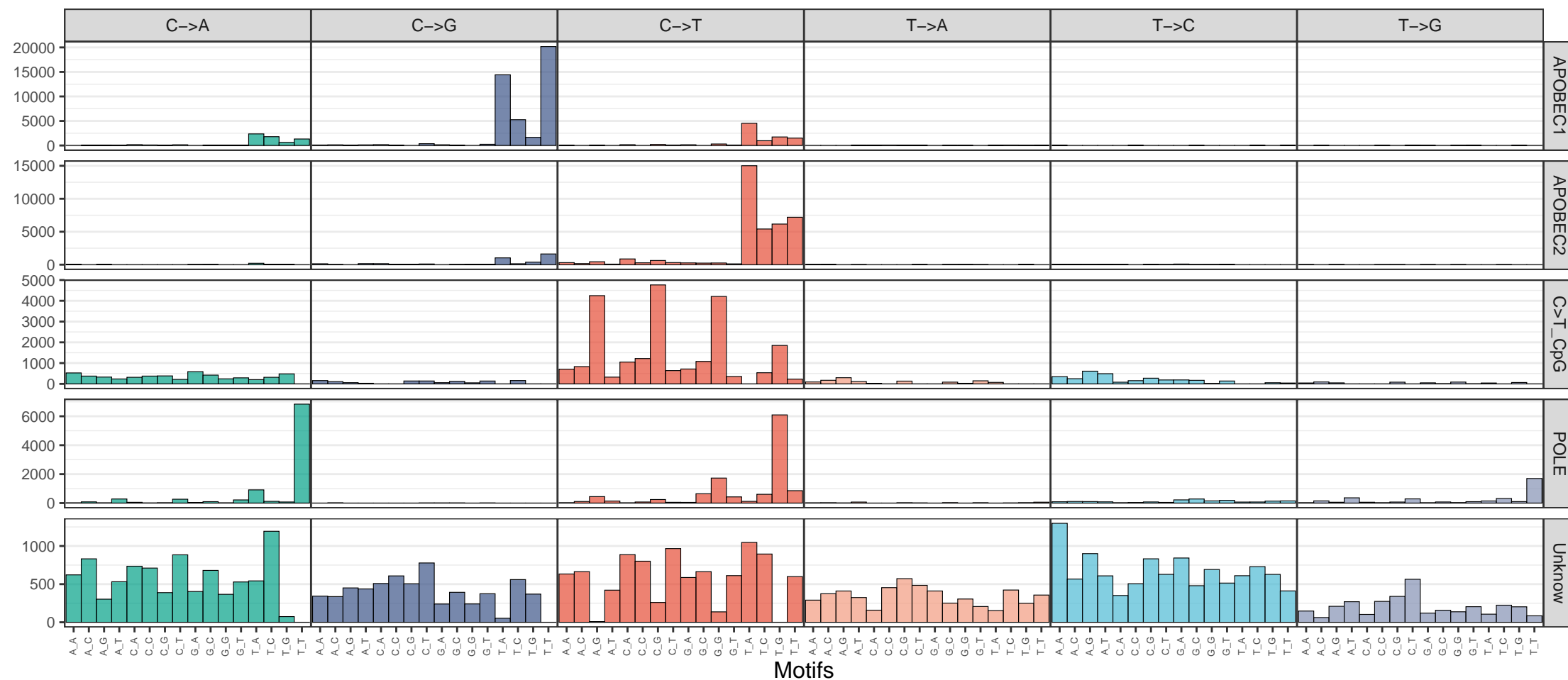


**A**

## Mutation signatures in 378 muscle-invasive TCGA bladder cancers

**B**

## Signature activity across 378 muscle-invasive TCGA bladder cancers

