Node A:

 All trees:

 No synapomorphies

Node B:

 All trees:

 Char. 12: 3 --> 2

 Char. 14: 3 --> 2

 Char. 26: 0 --> 1

 Char. 27: 0 --> 1

 Char. 35: 0 --> 1

Node C:

 All trees:

 Char. 22: 0 --> 1

 Char. 23: 0 --> 1

 Char. 33: 0 --> 1

 Some trees:

 Char. 15: 0 --> 1

Node D:

 All trees:

 Char. 11: 0 --> 1

 Char. 30: 1 --> 2

 Char. 32: 0 --> 2

 Char. 34: 0 --> 2

Node E:

 All trees:

 Char. 7: 0 --> 1

 Char. 26: 1 --> 2

 Char. 27: 1 --> 2

 Char. 28: 1 --> 2

 Some trees:

 Char. 4: 0 --> 1

 Char. 25: 0 --> 2

Node F:

 All trees:

 Char. 5: 0 --> 1

 Char. 16: 0 --> 1

 Some trees:

 Char. 1: 0 --> 2

 Char. 2: 01 --> 2

 Char. 12: 2 --> 0

 Char. 13: 3 --> 1

 Char. 15: 1 --> 2

Node G:

 All trees:

 Char. 7: 1 --> 2

 Some trees:

 Char. 4: 1 --> 3

 Char. 6: 0 --> 2

 Char. 10: 1 --> 2

 Char. 11: 1 --> 2

 Char. 24: 0 --> 2