Introduction into trees drawing

R

```
[1] 'ape'
```

```
[1] TRUE
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```
Attaching package: 'ape'

The following object is masked from 'package:ape':

    rotate
```

Introduction to ape library

1. Read our first tree in Newick format

```
Phylogenetic tree with 5 tips and 4 internal nodes.

Tip labels:
  t1, t2, t3, t4, t5

Rooted; no branch lengths.
```

2. Plot our tree

Pic0.png saves this tree as embedded

3. Save our picture

Saving 7 x 7 in image

Saving 7 x 7 in image

4. Load tree

```
Phylogenetic tree with 1000 and 1000 internal nodes.

Tip labels:
  Ecoli_K12_MG1655, Acidithiobacillus_ferrooxidans_ATCC_23270, Clostridium_ulcerans_DSM, Bradyrhizobium_sp_ORS_278, Streptococcus_thermophilus_LMD-9, Shigella_flexneri_2a_str_301, Shigella_flexneri_2a_2457T, Shigella_flexneri_2a_NCTC
```

```
In [20]: Phylo.draw_ascii(tree)
```

Hoferichthys_sp1_BRA404
Hoferichthys_sp1_BRA7_27
Hoferichthys_sp1_PER
Hoferichthys_sp1_BOL
Ortegichthys_Flavescens_Sp_CA0777
Ortegichthys_Flavescens_Sp_ANC
Hoferichthys_ambortizae
Hoferichthys_sp1_CuzCo
Hoferichthys_Sp_CuzCoAnc1ad
Hoferichthys_Sp_CuzCoAnc1ad2
Hoferichthys_ambortizae_BOL
Hoferichthys_ambortizae_BOL2
Hoferichthys_ambortizae_Sp_Ma
Hoferichthys_ambortizae_Sp_Ma2
Hoferichthys_ambortizae_Sp_Ma3
Hoferichthys_sp1_PER
Hoferichthys_sp1_PER2
Hoferichthys_sp1_PER3
Hoferichthys_sp1_PER4
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Hoferichthys_sp1_PER39
Hoferichthys_sp1_PER40
Hoferichthys_sp1_PER41