

Character: Character 2

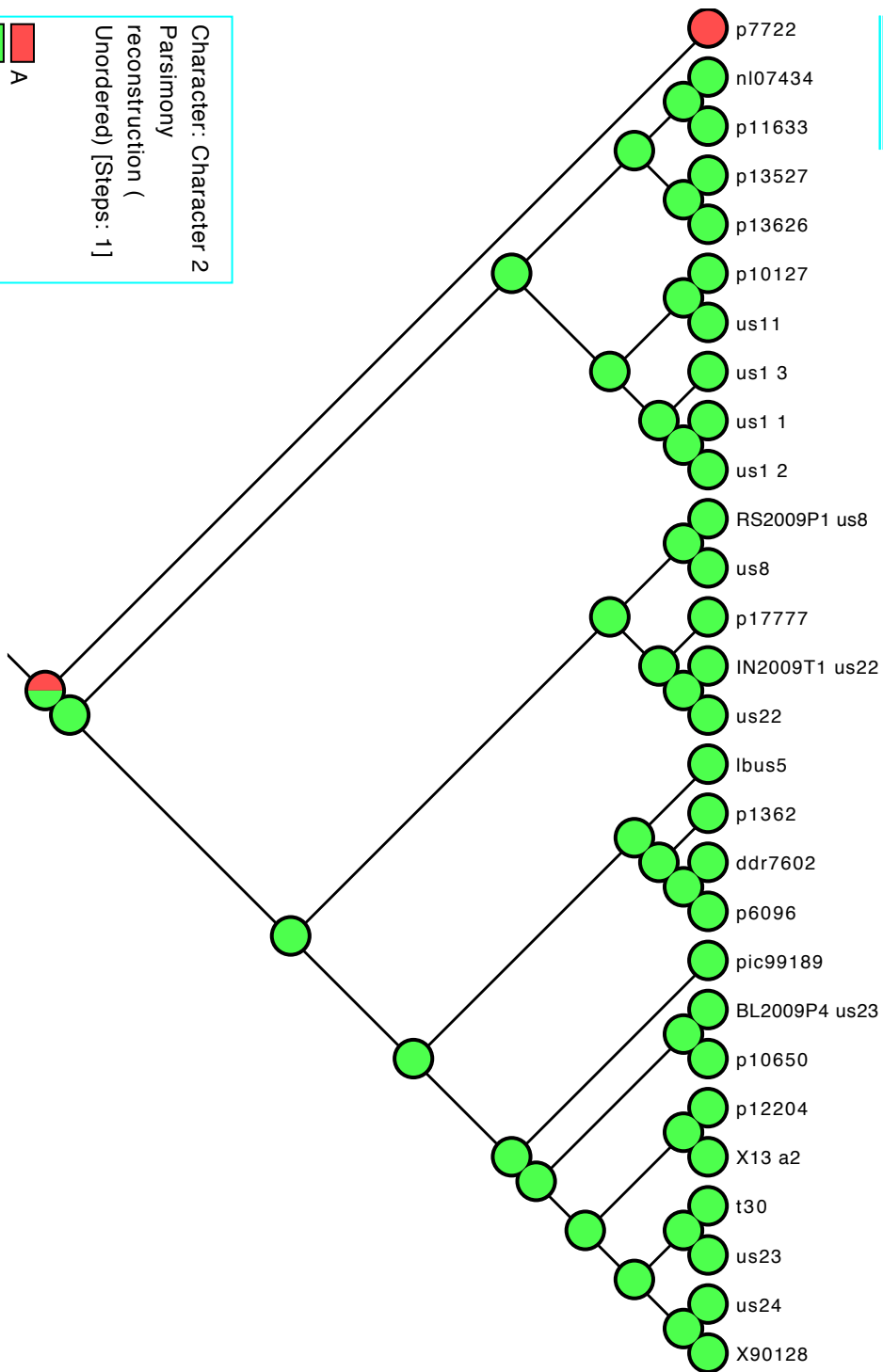
Parsimony reconstruction (Unordered) [Steps: 1]

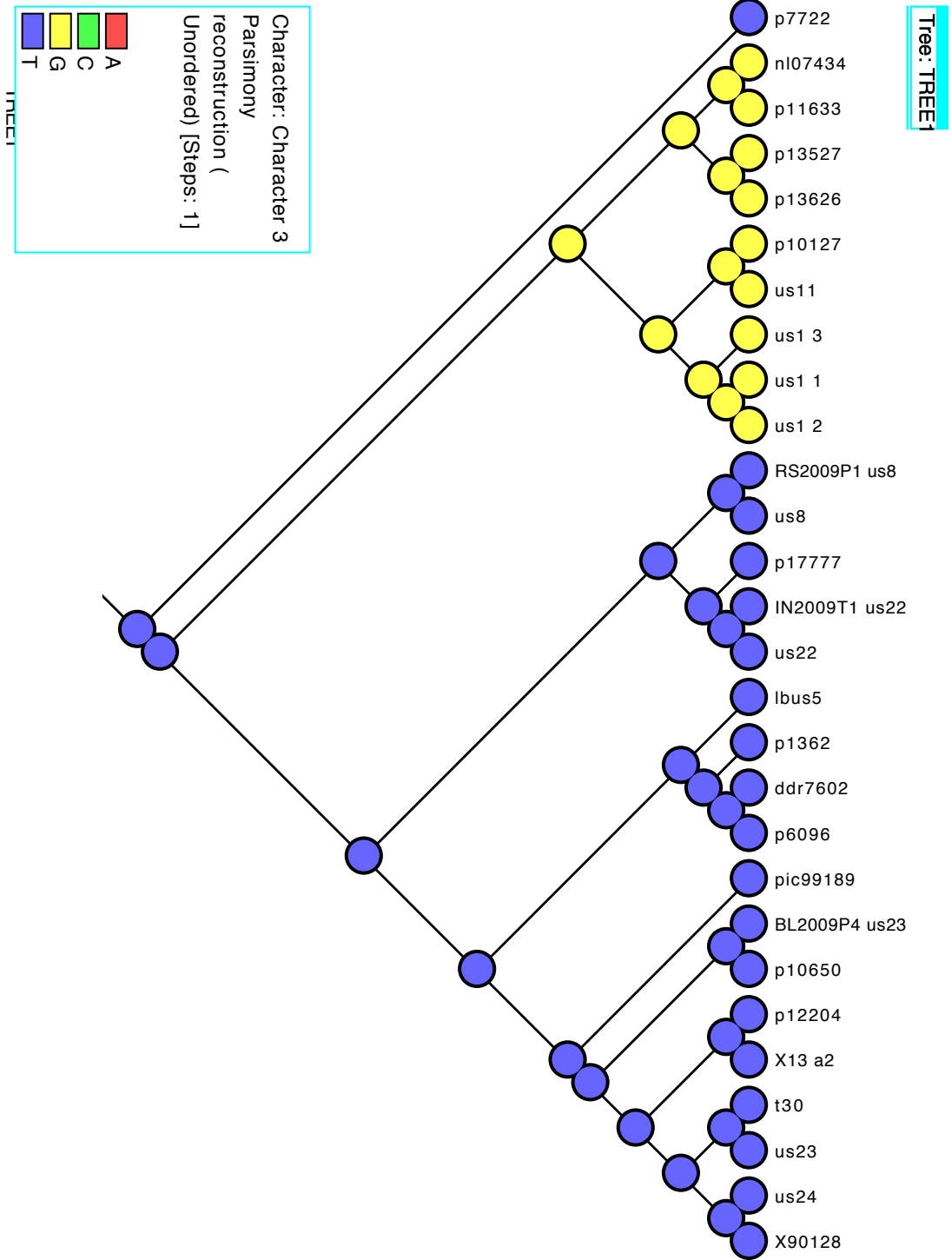
A

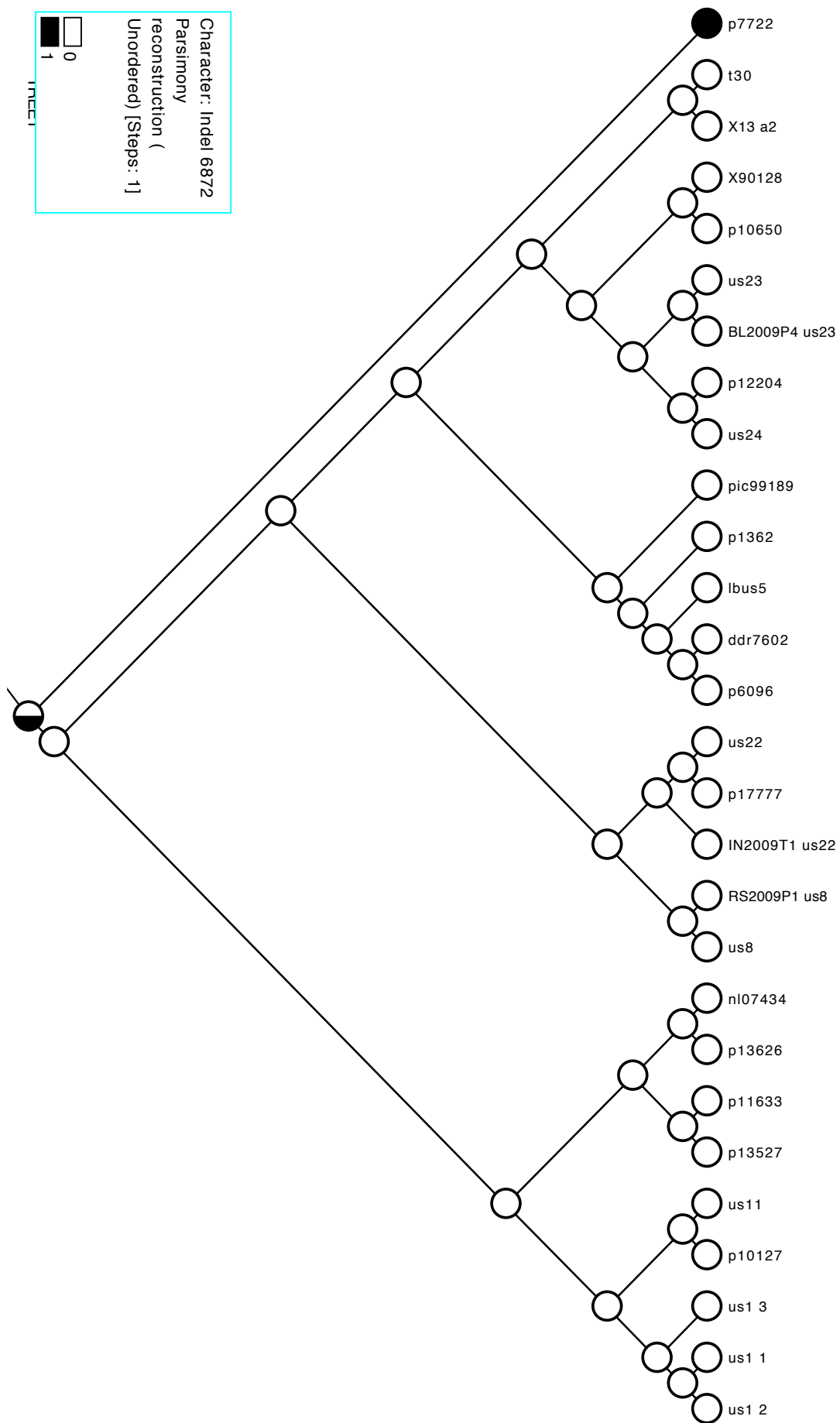
C

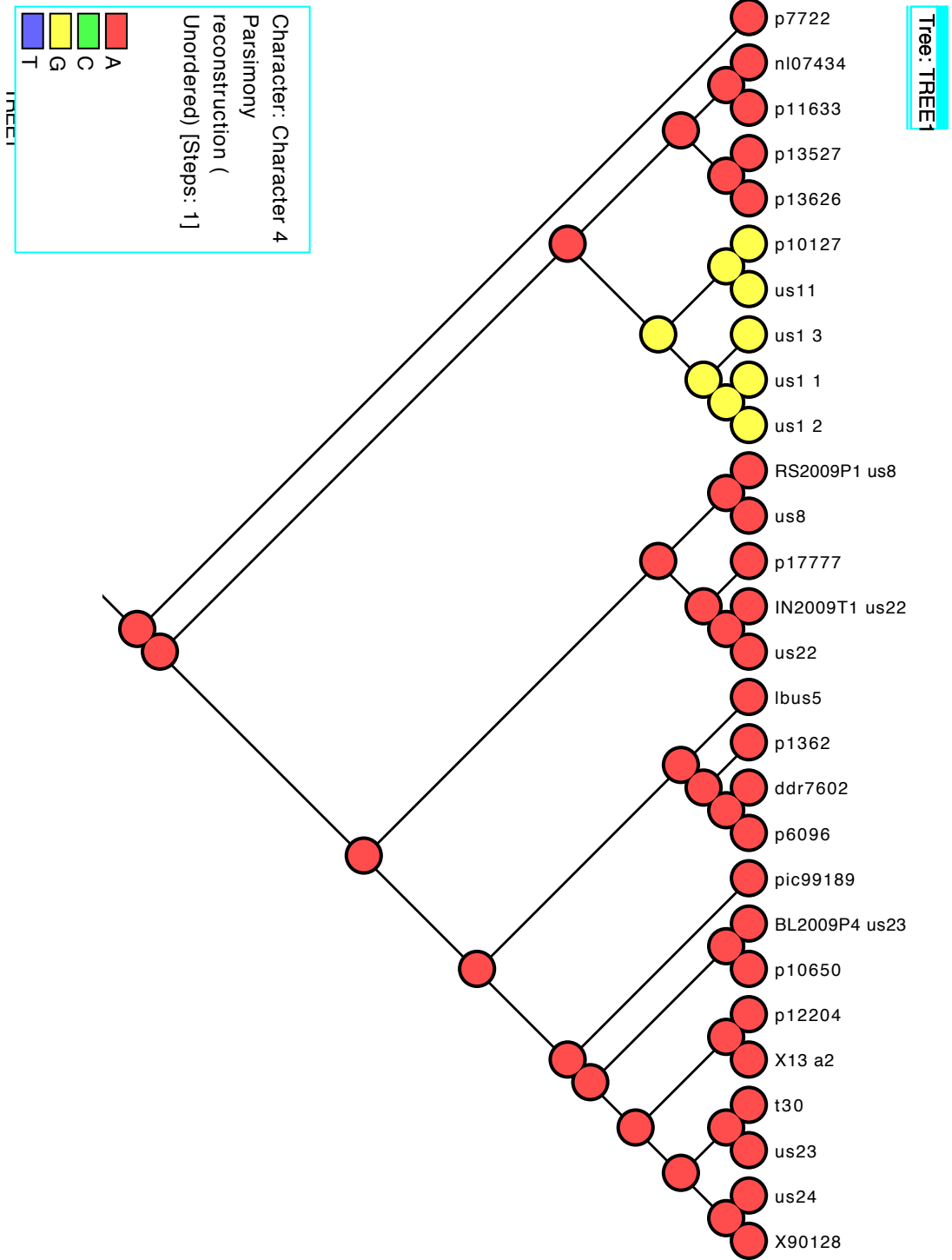
G

T









A

C

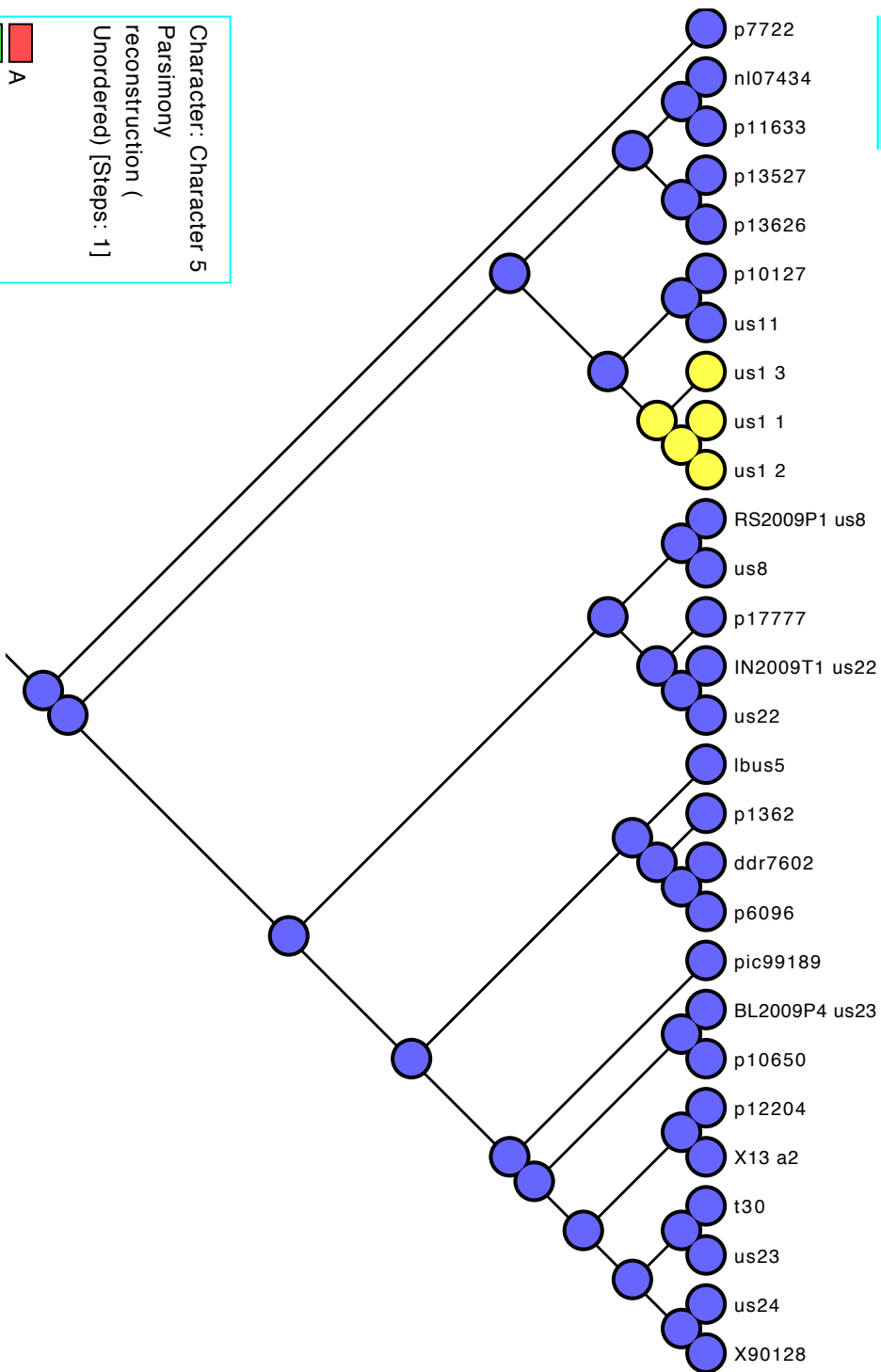
G

T

Character: Character 5

Parsimony reconstruction (

Unordered) [Steps: 1]



Tree: TREE1

A

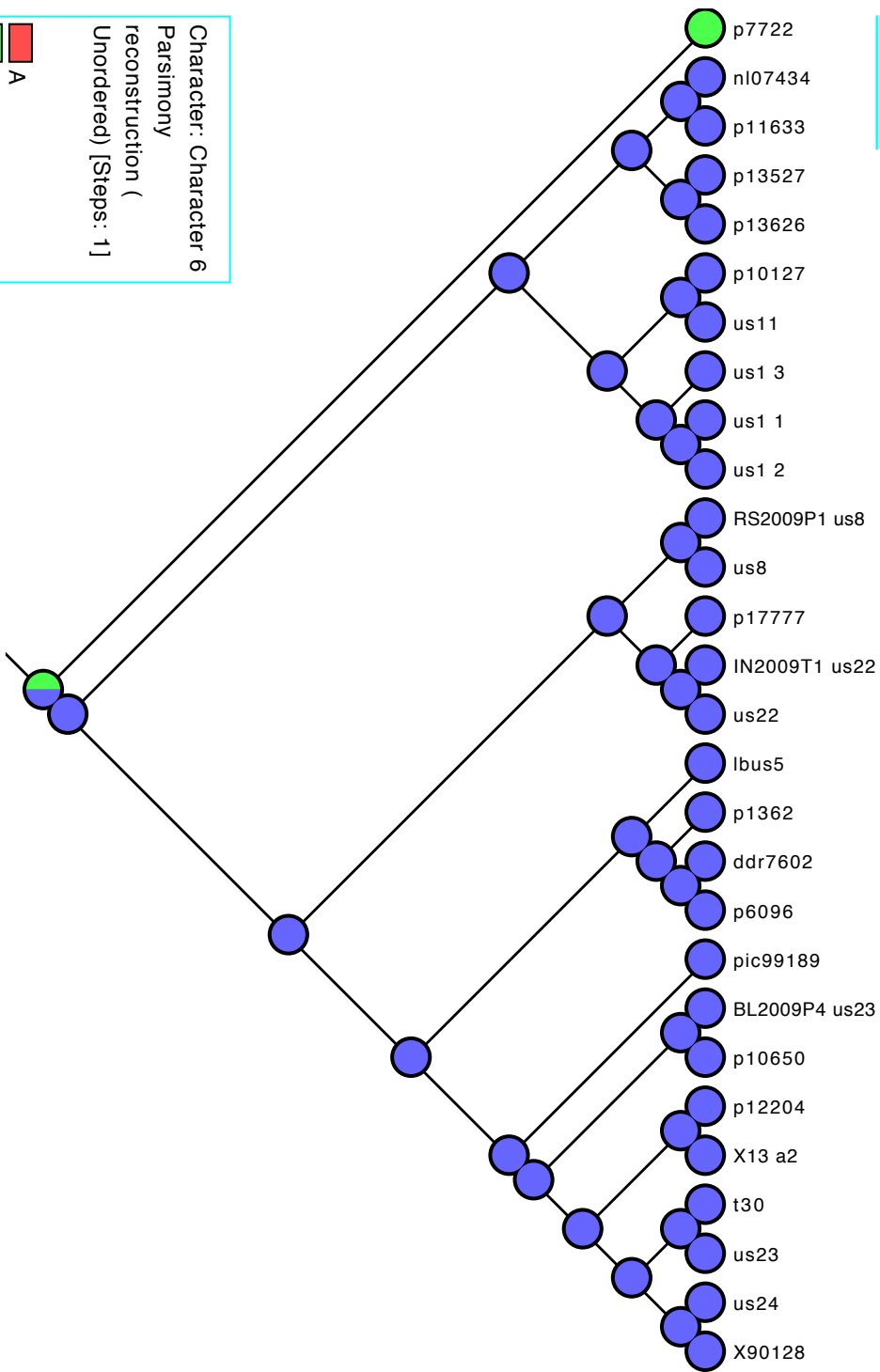
C

G

T

Character: Character 6

Parsimony reconstruction (Unordered) [Steps: 1]



A

C

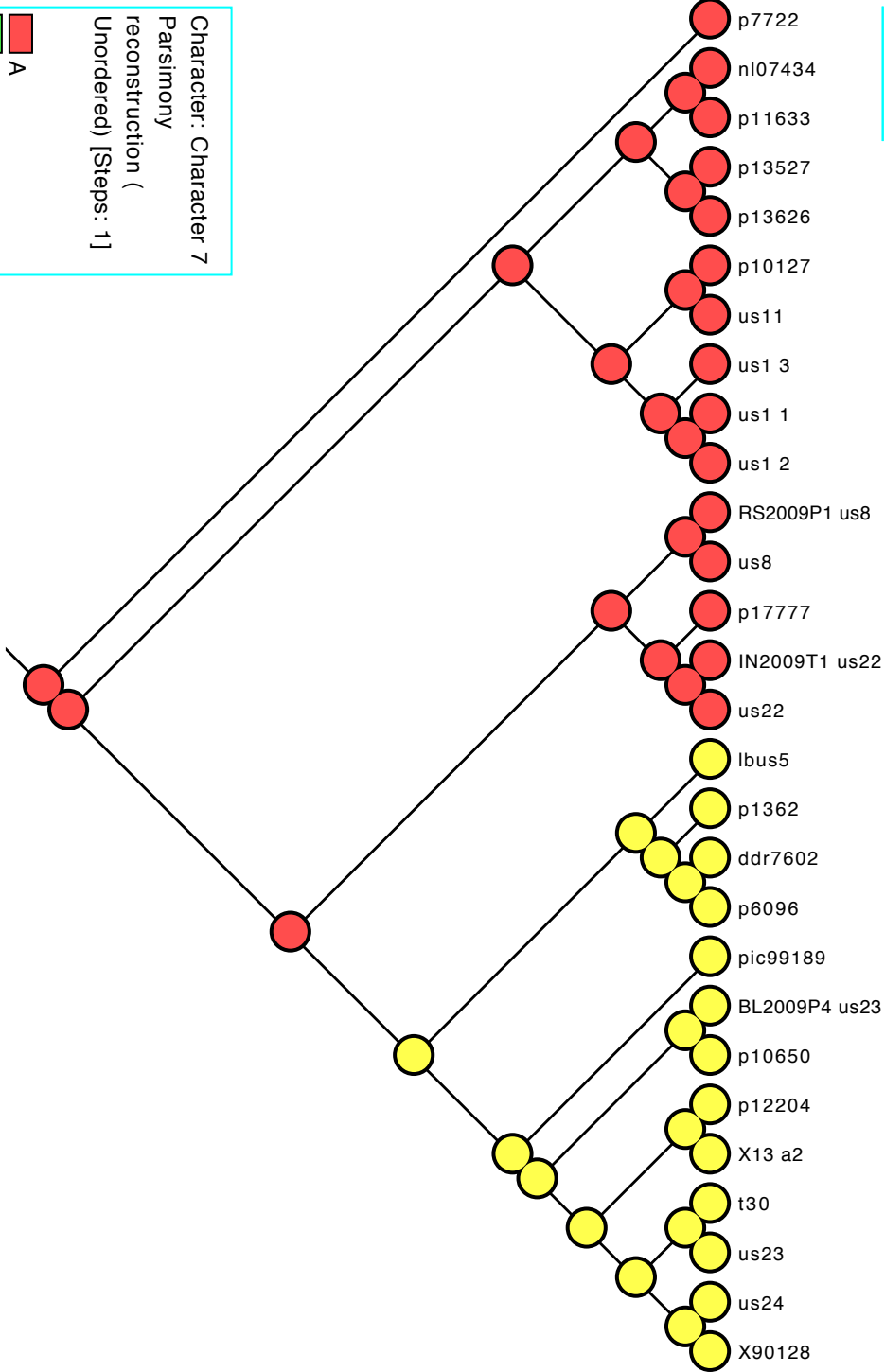
G

T

Character: Character 7

Parsimony reconstruction (Unordered) [Steps: 1]

INCE1





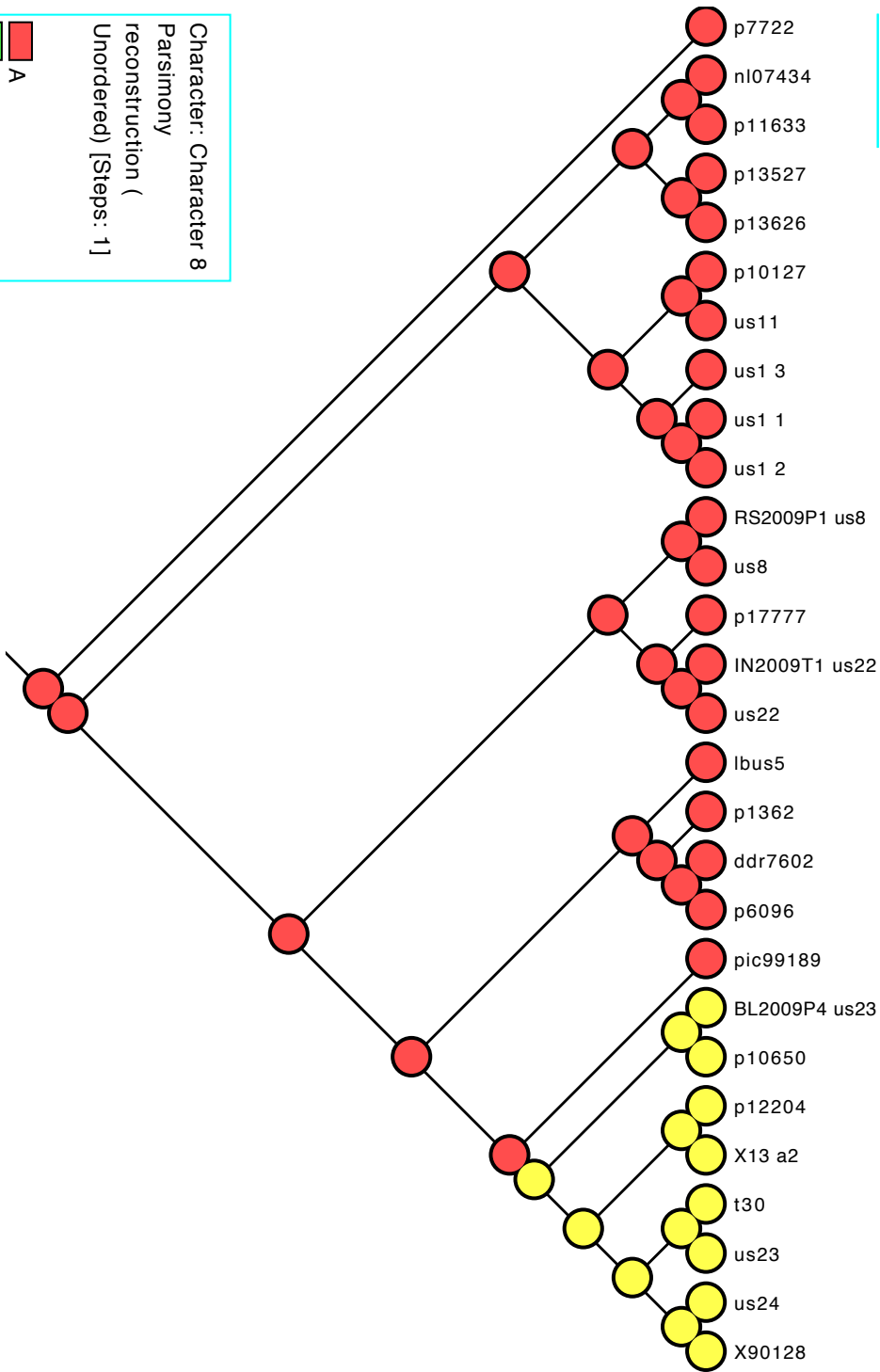
Character: Character 8  
Parsimony  
reconstruction (Unordered) [Steps: 1]

A

C

G

T



Tree: TREE1

Character: Character 9

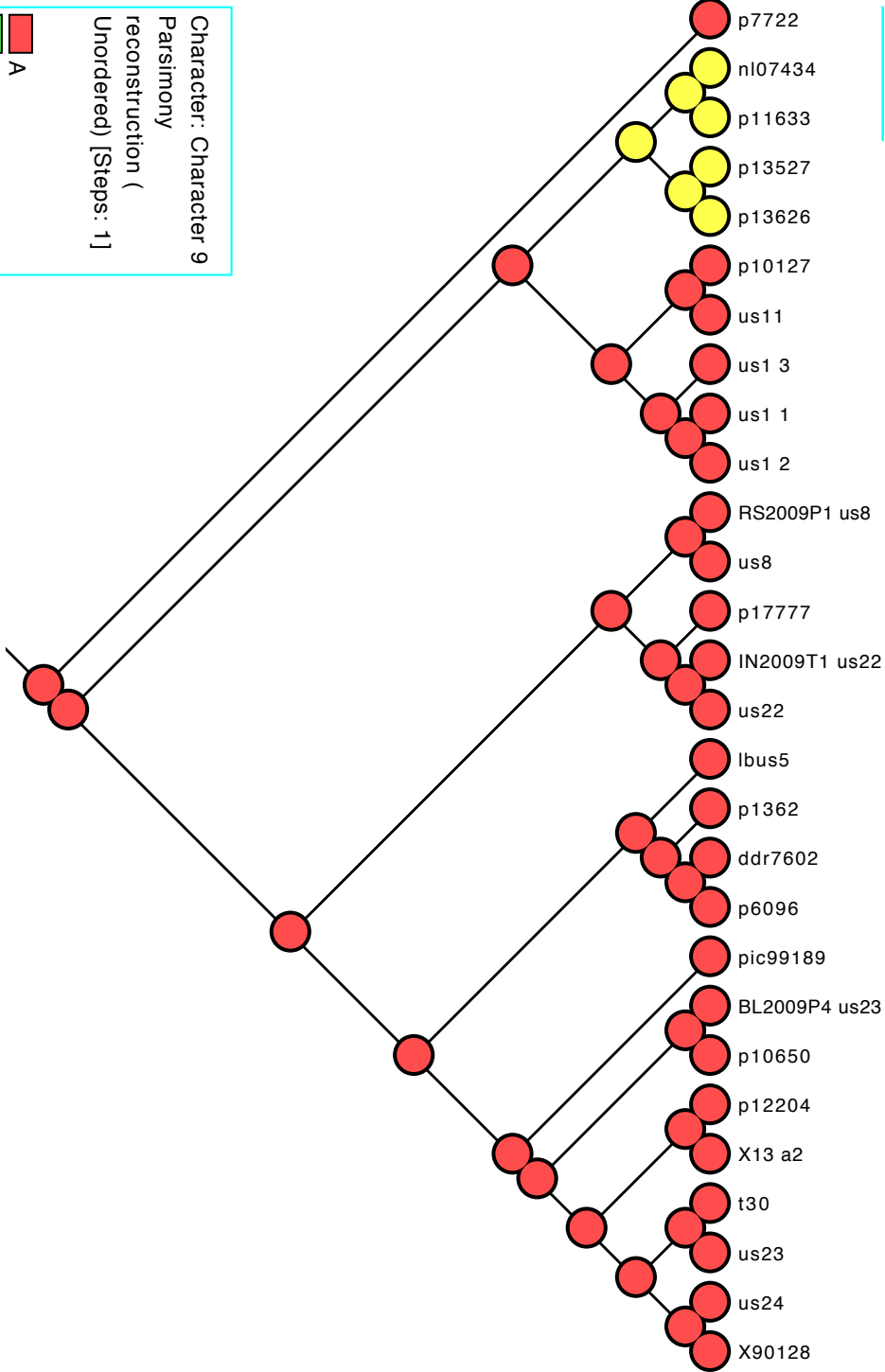
Parsimony reconstruction (Unordered) [Steps: 1]

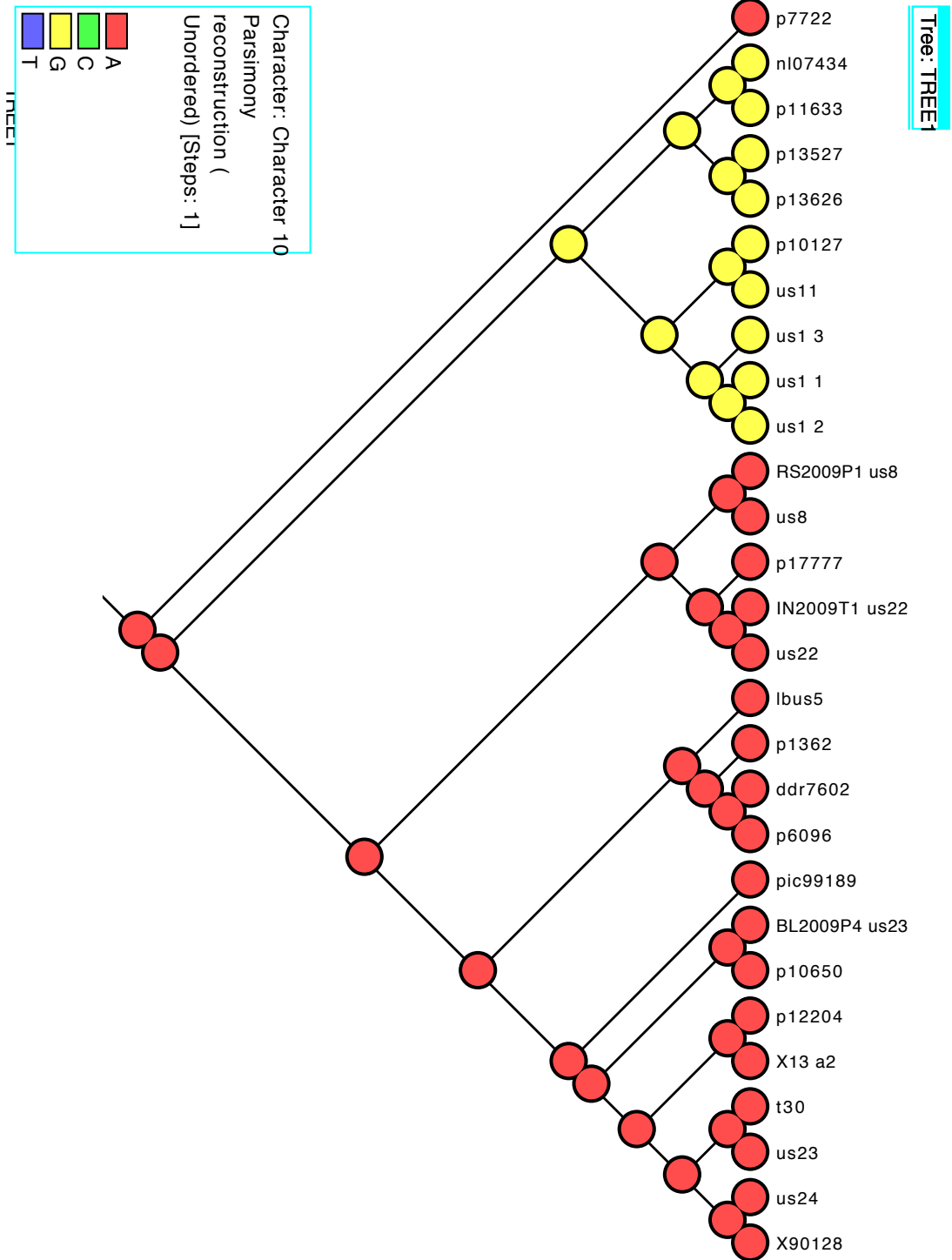
A

C

G

T





A

C

G

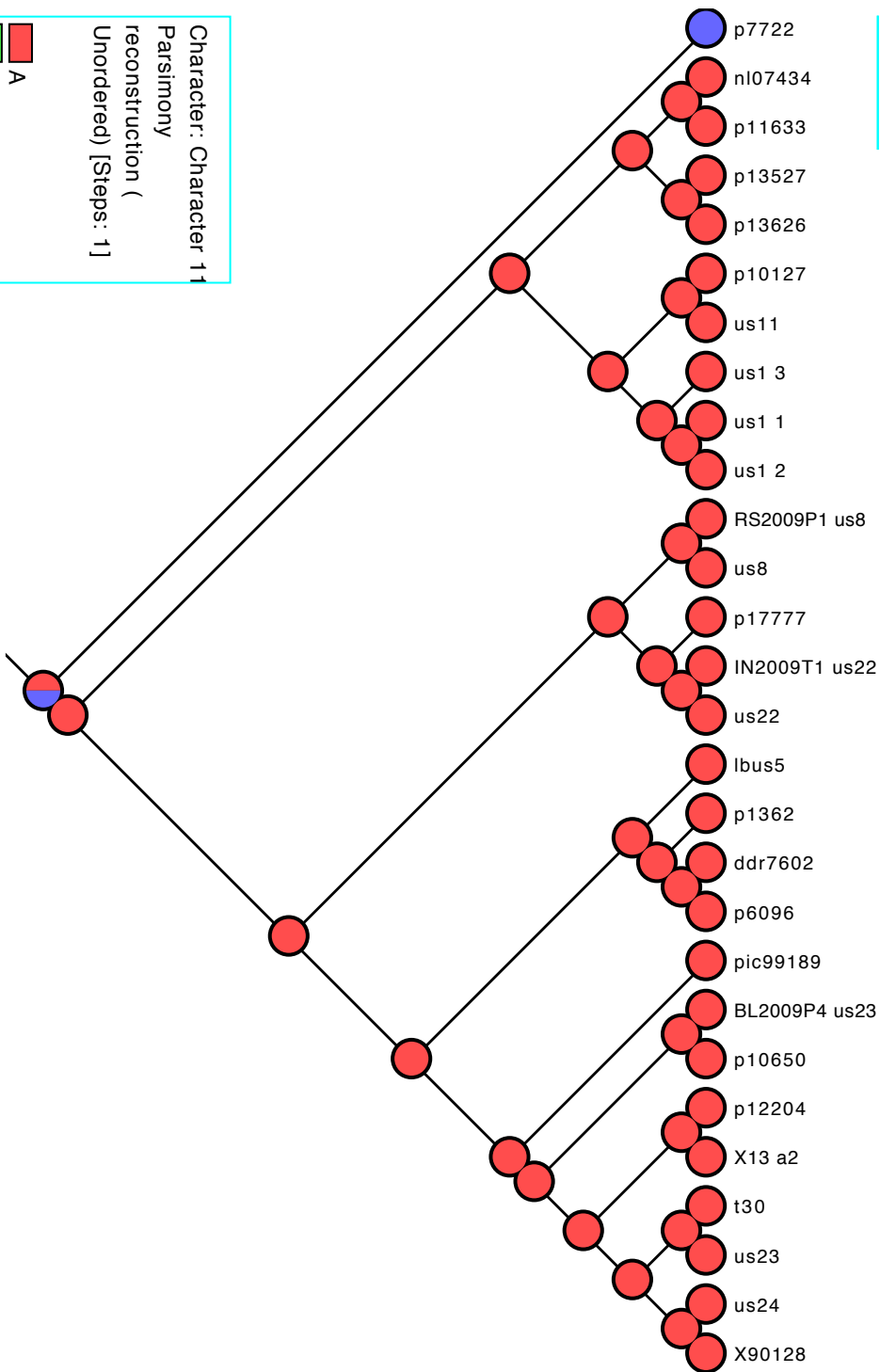
T

Character: Character 11

Parsimony

reconstruction (

Unordered) [Steps: 1]



Tree: TREE1

Character: Character 12

Parsimony reconstruction (Unordered) [Steps: 1]

A

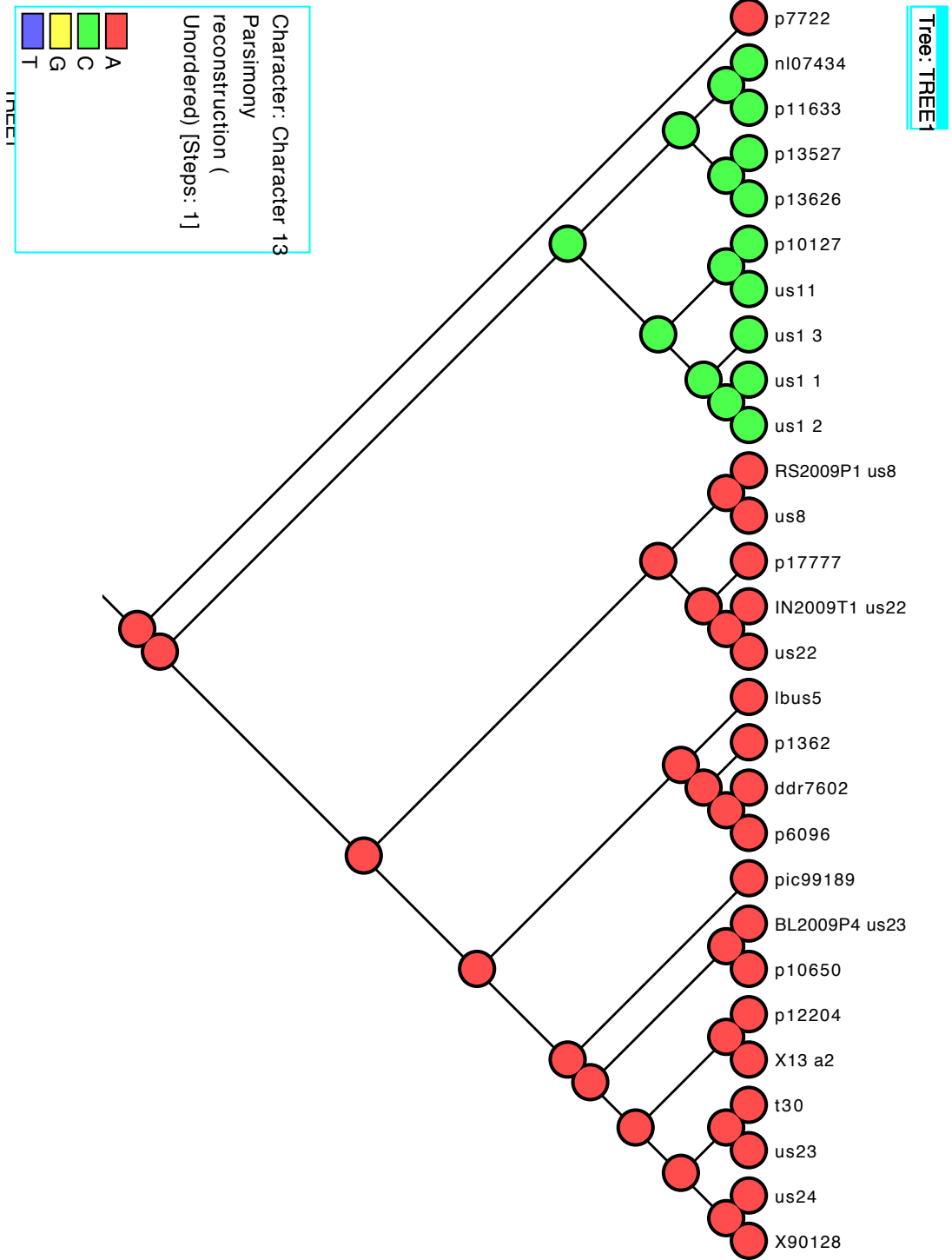
C

G

T

Phylogenetic tree showing relationships between various taxa. The tree is rooted on the left and branches out to the right. Taxa are represented by yellow circles, except for a clade of five taxa (lbus5, p1362, ddr7602, p6096, pic99189) which are represented by red circles. The taxa labels are: p7722, nl07434, p11633, p13527, p13626, p10127, us11, us1 3, us1 1, us1 2, RS2009P1 us8, us8, p17777, IN2009T1 us22, us22, lbus5, p1362, ddr7602, p6096, pic99189, BL2009P4 us23, p10650, p12204, X13 a2, t30, us23, us24, and X90128.

Tree: TREE1



A

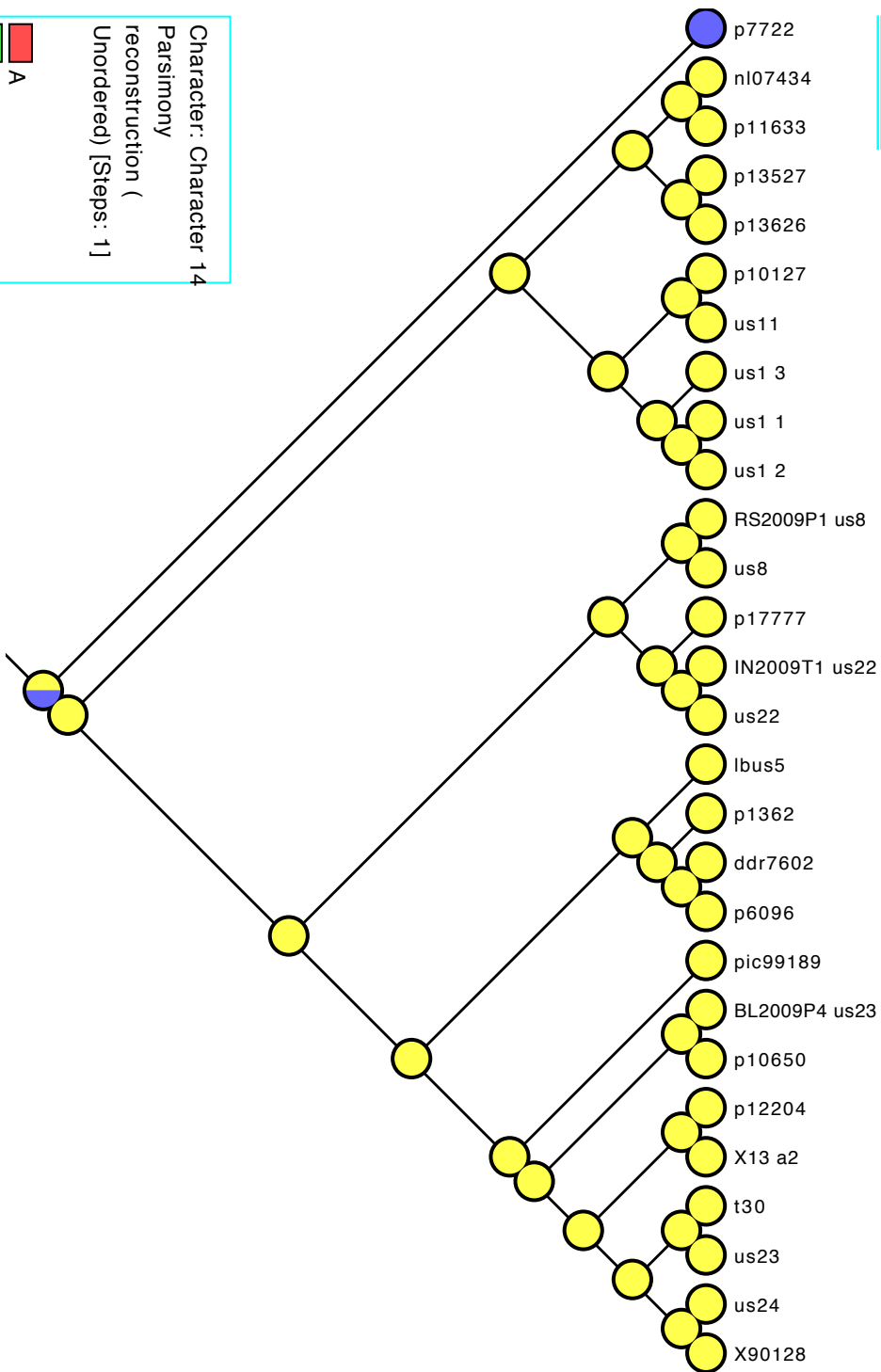
C

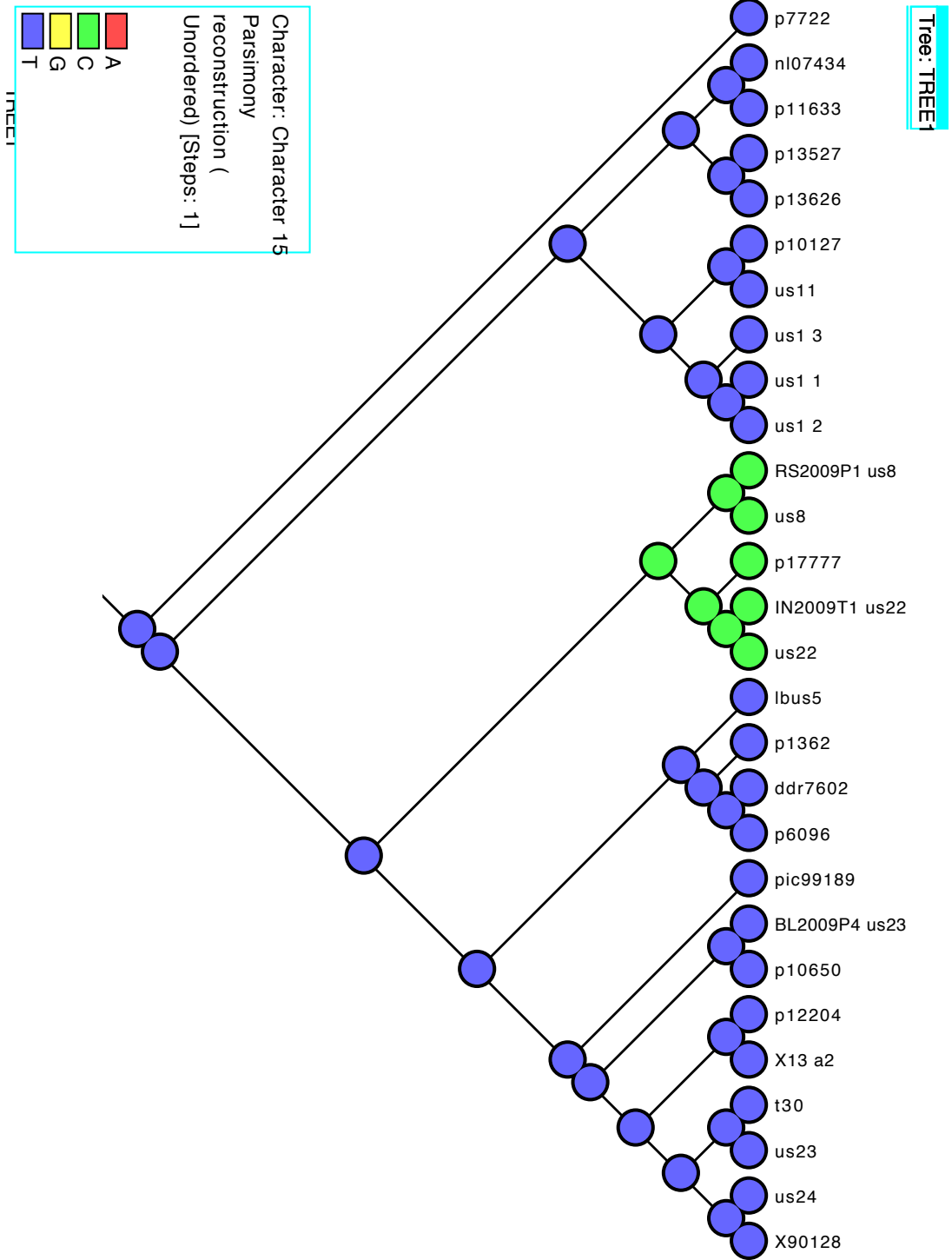
G

T

Character: Character 14

Parsimony reconstruction (Unordered) [Steps: 1]







Character: Character 16

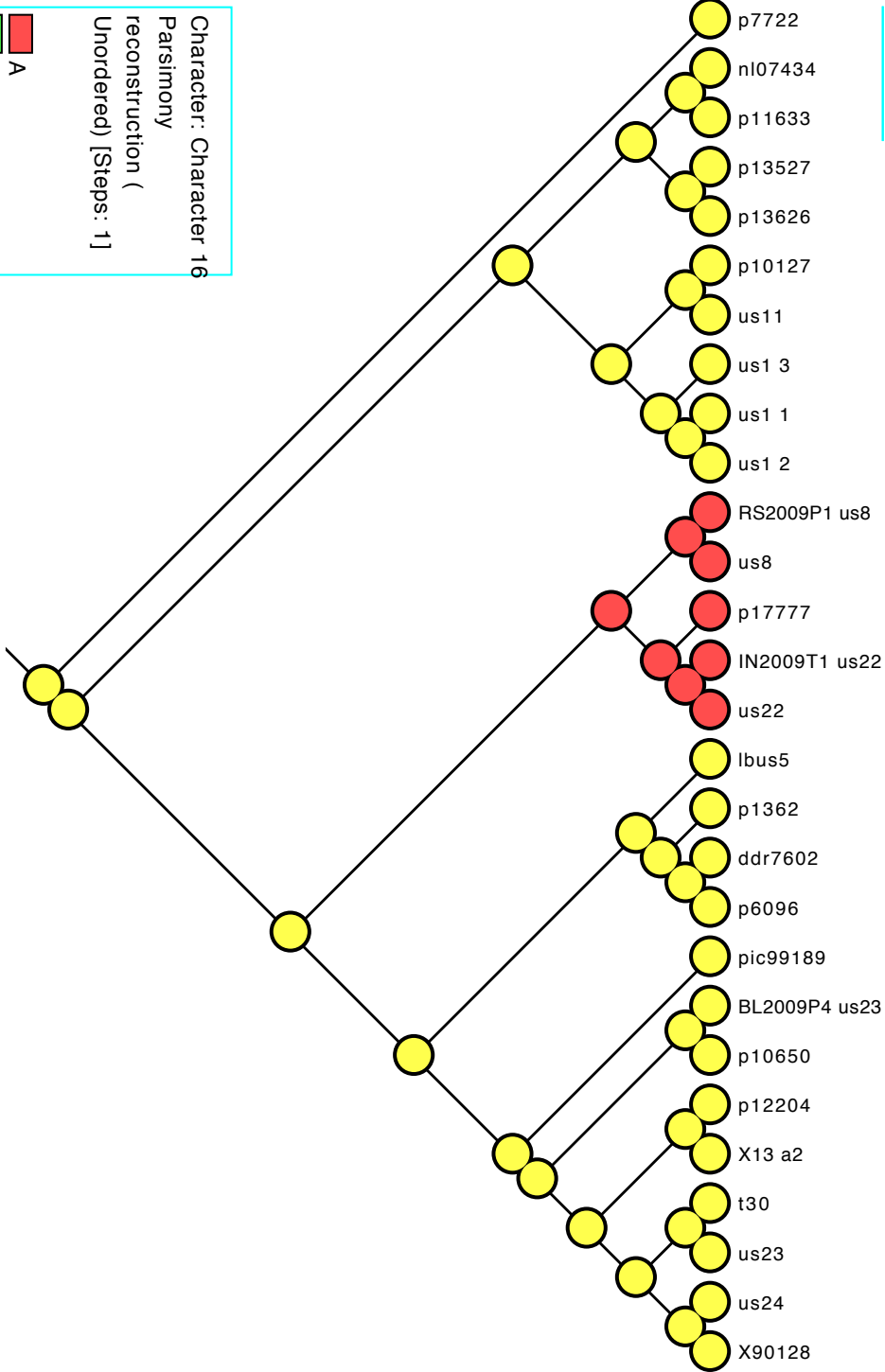
Parsimony reconstruction (Unordered) [Steps: 1]

A

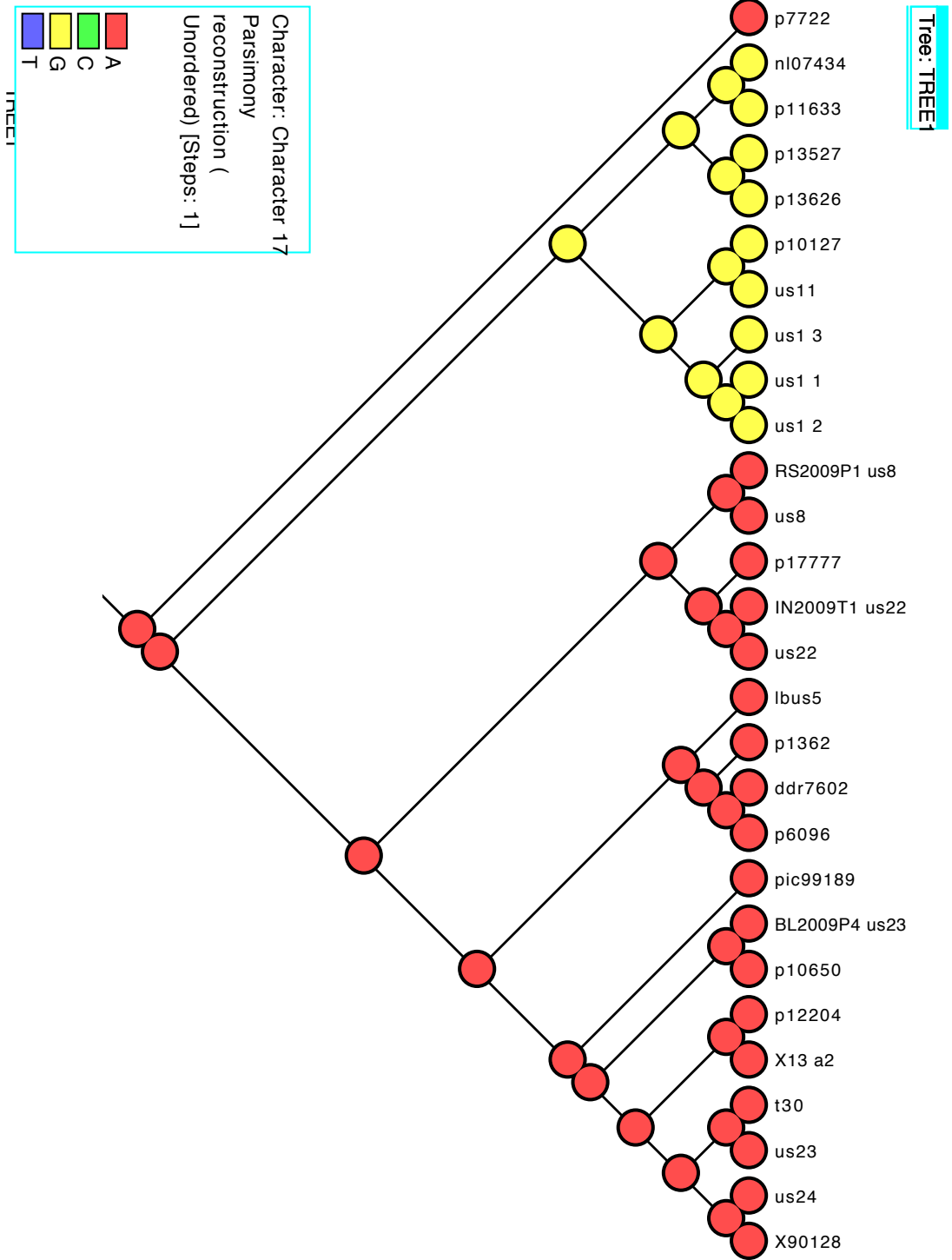
C

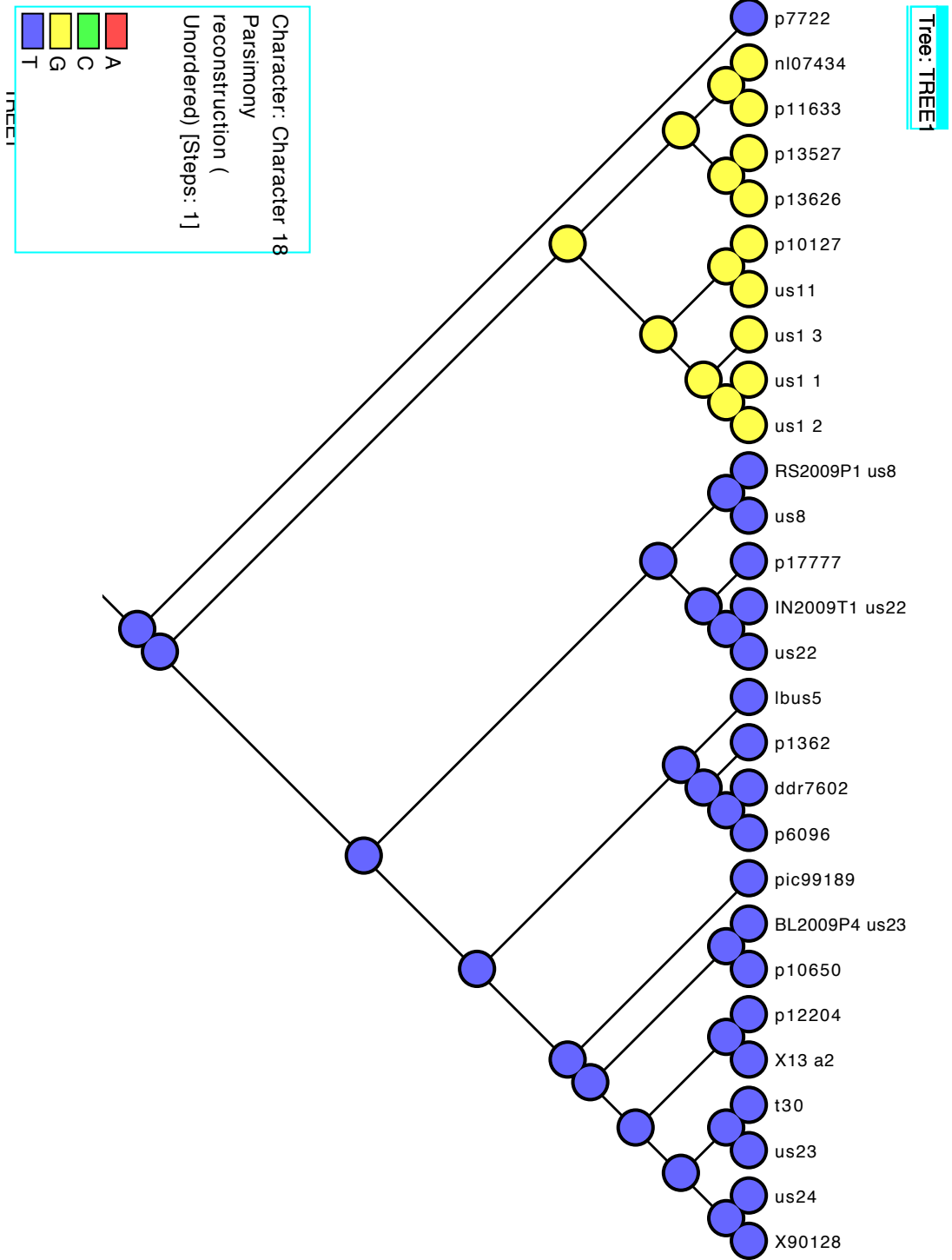
G

T



Tree: TREE1





Character: Character 19

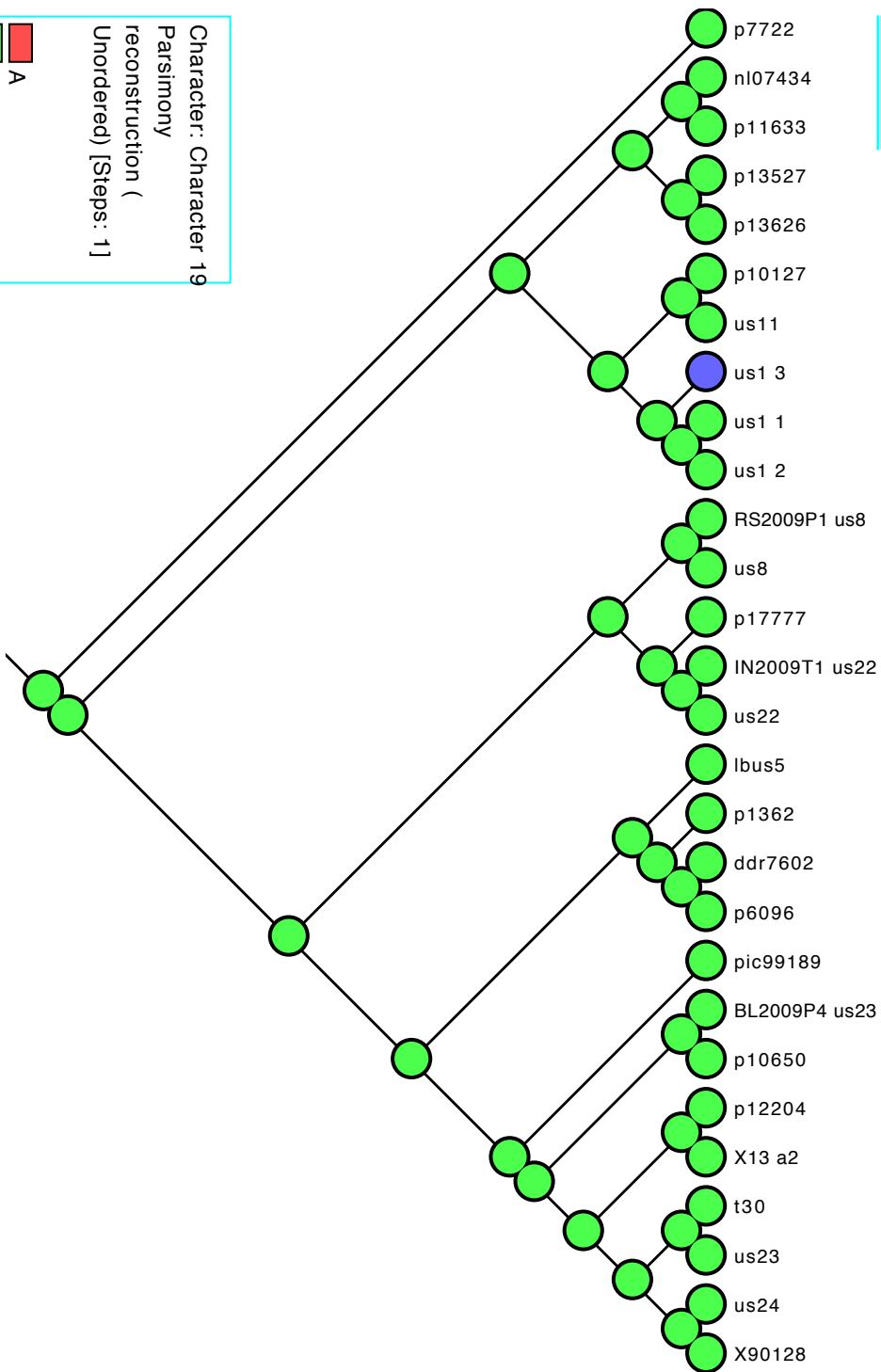
Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T



Tree: TREE1

Character: Character 20

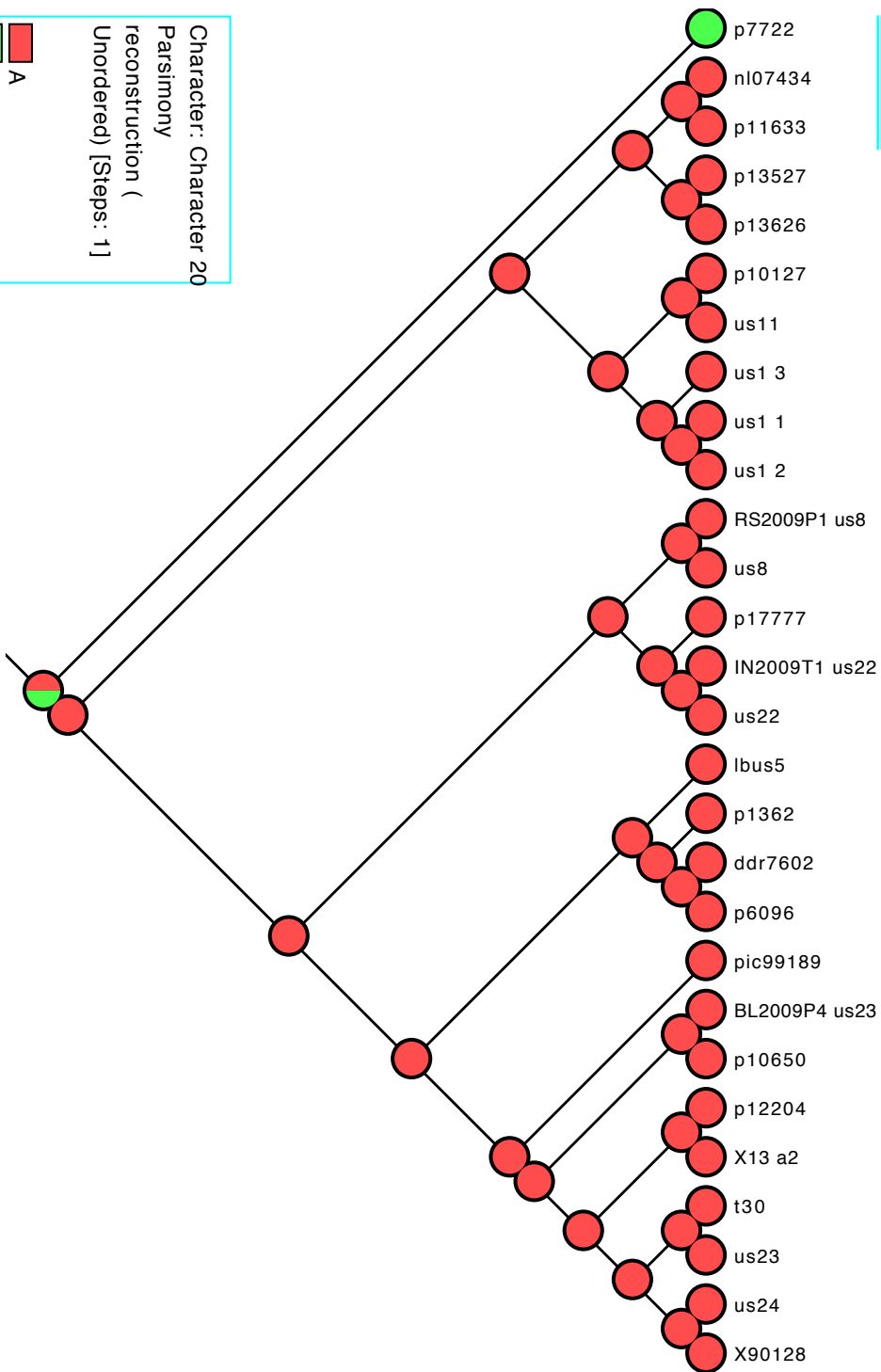
Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T



Tree: TREE1

A

C

G

T

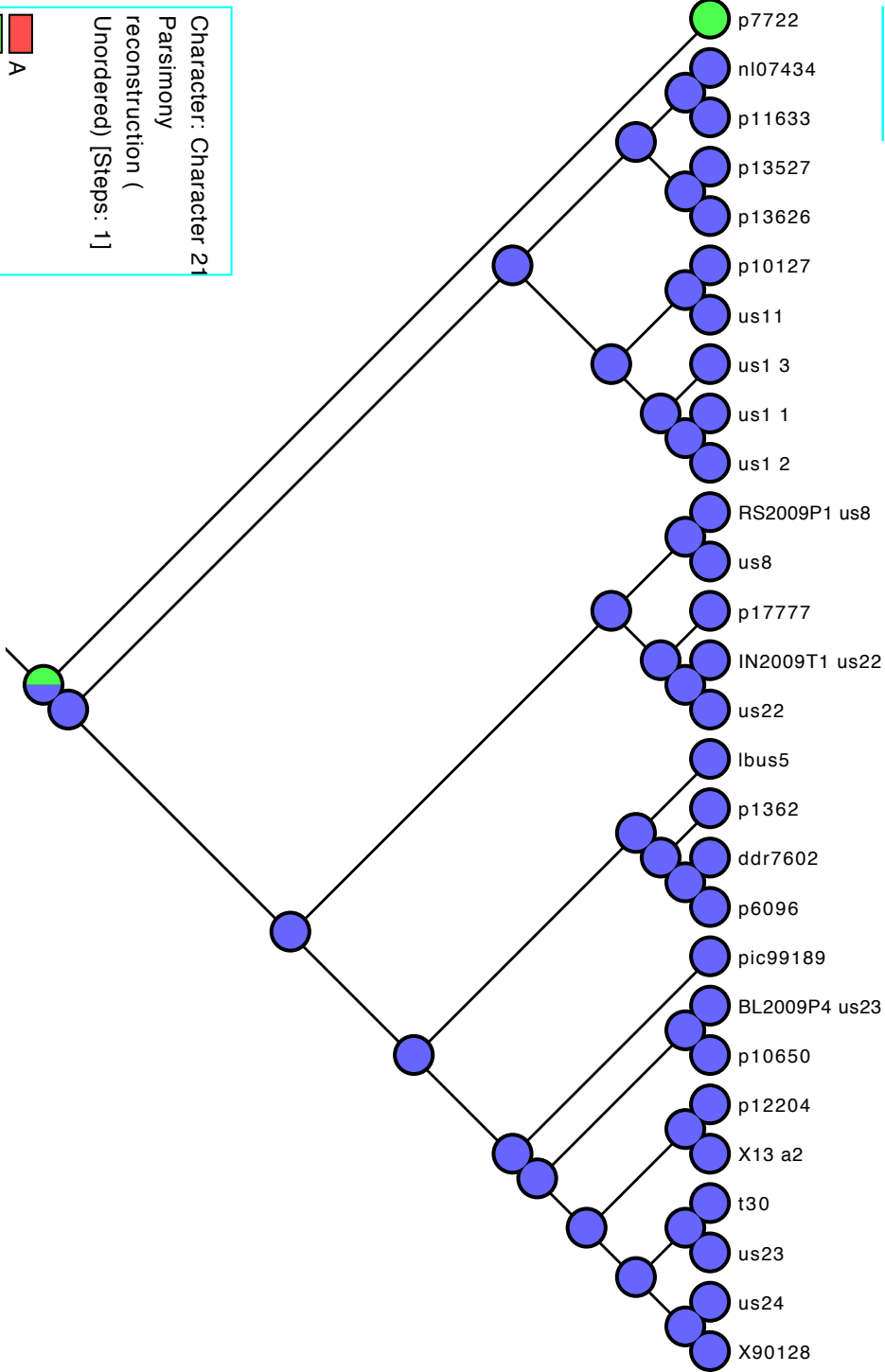
Character: Character 21

Parsimony

reconstruction (

Unordered) [Steps: 1]

INCE1



Character: Character 22

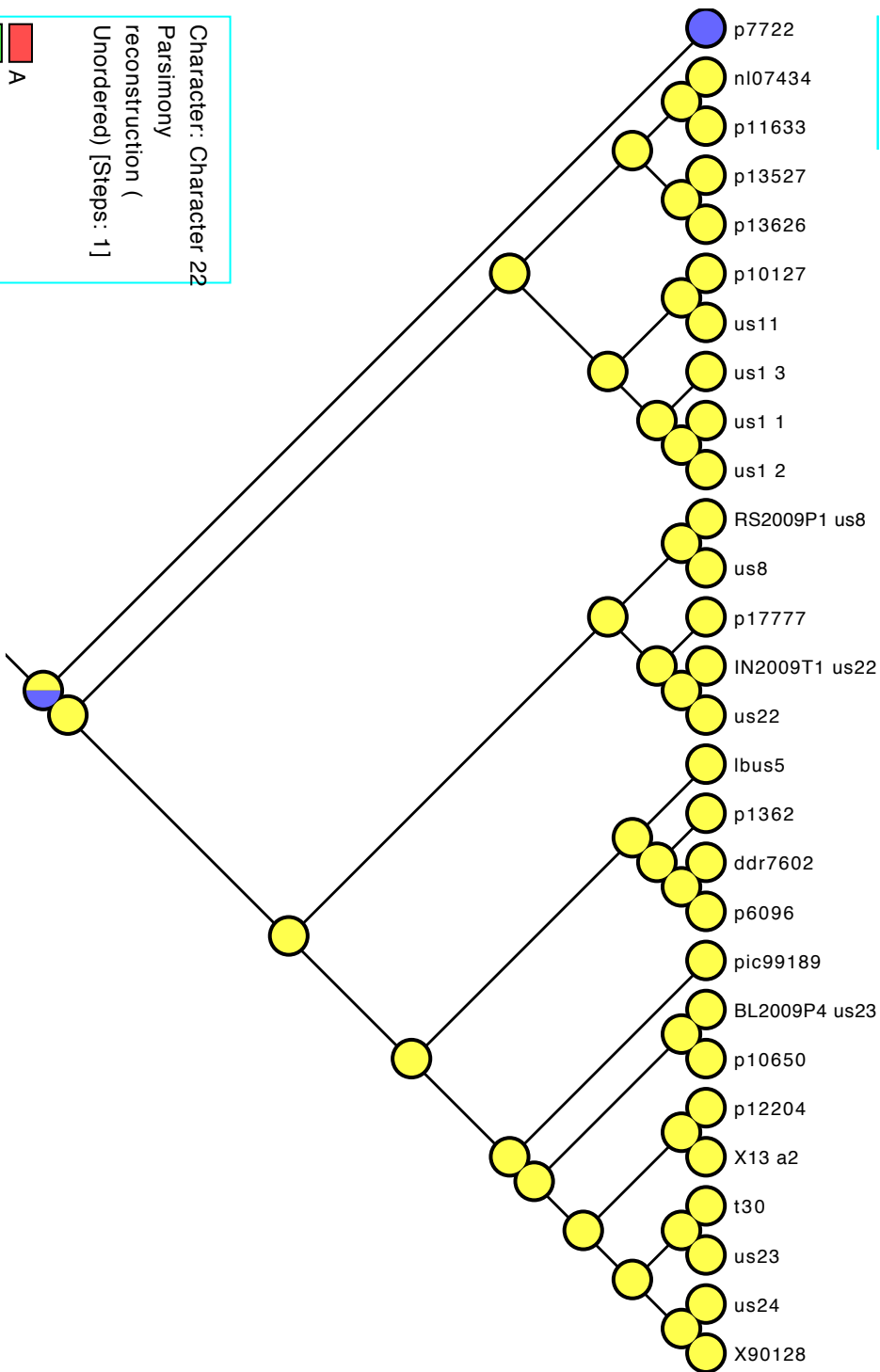
Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T



Character: Character 23

Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T

Tree: TREE1

Phylogenetic tree showing relationships between various taxa. The tree is rooted at the bottom left with a yellow node. The taxa are listed on the right side of the tree, including p7722, nl07434, p11633, p13527, p13626, p10127, us11, us1 3, us1 1, us1 2, RS2009P1 us8, us8, p17777, IN2009T1 us22, us22, lbus5, p1362, ddr7602, p6096, pic99189, BL2009P4 us23, p10650, p12204, X13 a2, t30, us23, us24, and X90128. The tree is labeled 'Tree: TREE1' at the top right.



A

C

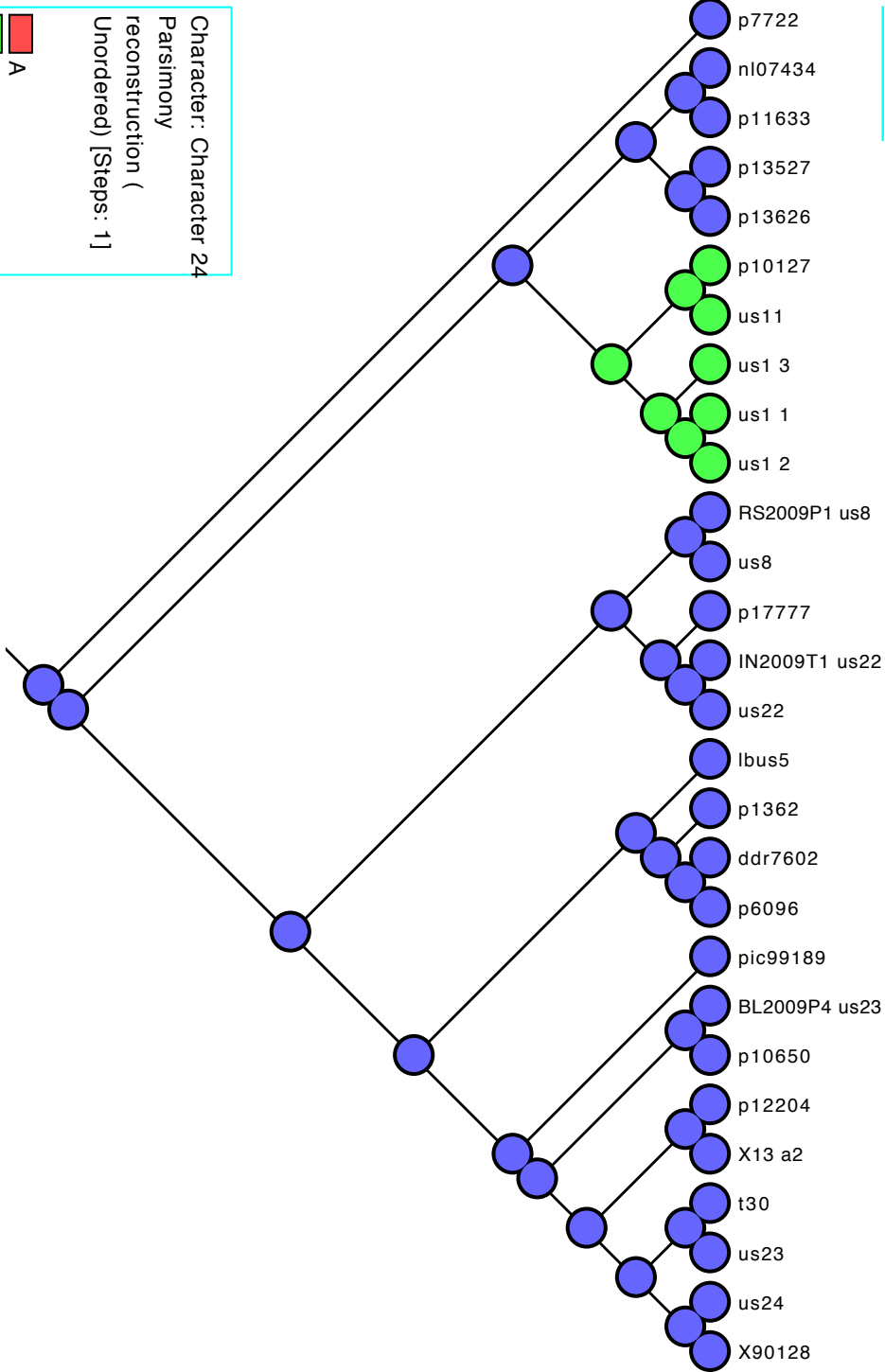
G

T

Character: Character 24

Parsimony reconstruction (Unordered) [Steps: 1]

Tree: TREE1



Character: Character 25

Parsimony reconstruction (Unordered) [Steps: 1]

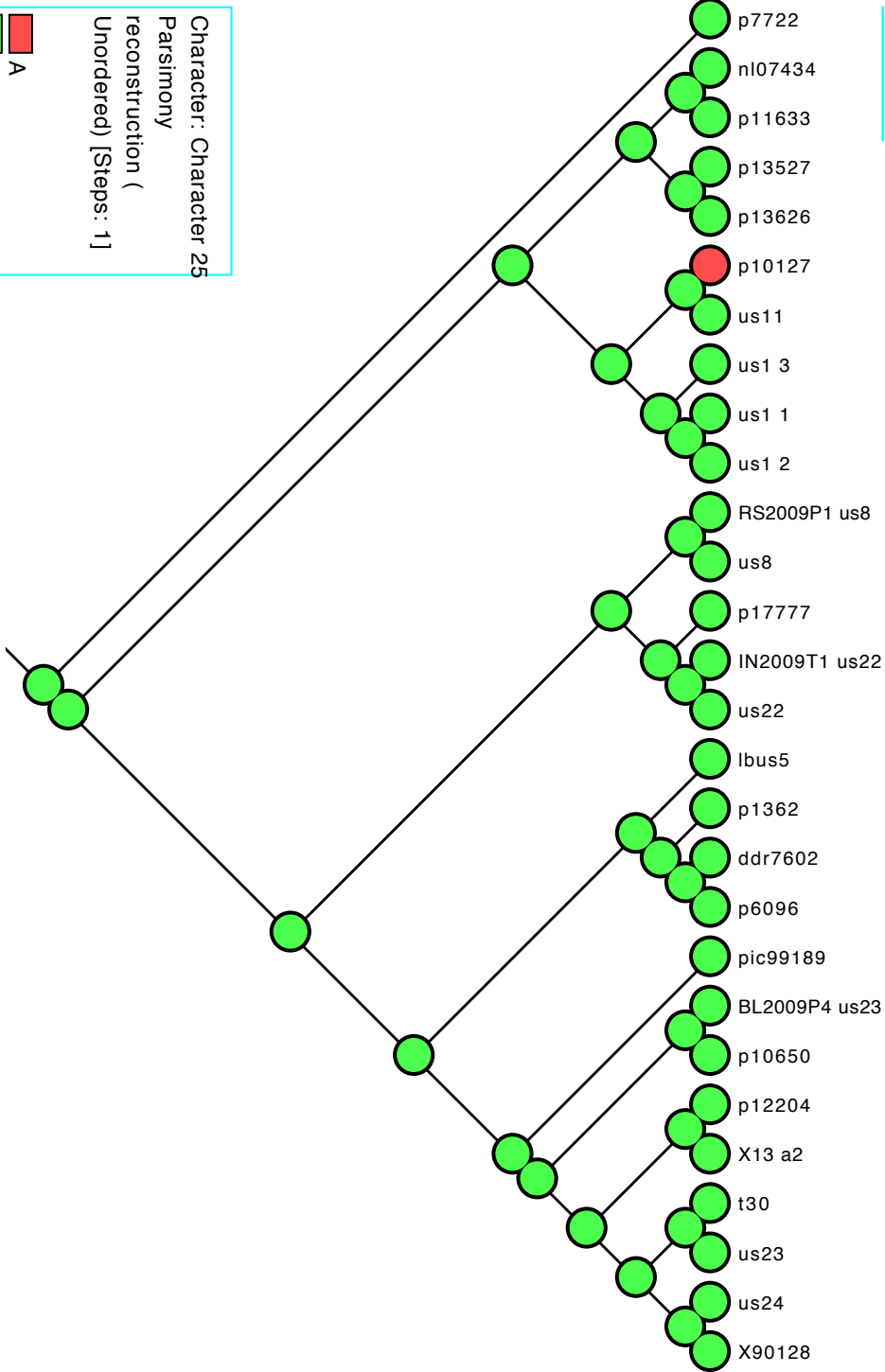
A

C

G

T

INCE1



Tree: TREE1

Character: Character 26

Parsimony reconstruction (Unordered) [Steps: 1]

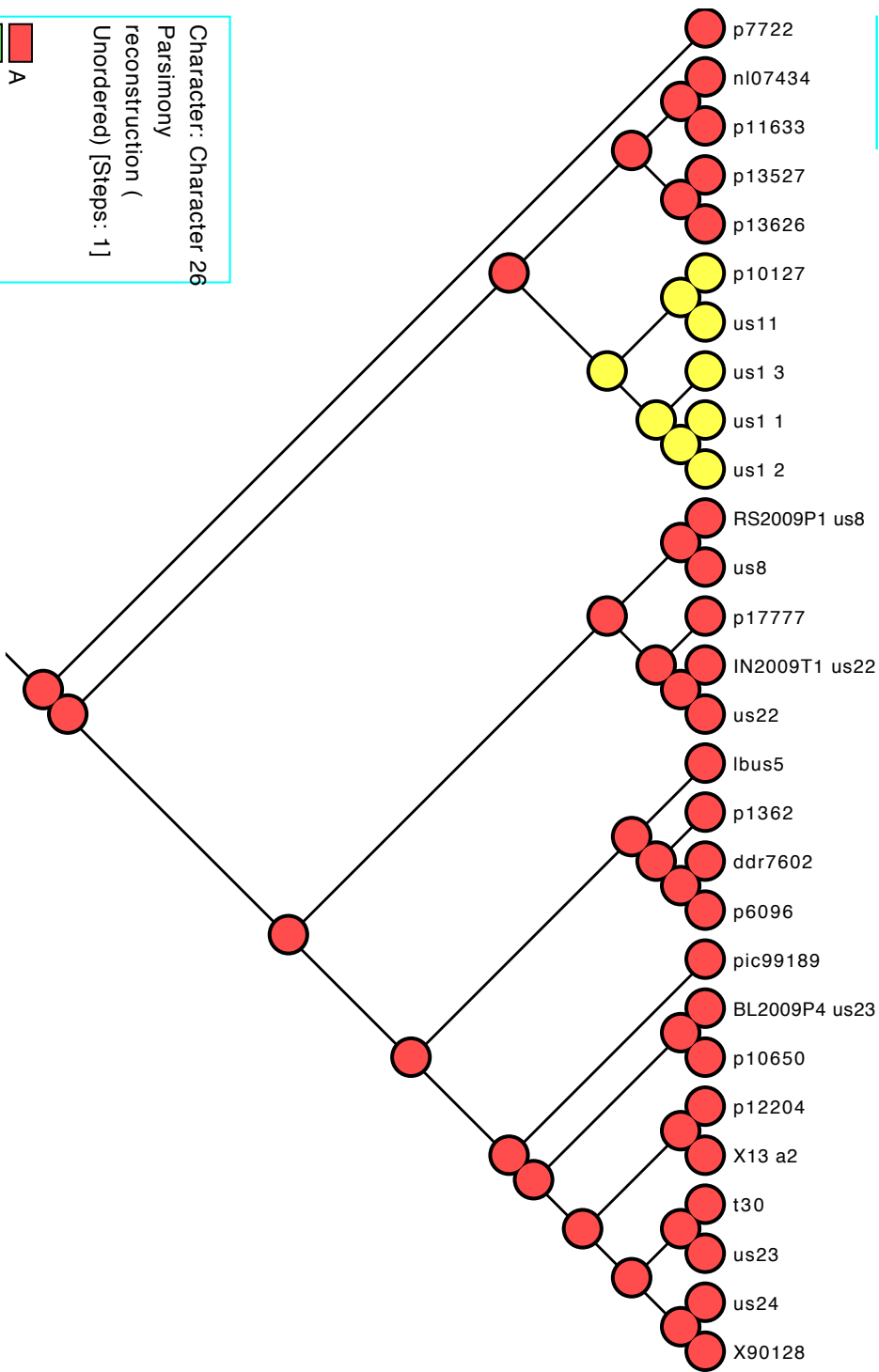
A

C

G

T

INCE1



Tree: TREE1

Character: Character 27

Parsimony reconstruction (Unordered) [Steps: 1]

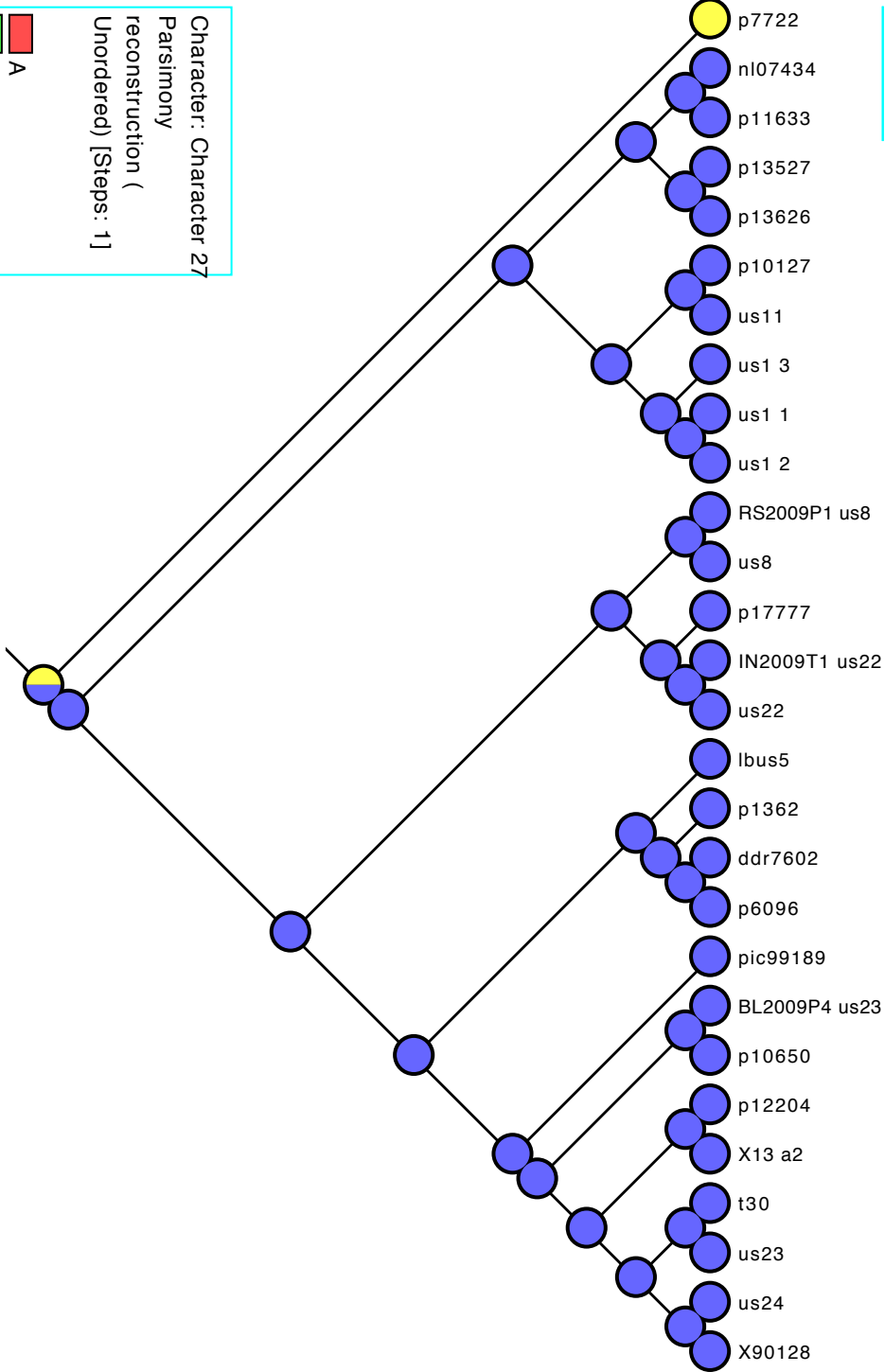
A

C

G

T

INCE1



Character: Character 28

Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T

Tree: TREE1

Phylogenetic tree showing relationships between various taxa. The tree is rooted at the bottom left with a yellow node. The taxa are listed on the right side of the tree, including p7722, nl07434, p11633, p13527, p13626, p10127, us11, us1 3, us1 1, us1 2, RS2009P1 us8, us8, p17777, IN2009T1 us22, us22, lbus5, p1362, ddr7602, p6096, pic99189, BL2009P4 us23, p10650, p12204, X13 a2, t30, us23, us24, and X90128. The tree is labeled 'Tree: TREE1' at the top right.

Character: Character 29

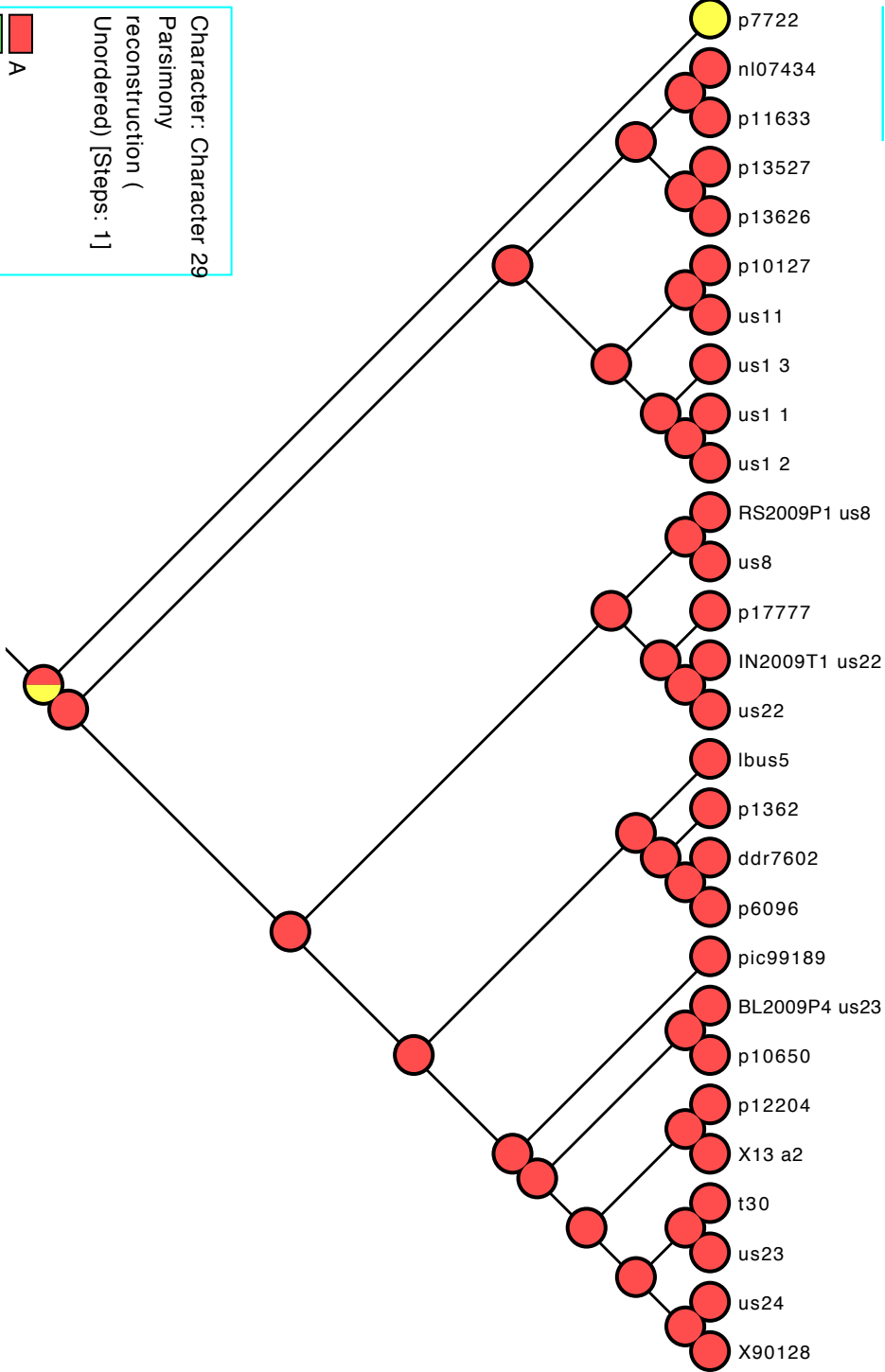
Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T



Tree: TREE1

Character: Character 30

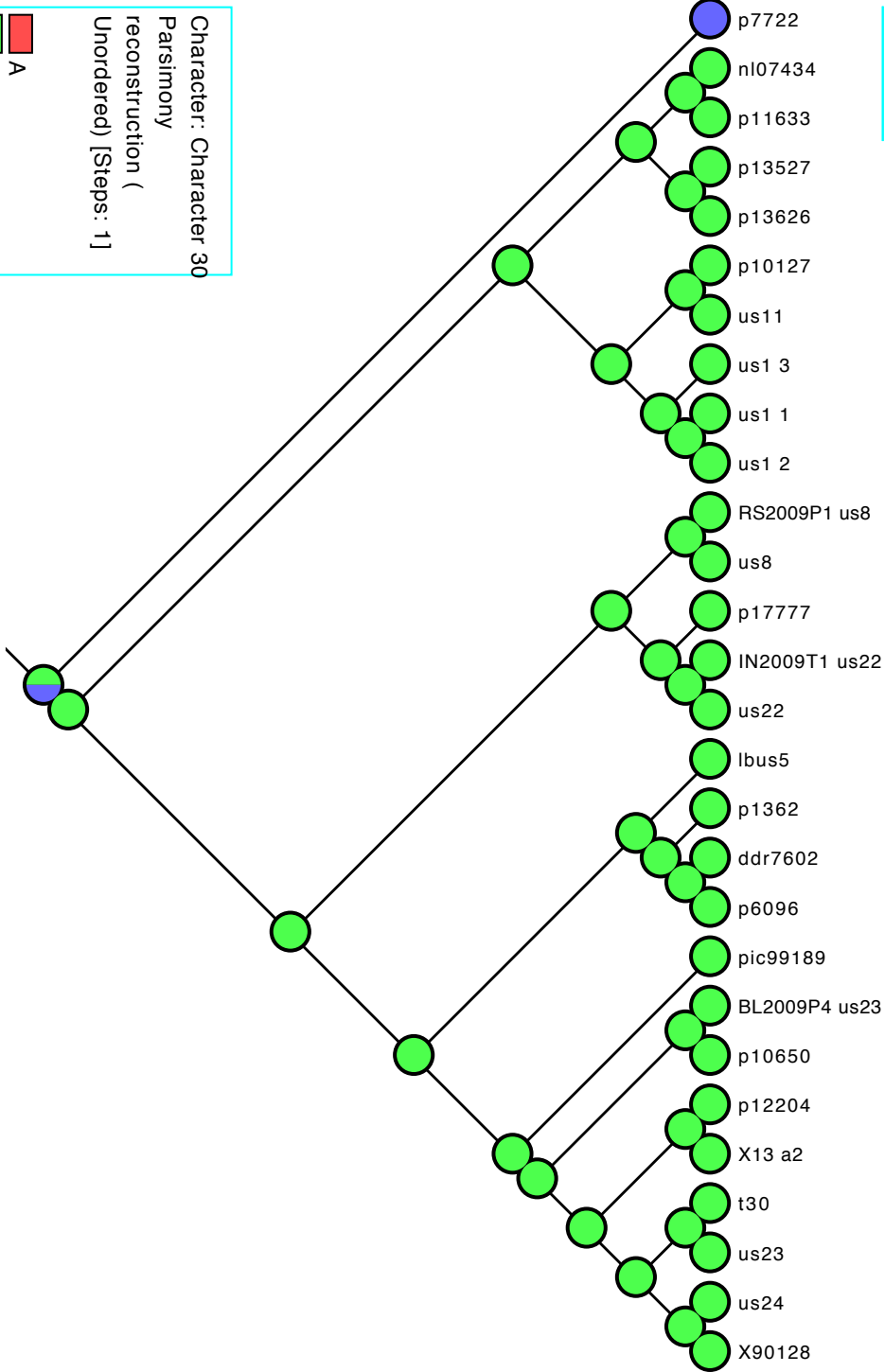
Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T



A

C

G

T

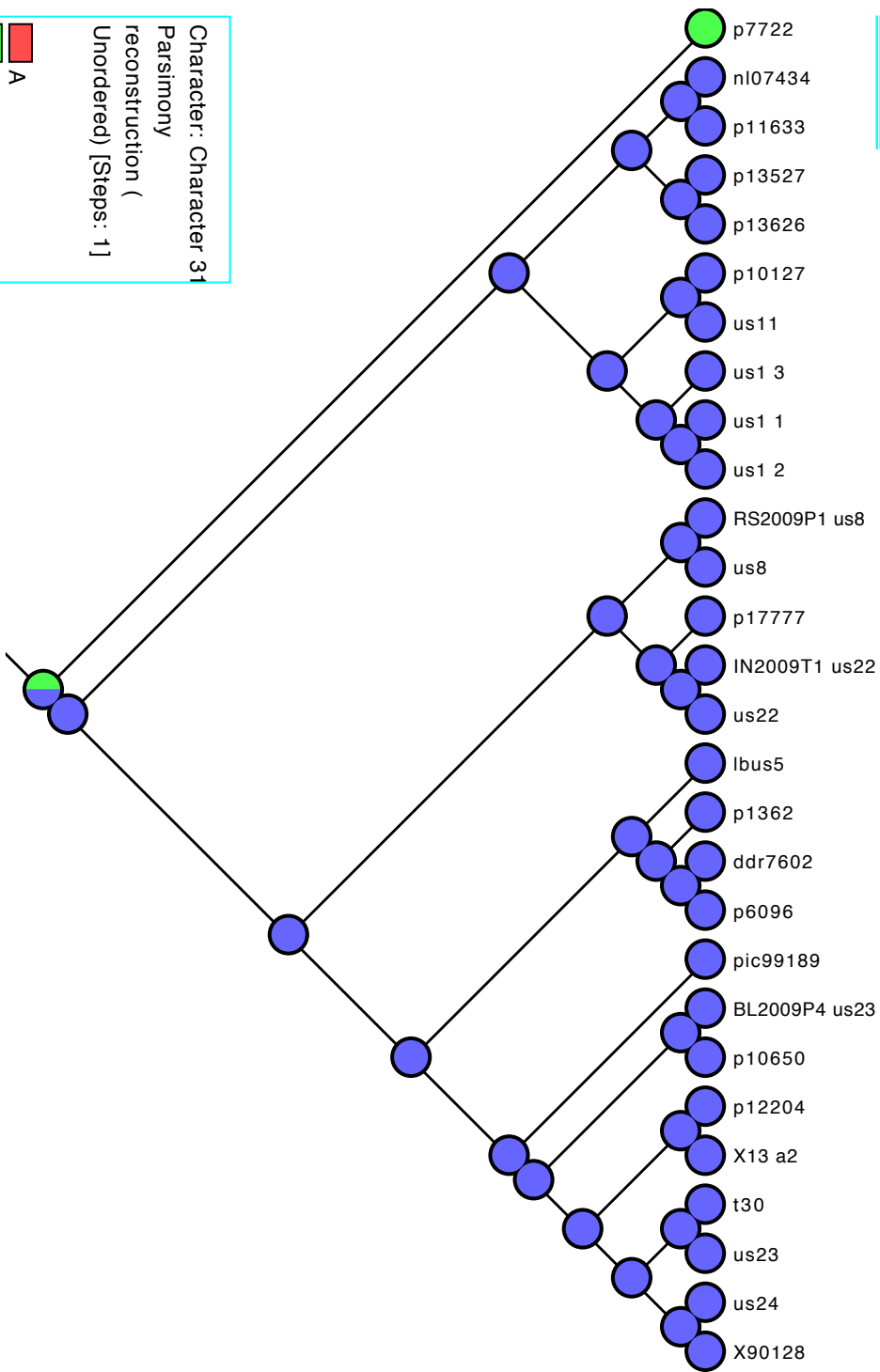
Character: Character 31

Parsimony

reconstruction (

Unordered) [Steps: 1]

INCE1





Character: Character 32

Parsimony reconstruction (Unordered) [Steps: 2]

A

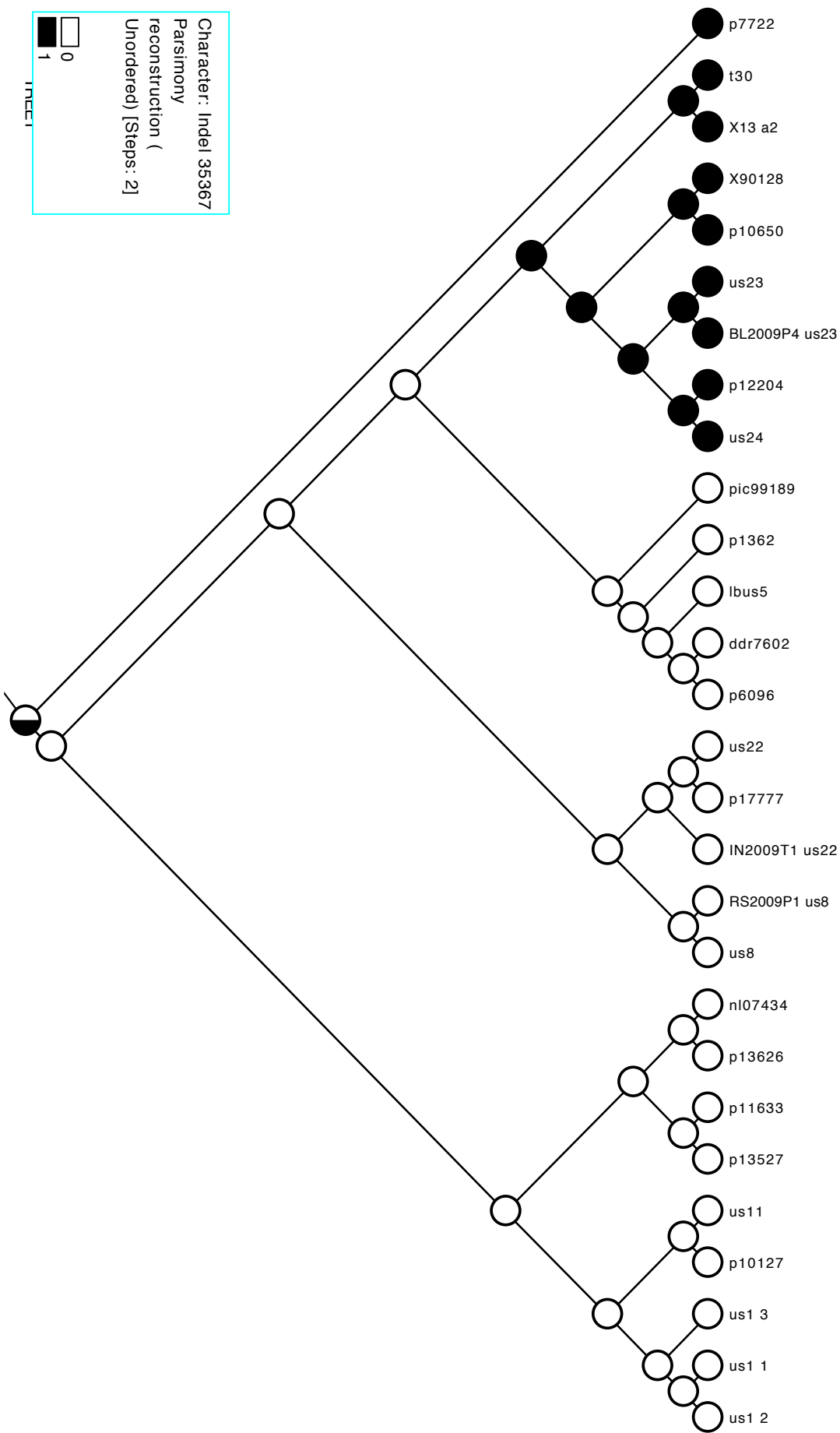
C

G

T

Phylogenetic tree showing relationships between various taxa. The tree is rooted on the left and branches out to the right. Taxa are represented by colored circles: blue for A, yellow for C, green for G, and red for T. The taxa names are listed to the right of each circle. The tree shows a complex branching pattern with many internal nodes and tips.

Tree: TREE1



Character: Character 33

Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T

Phylogenetic tree showing relationships between various taxa. The tree is rooted on the left and branches out to the right. Most nodes are blue circles, but two nodes are green circles. The taxa names are listed to the right of the tree.

Taxa names (from top to bottom):

- p7722
- nl07434
- p11633
- p13527
- p13626
- p10127
- us11
- us1 3
- us1 1
- us1 2
- RS2009P1 us8
- us8
- p17777
- IN2009T1 us22
- us22
- lbus5
- p1362
- ddr7602
- p6096
- pic99189
- BL2009P4 us23
- p10650
- p12204
- X13 a2
- t30
- us23
- us24
- X90128

Tree: TREE1

Character: Character 34

Parsimony reconstruction (Unordered) [Steps: 1]

A

C

G

T

Phylogenetic tree diagram showing relationships between various taxa. The tree is rooted on the left and branches out to the right. Taxa are represented by green circles, except for 'lbus5' which is a blue circle. The taxa labels are: p7722, nl07434, p11633, p13527, p13626, p10127, us11, us1 3, us1 1, us1 2, RS2009P1 us8, us8, p17777, IN2009T1 us22, us22, lbus5, p1362, ddr7602, p6096, pic99189, BL2009P4 us23, p10650, p12204, X13 a2, t30, us23, us24, and X90128.

Tree: TREE1

