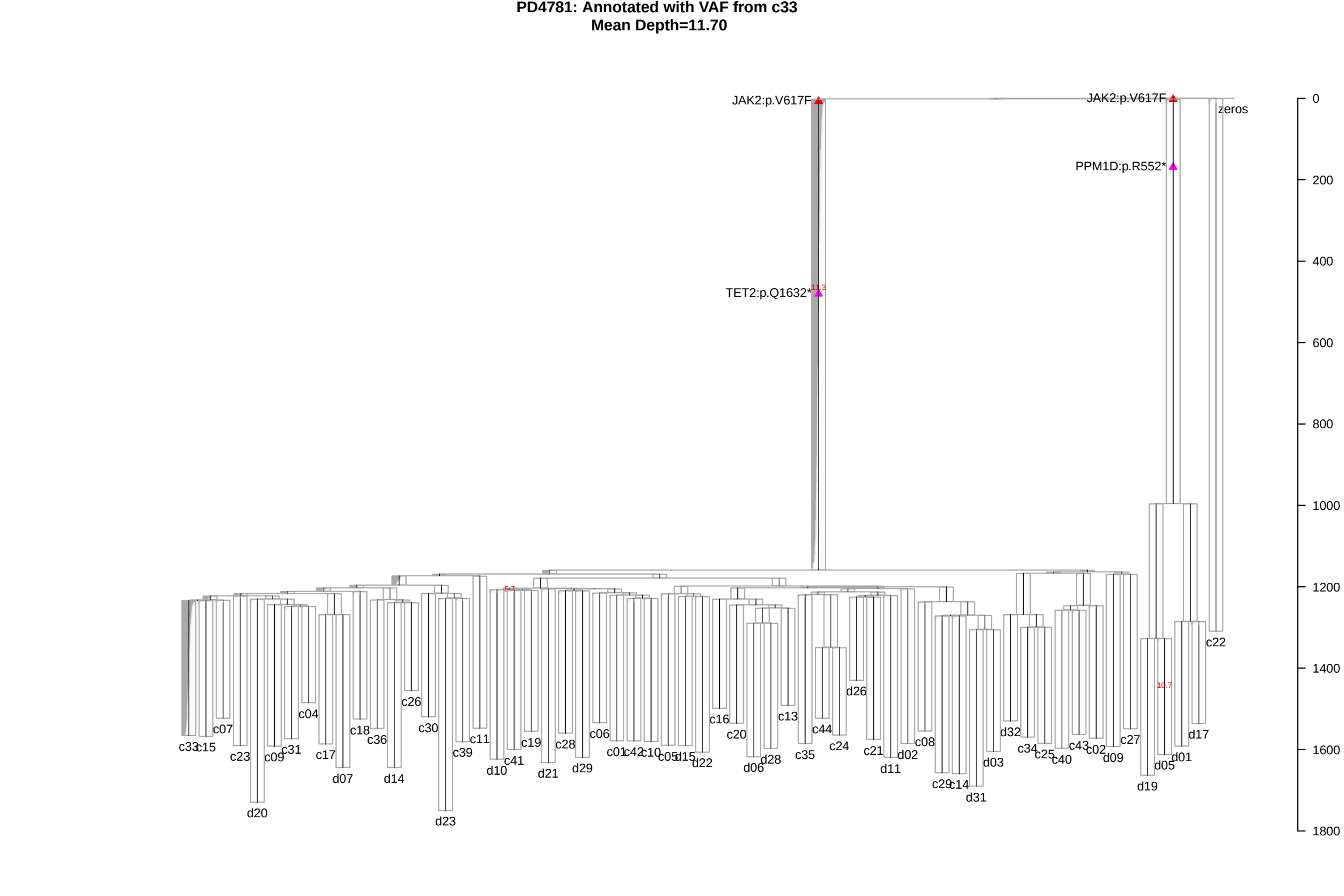
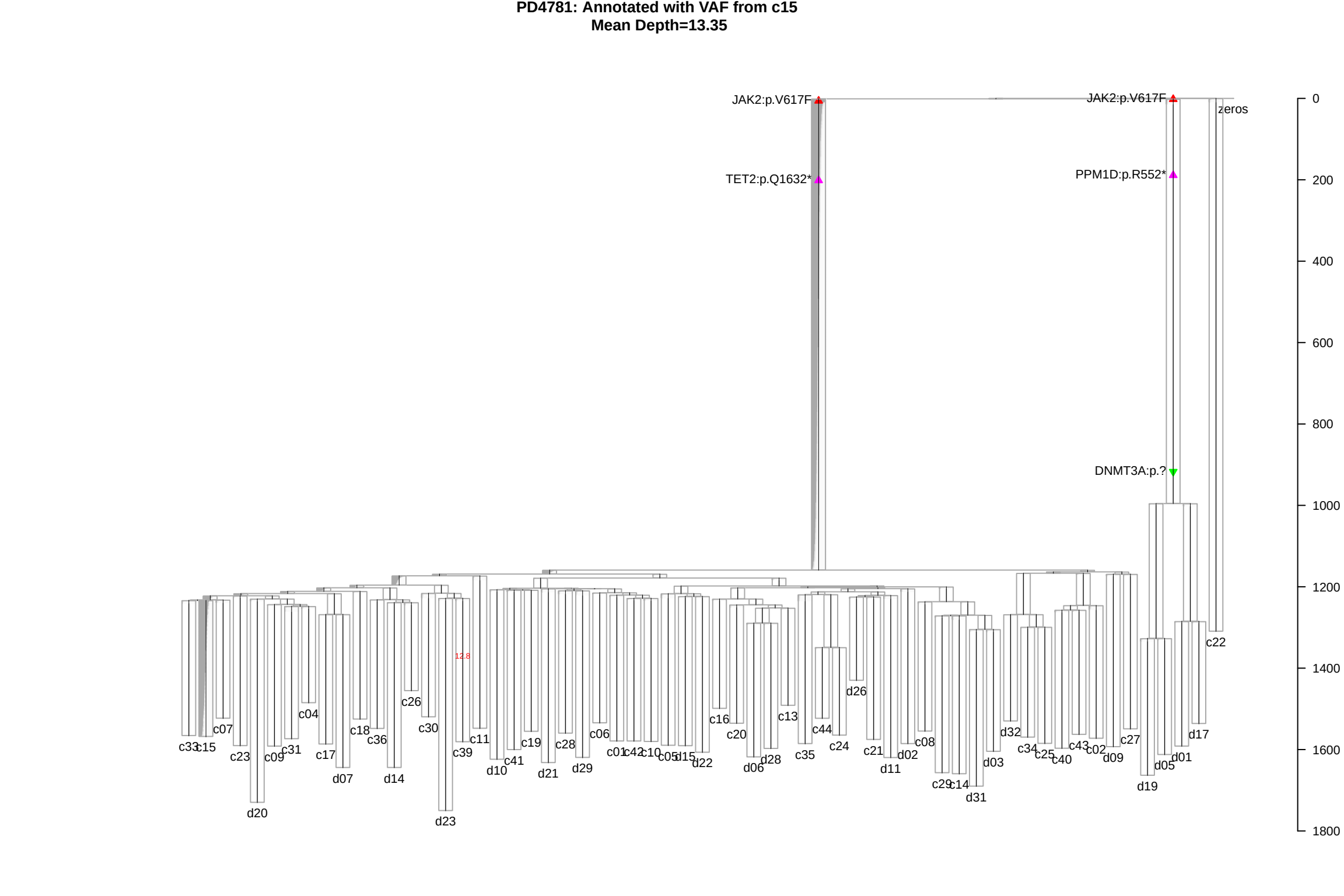
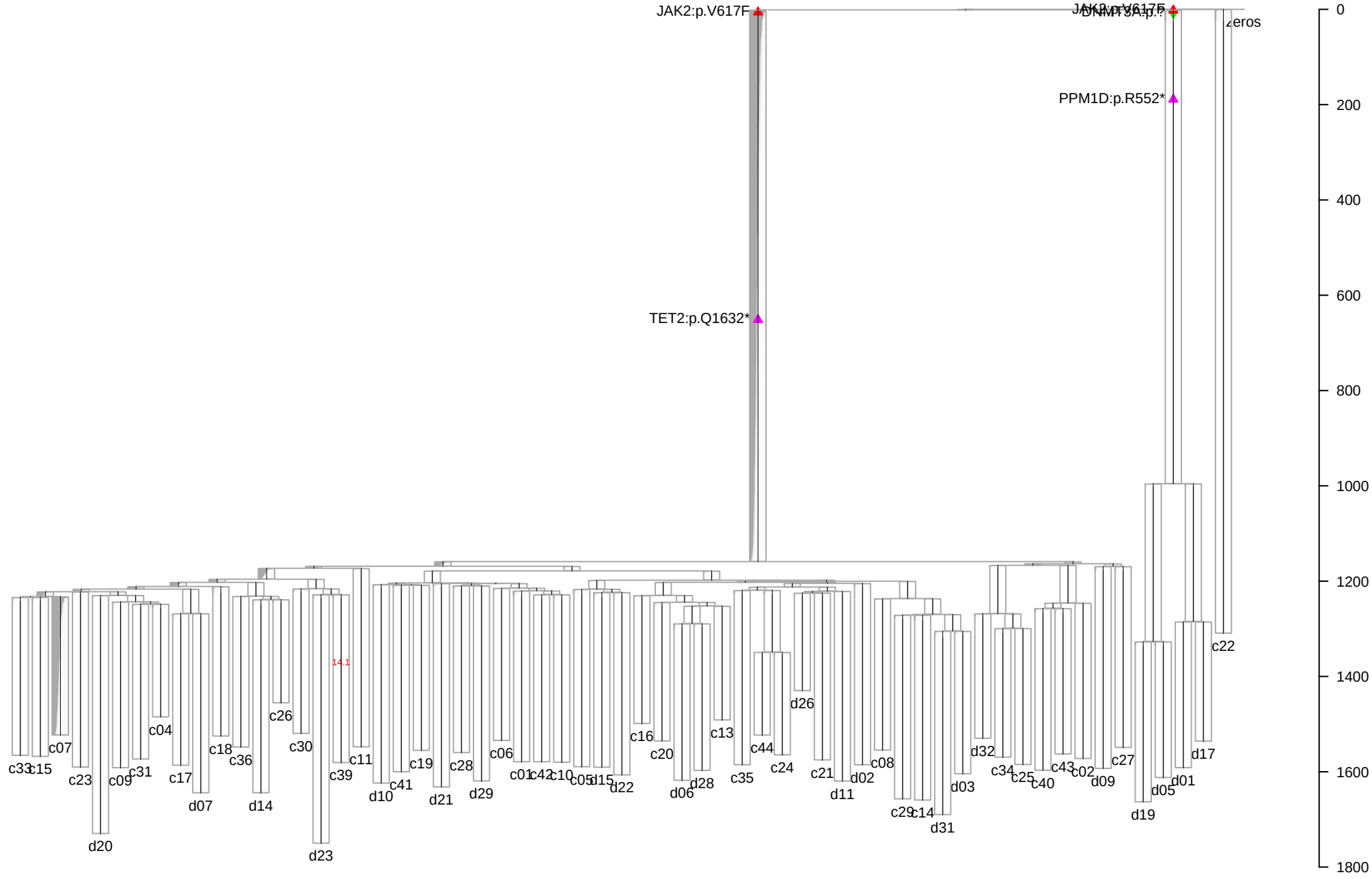
Tree By Colony Quality Assessment

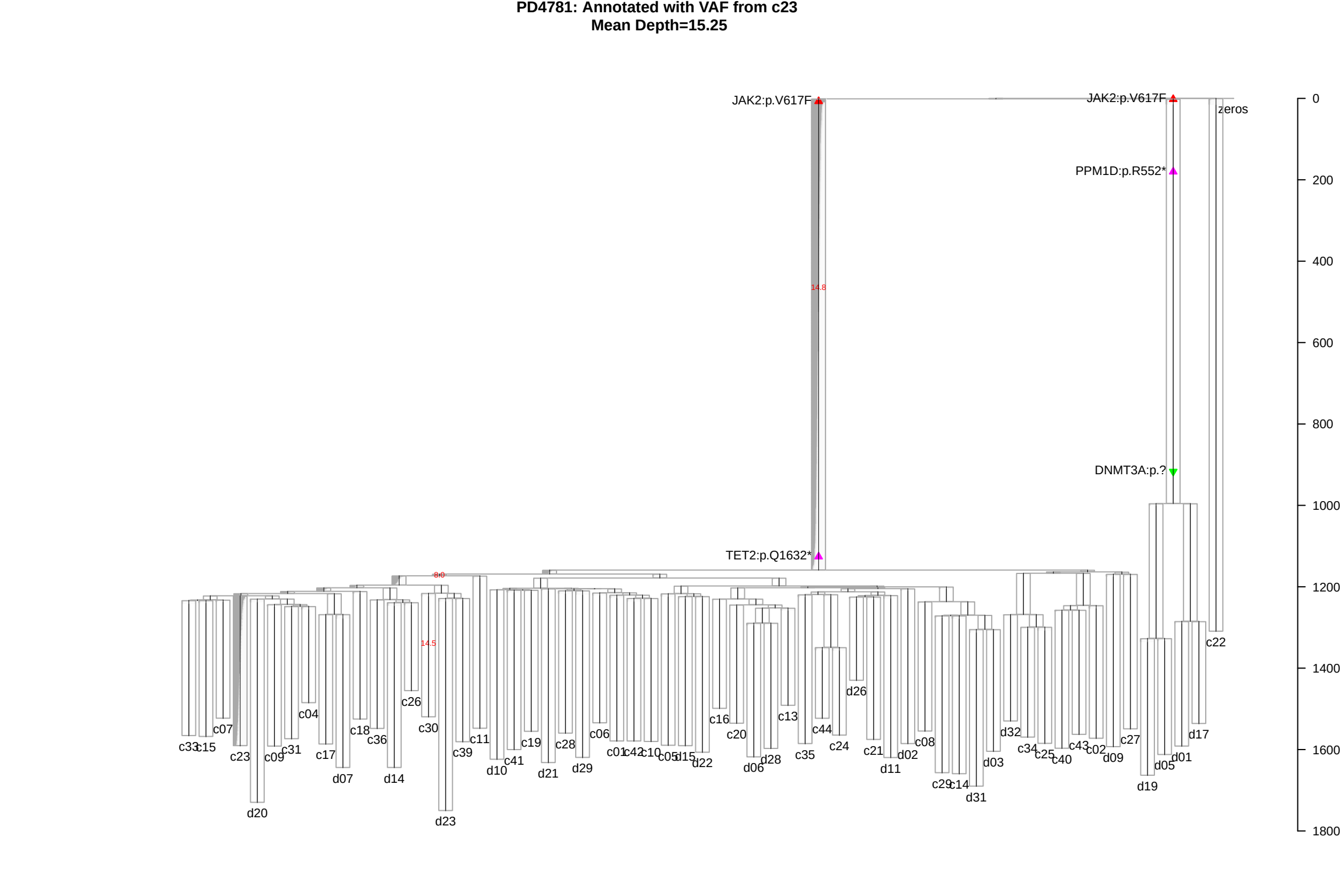
This file reports the VAF distribution of the variants assigned to each branch on a per colony basis. This allows one to 'walk through' the trees on a per colony basis to visualise both the branch placement and VAF of all the variants present in that single colony with respect to the rest of the tree. 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 $p<0.05$/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.

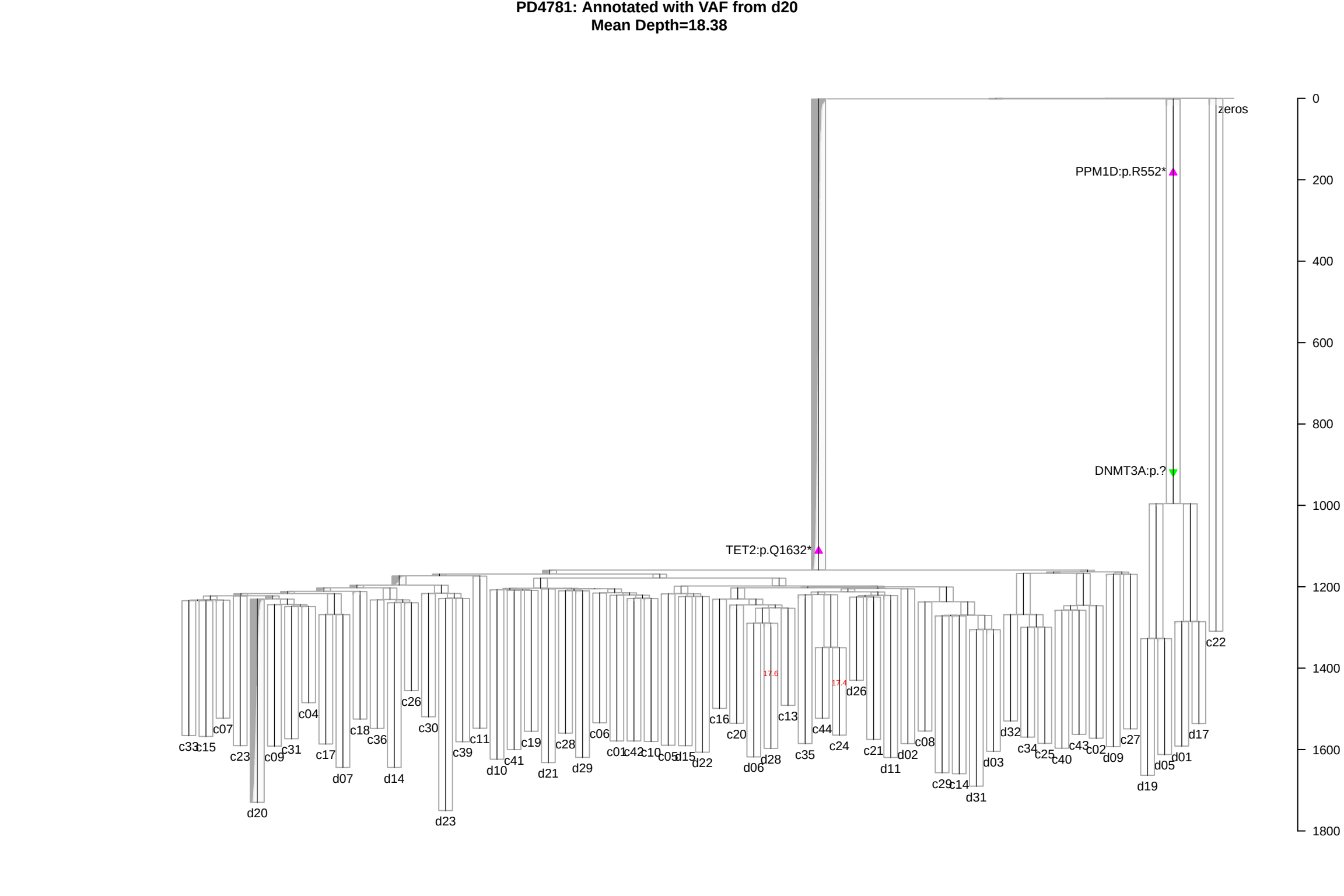

PD4781: Annotated with VAF from c33
Mean Depth=11.70
JAK2:p.V617F
TET2:p.Q1632*
11.3
JAK2:p.V617F
PPM1D:p.R552*
zeros
10.7
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22
0
200
400
600
800
1000
1200
1400
1600
1800

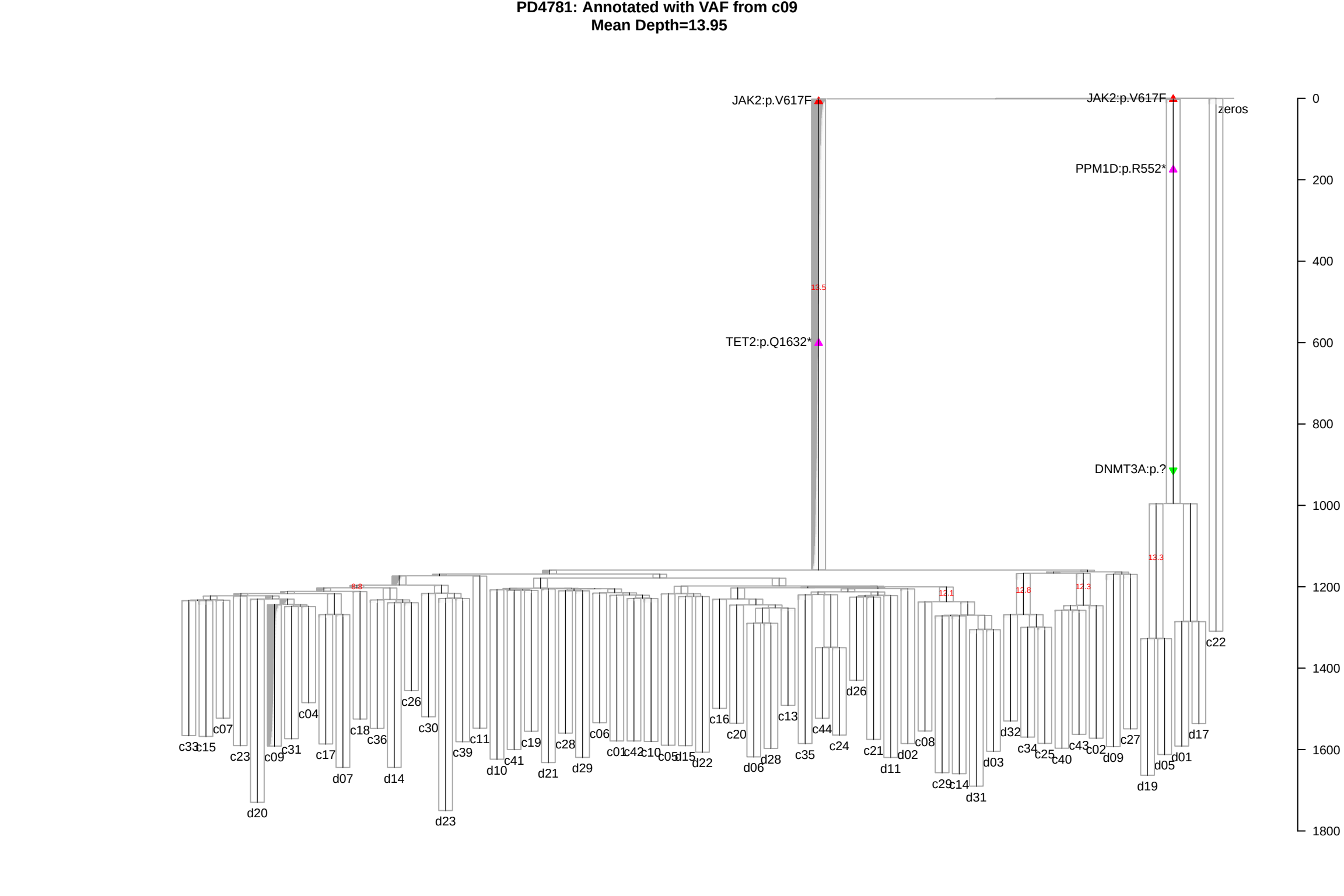

PD4781: Annotated with VAF from c15
Mean Depth=13.35
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
12.8
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
c26
c21
c02
c08
c32
c34
c25
c40
c43
c02
c09
c27
c19
c05
d01
d17
d20
d07
d14
d23
d10
d21
d06
d28
c35
d11
d03
c14
d31

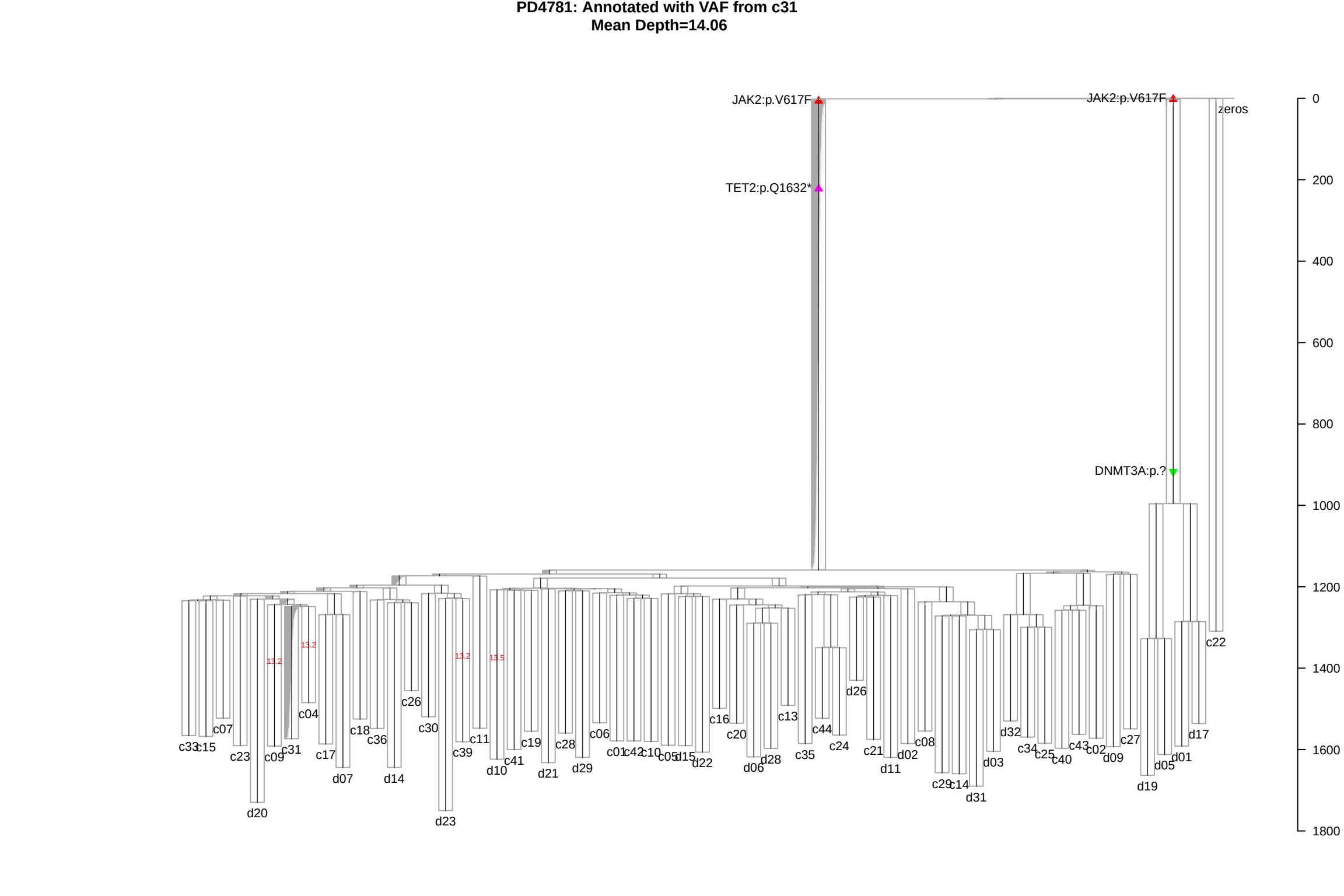
PD4781: Annotated with VAF from c07
Mean Depth=14.76



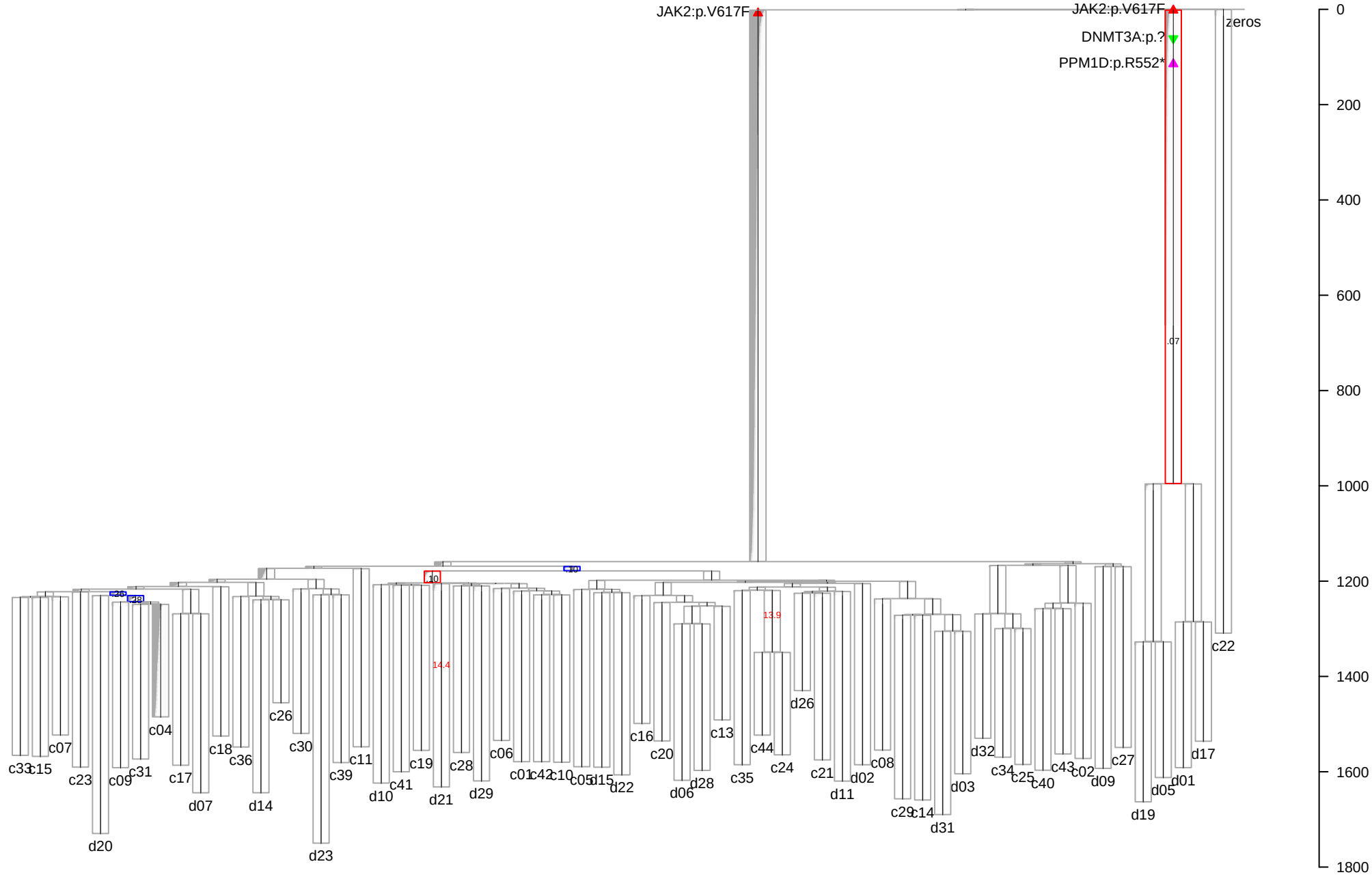

PD4781: Annotated with VAF from c23
Mean Depth=15.25
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
14.8
8.0
14.5
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22


PD4781: Annotated with VAF from d20
Mean Depth=18.38
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
17.6
d28
c13
c35
c44
17.4
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22
d20

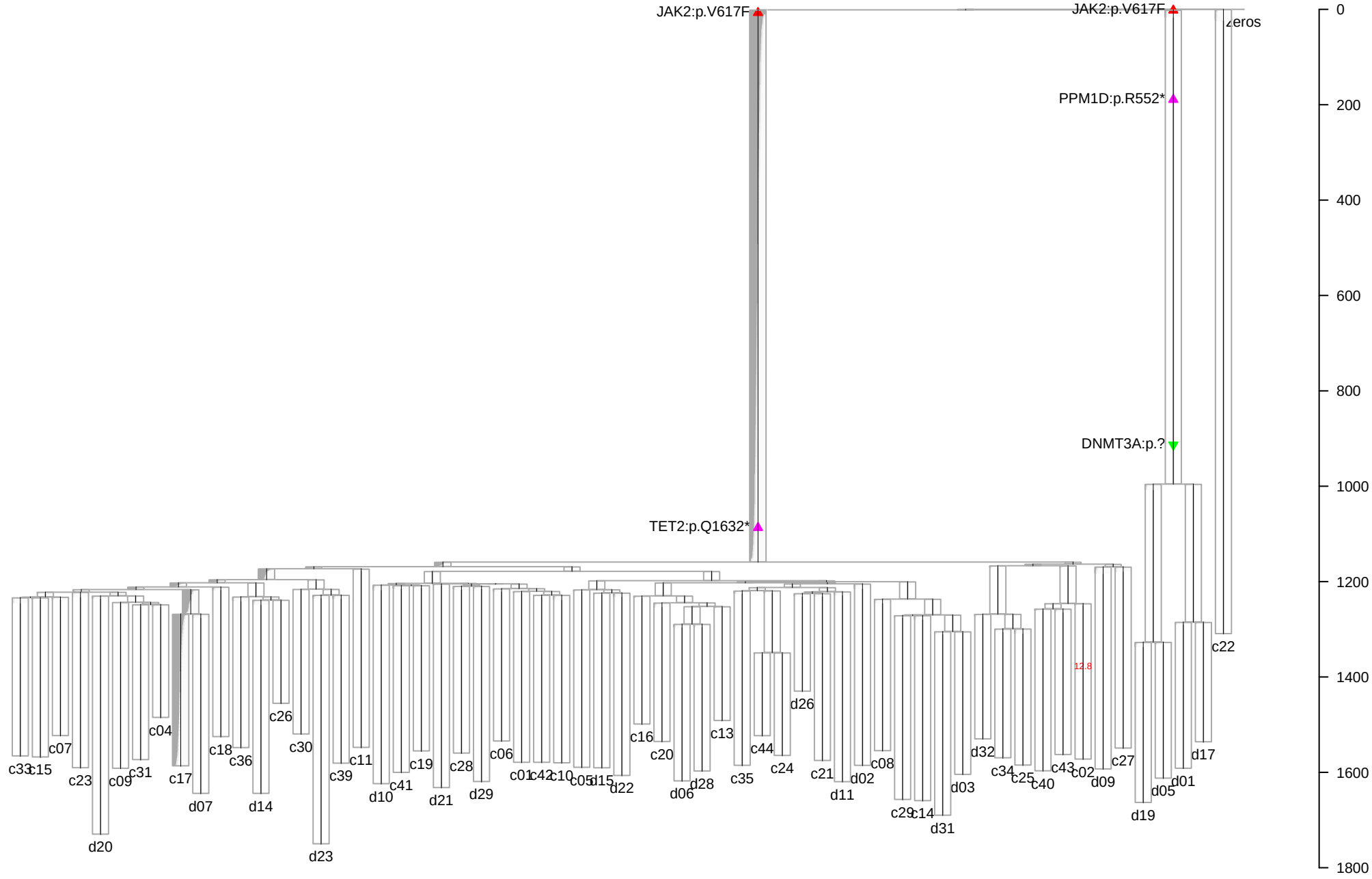

PD4781: Annotated with VAF from c09
Mean Depth=13.95
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
13.5
13.3
12.8
12.3
12.1
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

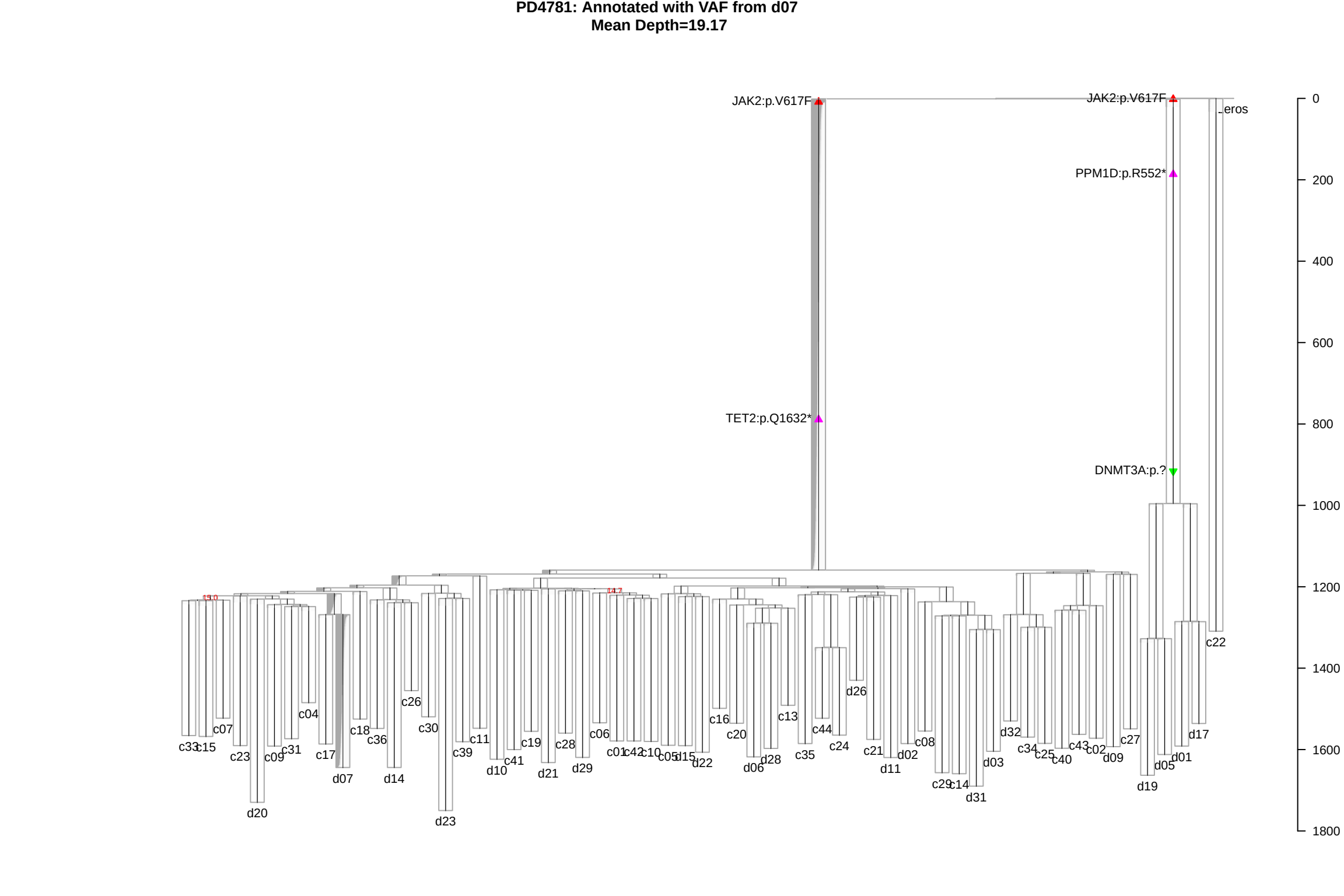

PD4781: Annotated with VAF from c31
Mean Depth=14.06
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
d20
c09
c31
13.2
13.2
c04
c17
d07
c18
c36
d14
c26
c30
d23
13.2
c39
c11
13.5
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

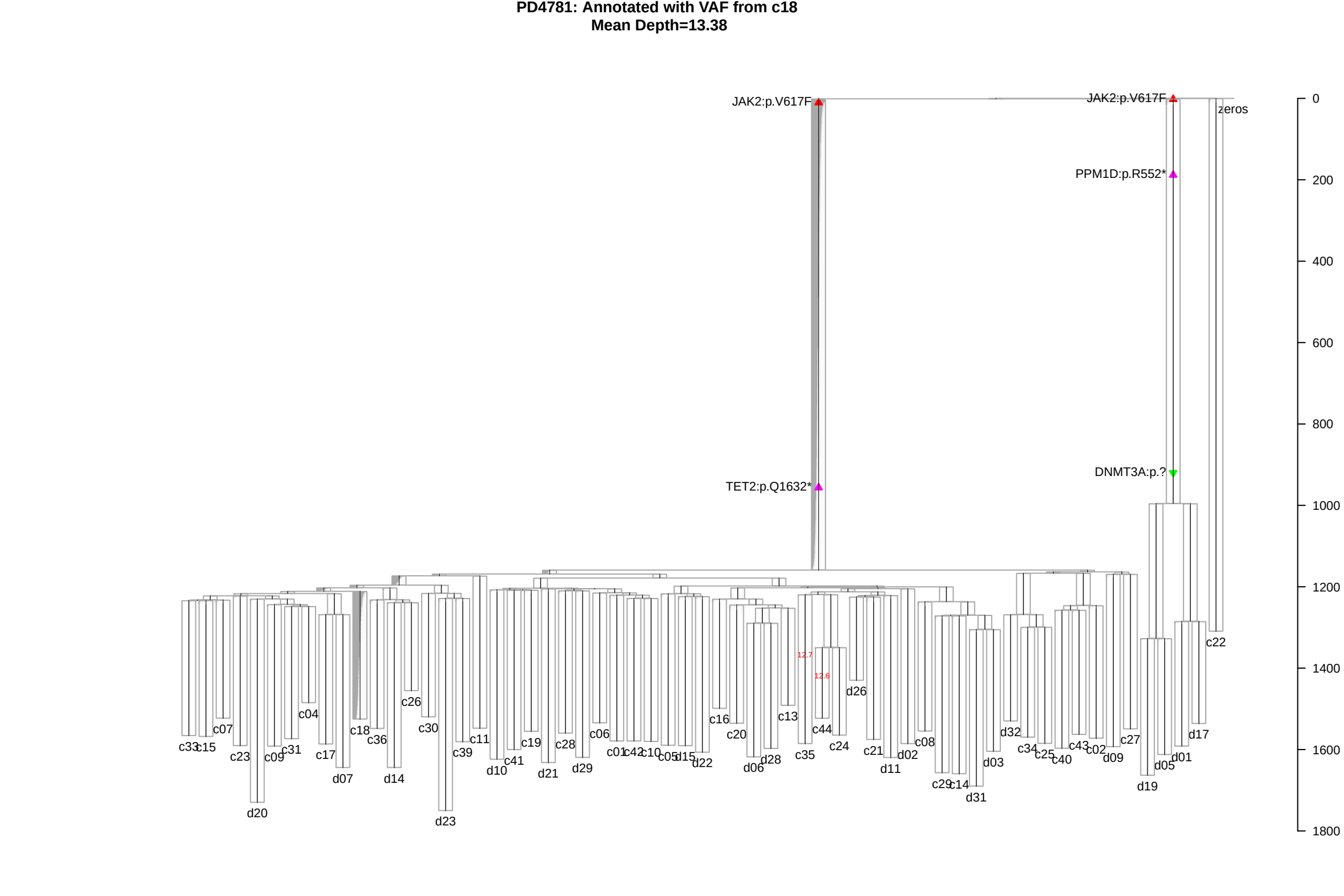
PD4781: Annotated with VAF from c04
Mean Depth=15.02



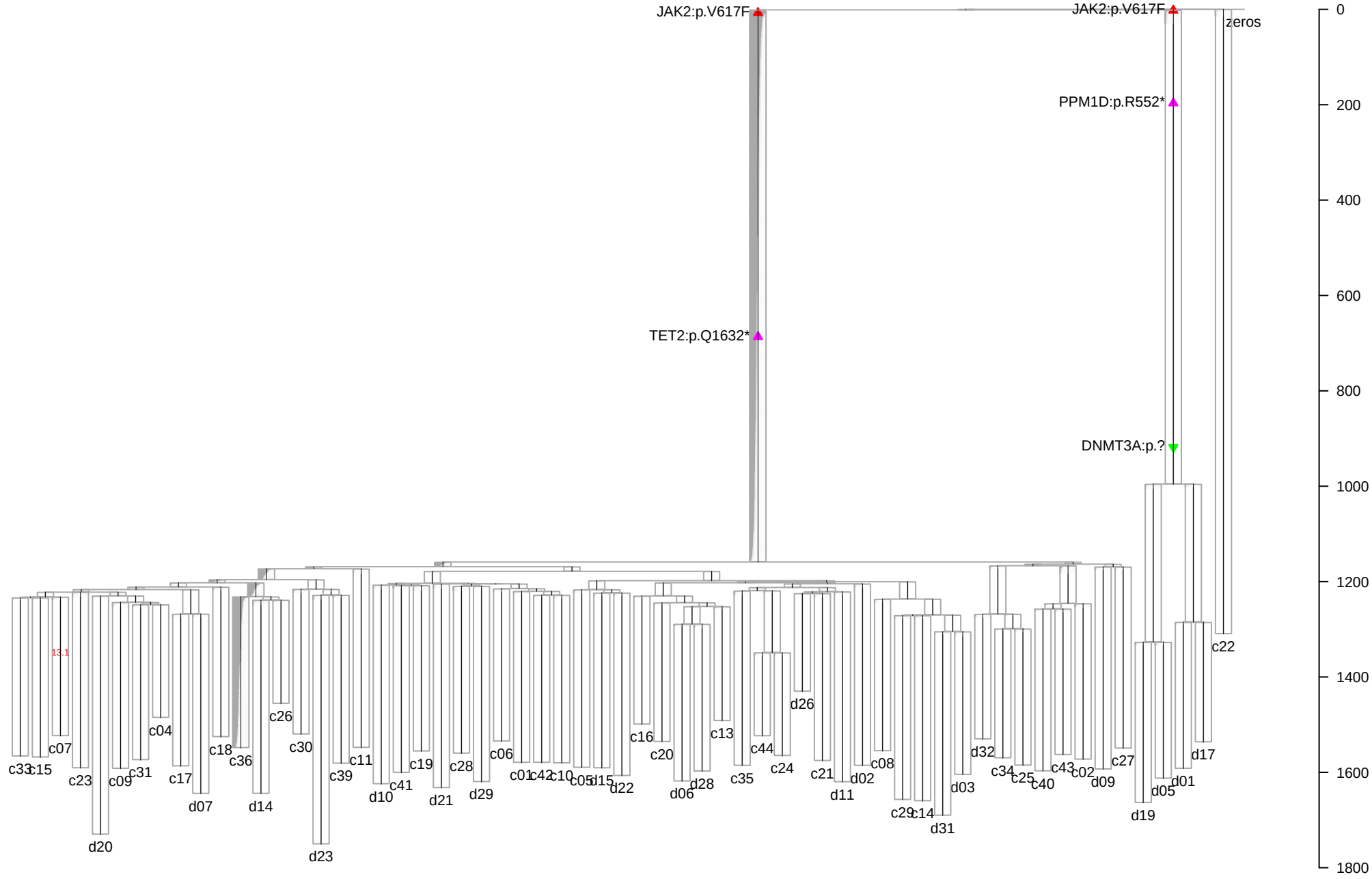
PD4781: Annotated with VAF from c17
Mean Depth=13.46

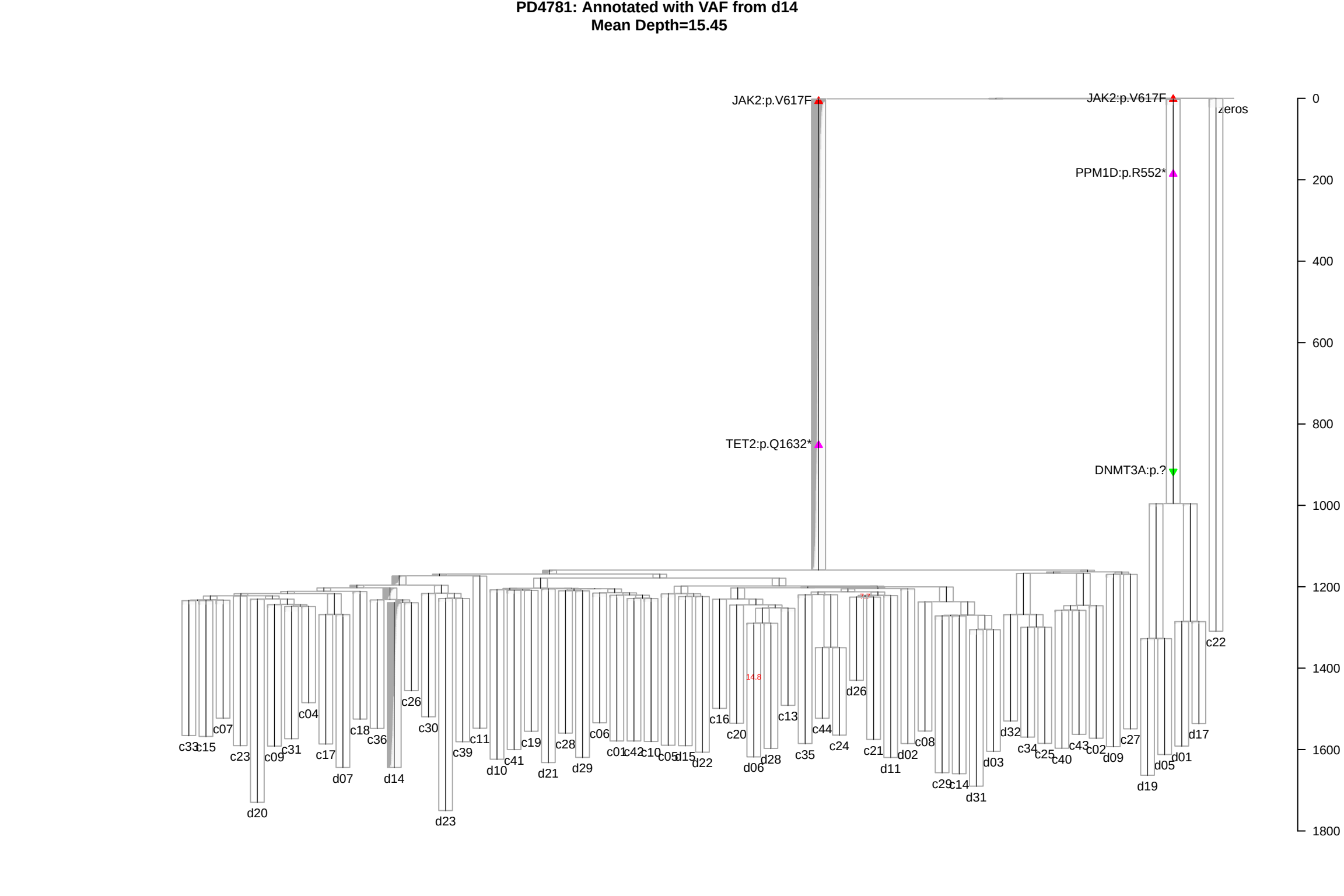


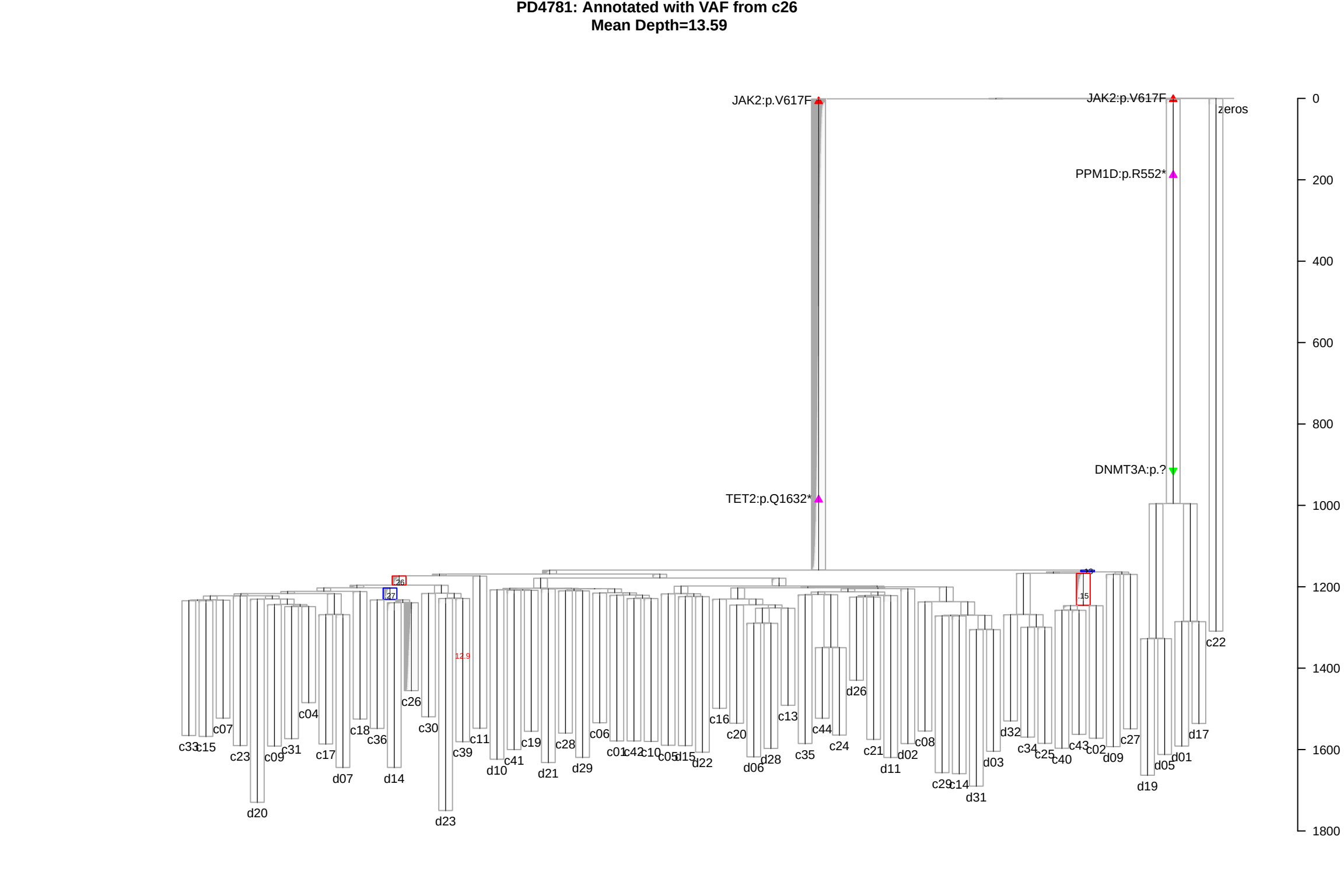

PD4781: Annotated with VAF from d07
Mean Depth=19.17
JAK2:p.V617F
JAK2:p.V617F
eros
PPM1D:p.R552*
TET2:p.Q1632*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
d15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

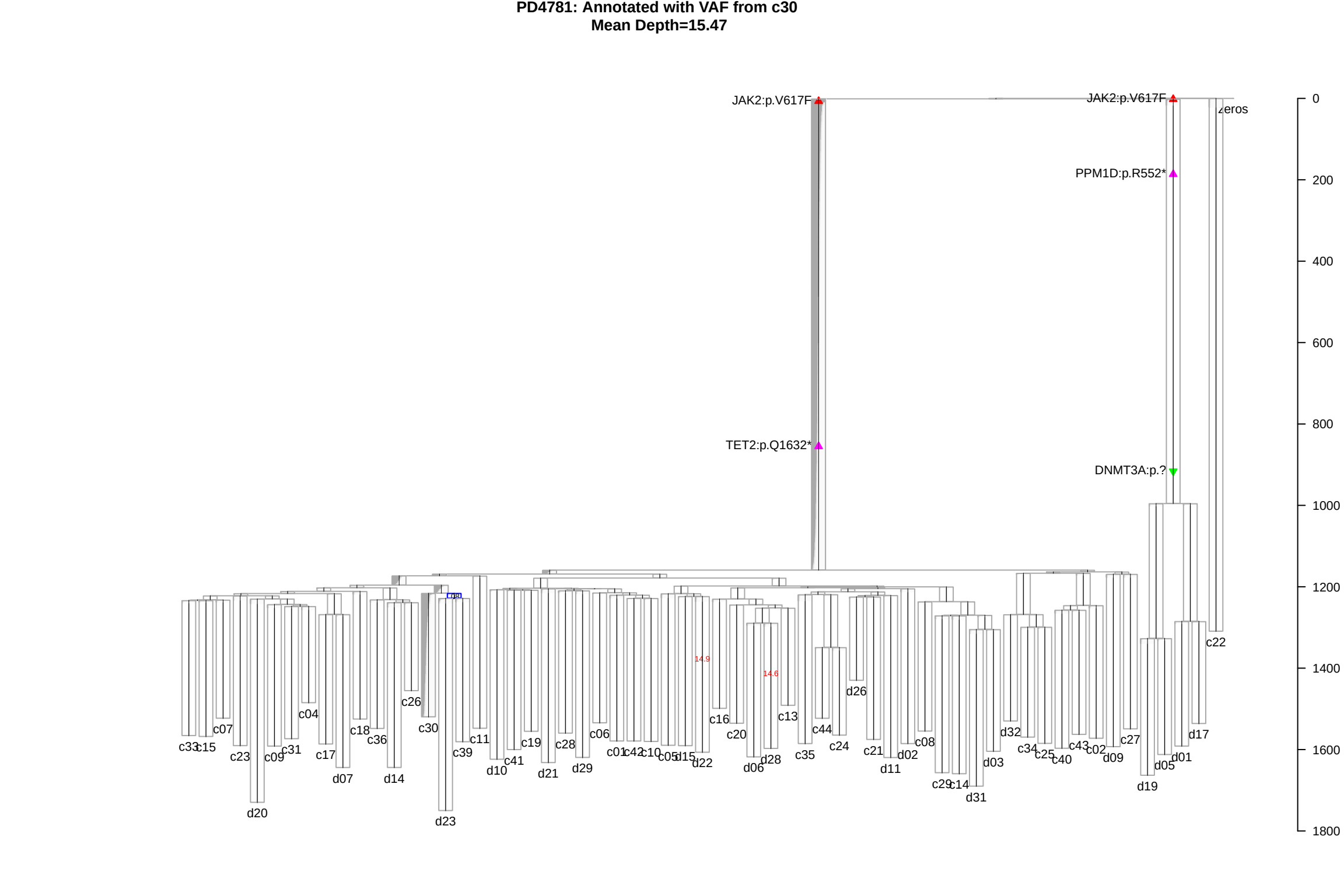

PD4781: Annotated with VAF from c18
Mean Depth=13.38
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
d15
d22
c16
c20
d06
d28
c13
c35
12.7
12.6
c44
c24
d26
c21
d11
d02
c08
d03
c29
c14
d31
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

PD4781: Annotated with VAF from c36
Mean Depth=13.91




PD4781: Annotated with VAF from d14
Mean Depth=15.45
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
Zeros
0
200
400
600
800
1000
1200
1400
1600
1800
14.8
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
c26
c21
c02
c08
c32
c34
c25
c40
c43
c02
c09
c27
c17
c05
d01
d17
d20
d07
d14
d23
d10
d21
d06
d28
d11
d03
d31
d19


PD4781: Annotated with VAF from c26
Mean Depth=13.59
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22


PD4781: Annotated with VAF from c30
Mean Depth=15.47
JAK2:p.V617F
JAK2:p.V617F
PPM1D:p.R552*
TET2:p.Q1632*
DNMT3A:p.?
14.9
14.6
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c28
c06
c01
c42
c10
c05
c15
c16
c20
c13
c44
c24
c26
c21
d02
c08
d32
c34
c25
c40
c43
c02
c27
d09
d17
d01
d05
d19
c22
d20
d07
d14
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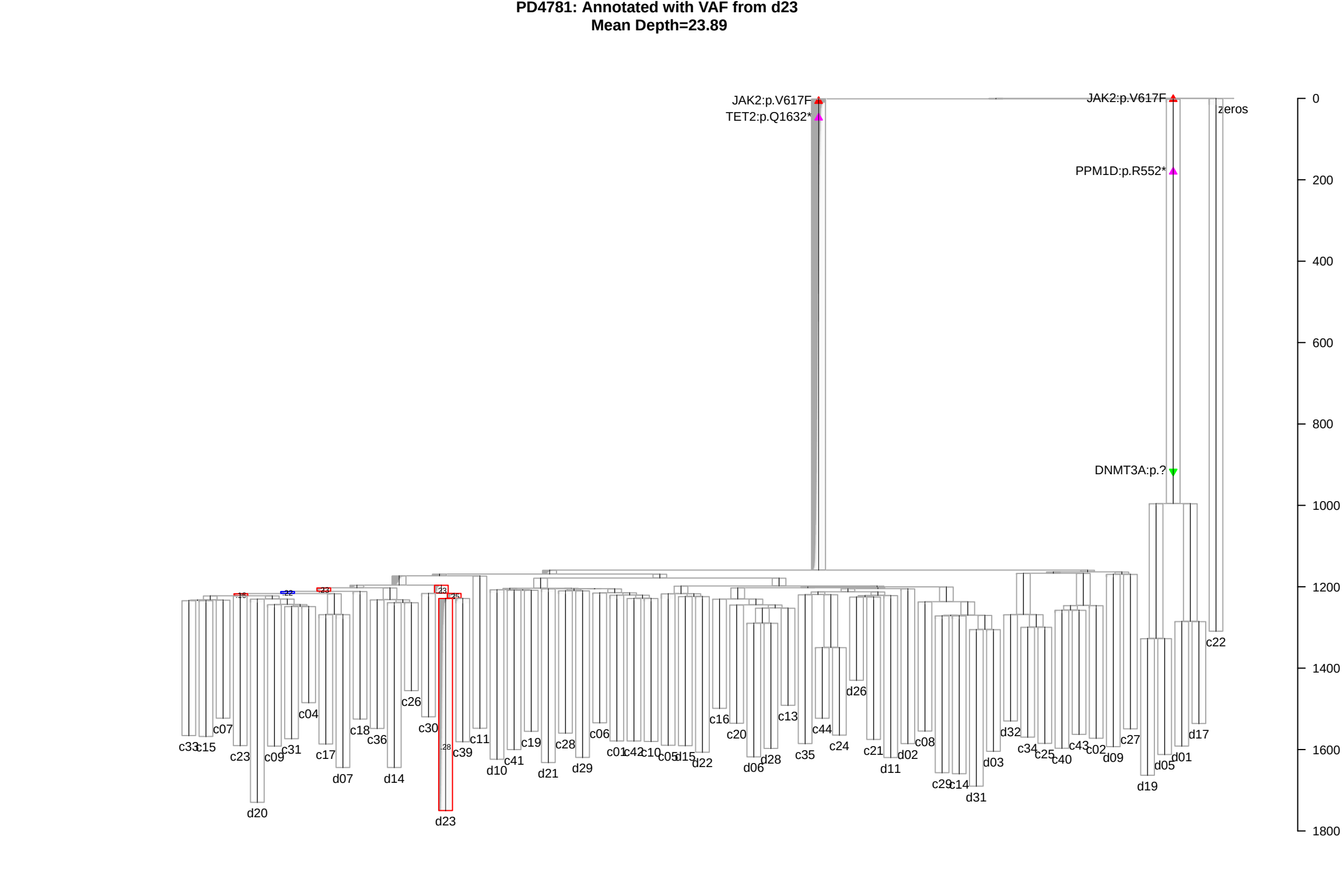
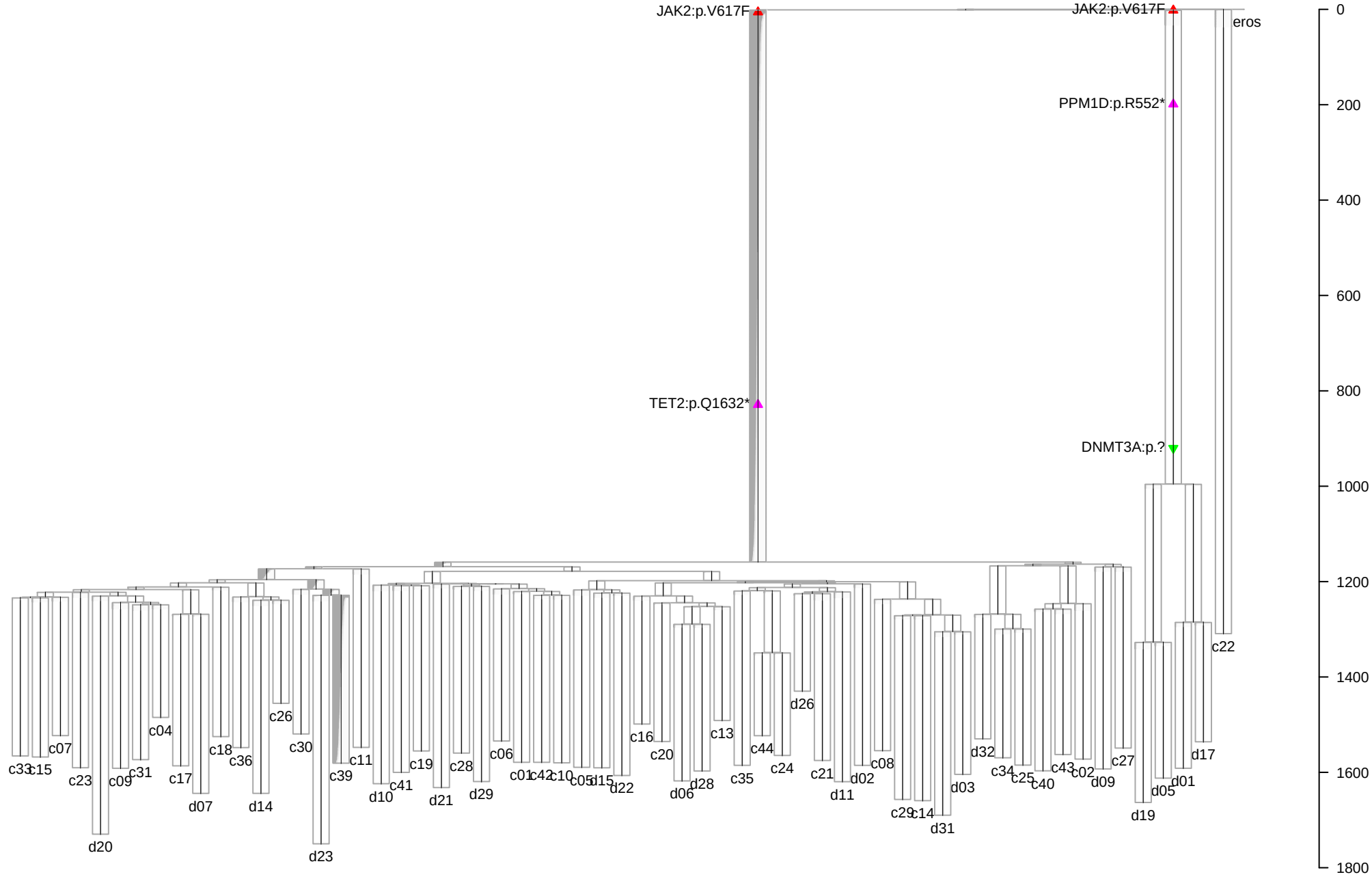
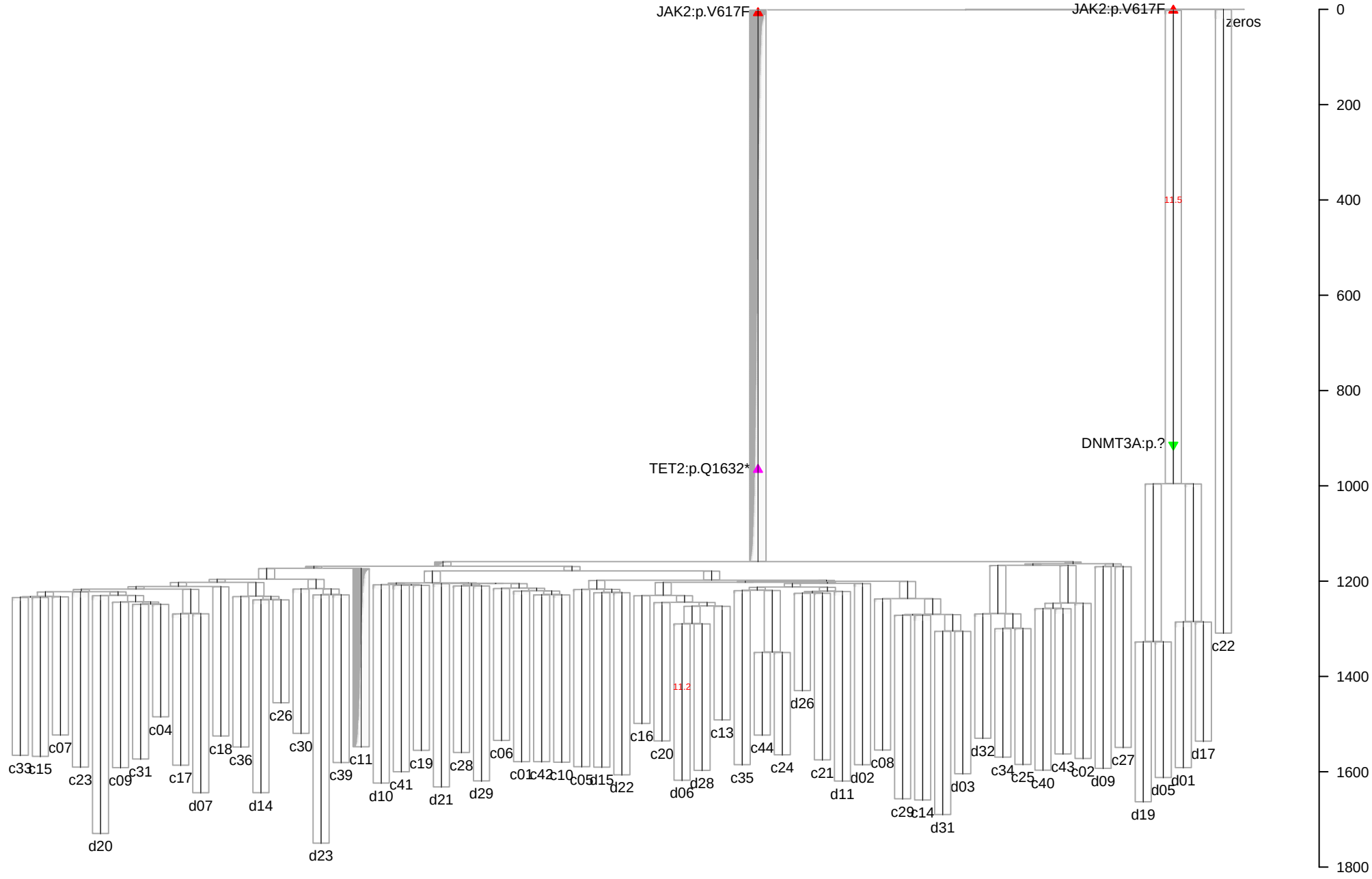
c41
d21
d29
d22
d06
d28
c35
d11
c29
c14
d31
d03


PD4781: Annotated with VAF from d23
Mean Depth=23.89
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
c39
d23
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

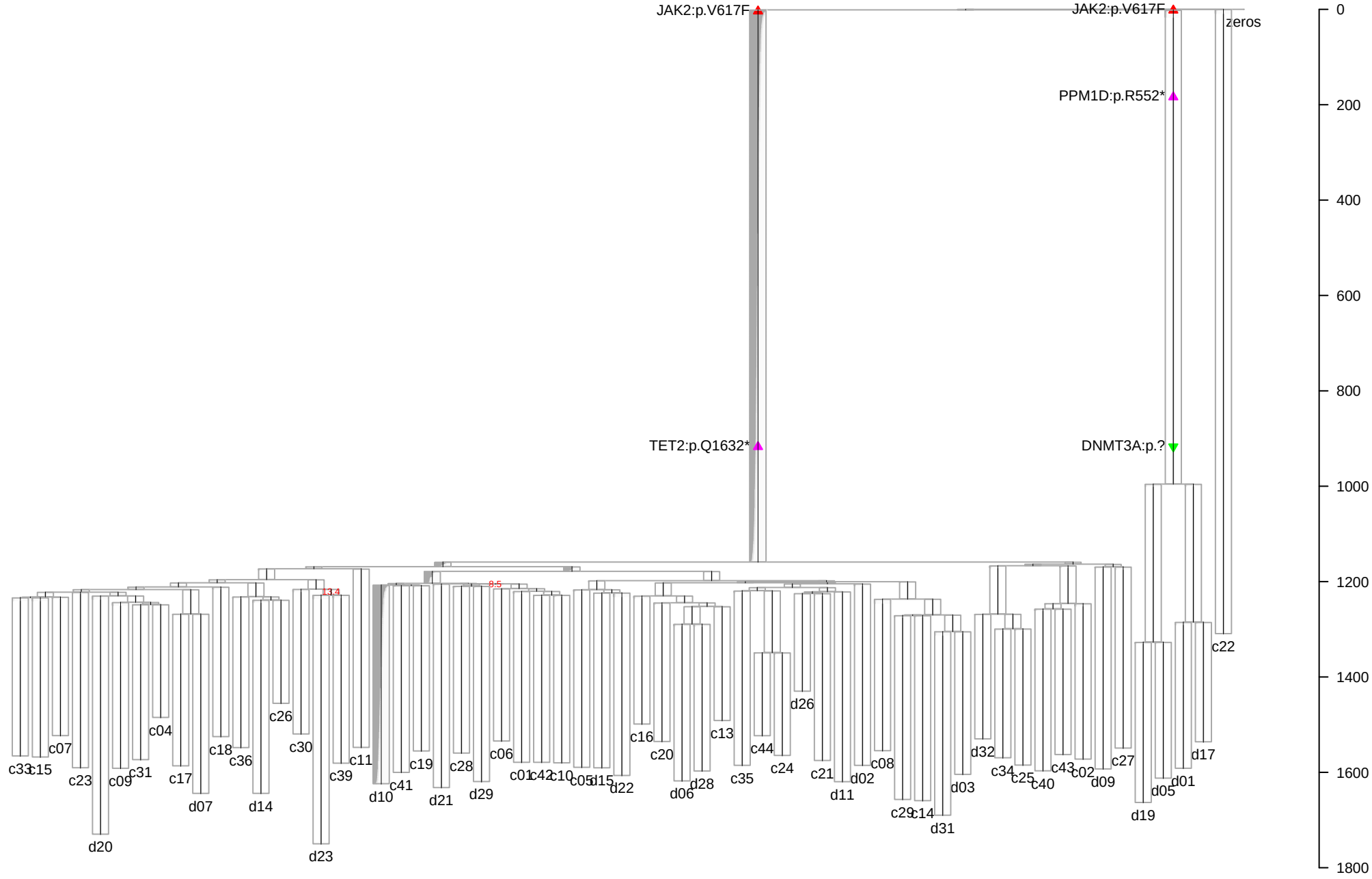
PD4781: Annotated with VAF from c39
Mean Depth=20.43

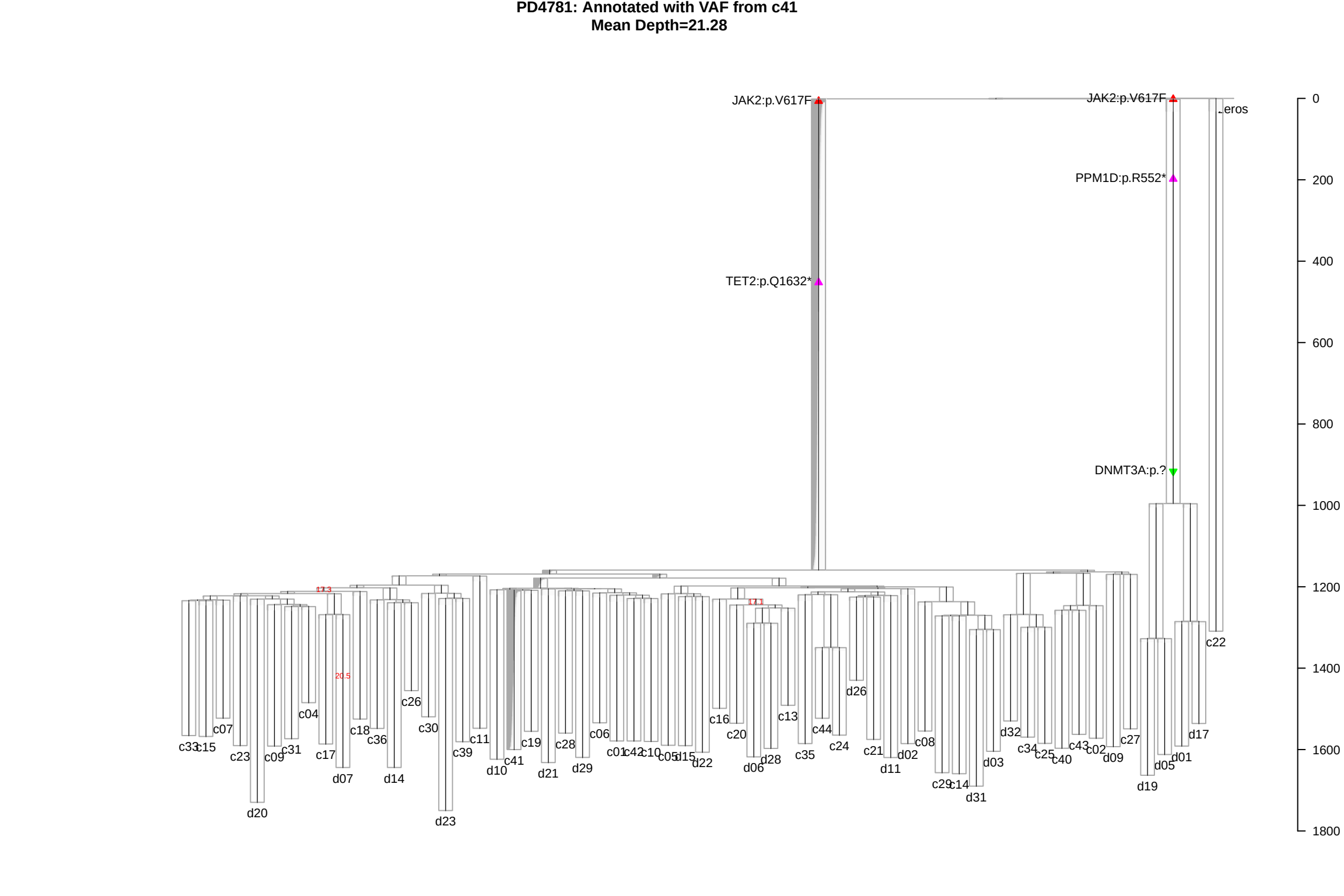


PD4781: Annotated with VAF from c11
Mean Depth=11.74



PD4781: Annotated with VAF from d10
Mean Depth=16.58




PD4781: Annotated with VAF from c41
Mean Depth=21.28
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
Zeros
0
200
400
600
800
1000
1200
1400
1600
1800
17.3
20.5
17.1
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
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c20
d06
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c13
c35
c44
c24
d26
c21
d11
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c08
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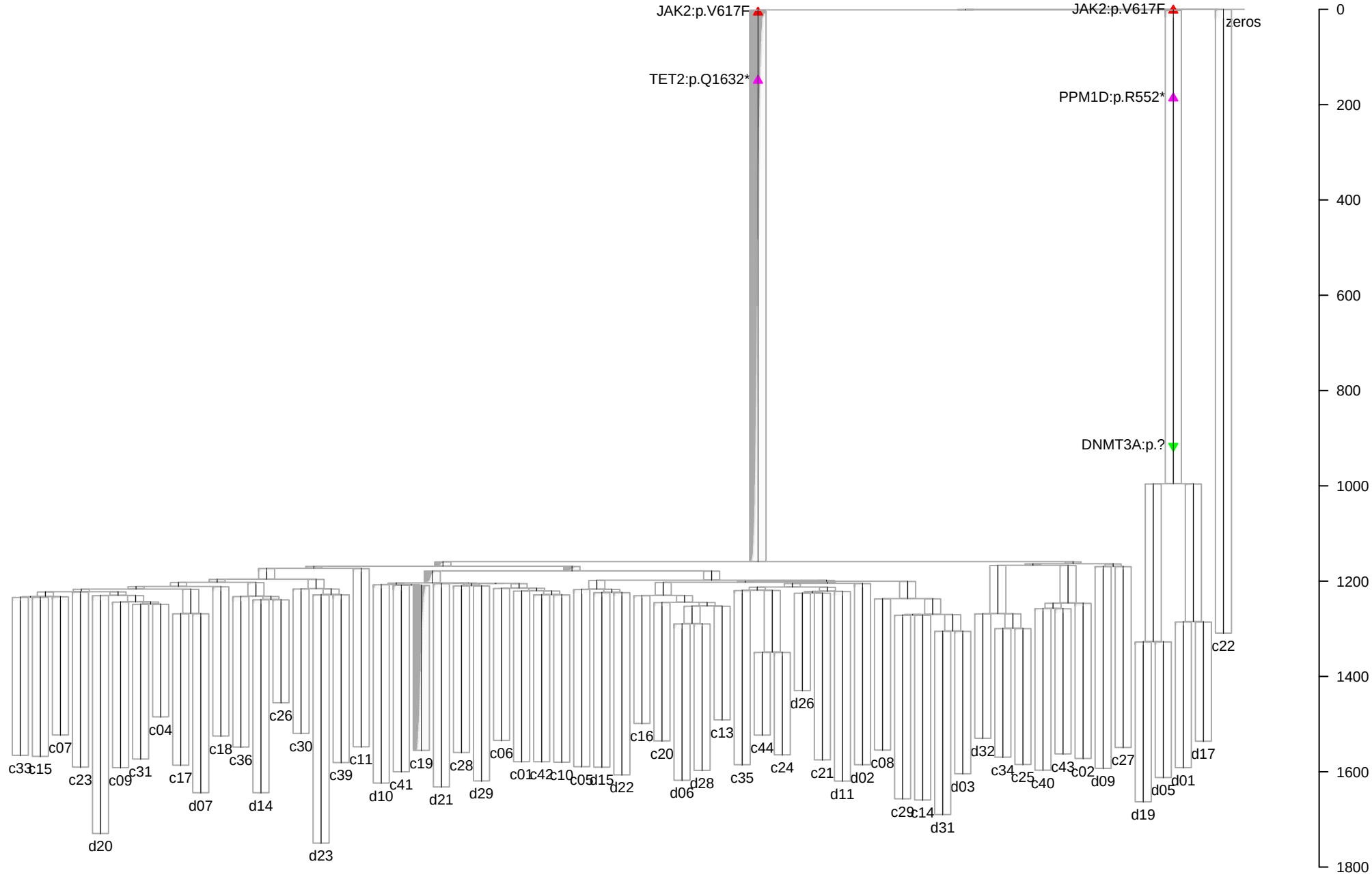
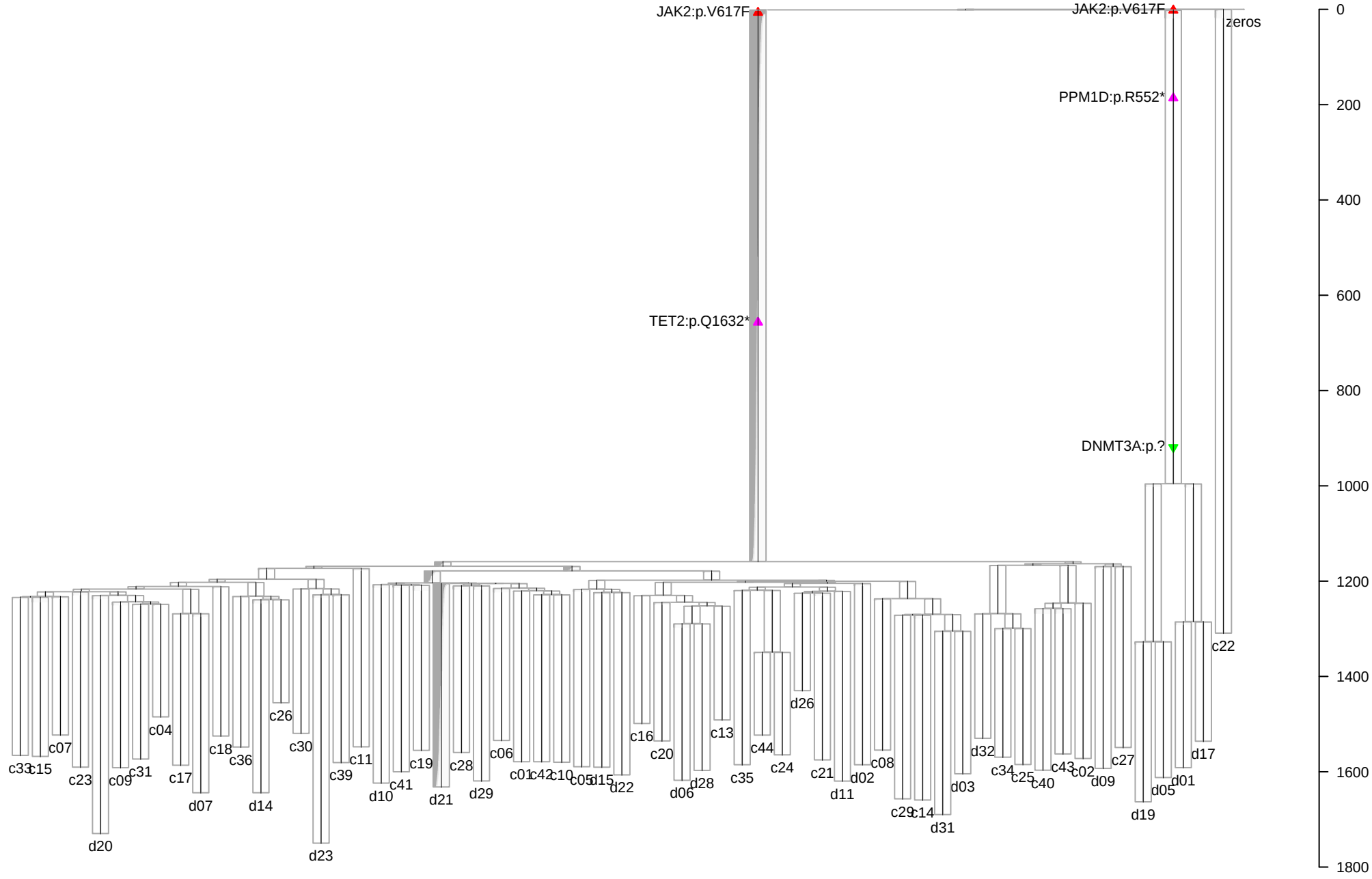
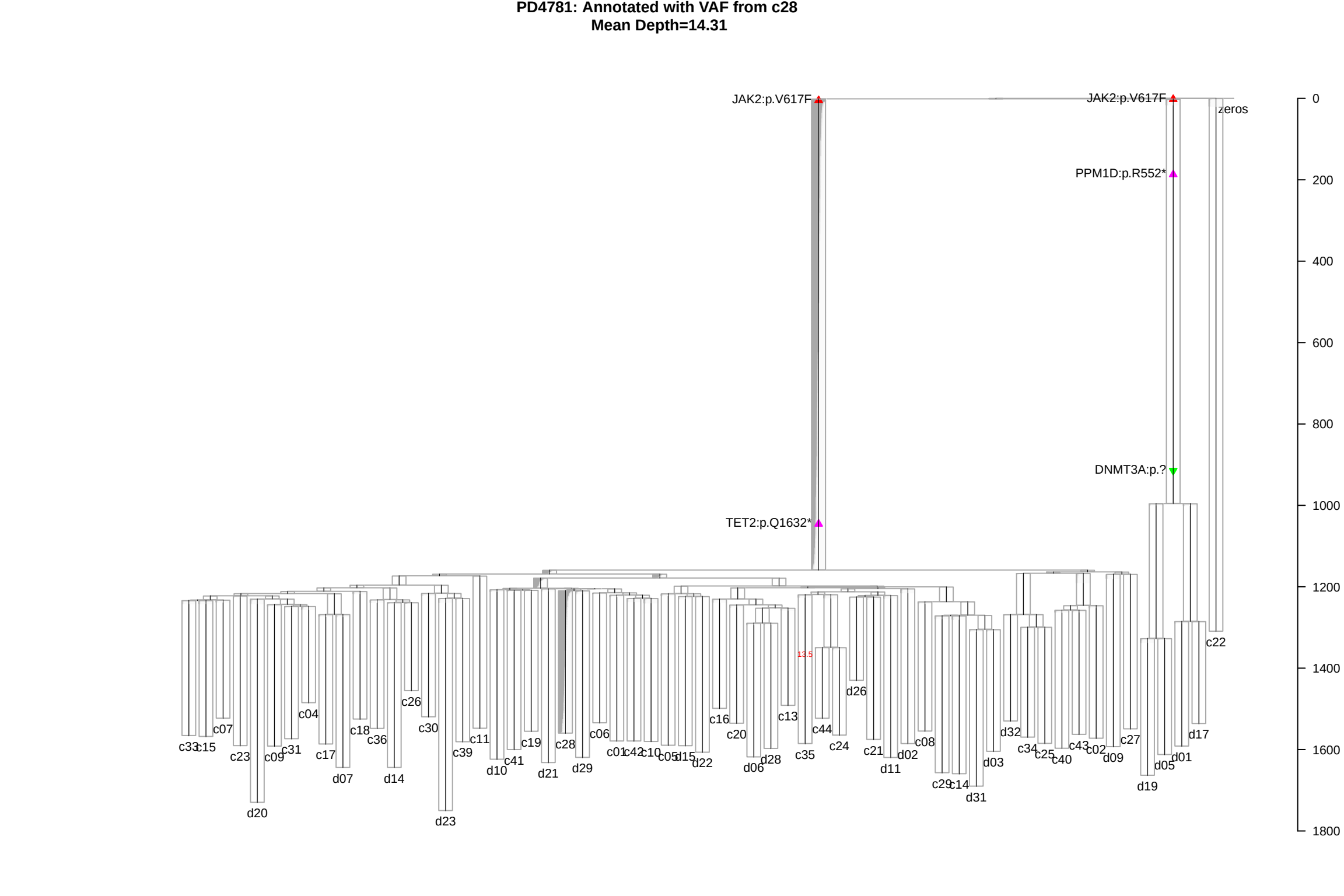
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

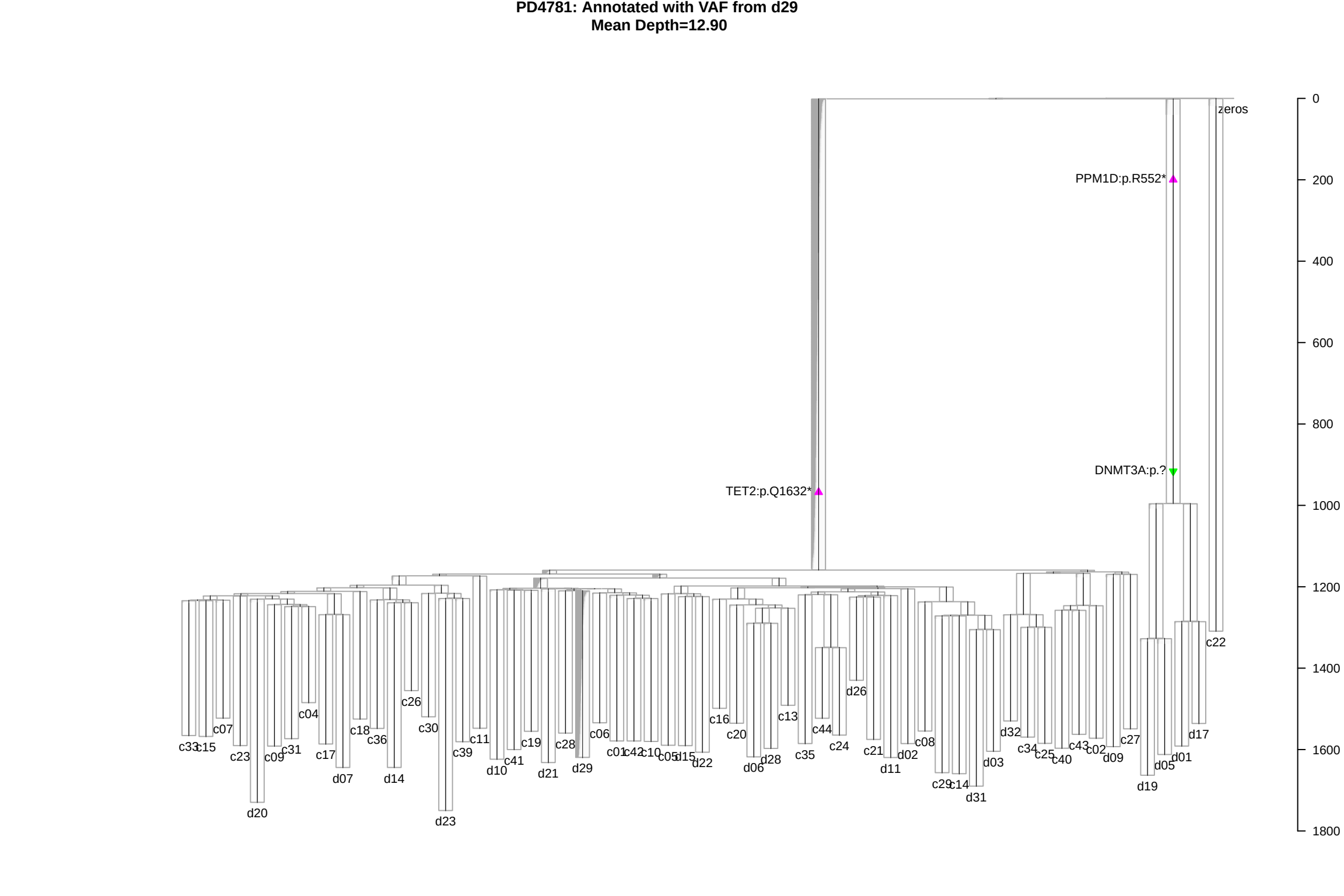
PD4781: Annotated with VAF from c19
Mean Depth=12.87



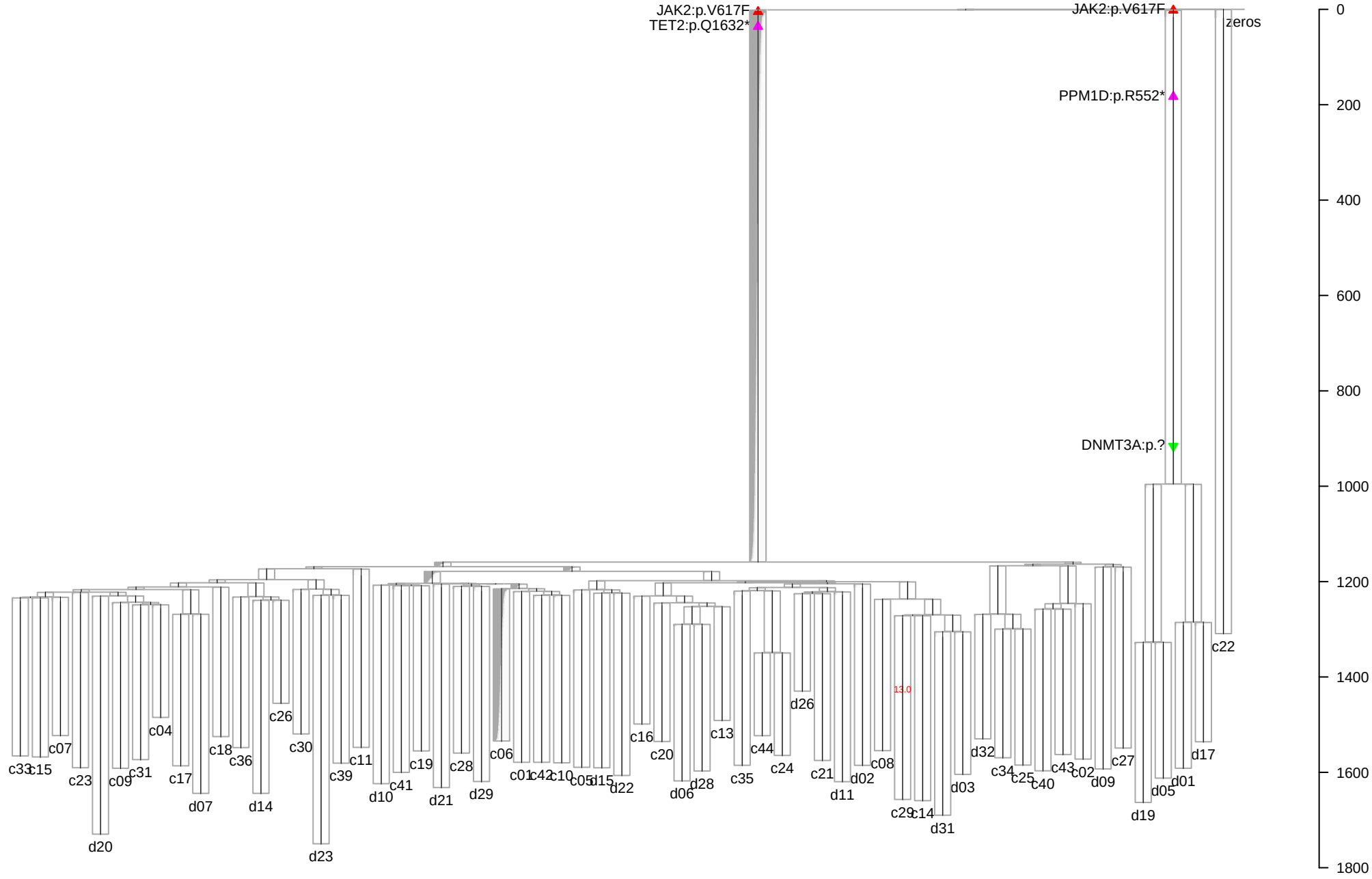
PD4781: Annotated with VAF from d21
Mean Depth=19.56

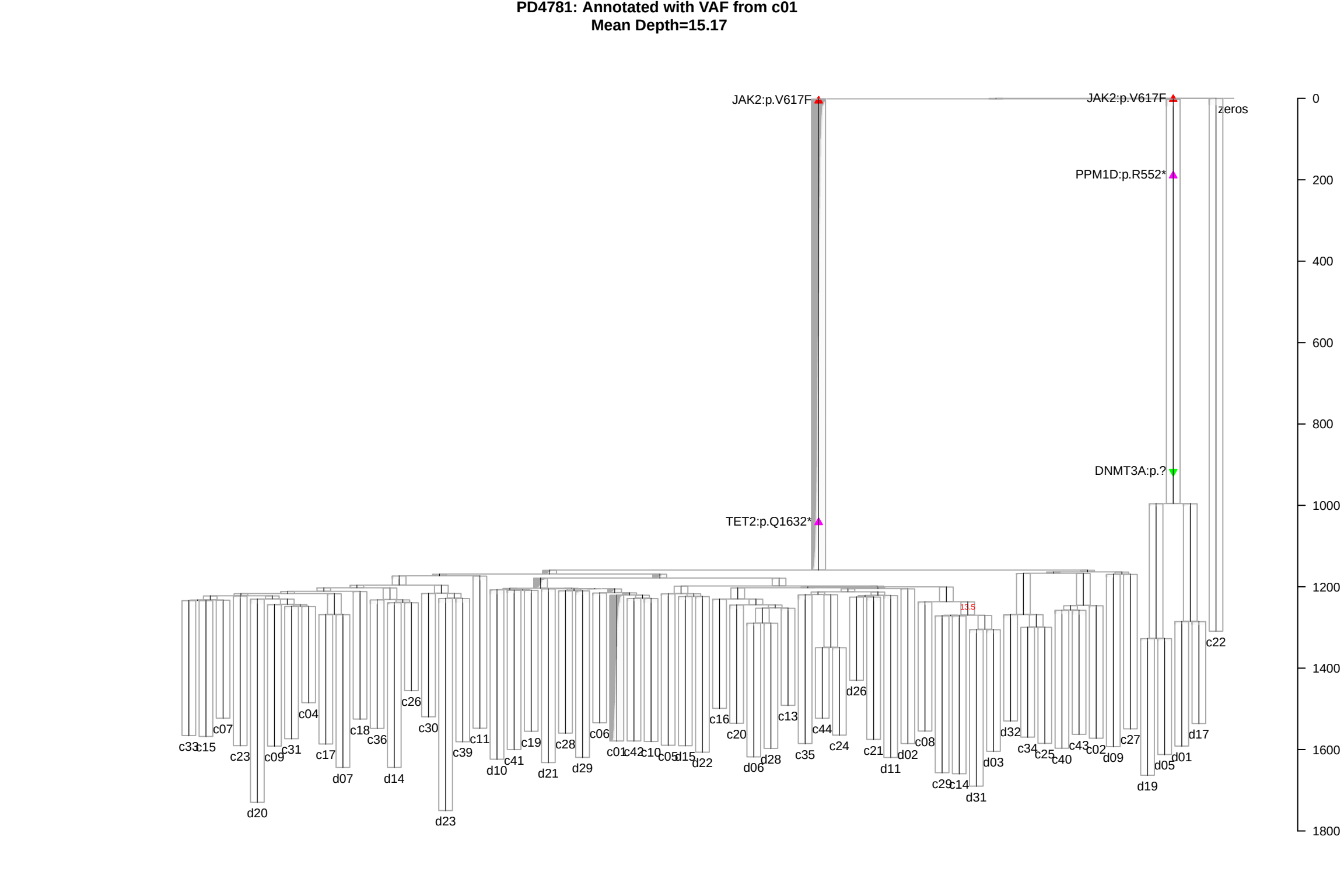


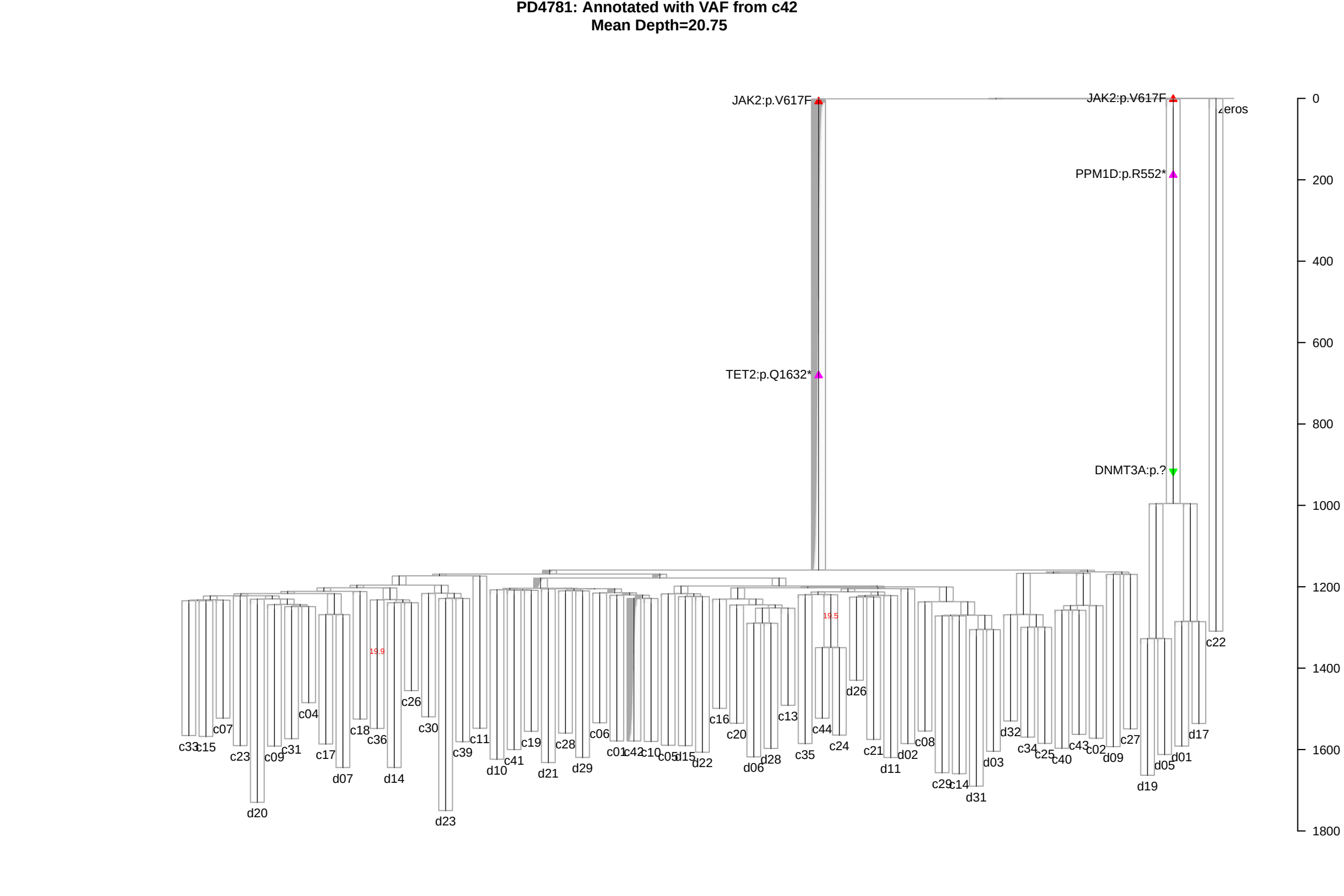

PD4781: Annotated with VAF from c28
Mean Depth=14.31
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
13.5
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
c27
d09
d17
d01
d05
d19
d03
d31
c29
c14
d11
d06
d28
c35
d22
d10
d21
d29
d07
d14
d20
d23


PD4781: Annotated with VAF from d29
Mean Depth=12.90
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
c27
d09
d17
d01
d05
d19
d03
d31
c29
c14
d11
d06
d28
c35
d22
d10
d21
d29
d14
d07
d20
d23

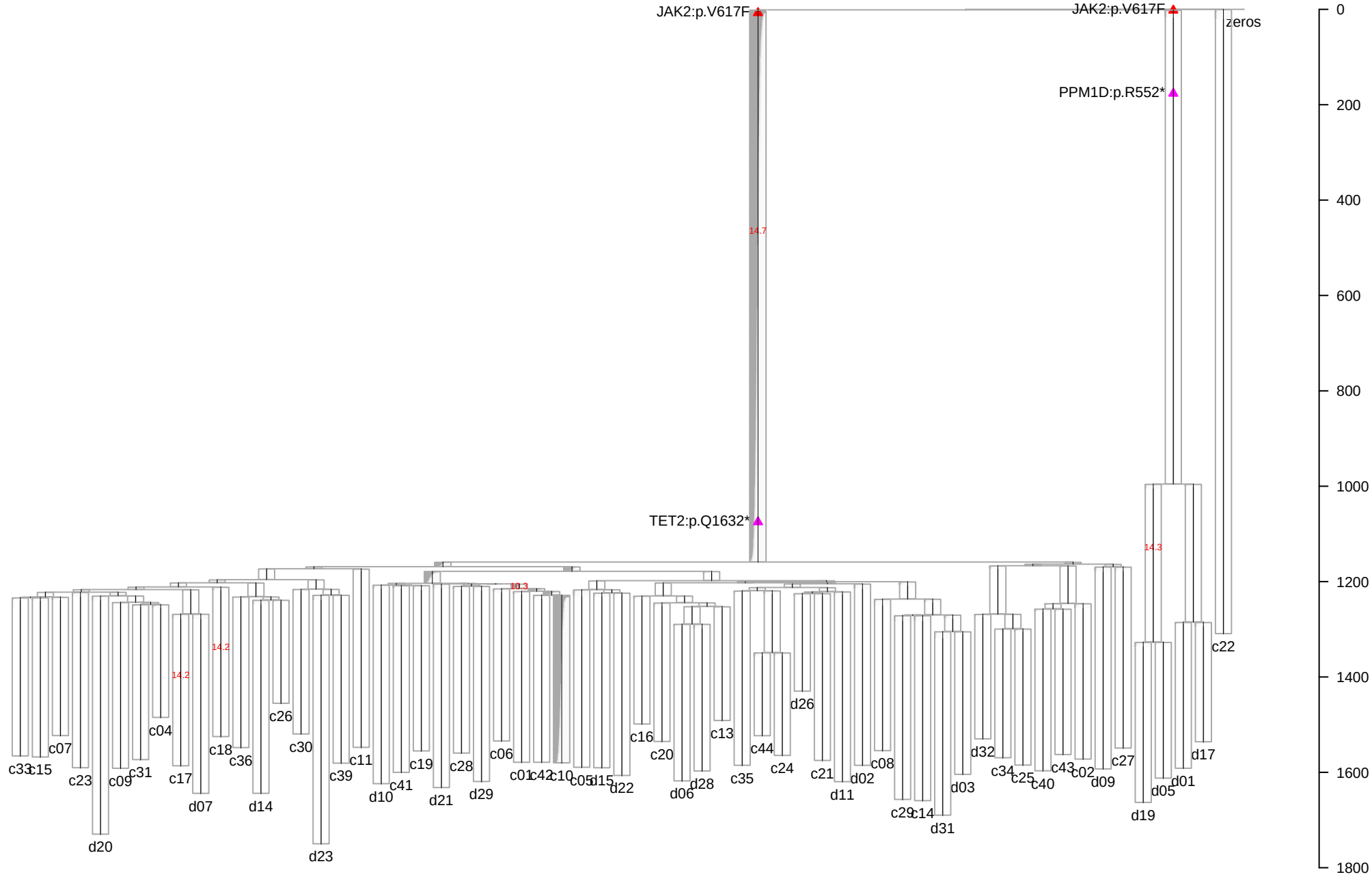
PD4781: Annotated with VAF from c06
Mean Depth=13.61



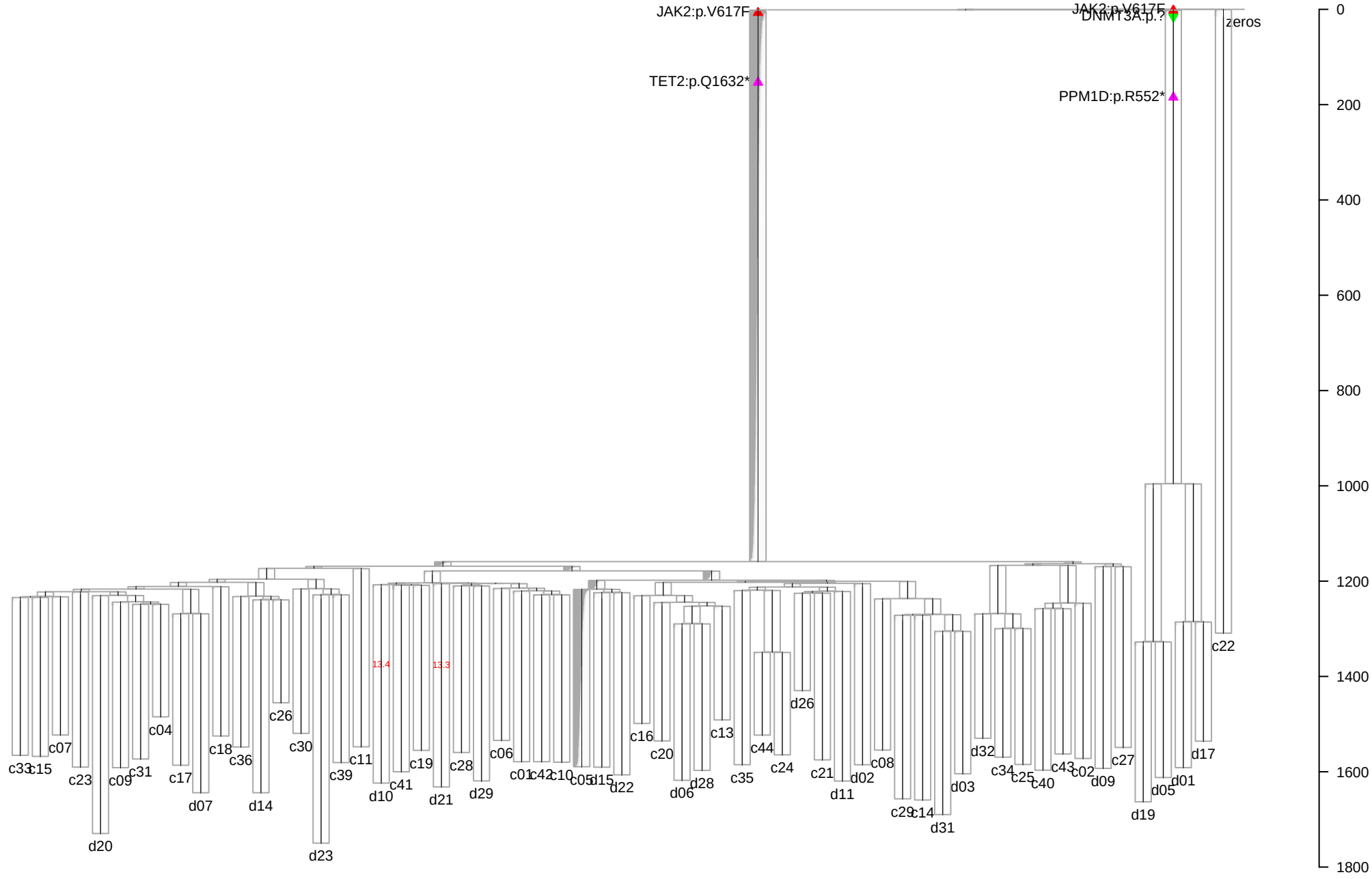

PD4781: Annotated with VAF from c01
Mean Depth=15.17
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
13.6
c22
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
0
200
400
600
800
1000
1200
1400
1600
1800

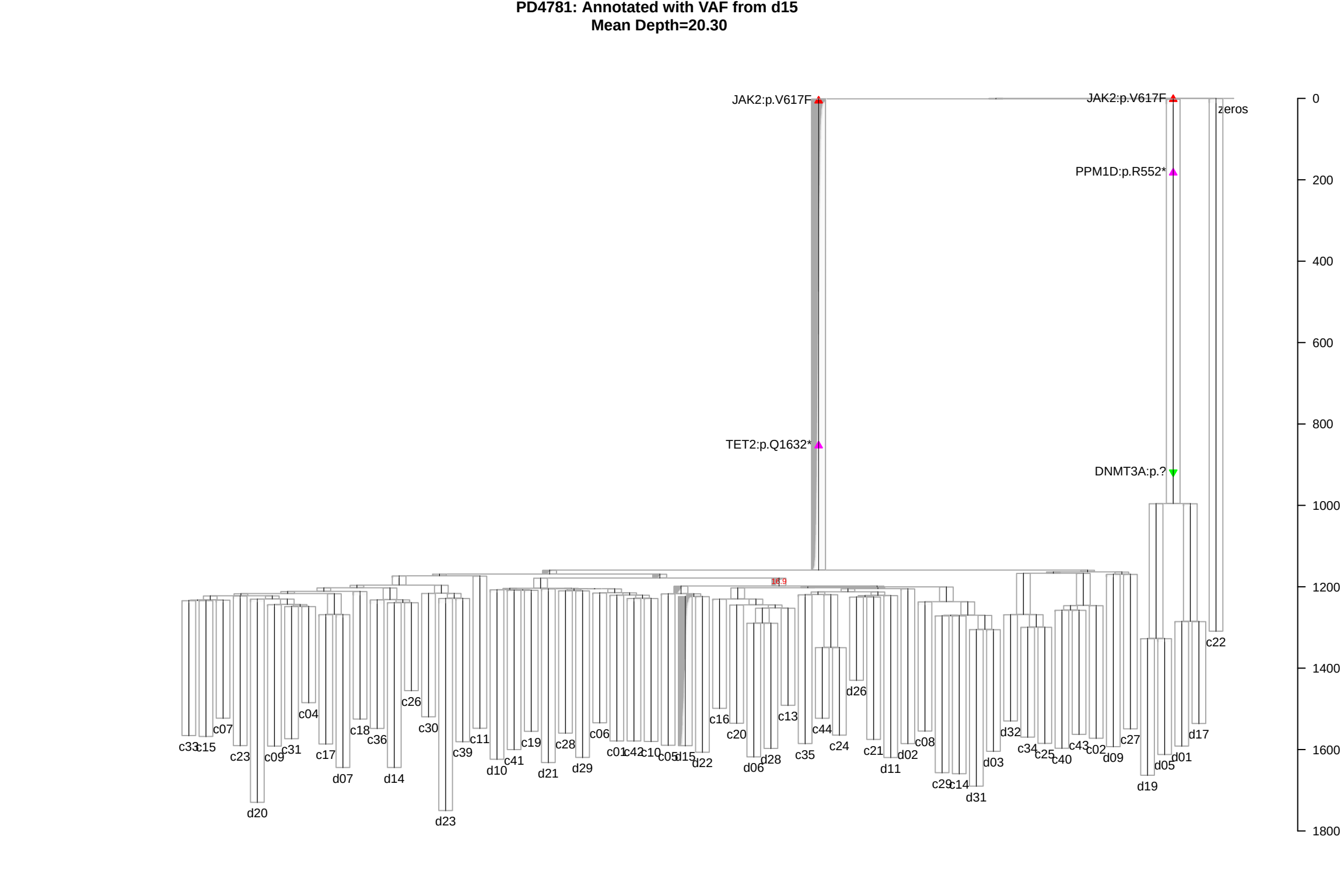

PD4781: Annotated with VAF from c42
Mean Depth=20.75
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
Zeros
19.9
19.5
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
d09
c27
d17
d01
d05
d19
d03
d31
c29
c14
d11
d06
d28
c35
d22
d10
d21
d29
d14
d07
d20
d23
0
200
400
600
800
1000
1200
1400
1600
1800

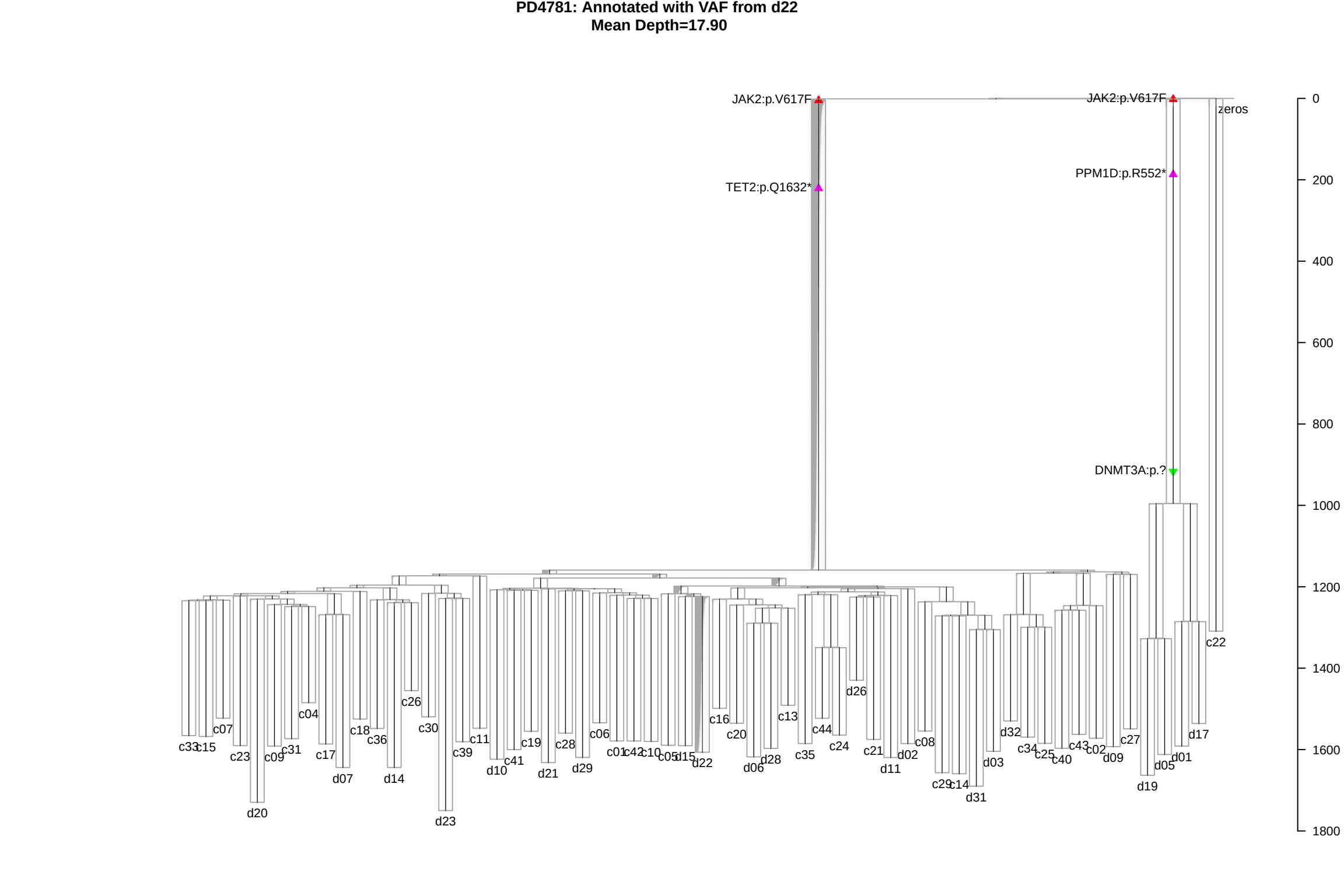
PD4781: Annotated with VAF from c10
Mean Depth=15.17

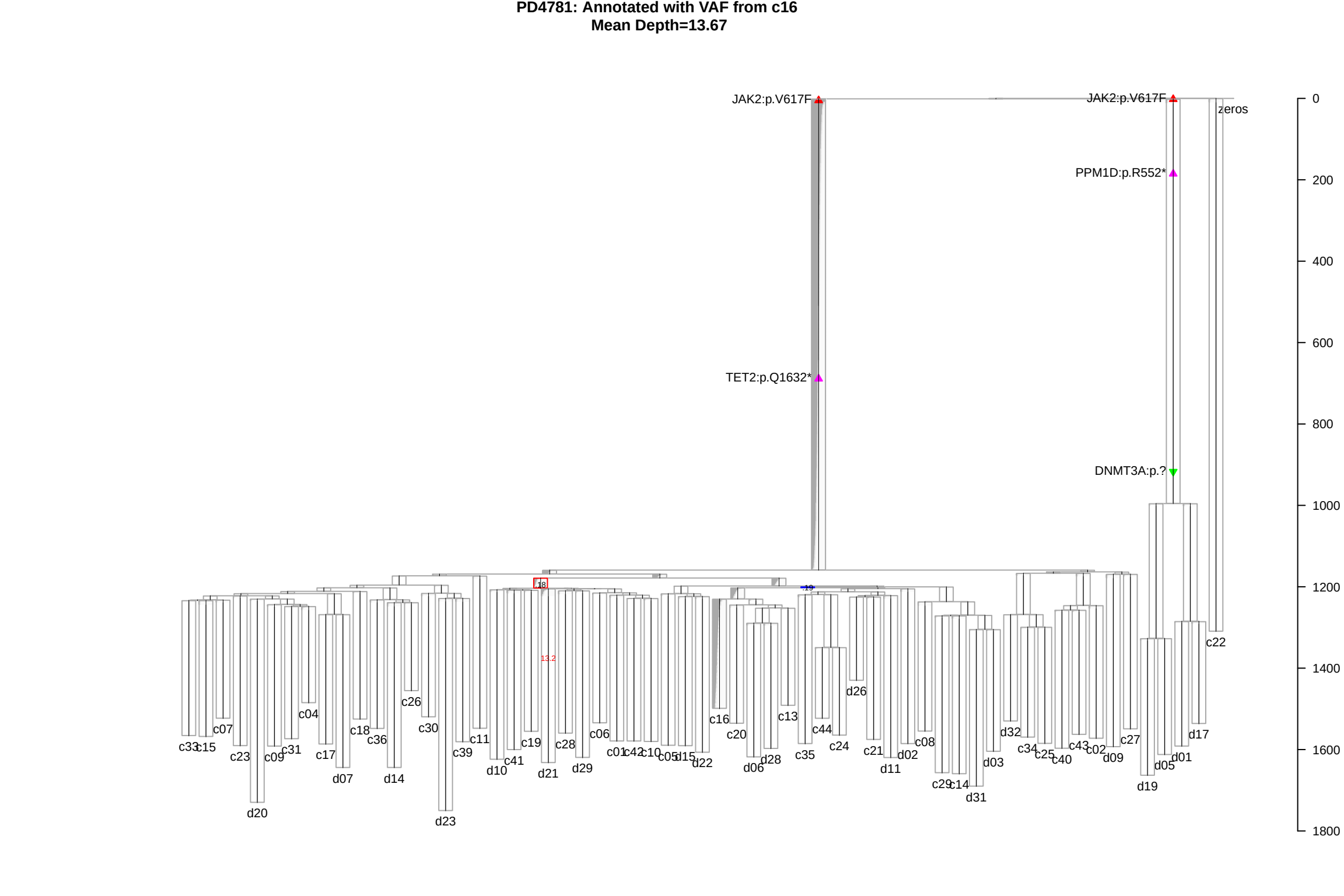


PD4781: Annotated with VAF from c05
Mean Depth=13.97

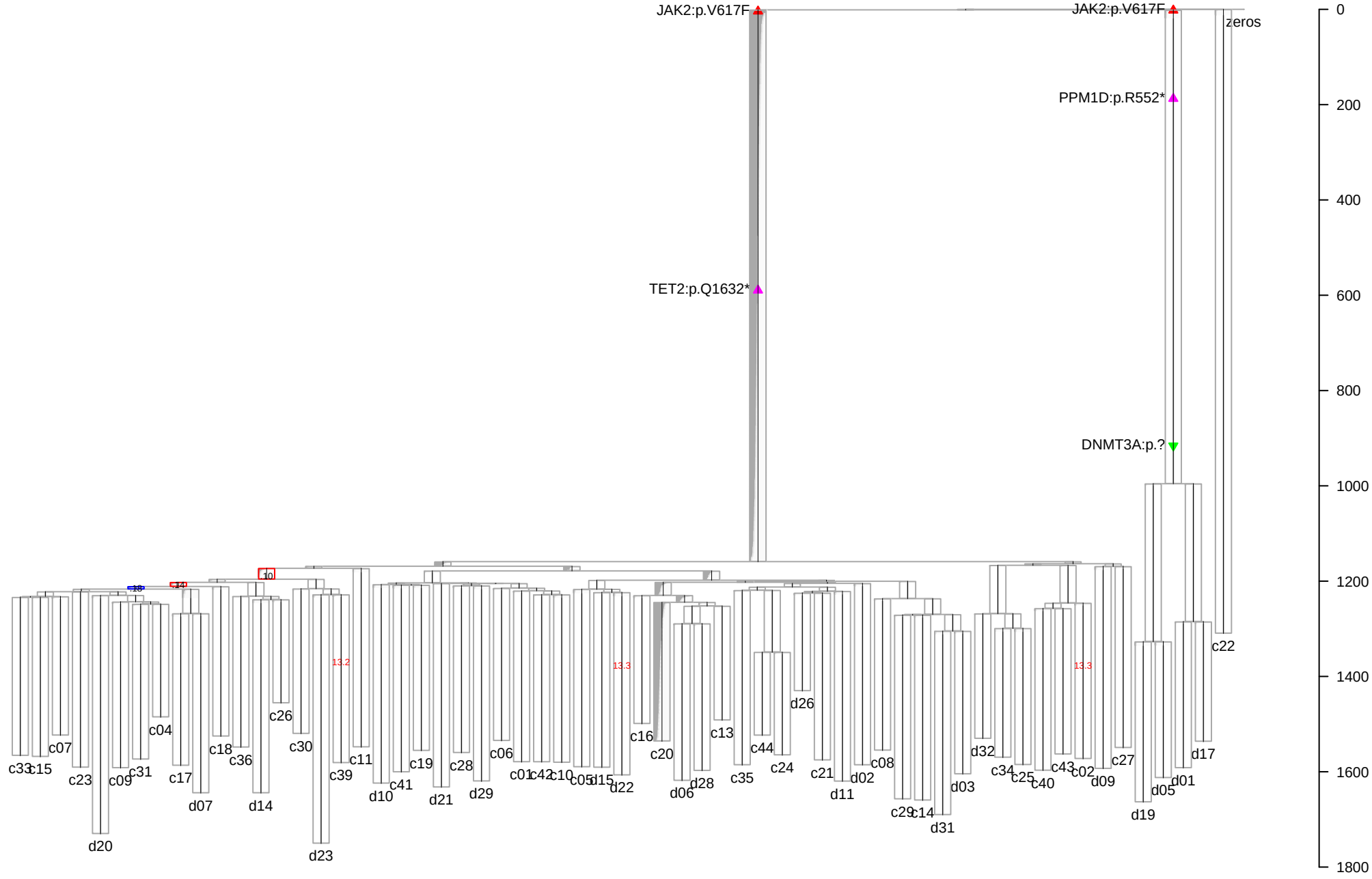


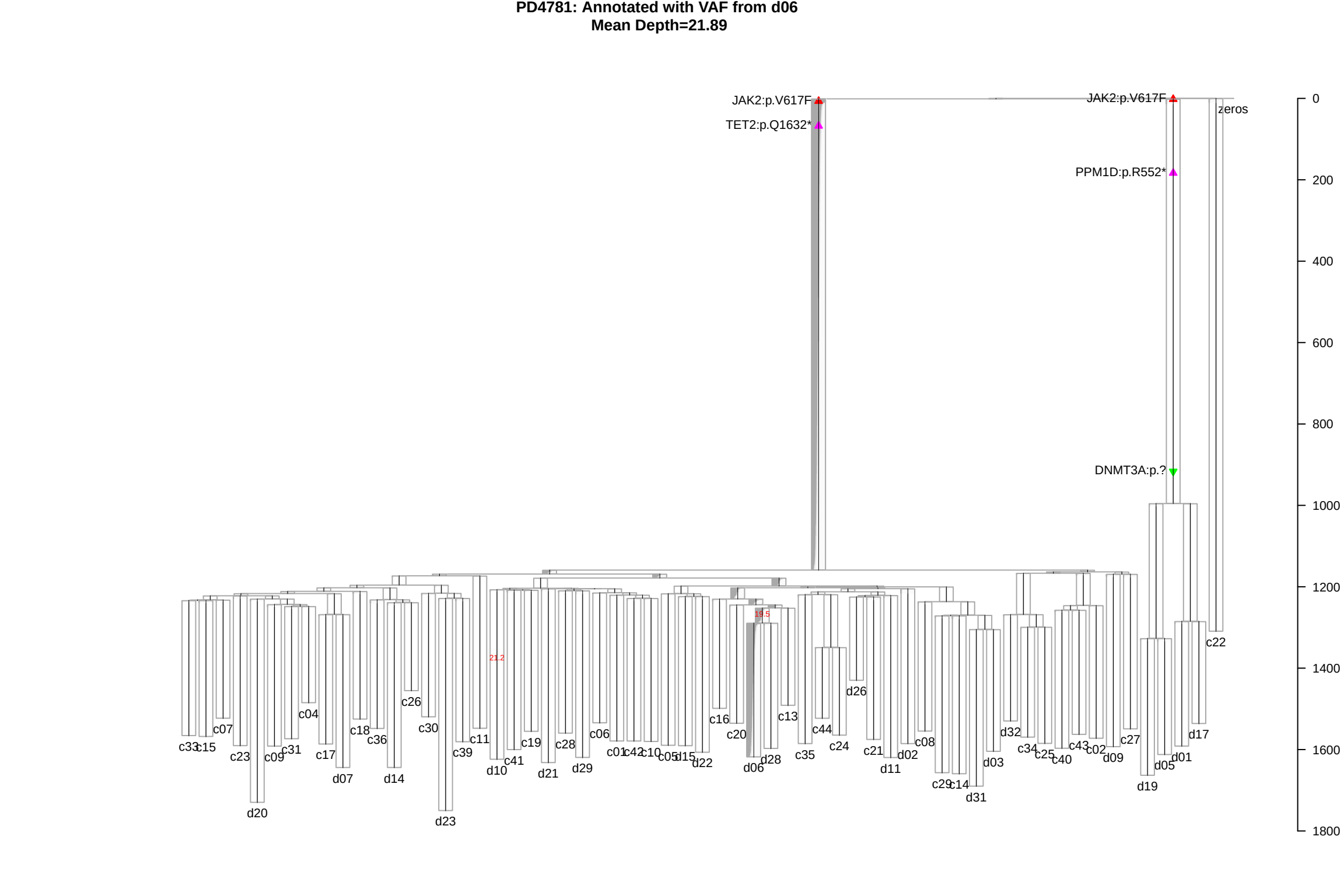

PD4781: Annotated with VAF from d15
Mean Depth=20.30
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
d09
c27
d17
d01
d05
d19
d20
d07
d14
d23
d10
d21
d06
d28
c35
d11
c29
c14
d31
d03


PD4781: Annotated with VAF from d22
Mean Depth=17.90
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

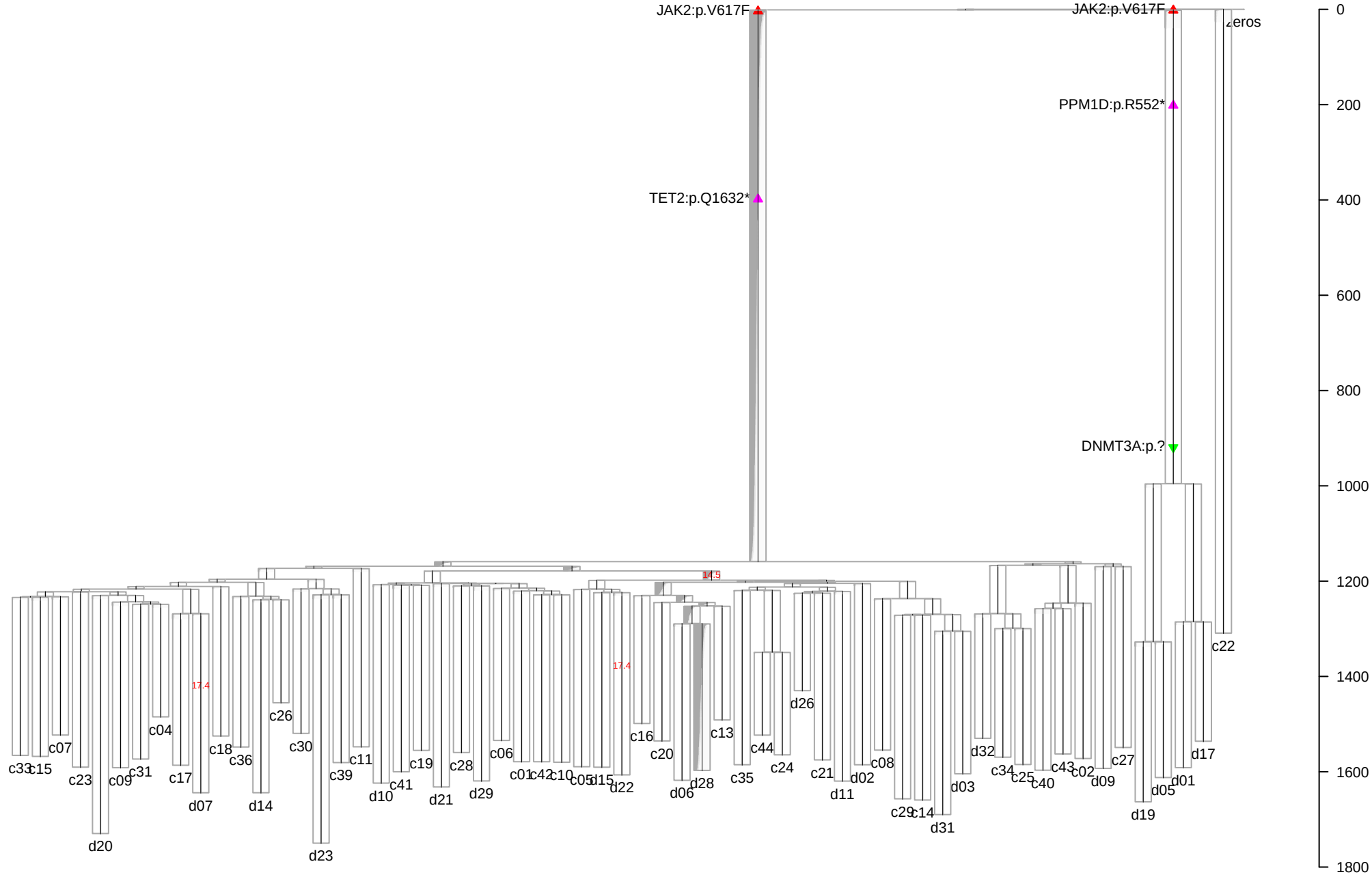

PD4781: Annotated with VAF from c16
Mean Depth=13.67
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
d09
c27
d17
d01
d05
d19
d03
c14
d31
d20
d07
d14
d23
d10
d21
d29
d22
d06
d28
c35
d11

PD4781: Annotated with VAF from c20
Mean Depth=13.93

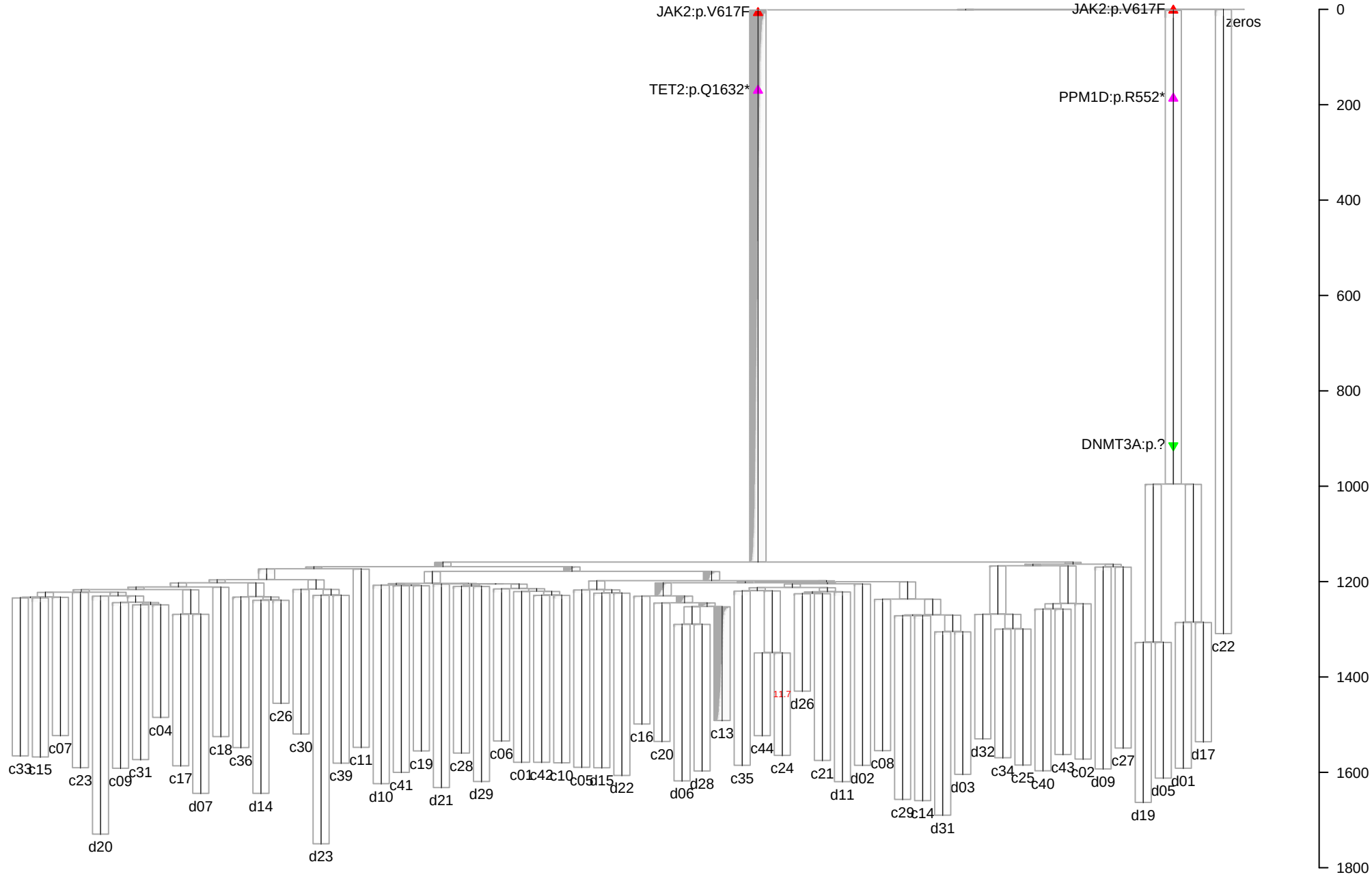


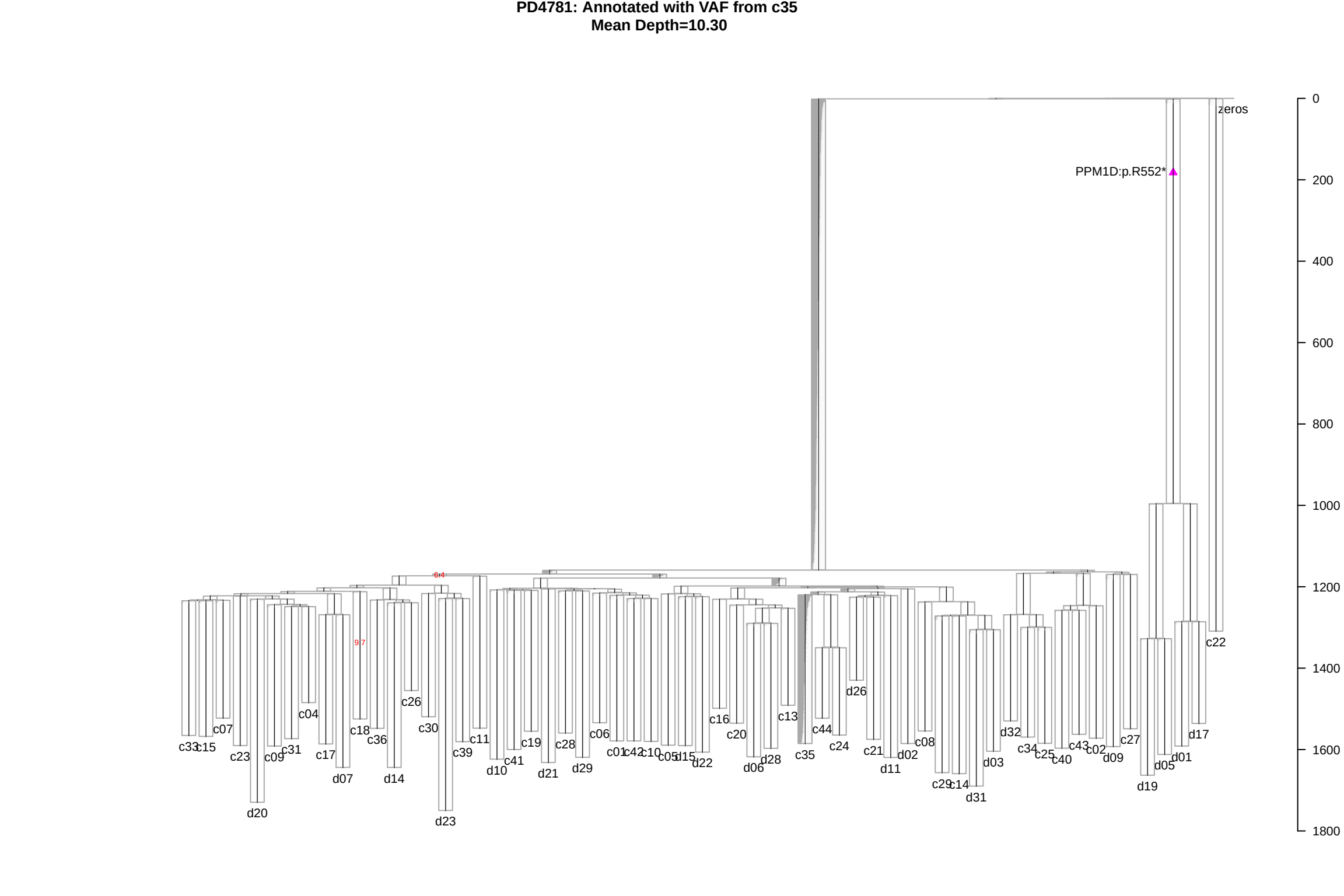

PD4781: Annotated with VAF from d06
Mean Depth=21.89
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
21.2
19.5
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
d09
c27
d17
d01
d05
d19
d20
d07
d14
d23
d10
d21
d29
d22
d06
d28
c35
d11
c29
c14
d31
d03

PD4781: Annotated with VAF from d28
Mean Depth=18.14

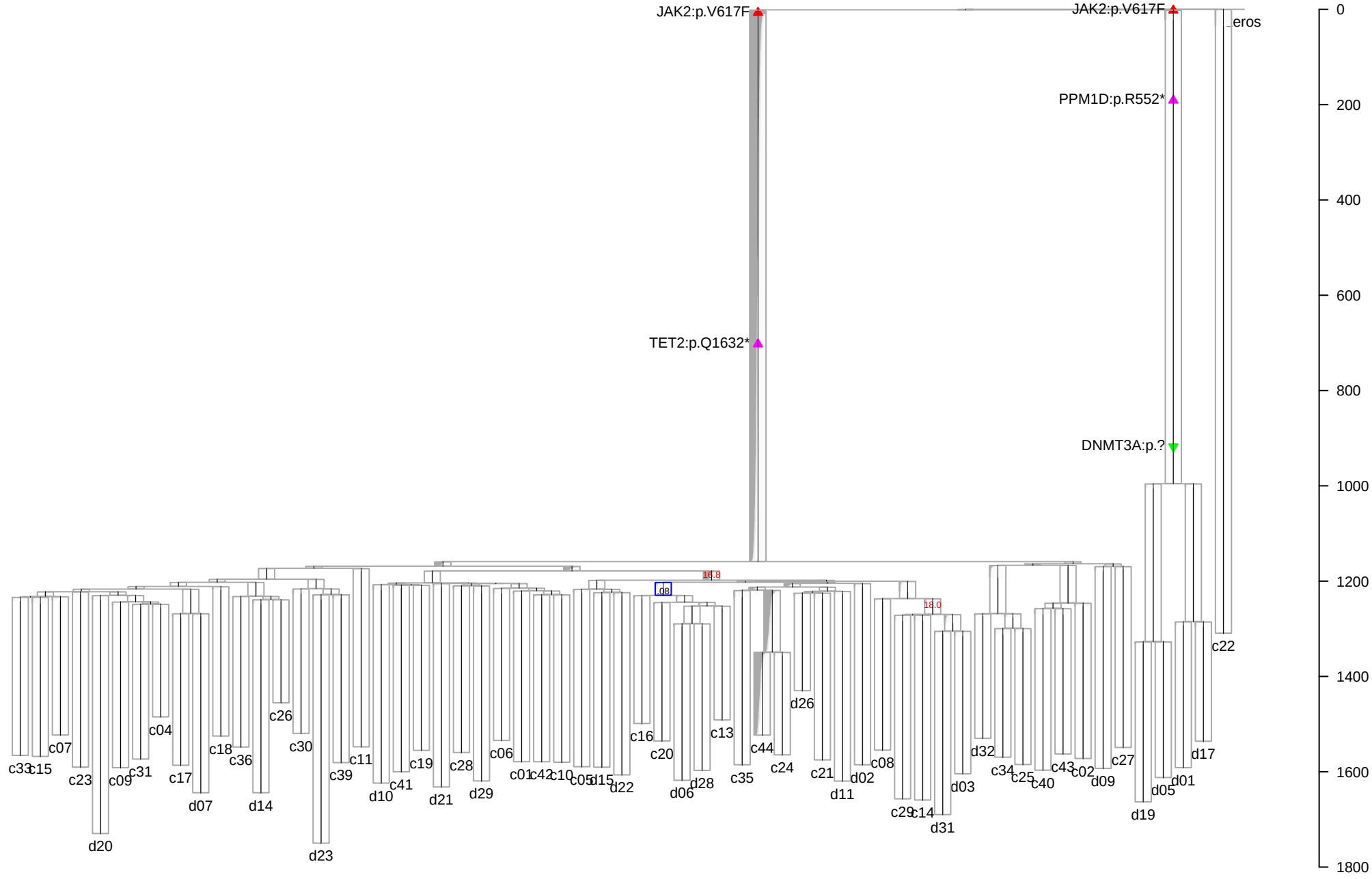


PD4781: Annotated with VAF from c13
Mean Depth=12.43

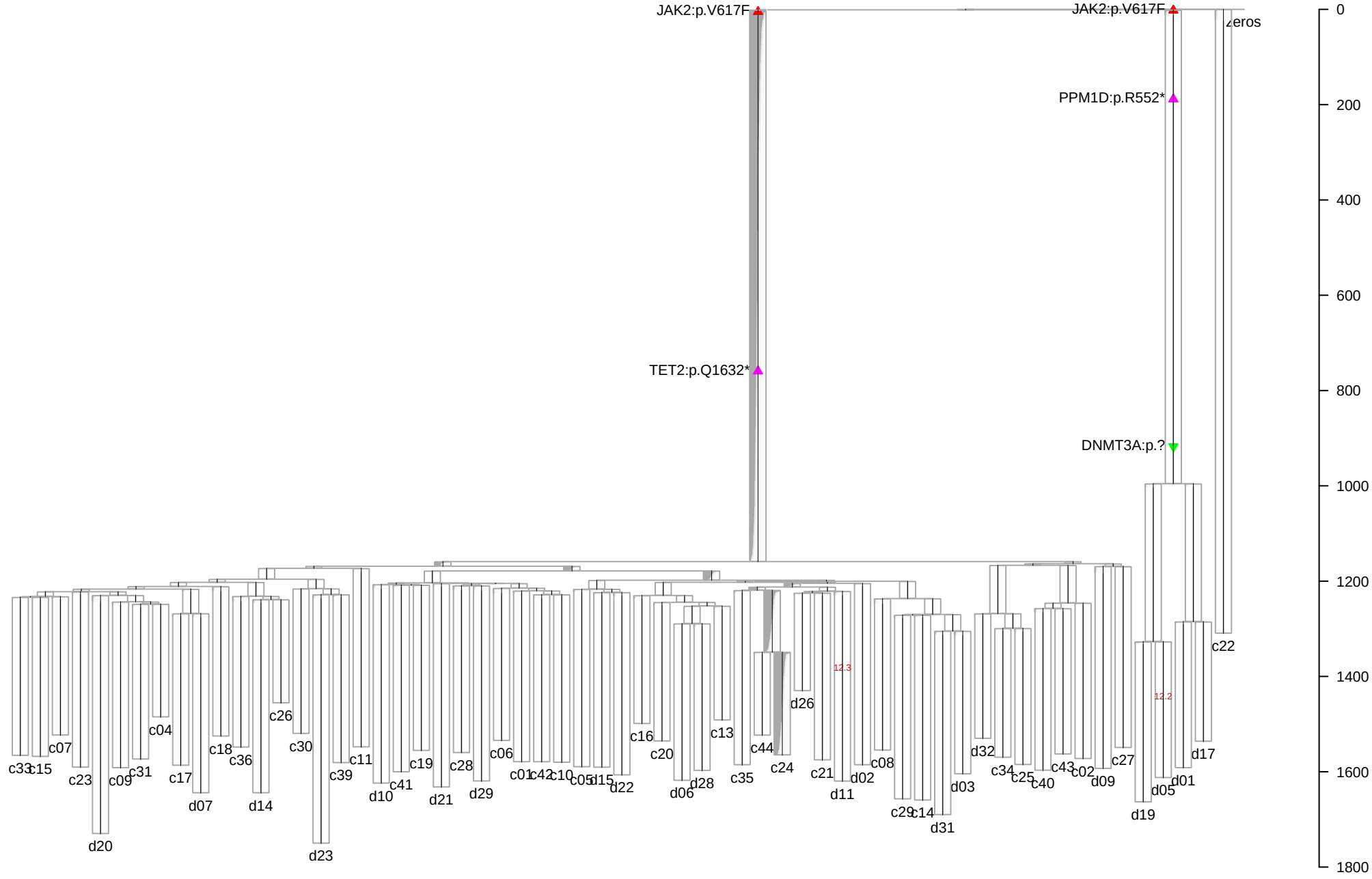


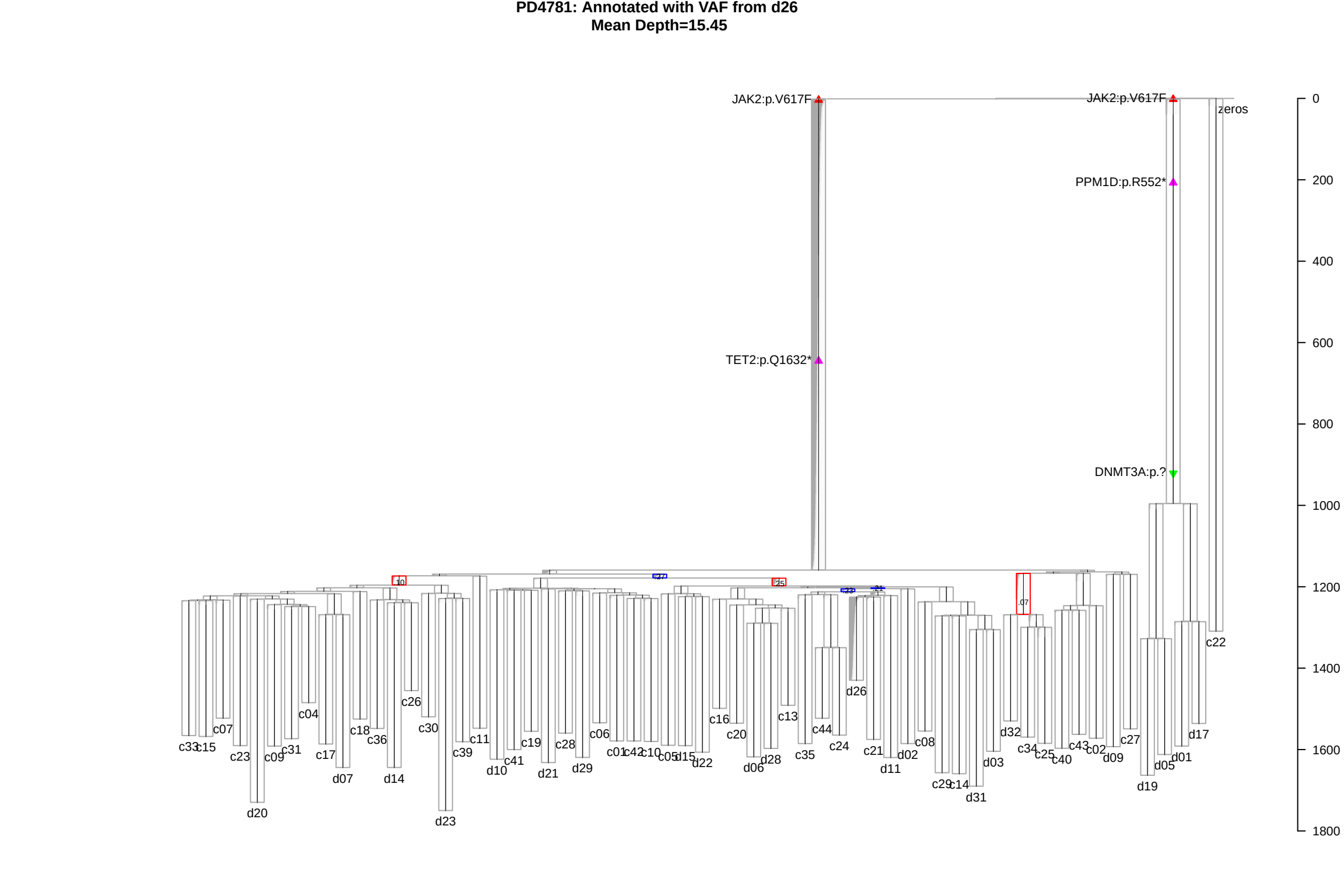

PD4781: Annotated with VAF from c35
Mean Depth=10.30
zeros
PPM1D:p.R552*
0
200
400
600
800
1000
1200
1400
1600
1800
6|4
9|7
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

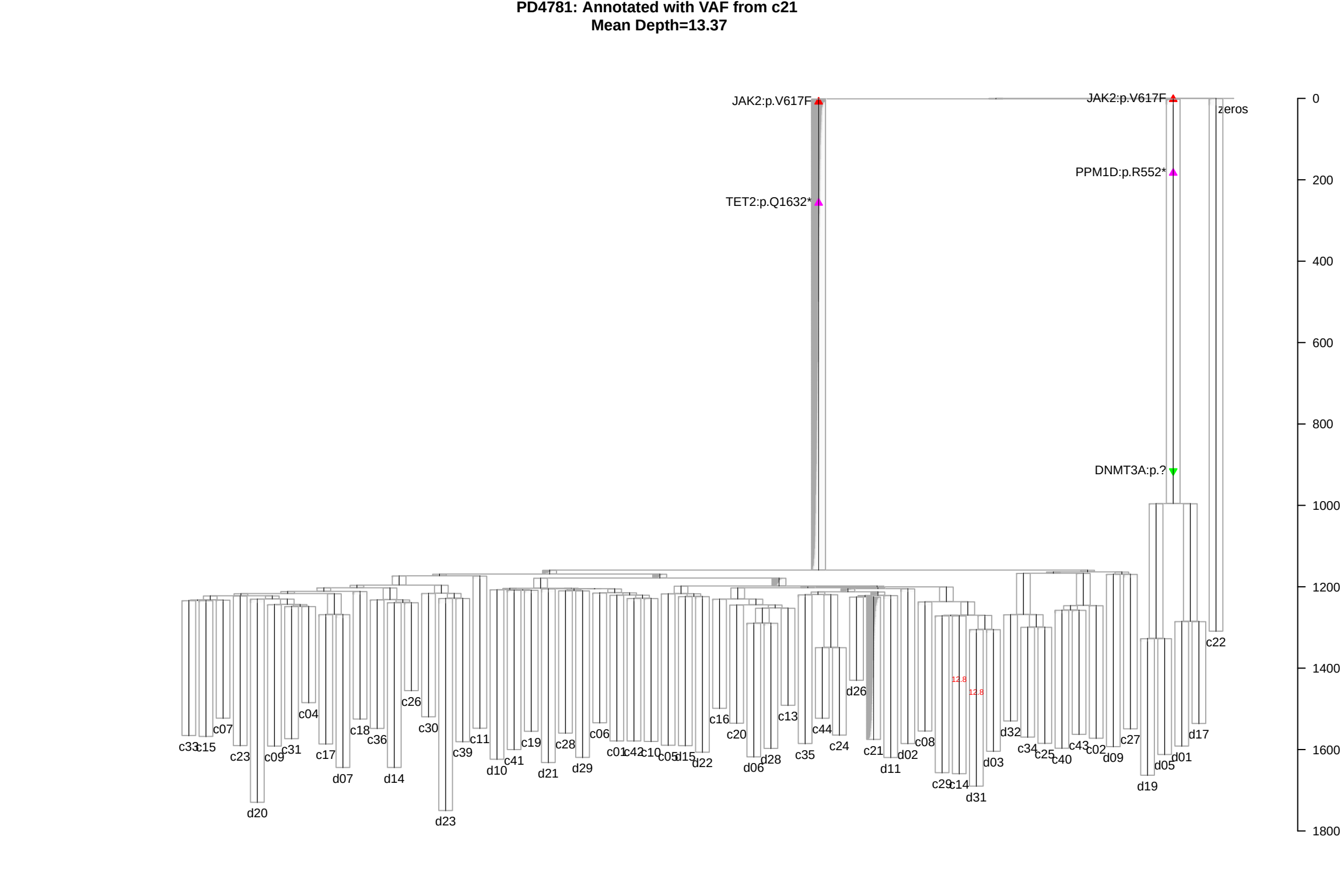
PD4781: Annotated with VAF from c44
Mean Depth=20.31

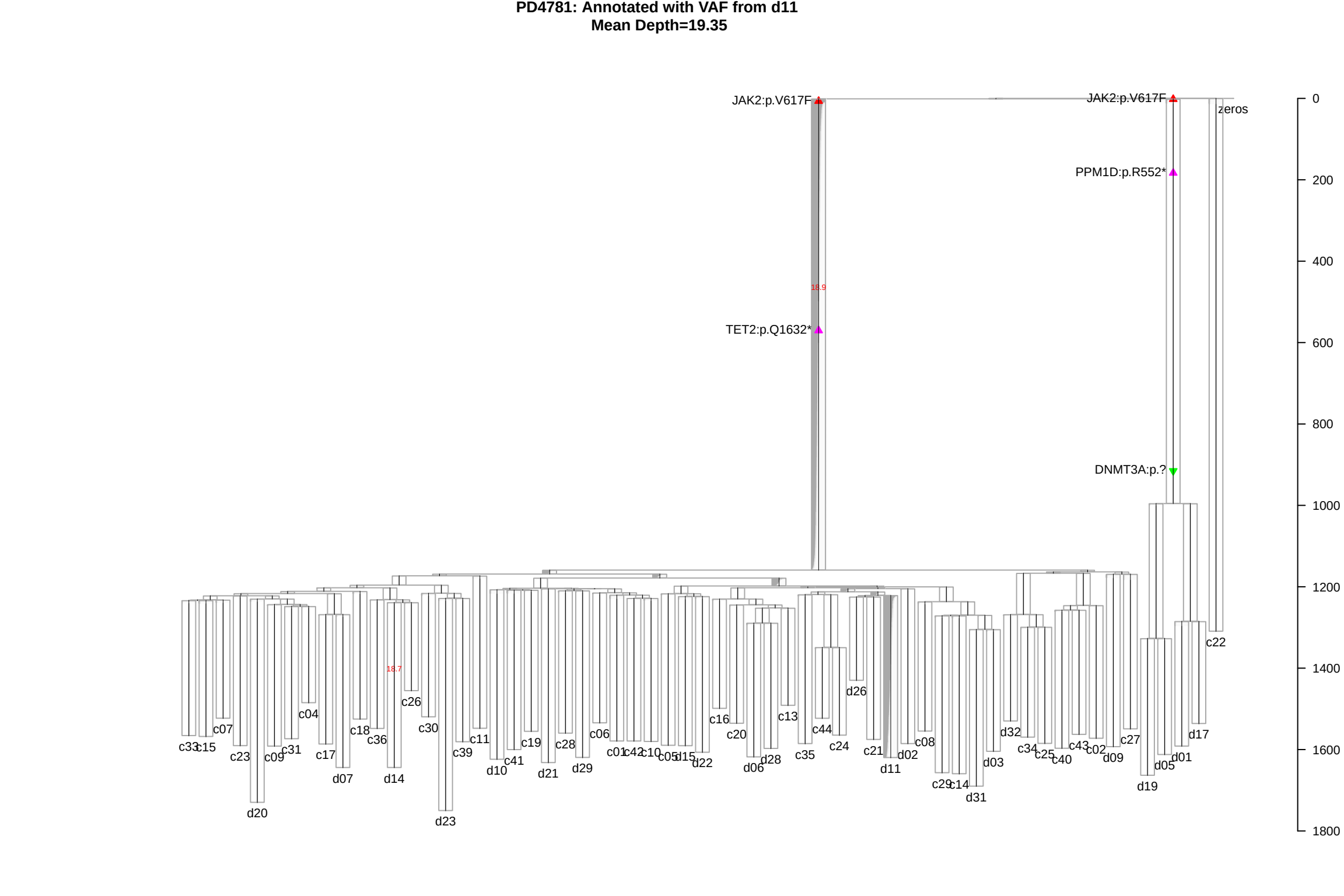


PD4781: Annotated with VAF from c24
Mean Depth=12.91

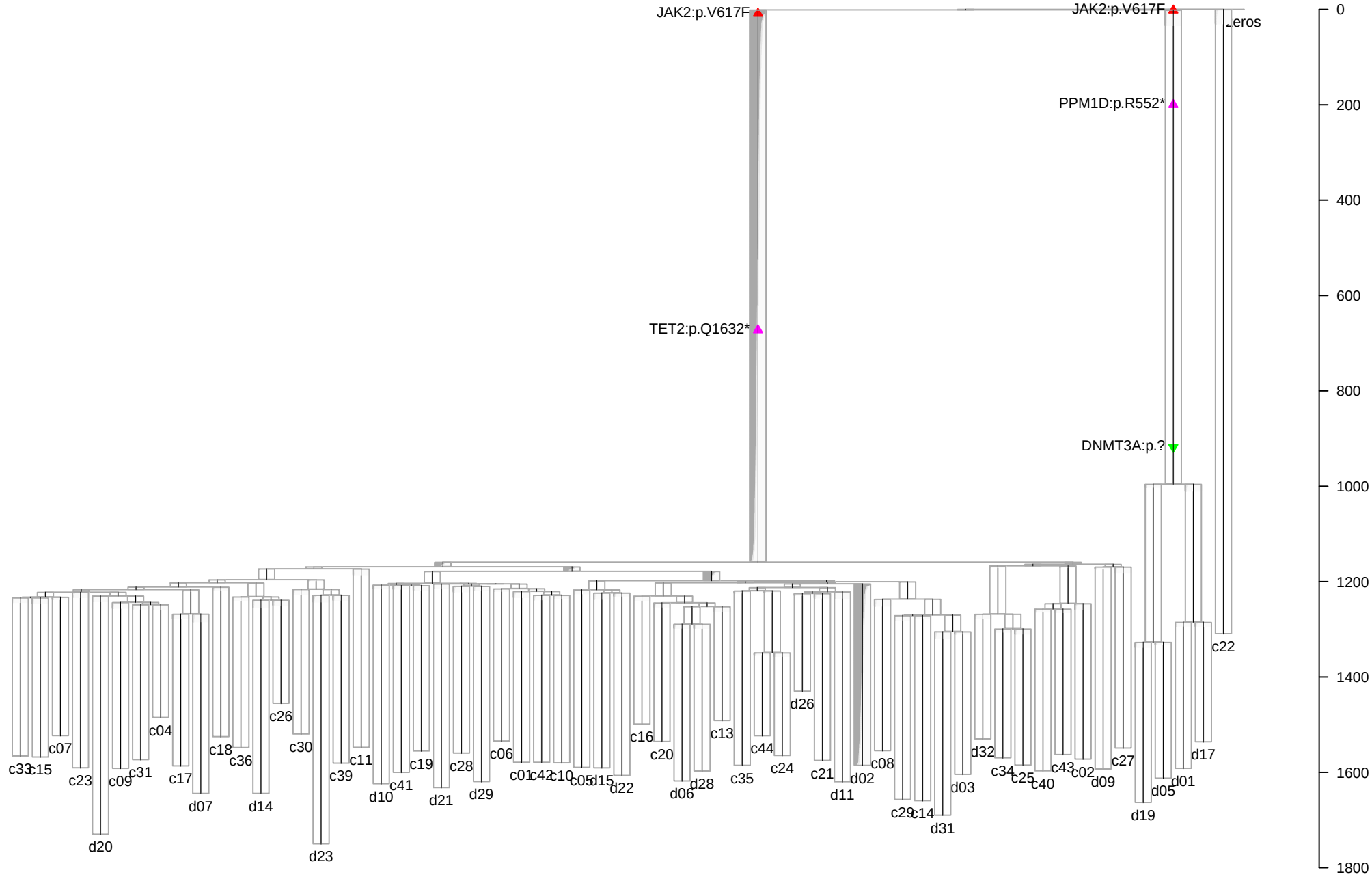


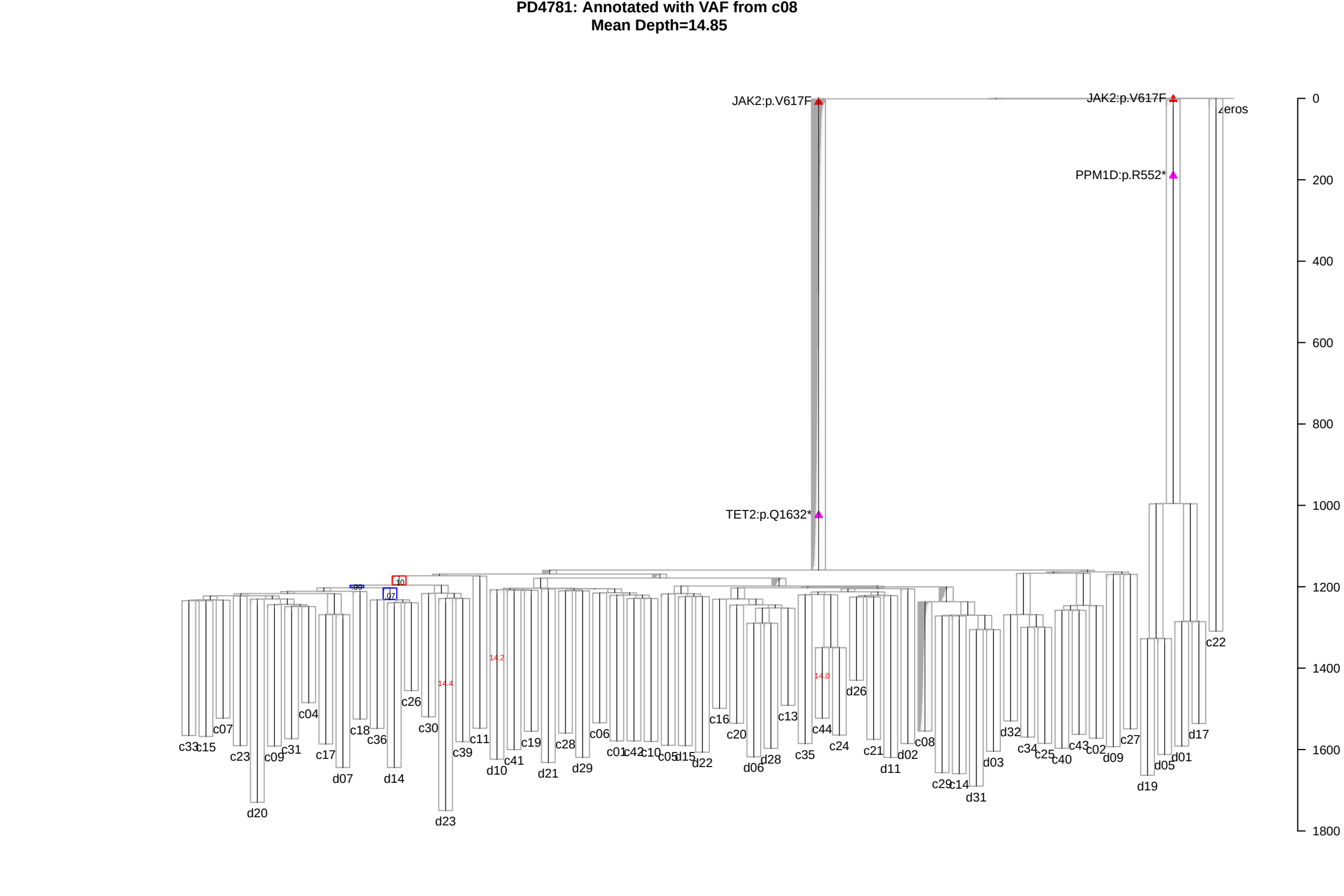

PD4781: Annotated with VAF from d26
Mean Depth=15.45
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
c32
c34
c25
c40
c43
c02
c27
d09
d17
d01
d05
d19
d03
d31
c29
c14
d11
d06
d28
c35
d22
d10
d21
d29
d14
d07
d20
d23

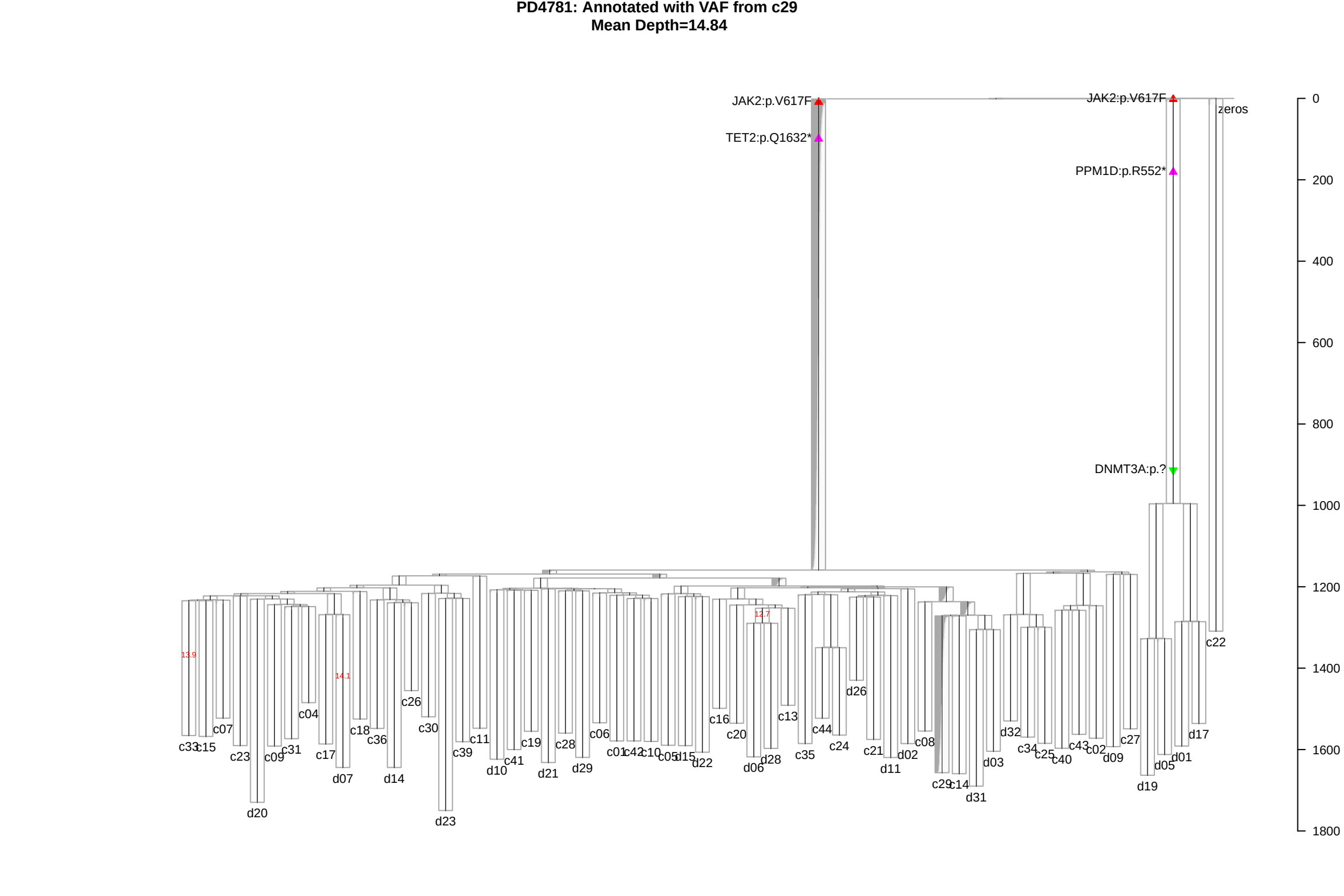

PD4781: Annotated with VAF from c21
Mean Depth=13.37
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
c26
c21
c02
c08
c29
c14
c31
c03
c32
c34
c25
c40
c43
c02
c09
c27
c19
c05
d01
d17
c22
d20
d07
d14
d23
d10
d21
d22
d06
d28
c35
d11
d31
d19

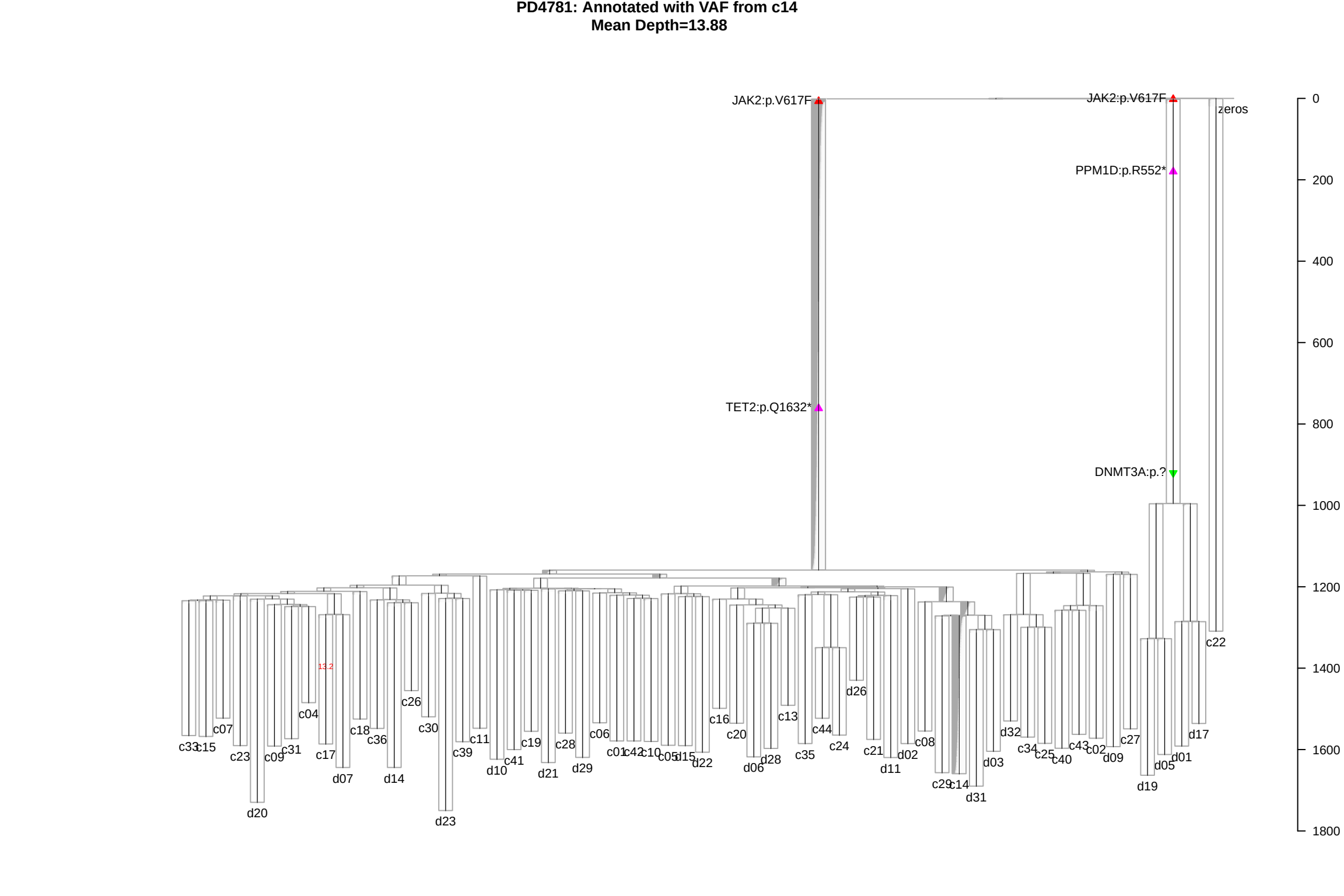

PD4781: Annotated with VAF from d11
Mean Depth=19.35
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
18.9
TET2:p.Q1632*
DNMT3A:p.?
18.7
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22
0
200
400
600
800
1000
1200
1400
1600
1800

PD4781: Annotated with VAF from d02
Mean Depth=18.67

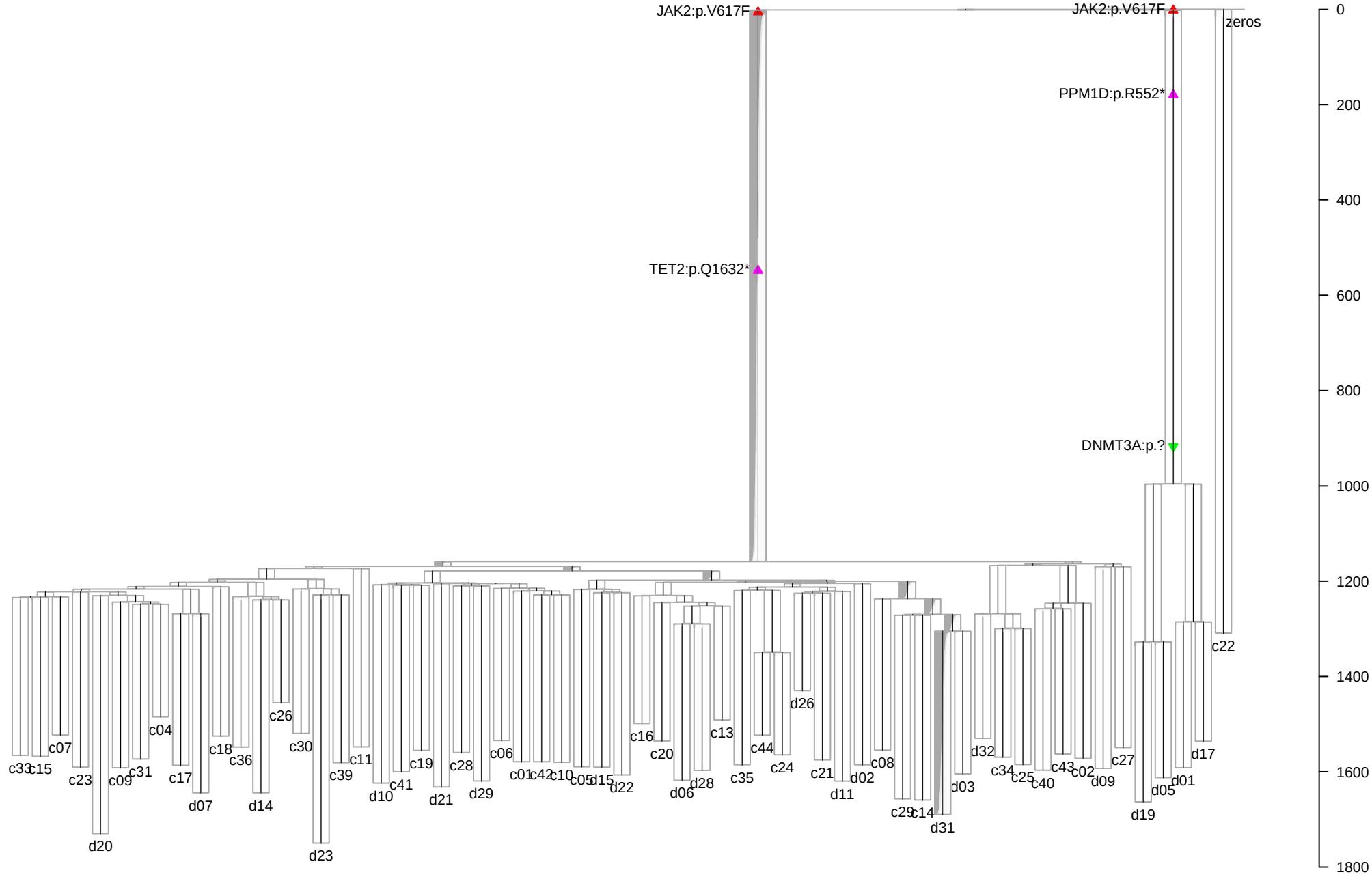


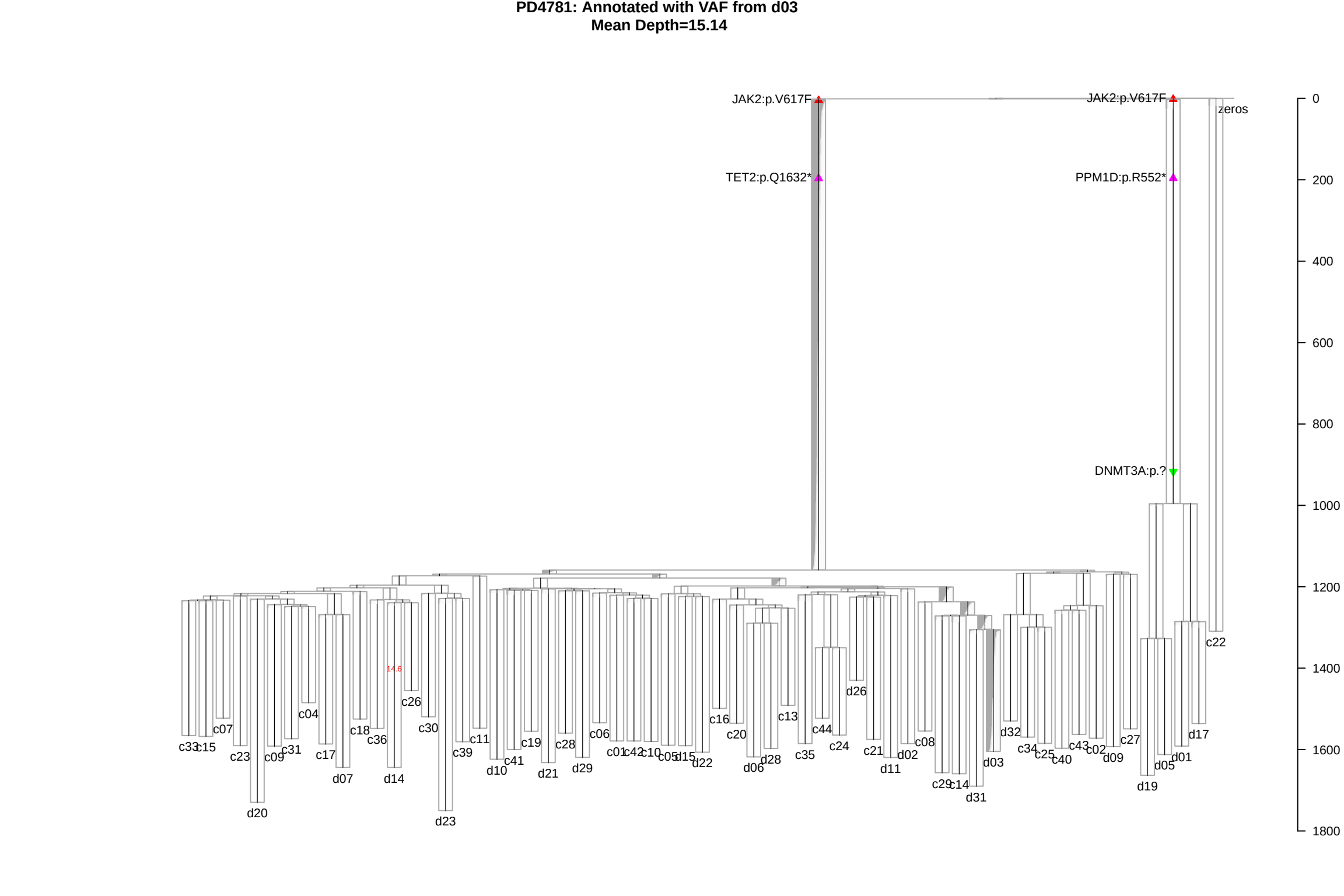

PD4781: Annotated with VAF from c08
Mean Depth=14.85
JAK2:p.V617F
JAK2:p.V617F
PPM1D:p.R552*
TET2:p.Q1632*
14.2
14.4
14.0
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
d15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

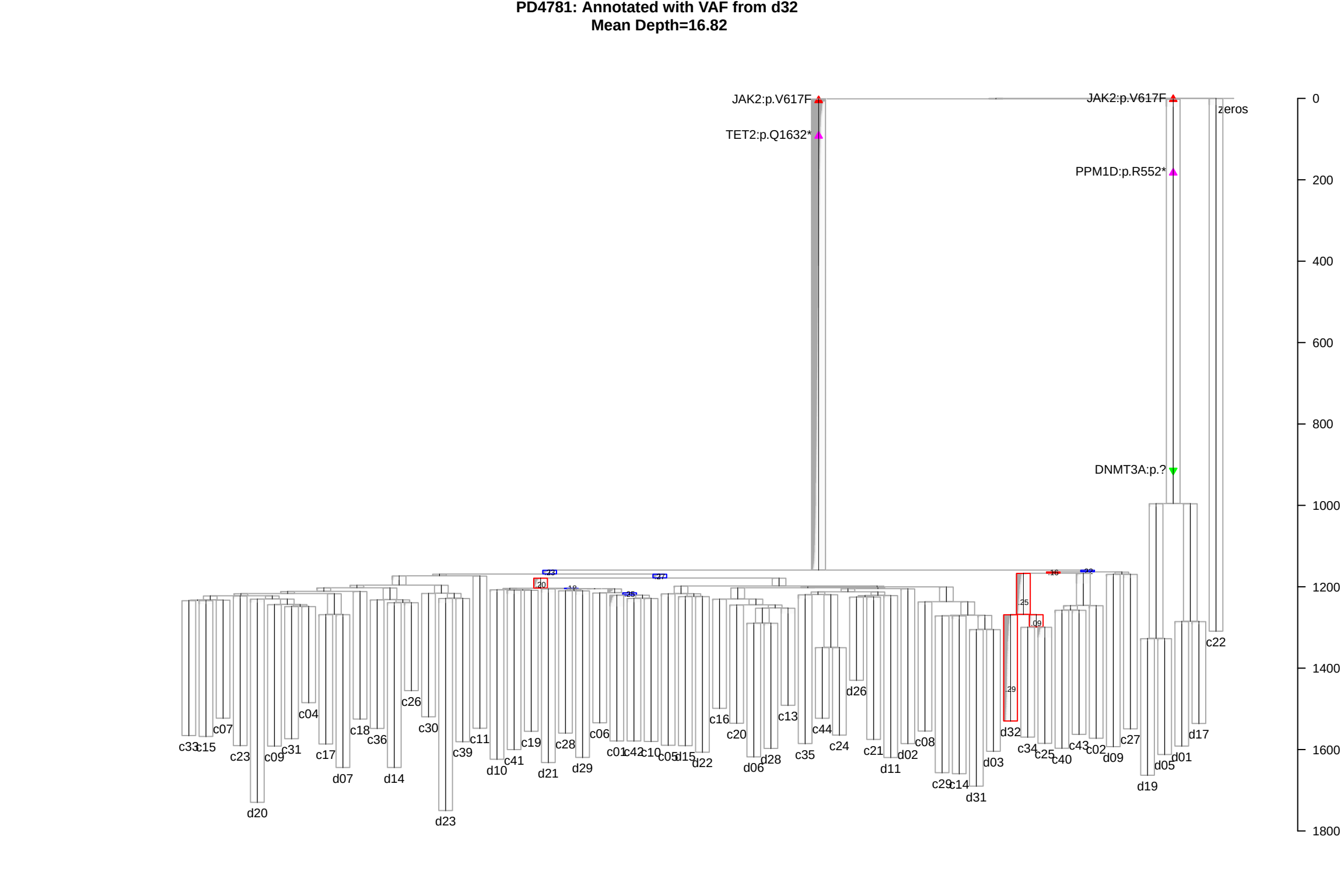

PD4781: Annotated with VAF from c29
Mean Depth=14.84
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
13.9
14.1
12.7
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22


PD4781: Annotated with VAF from c14
Mean Depth=13.88
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
13.2
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

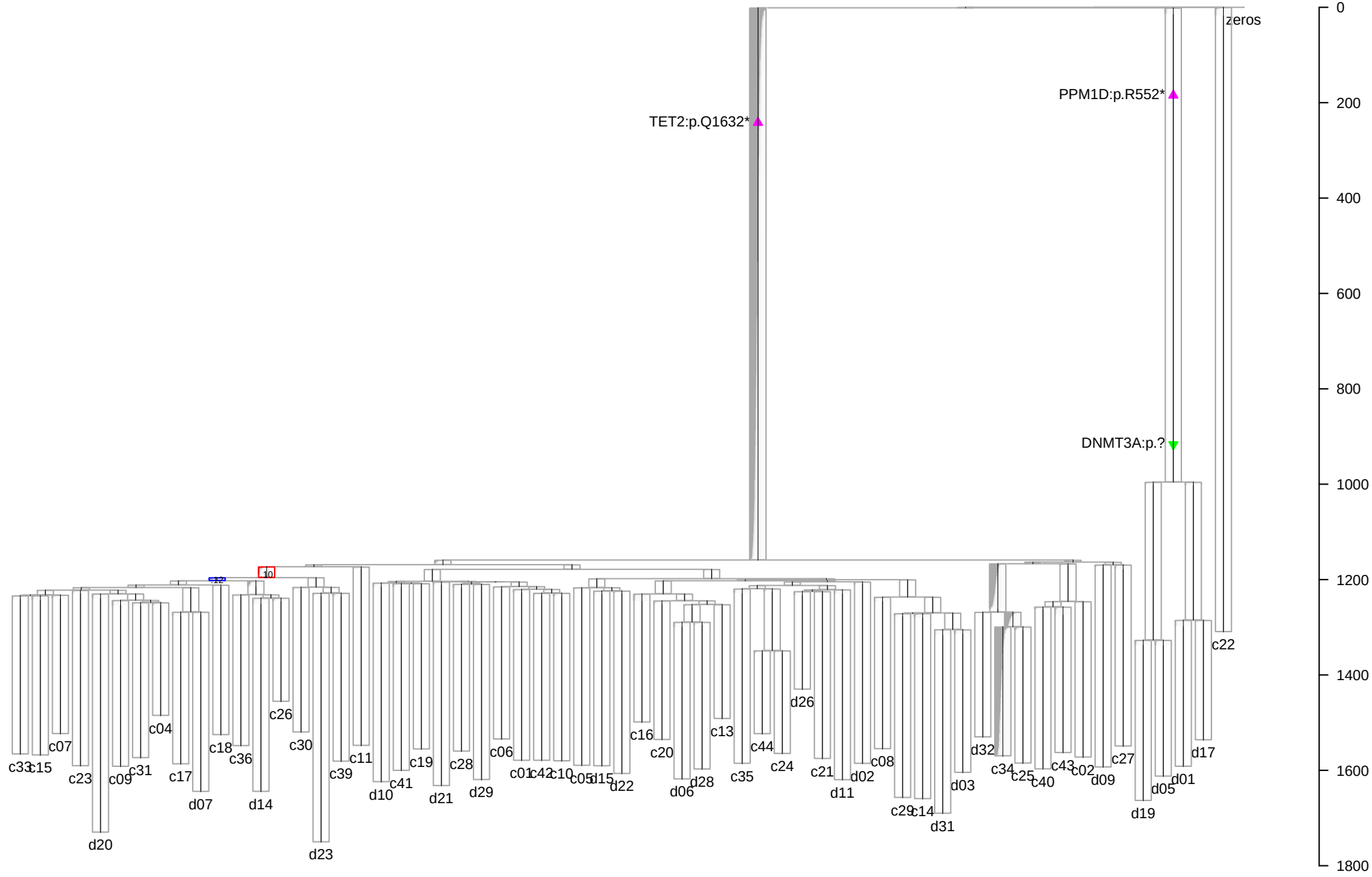
PD4781: Annotated with VAF from d31
Mean Depth=21.88

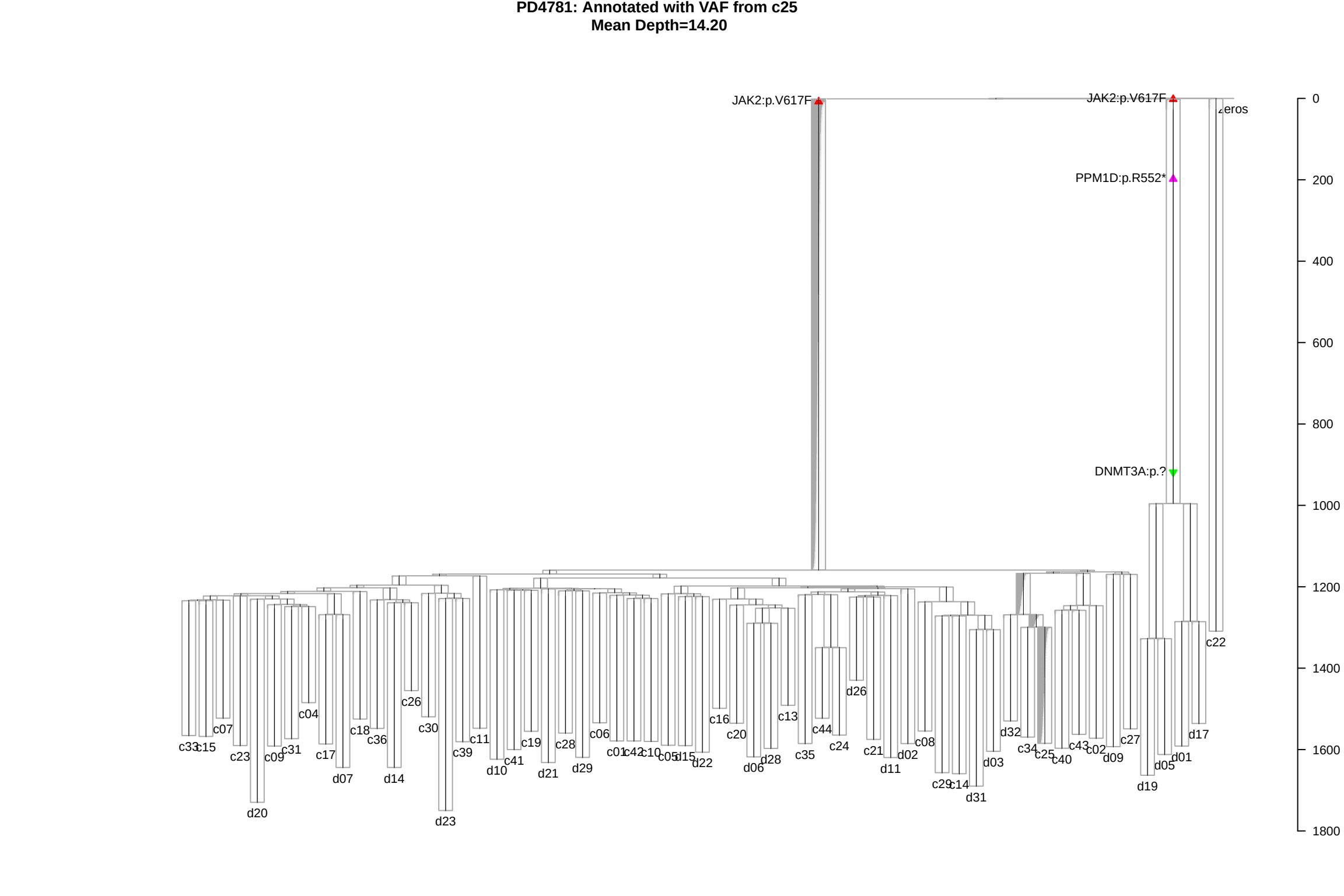



PD4781: Annotated with VAF from d03
Mean Depth=15.14
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
zeros
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
14.6
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

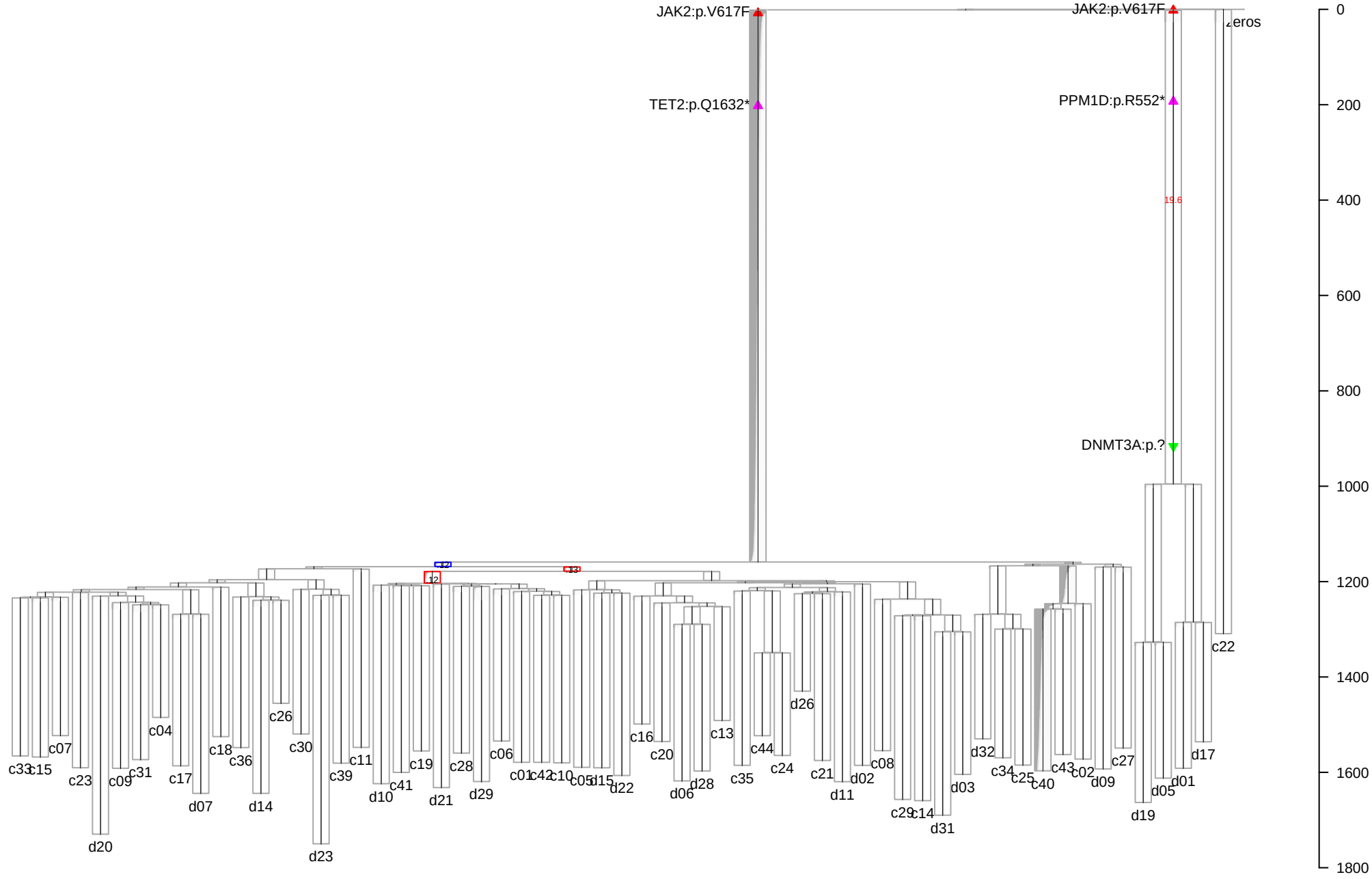

PD4781: Annotated with VAF from d32
Mean Depth=16.82
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
d15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

PD4781: Annotated with VAF from c34
Mean Depth=12.85

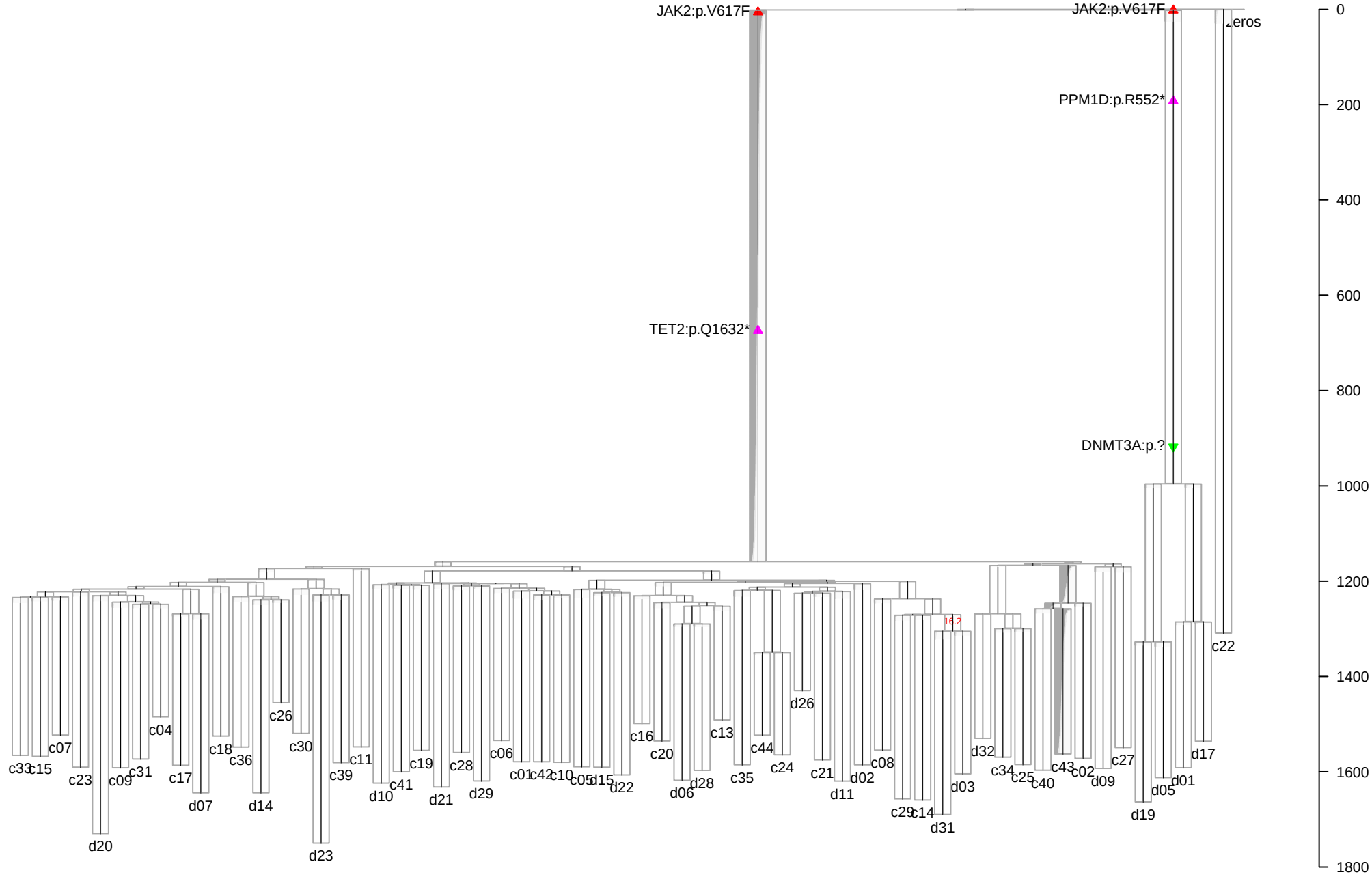


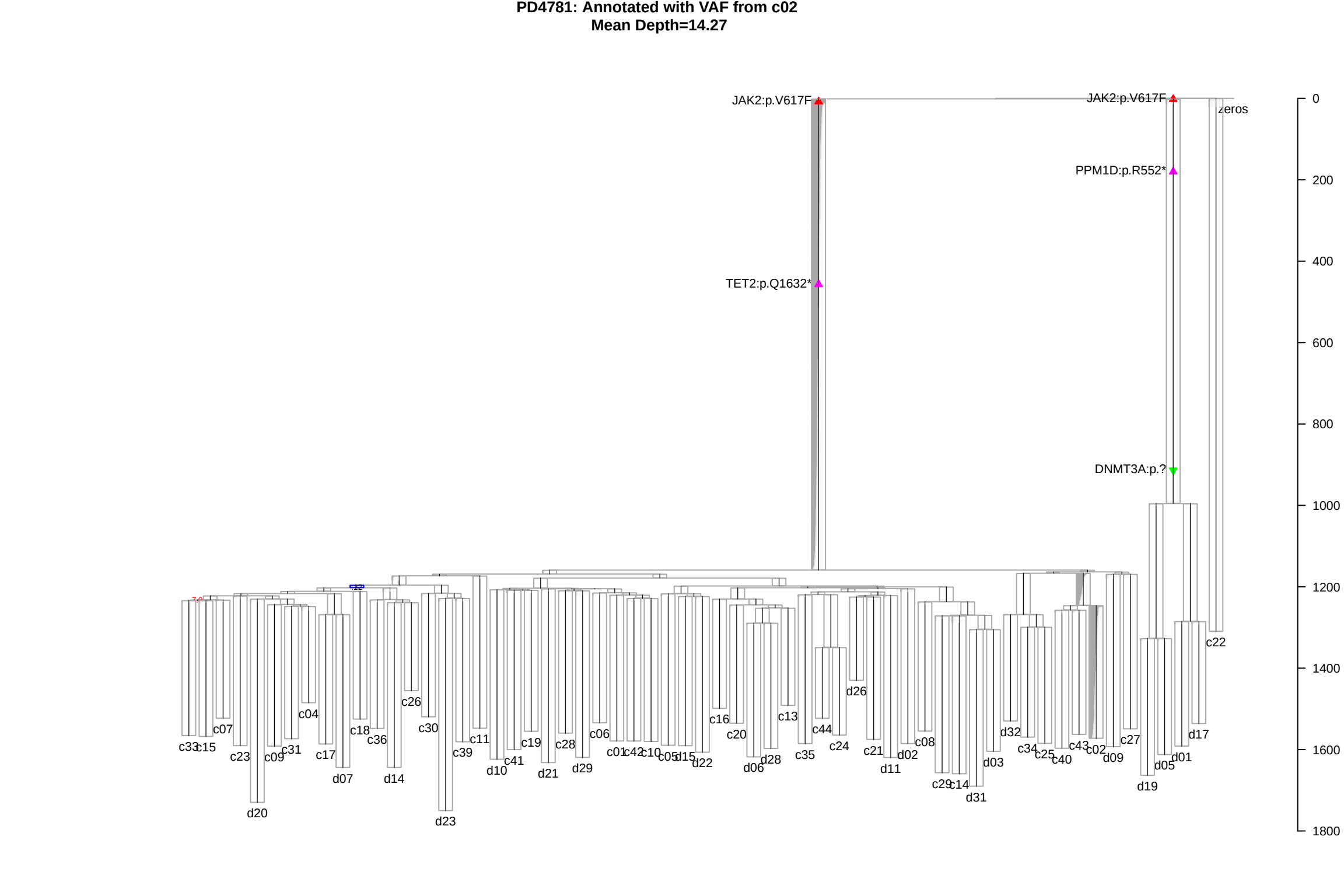

PD4781: Annotated with VAF from c25
Mean Depth=14.20
JAK2:p.V617F
JAK2:p.V617F
Zeros
PPM1D:p.R552*
DNMT3A:p.?
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
c39
c11
d23
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
d15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

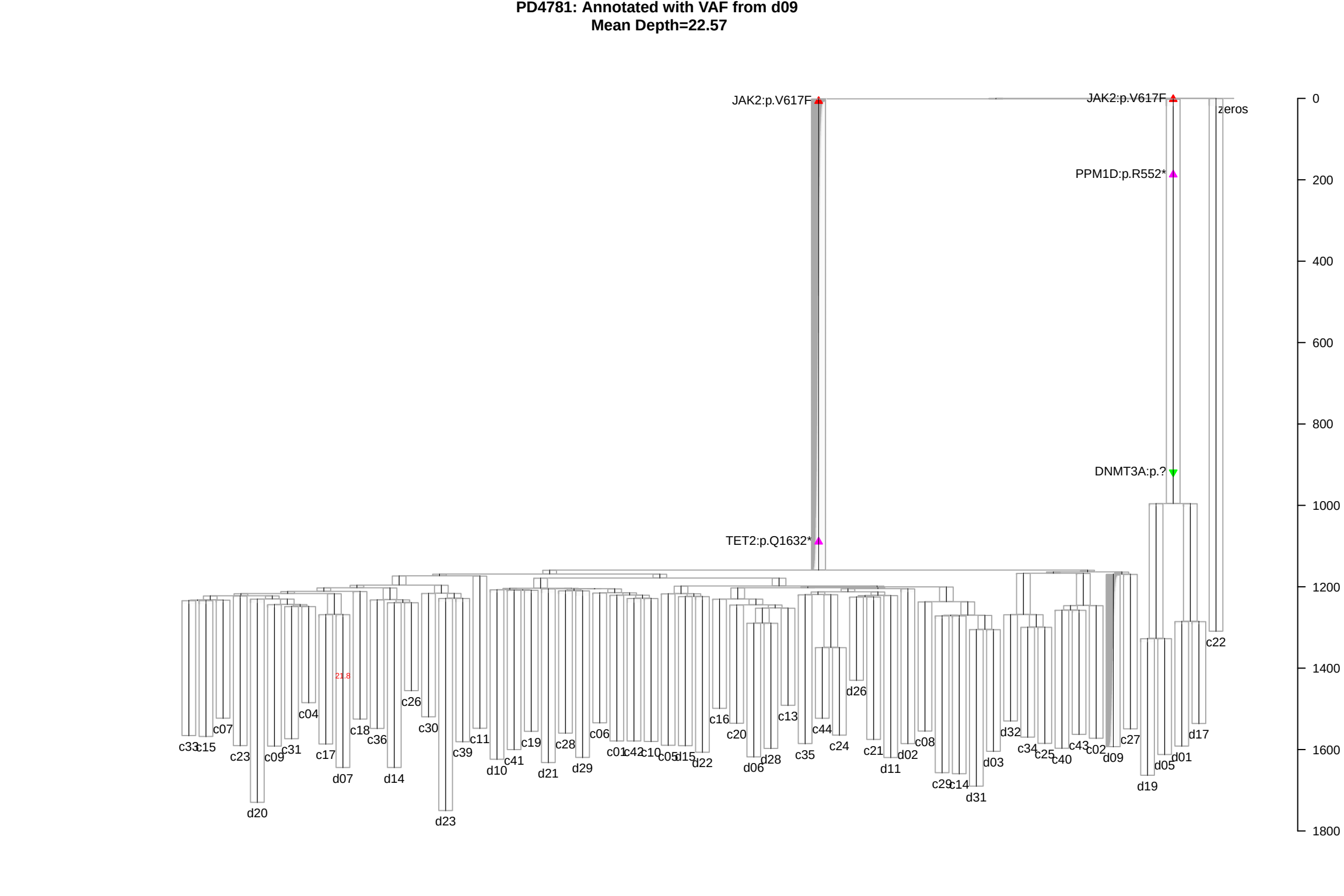
PD4781: Annotated with VAF from c40
Mean Depth=20.02

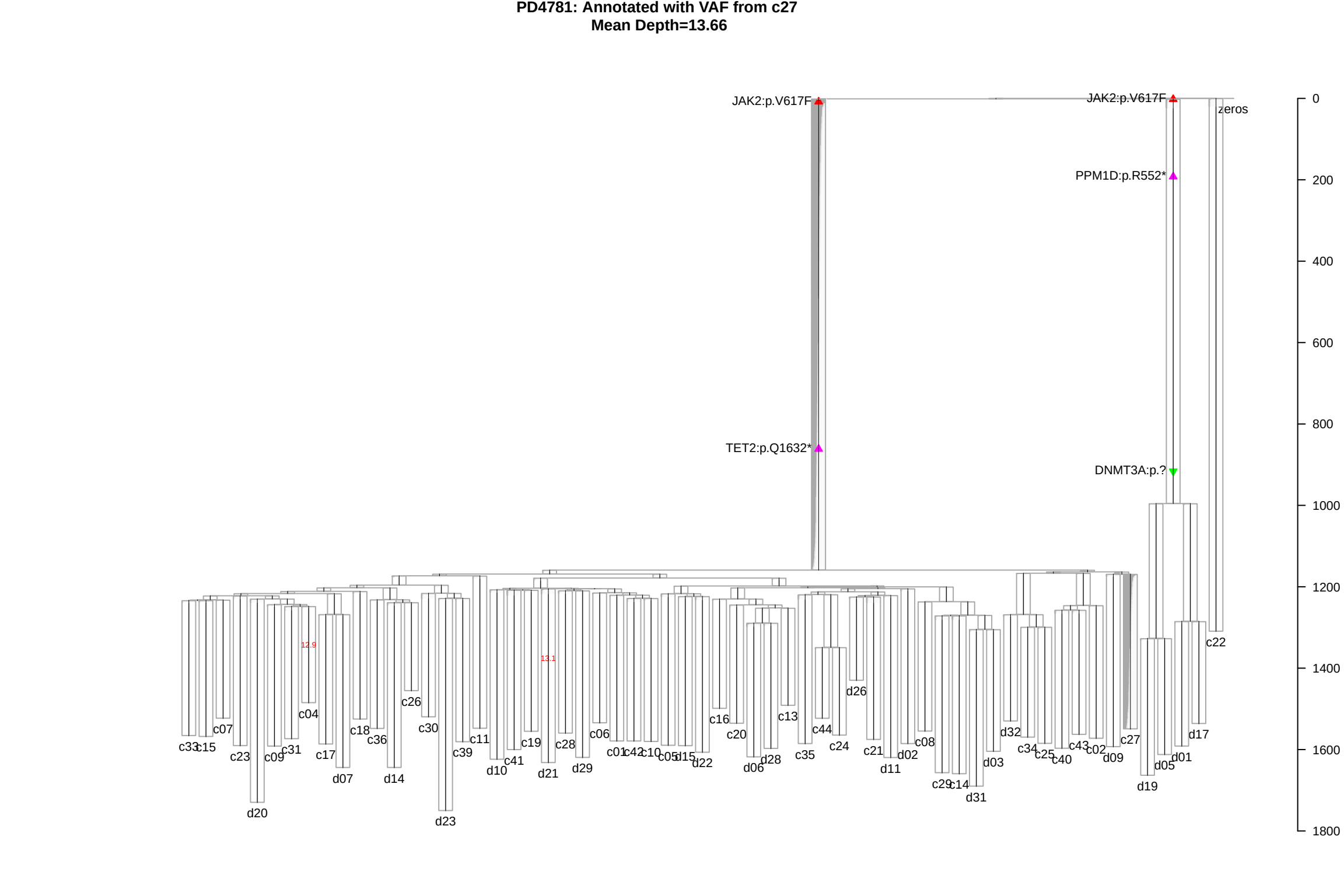


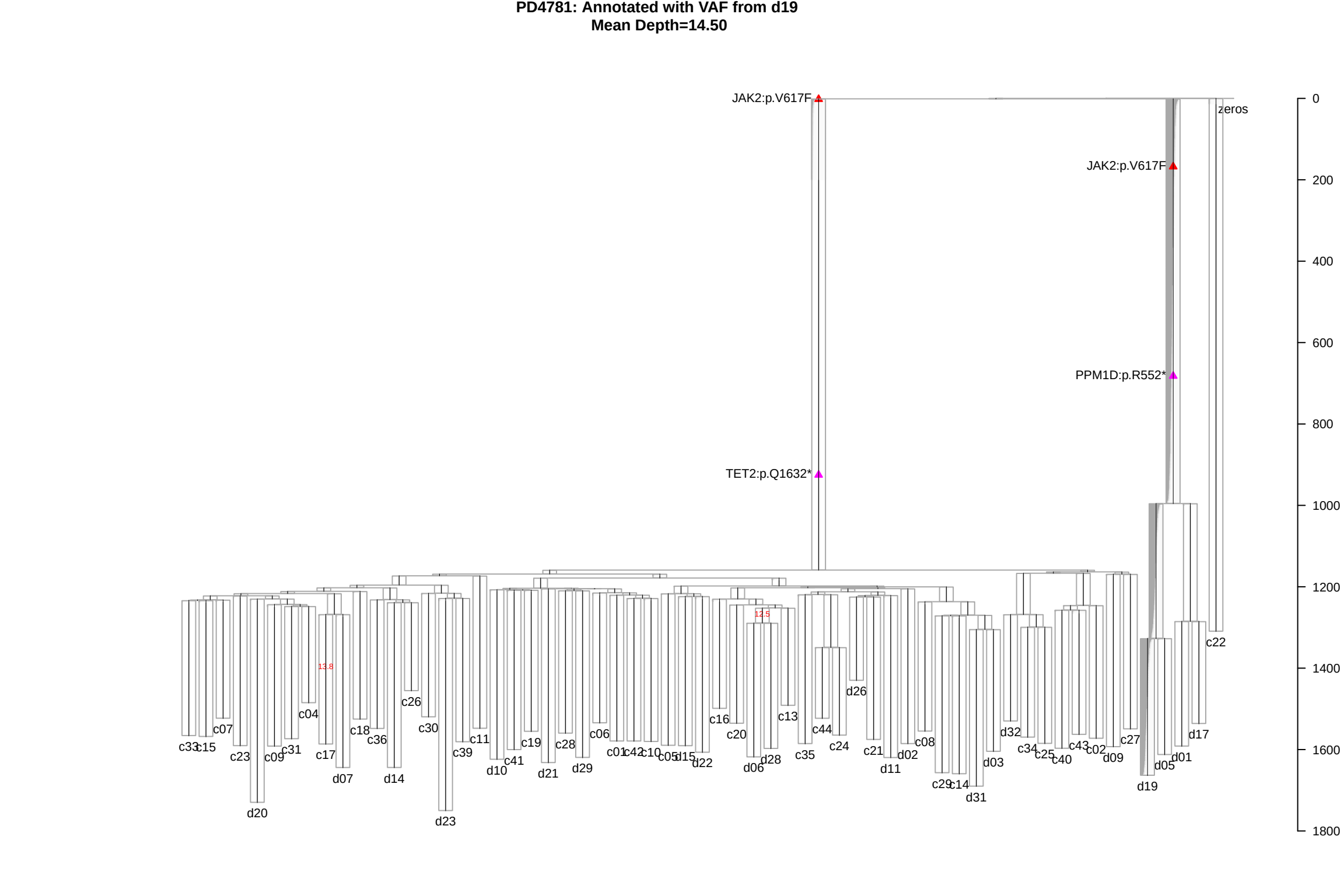
PD4781: Annotated with VAF from c43
Mean Depth=18.78



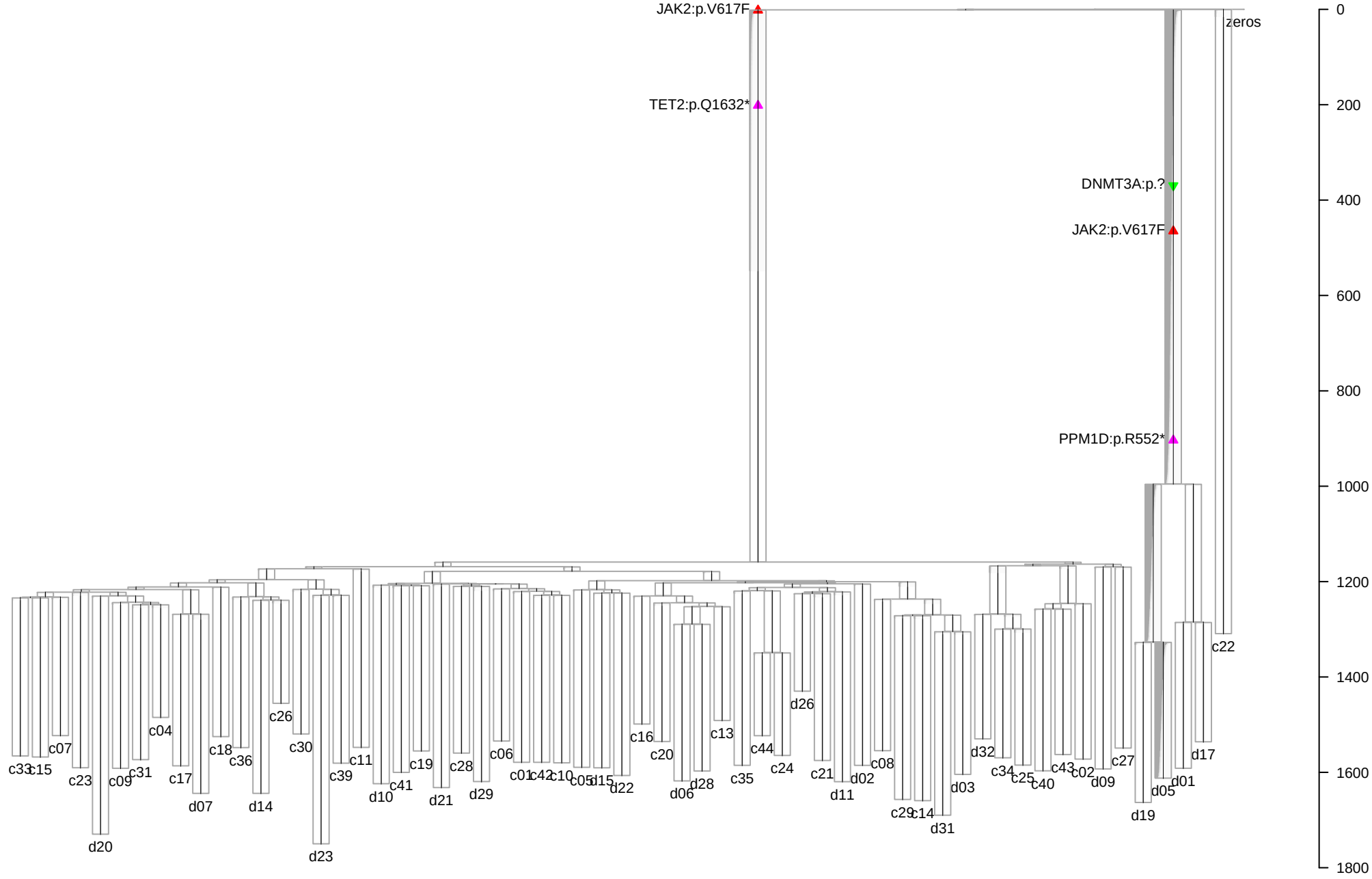

PD4781: Annotated with VAF from c02
Mean Depth=14.27
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
d26
c21
d02
c08
d32
c34
c25
c40
c43
c02
c27
d09
d17
d01
d05
d19
d03
d31
c14
d11
d06
d28
c35
d10
d21
d07
d14
d20
d23


PD4781: Annotated with VAF from d09
Mean Depth=22.57
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
DNMT3A:p.?
TET2:p.Q1632*
21.8
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22
0
200
400
600
800
1000
1200
1400
1600
1800

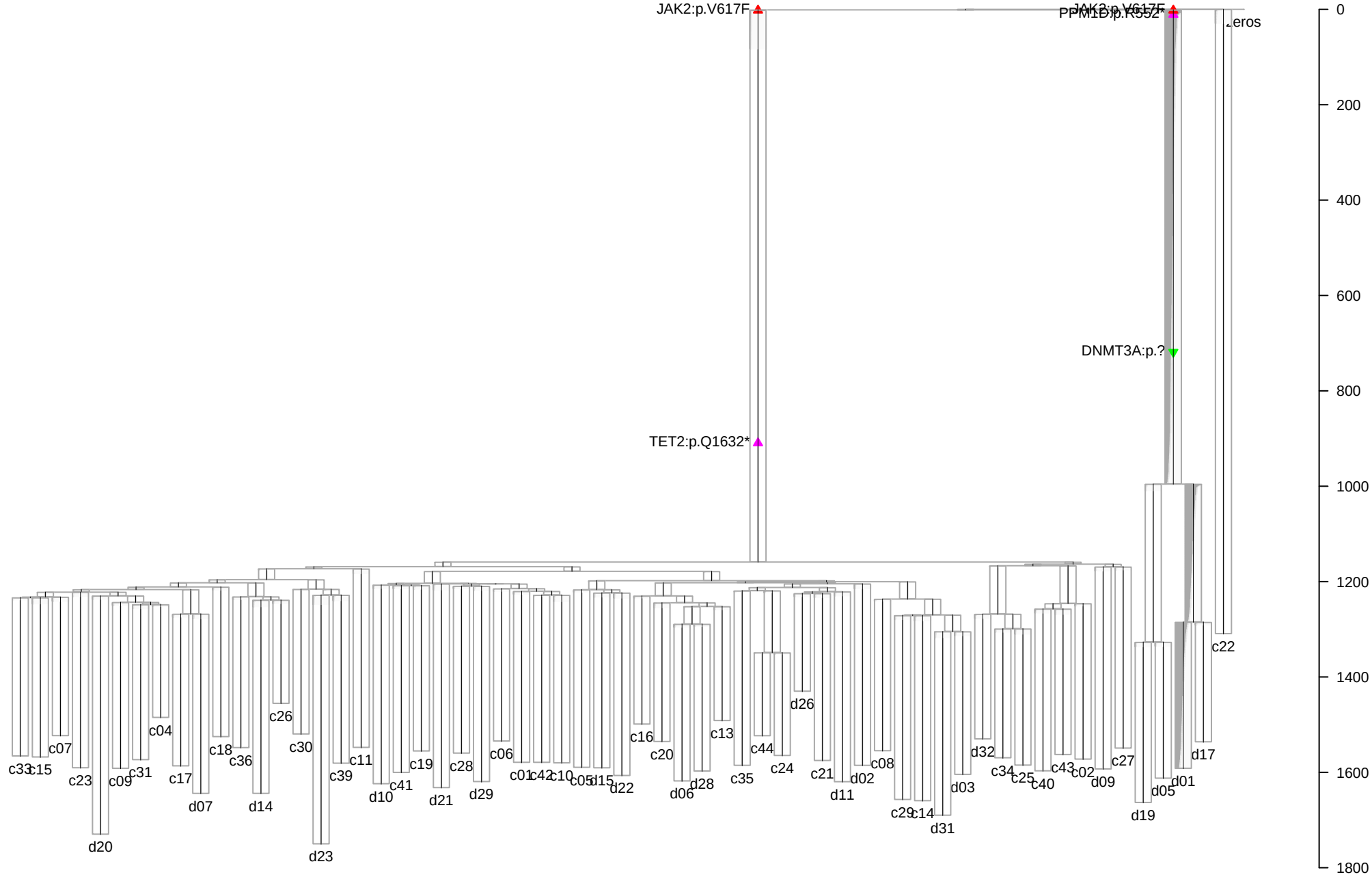

PD4781: Annotated with VAF from c27
Mean Depth=13.66
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
PPM1D:p.R552*
DNMT3A:p.?
zeros
0
200
400
600
800
1000
1200
1400
1600
1800
12.9
13.1
c33
c15
c07
c23
d20
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

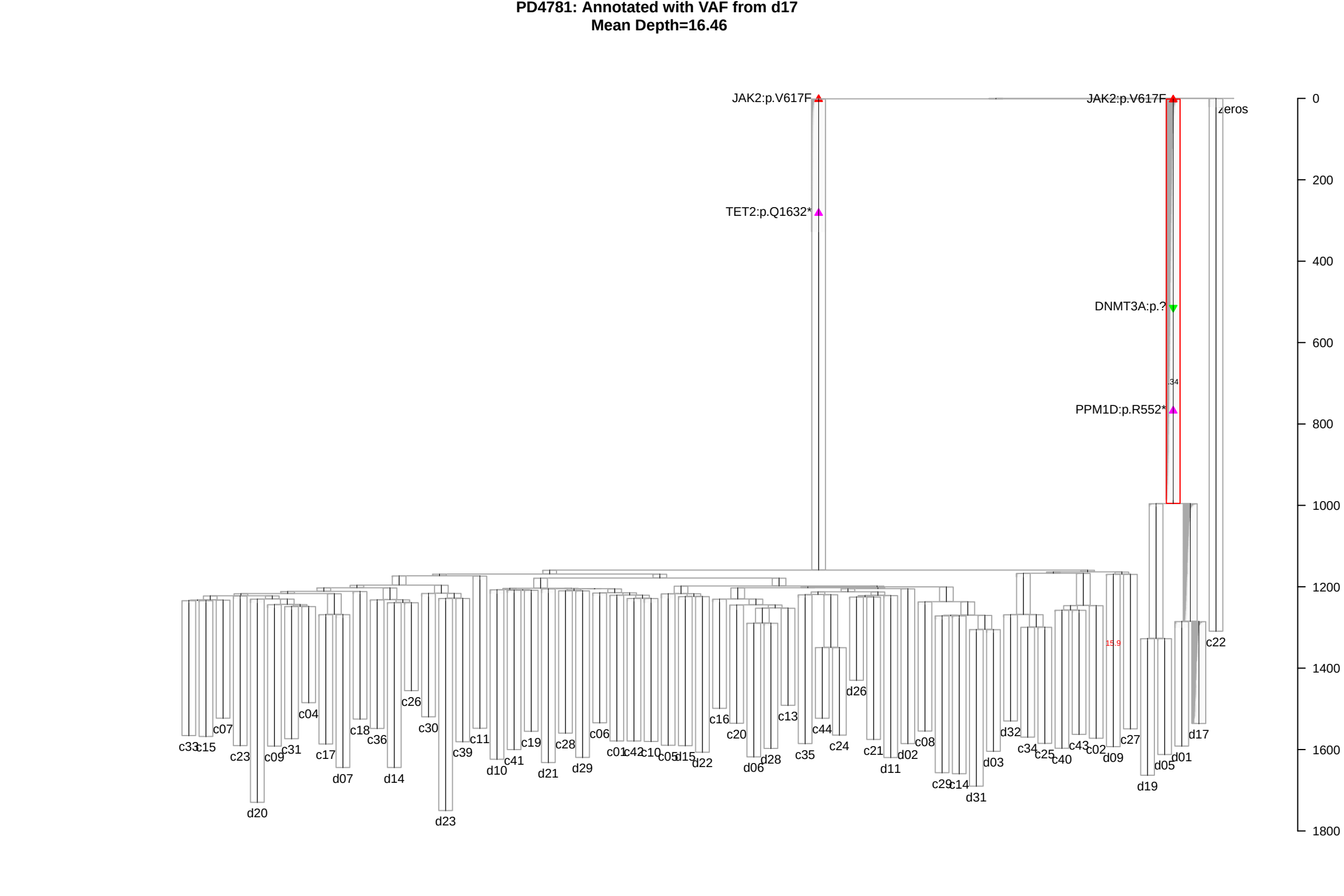

PD4781: Annotated with VAF from d19
Mean Depth=14.50
JAK2:p.V617F
JAK2:p.V617F
zeros
PPM1D:p.R552*
TET2:p.Q1632*
0
200
400
600
800
1000
1200
1400
1600
1800
13.8
12.5
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17
c22

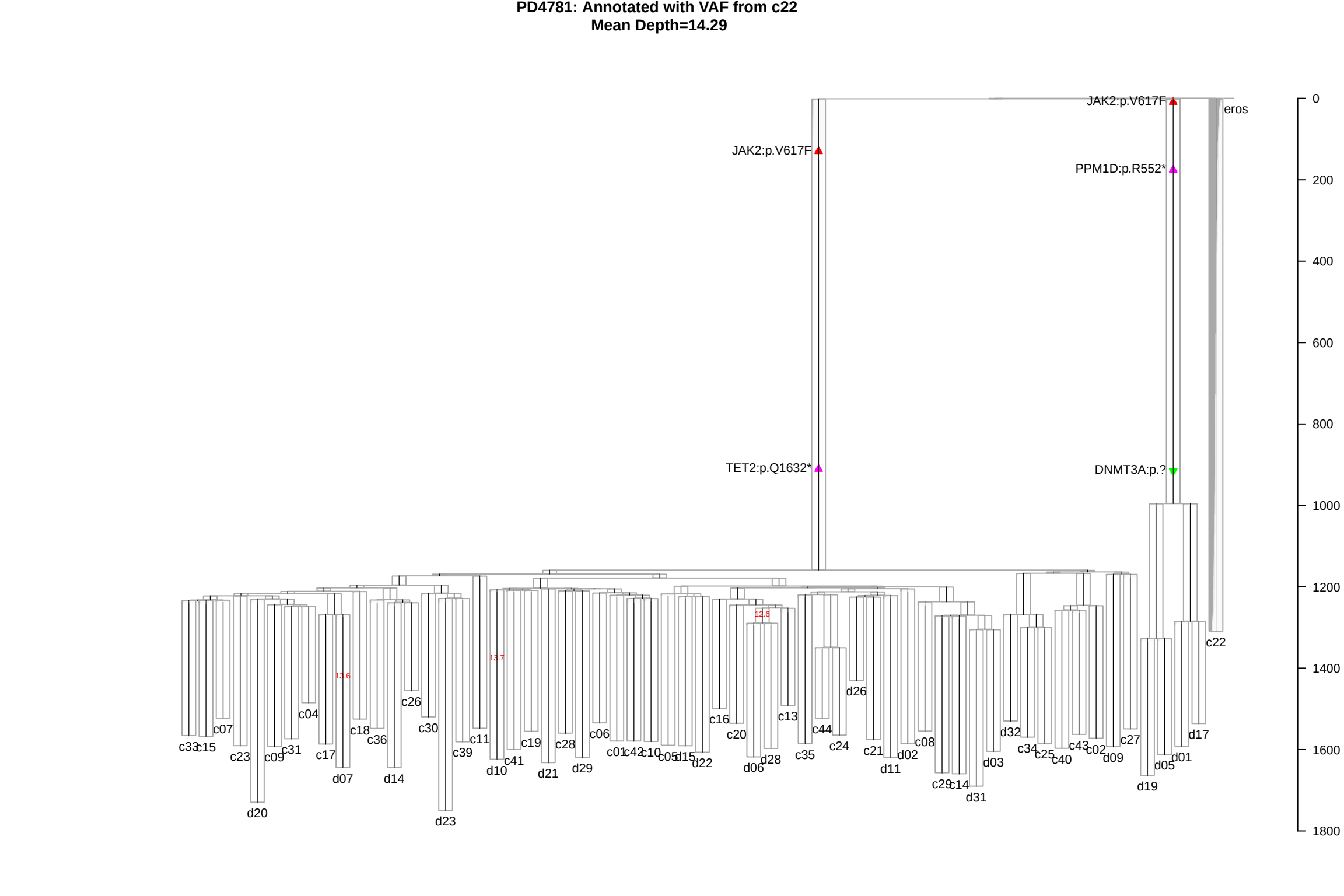
PD4781: Annotated with VAF from d05
Mean Depth=19.20



PD4781: Annotated with VAF from d01
Mean Depth=15.99




PD4781: Annotated with VAF from d17
Mean Depth=16.46
JAK2:p.V617F
TET2:p.Q1632*
JAK2:p.V617F
Zeros
DNMT3A:p.?
34
PPM1D:p.R552*
15.9
0
200
400
600
800
1000
1200
1400
1600
1800
c33
c15
c07
c23
c09
c31
c04
c17
c18
c36
c26
c30
c39
c11
c19
c41
c28
c29
c06
c01
c42
c10
c05
c15
c22
c16
c20
c13
c44
c24
c26
c21
c02
c08
c32
c34
c25
c40
c43
c02
c09
c27
d20
d07
d14
d23
d10
d21
d06
d28
d11
d31
d03
d19
d05
d01
d17


PD4781: Annotated with VAF from c22
Mean Depth=14.29
JAK2:p.V617F
JAK2:p.V617F
PPM1D:p.R552*
TET2:p.Q1632*
DNMT3A:p.?
eros
c22
0
200
400
600
800
1000
1200
1400
1600
1800
13.6
13.7
12.6
c33
c15
c07
c23
c09
c31
c04
c17
d07
c18
c36
d14
c26
c30
d20
d23
c39
c11
d10
c41
c19
d21
c28
d29
c06
c01
c42
c10
c05
c15
d22
c16
c20
d06
d28
c13
c35
c44
c24
d26
c21
d11
d02
c08
c29
c14
d31
d03
d32
c34
c25
c40
c43
c02
d09
c27
d19
d05
d01
d17