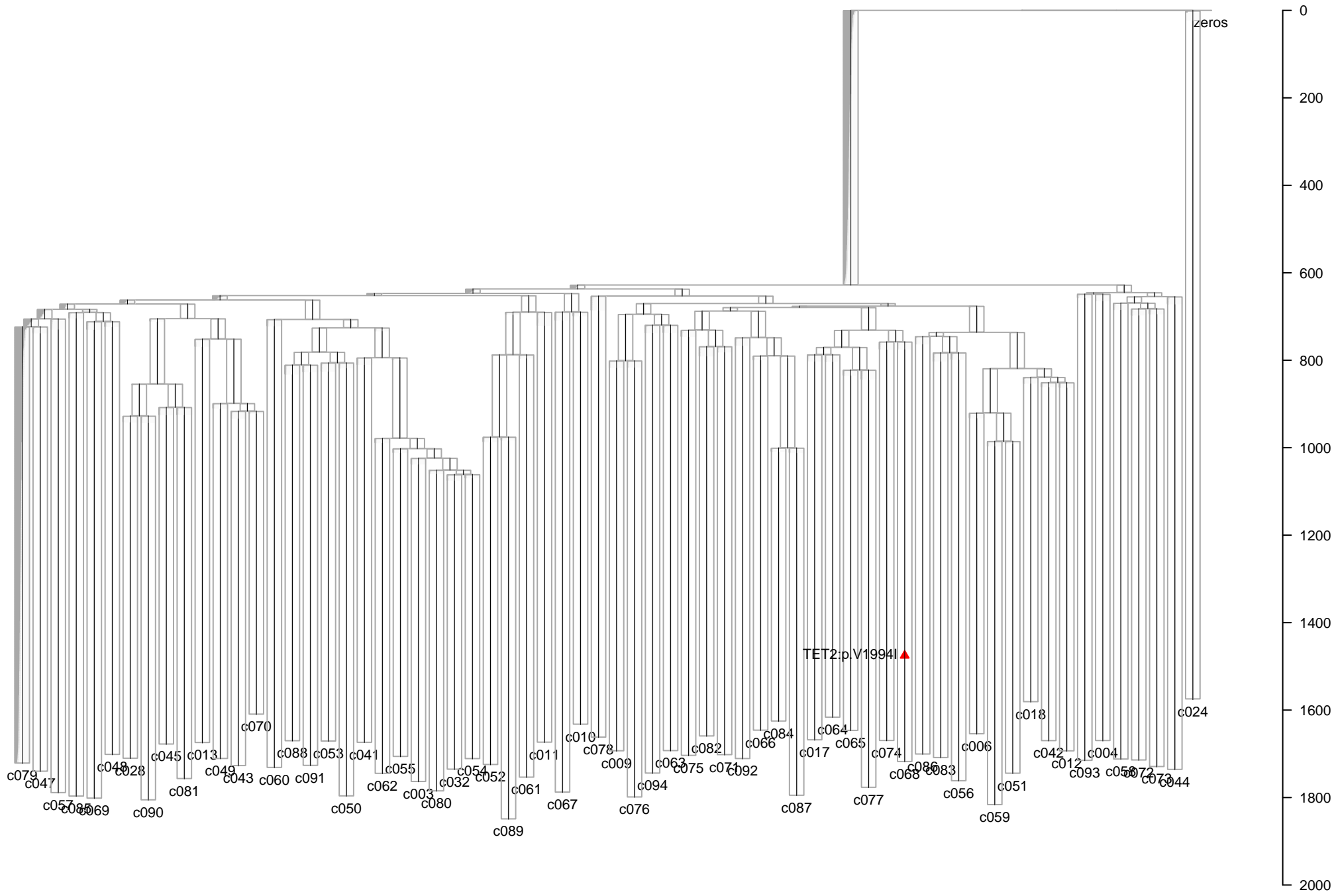


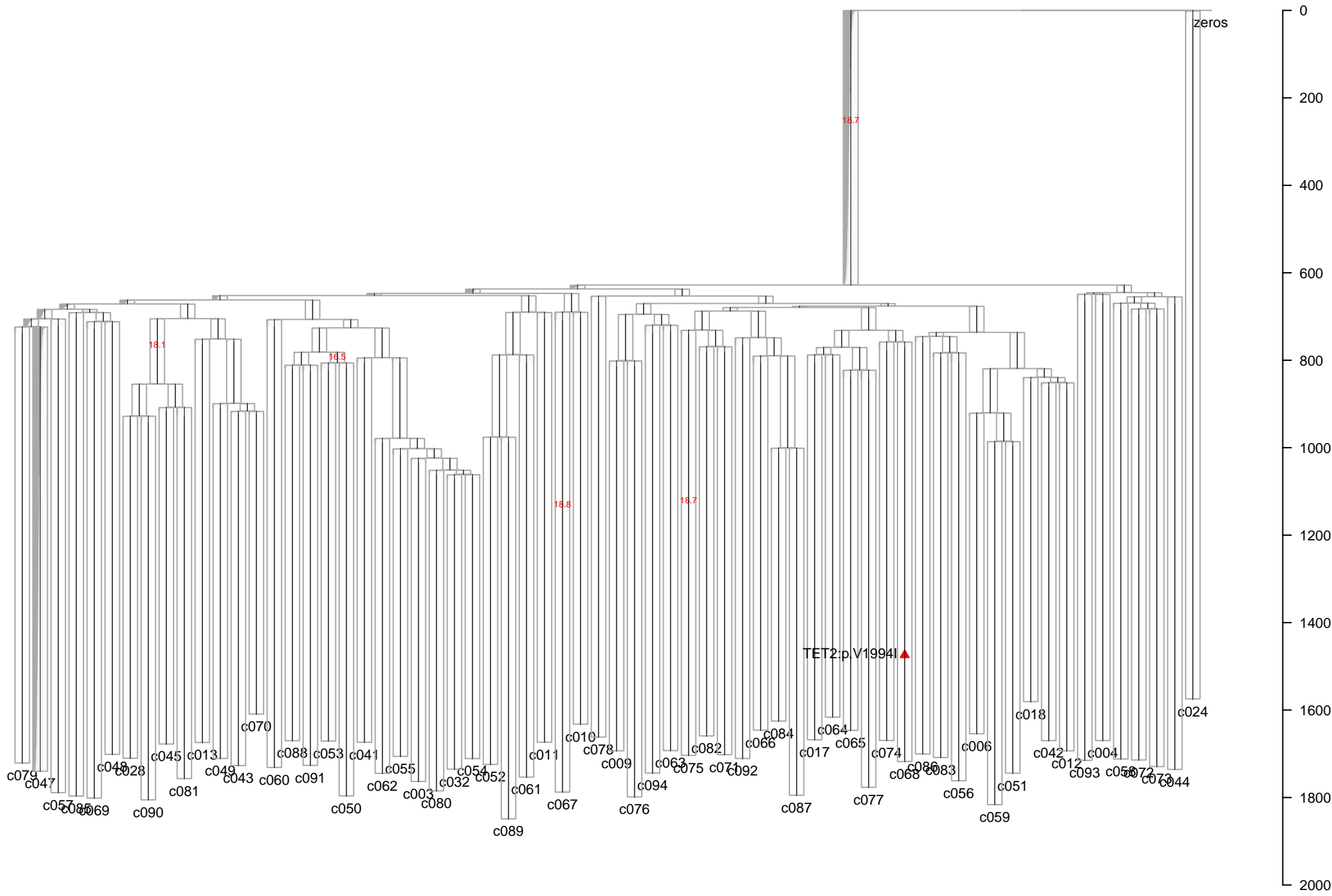
Tree By Colony Quality Assessment

This file reports the VAF distribution of the variants assigned to each branch on a per colony basis. This allows one to 'walk through' the trees on a per colony basis to visualise both the branch placement and VAF of all the variants present in that single colony with respect to the rest of the tree. This is particularly helpful to ensure that variants belonging to a single colony are not found in non-ancestral branches whilst also allowing one to assess if other branches in the tree suffer from a lack of sensitivity for picking up specific variants. The report includes all colonies - including those that are dropped from the final tree and also some additional samples of interest. For colonies that are in the final tree it is expected that the VAFs will be clonal on branches that are ancestral to the colony of interest and zero for those that are not ancestral. Branches are highlighted if they show significant deviation from this expectation ($VAF < 0.35$ and $VAF > 0.05$; Binomial test on aggregate mutant read count and aggregate depth; blue $p < 0.05$ and red $p < 0.05/\text{number of branches}$). Branches where the depth is significantly lower than the depth of variants across the whole tree are annotated with the branch depth shown in red.

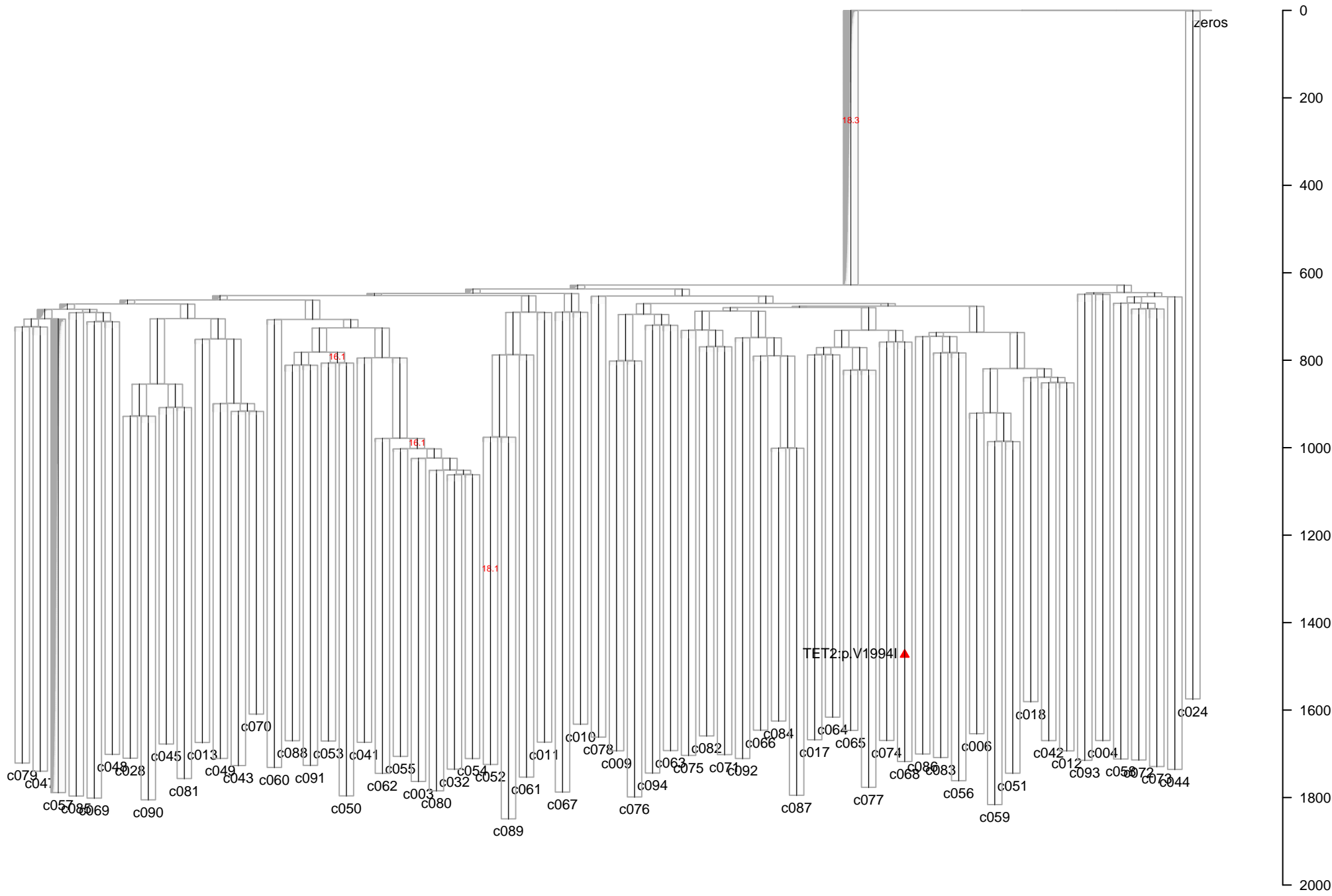
PD5147: Annotated with VAF from c079
Mean Depth=17.65



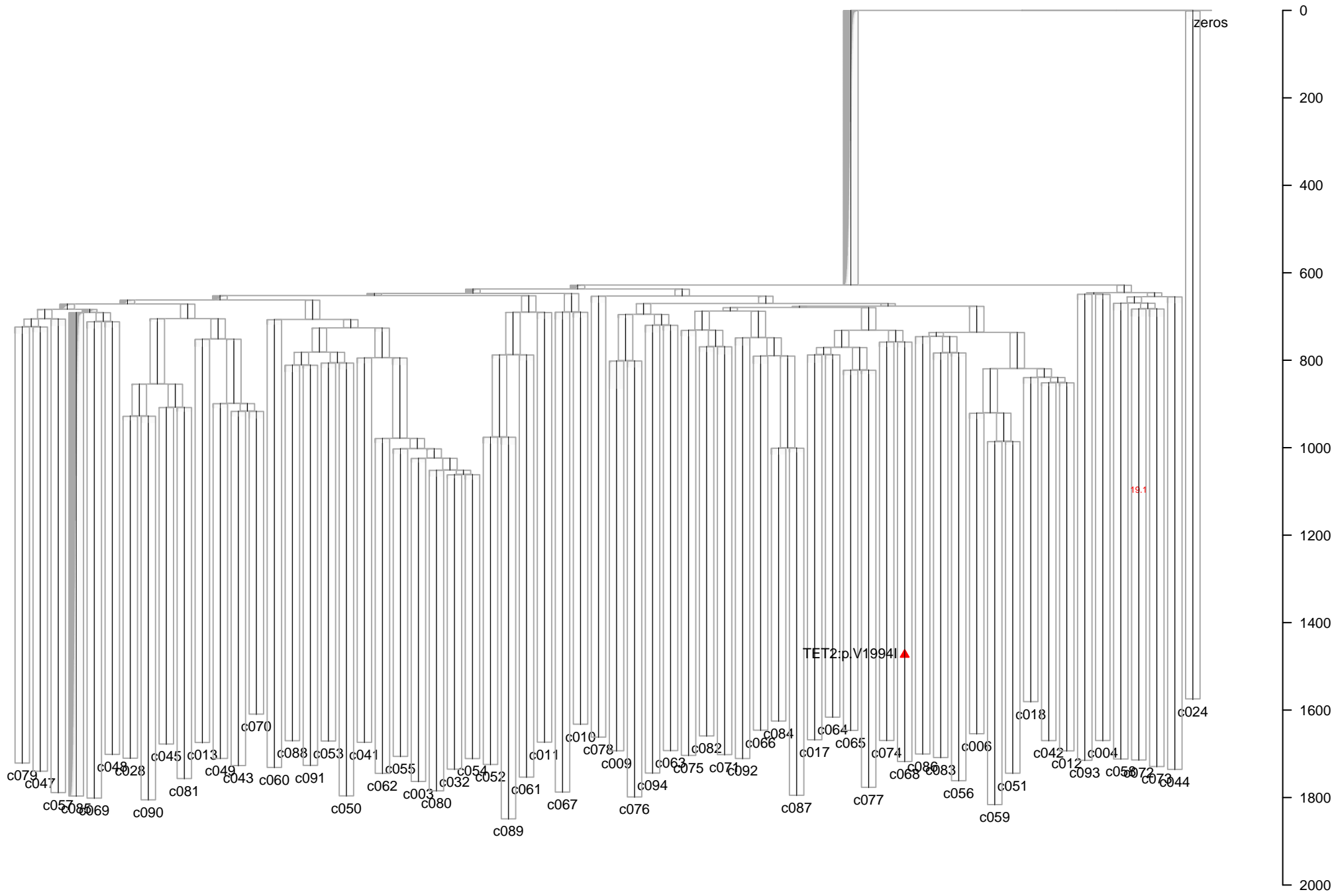
PD5147: Annotated with VAF from c047
Mean Depth=19.20



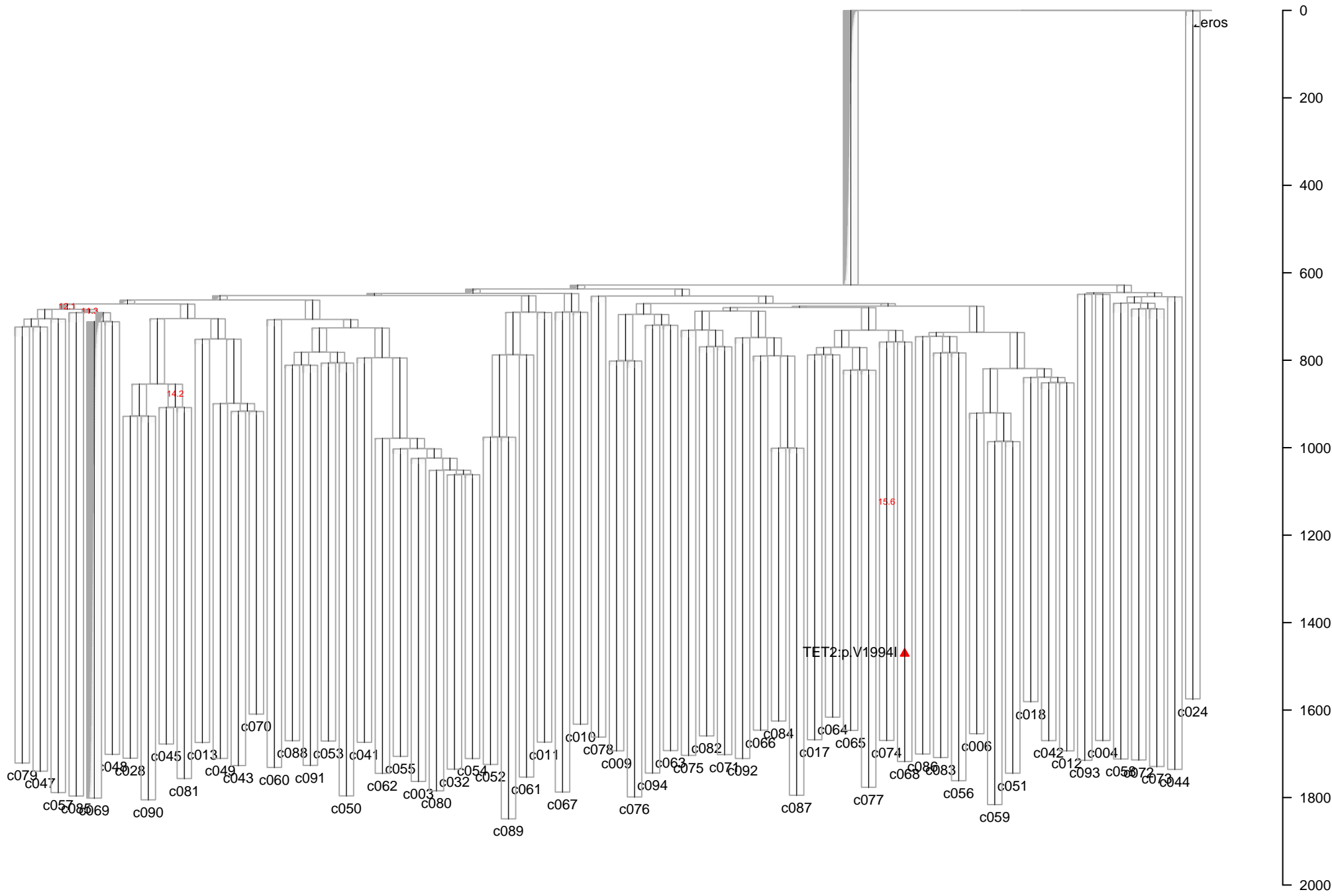
PD5147: Annotated with VAF from c057
Mean Depth=18.75



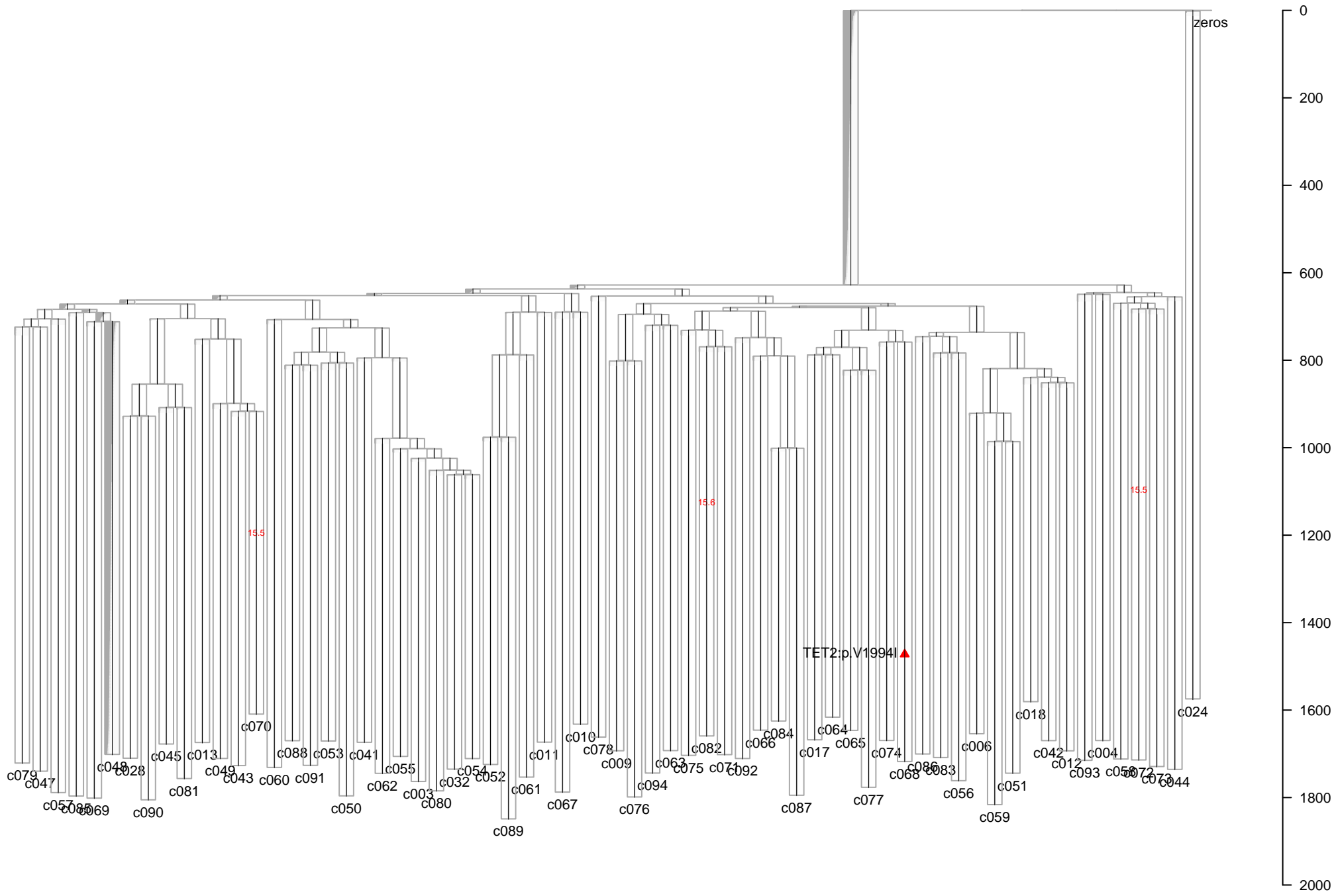
PD5147: Annotated with VAF from c085
Mean Depth=19.61



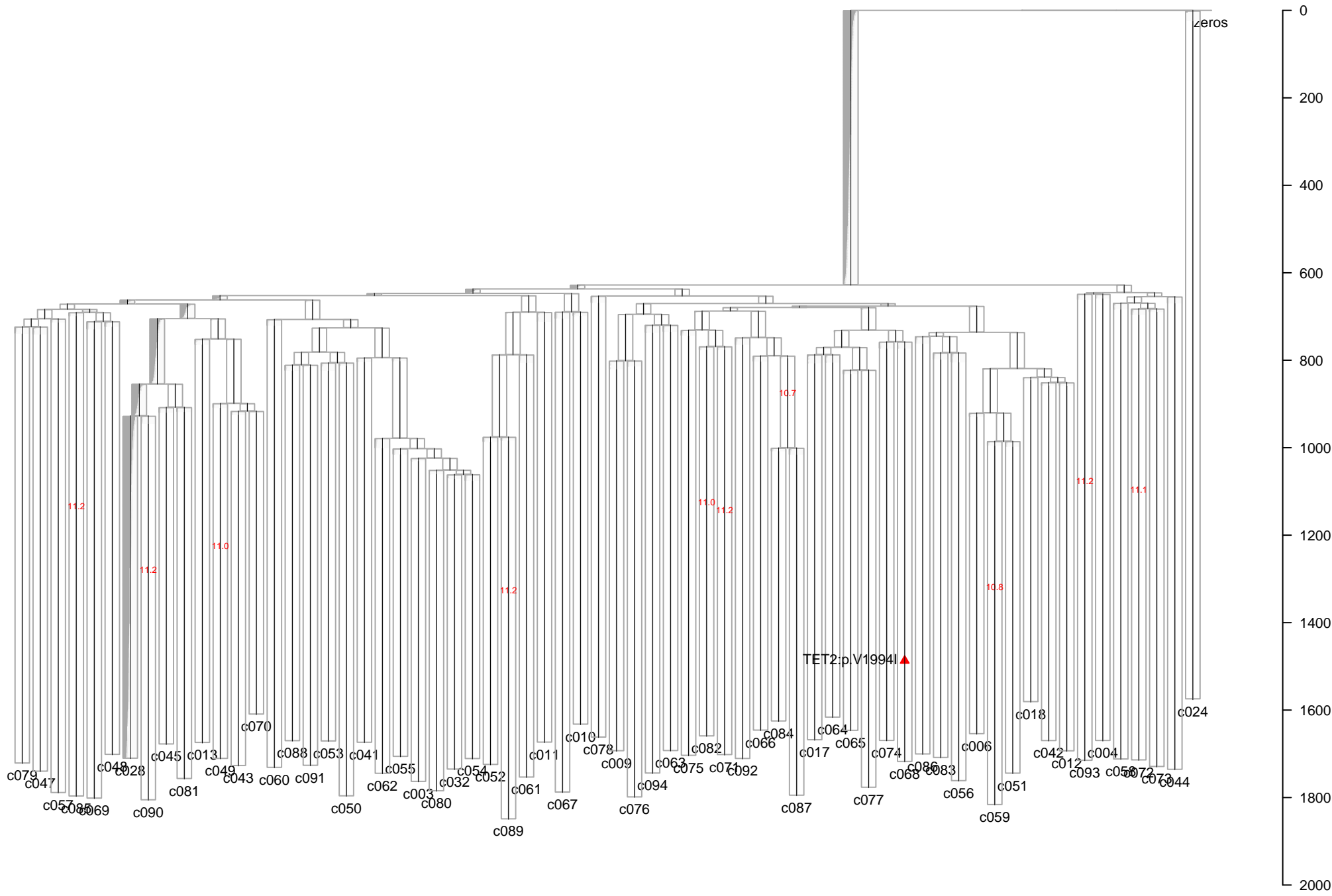
PD5147: Annotated with VAF from c069
Mean Depth=16.02



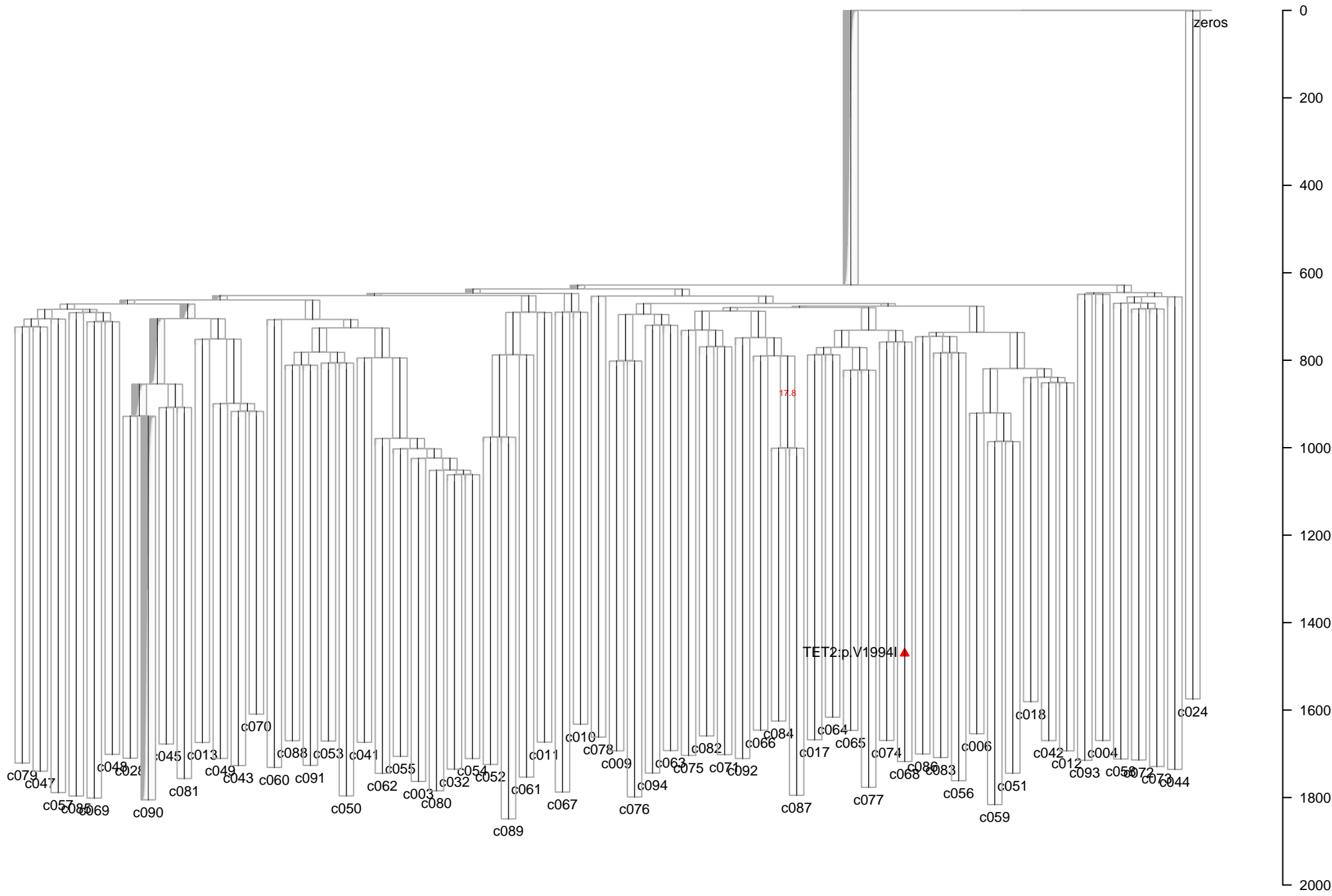
PD5147: Annotated with VAF from c048
Mean Depth=16.03



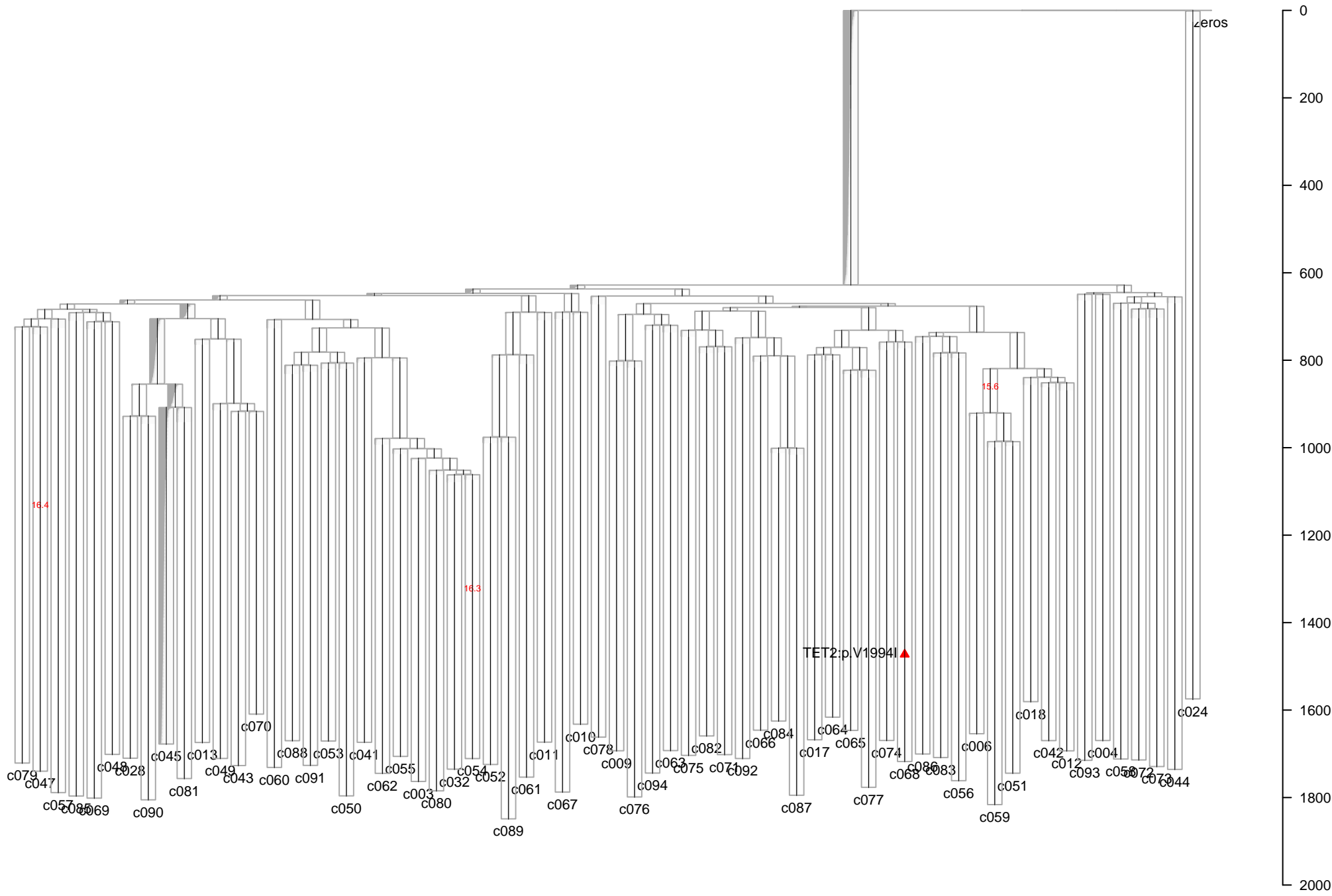
PD5147: Annotated with VAF from c028
Mean Depth=11.60



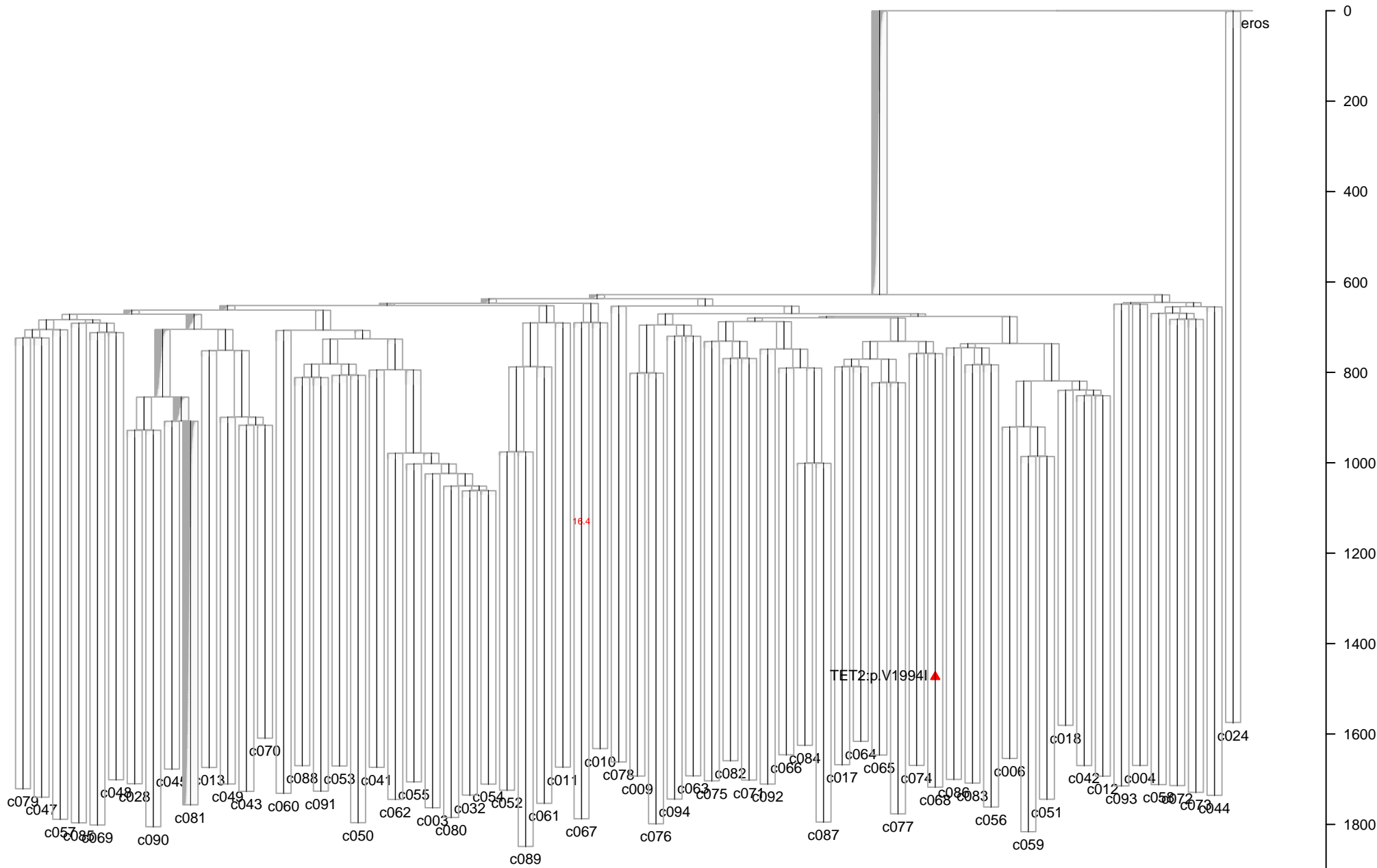
PD5147: Annotated with VAF from c090
Mean Depth=18.68



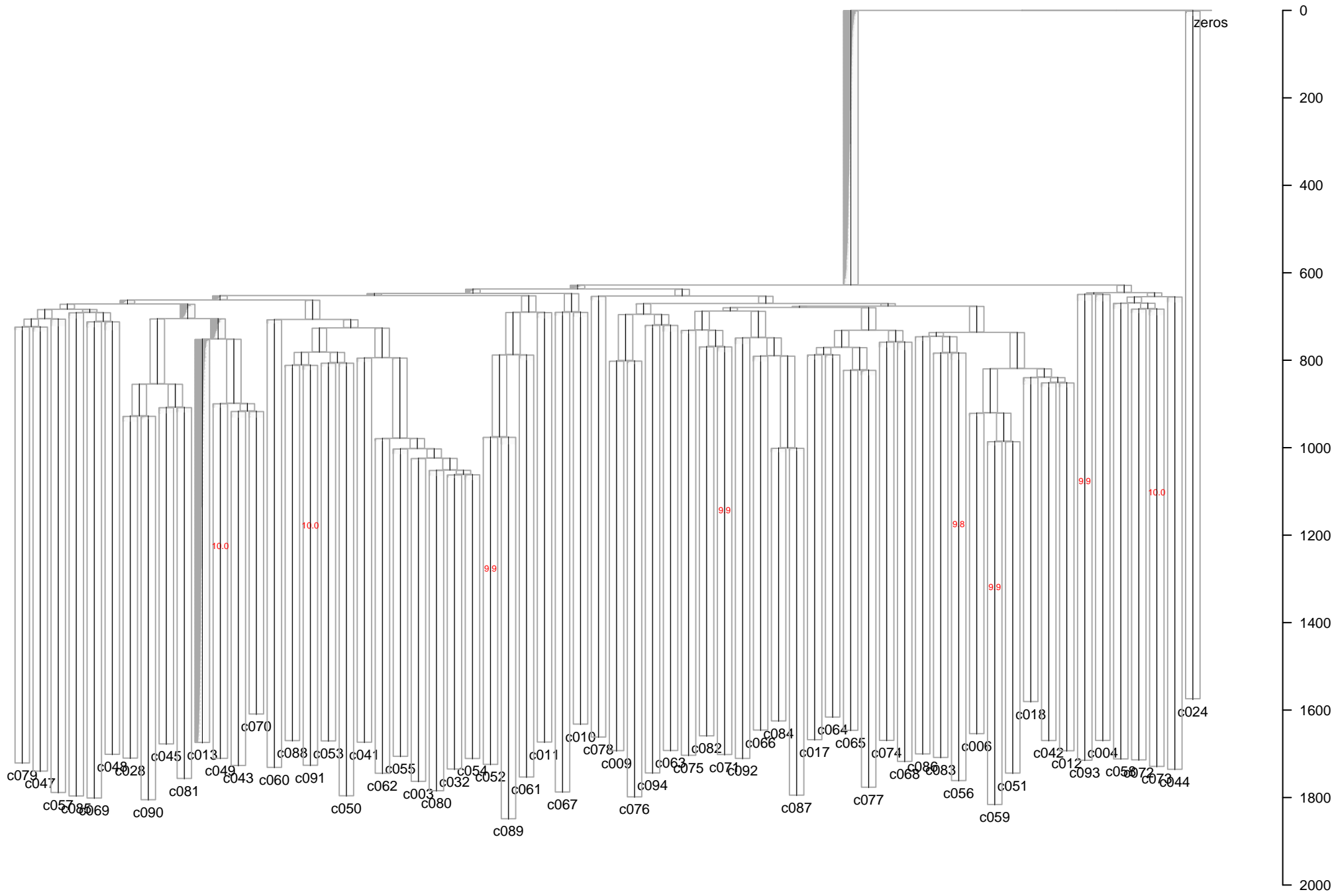
PD5147: Annotated with VAF from c045
Mean Depth=16.89



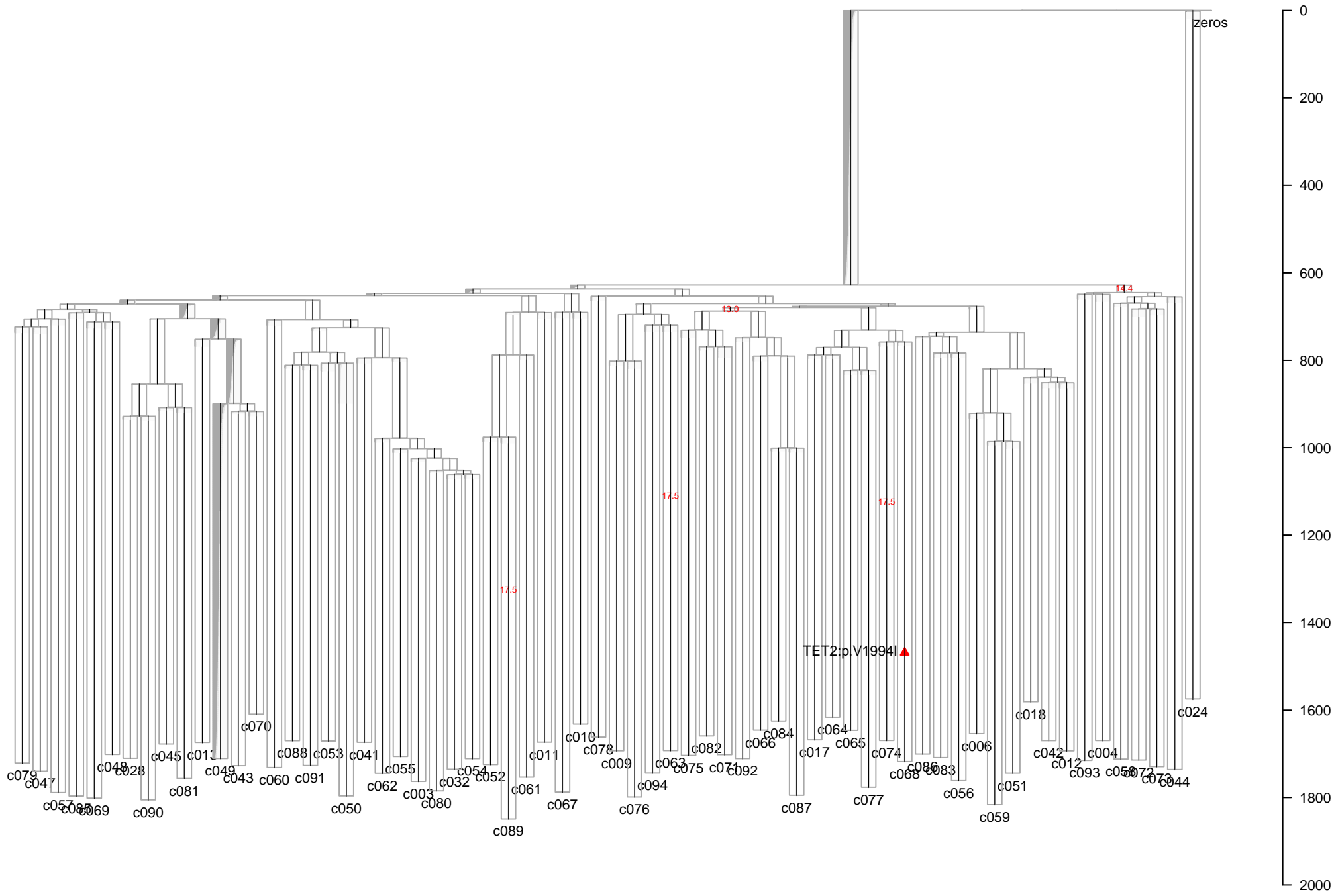
PD5147: Annotated with VAF from c081
Mean Depth=16.83



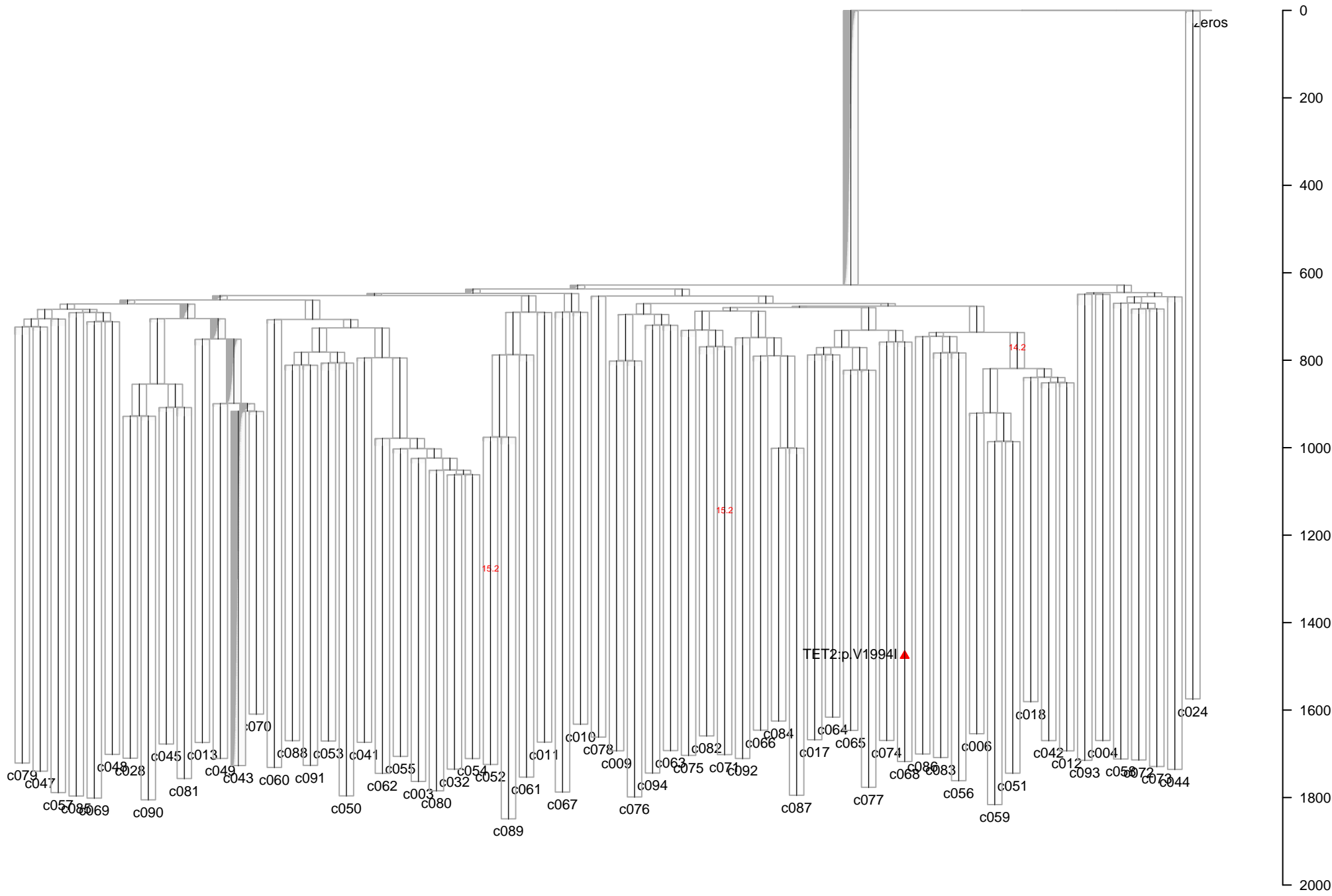
PD5147: Annotated with VAF from c013
Mean Depth=10.41



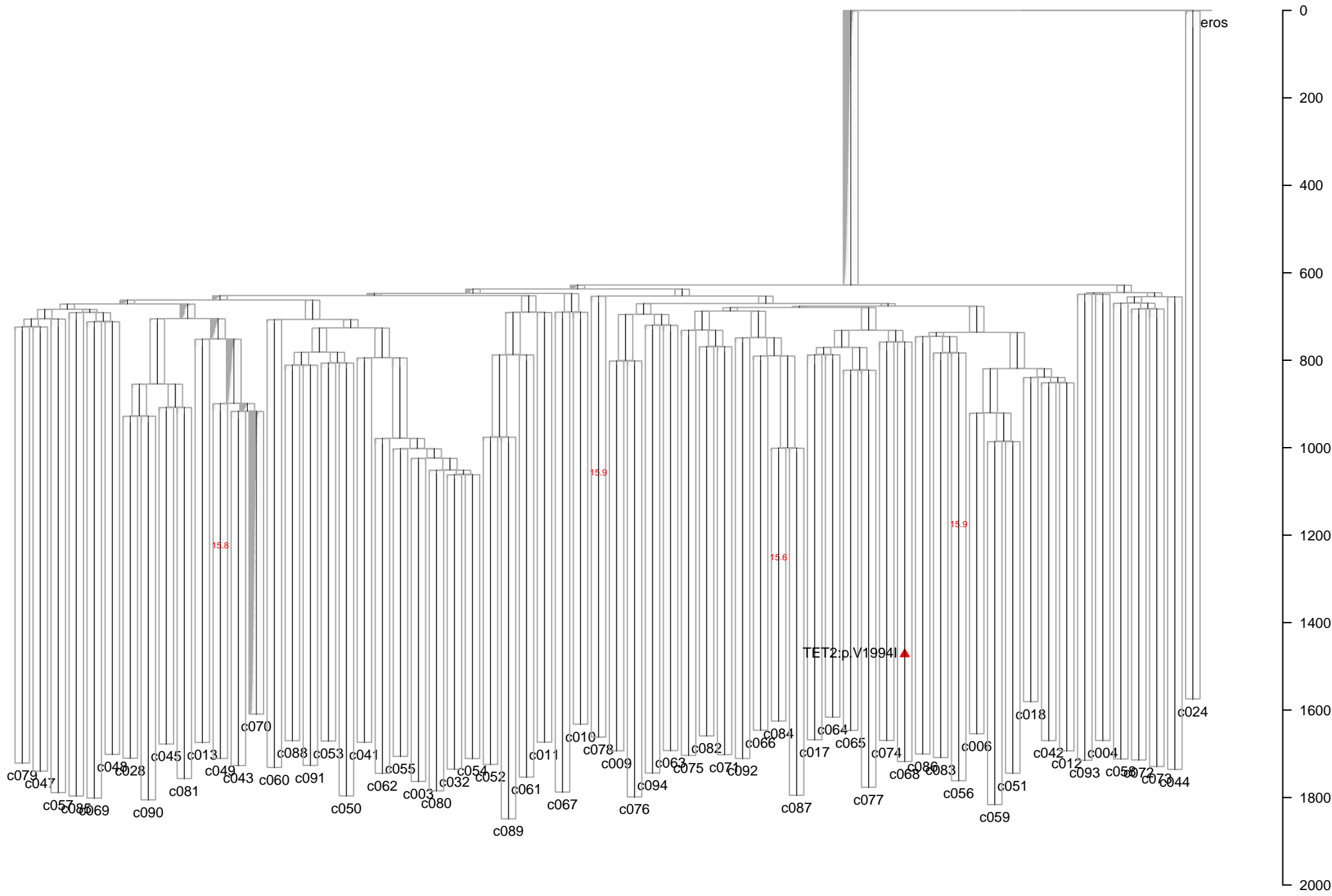
PD5147: Annotated with VAF from c049
Mean Depth=17.97



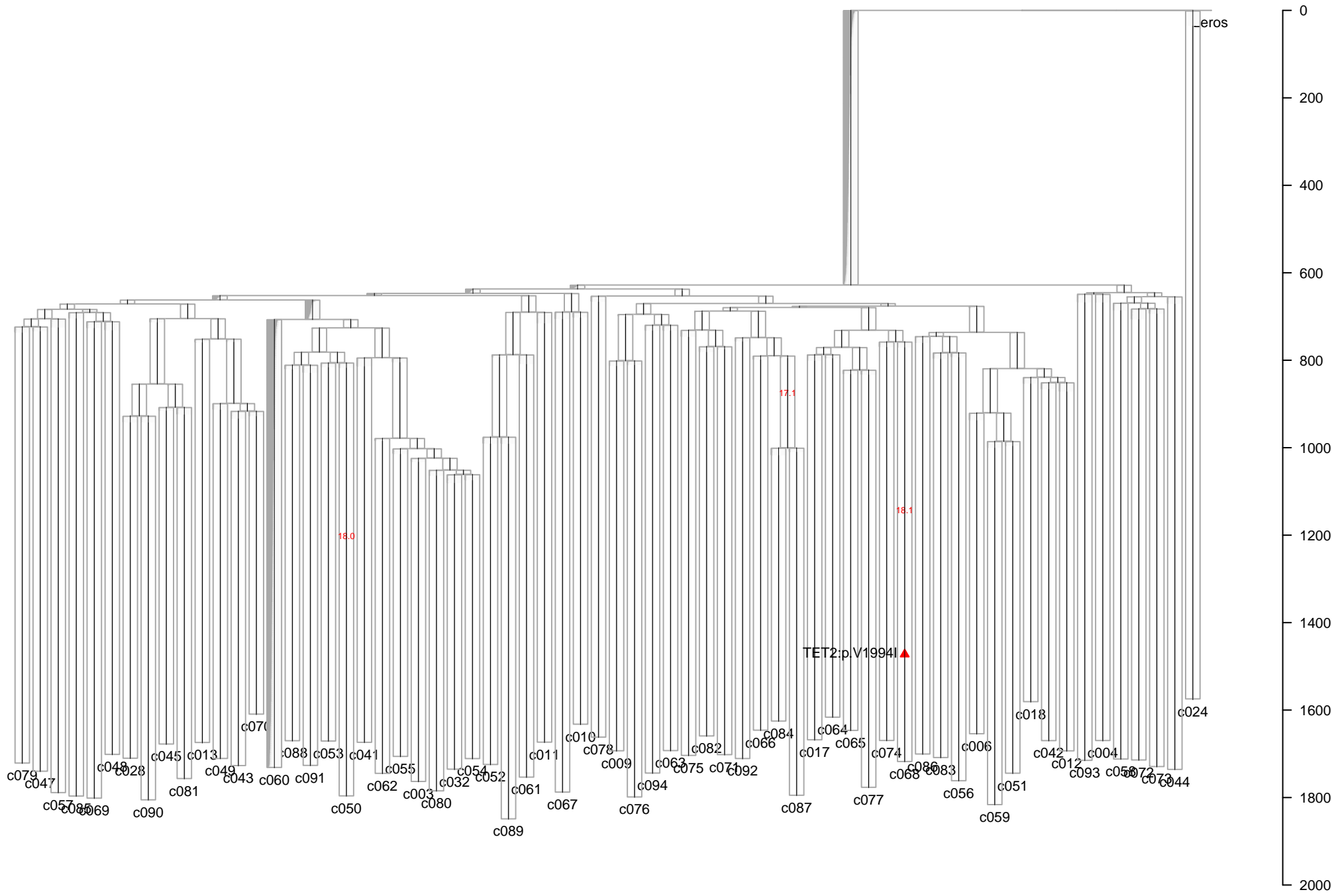
PD5147: Annotated with VAF from c043
Mean Depth=15.70



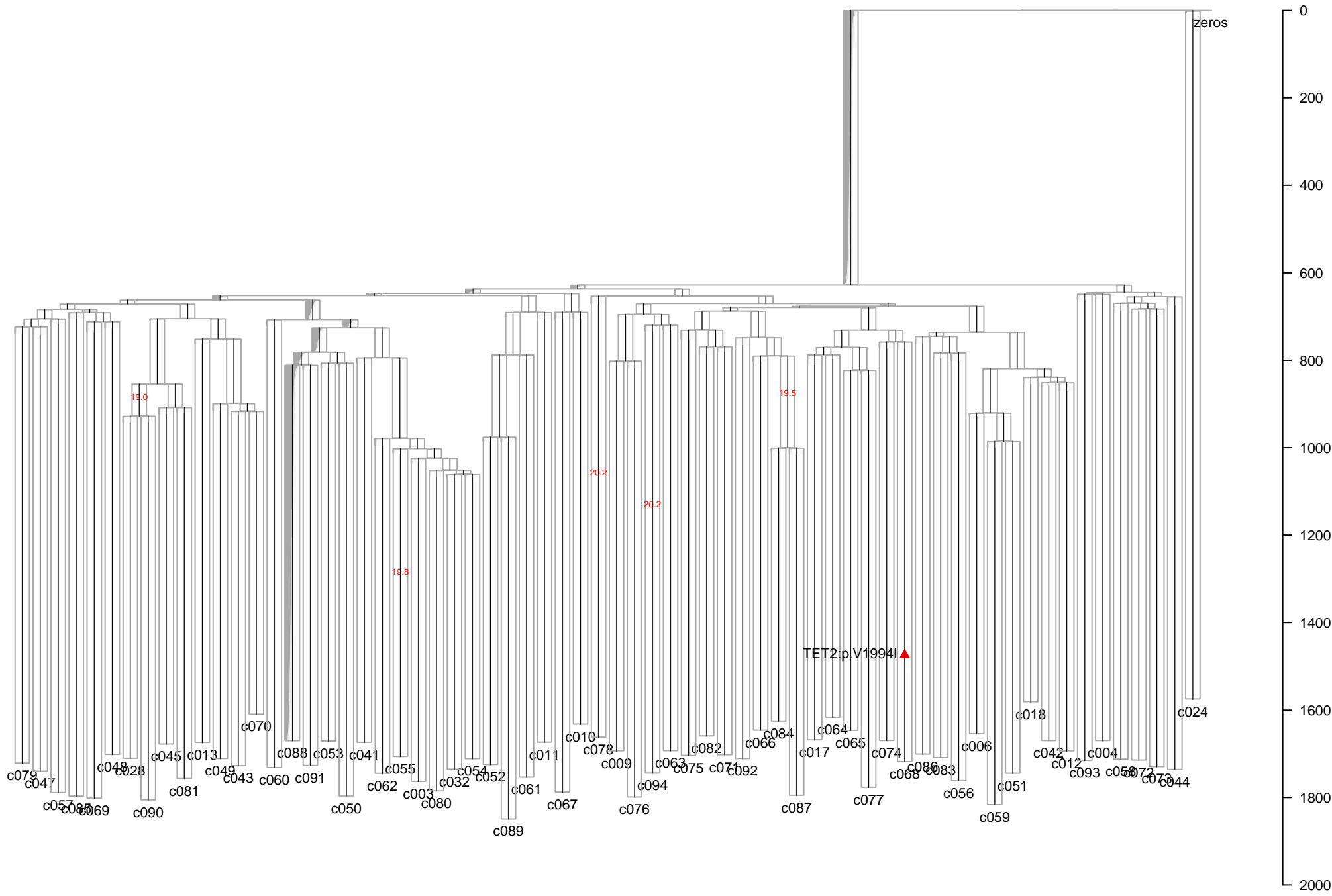
PD5147: Annotated with VAF from c070
Mean Depth=16.28



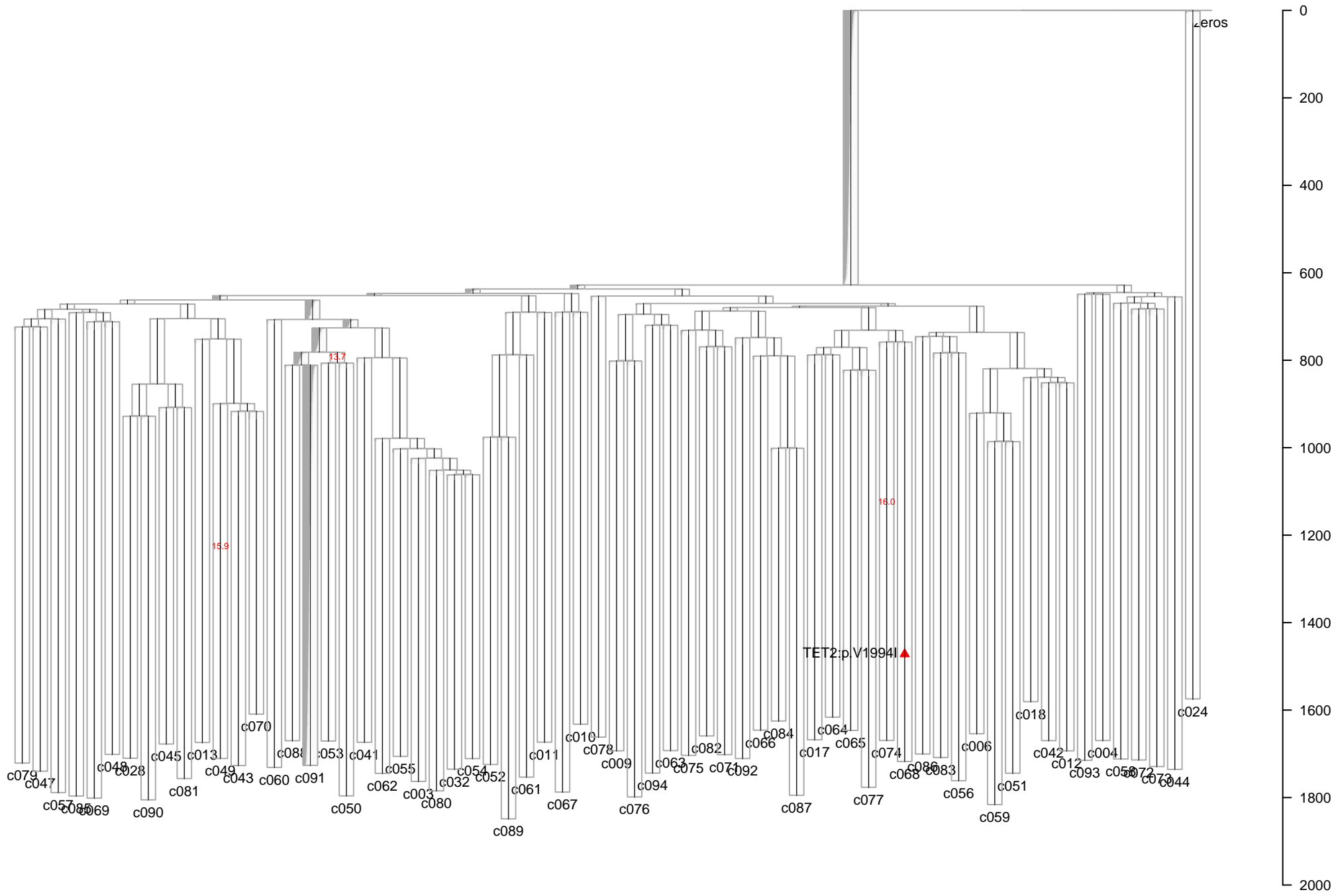
PD5147: Annotated with VAF from c060
Mean Depth=18.58



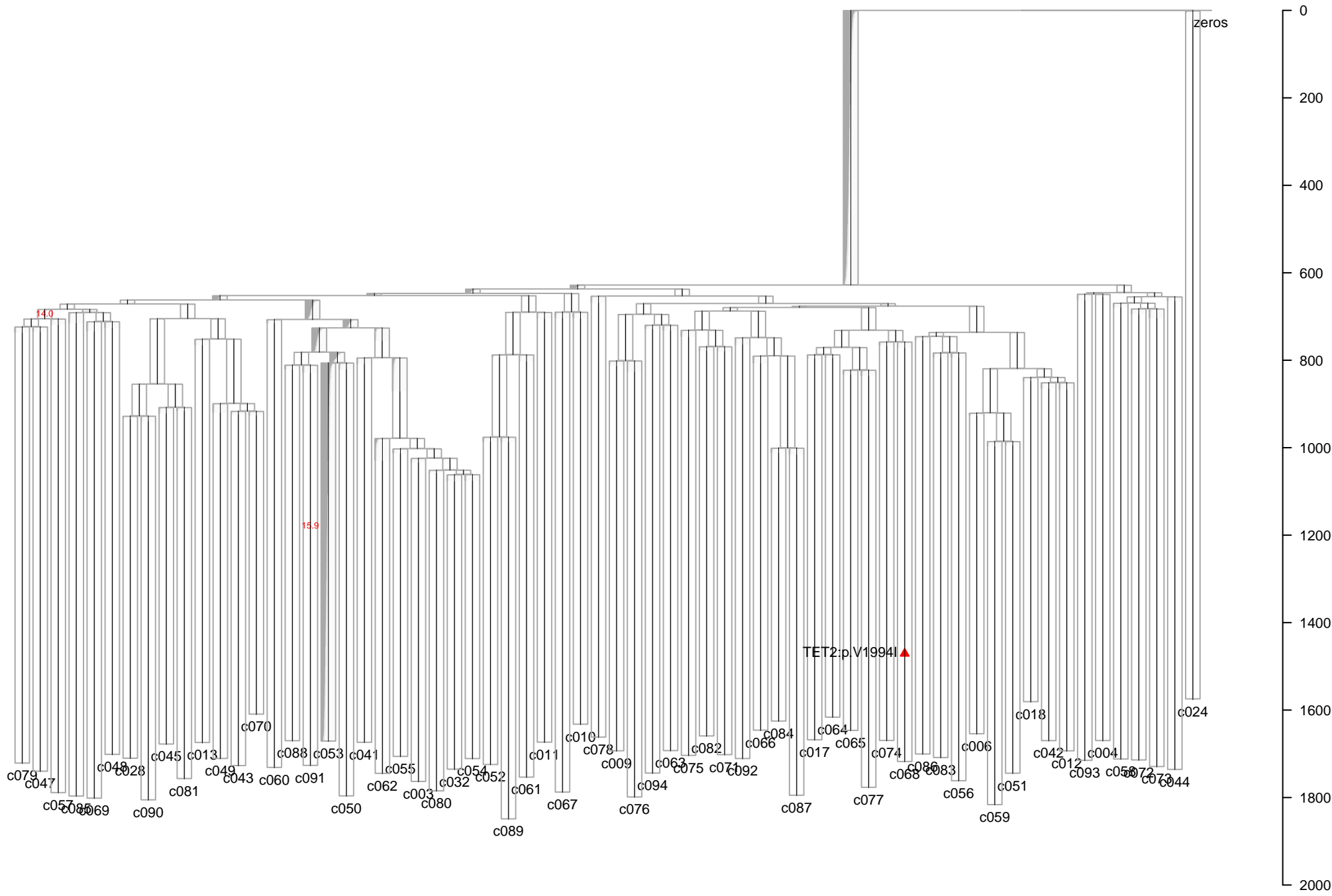
PD5147: Annotated with VAF from c088
Mean Depth=20.66



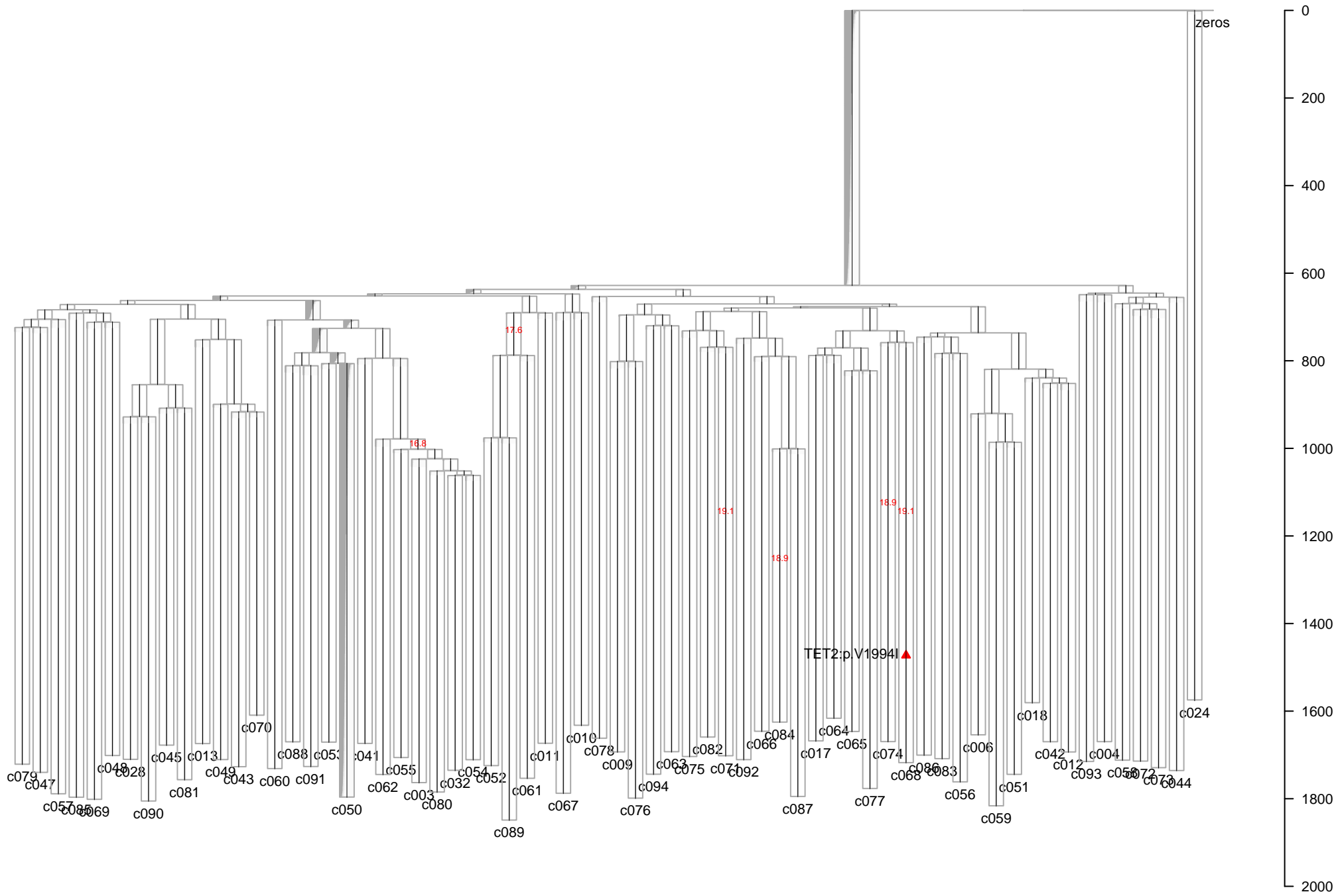
PD5147: Annotated with VAF from c091
Mean Depth=16.40



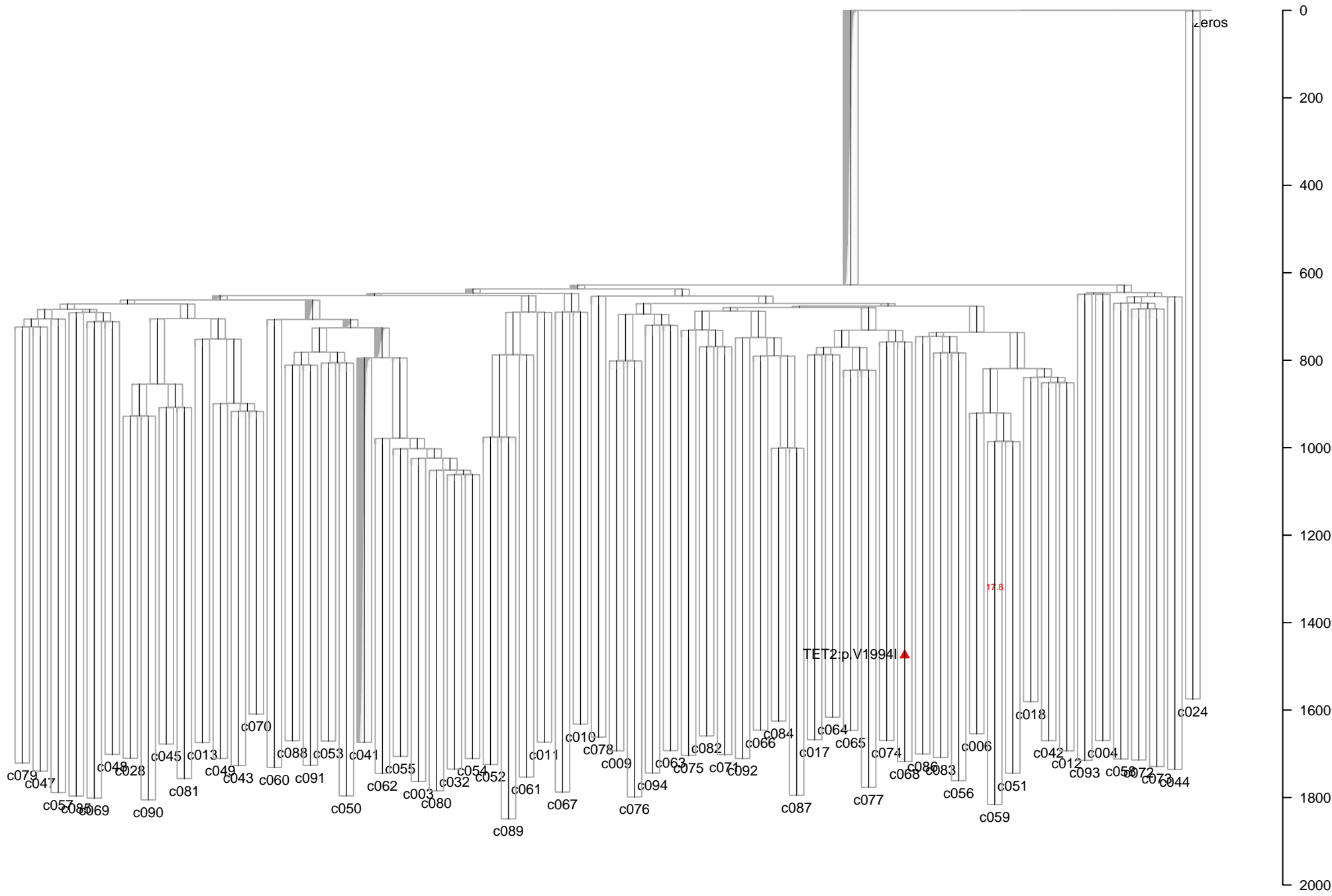
PD5147: Annotated with VAF from c053
Mean Depth=16.49



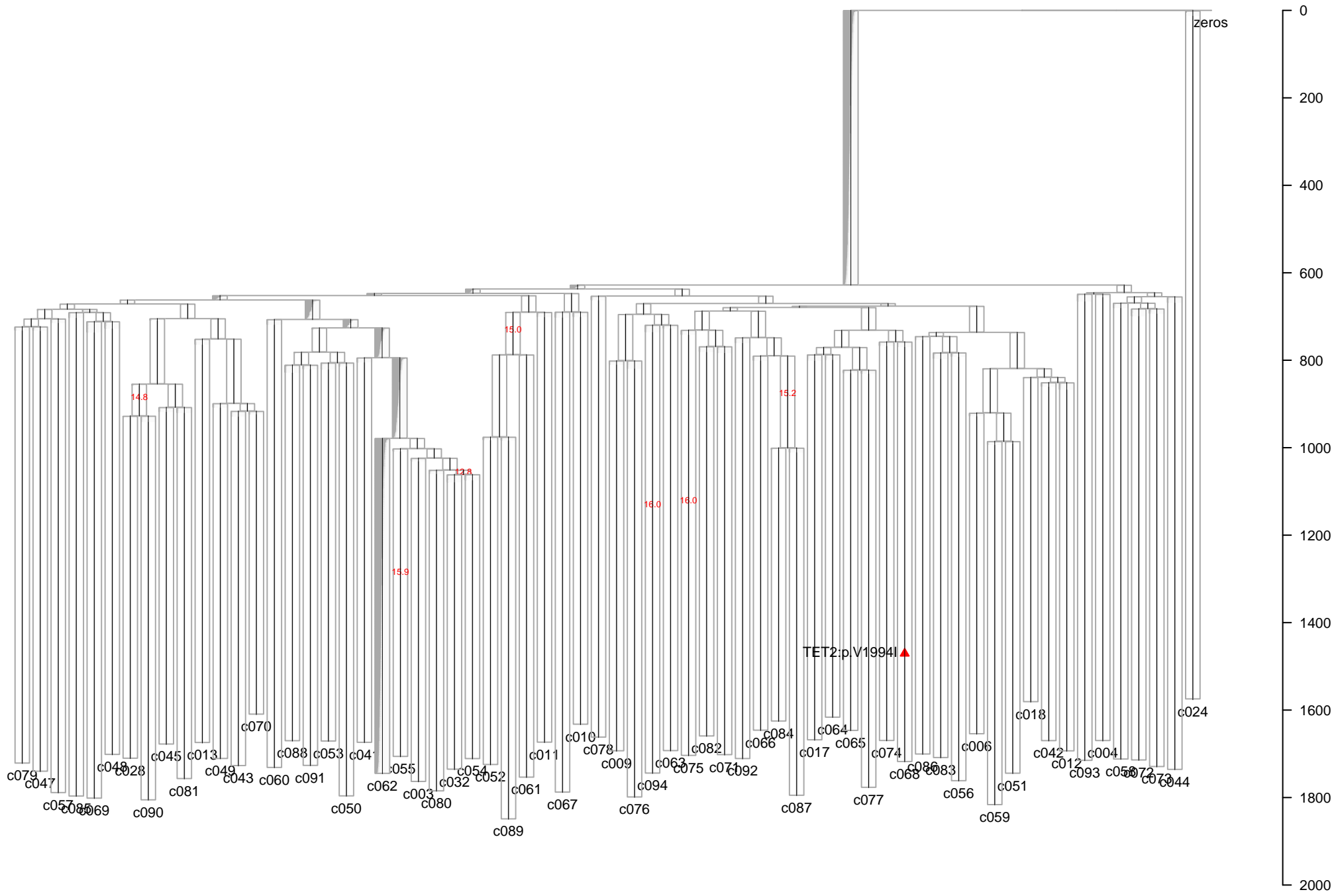
PD5147: Annotated with VAF from c050
Mean Depth=19.52



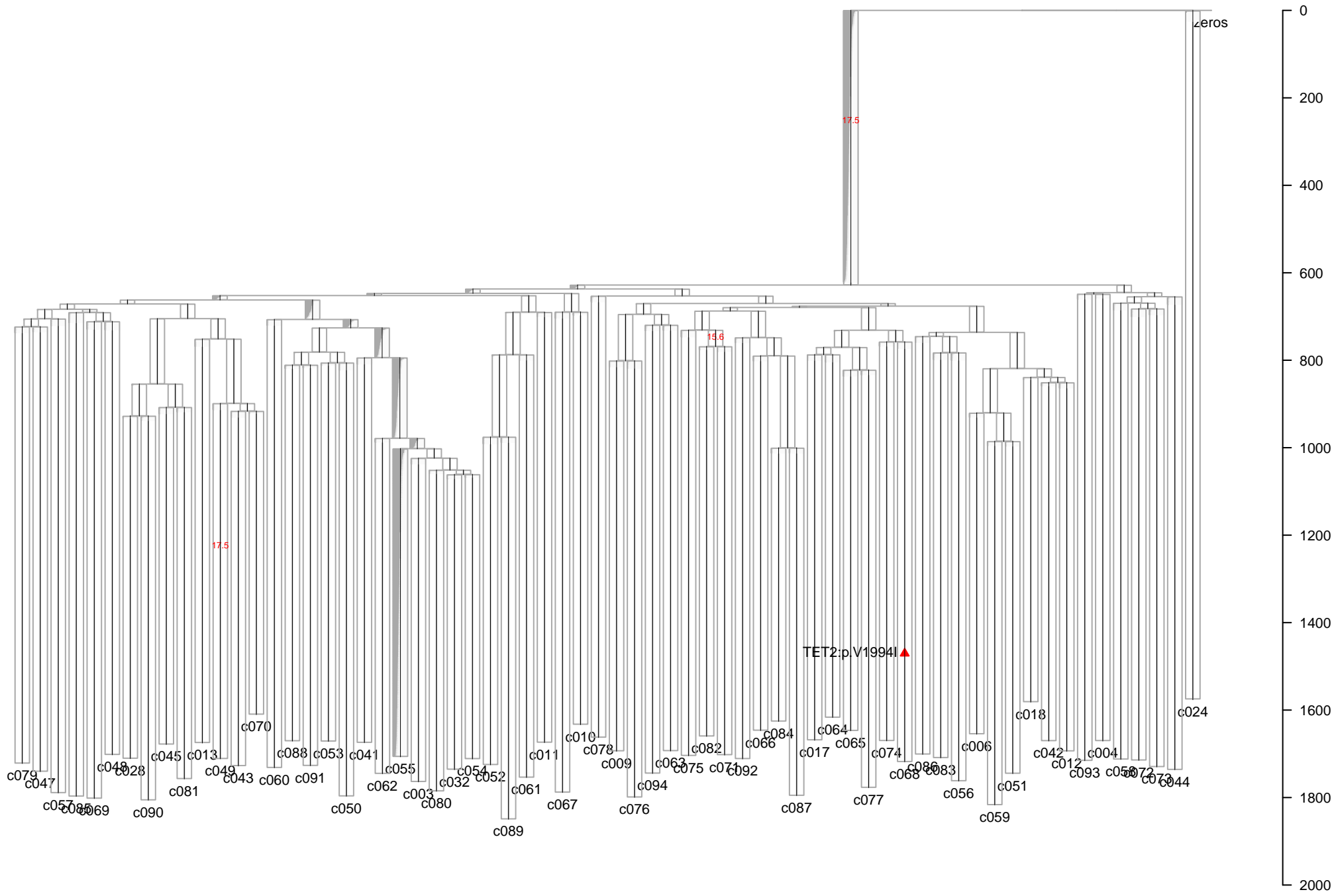
PD5147: Annotated with VAF from c041
Mean Depth=18.24



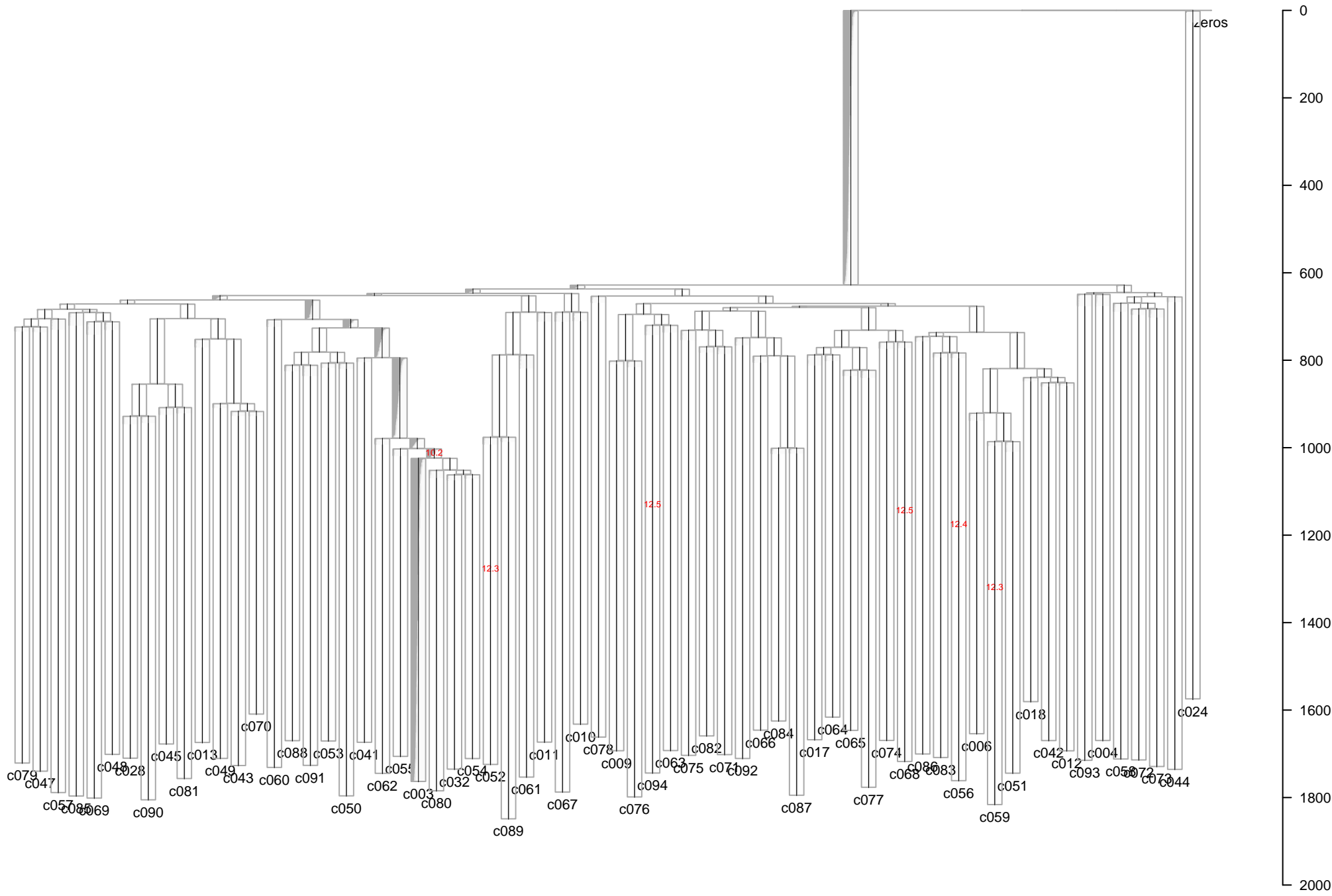
PD5147: Annotated with VAF from c062
Mean Depth=16.45



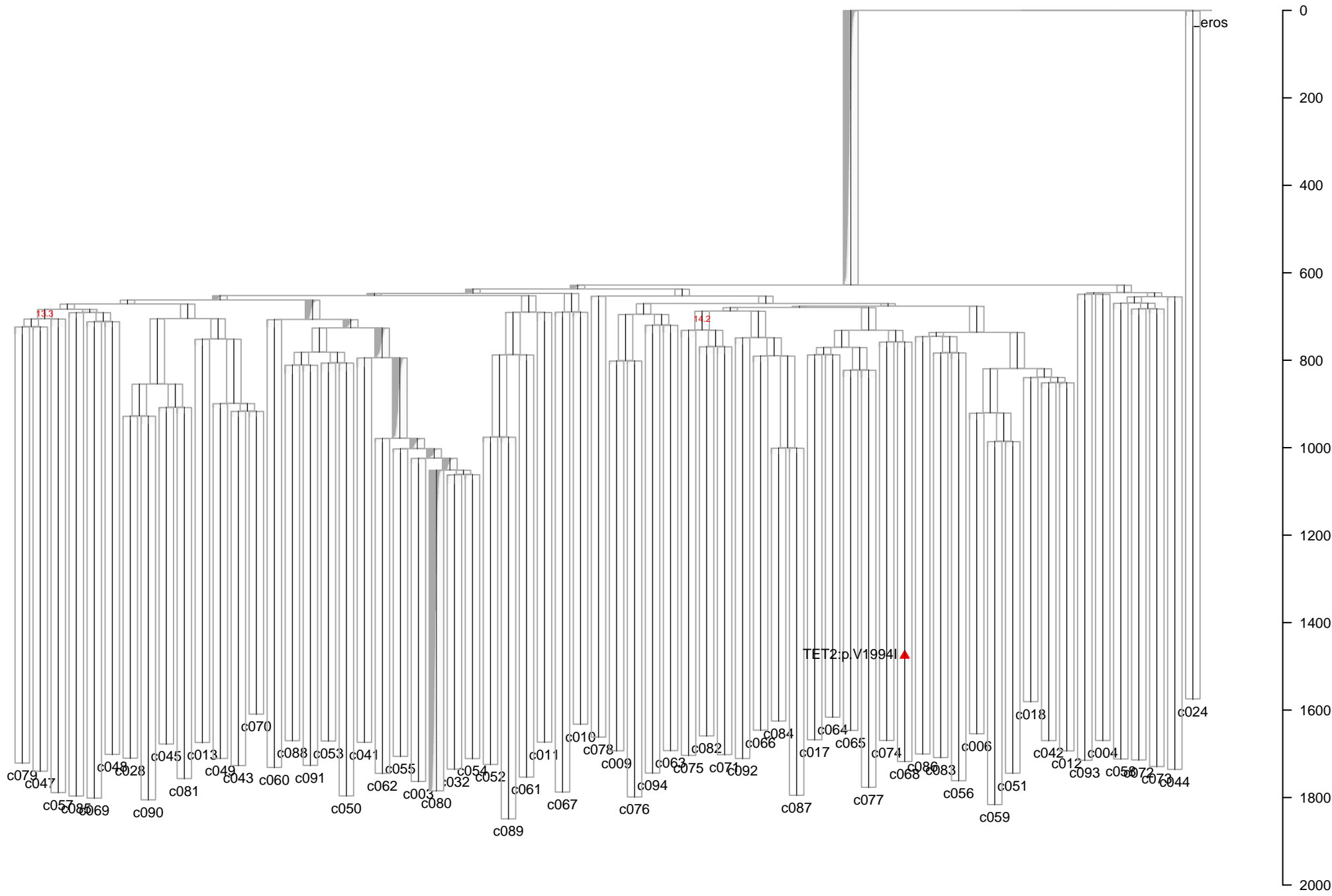
PD5147: Annotated with VAF from c055
Mean Depth=17.99



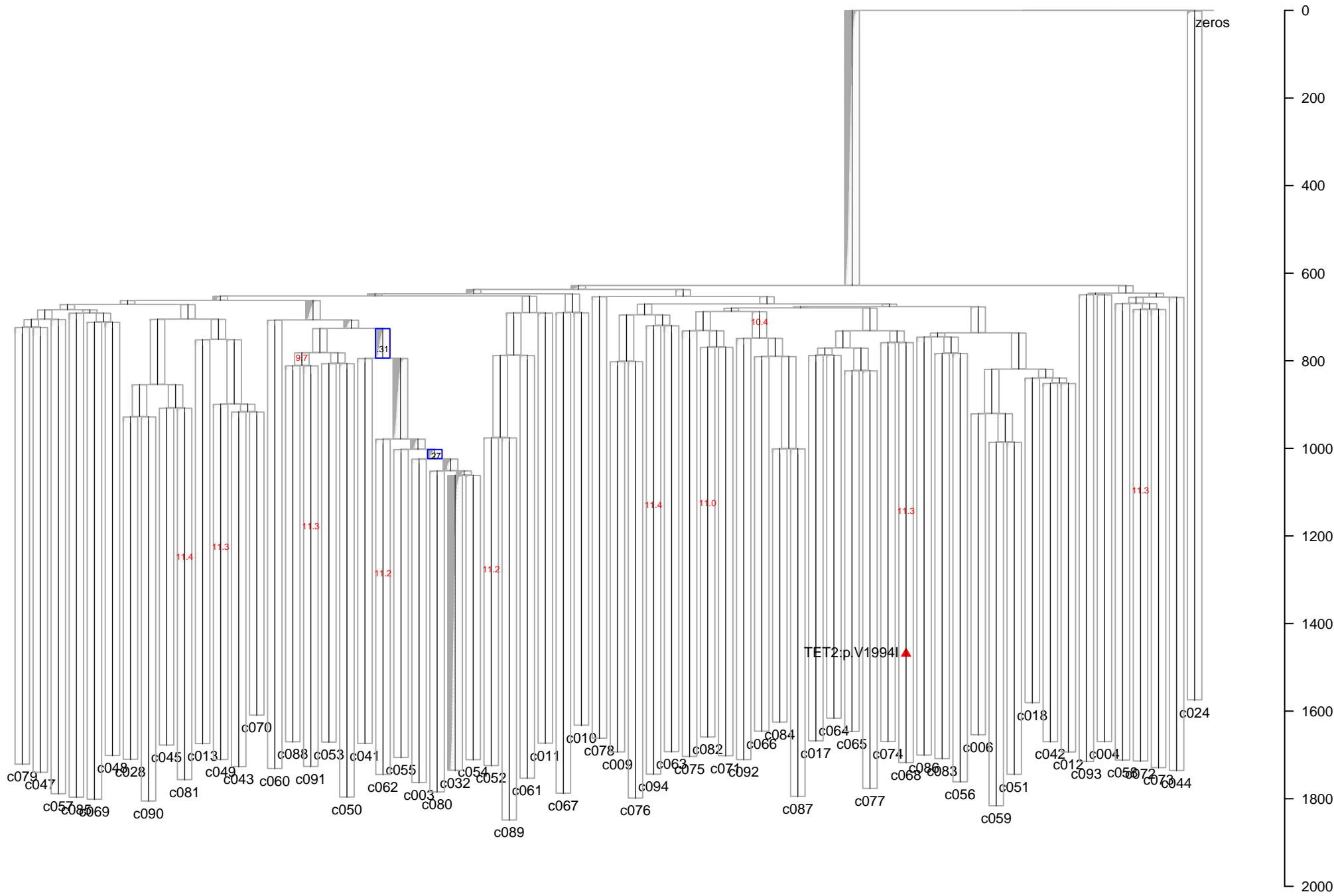
PD5147: Annotated with VAF from c003
Mean Depth=12.81



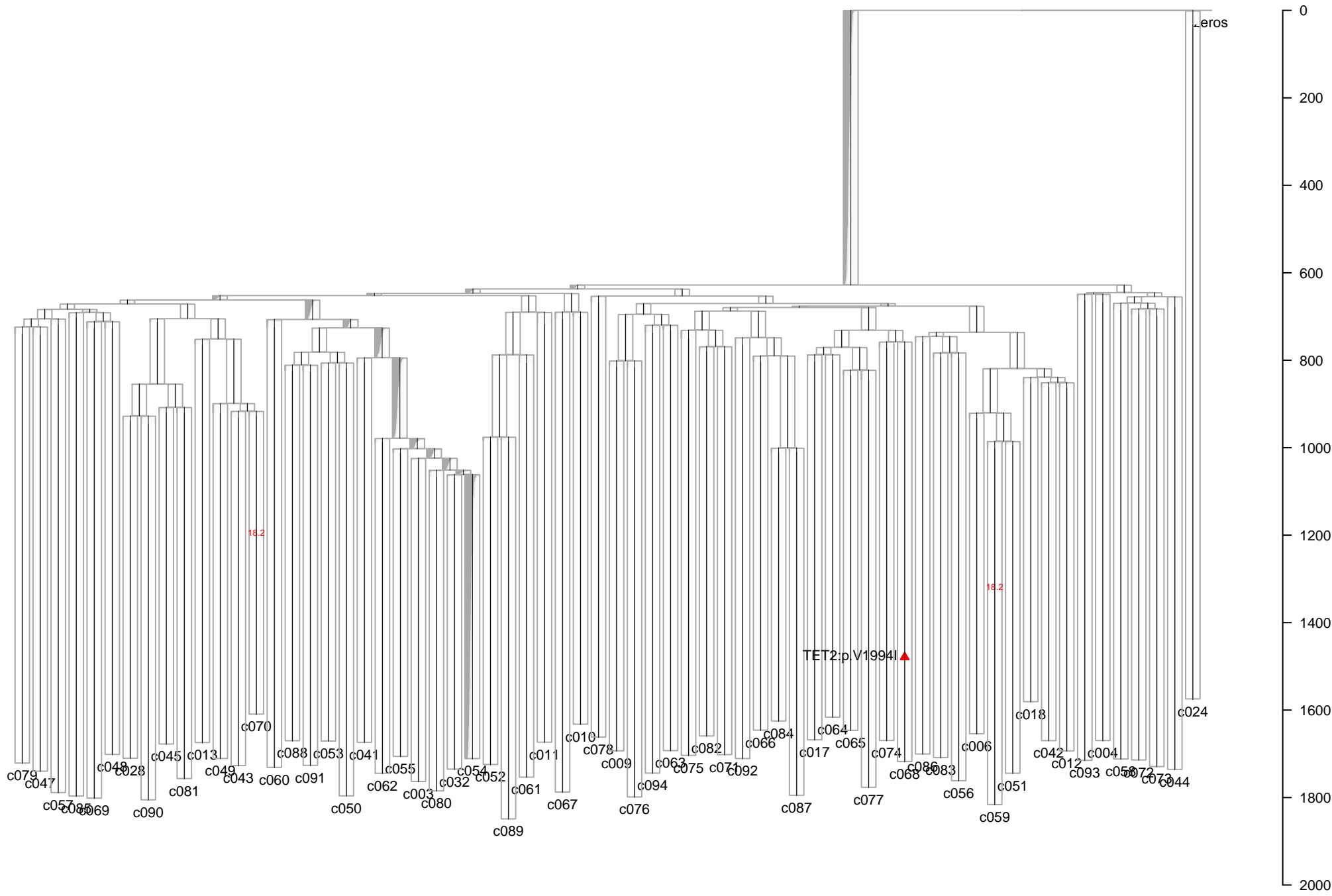
PD5147: Annotated with VAF from c080
Mean Depth=15.98



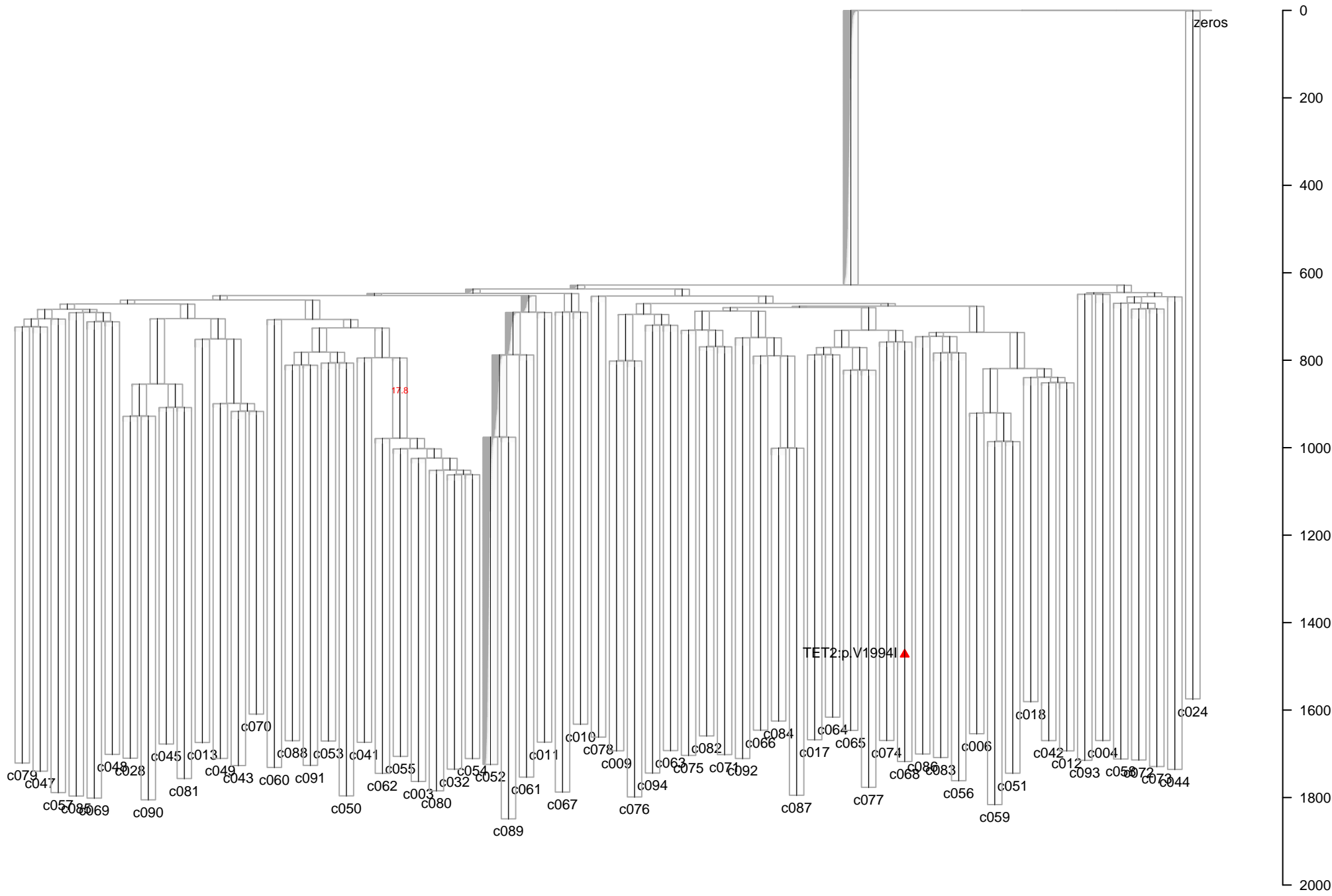
PD5147: Annotated with VAF from c032
Mean Depth=11.74



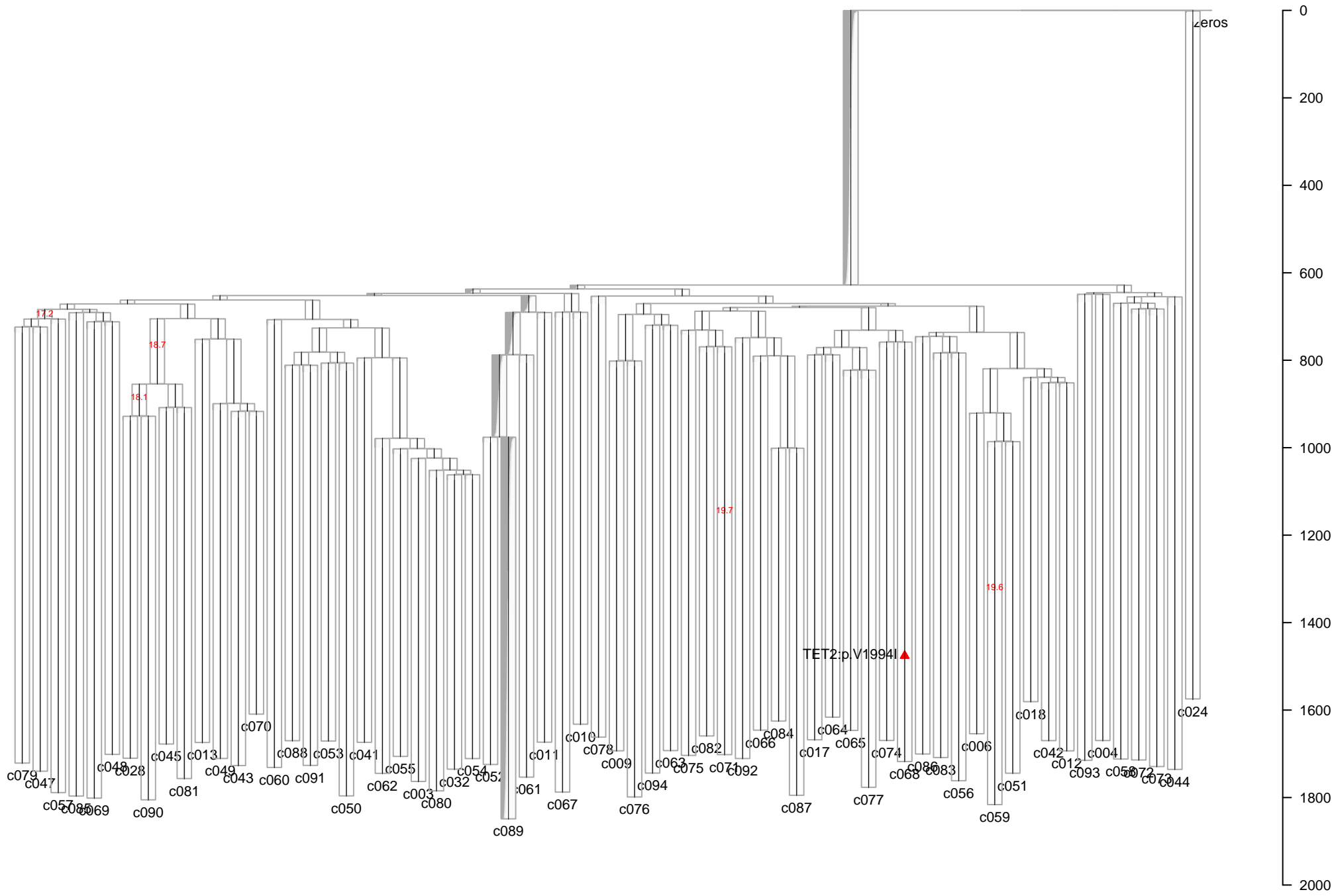
PD5147: Annotated with VAF from c054
Mean Depth=18.82



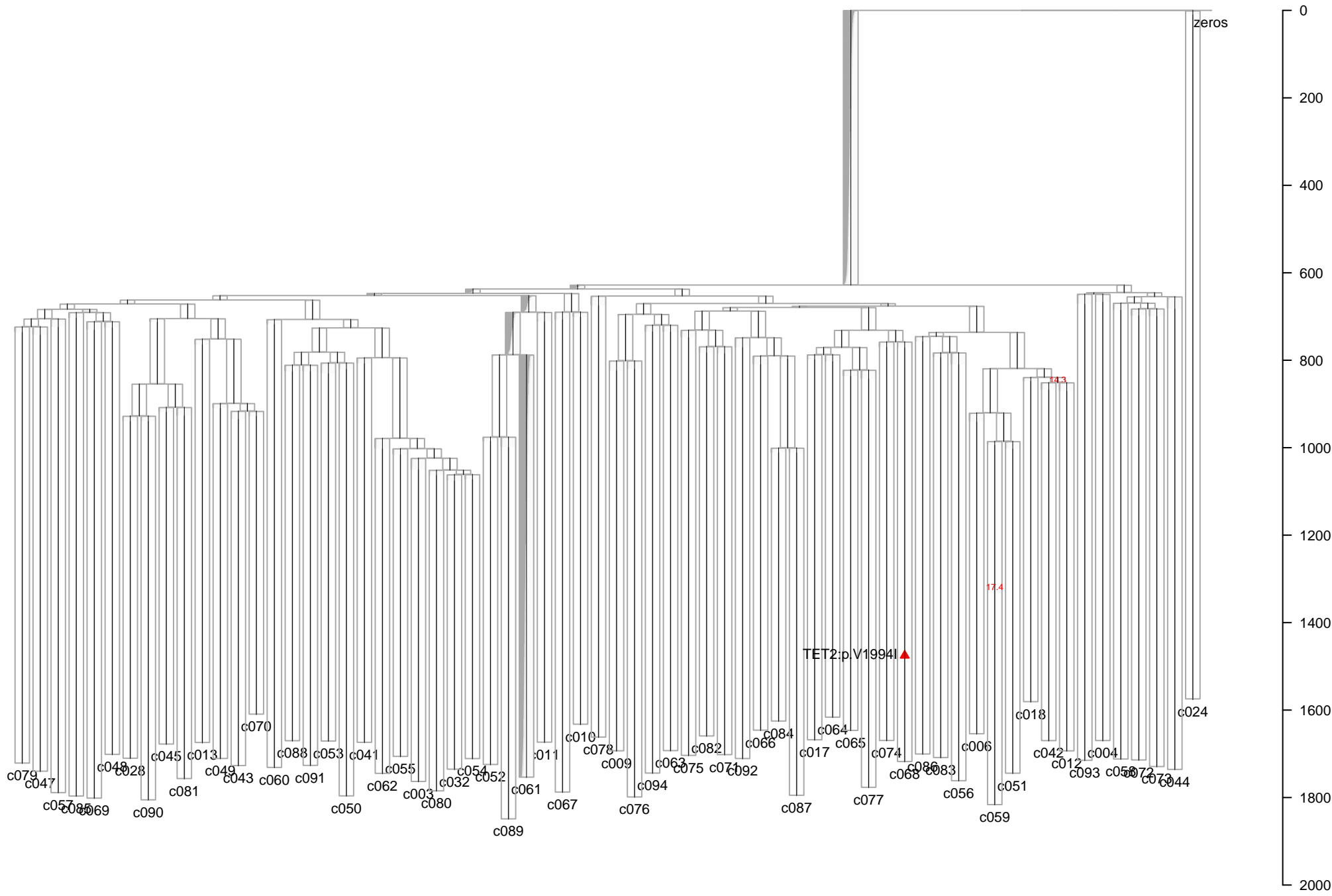
PD5147: Annotated with VAF from c052
Mean Depth=18.95



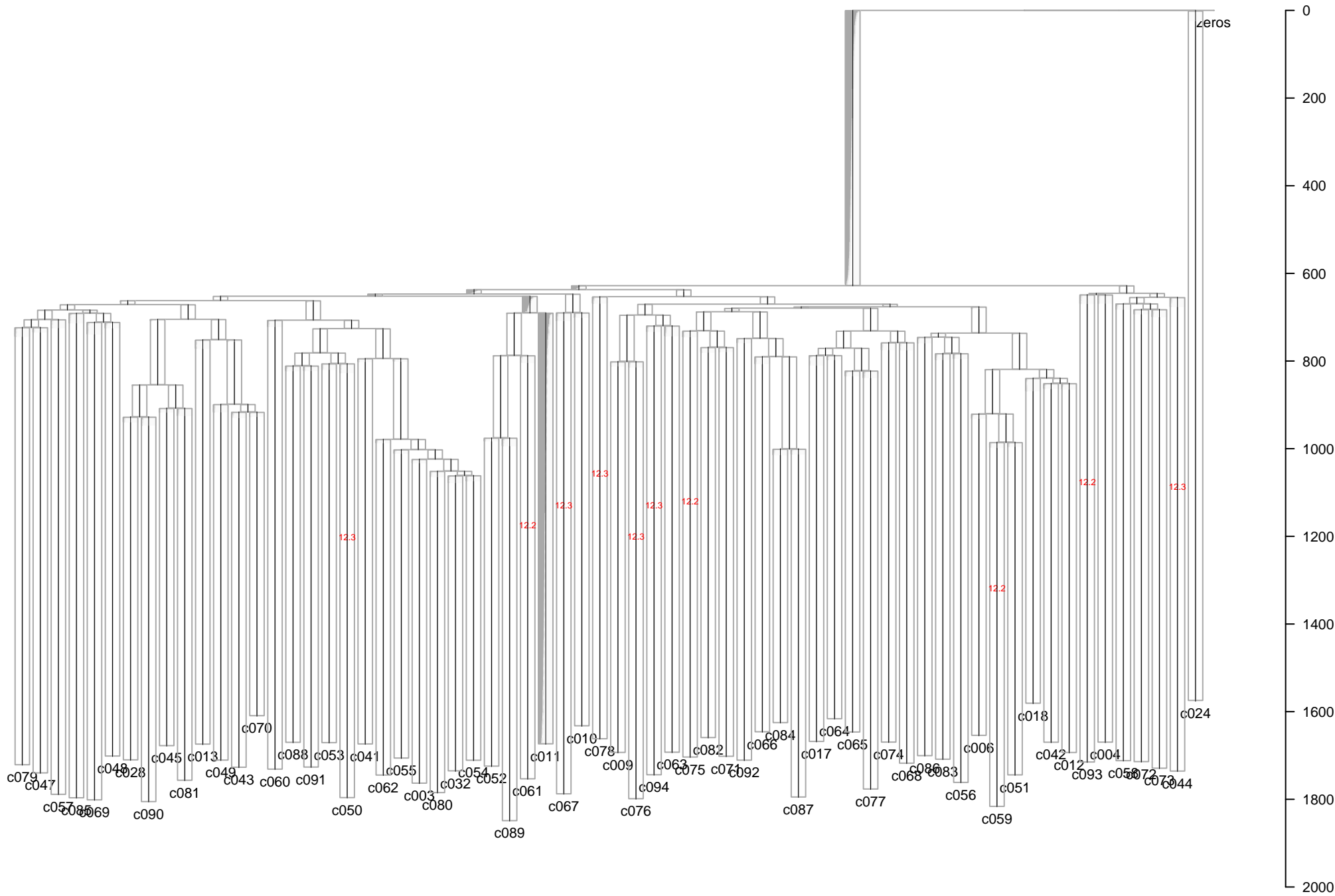
PD5147: Annotated with VAF from c089
Mean Depth=20.16



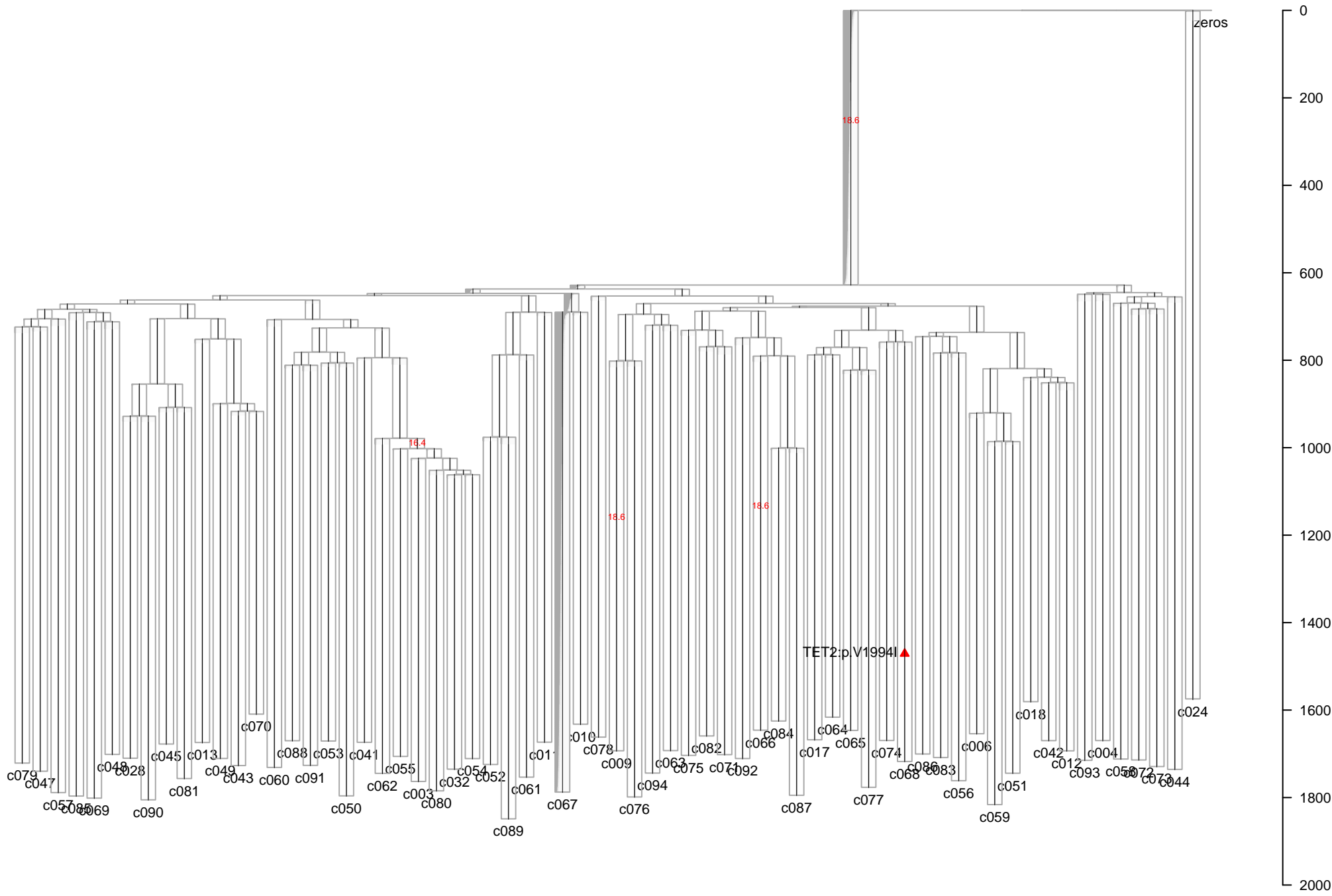
Mean Depth=17.91



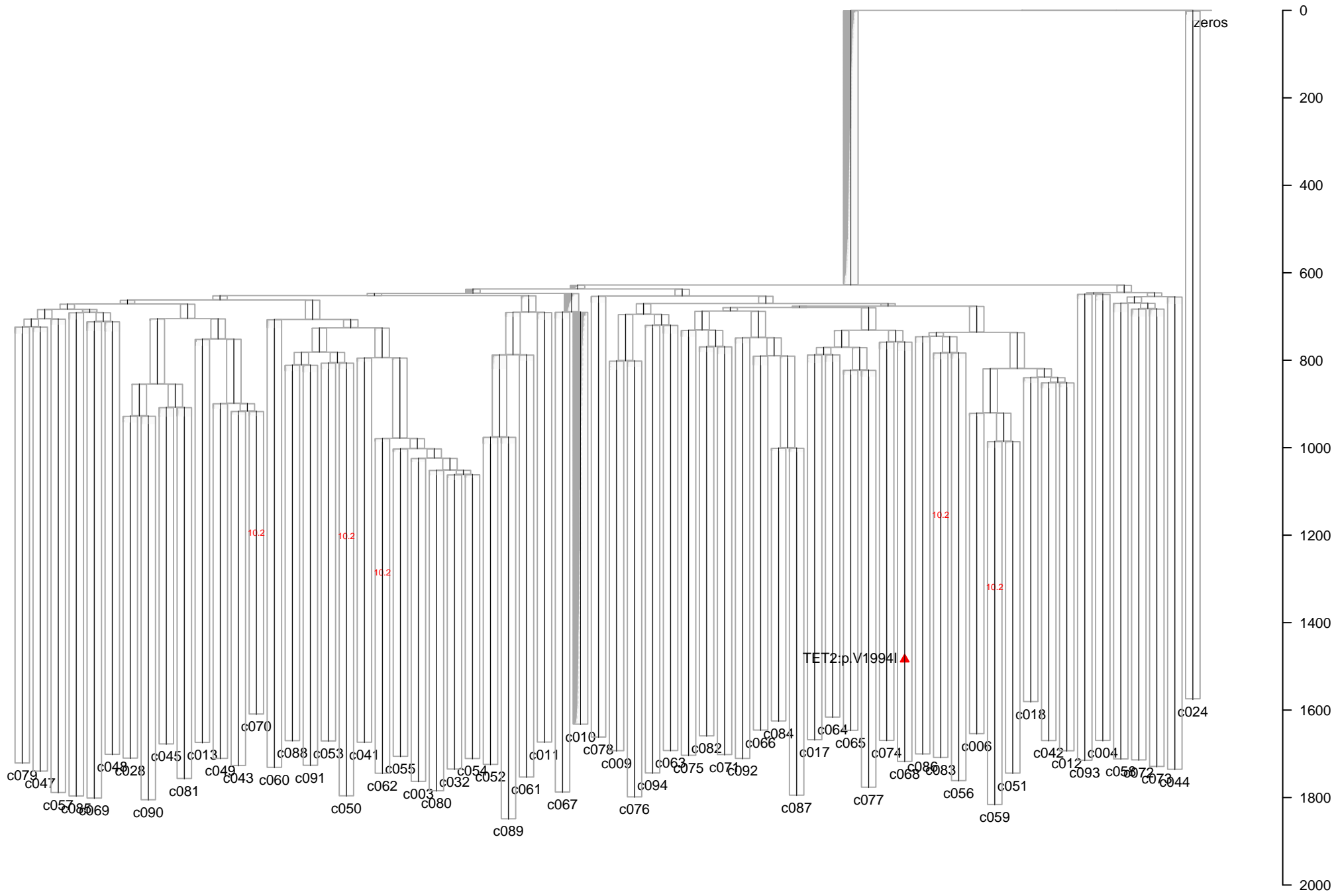
PD5147: Annotated with VAF from c011
Mean Depth=12.69



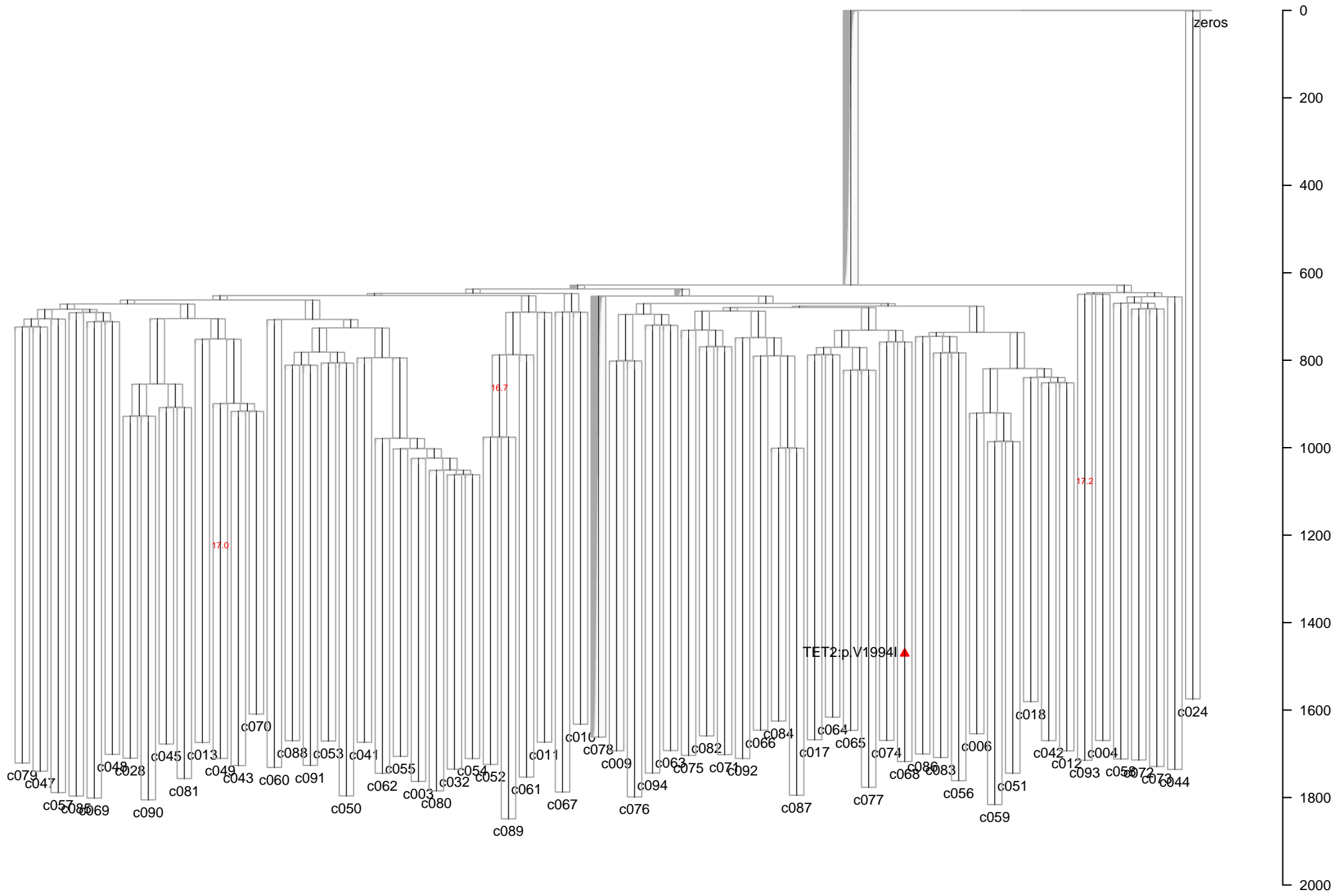
PD5147: Annotated with VAF from c067
Mean Depth=19.15



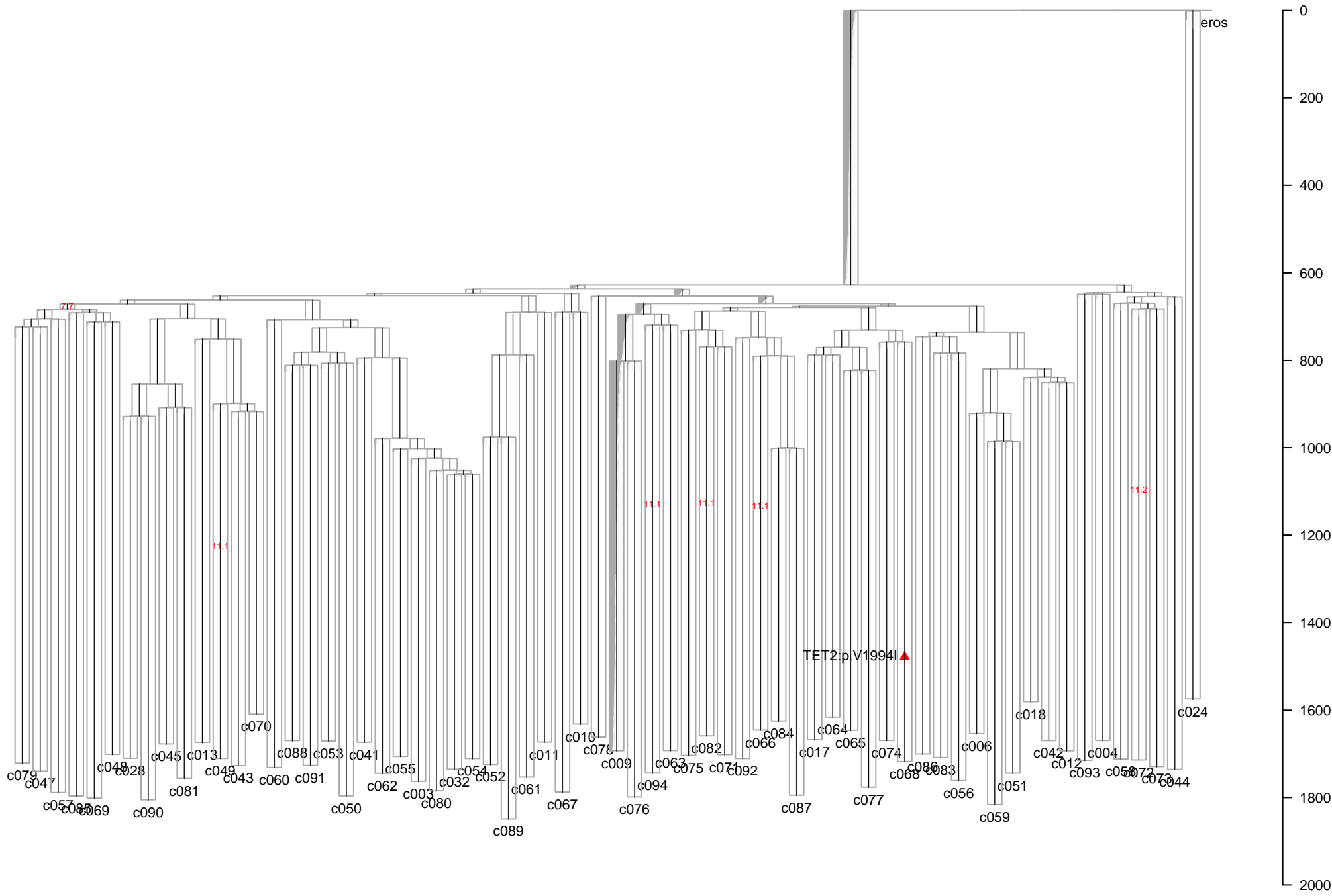
PD5147: Annotated with VAF from c010
Mean Depth=10.64



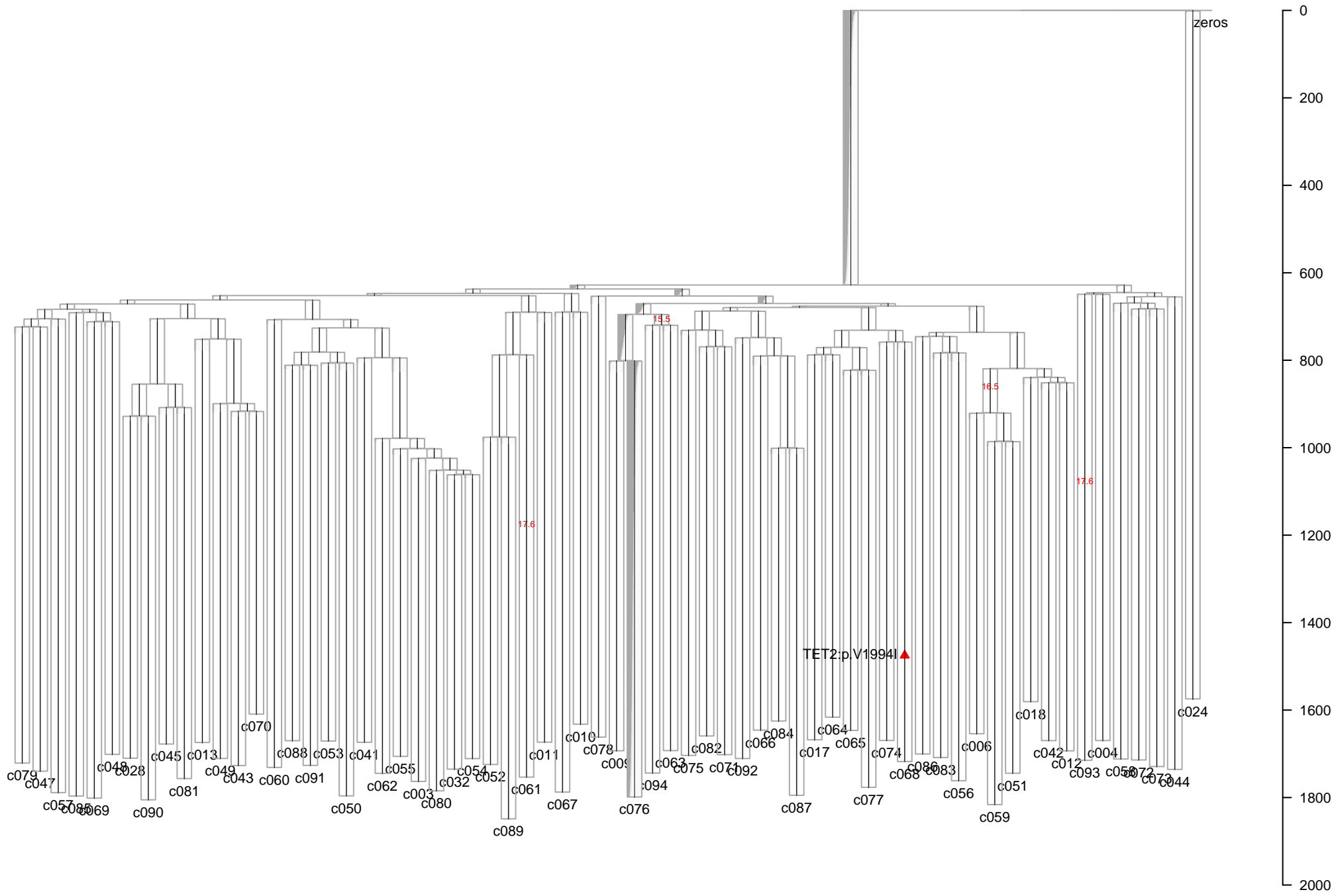
PD5147: Annotated with VAF from c078
Mean Depth=17.64



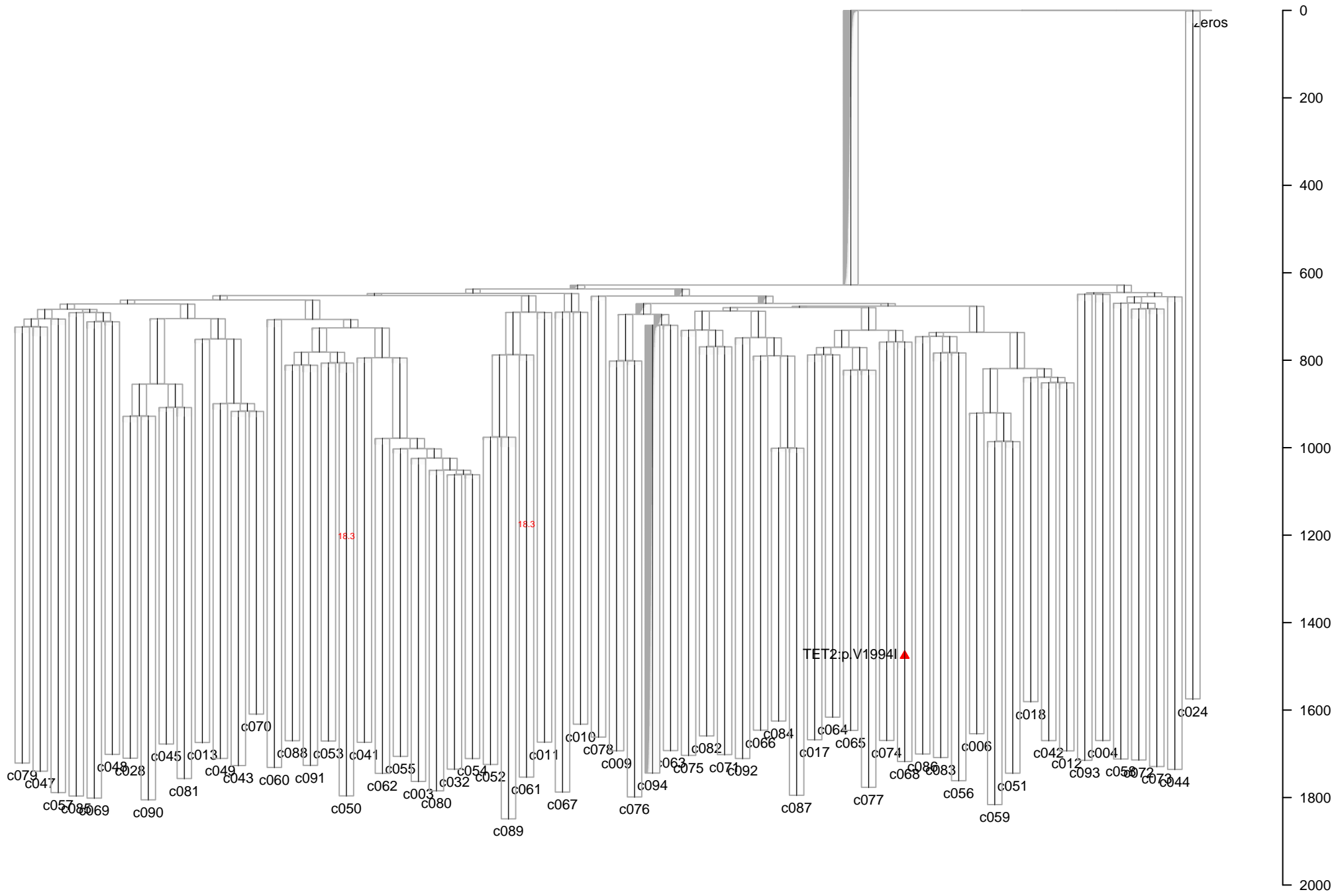
PD5147: Annotated with VAF from c009
Mean Depth=11.54



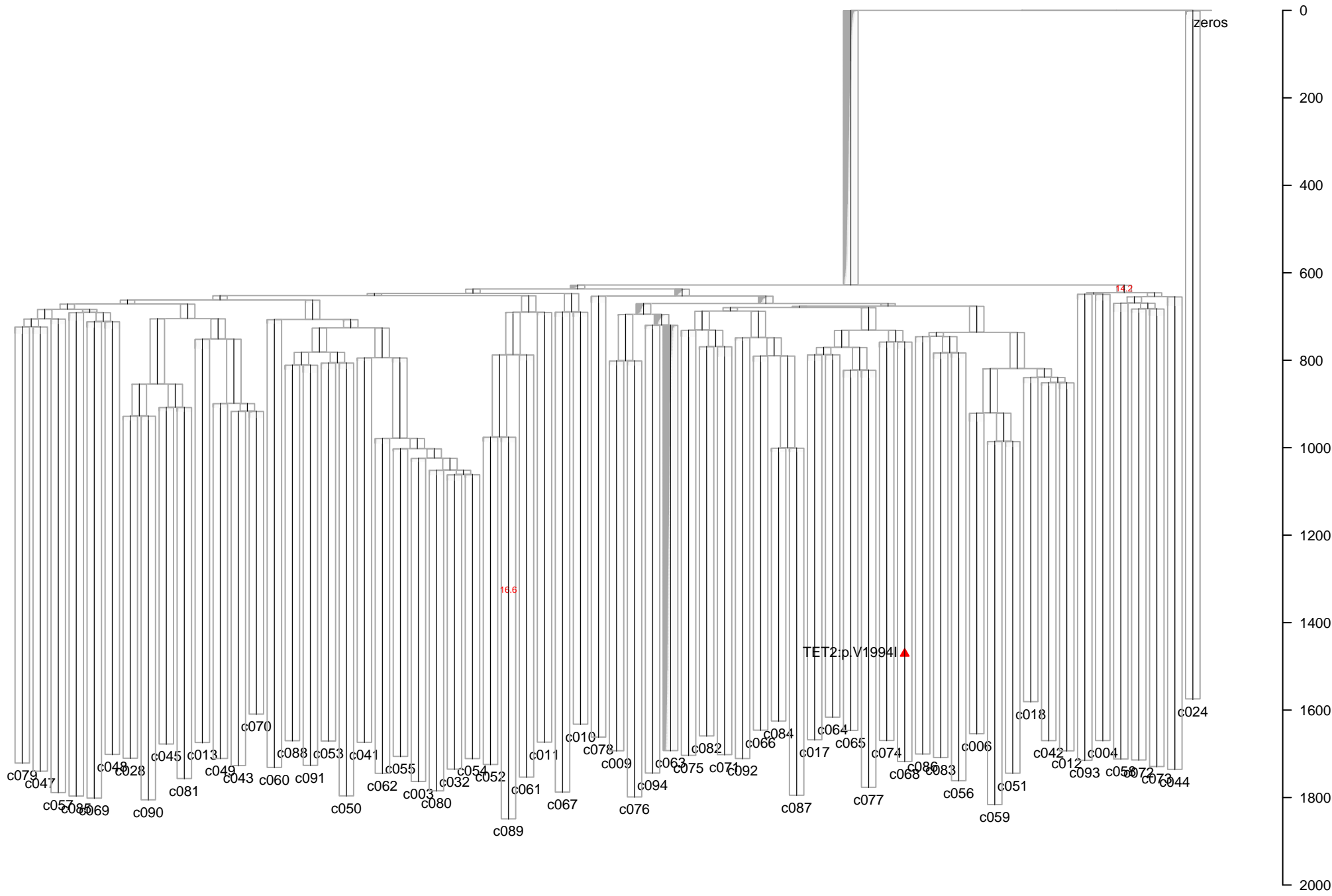
PD5147: Annotated with VAF from c076
Mean Depth=18.00



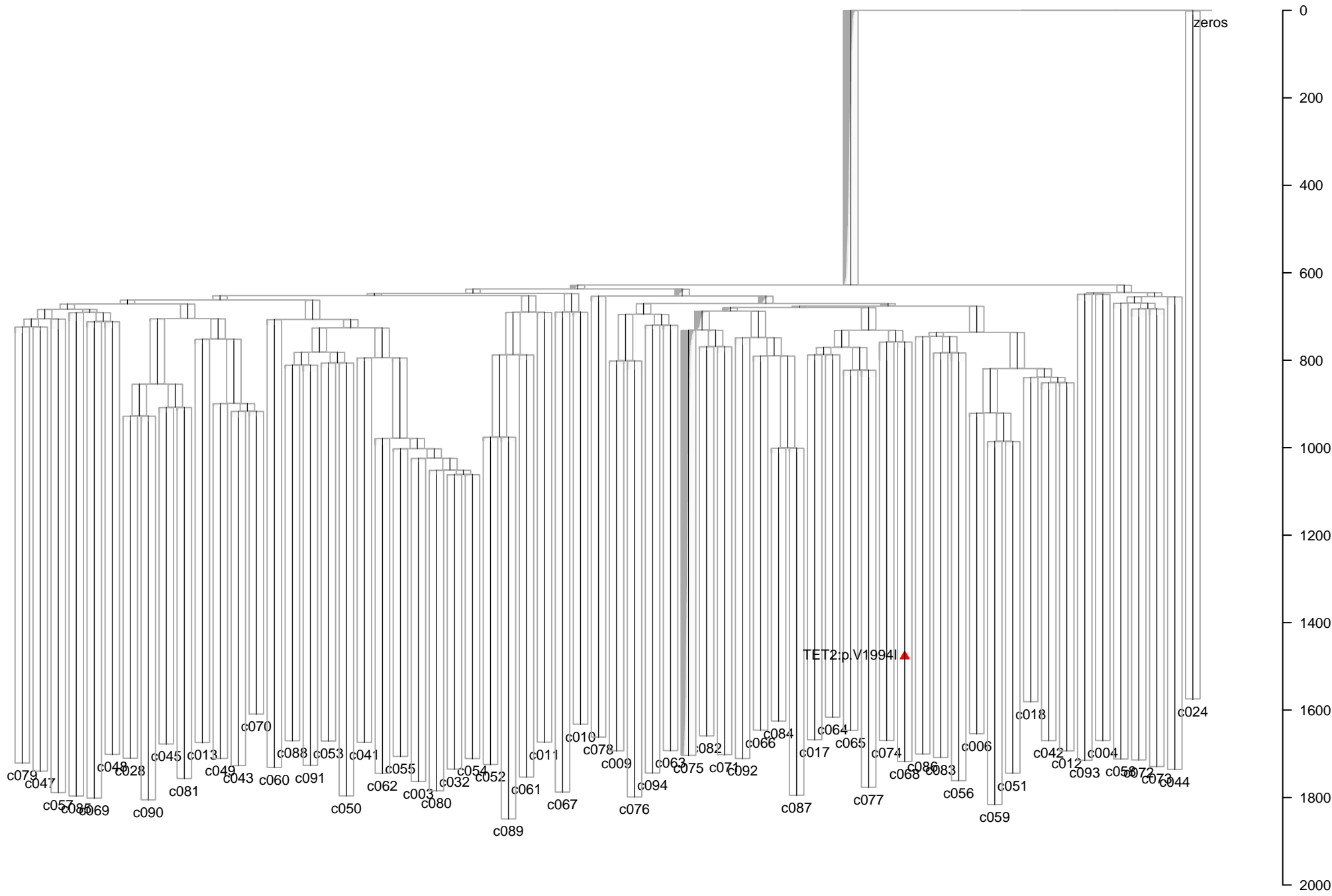
PD5147: Annotated with VAF from c094
Mean Depth=18.75



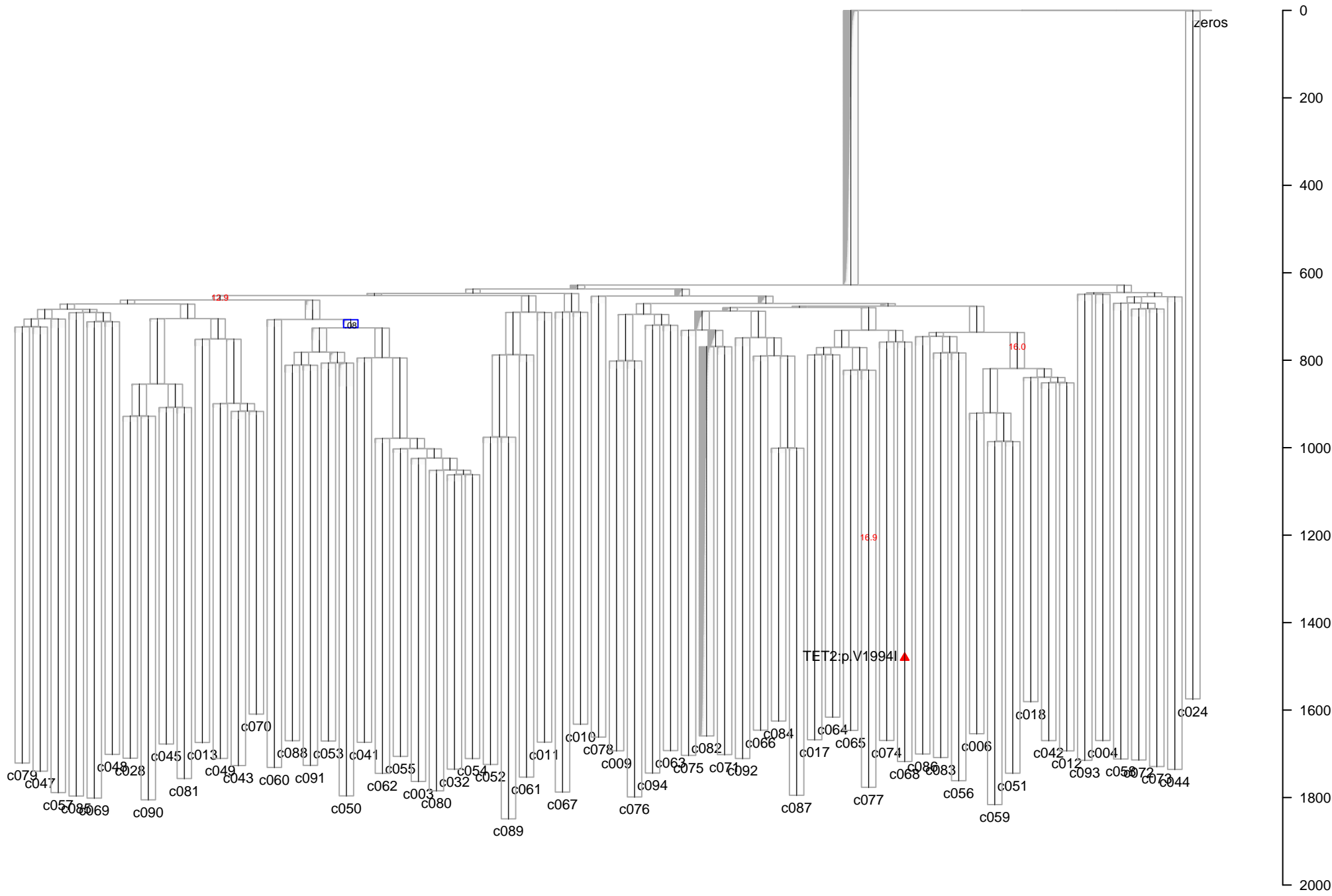
PD5147: Annotated with VAF from c063
Mean Depth=17.04



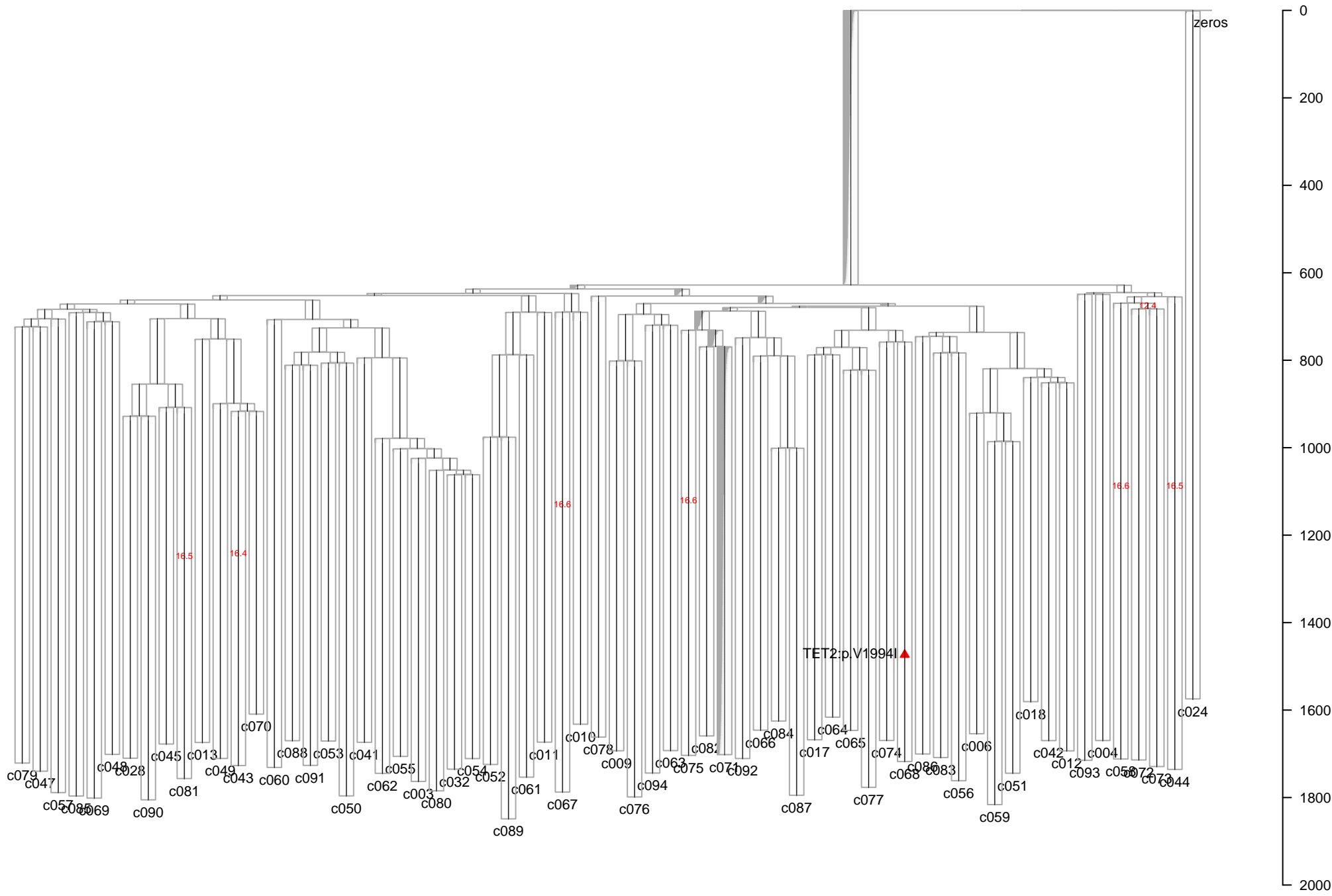
PD5147: Annotated with VAF from c075
Mean Depth=17.49



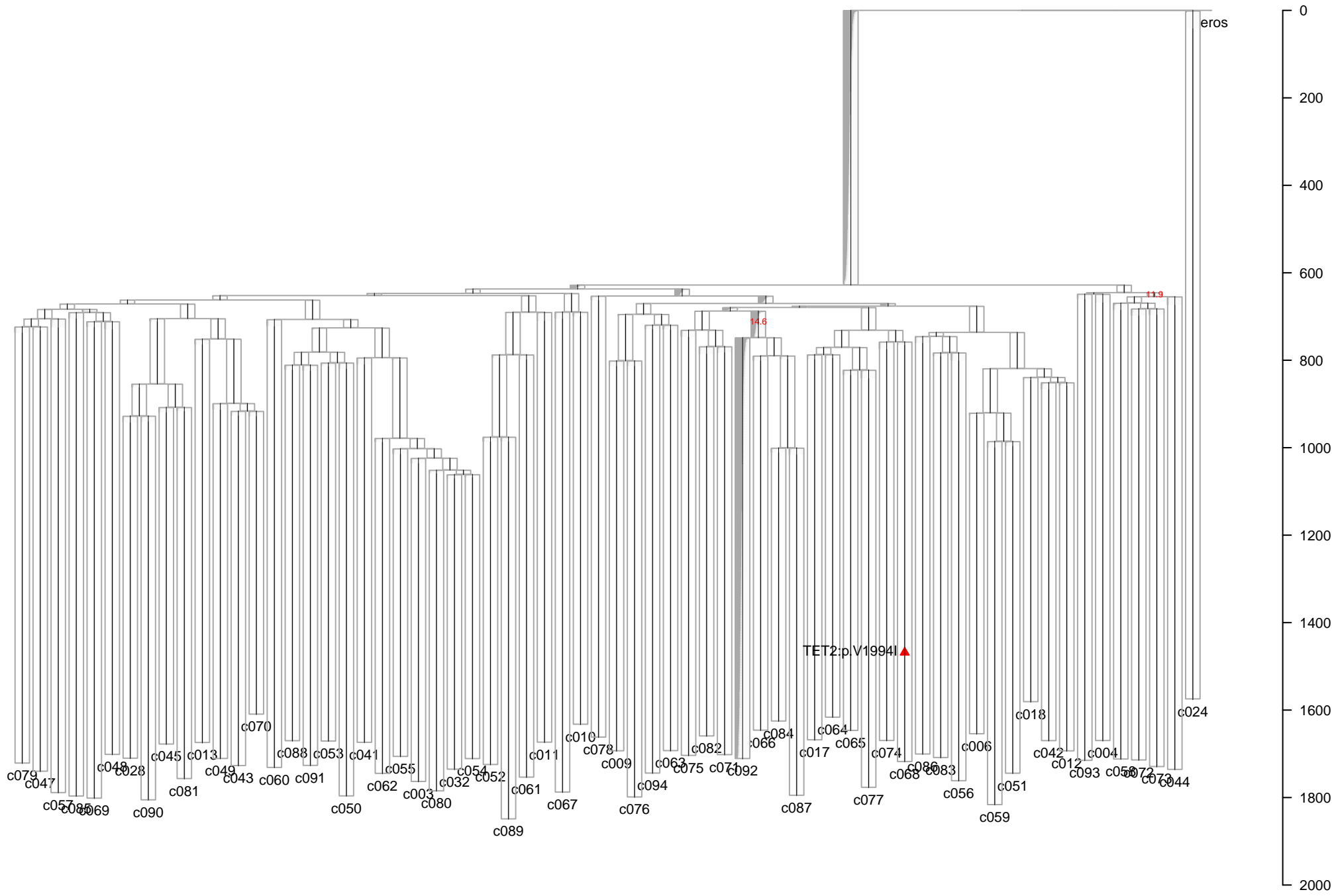
PD5147: Annotated with VAF from c082
Mean Depth=17.26



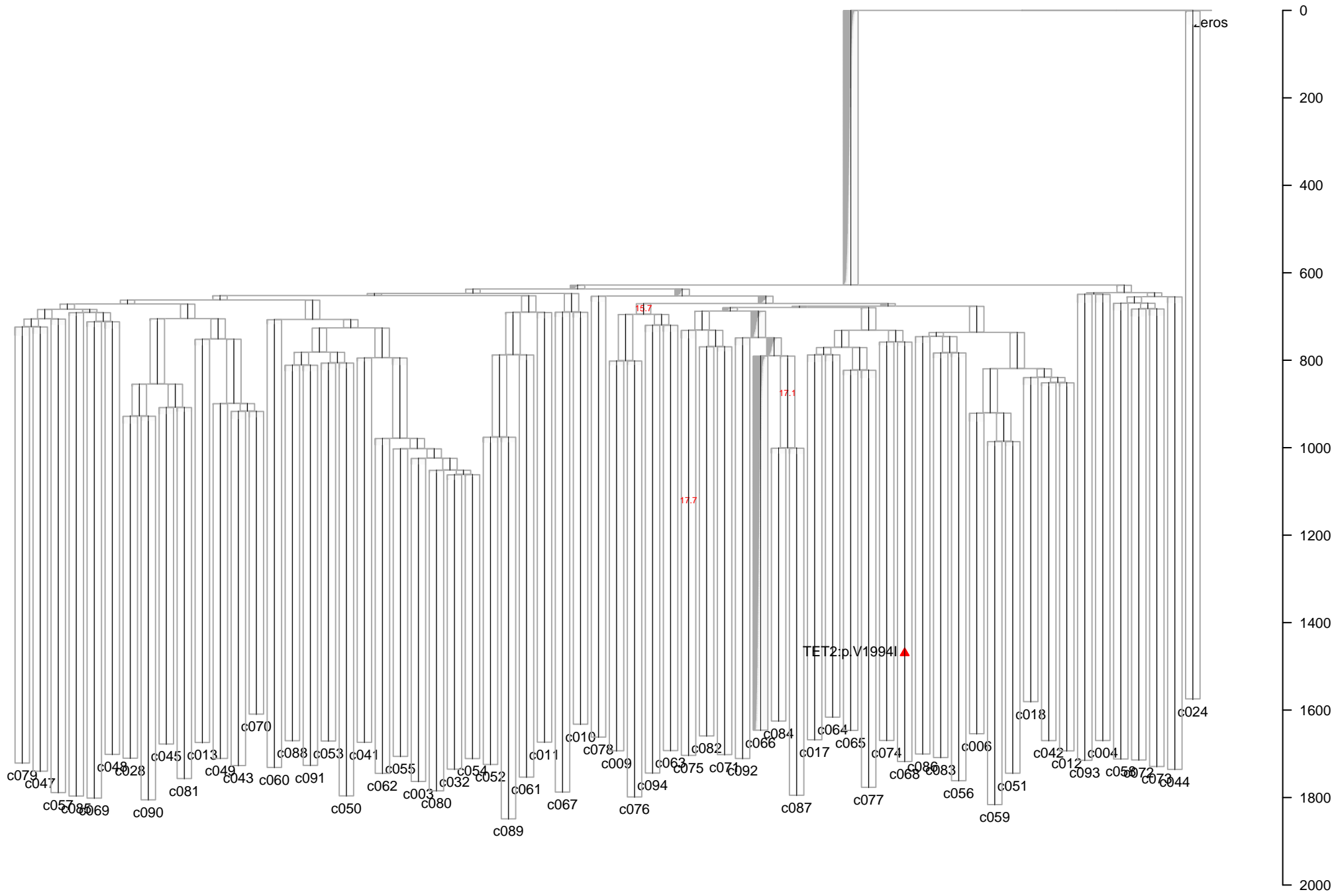
PD5147: Annotated with VAF from c071
Mean Depth=16.99



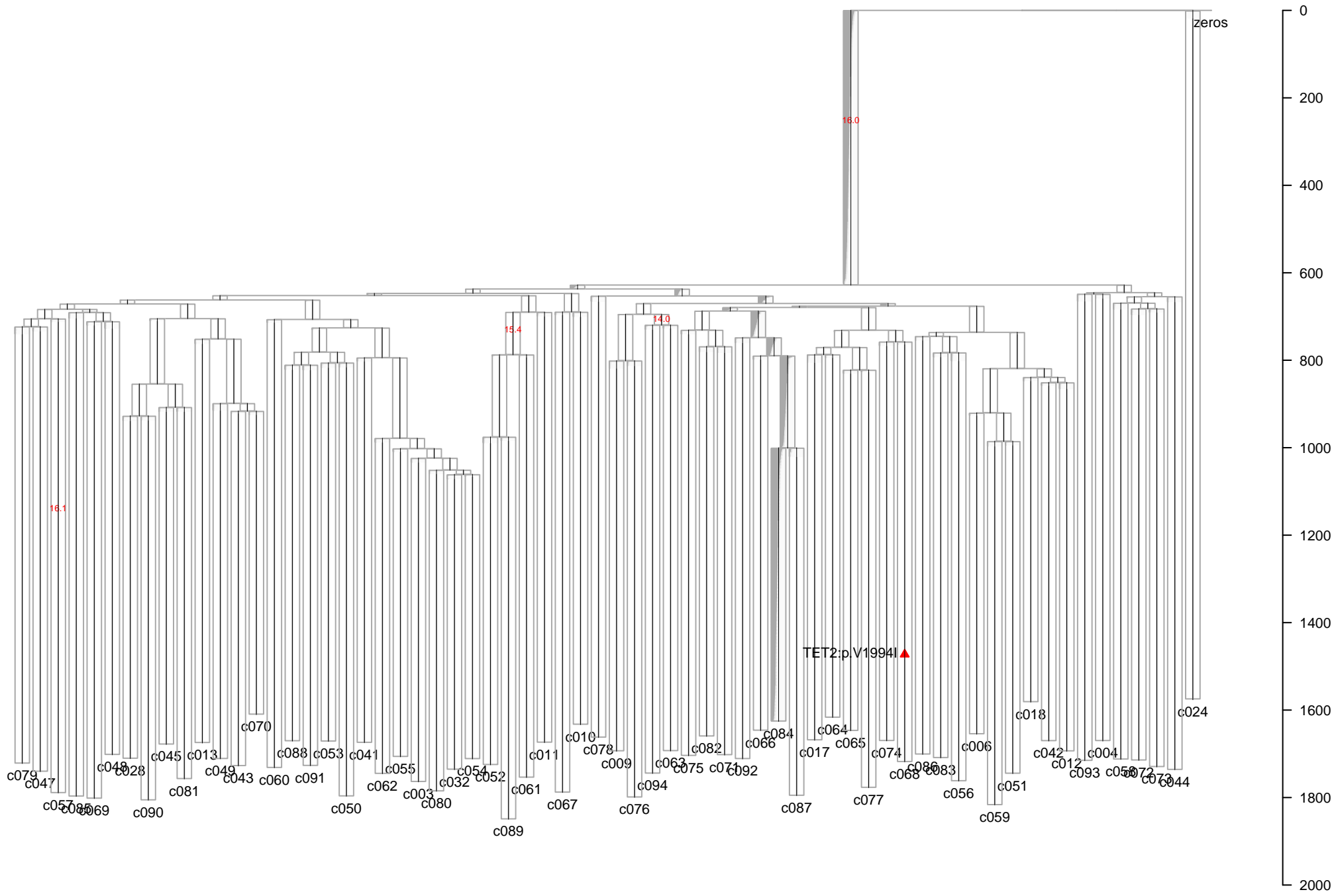
PD5147: Annotated with VAF from c092
Mean Depth=16.29



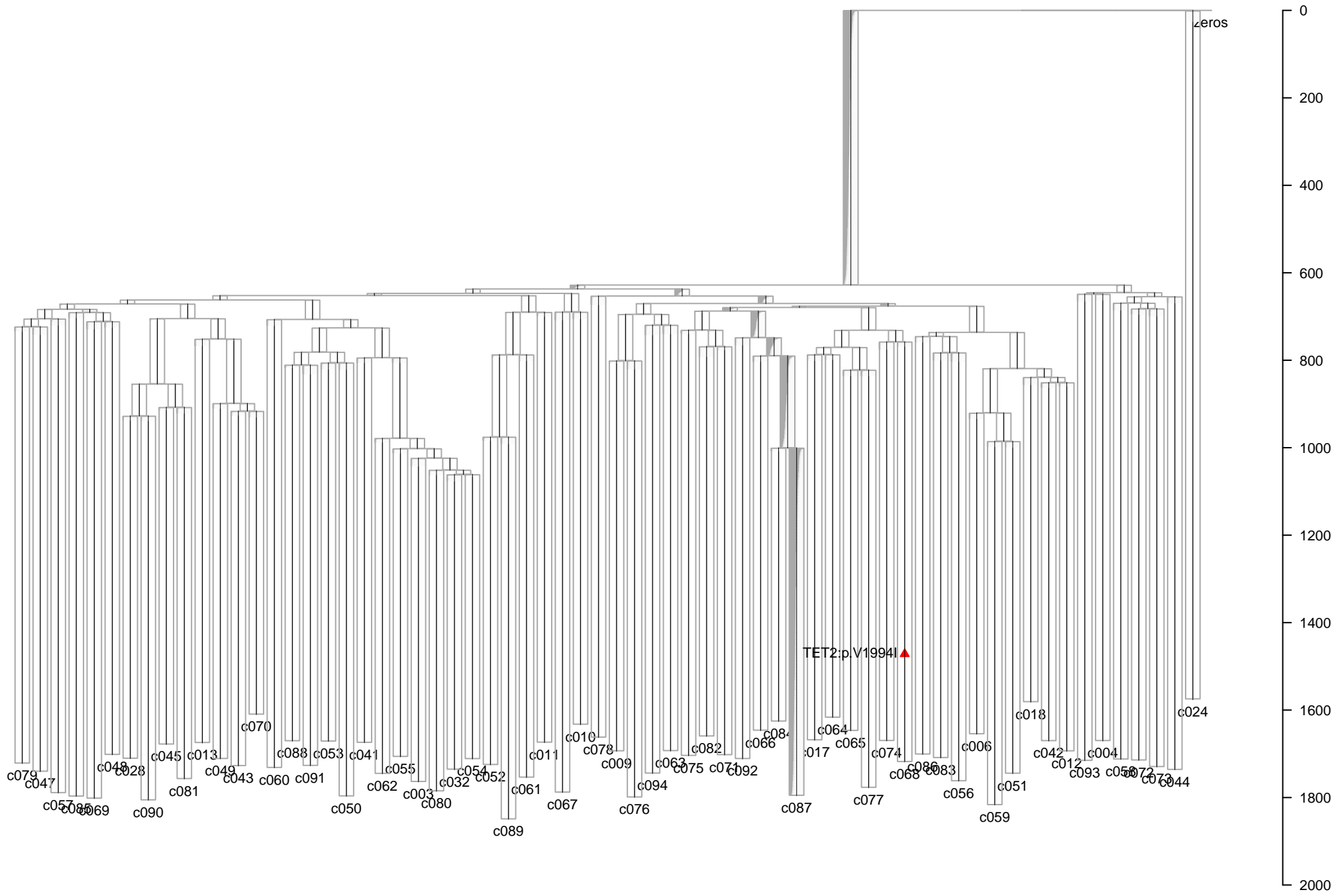
PD5147: Annotated with VAF from c066
Mean Depth=18.09



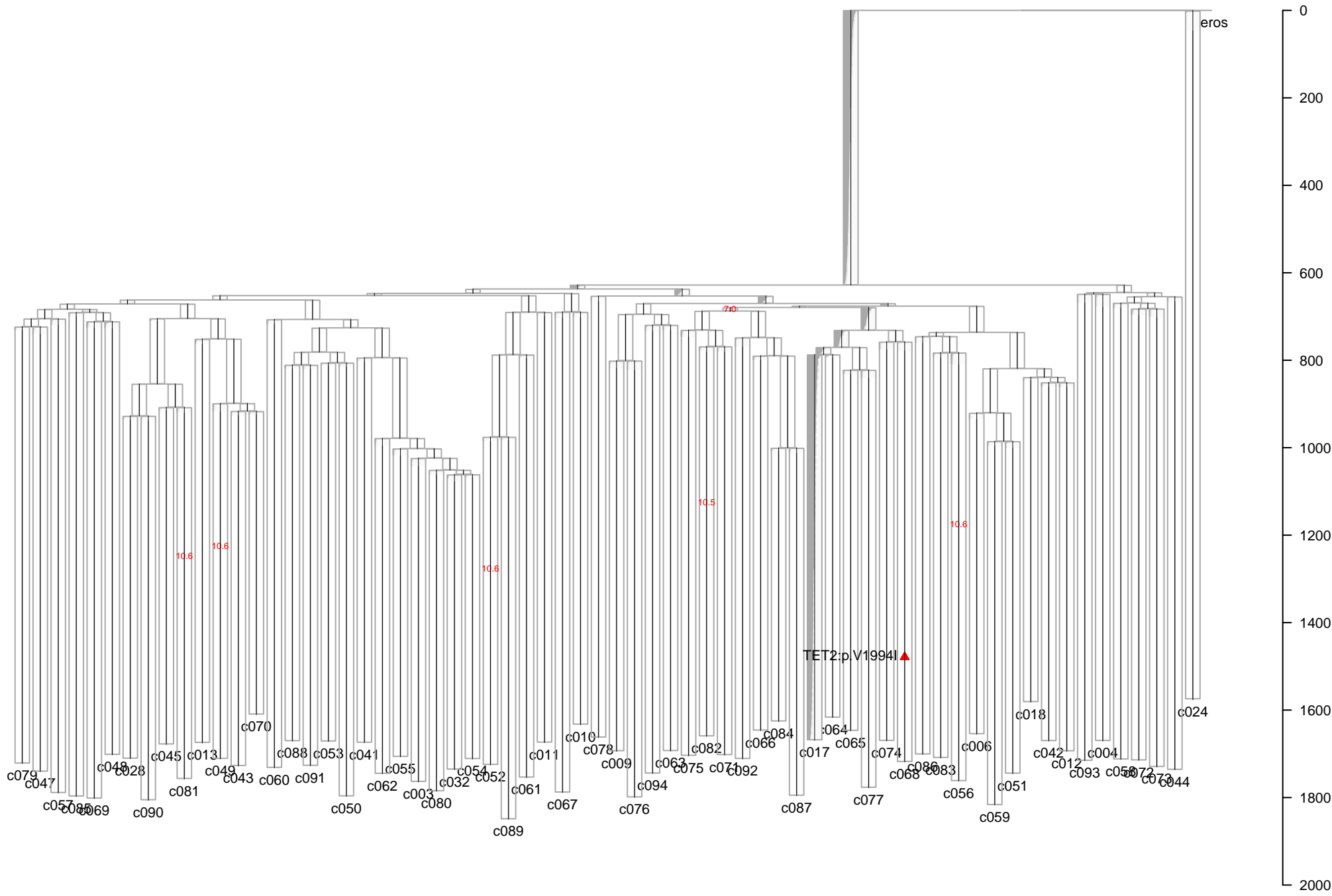
PD5147: Annotated with VAF from c084
Mean Depth=16.51



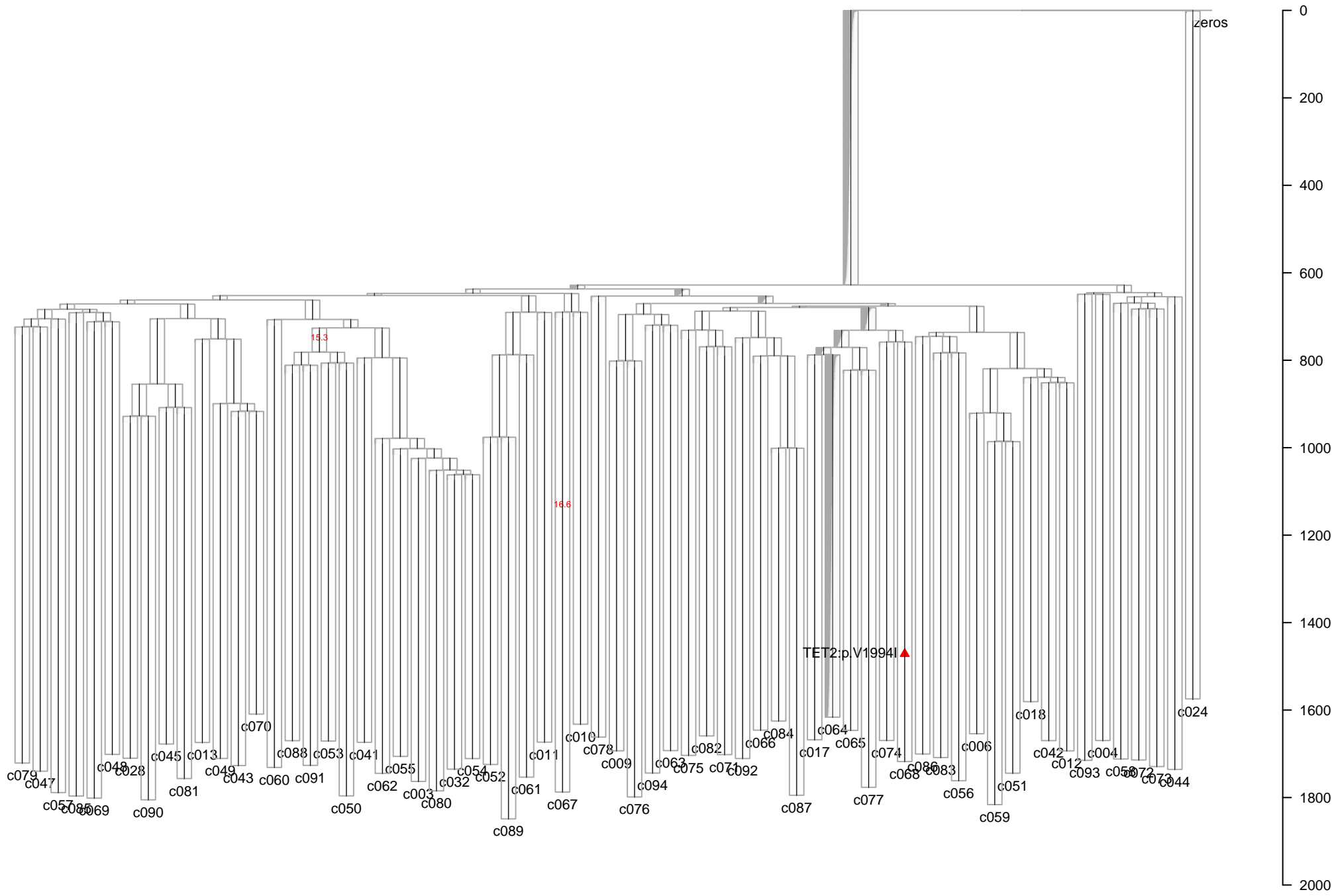
PD5147: Annotated with VAF from c087
Mean Depth=16.18



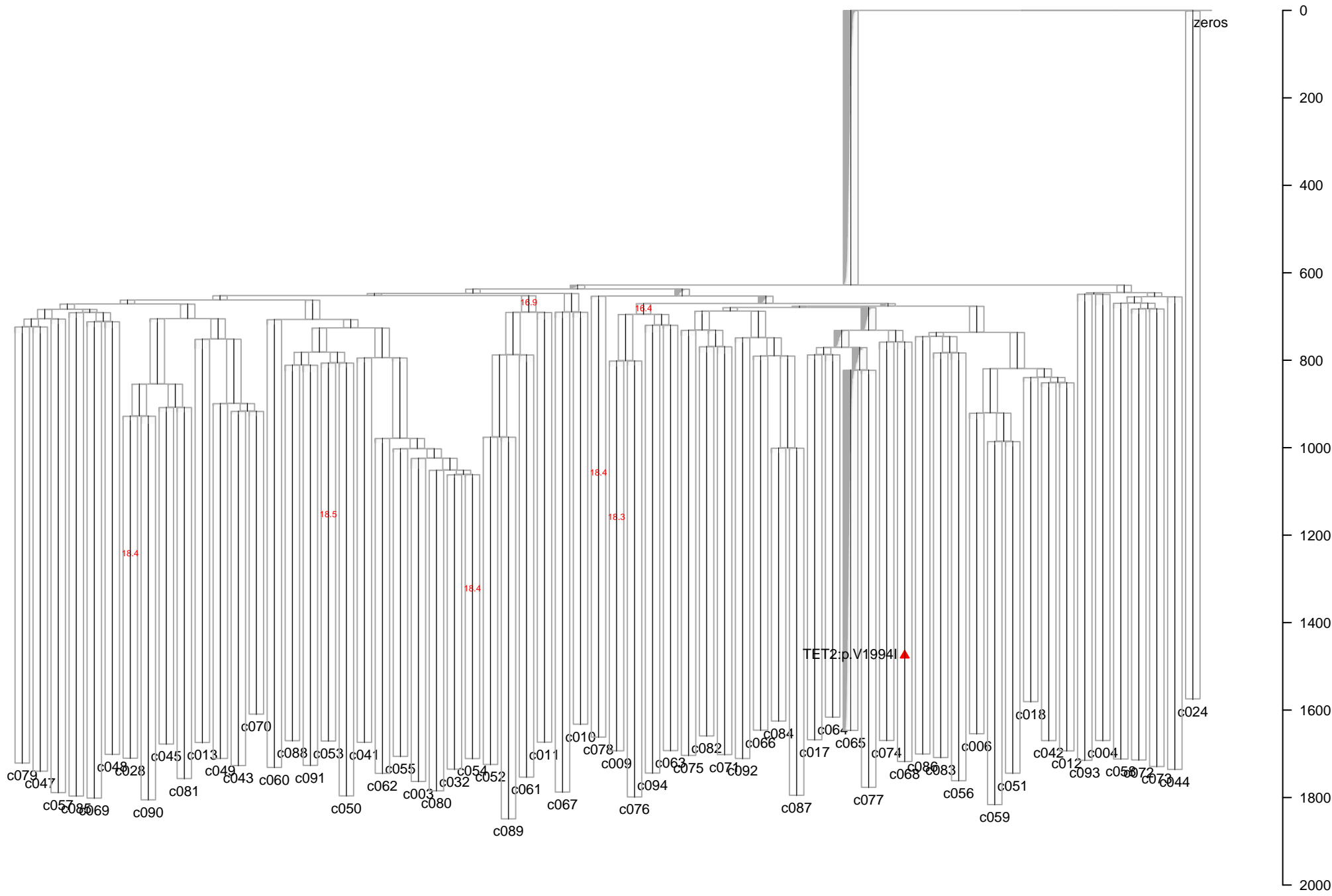
PD5147: Annotated with VAF from c017
Mean Depth=11.06



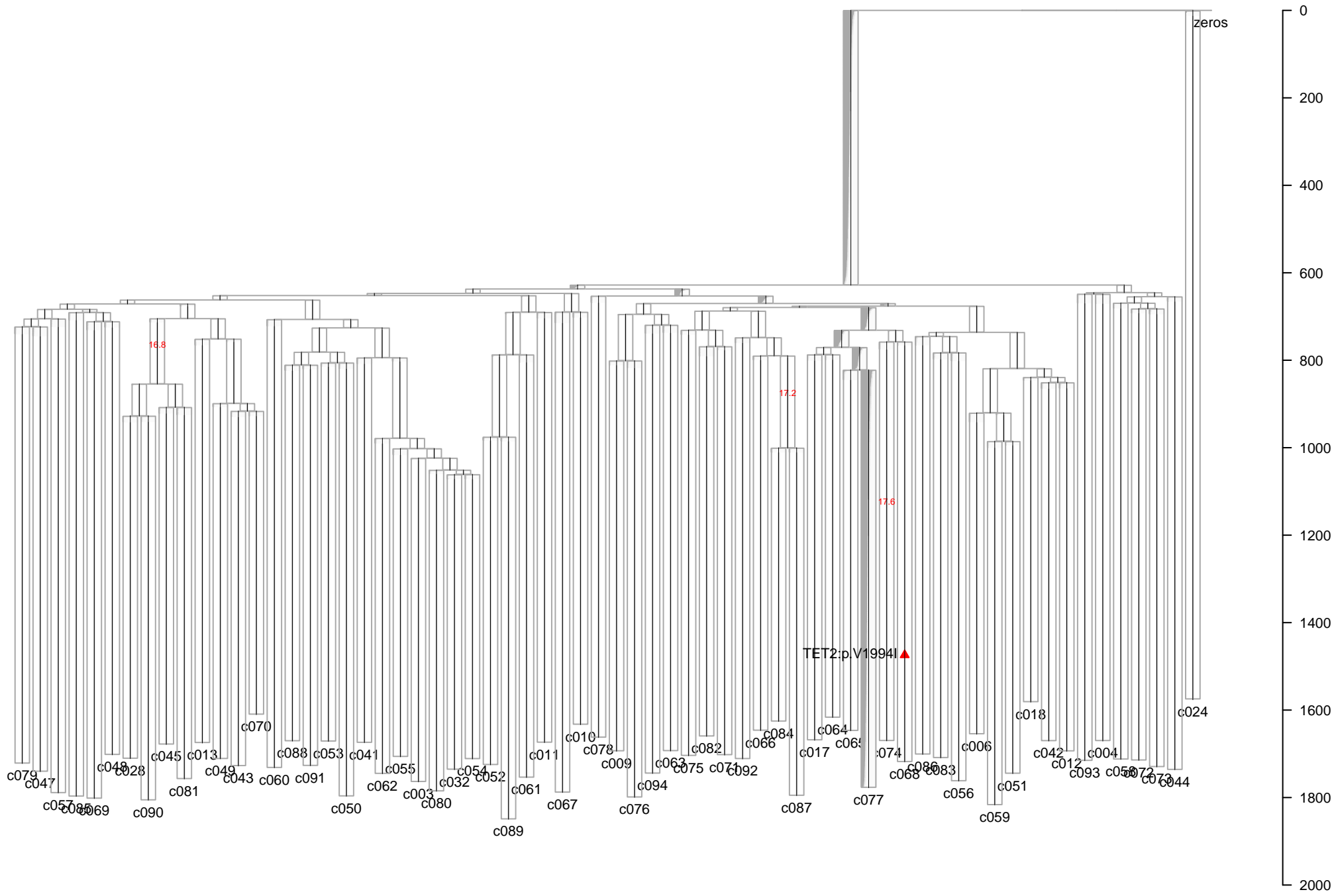
PD5147: Annotated with VAF from c064
Mean Depth=16.94



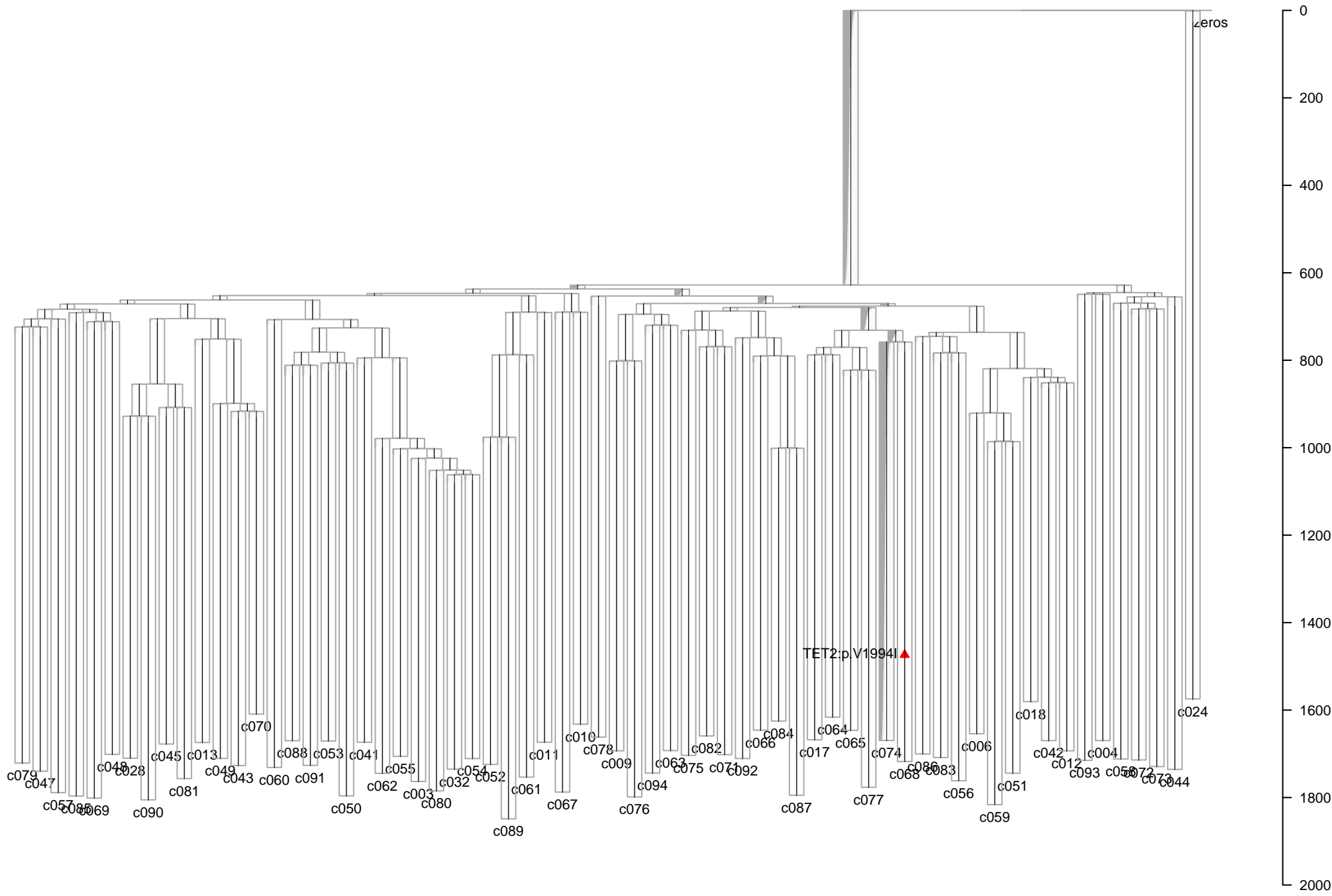
PD5147: Annotated with VAF from c065
Mean Depth=18.94



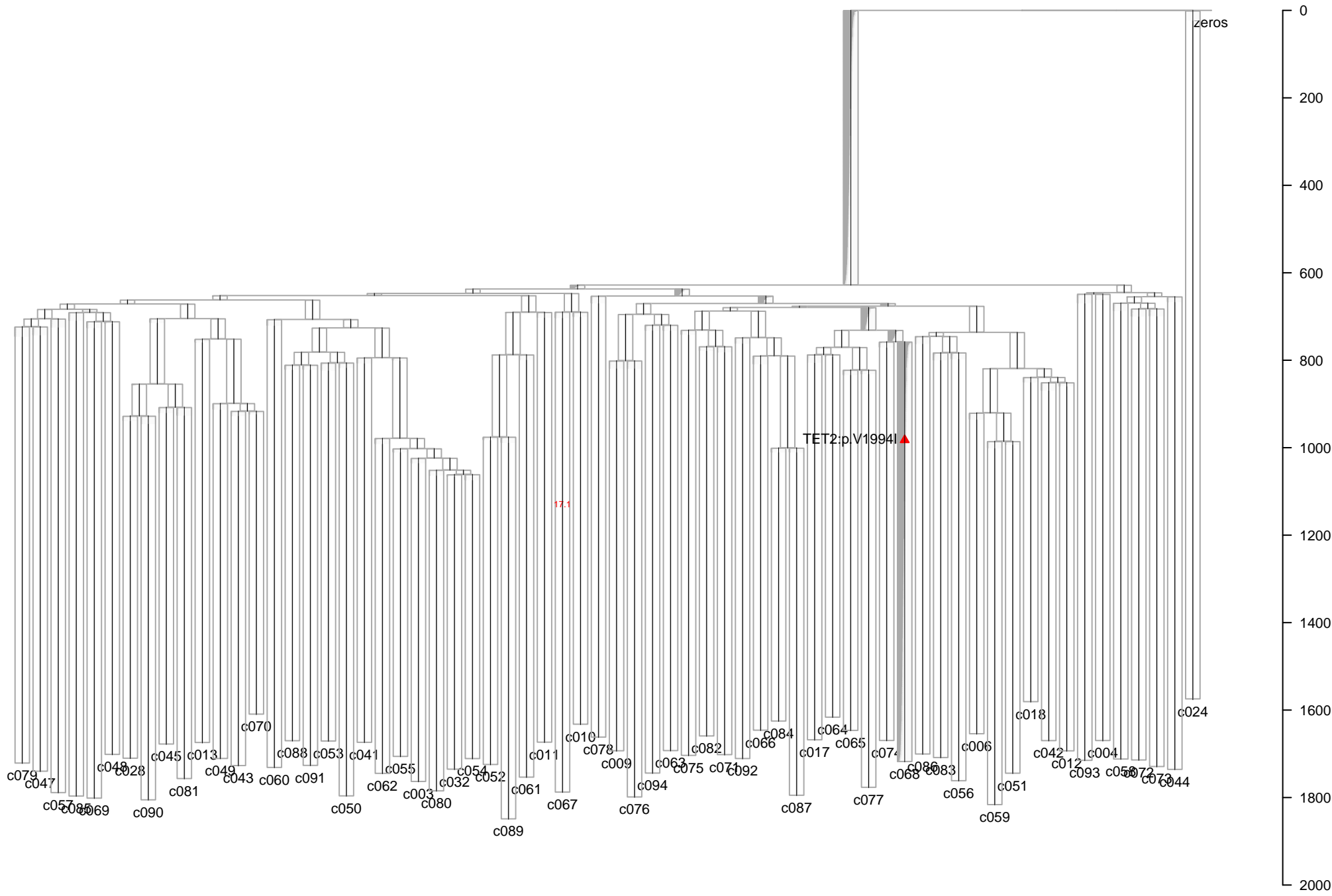
PD5147: Annotated with VAF from c077
Mean Depth=18.10



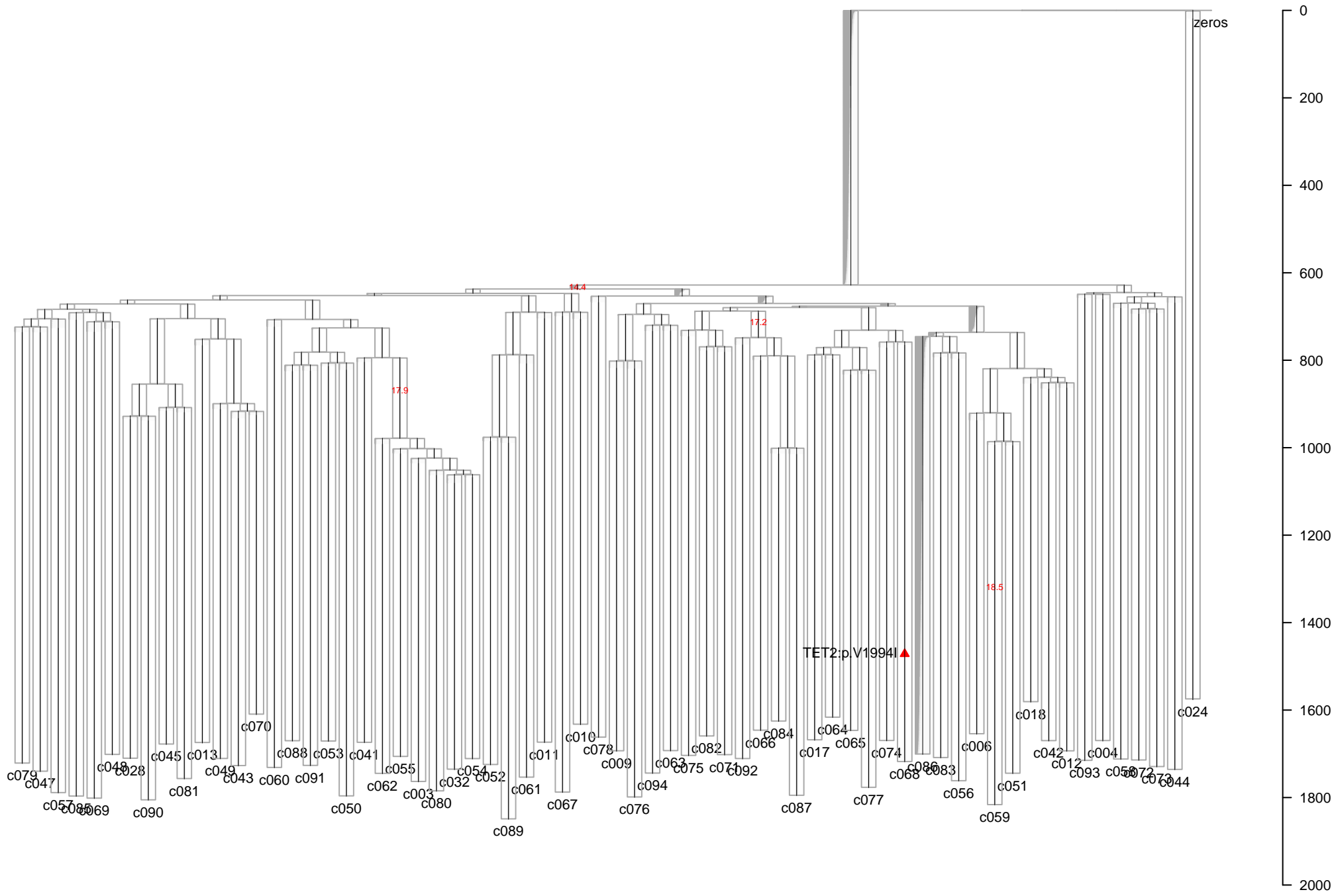
PD5147: Annotated with VAF from c074
Mean Depth=19.41



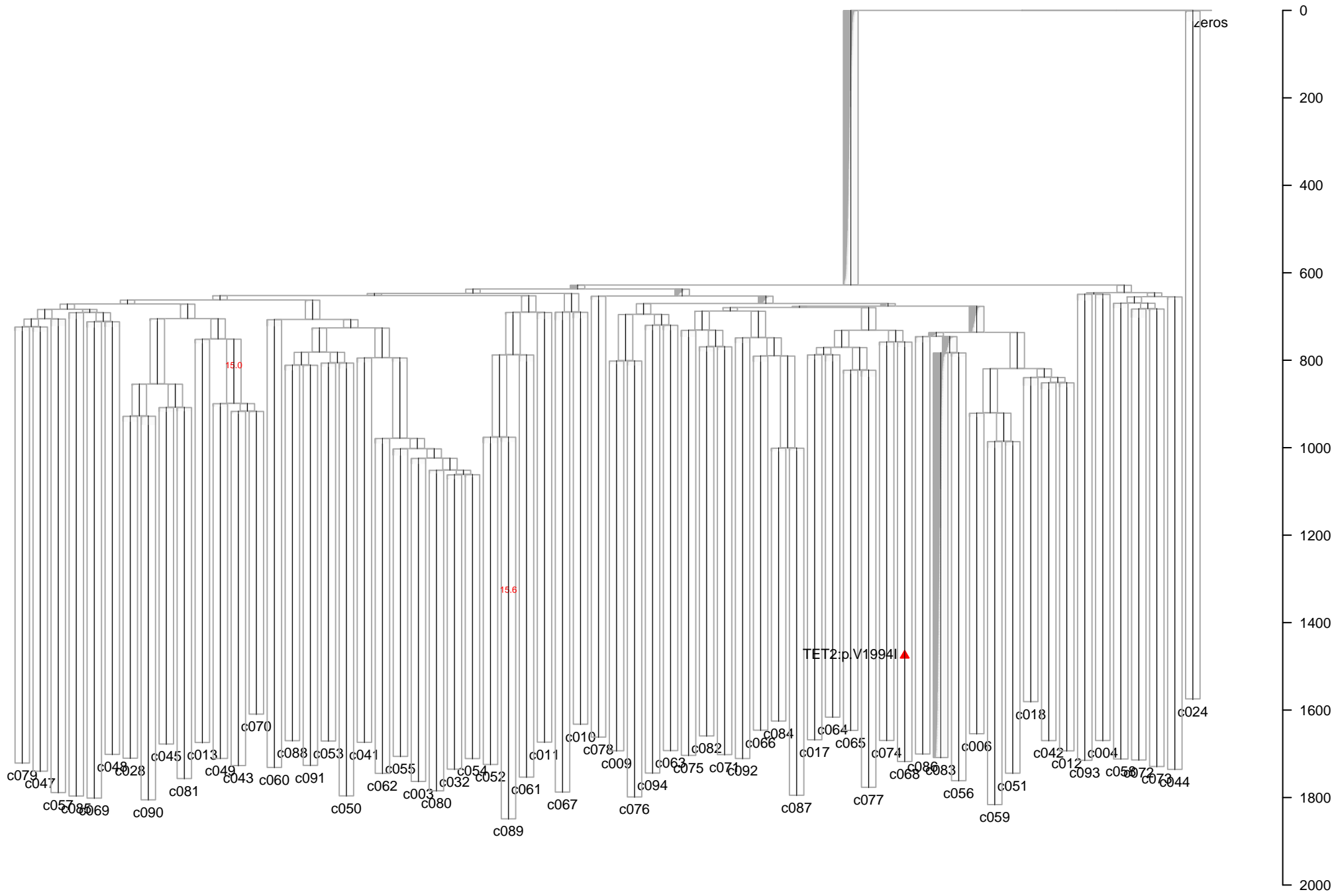
PD5147: Annotated with VAF from c068
Mean Depth=17.53



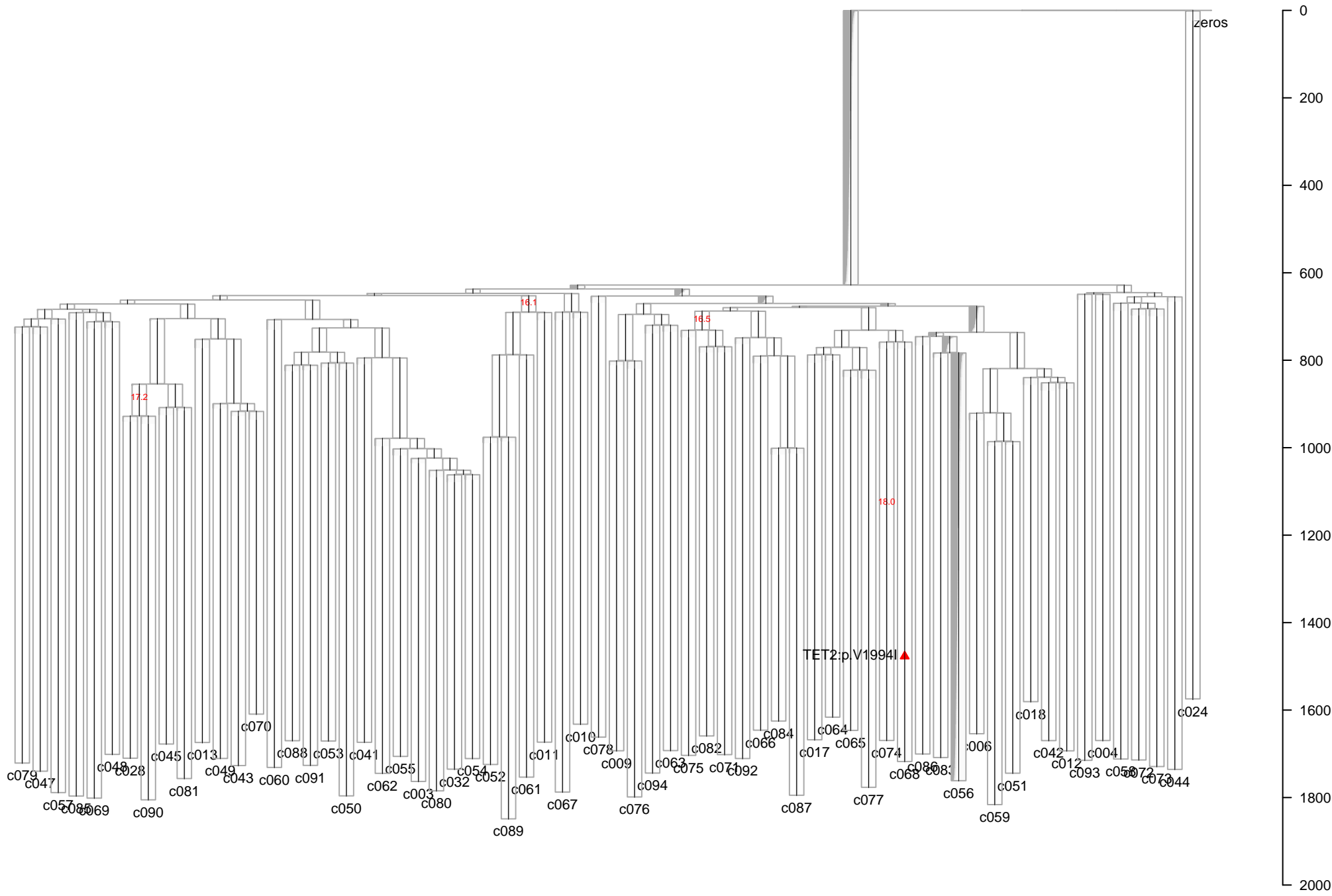
PD5147: Annotated with VAF from c086
Mean Depth=18.98



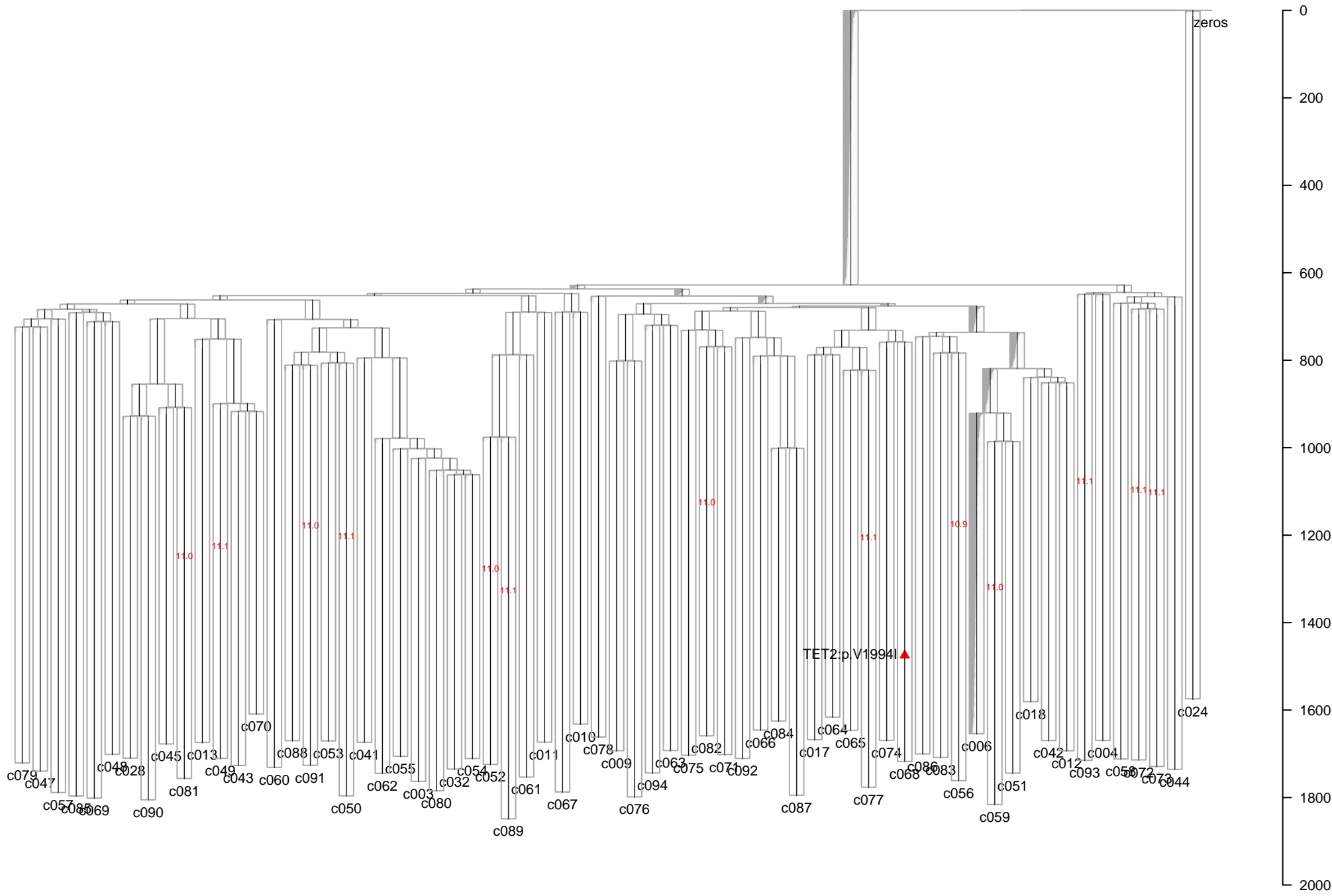
PD5147: Annotated with VAF from c083
Mean Depth=15.97



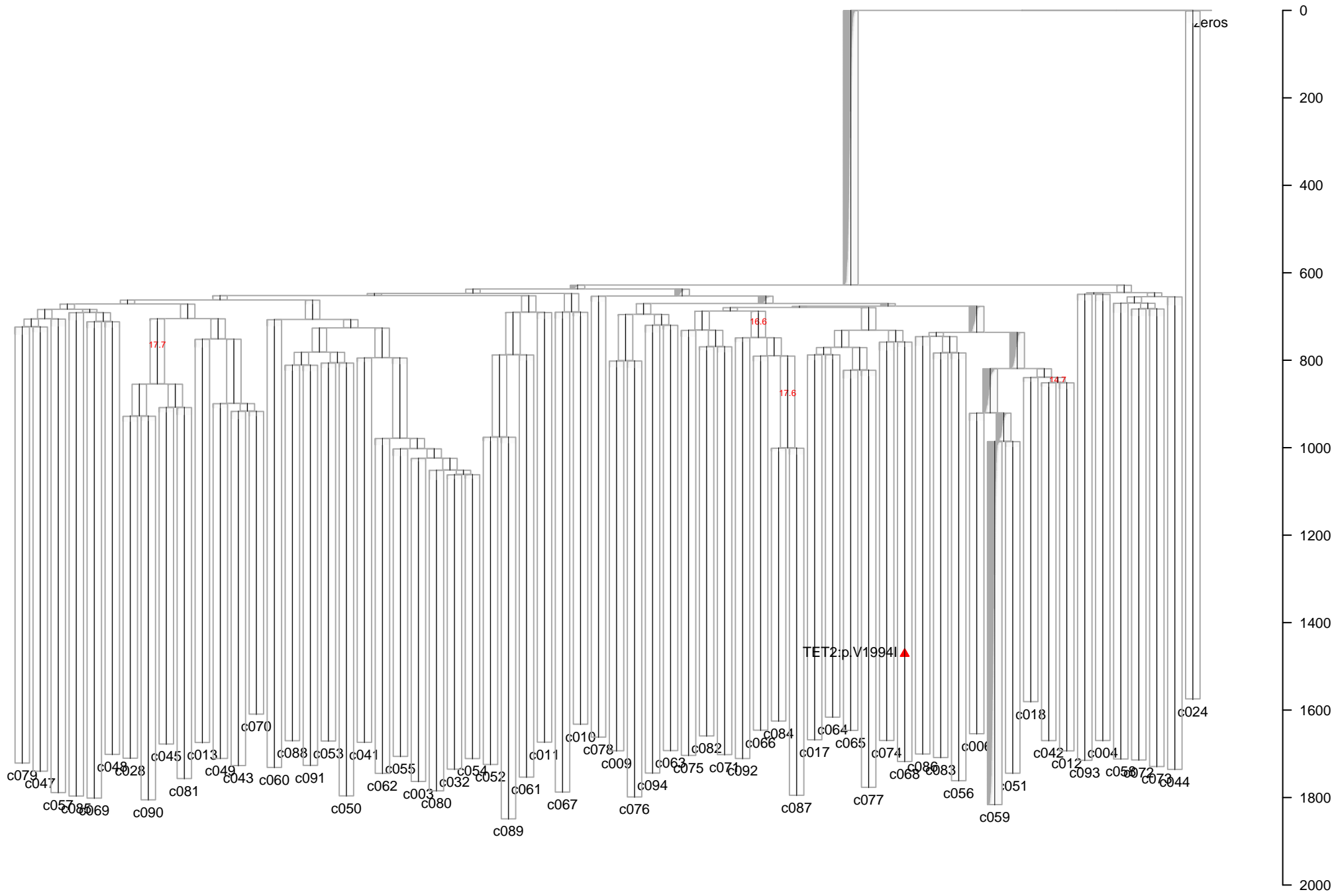
PD5147: Annotated with VAF from c056
Mean Depth=18.62



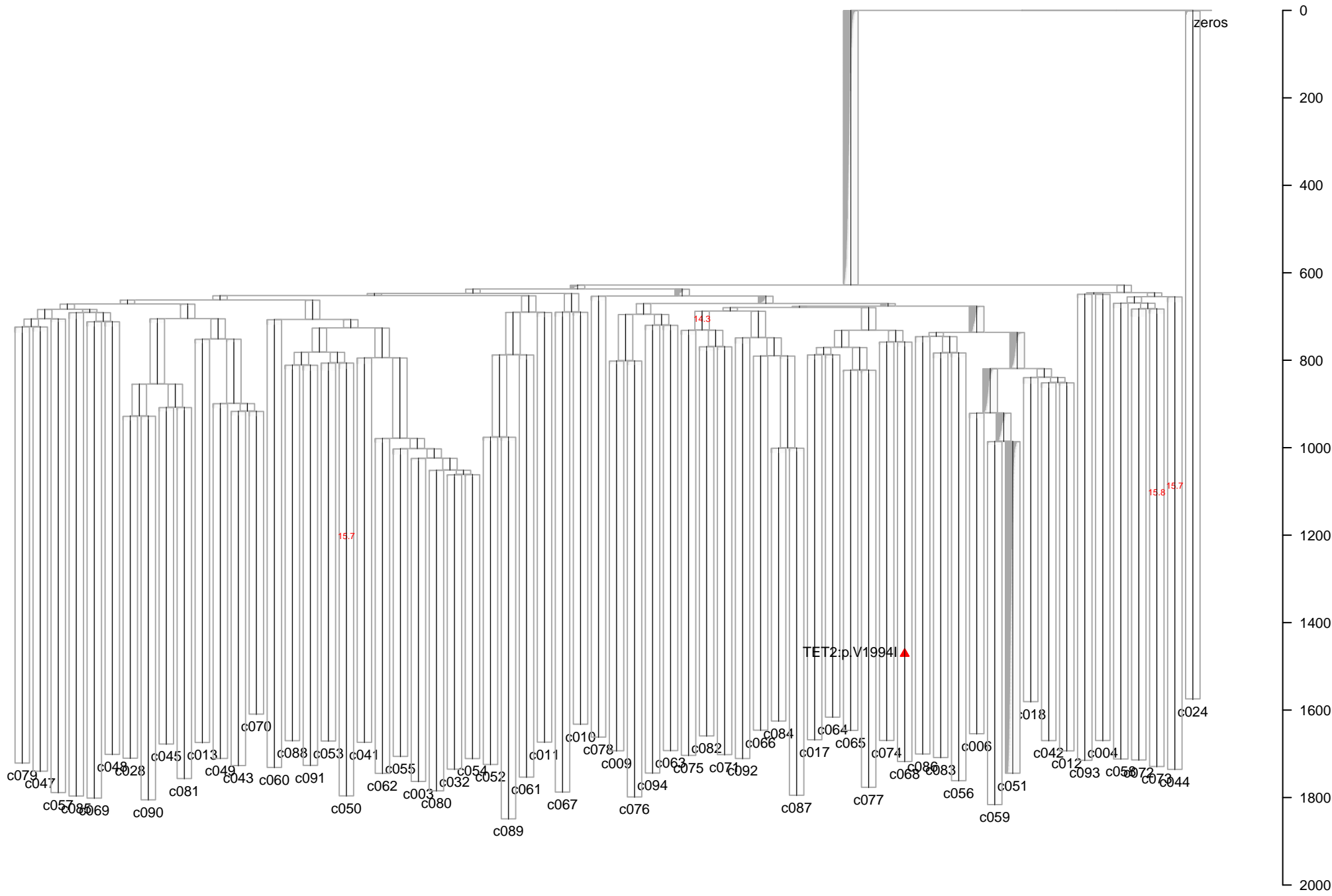
PD5147: Annotated with VAF from c006
Mean Depth=11.51



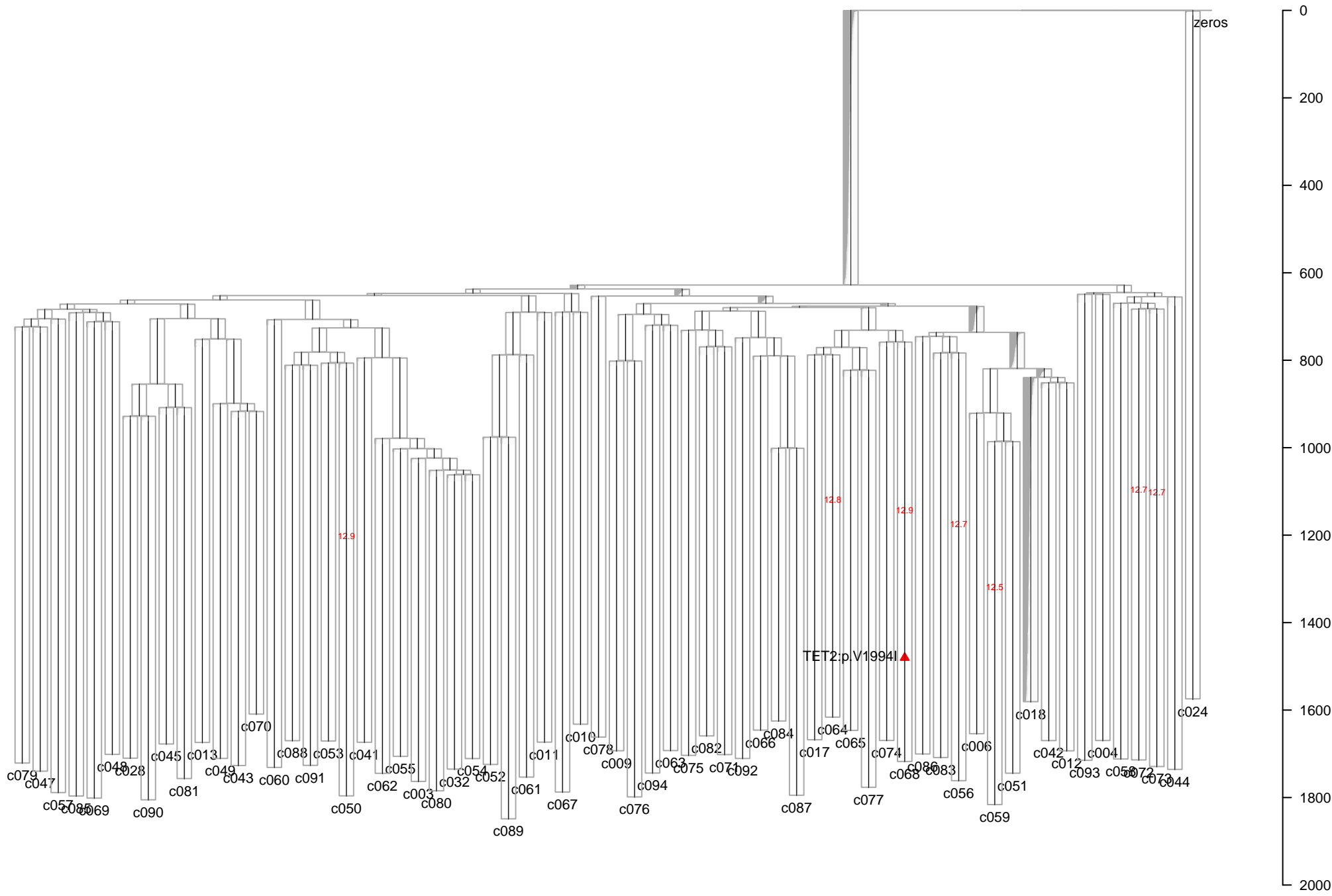
PD5147: Annotated with VAF from c059
Mean Depth=18.70



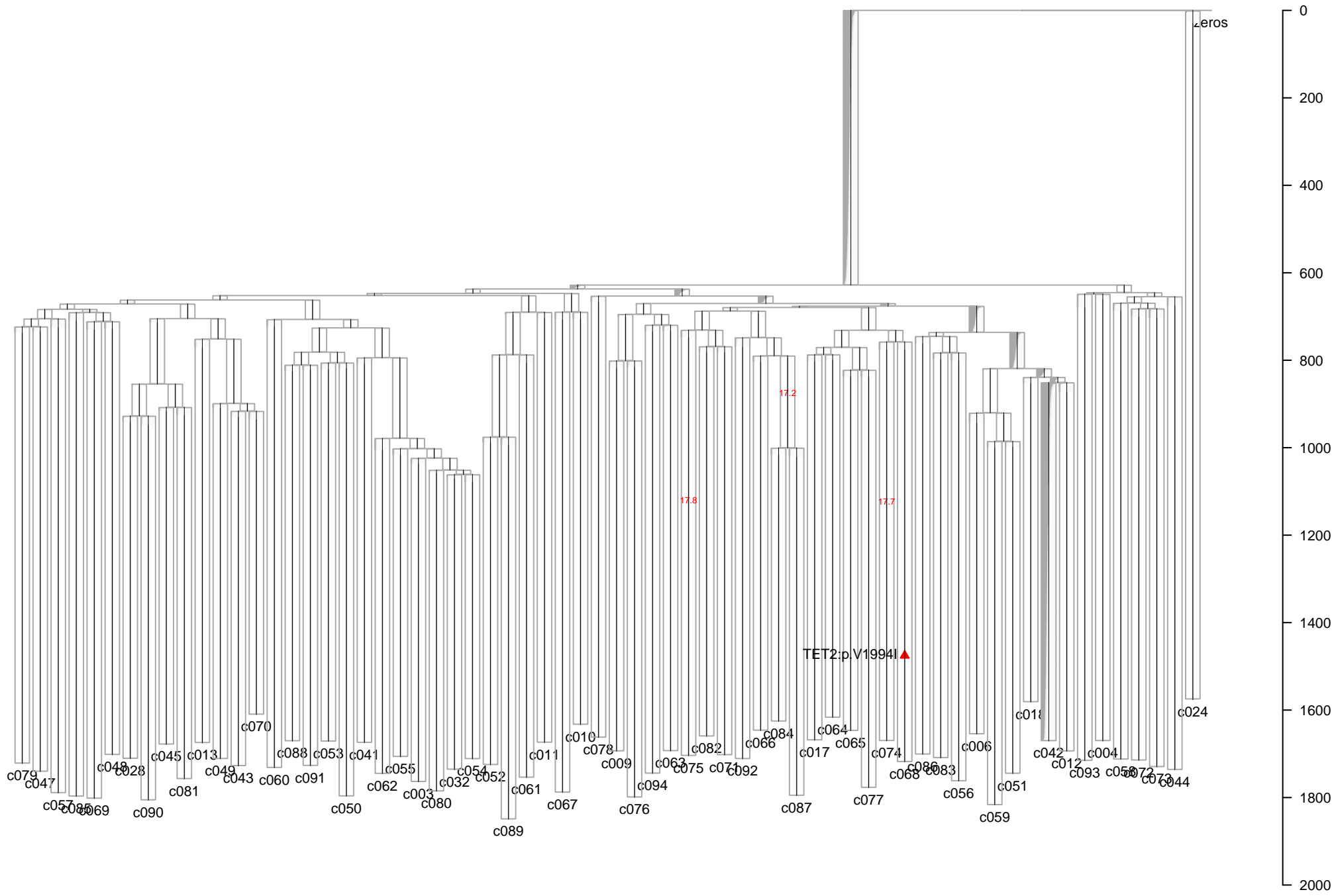
PD5147: Annotated with VAF from c051
Mean Depth=16.15



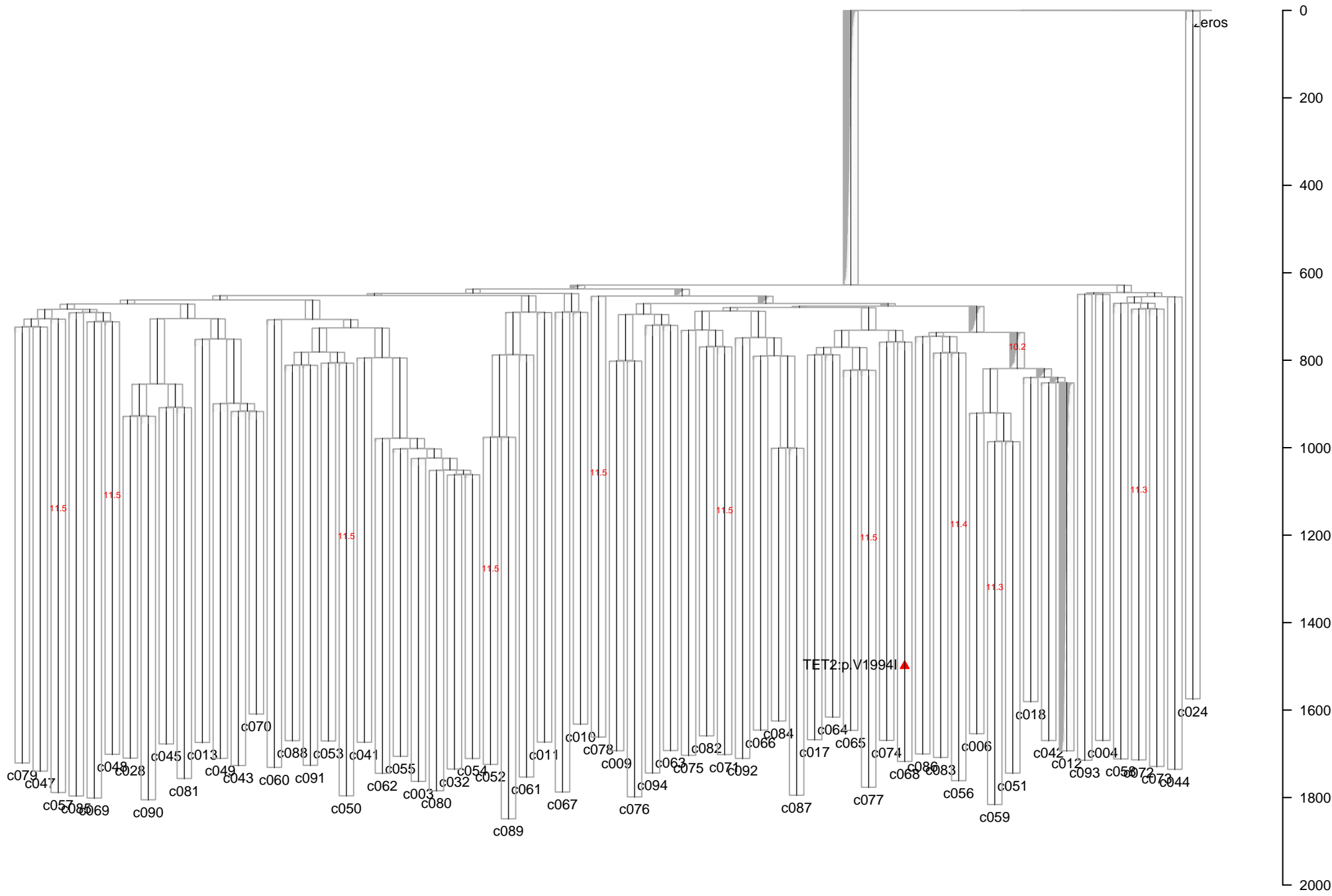
PD5147: Annotated with VAF from c018
Mean Depth=13.28



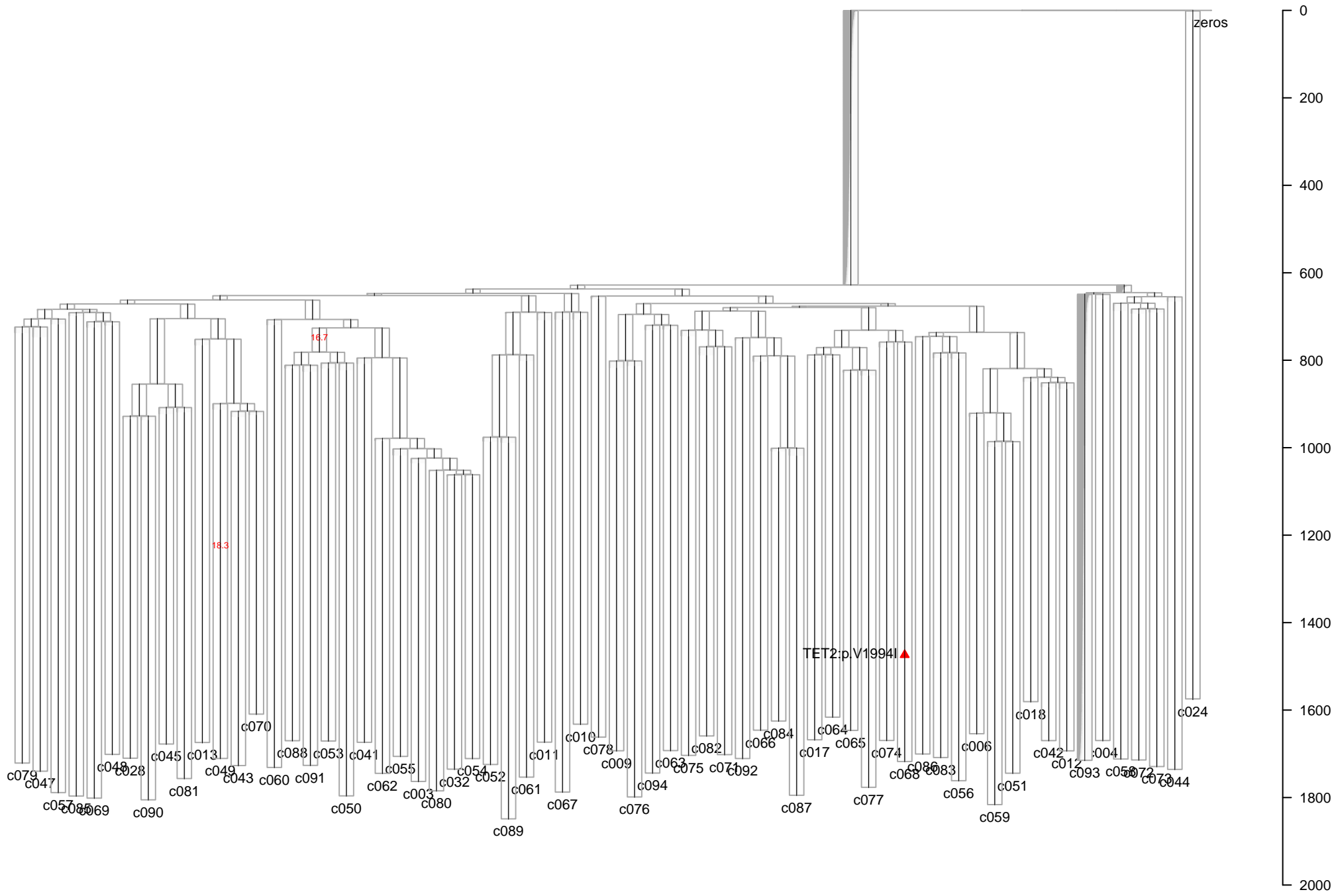
PD5147: Annotated with VAF from c042
Mean Depth=18.23



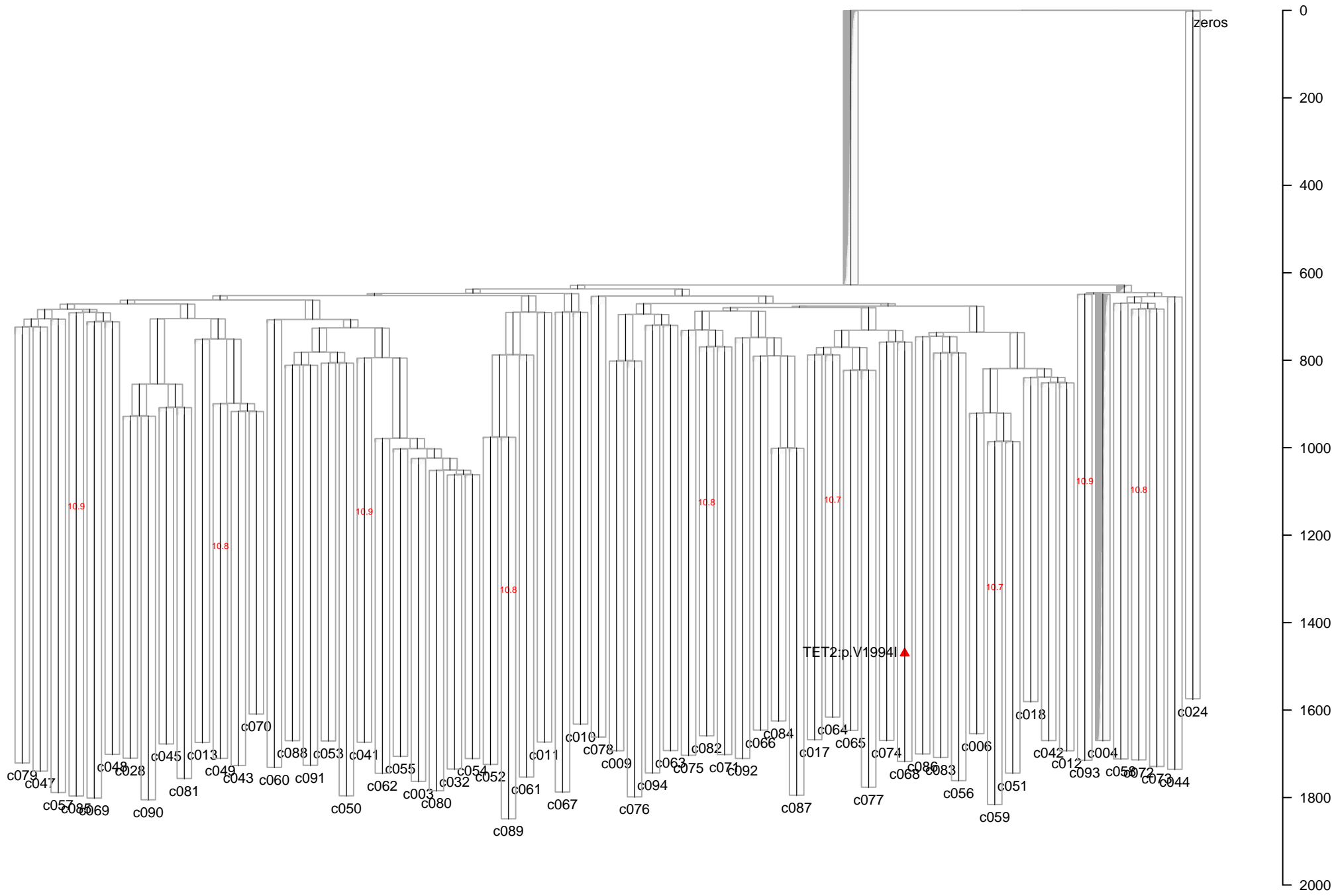
PD5147: Annotated with VAF from c012
Mean Depth=11.98



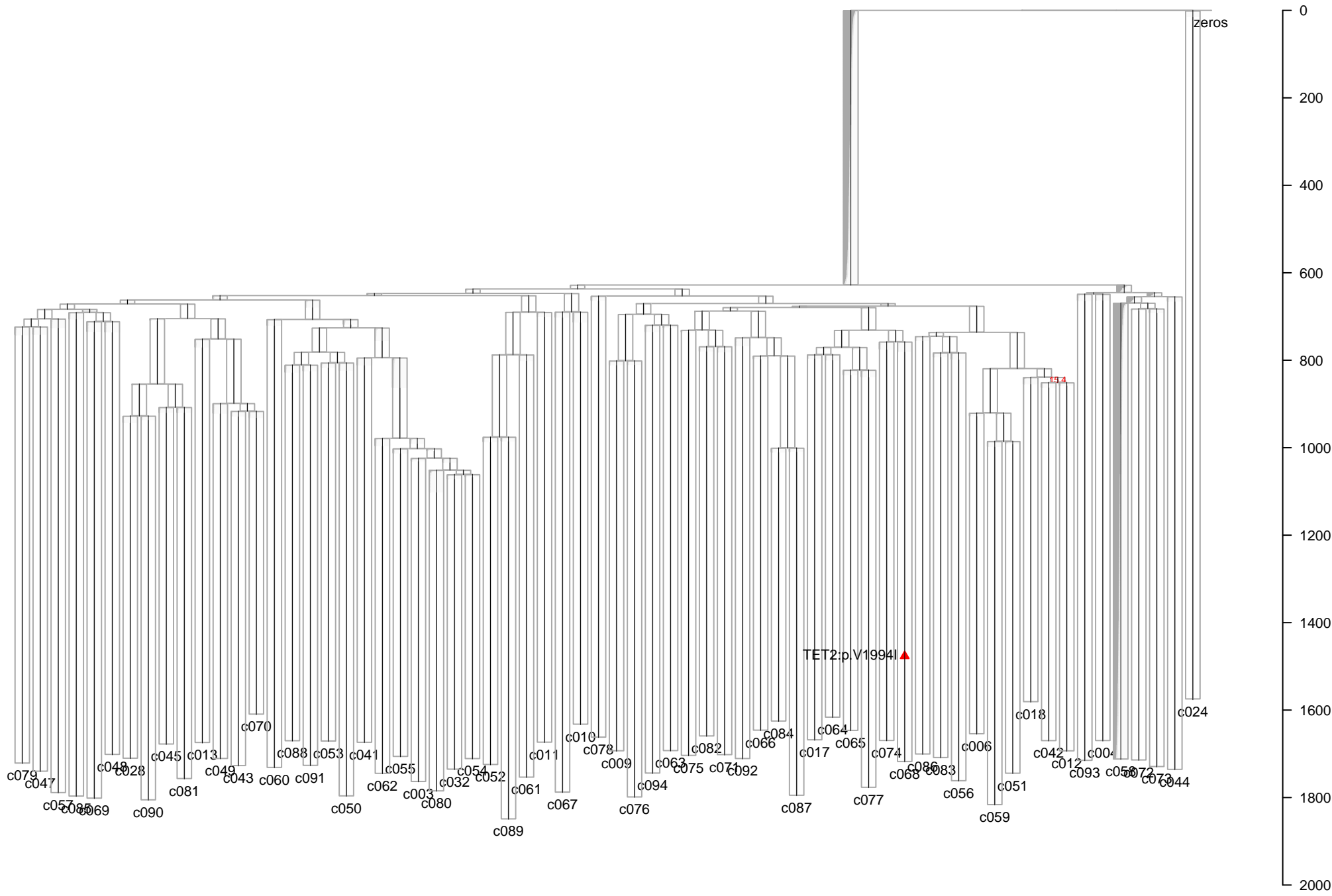
PD5147: Annotated with VAF from c093
Mean Depth=18.85



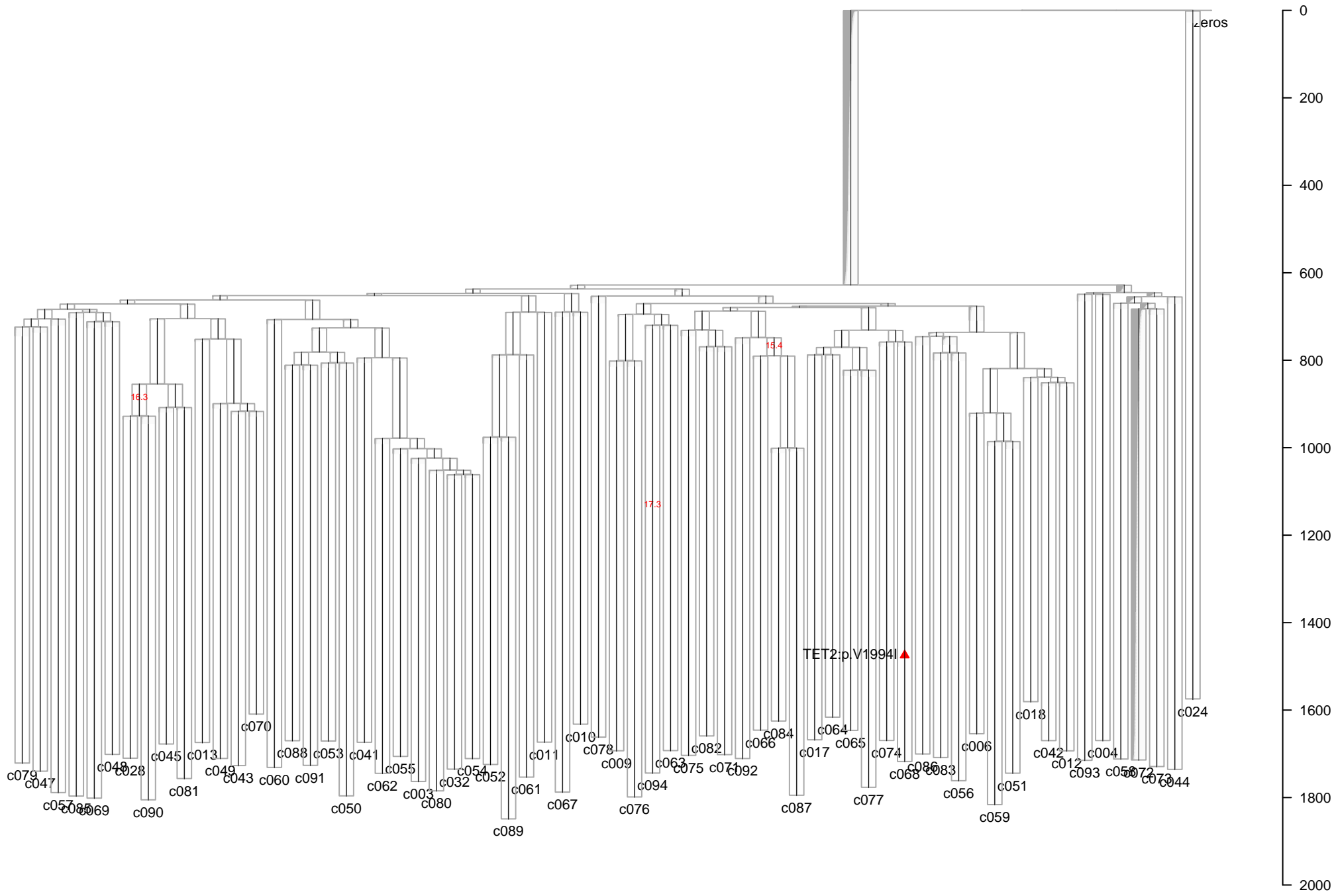
PD5147: Annotated with VAF from c004
Mean Depth=11.24



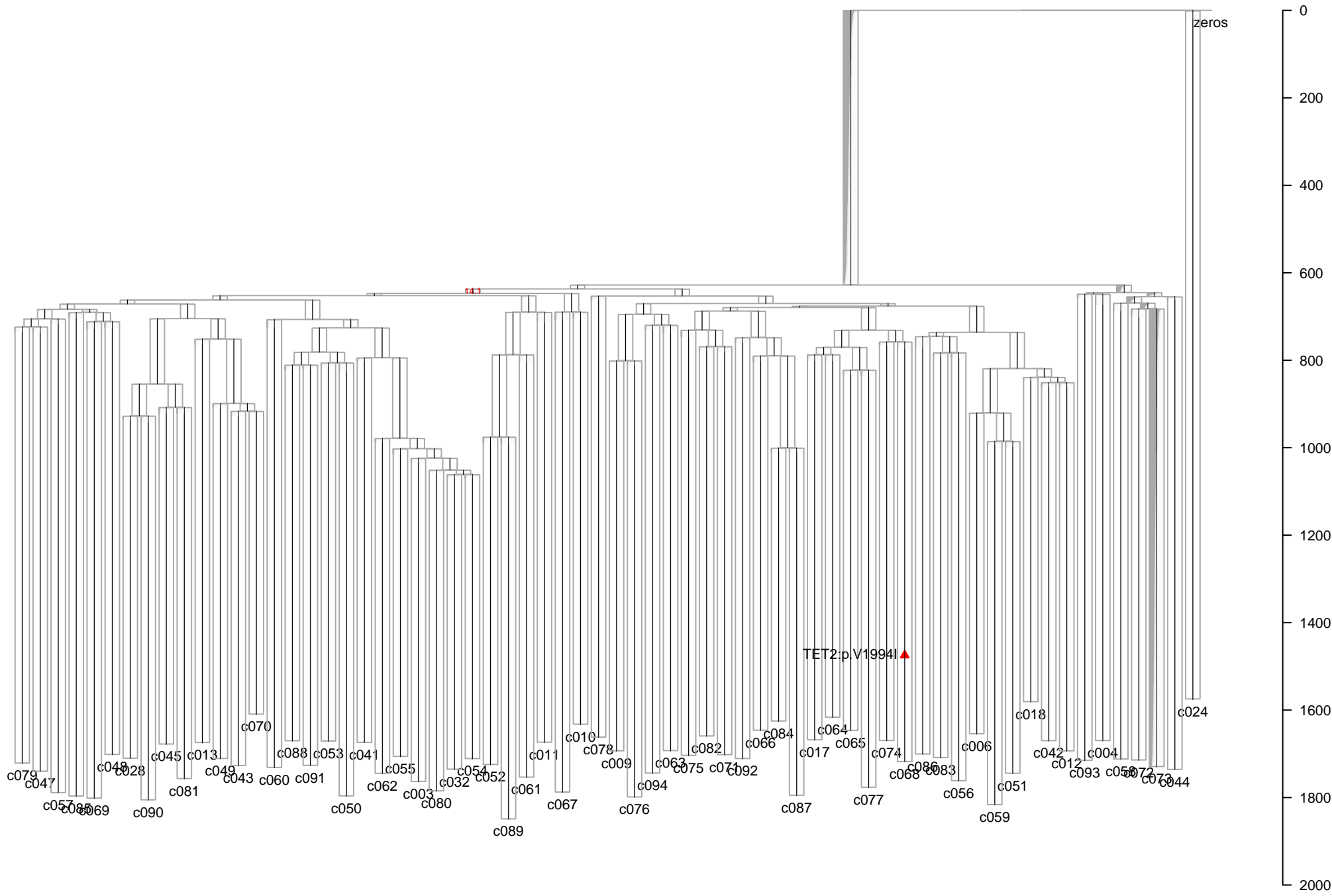
PD5147: Annotated with VAF from c058
Mean Depth=19.50



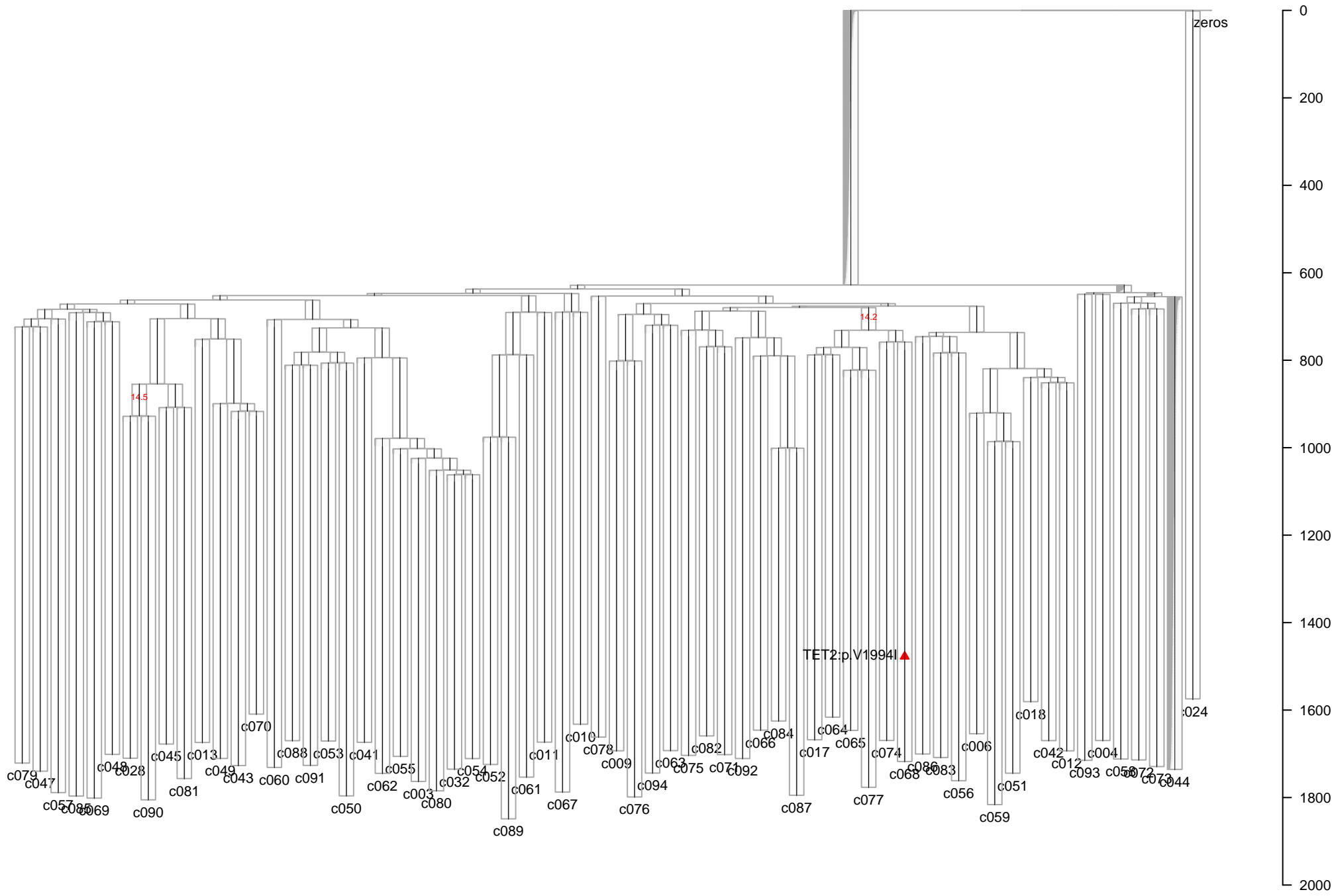
PD5147: Annotated with VAF from c072
Mean Depth=17.72



PD5147: Annotated with VAF from c073
Mean Depth=17.90



PD5147: Annotated with VAF from c044
Mean Depth=15.74



PD5147: Annotated with VAF from c024
Mean Depth=6.94

