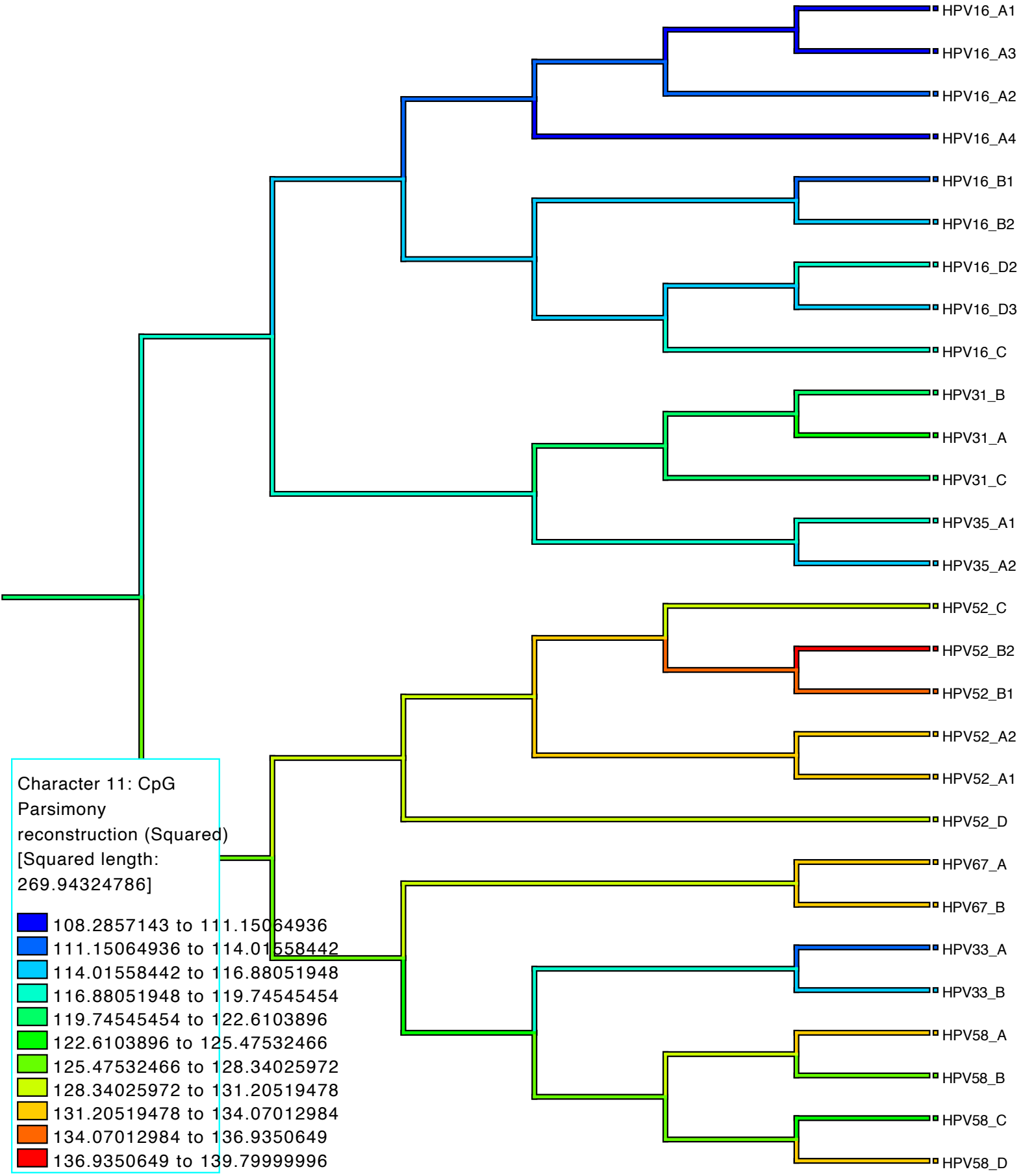
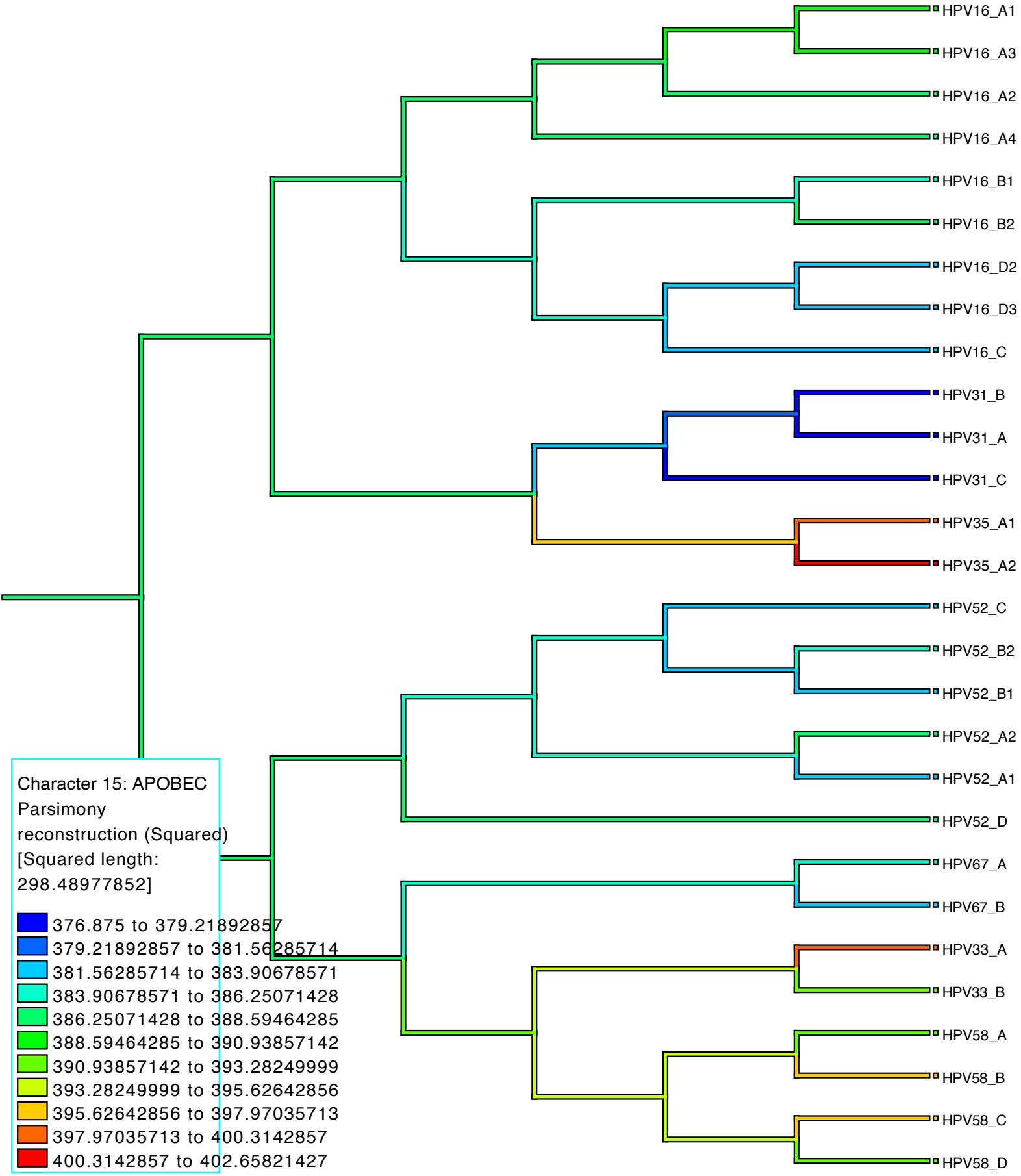
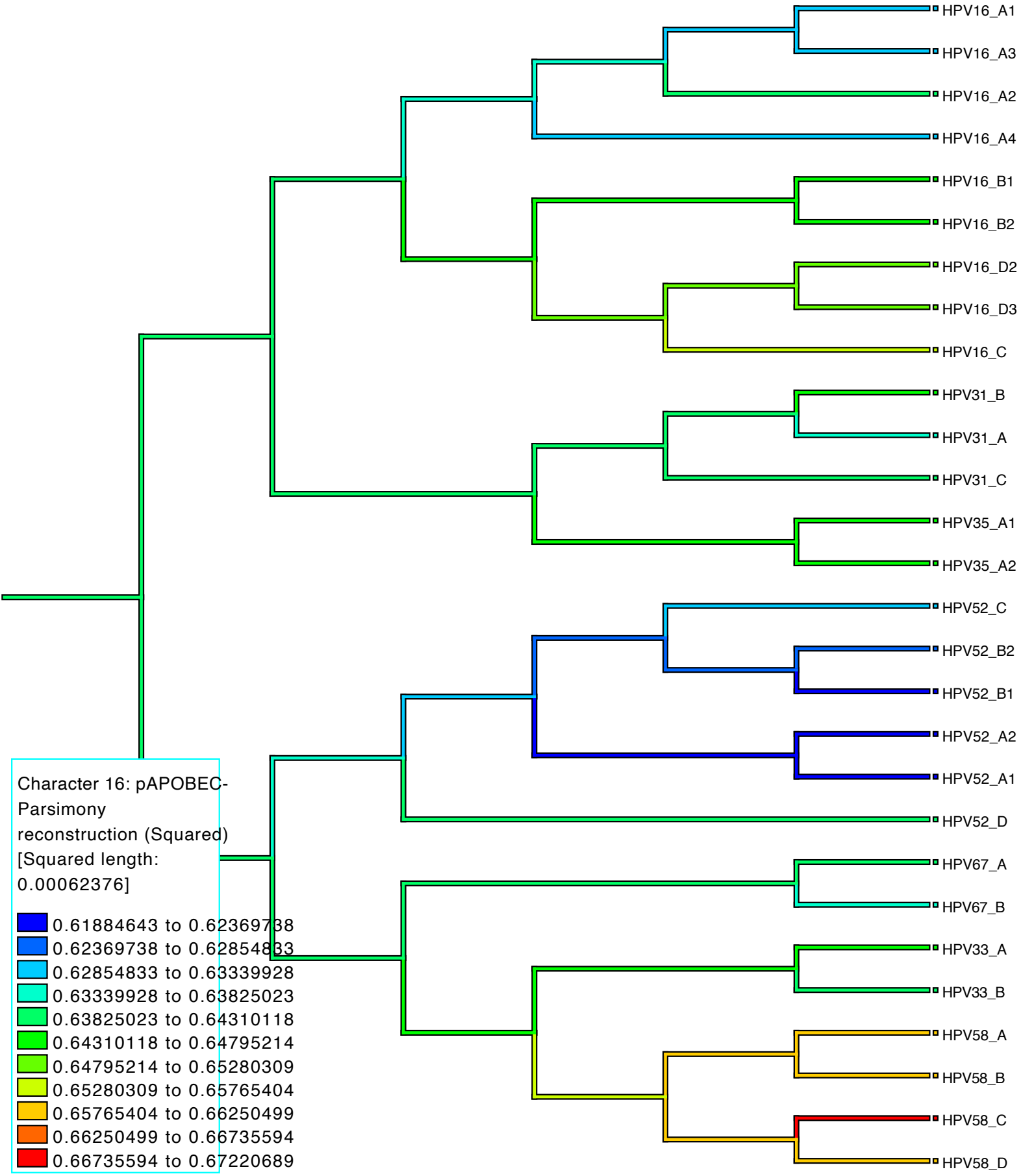
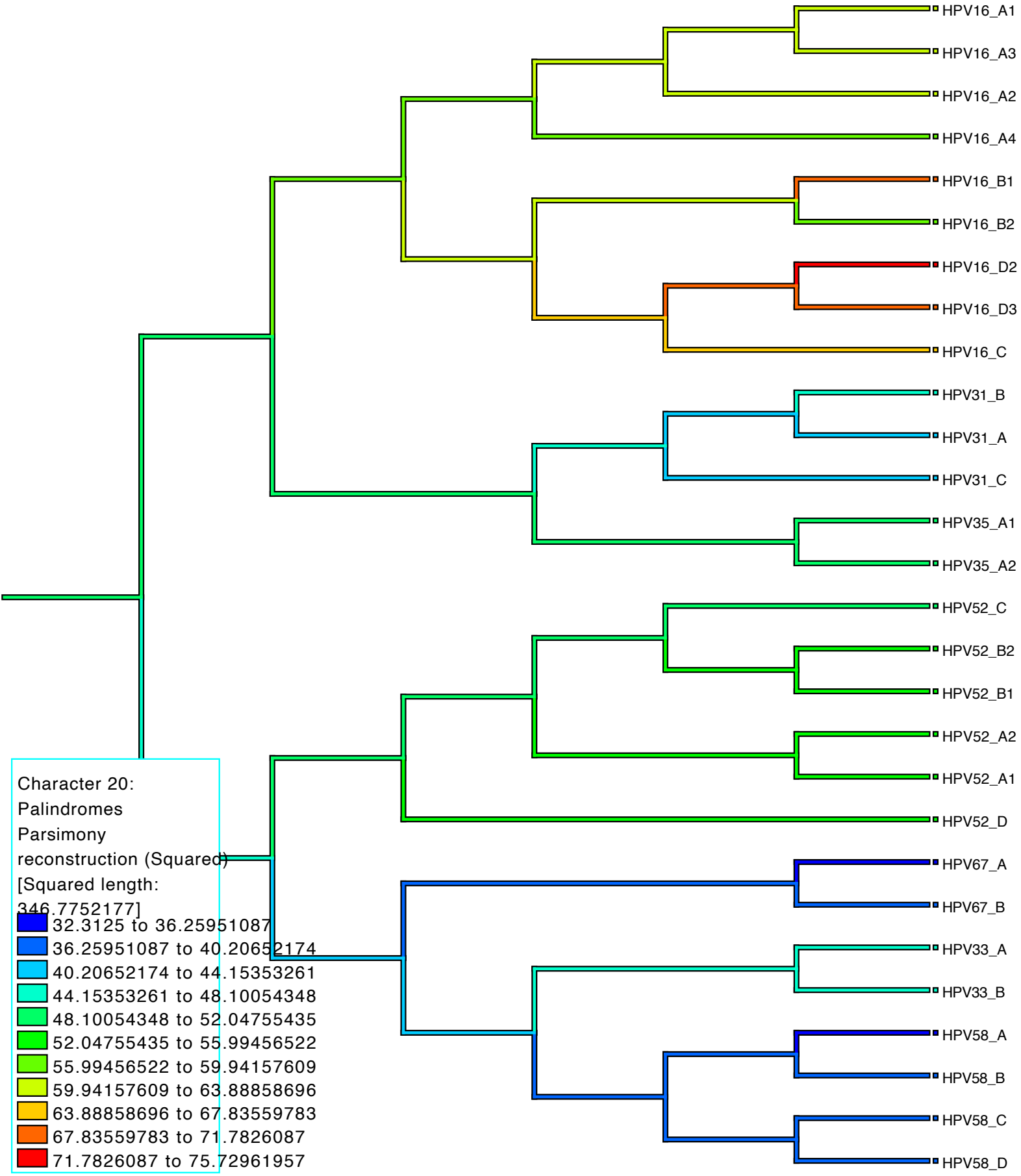
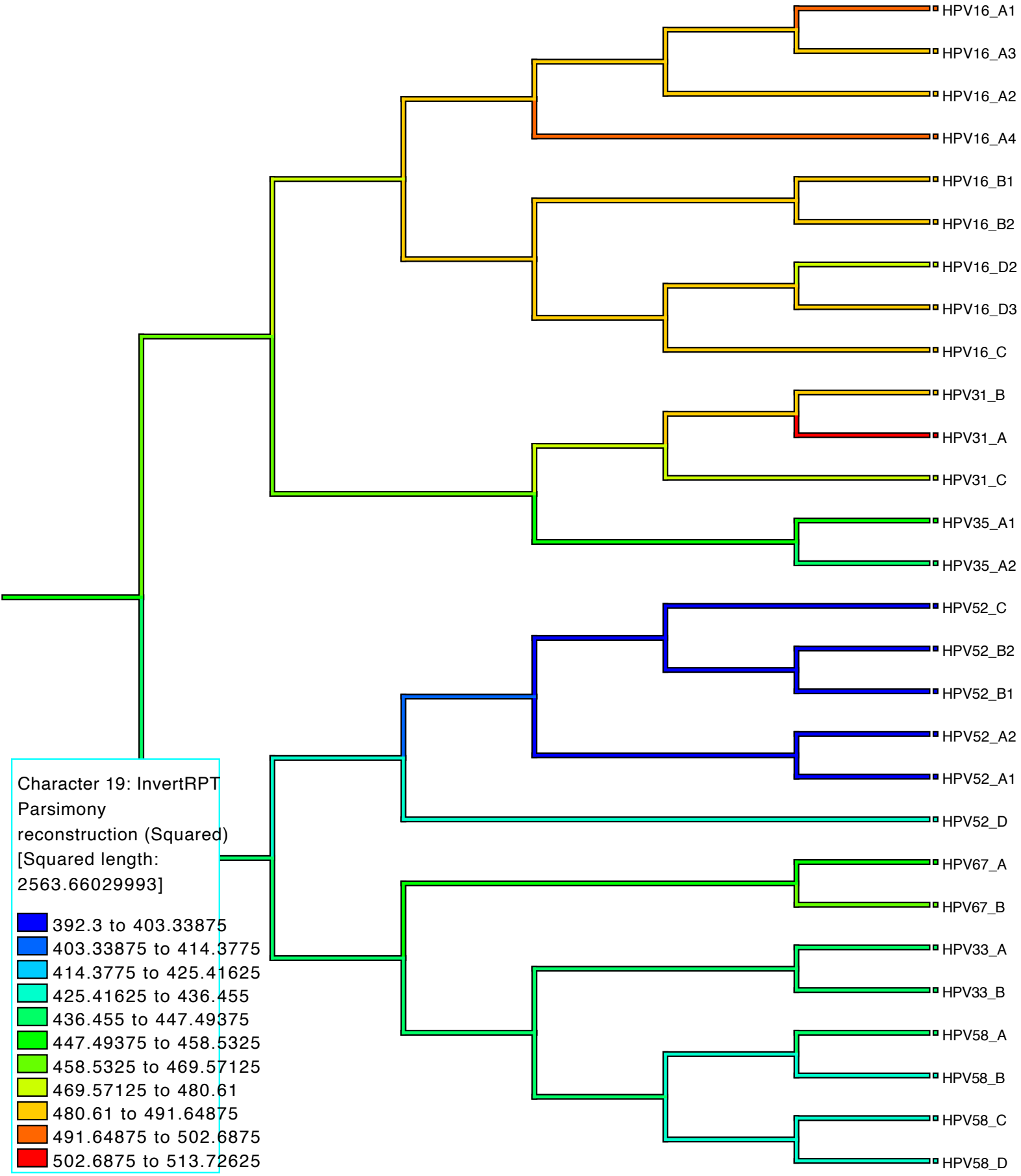
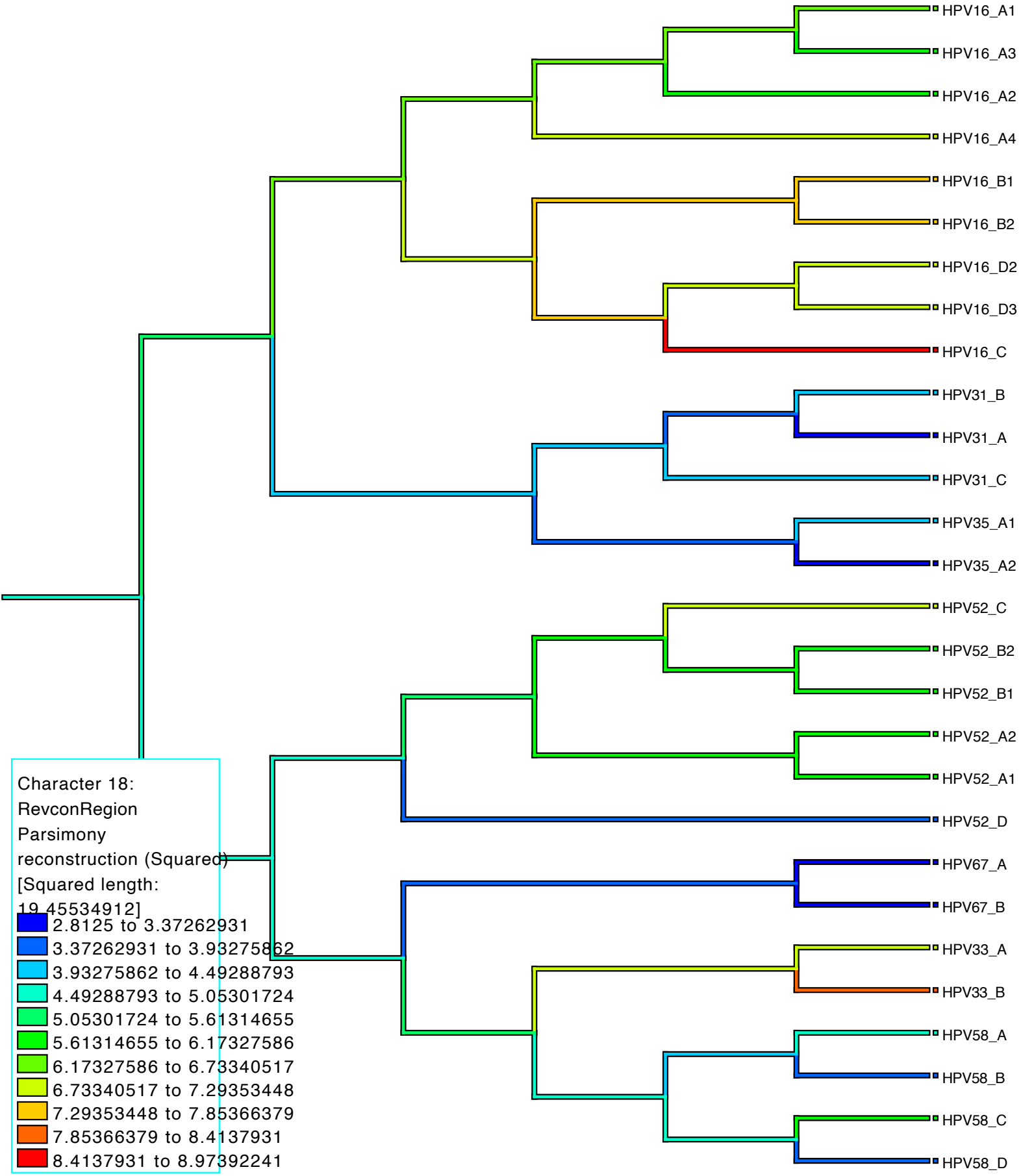

HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 11: CpG Parsimony reconstruction (Squared) [Squared length: 269.94324786]
108.2857143 to 111.15064936
111.15064936 to 114.01558442
114.01558442 to 116.88051948
116.88051948 to 119.74545454
119.74545454 to 122.6103896
122.6103896 to 125.47532466
125.47532466 to 128.34025972
128.34025972 to 131.20519478
131.20519478 to 134.07012984
134.07012984 to 136.9350649
136.9350649 to 139.79999996

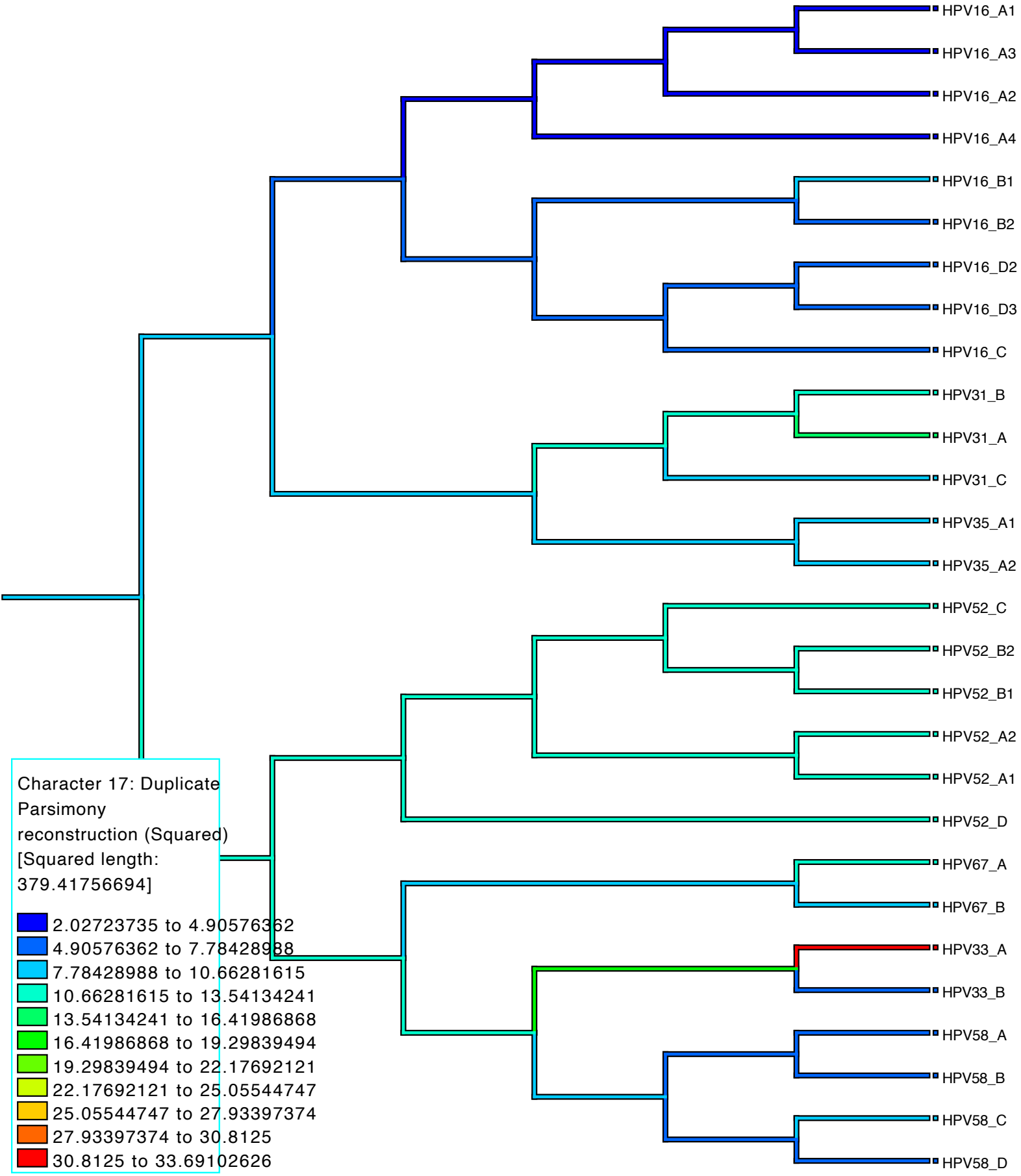

HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 15: APOBEC Parsimony reconstruction (Squared) [Squared length: 298.48977852]
376.875 to 379.21892857
379.21892857 to 381.56285714
381.56285714 to 383.90678571
383.90678571 to 386.25071428
386.25071428 to 388.59464285
388.59464285 to 390.93857142
390.93857142 to 393.28249999
393.28249999 to 395.62642856
395.62642856 to 397.97035713
397.97035713 to 400.3142857
400.3142857 to 402.65821427

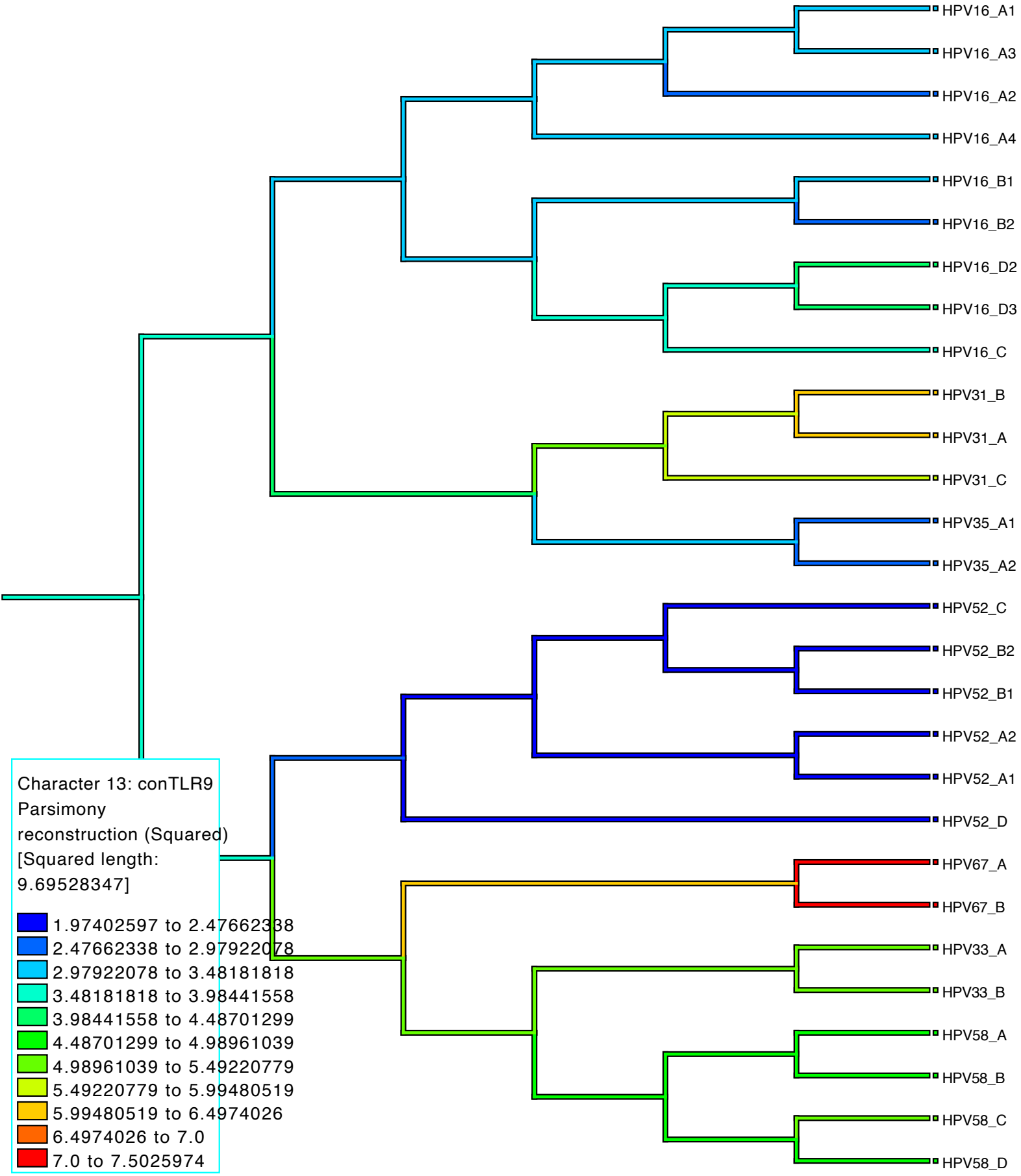

HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 16: pAPOBEC-Parsimony reconstruction (Squared) [Squared length: 0.00062376]
0.61884643 to 0.62369738
0.62369738 to 0.62854833
0.62854833 to 0.63339928
0.63339928 to 0.63825023
0.63825023 to 0.64310118
0.64310118 to 0.64795214
0.64795214 to 0.65280309
0.65280309 to 0.65765404
0.65765404 to 0.66250499
0.66250499 to 0.66735594
0.66735594 to 0.67220689

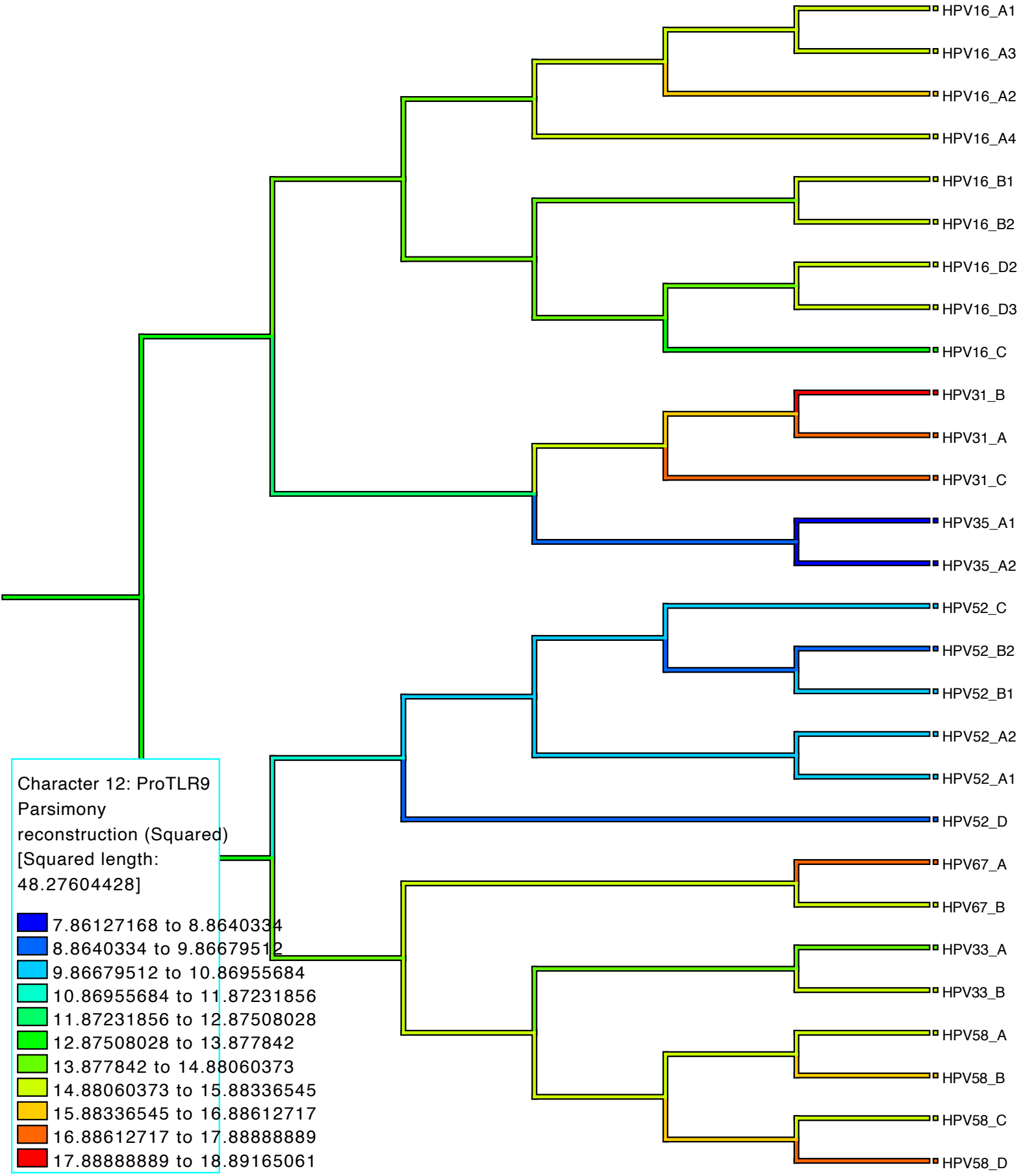

HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 20:
Palindromes
Parsimony
reconstruction (Squared)
[Squared length:
346.7752177]
32.3125 to 36.25951087
36.25951087 to 40.20652174
40.20652174 to 44.15353261
44.15353261 to 48.10054348
48.10054348 to 52.04755435
52.04755435 to 55.99456522
55.99456522 to 59.94157609
59.94157609 to 63.88858696
63.88858696 to 67.83559783
67.83559783 to 71.7826087
71.7826087 to 75.72961957

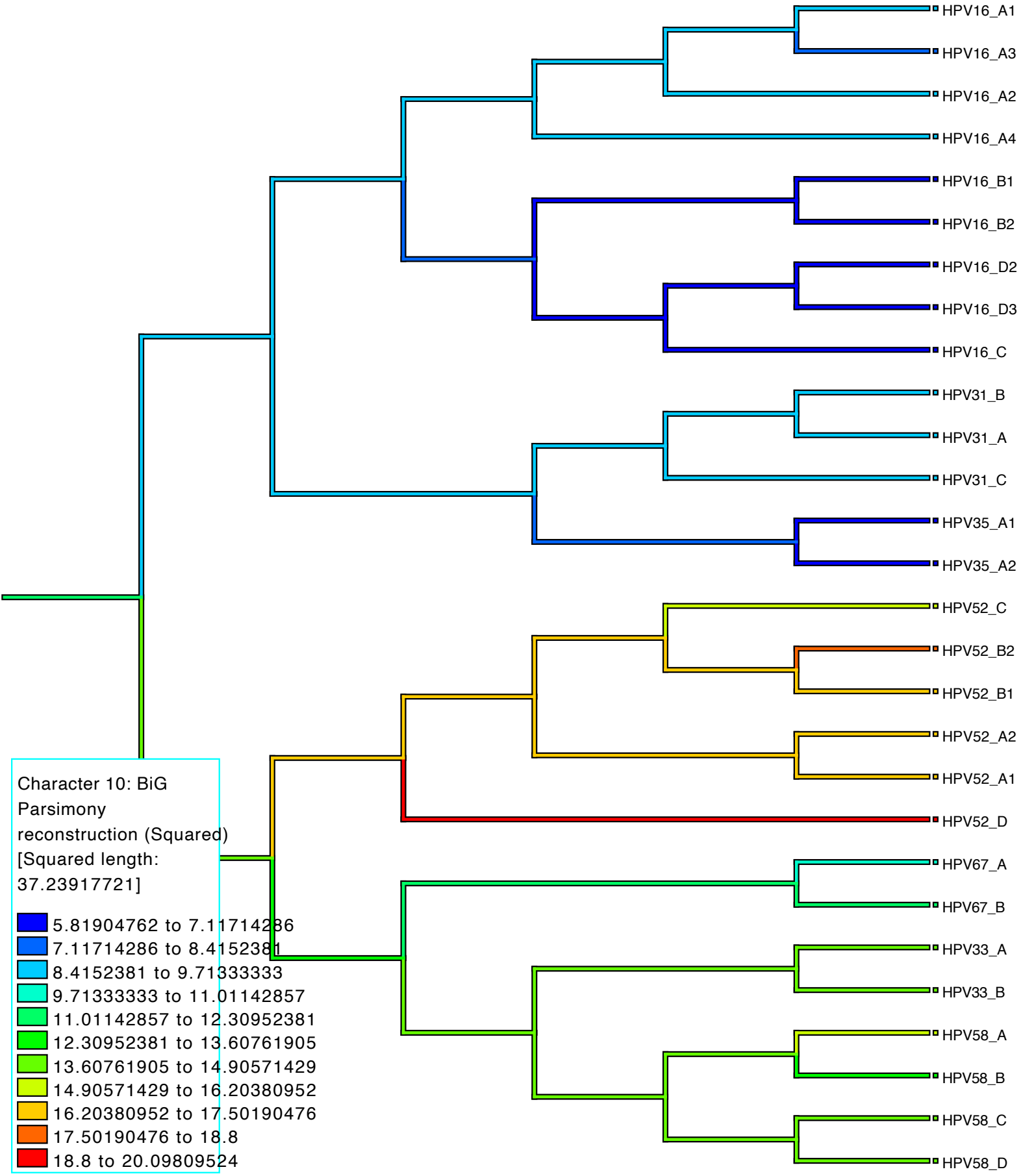

HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 19: InvertRPT
Parsimony
reconstruction (Squared)
[Squared length:
2563.66029993]
392.3 to 403.33875
403.33875 to 414.3775
414.3775 to 425.41625
425.41625 to 436.455
436.455 to 447.49375
447.49375 to 458.5325
458.5325 to 469.57125
469.57125 to 480.61
480.61 to 491.64875
491.64875 to 502.6875
502.6875 to 513.72625


HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 18:
RevconRegion
Parsimony
reconstruction (Squared)
[Squared length:
19.45534912]
2.8125 to 3.37262931
3.37262931 to 3.93275862
3.93275862 to 4.49288793
4.49288793 to 5.05301724
5.05301724 to 5.61314655
5.61314655 to 6.17327586
6.17327586 to 6.73340517
6.73340517 to 7.29353448
7.29353448 to 7.85366379
7.85366379 to 8.4137931
8.4137931 to 8.97392241


HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 17: Duplicate
Parsimony
reconstruction (Squared)
[Squared length:
379.41756694]
2.02723735 to 4.90576362
4.90576362 to 7.78428988
7.78428988 to 10.66281615
10.66281615 to 13.54134241
13.54134241 to 16.41986868
16.41986868 to 19.29839494
19.29839494 to 22.17692121
22.17692121 to 25.05544747
25.05544747 to 27.93397374
27.93397374 to 30.8125
30.8125 to 33.69102626


HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 13: conTLR9
Parsimony
reconstruction (Squared)
[Squared length:
9.69528347]
1.97402597 to 2.47662338
2.47662338 to 2.97922078
2.97922078 to 3.48181818
3.48181818 to 3.98441558
3.98441558 to 4.48701299
4.48701299 to 4.98961039
4.98961039 to 5.49220779
5.49220779 to 5.99480519
5.99480519 to 6.4974026
6.4974026 to 7.0
7.0 to 7.5025974


HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 12: ProTLR9
Parsimony
reconstruction (Squared)
[Squared length:
48.27604428]
7.86127168 to 8.8640334
8.8640334 to 9.86679512
9.86679512 to 10.86955684
10.86955684 to 11.87231856
11.87231856 to 12.87508028
12.87508028 to 13.877842
13.877842 to 14.88060373
14.88060373 to 15.88336545
15.88336545 to 16.88612717
16.88612717 to 17.88888889
17.88888889 to 18.89165061


HPV16_A1
HPV16_A3
HPV16_A2
HPV16_A4
HPV16_B1
HPV16_B2
HPV16_D2
HPV16_D3
HPV16_C
HPV31_B
HPV31_A
HPV31_C
HPV35_A1
HPV35_A2
HPV52_C
HPV52_B2
HPV52_B1
HPV52_A2
HPV52_A1
HPV52_D
HPV67_A
HPV67_B
HPV33_A
HPV33_B
HPV58_A
HPV58_B
HPV58_C
HPV58_D
Character 10: BiG Parsimony reconstruction (Squared) [Squared length: 37.23917721]
5.81904762 to 7.11714286
7.11714286 to 8.4152381
8.4152381 to 9.71333333
9.71333333 to 11.01142857
11.01142857 to 12.30952381
12.30952381 to 13.60761905
13.60761905 to 14.90571429
14.90571429 to 16.20380952
16.20380952 to 17.50190476
17.50190476 to 18.8
18.8 to 20.09809524