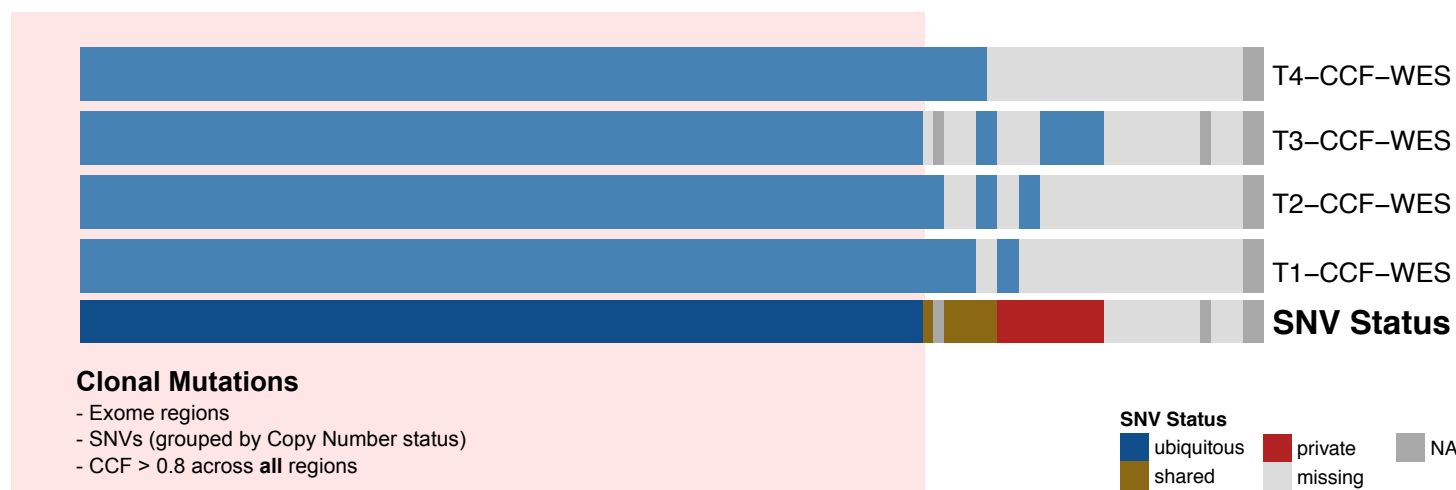
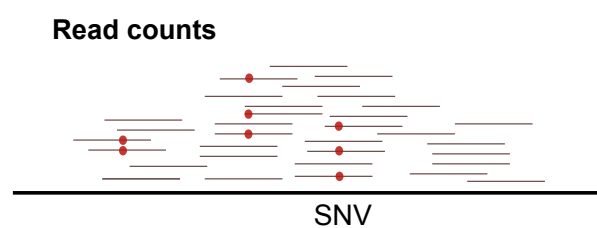


A

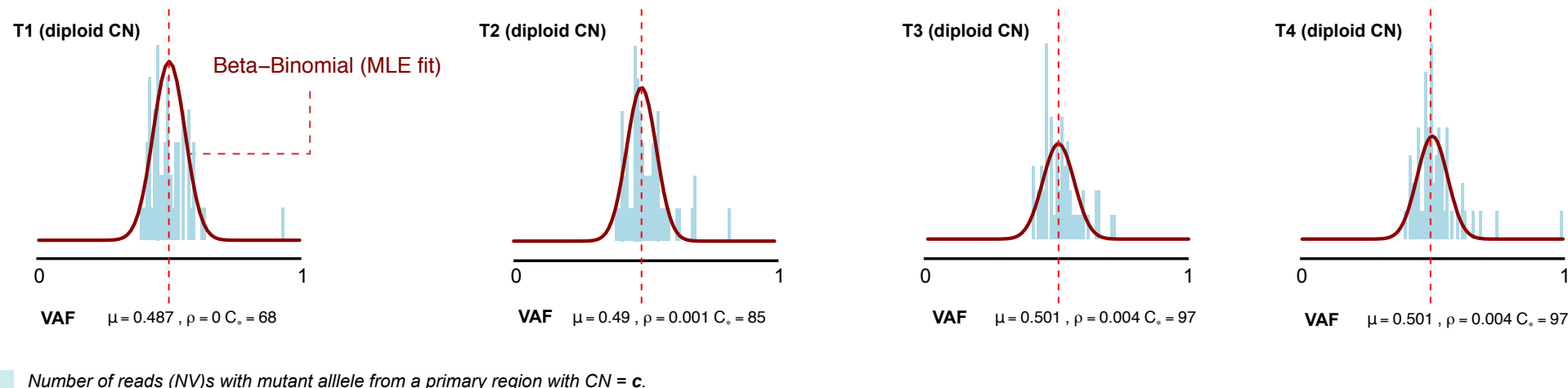
## PATIENT 52

## Cancer Cell Fractions (CCF) from Whole Exome Sequencing of 4 primary tumour regions



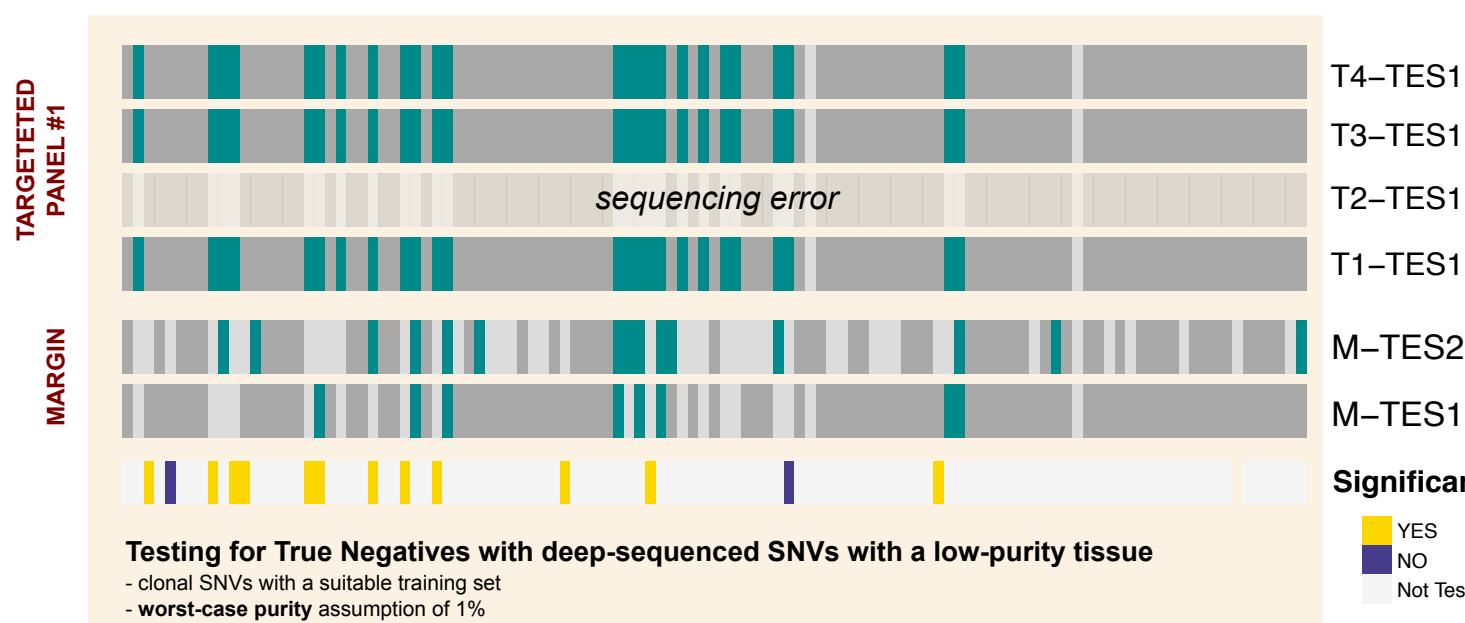
B

Training model. Expected read counts harbouring a variant allele, for a clonal SNV (adjusted for Copy Number)



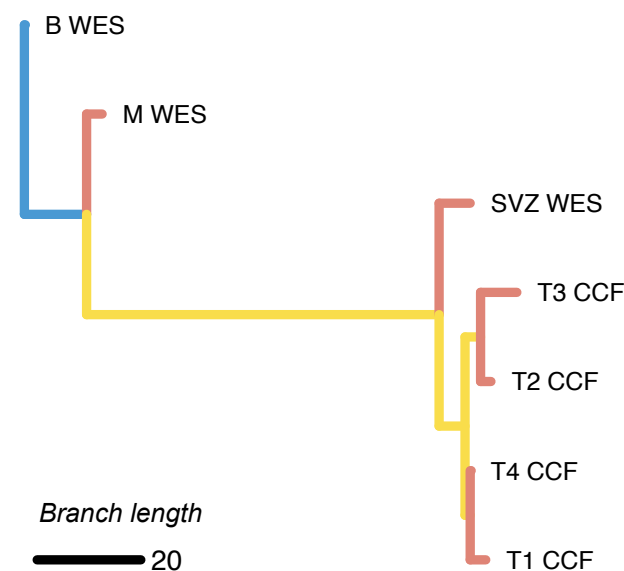
C

Test data. Deep Sequencing reveals clonal SNVs in the primary tumour that are missing in the margin samples.



D

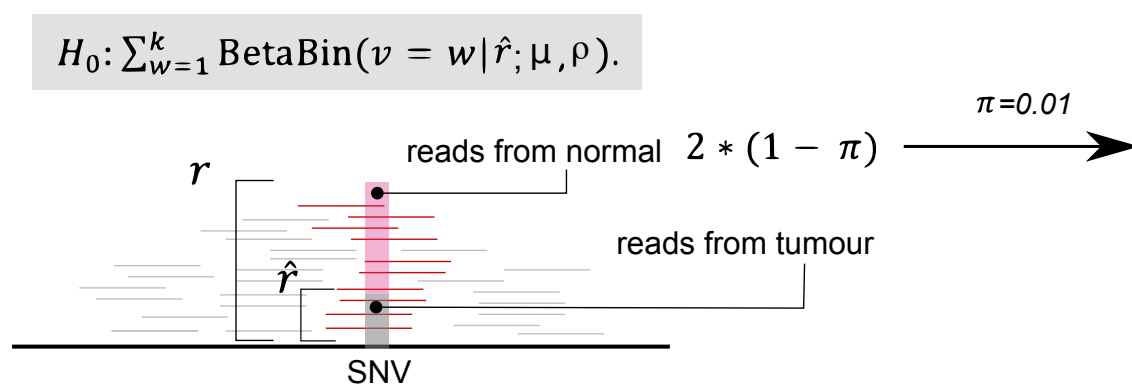
Phylogenetic analysis. The tree supports margin samples being ancestral to primary tumour regions.



E

### Deep-resolution clonal SNVs (~3000x)

$NV < k$  in  $M$ ; tested with read coverage from tumour ( $NR$ ).



Test power for  $\mu = 0.5$  and  $\rho = 5 \times 10^{-2}$  at significance level  $\alpha = 0.05$

