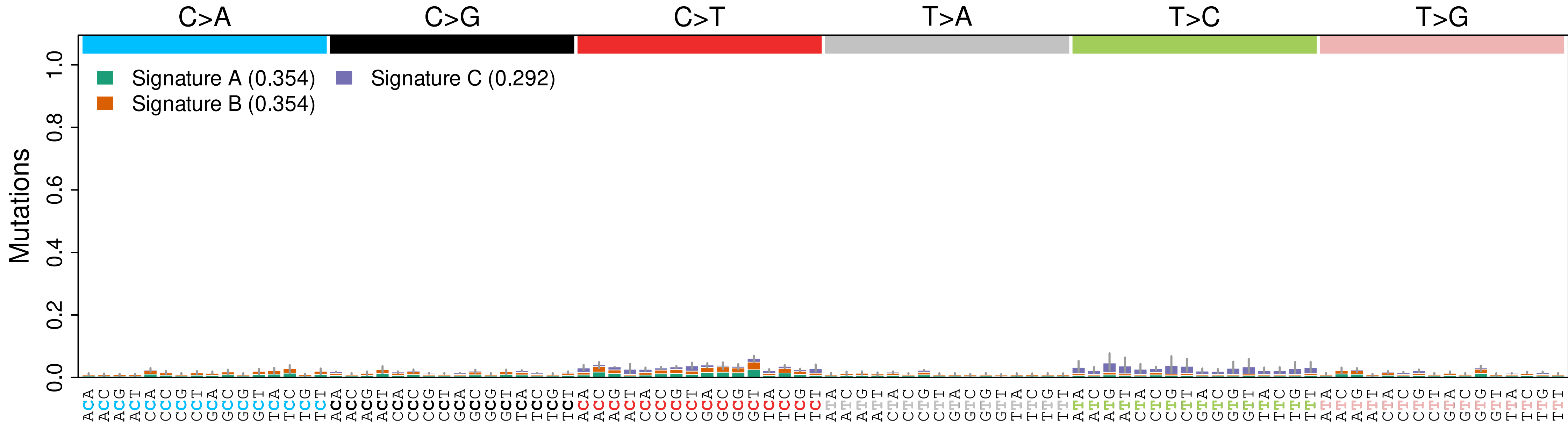Signature A (0.25) Signature C (0.501)
Signature B (0.249)