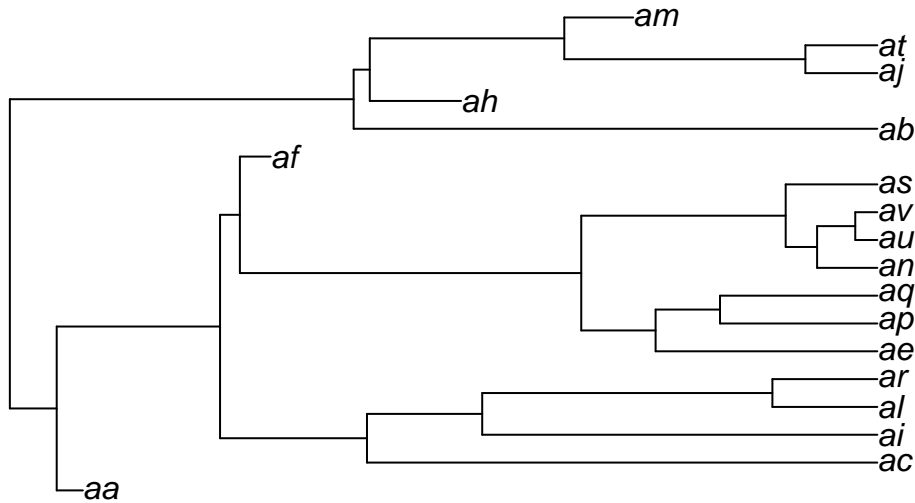# dmeav02 Usage

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tree simulation and consistency

```r
s = sim.tree(ct=6)
plot(s$phylo)
```



```r
s$tree
```

```
## $wt
##  [1] 0.32918324 0.30634277 0.17121564 0.89656299 0.12976015 0.20118963
##  [7] 0.54240586 0.08721222 0.01816842 0.59682592 0.13827279 0.53643154
## [13] 0.11091857 0.33984068 0.14629848 0.42084117 0.34260185 0.08684897
## [19] 0.12889596 0.07639519 0.24952369 0.14426427
##
## $E
##  [1] 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1
##
## $n
##  [1]  1  2  3  2  3  4  3  4  5  6  5  6  7  8  7  8  9 10 11 12 13 14
##
## $S
##  [1] "aa" "aa" "aa" "ac" "ae" "af" "ab" "ac" "ah" "ah" "ai" "aj" "ae" "am"
## [15] "ae" "ap" "al" "an" "aj" "an" "au"
##
## $br
##  [1] 0.3291832 0.6355260 0.8067417 1.7033046 1.8330648 2.0342544 2.5766603
##  [8] 2.6638725 2.6820409 3.2788668 3.4171396 3.9535712 4.0644897 4.4043304
## [15] 4.5506289 4.9714701 5.3140719 5.4009209 5.5298168 5.6062120 5.8557357
## [22] 6.0000000
```

```r
phylo2vectors(s$phylo)
```

```
## $wt
##  [1] 0.32918324 0.30634277 0.17121564 0.89656299 0.12976015 0.20118963
```

```
##  [7] 0.54240586 0.08721222 0.01816842 0.59682592 0.13827279 0.53643154
## [13] 0.11091857 0.33984068 0.14629848 0.42084117 0.34260185 0.08684897
## [19] 0.12889596 0.07639519 0.24952369 0.14426427
##
## $E
##  [1] 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1
##
## $n
##  [1]  1  2  3  2  3  4  3  4  5  6  5  6  7  8  7  8  9 10 11 12 13 14
```

```r
all.equal(s$tree$wt,phylo2vectors(s$phylo)$wt)
```

```
## [1] TRUE
```

```r
all.equal(s$tree$E,phylo2vectors(s$phylo)$E)
```

```
## [1] TRUE
```

```r
all.equal(s$tree$n,phylo2vectors(s$phylo)$n)
```

```
## [1] TRUE
```