CATD0393a (32 mutations)

Reconstructed spectrum (cosine similarity = 0.51)

Signature A (0.204) Signature C (0.307)
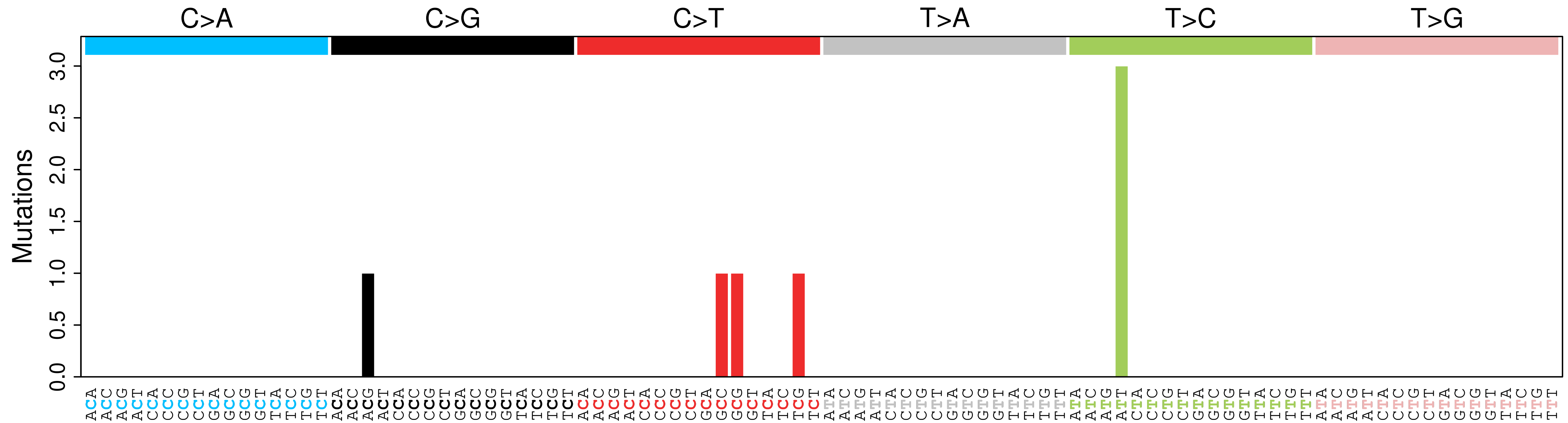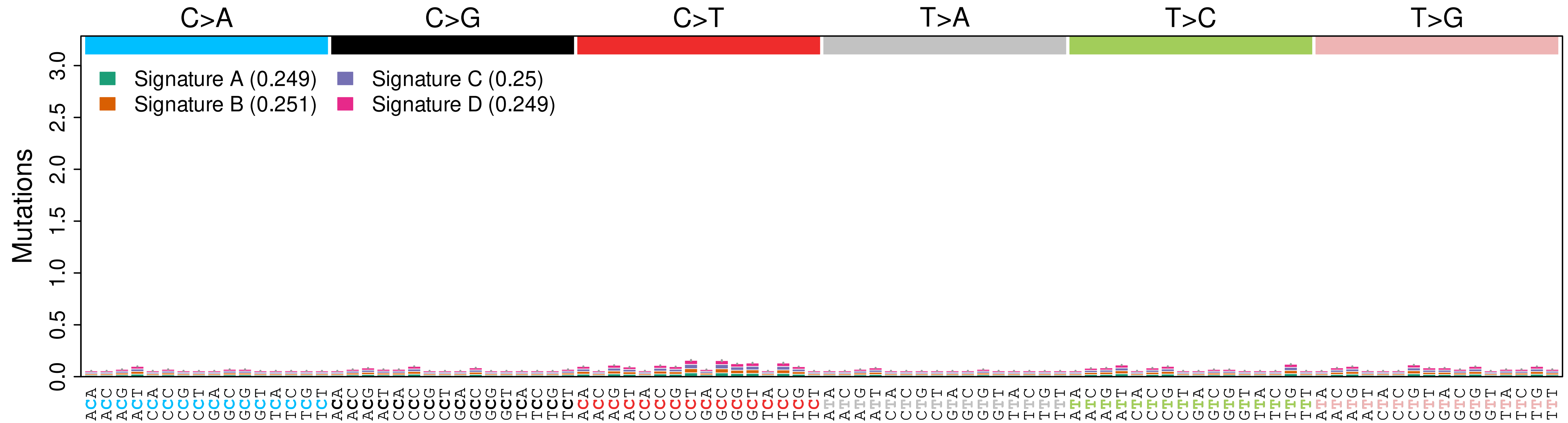Signature B (0.265) Signature D (0.223)

CATD0657a (7 mutations)

Reconstructed spectrum (cosine similarity = 0.294)

Signature A (0.249)
Signature B (0.251)
Signature C (0.25)
Signature D (0.249)

CATD0388a (4 mutations)

Reconstructed spectrum (cosine similarity = 0.191)

Signature A (0.25)   Signature C (0.248)
Signature B (0.25)   Signature D (0.252)
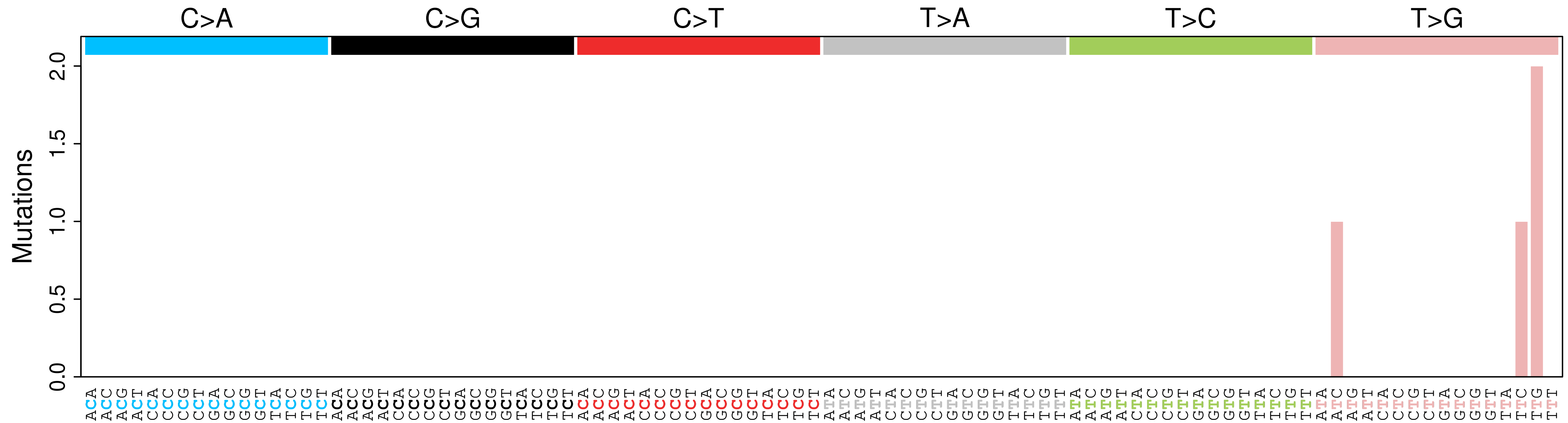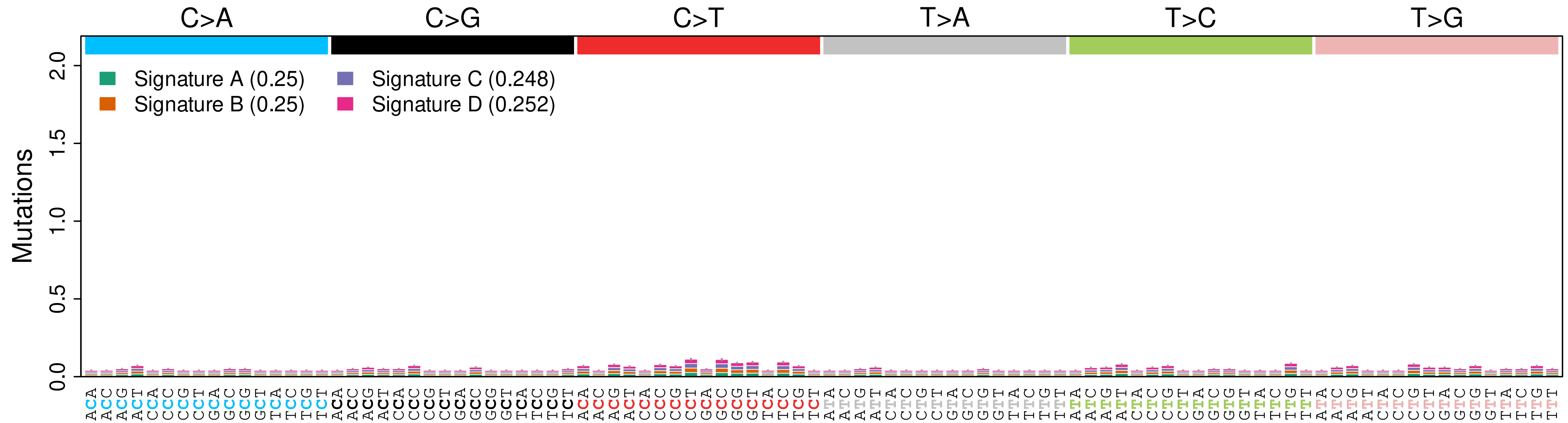
CATD0395a (7 mutations)
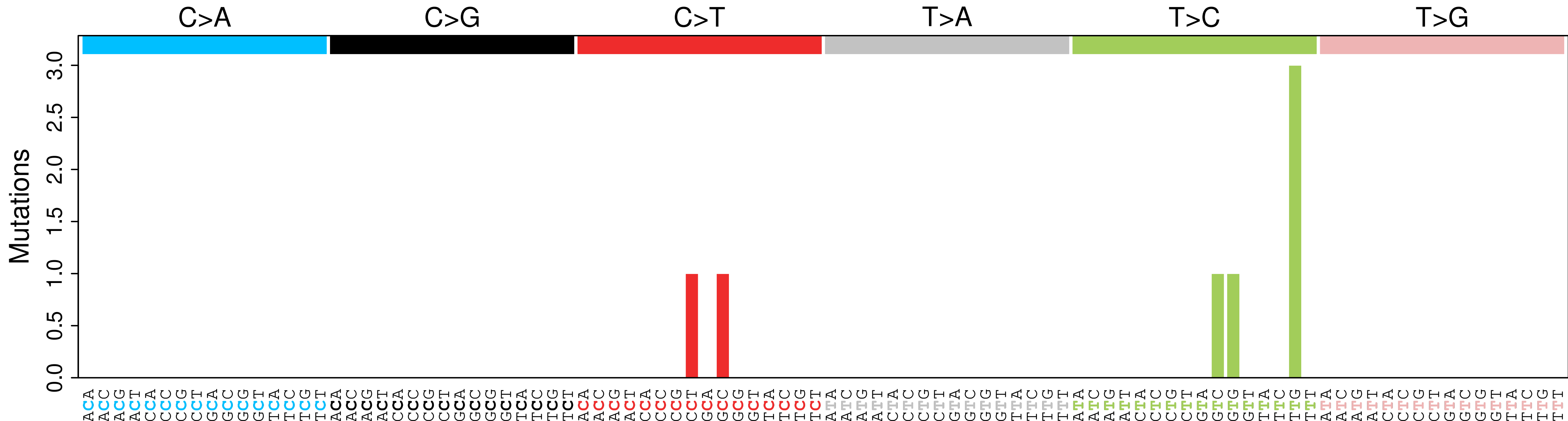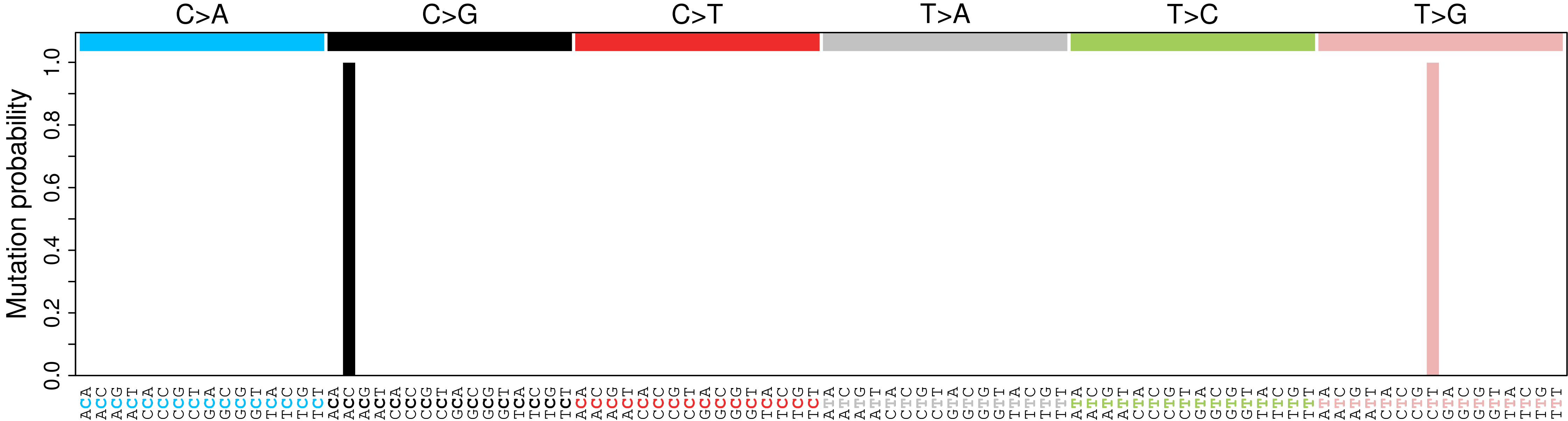
Reconstructed spectrum (cosine similarity = 0.299)

Signature A (0.241)   Signature C (0.258)
Signature B (0.254)   Signature D (0.246)
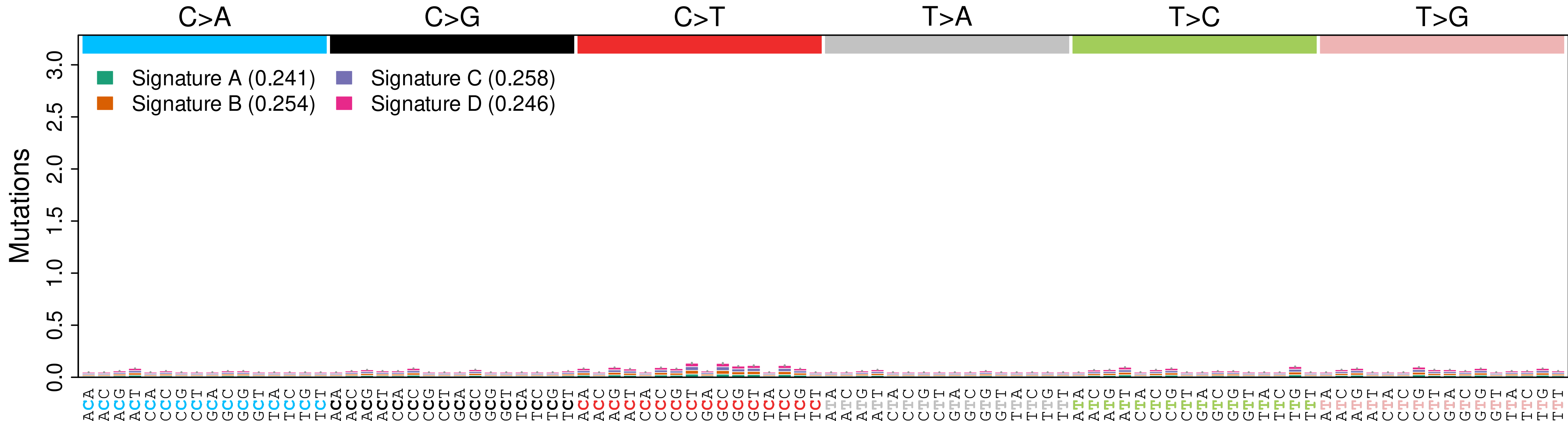
CATD0434a

Reconstructed spectrum (cosine similarity = 0.146)

Signature A (0.251)   Signature C (0.249)
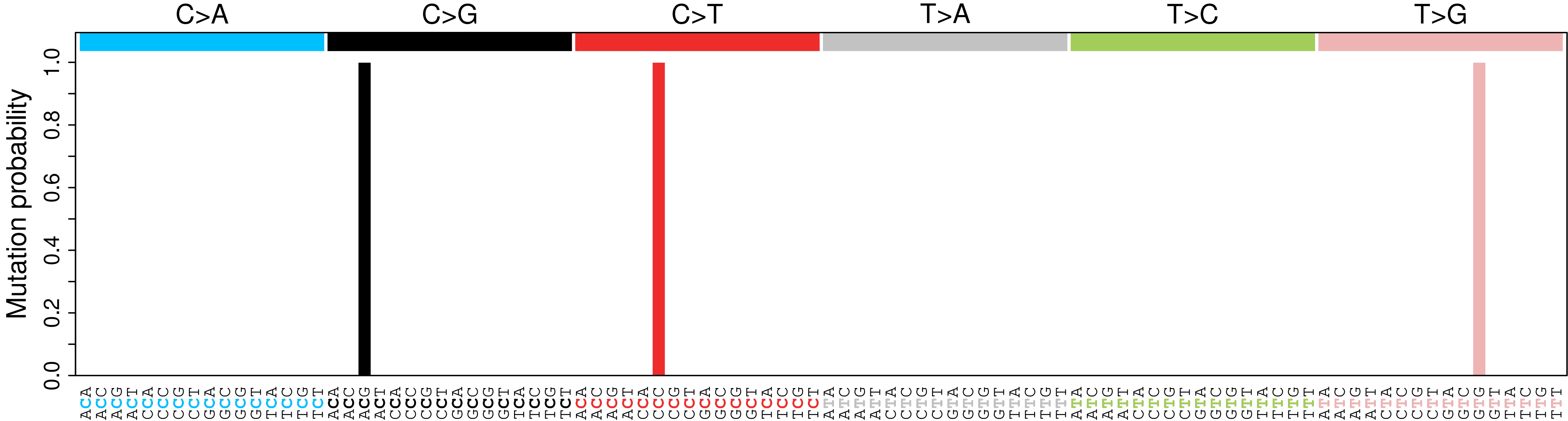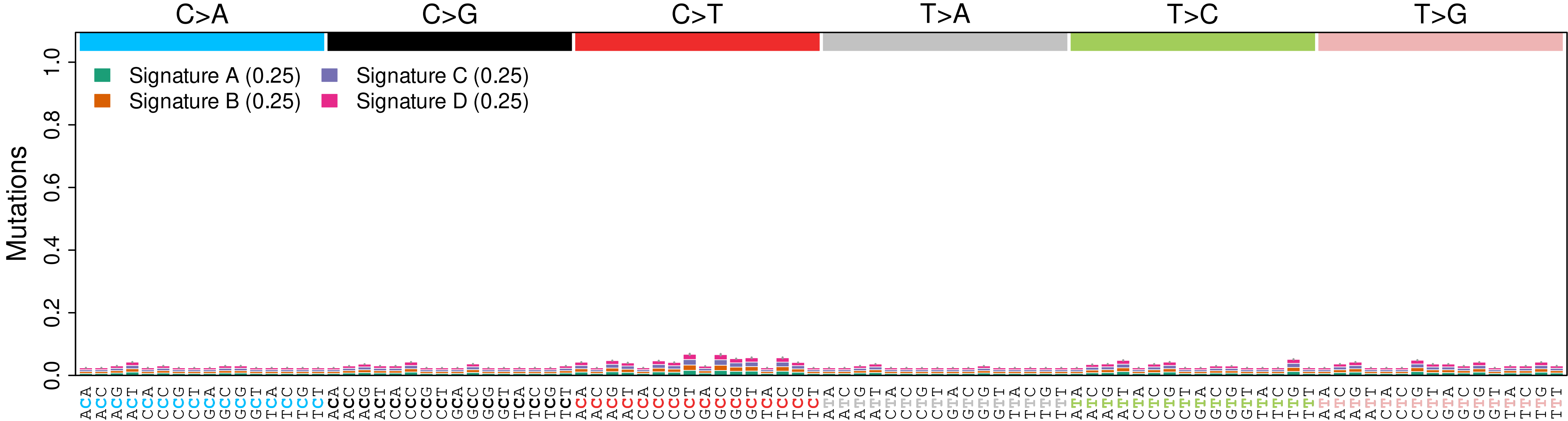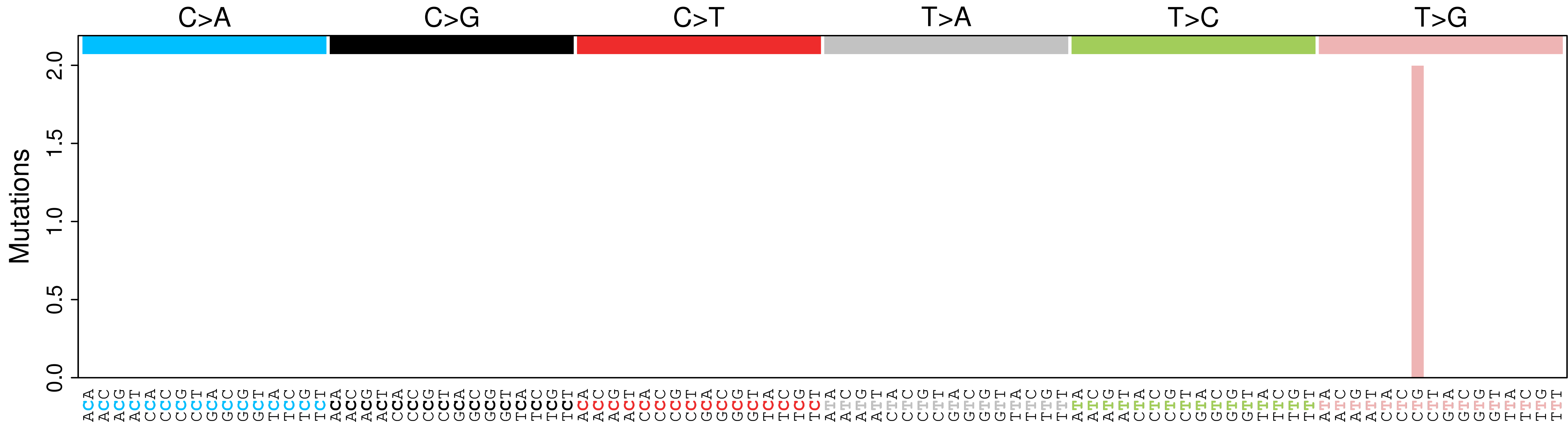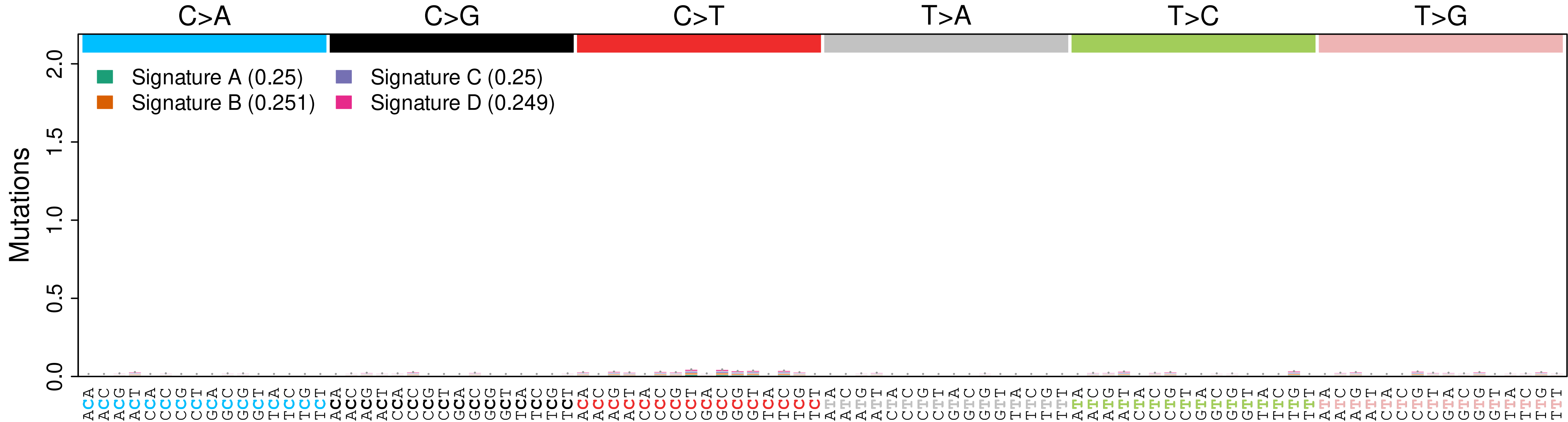Signature B (0.25)   Signature D (0.25)
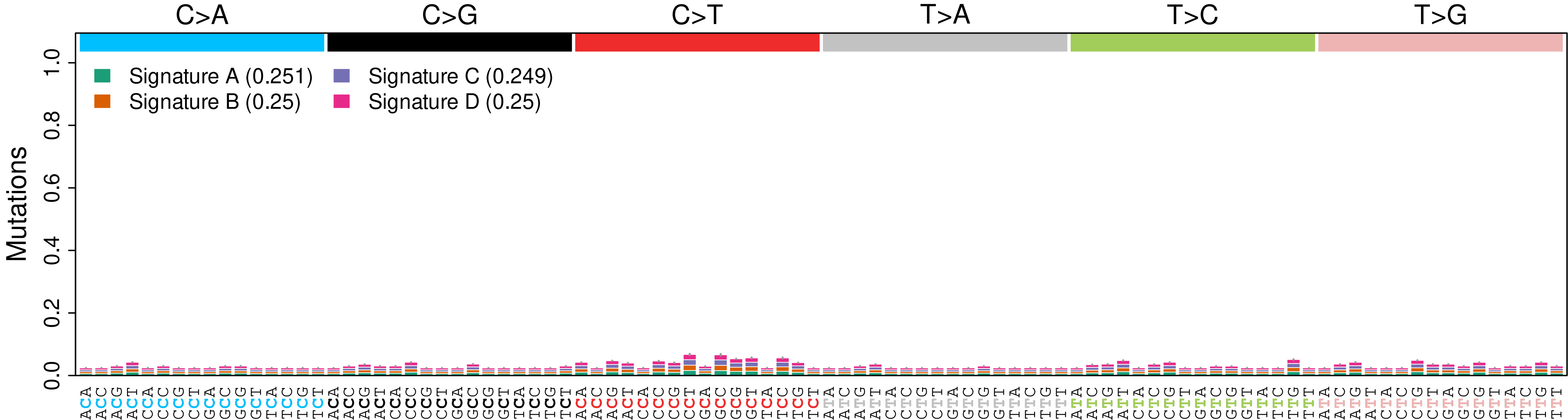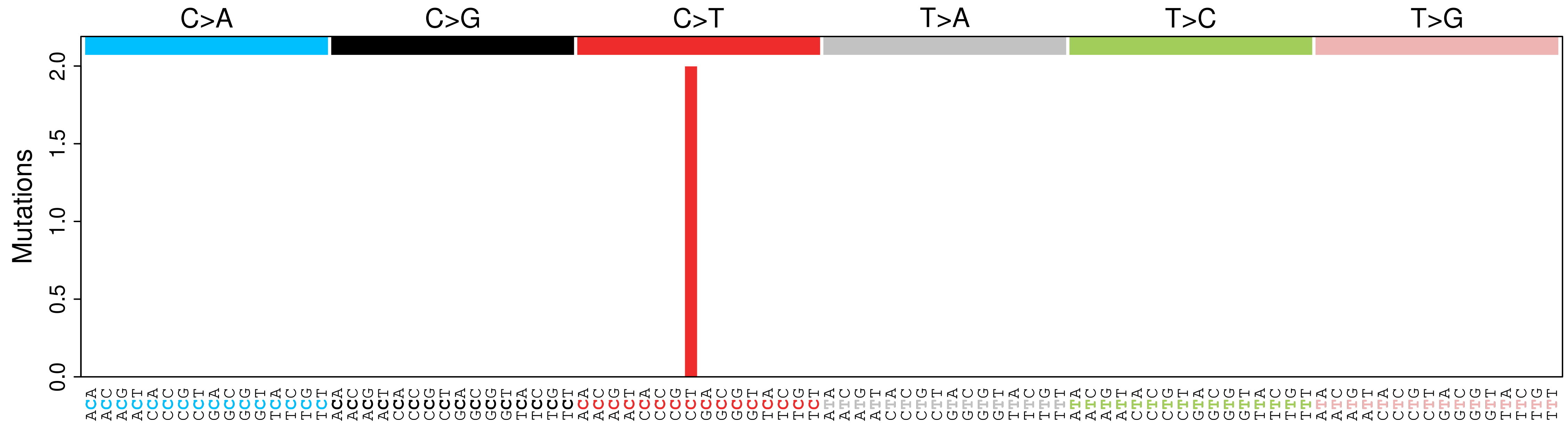
CATD0666a

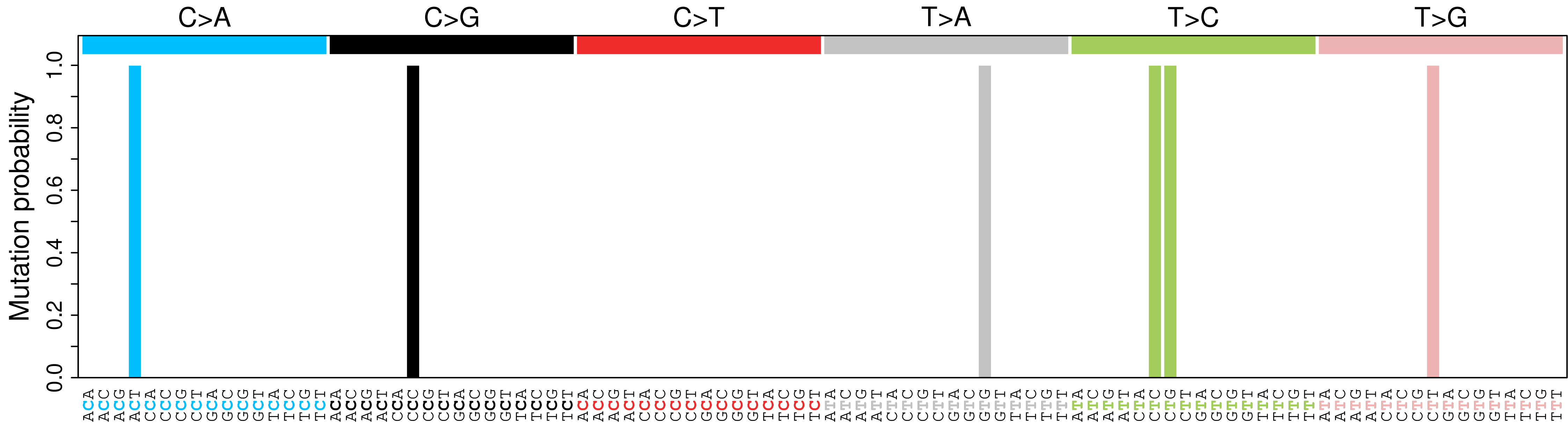Reconstructed spectrum (cosine similarity = 0.223)

CATD0391a (2 mutations)

Reconstructed spectrum (cosine similarity = 0.15)

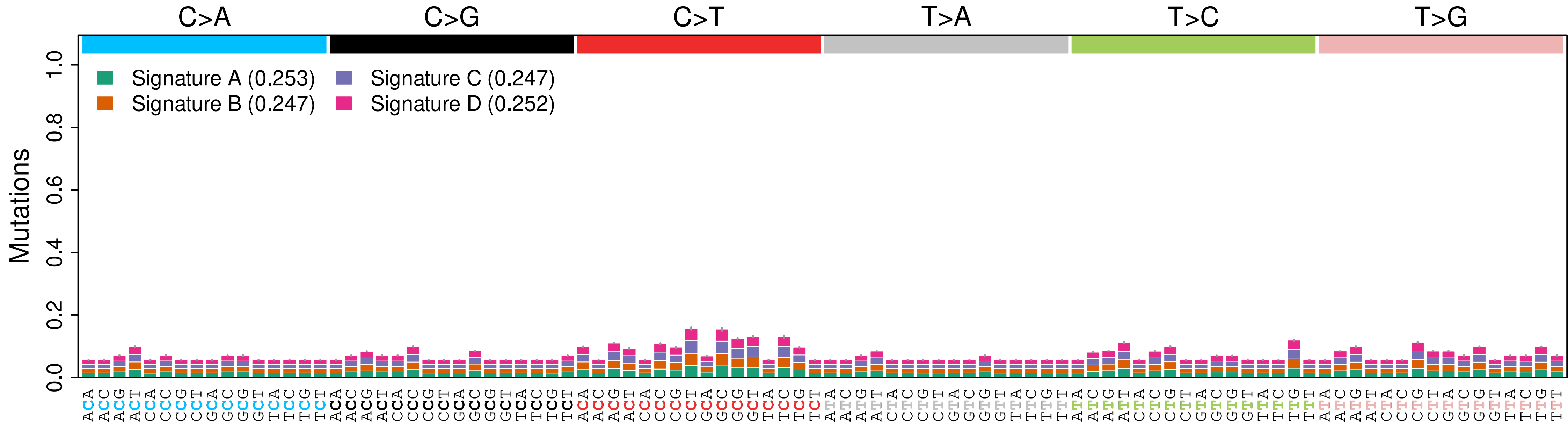Signature A (0.25) Signature C (0.25)
Signature B (0.251) Signature D (0.249)

CATD0387a (2 mutations)

Reconstructed spectrum (cosine similarity = 0.209)

Signature A (0.246)   Signature C (0.255)
Signature B (0.251)   Signature D (0.248)
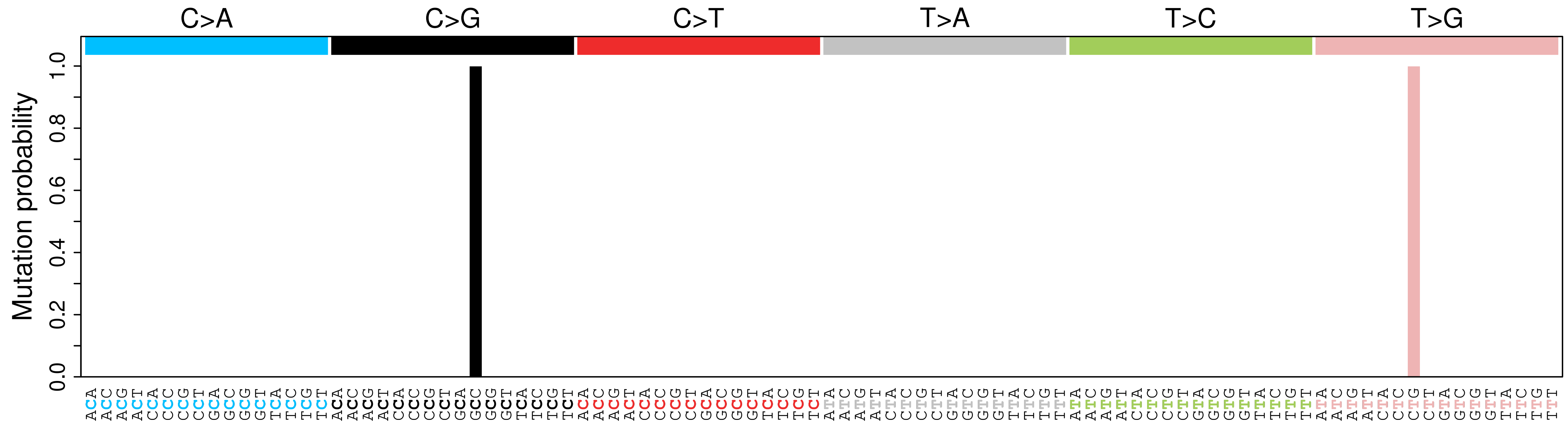
CATD0381a

Reconstructed spectrum (cosine similarity = 0.291)

Signature A (0.253) Signature C (0.247)
Signature B (0.247) Signature D (0.252)

CATD0390a
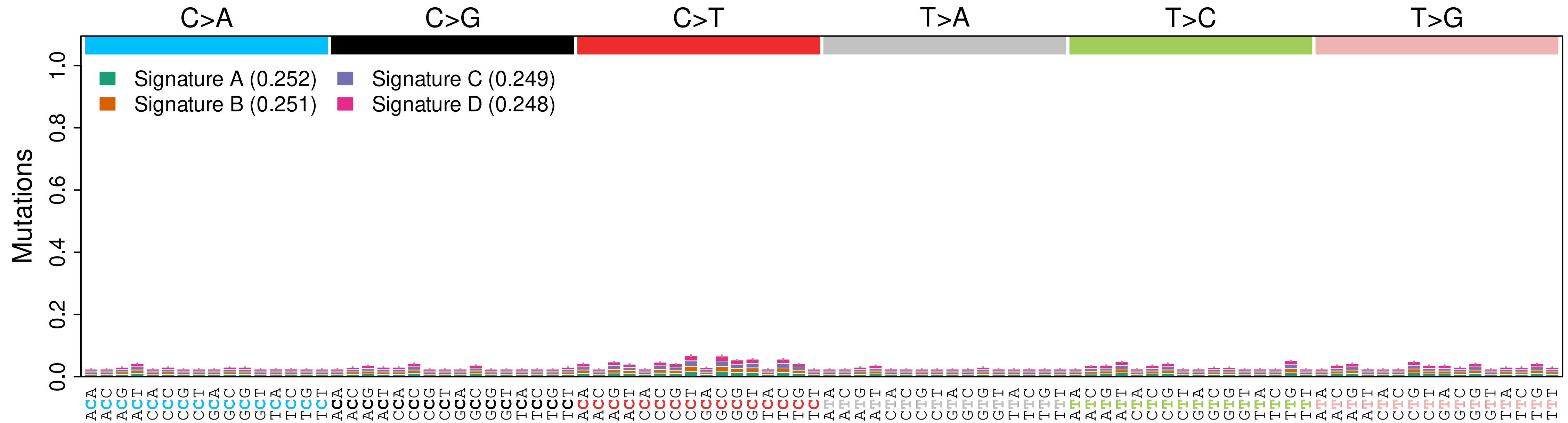
CATD0423a

Reconstructed spectrum (cosine similarity = 0.16)

Signature A (0.252) Signature C (0.249)
Signature B (0.25) Signature D (0.25)
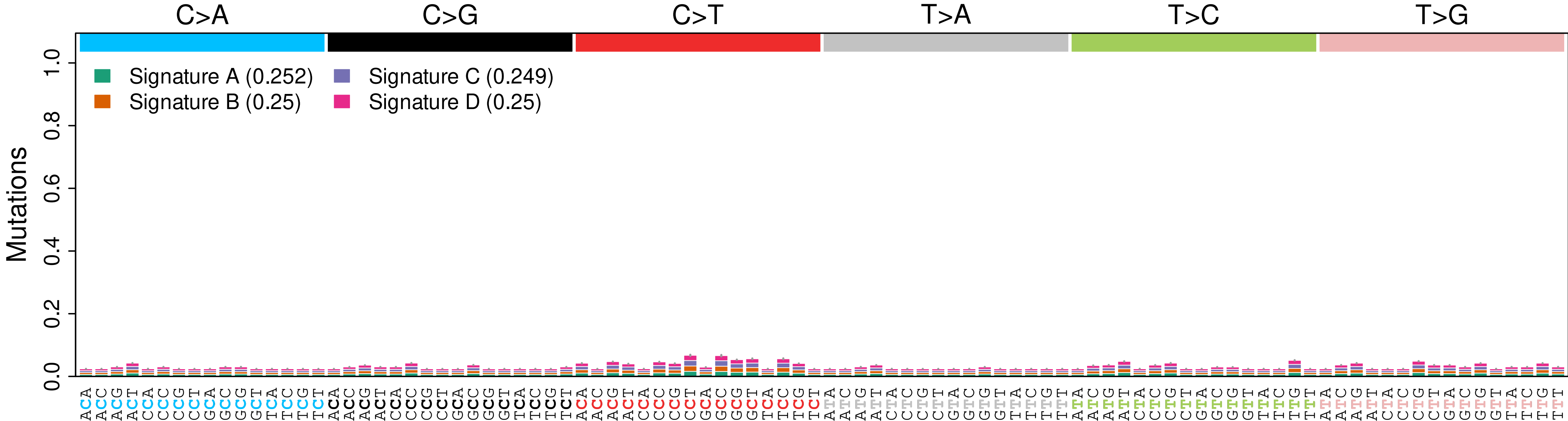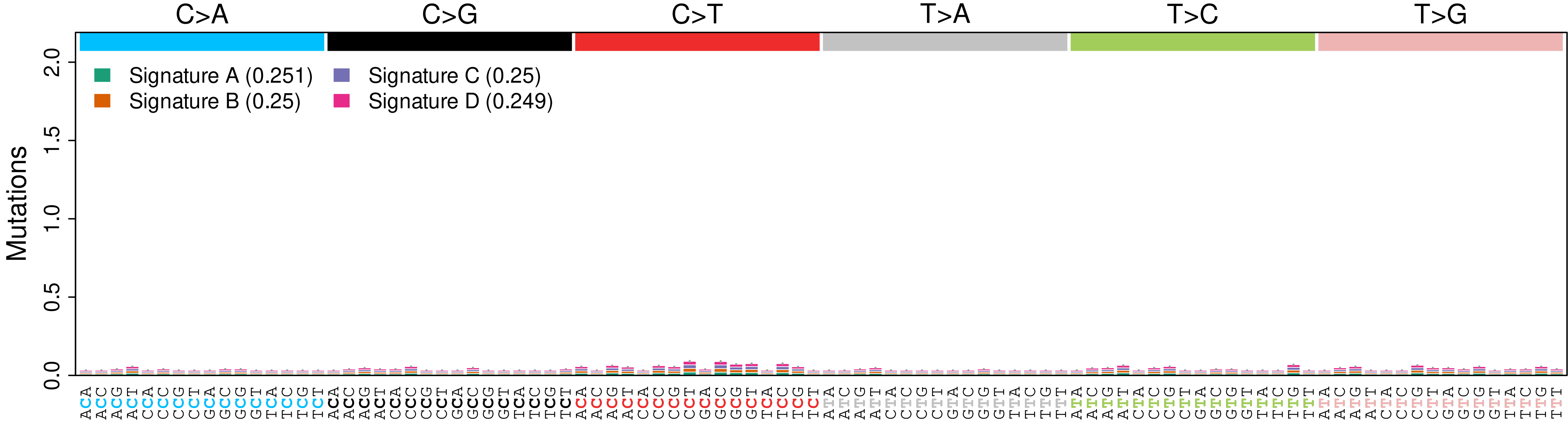
CATD0398a

Reconstructed spectrum (cosine similarity = 0.26)

Signature A (0.248)   Signature C (0.253)
Signature B (0.252)   Signature D (0.247)
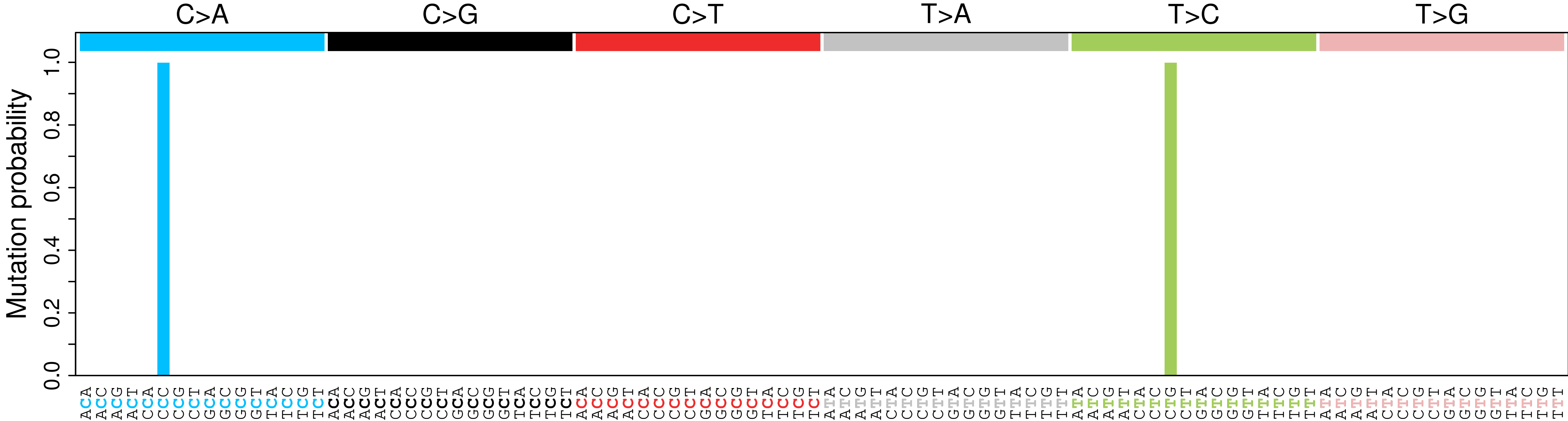
CATD0428a (4 mutations)

Reconstructed spectrum (cosine similarity = 0.217)

Signature A (0.251)   Signature C (0.25)
Signature B (0.25)   Signature D (0.249)
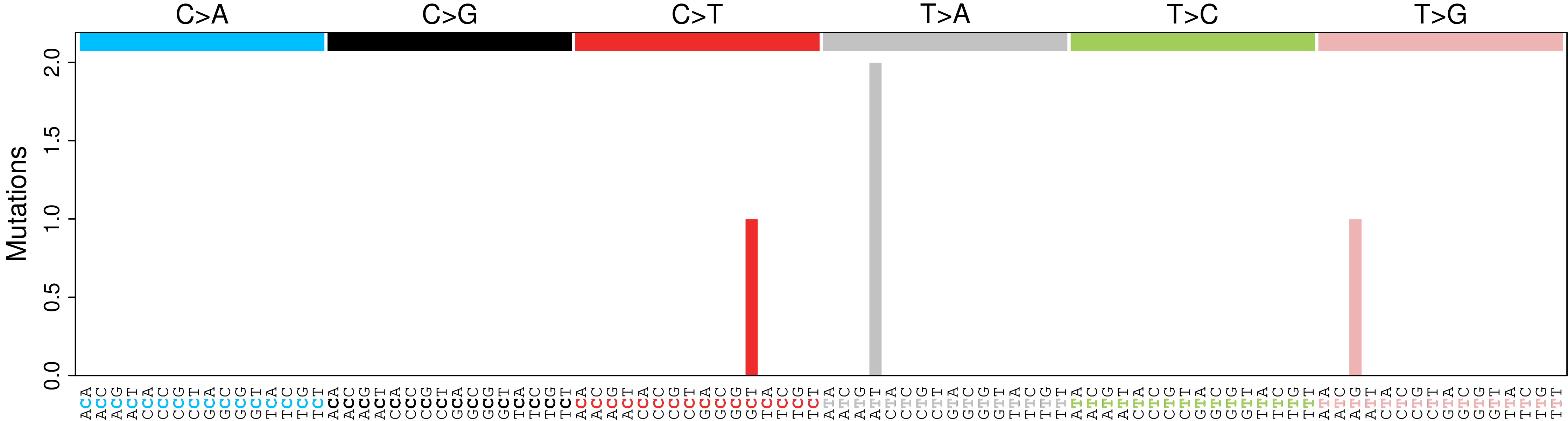
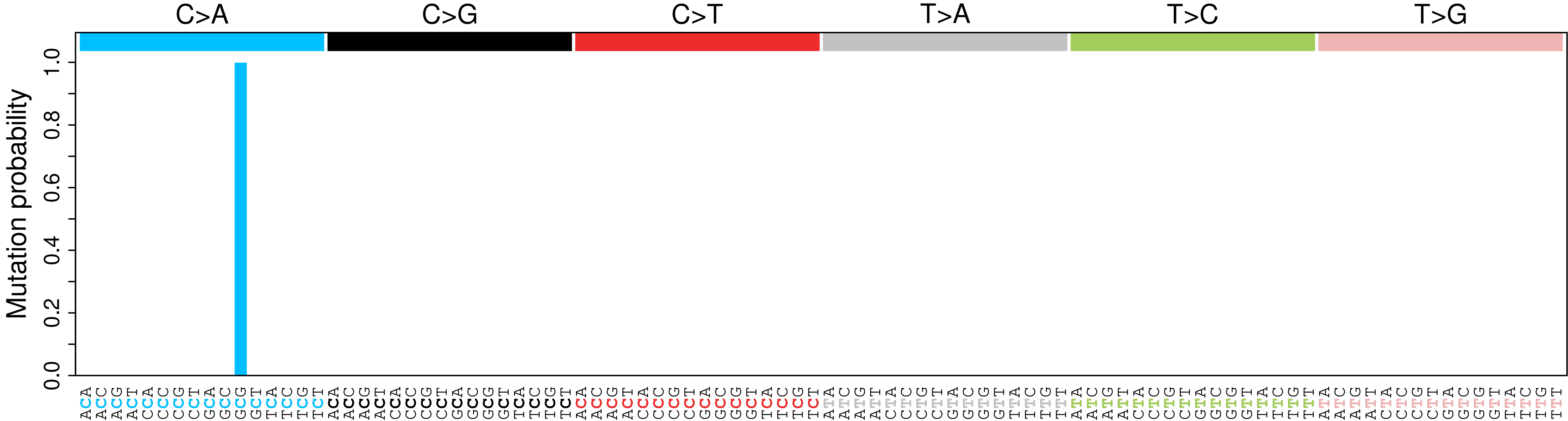**CATD0378a (5 mutations)**

Reconstructed spectrum (cosine similarity = 0.254)

Signature A (0.251)
Signature B (0.251)
Signature C (0.249)
Signature D (0.248)
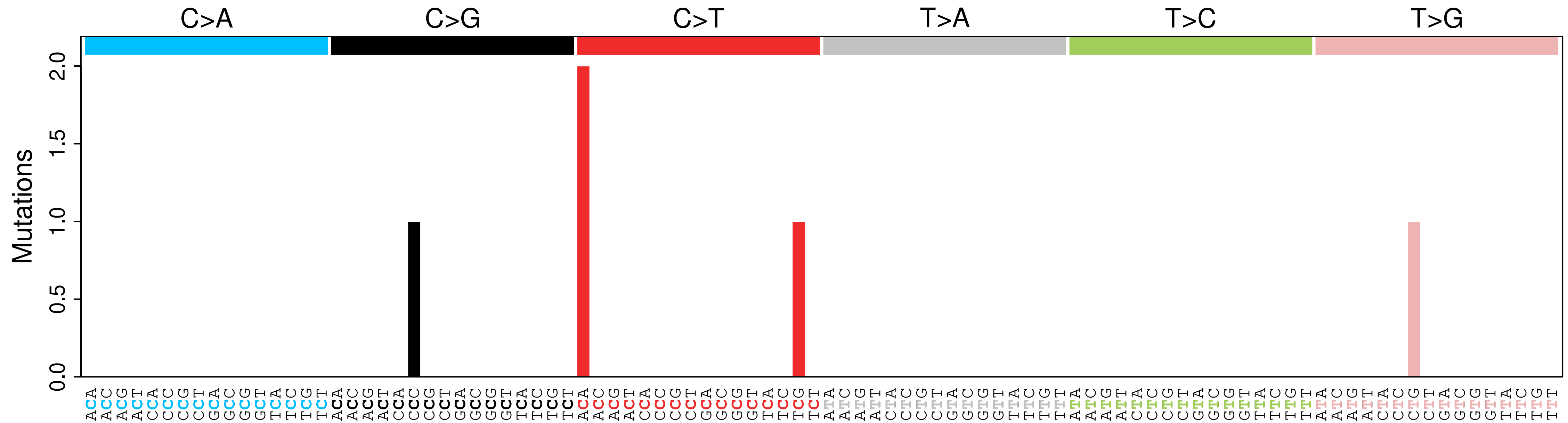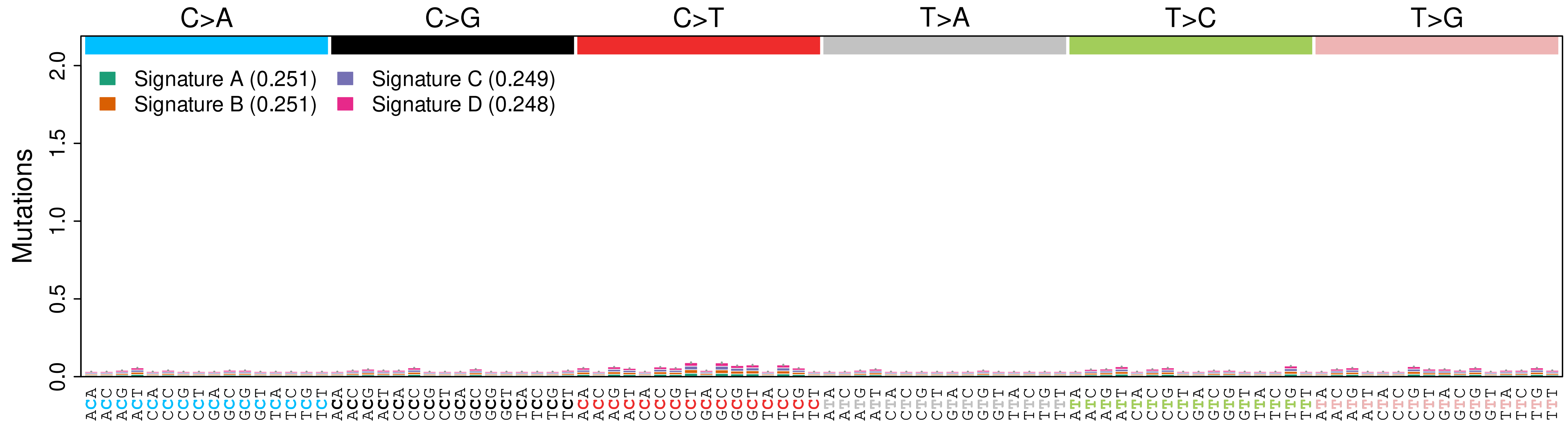
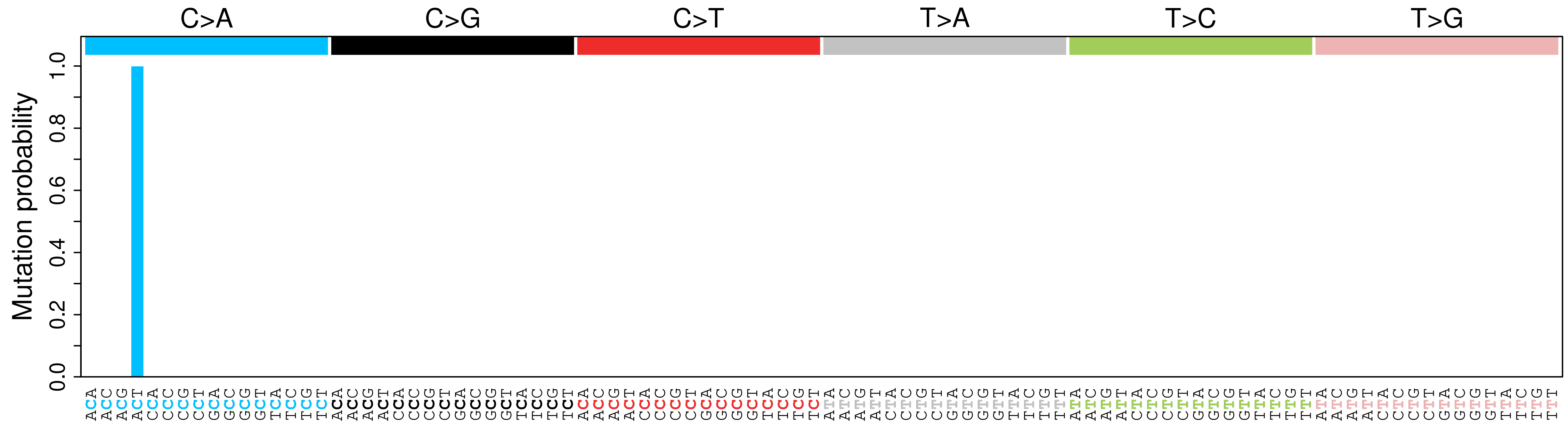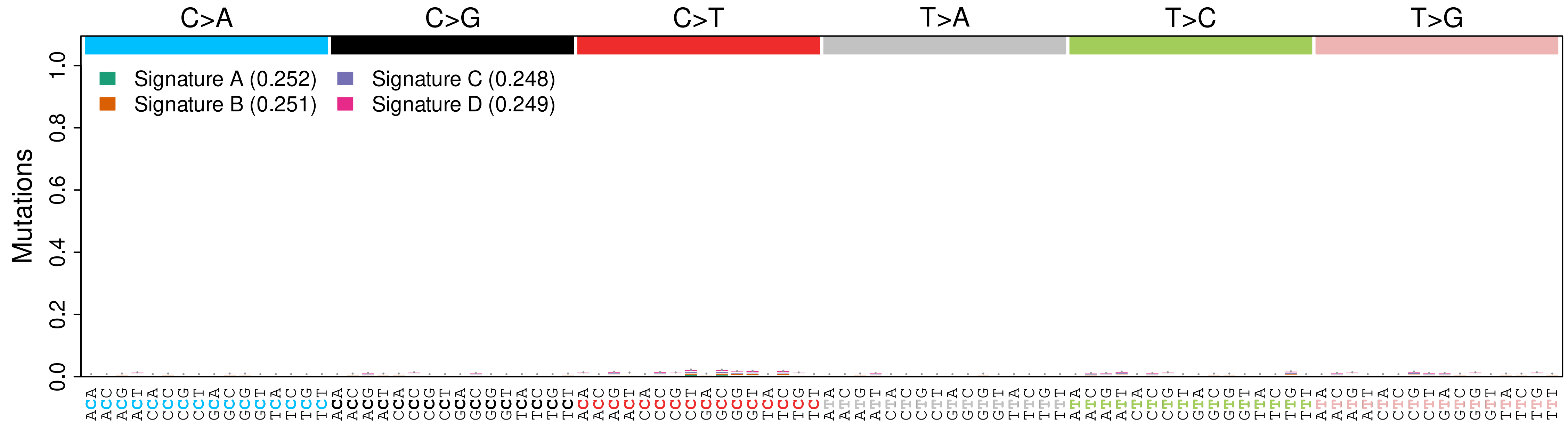**CATD0380a**

Reconstructed spectrum (cosine similarity = 0.094)

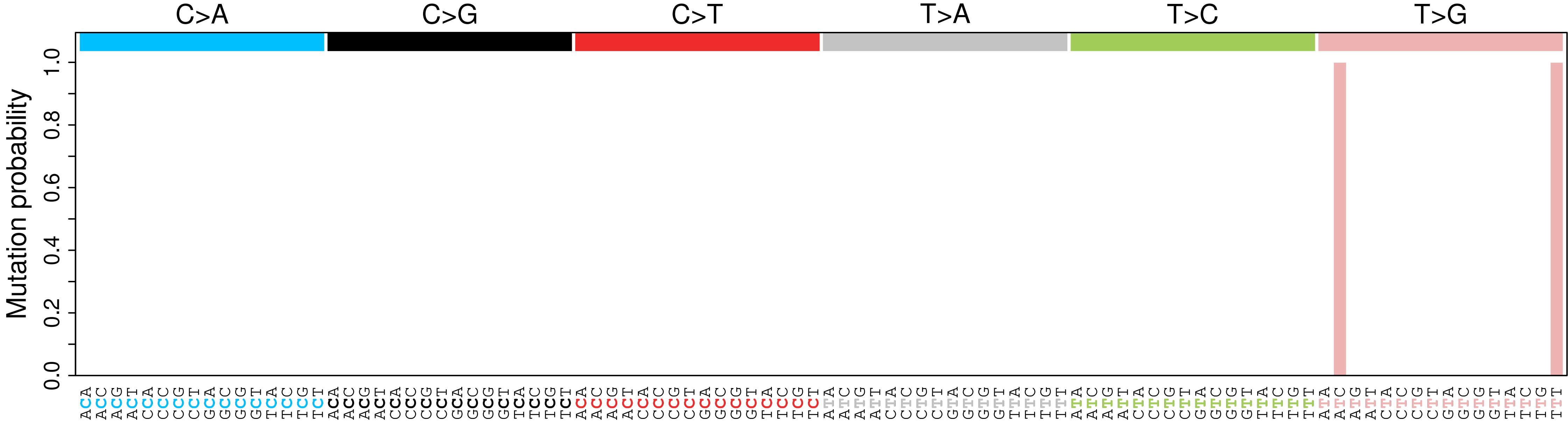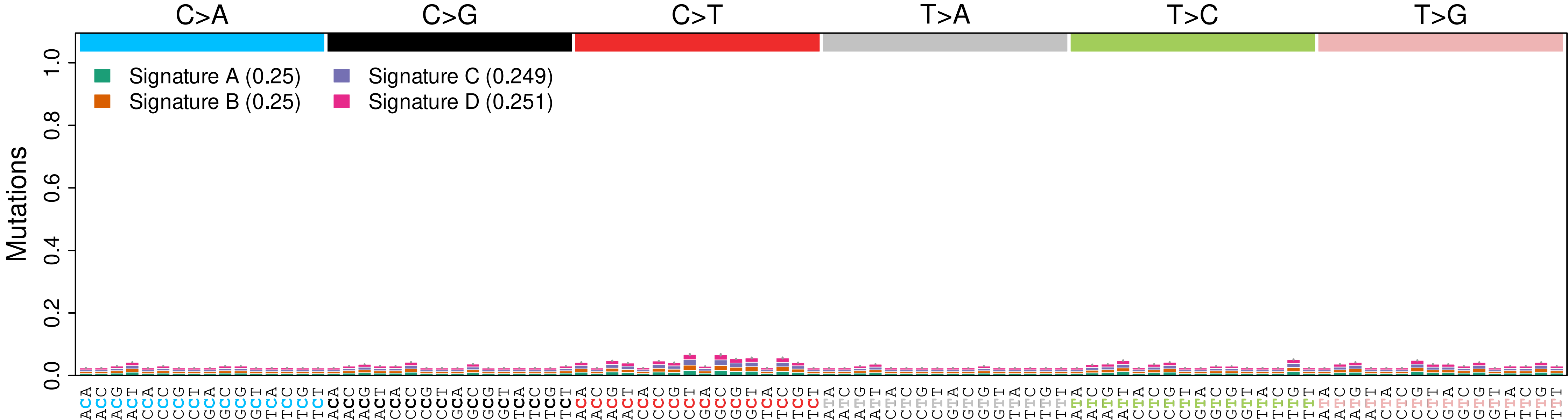Signature A (0.251) Signature C (0.25)
Signature B (0.249) Signature D (0.25)
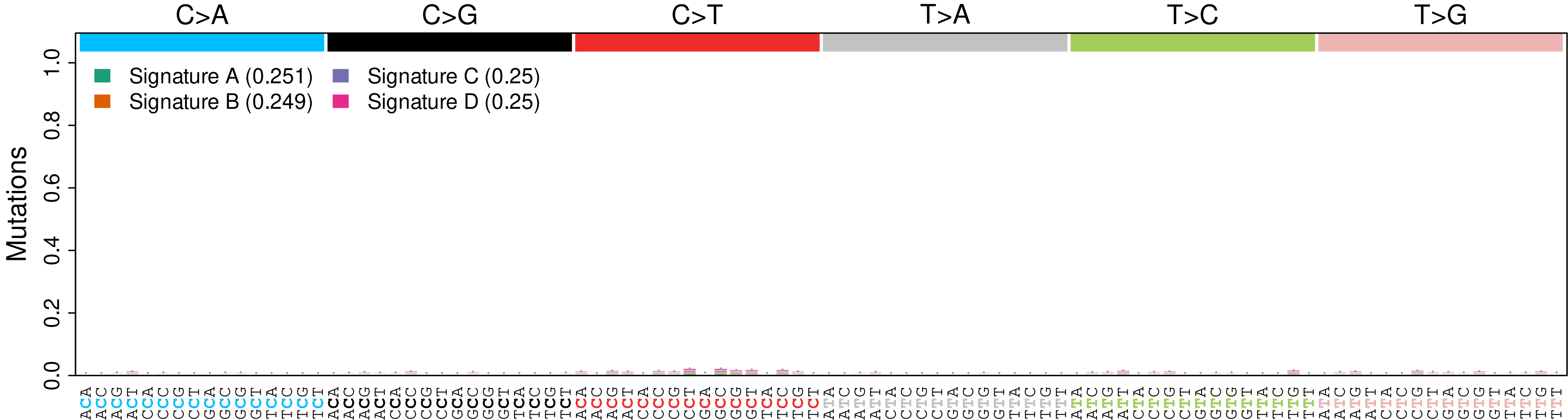
CATD0662a

Reconstructed spectrum (cosine similarity = 0.132)

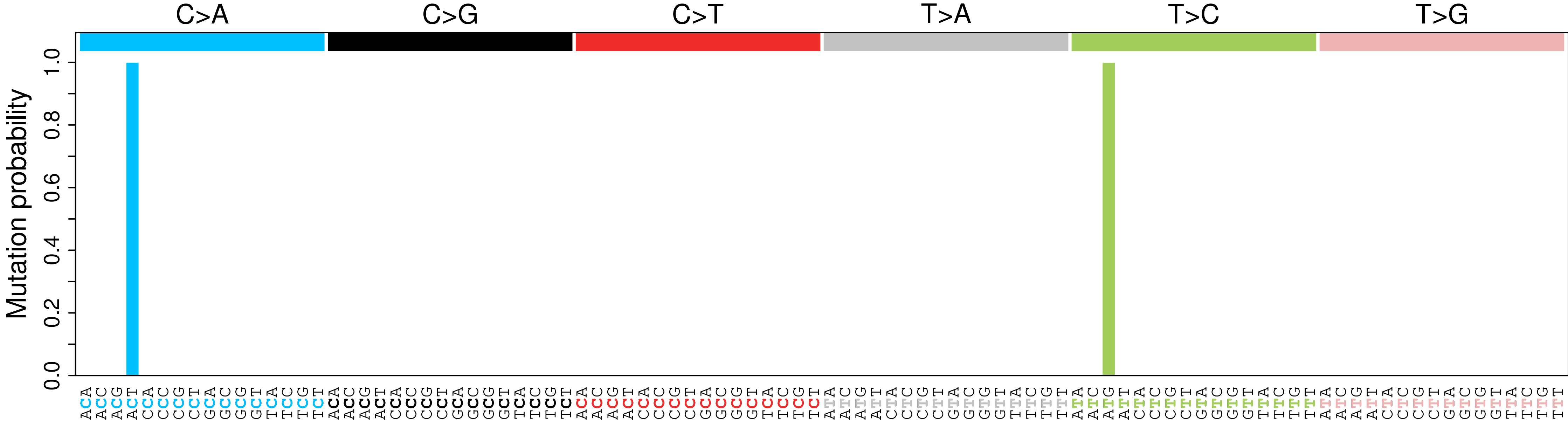Signature A (0.252) Signature C (0.248)
Signature B (0.251) Signature D (0.249)

CATD0399a

Reconstructed spectrum (cosine similarity = 0.146)

Signature A (0.25)   Signature C (0.249)
Signature B (0.25)   Signature D (0.251)

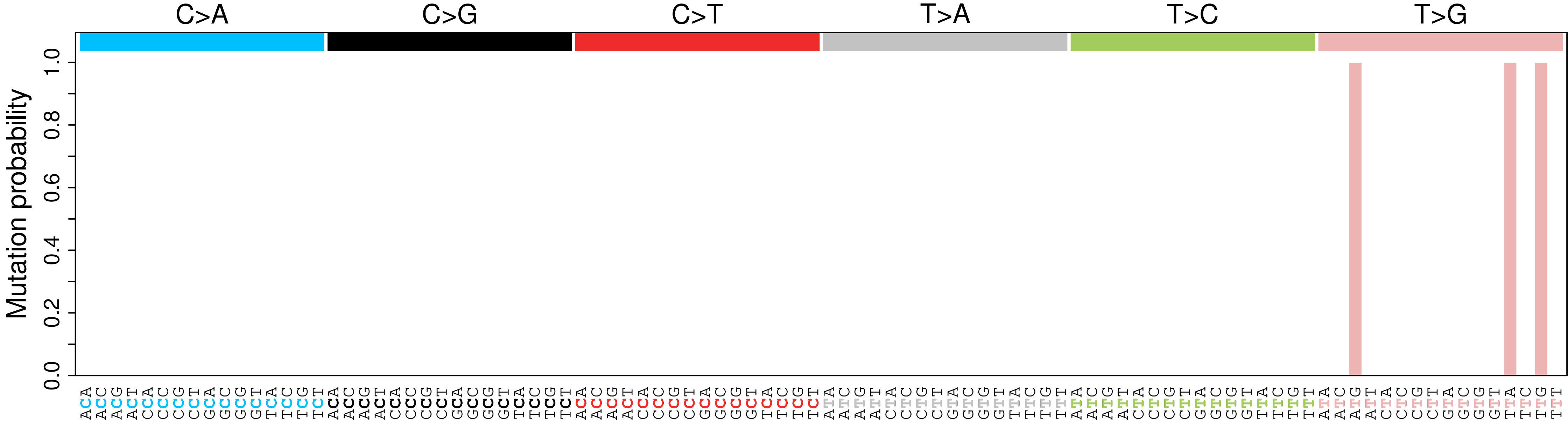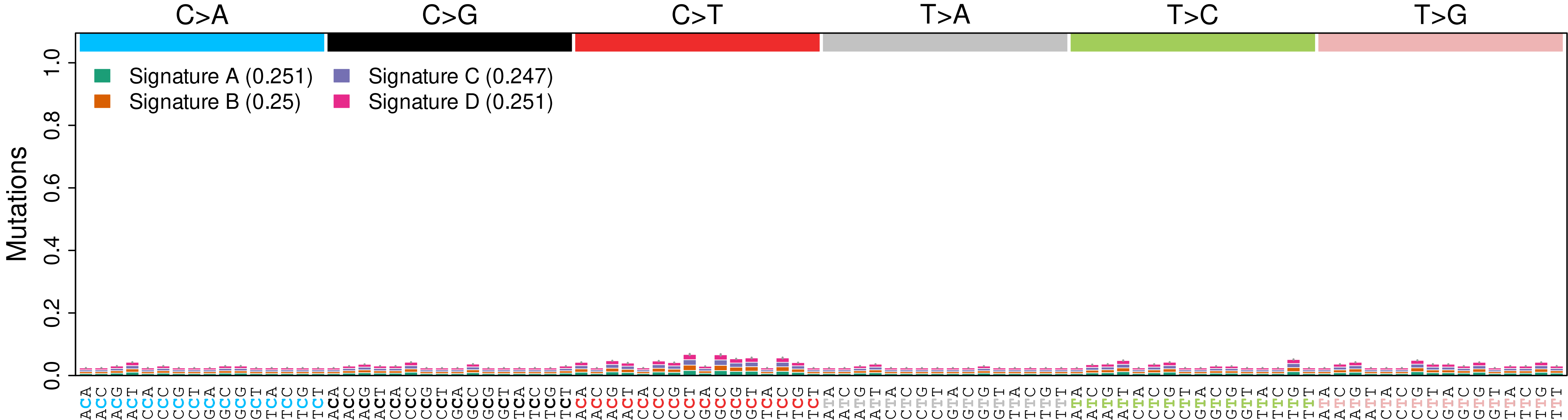**CATD0659a**

Reconstructed spectrum (cosine similarity = 0.173)

Signature A (0.251) Signature C (0.25)
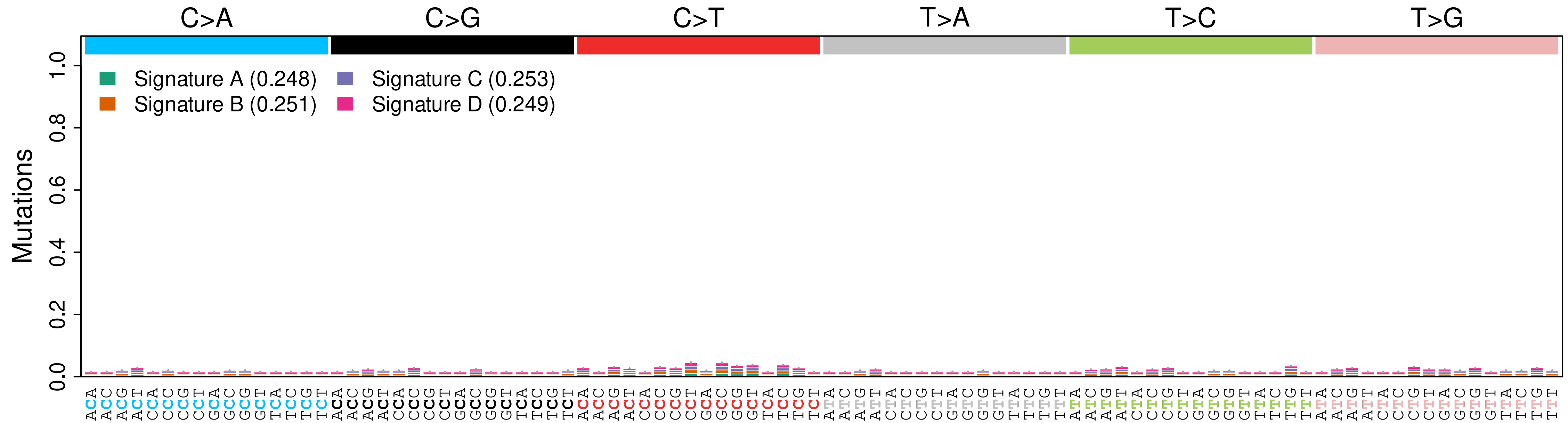Signature B (0.251) Signature D (0.248)
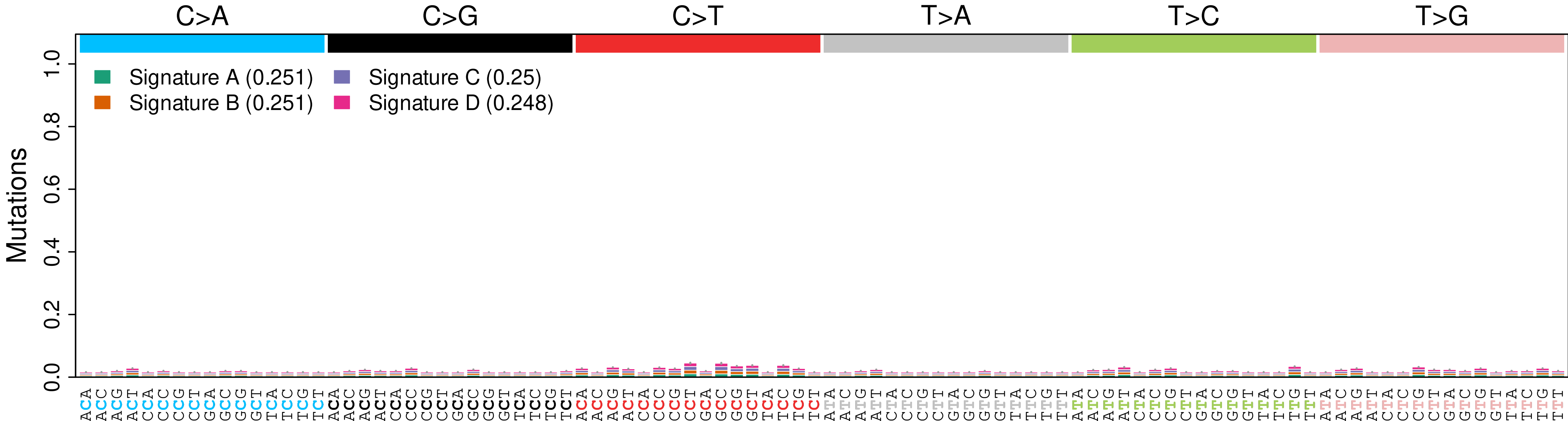
CATD0389a

CATD0658a

Reconstructed spectrum (cosine similarity = 0.227)

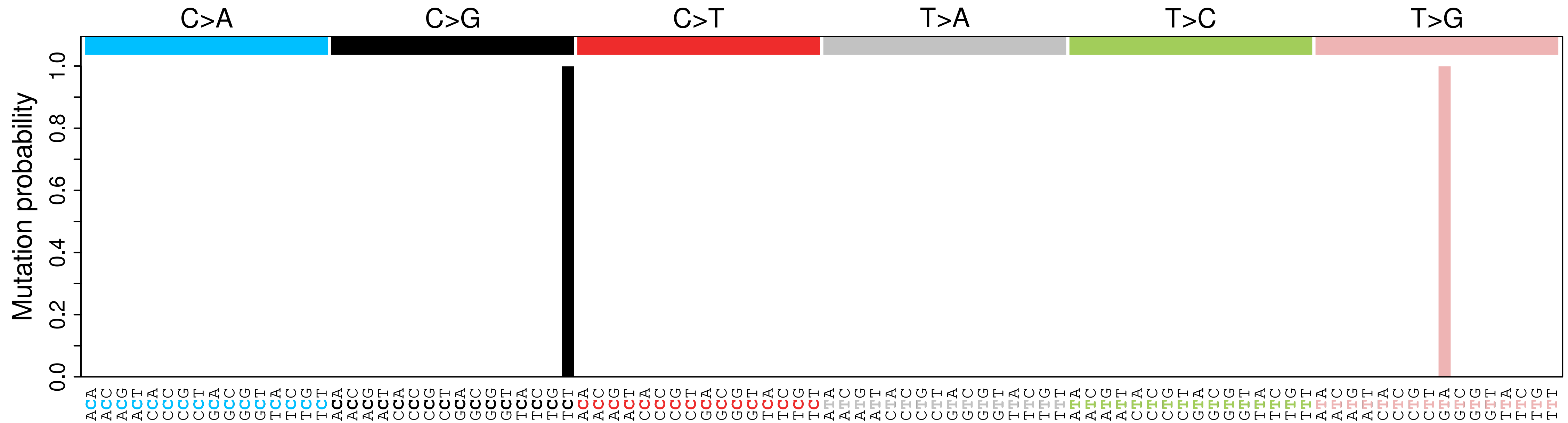Signature A (0.248)   Signature C (0.253)
Signature B (0.251)   Signature D (0.249)
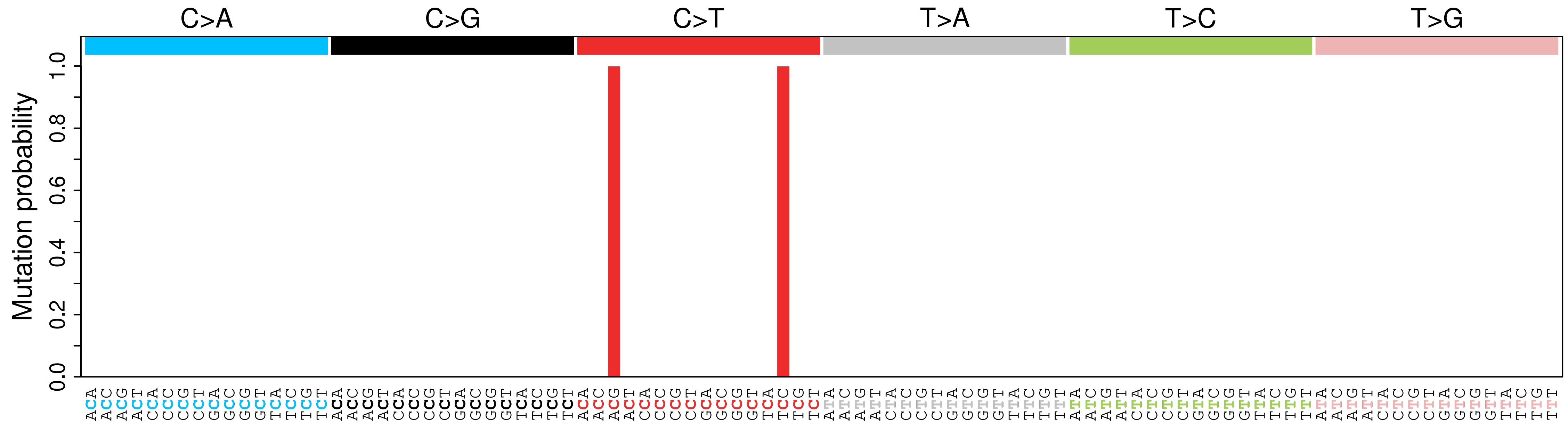
CATD0665a (4 mutations)

Reconstructed spectrum (cosine similarity = 0.227)

Signature A (0.248)　　Signature C (0.249)
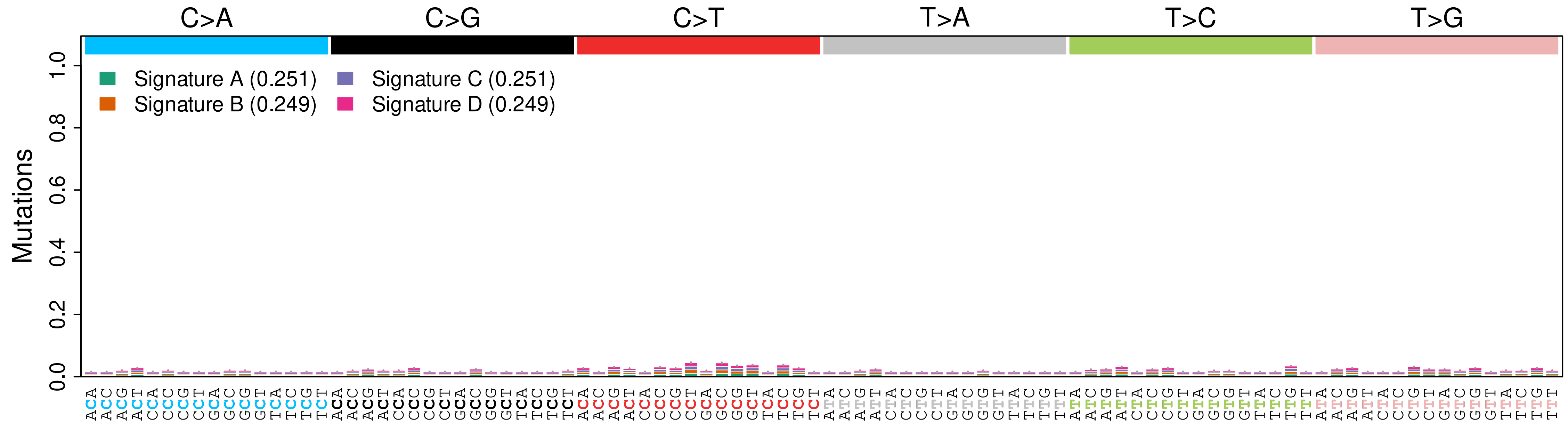Signature B (0.25)　　Signature D (0.253)
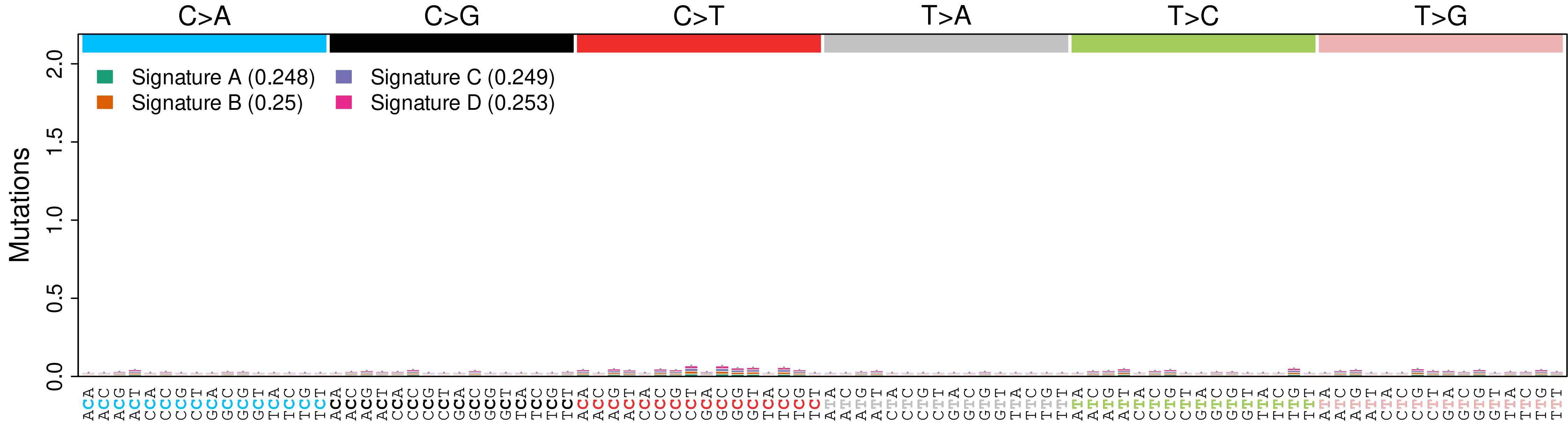
CATD0377a
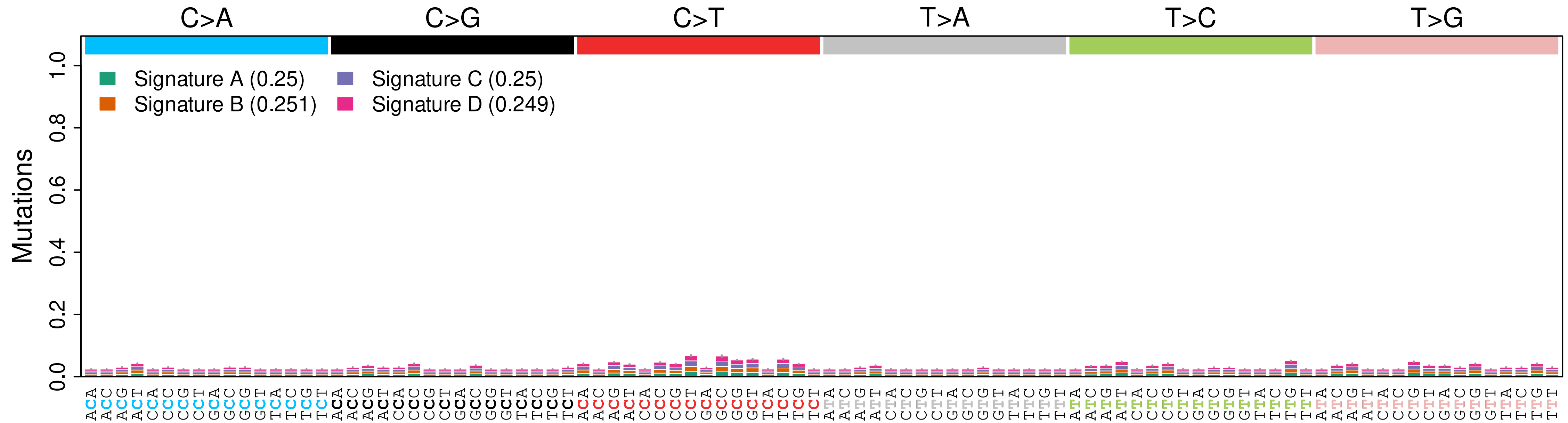
CATD0422a

Reconstructed spectrum (cosine similarity = 0.147)

Signature A (0.251)   Signature C (0.251)
Signature B (0.249)   Signature D (0.249)
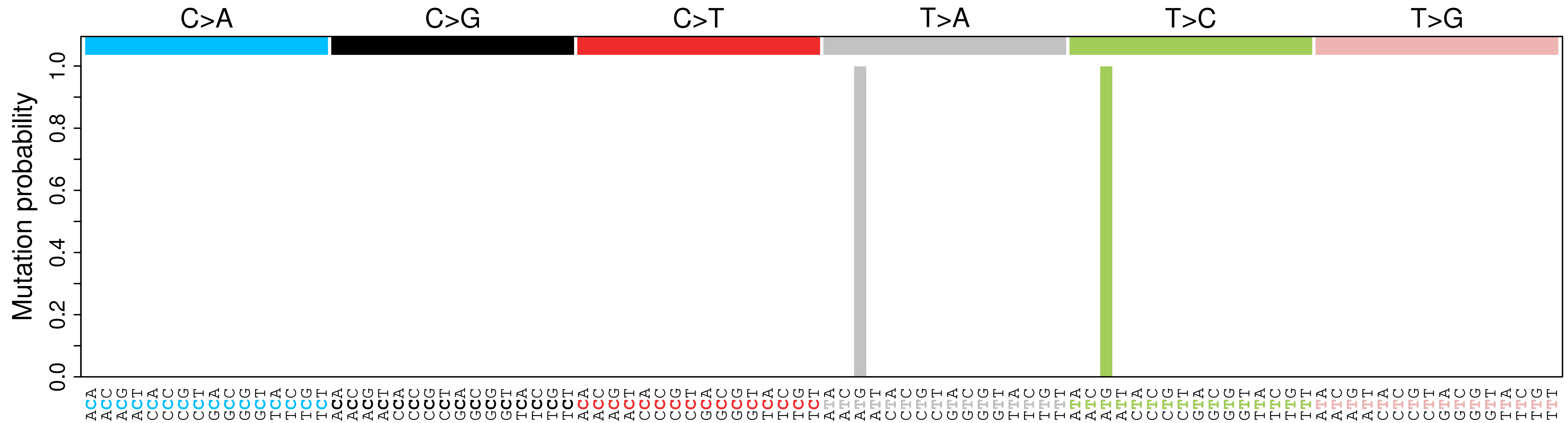
CATD0392a
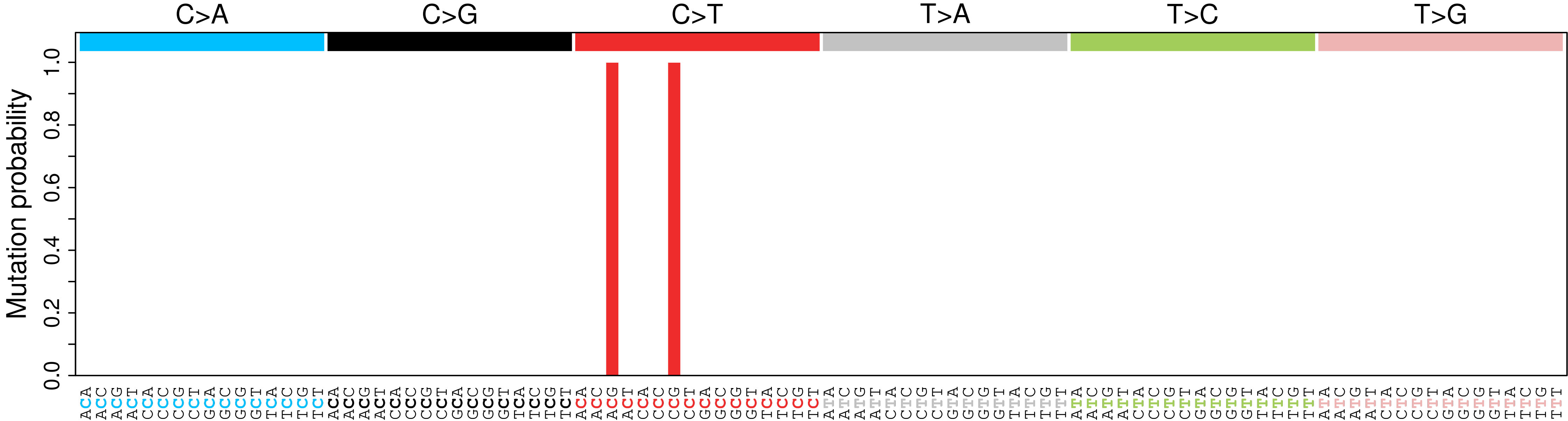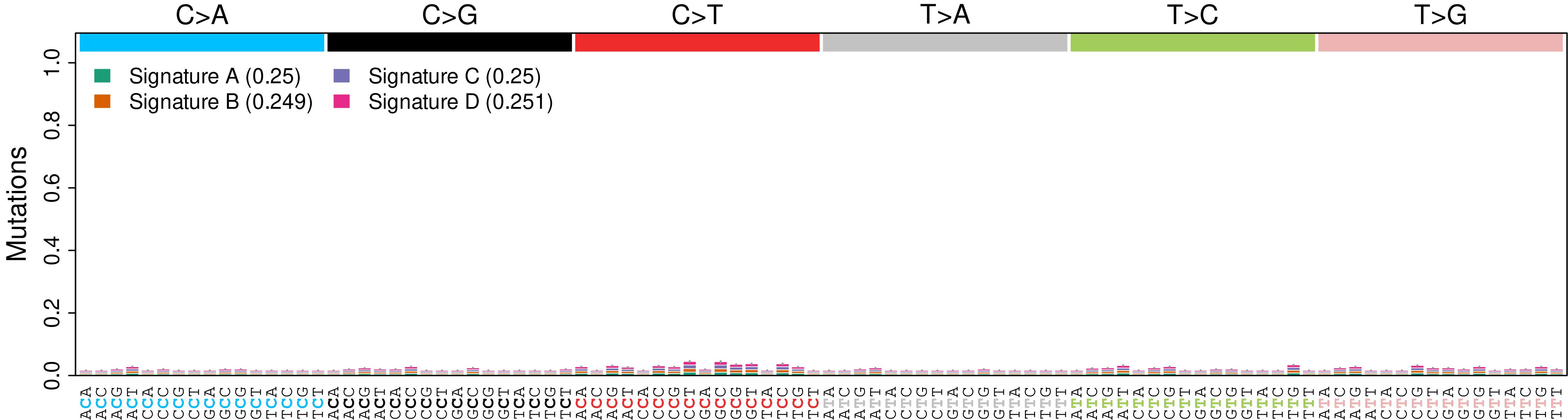
CATD0661a

Reconstructed spectrum (cosine similarity = 0.159)

Signature A (0.251) Signature C (0.247)
Signature B (0.252) Signature D (0.25)
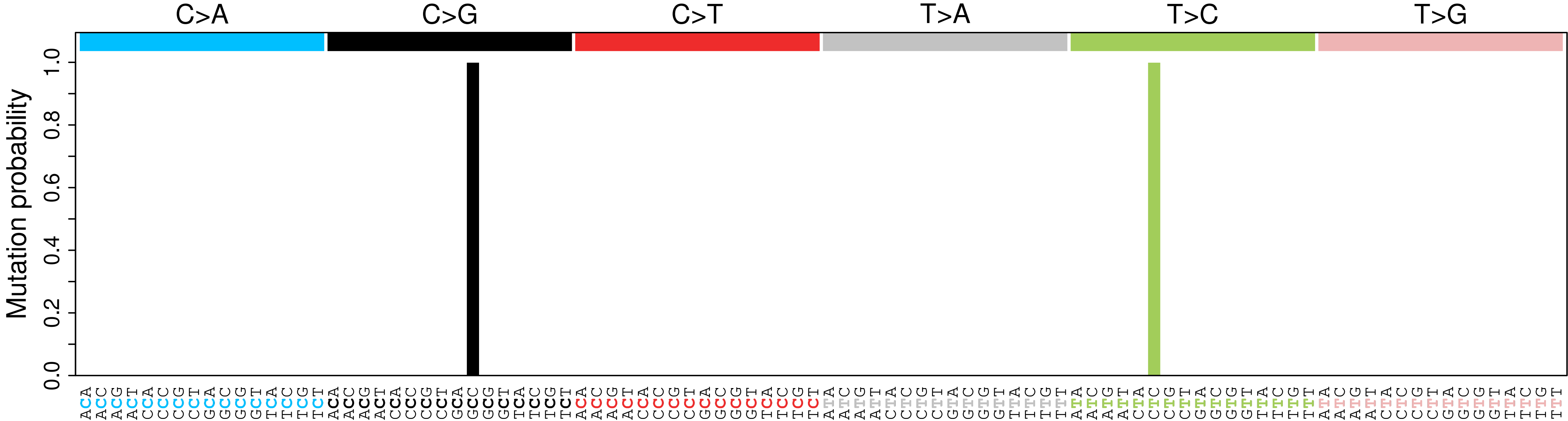
CATD0424a

Reconstructed spectrum (cosine similarity = 0.166)

Signature A (0.249)   Signature C (0.25)
Signature B (0.251)   Signature D (0.25)
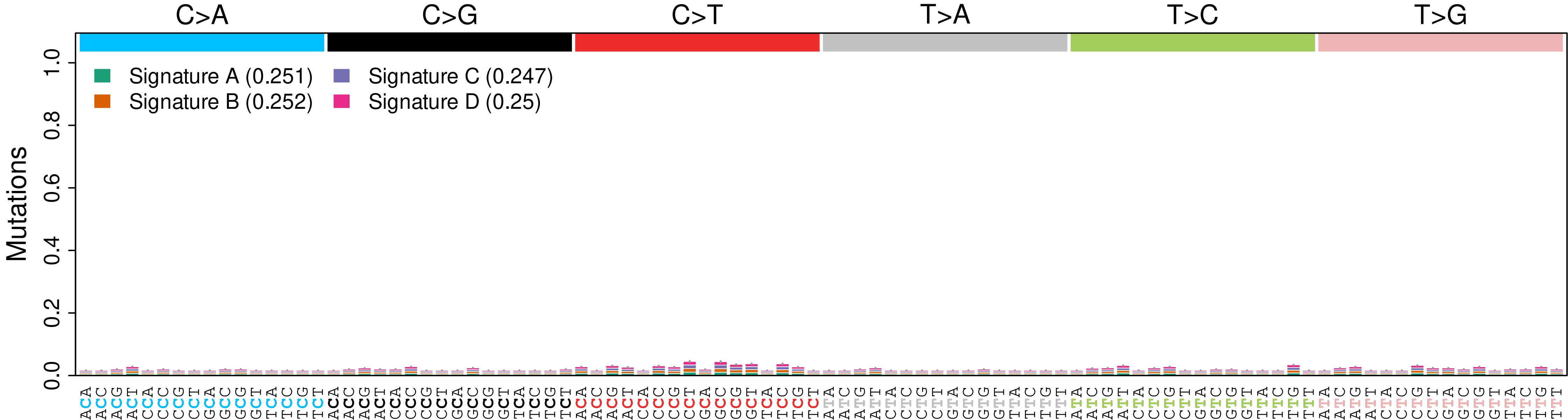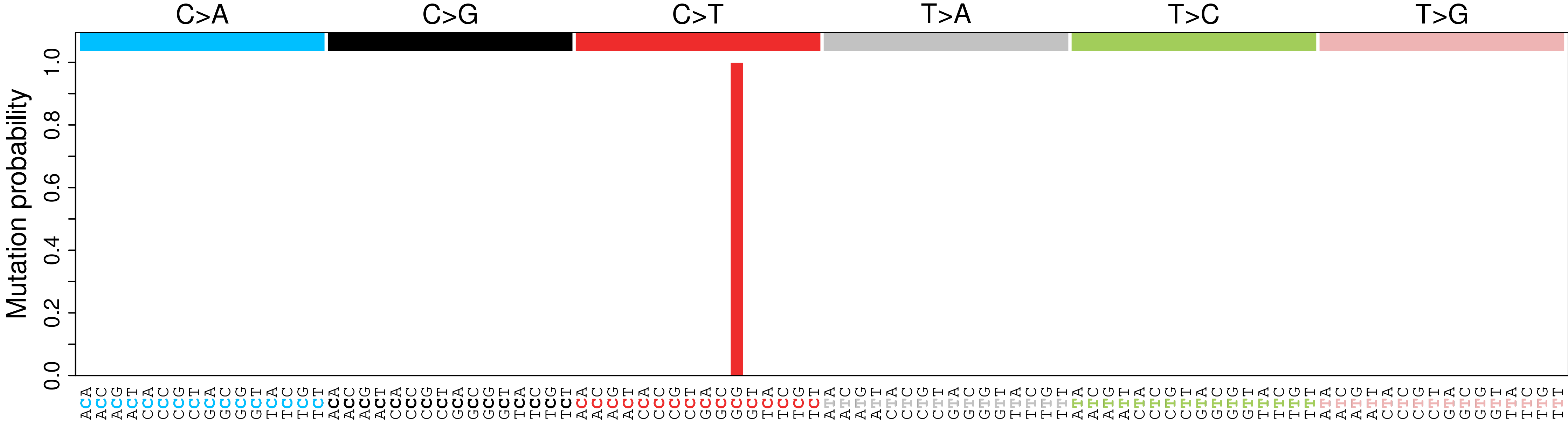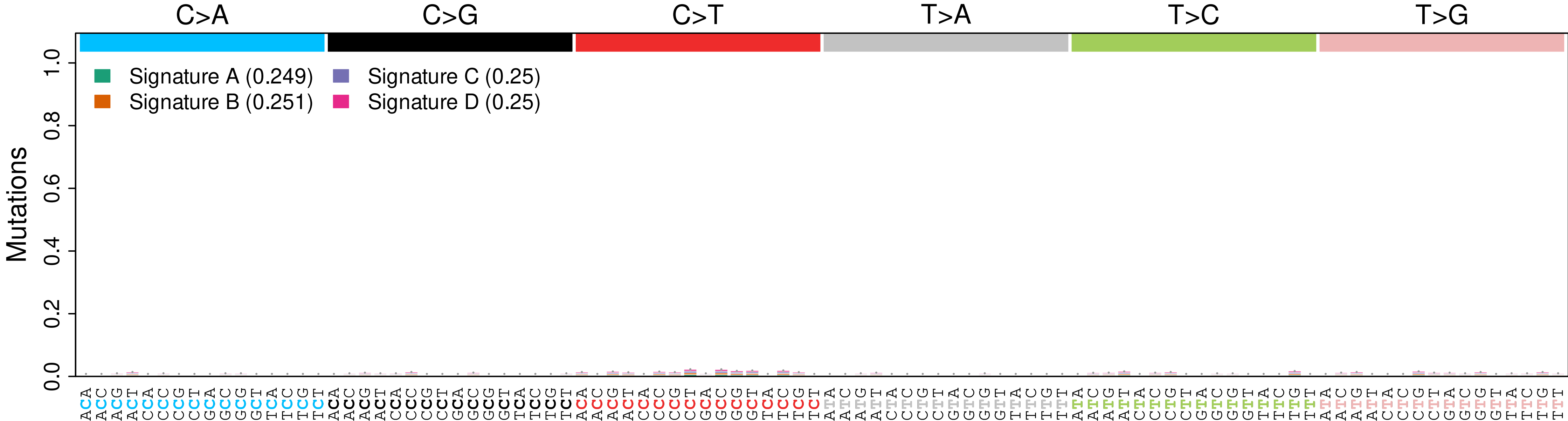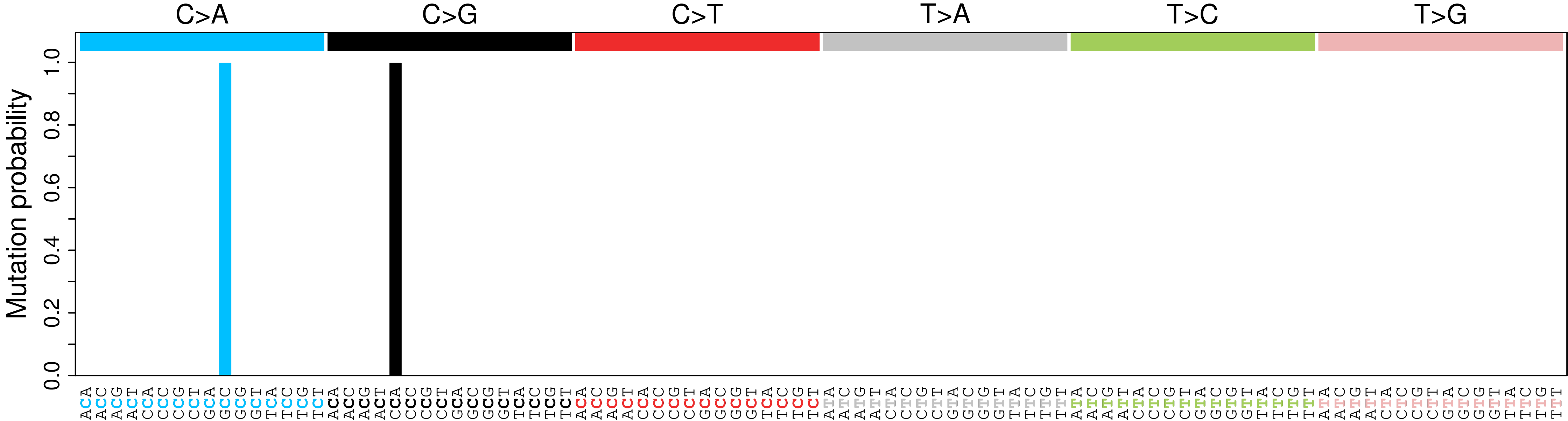
CATD0426a

Reconstructed spectrum (cosine similarity = 0.133)

Signature A (0.249) Signature C (0.249)
Signature B (0.251) Signature D (0.251)
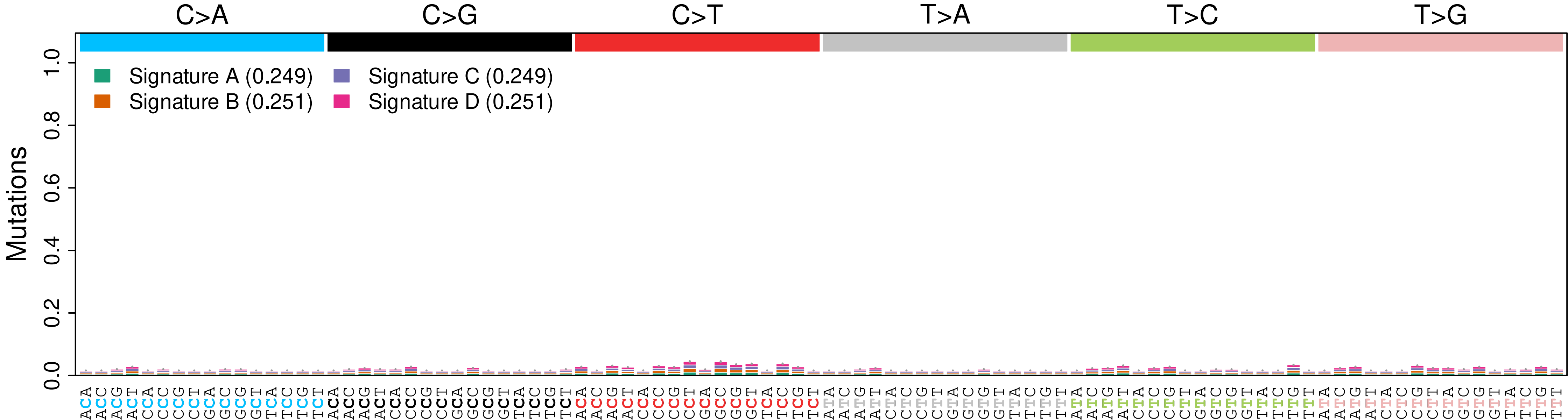
CATD0383a

Reconstructed spectrum (cosine similarity = 0.131)

Signature A (0.25)   Signature C (0.249)
Signature B (0.249)   Signature D (0.251)
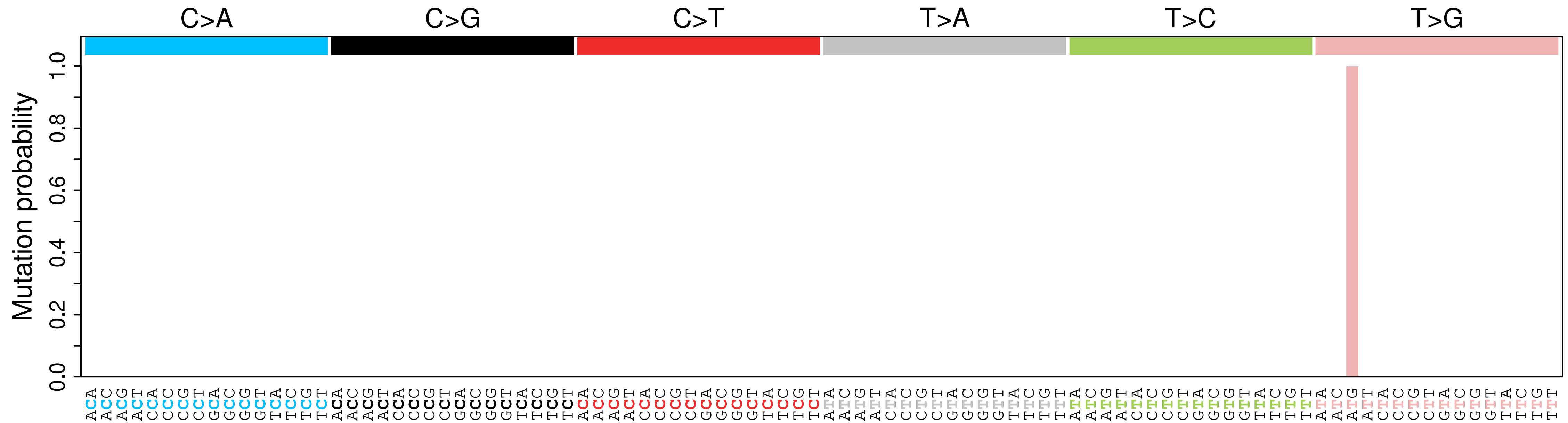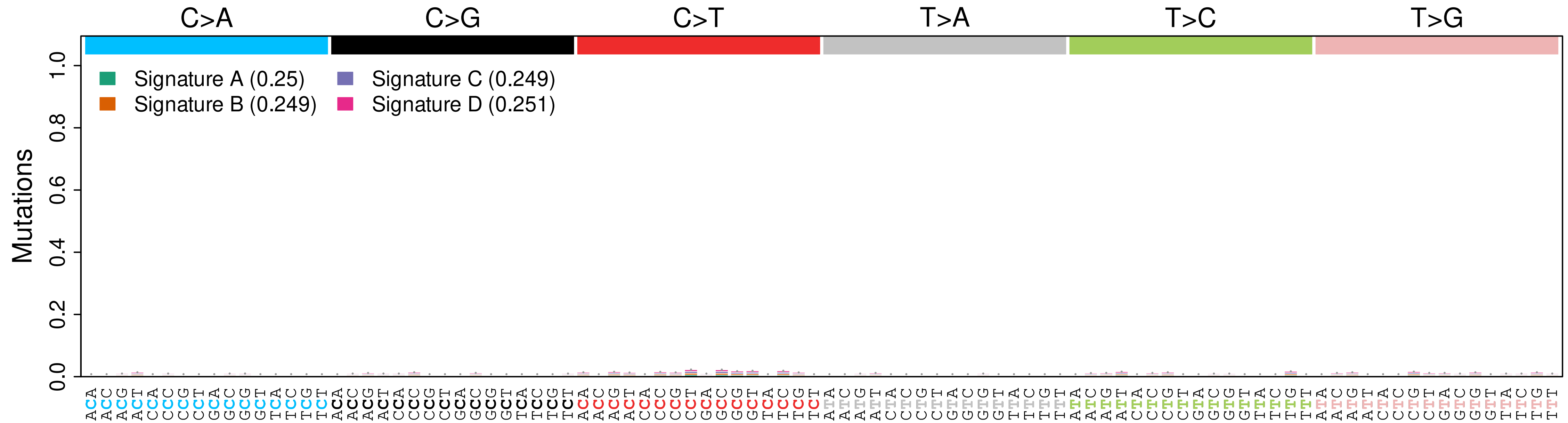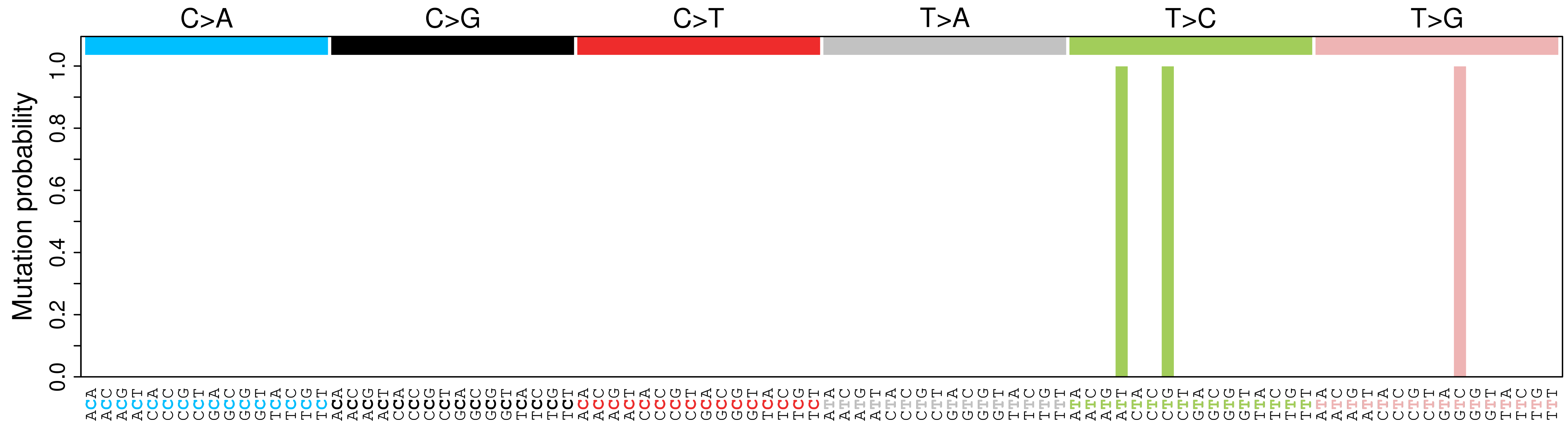
CATD0385a

Reconstructed spectrum (cosine similarity = 0.166)

Signature A (0.249) Signature C (0.251)
Signature B (0.251) Signature D (0.25)

CATD0382a

CATD0660a

Reconstructed spectrum (cosine similarity = 0.209)

Signature A (0.247)   Signature C (0.251)
Signature B (0.251)   Signature D (0.251)

CATD0437a

Reconstructed spectrum (cosine similarity = 0.175)

Signature A (0.249)　Signature C (0.251)
Signature B (0.251)　Signature D (0.249)
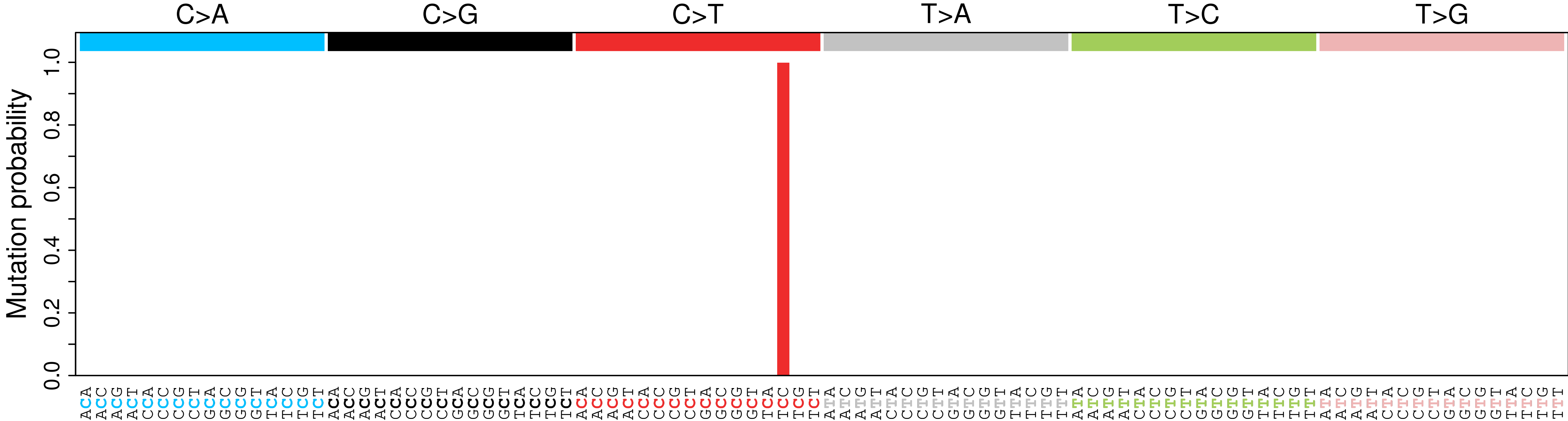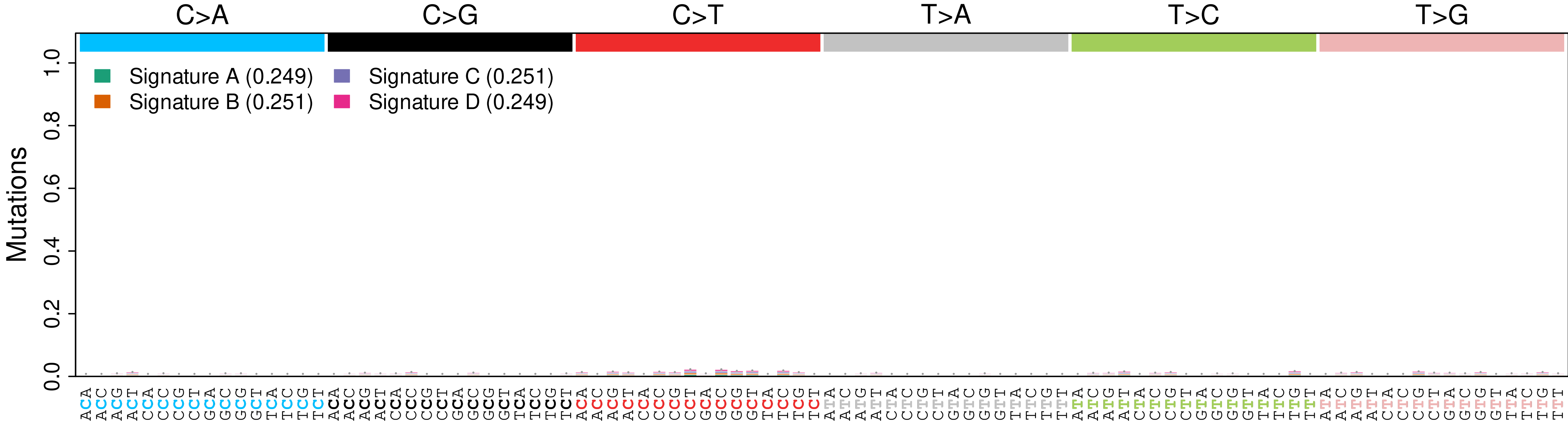
CATD0439a
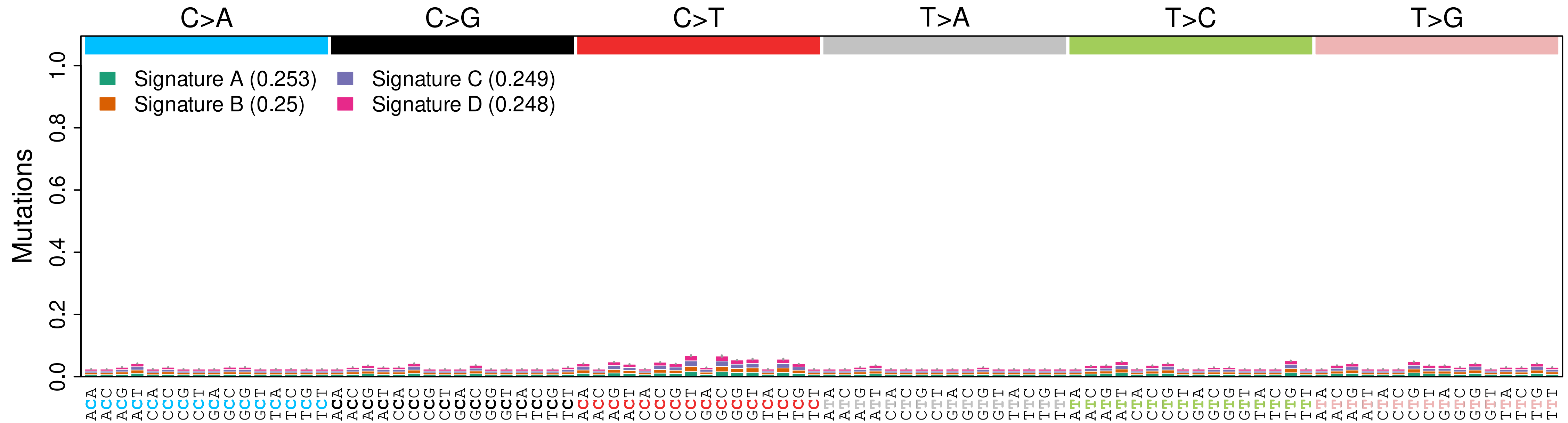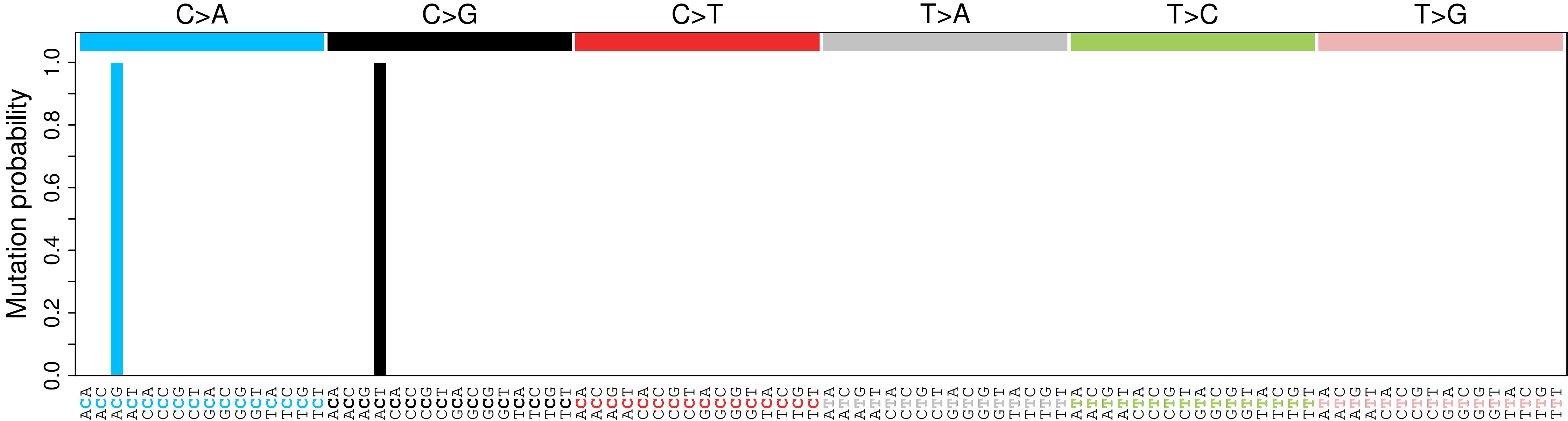
Reconstructed spectrum (cosine similarity = 0.133)

Signature A (0.251) Signature C (0.25)
Signature B (0.25) Signature D (0.25)

CATD0663a

CATD0379a

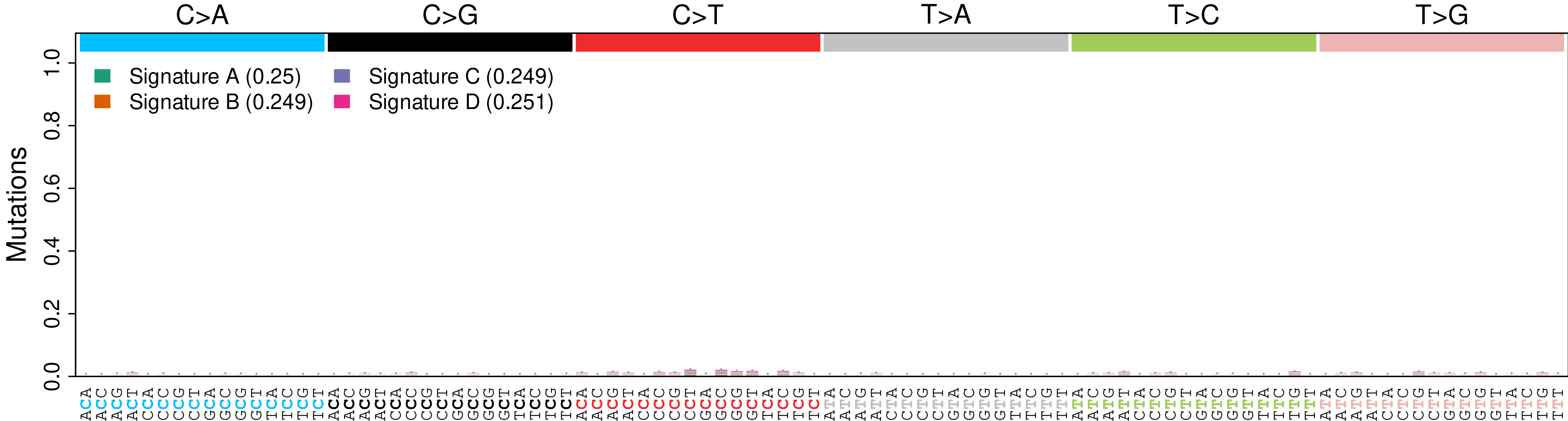Reconstructed spectrum (cosine similarity = 0.147)

Signature A (0.25) Signature C (0.249)
Signature B (0.25) Signature D (0.25)
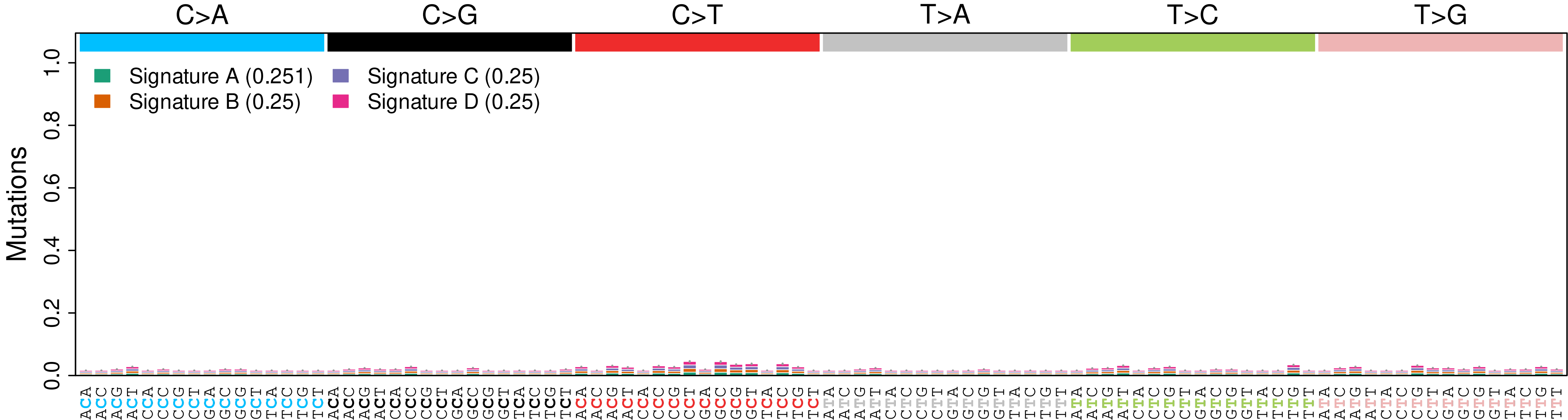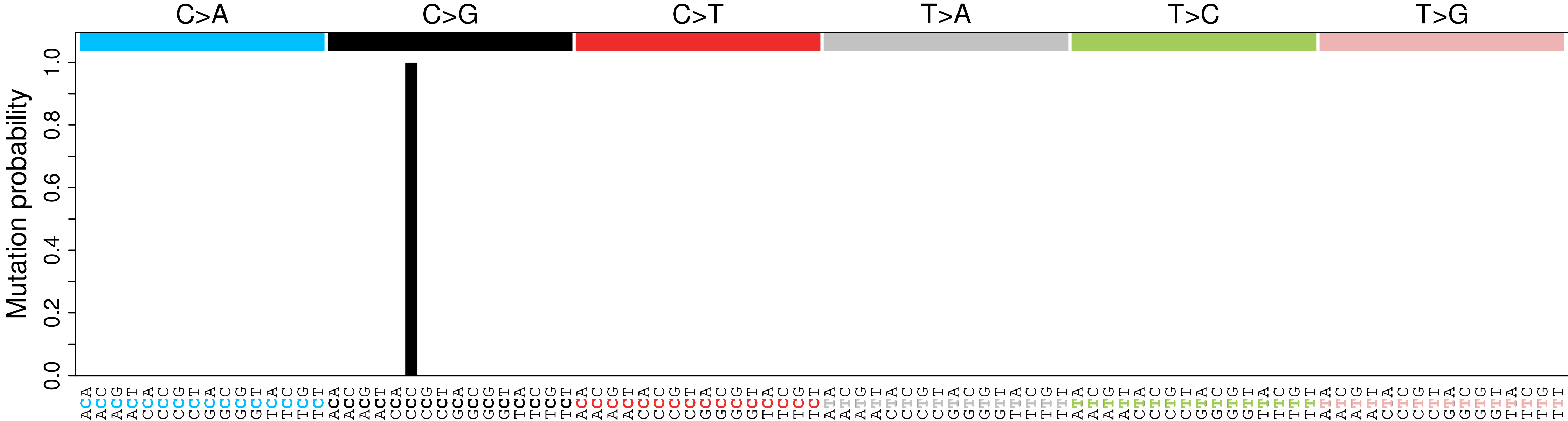
CATD0397a

Reconstructed spectrum (cosine similarity = 0.112)

Signature A (0.249) Signature C (0.248)
Signature B (0.253) Signature D (0.25)