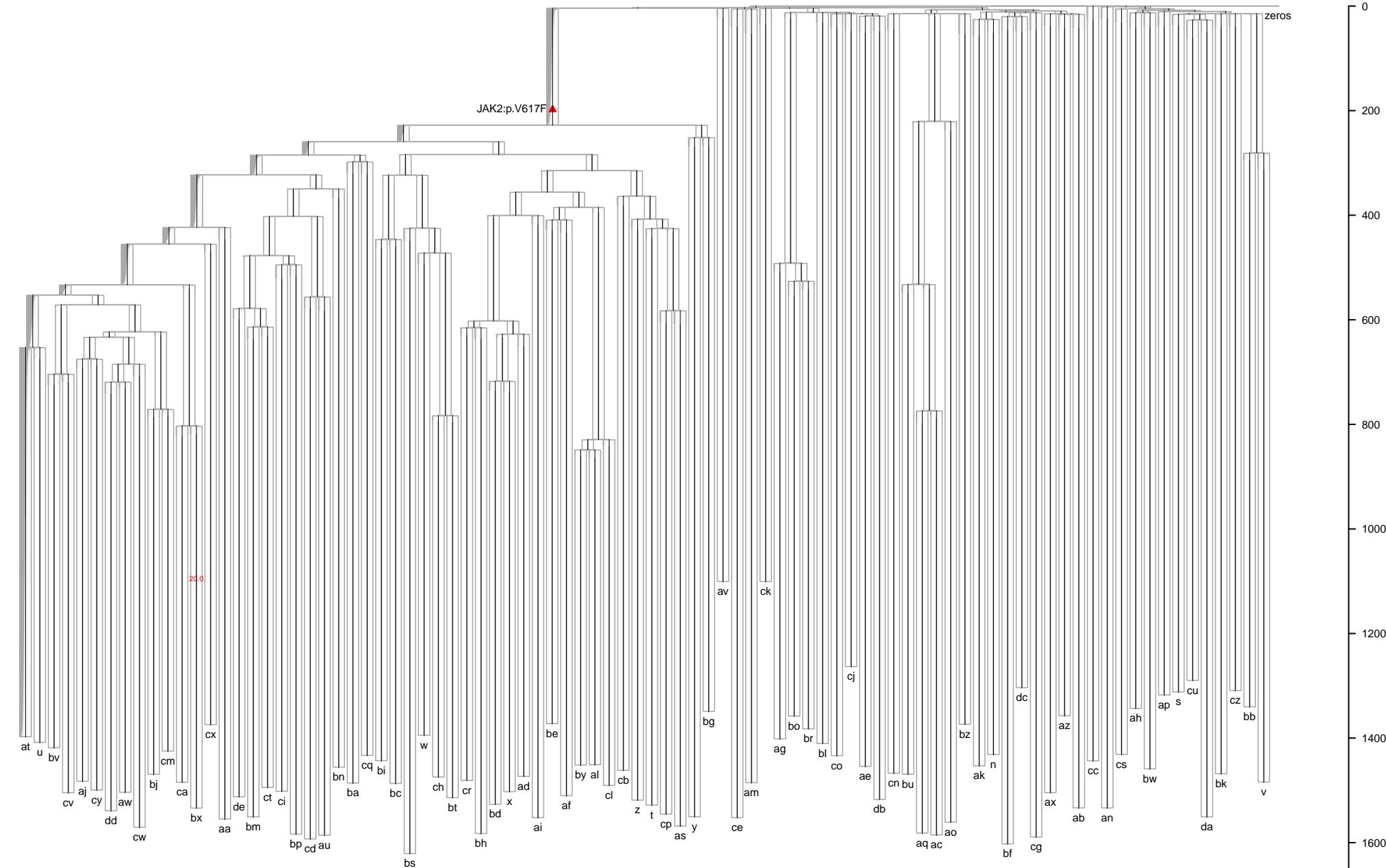


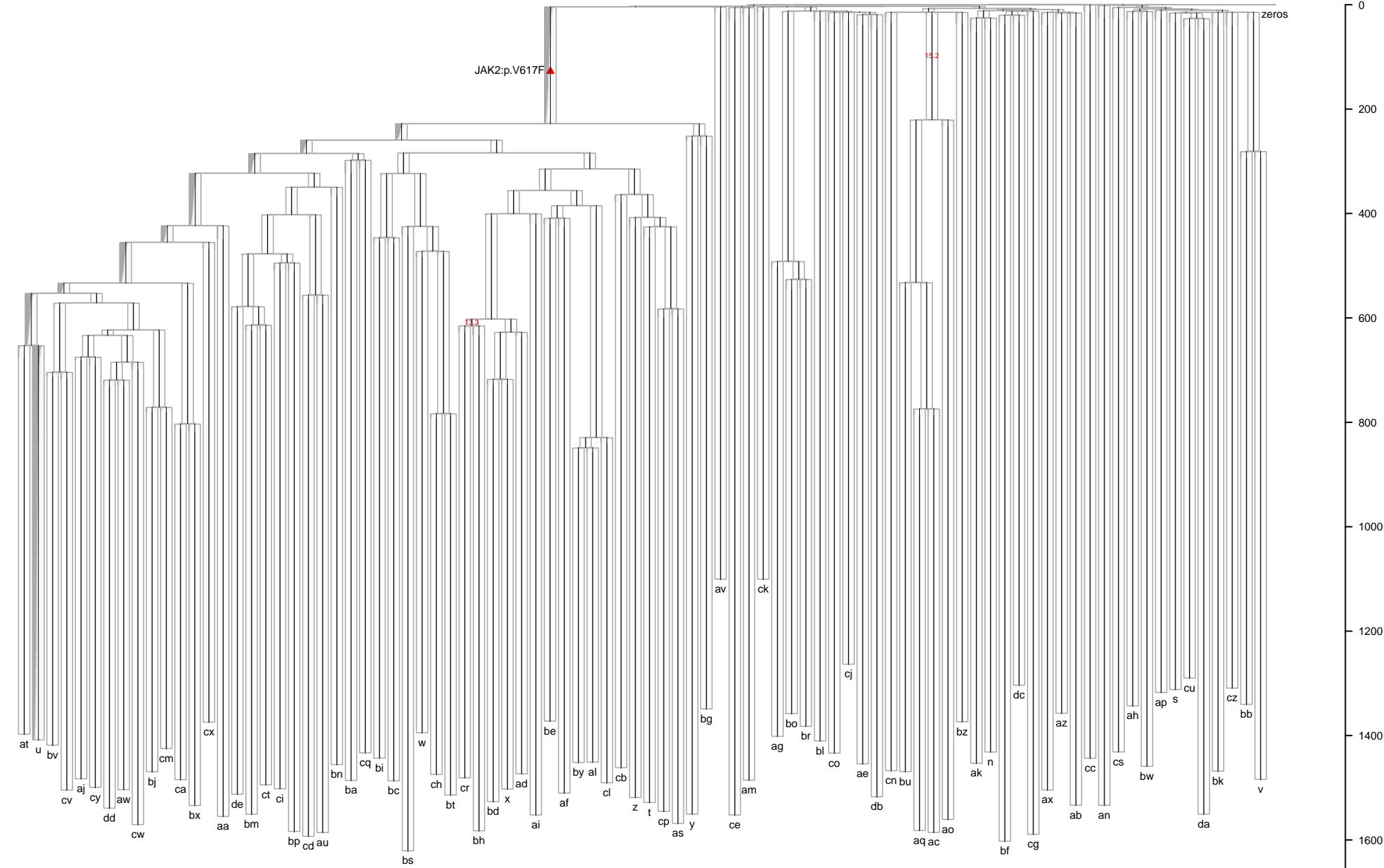
Tree By Colony Quality Assessment

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.

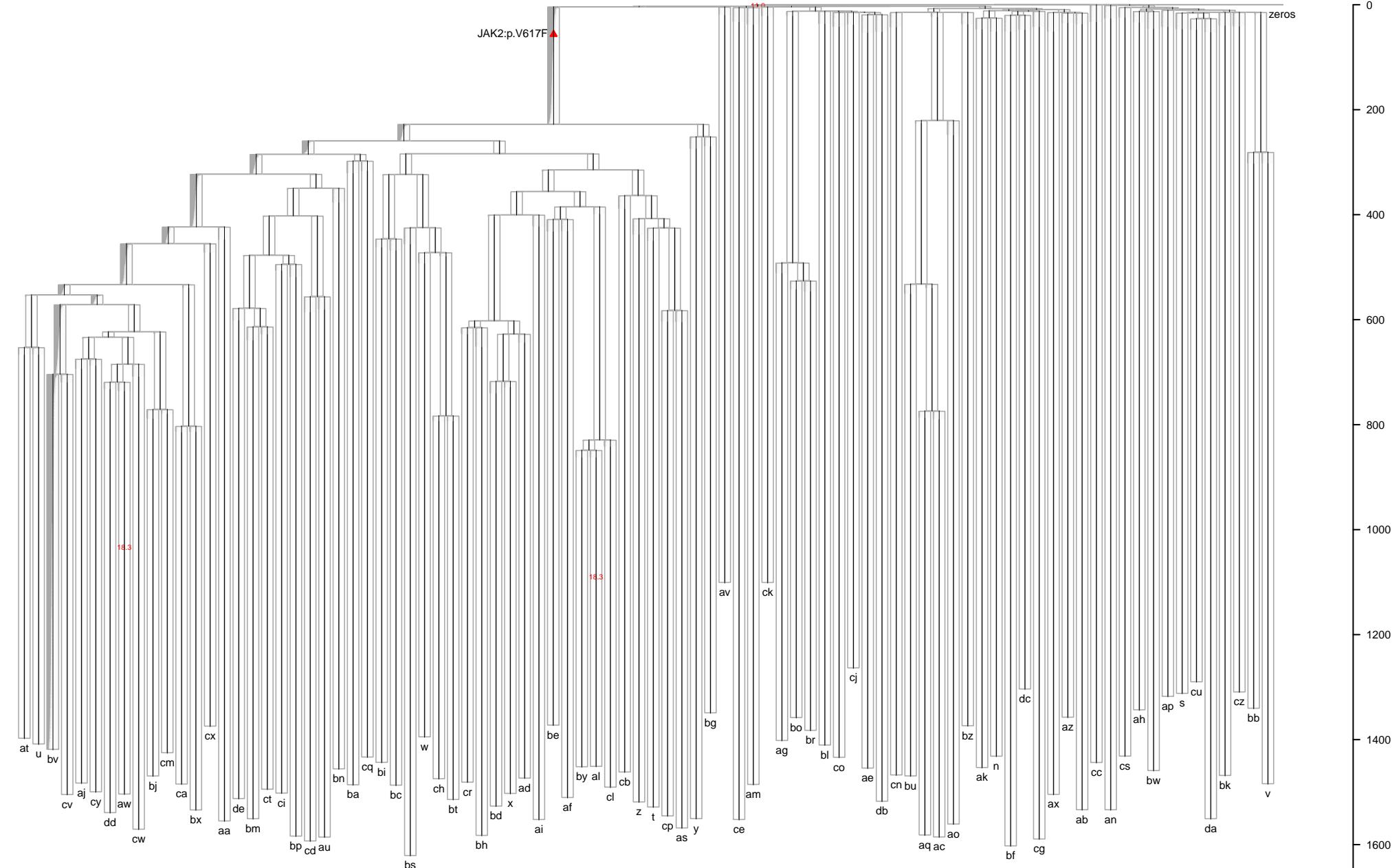
PD5117: Annotated with VAF from at
Mean Depth=20.47



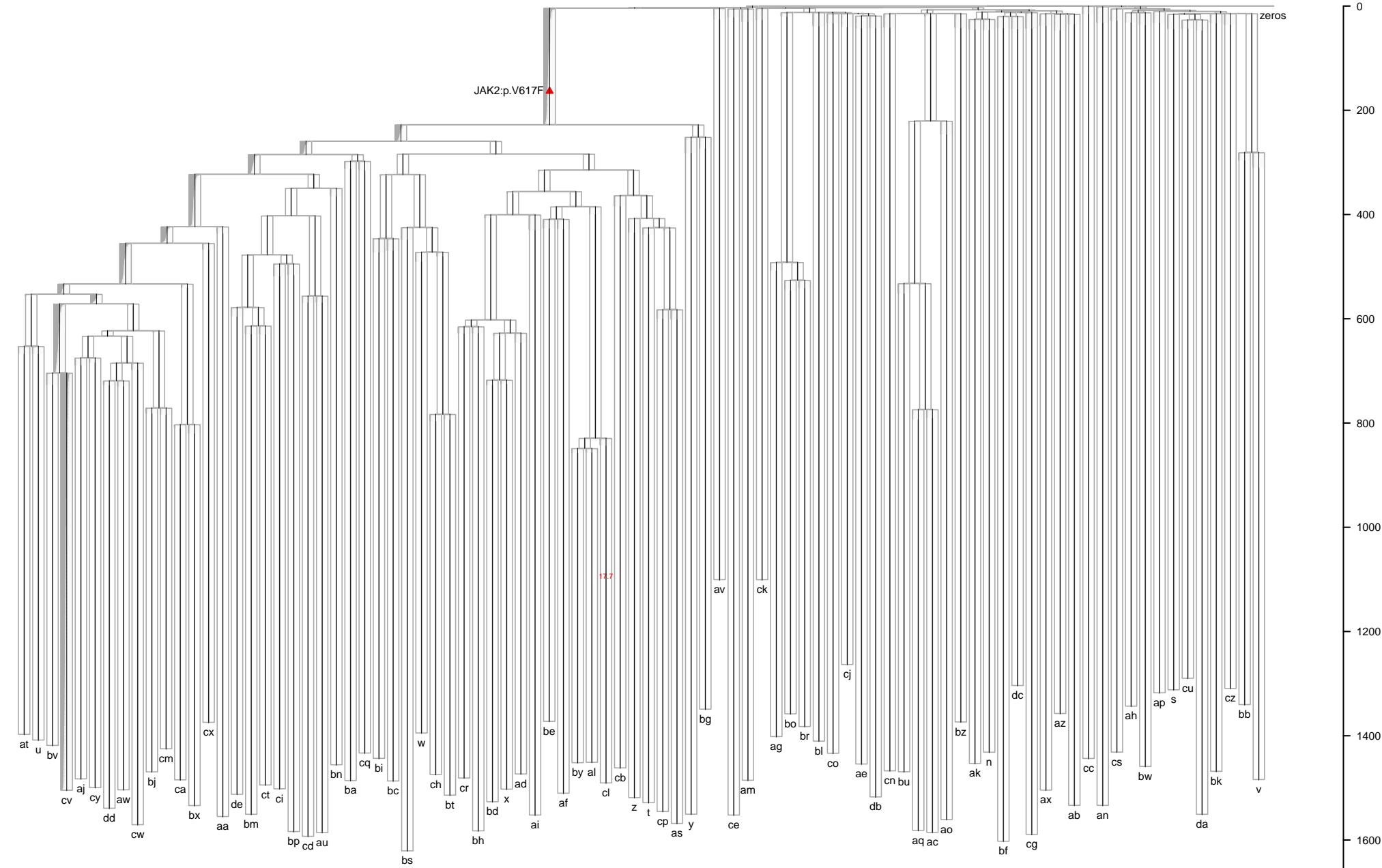
PD5117: Annotated with VAF from u
Mean Depth=16.09

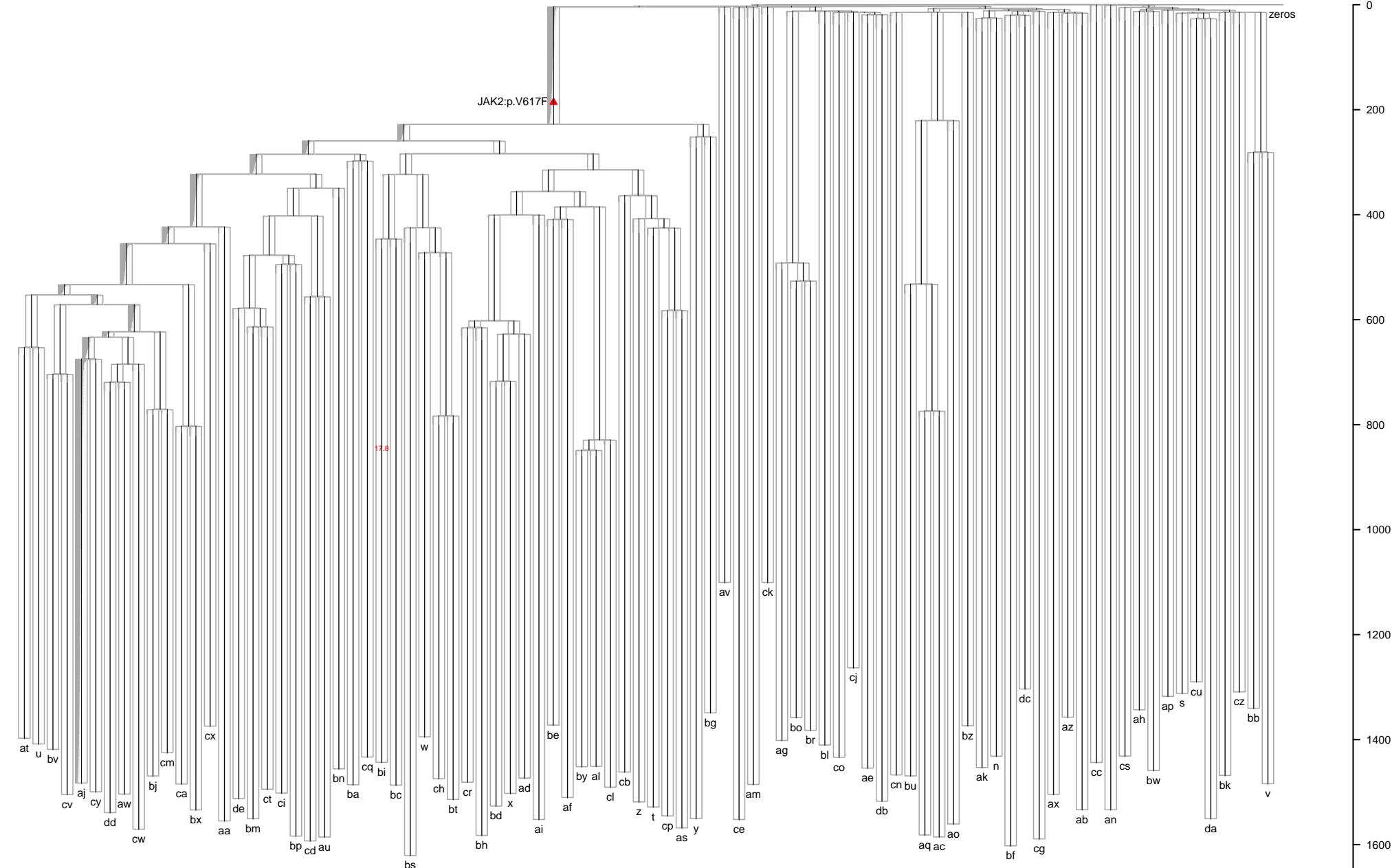


PD5117: Annotated with VAF from bv
Mean Depth=18.76

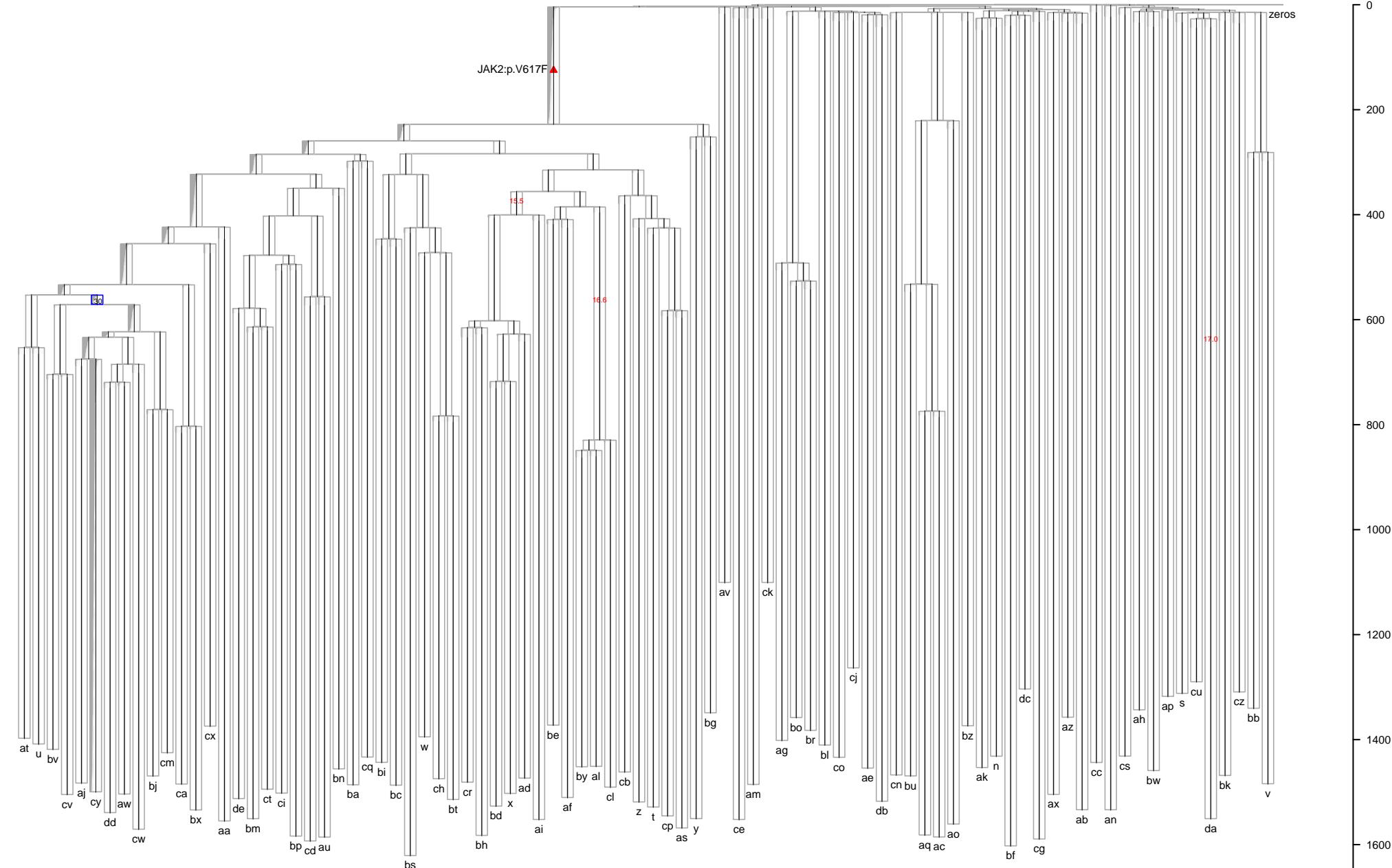


PD5117: Annotated with VAF from cv
Mean Depth=18.31

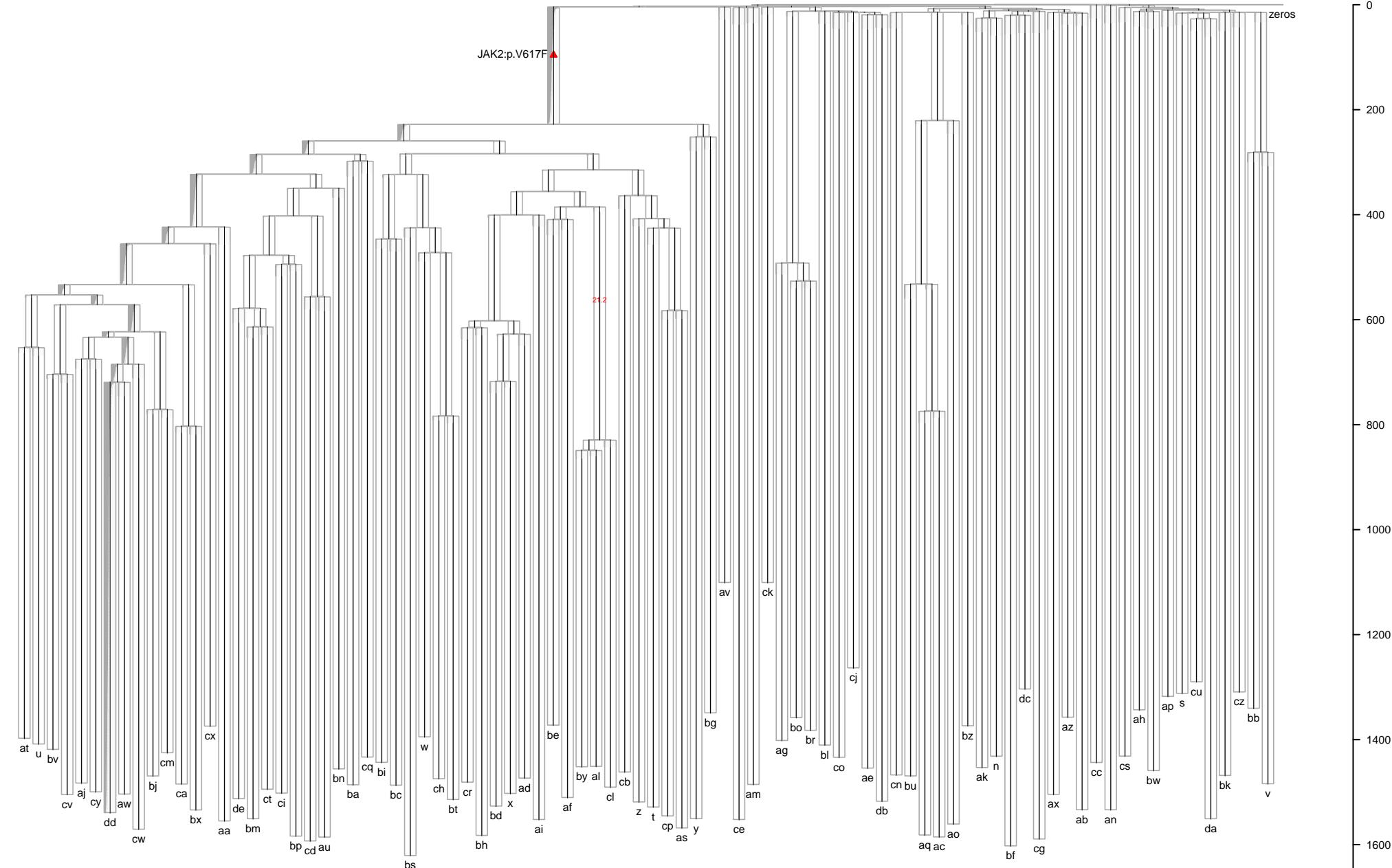




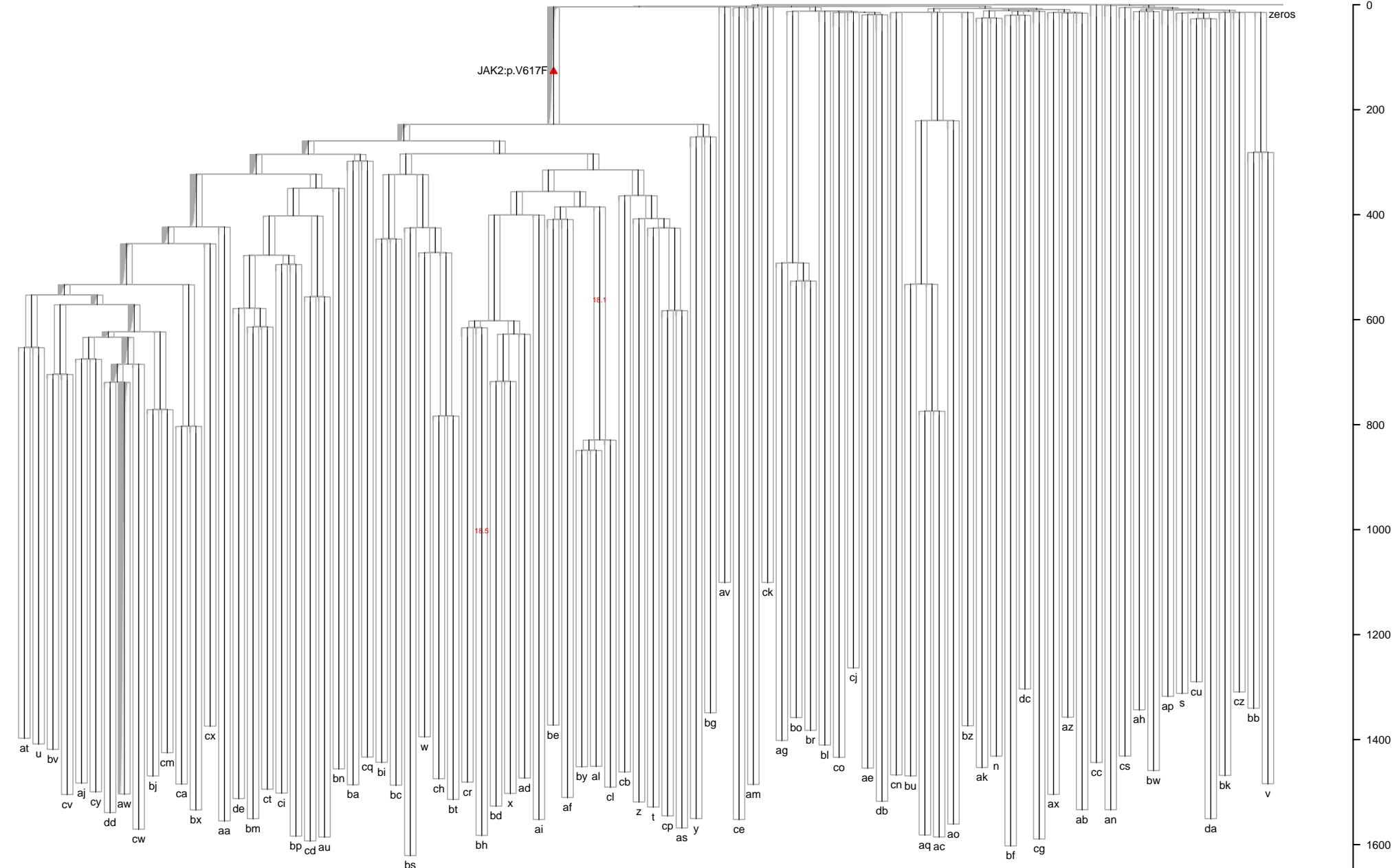
PD5117: Annotated with VAF from cy
Mean Depth=17.30



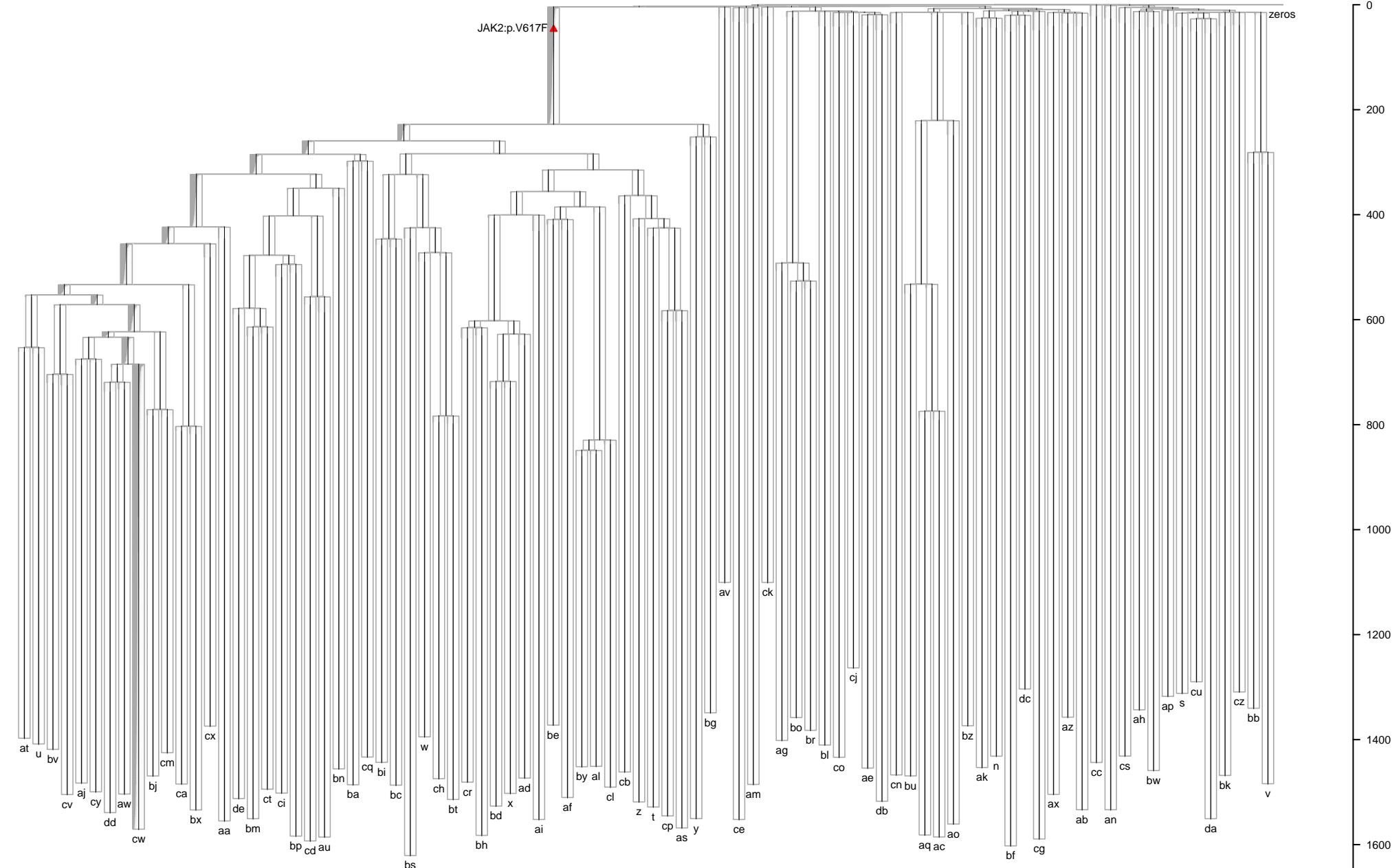
PD5117: Annotated with VAF from dd
Mean Depth=21.99



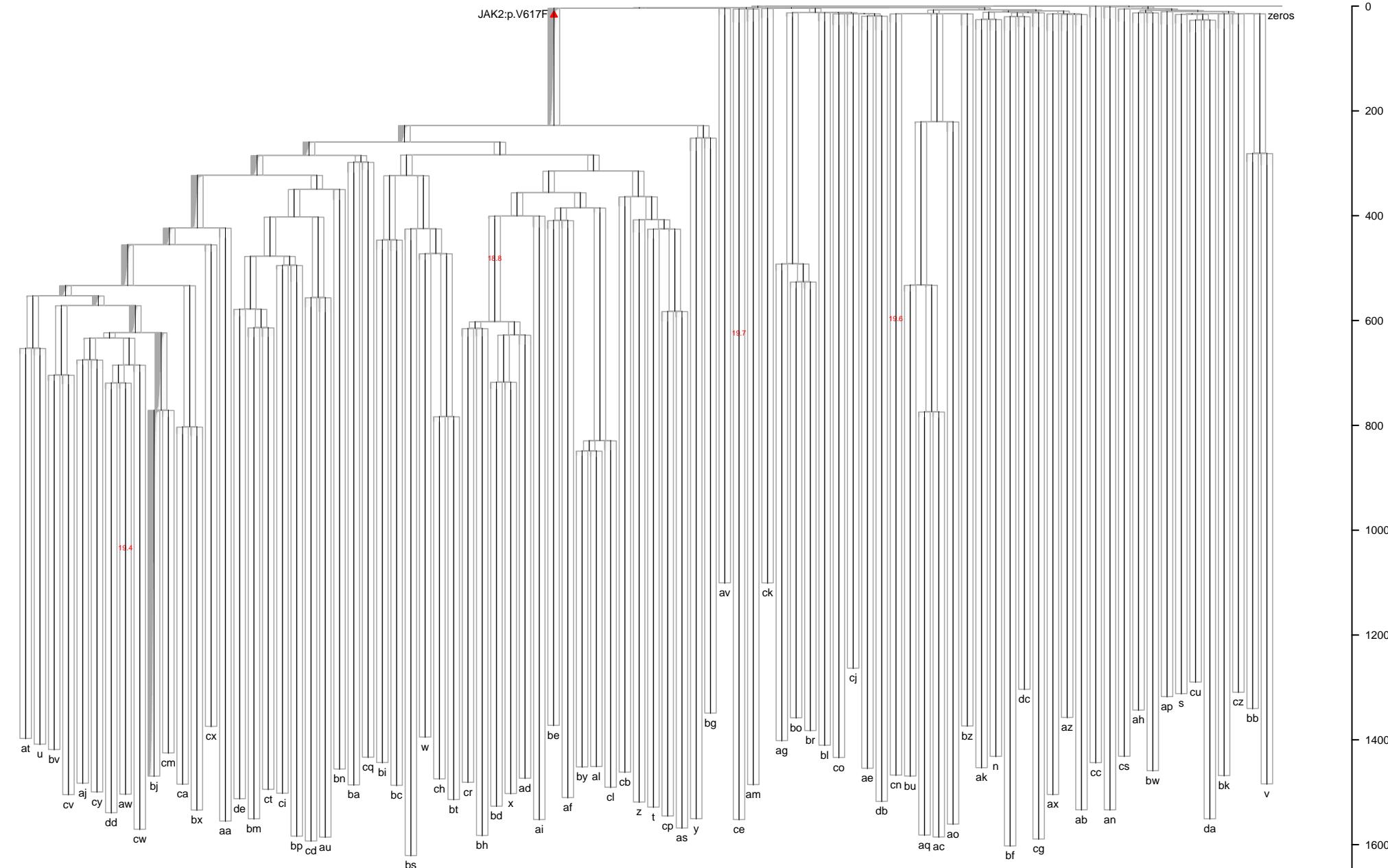
PD5117: Annotated with VAF from aw
Mean Depth=18.98



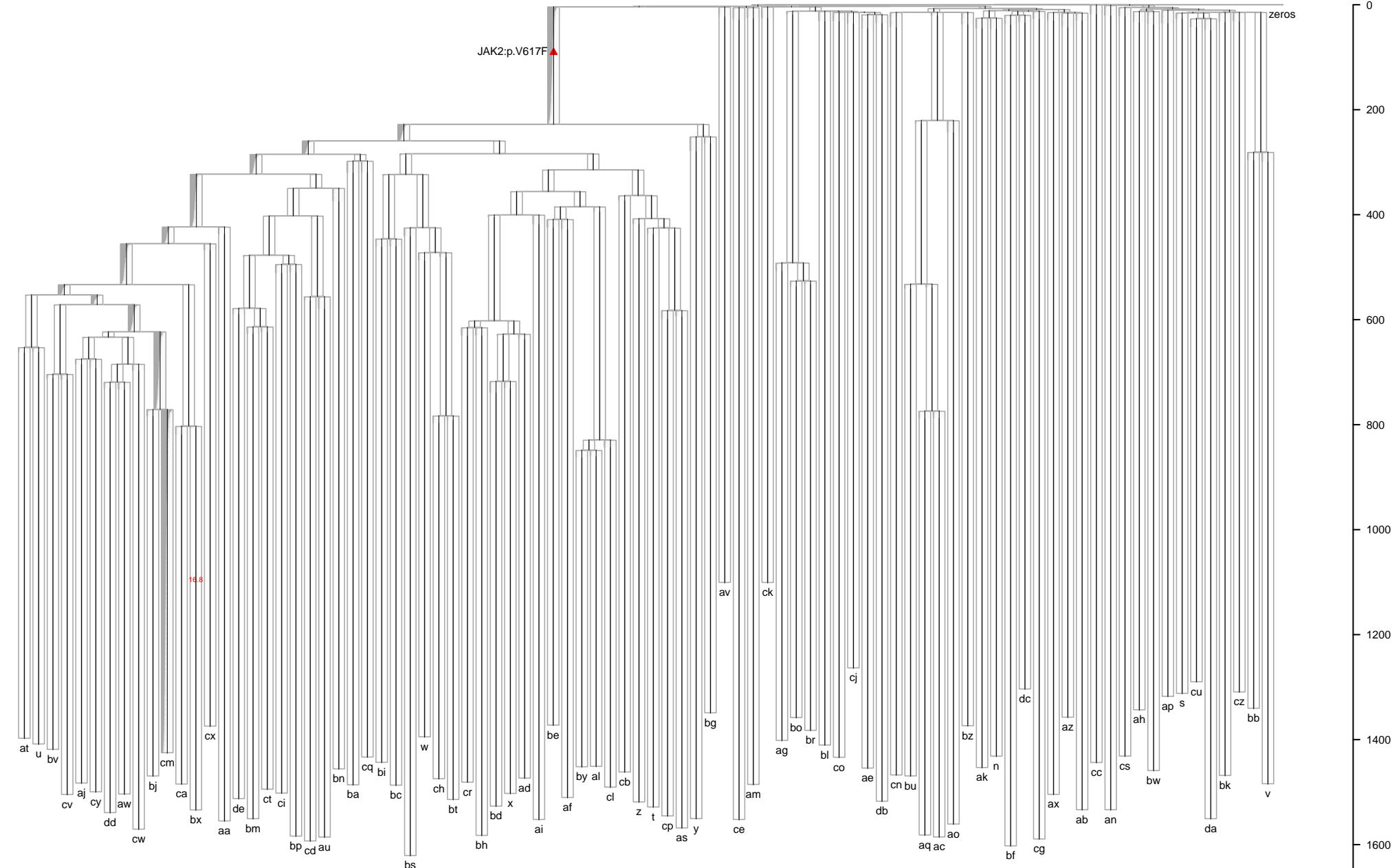
PD5117: Annotated with VAF from cw
Mean Depth=22.41



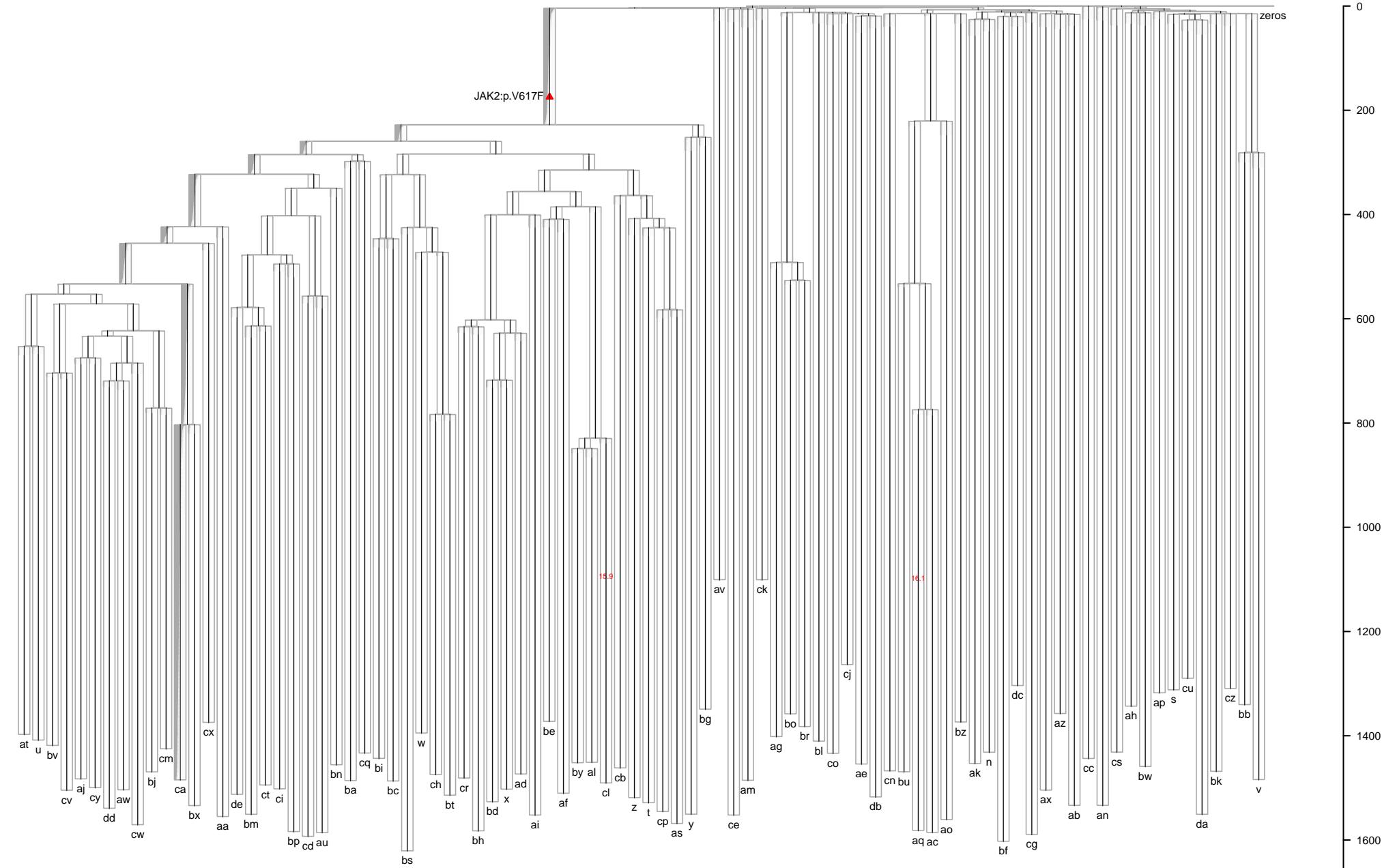
PD5117: Annotated with VAF from bj
Mean Depth=20.03



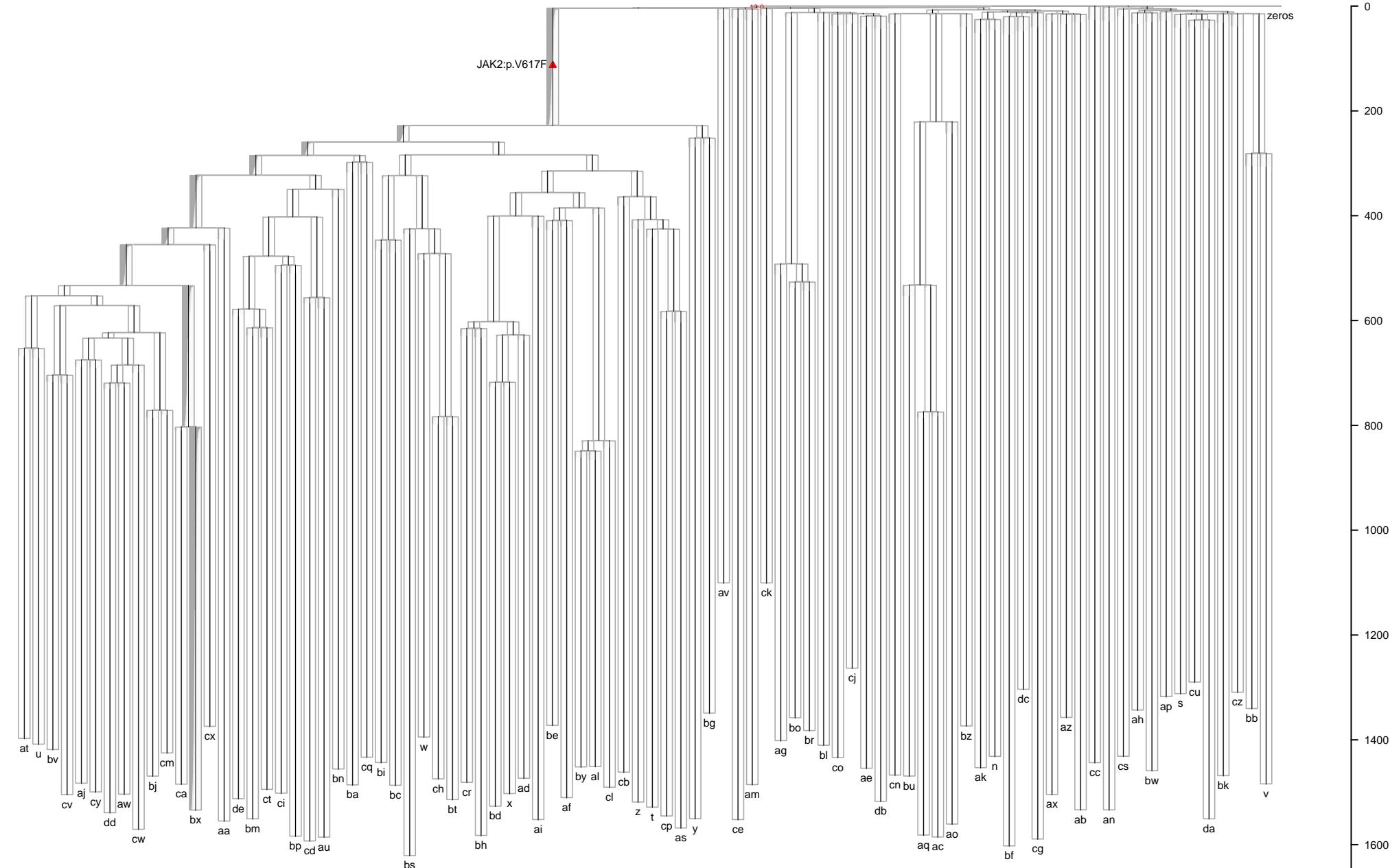
PD5117: Annotated with VAF from cm
Mean Depth=17.24



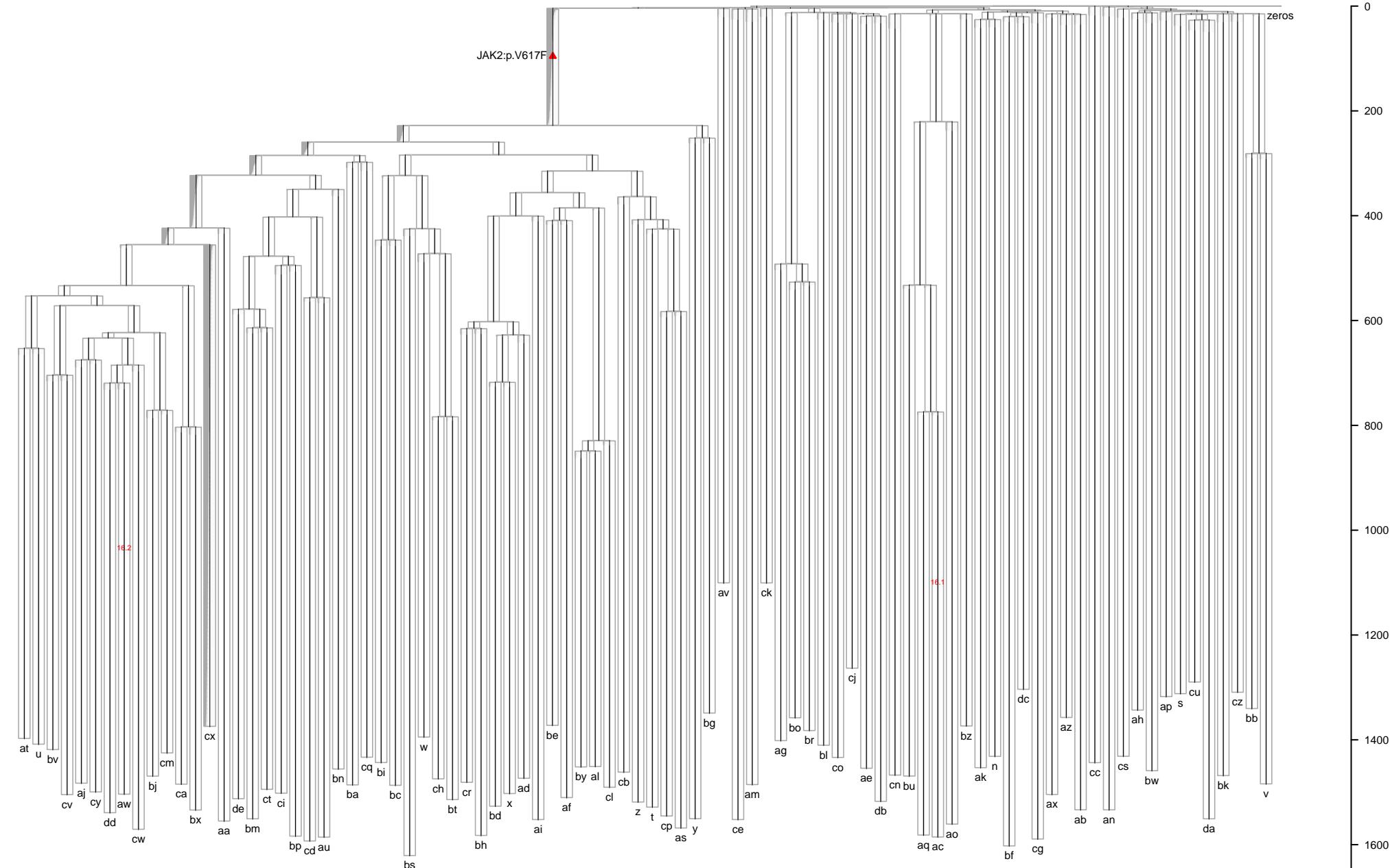
PD5117: Annotated with VAF from ca
Mean Depth=16.49



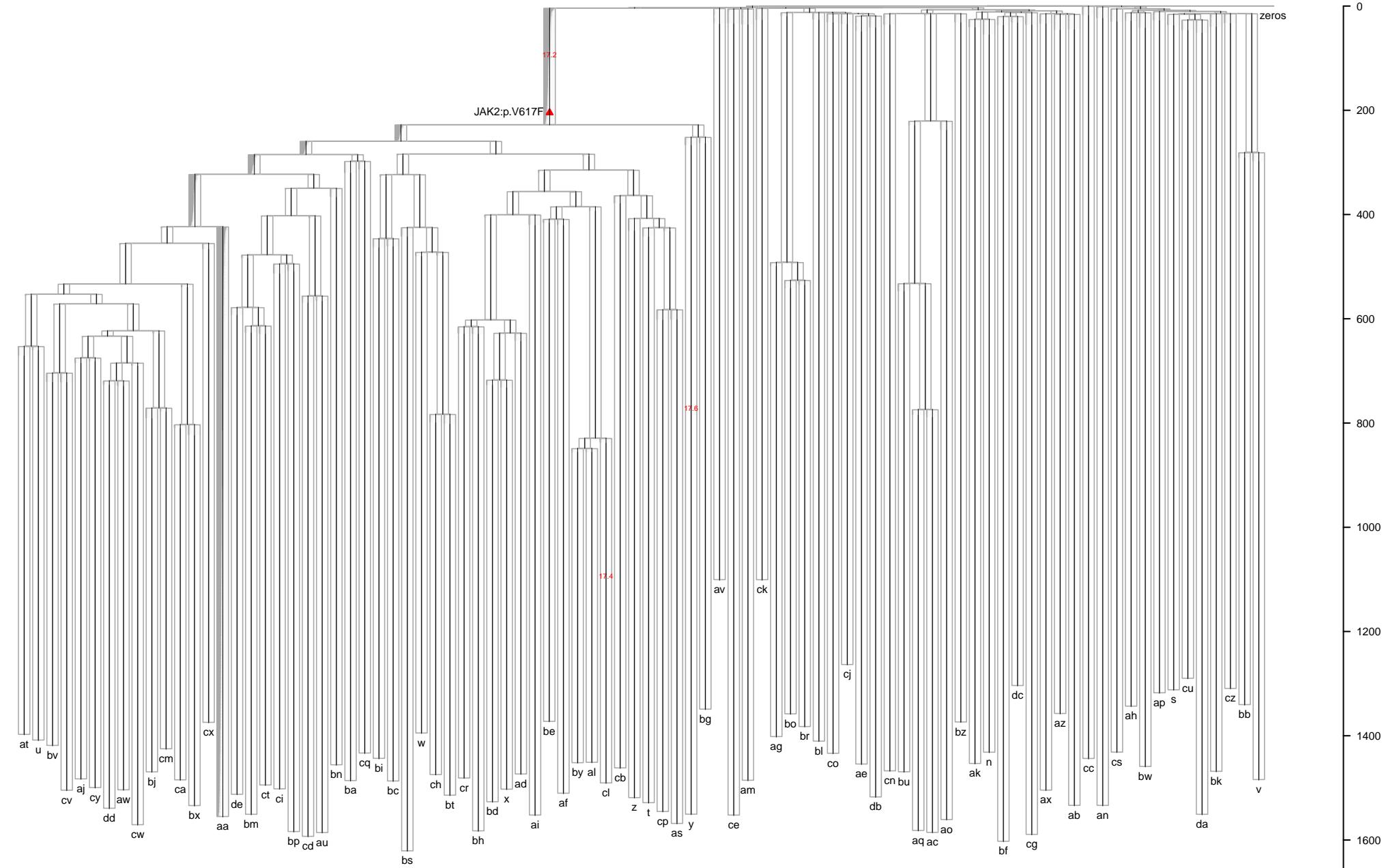
PD5117: Annotated with VAF from bx
Mean Depth=18.82



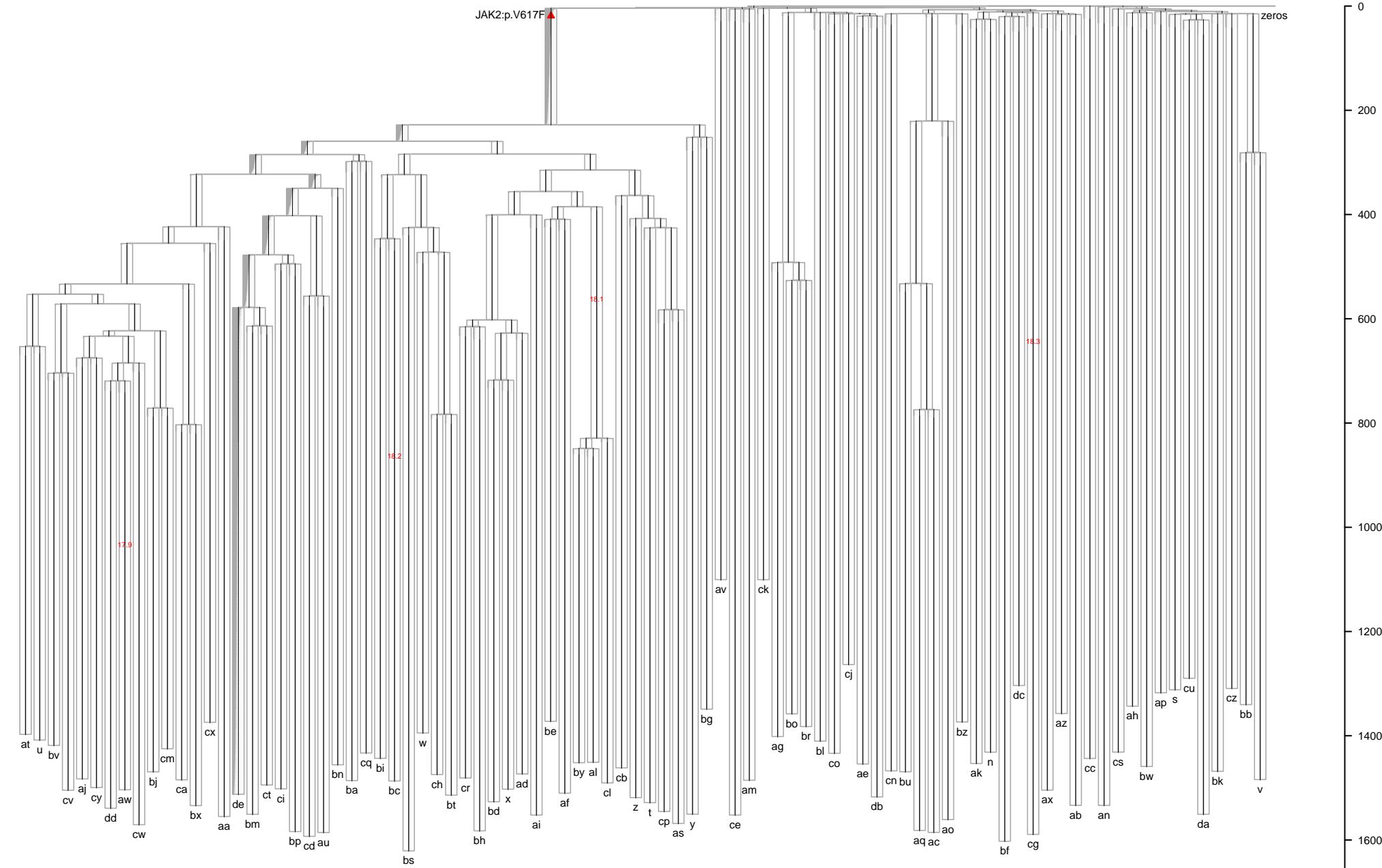
PD5117: Annotated with VAF from cx
Mean Depth=16.66



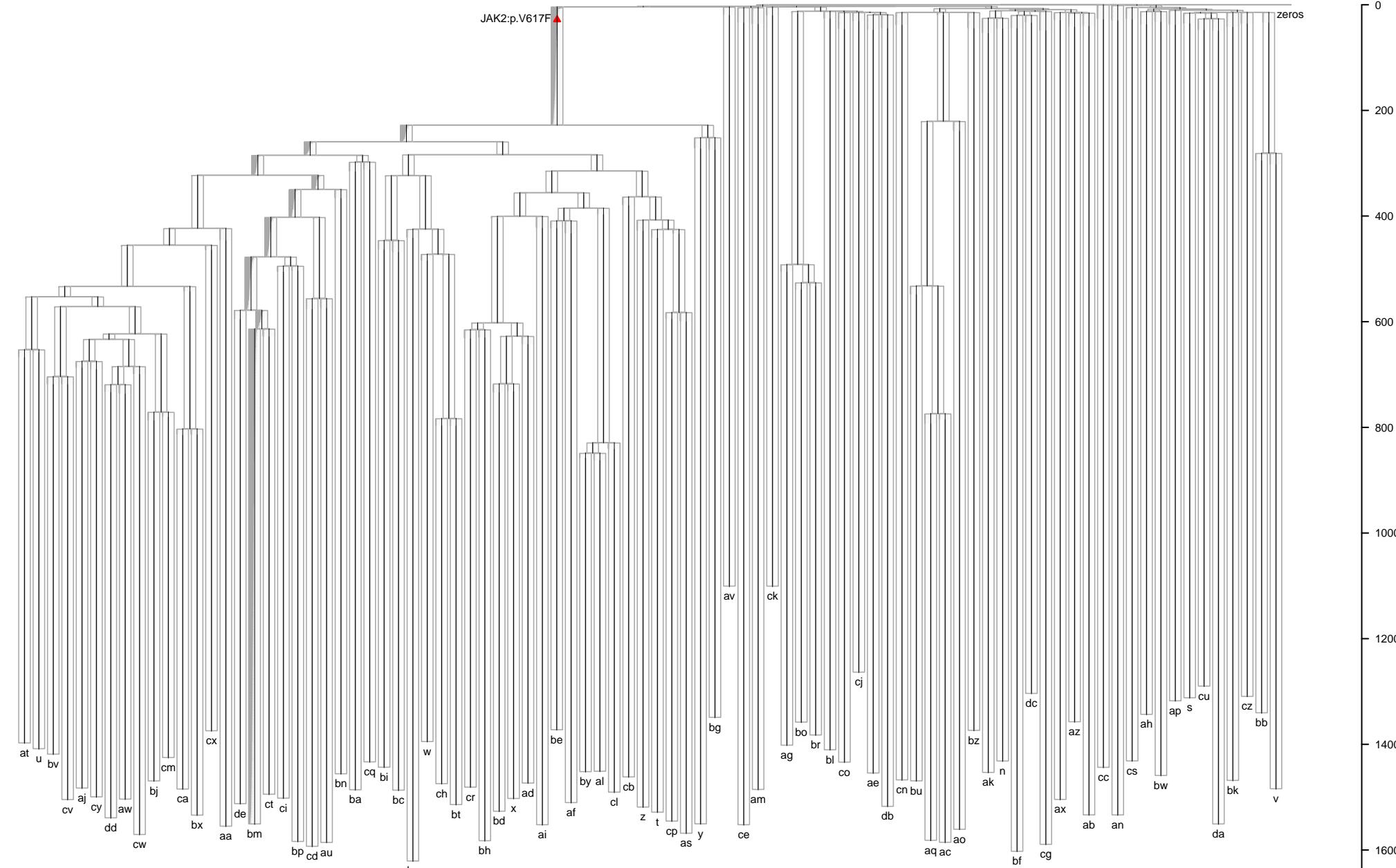
PD5117: Annotated with VAF from aa
Mean Depth=18.01

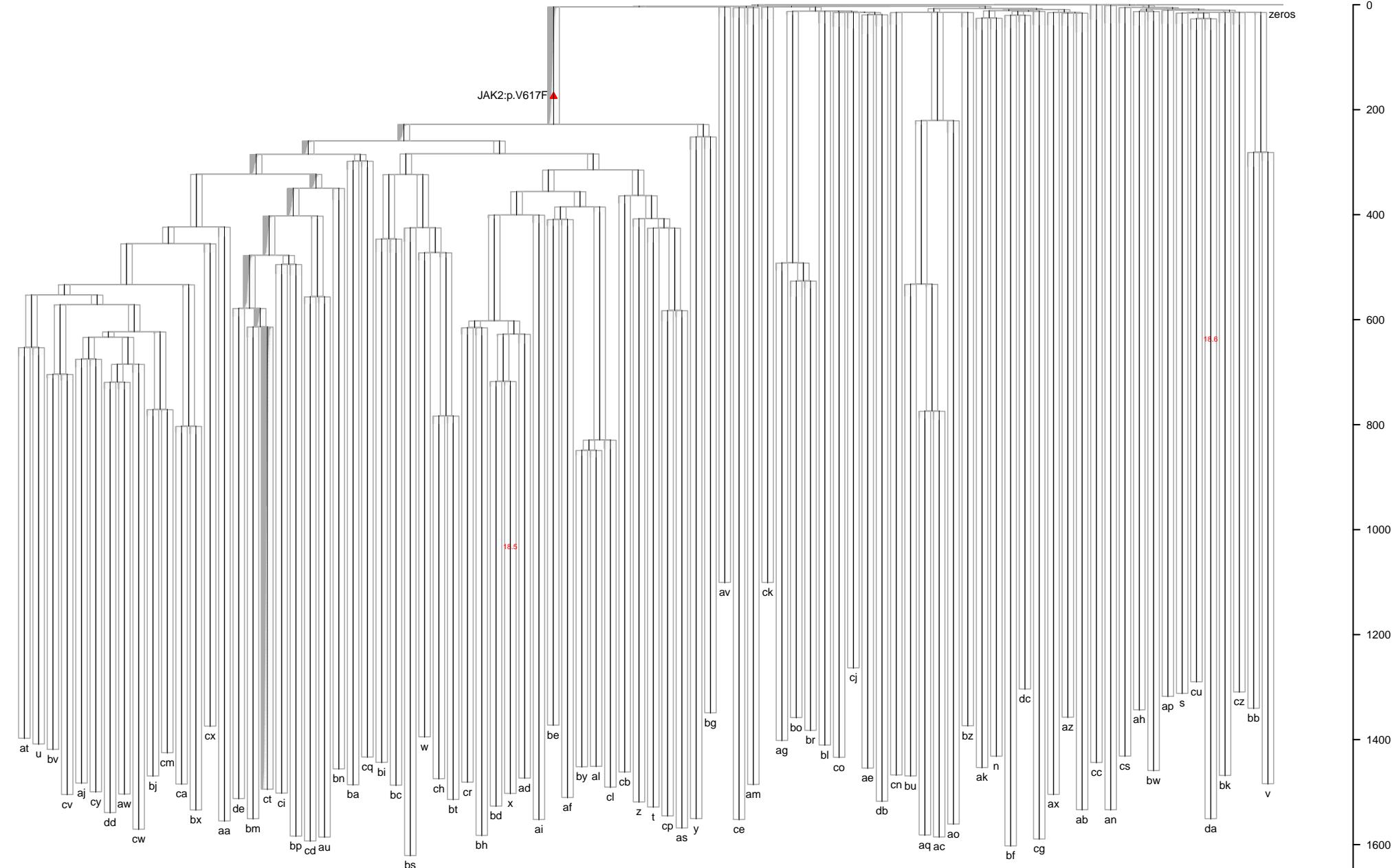


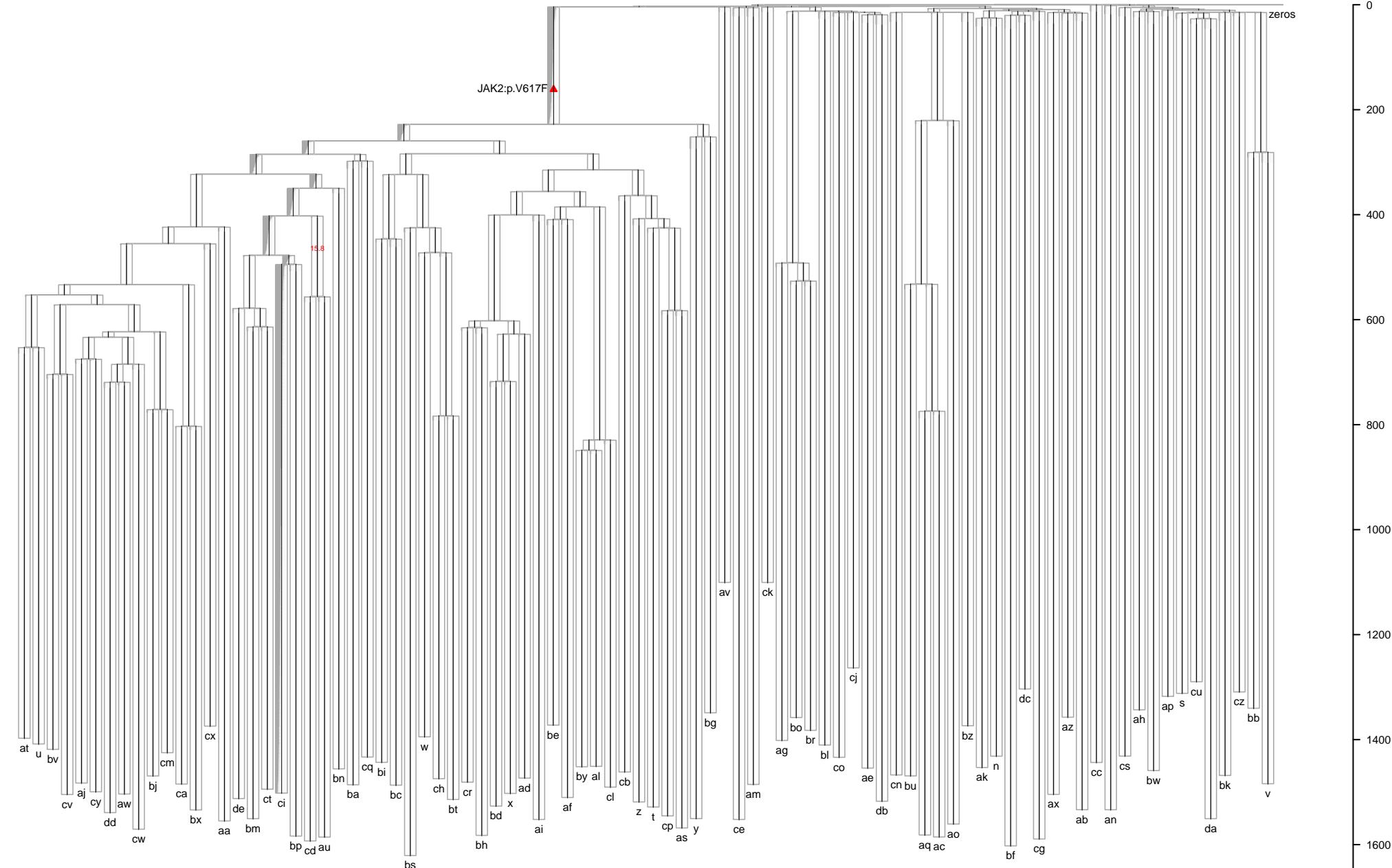
PD5117: Annotated with VAF from de
Mean Depth=18.60



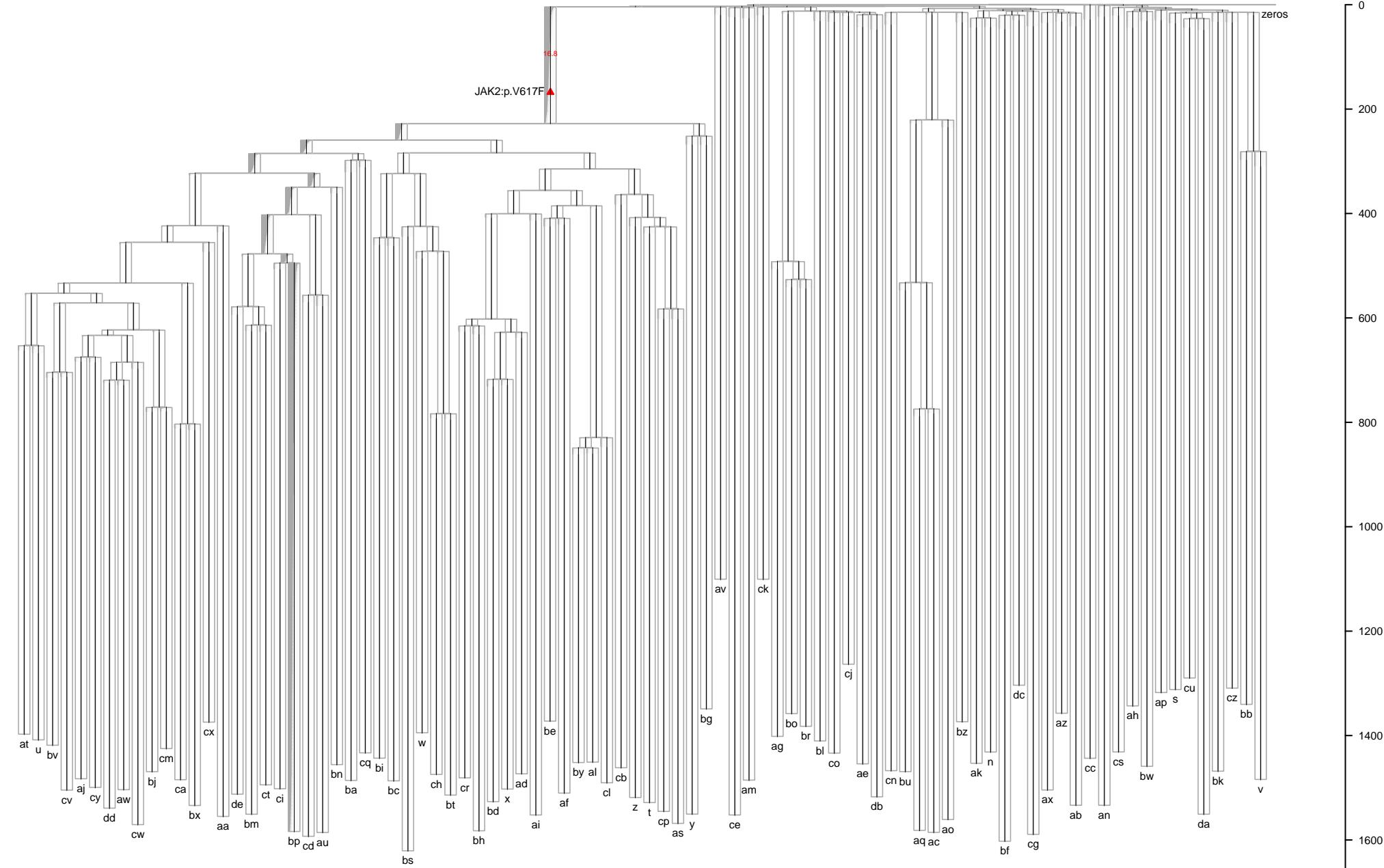
PD5117: Annotated with VAF from bm
Mean Depth=20.02



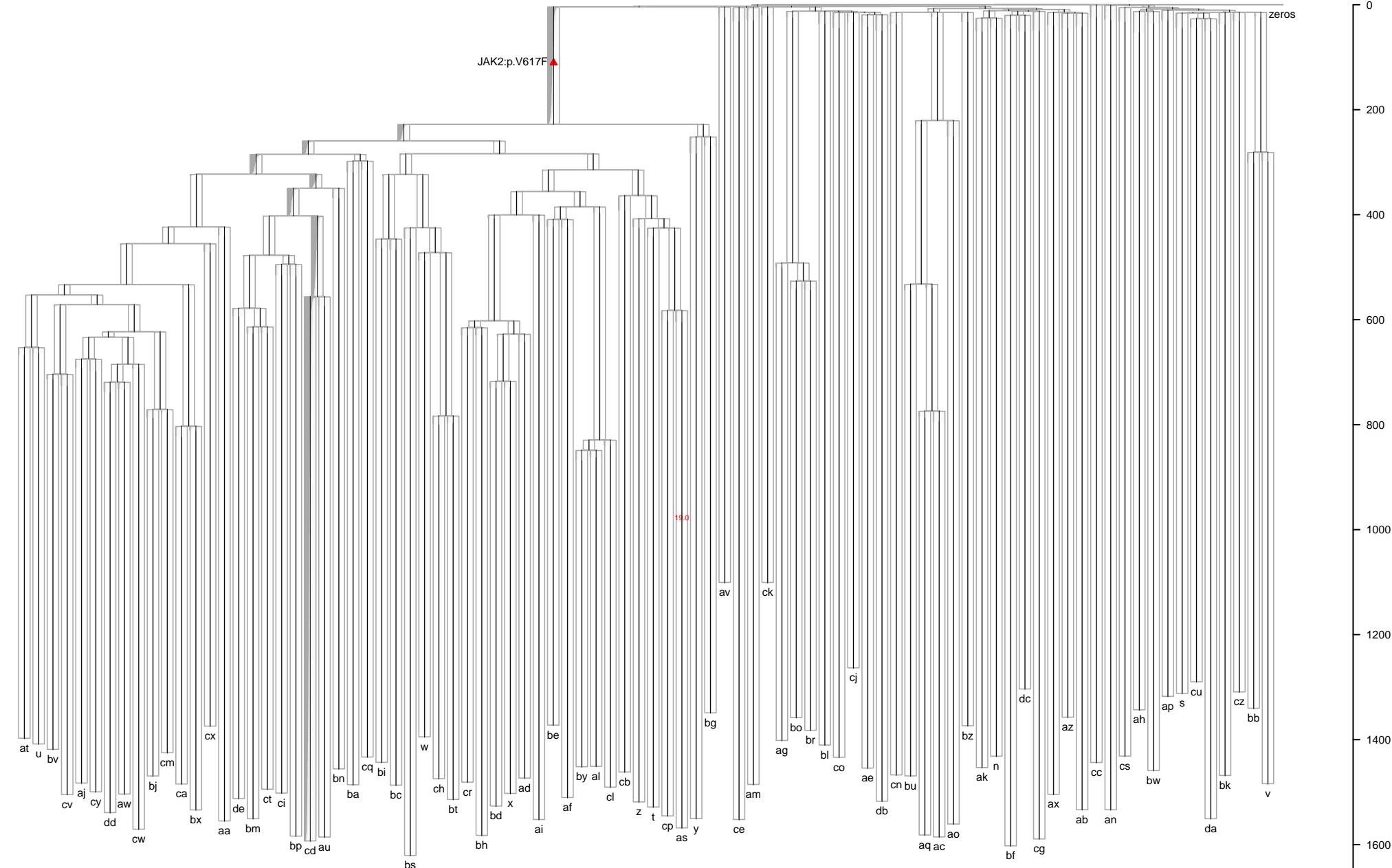




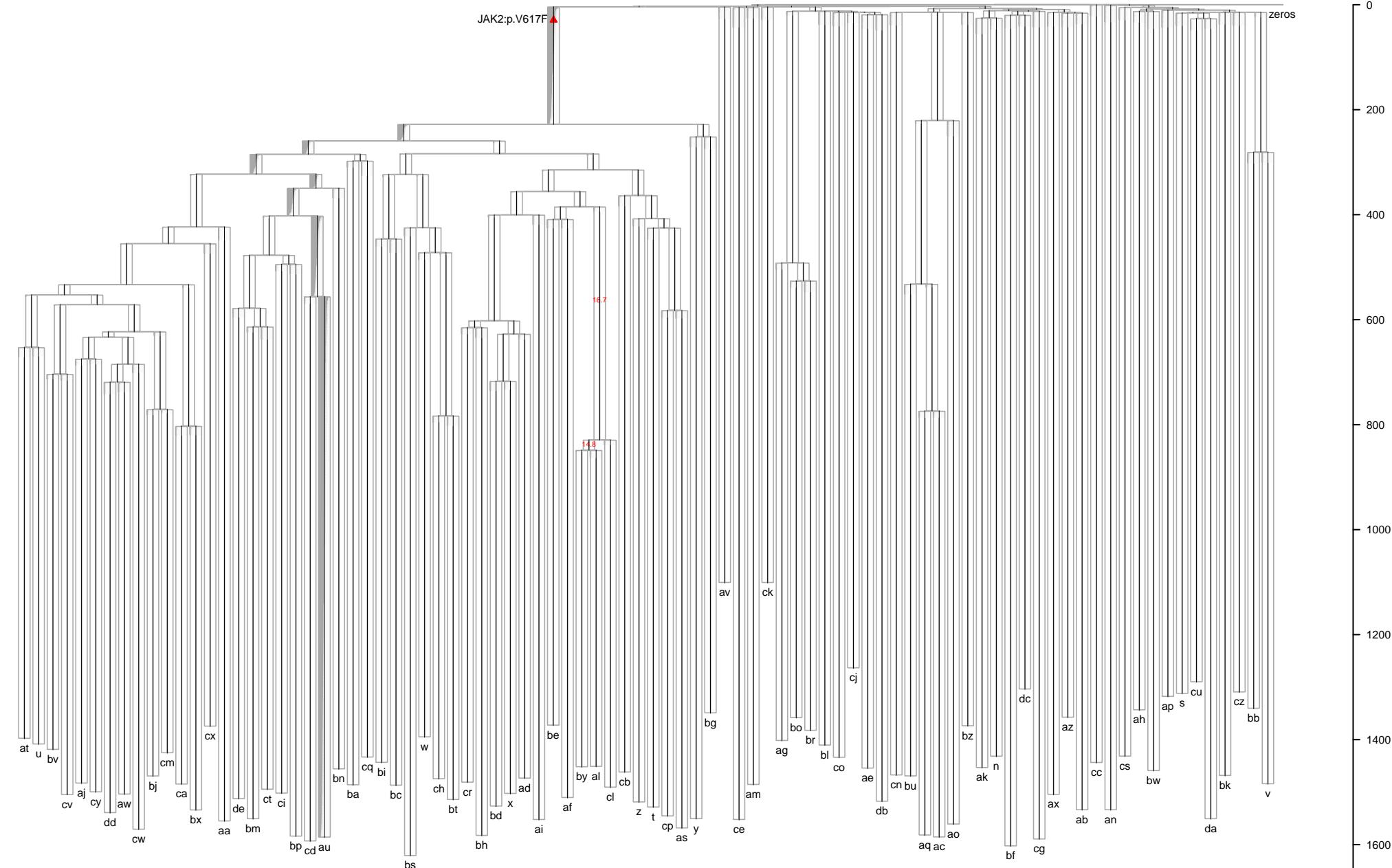
PD5117: Annotated with VAF from bp
Mean Depth=17.89



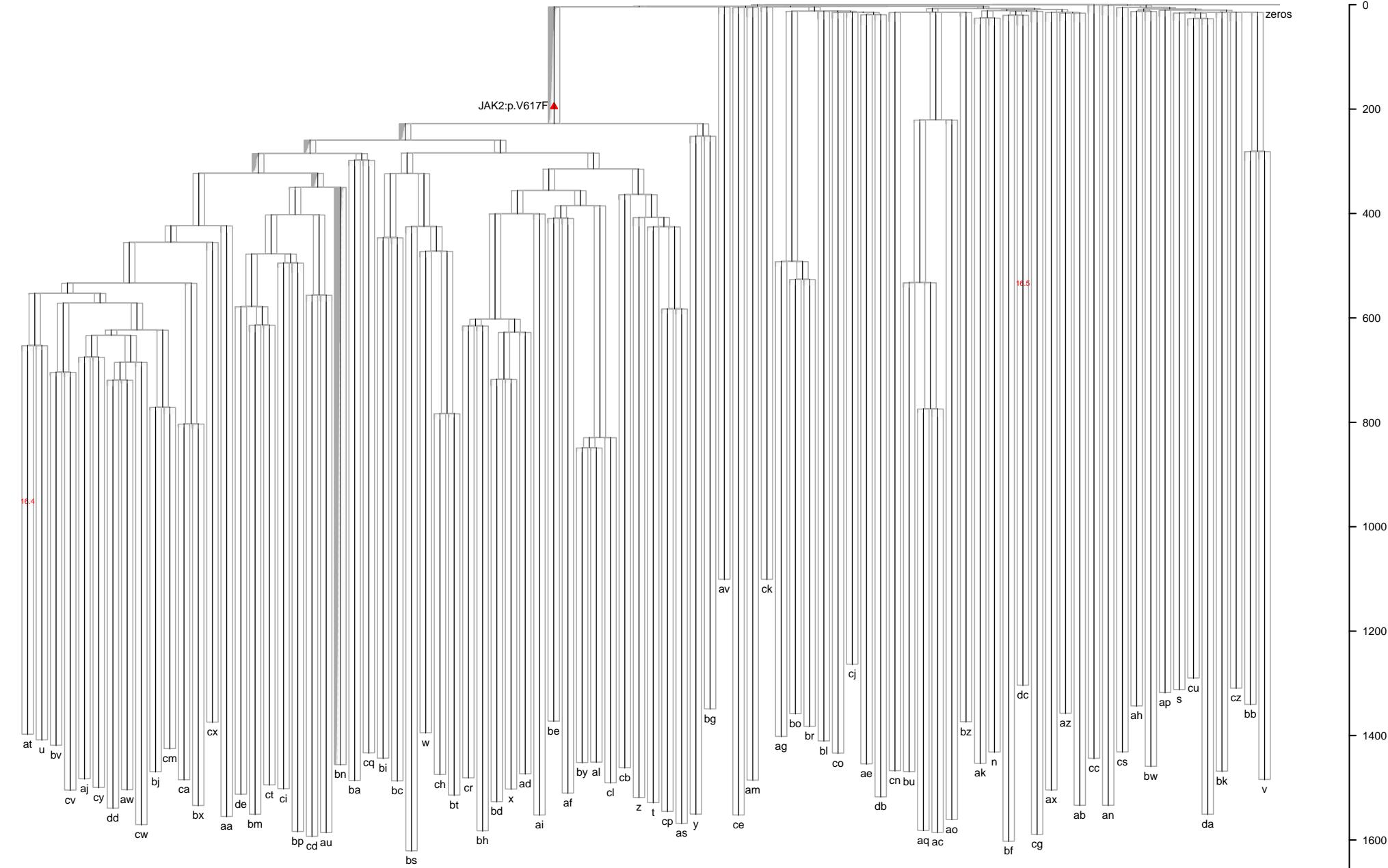
PD5117: Annotated with VAF from cd
Mean Depth=19.40



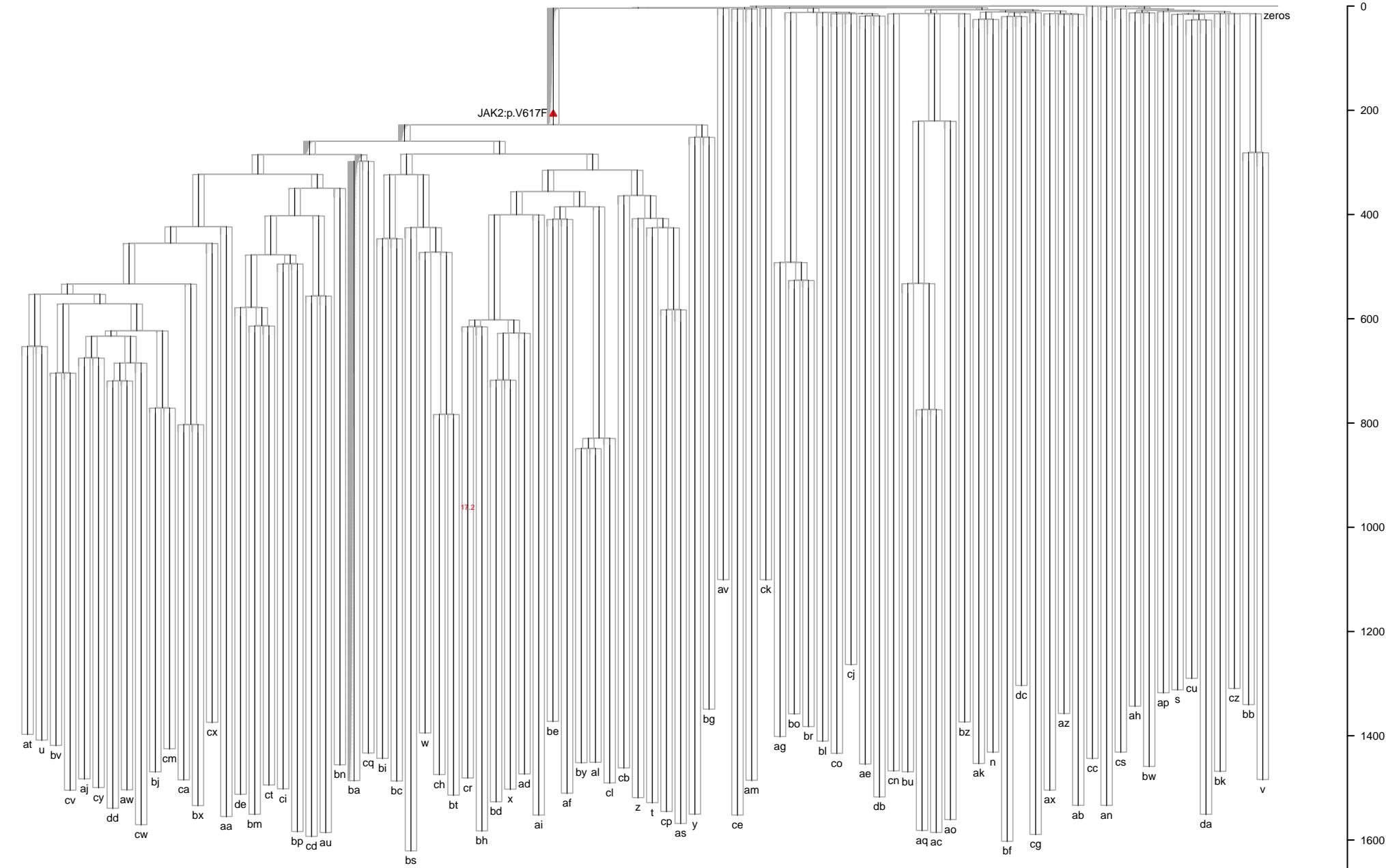
PD5117: Annotated with VAF from au
Mean Depth=17.27



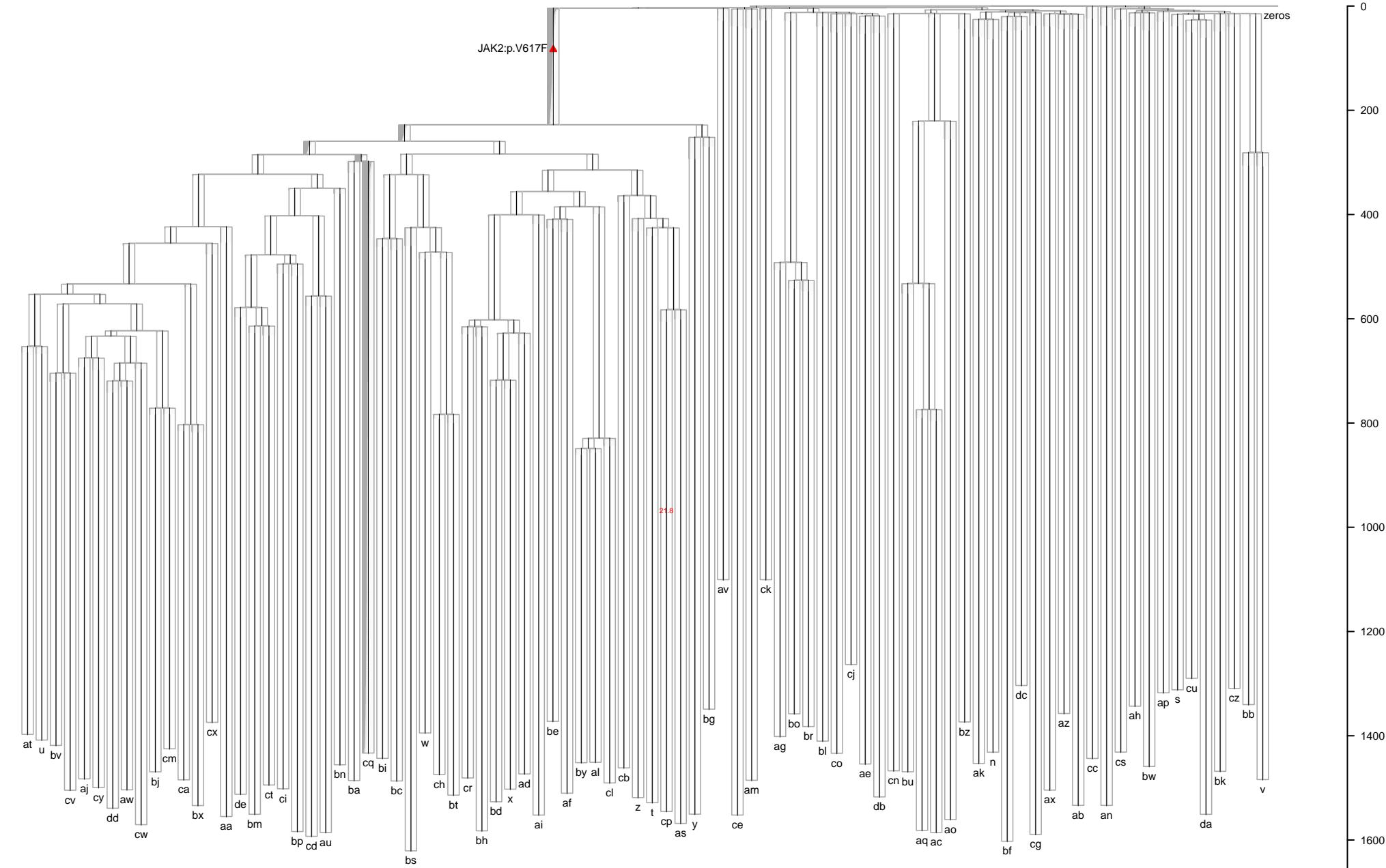
PD5117: Annotated with VAF from bn
Mean Depth=16.79

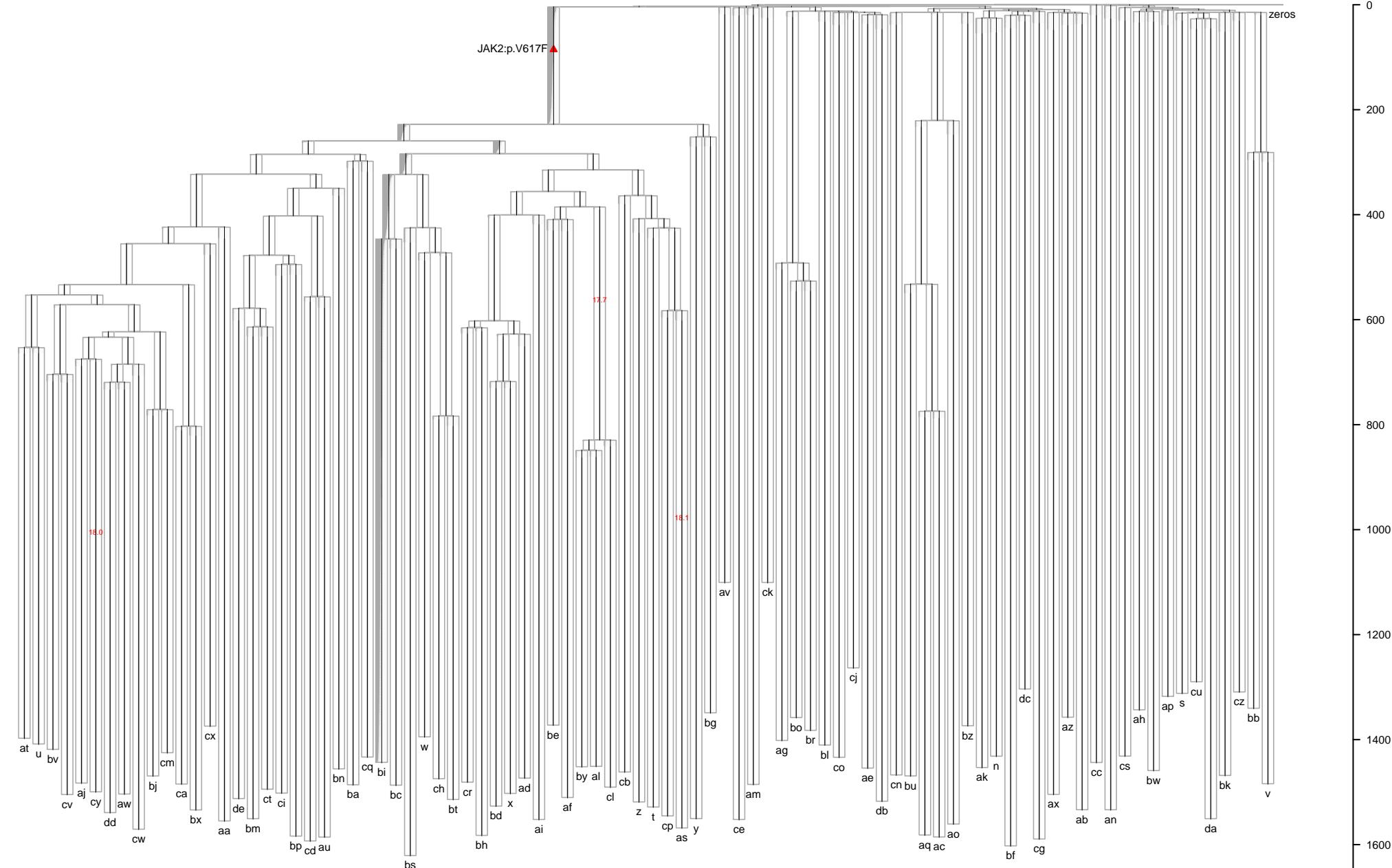


PD5117: Annotated with VAF from ba
Mean Depth=17.66

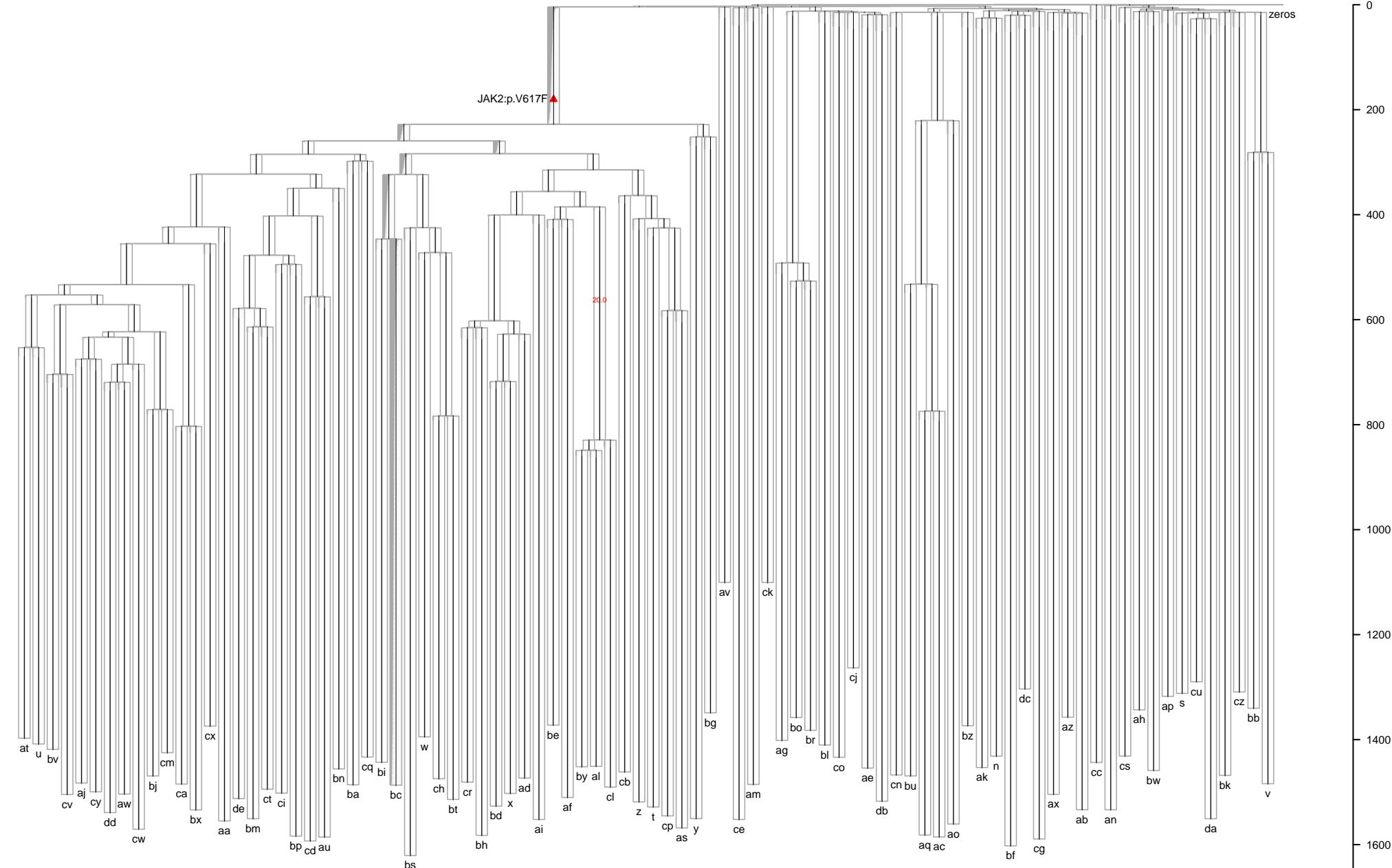


PD5117: Annotated with VAF from cq
Mean Depth=22.20

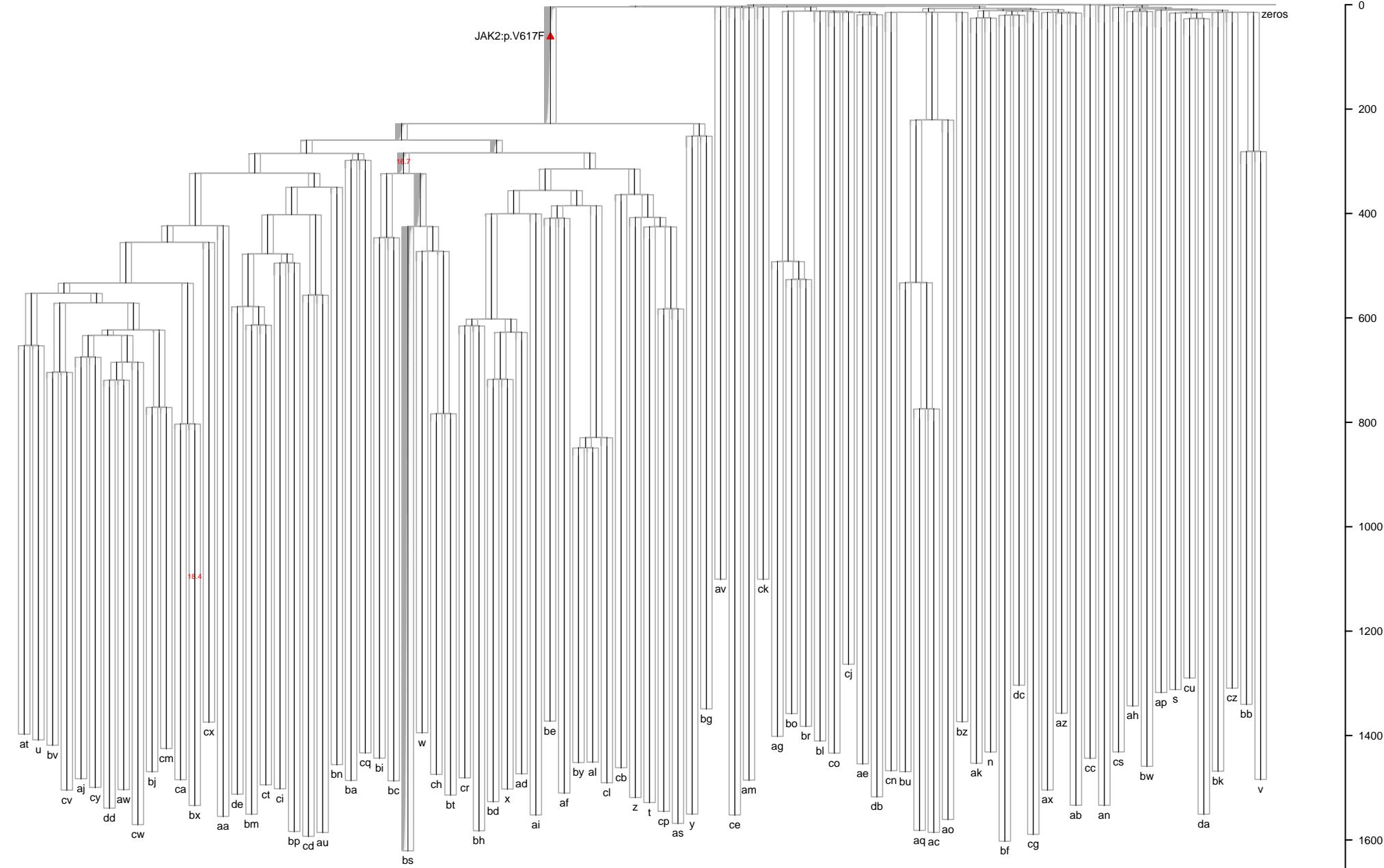




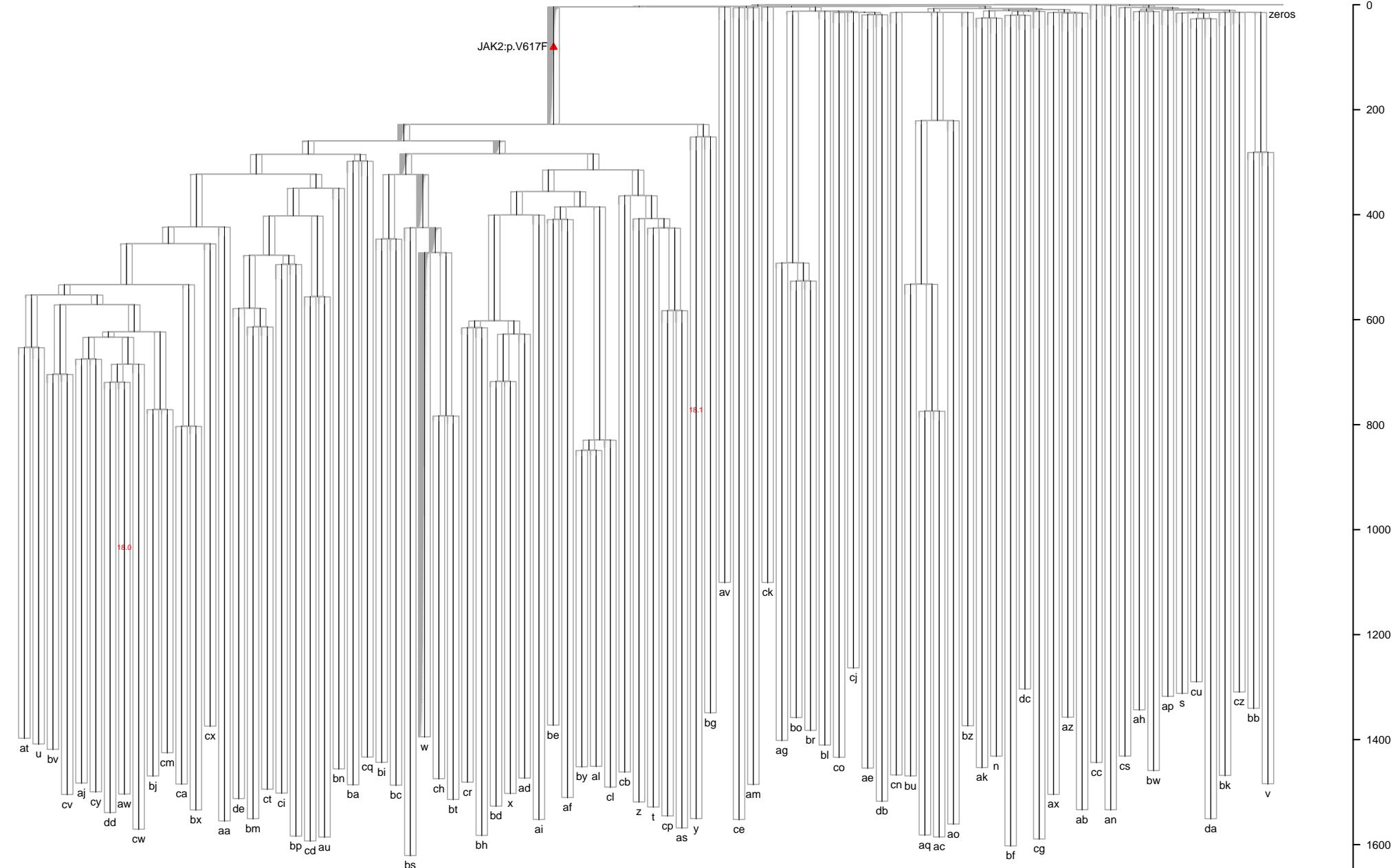
PD5117: Annotated with VAF from bc
Mean Depth=20.63



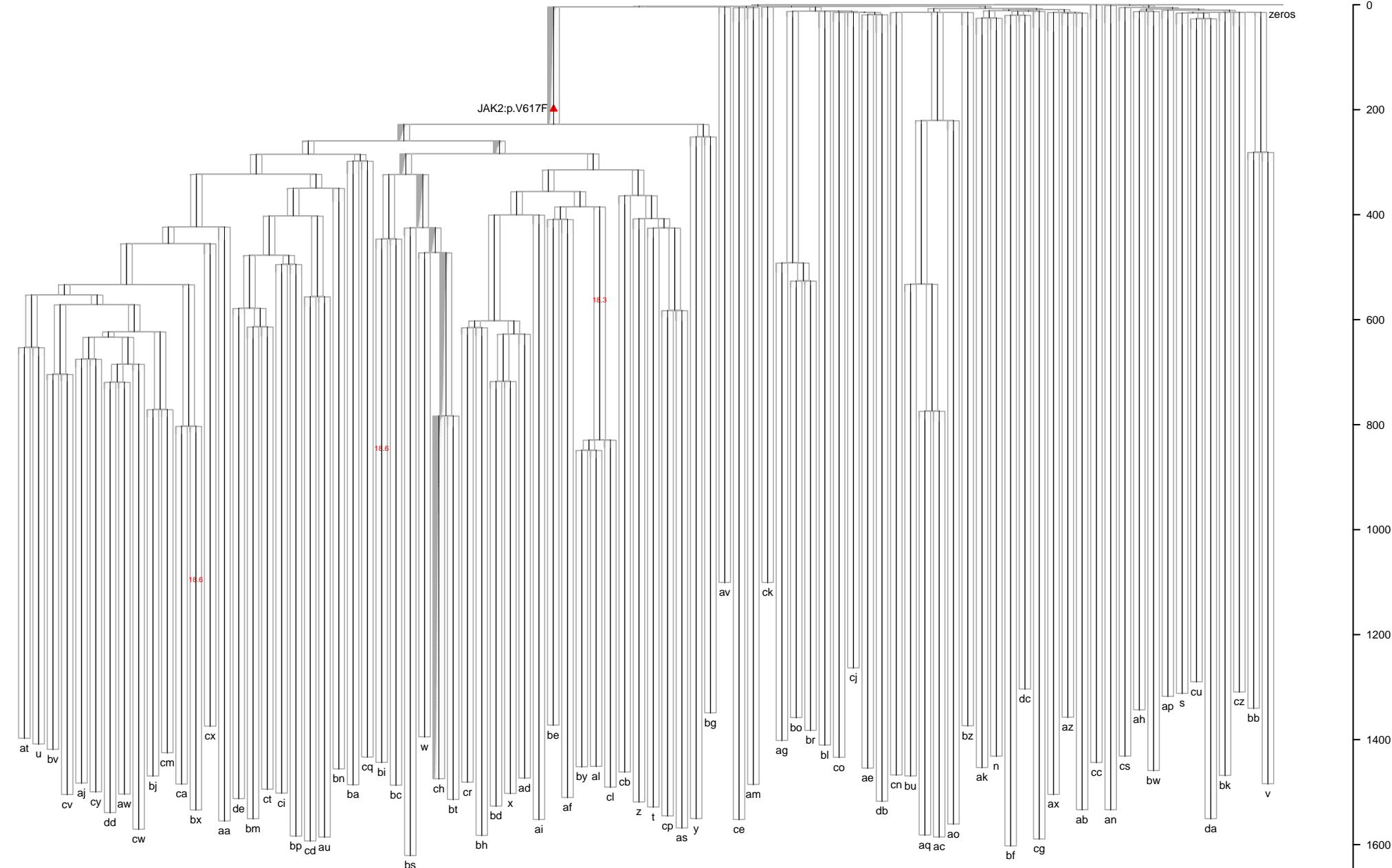
PD5117: Annotated with VAF from bs
Mean Depth=18.85



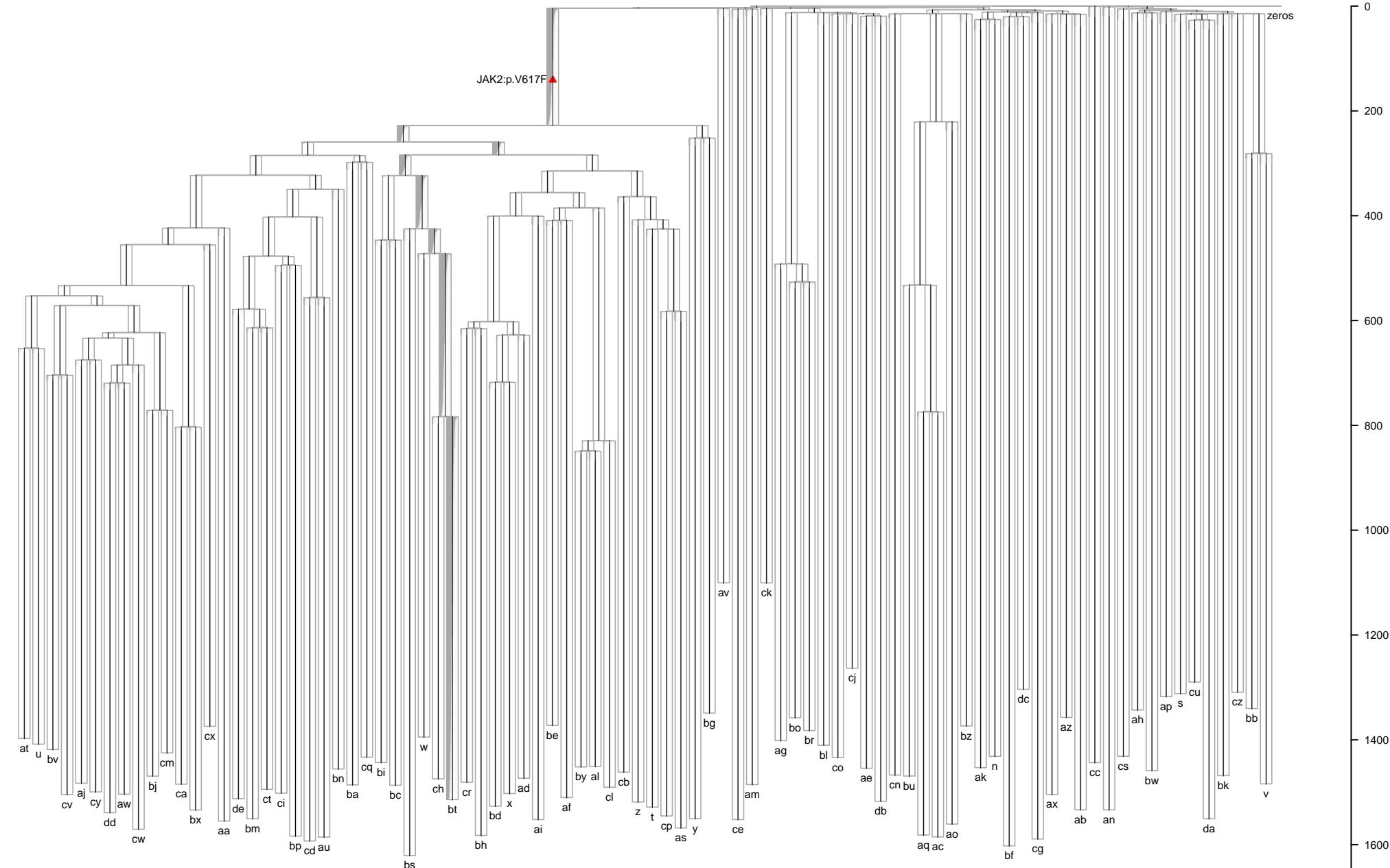
PD5117: Annotated with VAF from w
Mean Depth=18.45

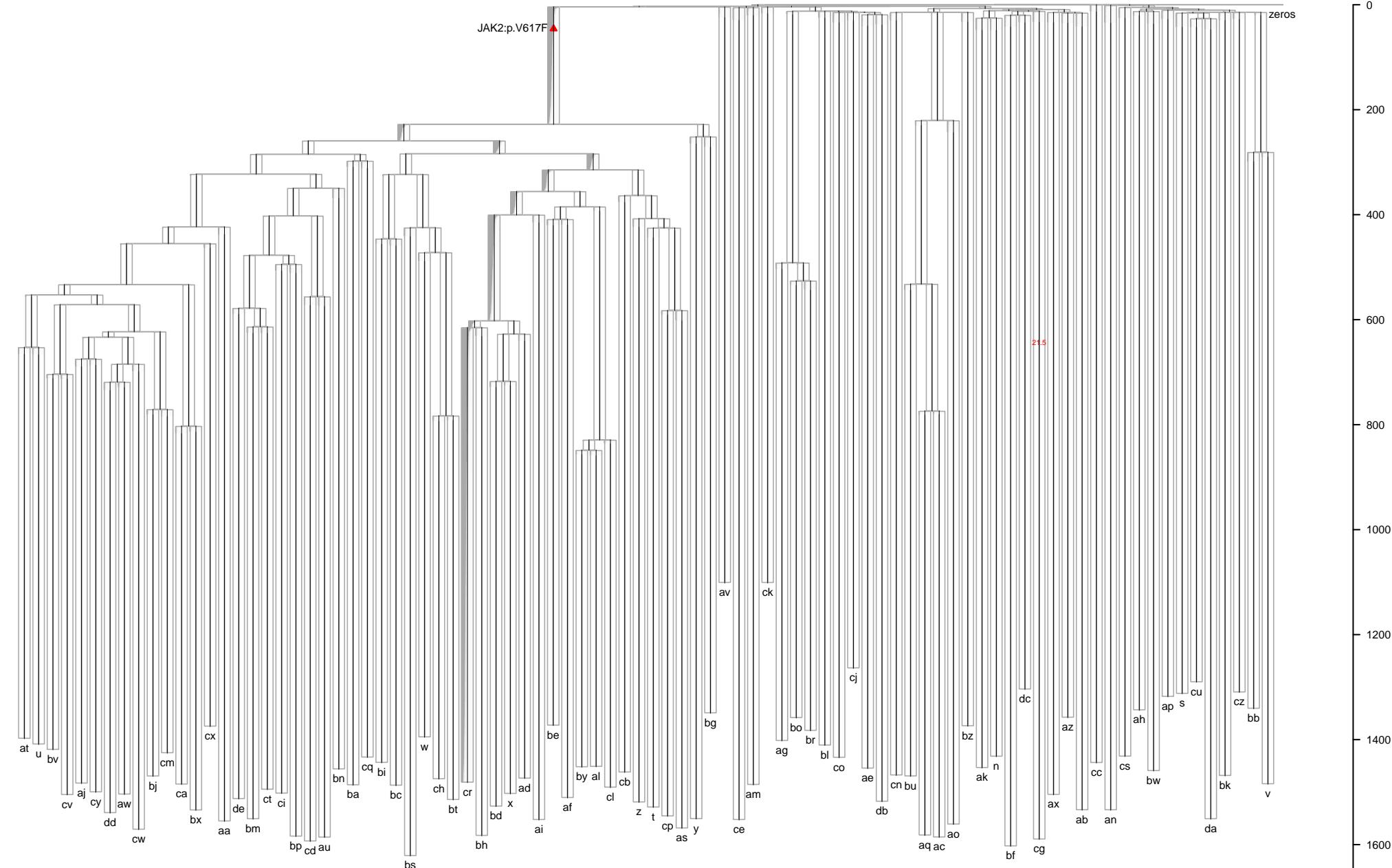


PD5117: Annotated with VAF from ch
Mean Depth=19.08

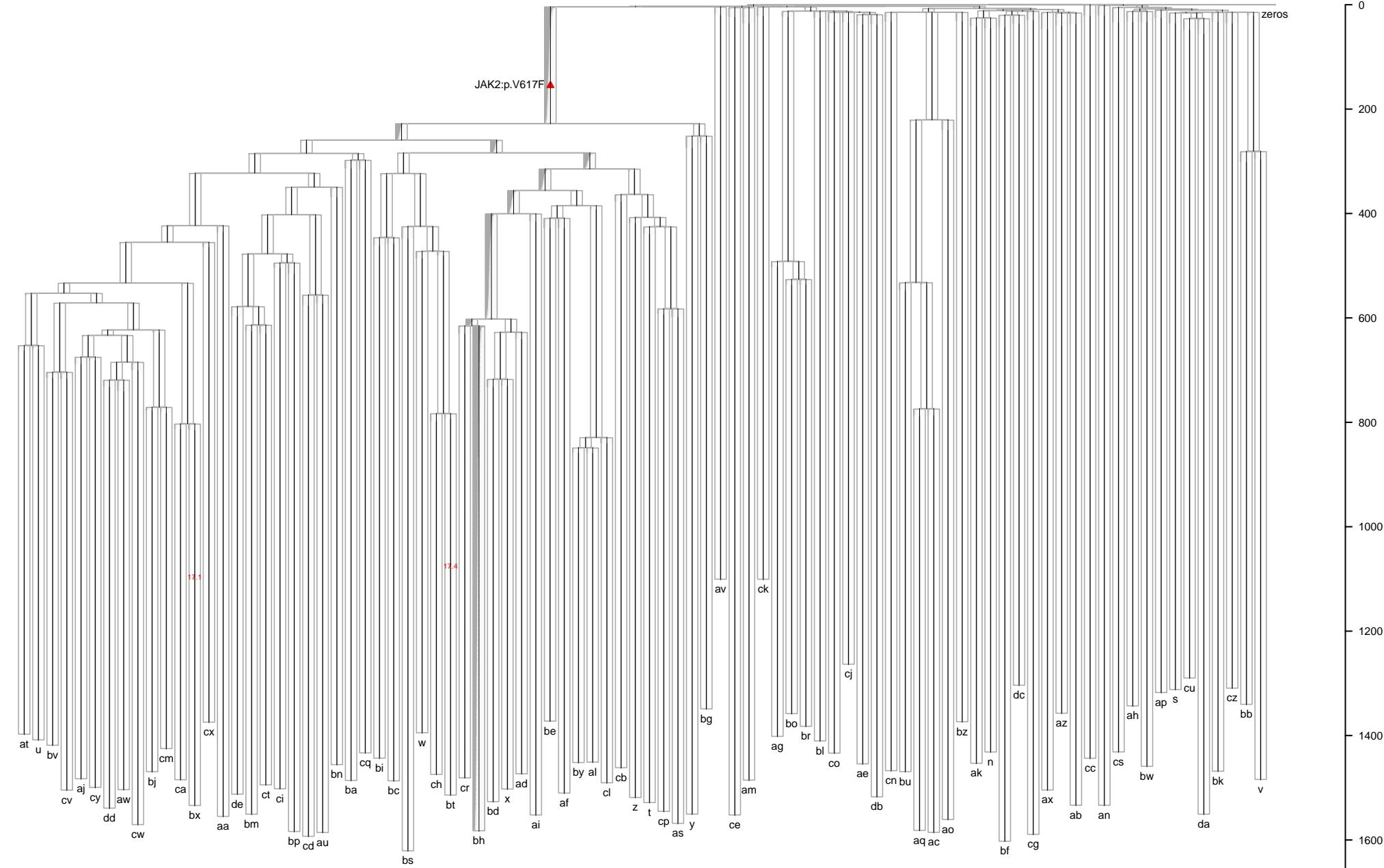


PD5117: Annotated with VAF from bt
Mean Depth=15.36

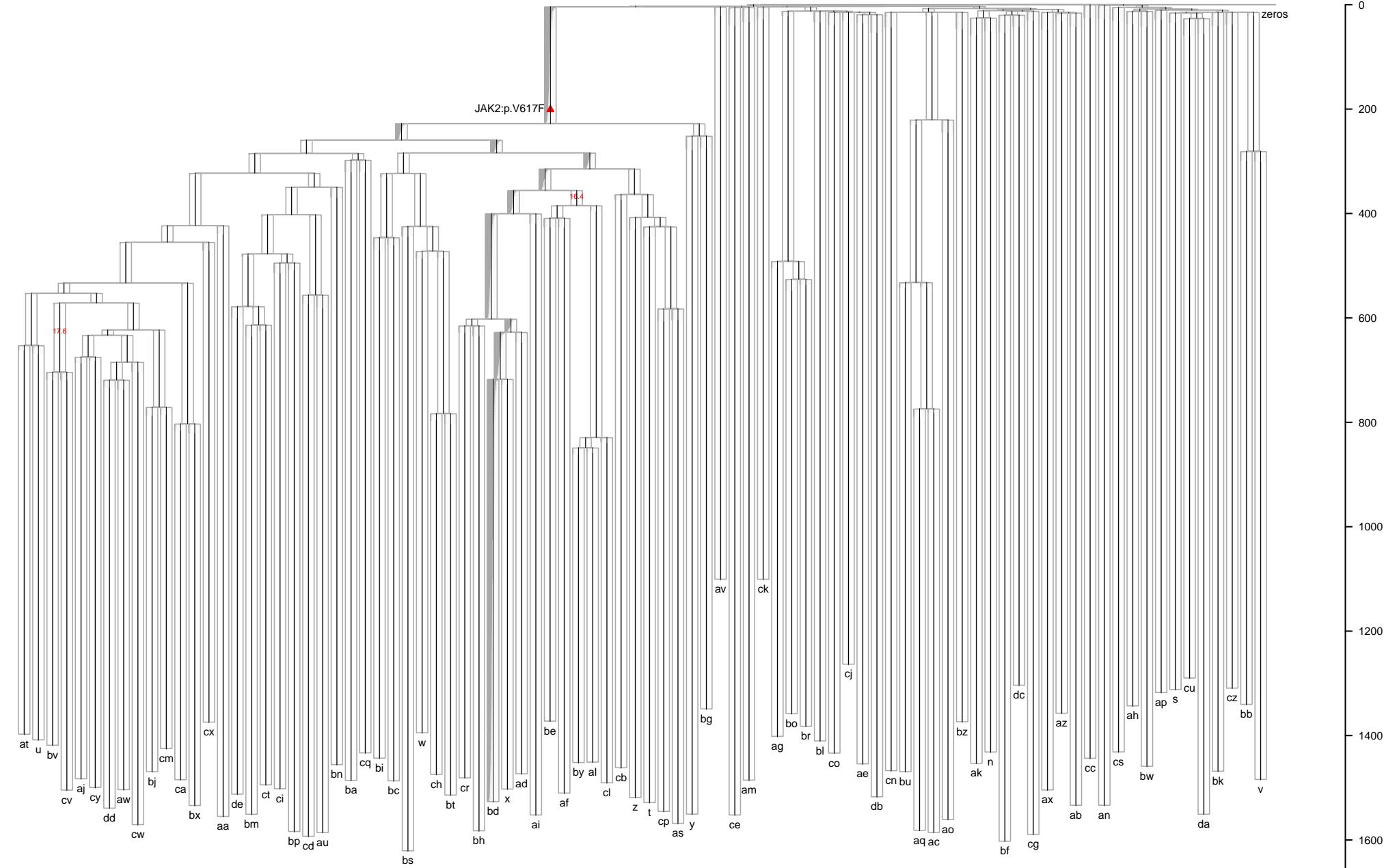


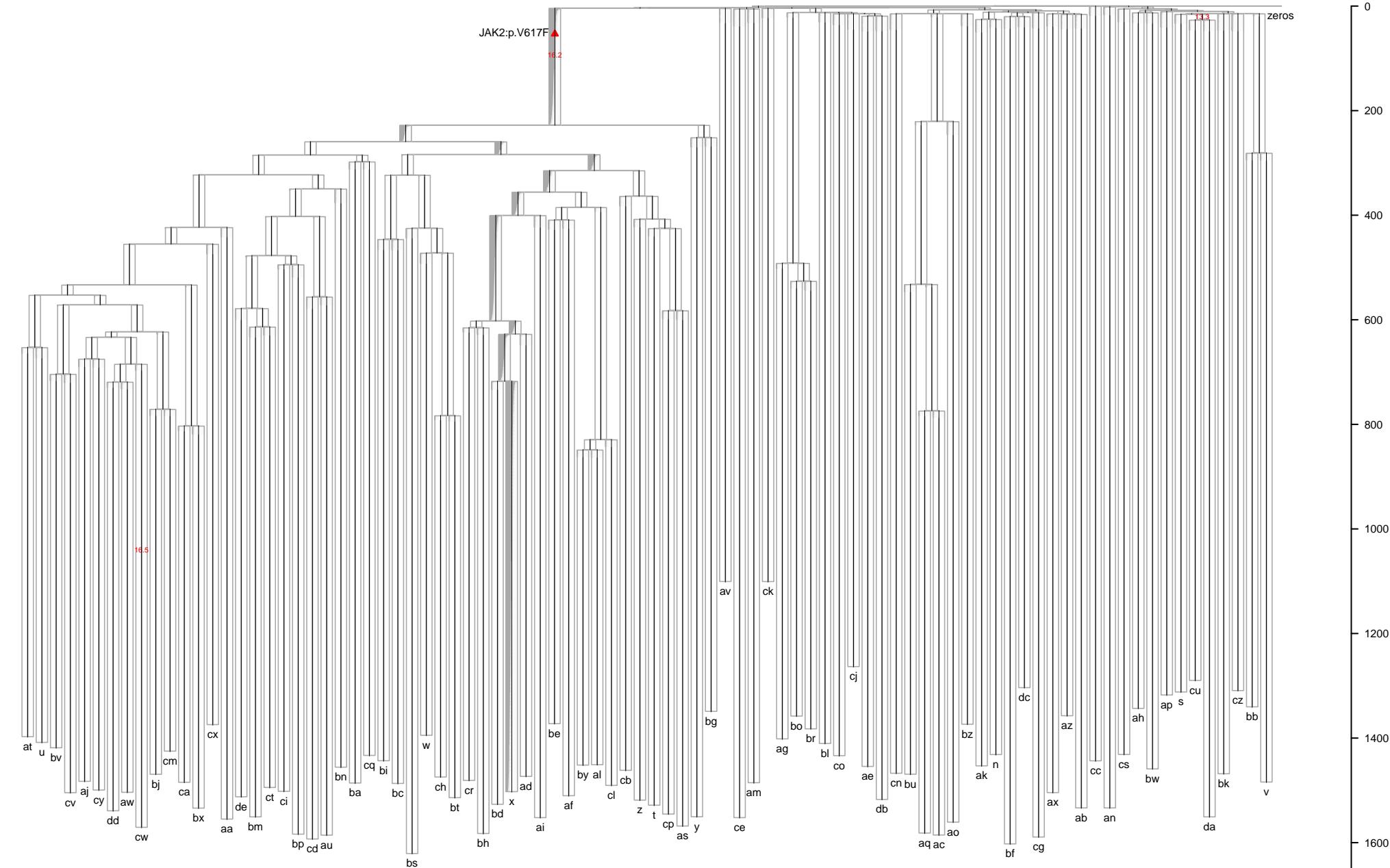


PD5117: Annotated with VAF from bh
Mean Depth=17.85

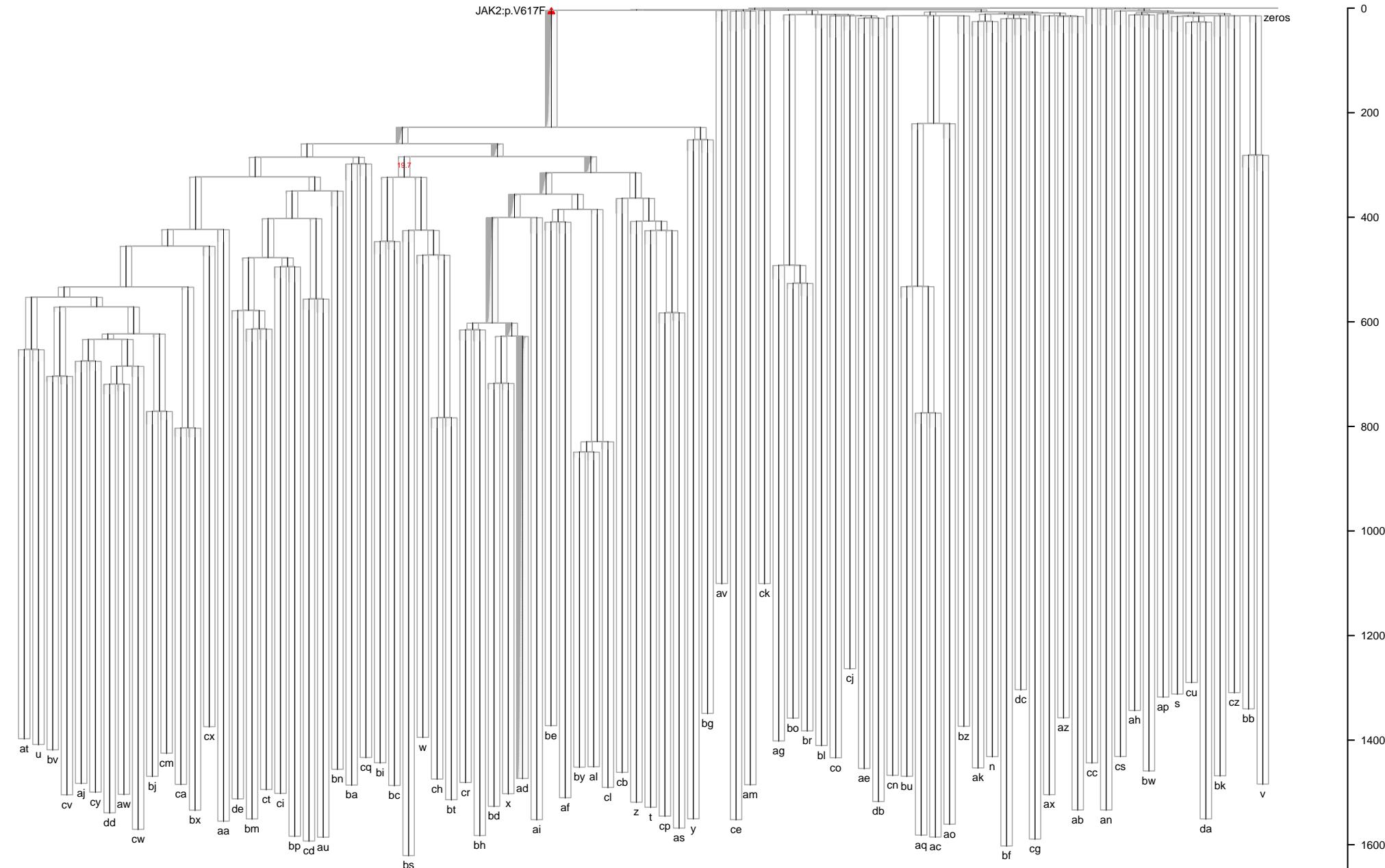


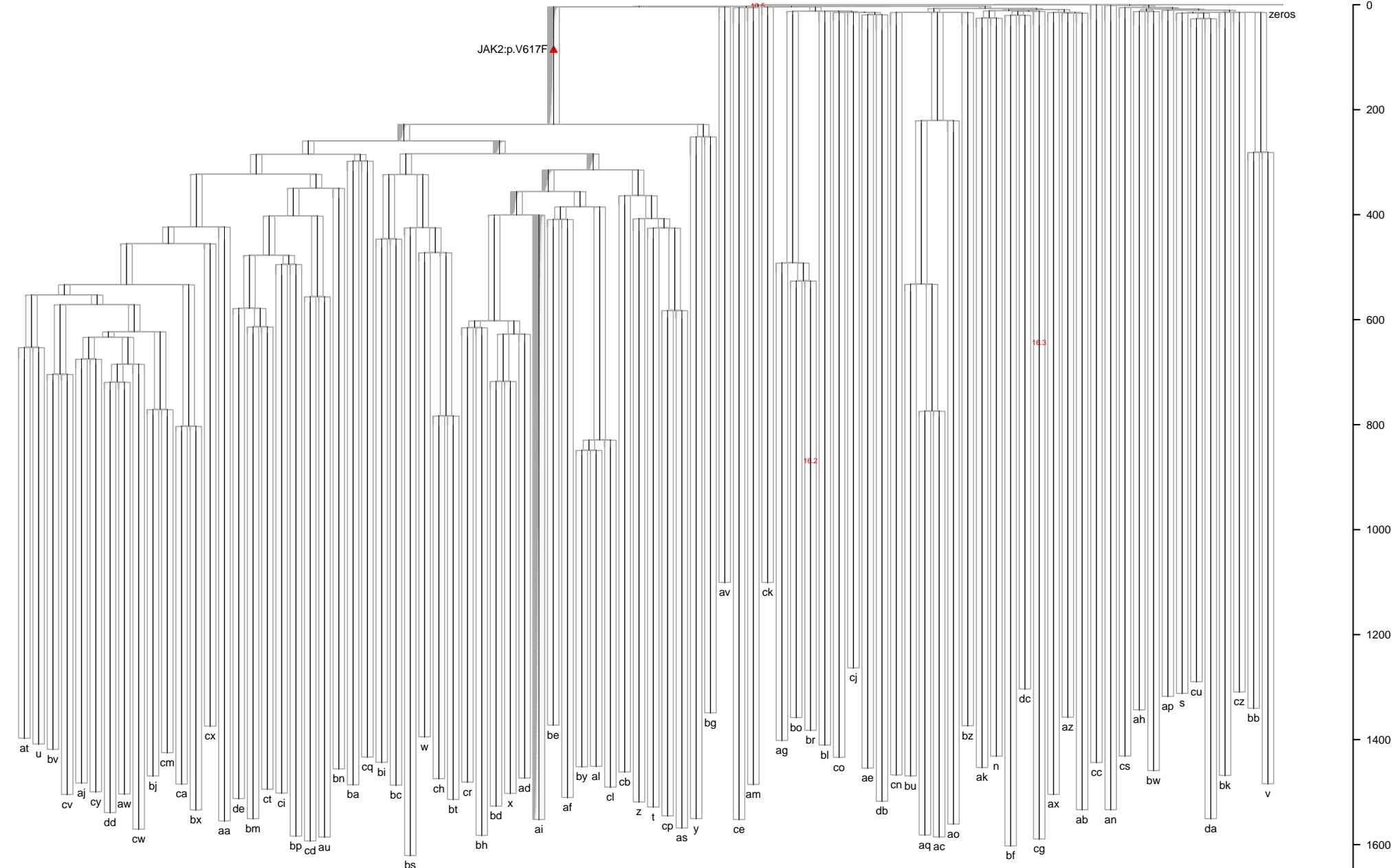
PD5117: Annotated with VAF from bd
Mean Depth=18.64



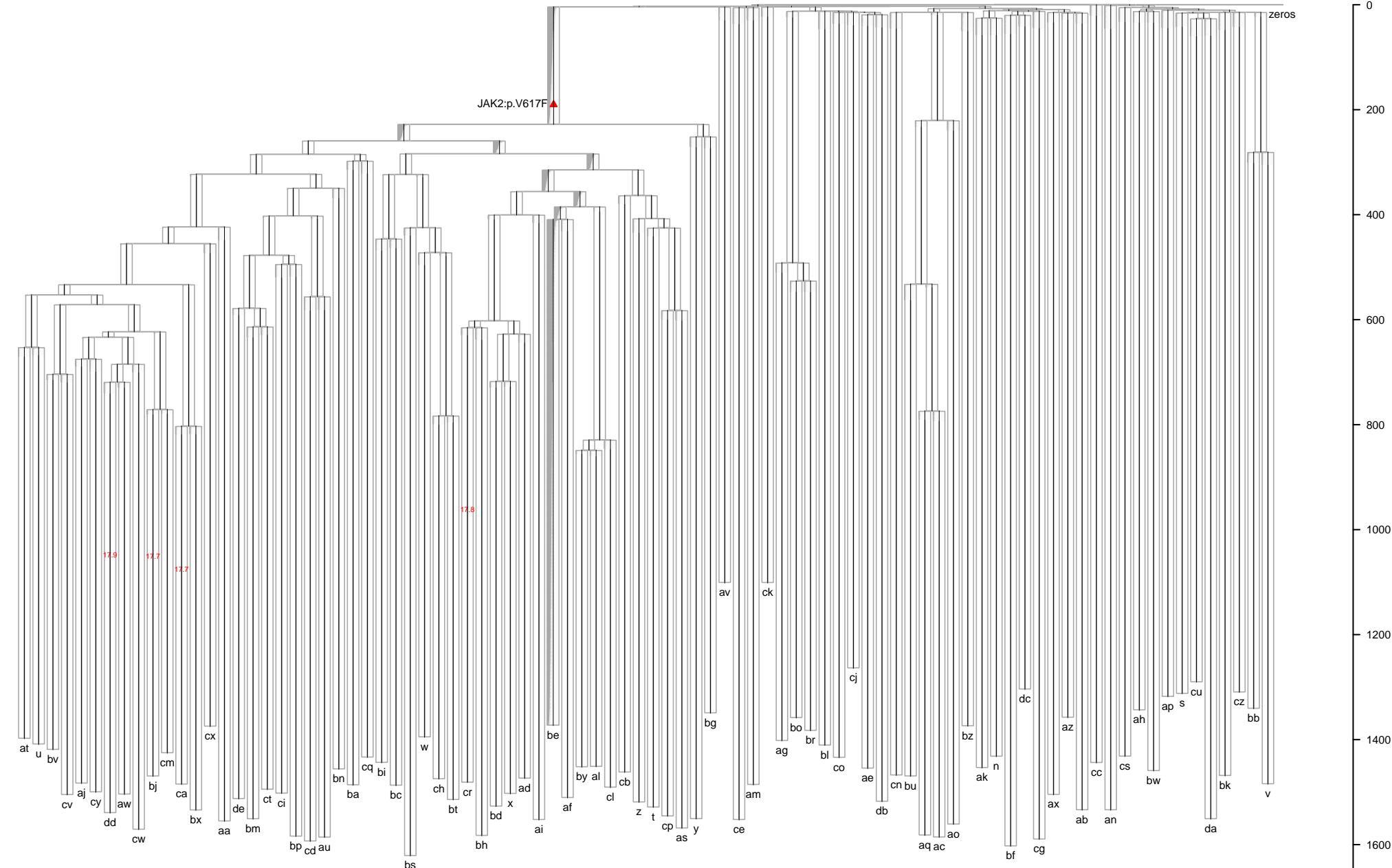


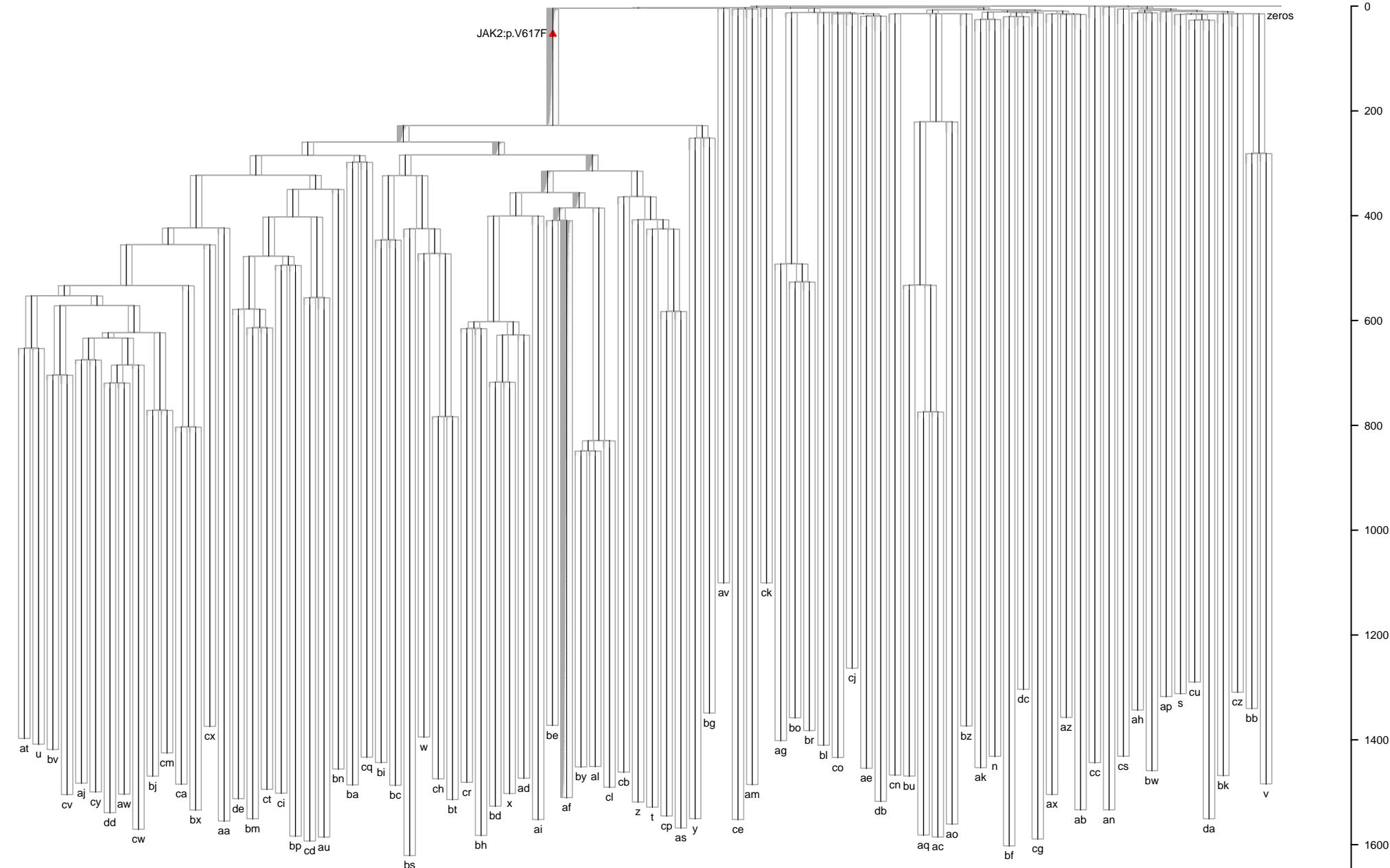
PD5117: Annotated with VAF from ad
Mean Depth=21.90



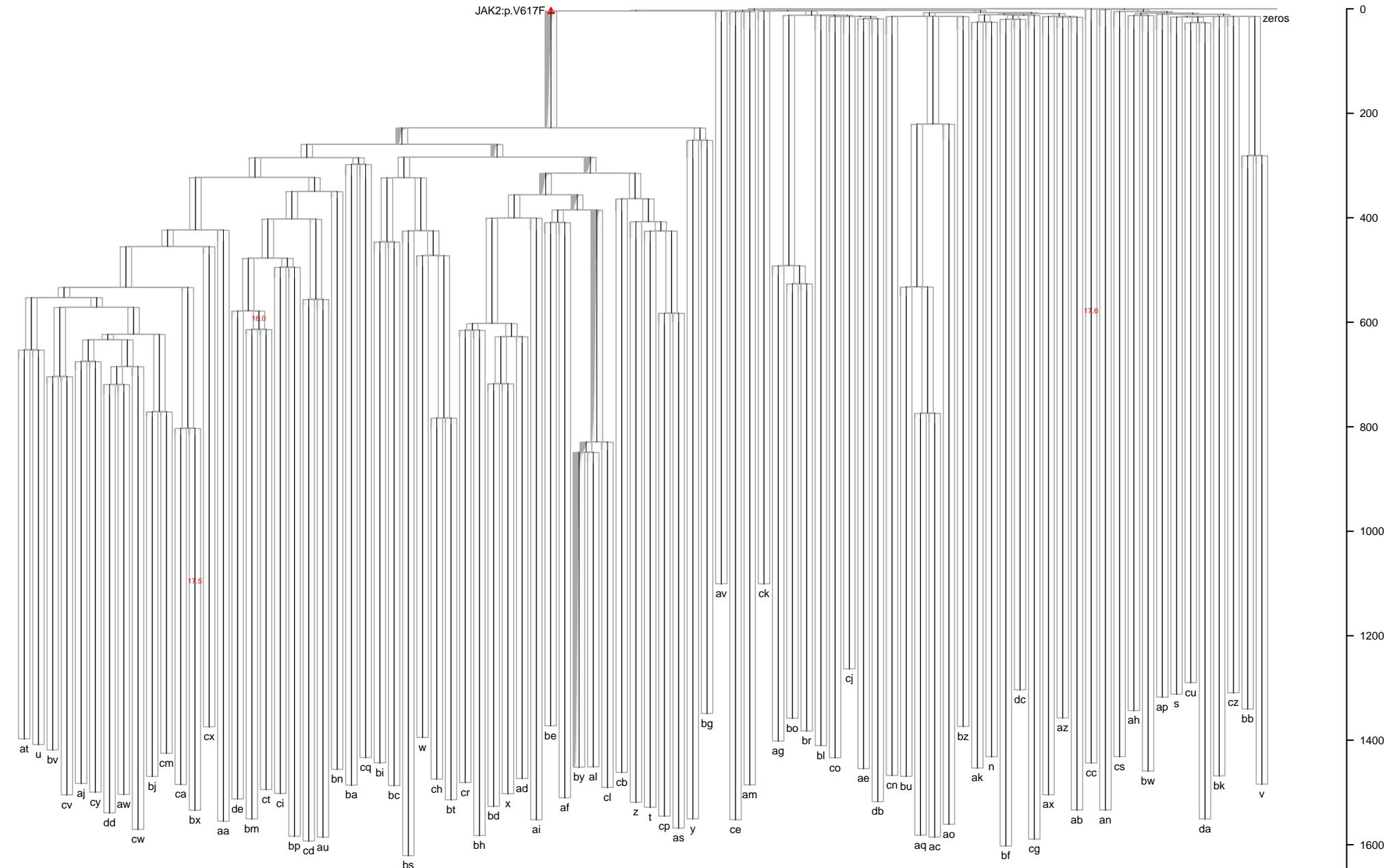


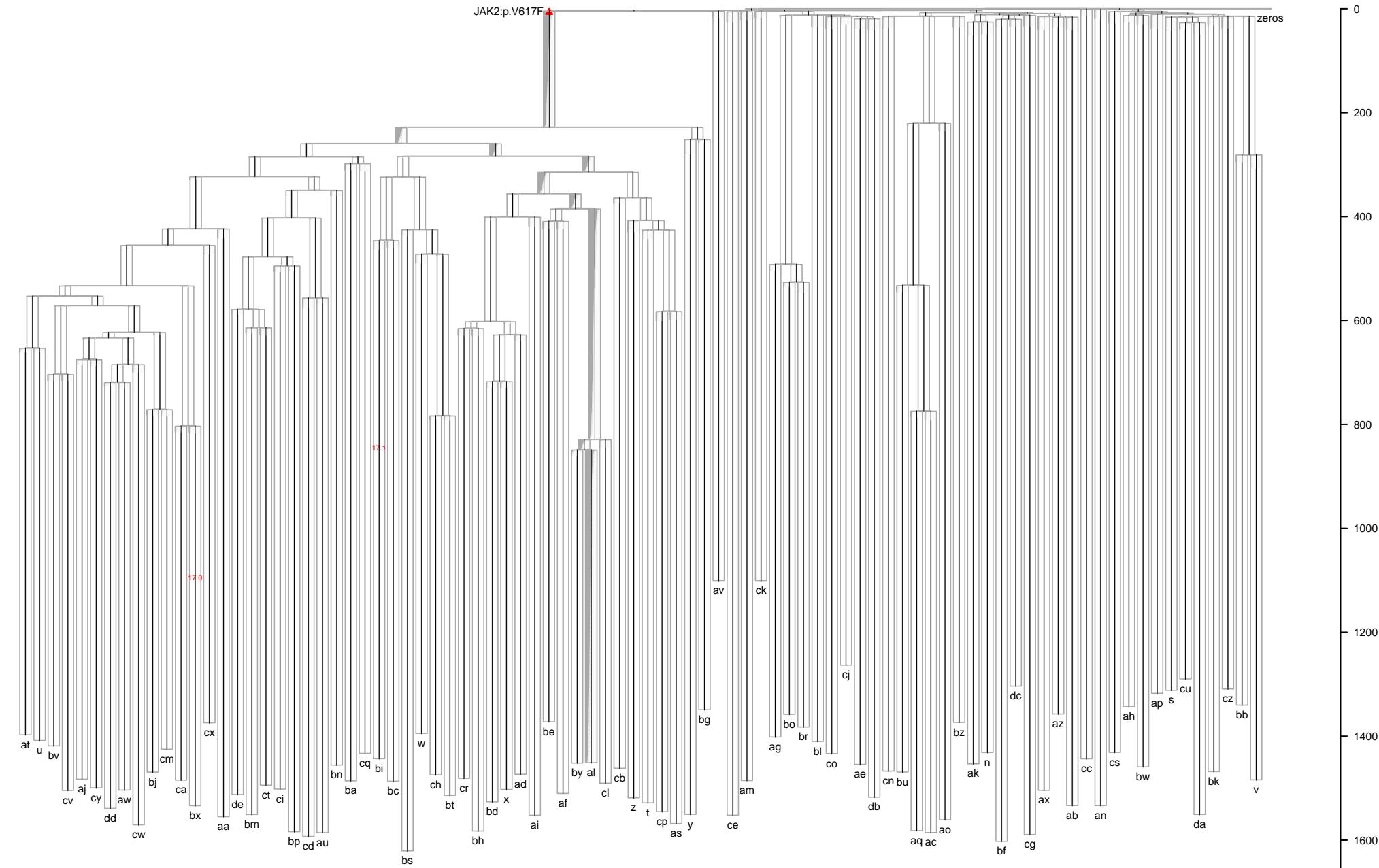
PD5117: Annotated with VAF from be
Mean Depth=18.26



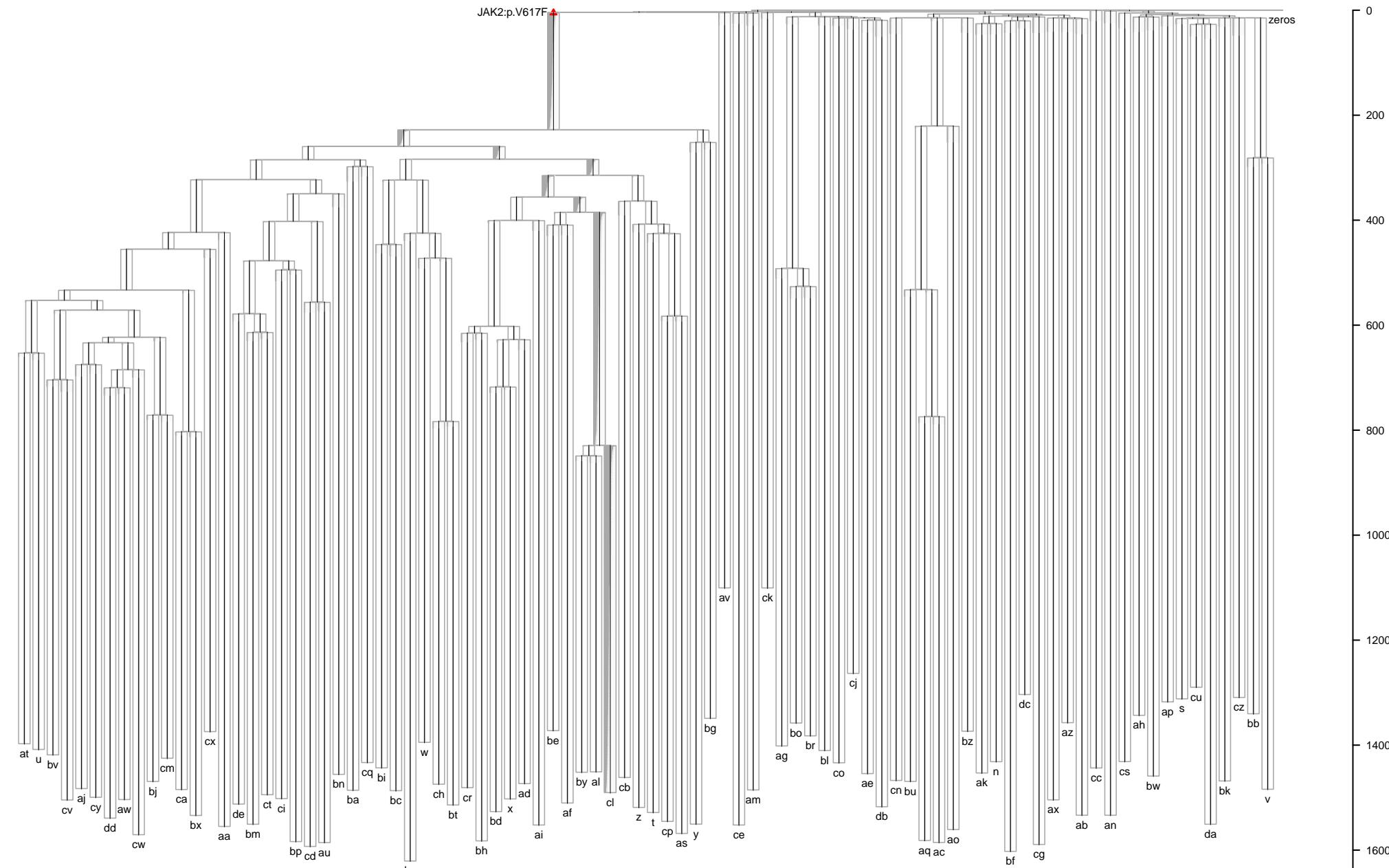


PD5117: Annotated with VAF from by
Mean Depth=17.95

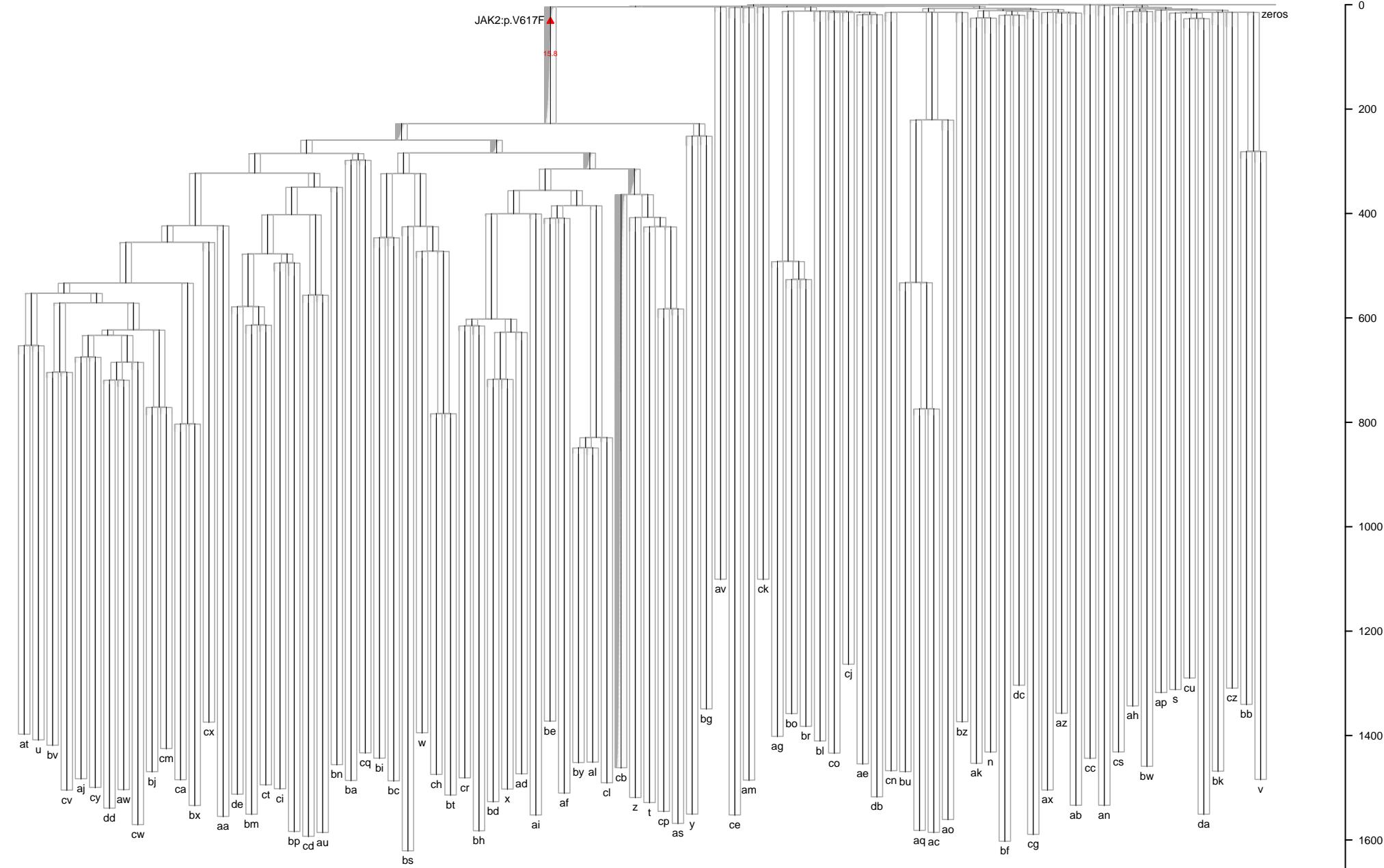


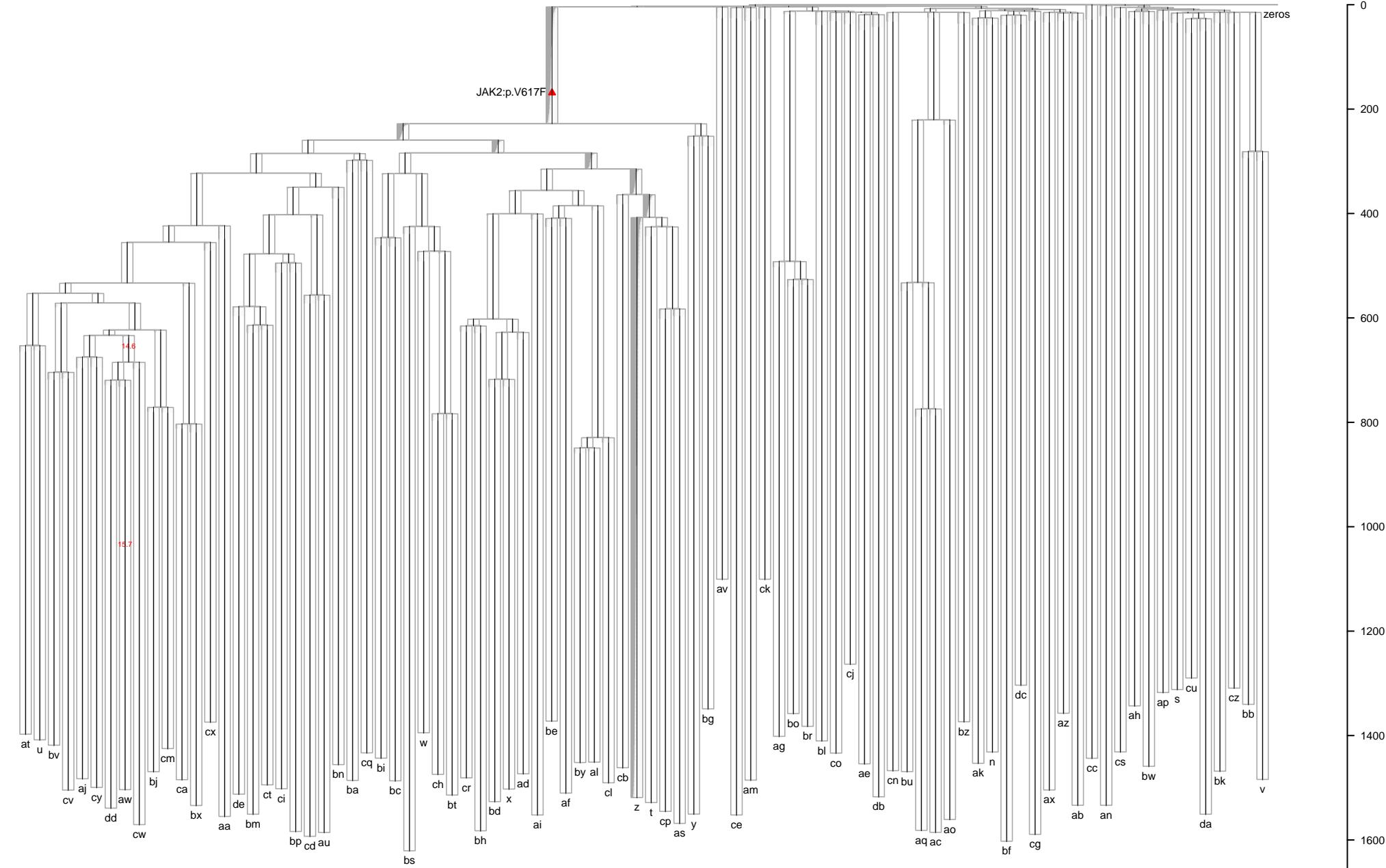


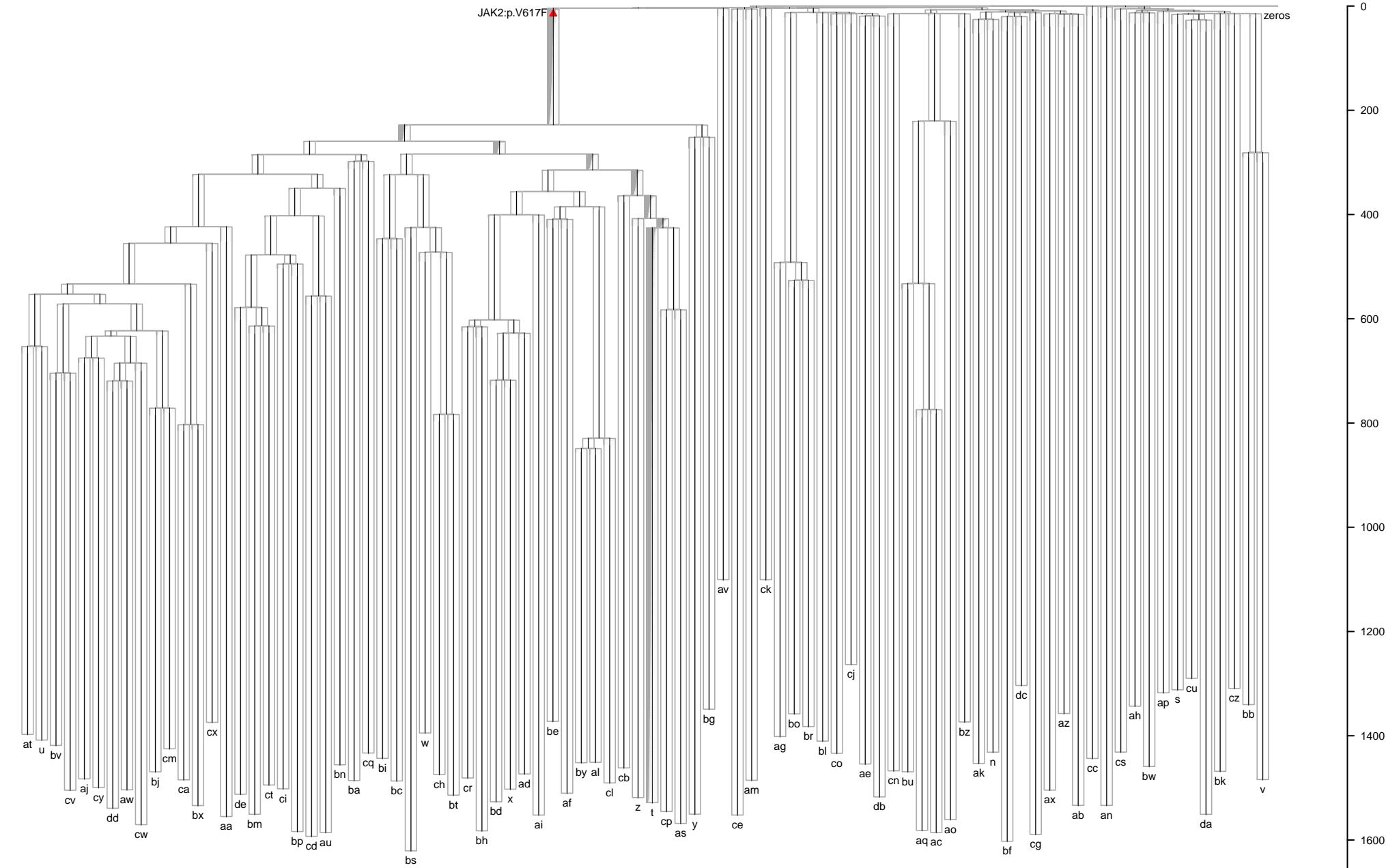
PD5117: Annotated with VAF from cl
Mean Depth=21.43



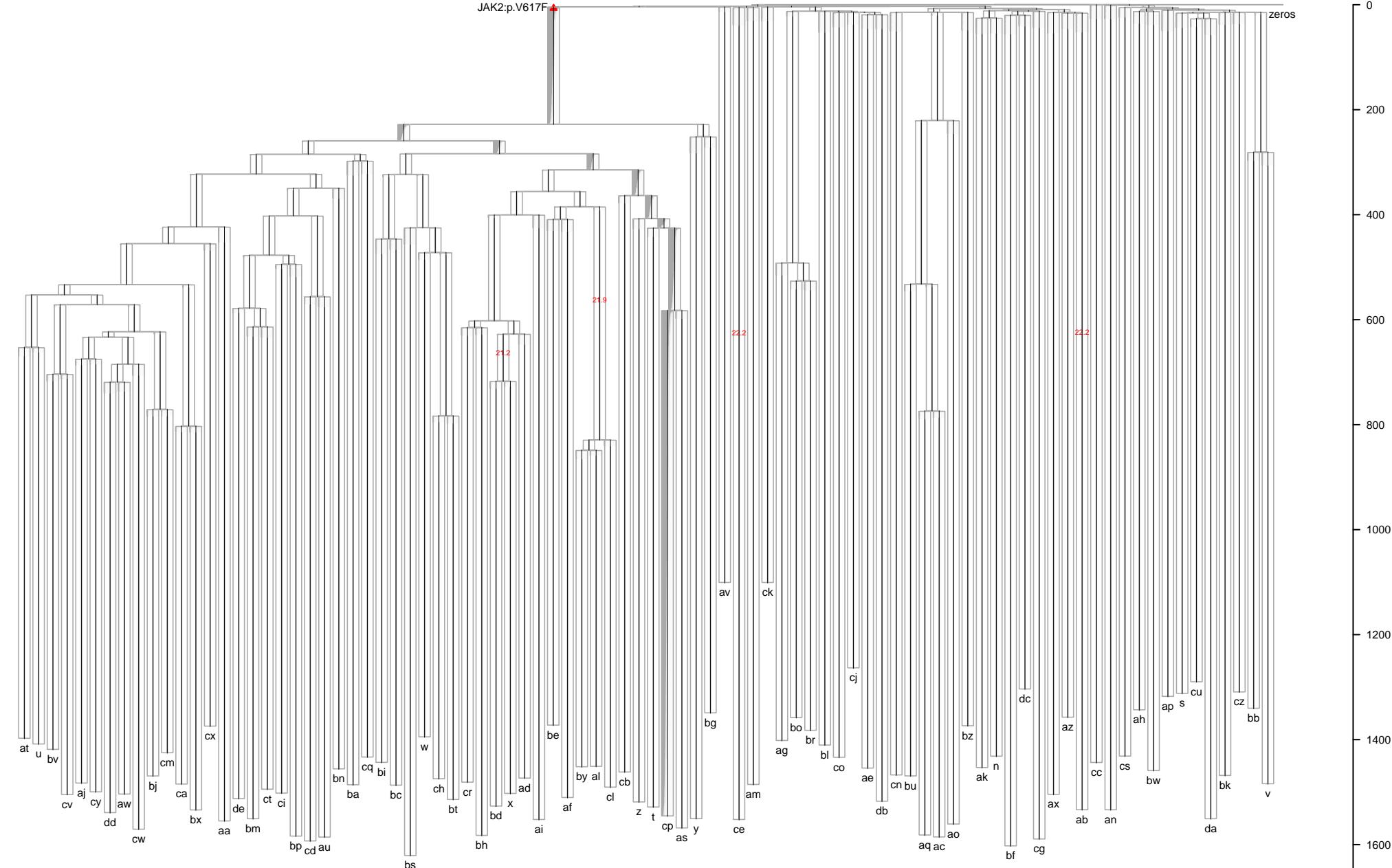
PD5117: Annotated with VAF from cb
Mean Depth=16.51



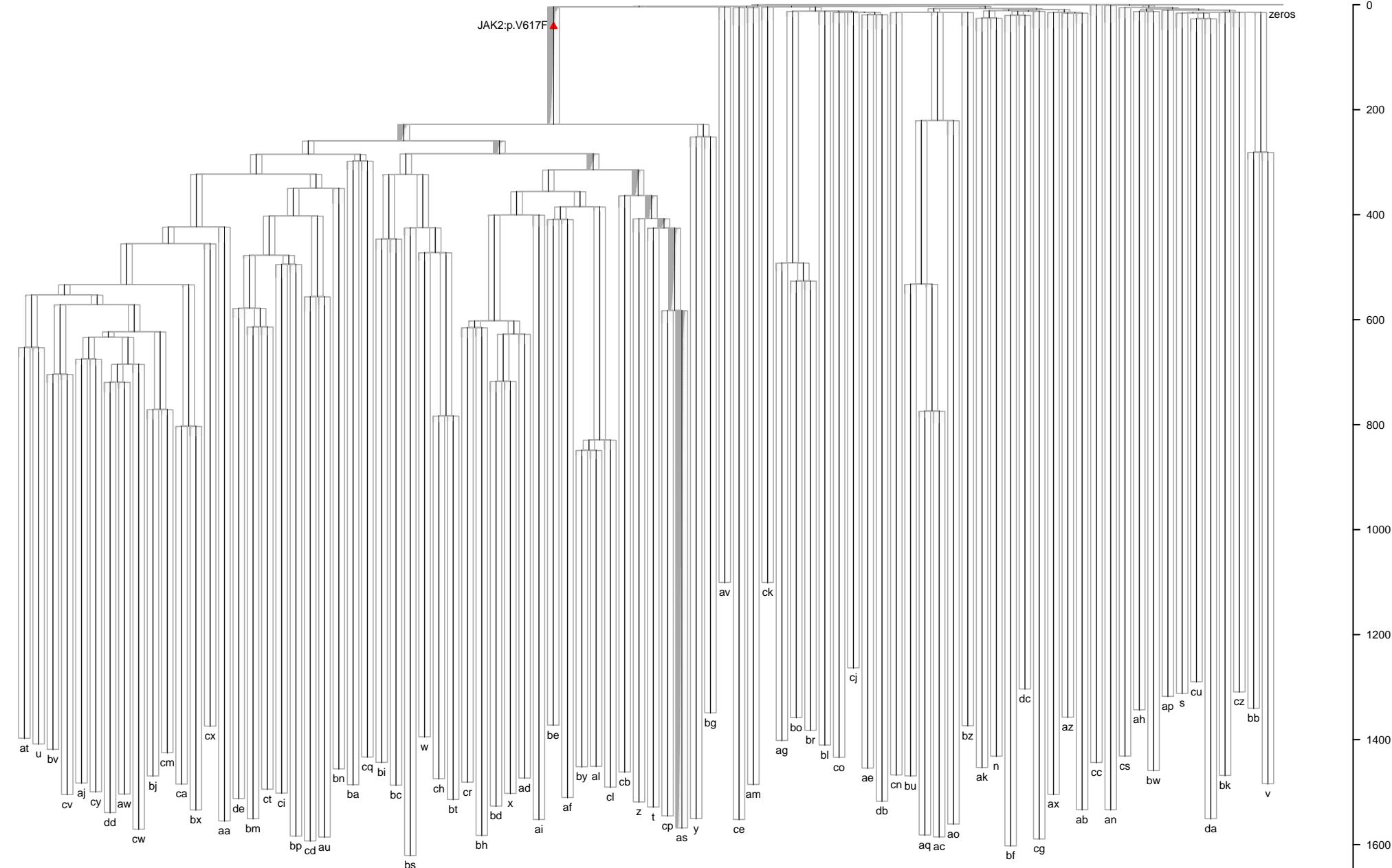




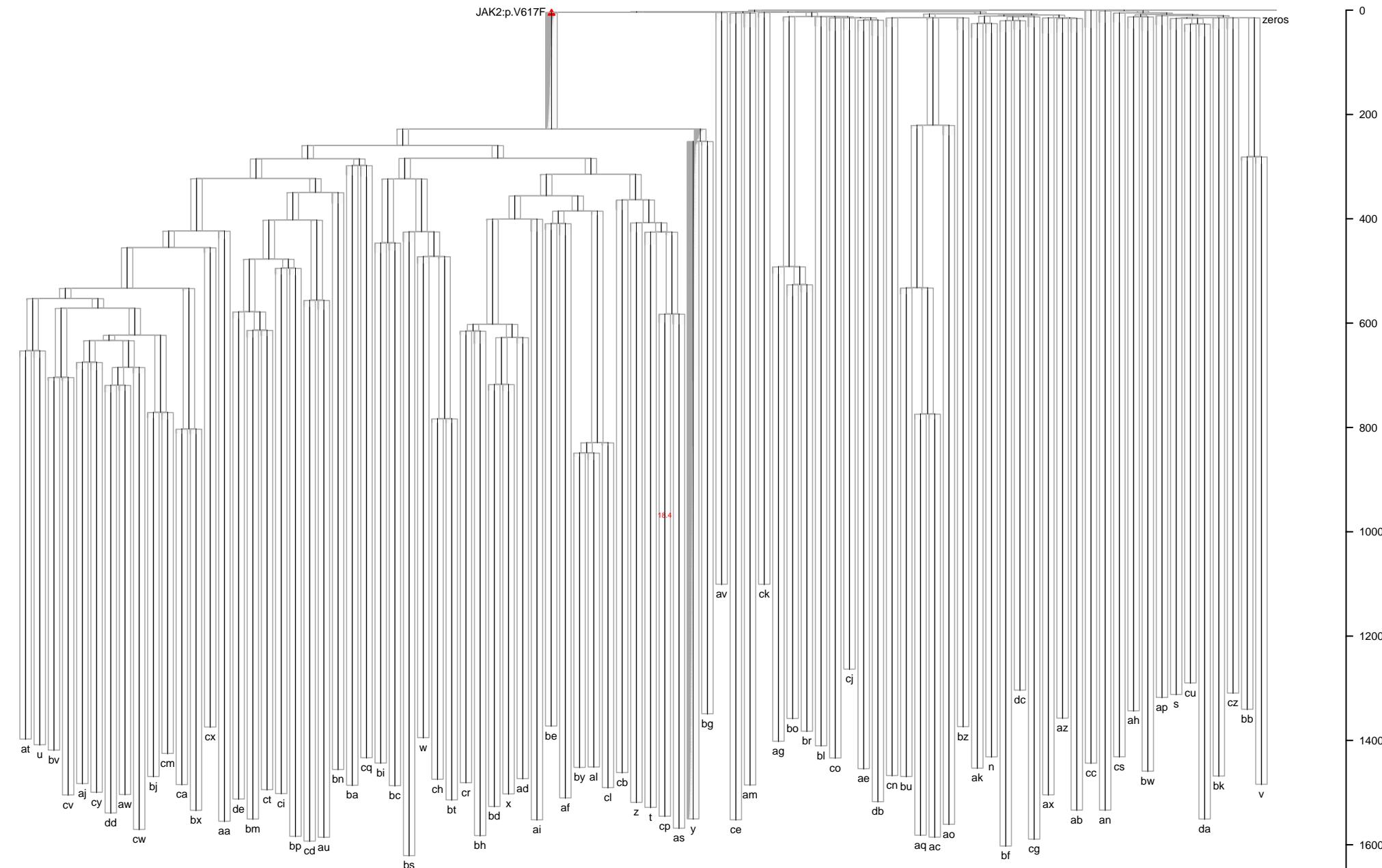
PD5117: Annotated with VAF from cp
Mean Depth=22.61



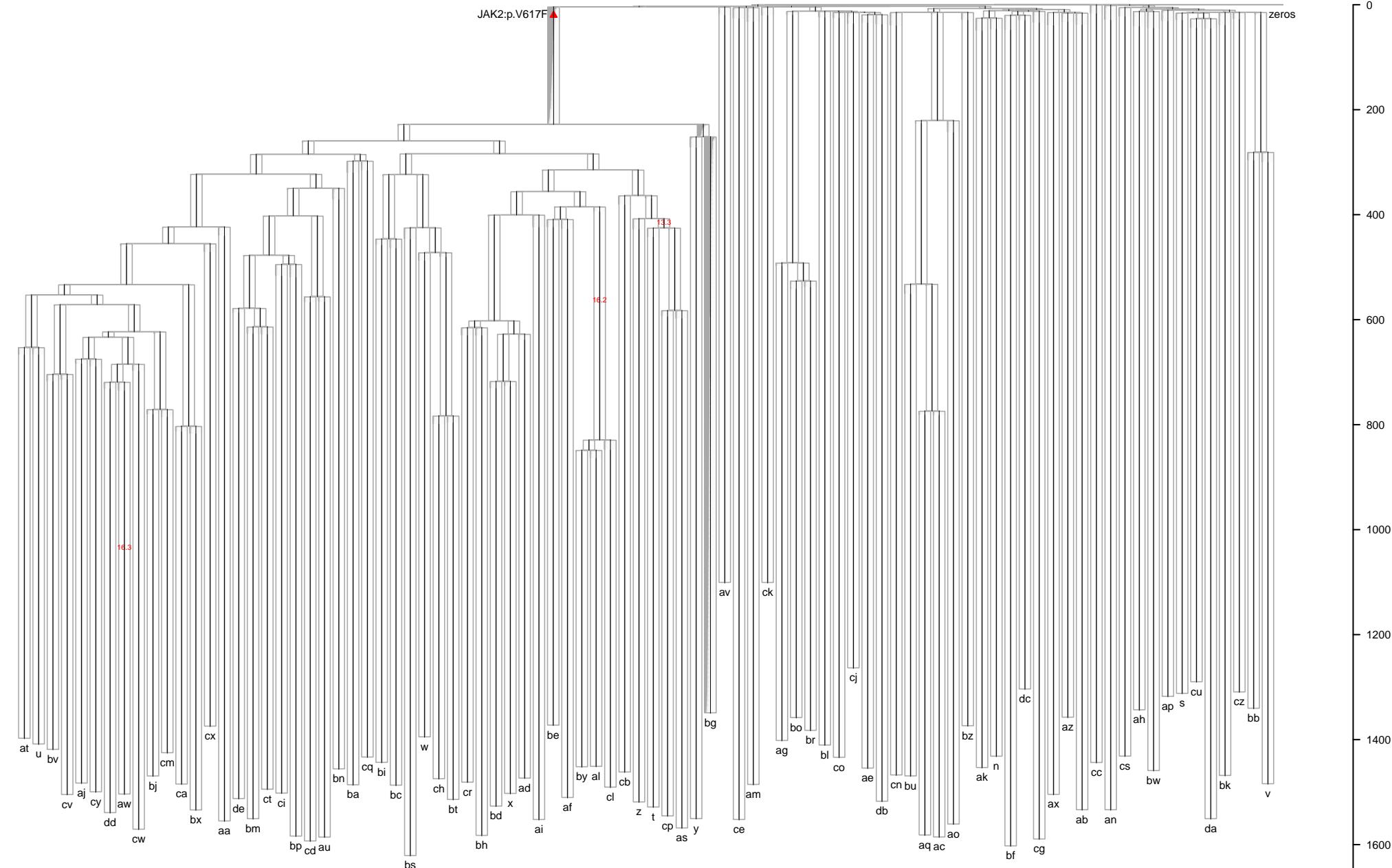
PD5117: Annotated with VAF from as
Mean Depth=19.31



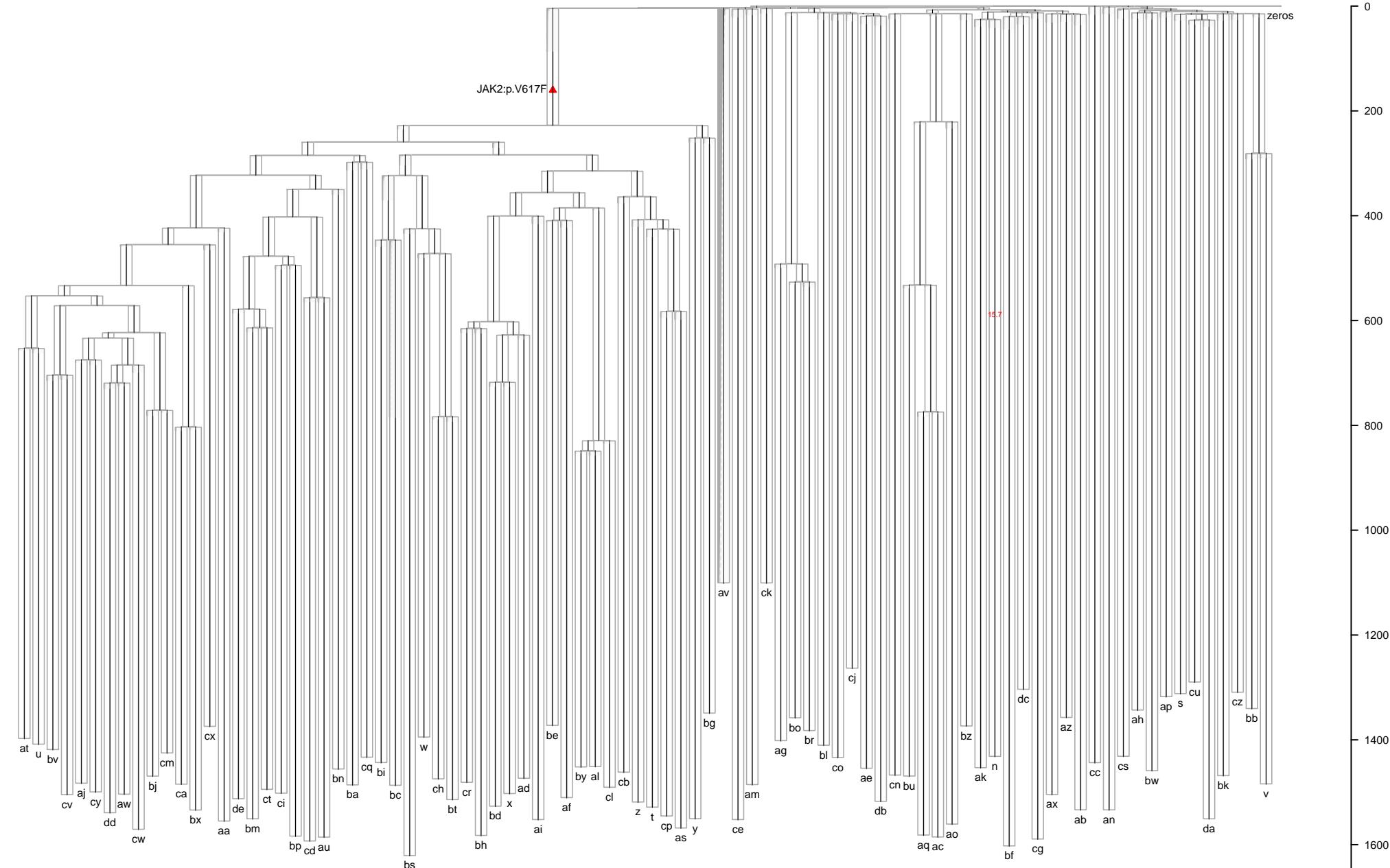
PD5117: Annotated with VAF from y
Mean Depth=18.82



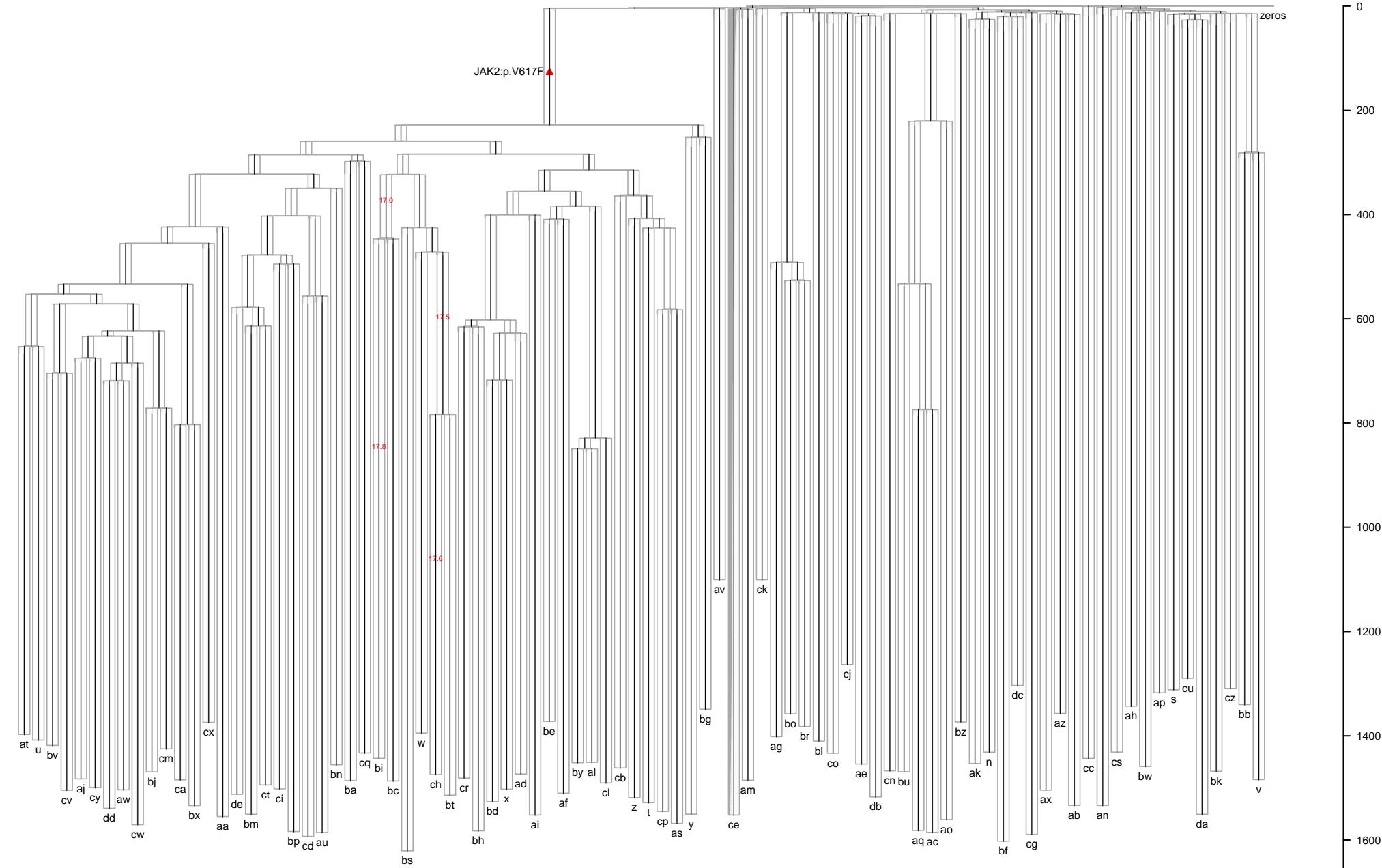
PD5117: Annotated with VAF from bg
Mean Depth=16.82



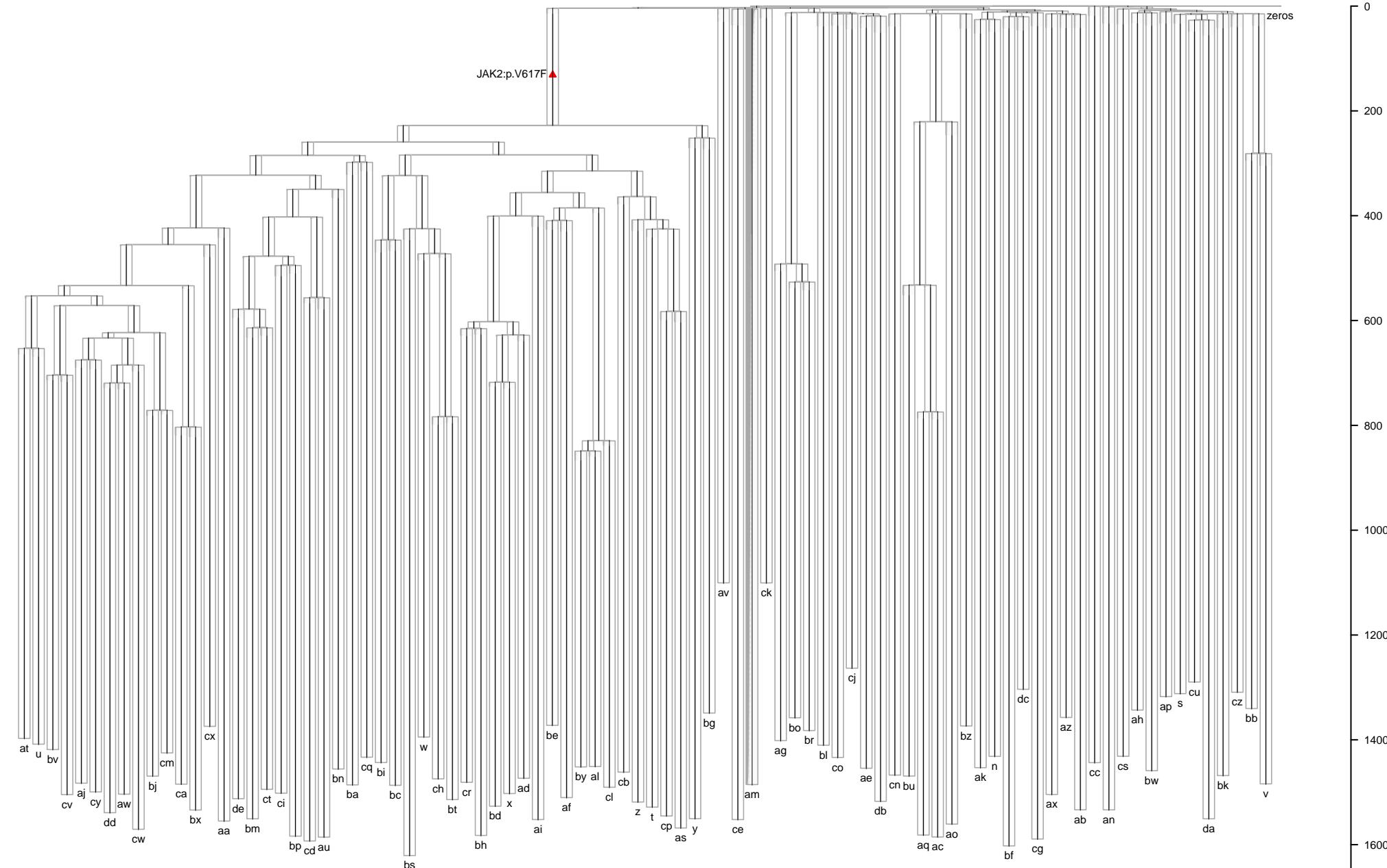
PD5117: Annotated with VAF from av
Mean Depth=16.00



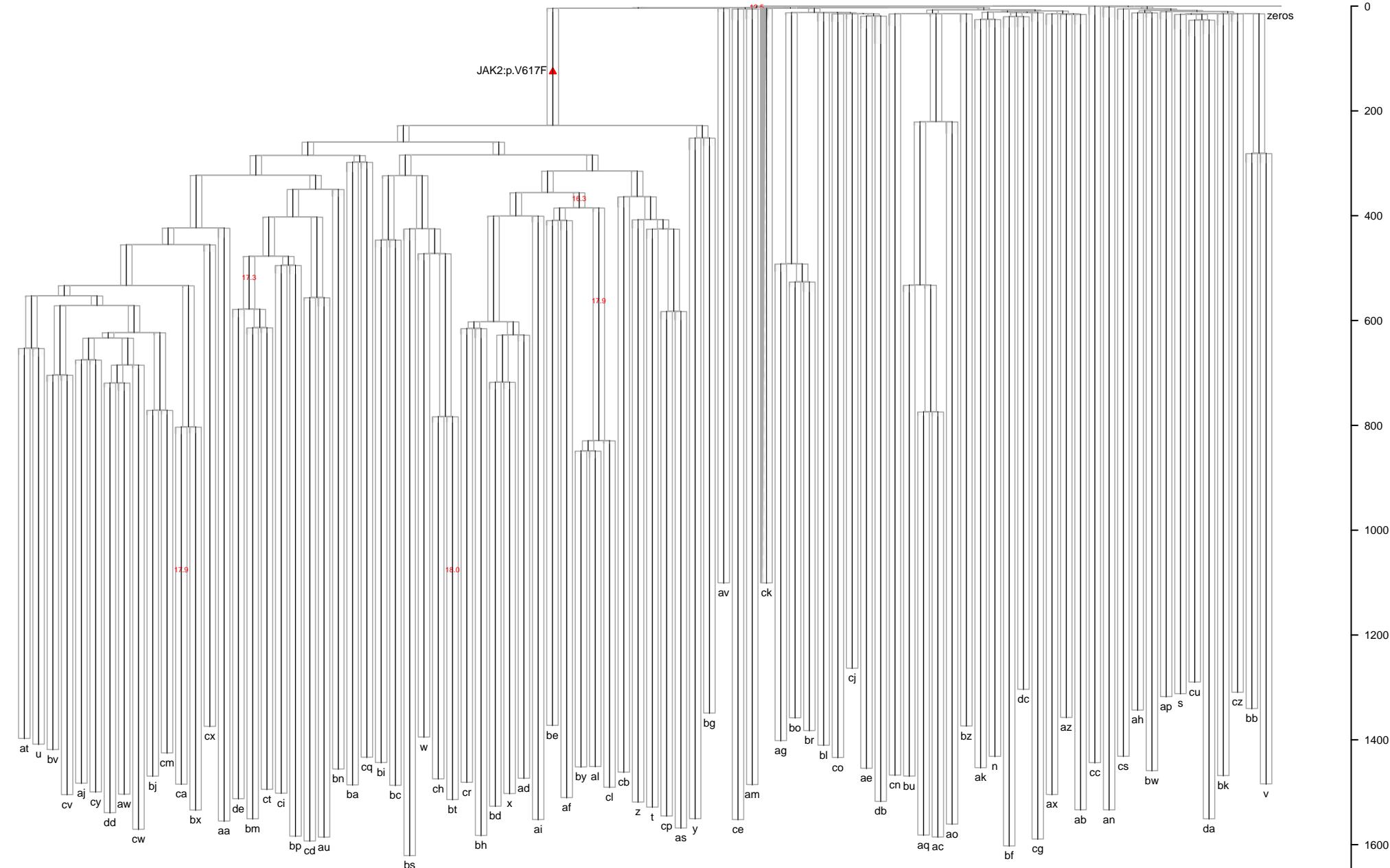
PD5117: Annotated with VAF from ce
Mean Depth=18.17



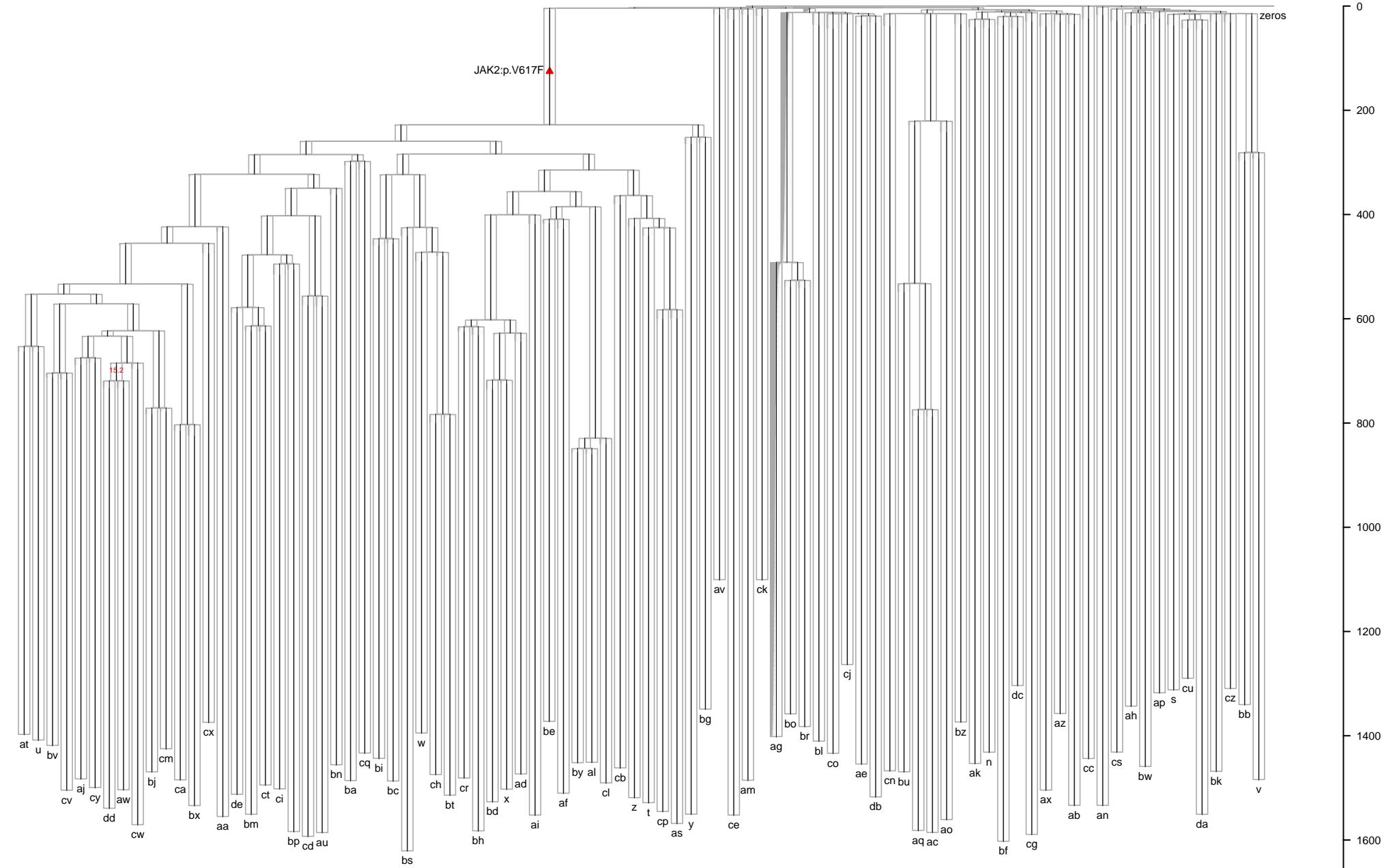
PD5117: Annotated with VAF from am
Mean Depth=18.06



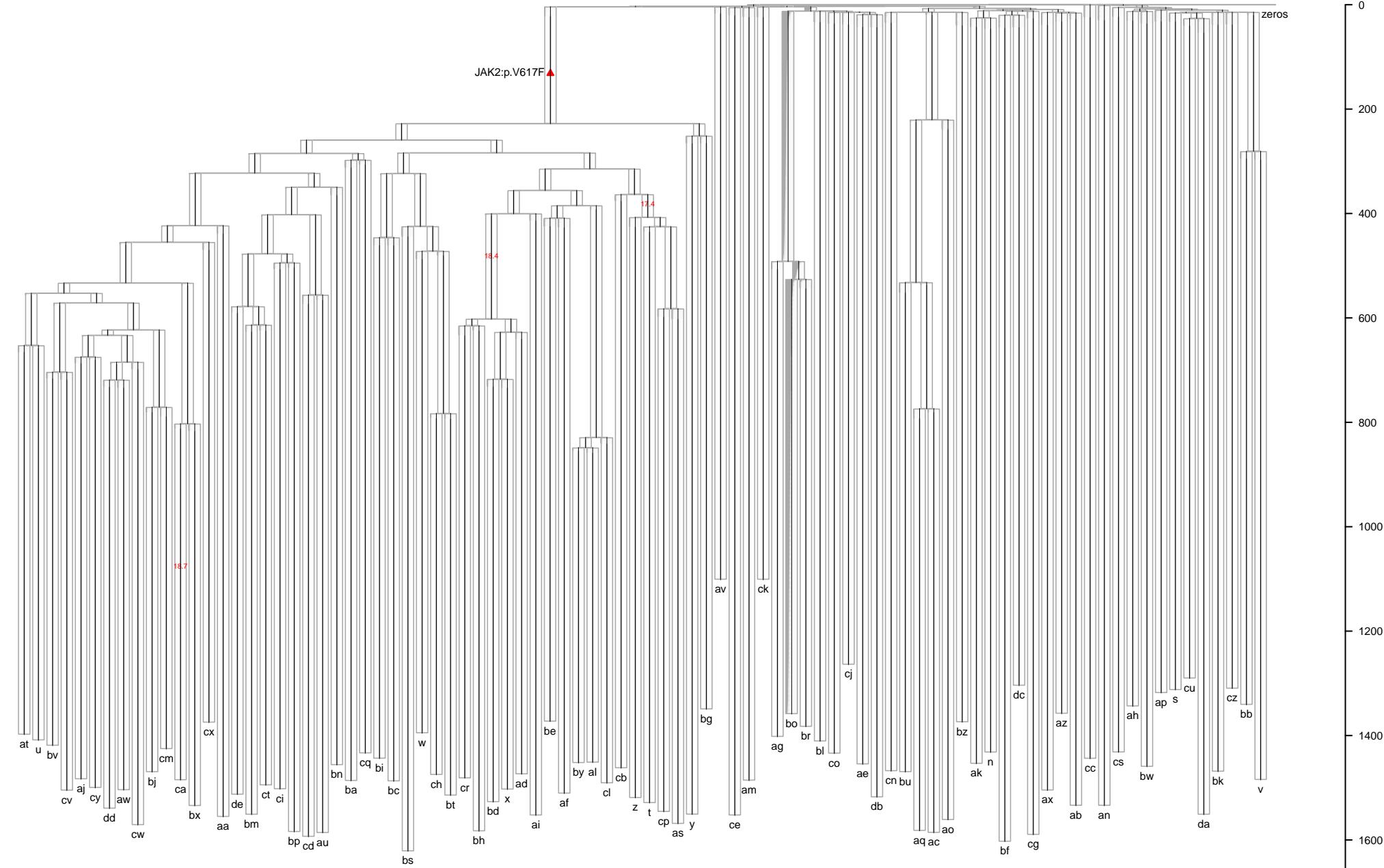
PD5117: Annotated with VAF from ck
Mean Depth=18.47



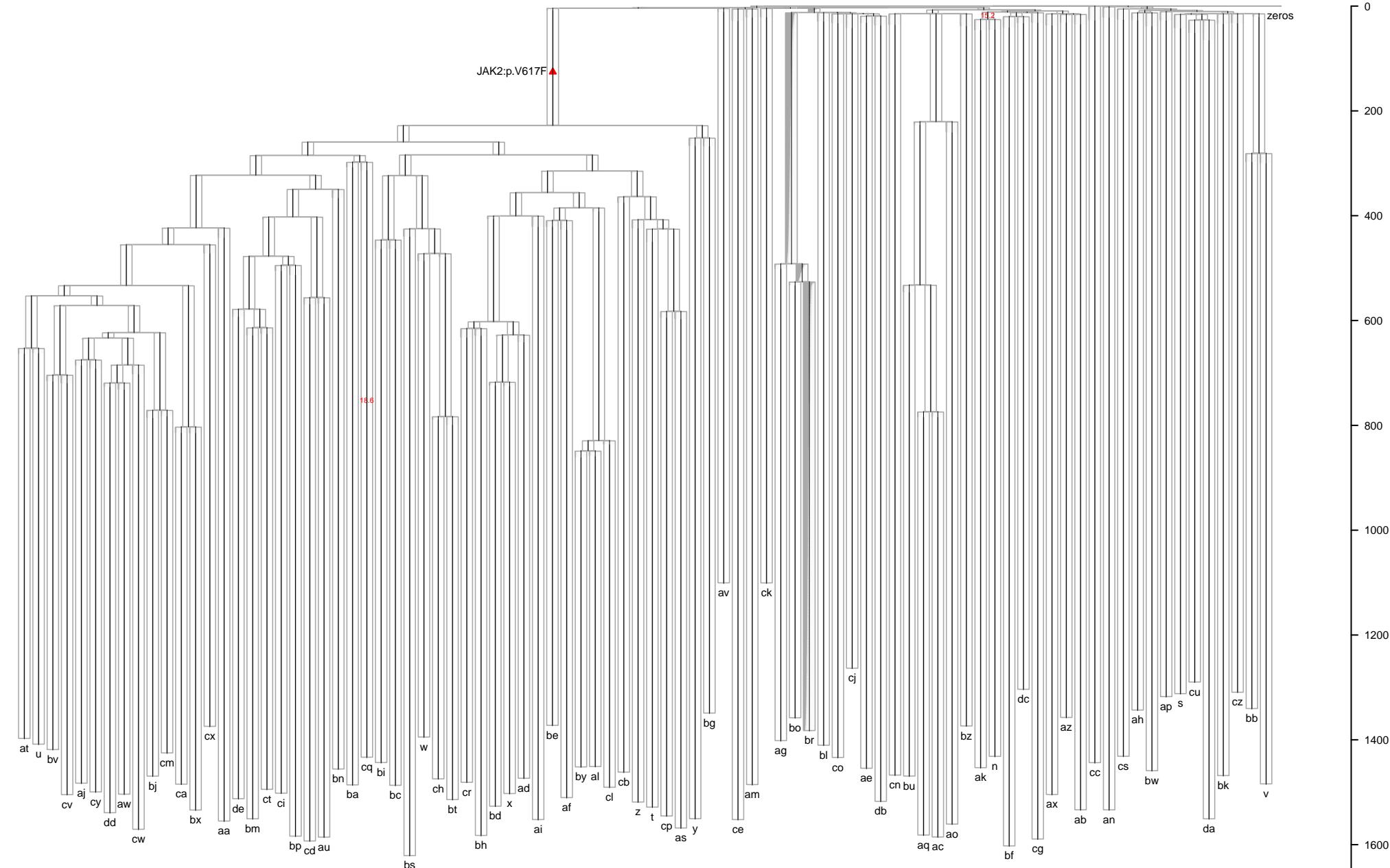
PD5117: Annotated with VAF from ag
Mean Depth=17.18



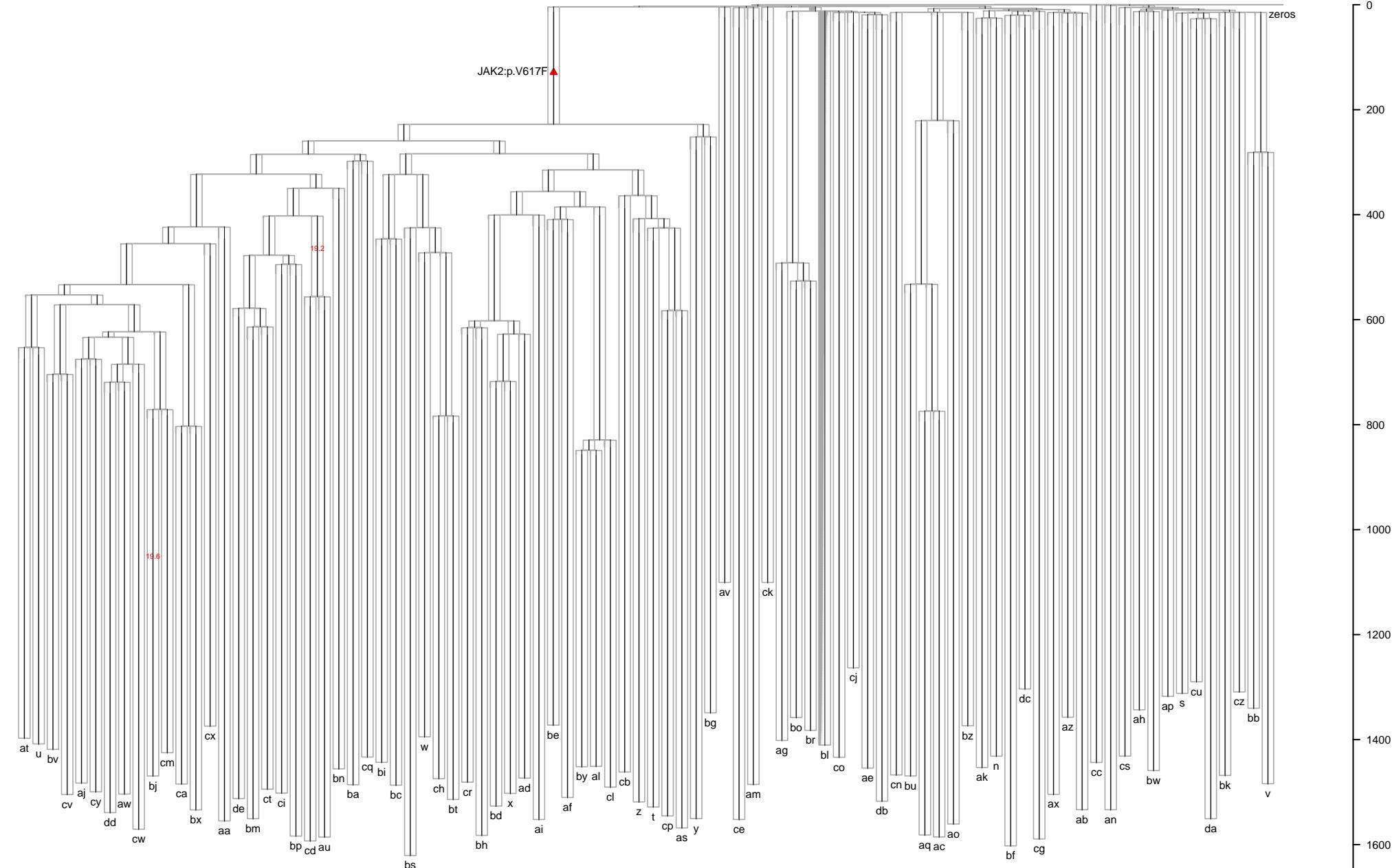
PD5117: Annotated with VAF from bo
Mean Depth=19.22



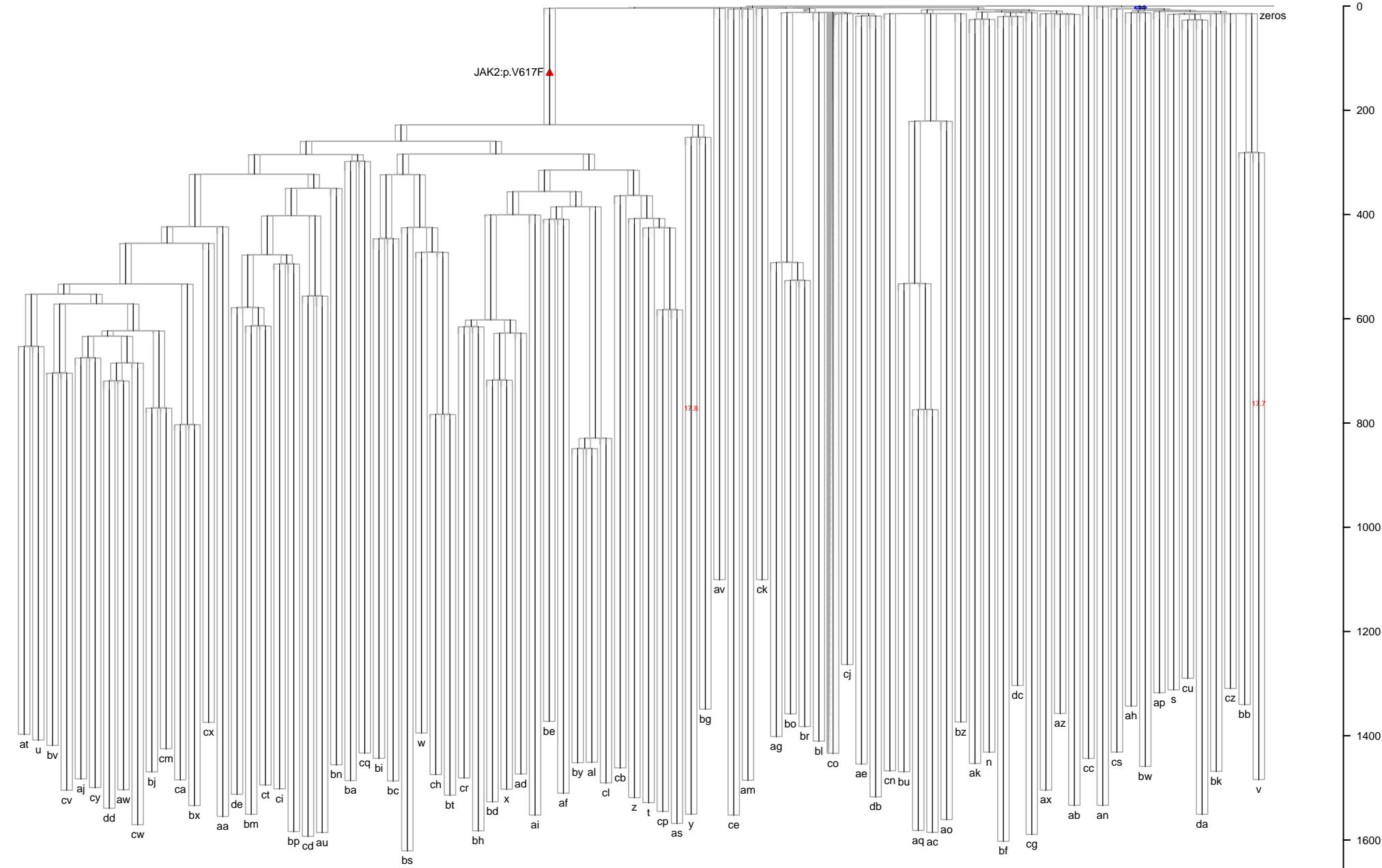
PD5117: Annotated with VAF from br
Mean Depth=18.98

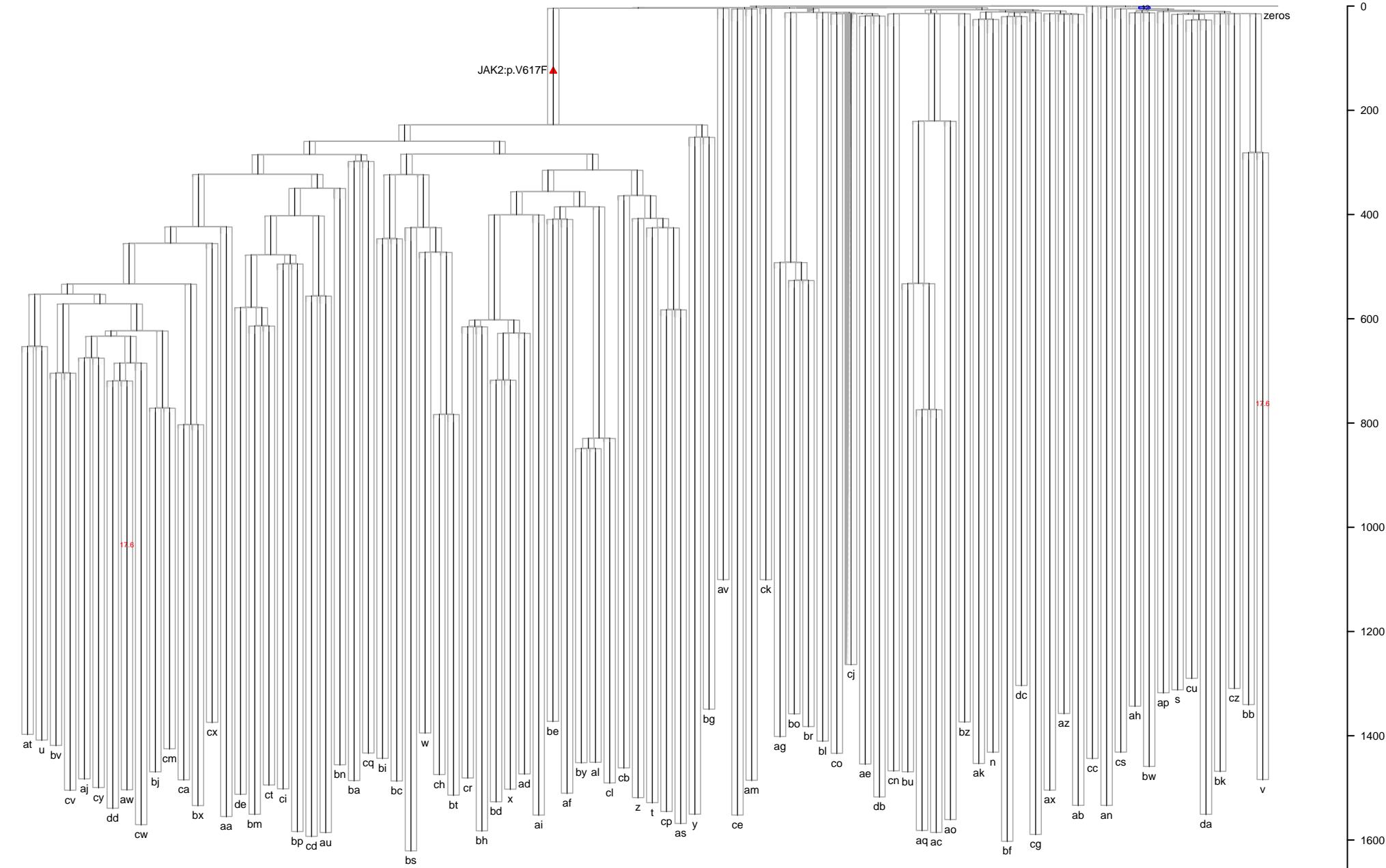


PD5117: Annotated with VAF from bl
Mean Depth=20.29

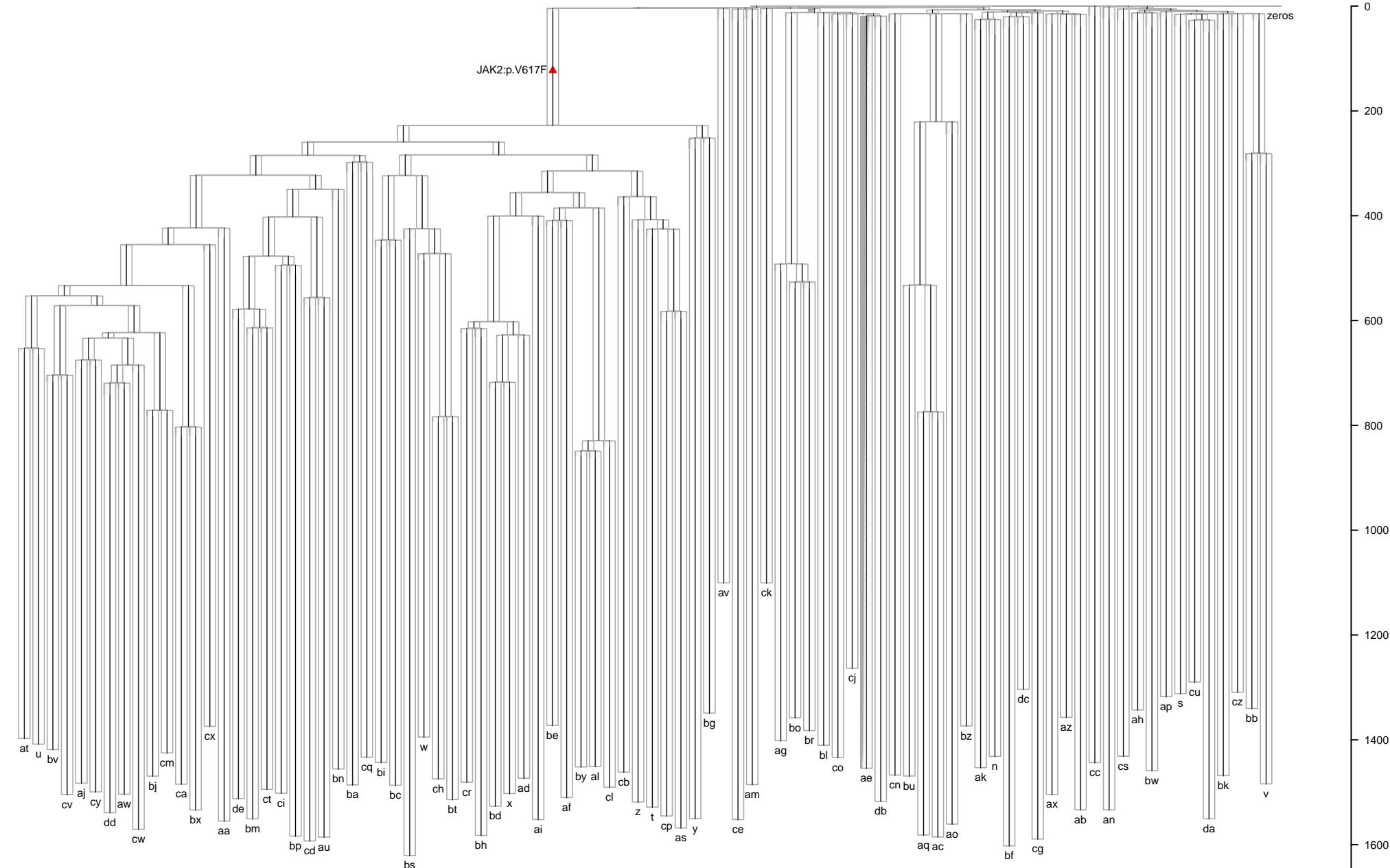


PD5117: Annotated with VAF from co
Mean Depth=18.14

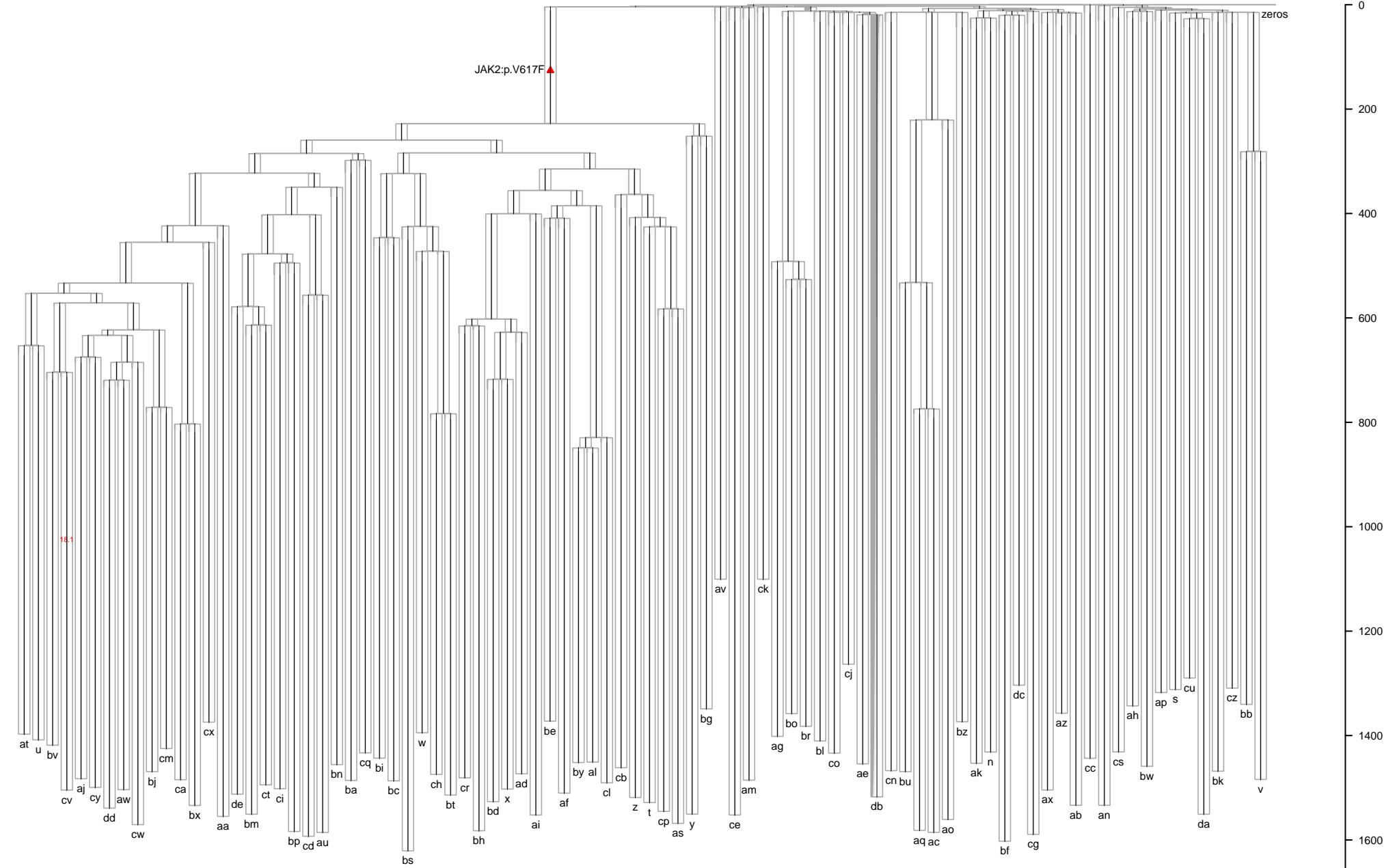




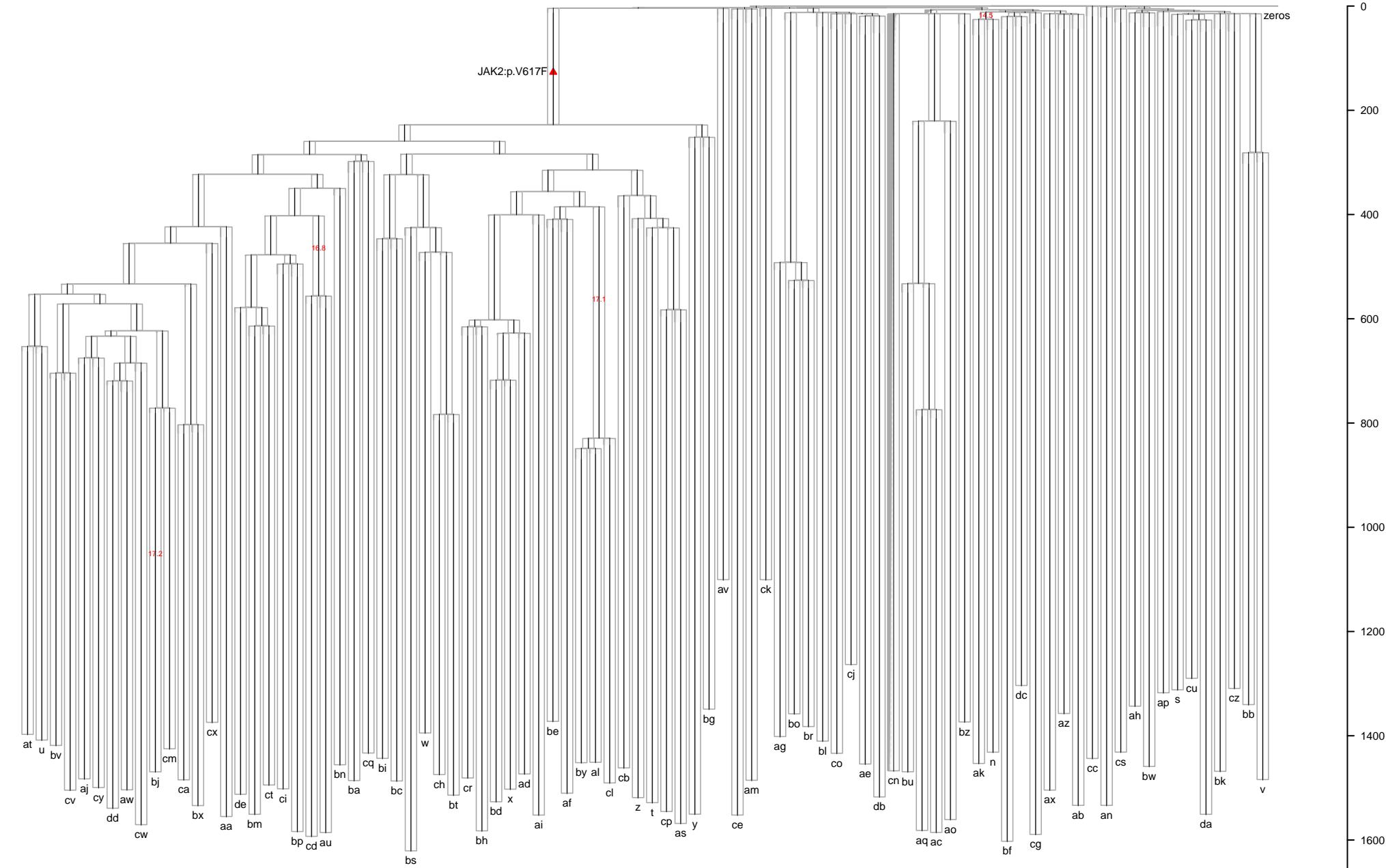
PD5117: Annotated with VAF from ae
Mean Depth=16.56



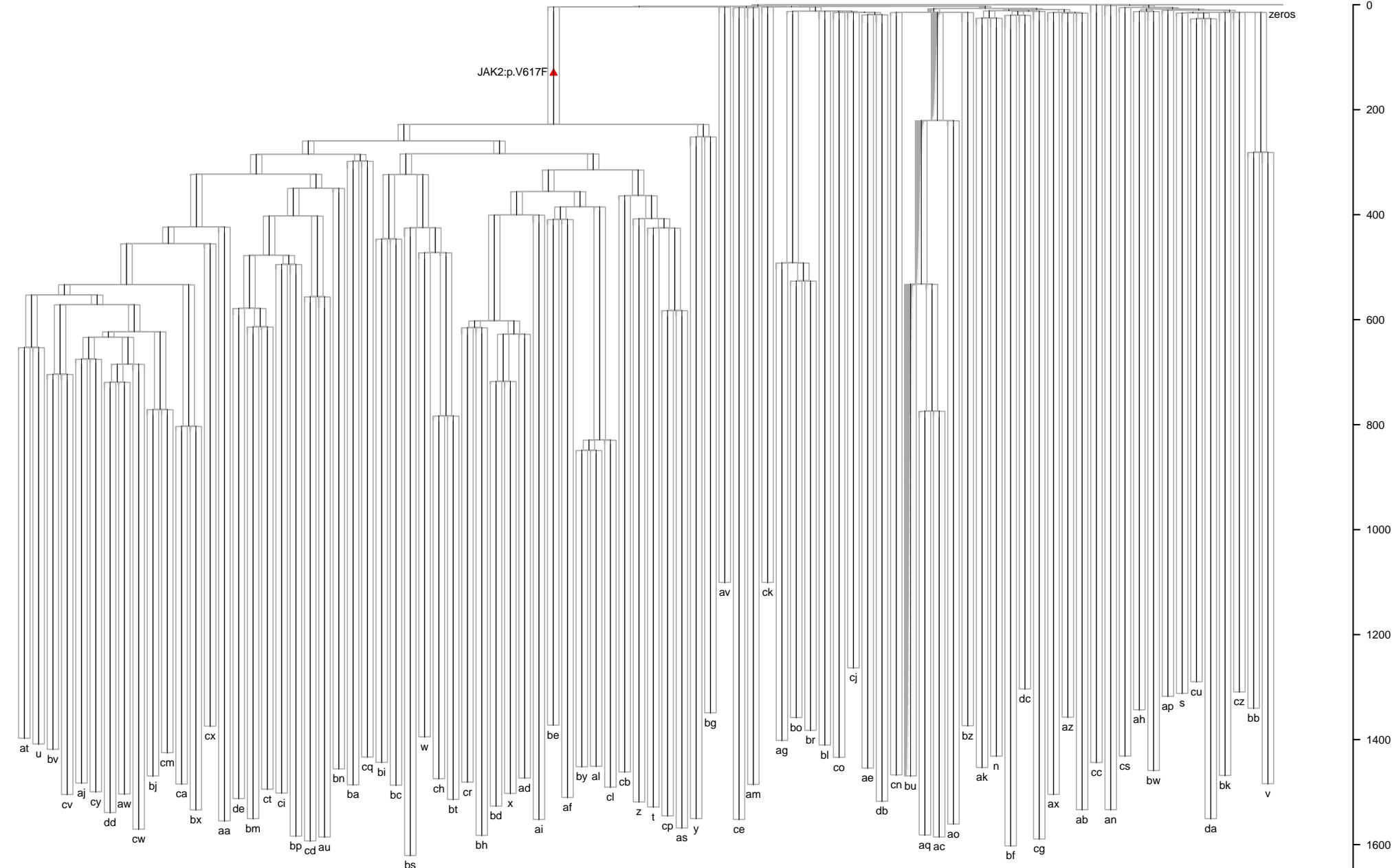
PD5117: Annotated with VAF from db
Mean Depth=18.49



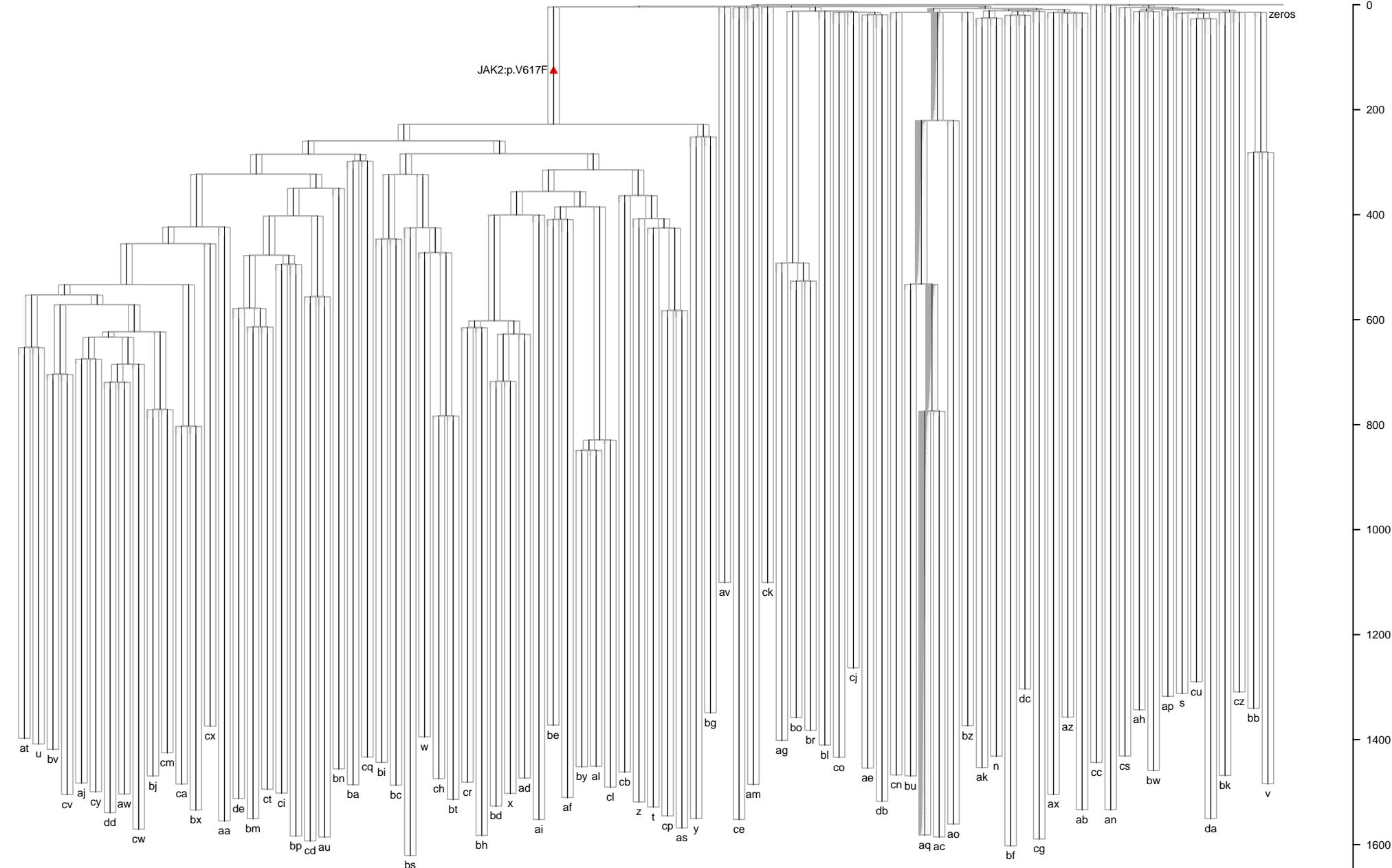
PD5117: Annotated with VAF from cn
Mean Depth=17.66



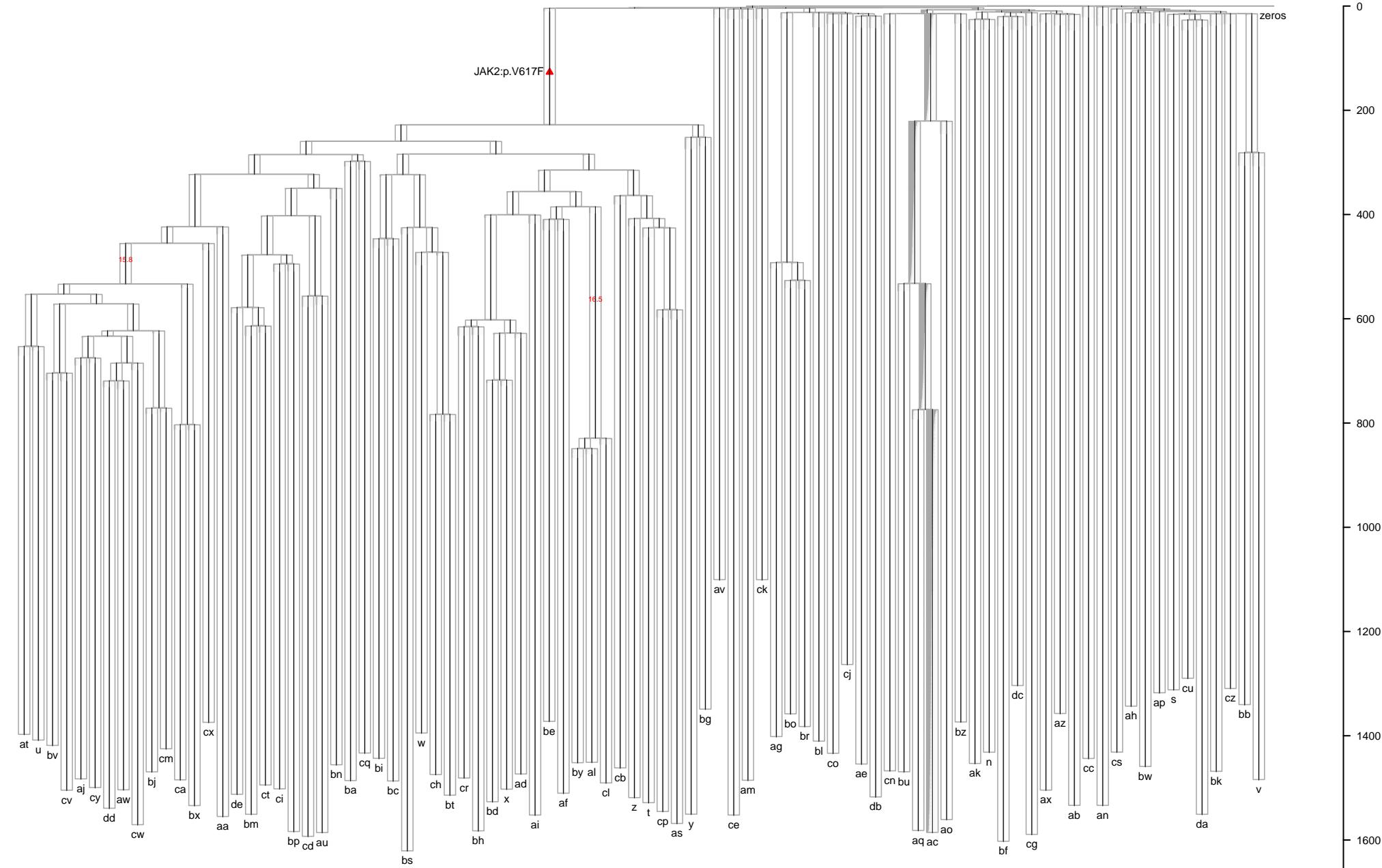
PD5117: Annotated with VAF from bu
Mean Depth=15.32



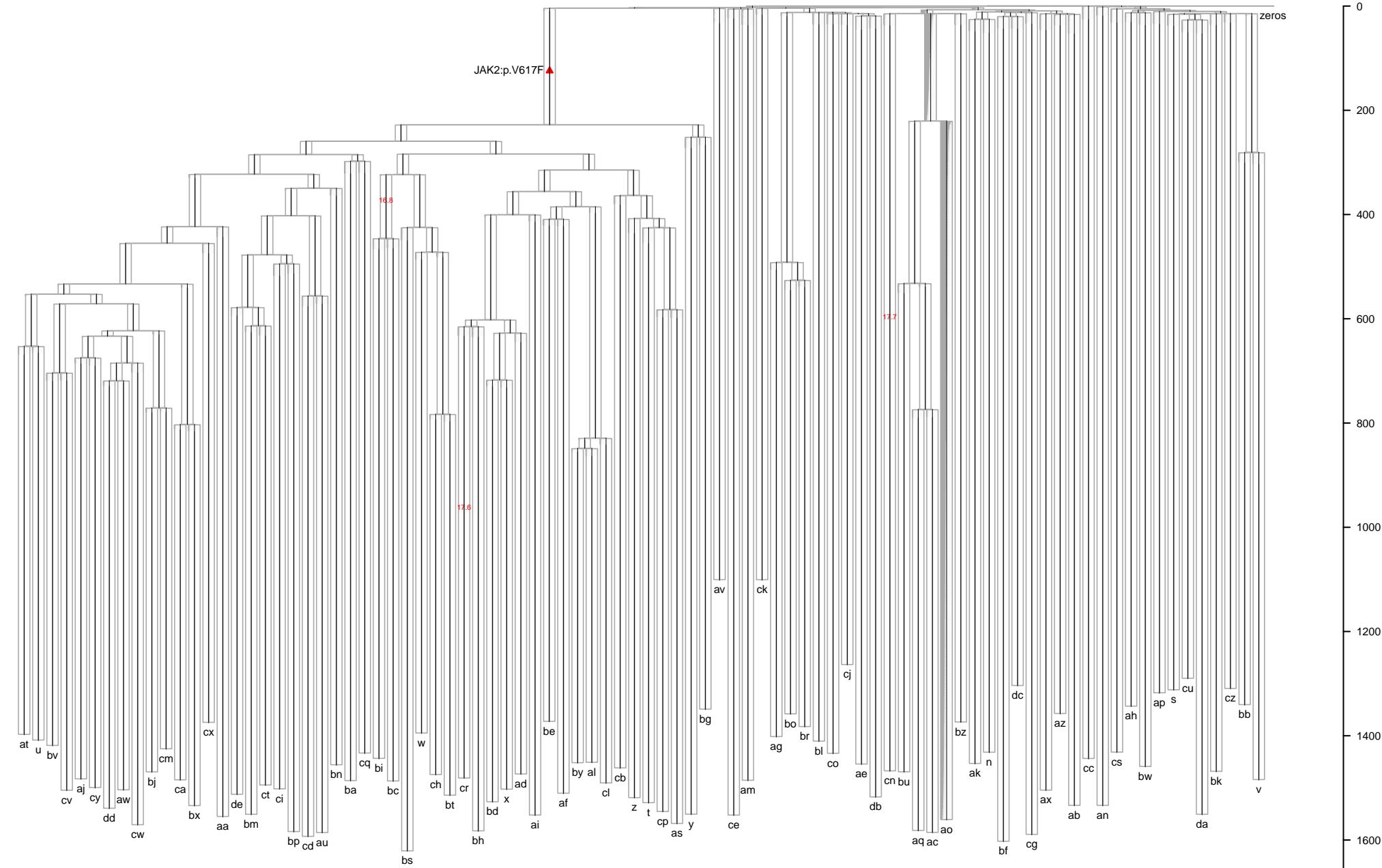
PD5117: Annotated with VAF from aq
Mean Depth=15.40



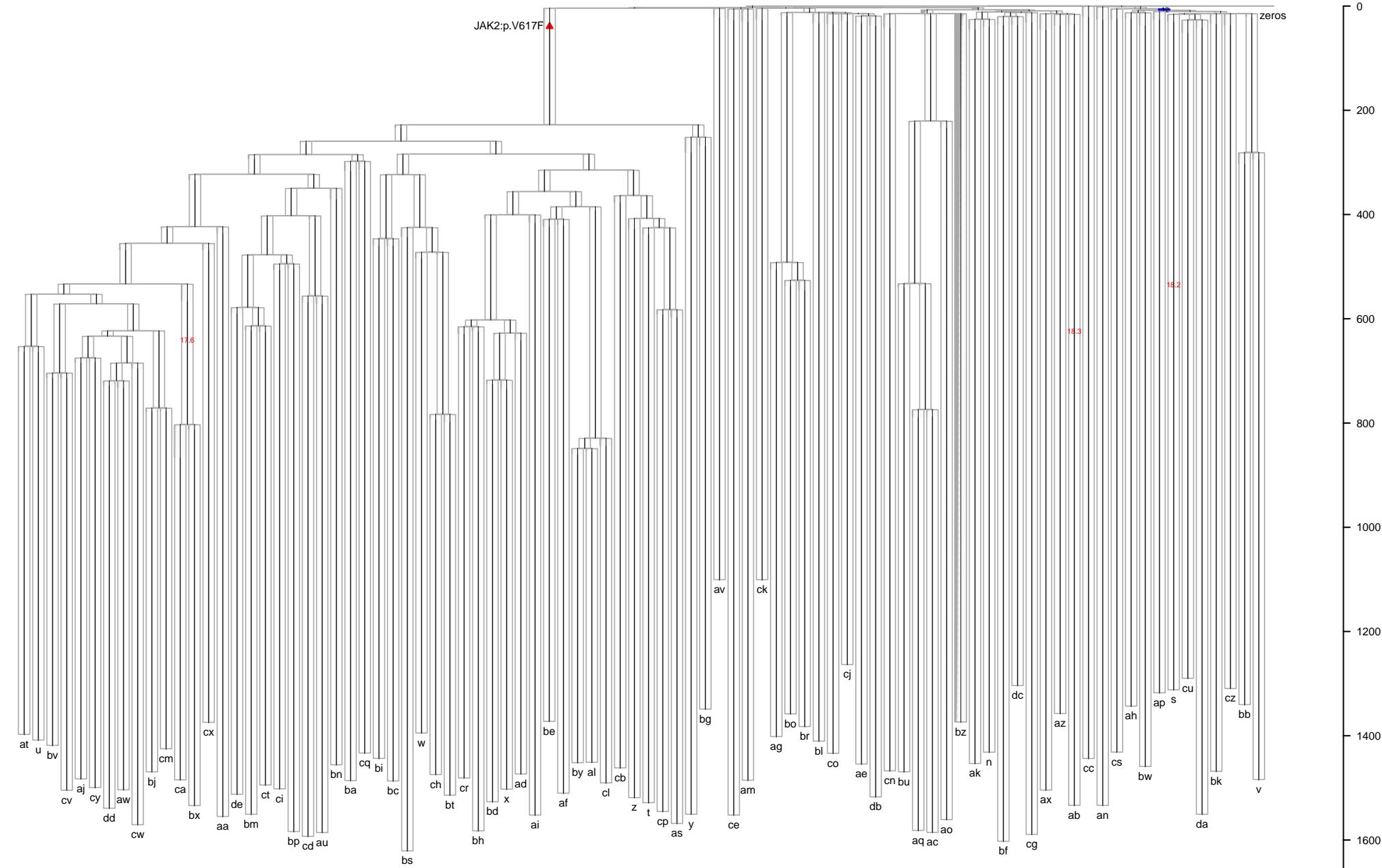
PD5117: Annotated with VAF from ac
Mean Depth=17.06



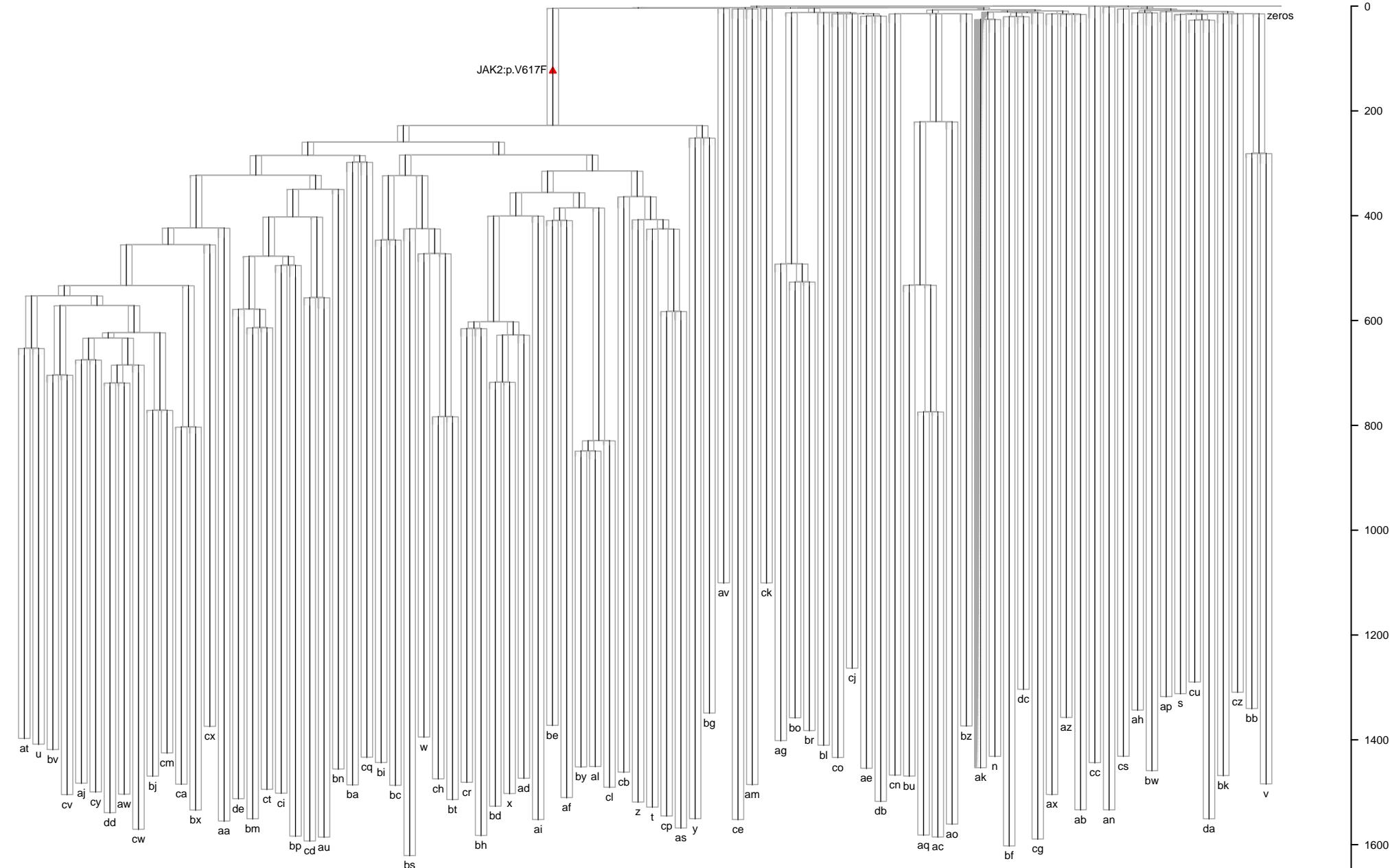
PD5117: Annotated with VAF from ao
Mean Depth=18.02

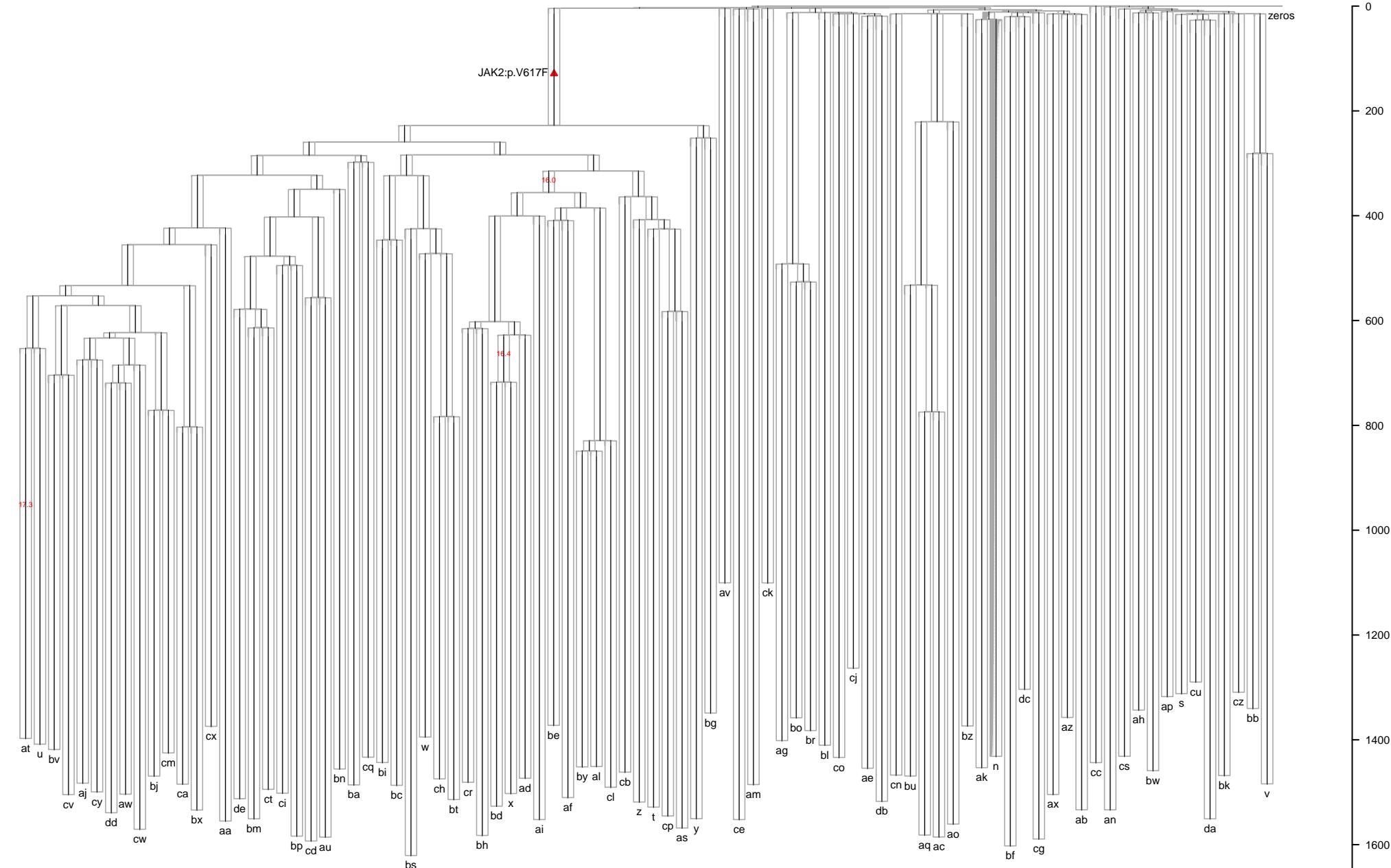


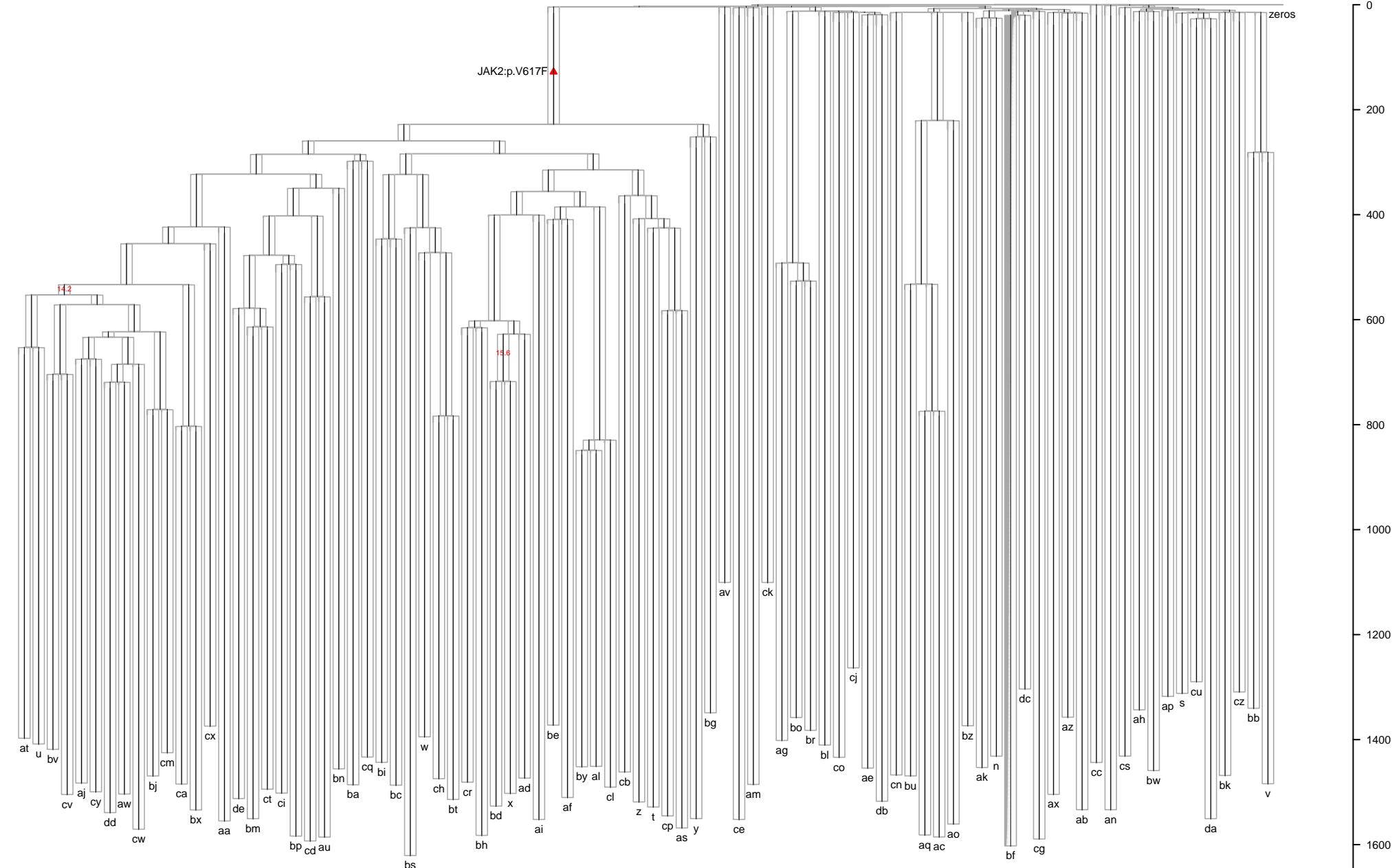
PD5117: Annotated with VAF from bz
Mean Depth=18.64



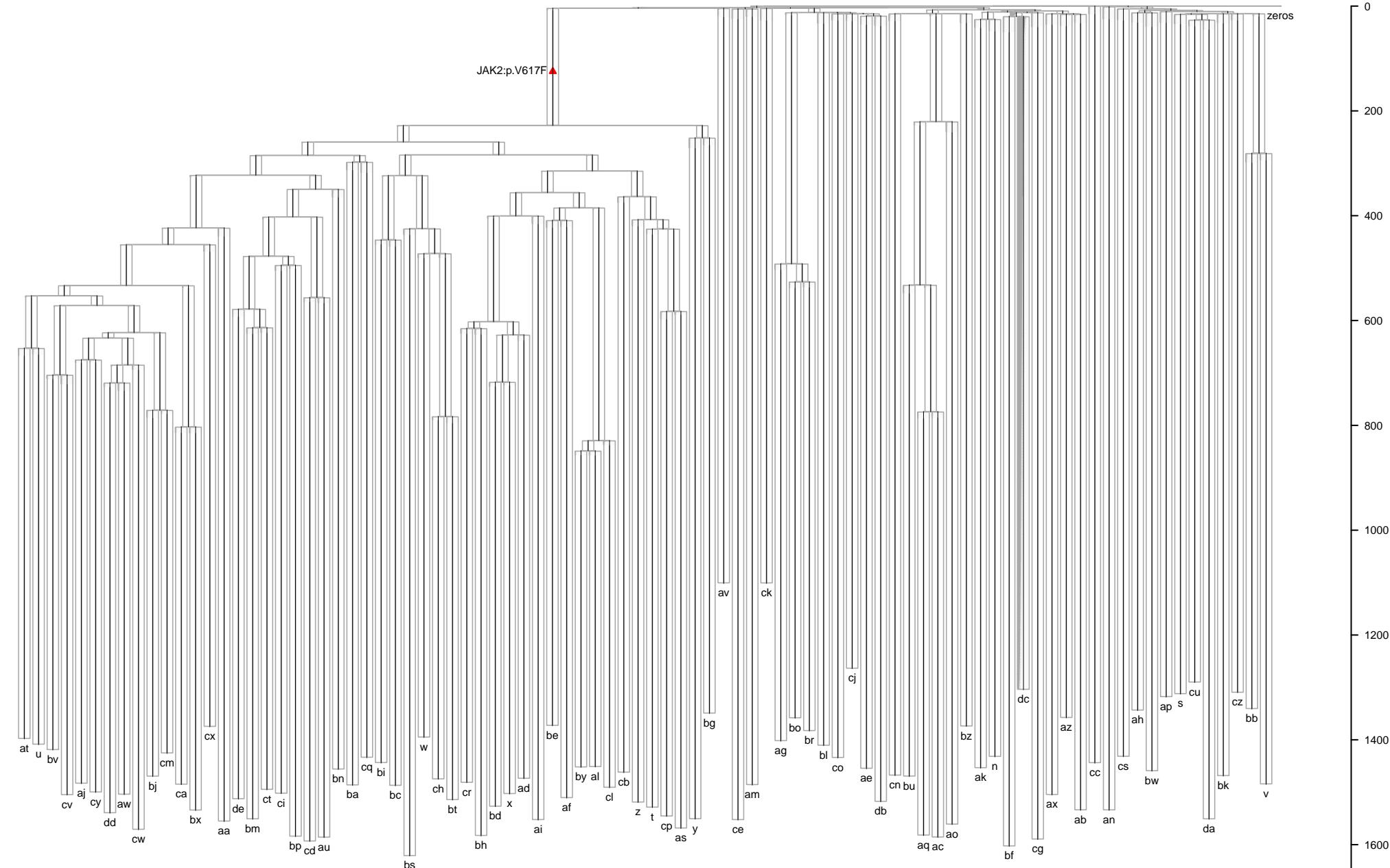
PD5117: Annotated with VAF from ak
Mean Depth=17.08

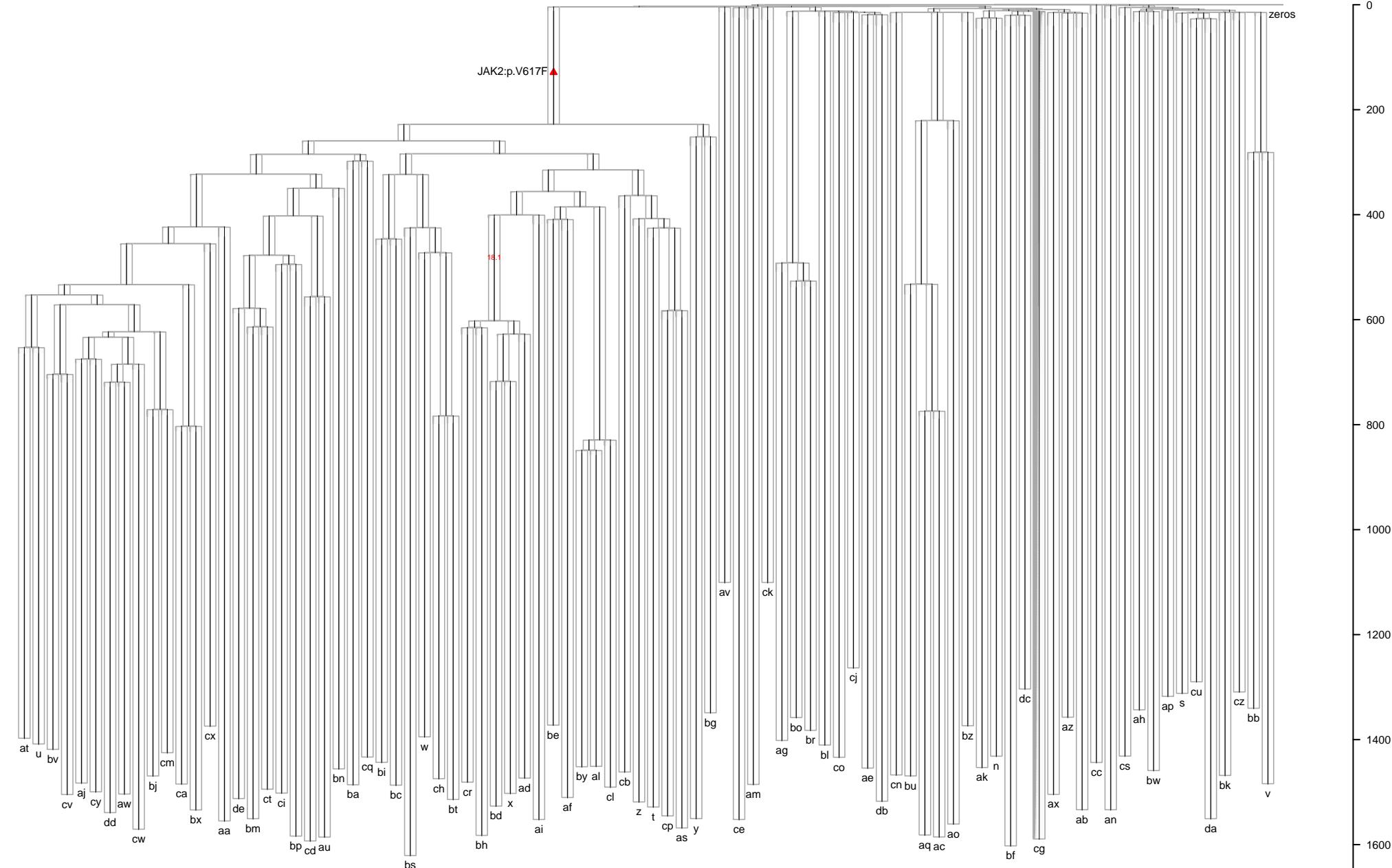




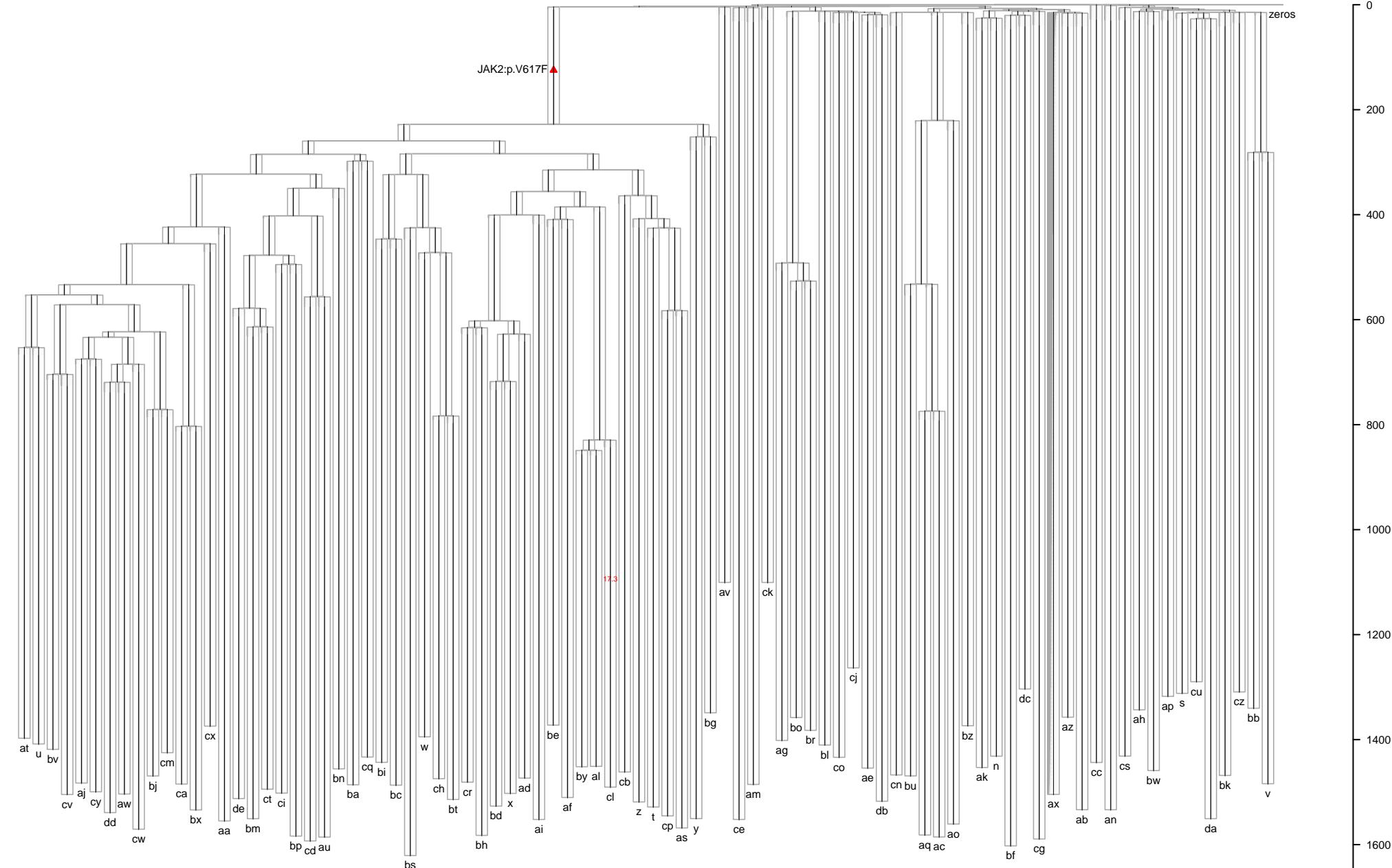


PD5117: Annotated with VAF from dc
Mean Depth=20.58

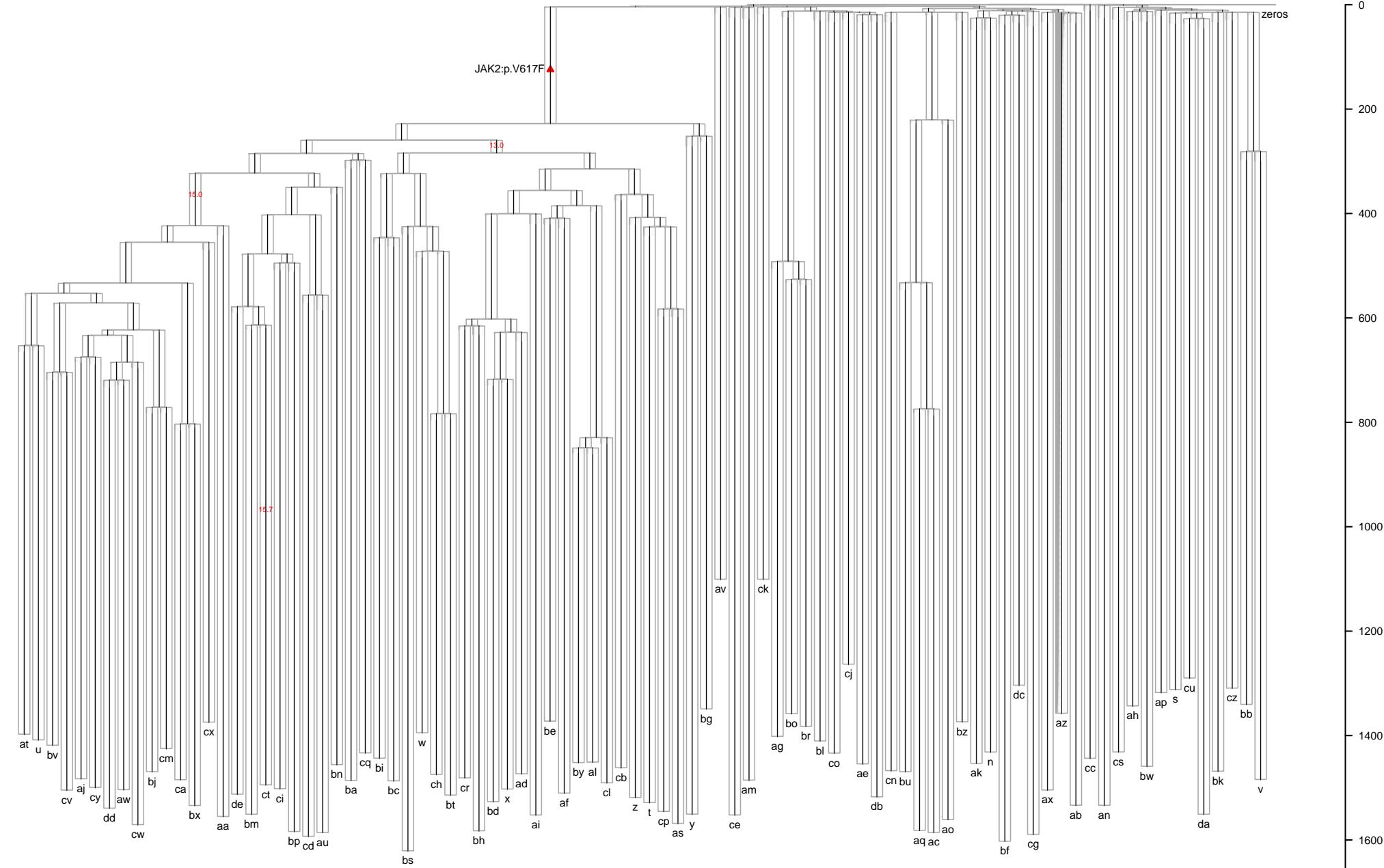




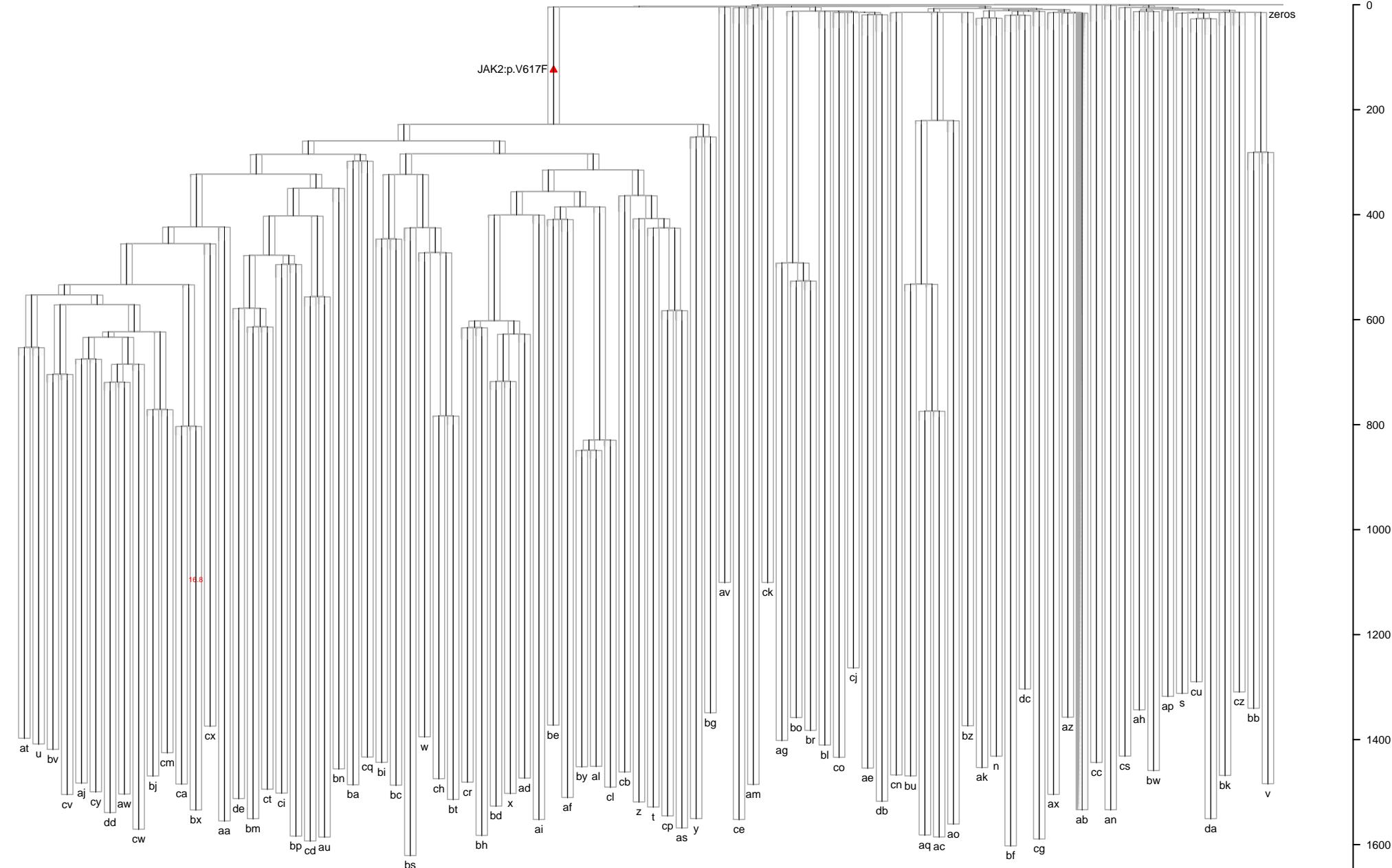
PD5117: Annotated with VAF from ax
Mean Depth=17.73



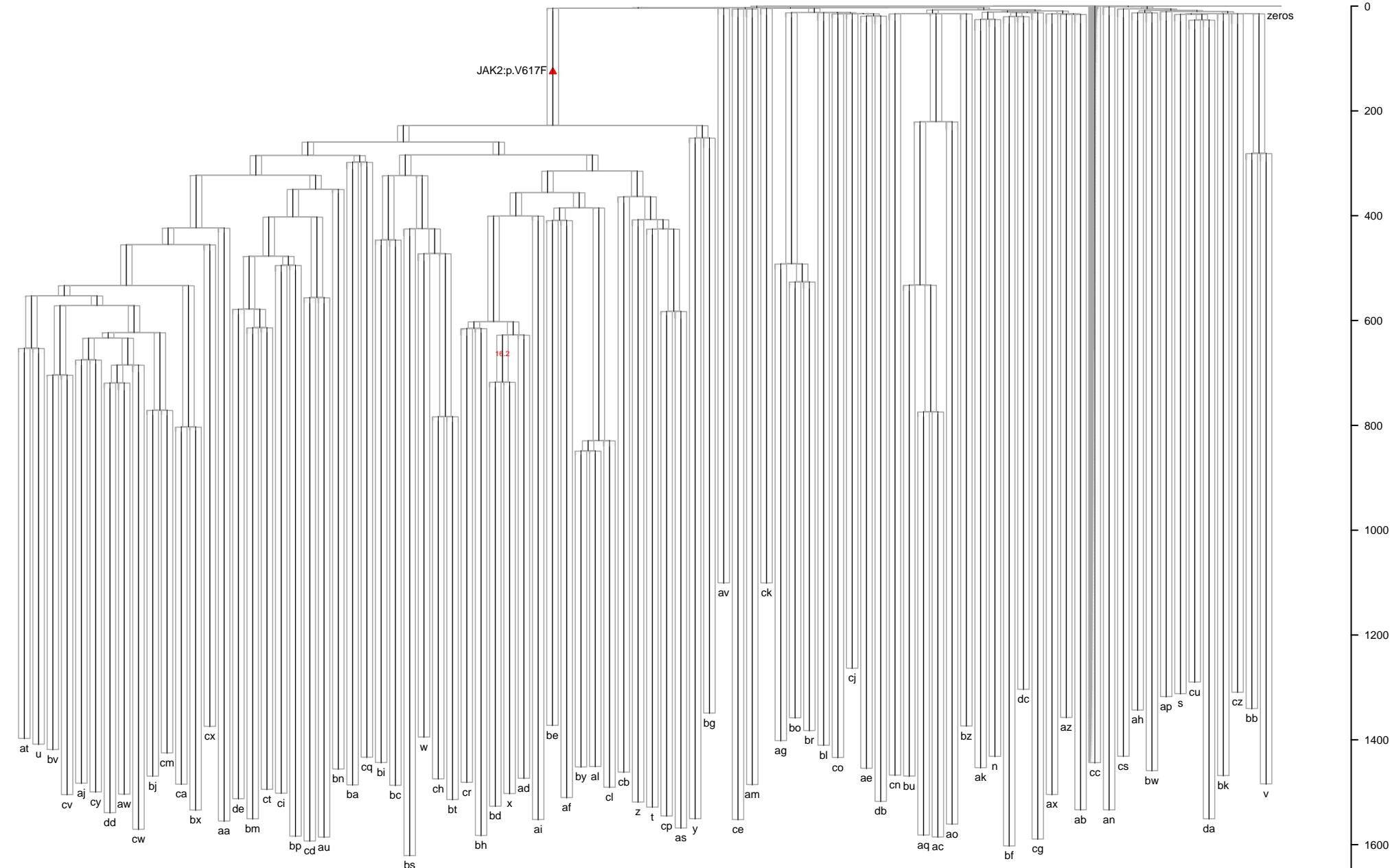
PD5117: Annotated with VAF from az
Mean Depth=16.10



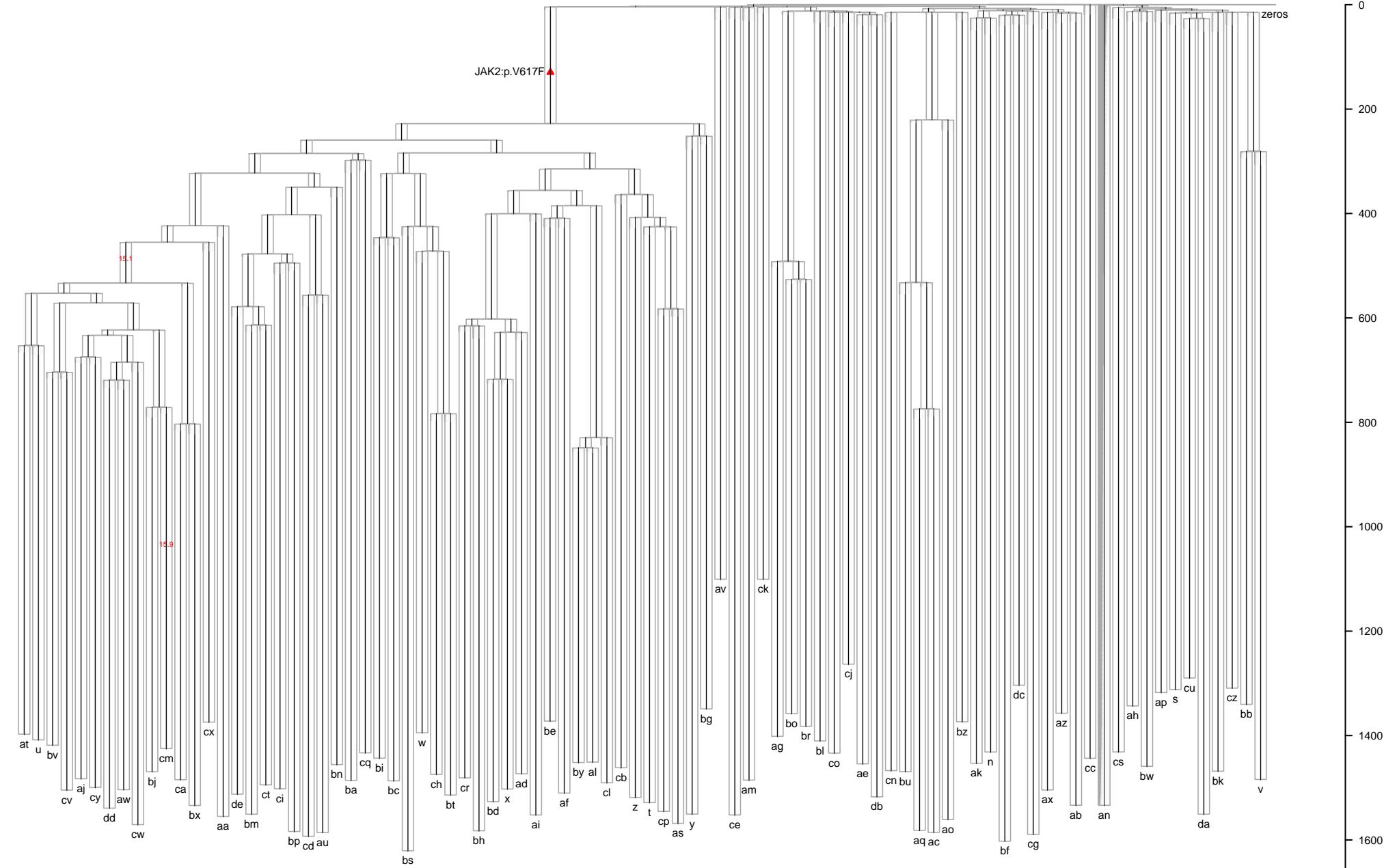
PD5117: Annotated with VAF from ab
Mean Depth=17.36



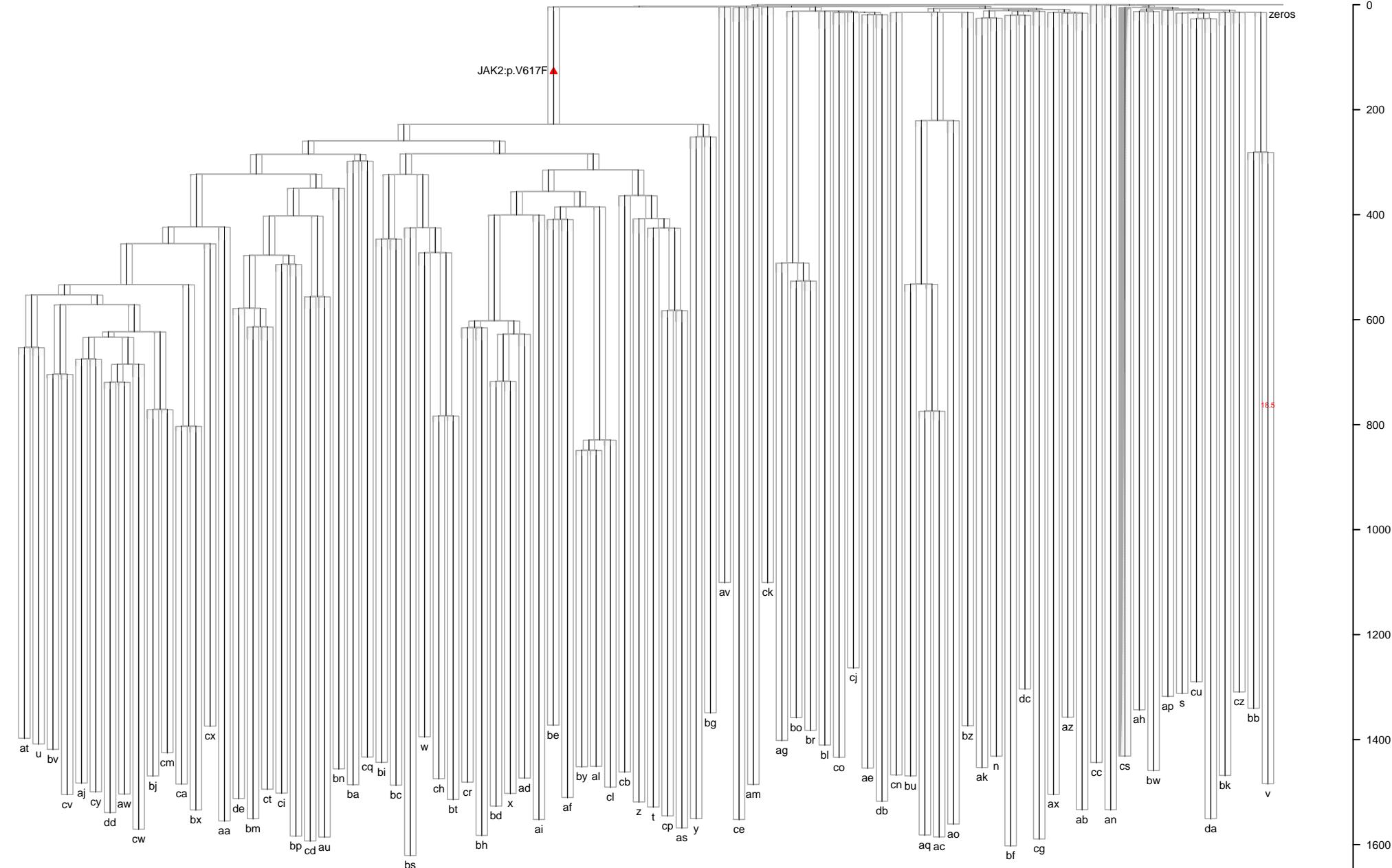
PD5117: Annotated with VAF from cc
Mean Depth=17.35



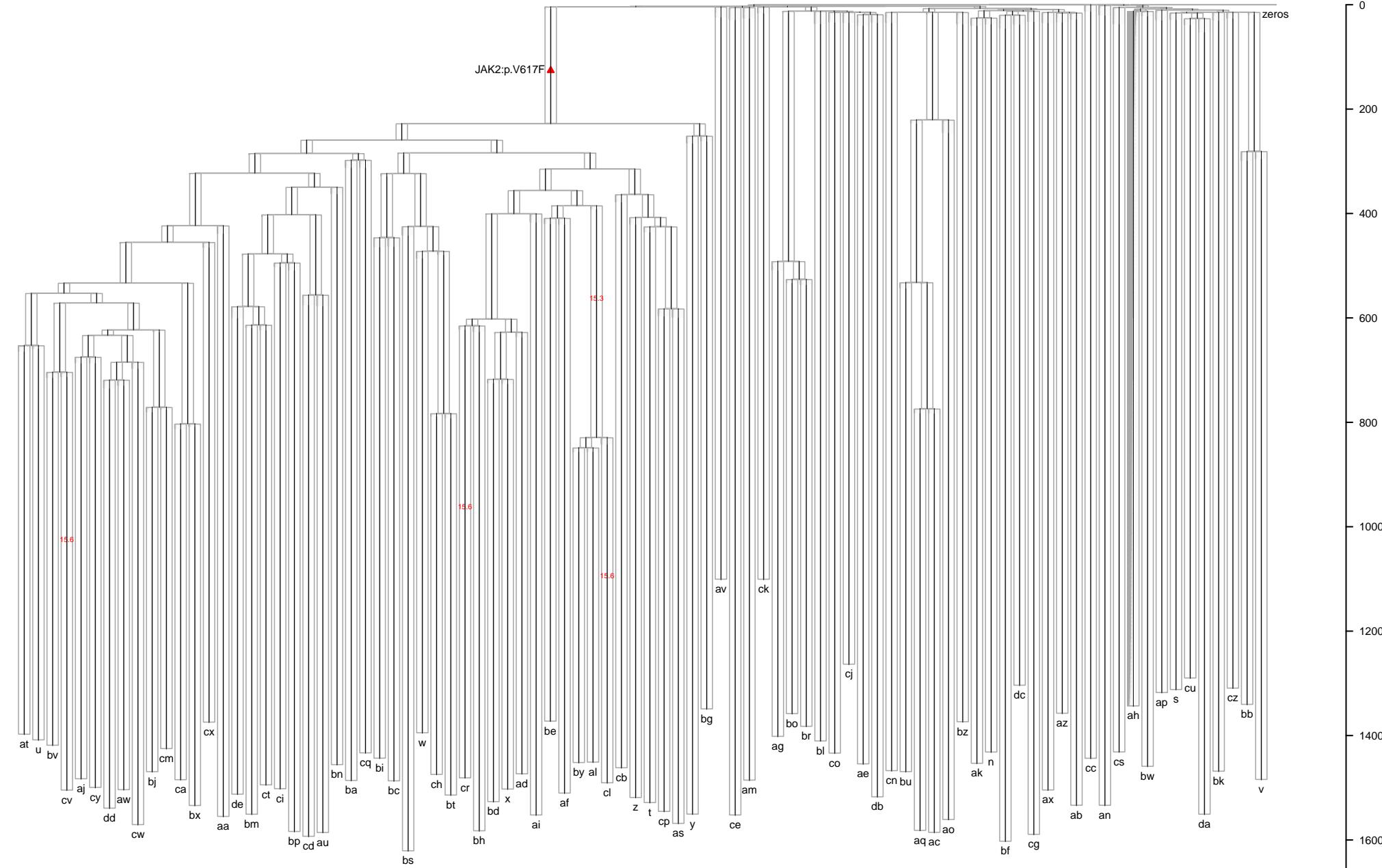
PD5117: Annotated with VAF from an
Mean Depth=16.49



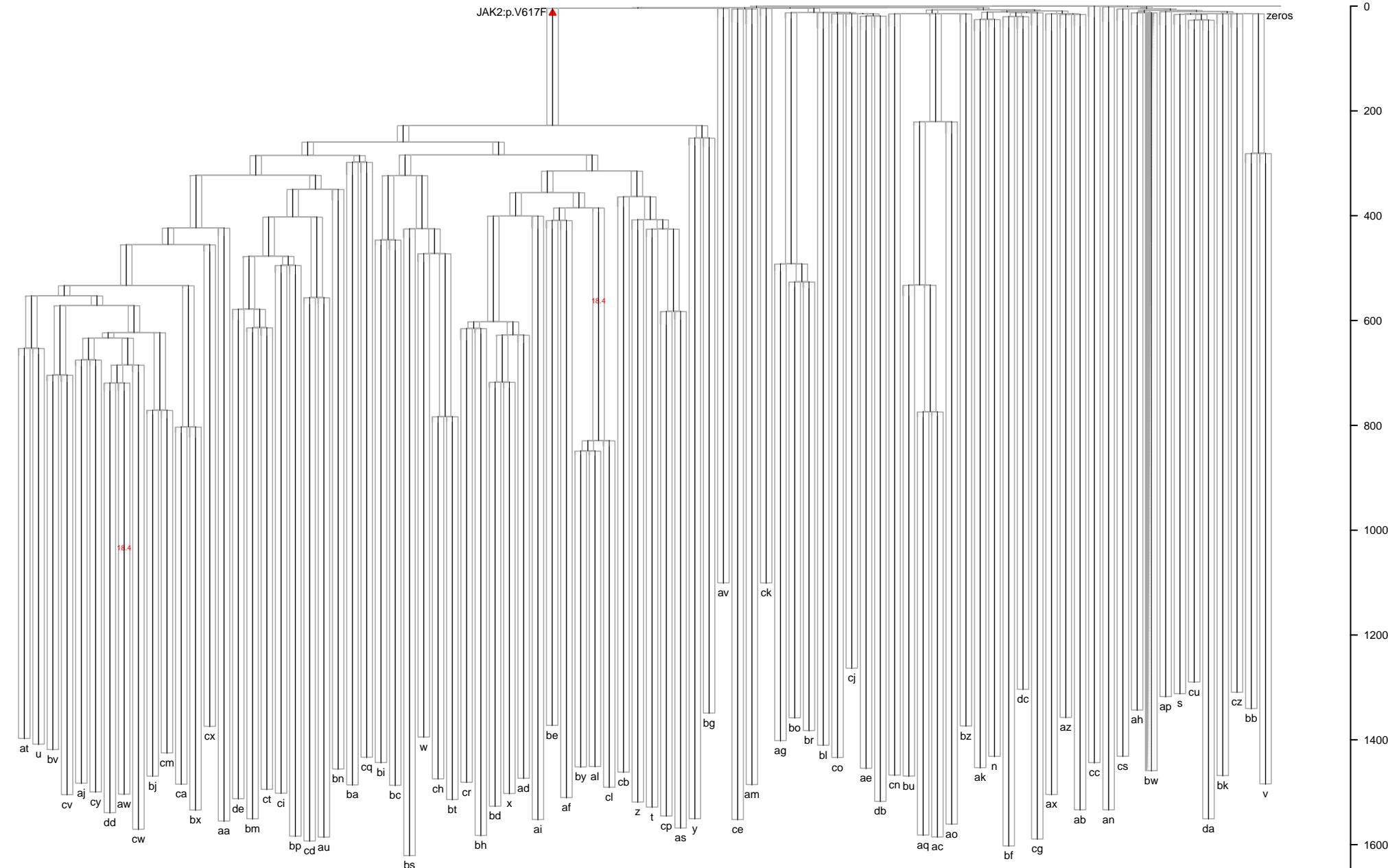
PD5117: Annotated with VAF from cs
Mean Depth=18.86



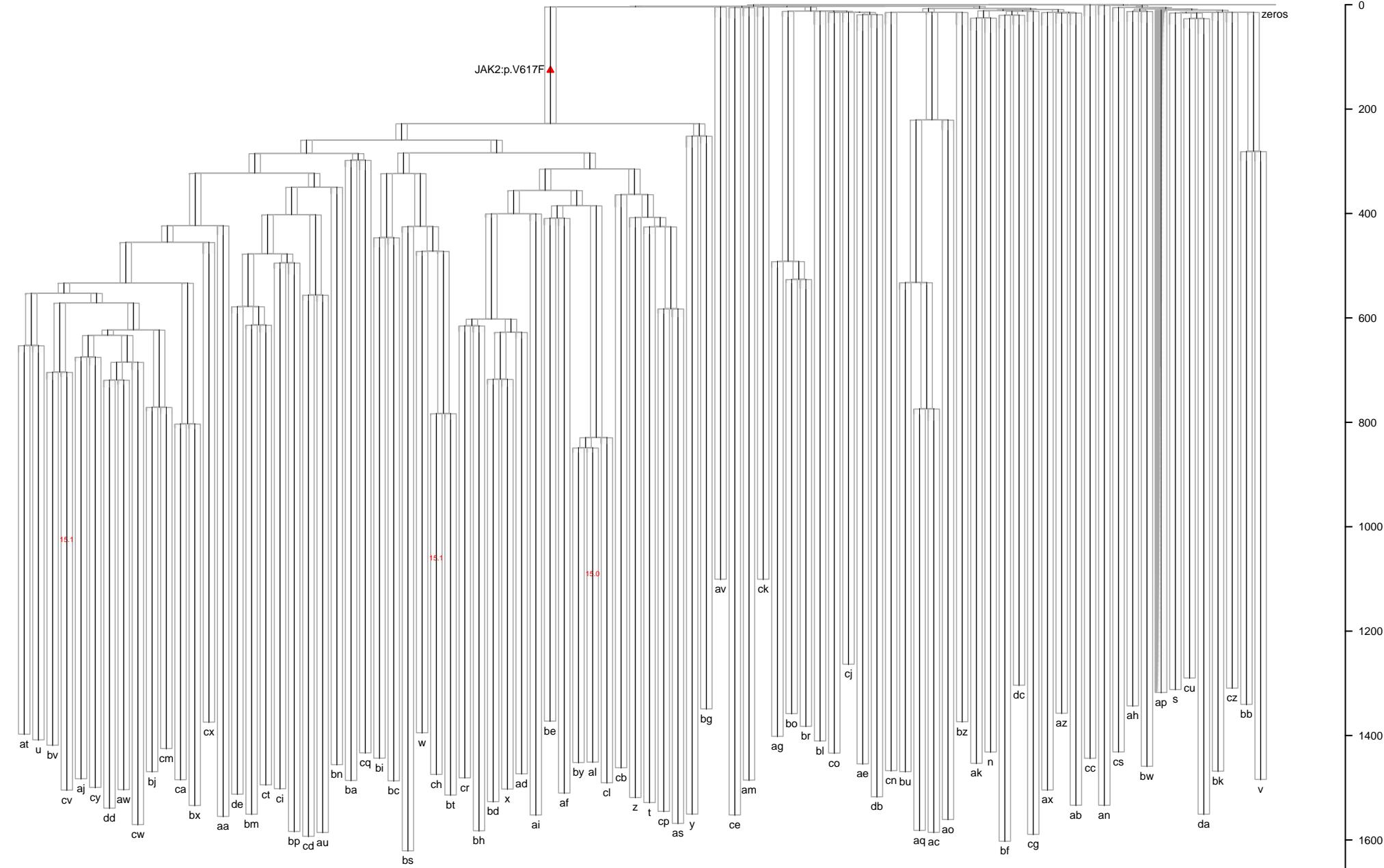
**PD5117: Annotated with VAF from ah
Mean Depth=16.04**

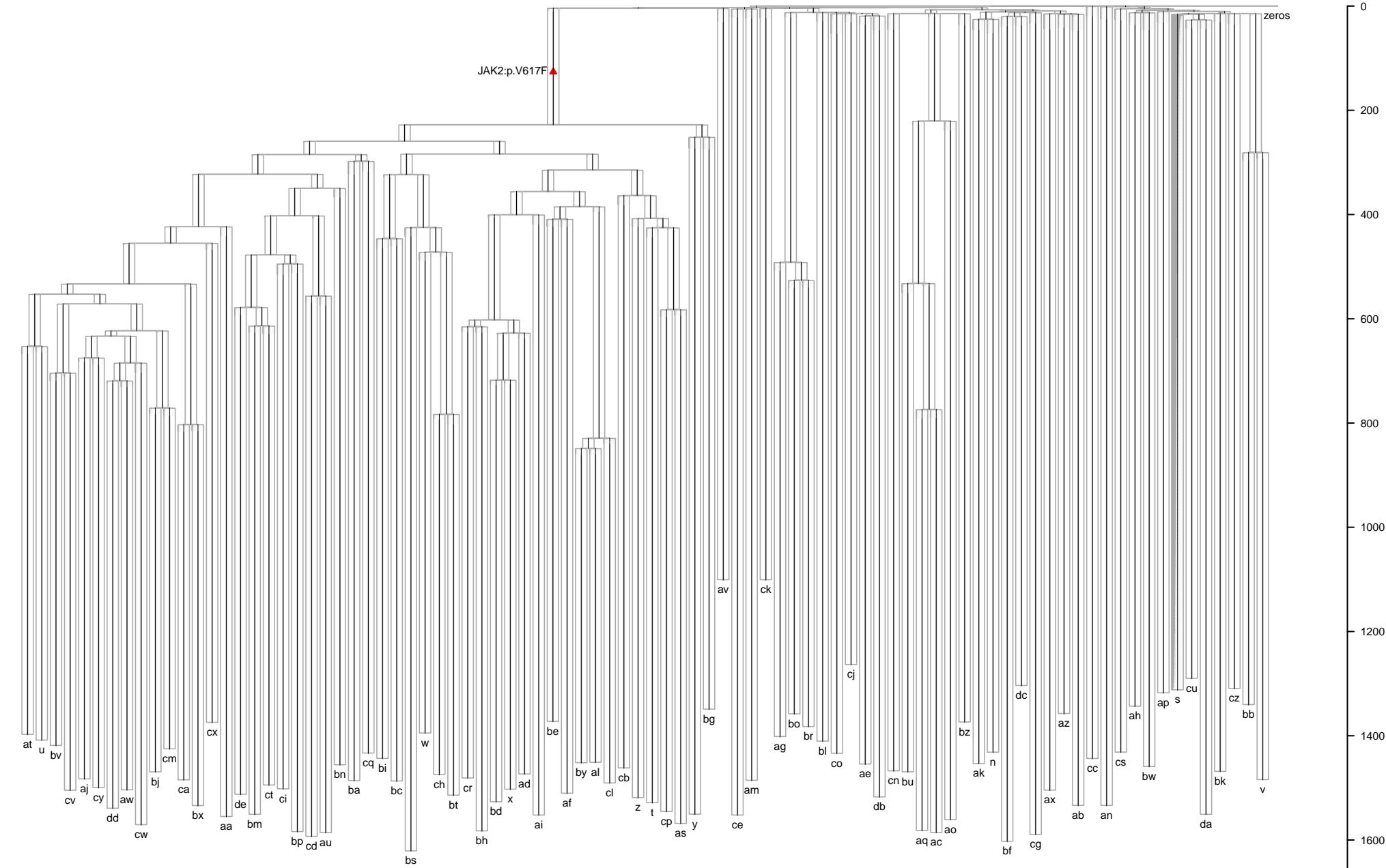


PD5117: Annotated with VAF from bw
Mean Depth=18.99

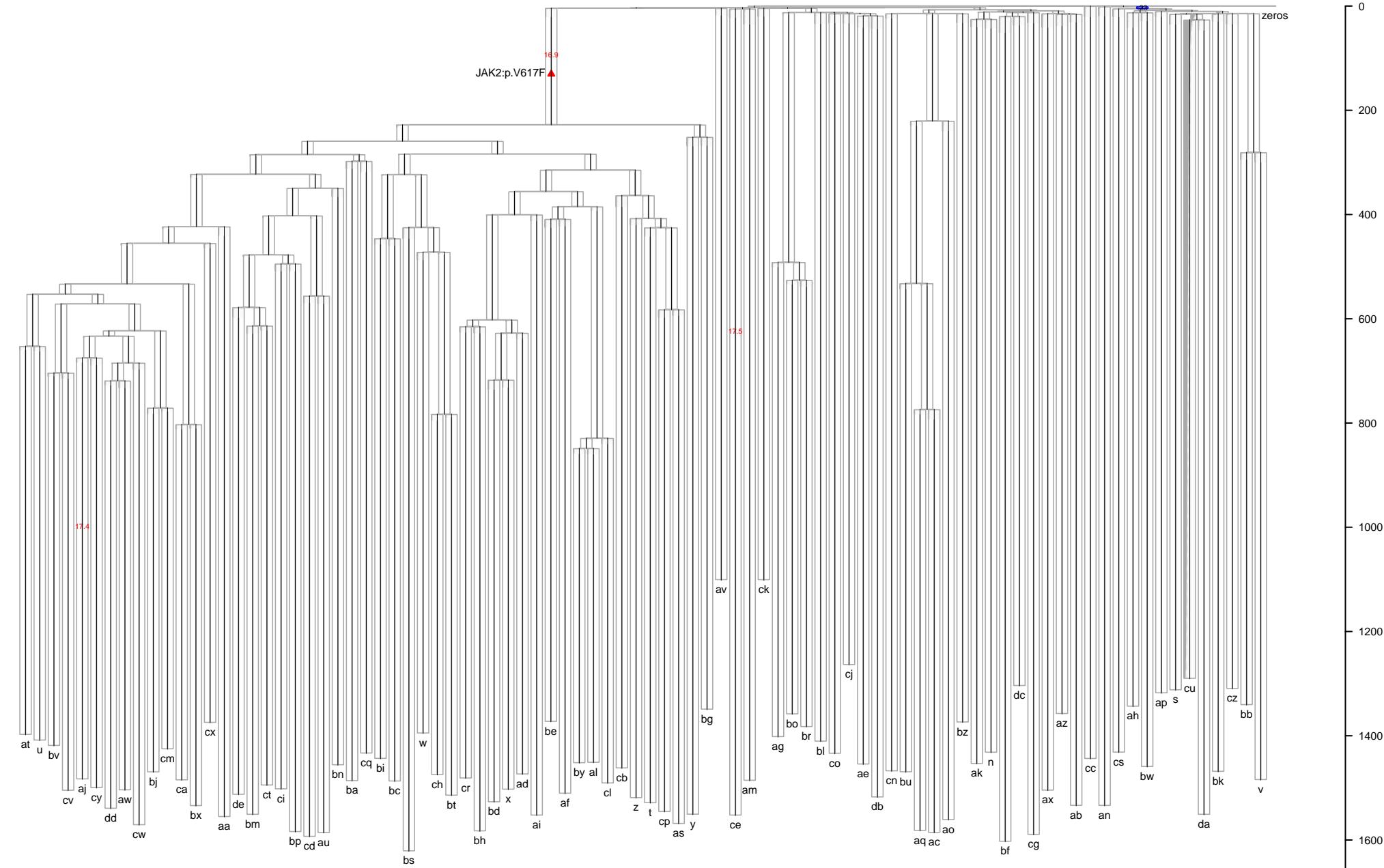


PD5117: Annotated with VAF from ap
Mean Depth=15.48

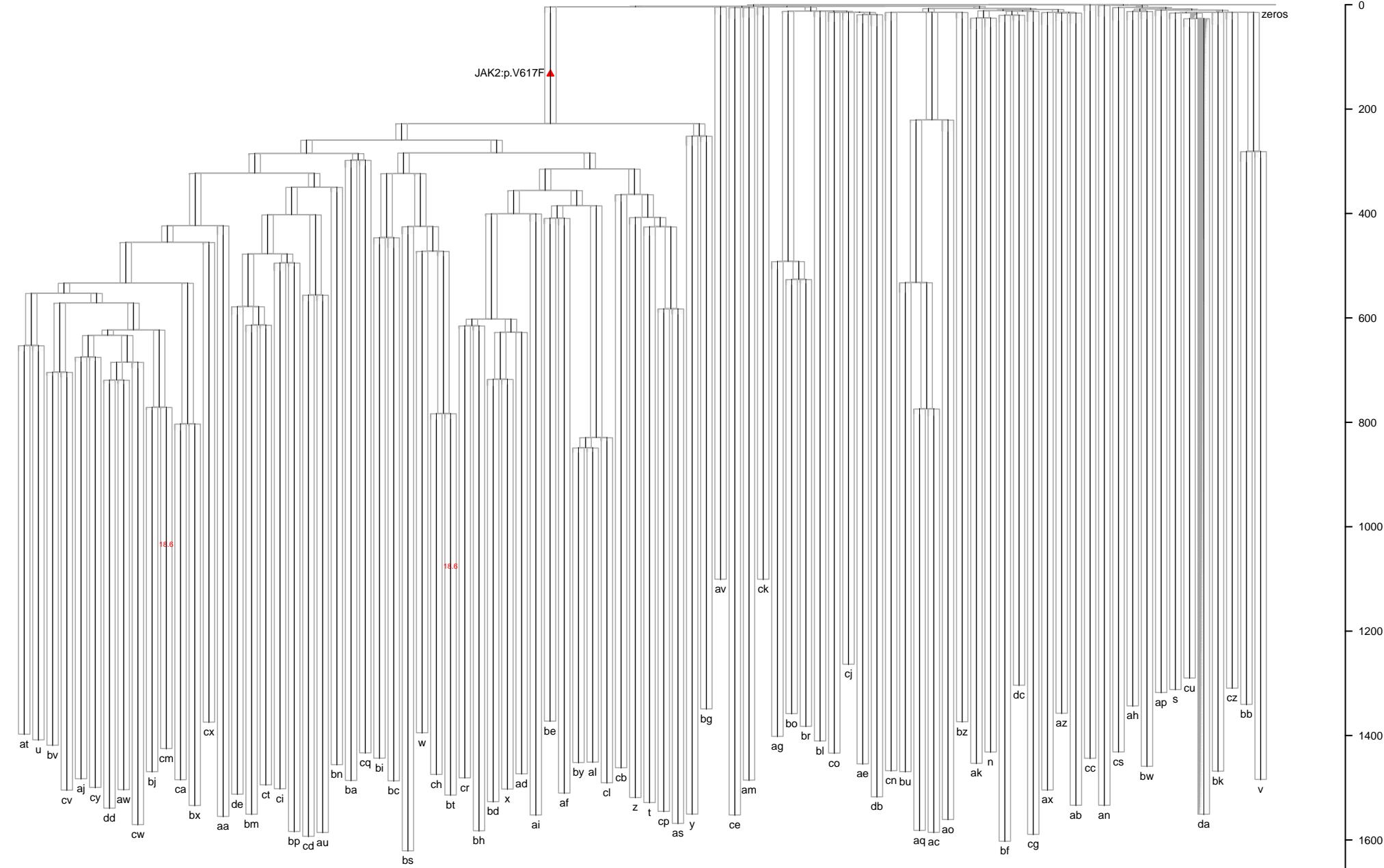




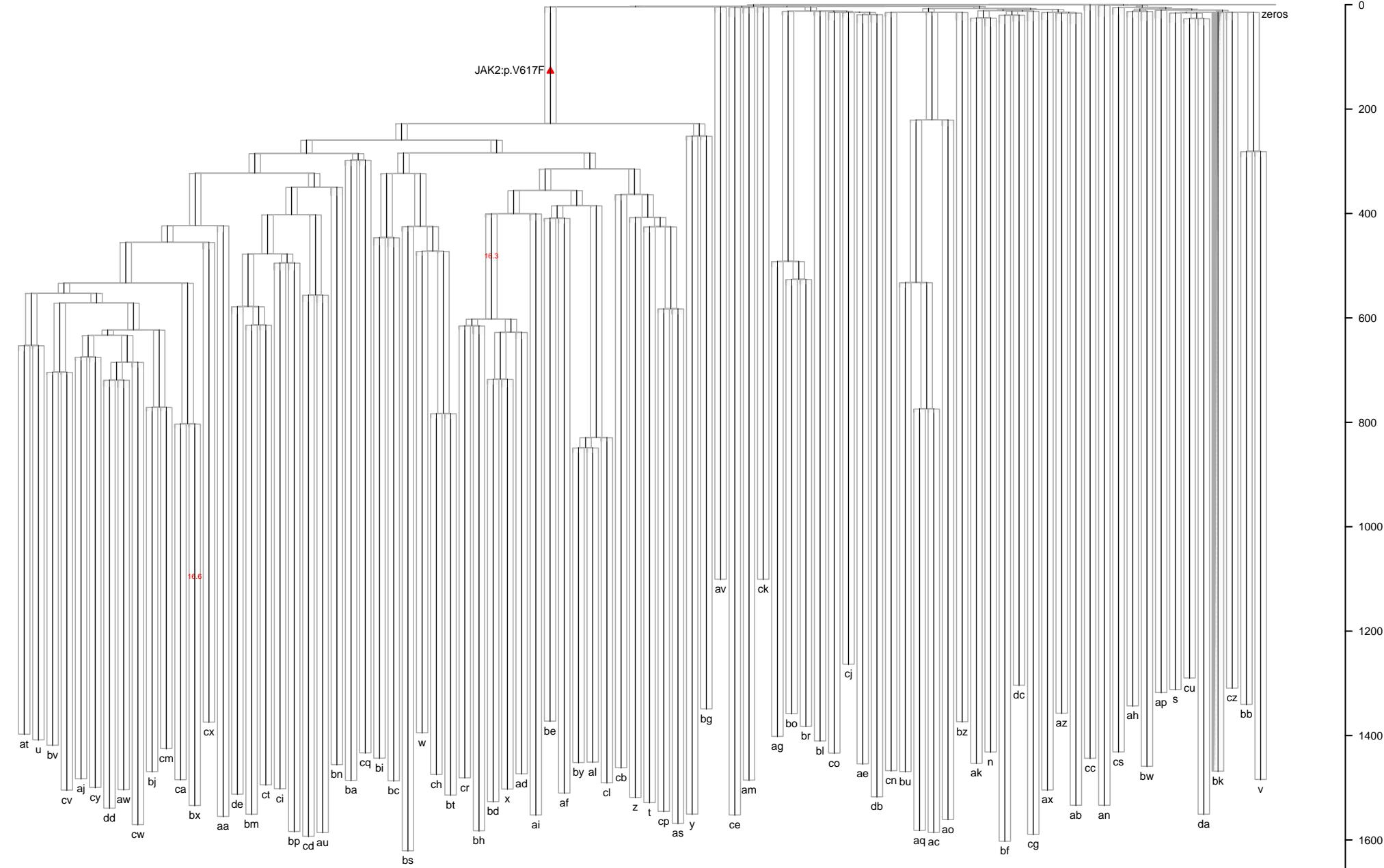
PD5117: Annotated with VAF from cu
Mean Depth=17.81



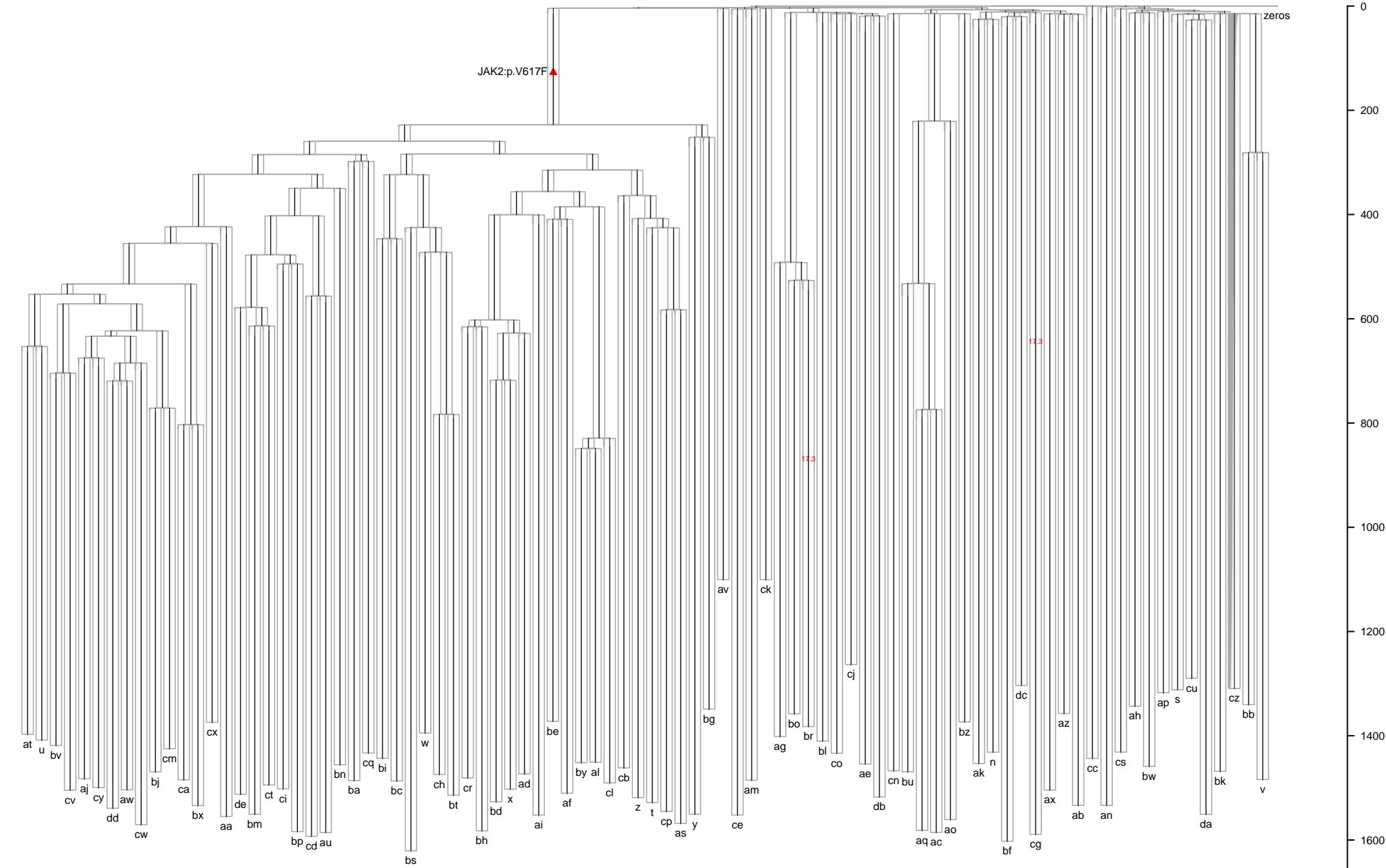
PD5117: Annotated with VAF from da
Mean Depth=19.13



PD5117: Annotated with VAF from bk
Mean Depth=17.12



PD5117: Annotated with VAF from cz
Mean Depth=17.79



PD5117: Annotated with VAF from bb
Mean Depth=17.83

