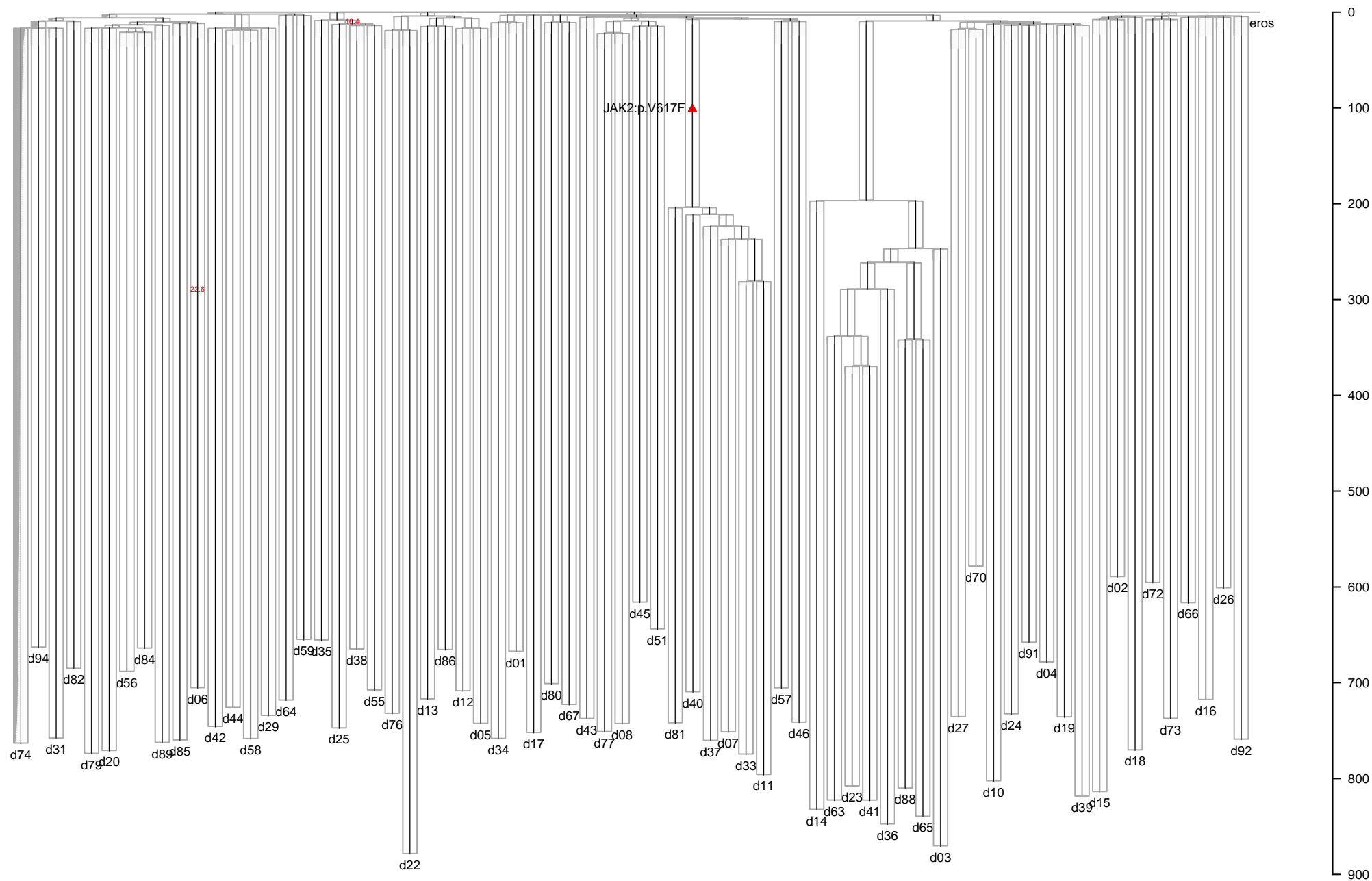


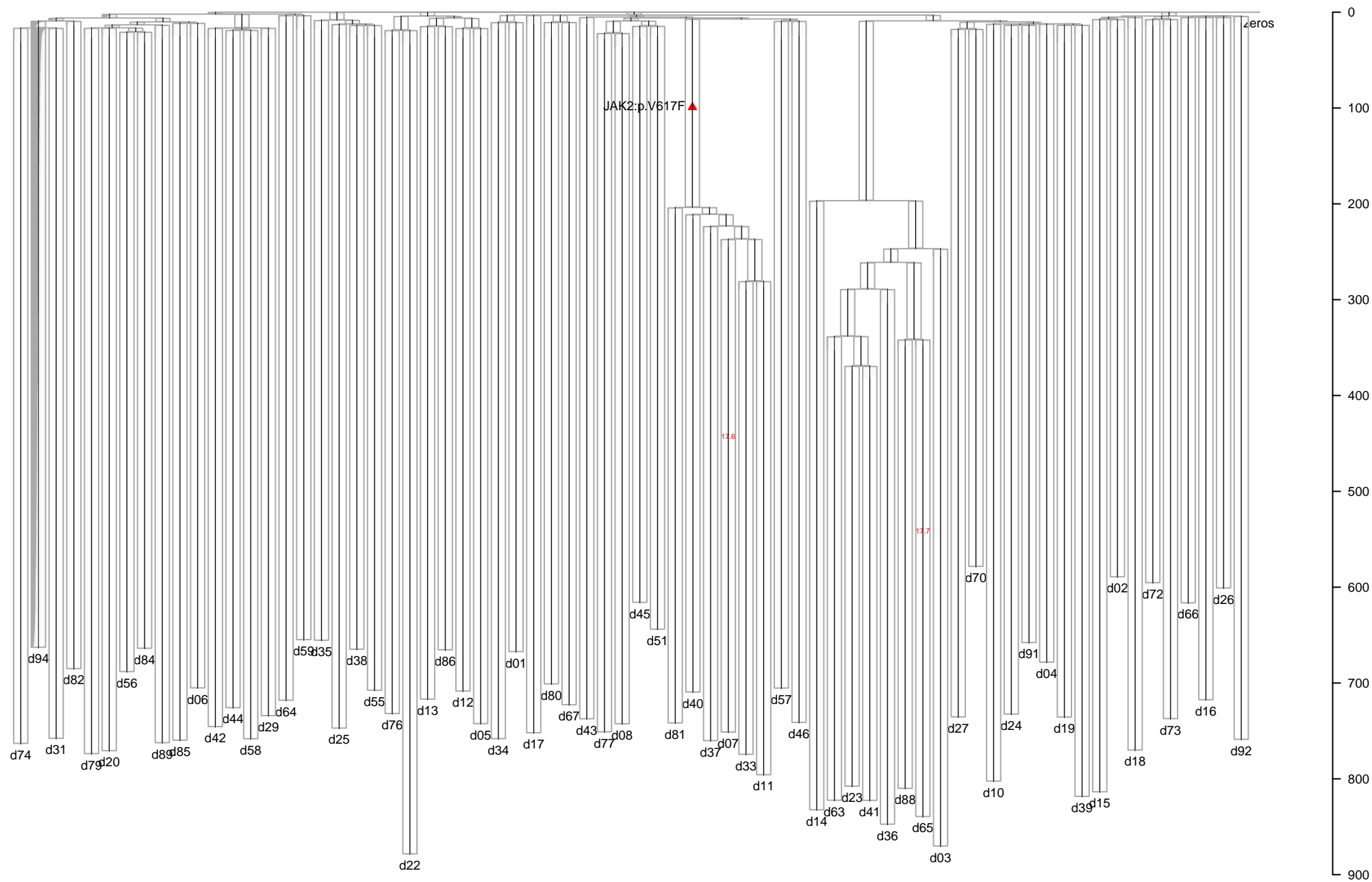
Tree By Colony Quality Assessment

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.

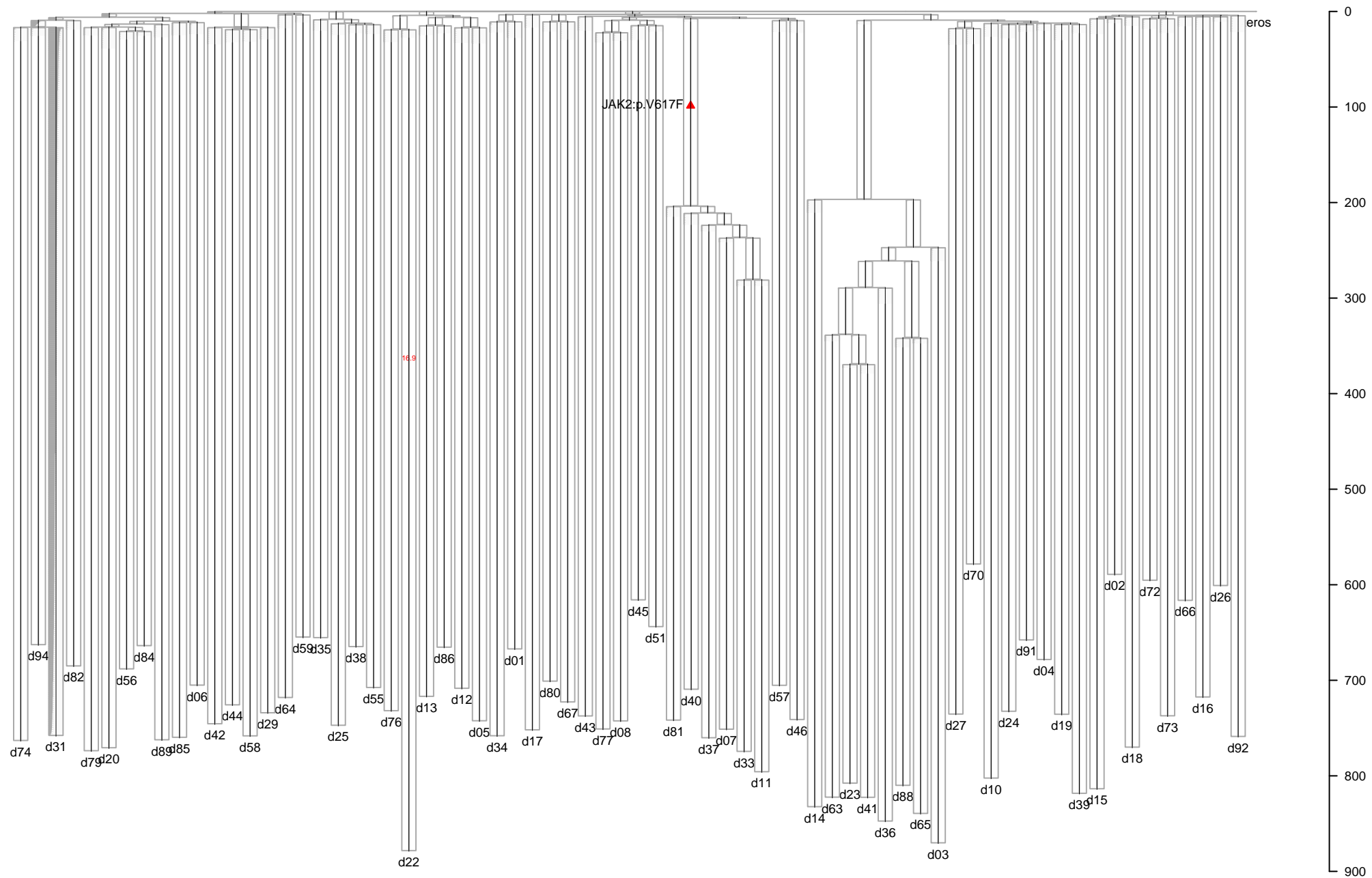
PD5163: Annotated with VAF from d74
Mean Depth=23.16



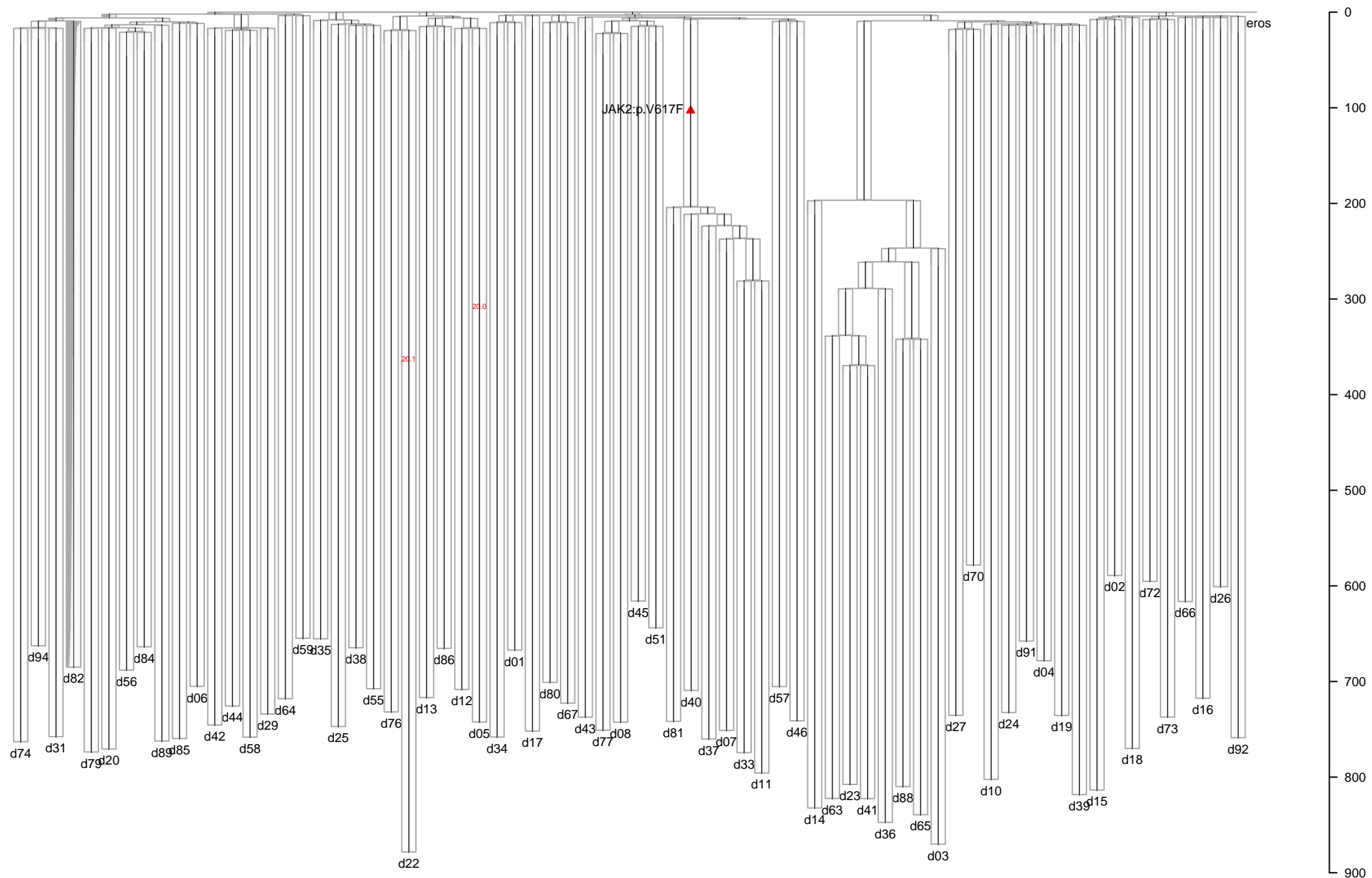
PD5163: Annotated with VAF from d94
Mean Depth=18.28



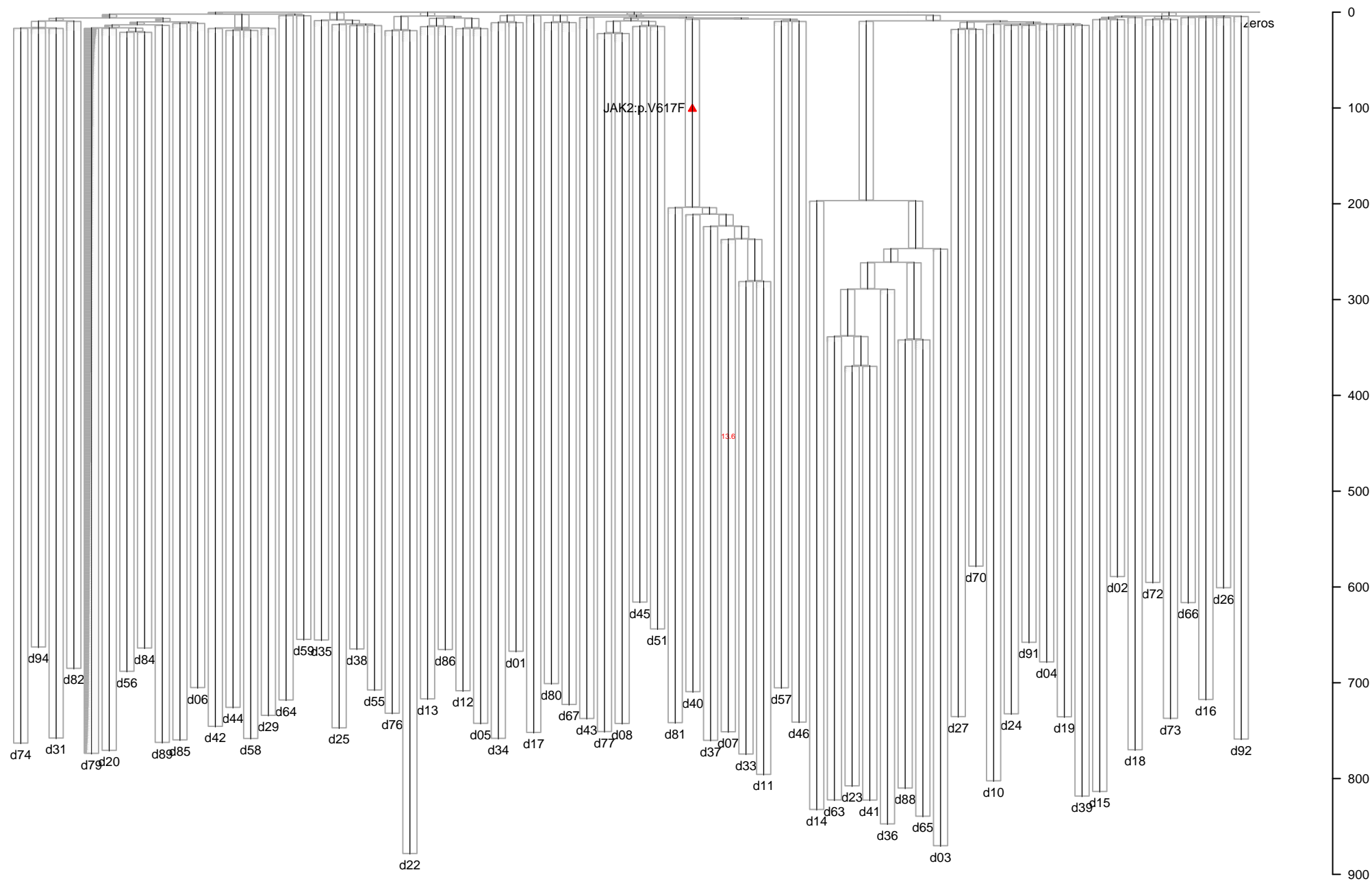
PD5163: Annotated with VAF from d3
Mean Depth=17.40



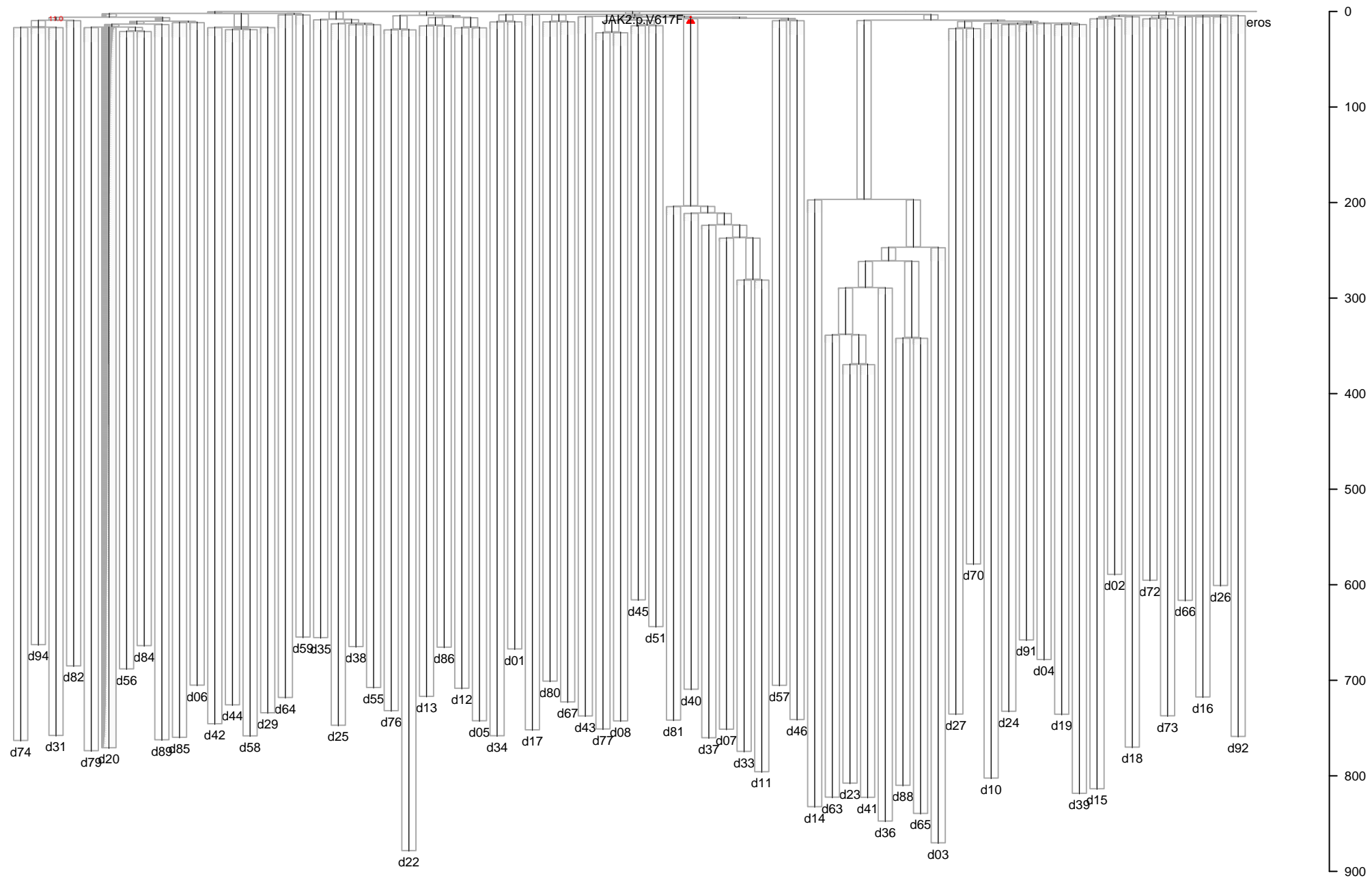
PD5163: Annotated with VAF from d82
Mean Depth=20.51



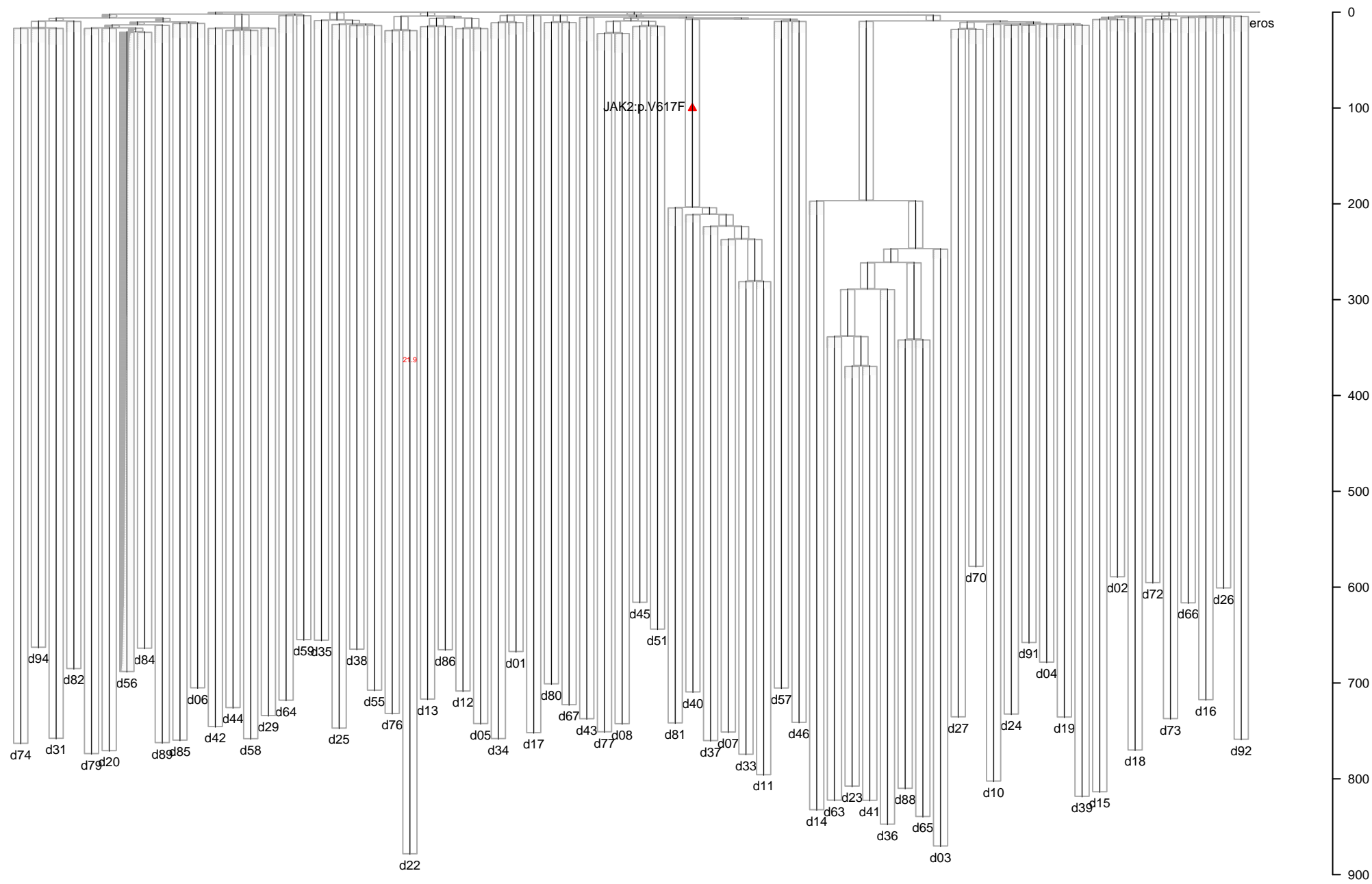
PD5163: Annotated with VAF from d79
Mean Depth=14.09



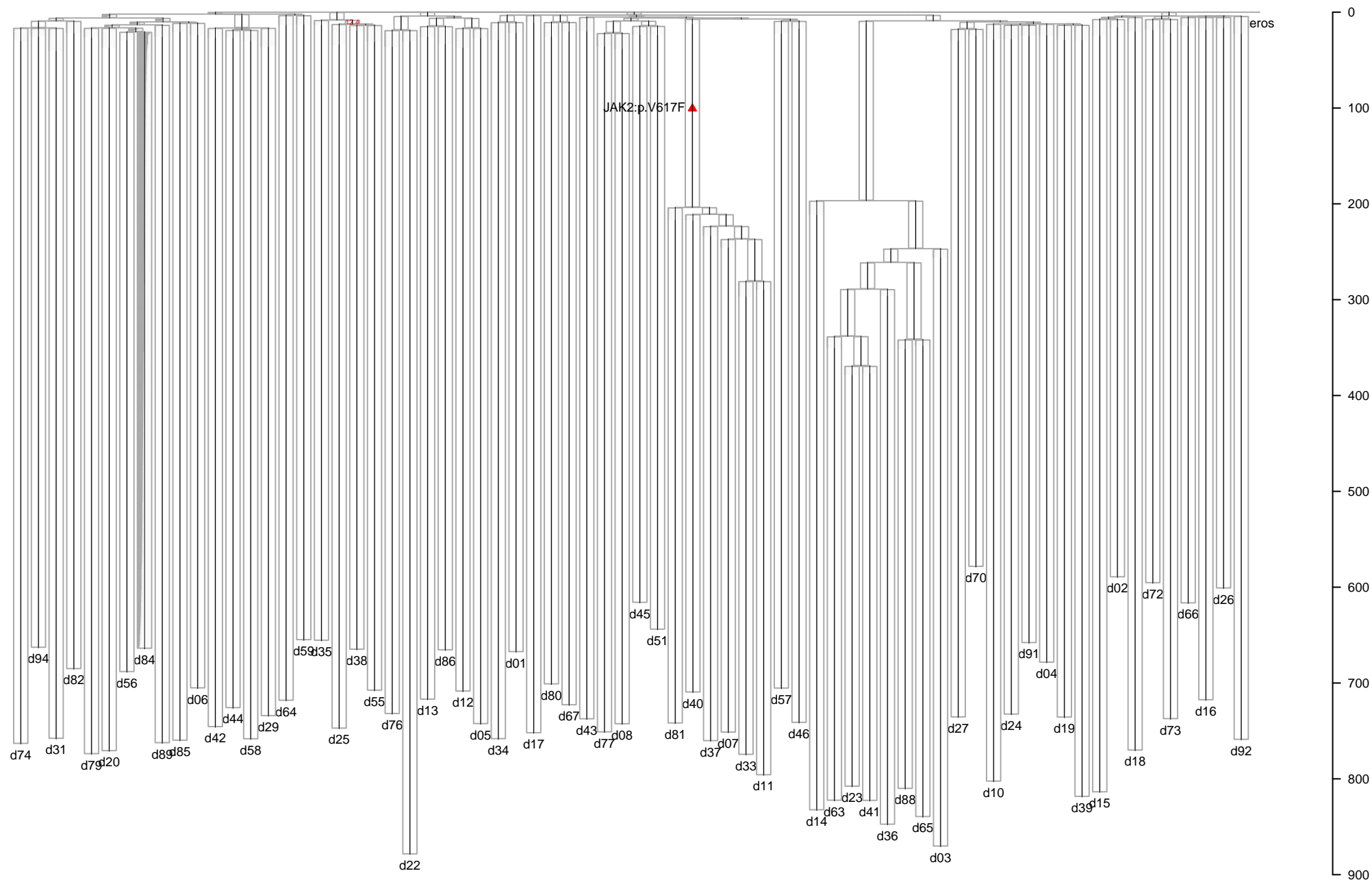
PD5163: Annotated with VAF from d20
Mean Depth=18.43



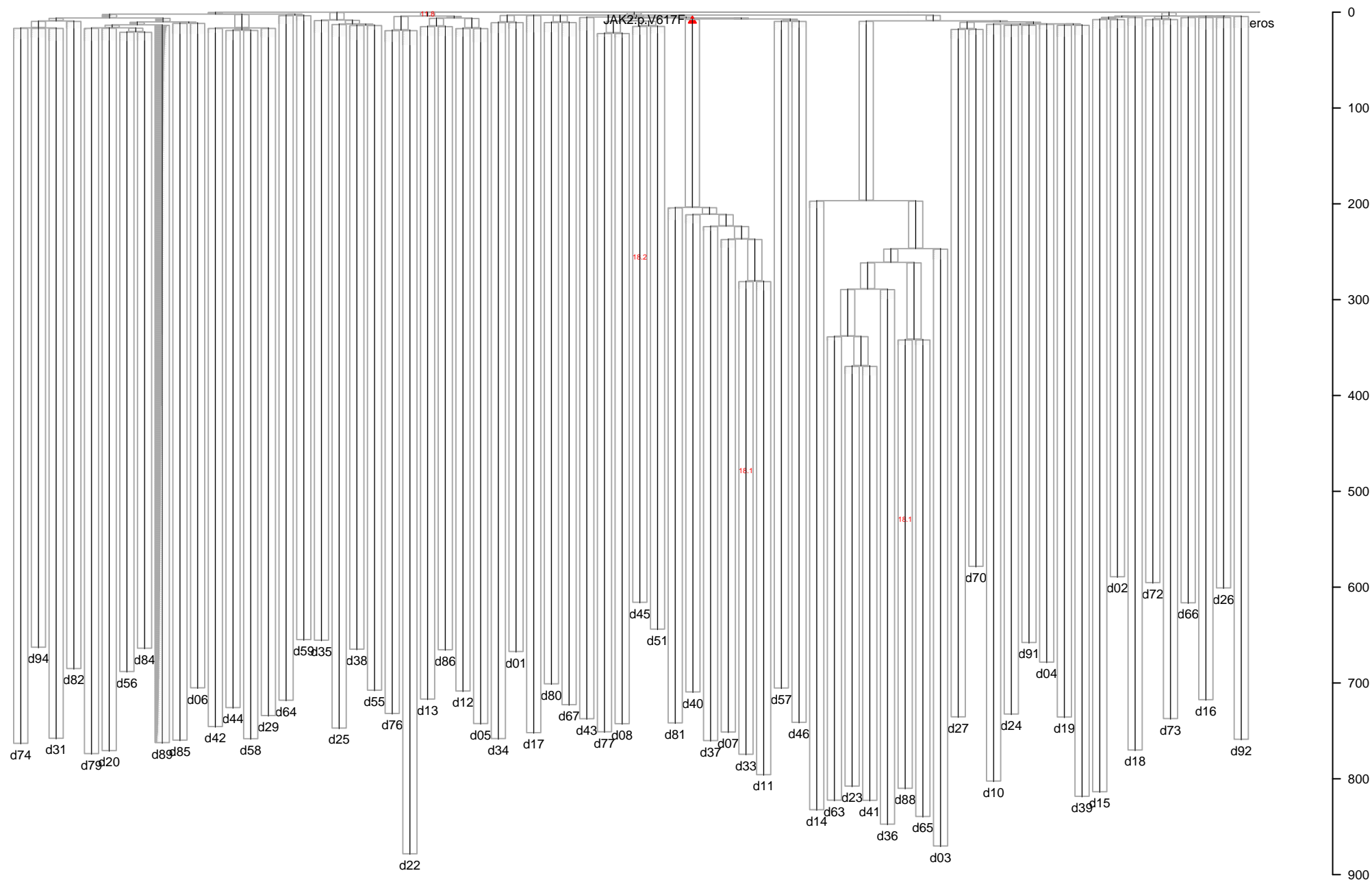
PD5163: Annotated with VAF from d56
Mean Depth=22.36



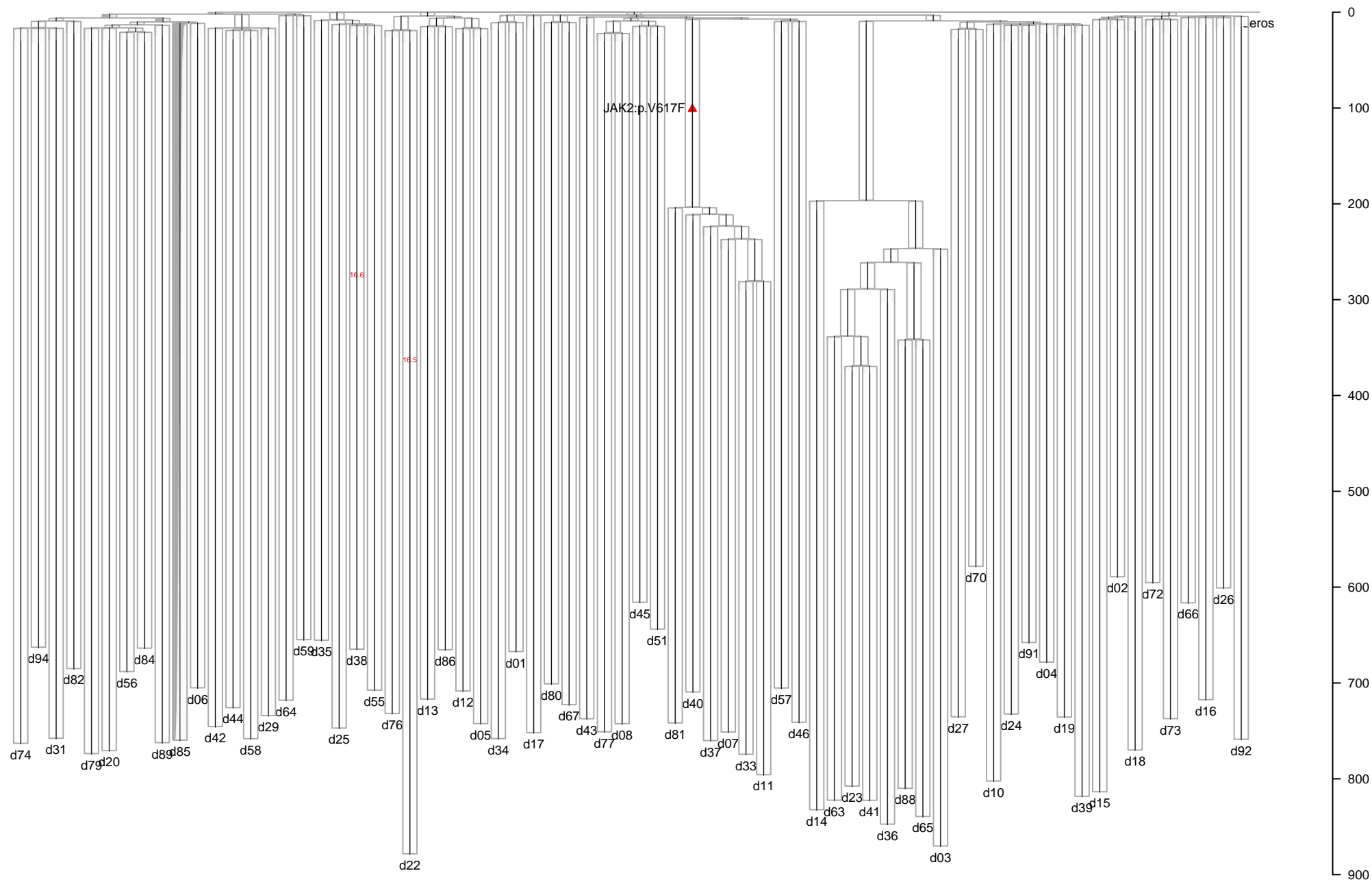
PD5163: Annotated with VAF from d84
Mean Depth=18.77



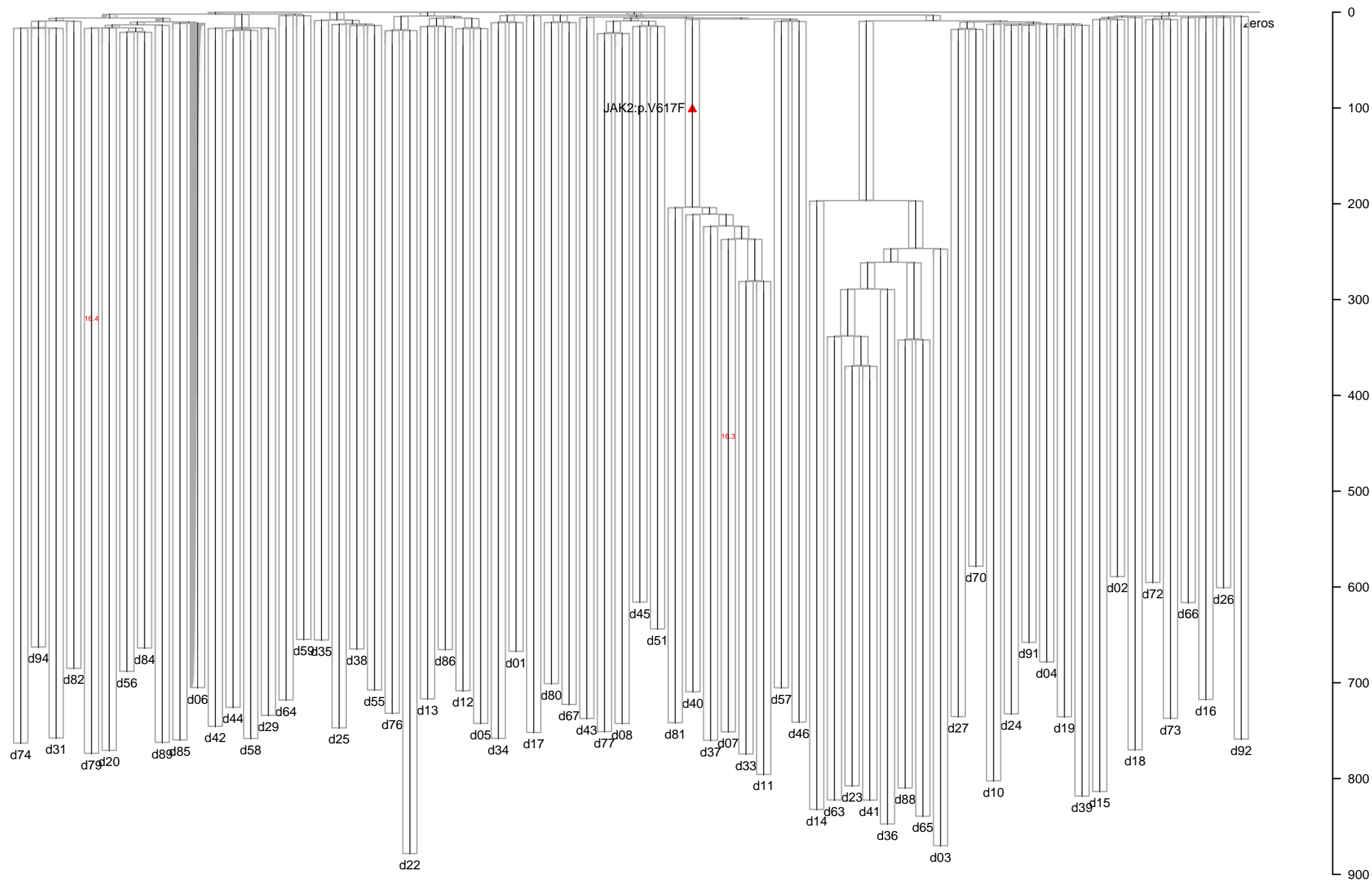
PD5163: Annotated with VAF from d89
Mean Depth=18.84



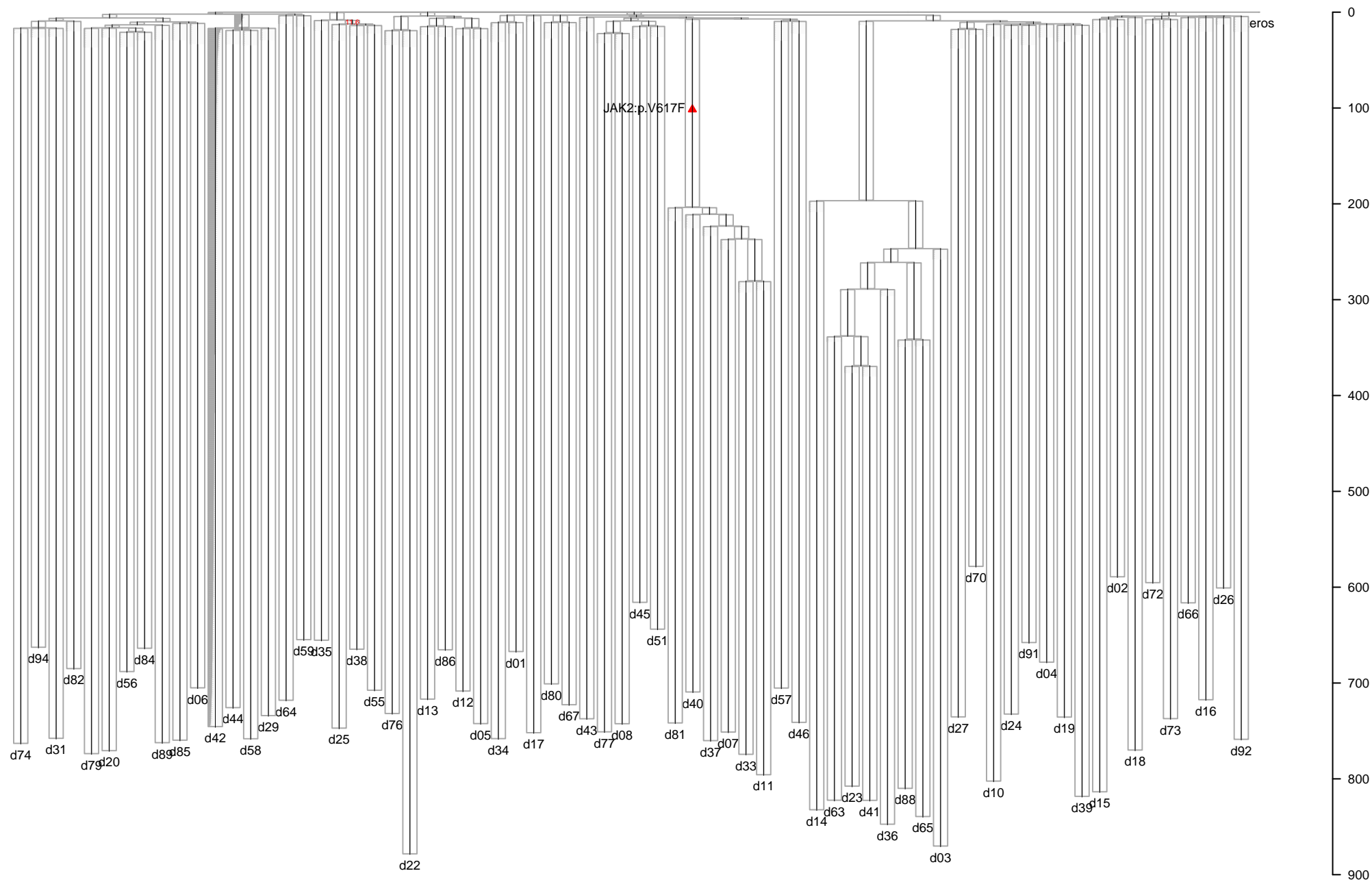
PD5163: Annotated with VAF from d85
Mean Depth=17.01



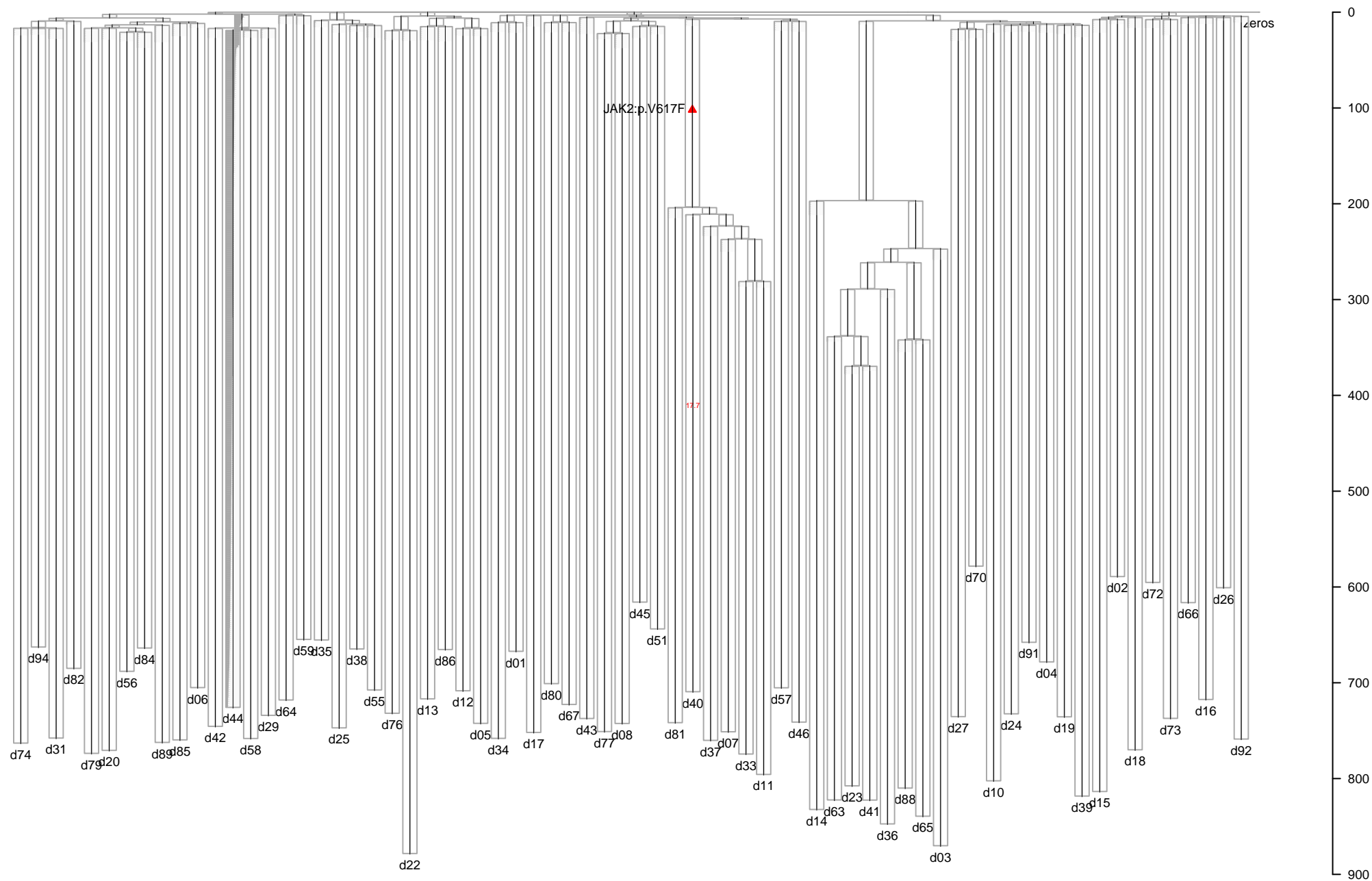
PD5163: Annotated with VAF from d06
Mean Depth=16.79



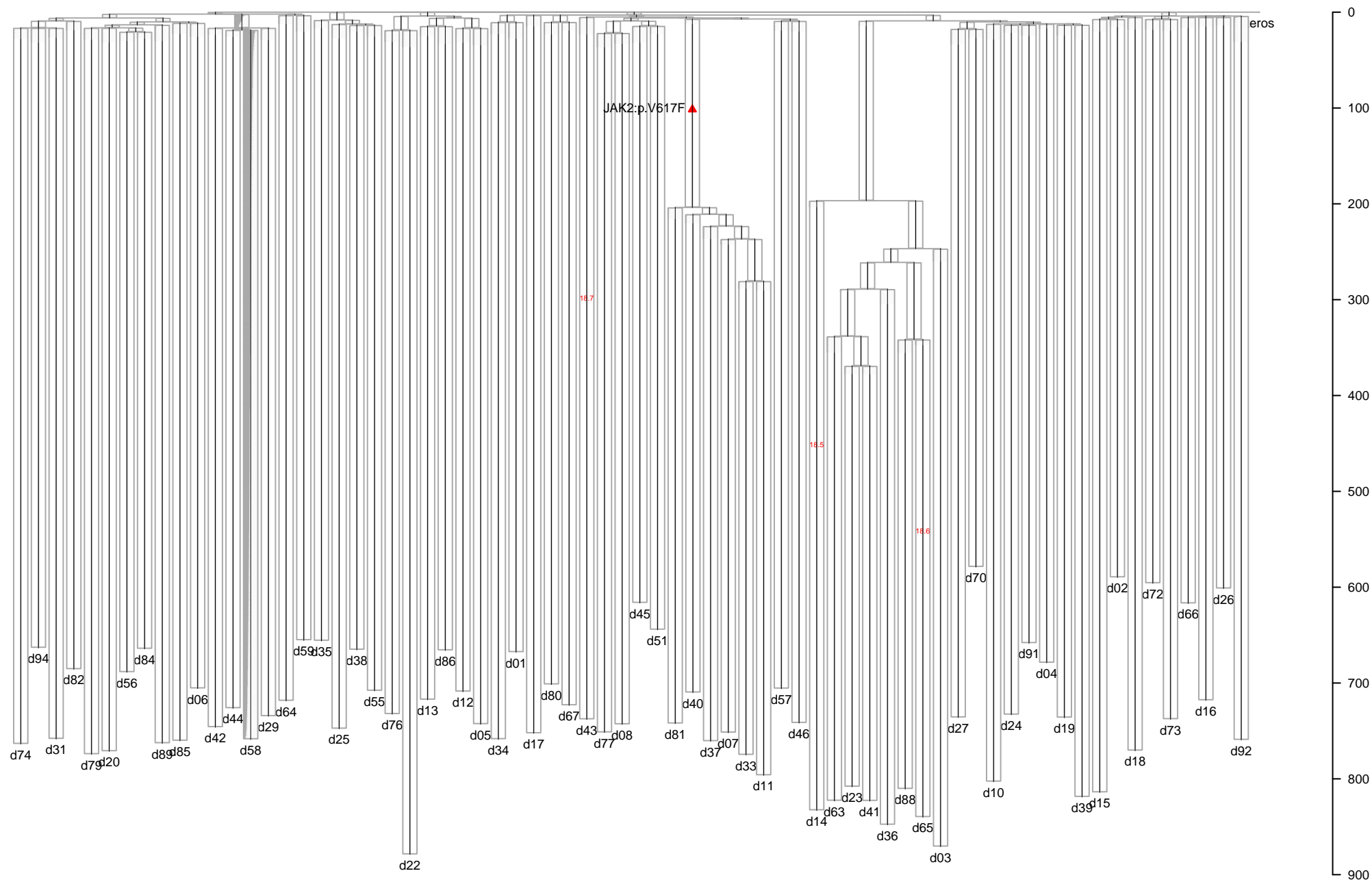
PD5163: Annotated with VAF from d42
Mean Depth=18.03



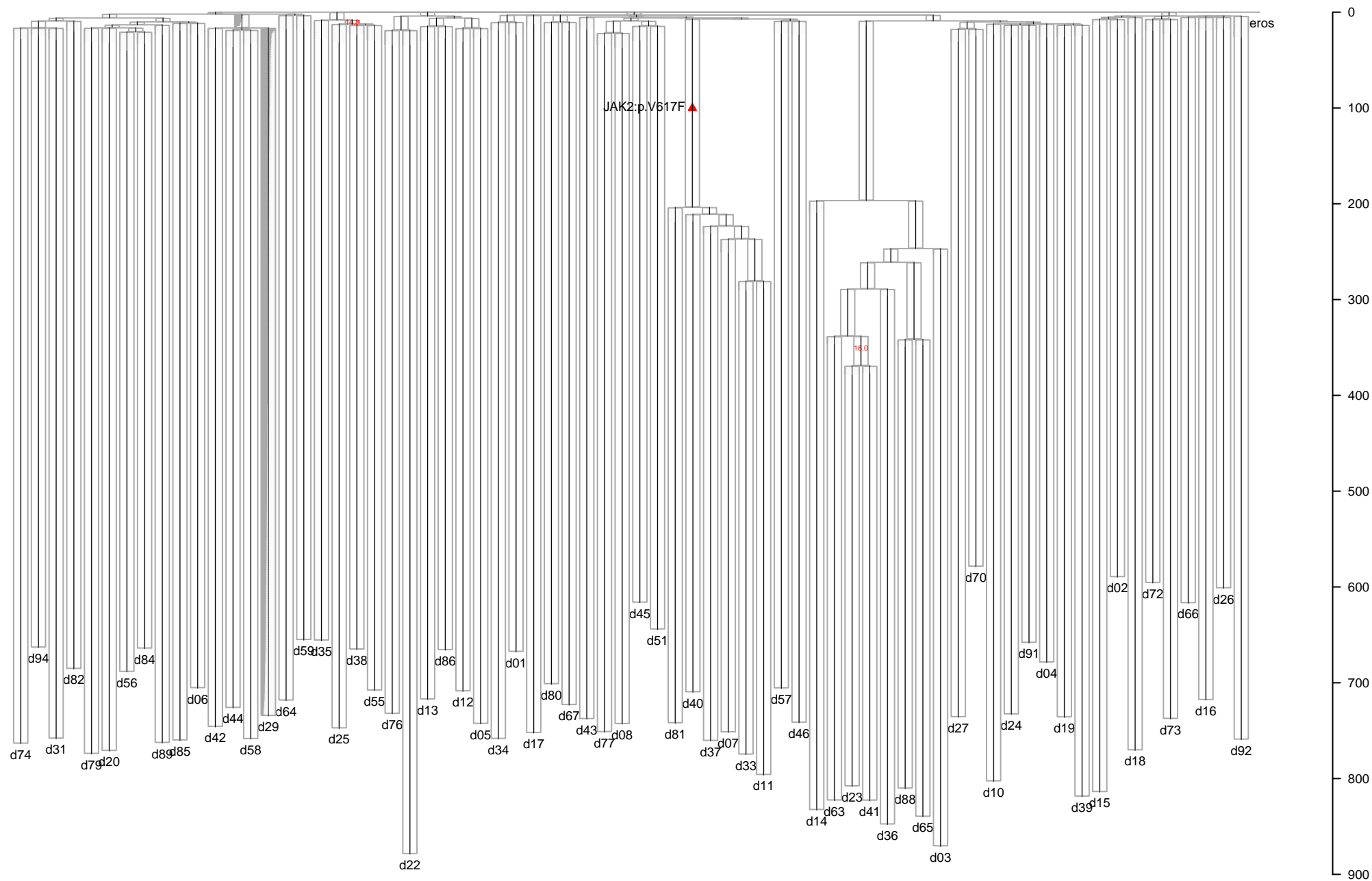
PD5163: Annotated with VAF from d44
Mean Depth=18.31



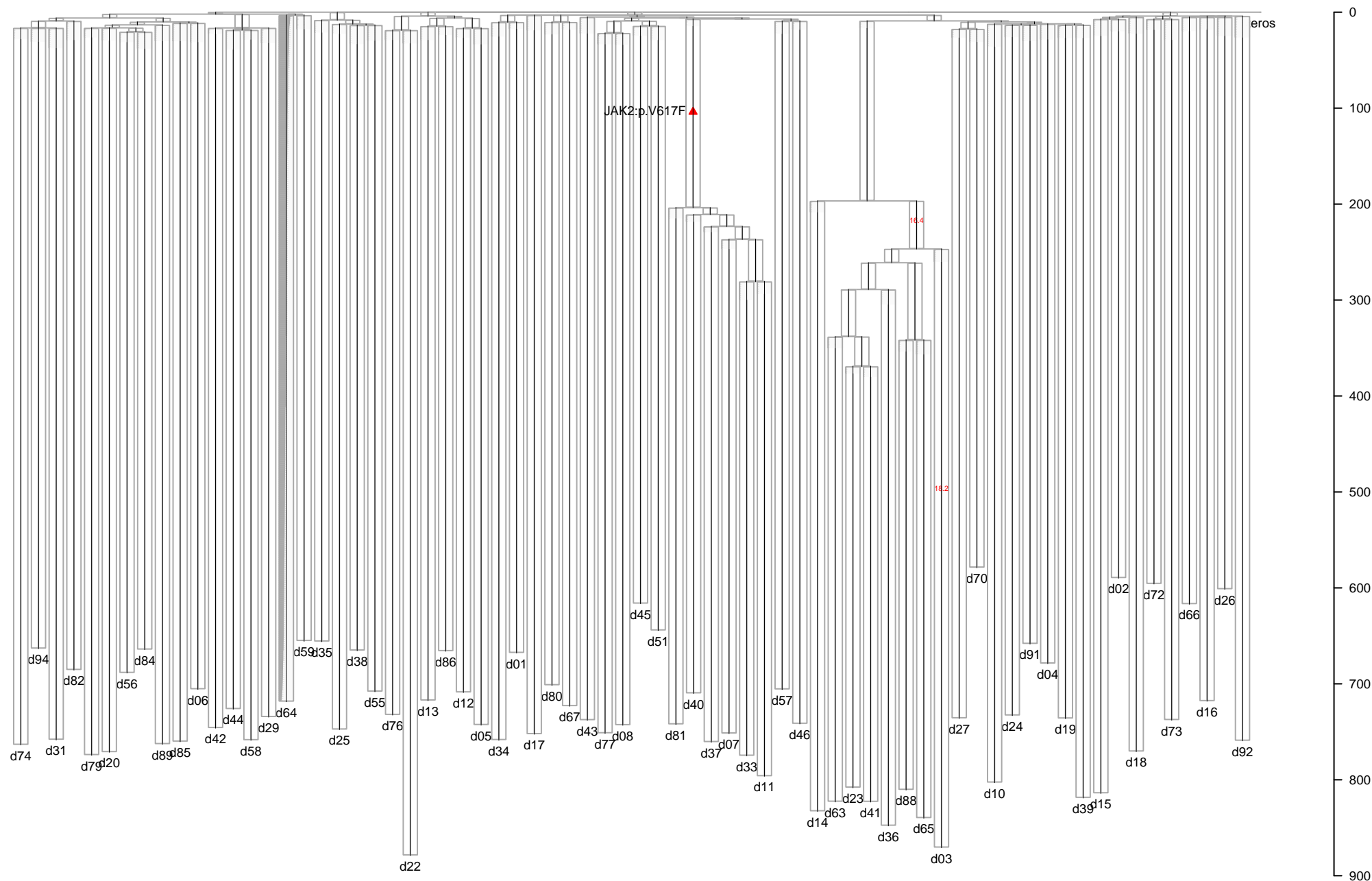
PD5163: Annotated with VAF from d58
Mean Depth=19.15



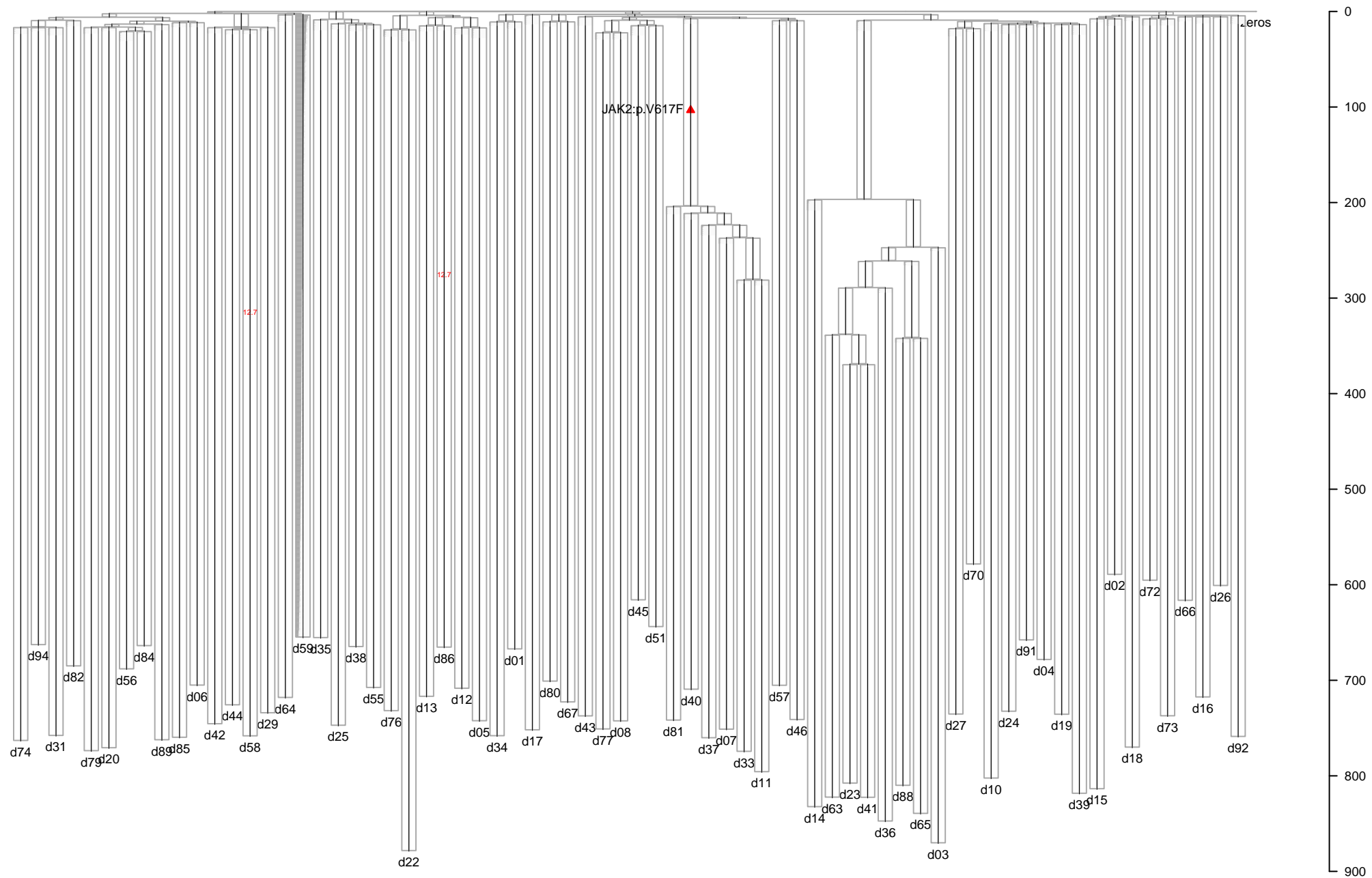
PD5163: Annotated with VAF from d29
Mean Depth=20.68



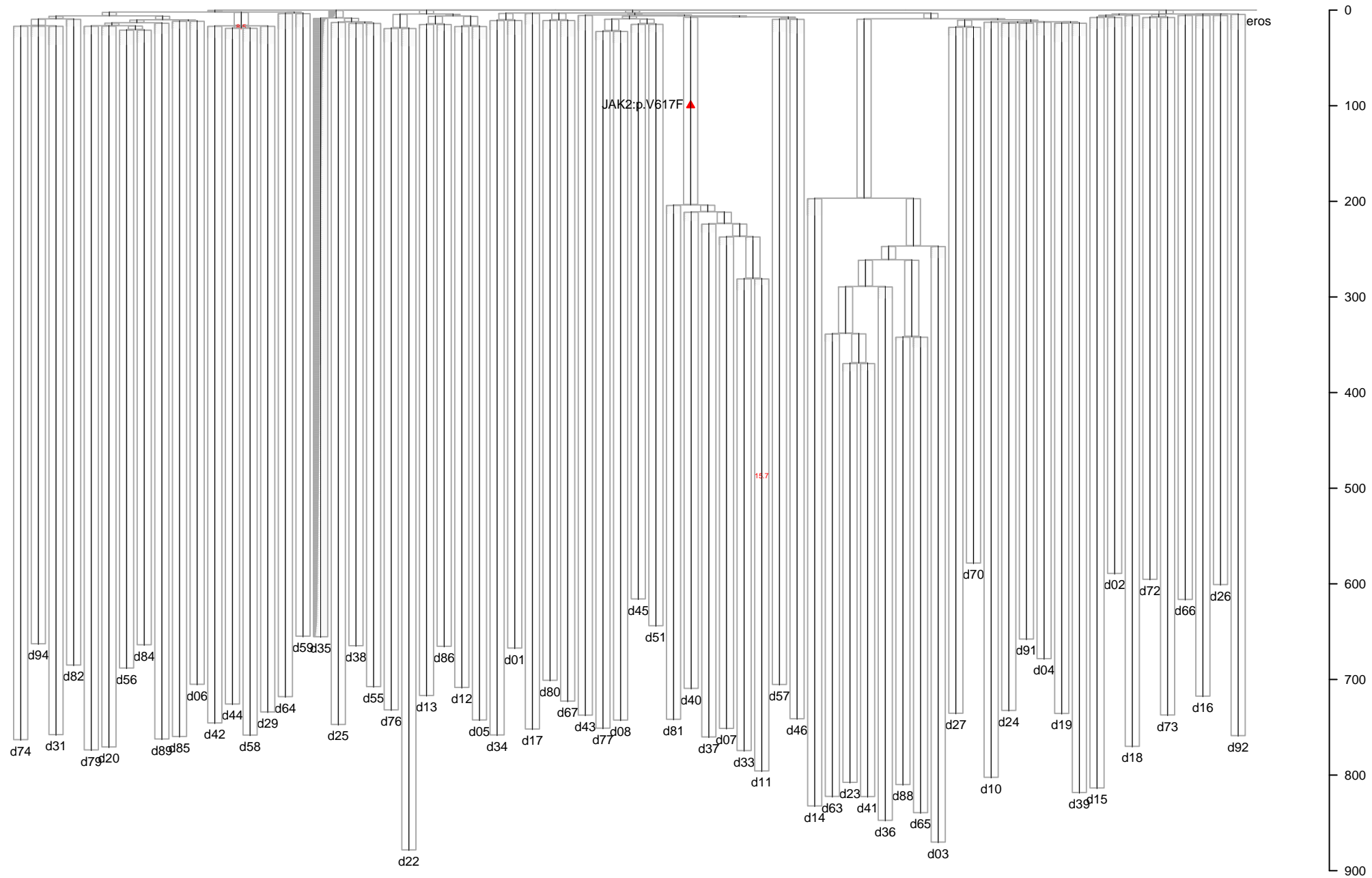
Mean Depth=18.78



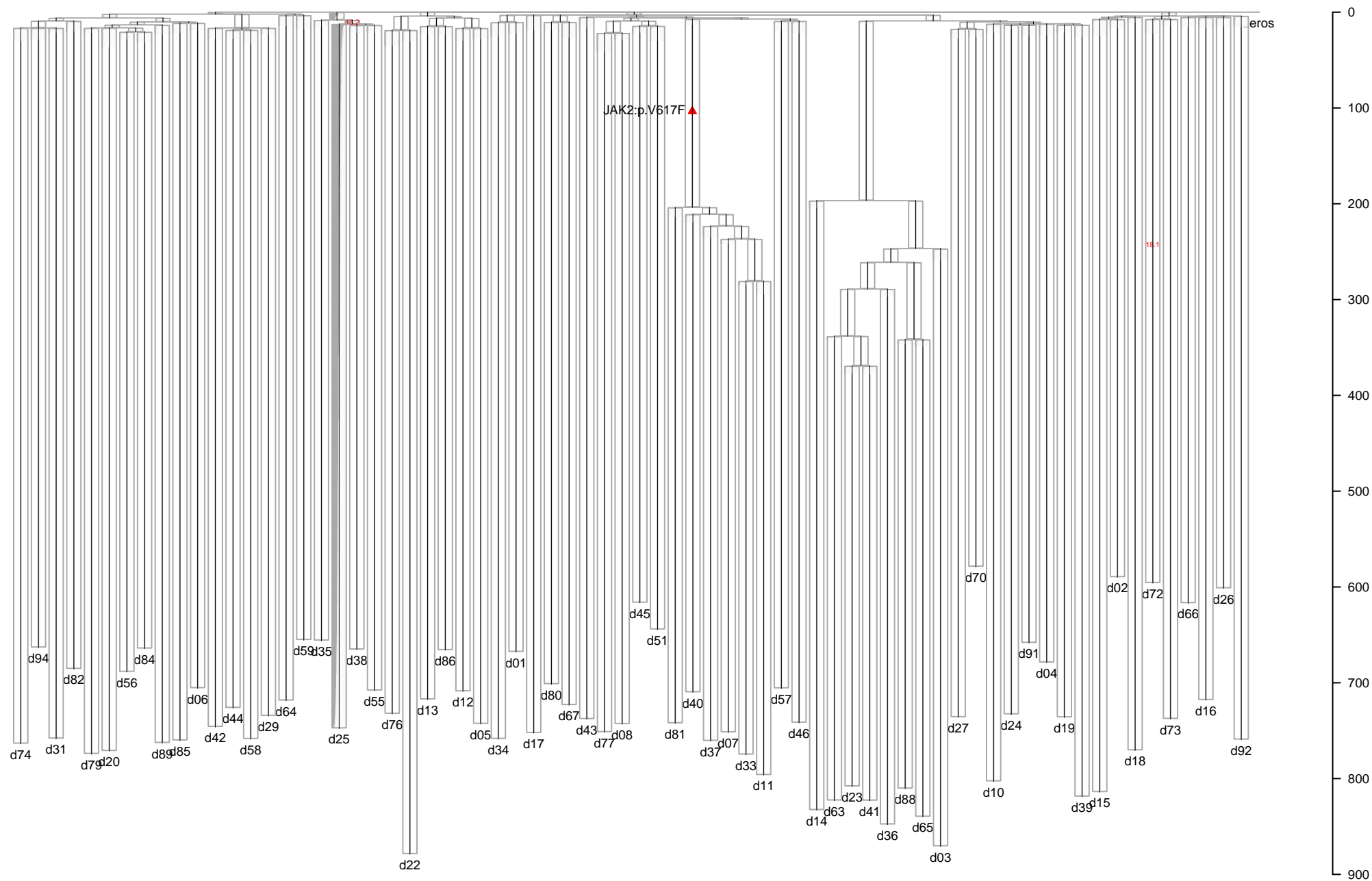
PD5163: Annotated with VAF from d59
Mean Depth=13.08



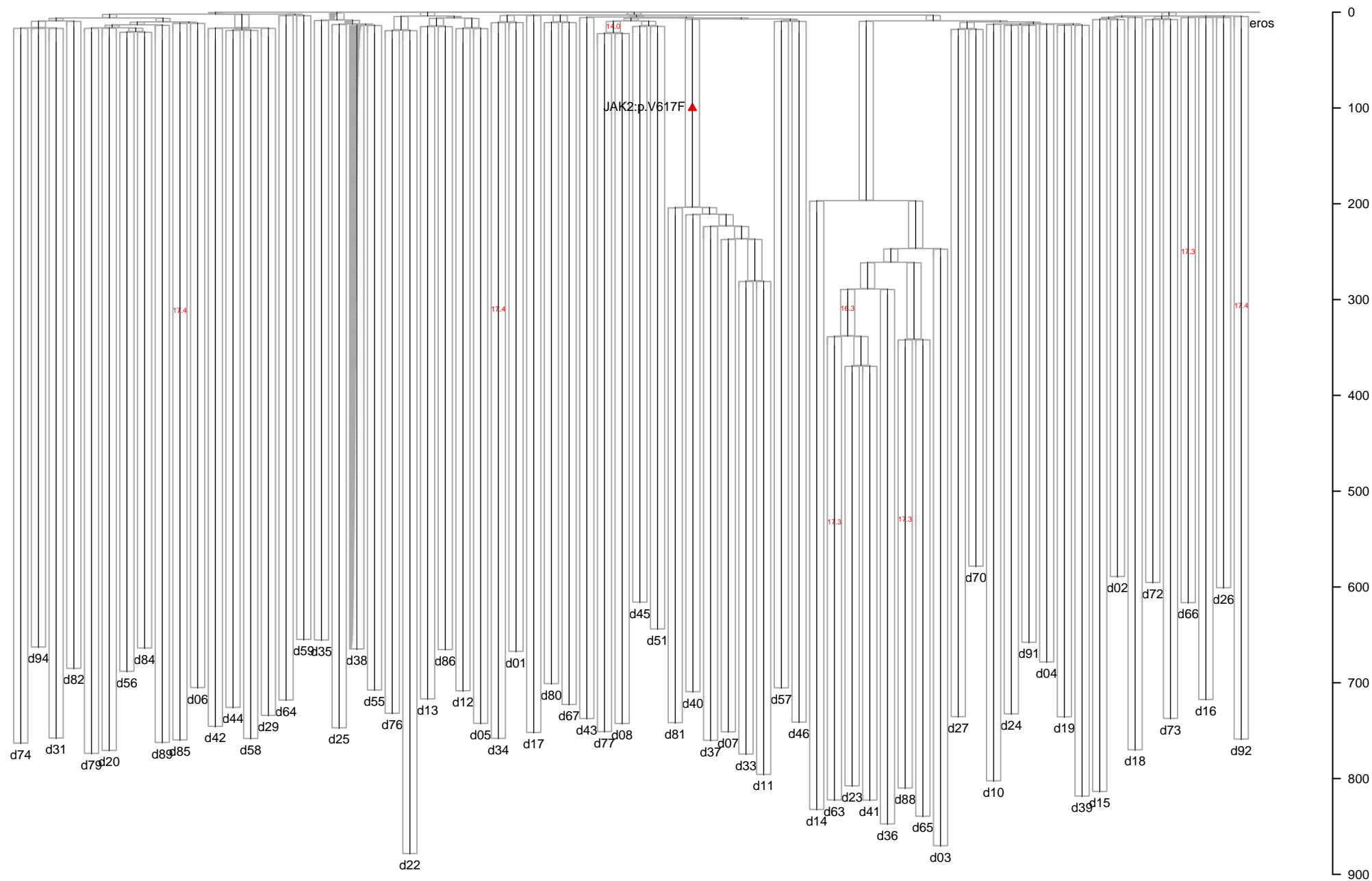
PD5163: Annotated with VAF from d3
Mean Depth=16.24



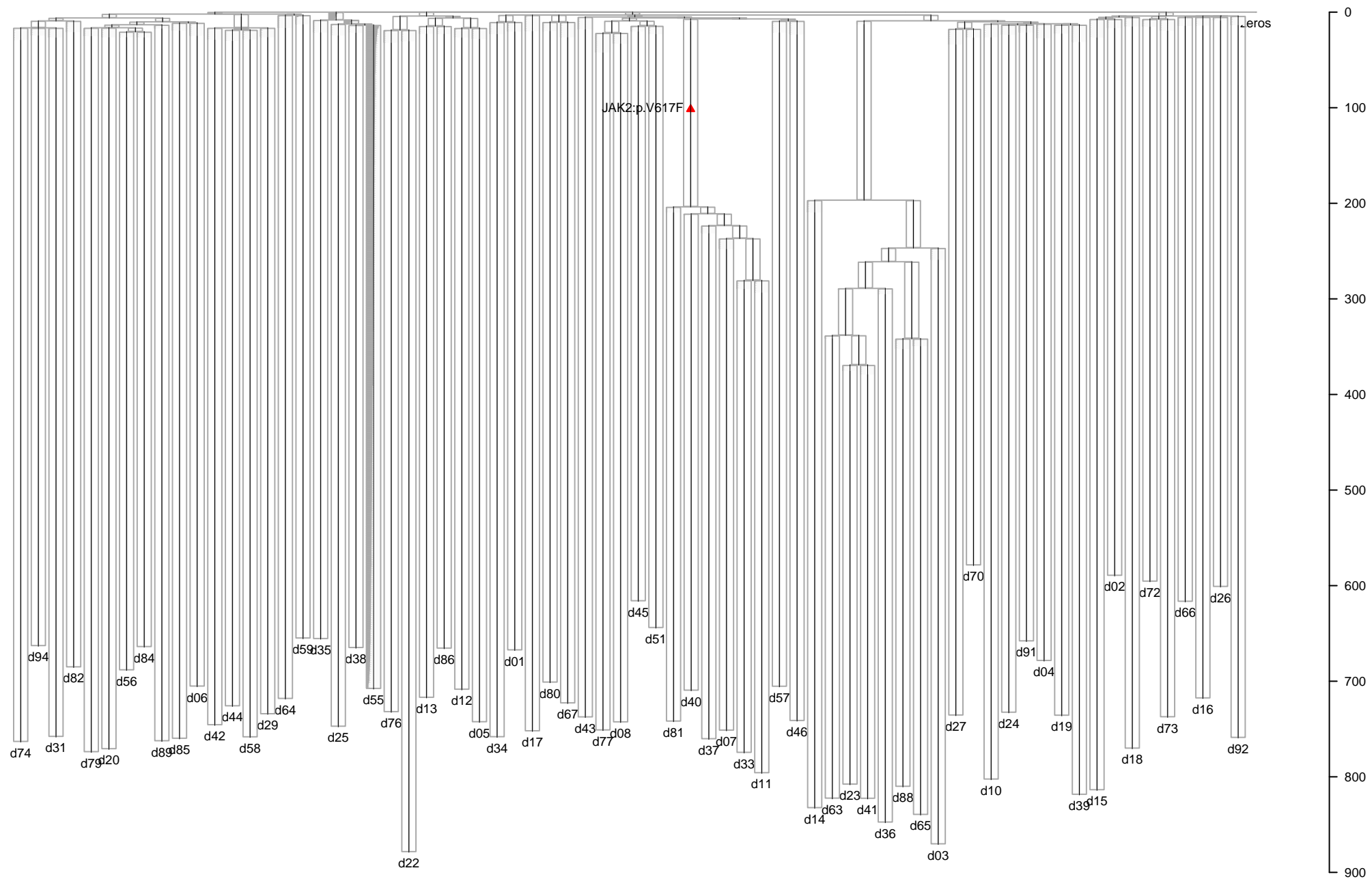
PD5163: Annotated with VAF from d25
Mean Depth=18.68



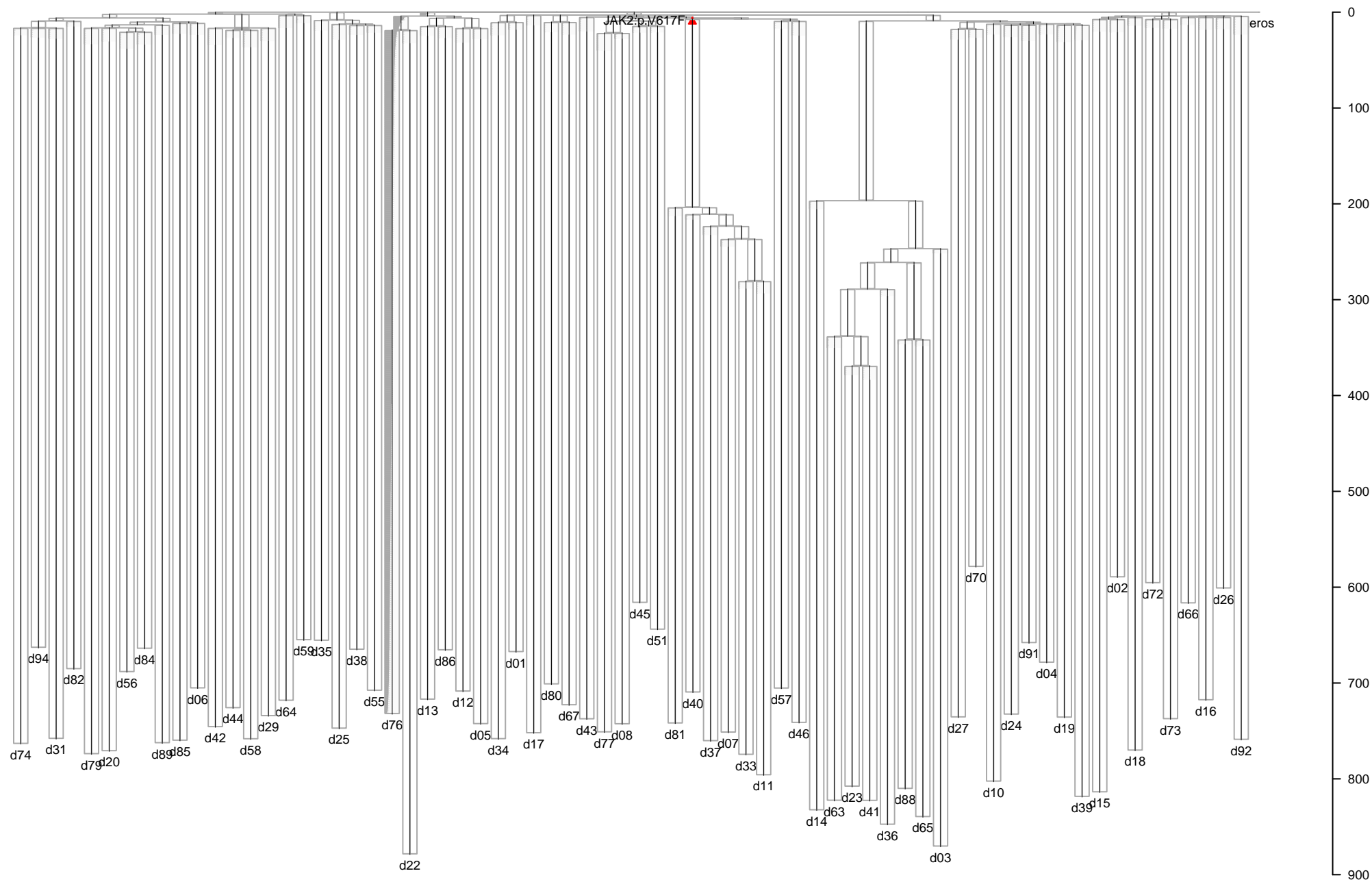
PD5163: Annotated with VAF from d38
Mean Depth=17.88



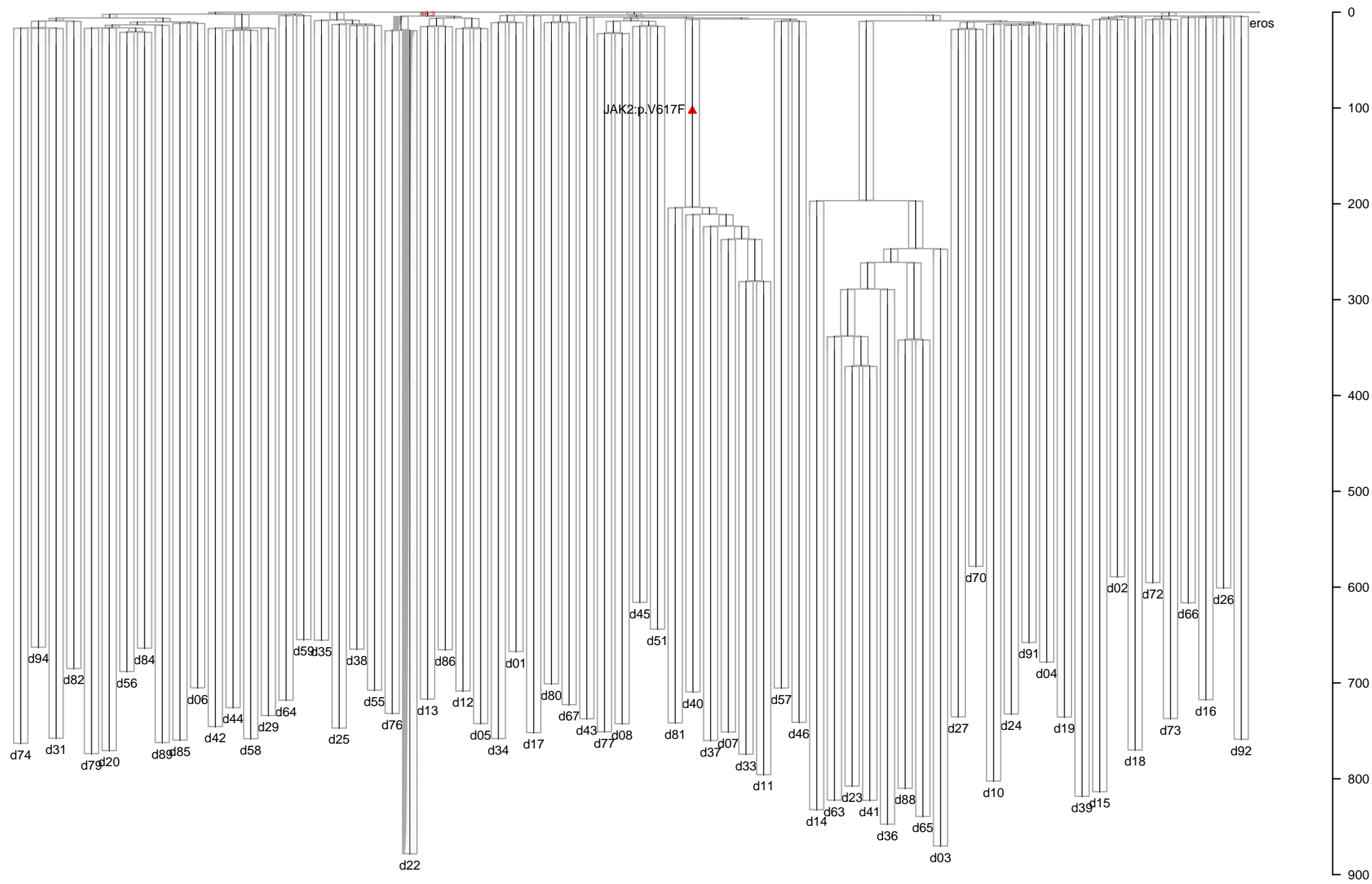
Mean Depth=18.82



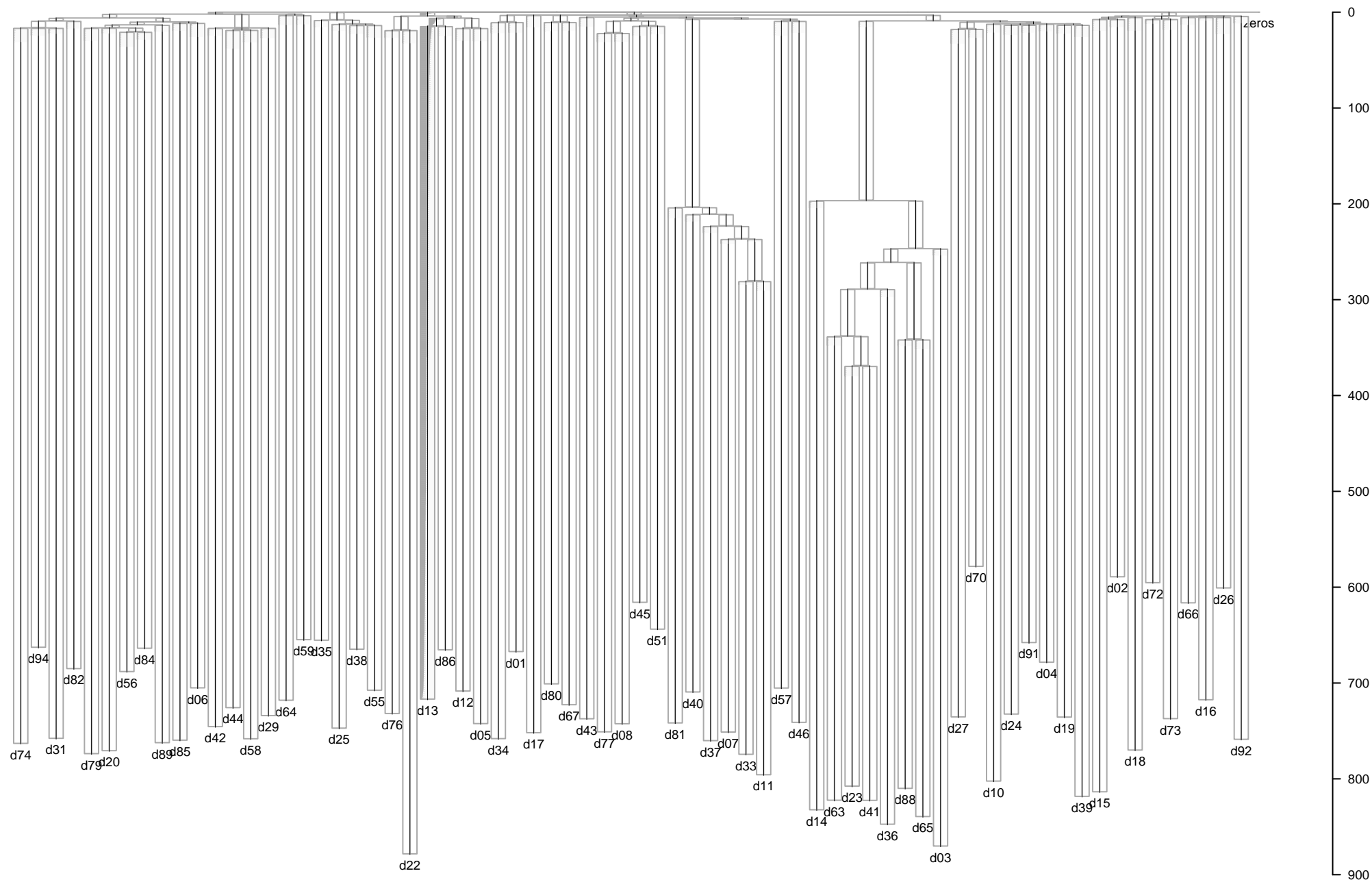
PD5163: Annotated with VAF from d76
Mean Depth=18.63



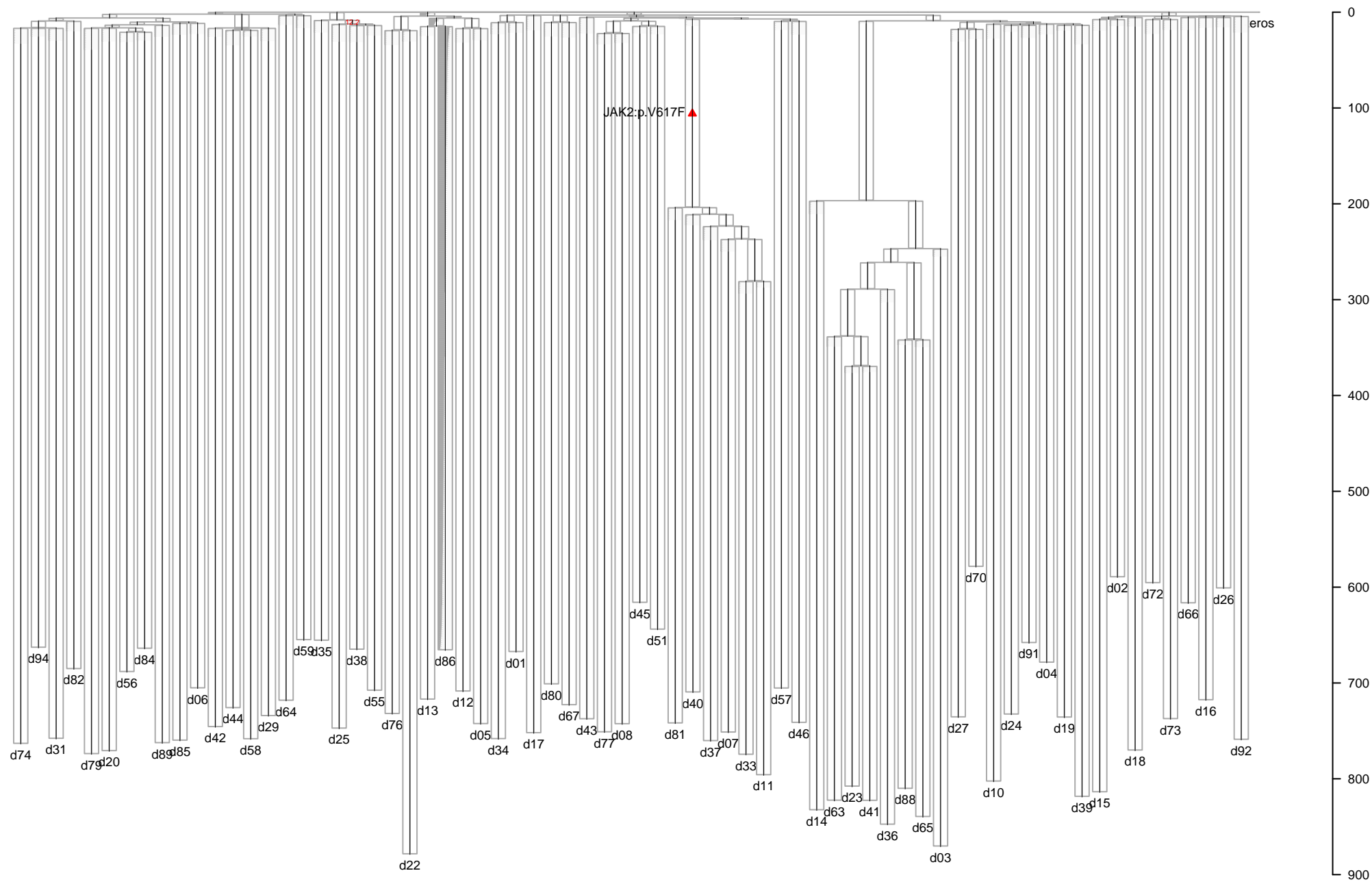
PD5163: Annotated with VAF from d22
Mean Depth=21.86



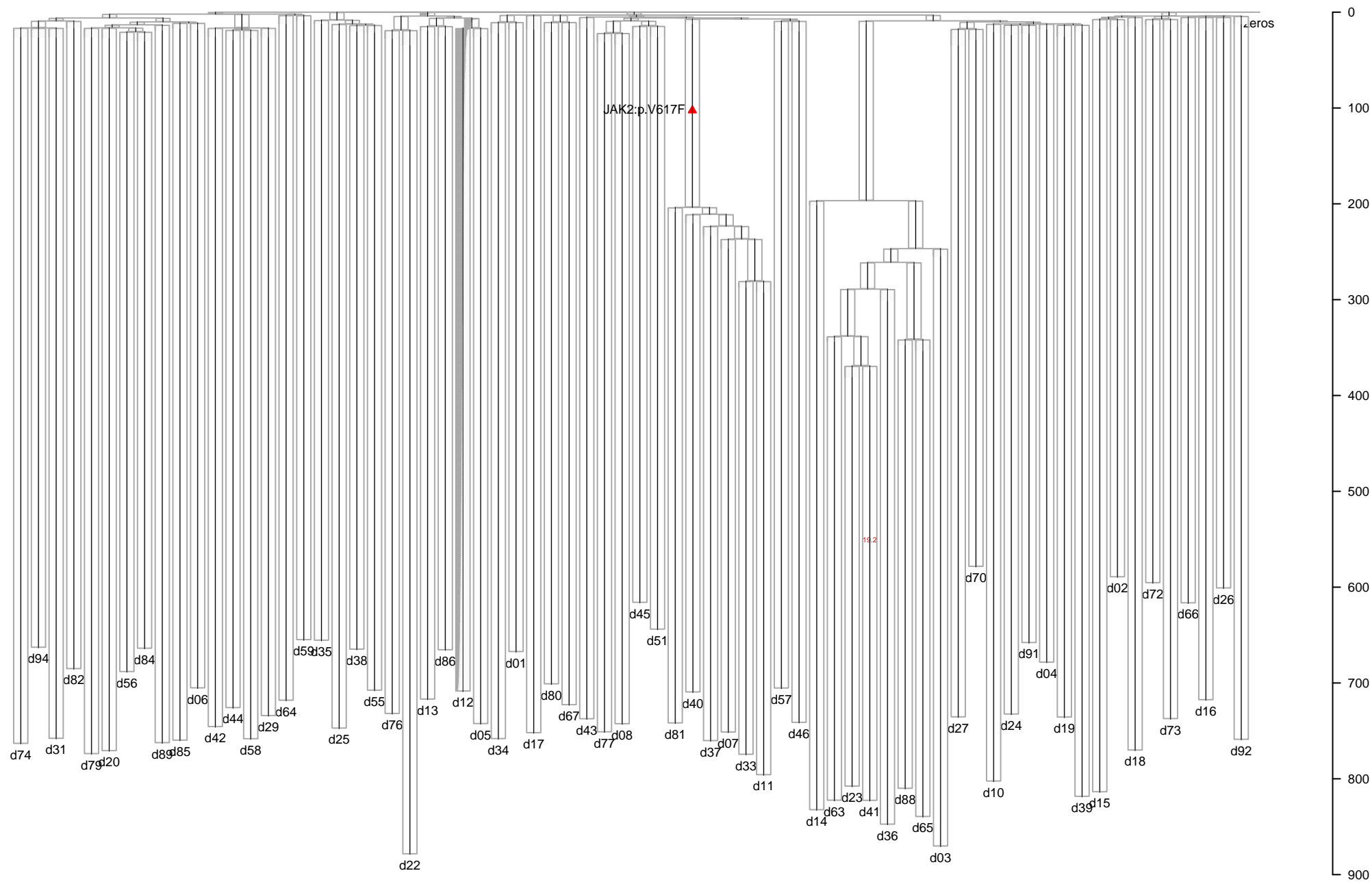
PD5163: Annotated with VAF from d13
Mean Depth=17.52



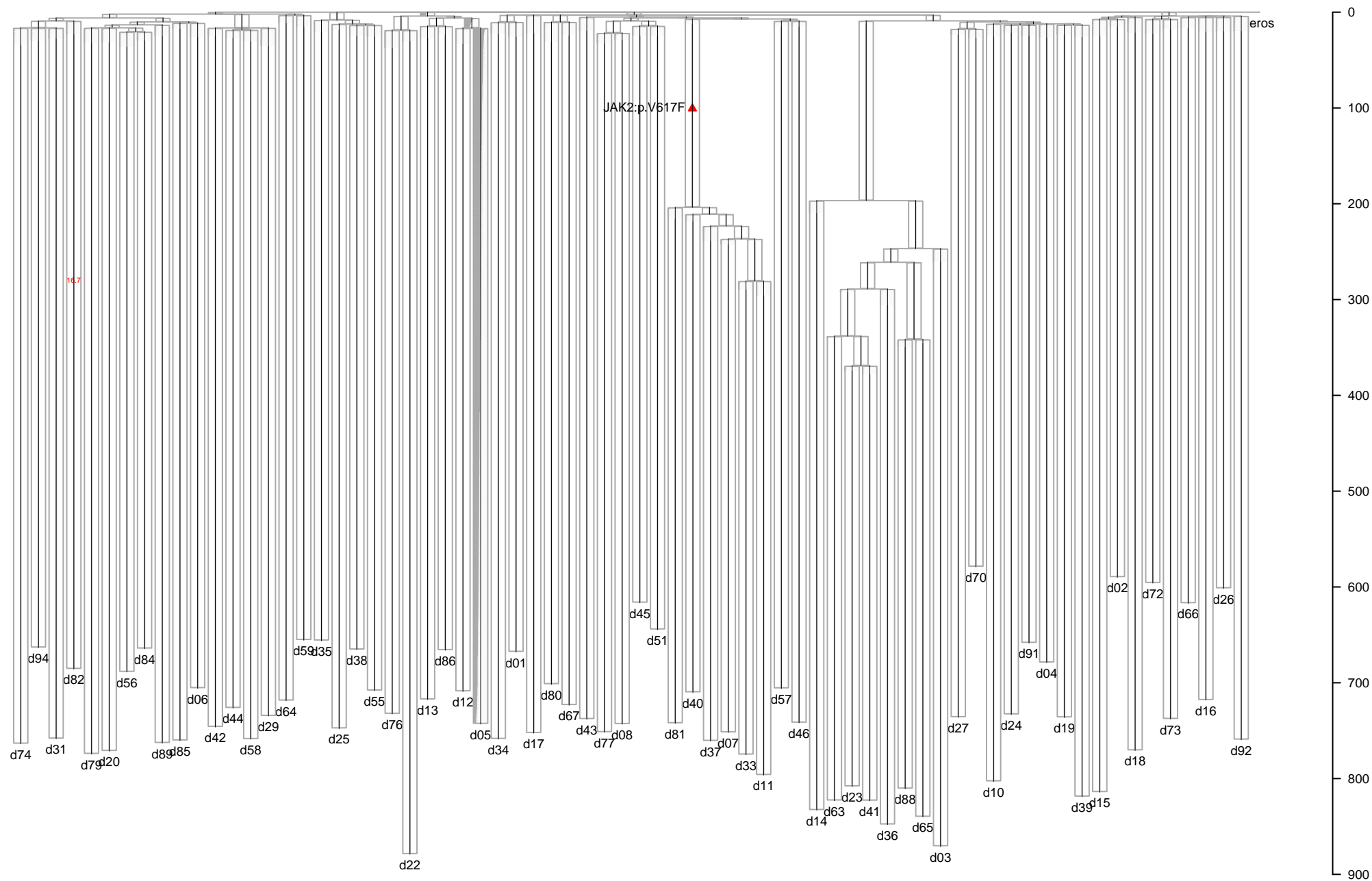
PD5163: Annotated with VAF from d86
Mean Depth=17.85



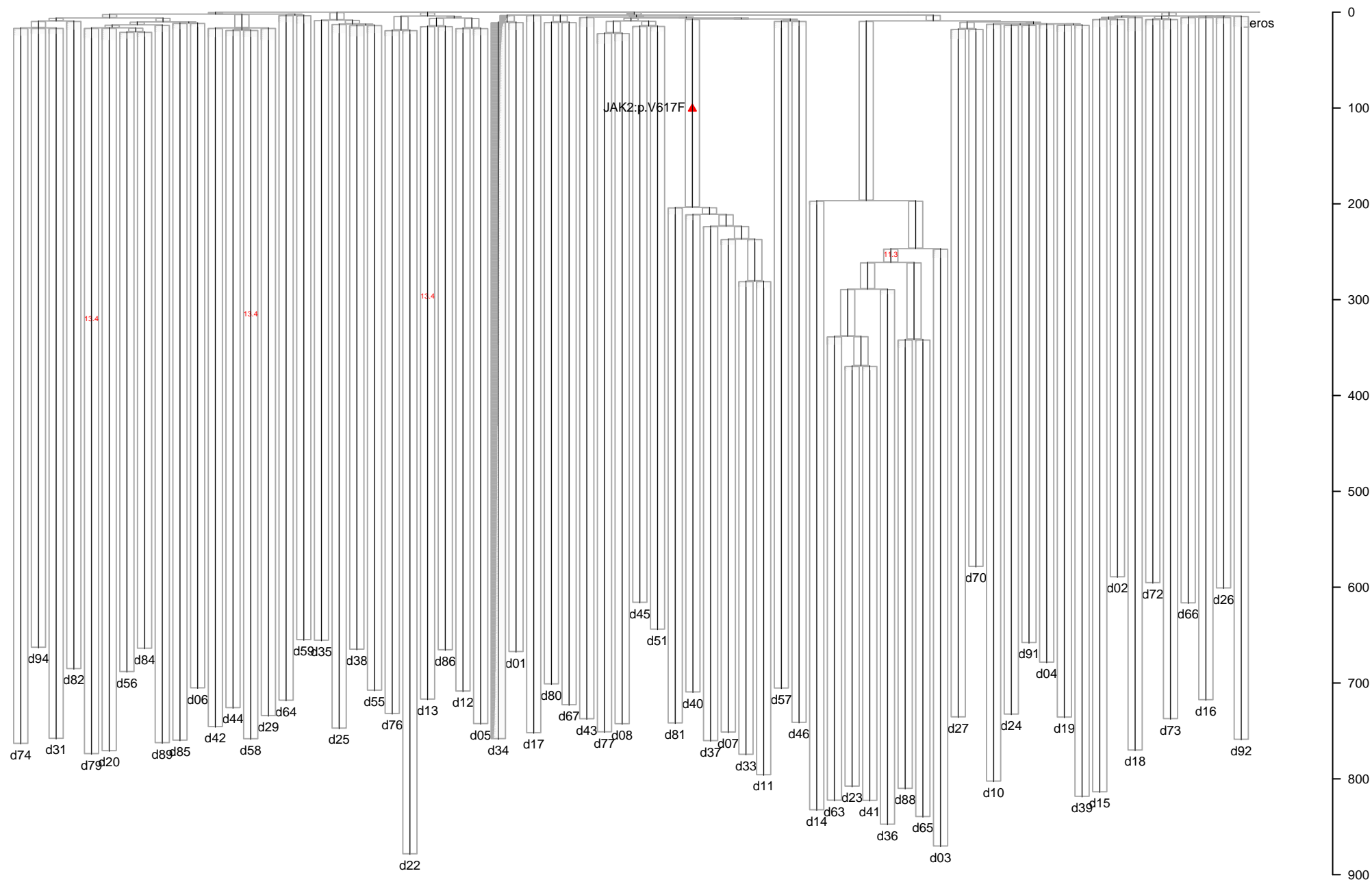
PD5163: Annotated with VAF from d12
Mean Depth=19.82



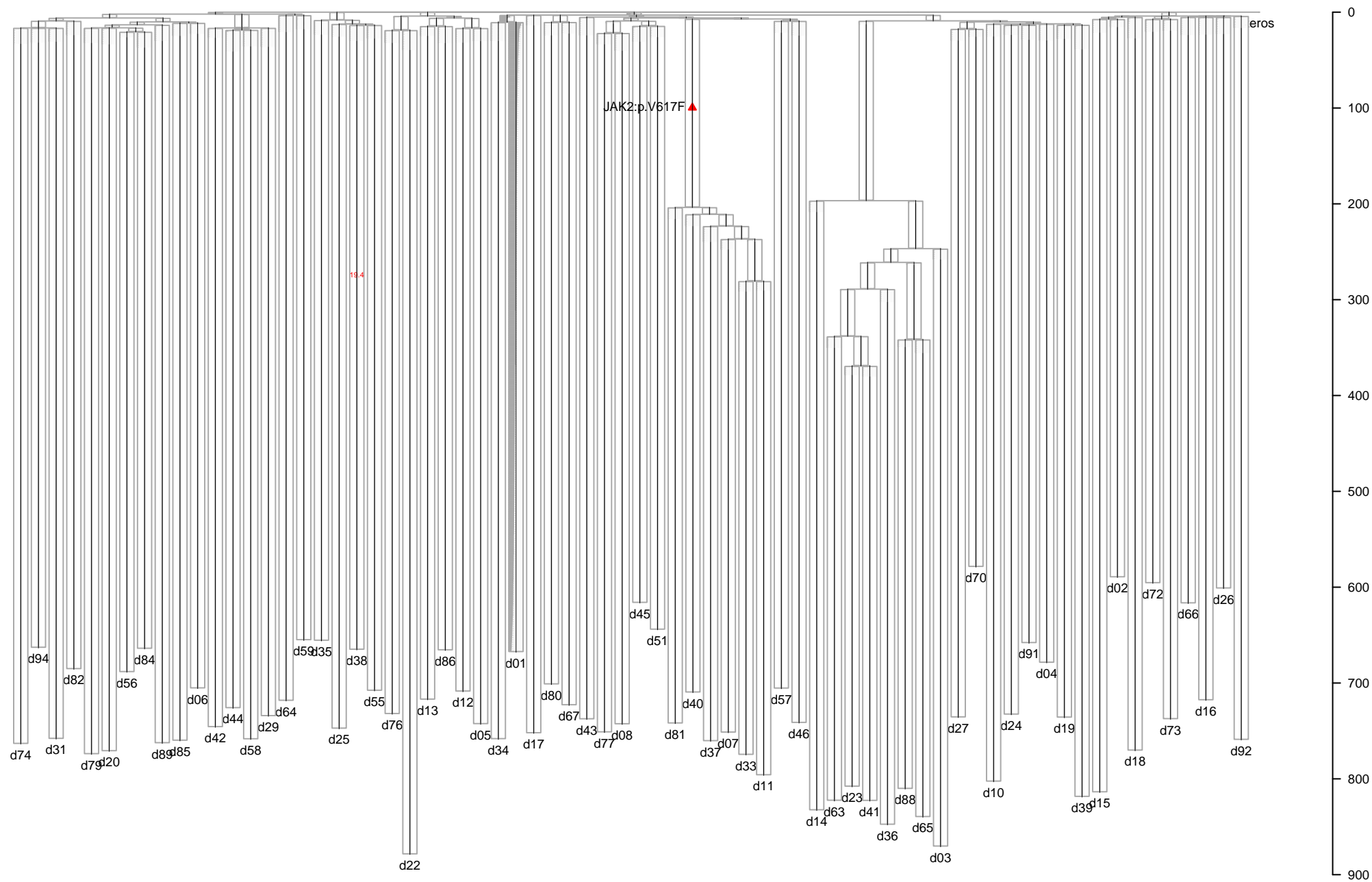
PD5163: Annotated with VAF from d05
Mean Depth=17.25



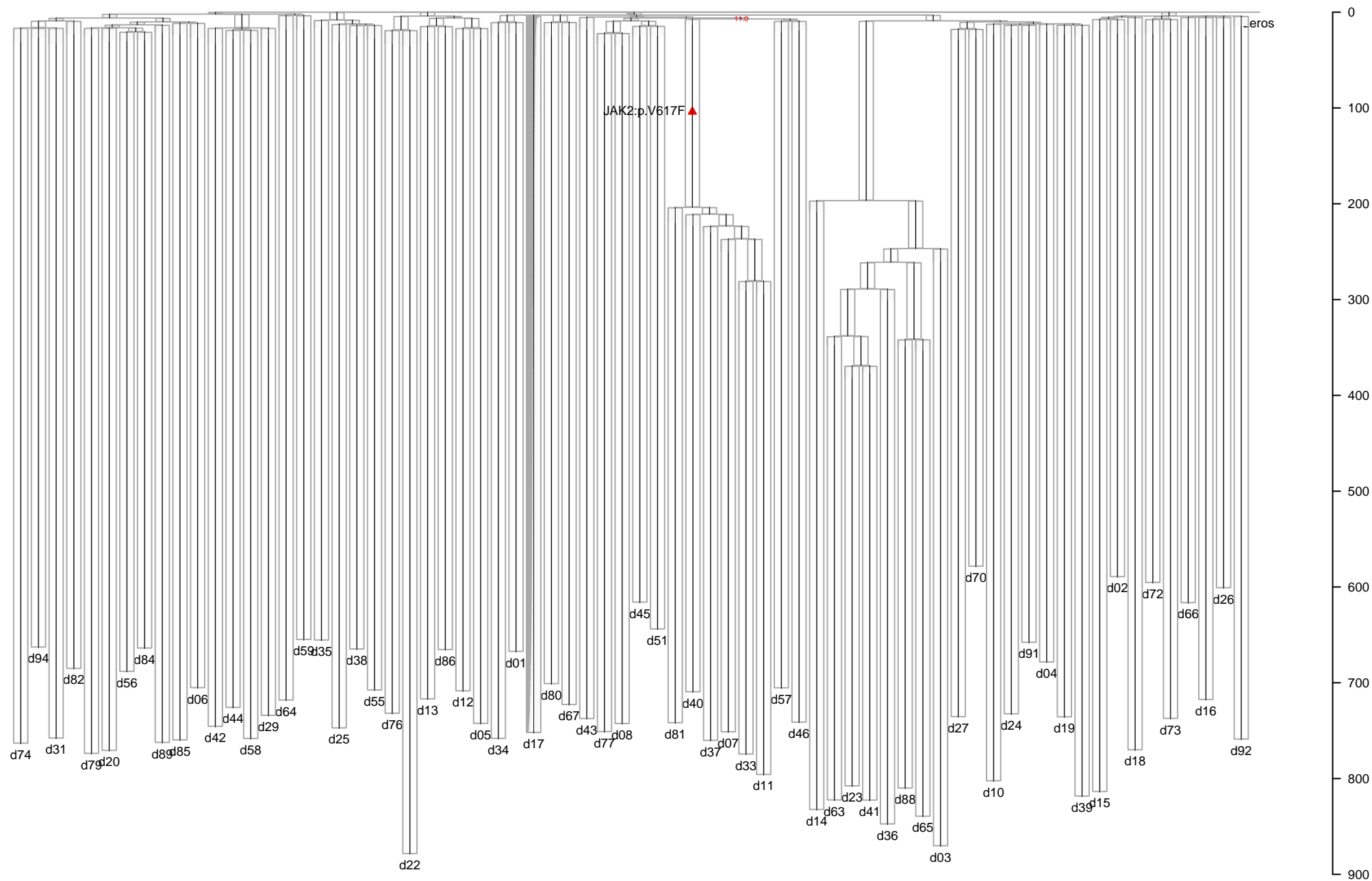
PD5163: Annotated with VAF from d34
Mean Depth=13.81



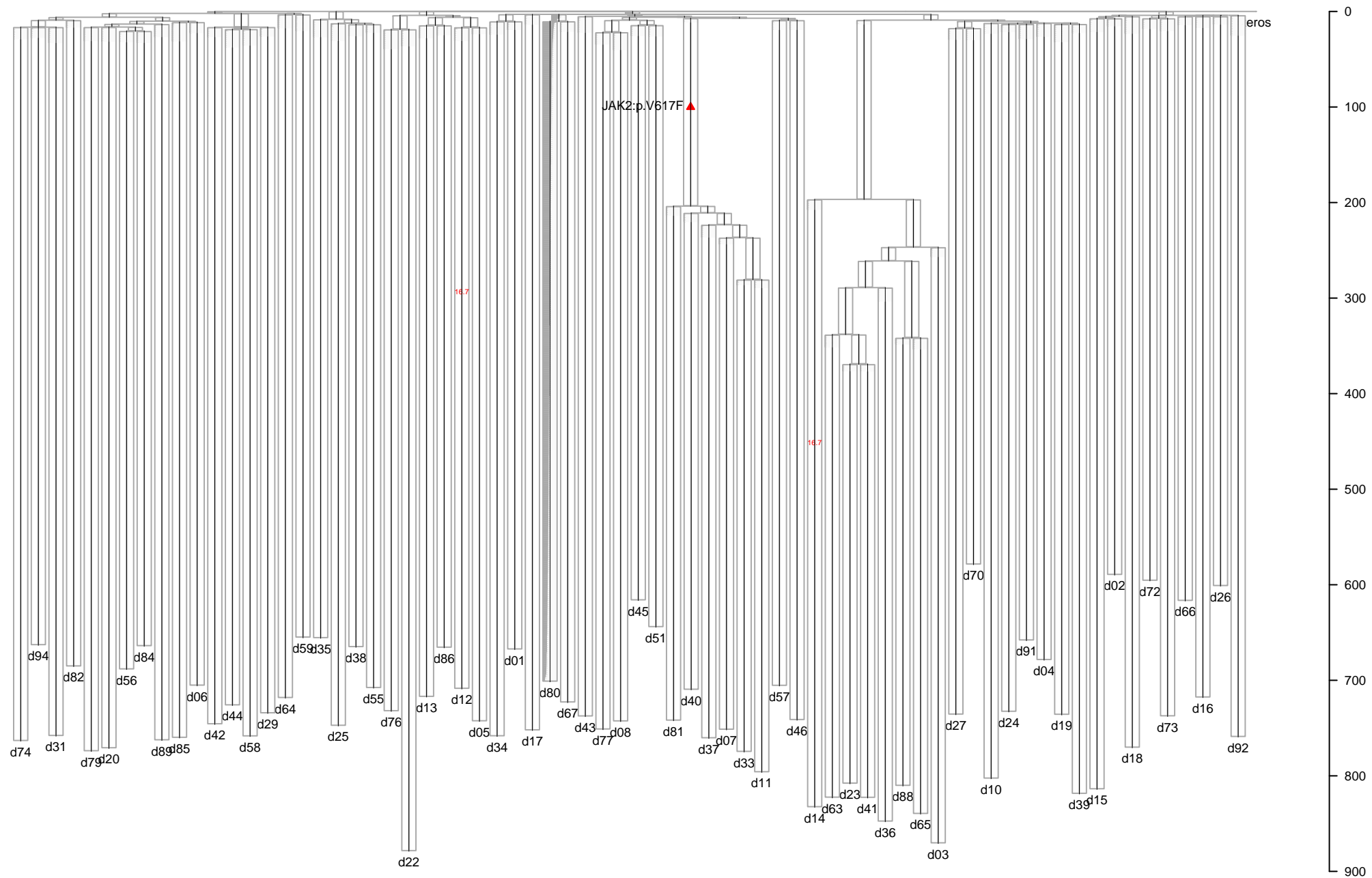
PD5163: Annotated with VAF from d01
Mean Depth=19.94



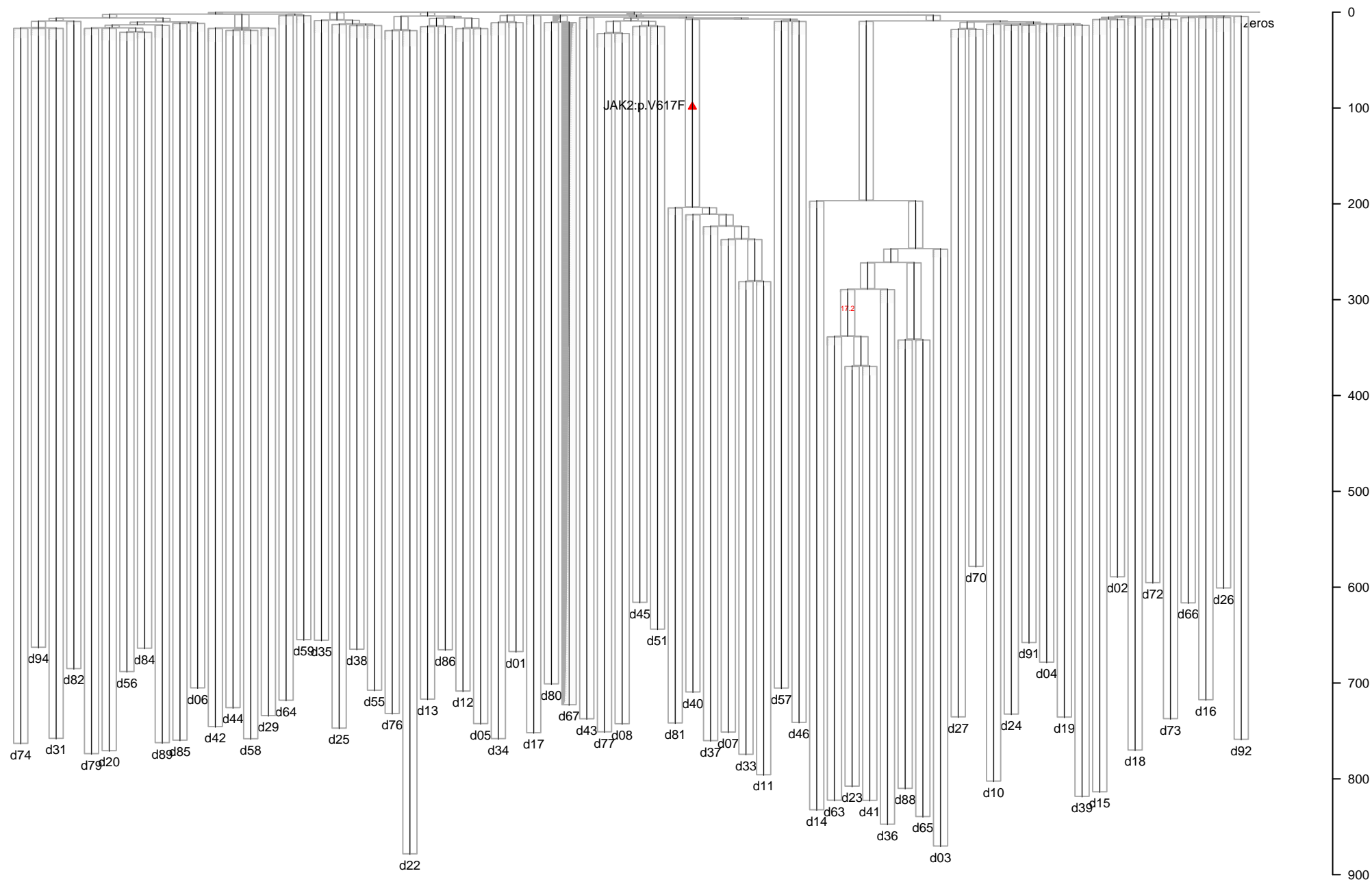
PD5163: Annotated with VAF from d17
Mean Depth=24.87



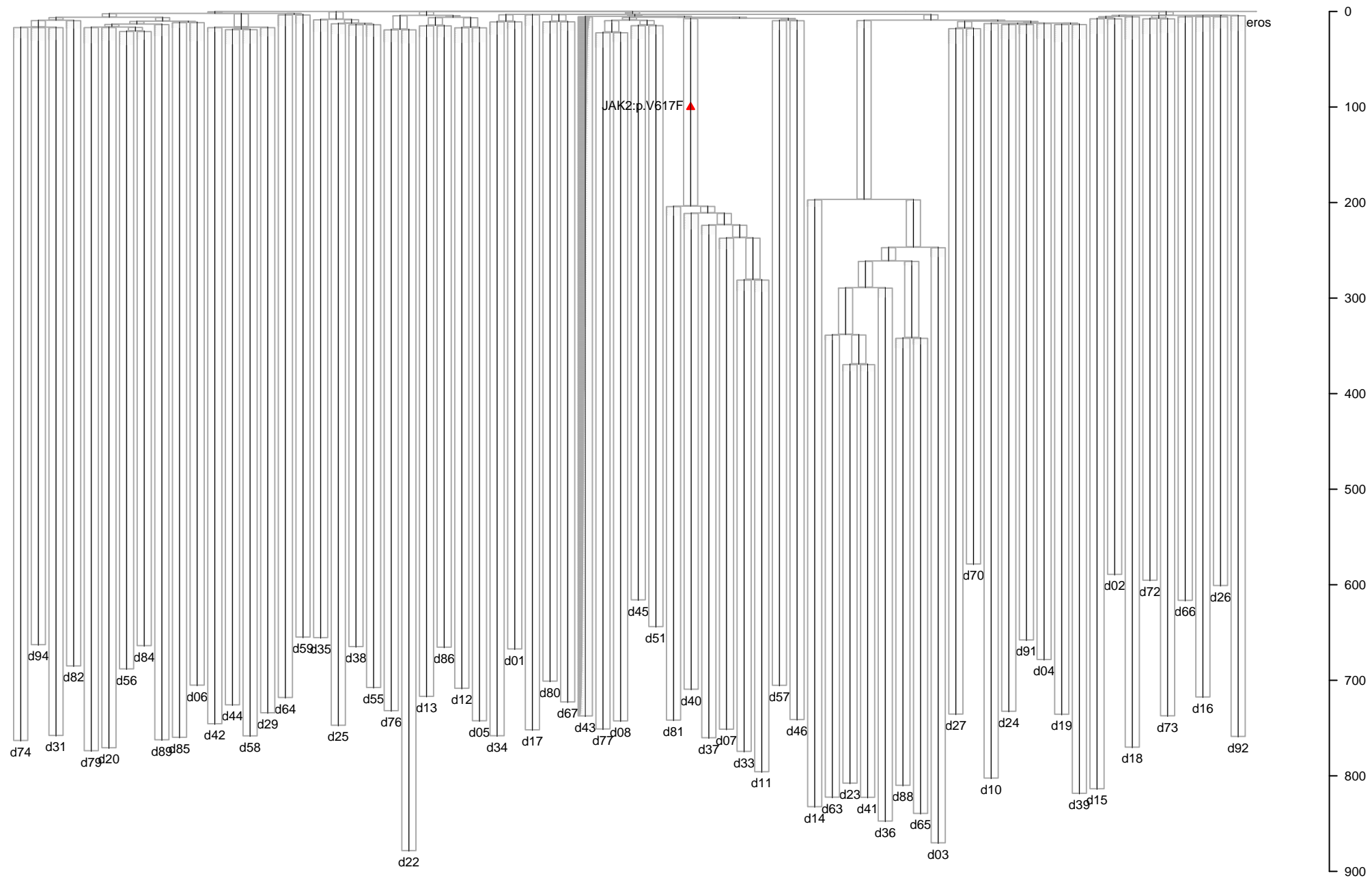
PD5163: Annotated with VAF from d80
Mean Depth=17.20



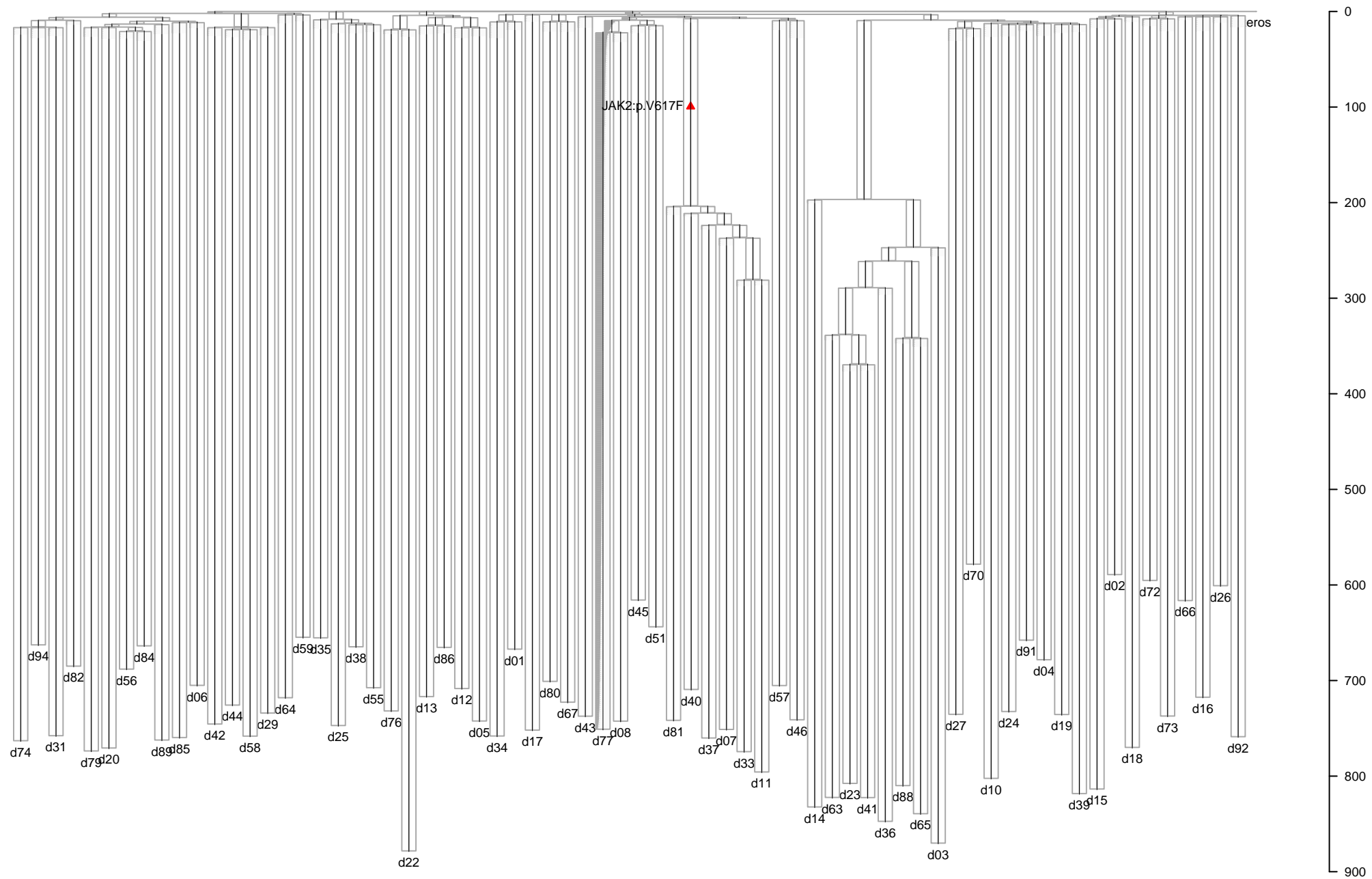
PD5163: Annotated with VAF from d67
Mean Depth=18.82



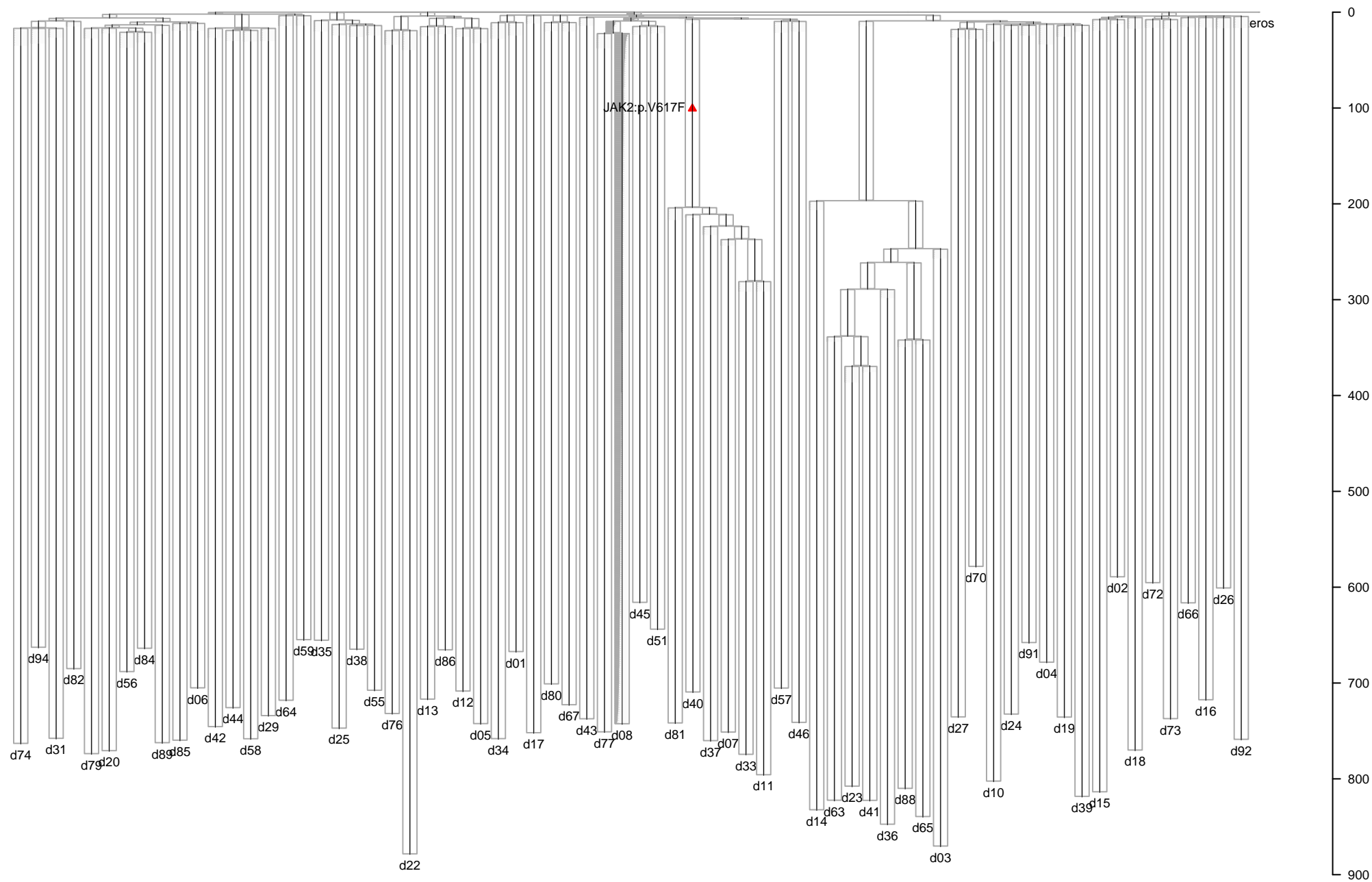
PD5163: Annotated with VAF from d43
Mean Depth=19.37



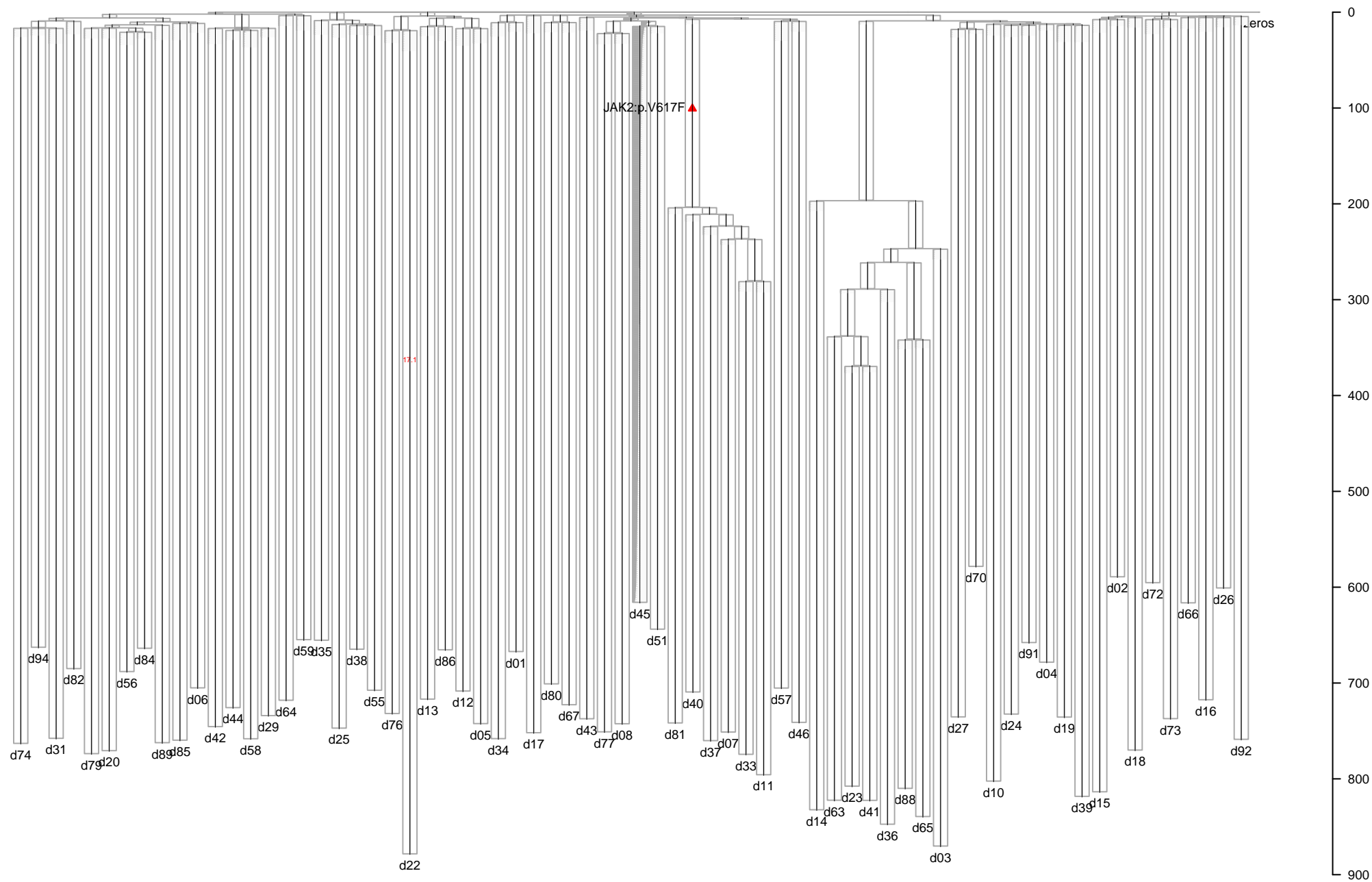
PD5163: Annotated with VAF from d77
Mean Depth=15.70



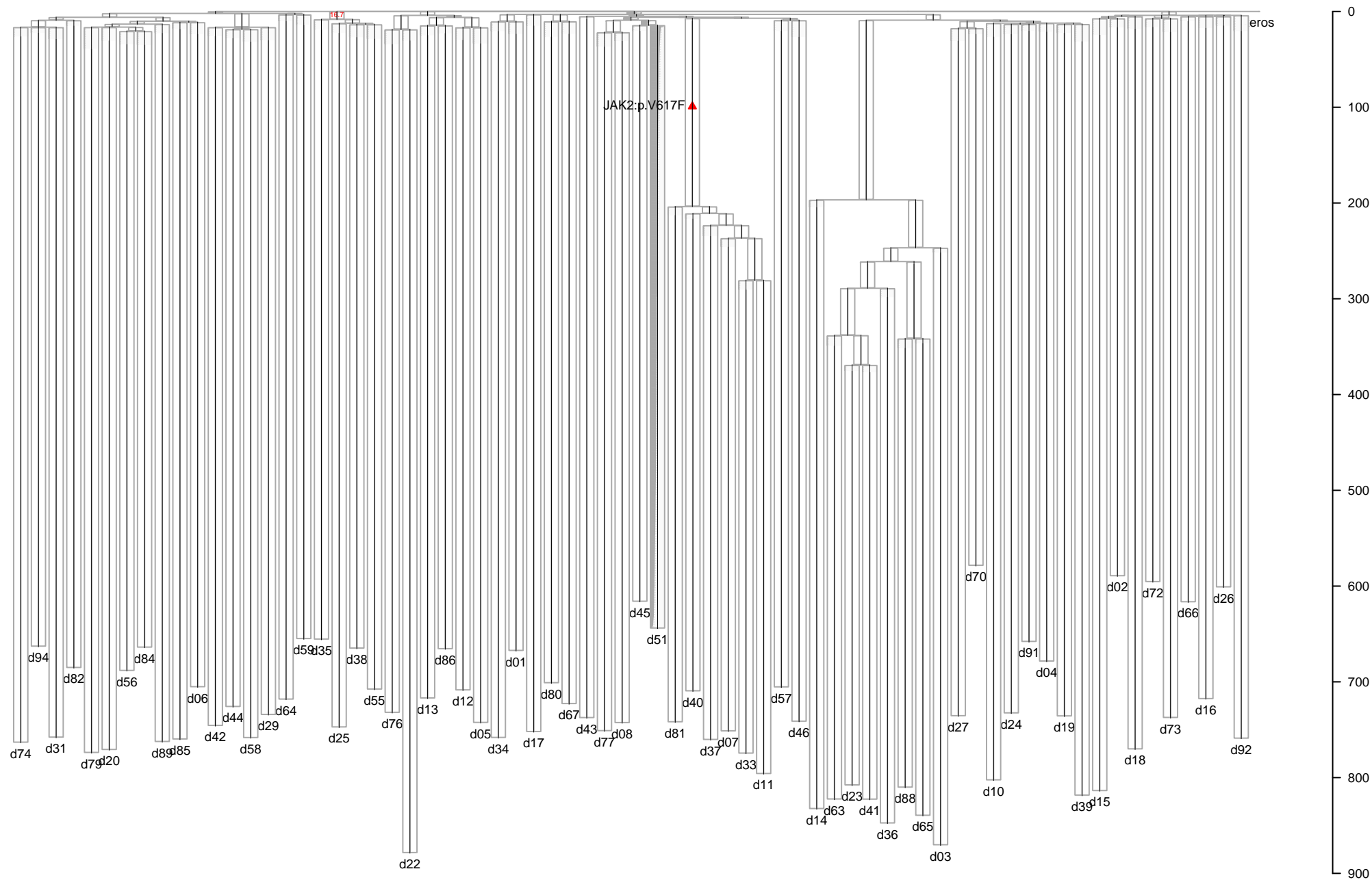
PD5163: Annotated with VAF from d08
Mean Depth=18.36



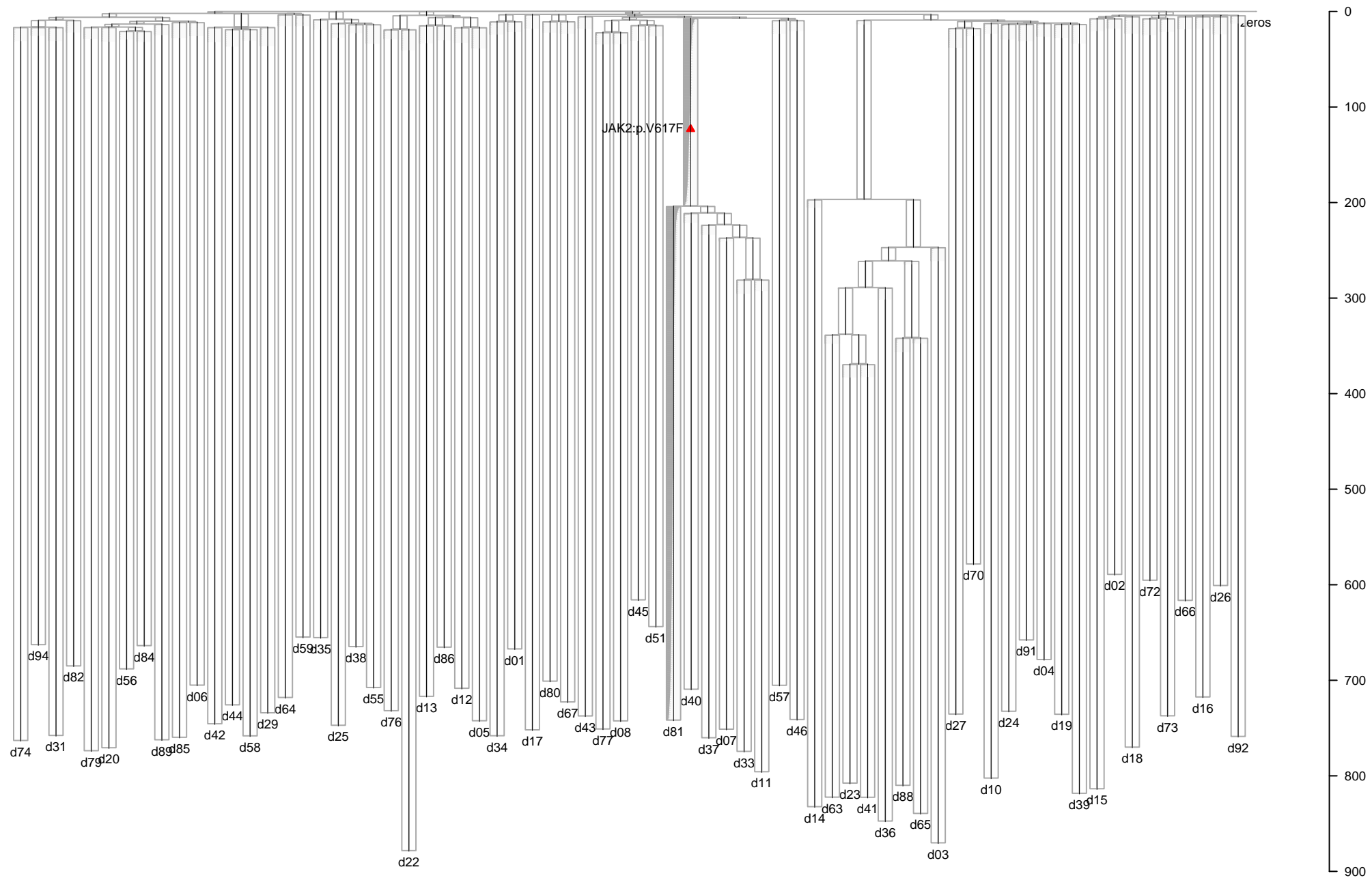
PD5163: Annotated with VAF from d45
Mean Depth=17.53



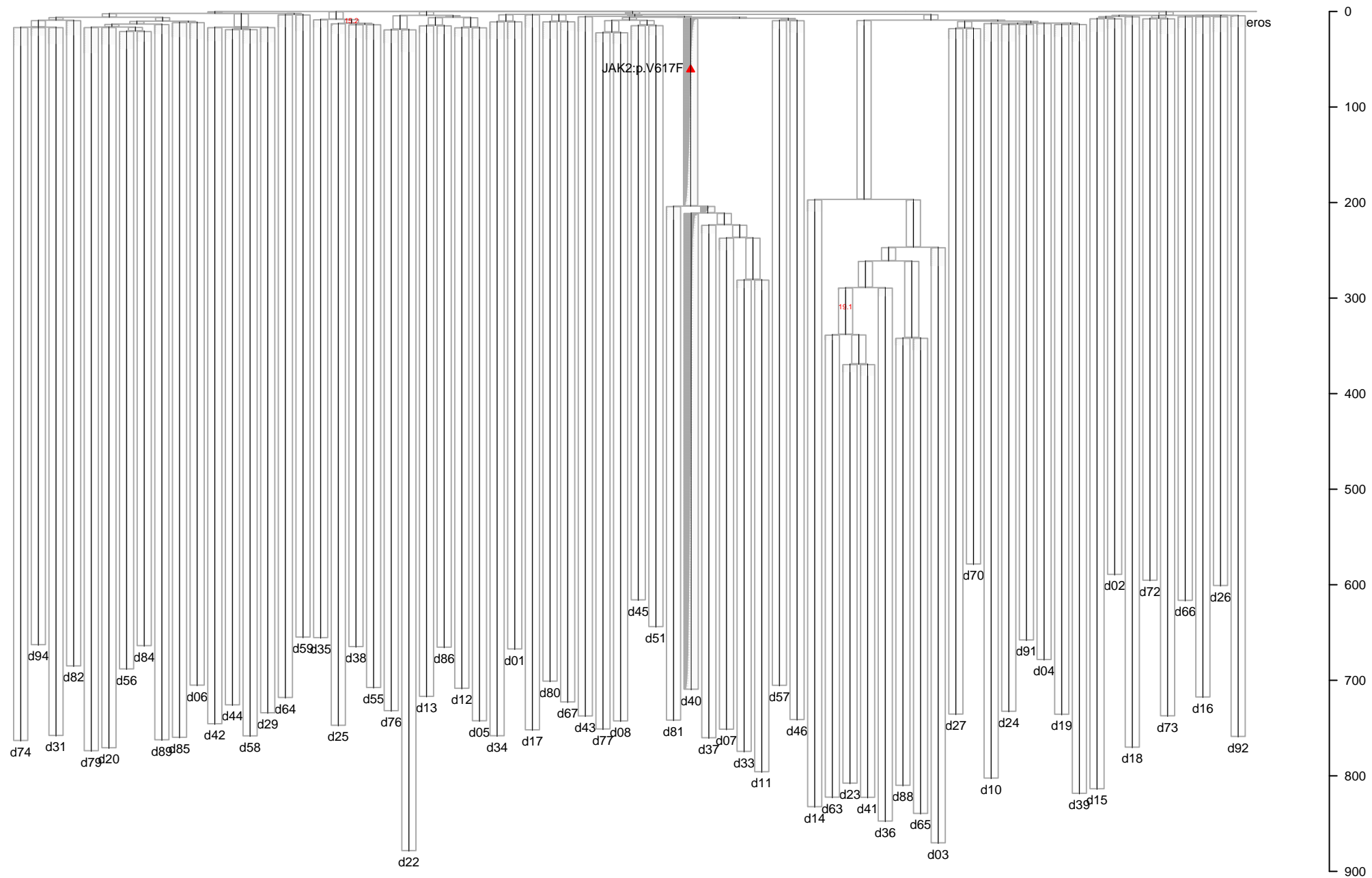
PD5163: Annotated with VAF from d51
Mean Depth=21.69



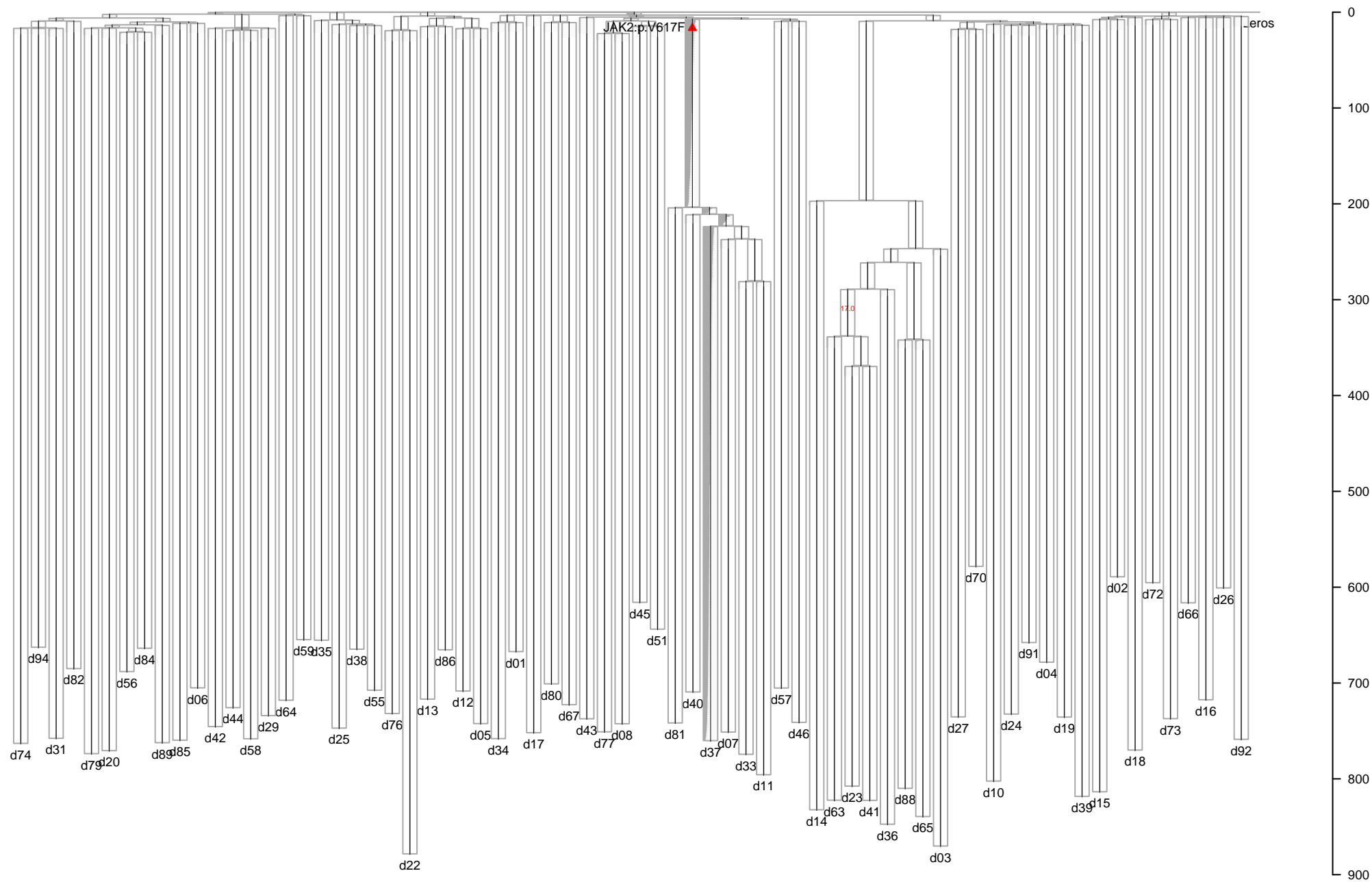
PD5163: Annotated with VAF from d8
Mean Depth=19.82



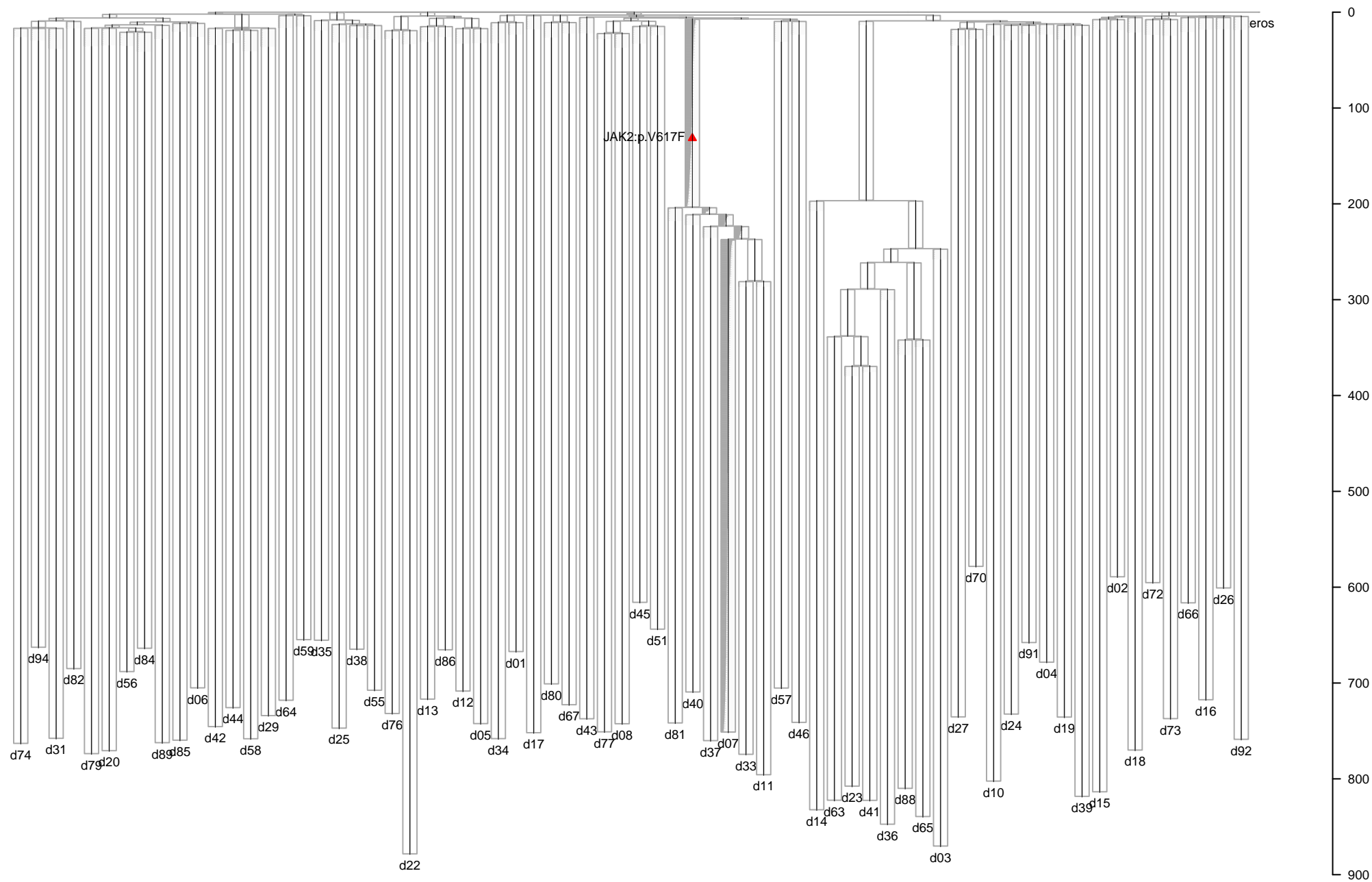
PD5163: Annotated with VAF from d40
Mean Depth=20.91



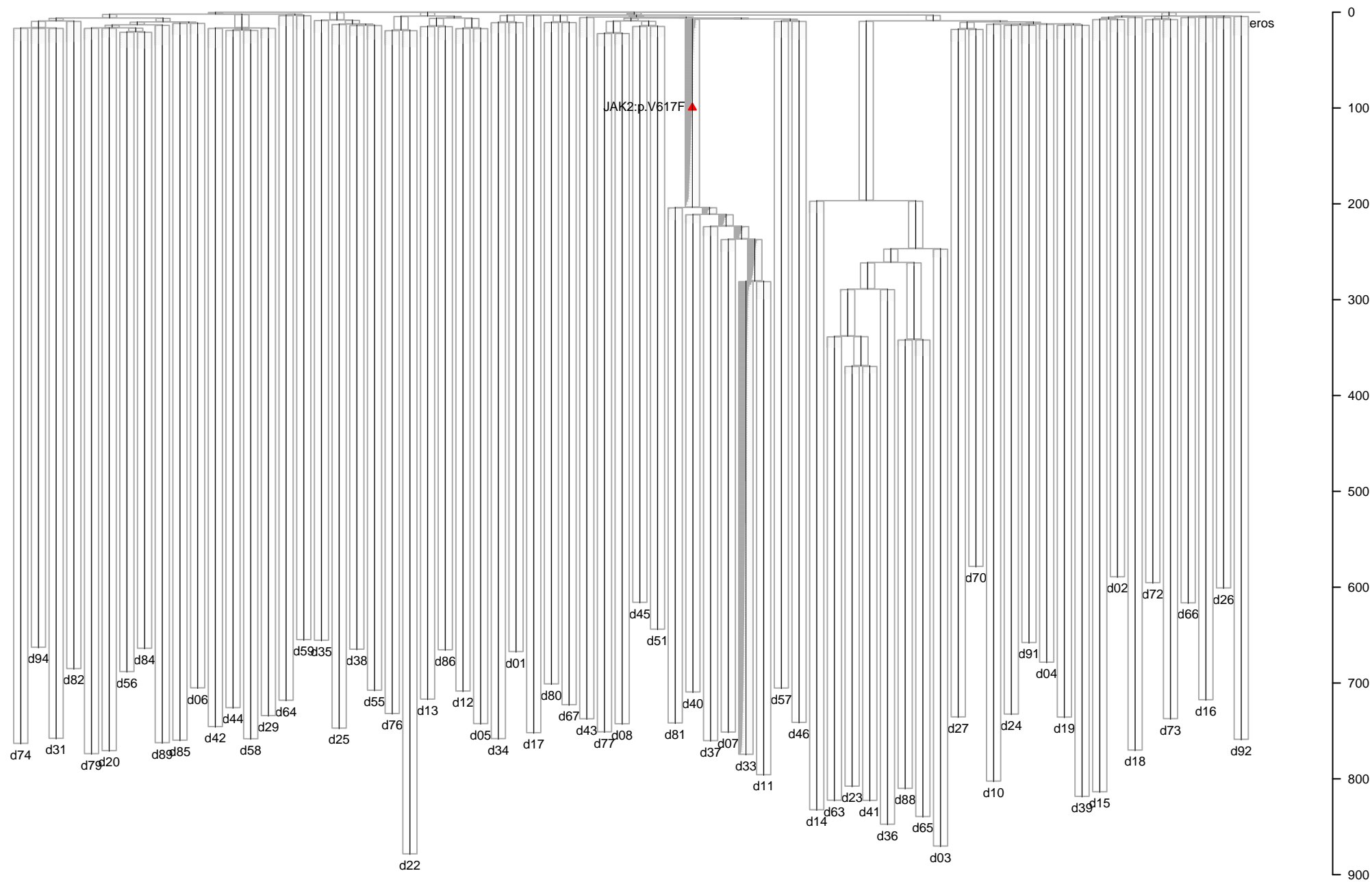
PD5163: Annotated with VAF from d37
Mean Depth=18.78



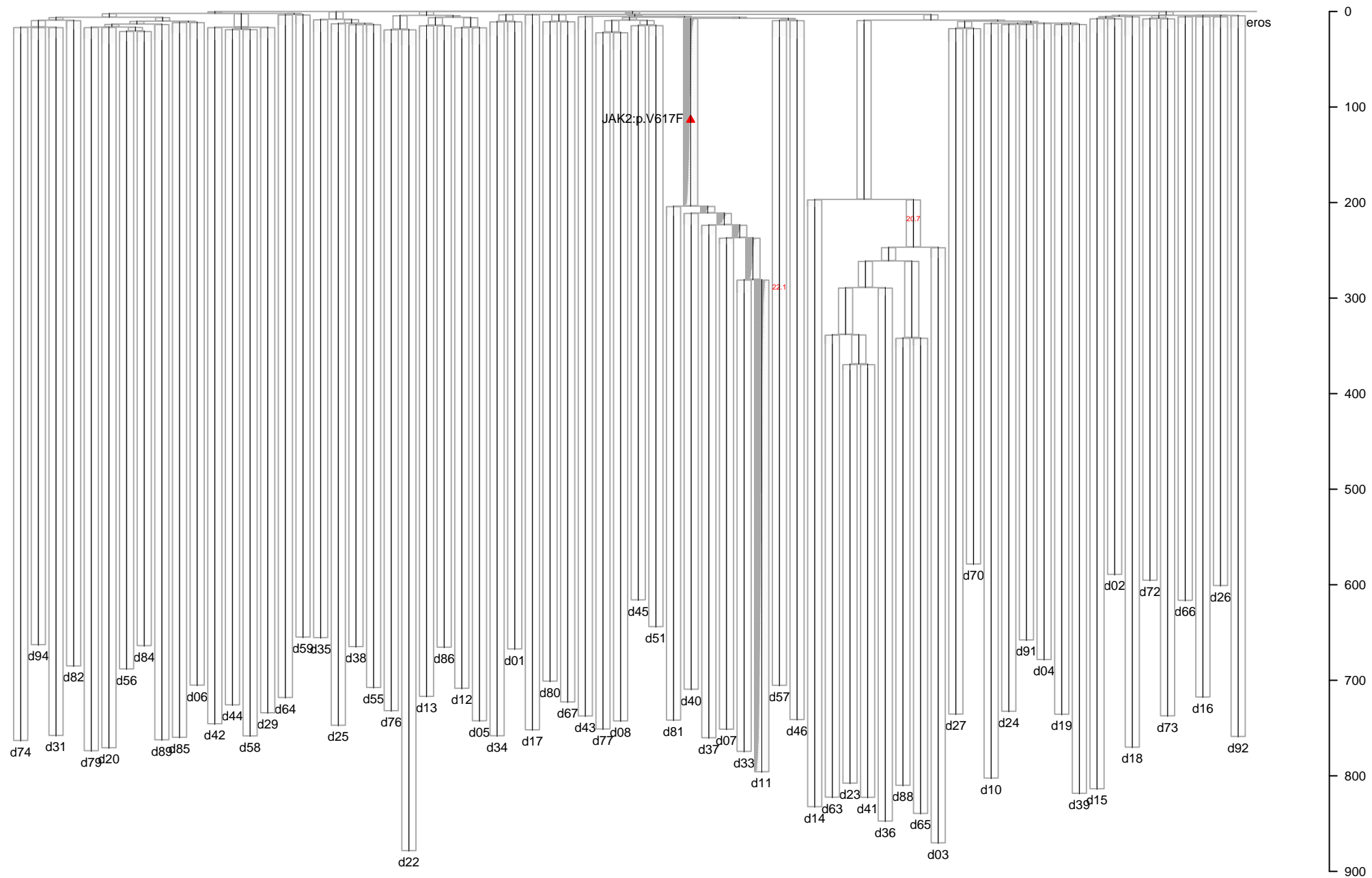
PD5163: Annotated with VAF from d07
Mean Depth=19.38



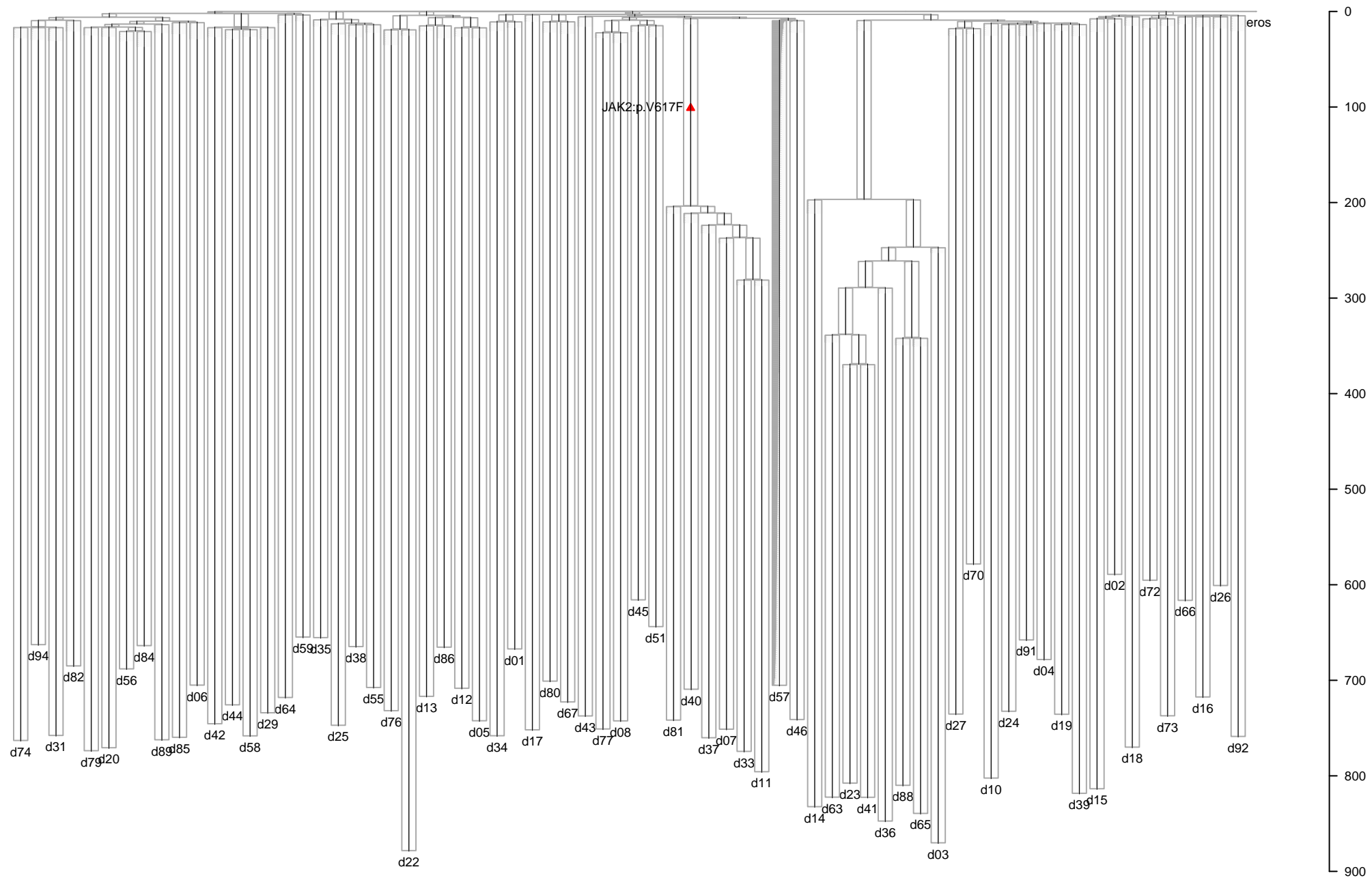
PD5163: Annotated with VAF from d33
Mean Depth=19.70



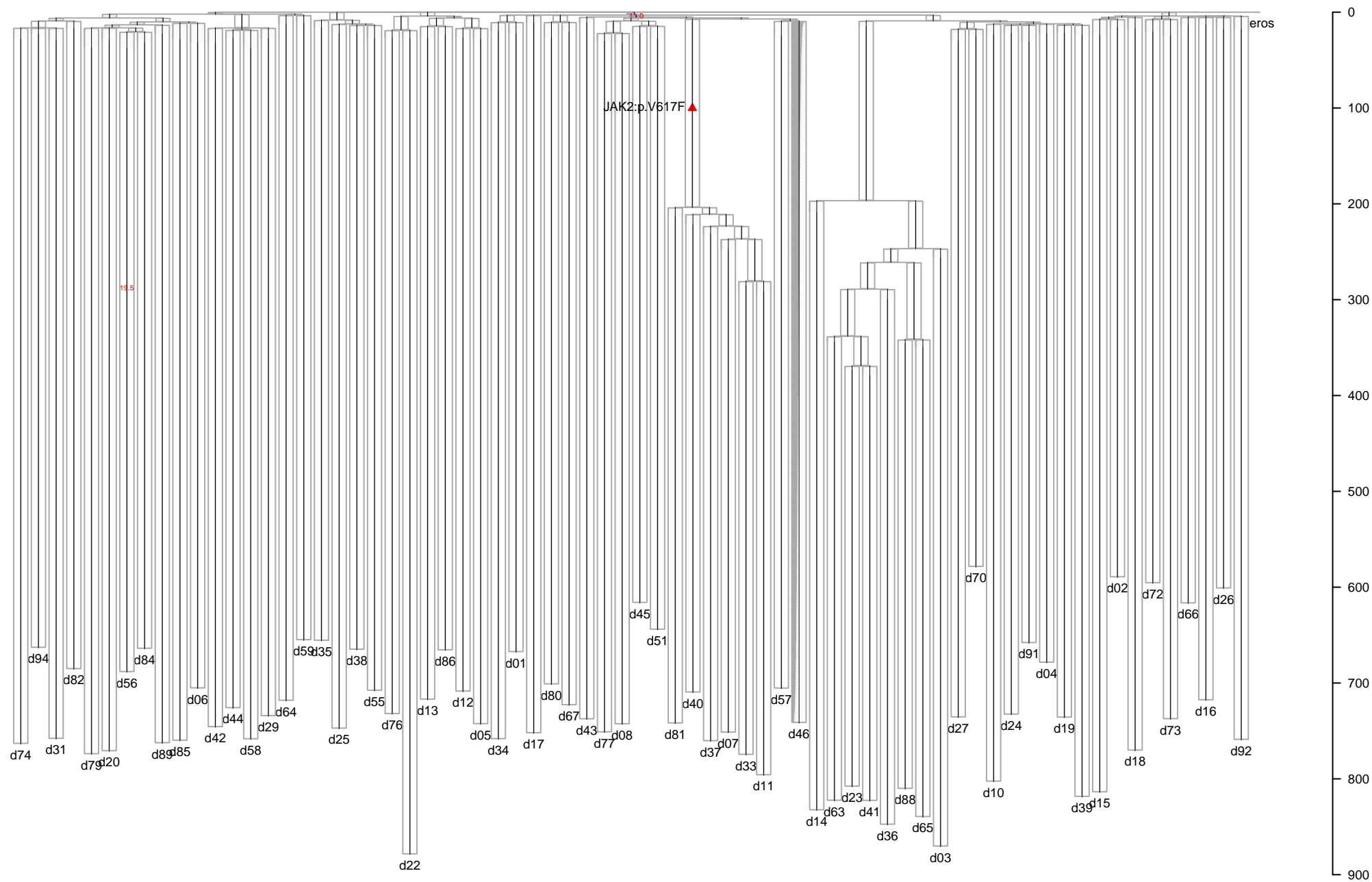
PD5163: Annotated with VAF from d1
Mean Depth=22.62



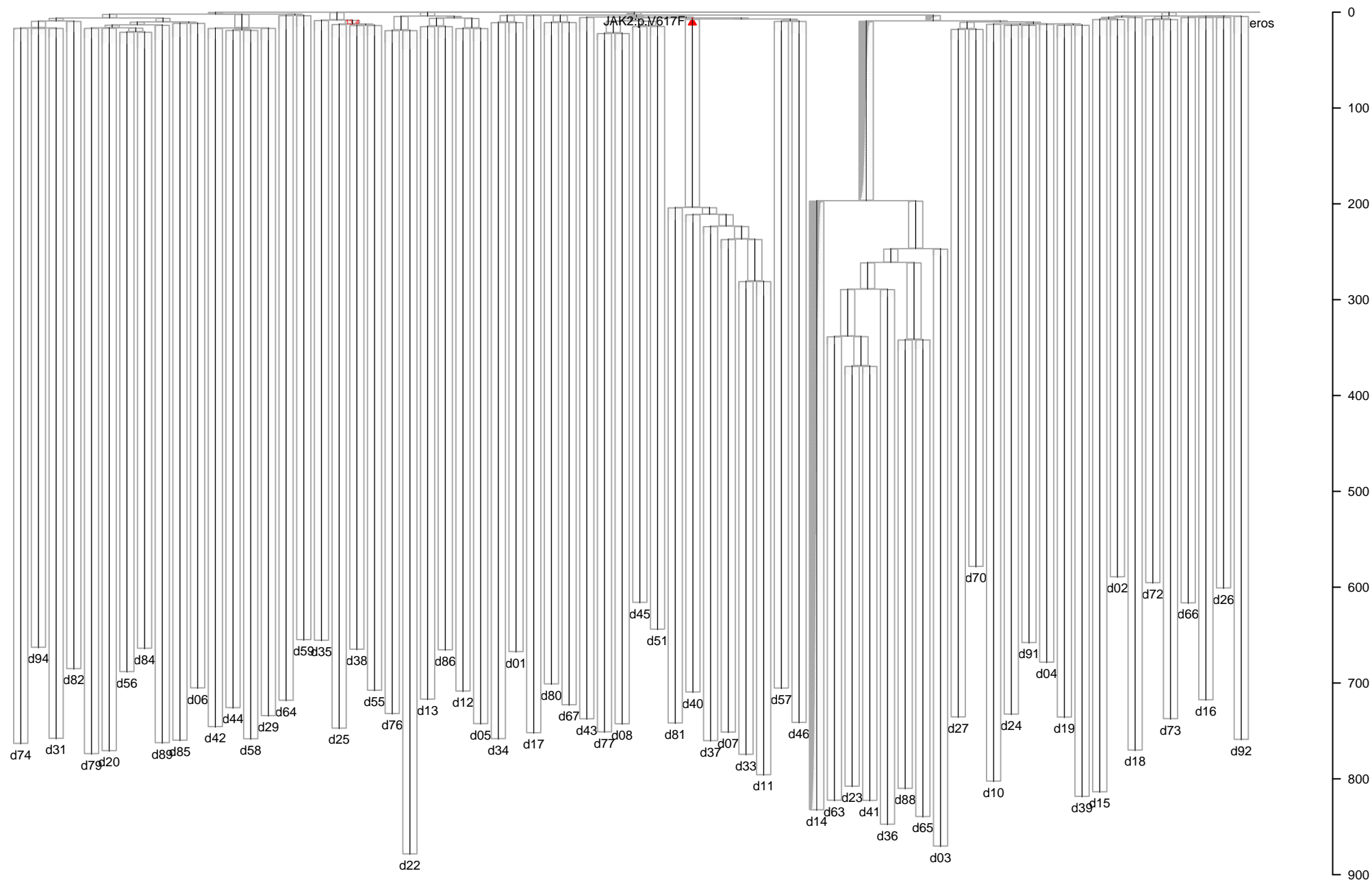
Mean Depth=18.01



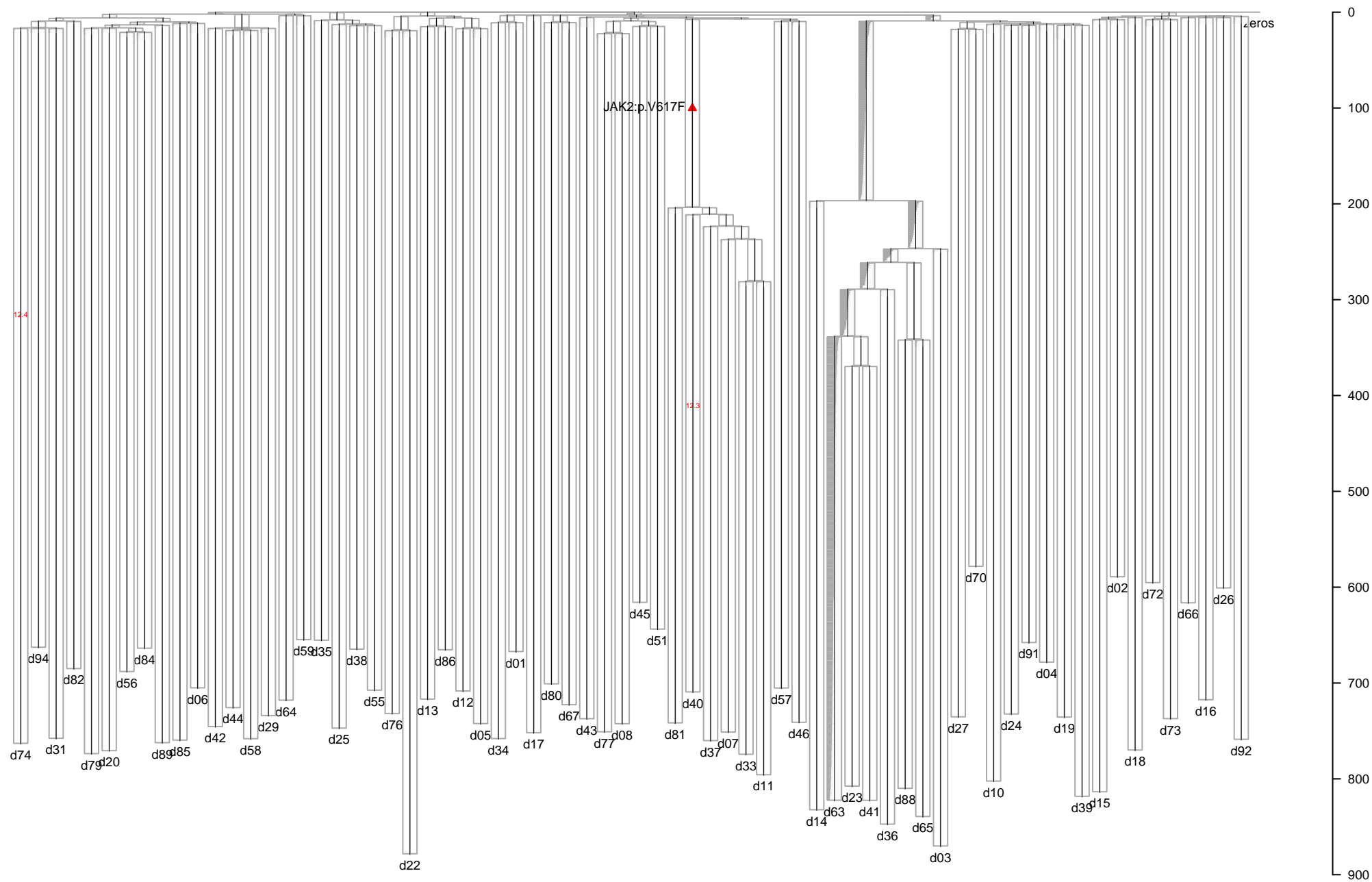
PD5163: Annotated with VAF from d46
Mean Depth=20.04



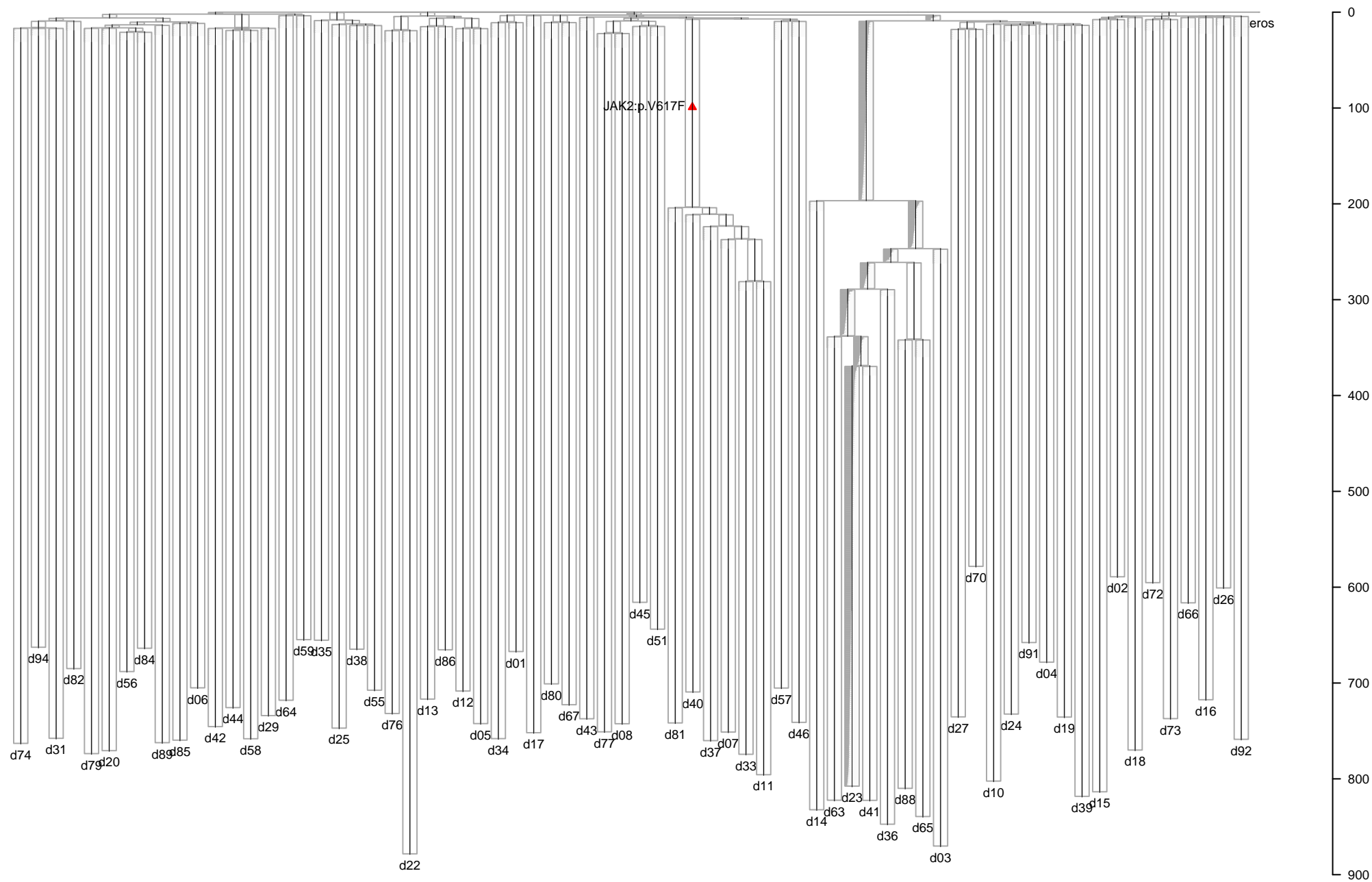
PD5163: Annotated with VAF from d14
Mean Depth=19.51



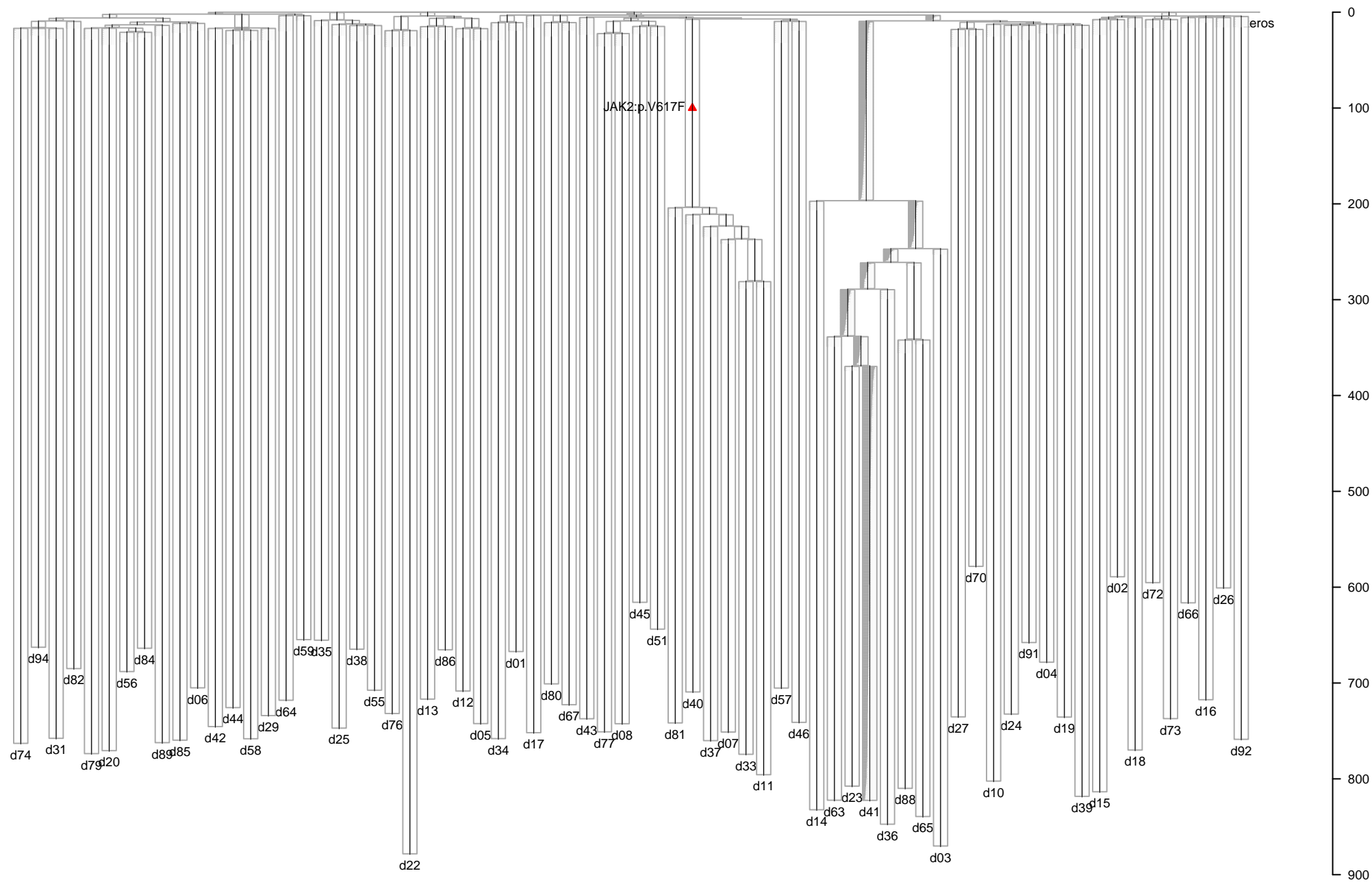
PD5163: Annotated with VAF from d63
Mean Depth=12.89



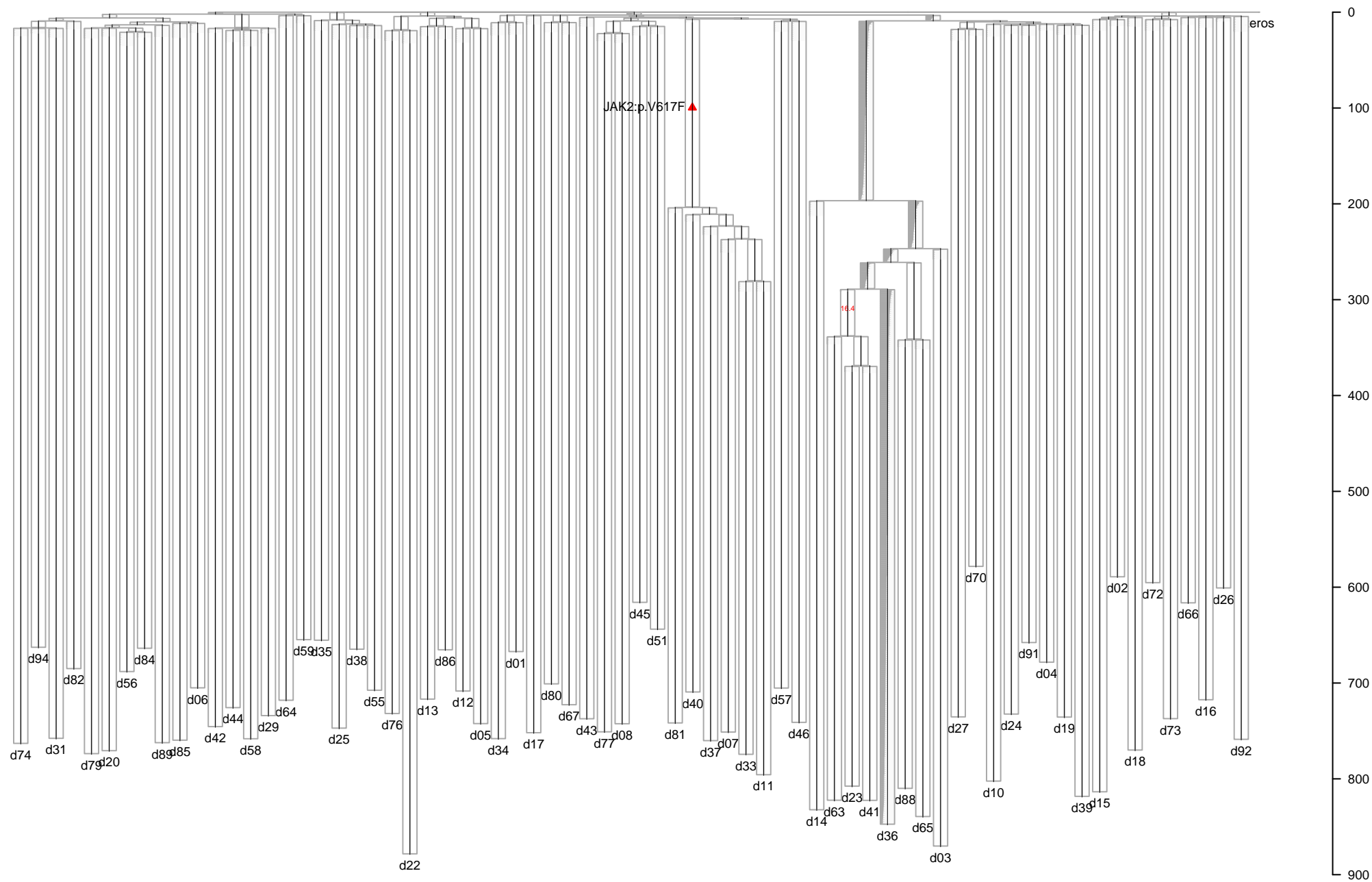
PD5163: Annotated with VAF from d23
Mean Depth=16.85



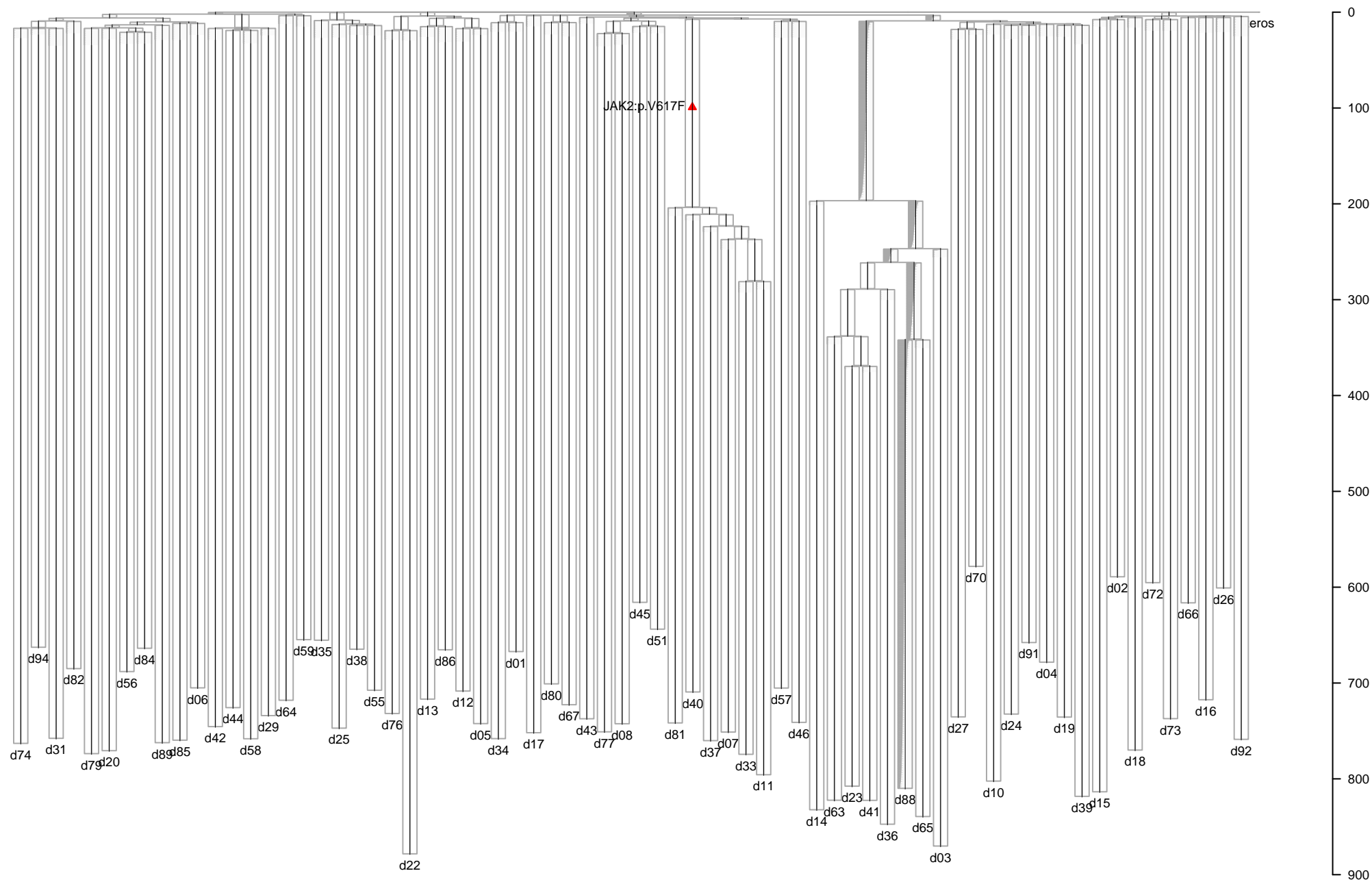
PD5163: Annotated with VAF from d41
Mean Depth=15.84



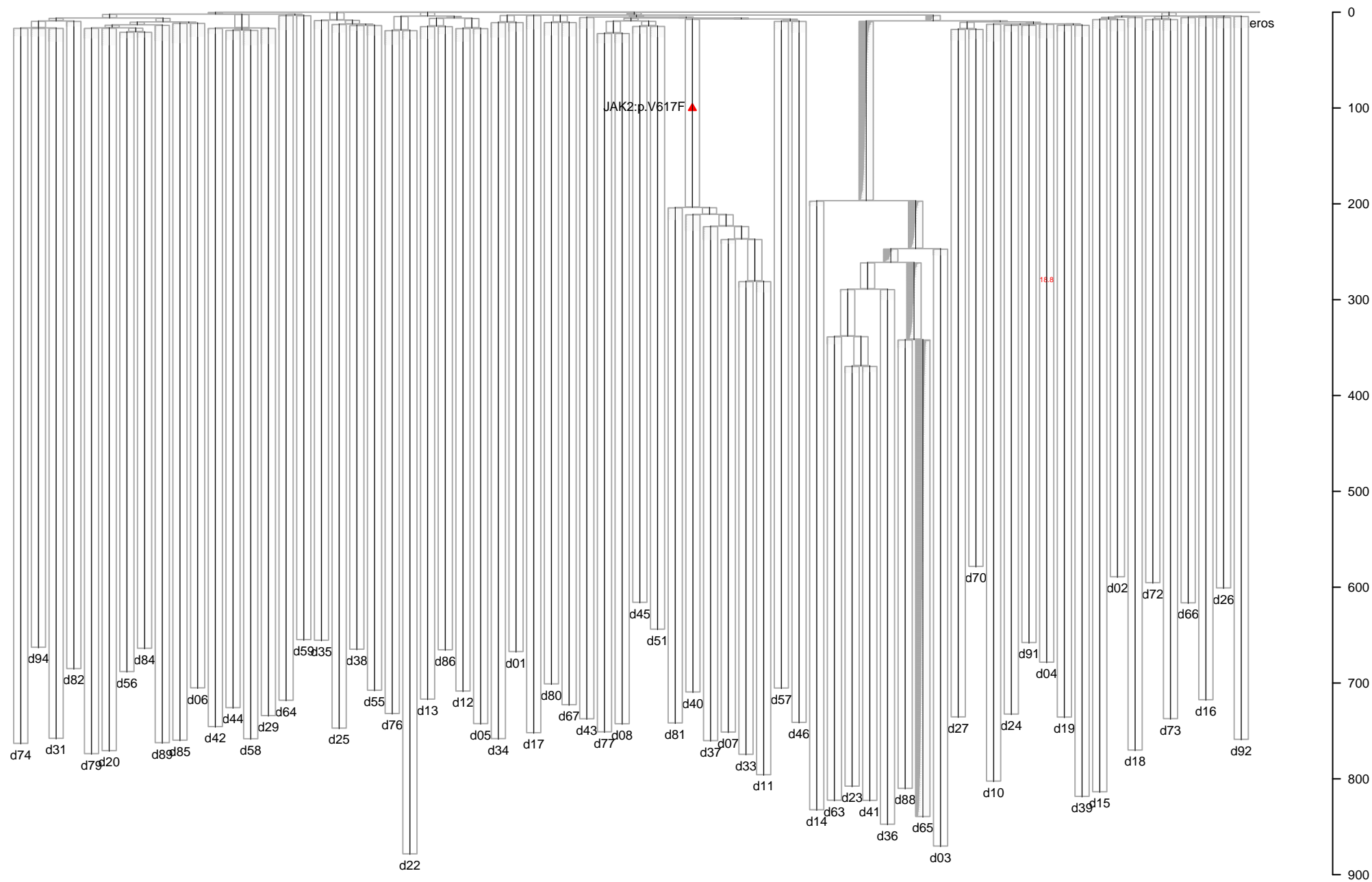
PD5163: Annotated with VAF from d36
Mean Depth=18.03



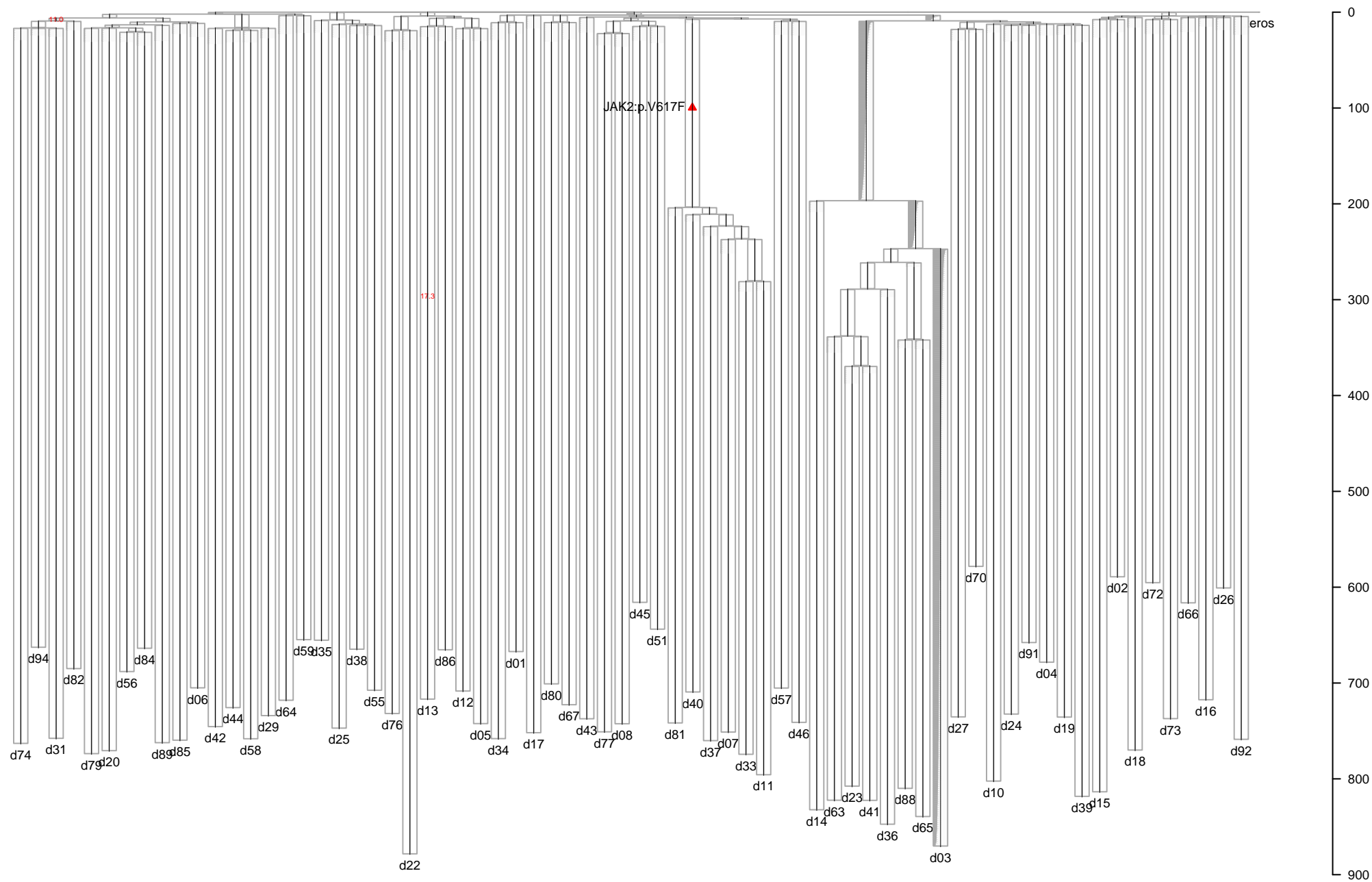
PD5163: Annotated with VAF from d88
Mean Depth=21.81



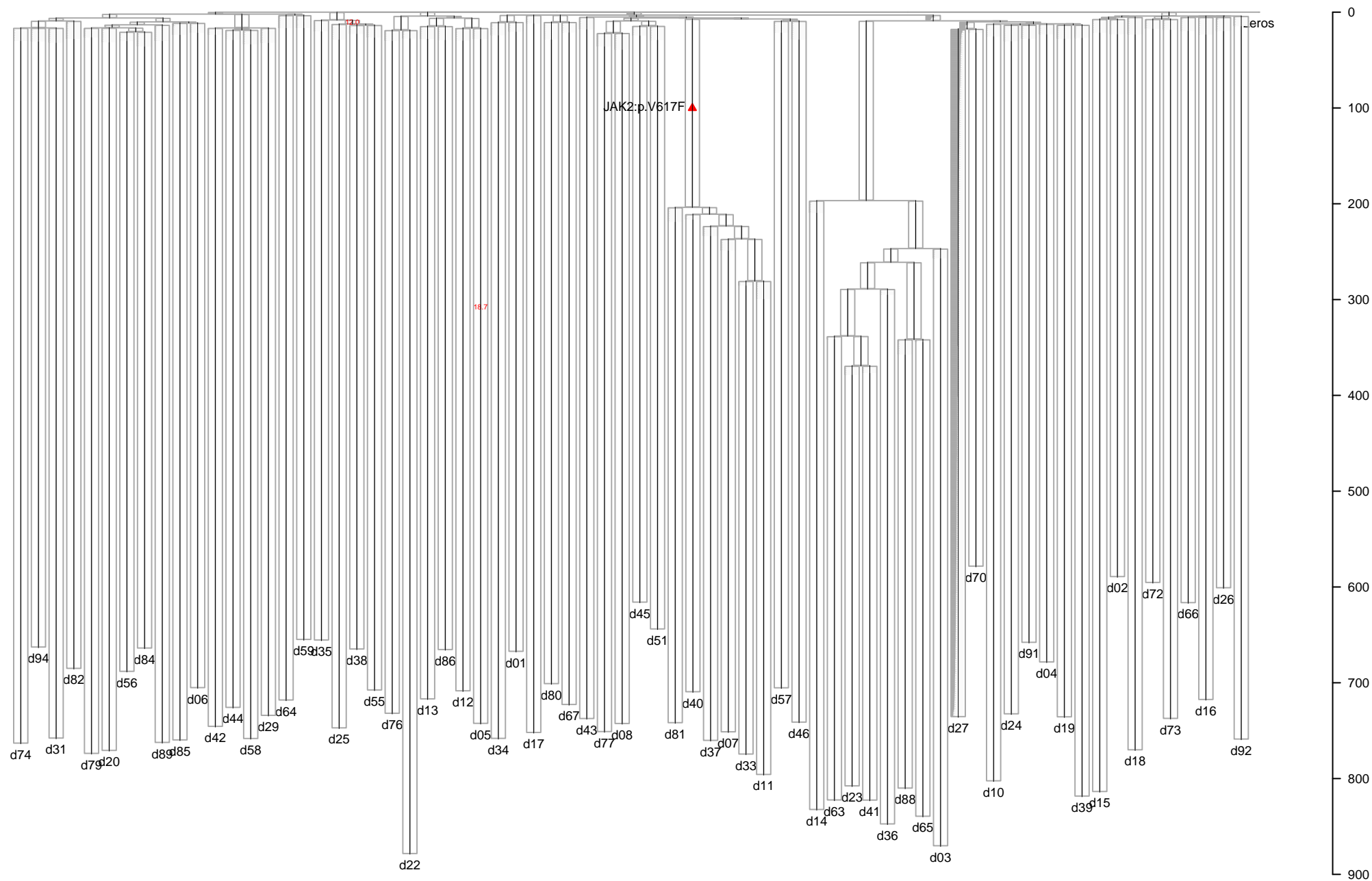
PD5163: Annotated with VAF from d65
Mean Depth=19.36



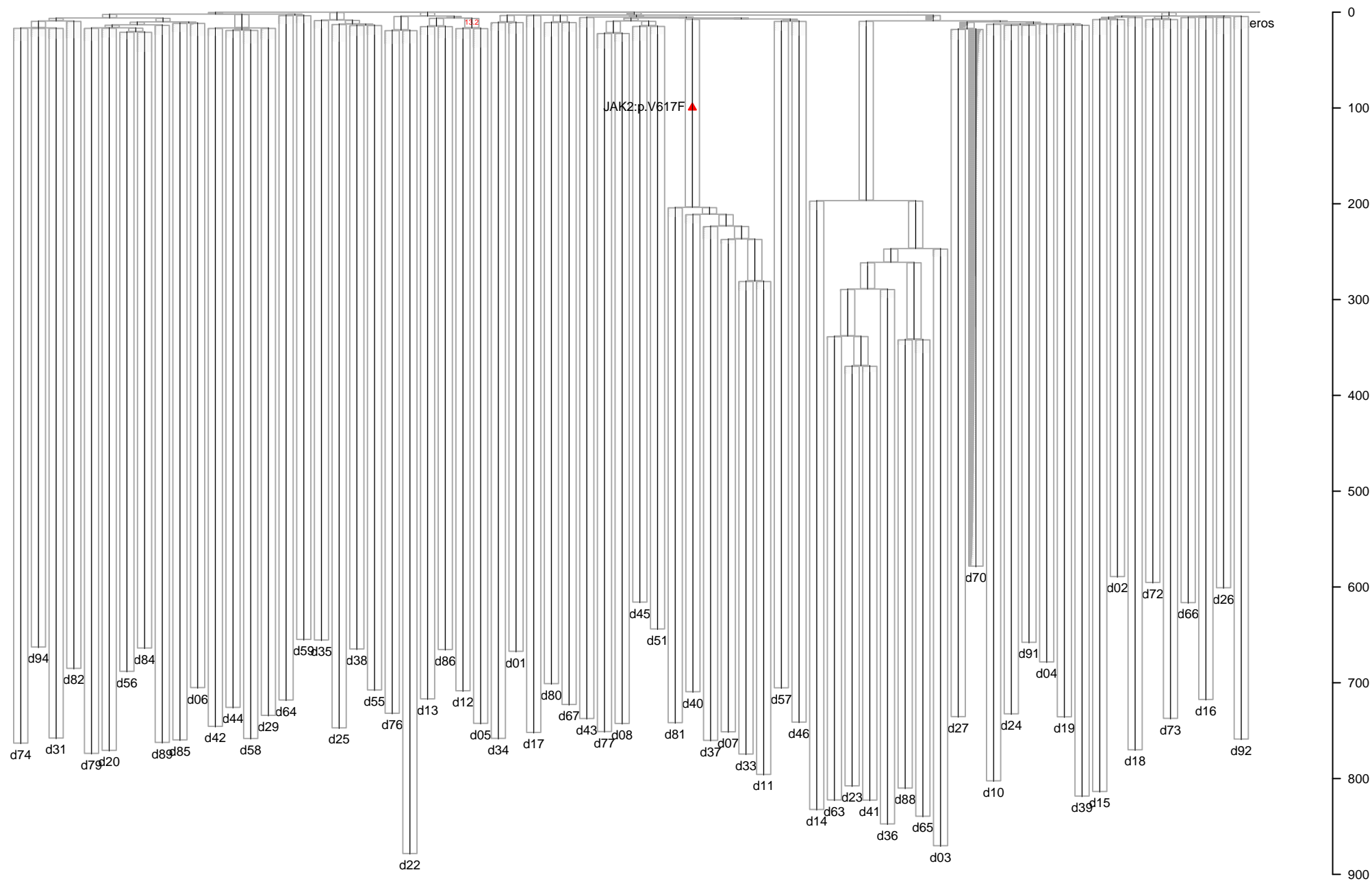
PD5163: Annotated with VAF from d03
Mean Depth=17.81



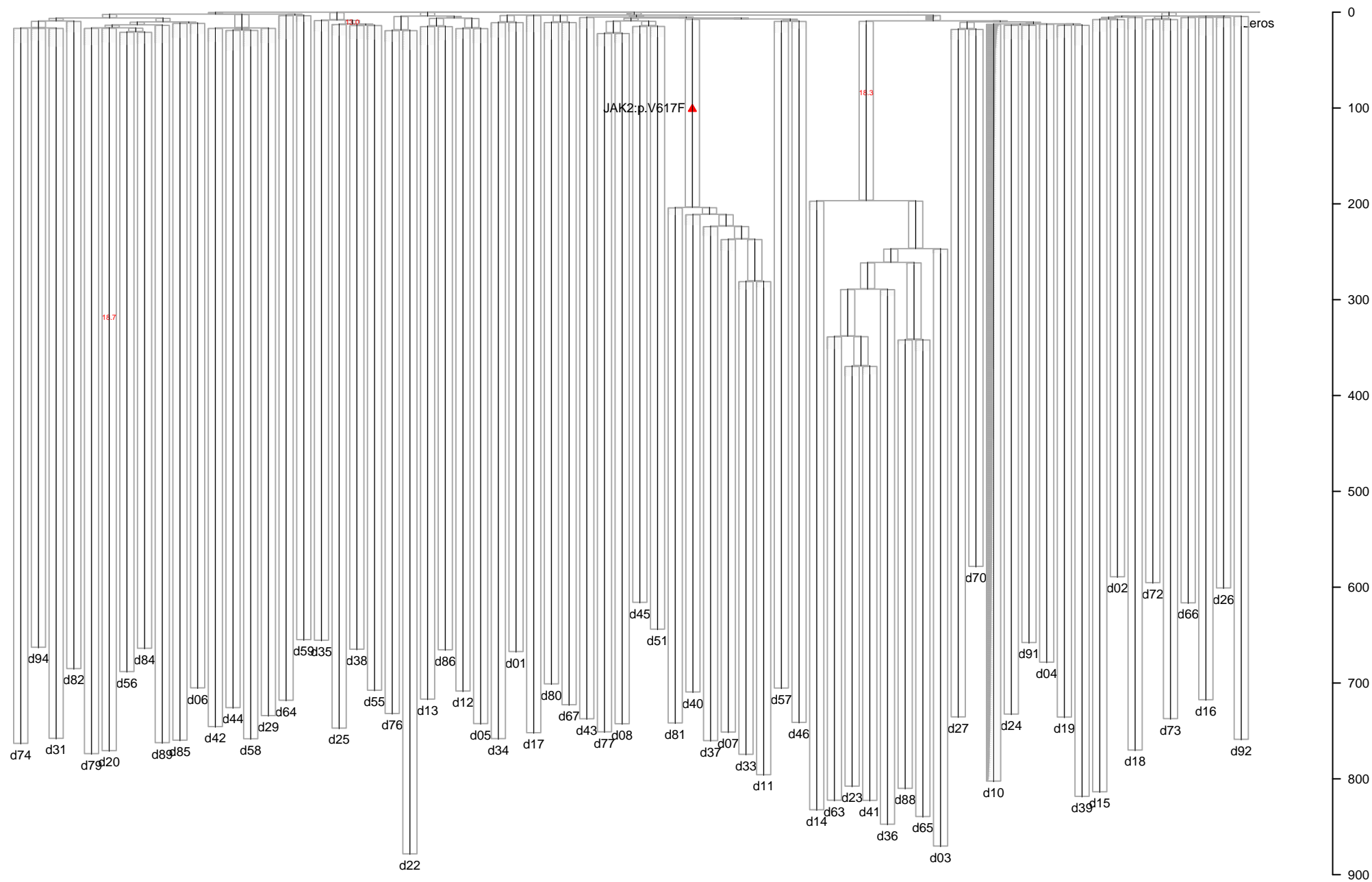
PD5163: Annotated with VAF from d27
Mean Depth=19.23



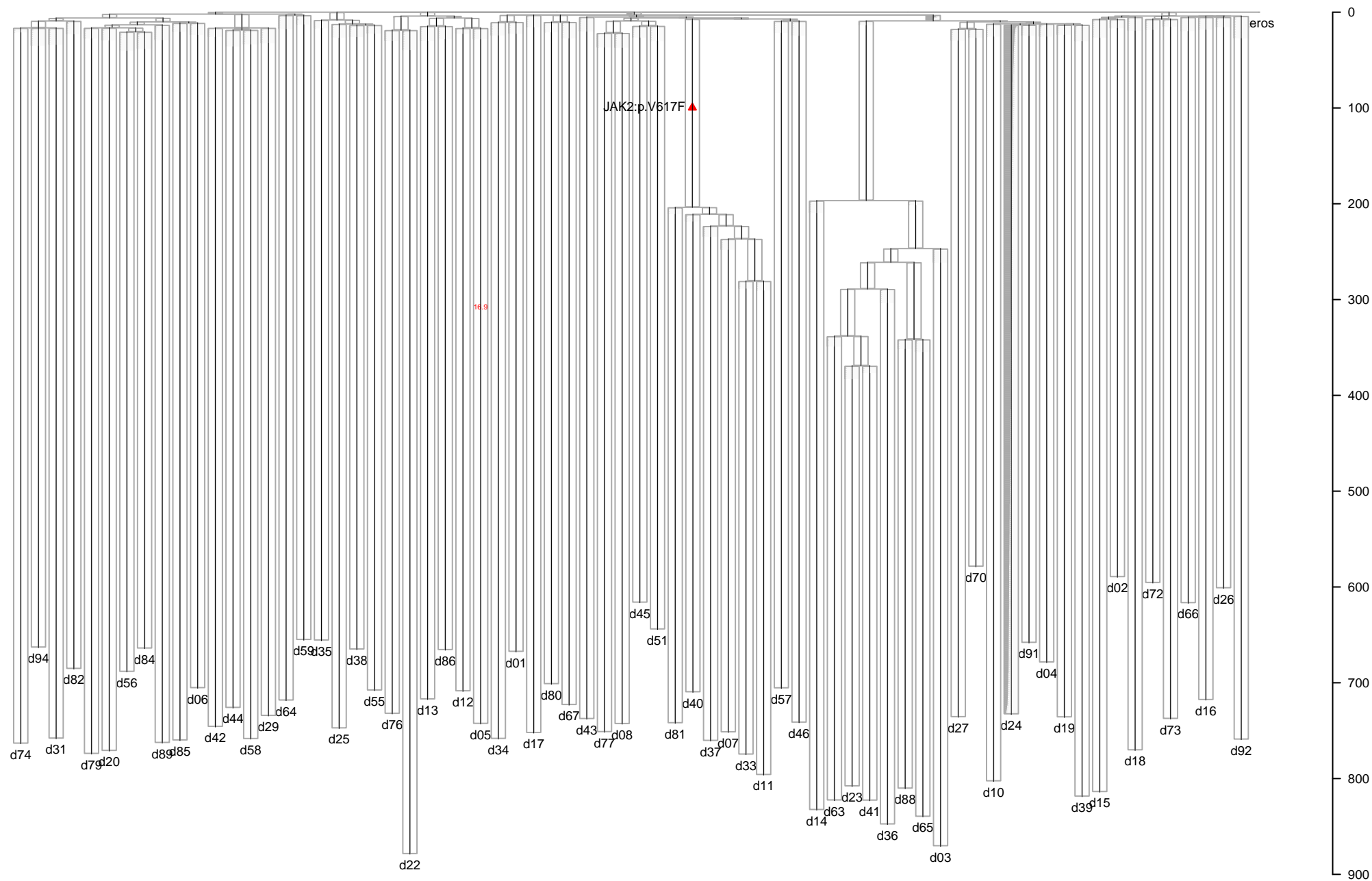
PD5163: Annotated with VAF from d70
Mean Depth=16.74



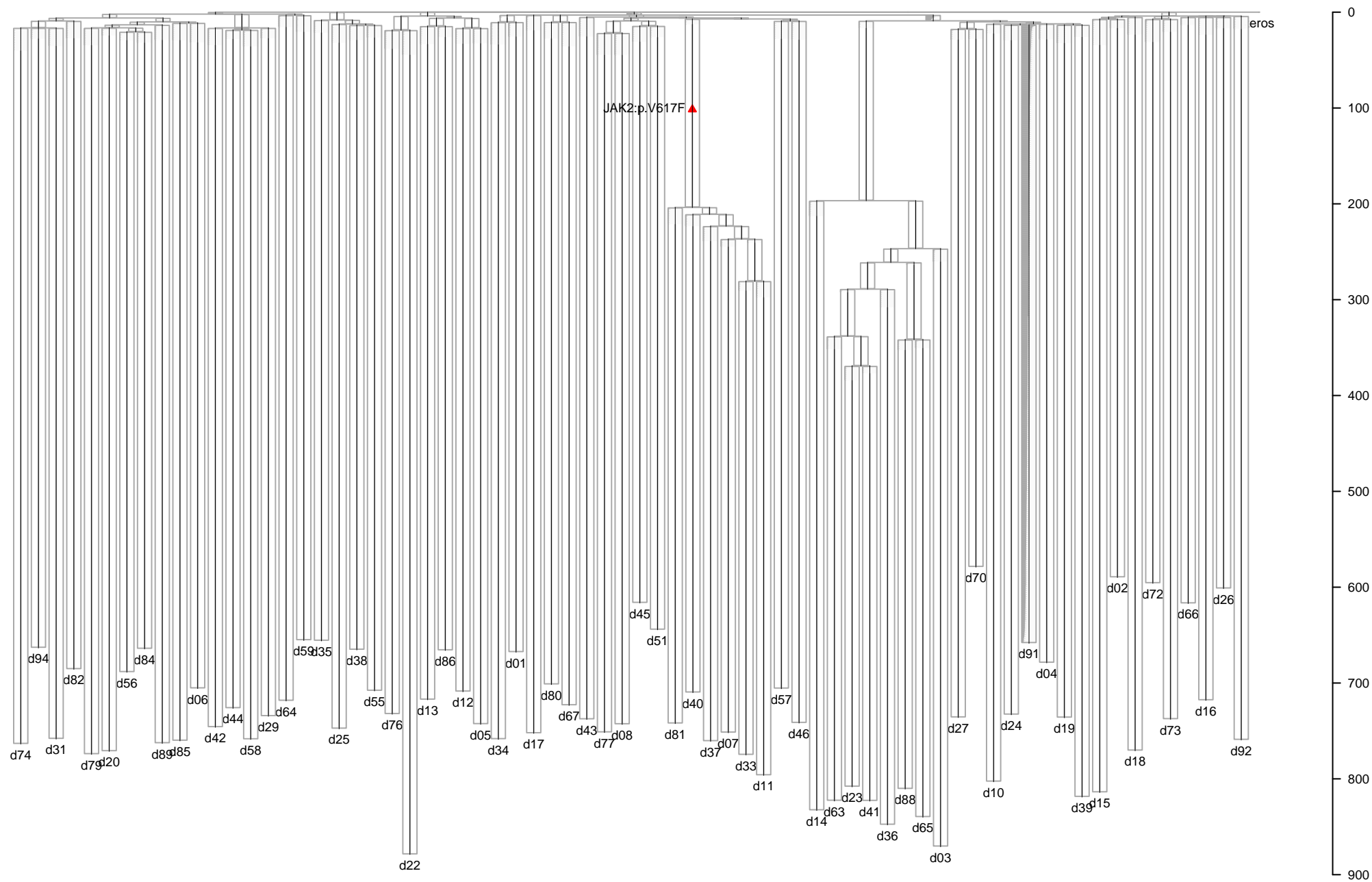
PD5163: Annotated with VAF from d10
Mean Depth=19.37



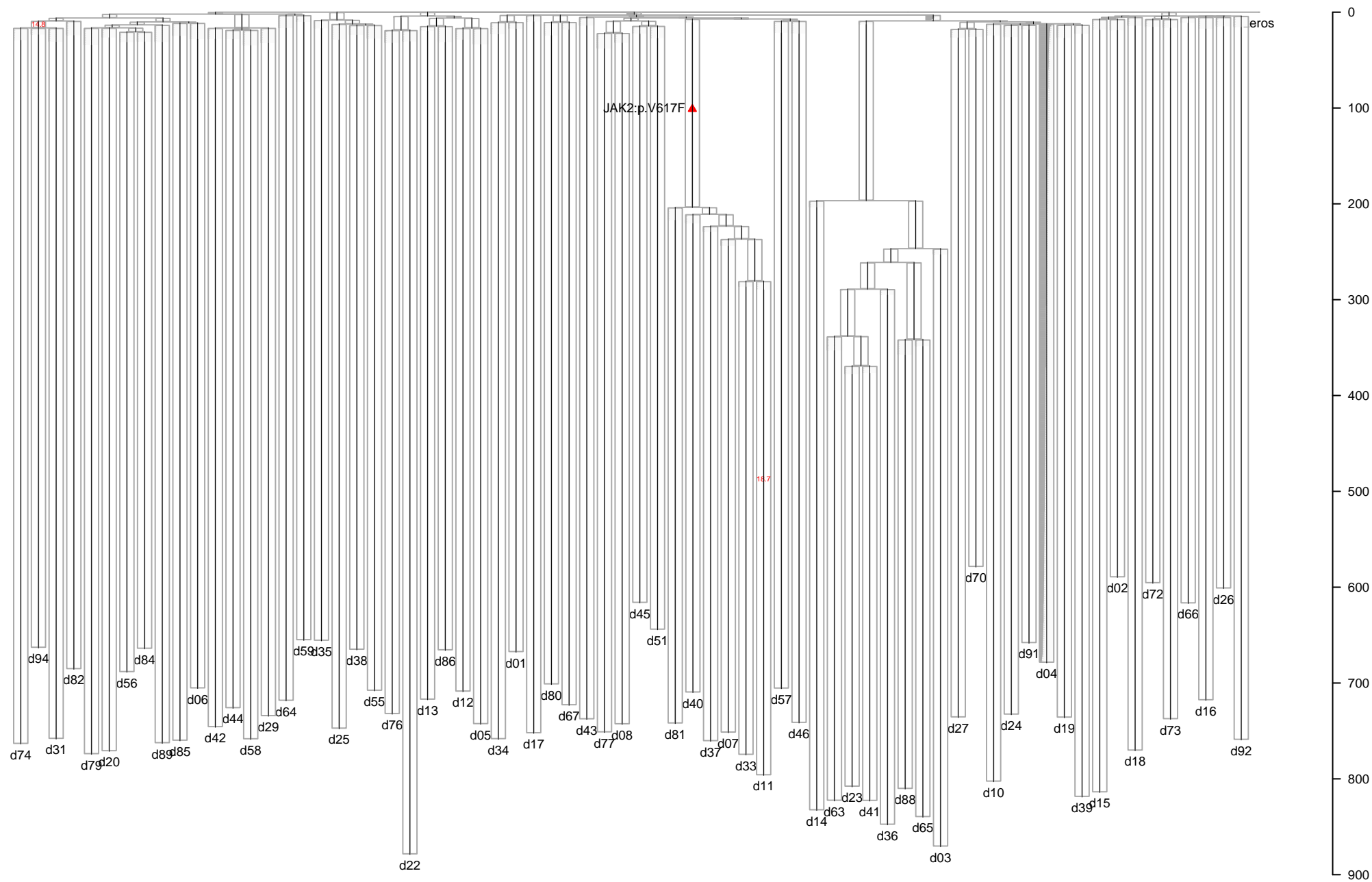
PD5163: Annotated with VAF from d24
Mean Depth=17.34



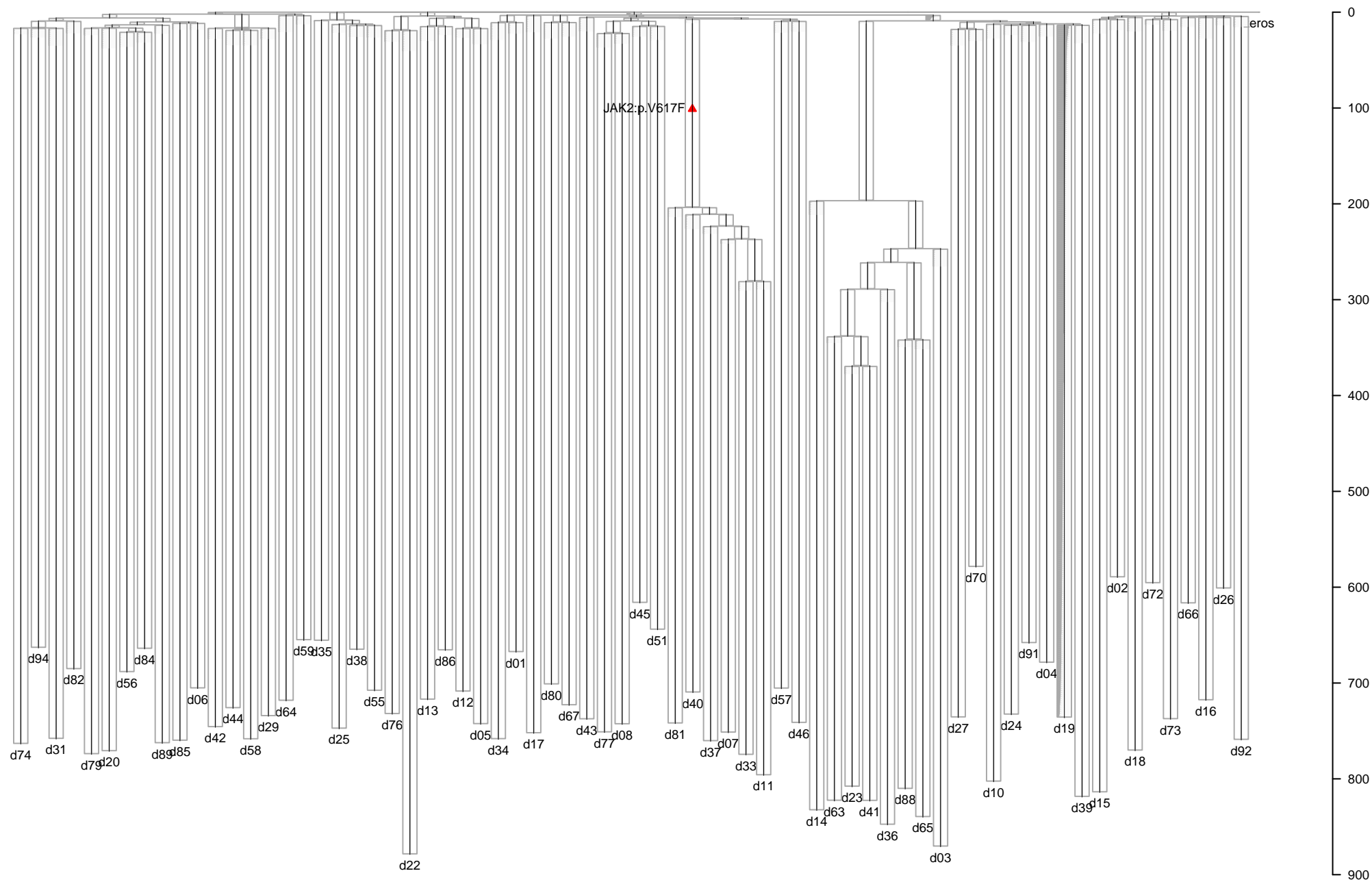
PD5163: Annotated with VAF from d91
Mean Depth=18.72



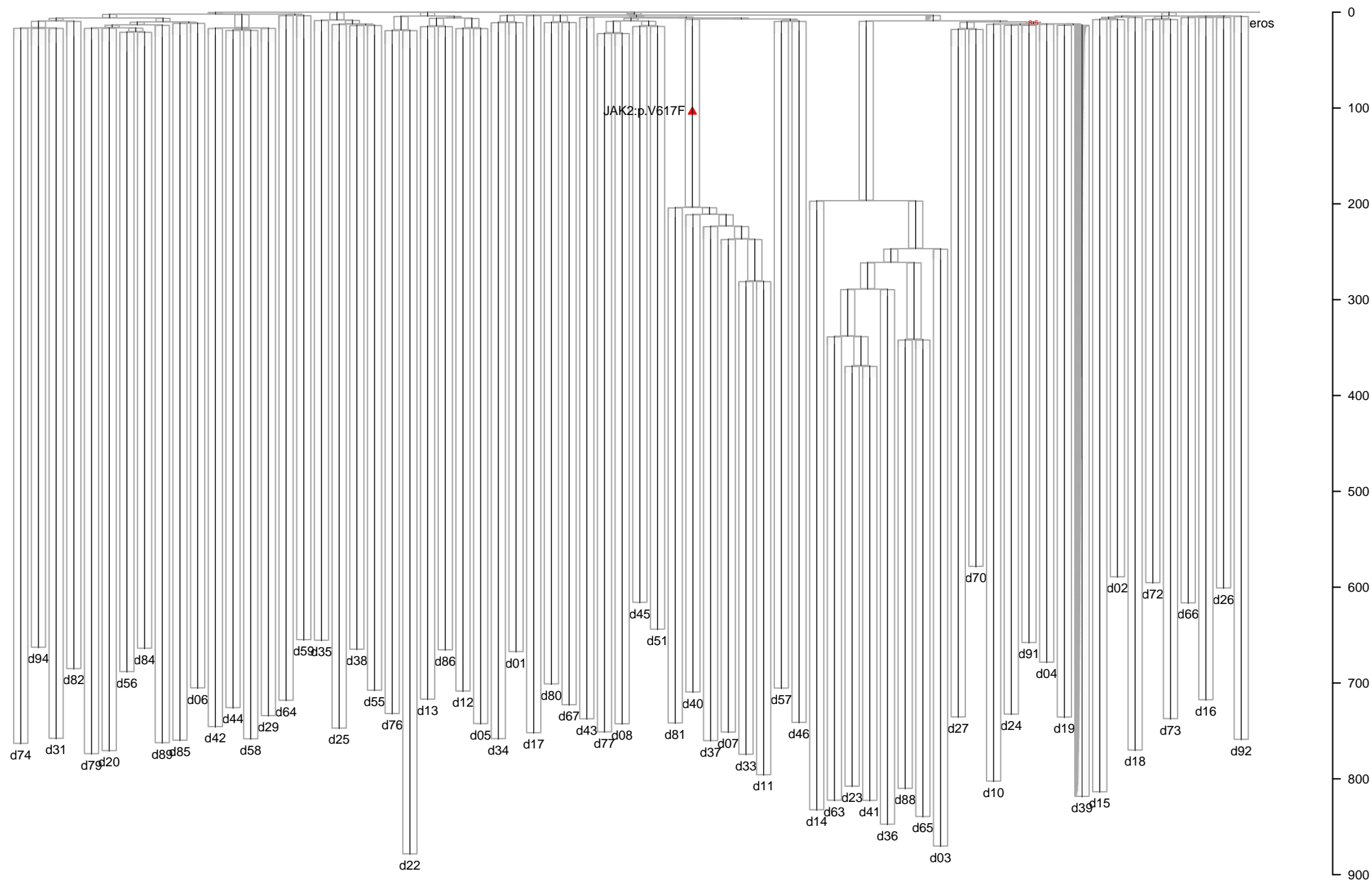
PD5163: Annotated with VAF from d04
Mean Depth=19.29



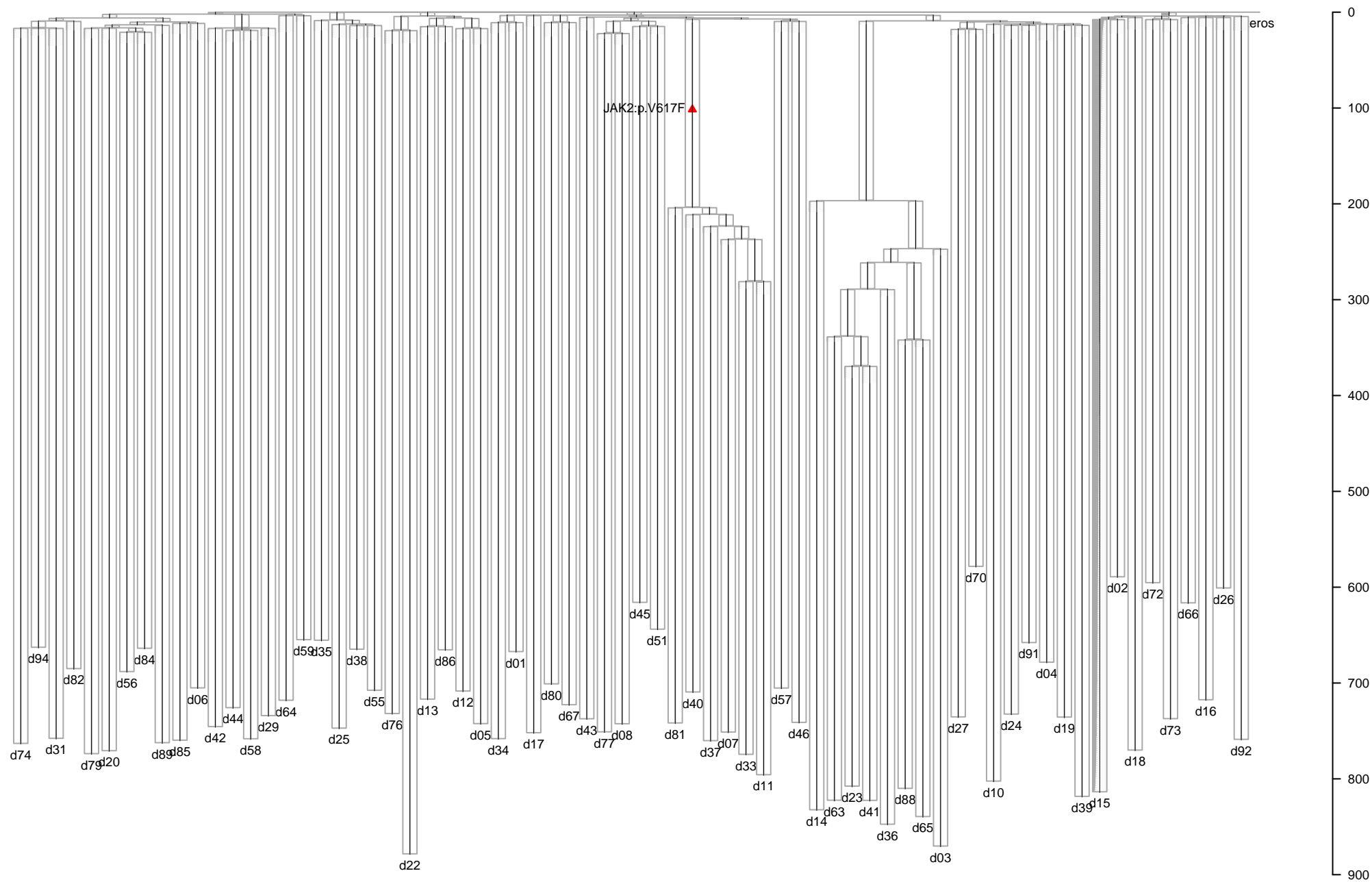
PD5163: Annotated with VAF from d19
Mean Depth=18.56



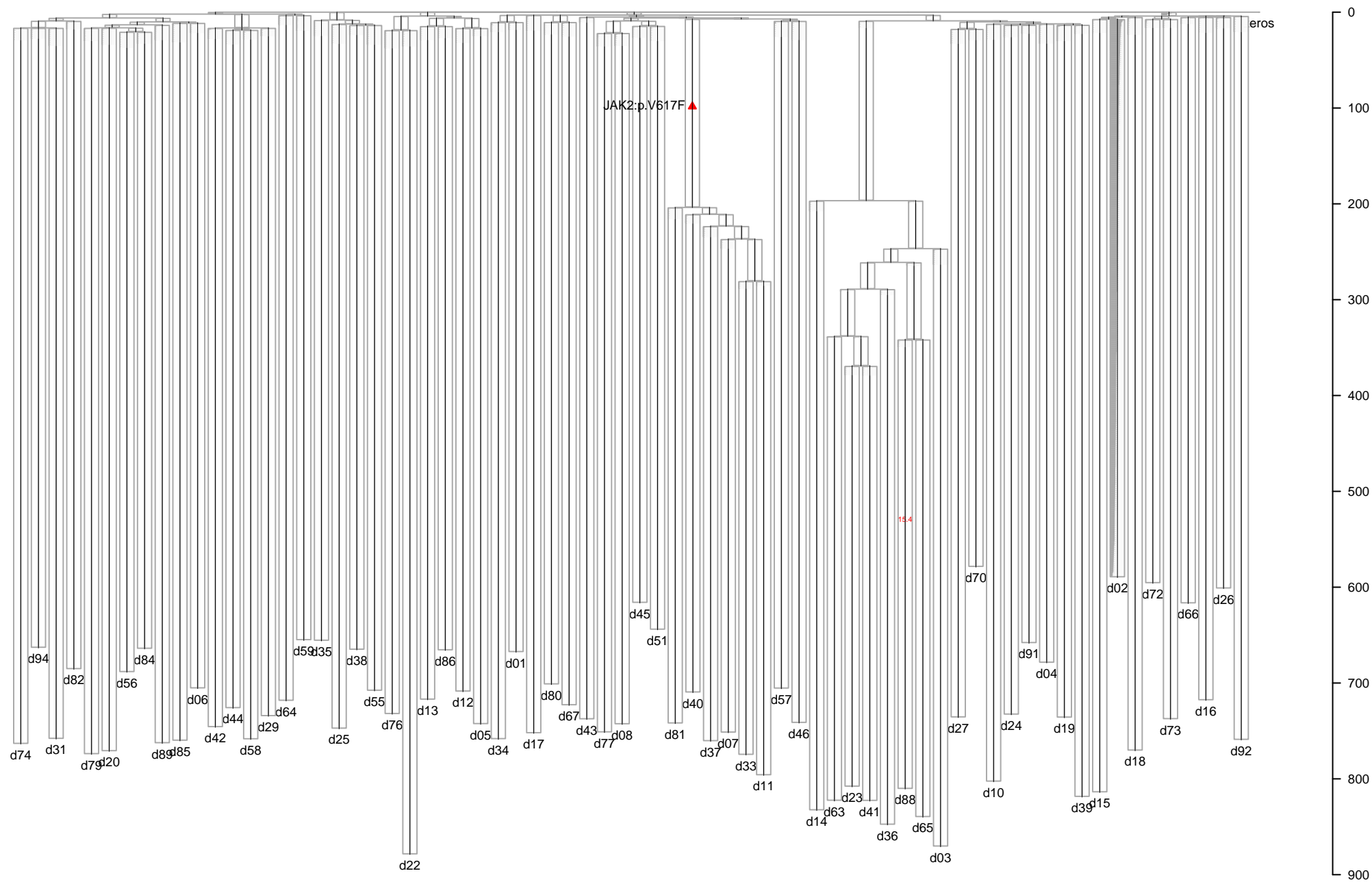
PD5163: Annotated with VAF from d39
Mean Depth=17.46



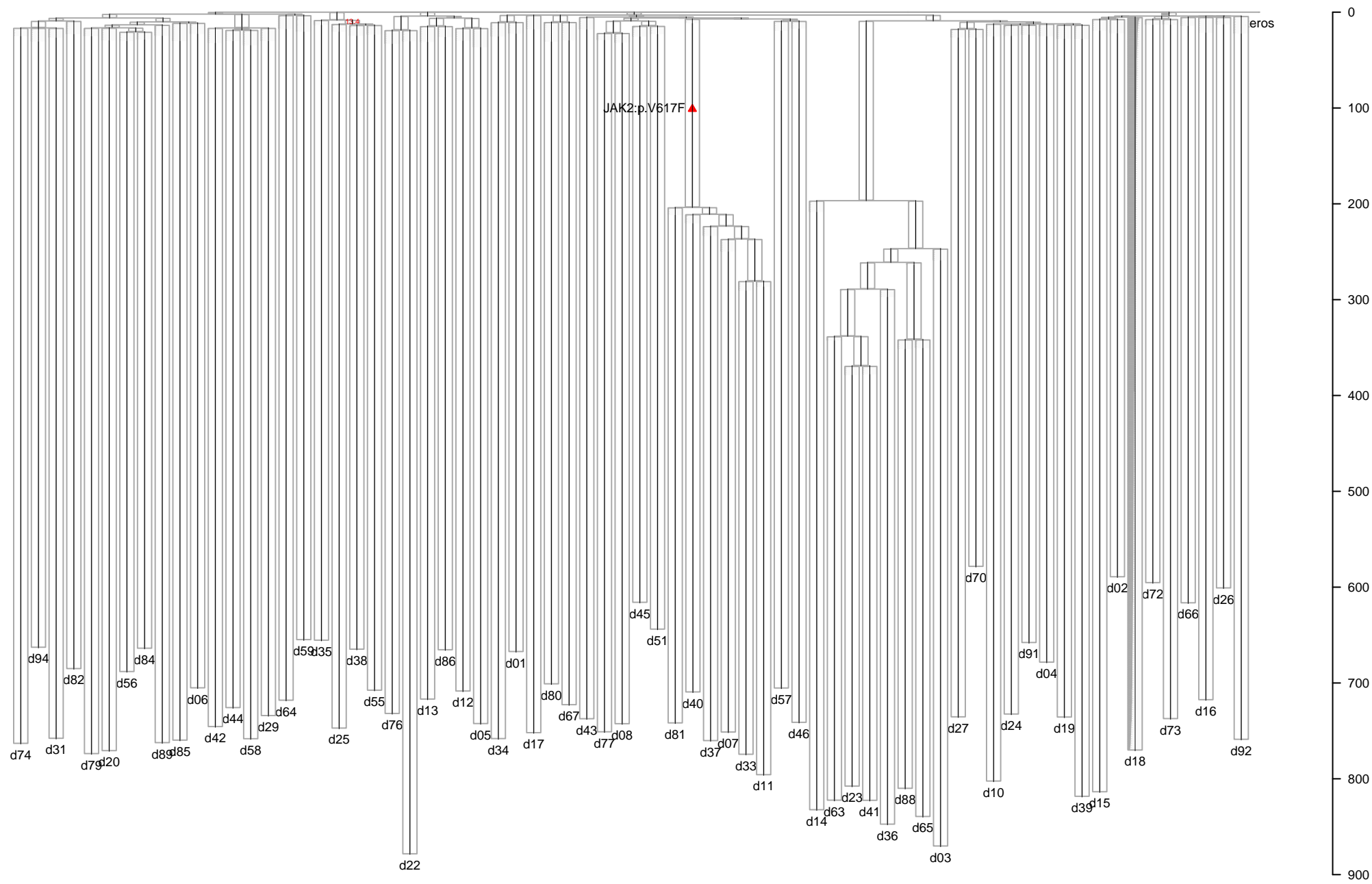
PD5163: Annotated with VAF from d15
Mean Depth=18.85



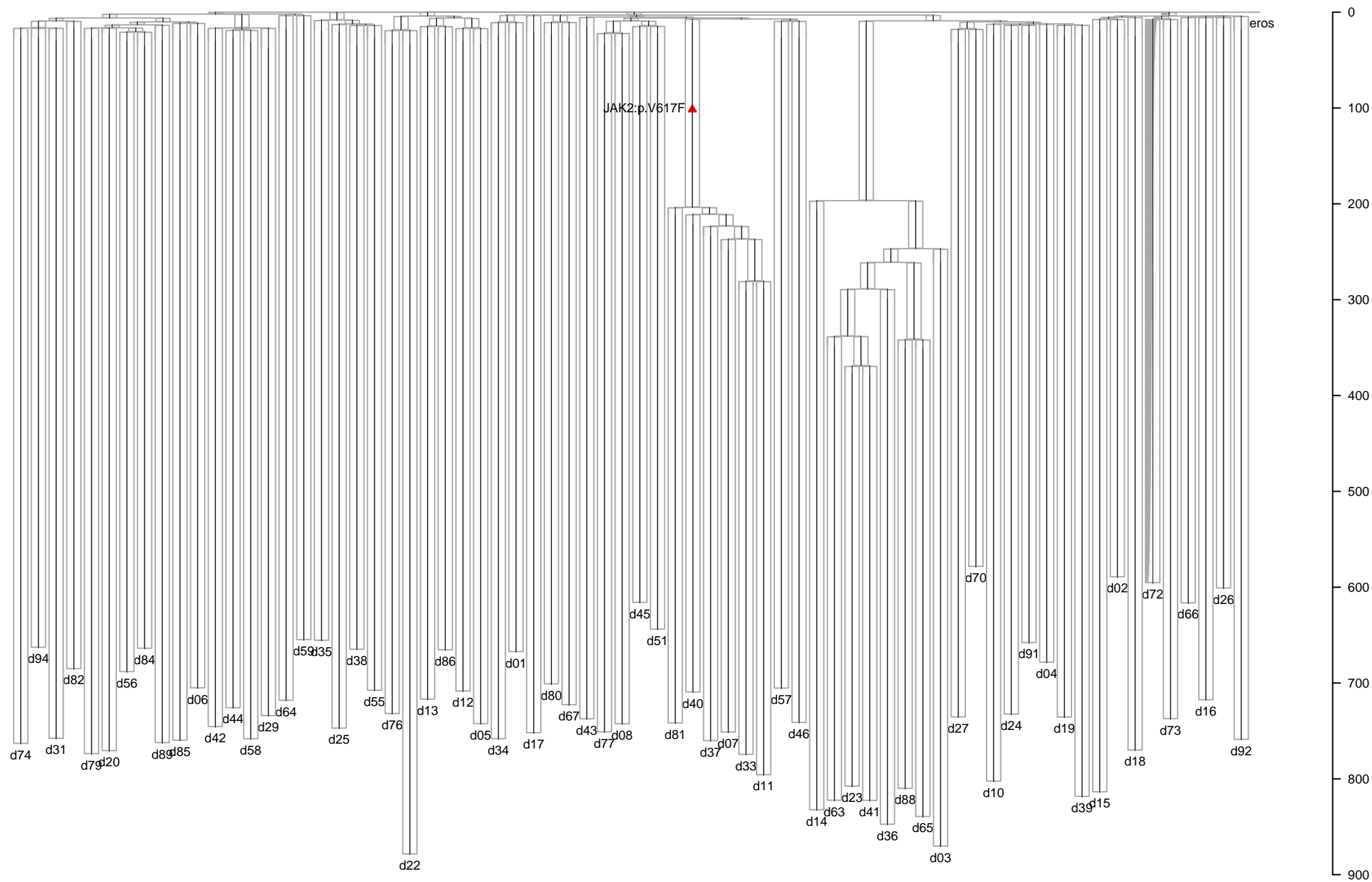
PD5163: Annotated with VAF from d02
Mean Depth=16.11



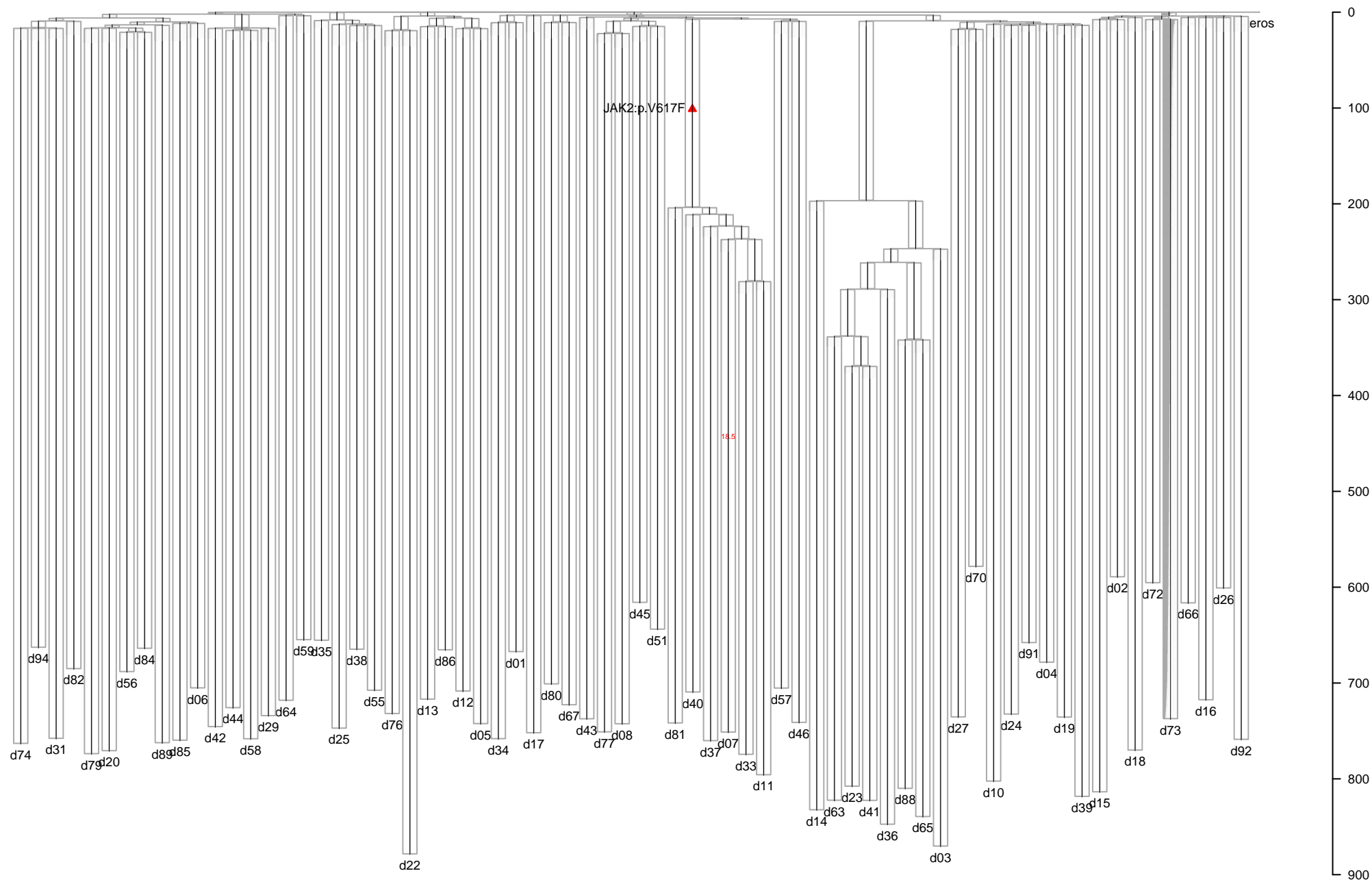
PD5163: Annotated with VAF from d18
Mean Depth=20.49



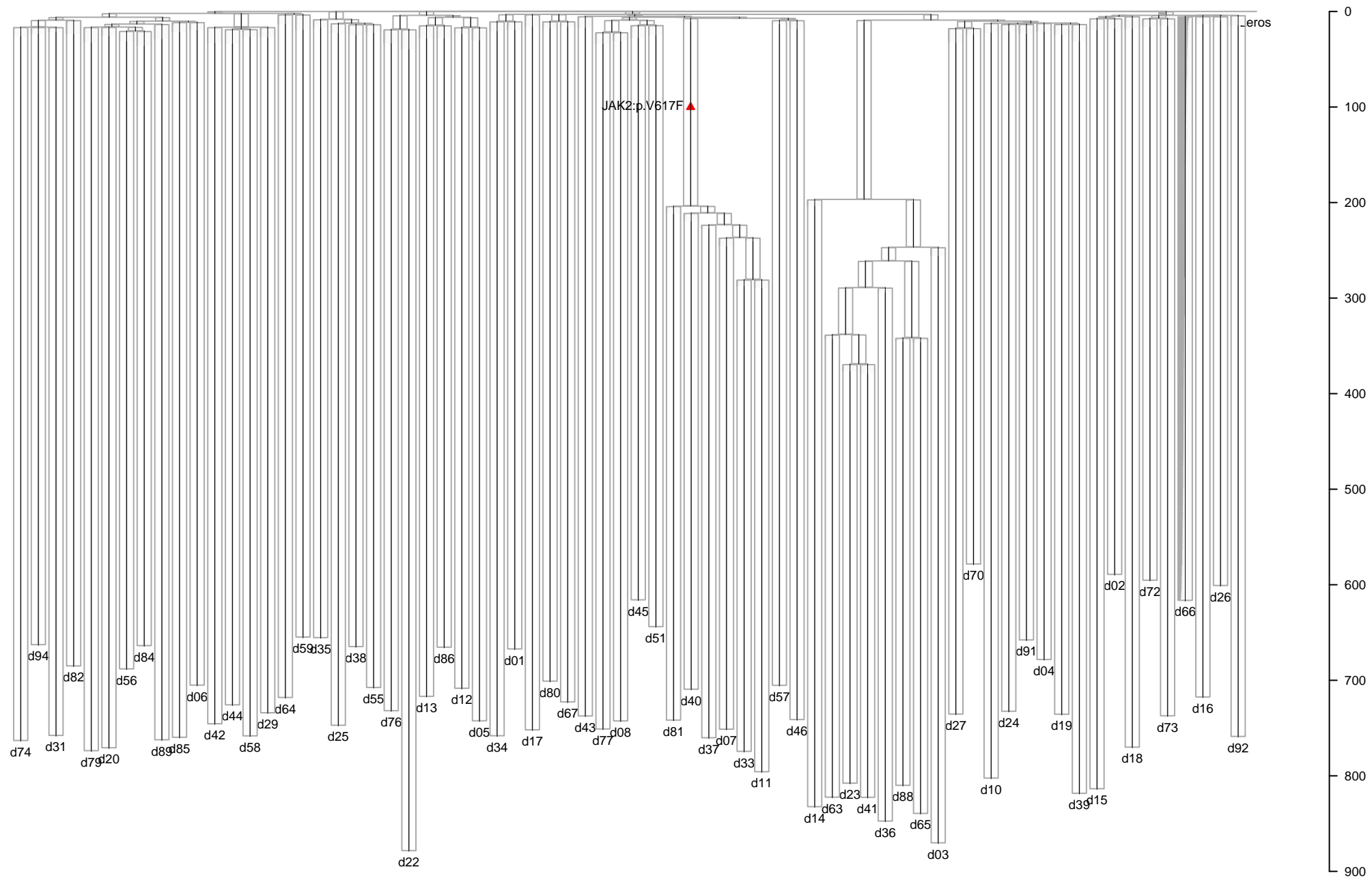
PD5163: Annotated with VAF from d72
Mean Depth=19.04



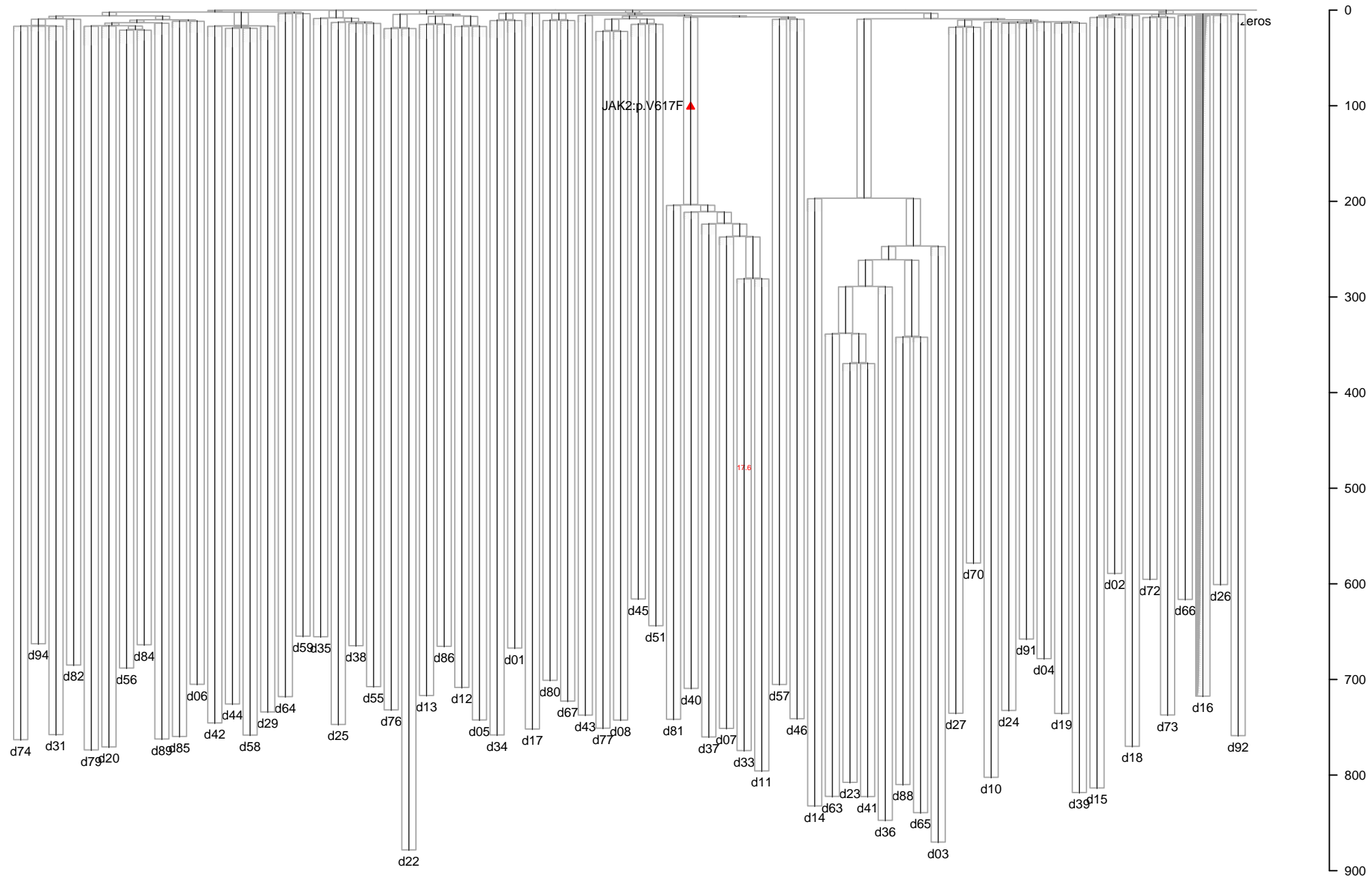
PD5163: Annotated with VAF from d73
Mean Depth=19.31



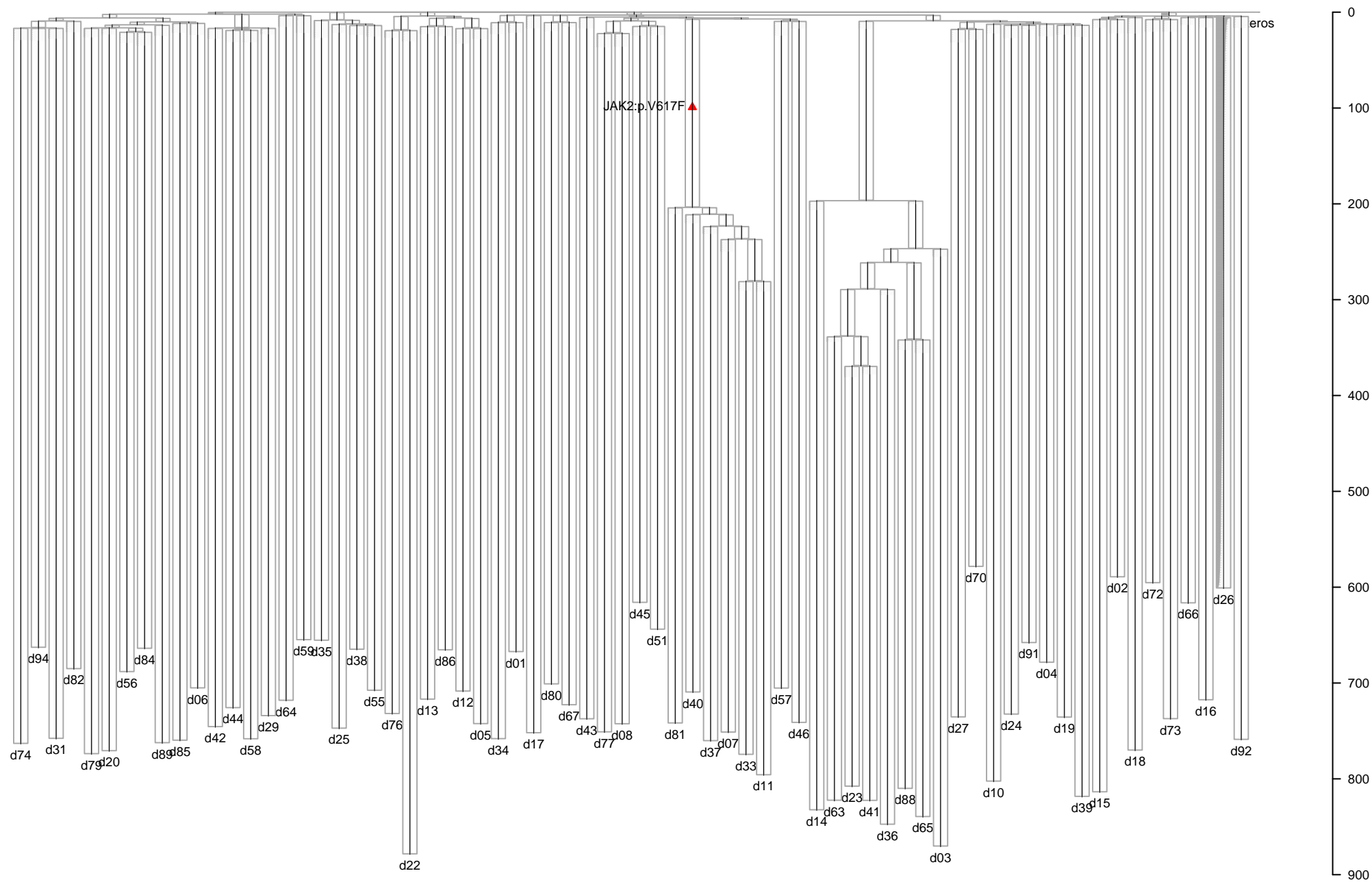
PD5163: Annotated with VAF from d66
Mean Depth=17.74



PD5163: Annotated with VAF from d16
Mean Depth=18.15



PD5163: Annotated with VAF from d26
Mean Depth=22.55



PD5163: Annotated with VAF from d92
Mean Depth=41.85

