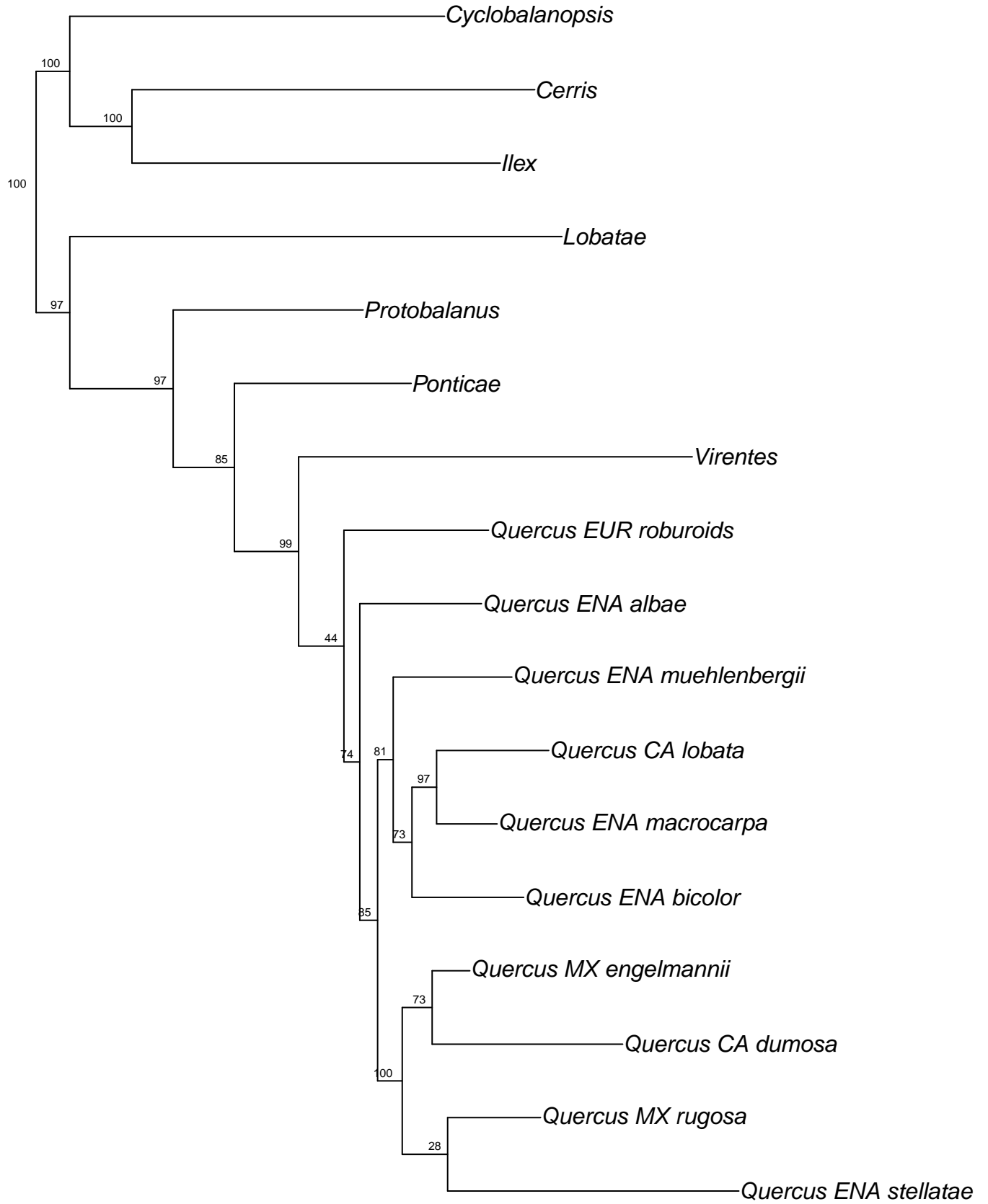
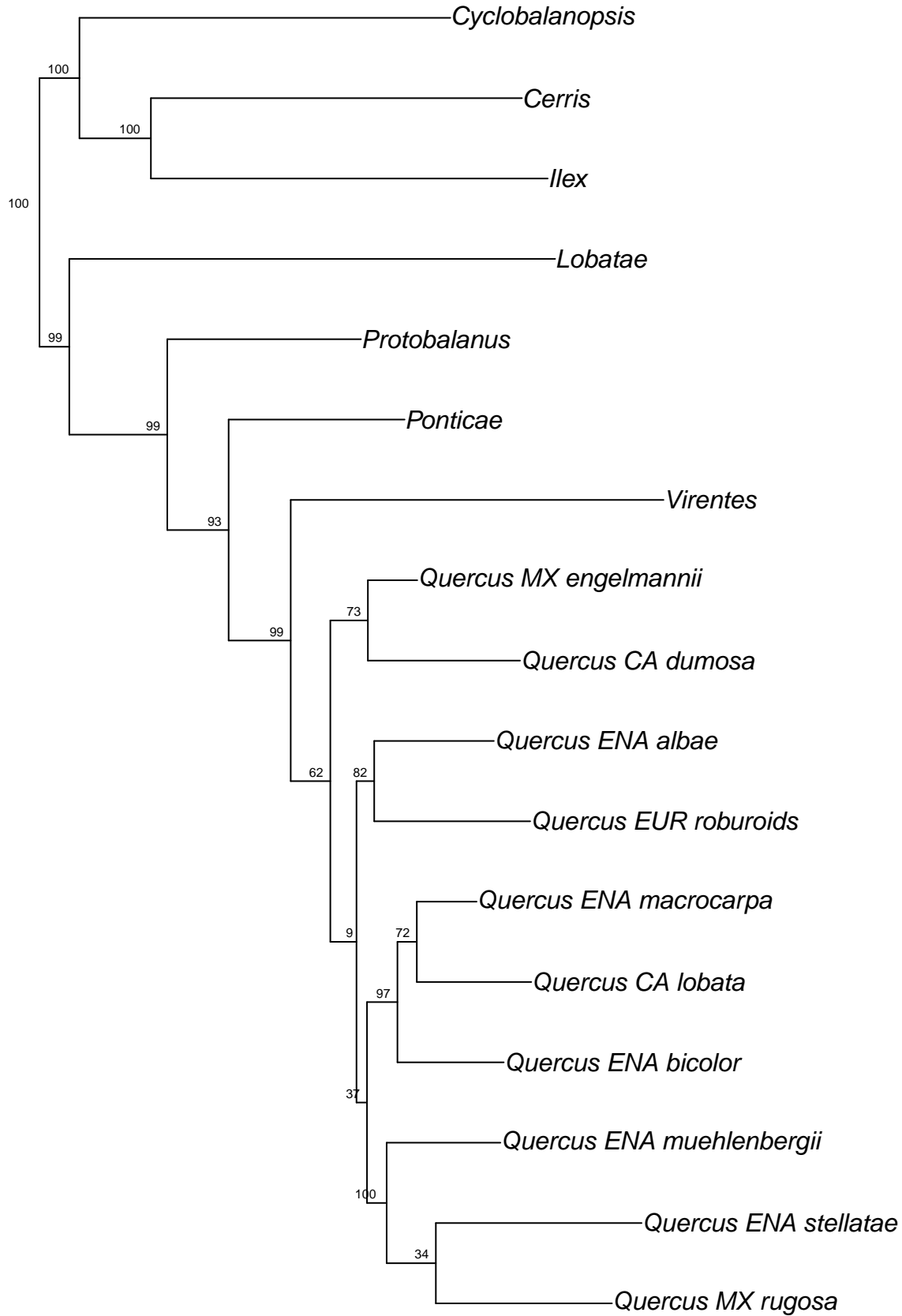


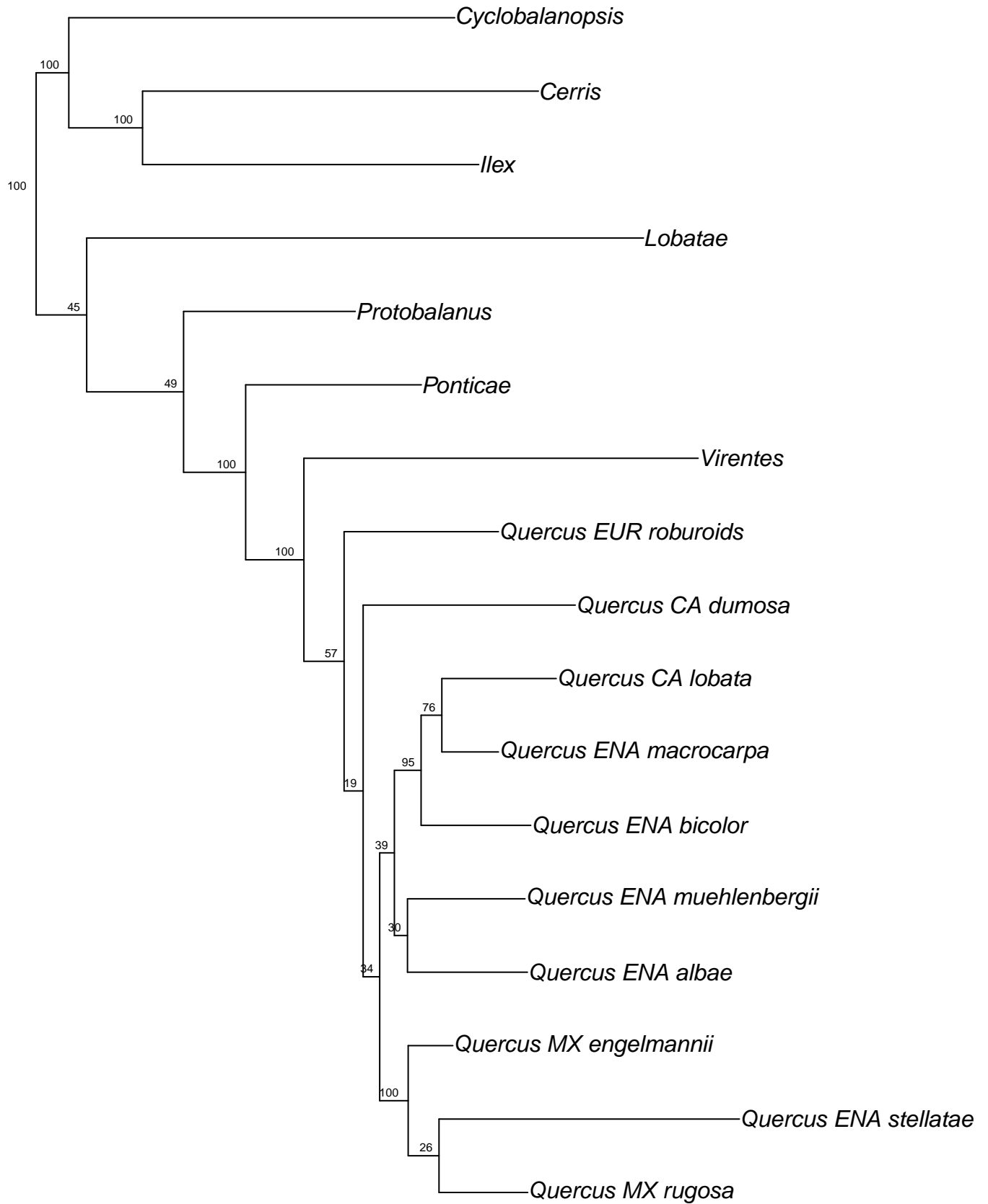
# refRAD.ref\_alba\_raxml



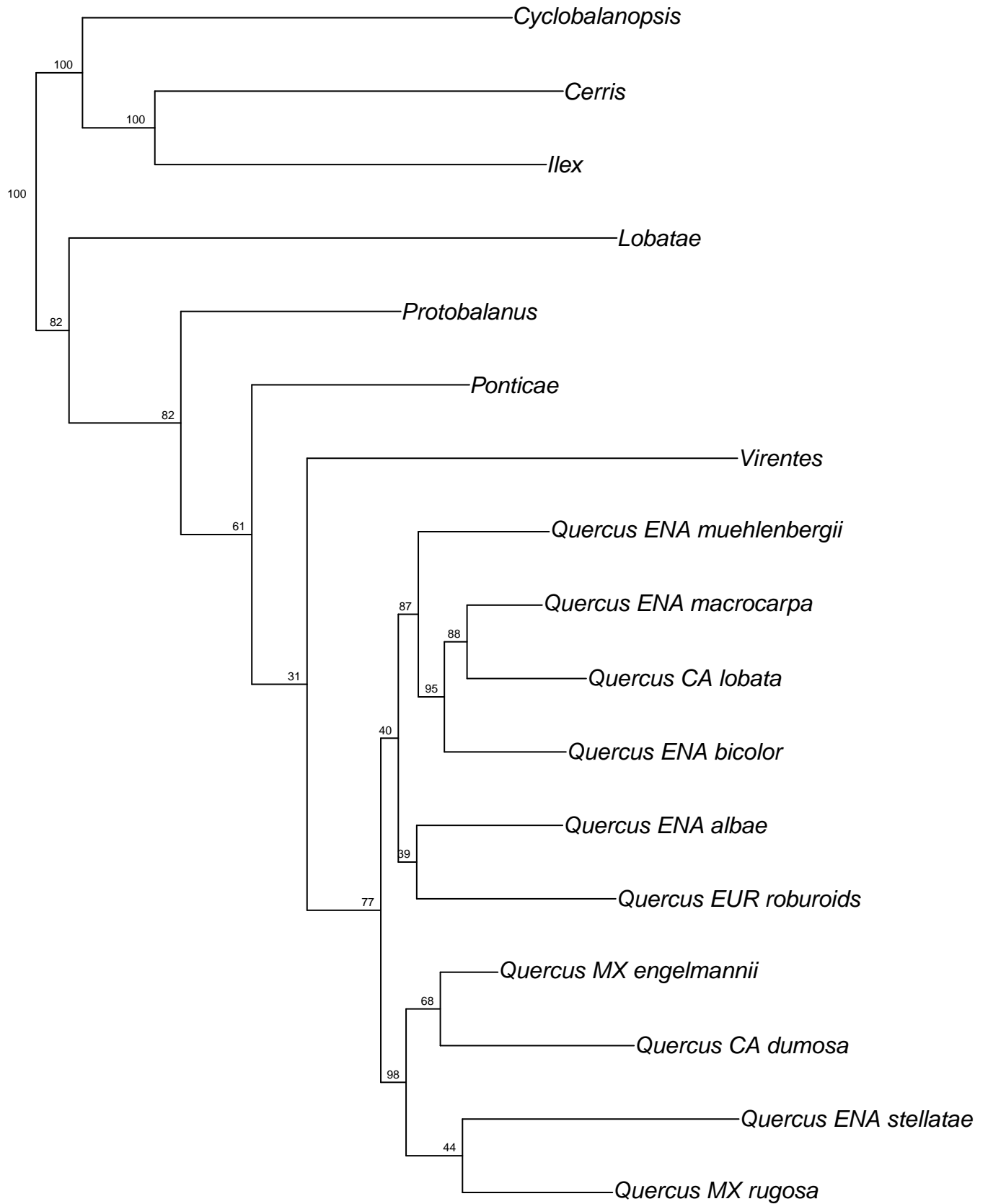
refRAD.ref\_glauca\_raxml



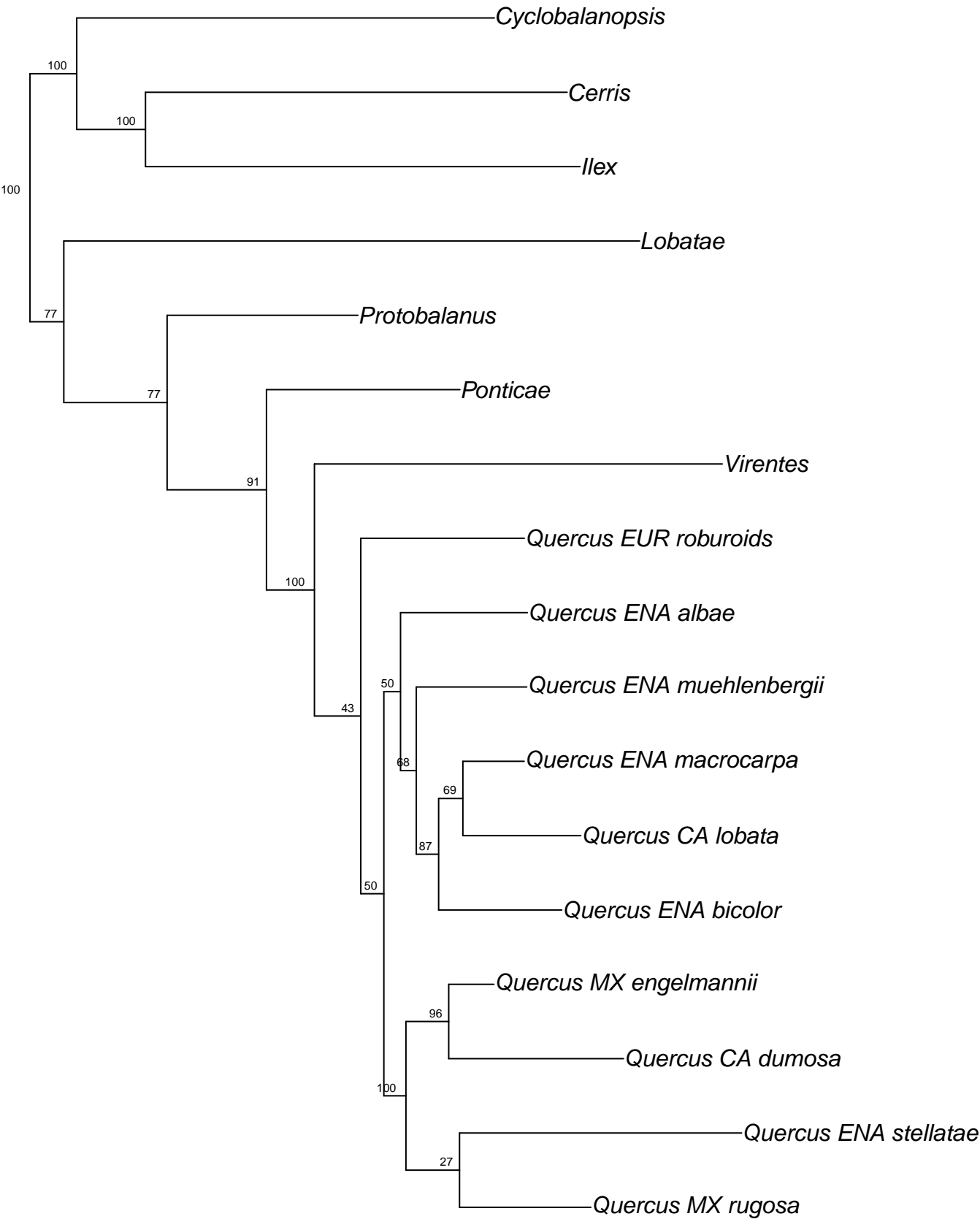
**refRAD.ref\_longispica\_raxml**



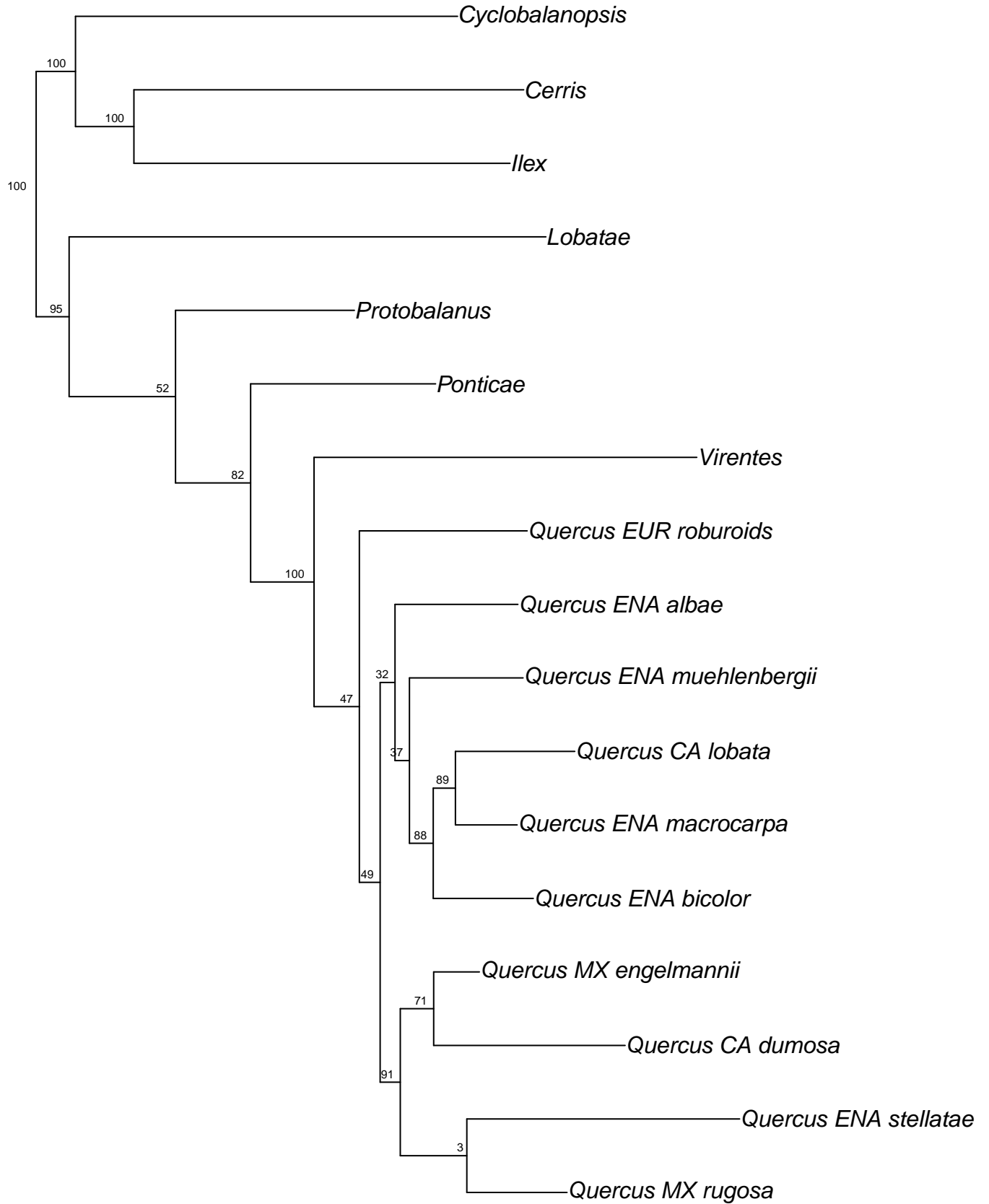
# refRAD.ref\_rubra\_raxml



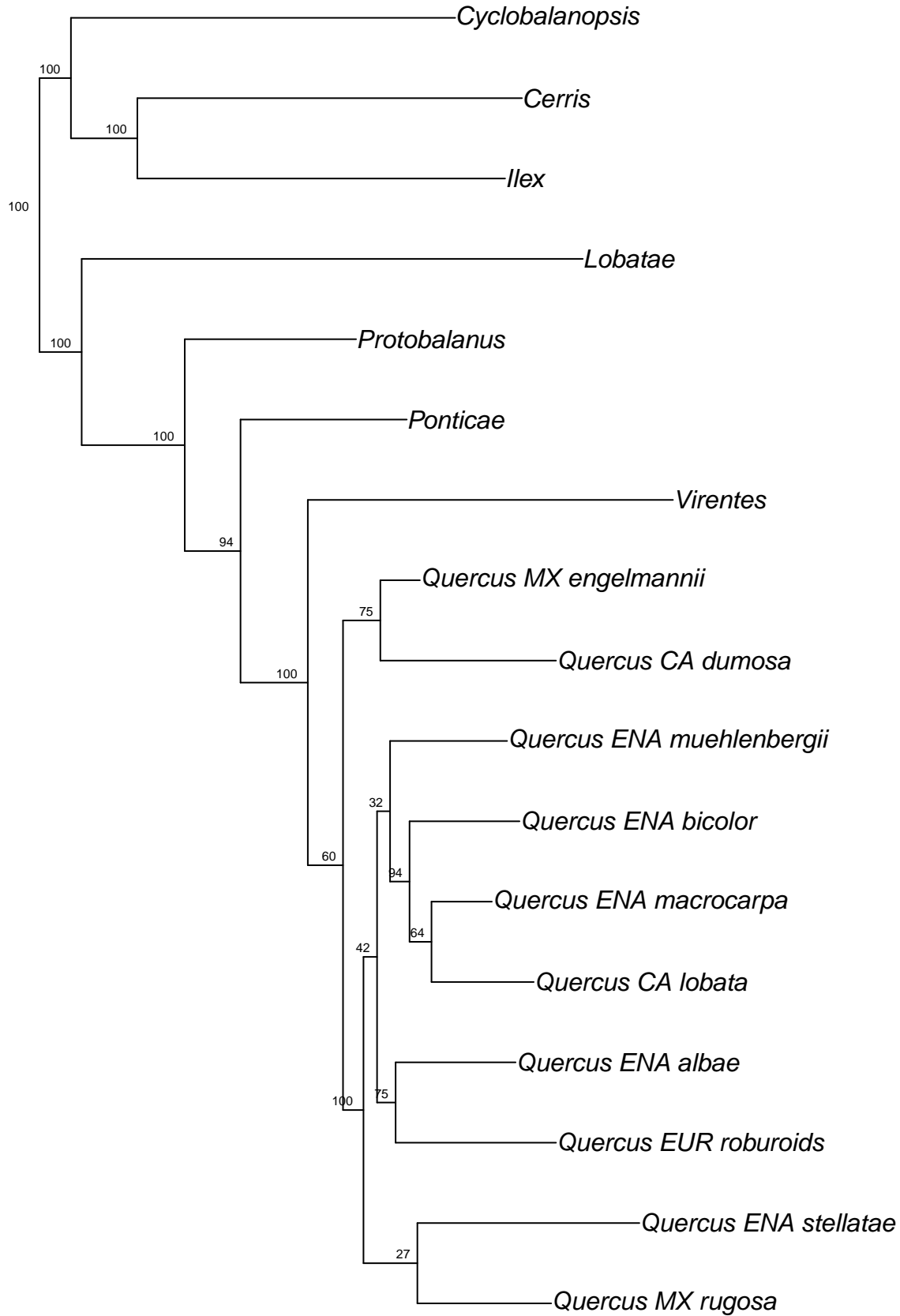
refRAD.ref\_tomentella\_raxml



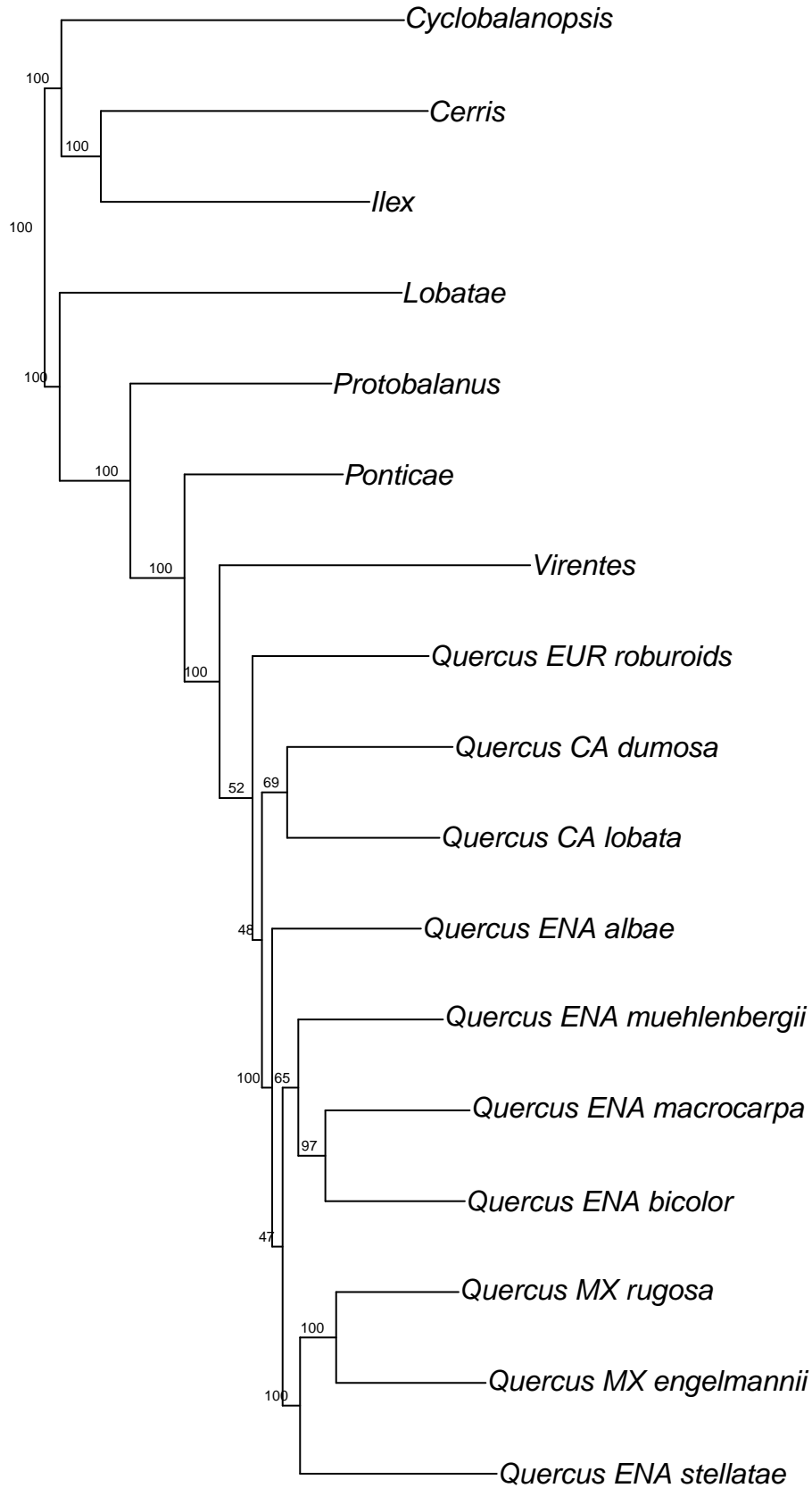
refRAD.ref\_variabilis\_raxml



# refRAD.ref\_virginiana\_raxml

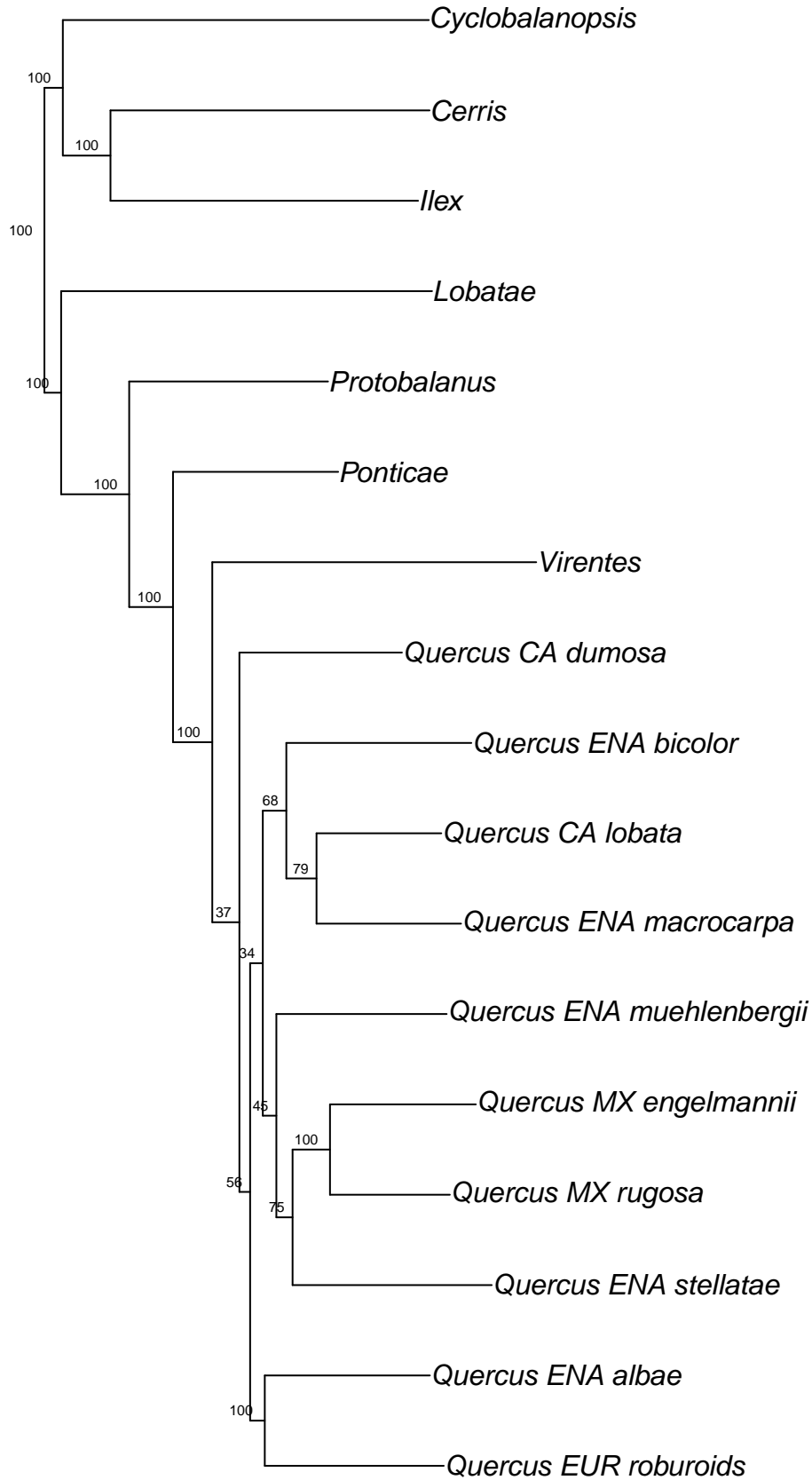


# simRAD.simRAD\_Qalba\_raxml

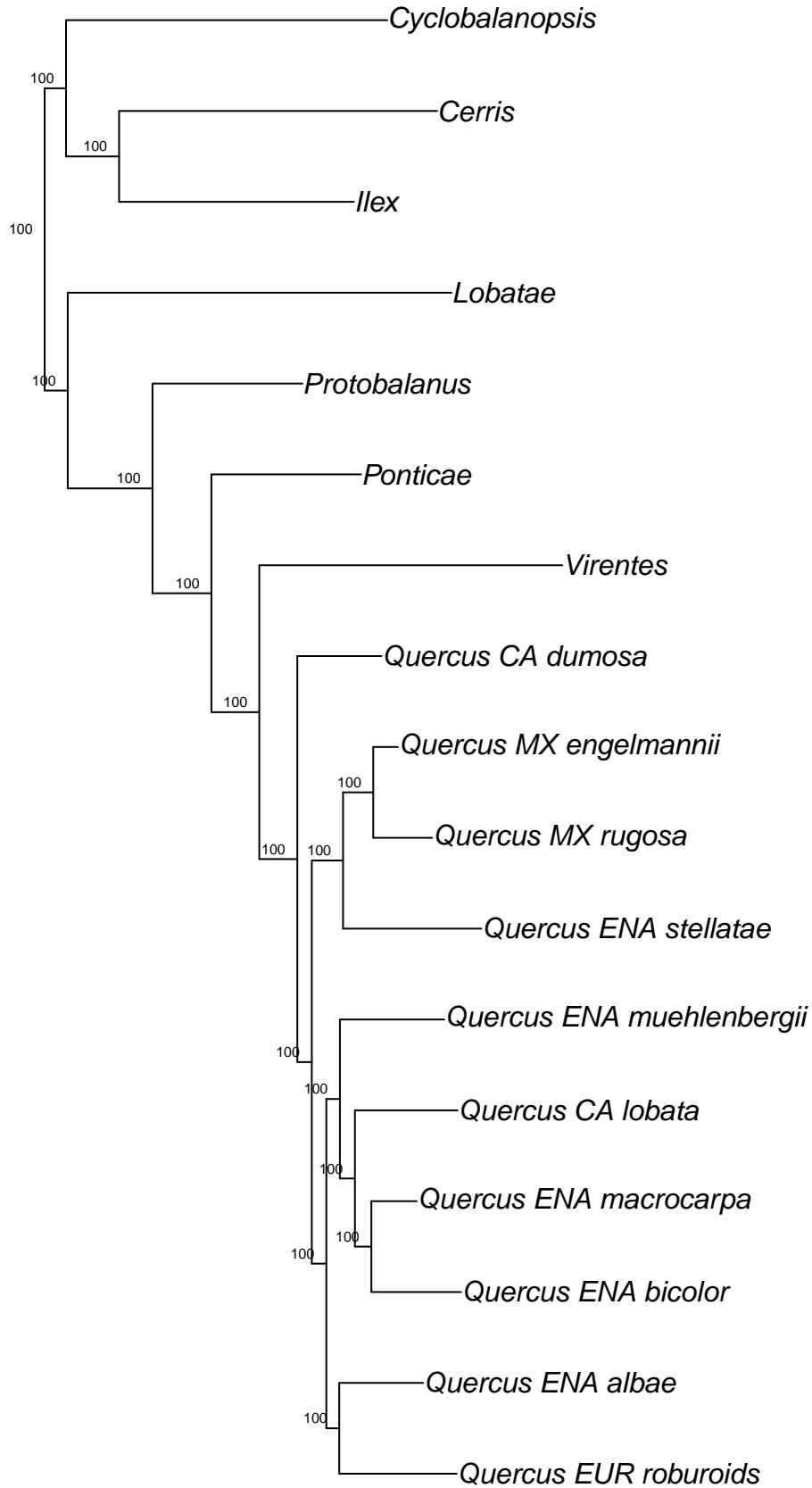




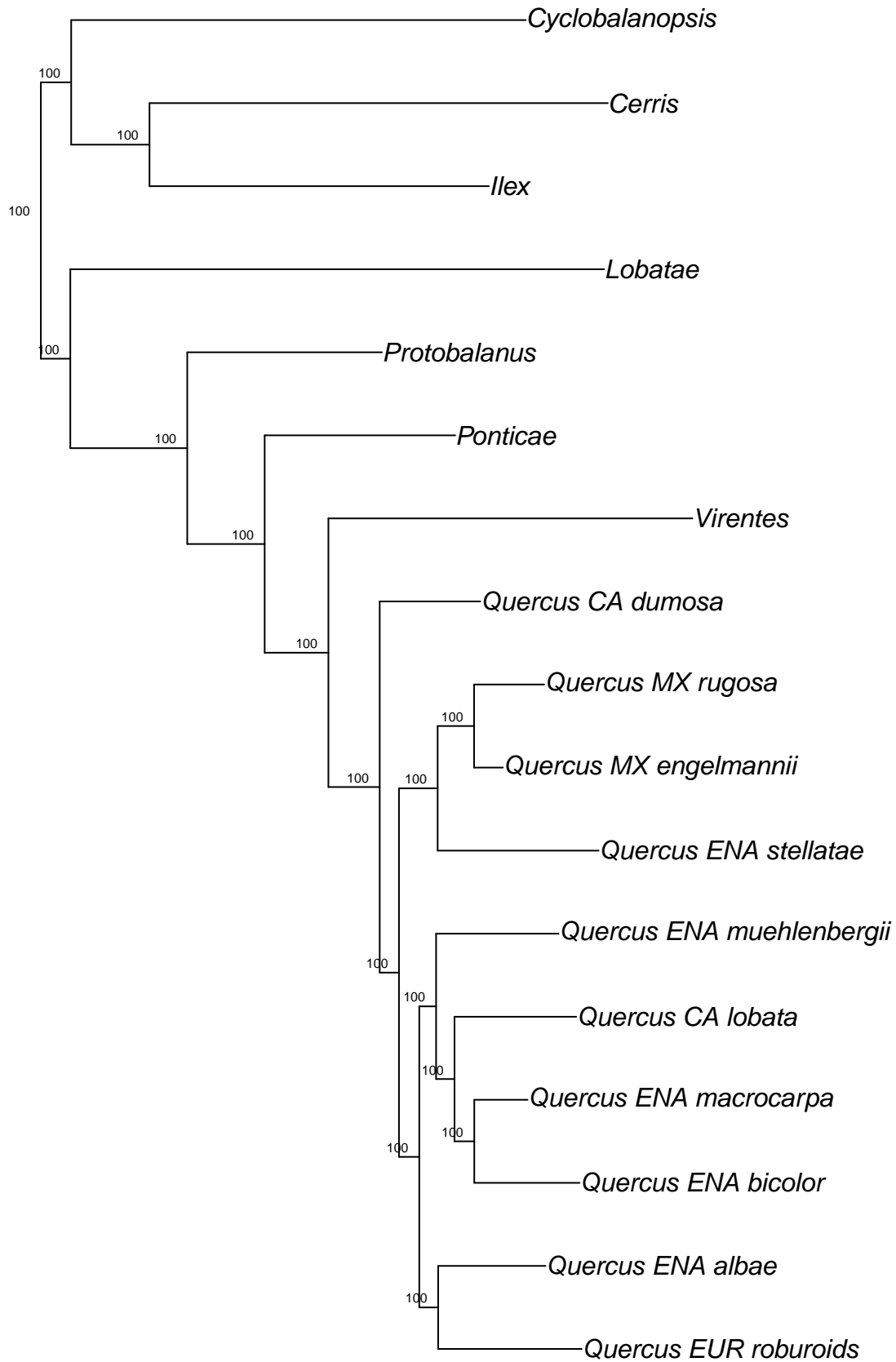
# simRAD.simRAD\_Qvar\_raxml



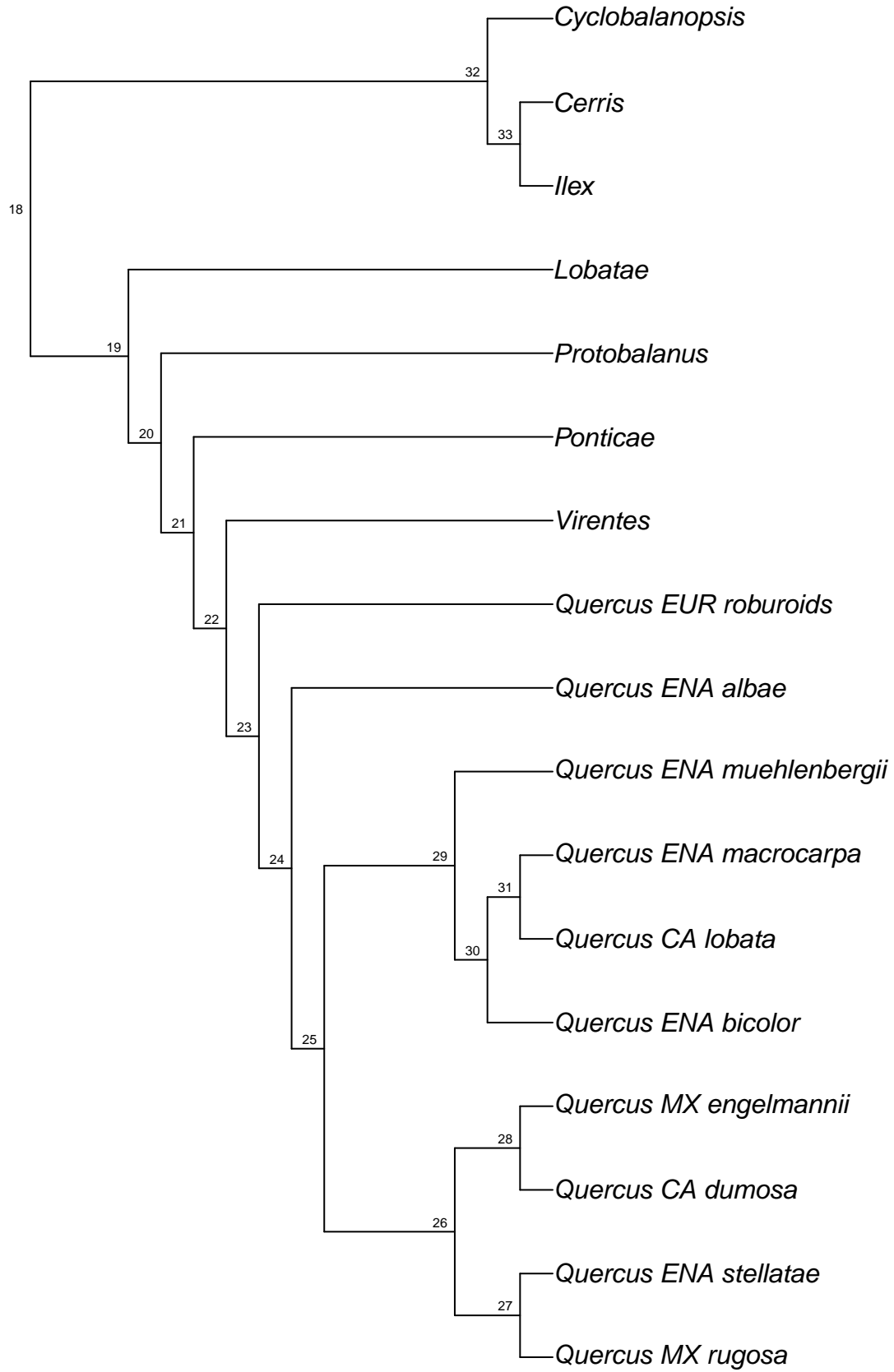
# reSeq.reseq\_Qalba



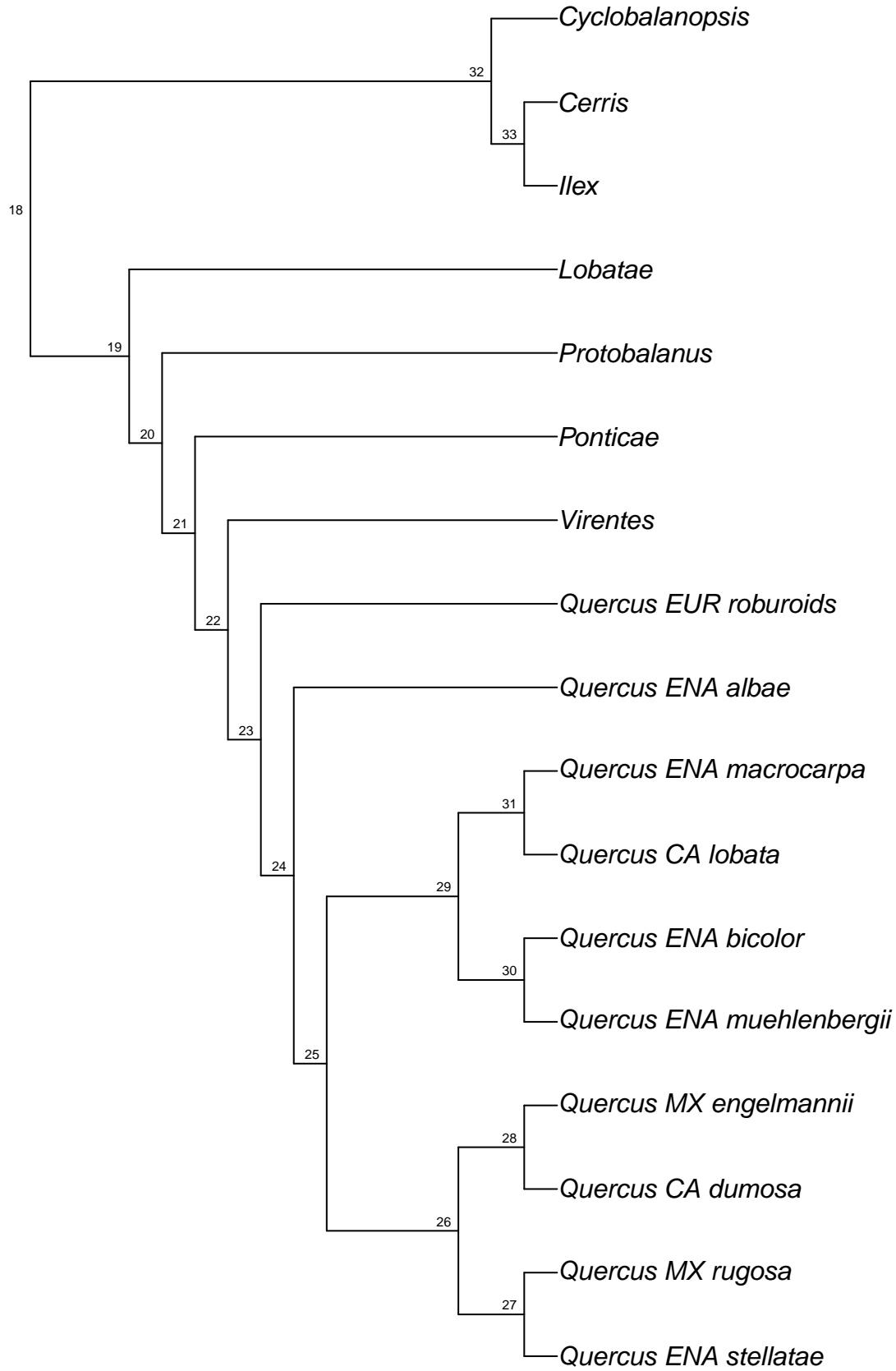
# reSeq.reseq\_Qvar



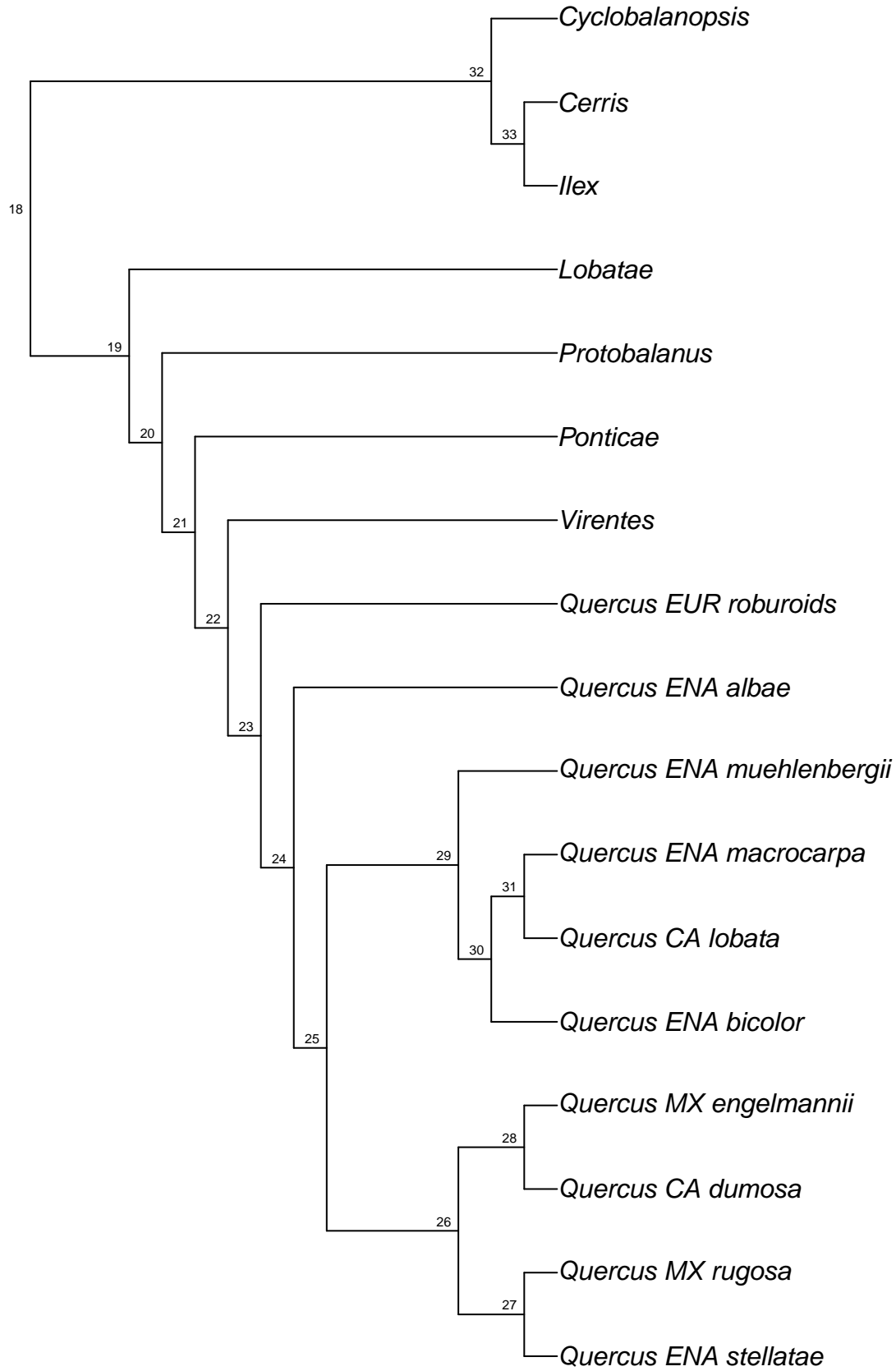
refRAD.ref\_alba\_raxml.bt001



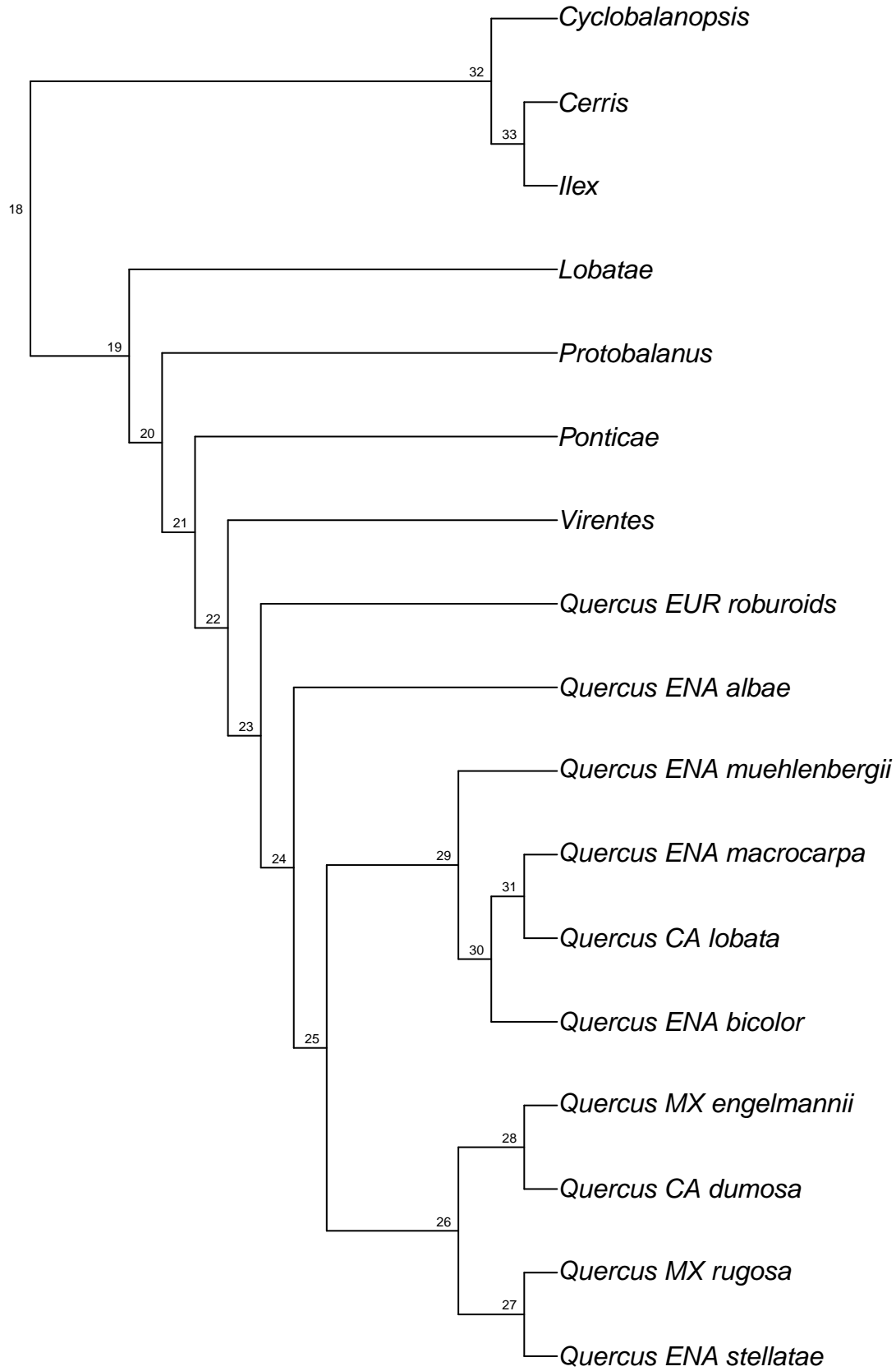
refRAD.ref\_alba\_raxml.bt002



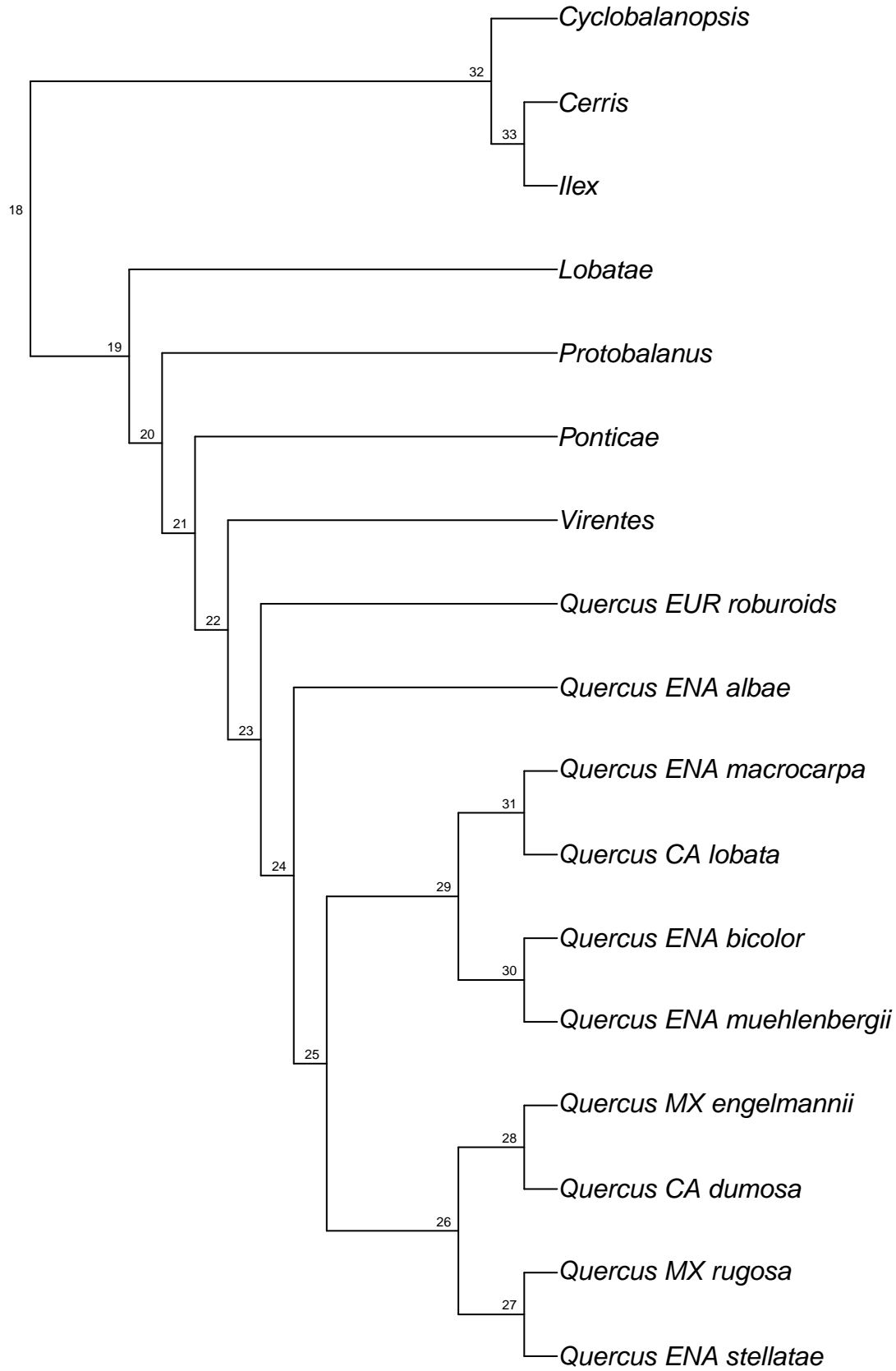
refRAD.ref\_alba\_raxml.bt003



refRAD.ref\_alba\_raxml.bt004

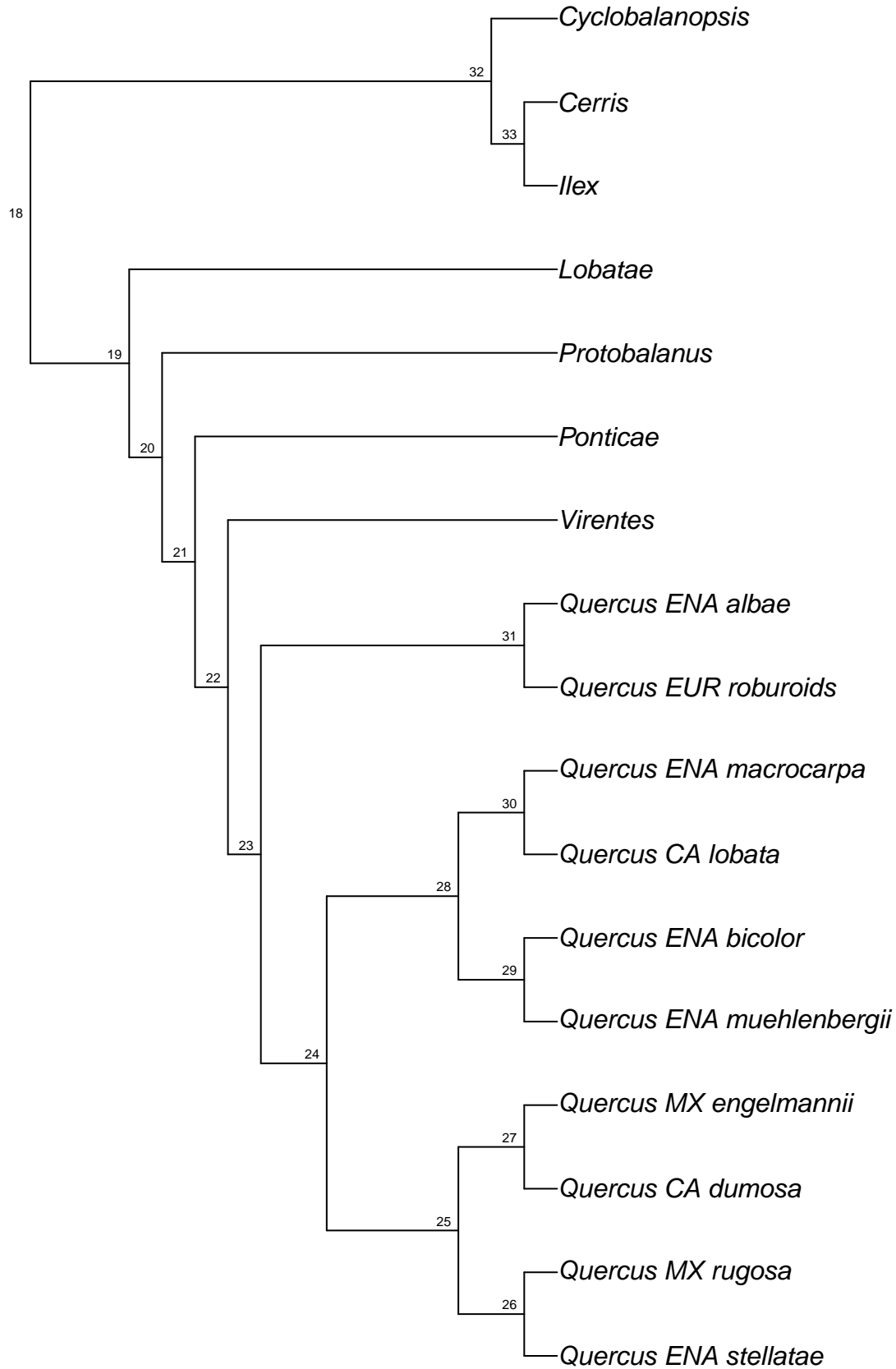


refRAD.ref\_alba\_raxml.bt005

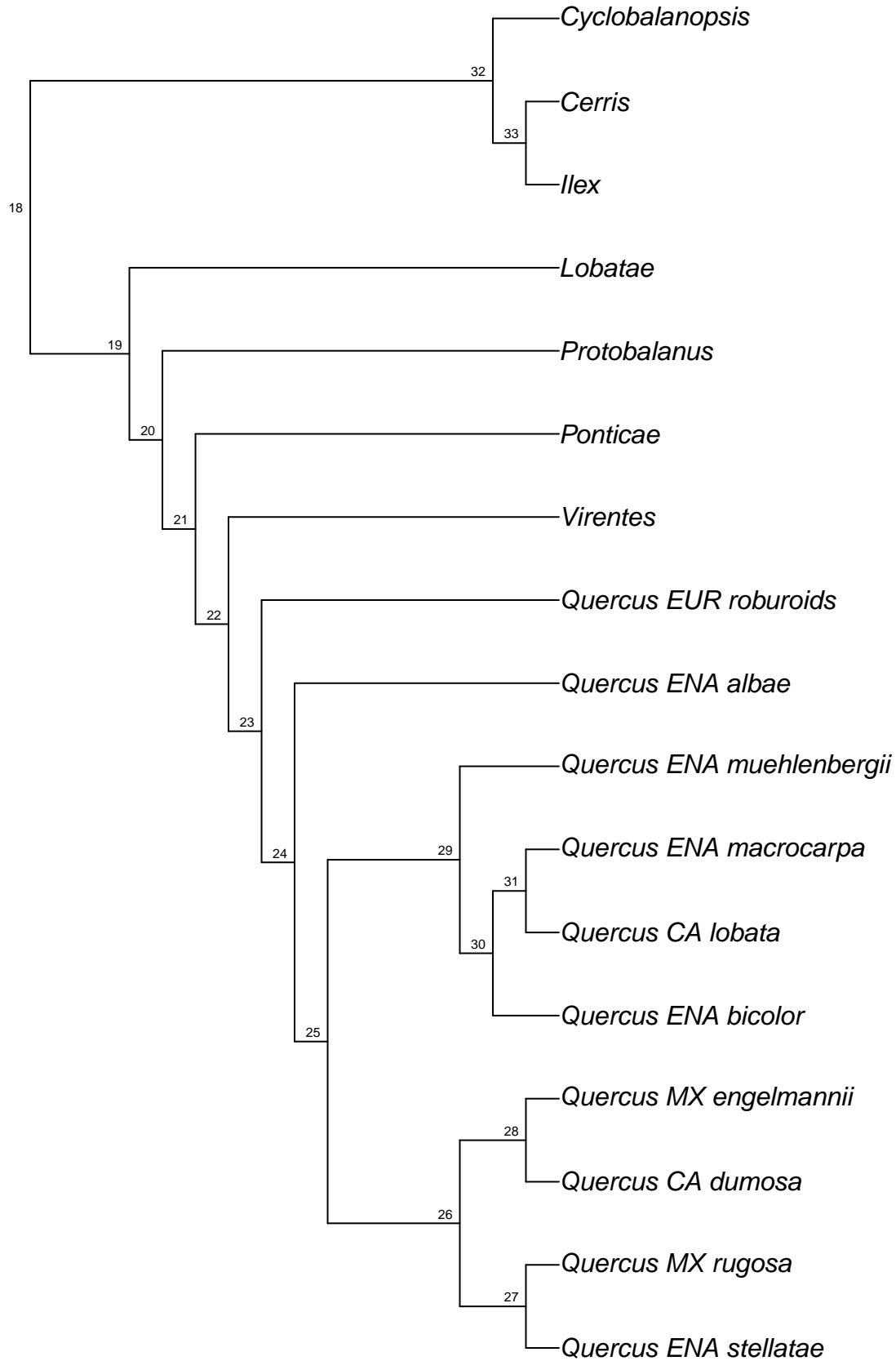




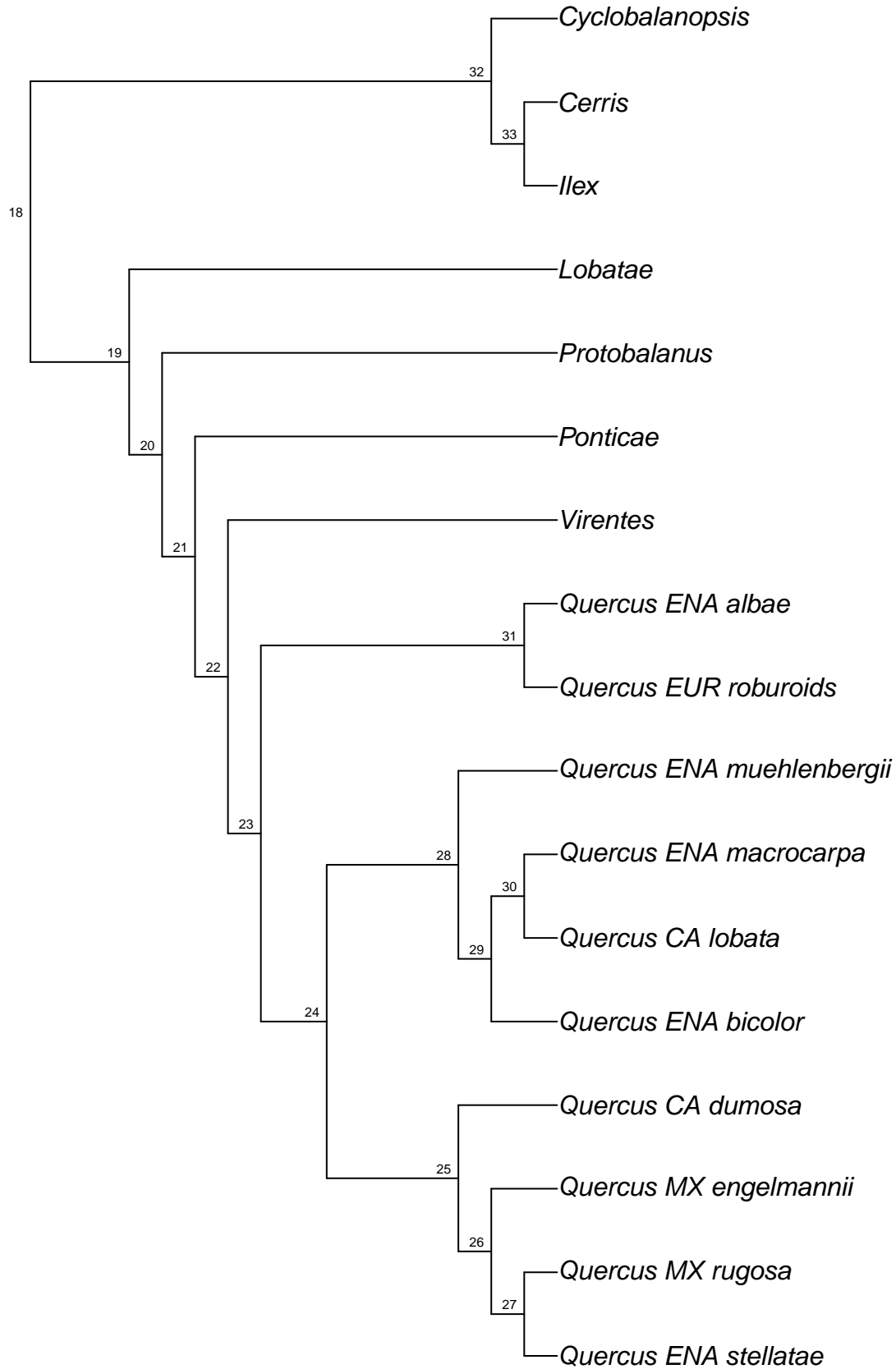
refRAD.ref\_alba\_raxml.bt006



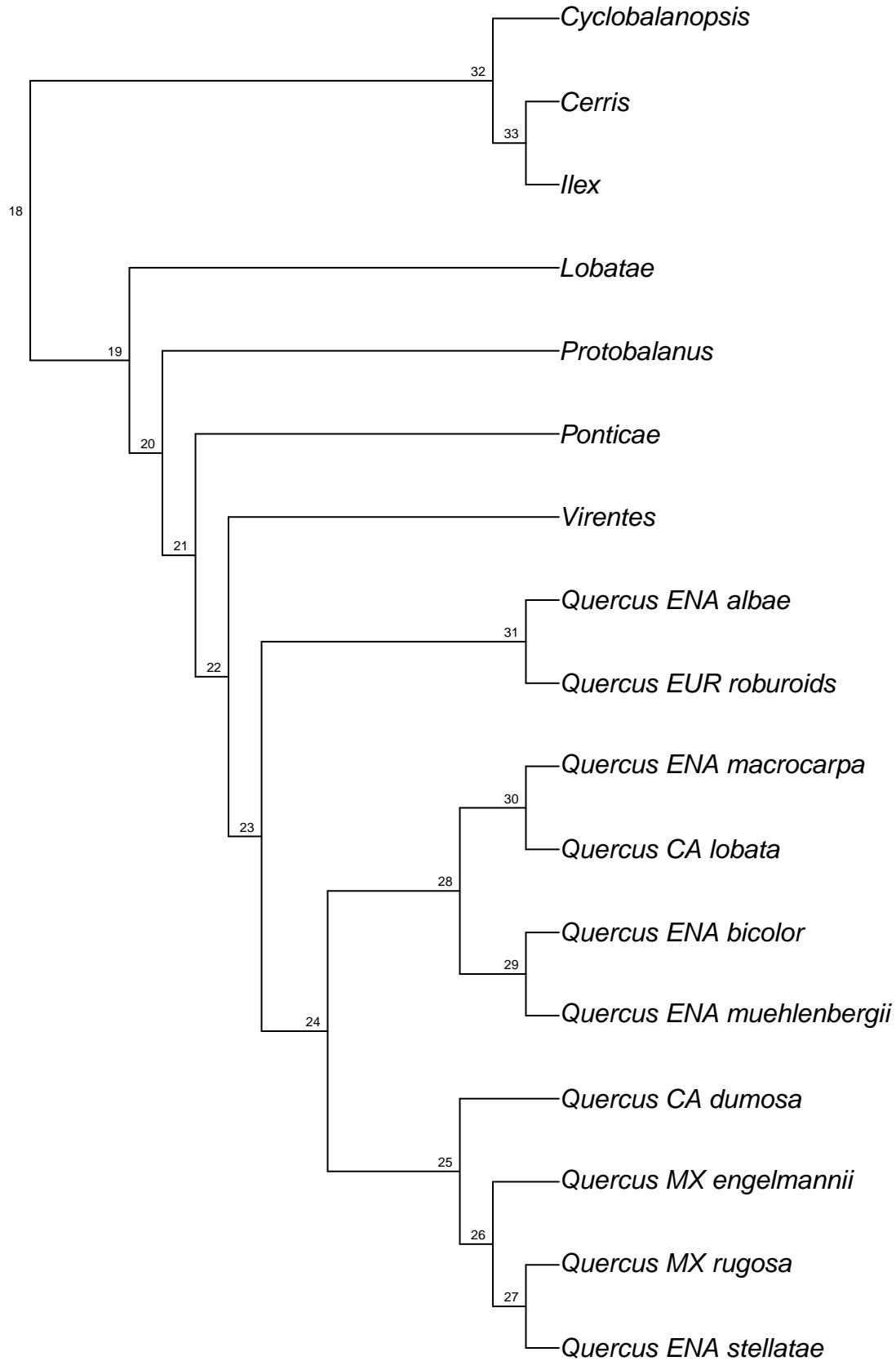
refRAD.ref\_alba\_raxml.bt007



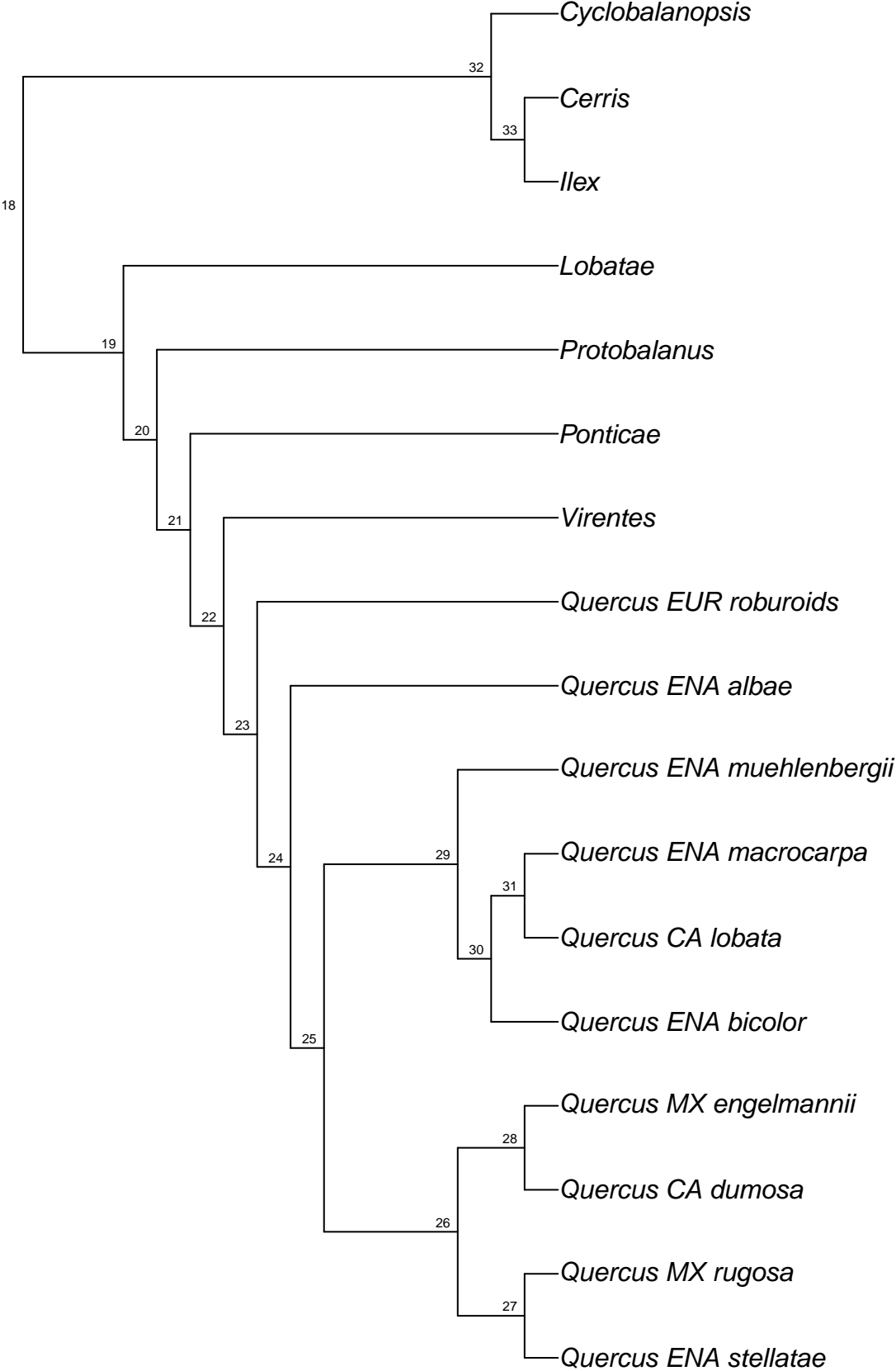
refRAD.ref\_alba\_raxml.bt008



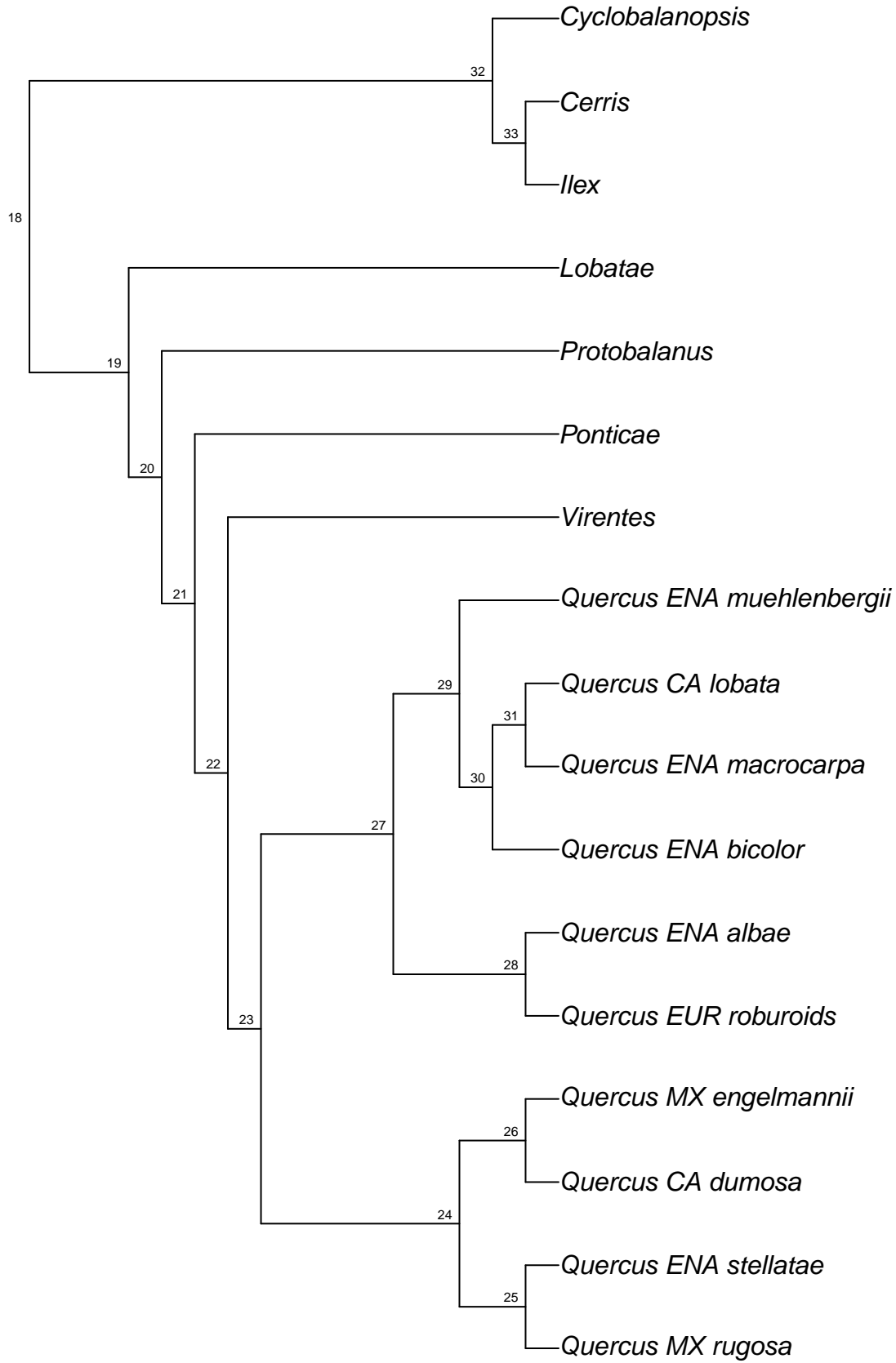
refRAD.ref\_alba\_raxml.bt009



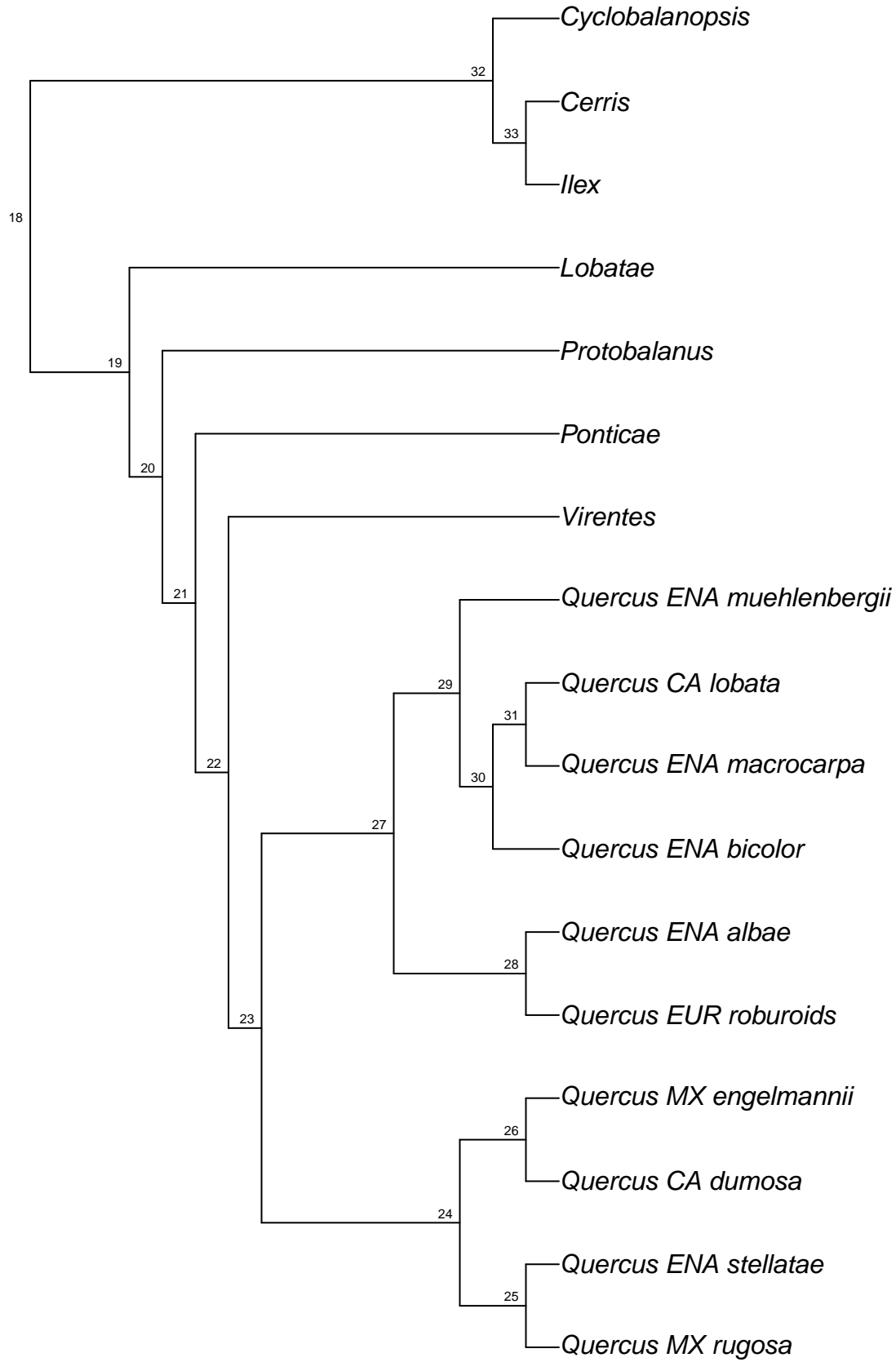
refRAD.ref\_alba\_raxml.bt010



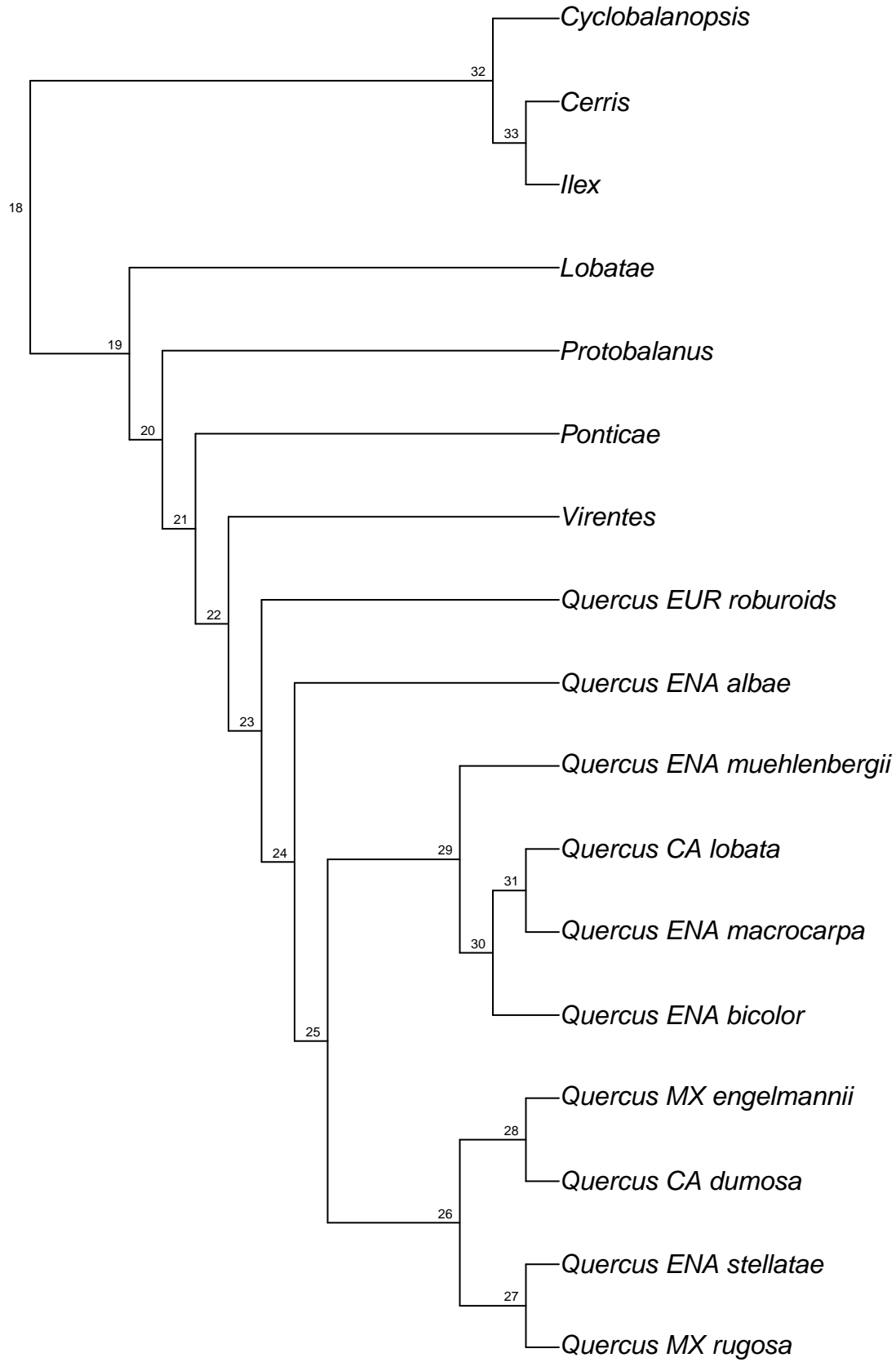
**refRAD.ref\_alba\_raxml.bt011**



refRAD.ref\_alba\_raxml.bt012

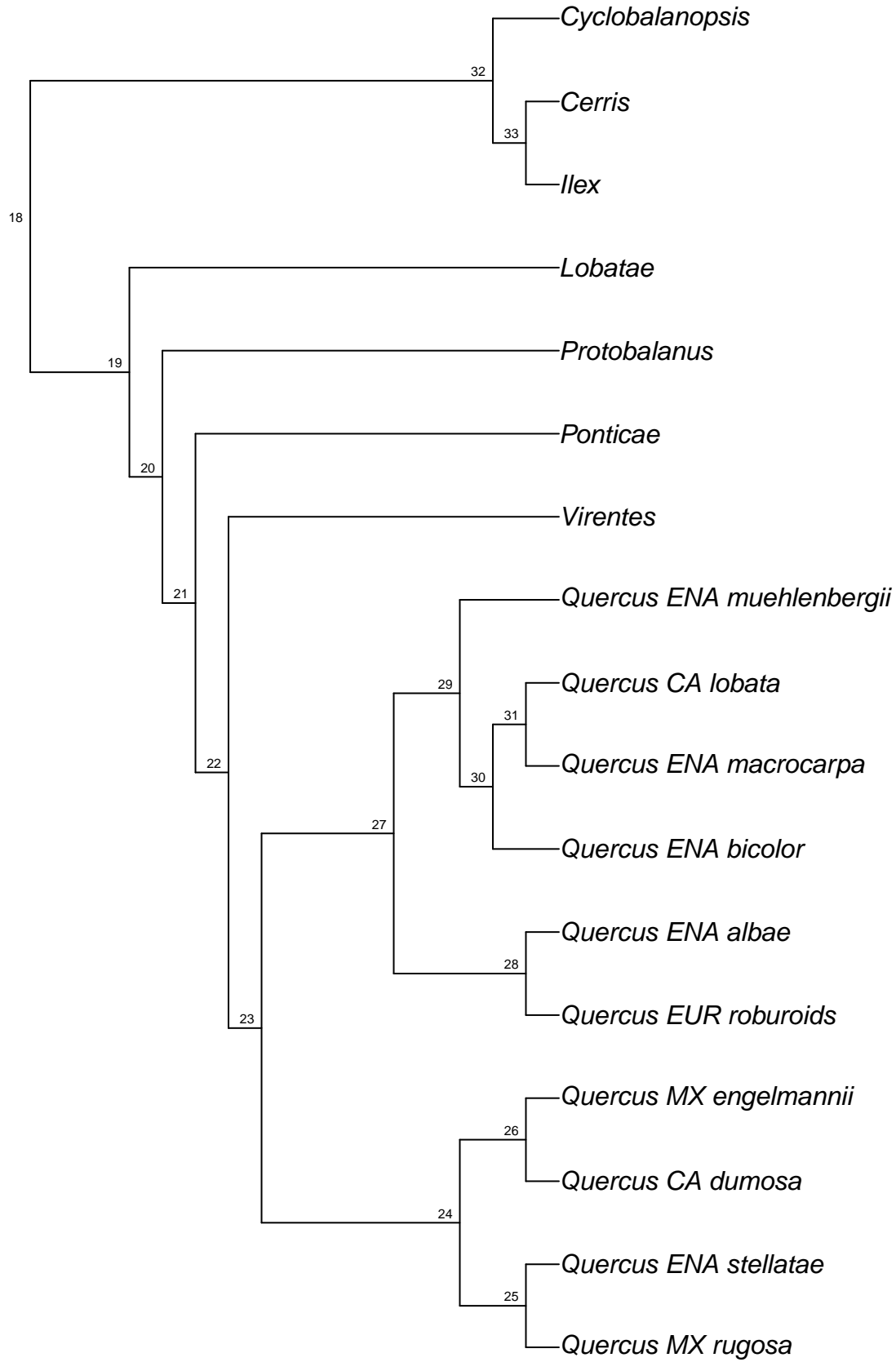


refRAD.ref\_alba\_raxml.bt013

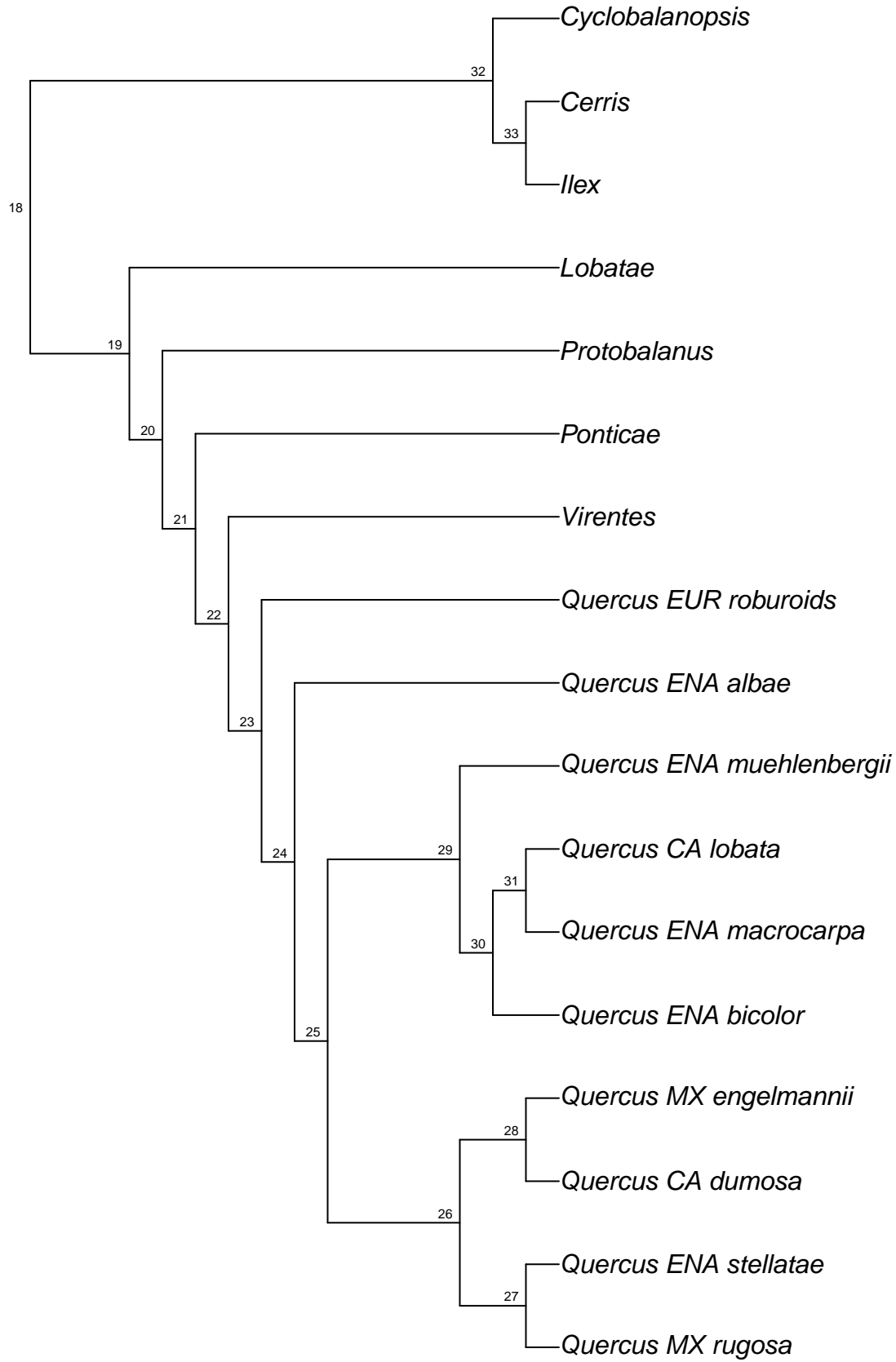




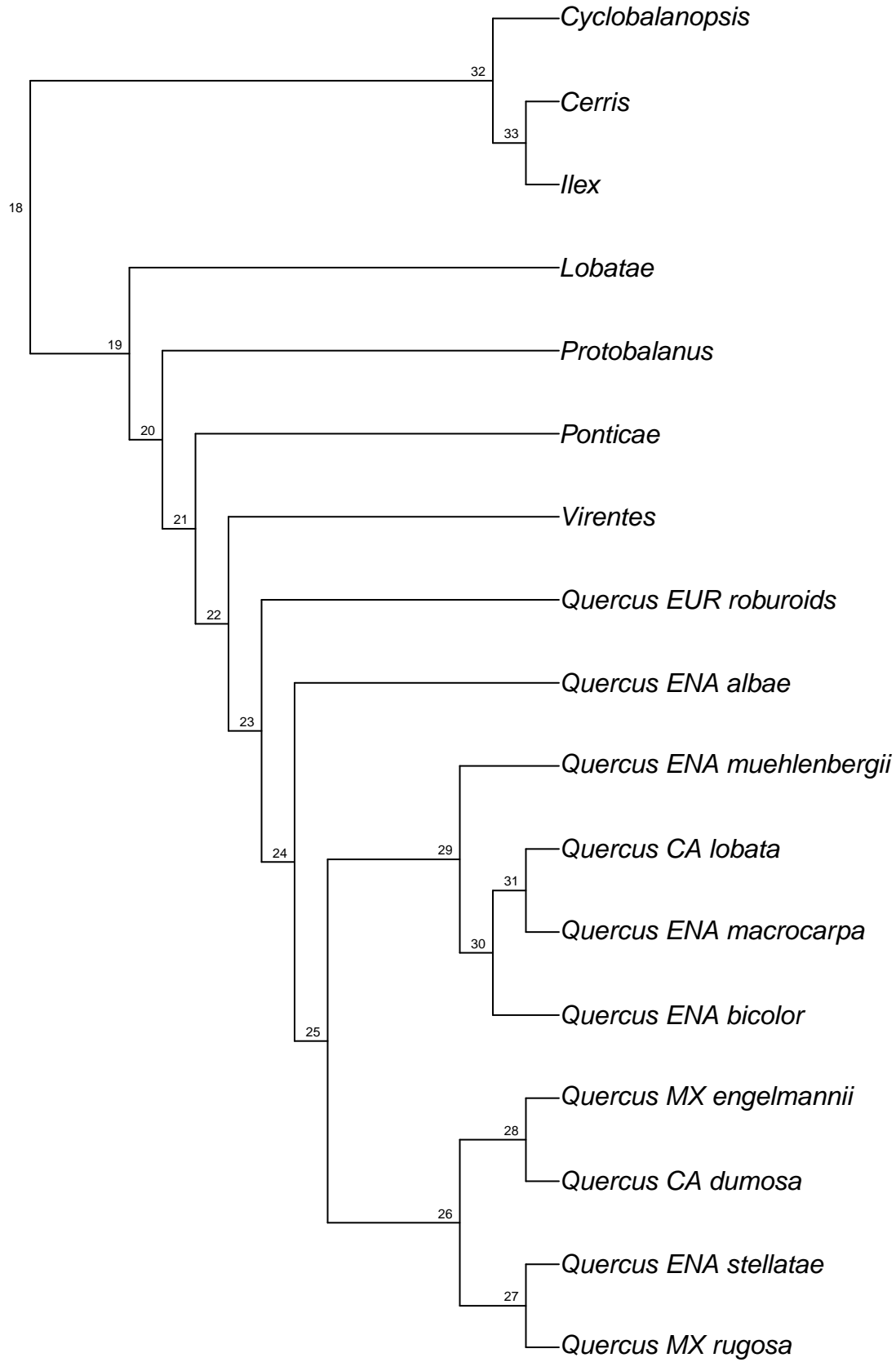
## refRAD.ref\_alba\_raxml.bt014



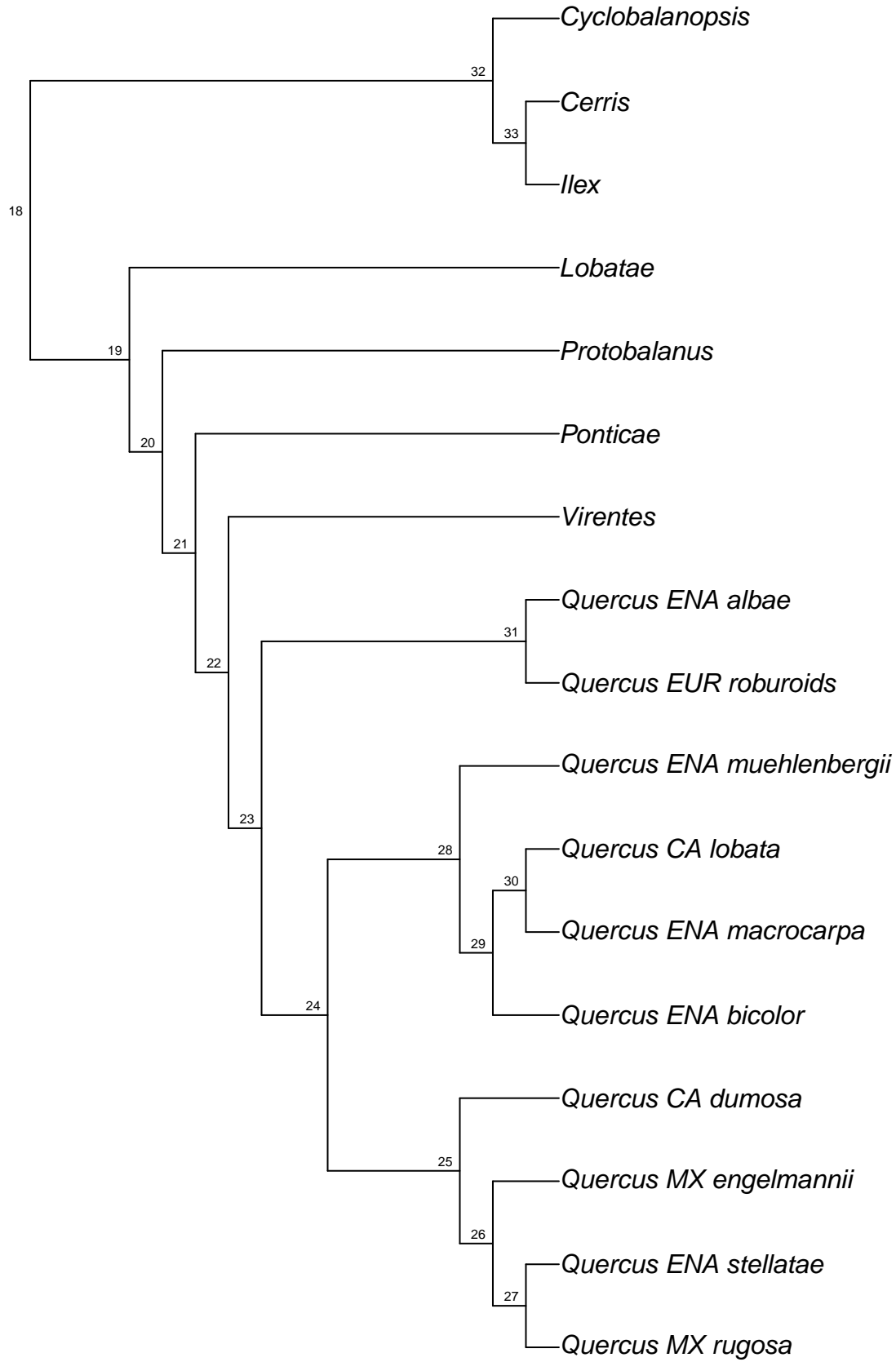
refRAD.ref\_alba\_raxml.bt015



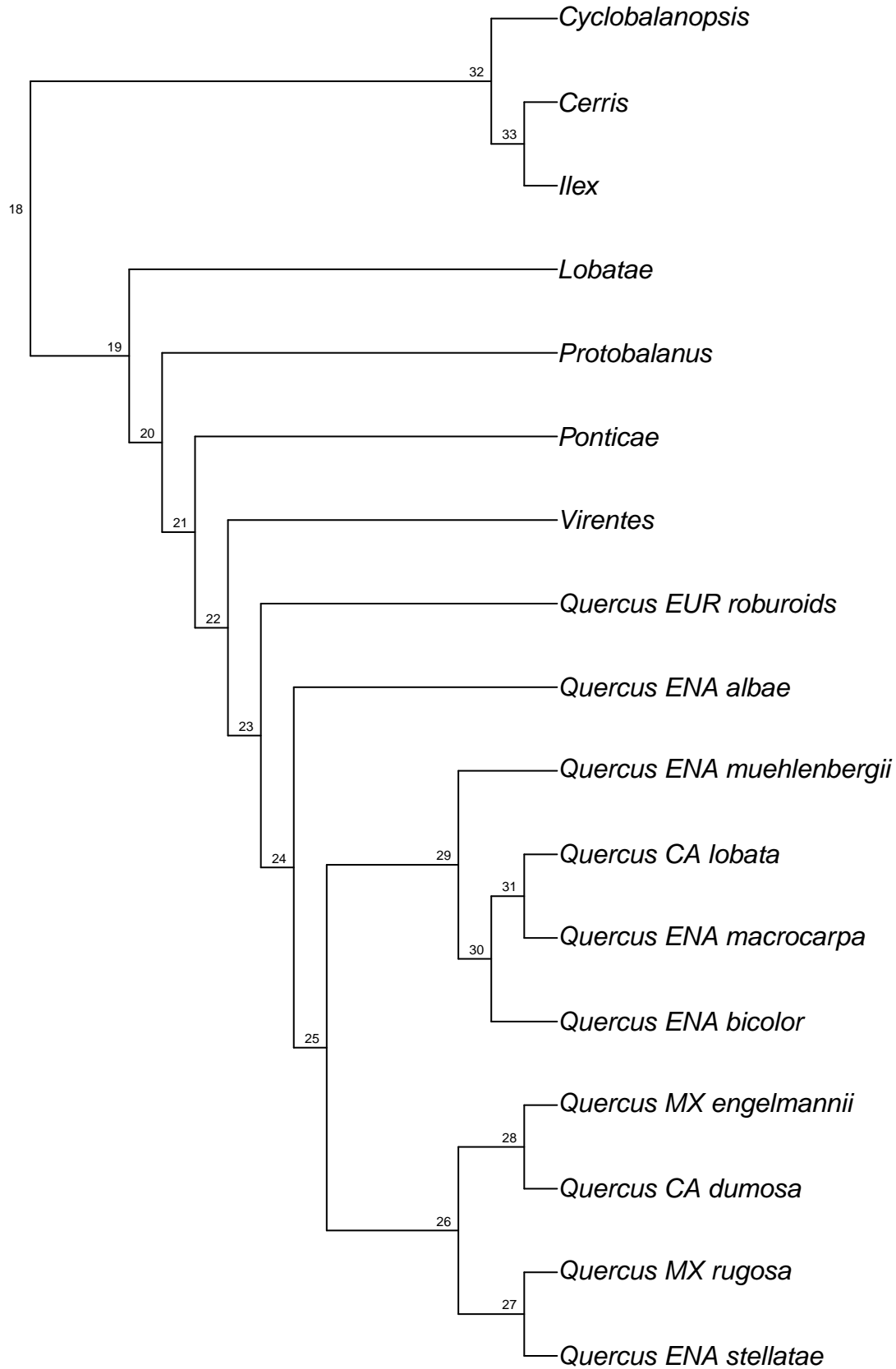
refRAD.ref\_alba\_raxml.bt016



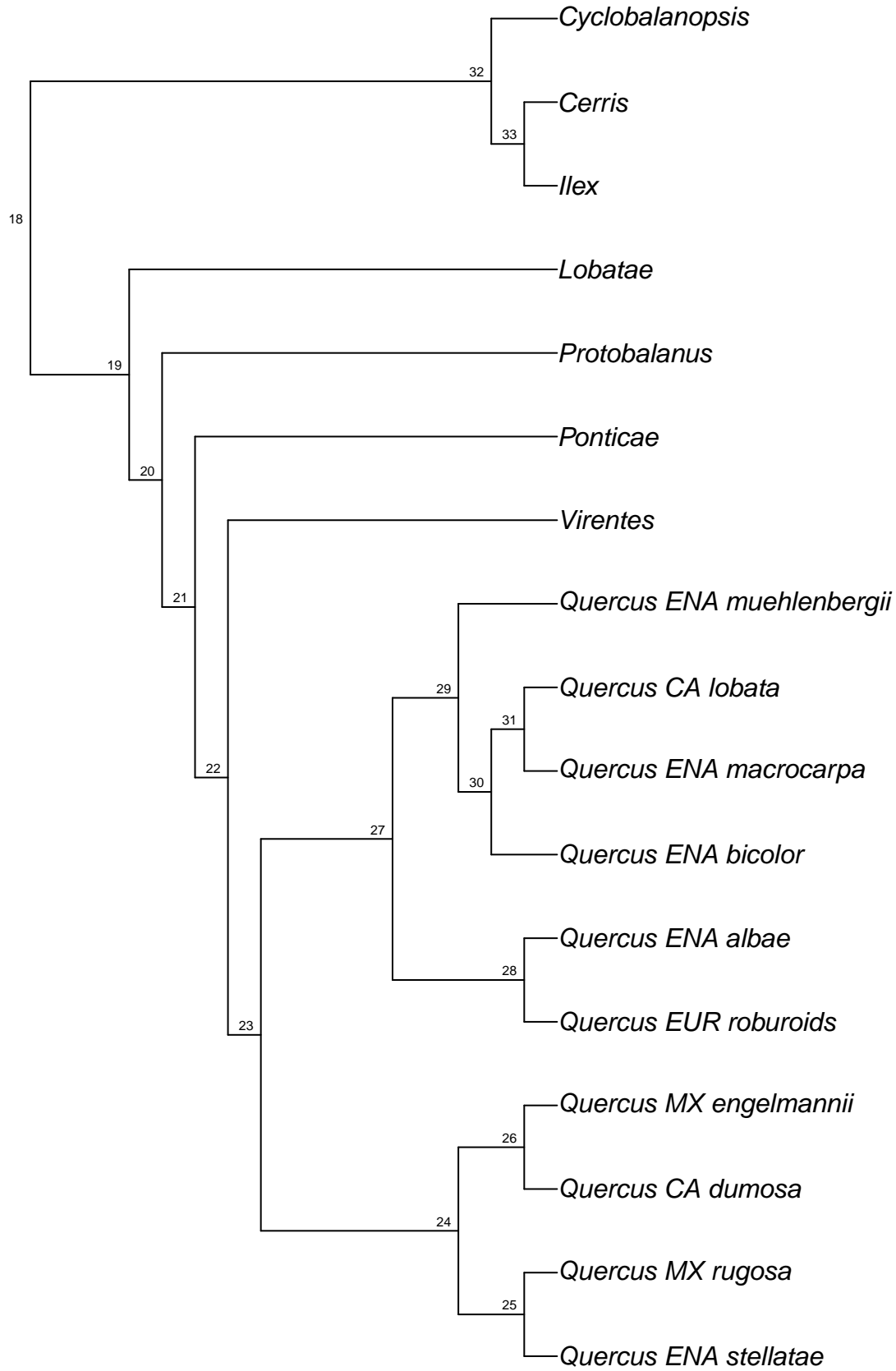
refRAD.ref\_alba\_raxml.bt017



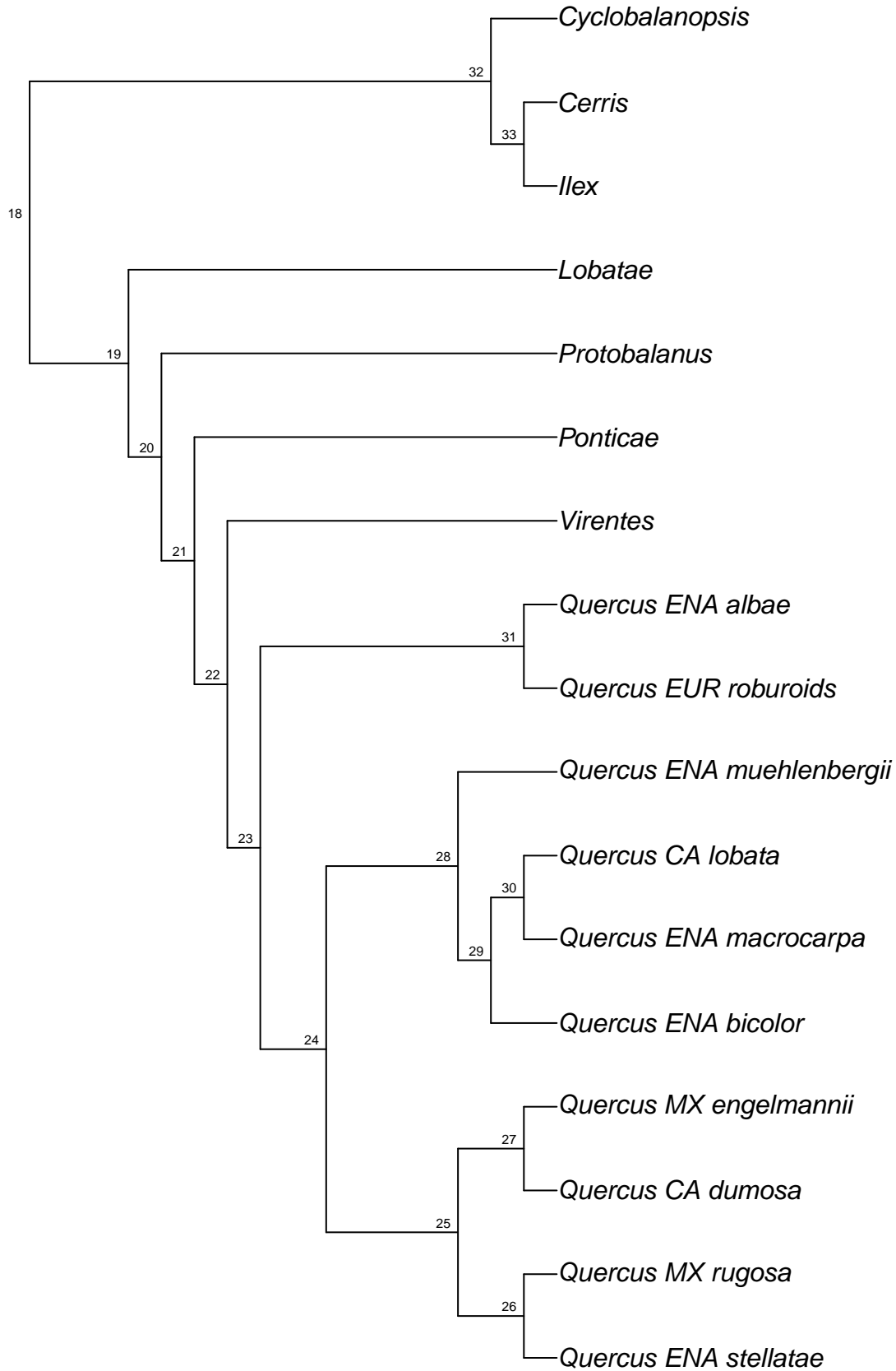
refRAD.ref\_alba\_raxml.bt018



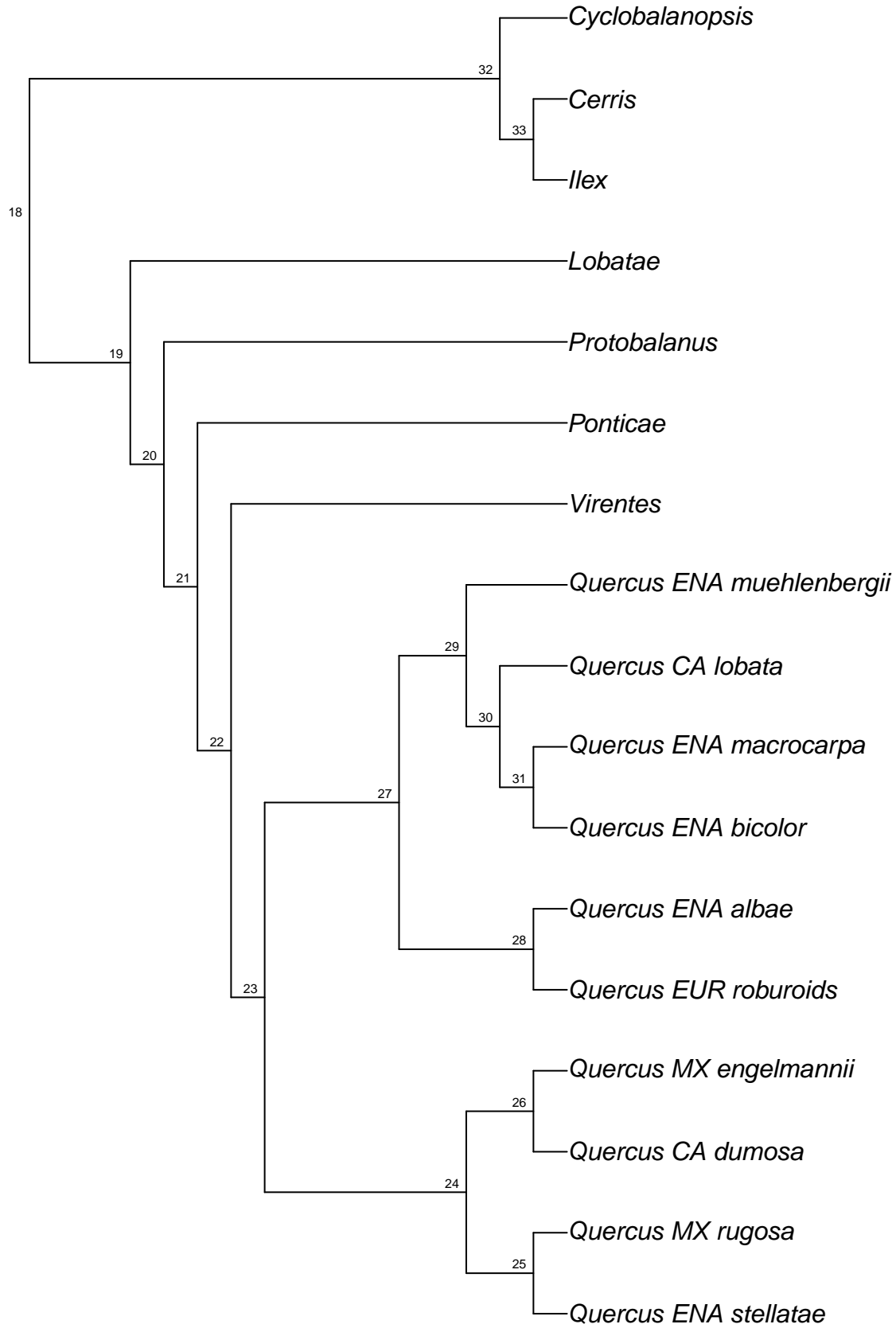
refRAD.ref\_alba\_raxml.bt019



refRAD.ref\_alba\_raxml.bt020

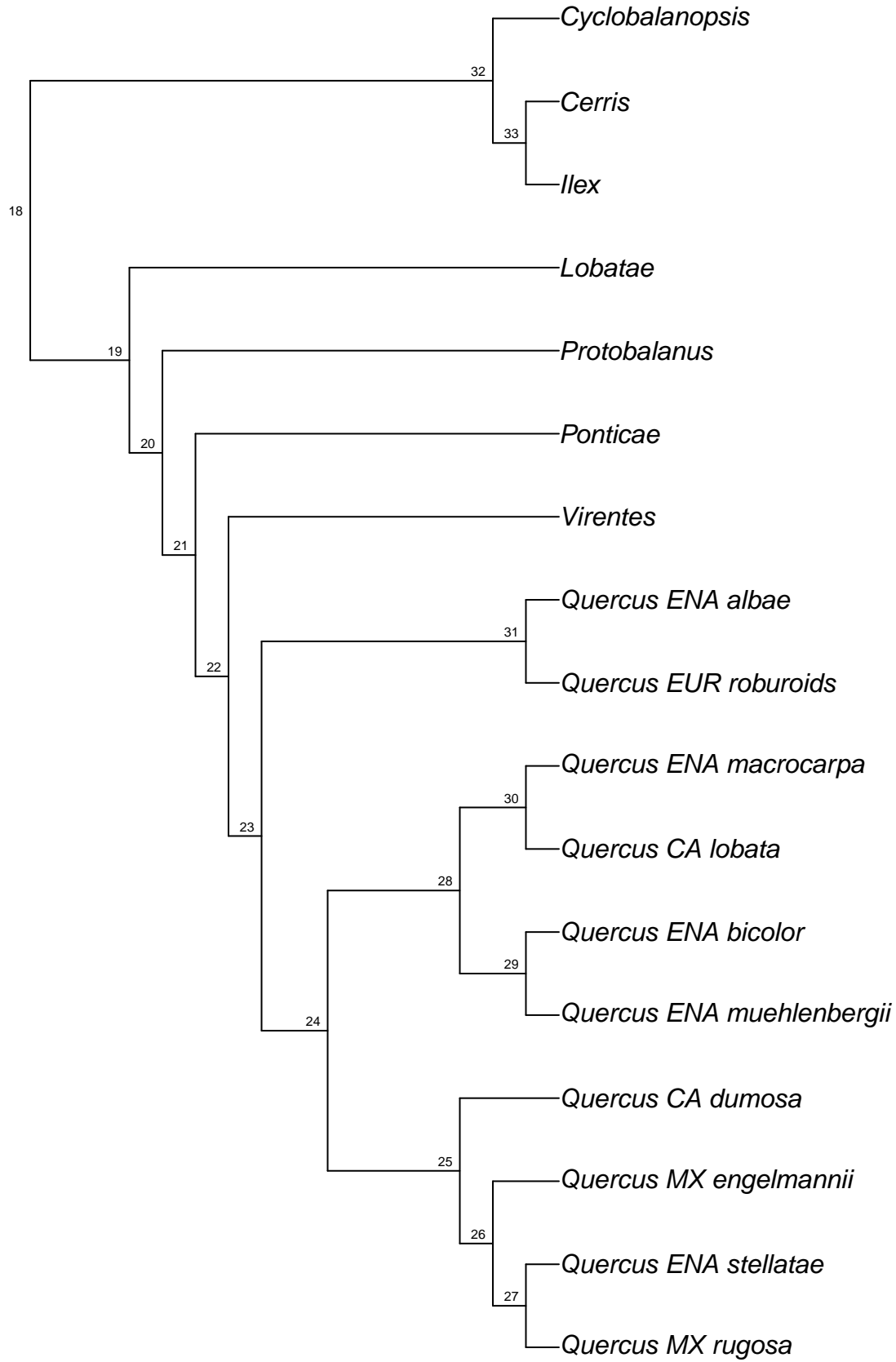


refRAD.ref\_alba\_raxml.bt021

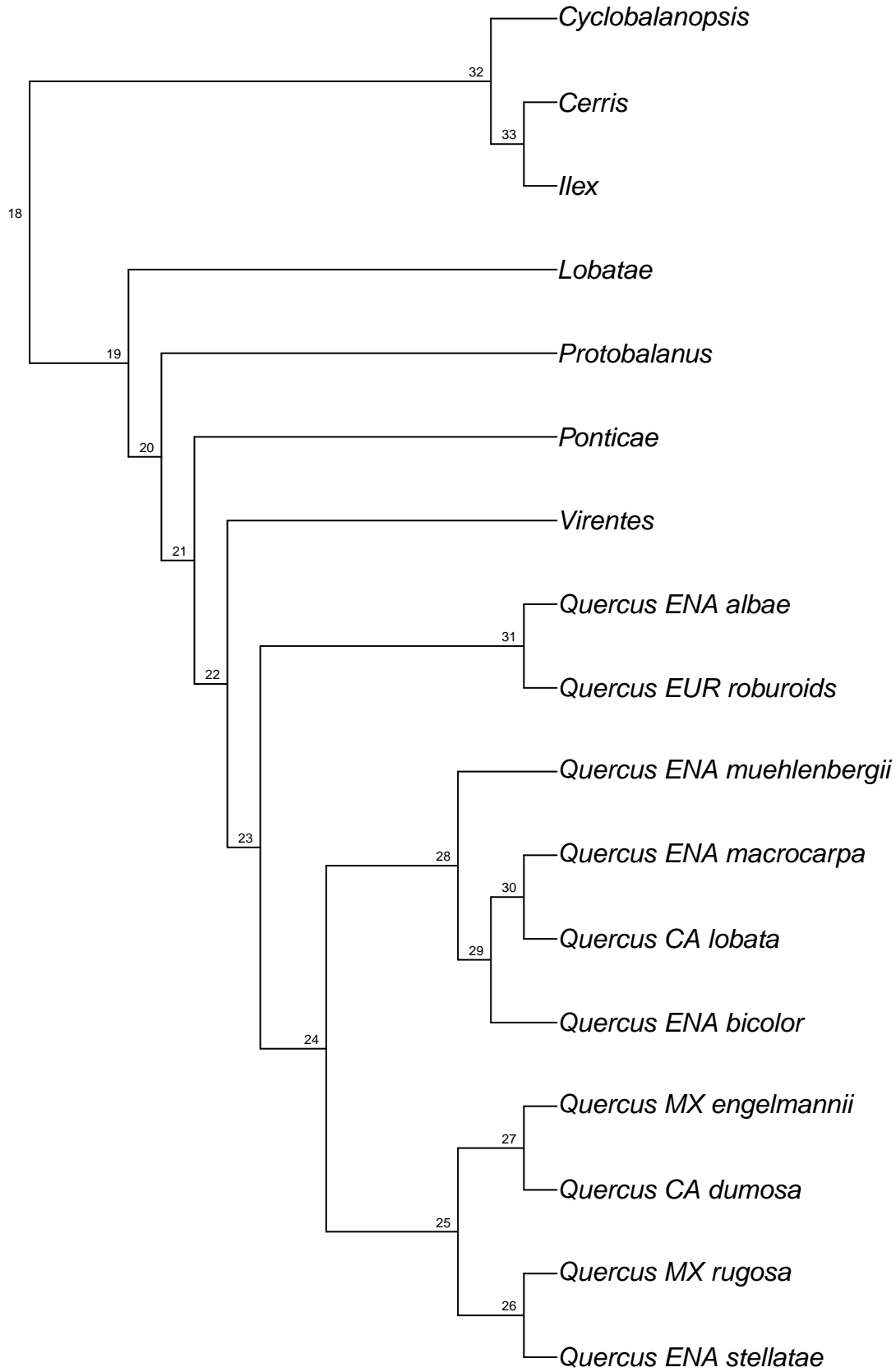




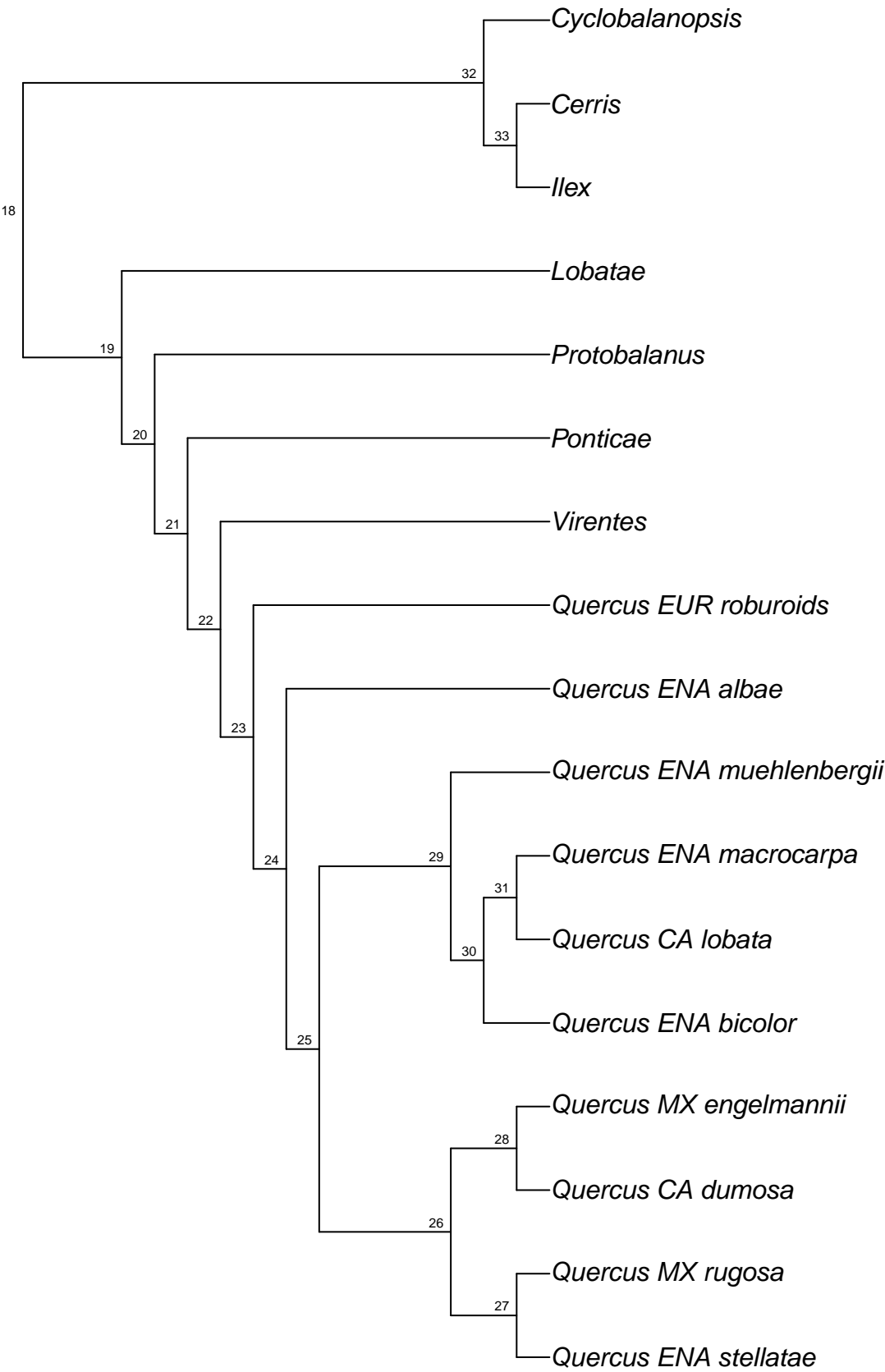
refRAD.ref\_alba\_raxml.bt022



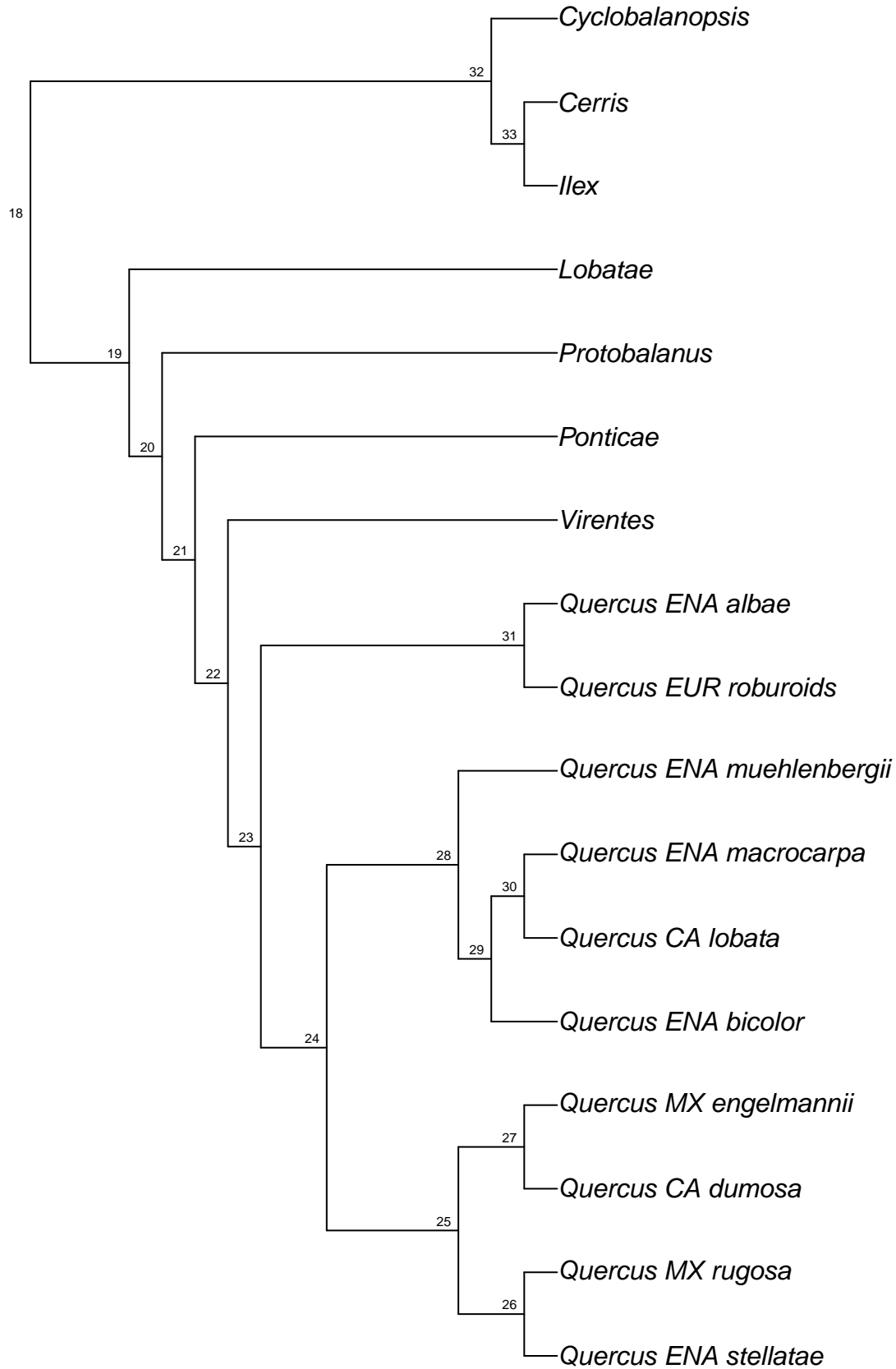
refRAD.ref\_alba\_raxml.bt023



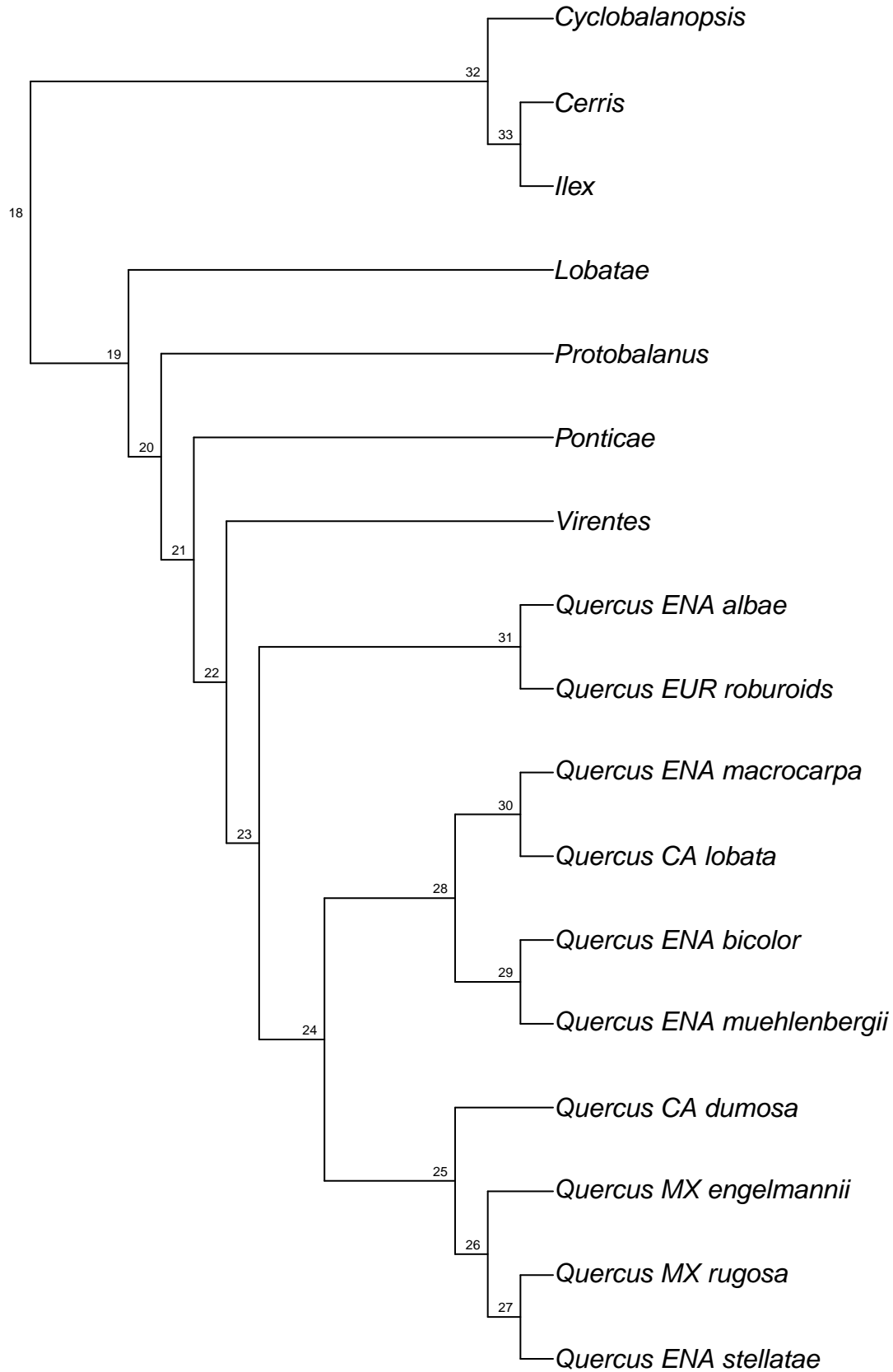
refRAD.ref\_alba\_raxml.bt024



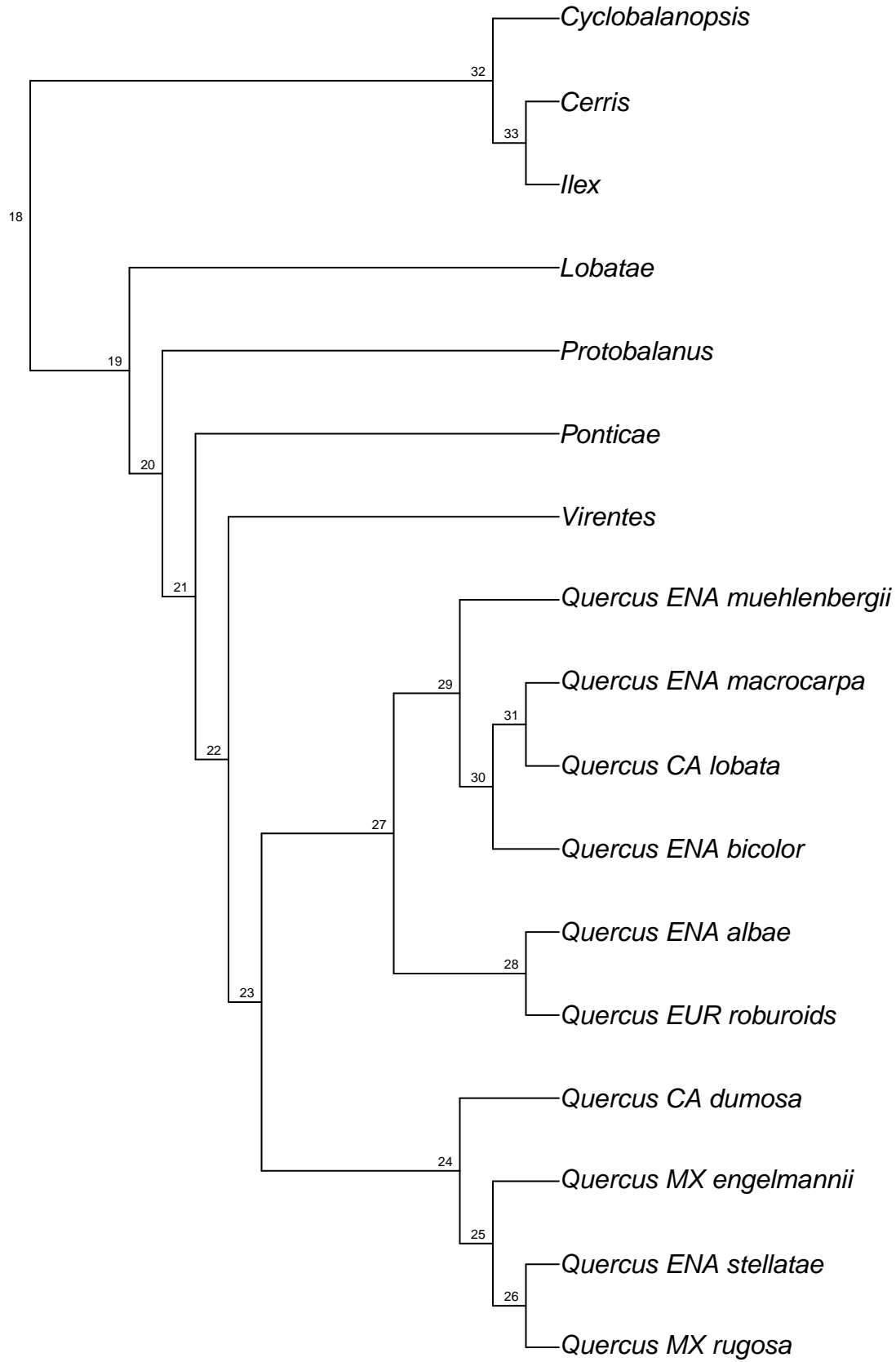
refRAD.ref\_alba\_raxml.bt025



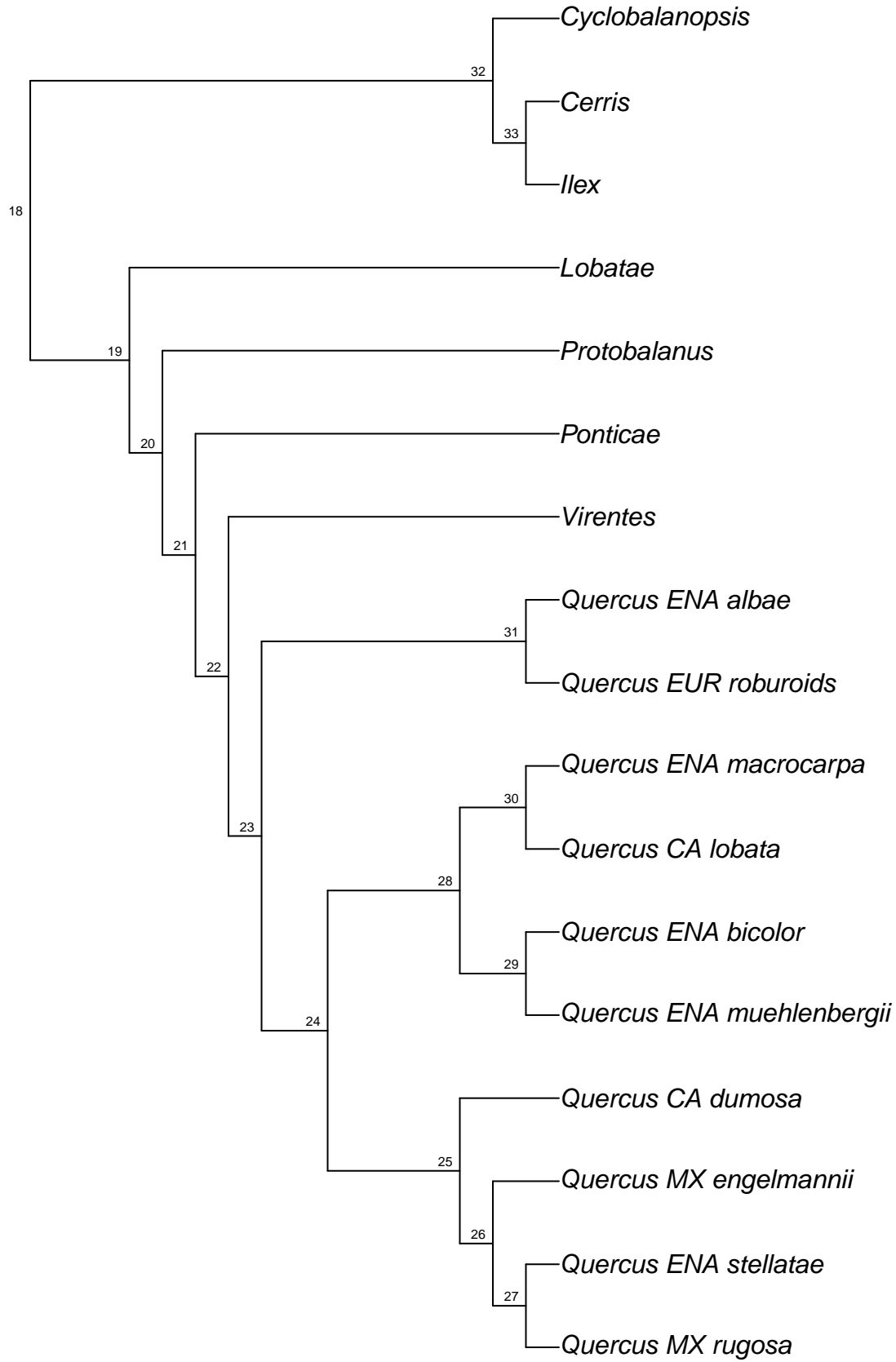
refRAD.ref\_alba\_raxml.bt026



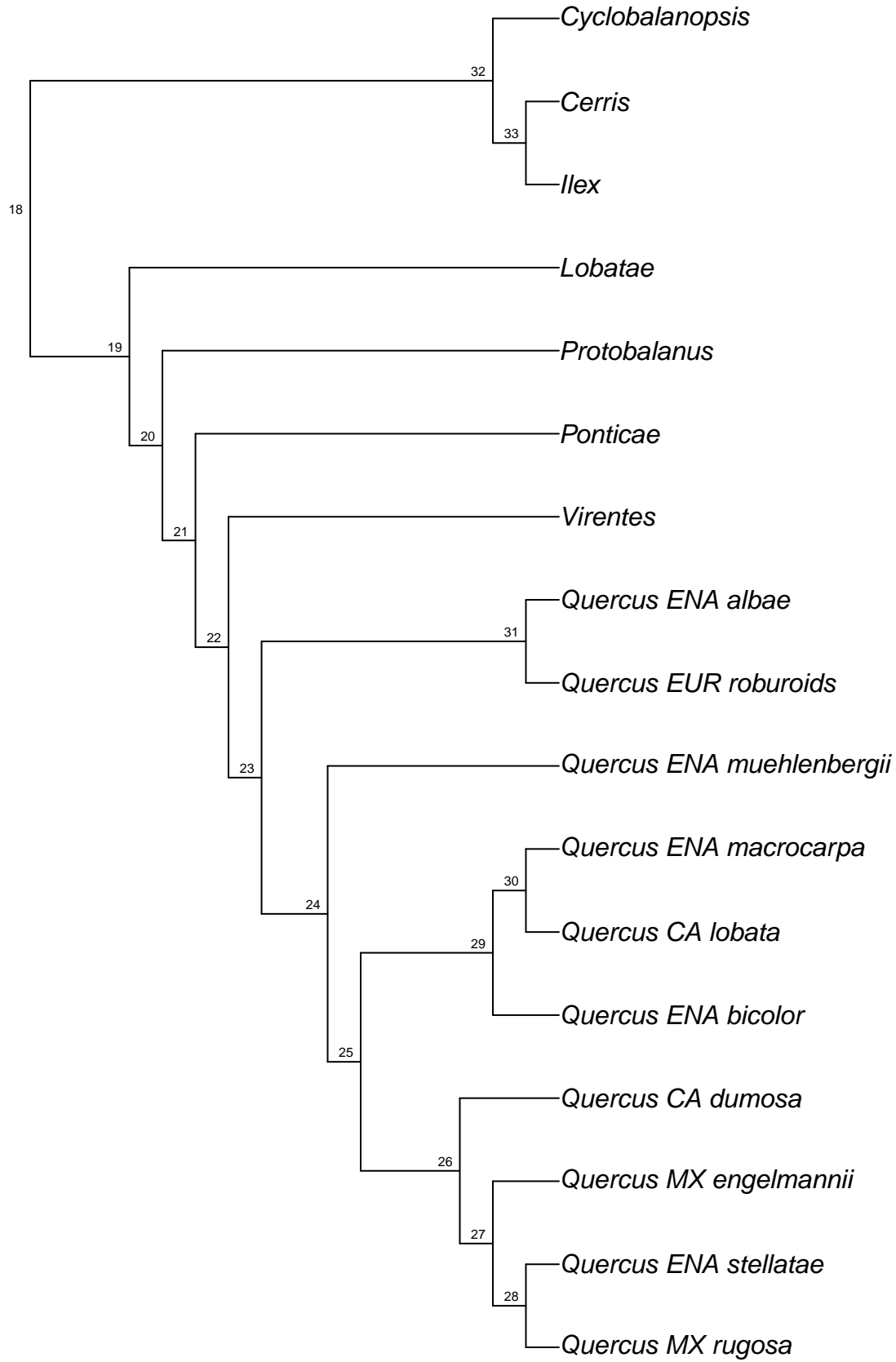
refRAD.ref\_alba\_raxml.bt027



refRAD.ref\_alba\_raxml.bt028

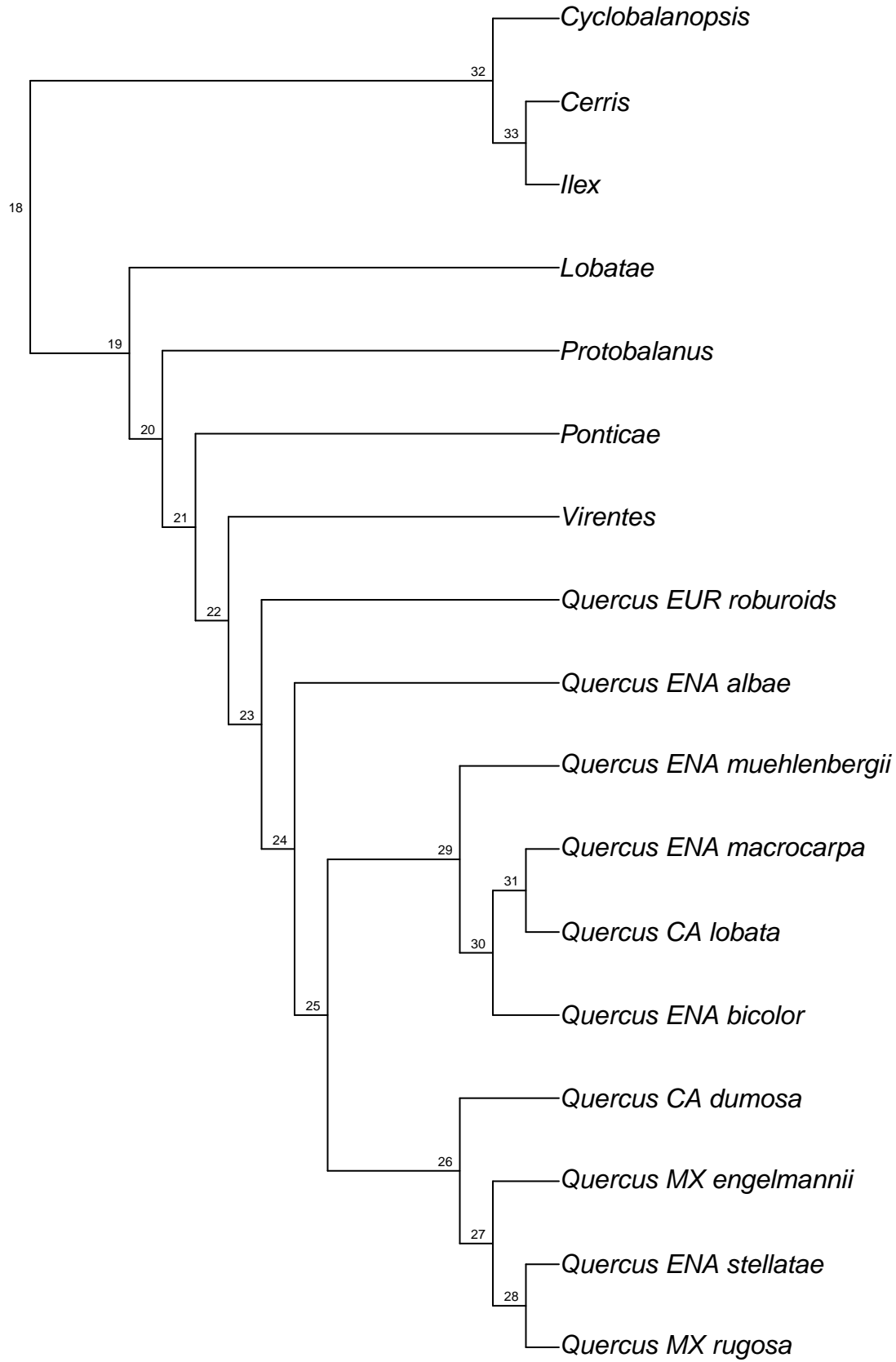


refRAD.ref\_alba\_raxml.bt029

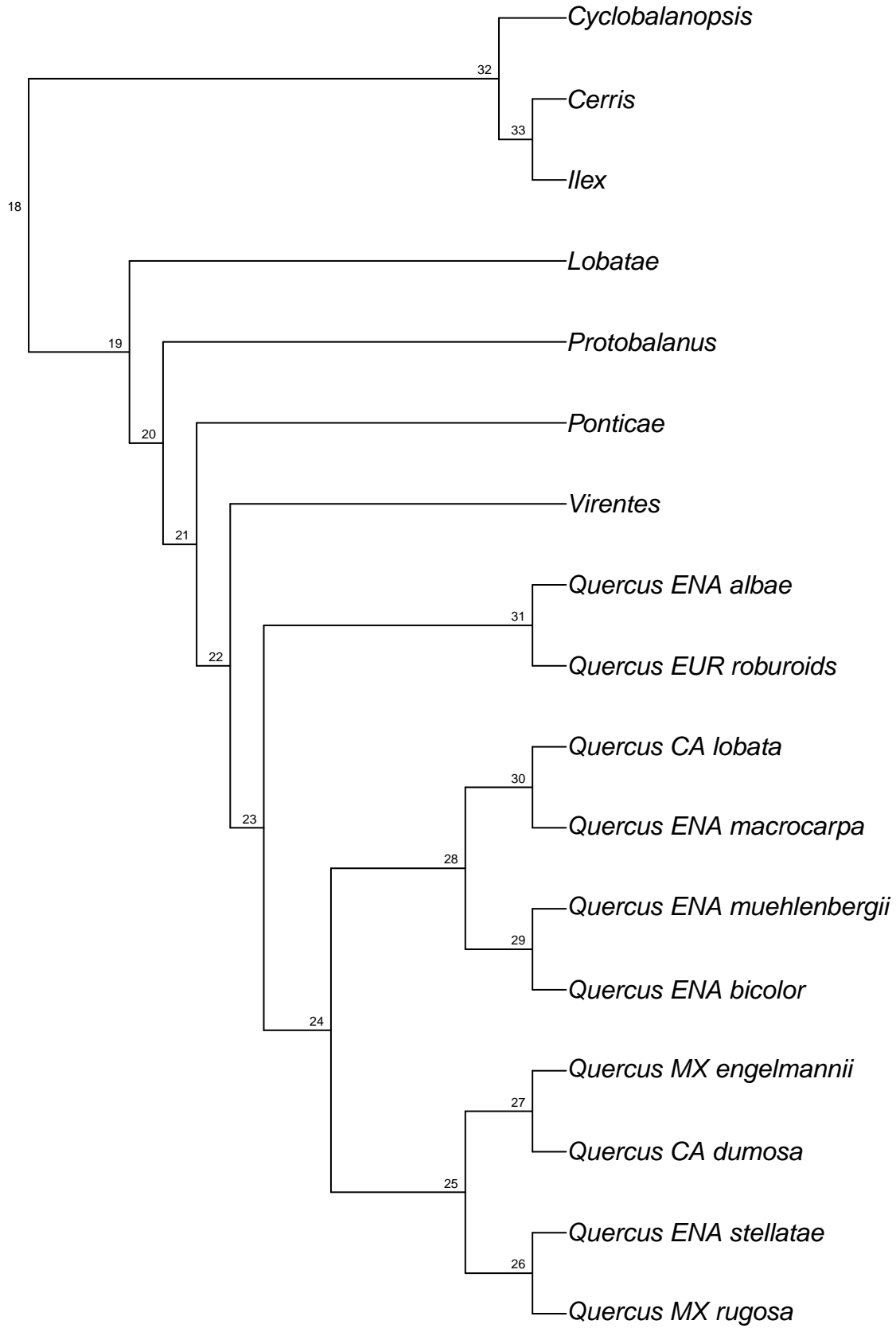




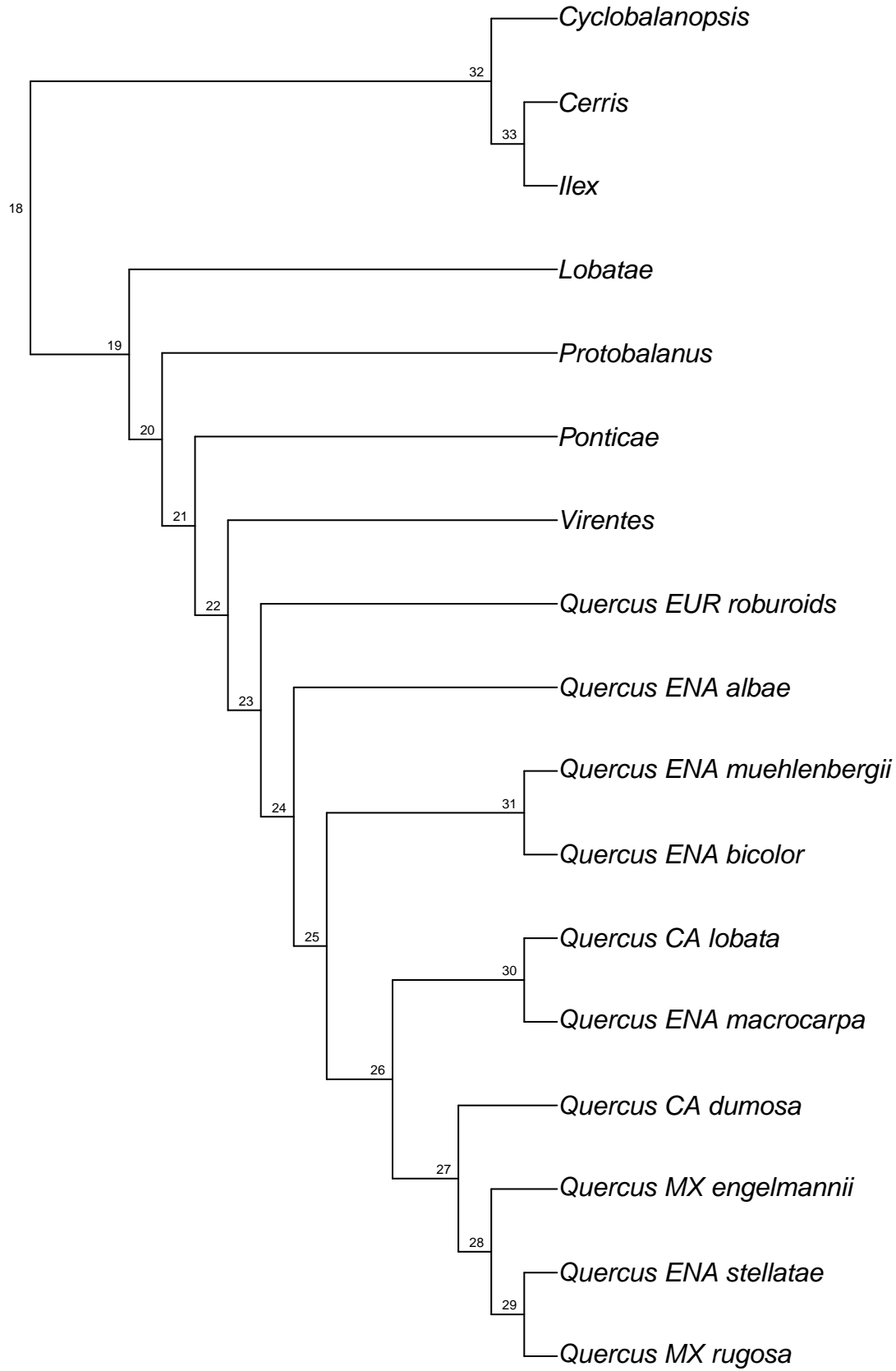
refRAD.ref\_alba\_raxml.bt030



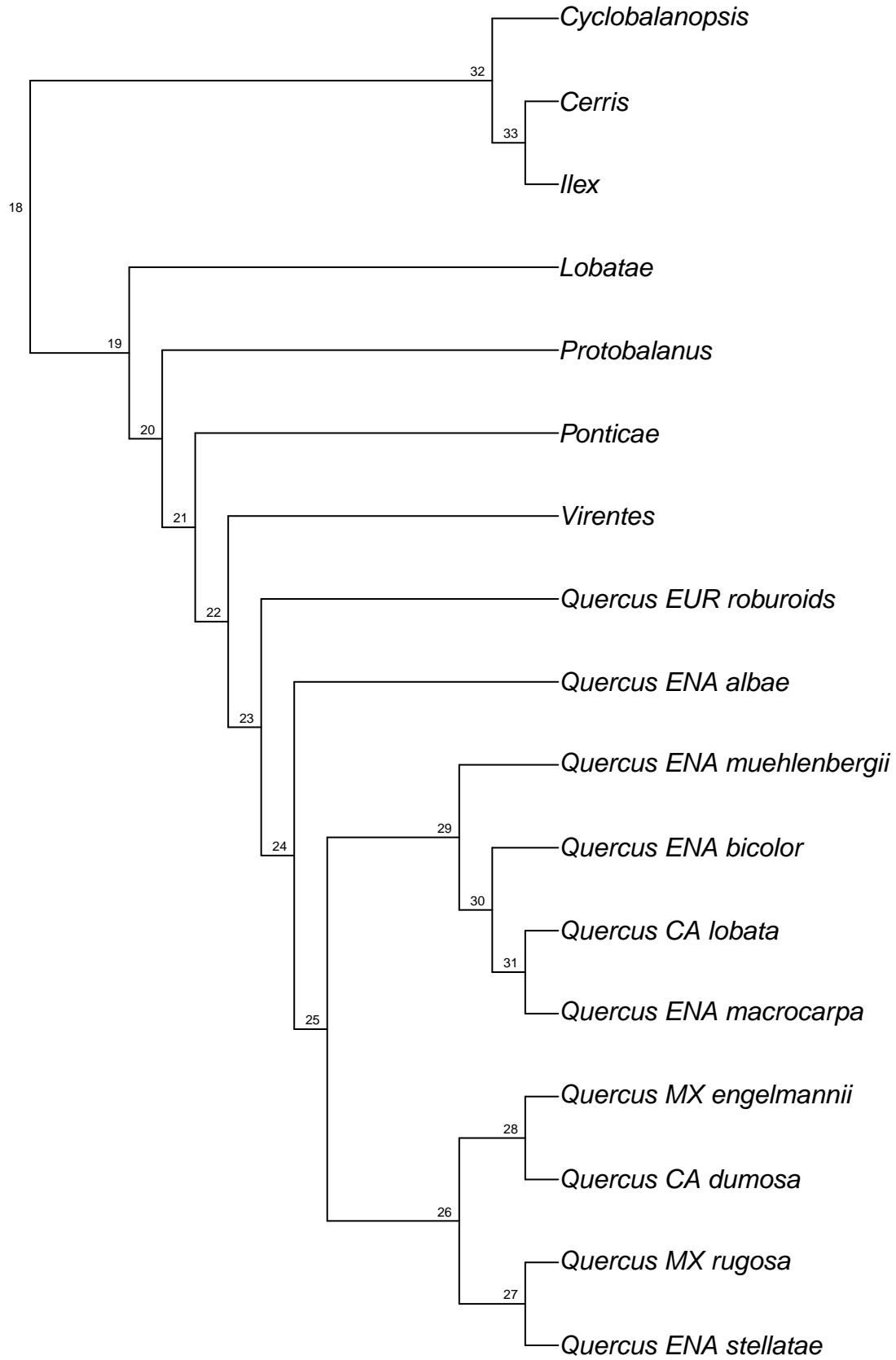
refRAD.ref\_alba\_raxml.bt031



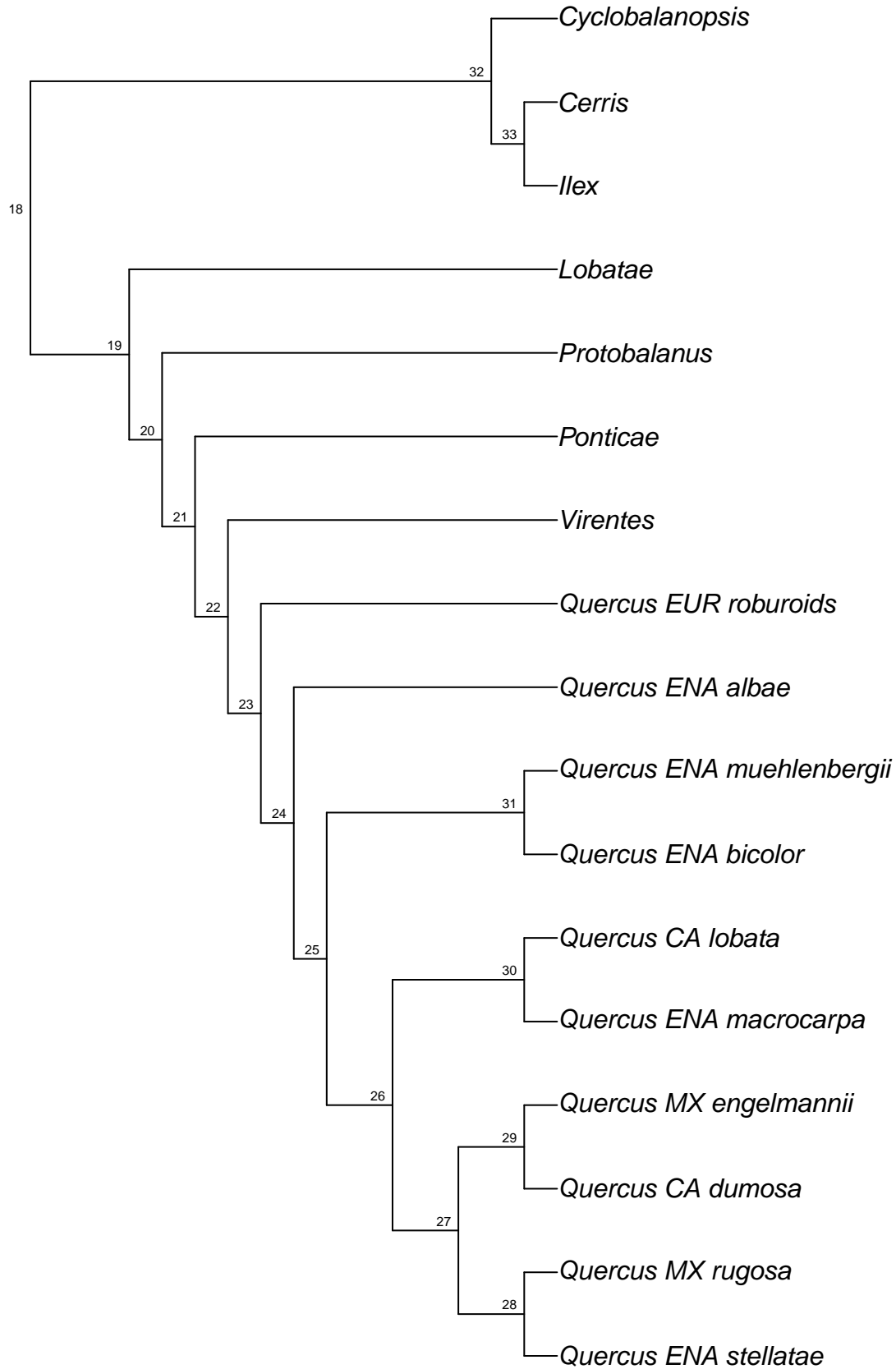
refRAD.ref\_alba\_raxml.bt032



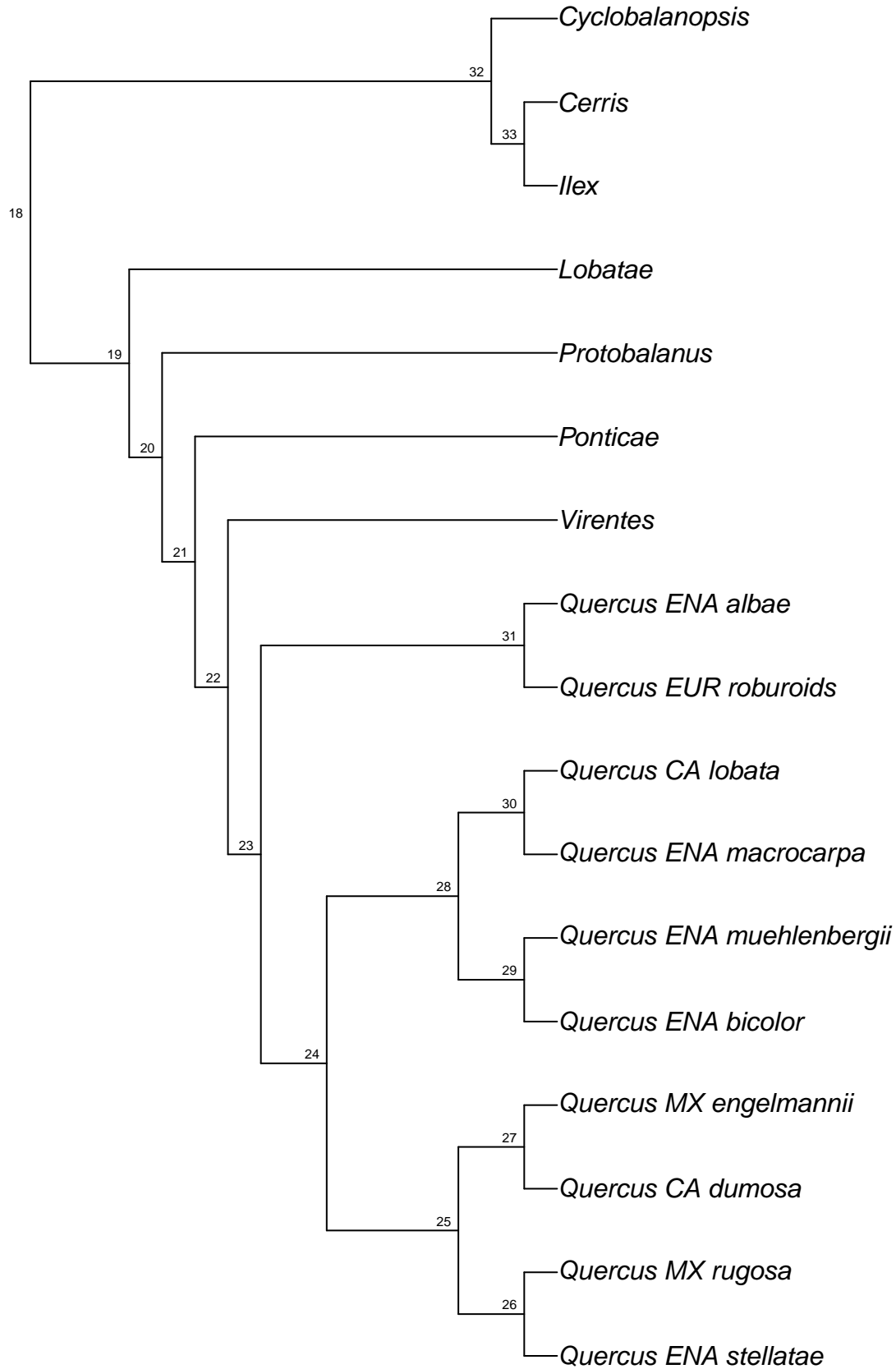
refRAD.ref\_alba\_raxml.bt033



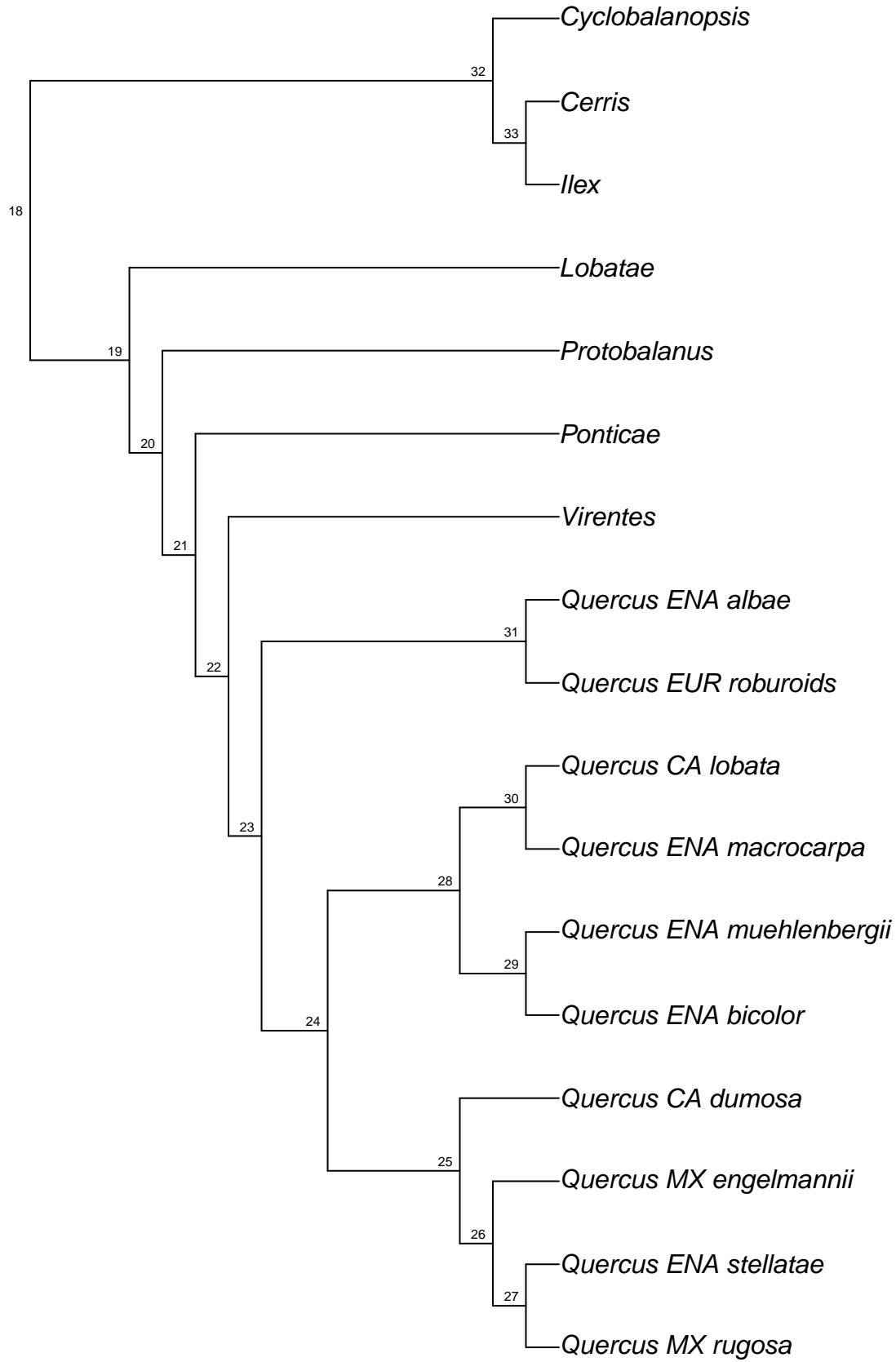
refRAD.ref\_alba\_raxml.bt034



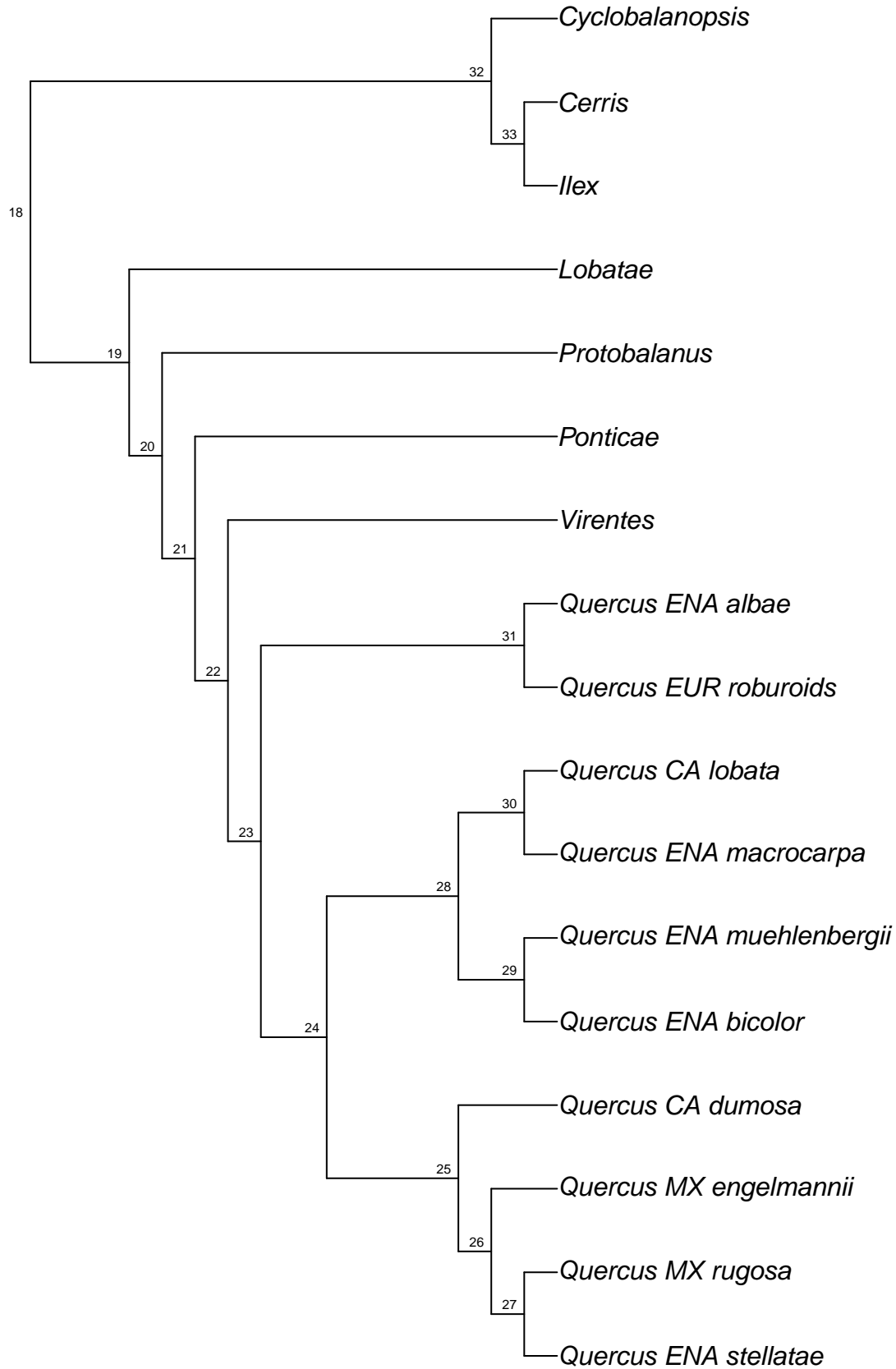
refRAD.ref\_alba\_raxml.bt035



refRAD.ref\_alba\_raxml.bt036

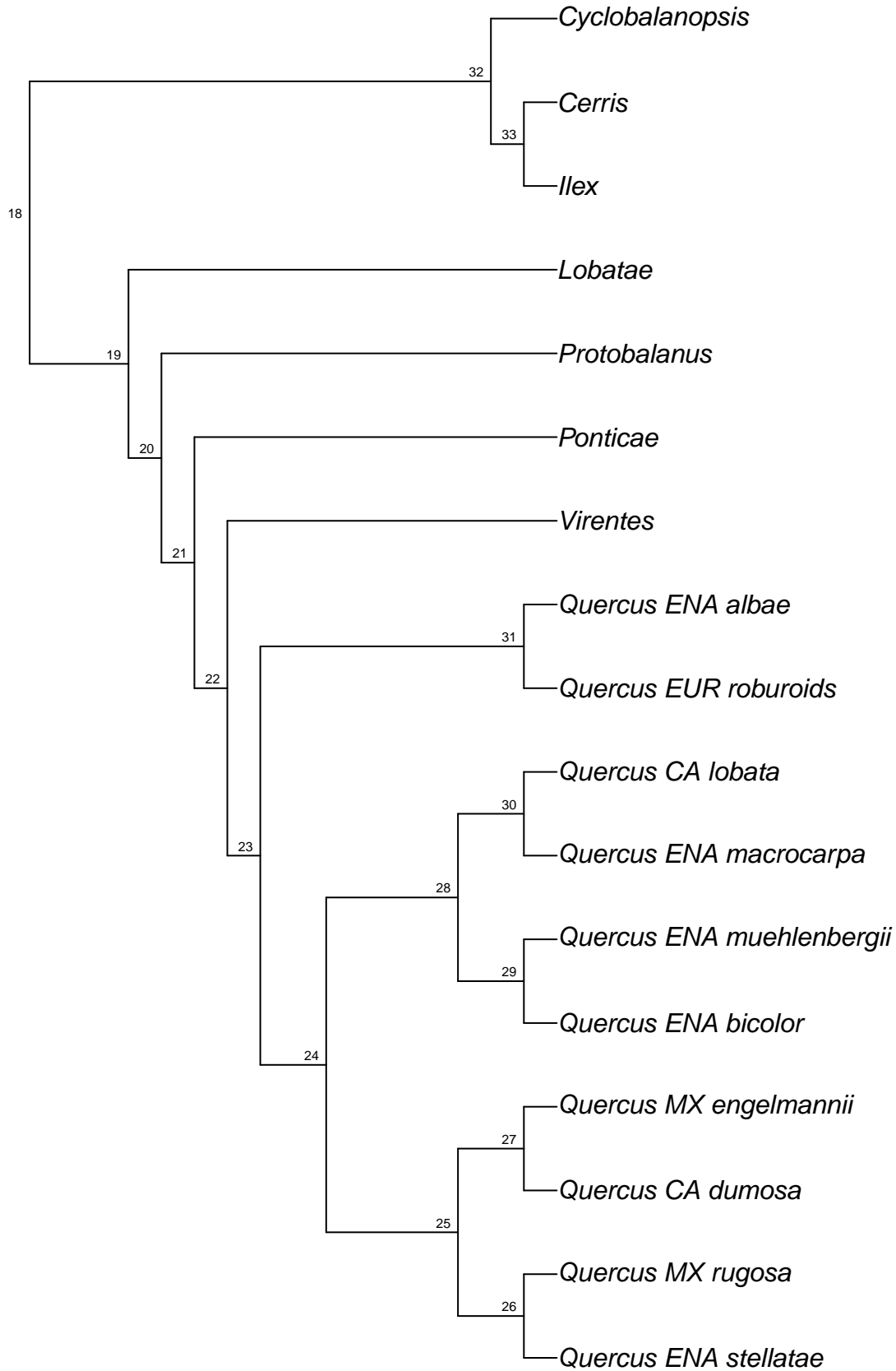


refRAD.ref\_alba\_raxml.bt037

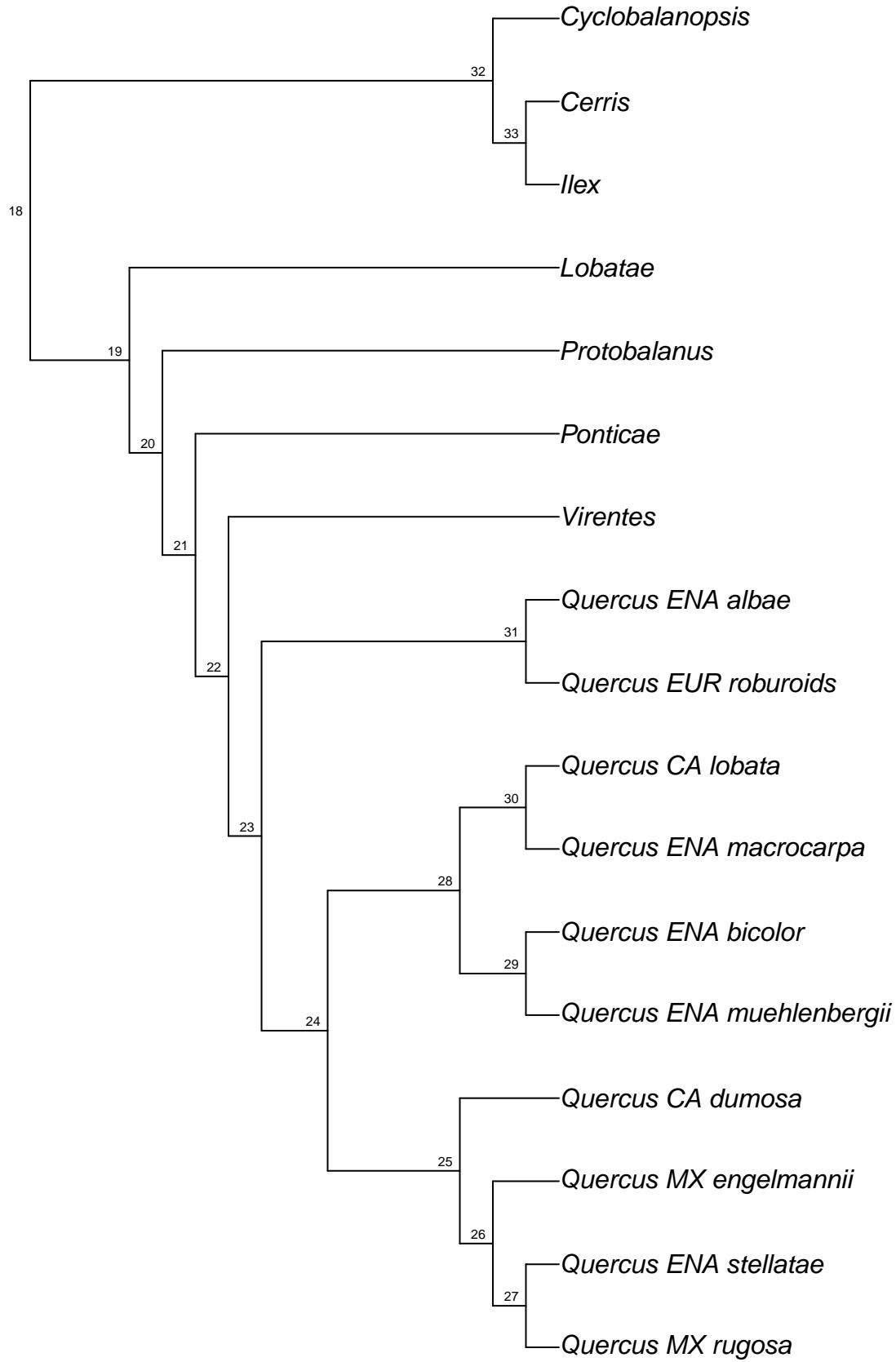




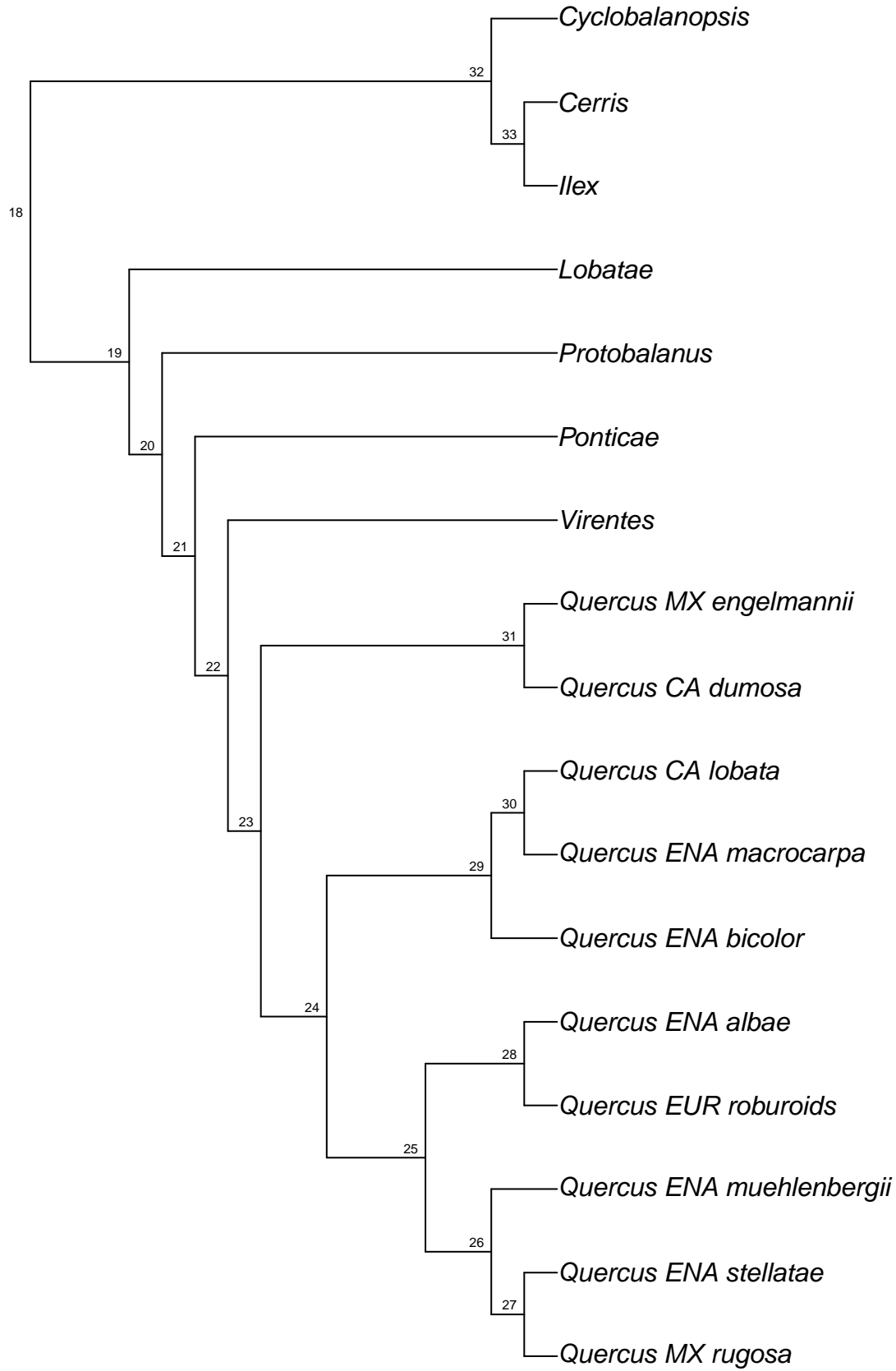
refRAD.ref\_alba\_raxml.bt038



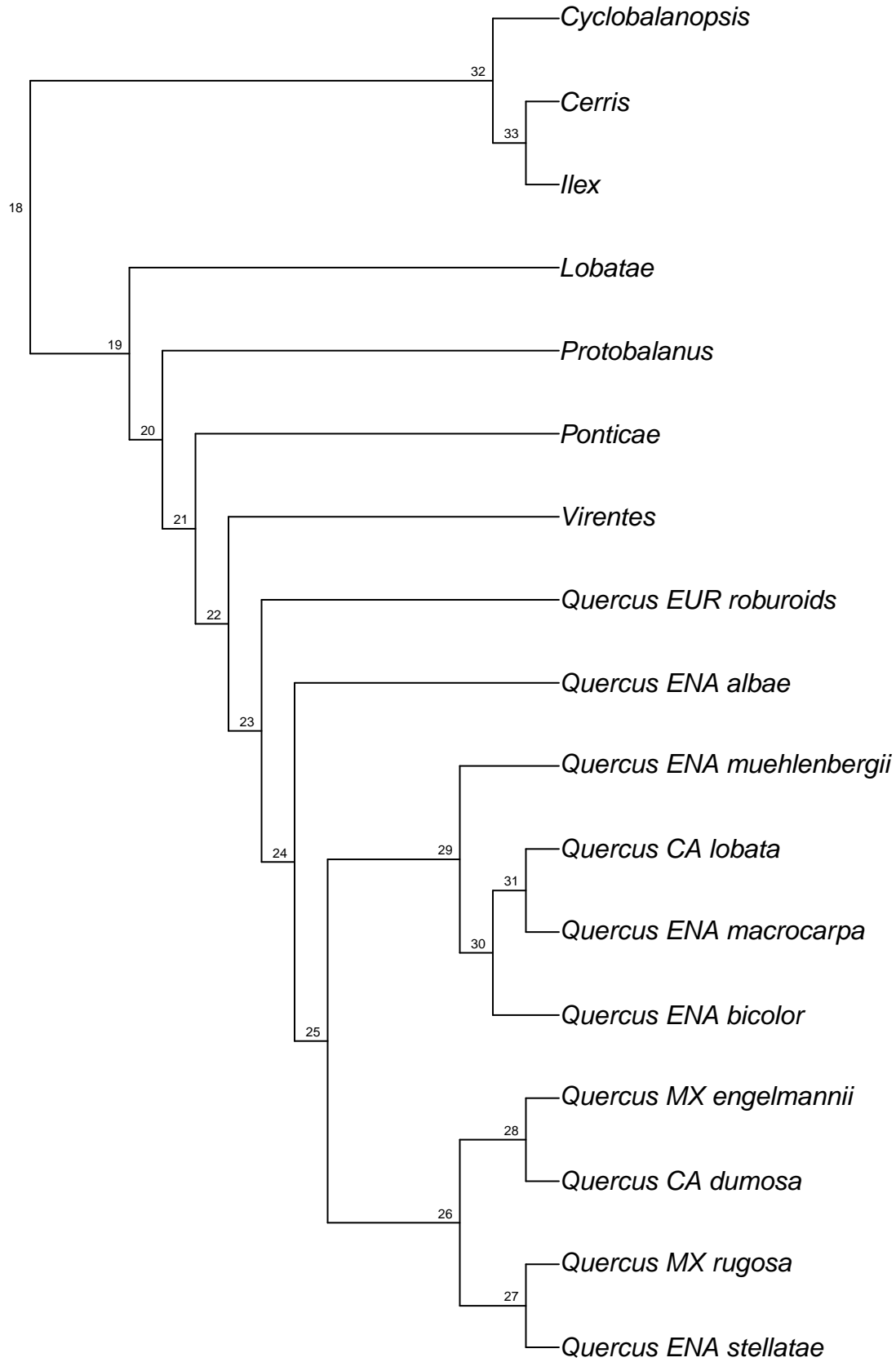
refRAD.ref\_alba\_raxml.bt039



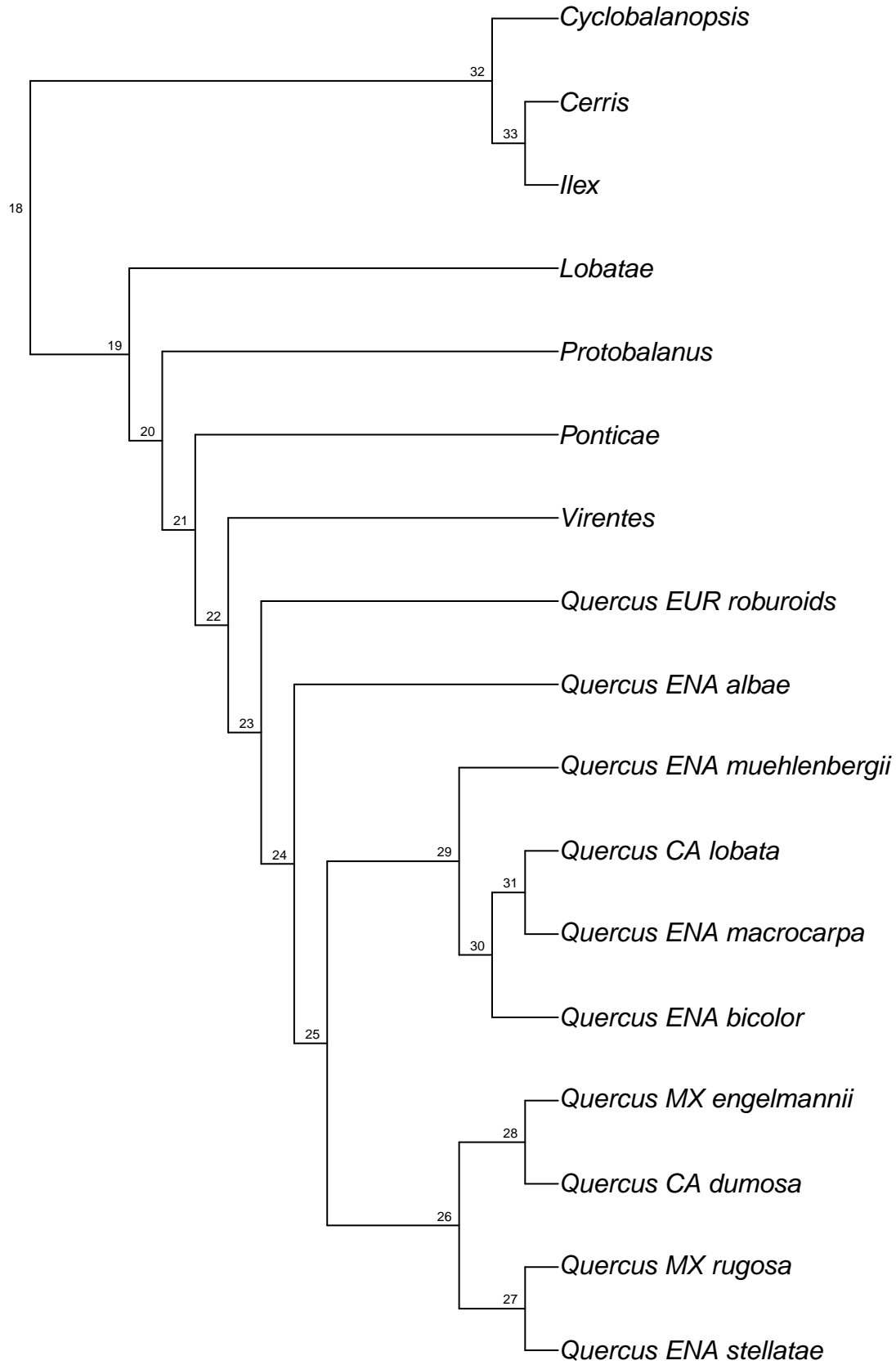
refRAD.ref\_alba\_raxml.bt040



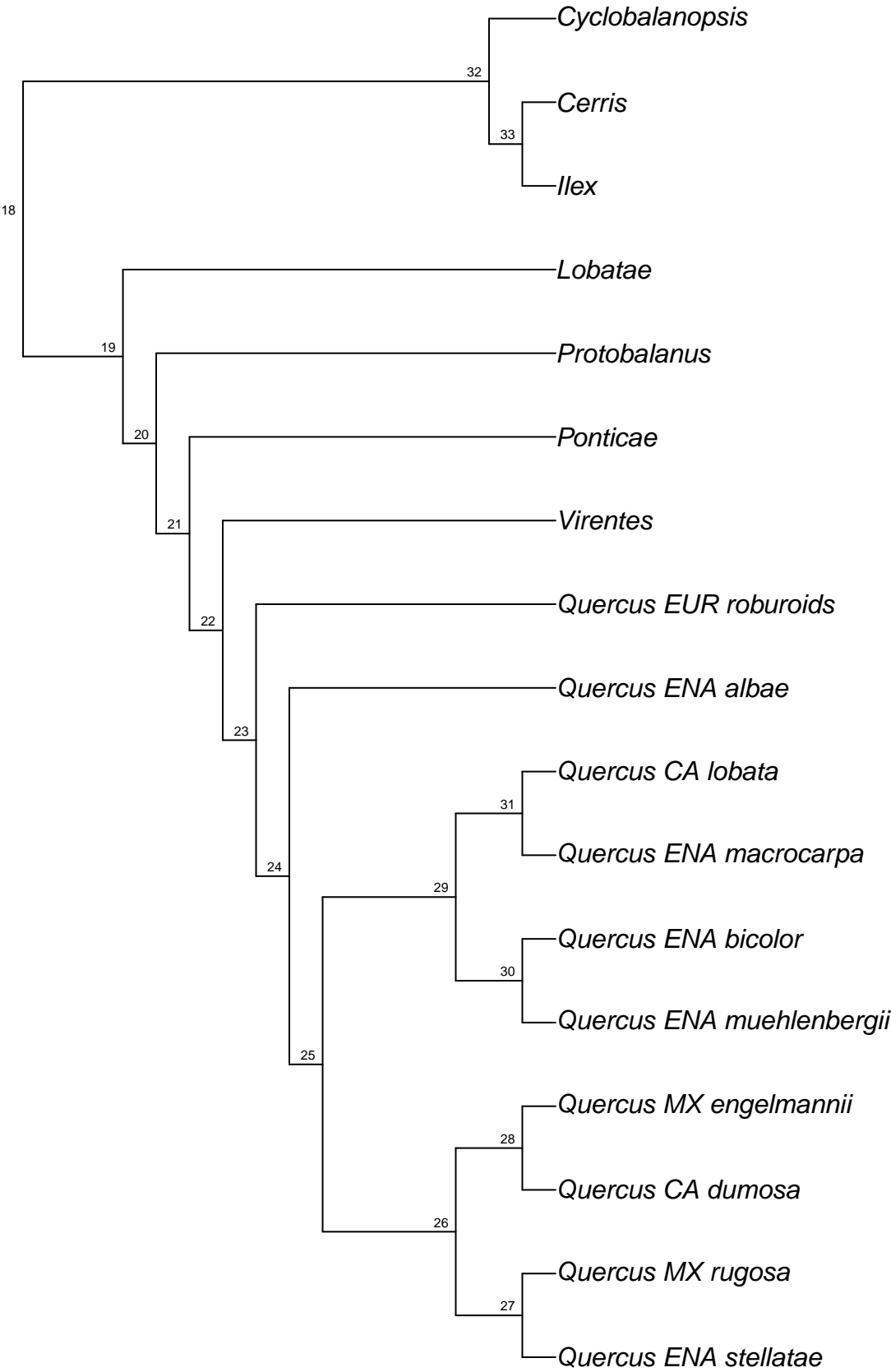
refRAD.ref\_alba\_raxml.bt041



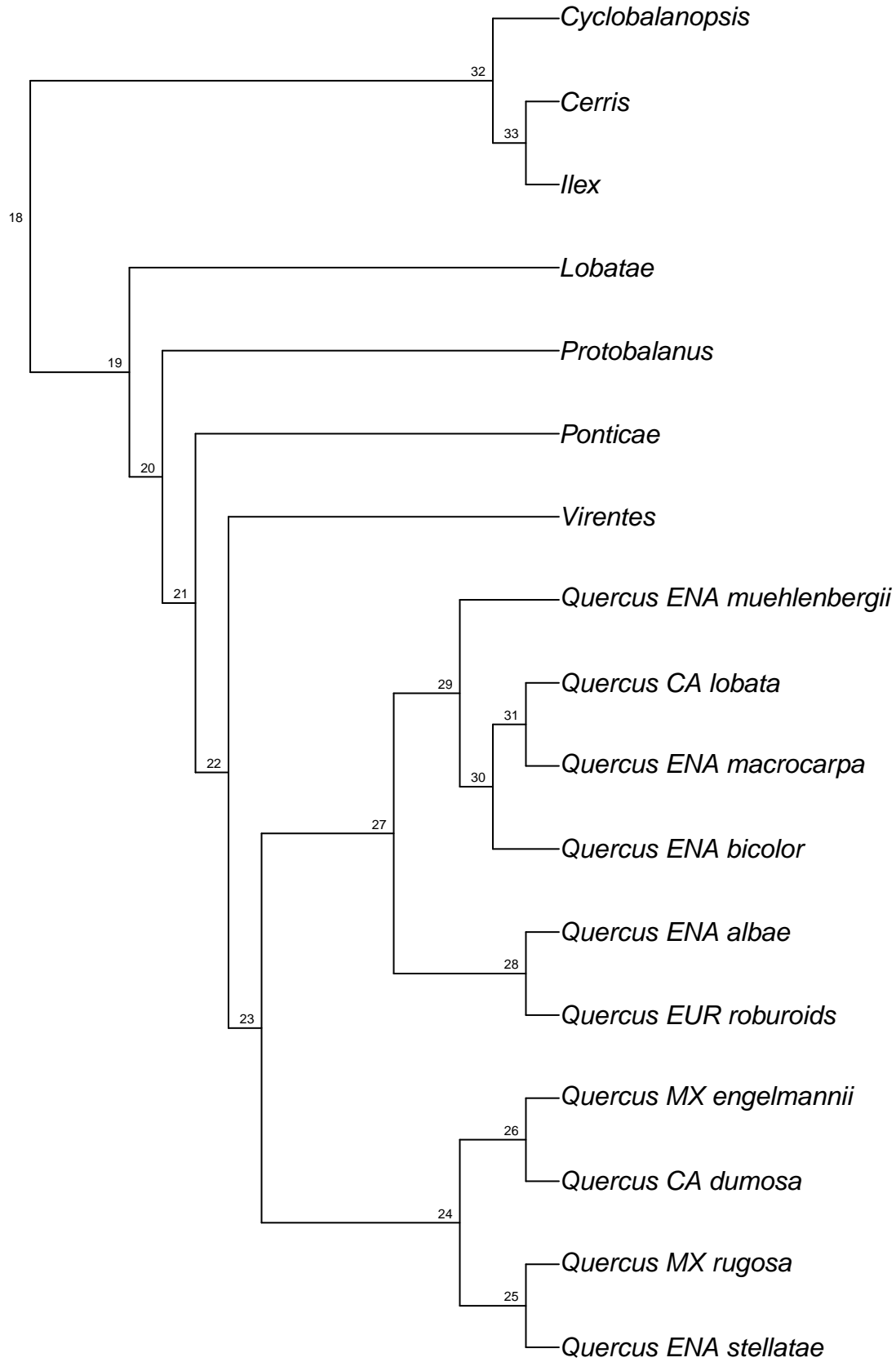
refRAD.ref\_alba\_raxml.bt042



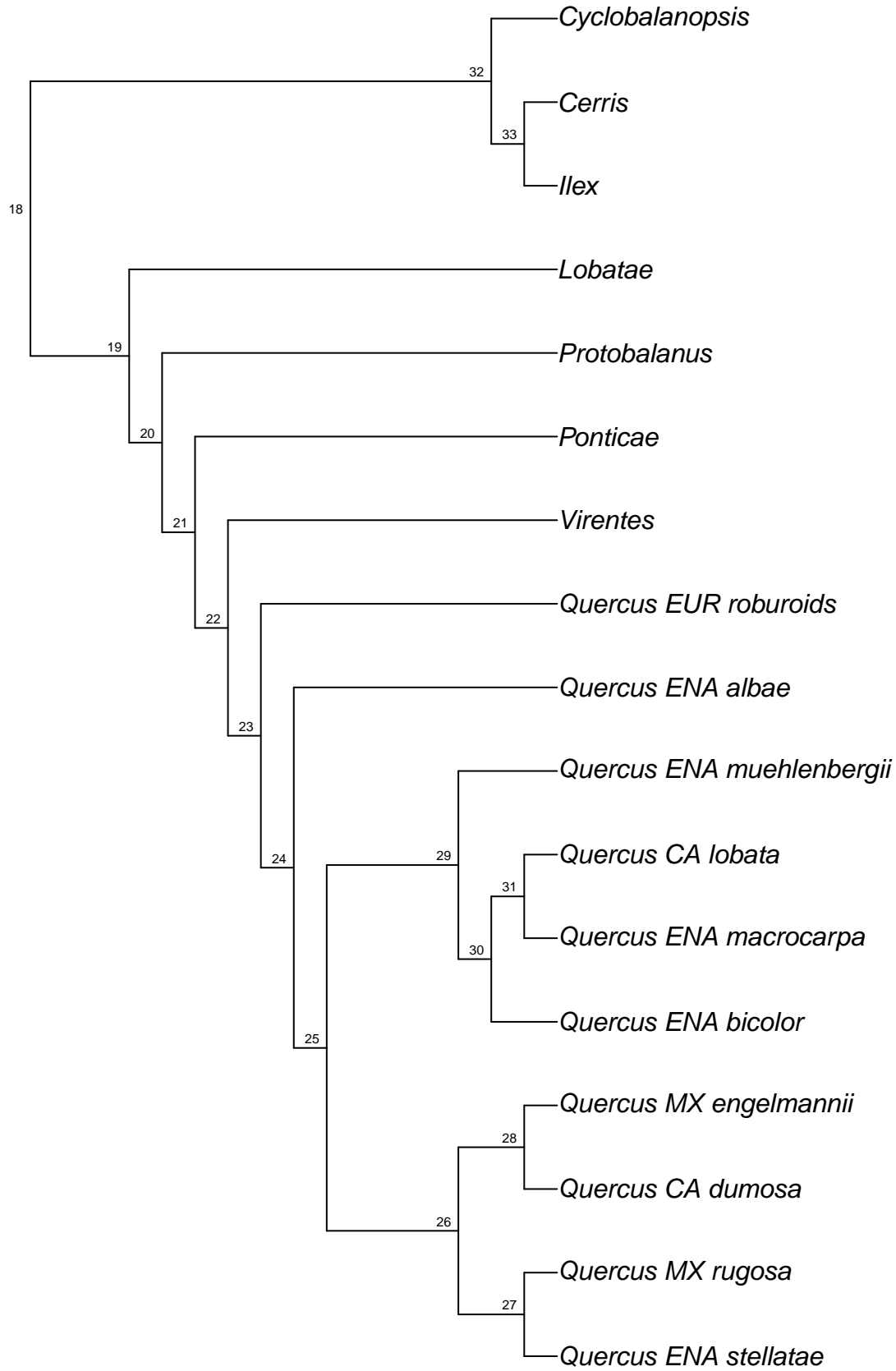
refRAD.ref\_alba\_raxml.bt043



refRAD.ref\_alba\_raxml.bt044

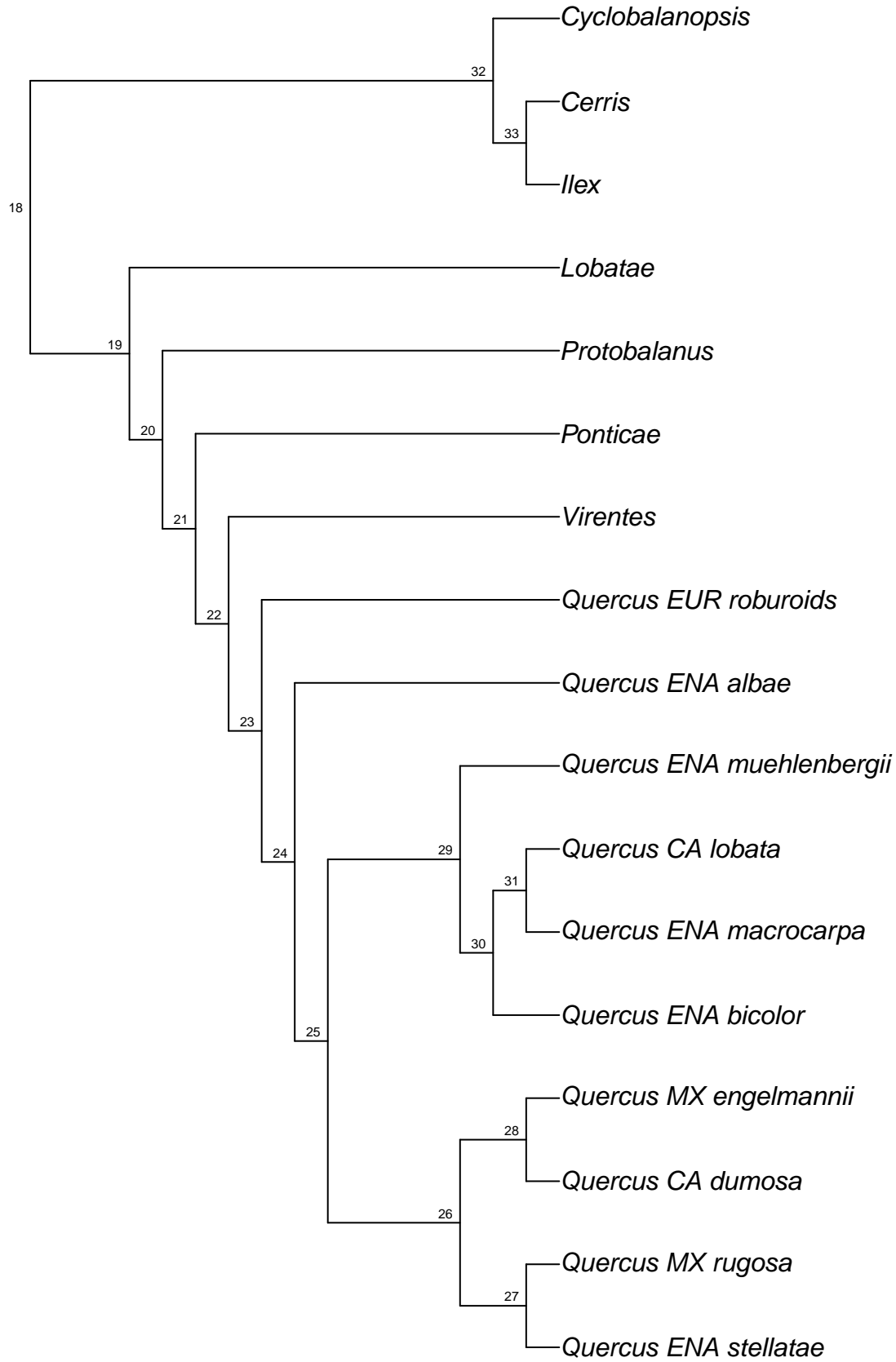


refRAD.ref\_alba\_raxml.bt045

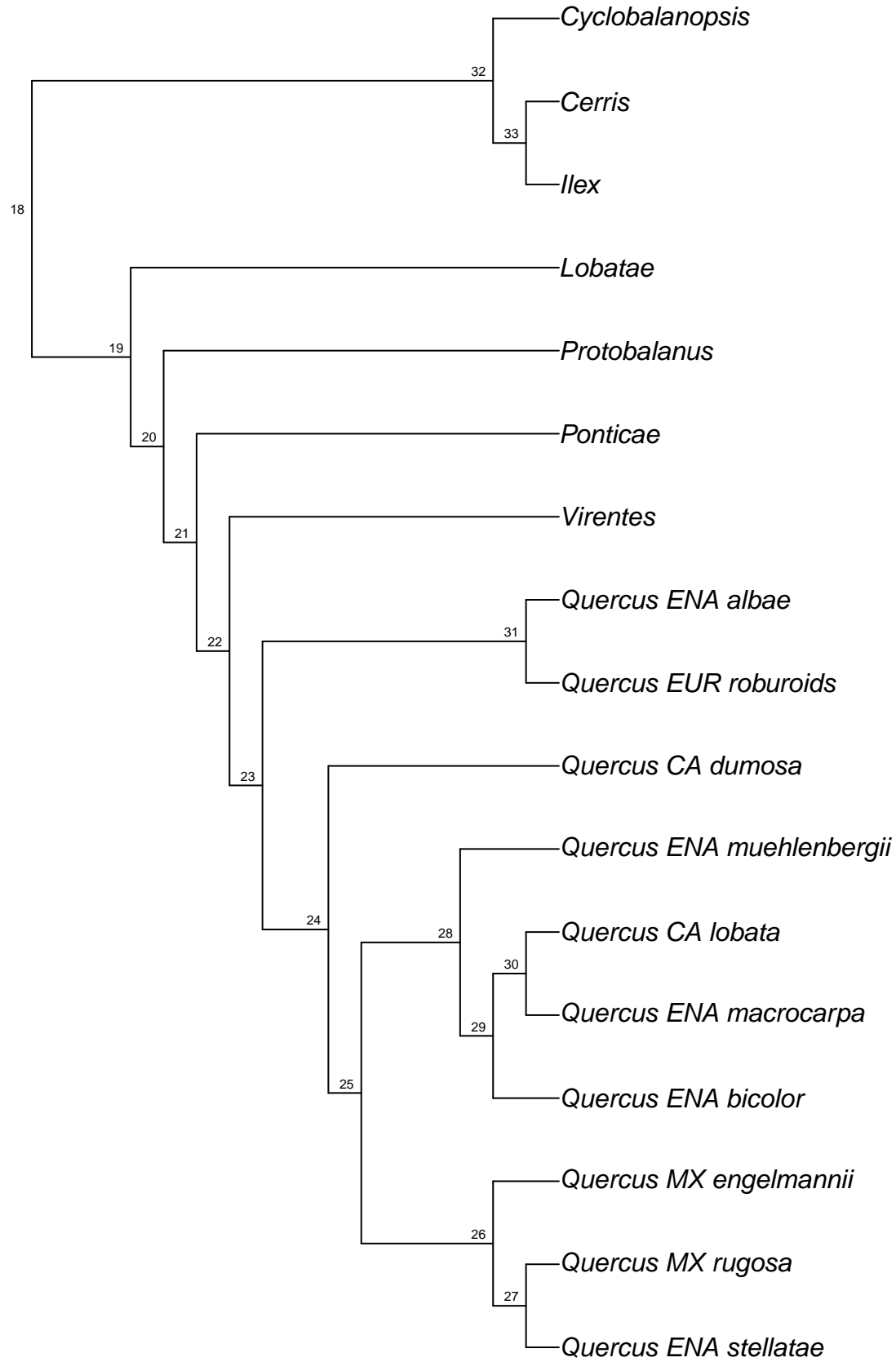




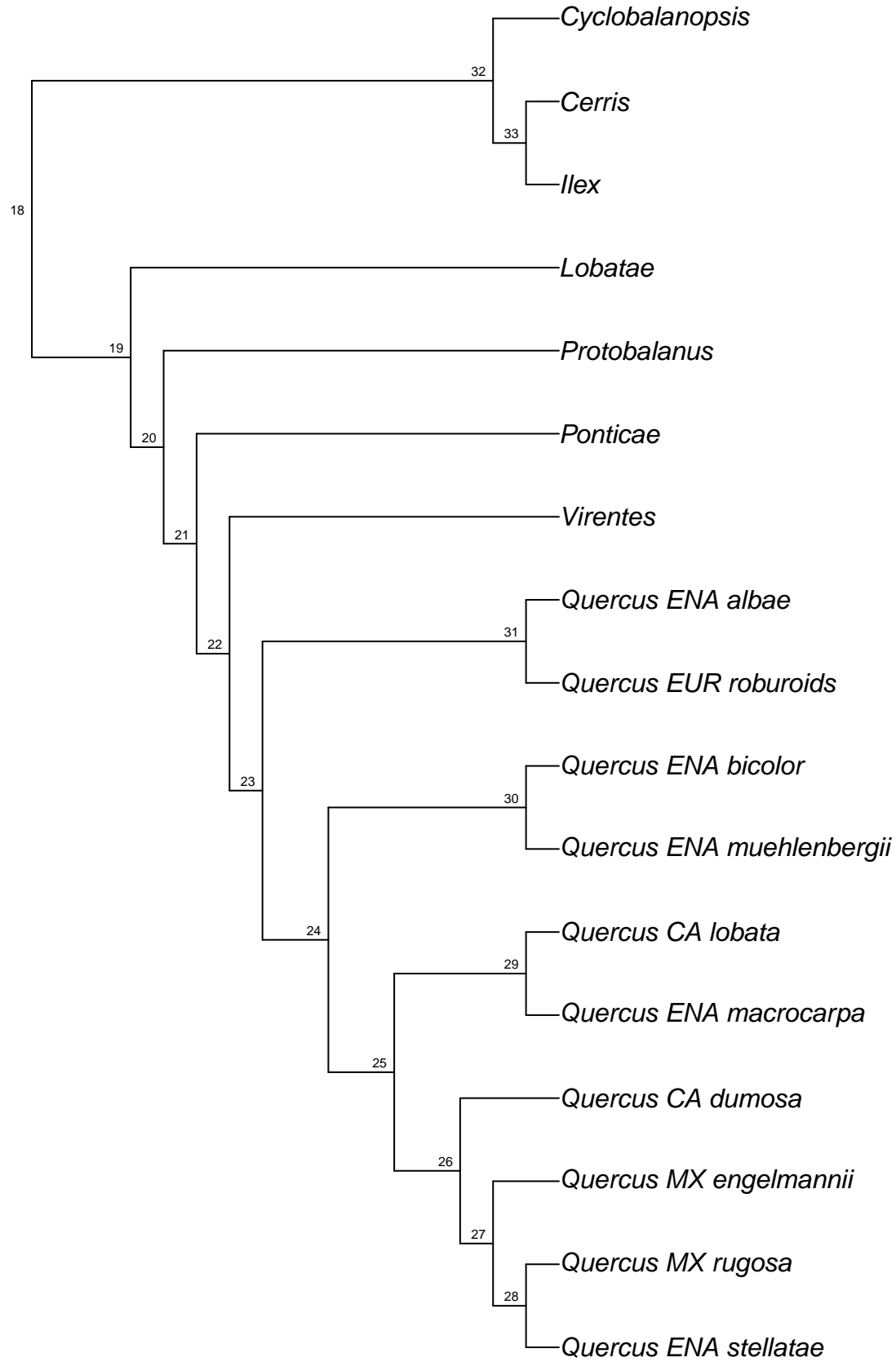
refRAD.ref\_alba\_raxml.bt046



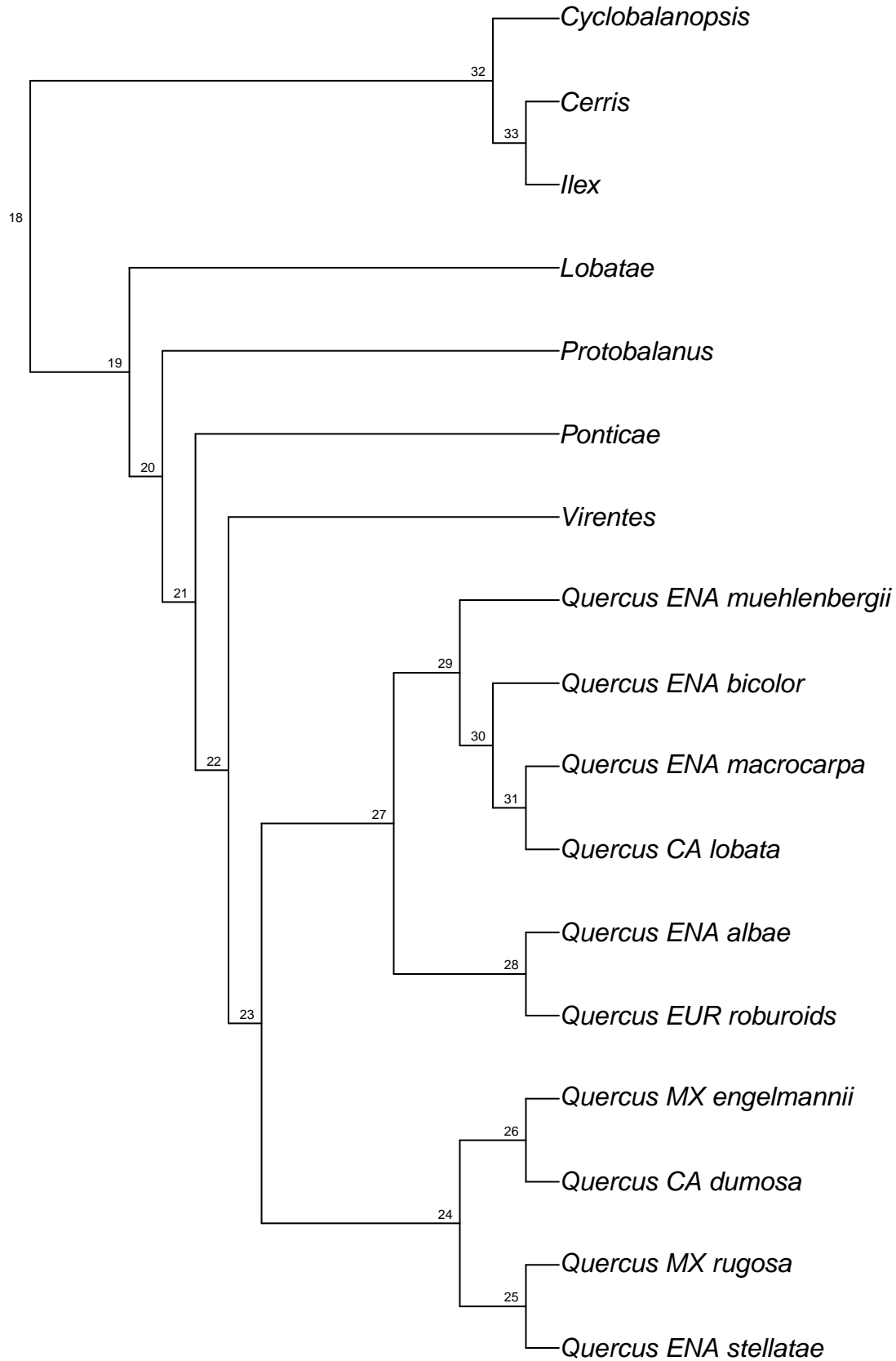
refRAD.ref\_alba\_raxml.bt047



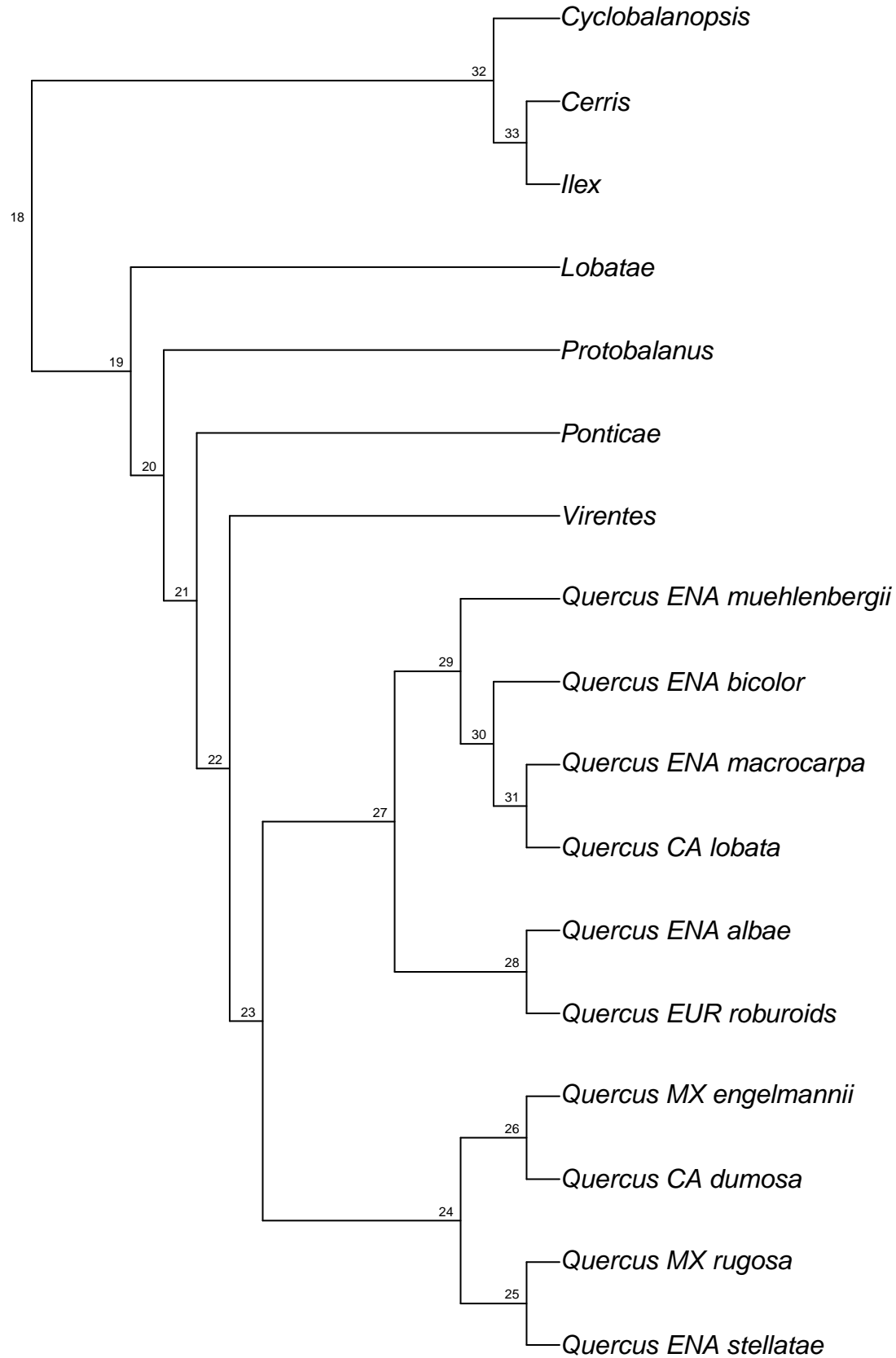
refRAD.ref\_alba\_raxml.bt048



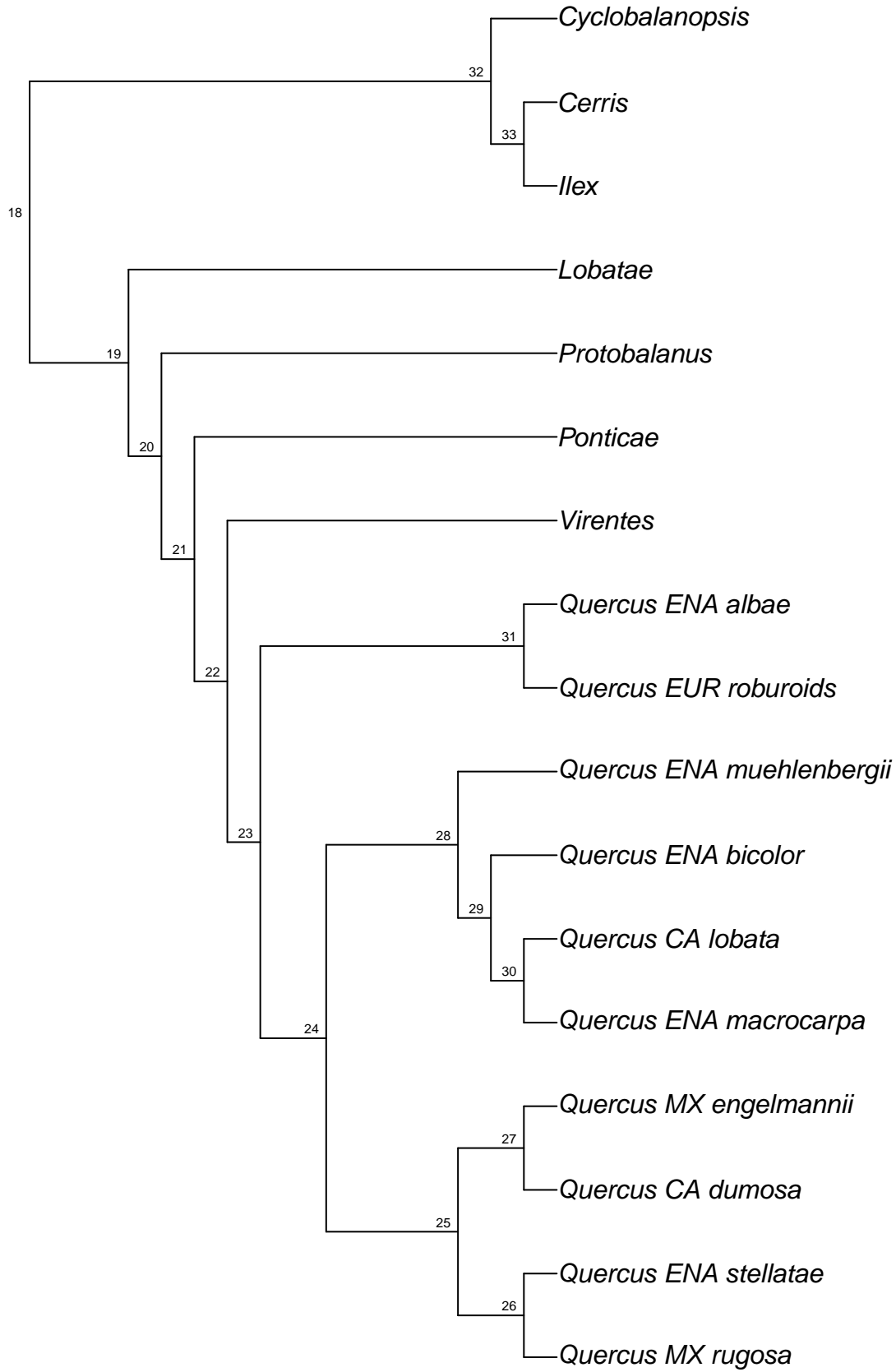
refRAD.ref\_alba\_raxml.bt049



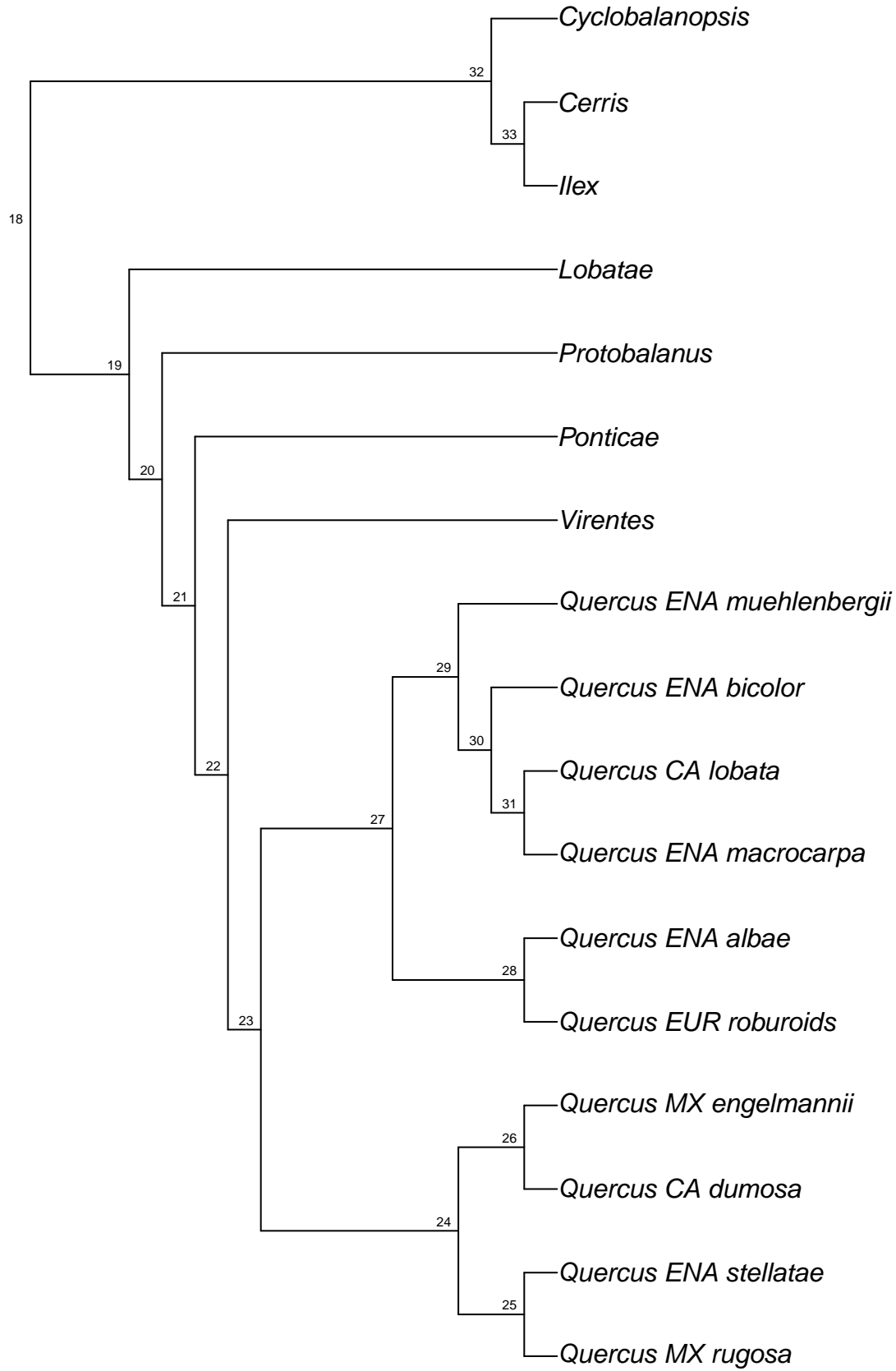
**refRAD.ref\_alba\_raxml.bt050**



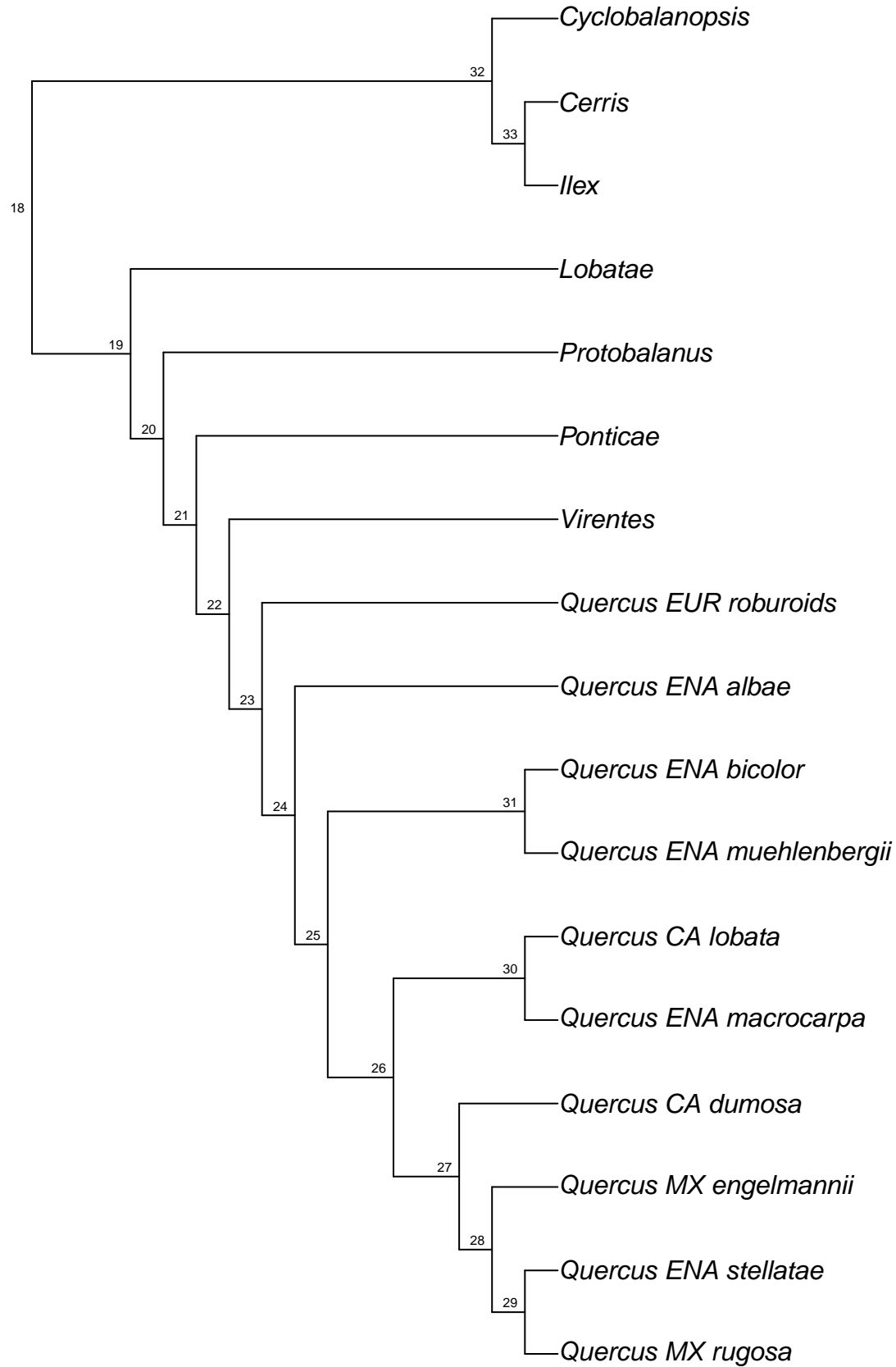
refRAD.ref\_alba\_raxml.bt051



refRAD.ref\_alba\_raxml.bt052

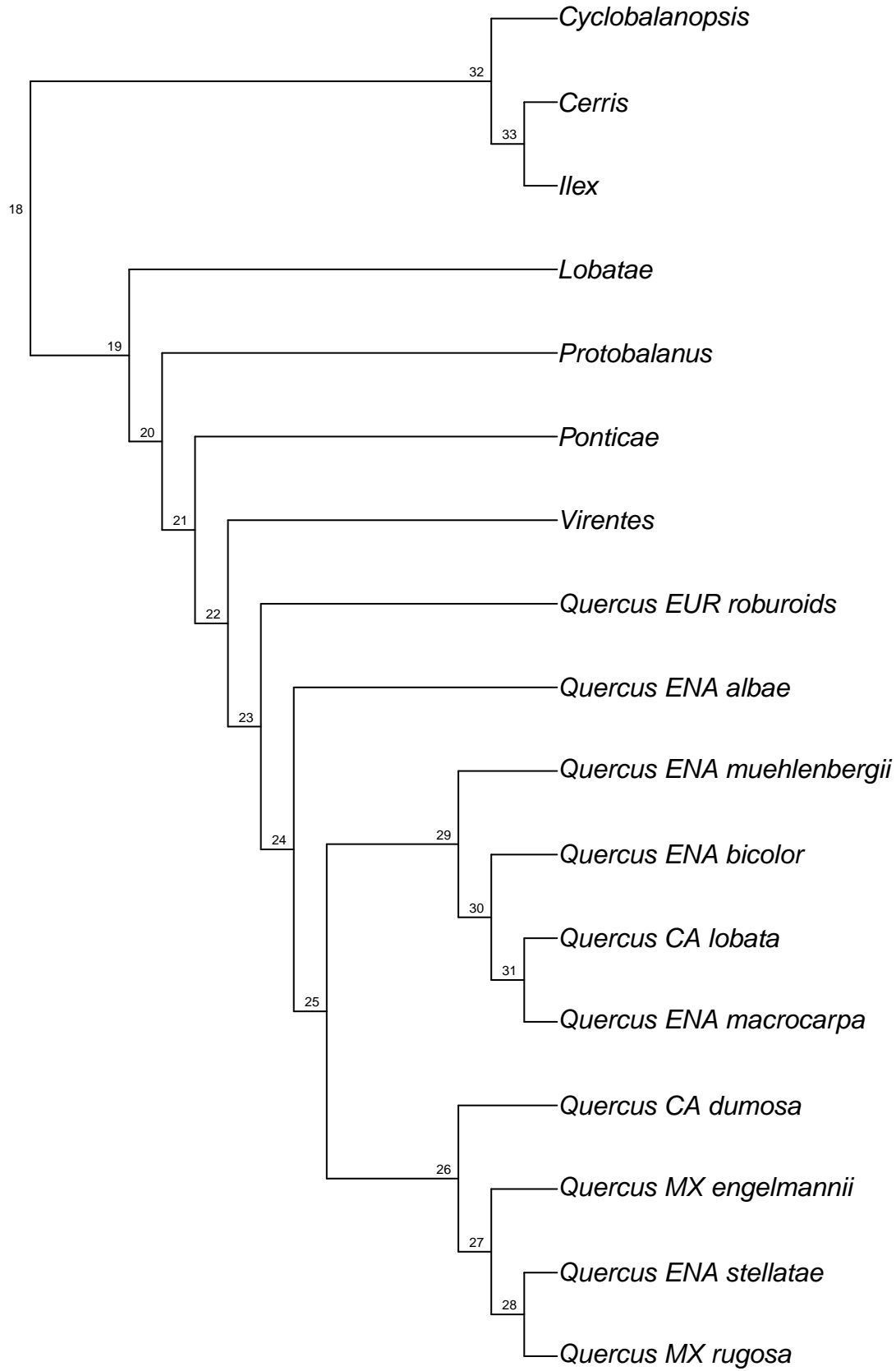


refRAD.ref\_alba\_raxml.bt053

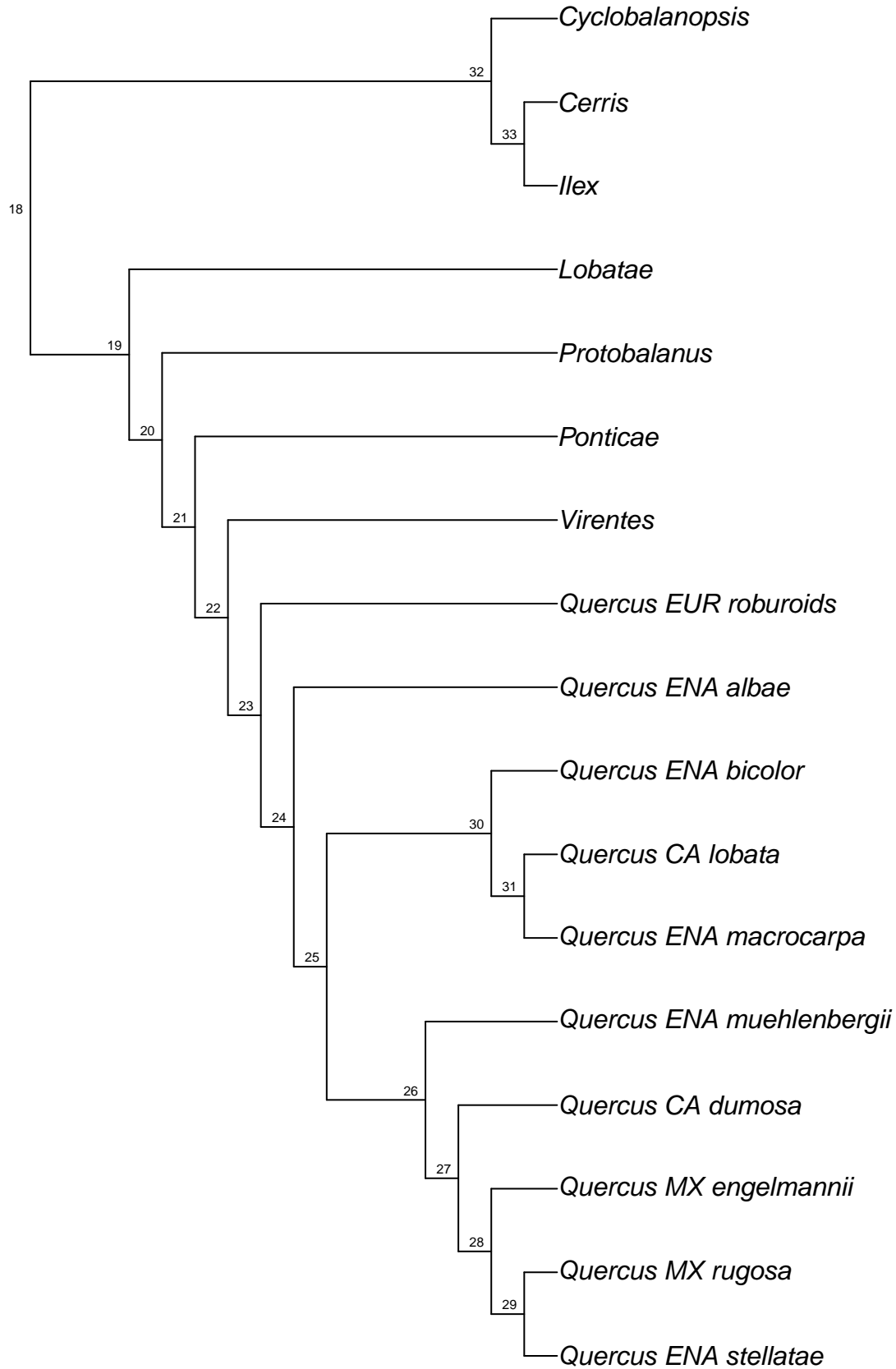




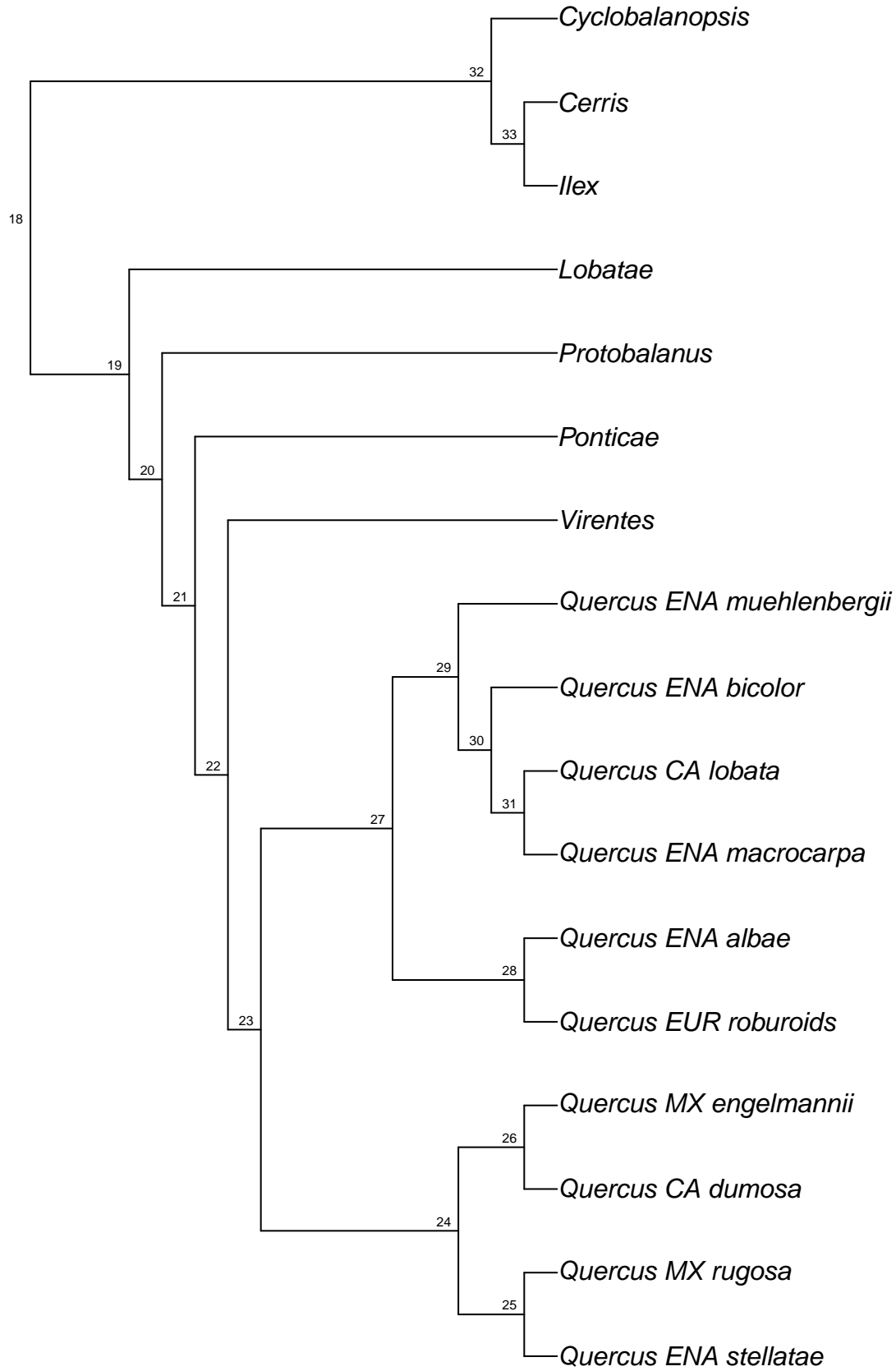
refRAD.ref\_alba\_raxml.bt054



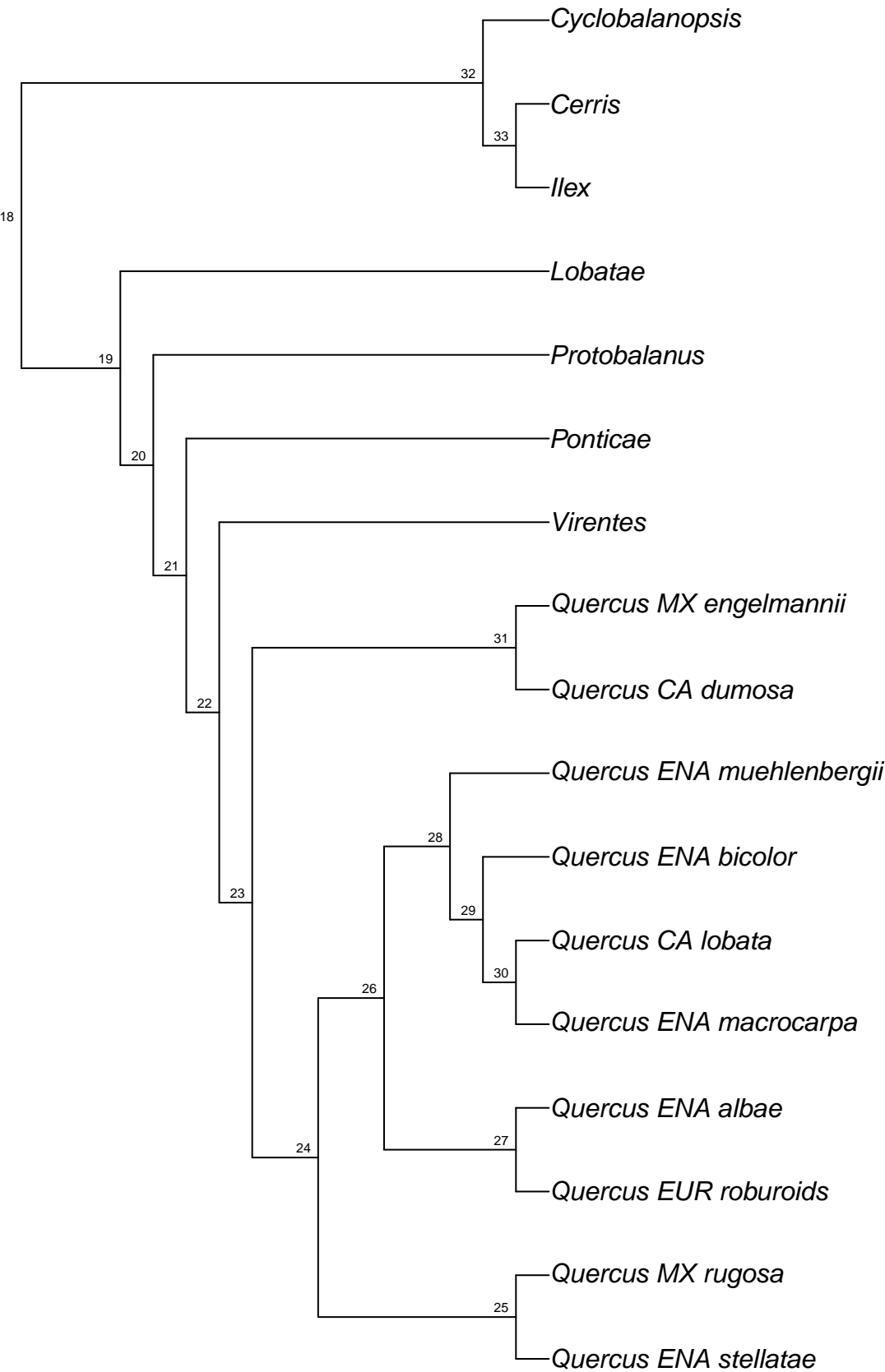
refRAD.ref\_alba\_raxml.bt055



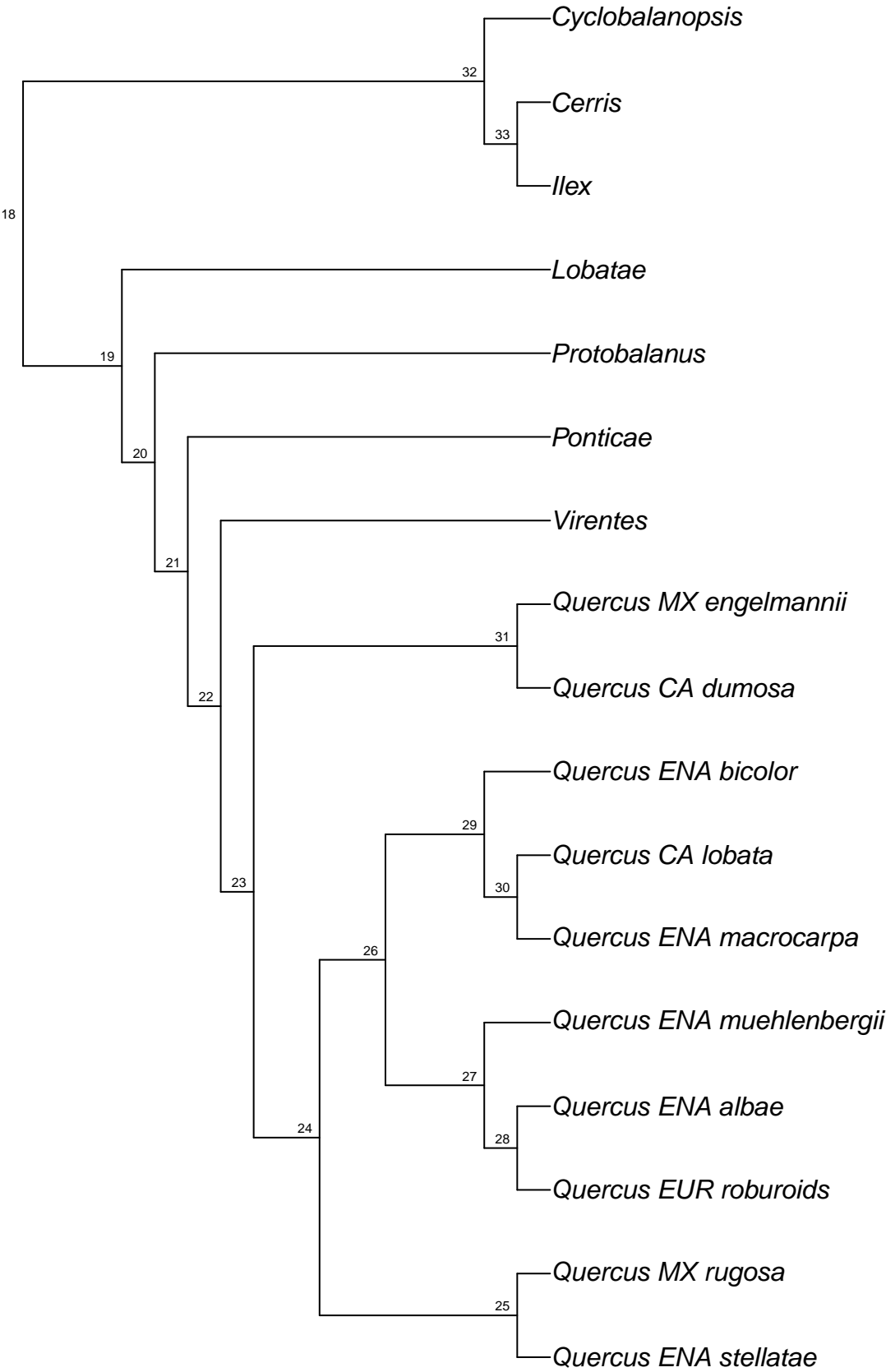
refRAD.ref\_alba\_raxml.bt056



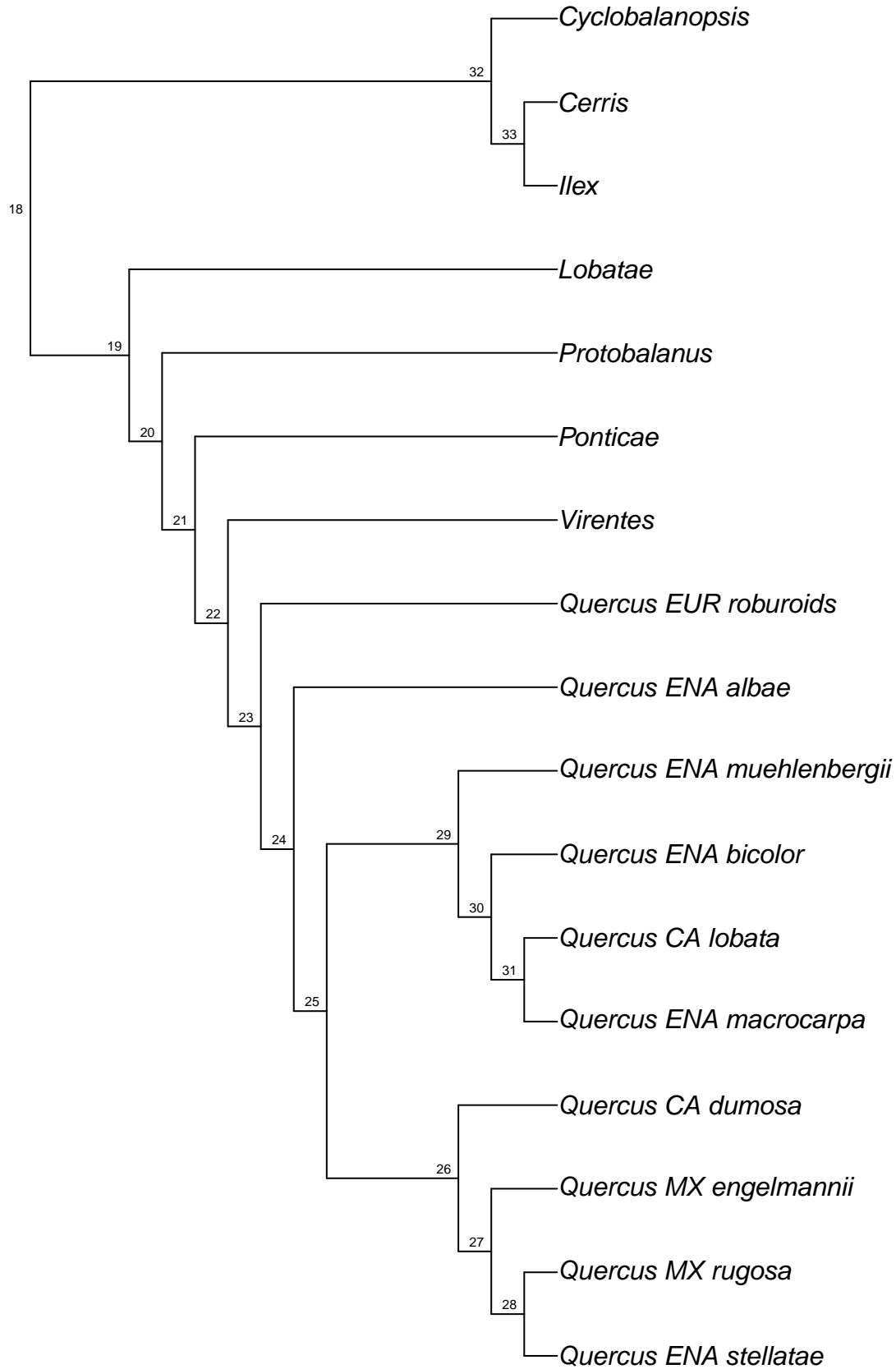
refRAD.ref\_alba\_raxml.bt057



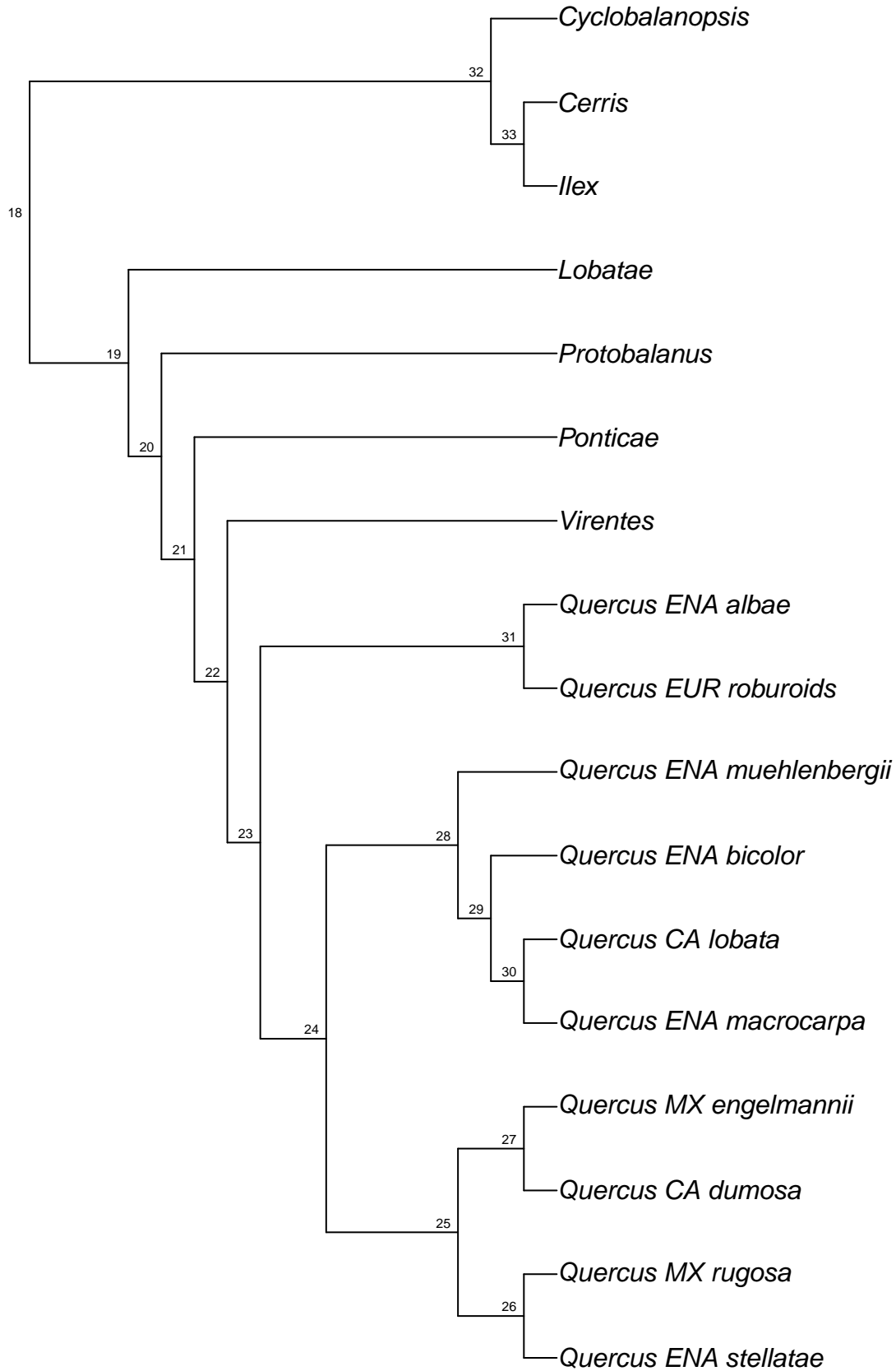
refRAD.ref\_alba\_raxml.bt058



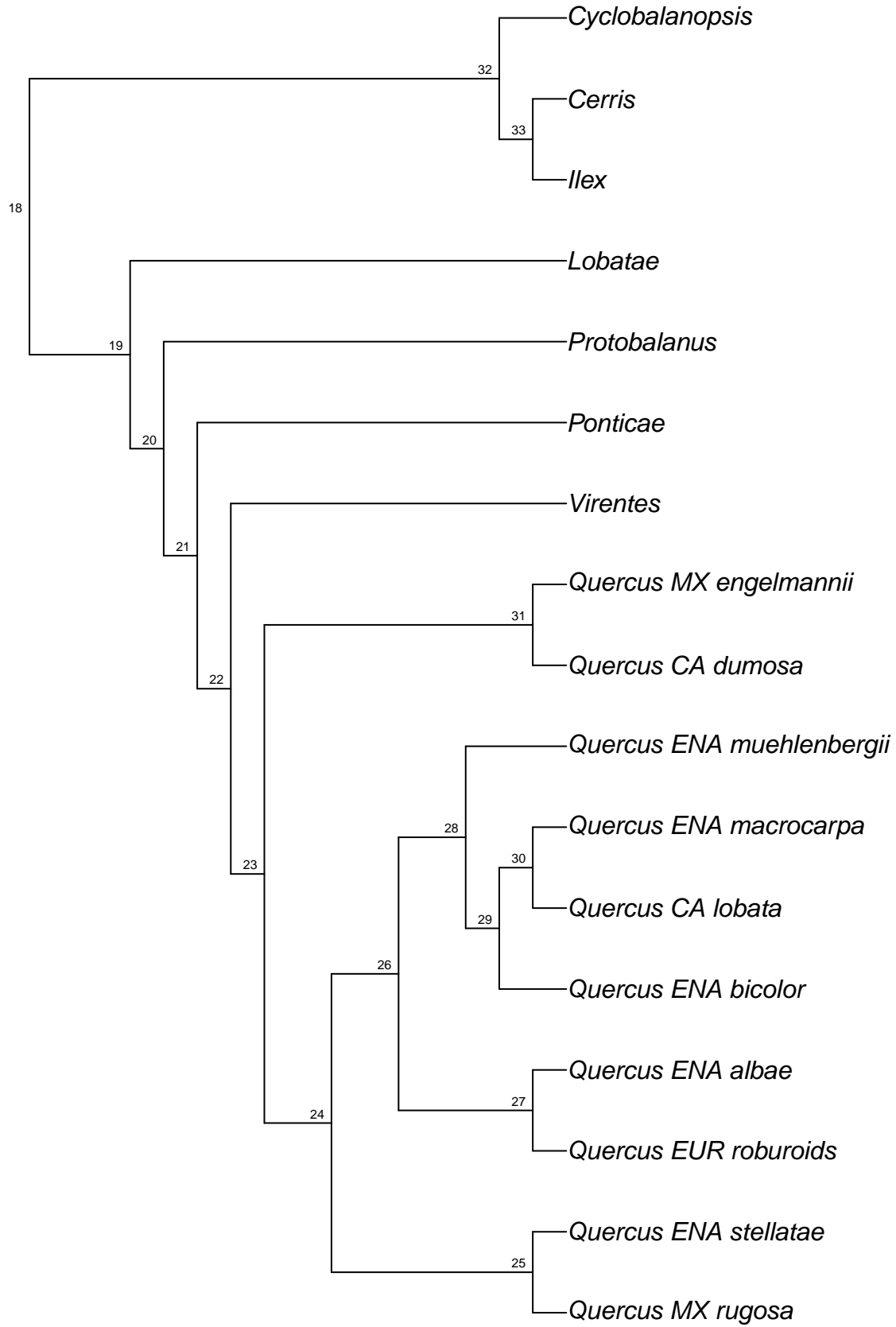
refRAD.ref\_alba\_raxml.bt059



refRAD.ref\_alba\_raxml.bt060

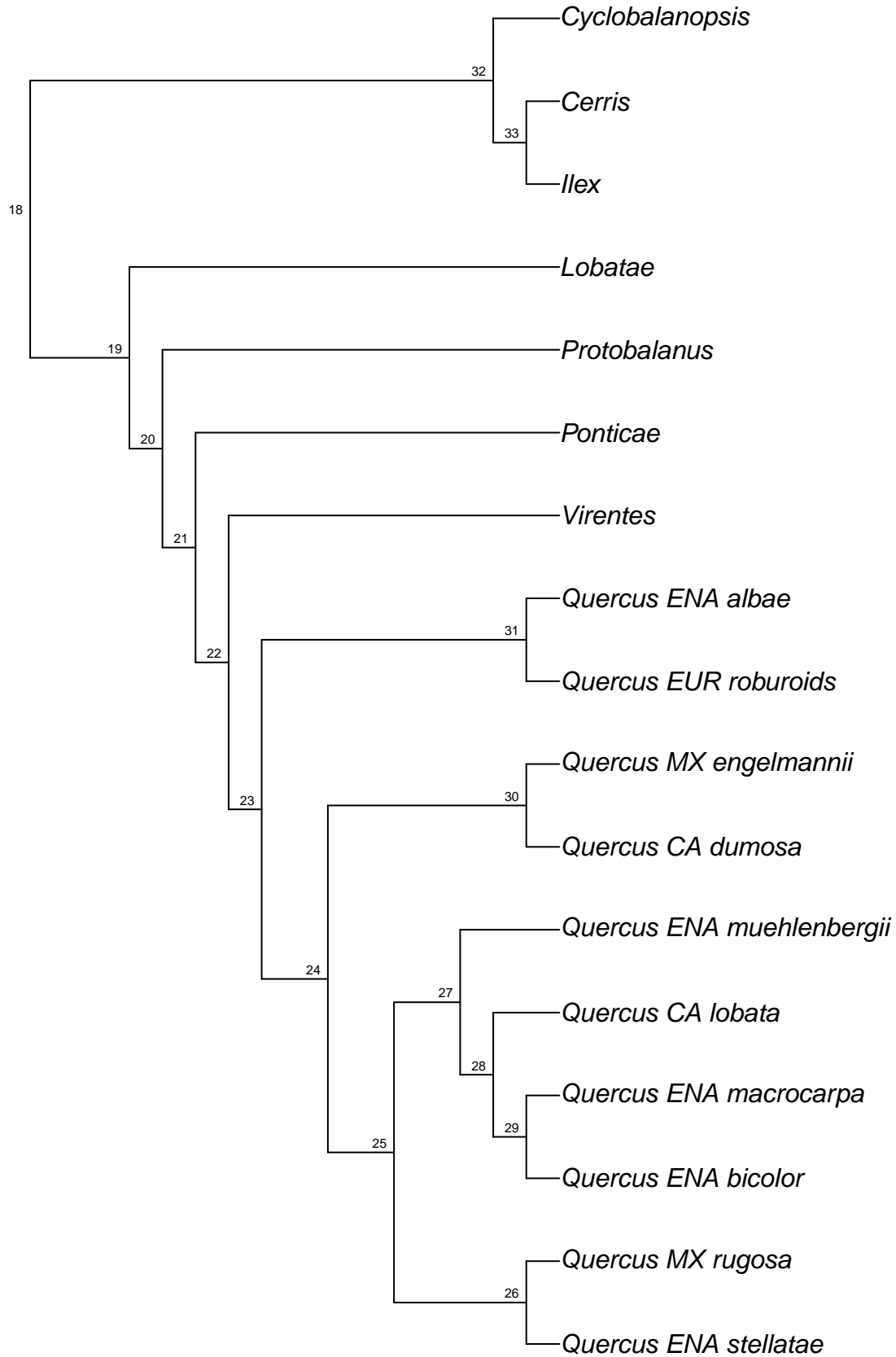


refRAD.ref\_alba\_raxml.bt061

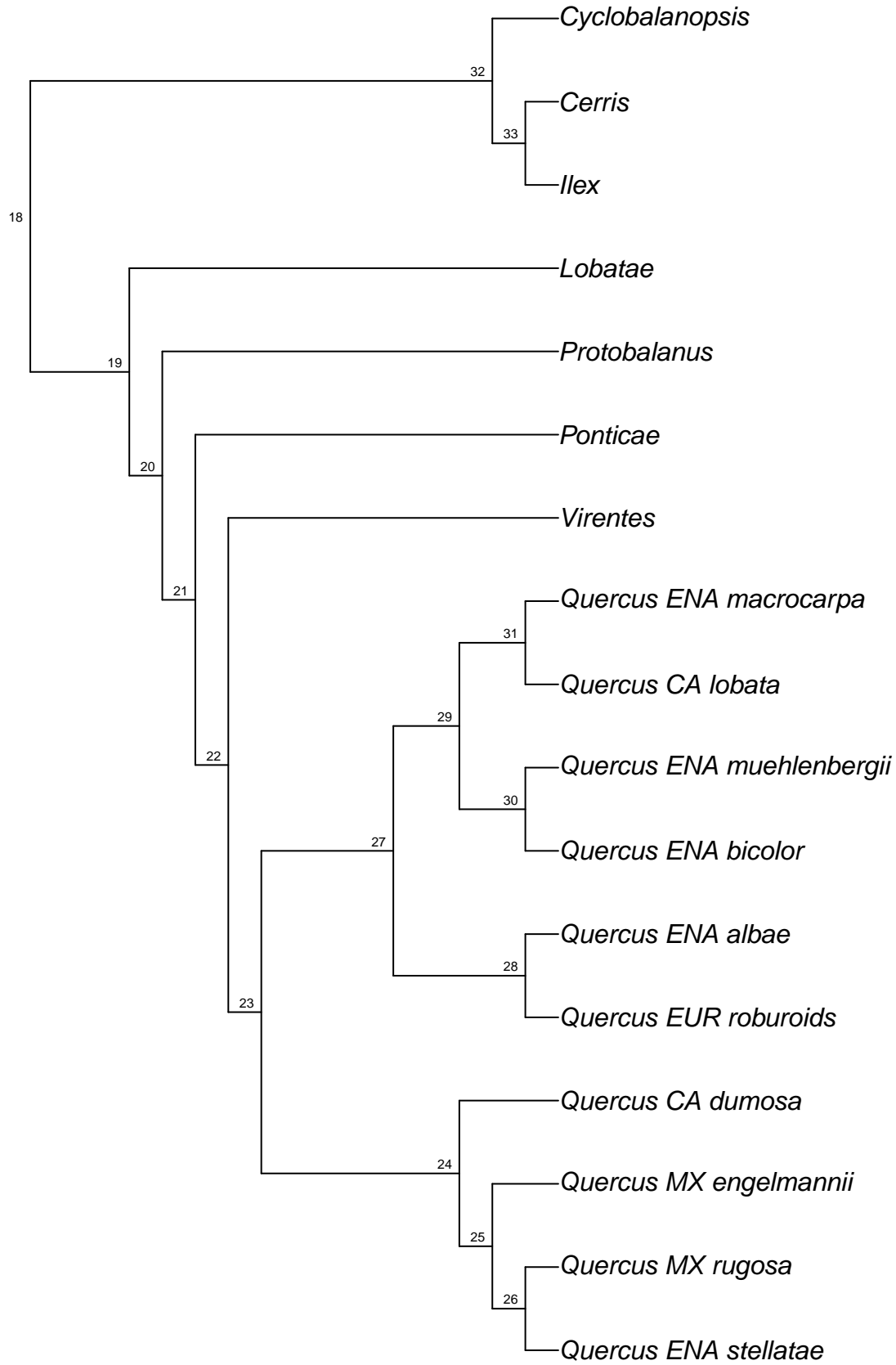




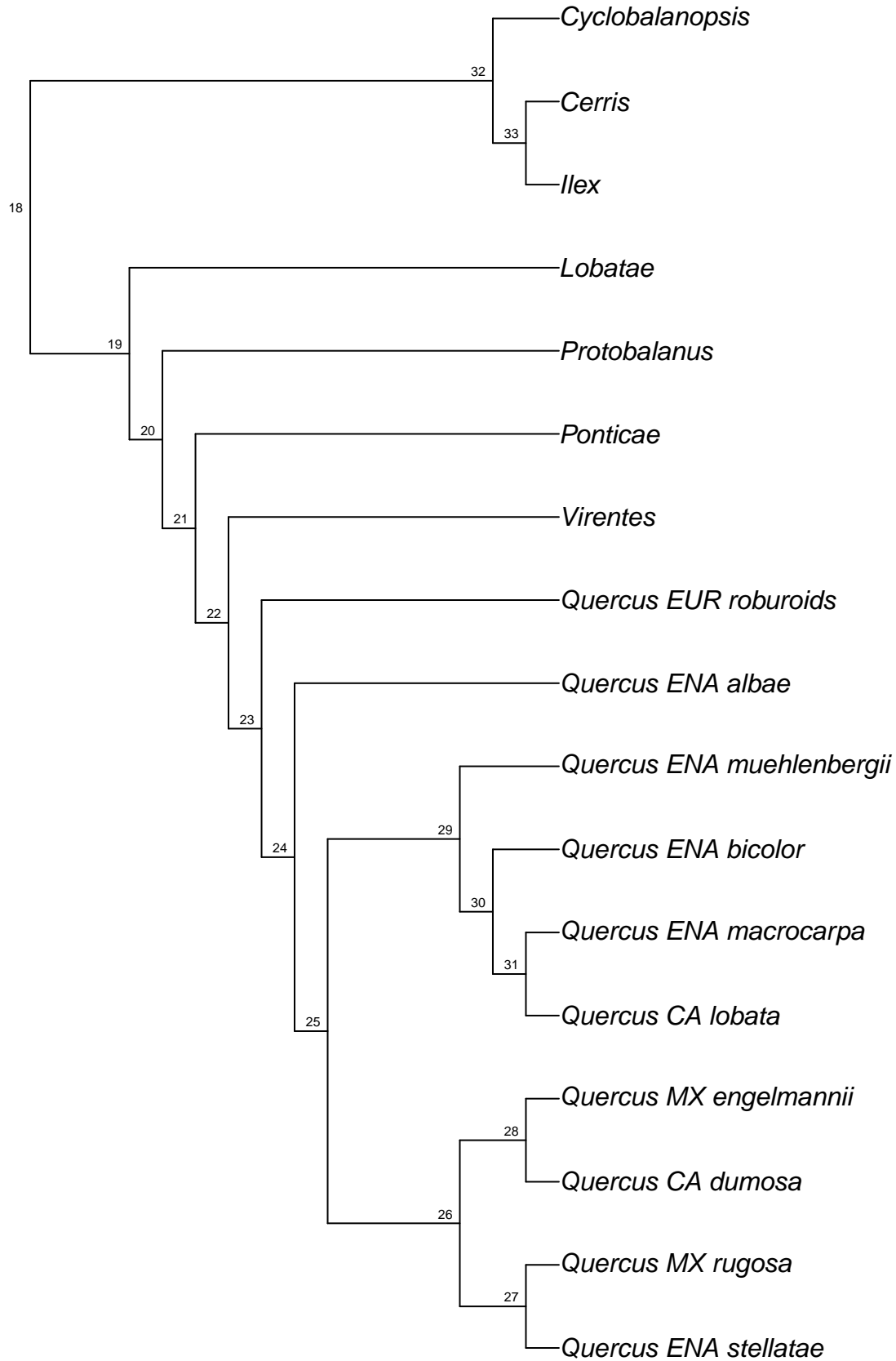
refRAD.ref\_alba\_raxml.bt062



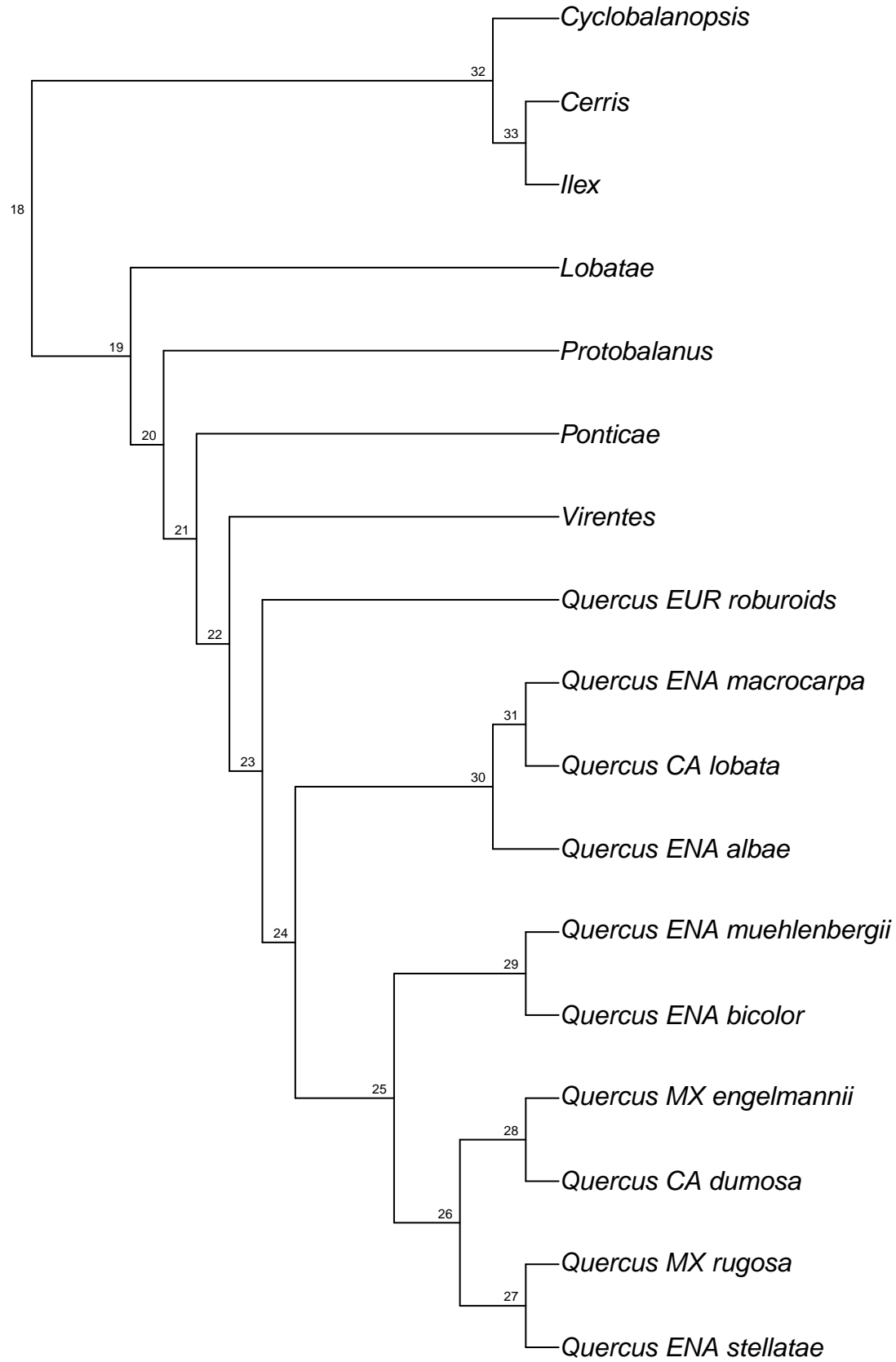
refRAD.ref\_alba\_raxml.bt063



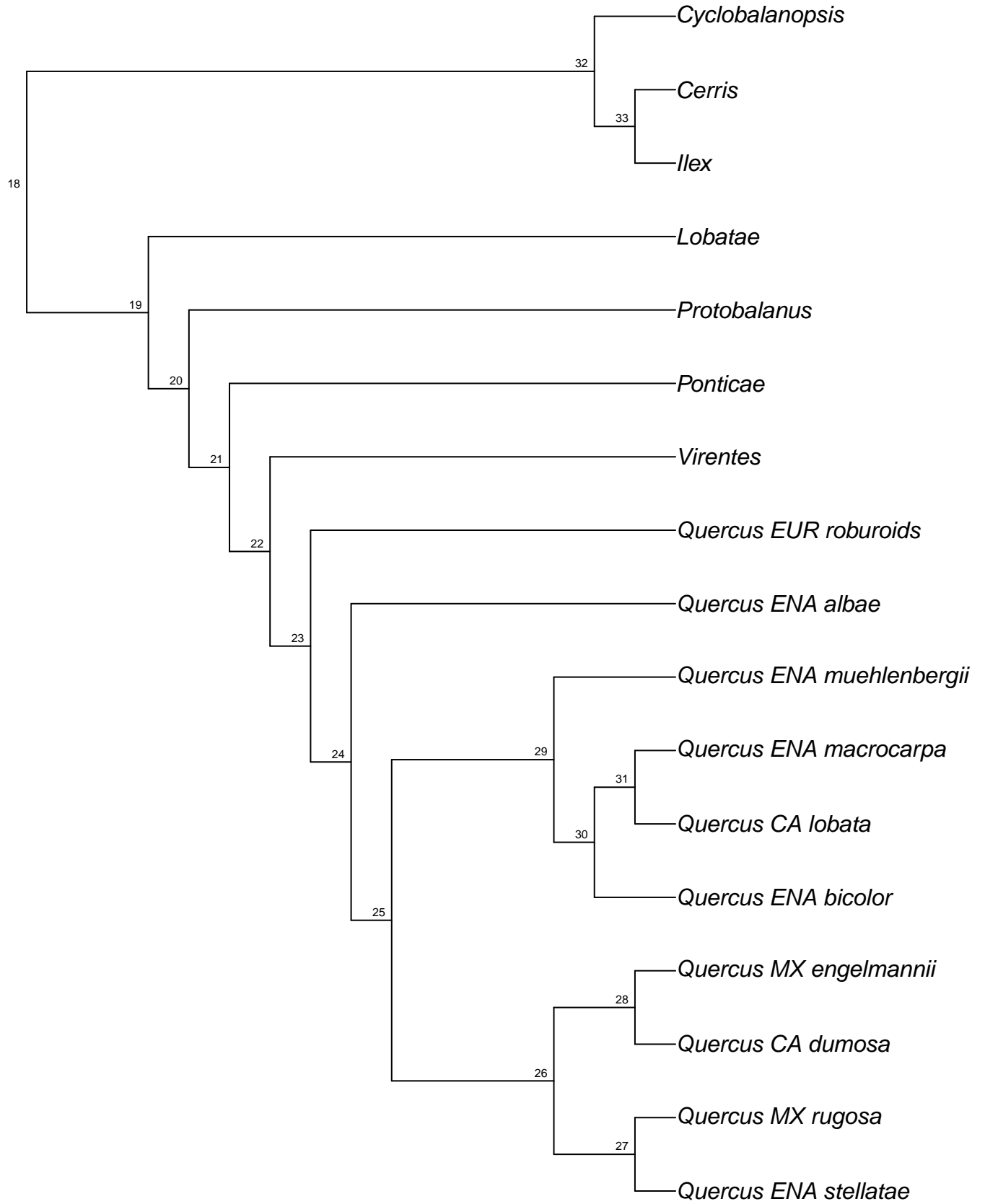
**refRAD.ref\_alba\_raxml.bt064**



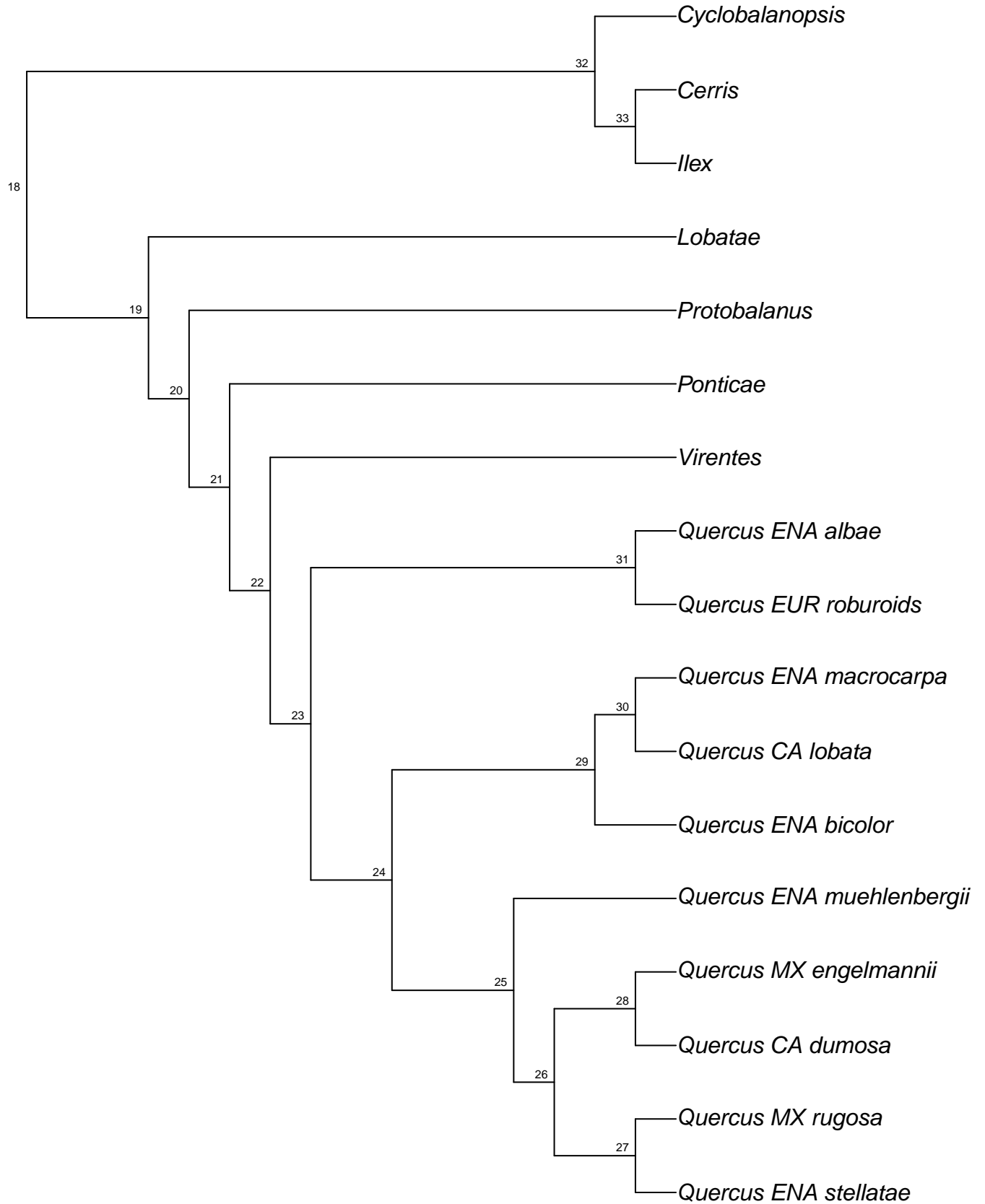
refRAD.ref\_alba\_raxml.bt065



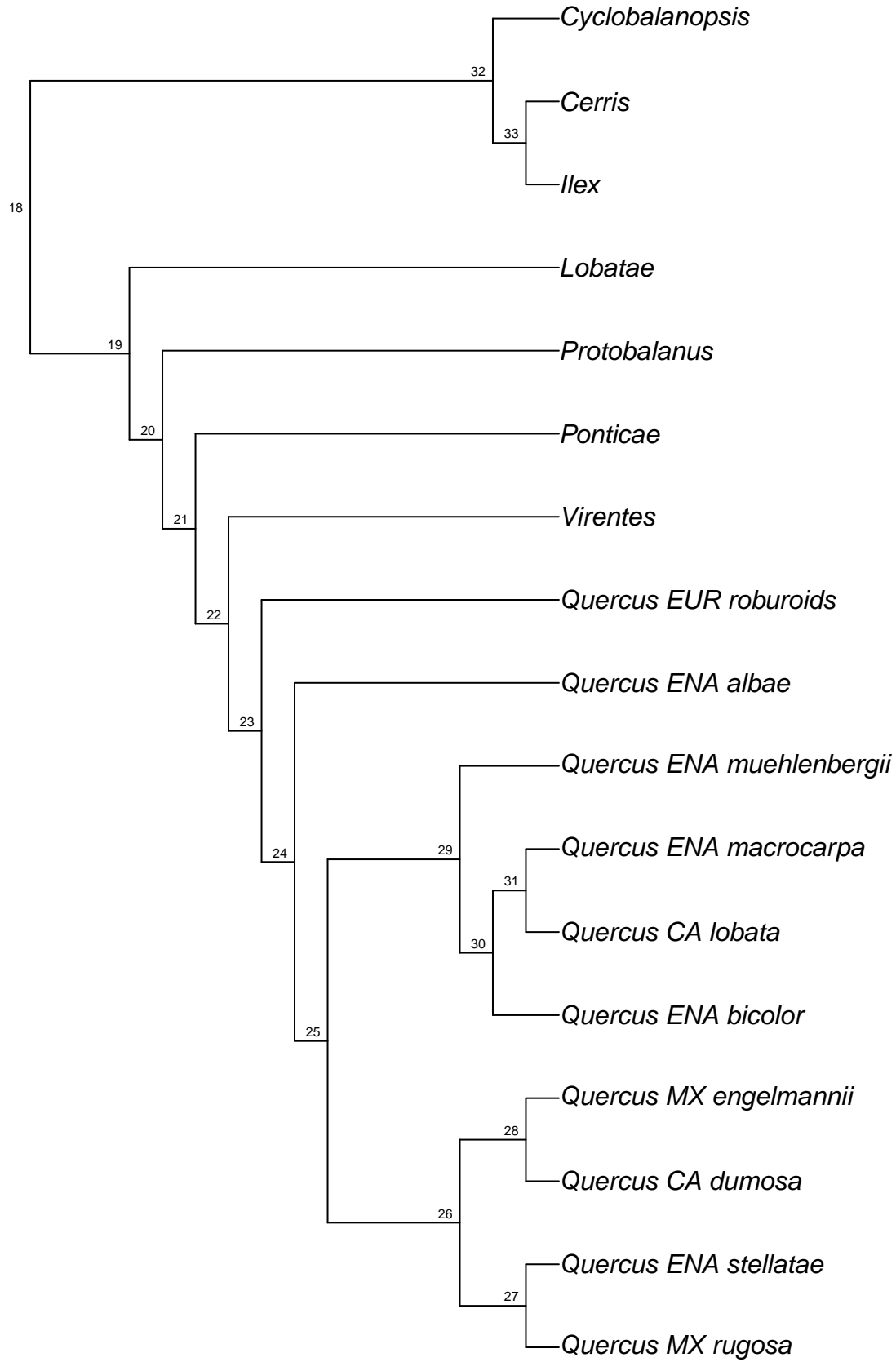
refRAD.ref\_alba\_raxml.bt066



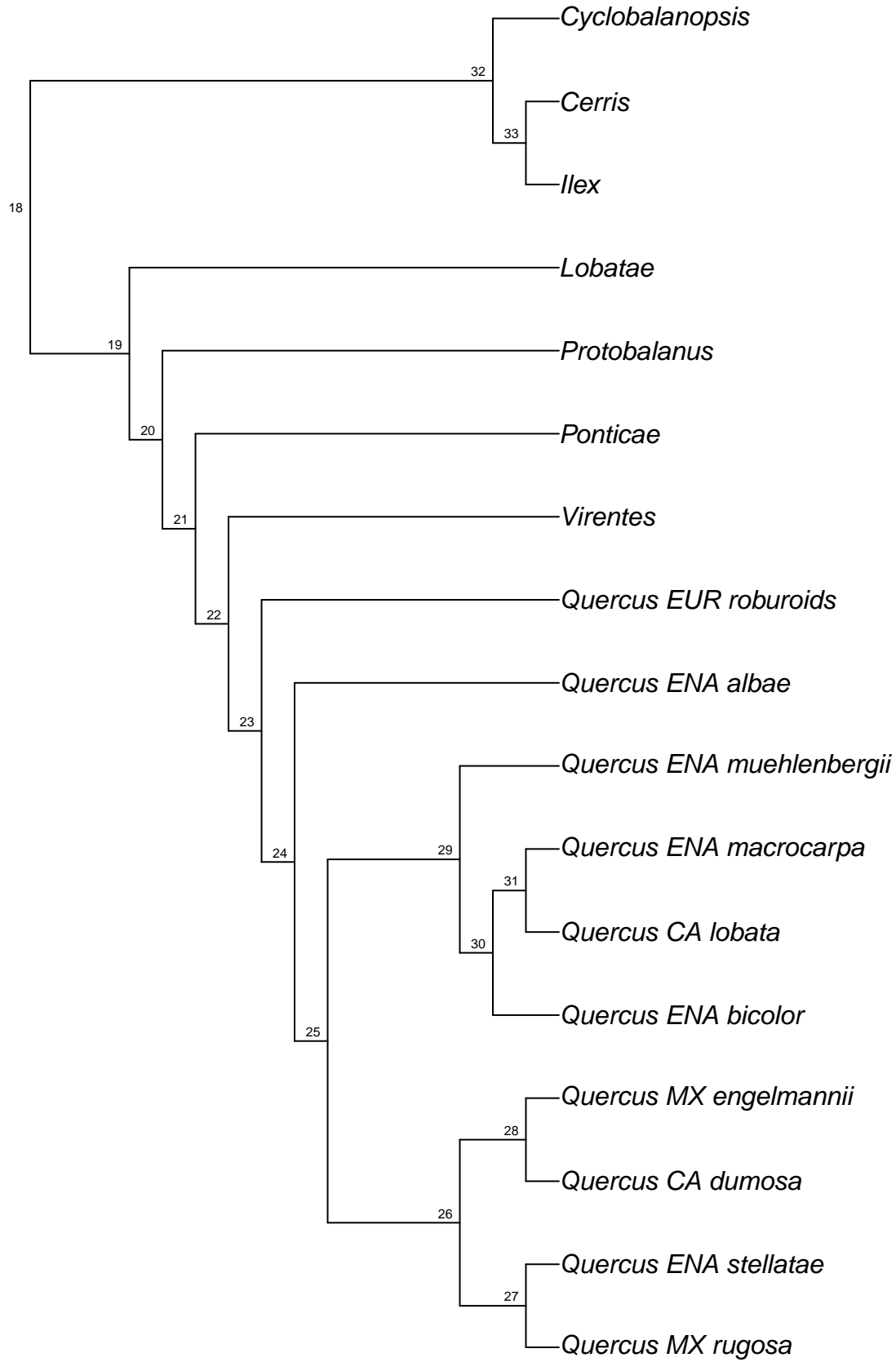
refRAD.ref\_alba\_raxml.bt067



refRAD.ref\_alba\_raxml.bt068

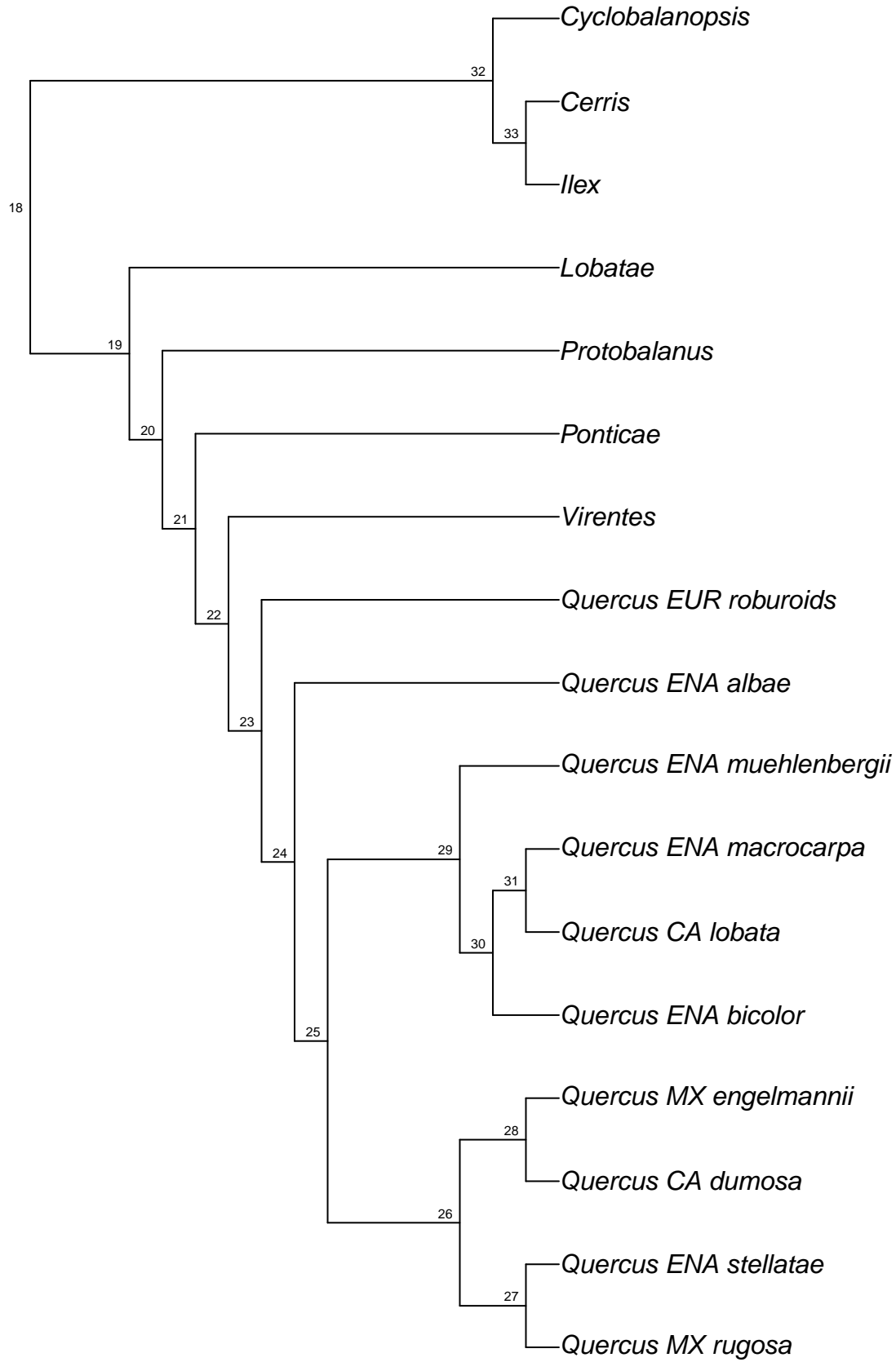


refRAD.ref\_alba\_raxml.bt069

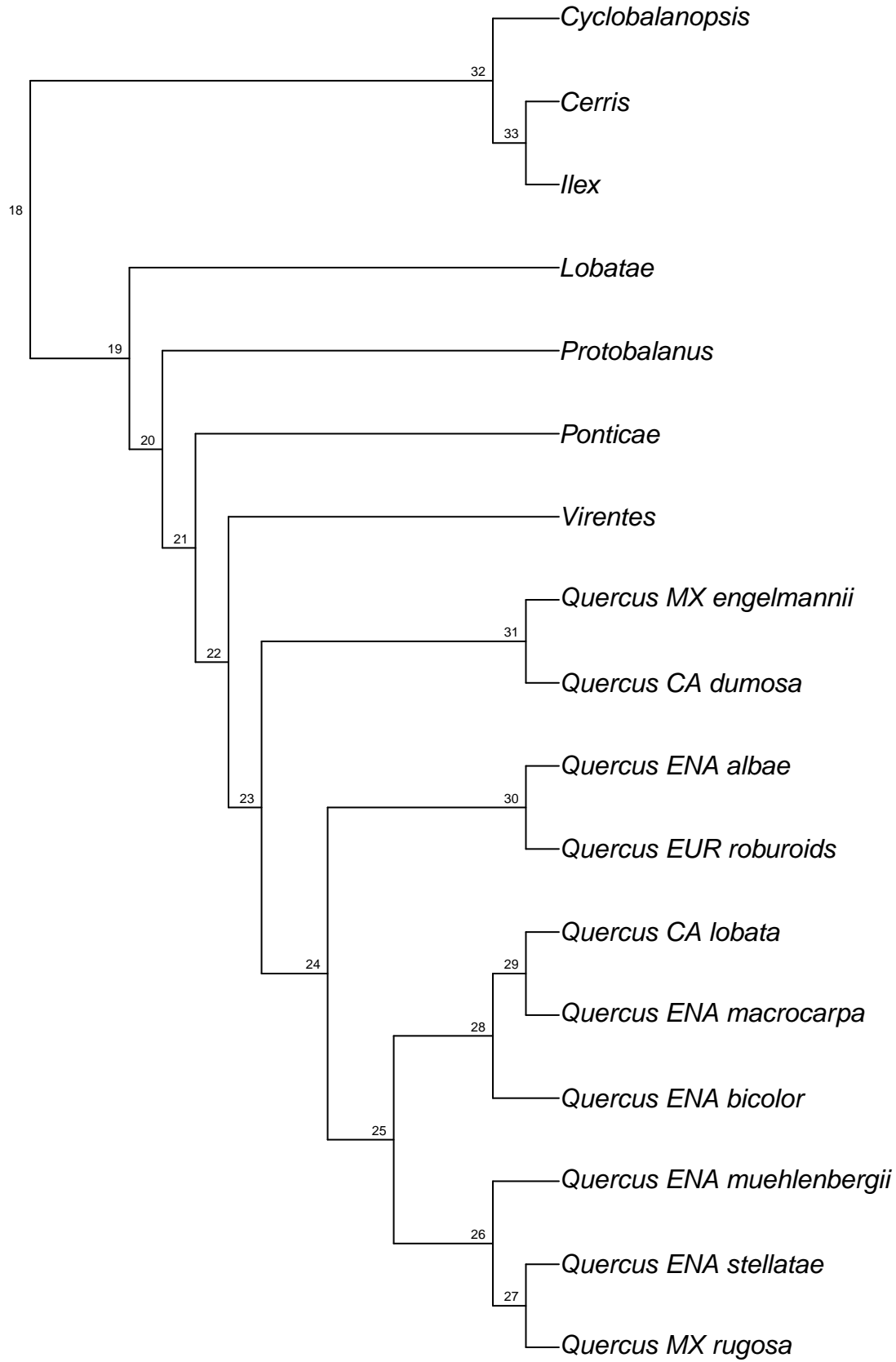




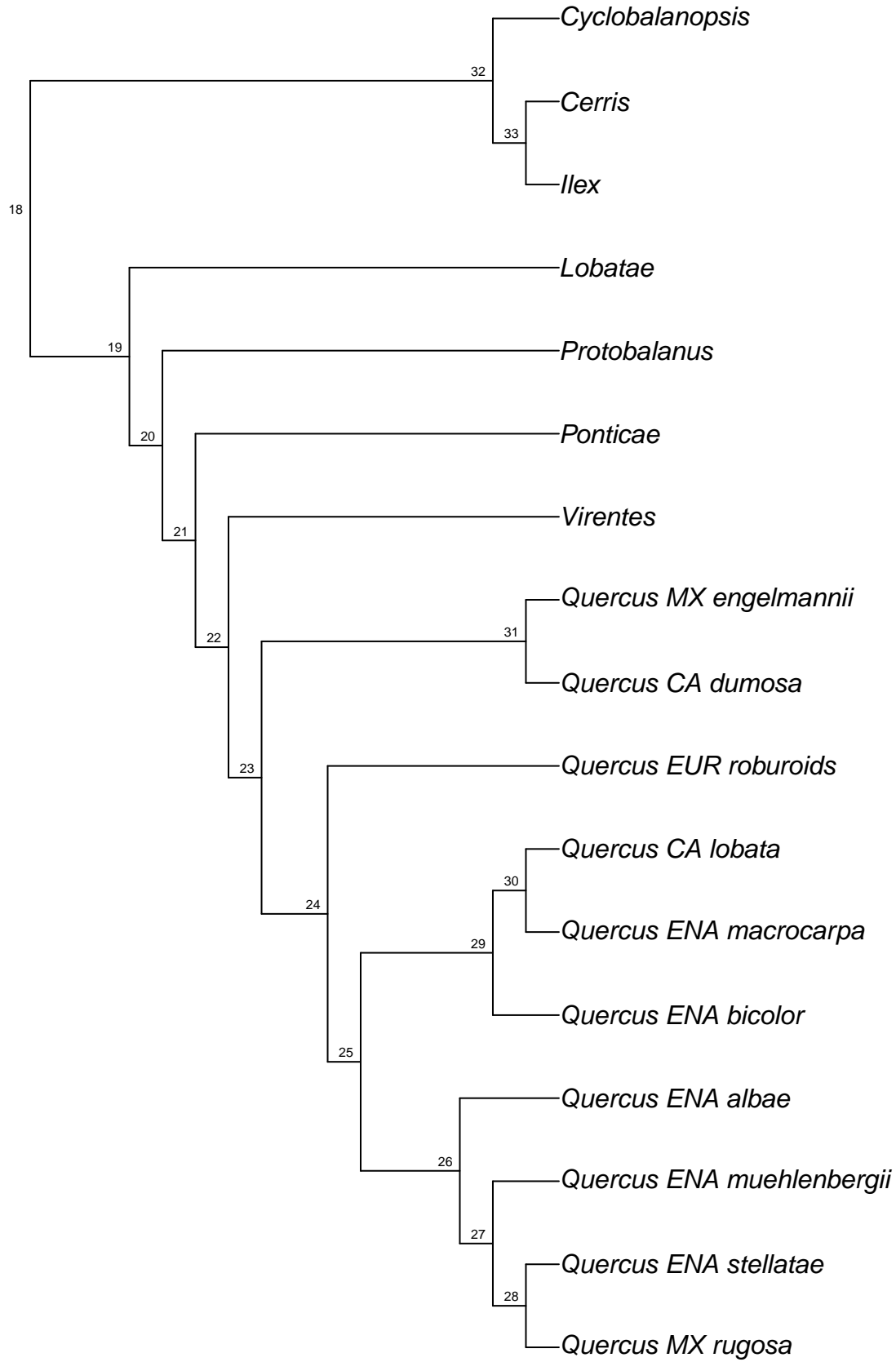
refRAD.ref\_alba\_raxml.bt070



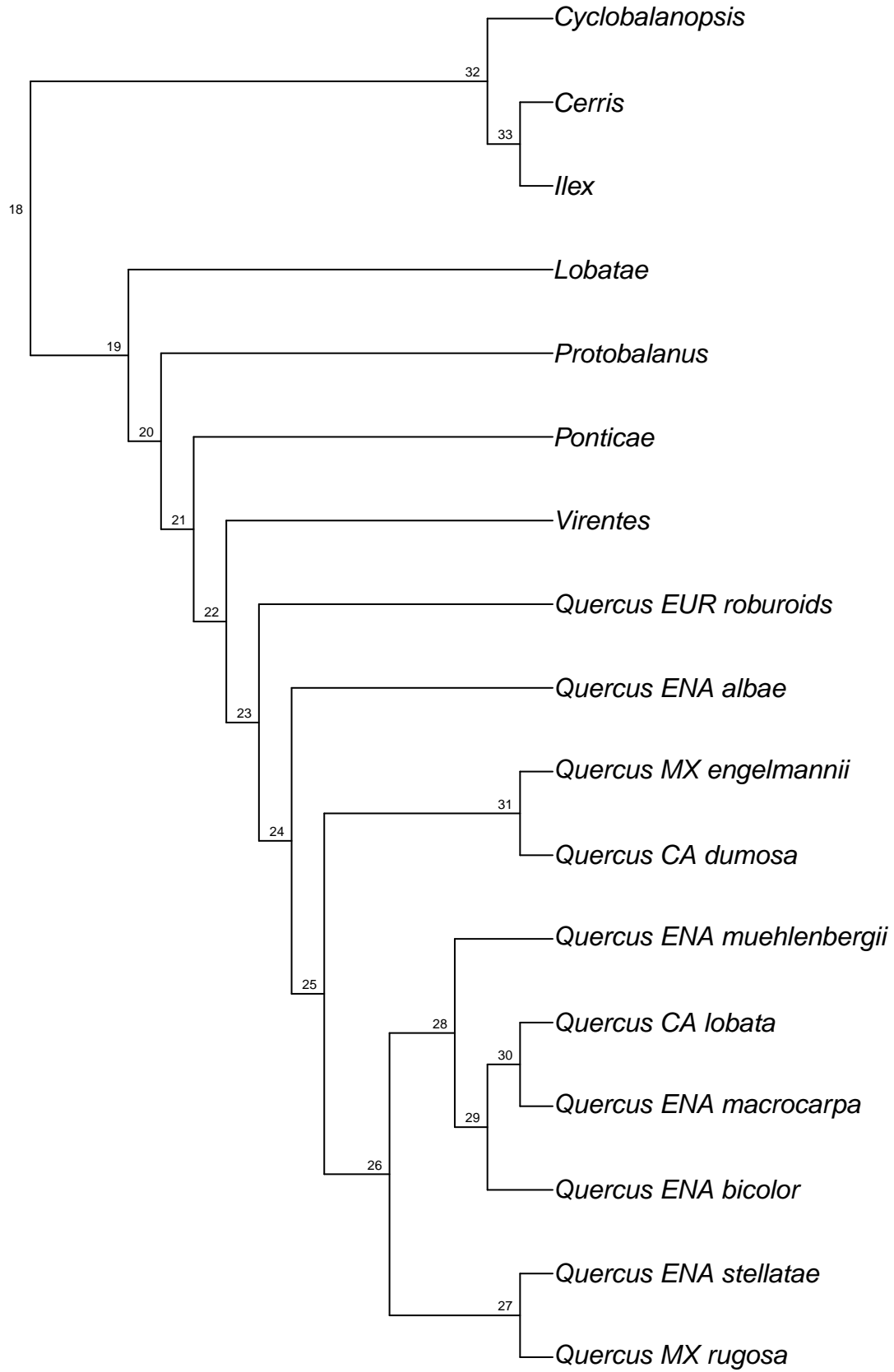
refRAD.ref\_alba\_raxml.bt071



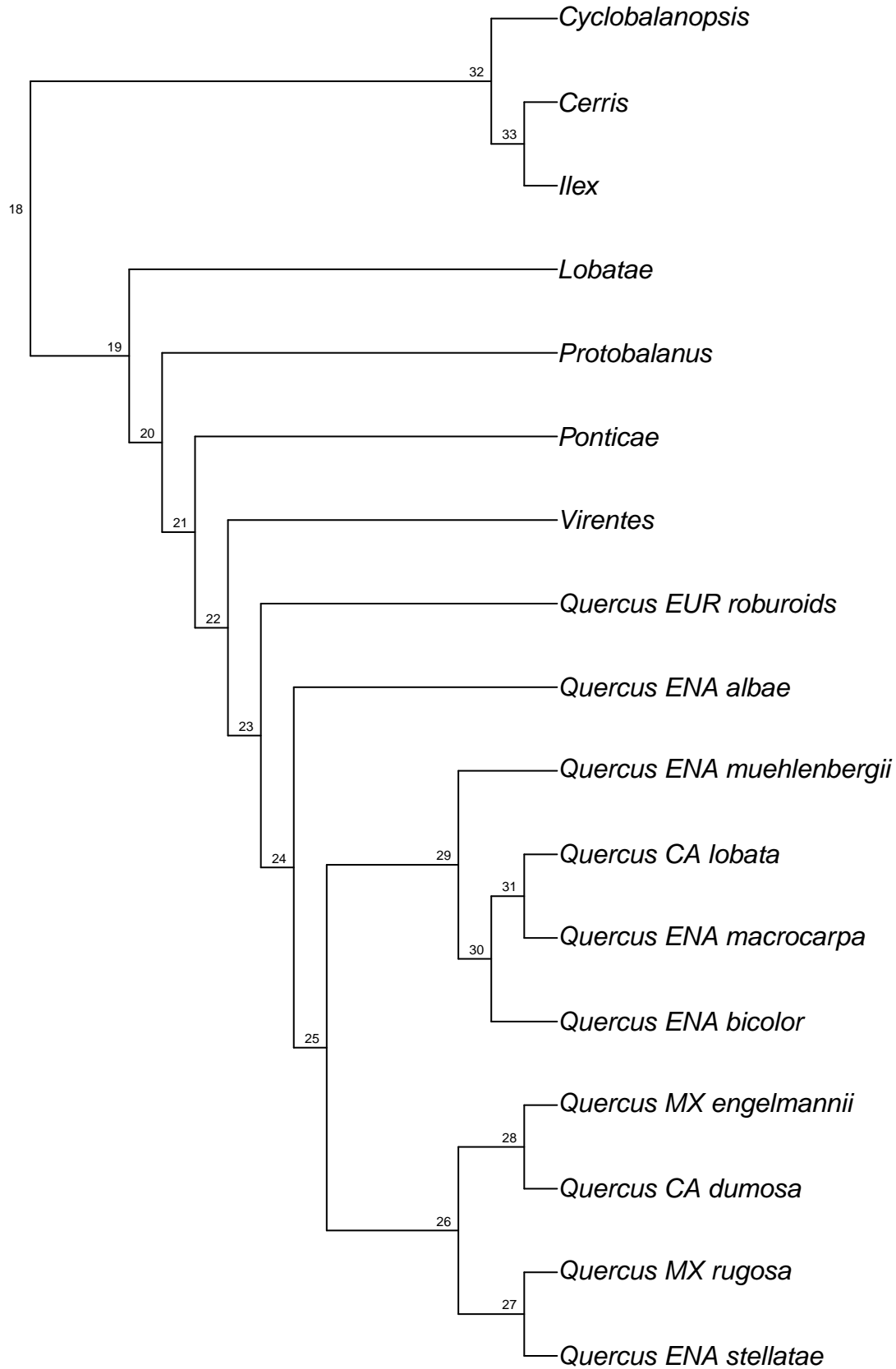
refRAD.ref\_alba\_raxml.bt072



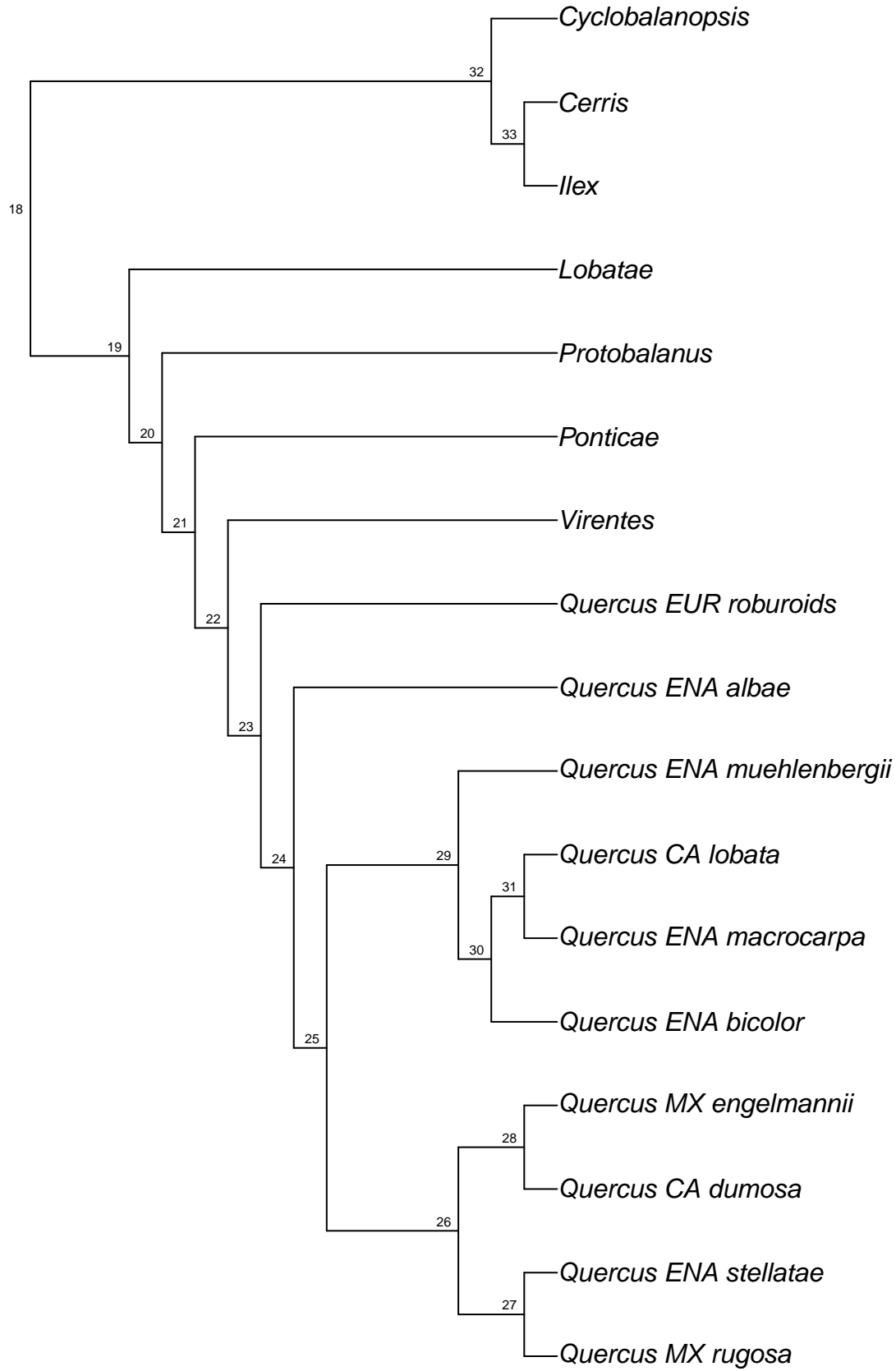
refRAD.ref\_alba\_raxml.bt073



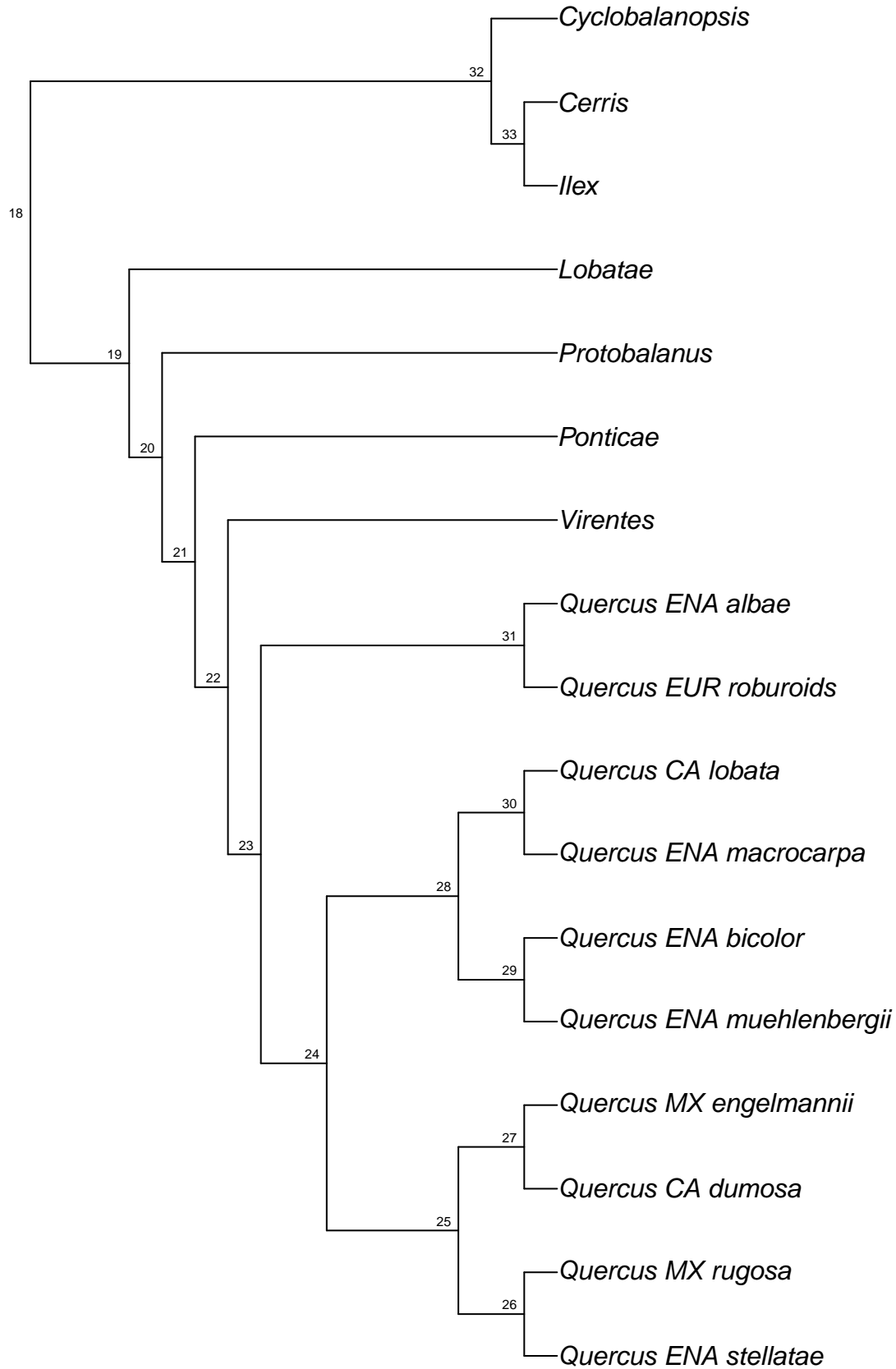
refRAD.ref\_alba\_raxml.bt074



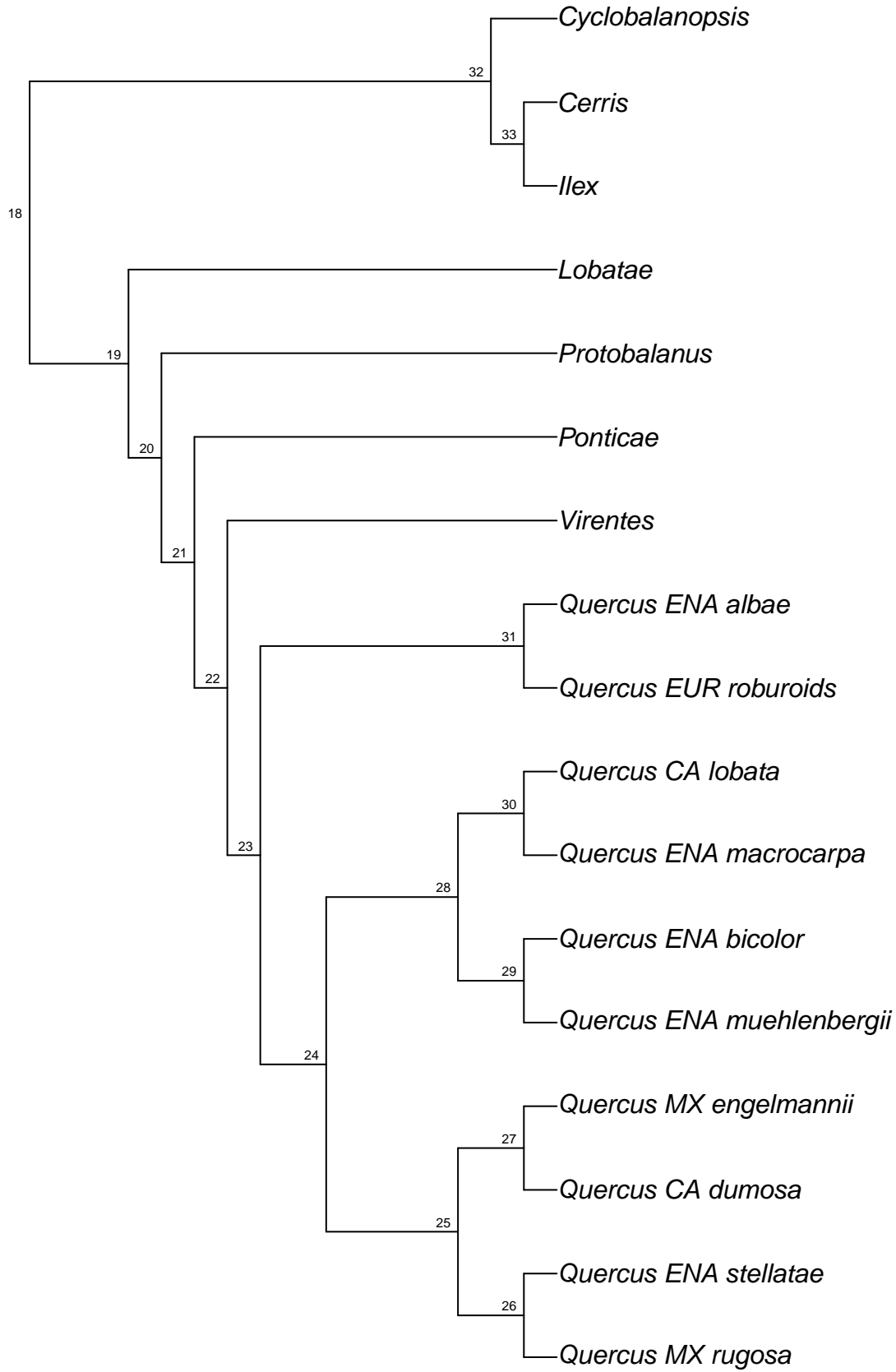
refRAD.ref\_alba\_raxml.bt075



refRAD.ref\_alba\_raxml.bt076

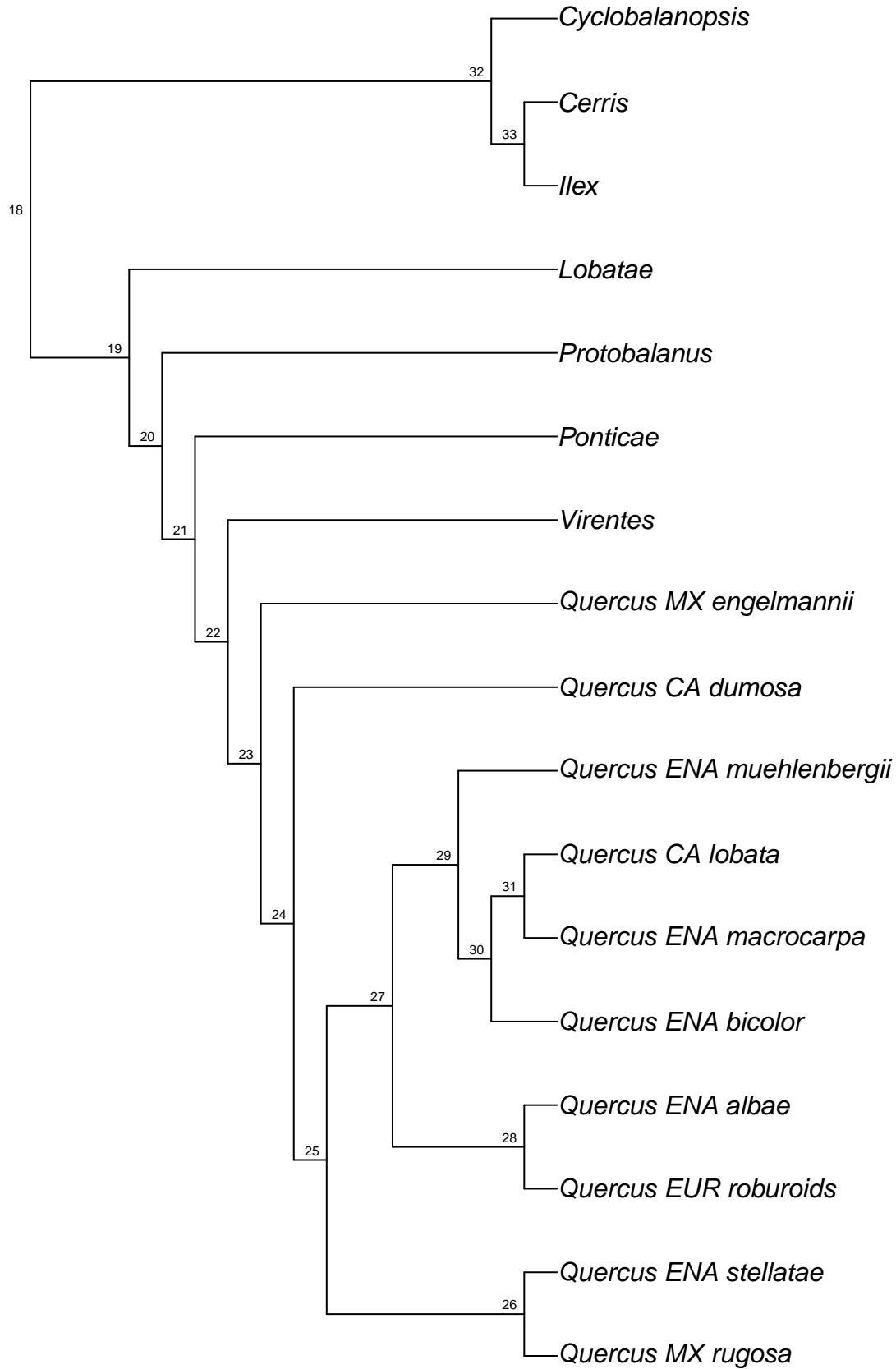


refRAD.ref\_alba\_raxml.bt077

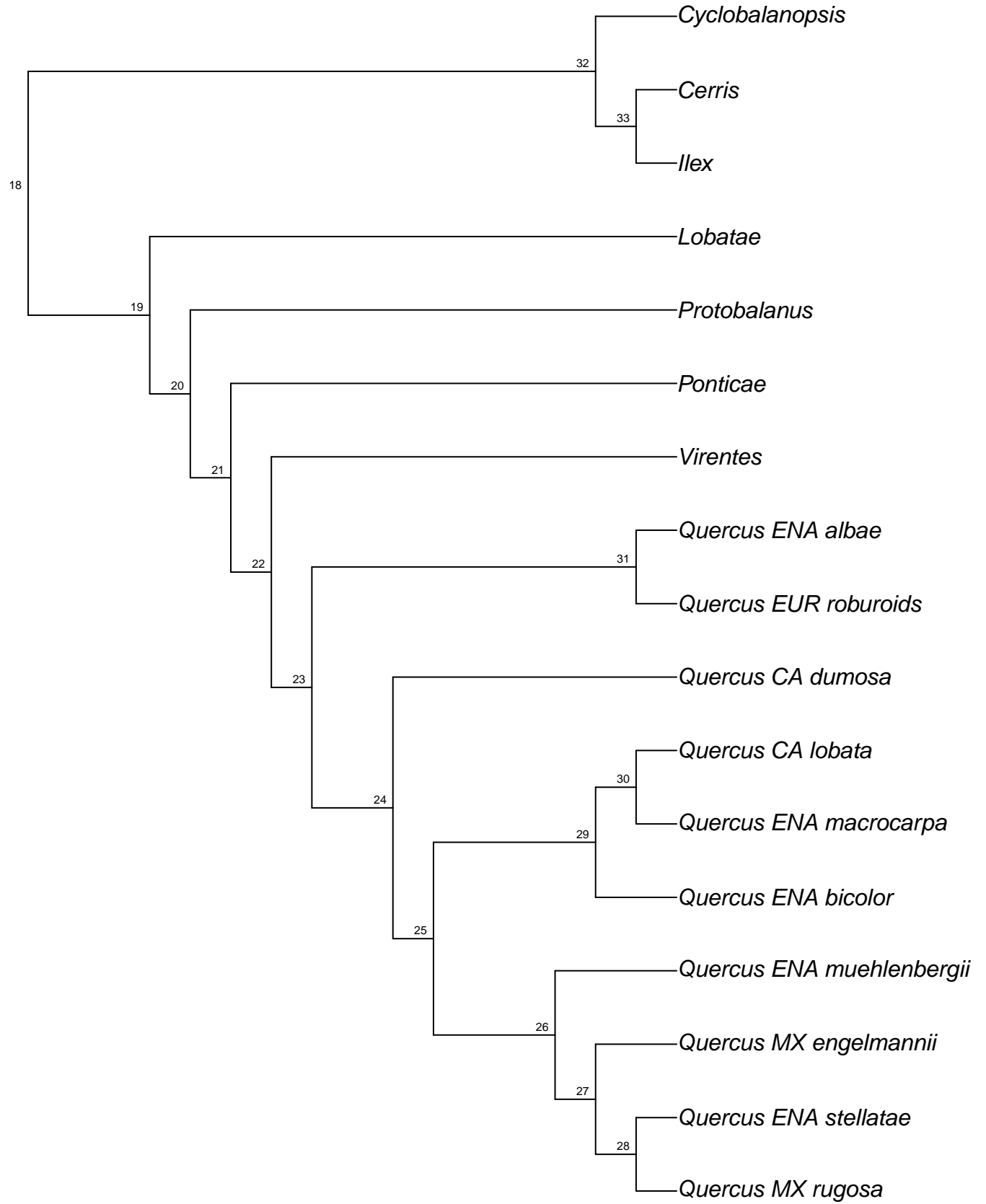




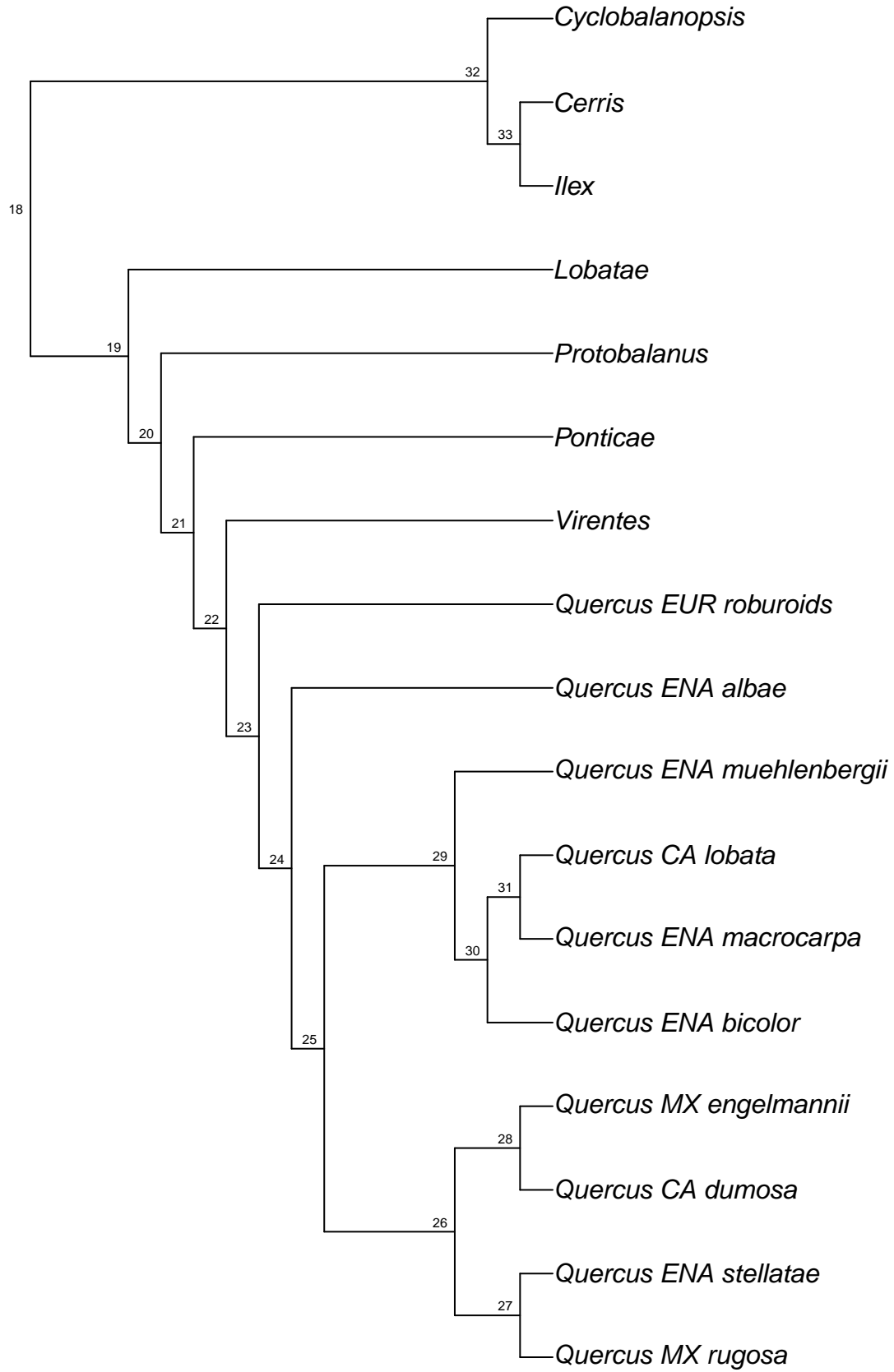
refRAD.ref\_alba\_raxml.bt078



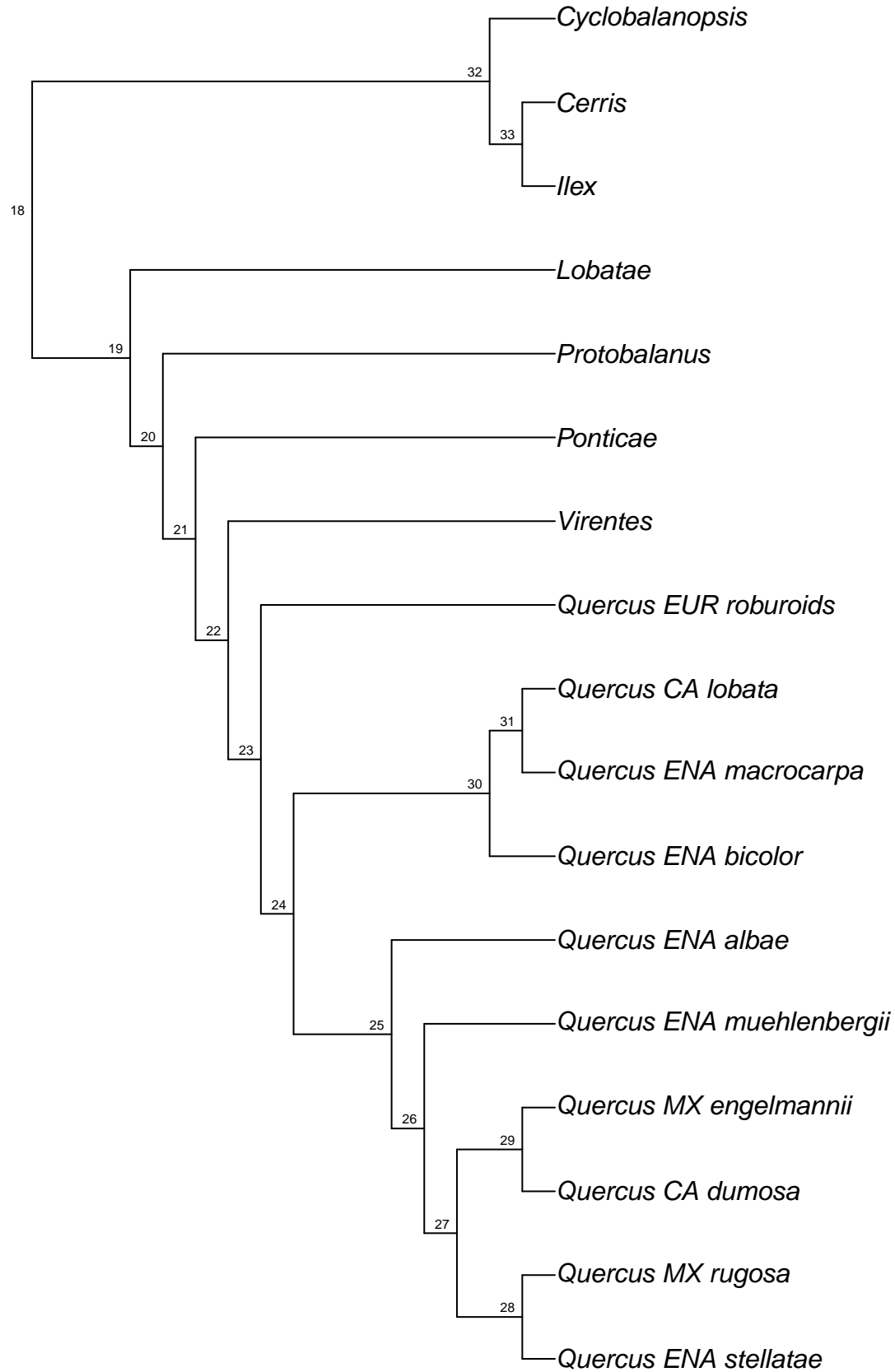
refRAD.ref\_alba\_raxml.bt079



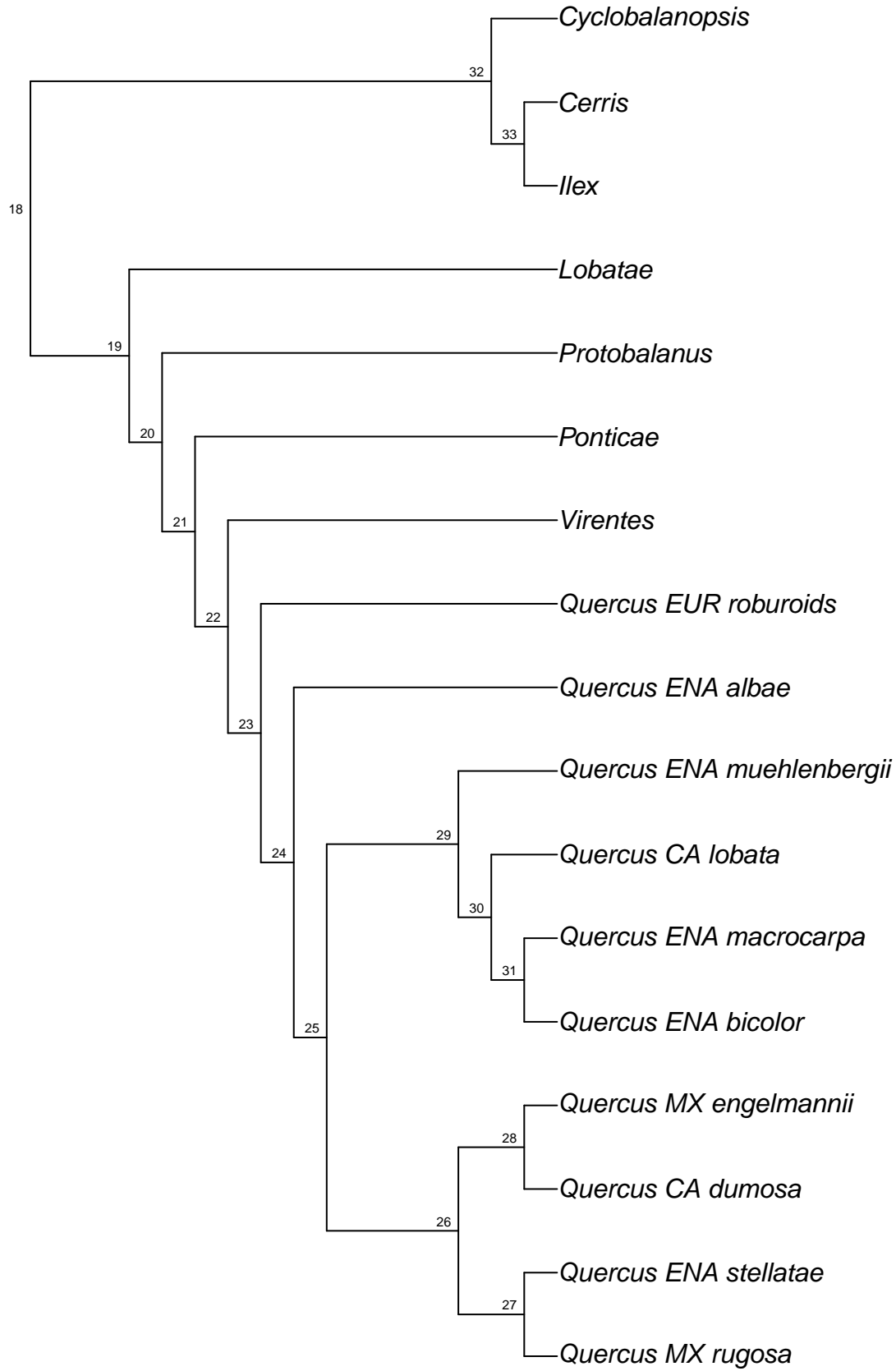
refRAD.ref\_alba\_raxml.bt080



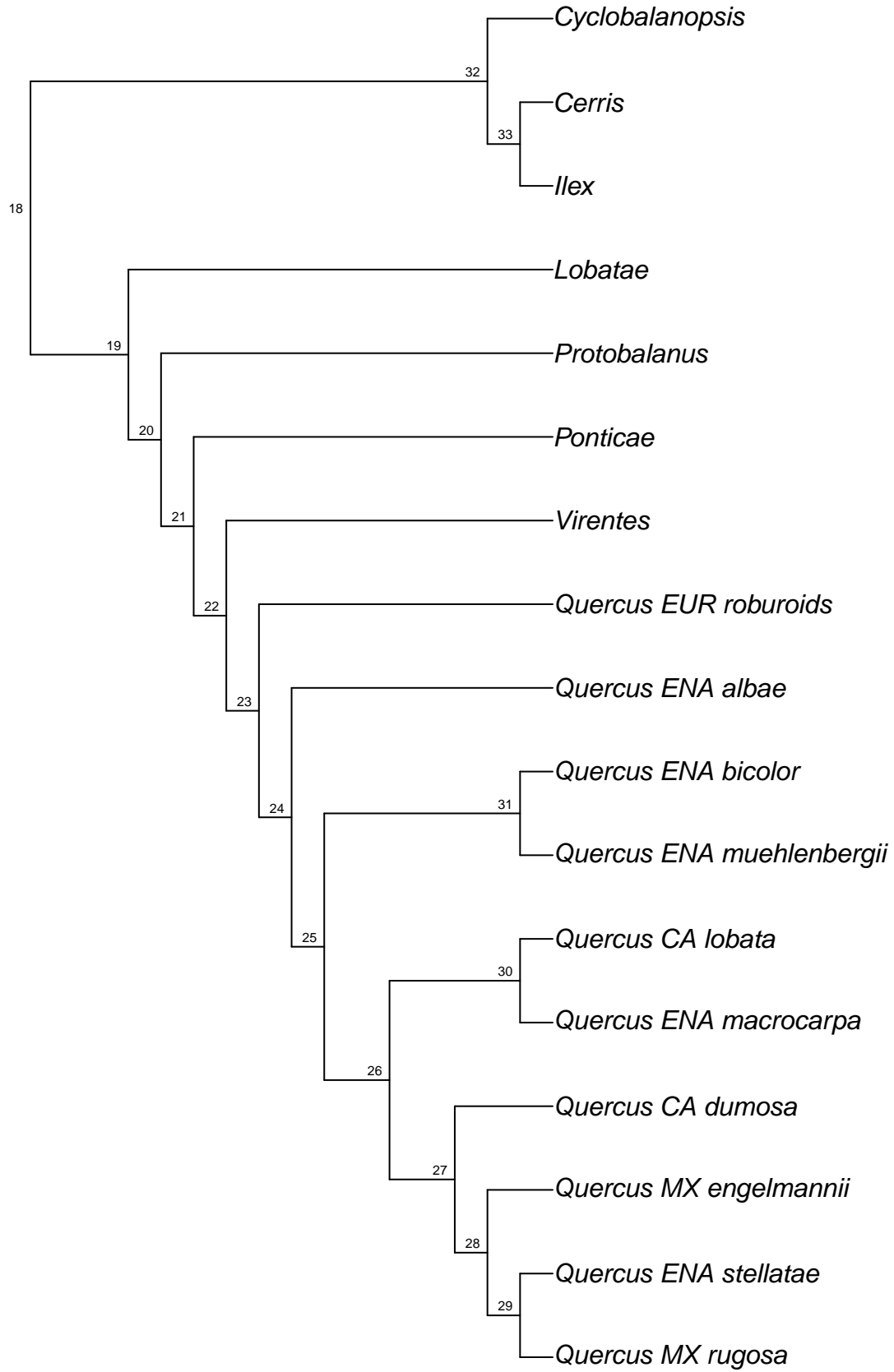
refRAD.ref\_alba\_raxml.bt081



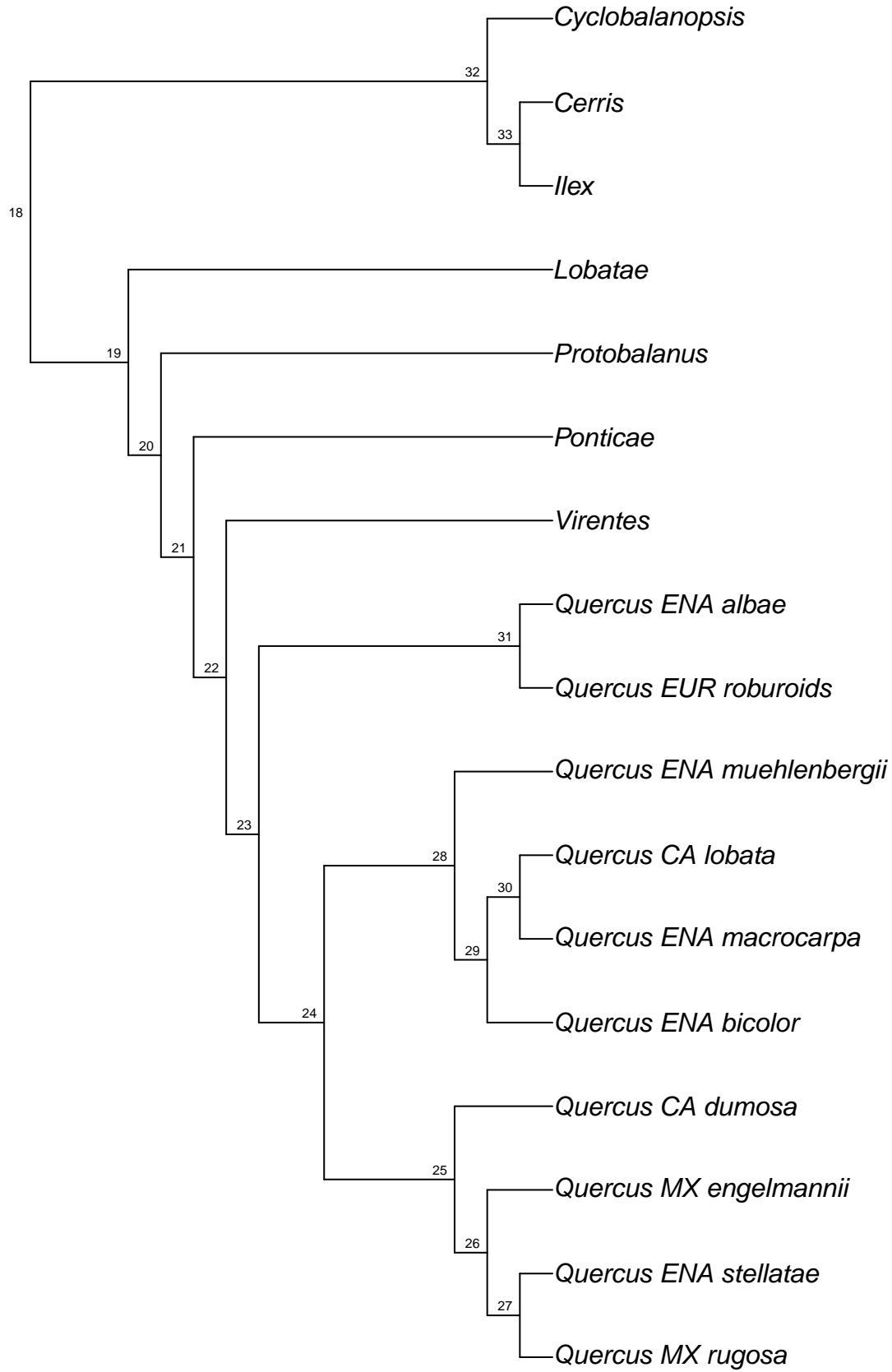
refRAD.ref\_alba\_raxml.bt082



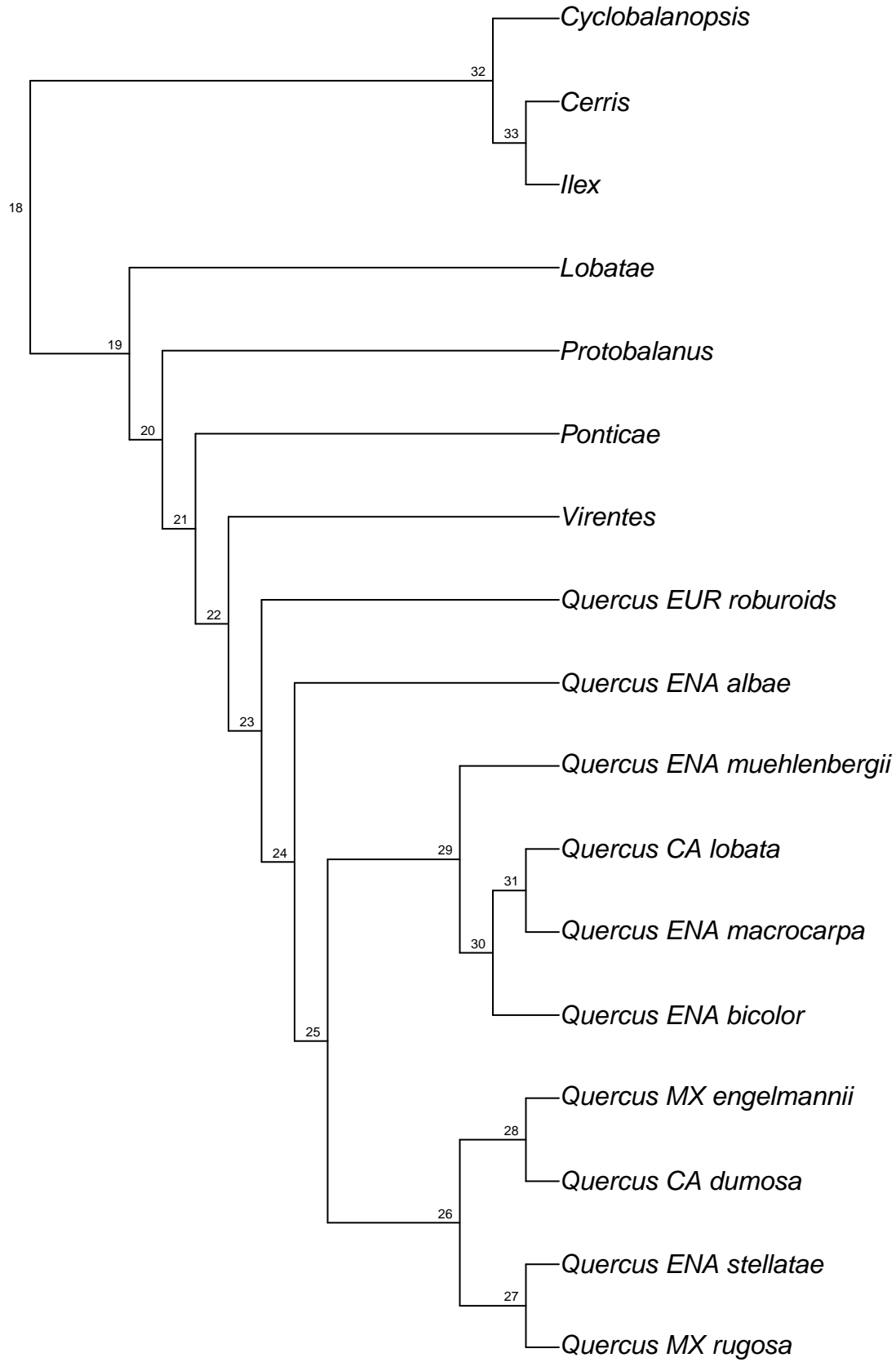
refRAD.ref\_alba\_raxml.bt083



refRAD.ref\_alba\_raxml.bt084

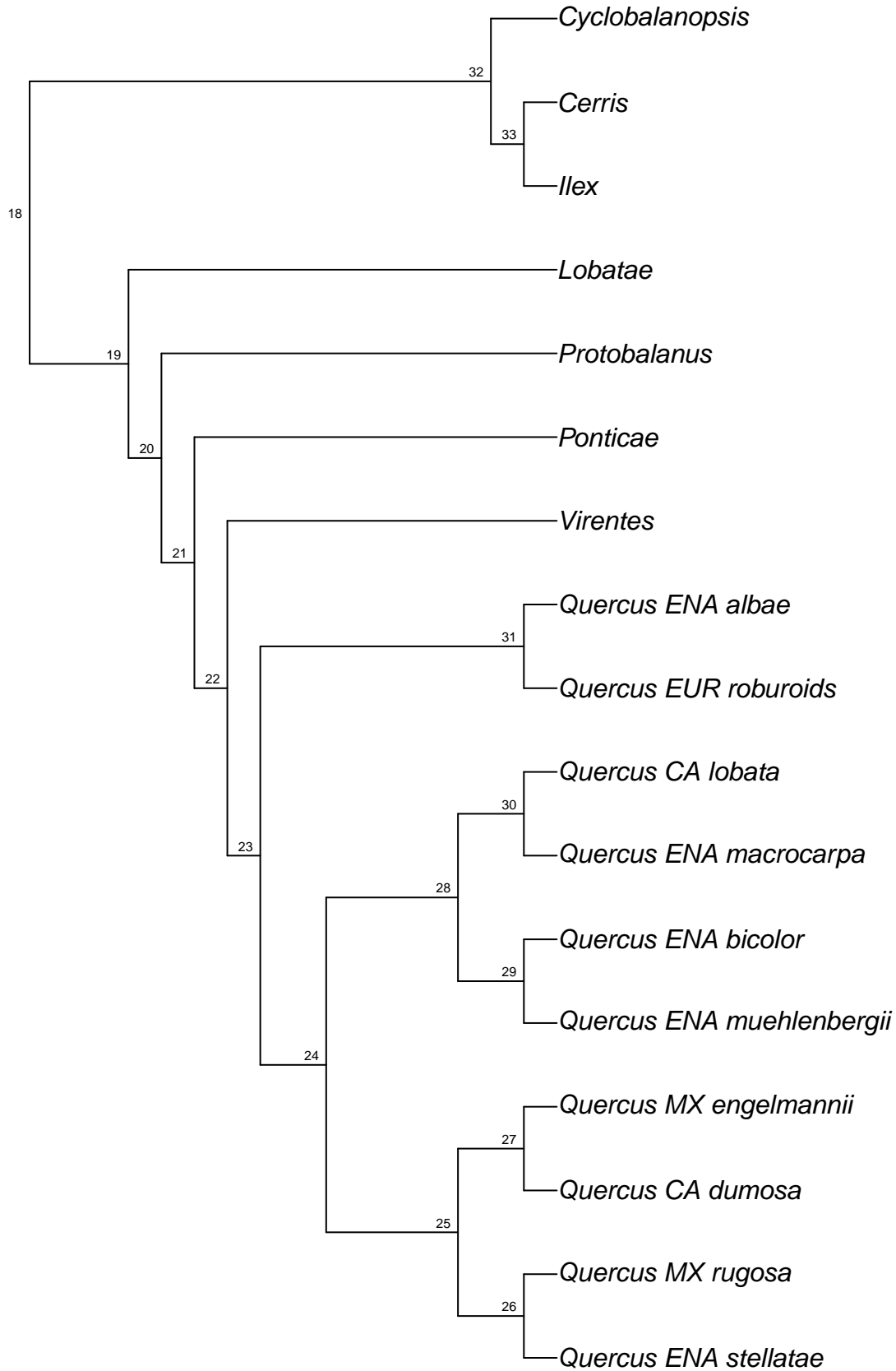


refRAD.ref\_alba\_raxml.bt085

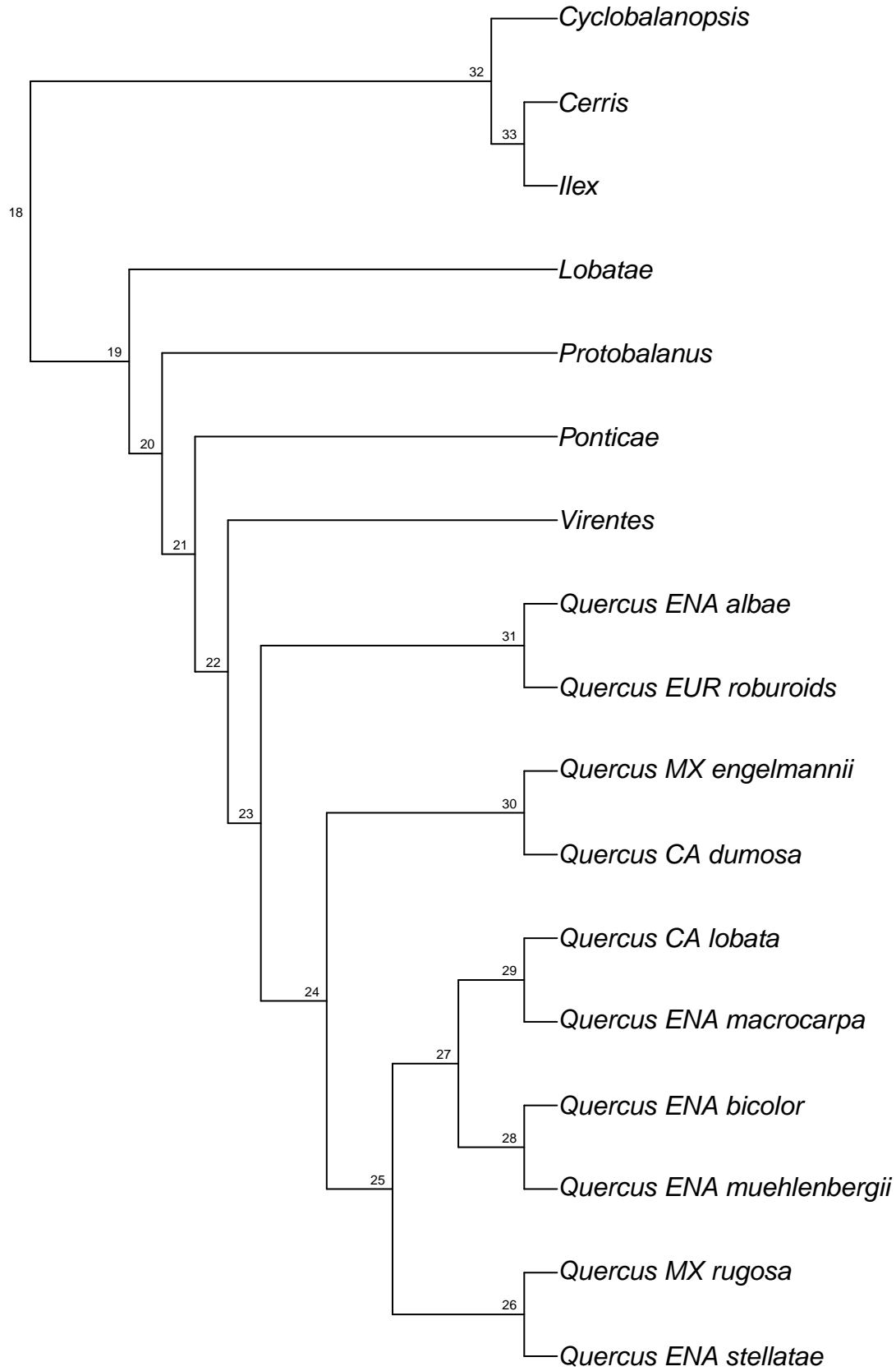




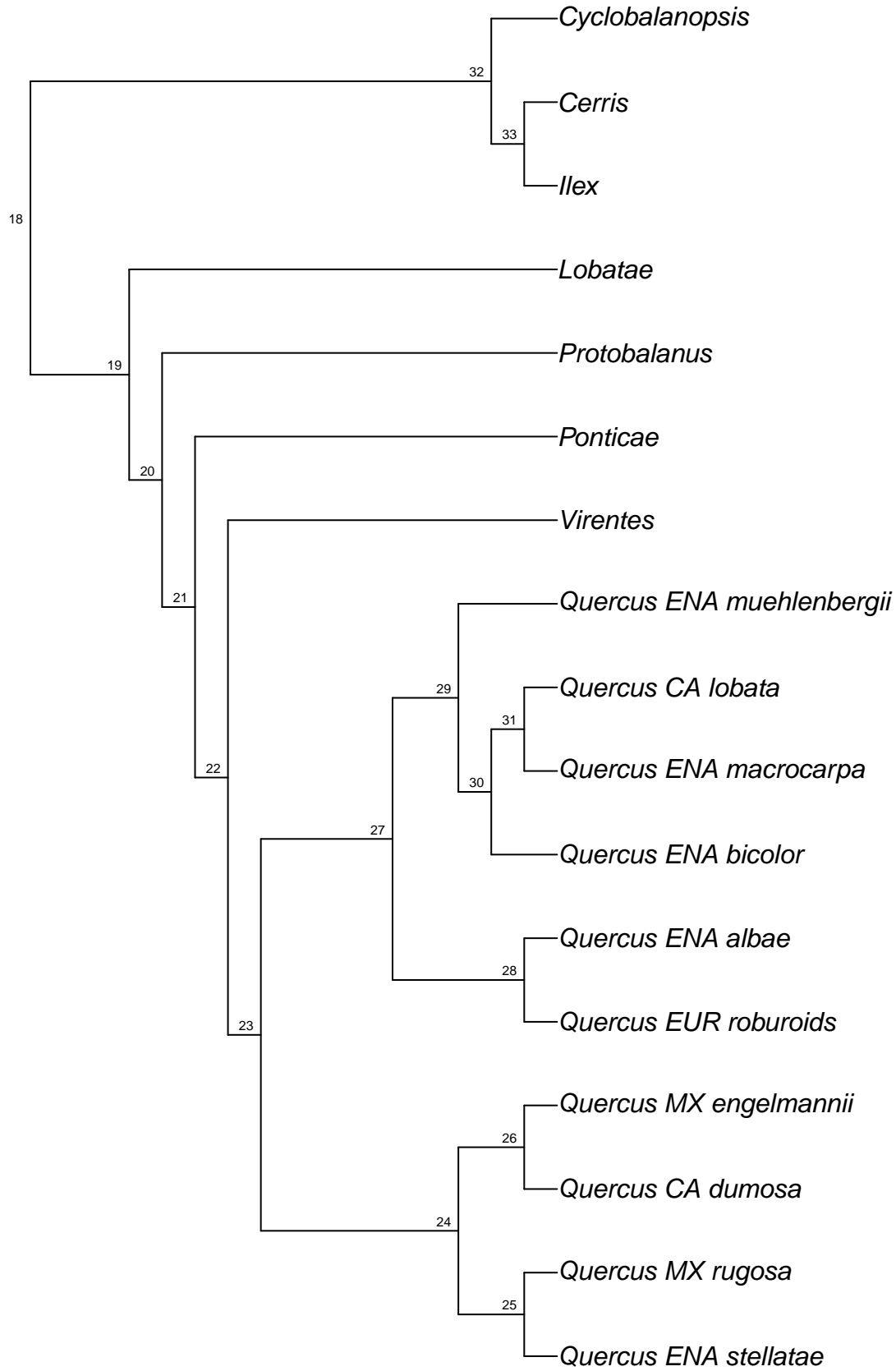
refRAD.ref\_alba\_raxml.bt086



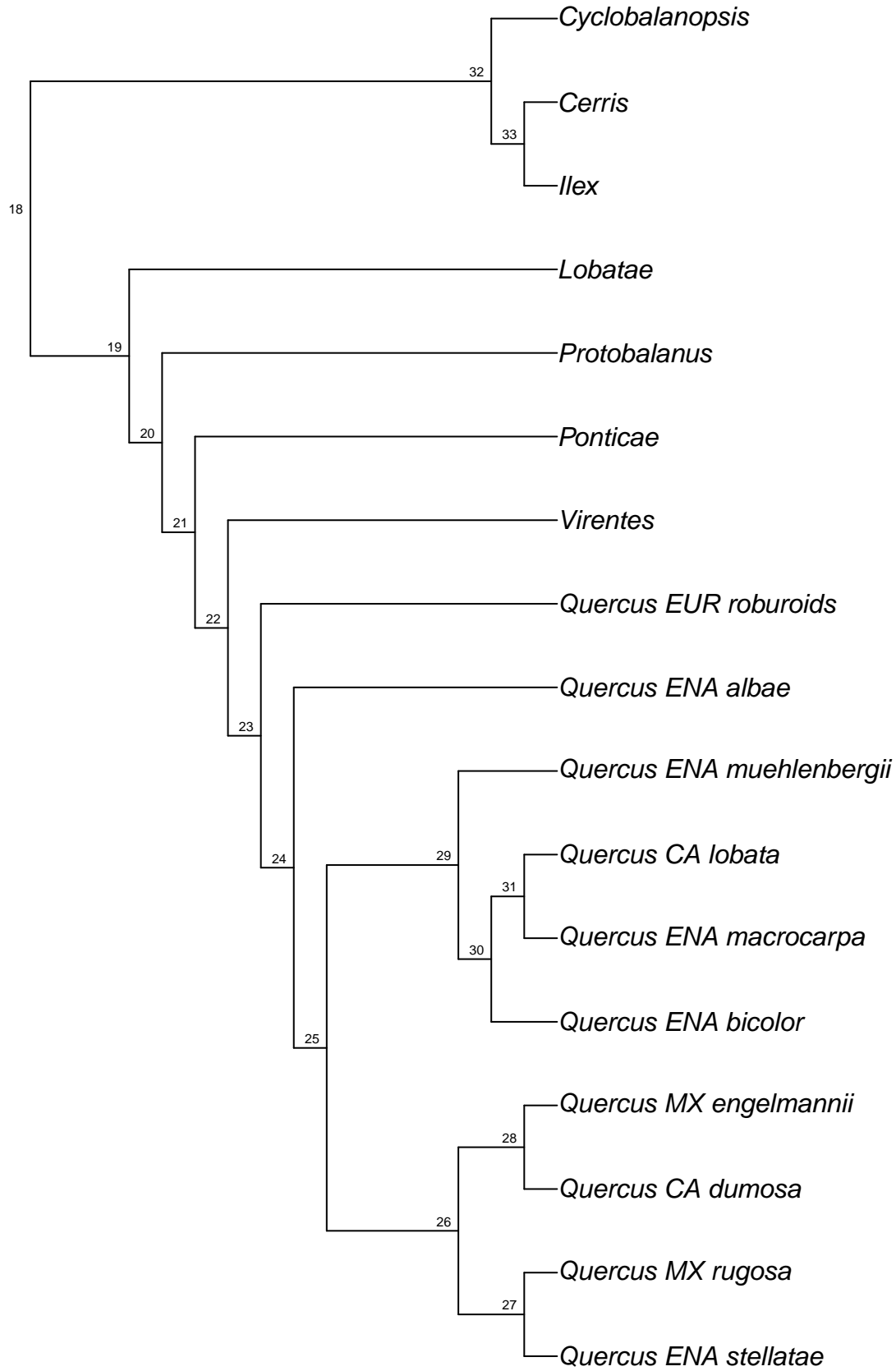
refRAD.ref\_alba\_raxml.bt087



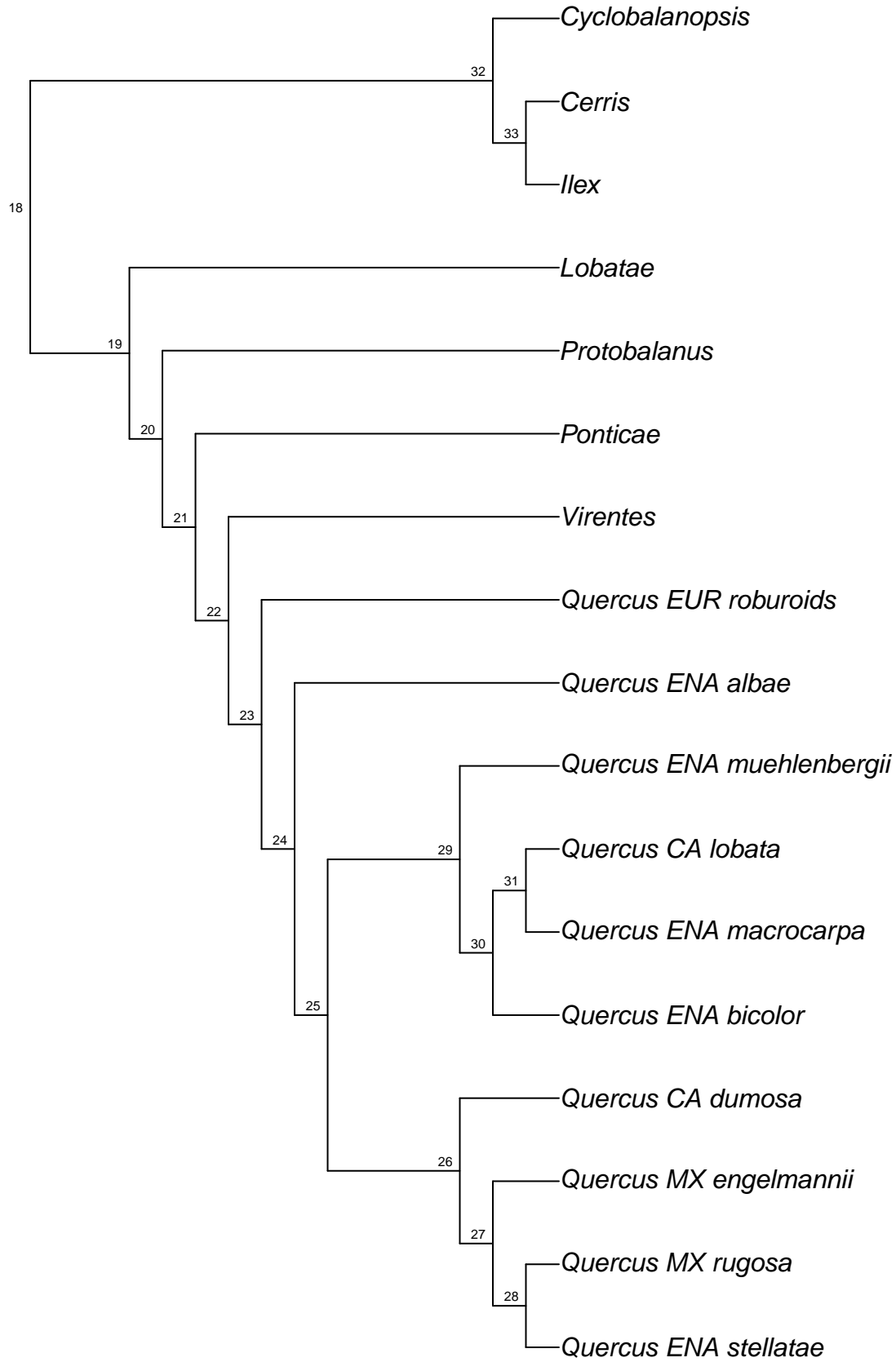
refRAD.ref\_alba\_raxml.bt088



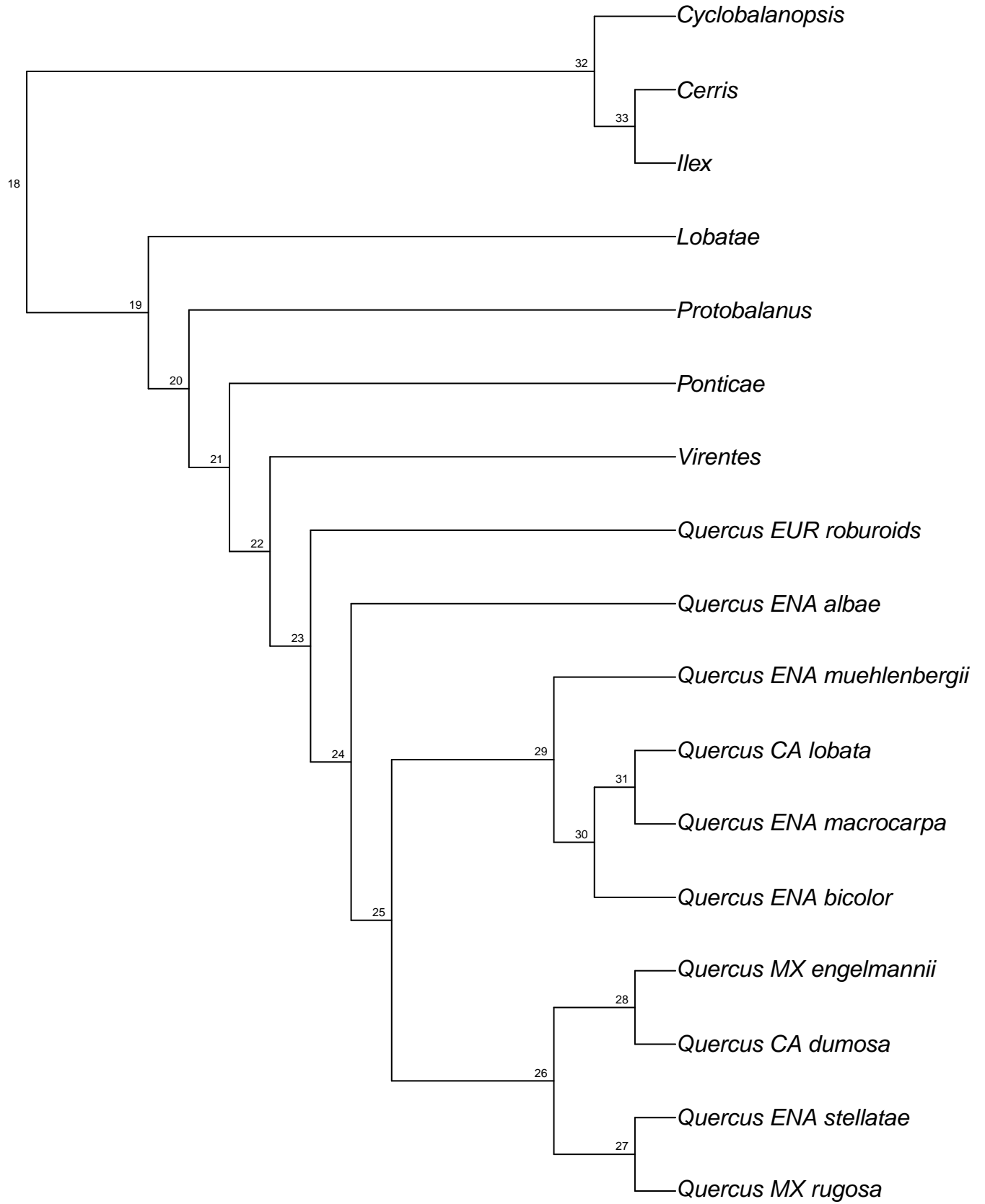
refRAD.ref\_alba\_raxml.bt089



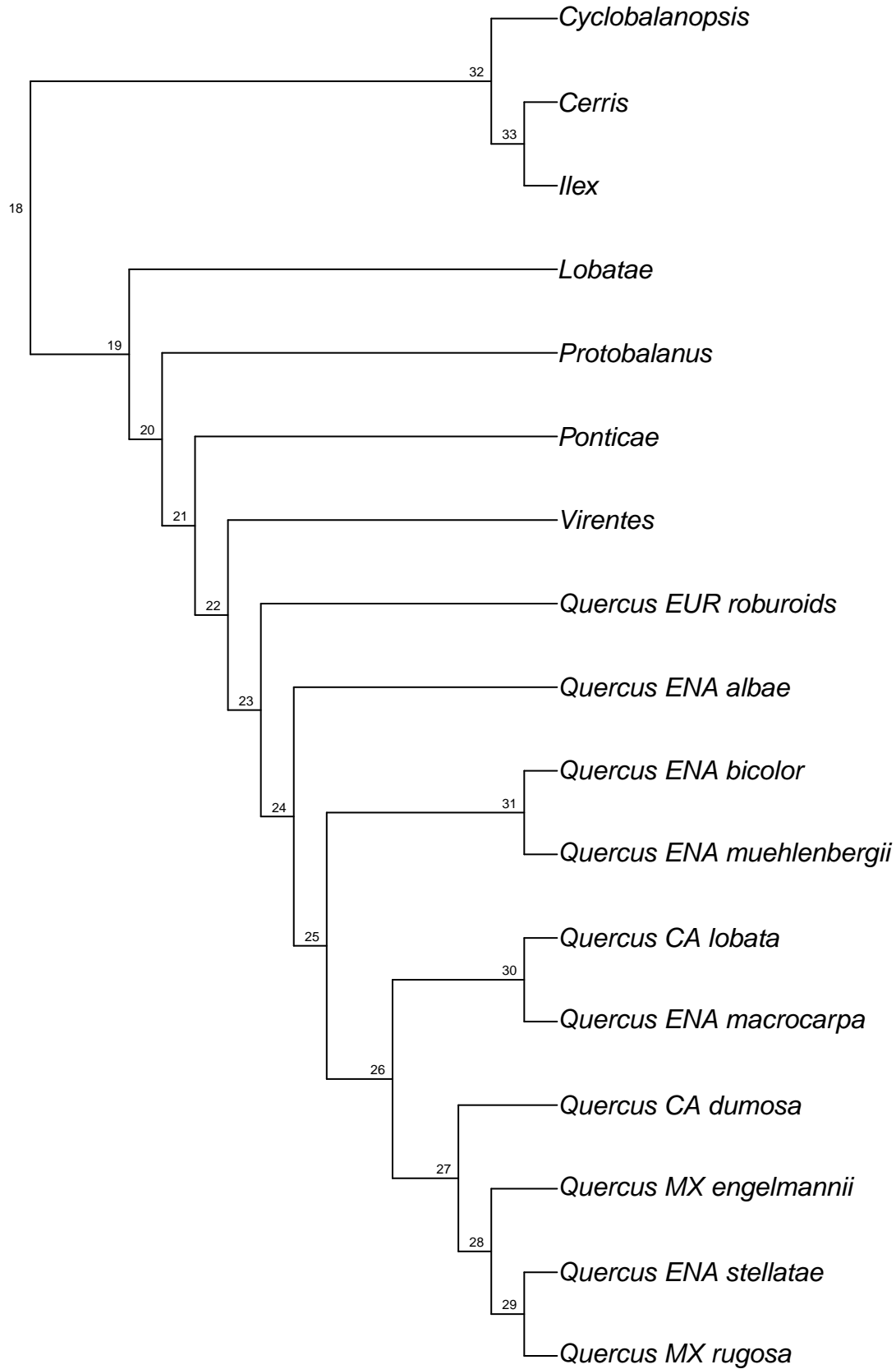
refRAD.ref\_alba\_raxml.bt090



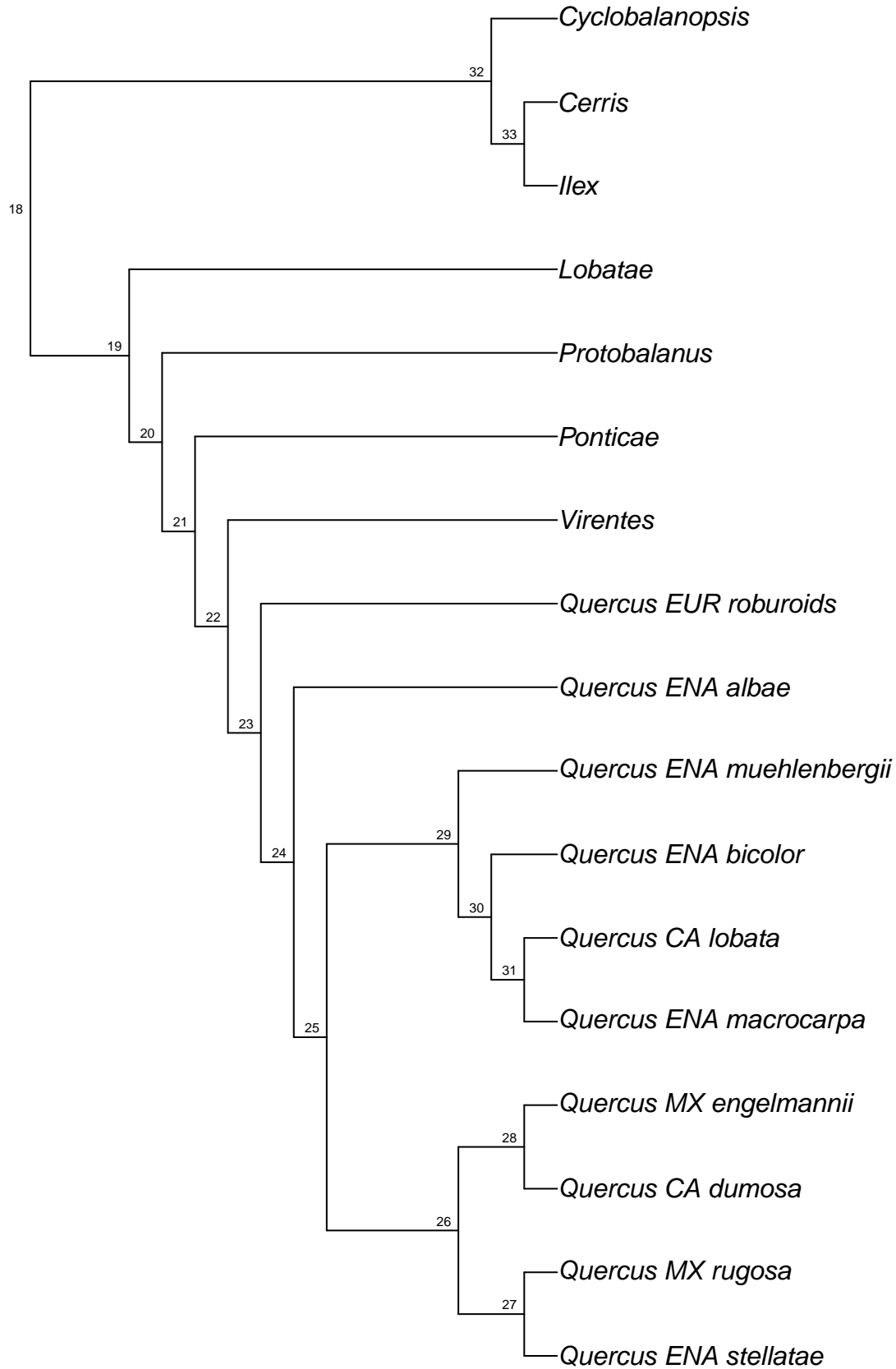
refRAD.ref\_alba\_raxml.bt091



refRAD.ref\_alba\_raxml.bt092

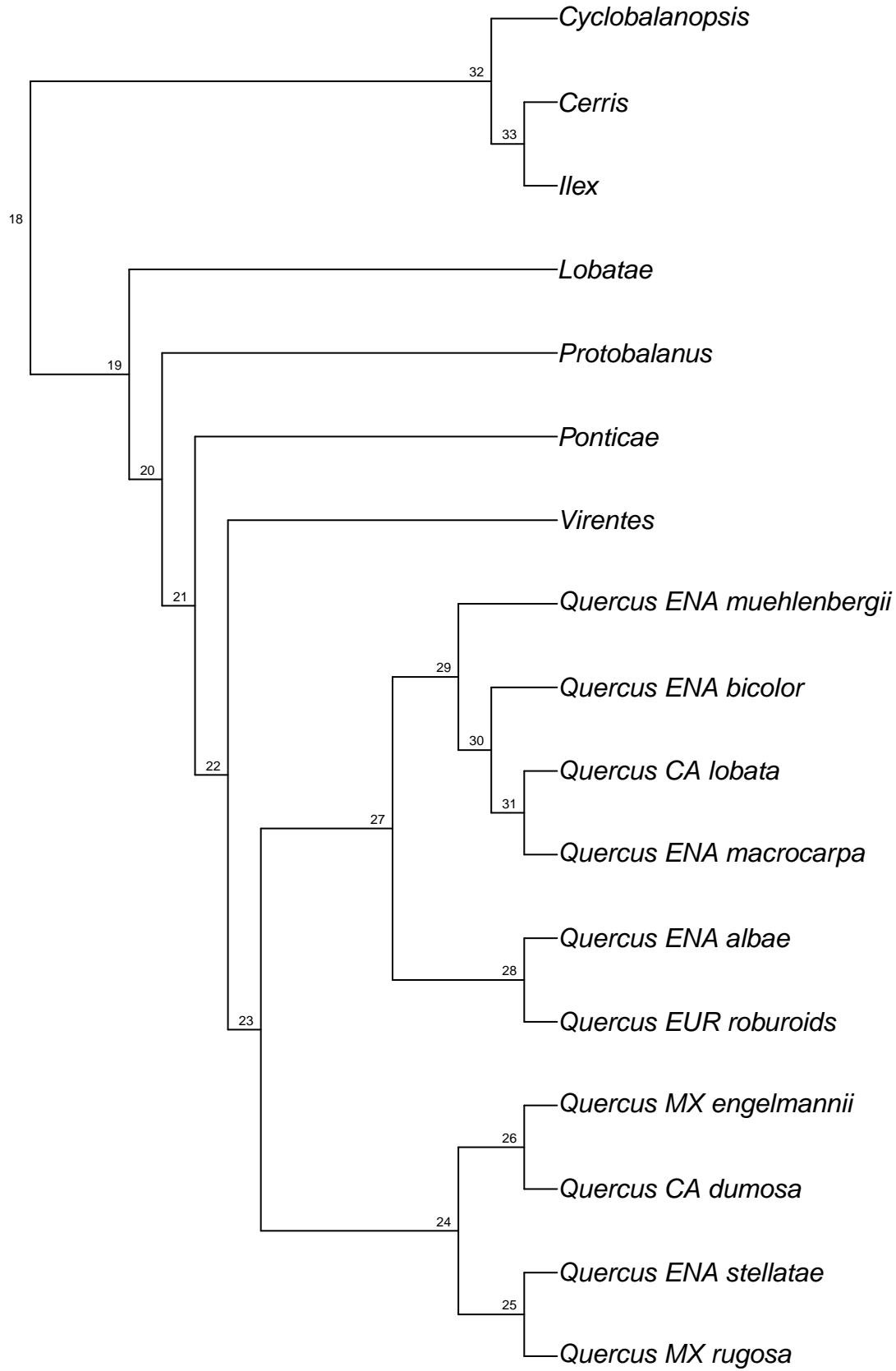


refRAD.ref\_alba\_raxml.bt093

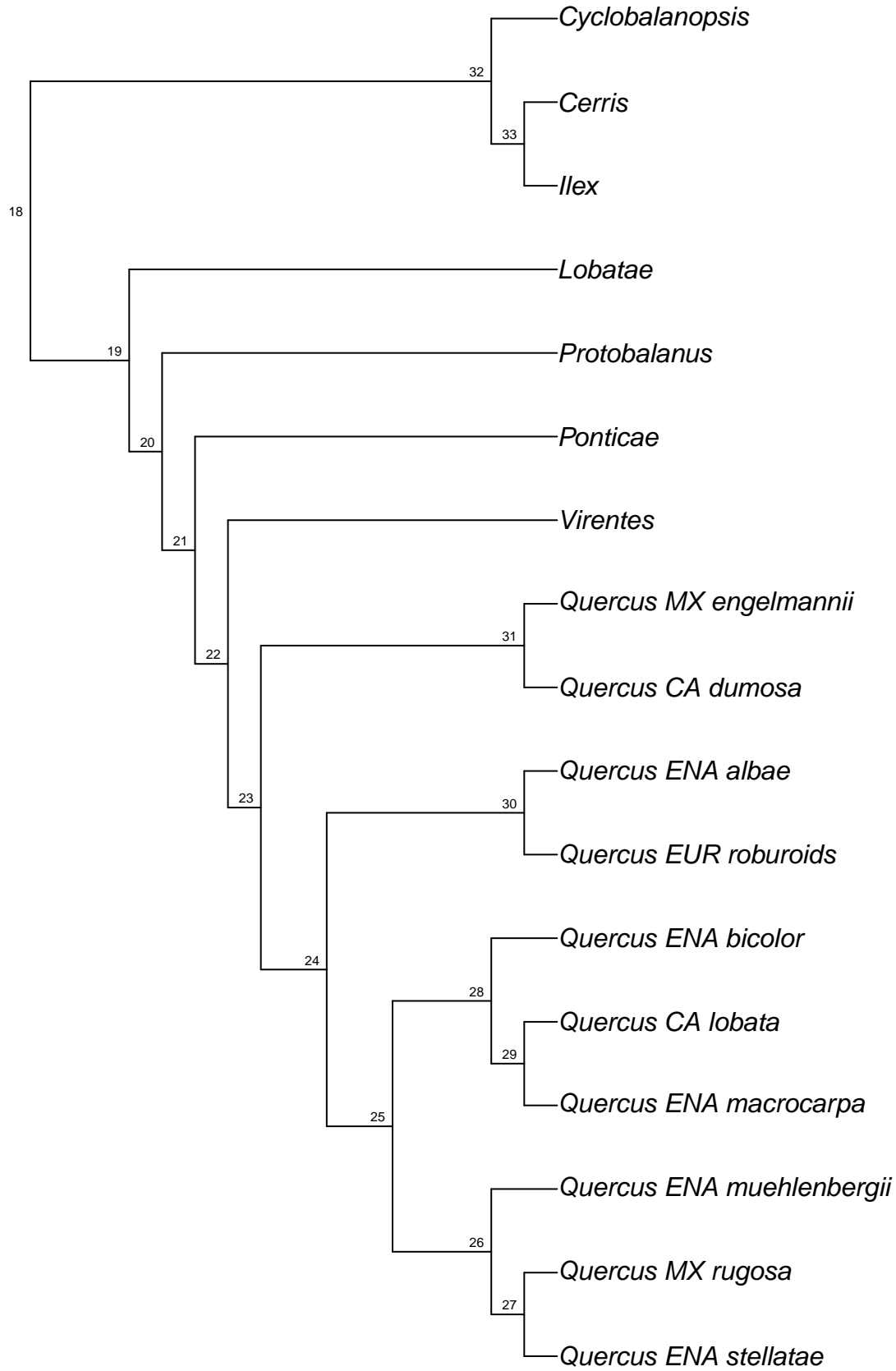




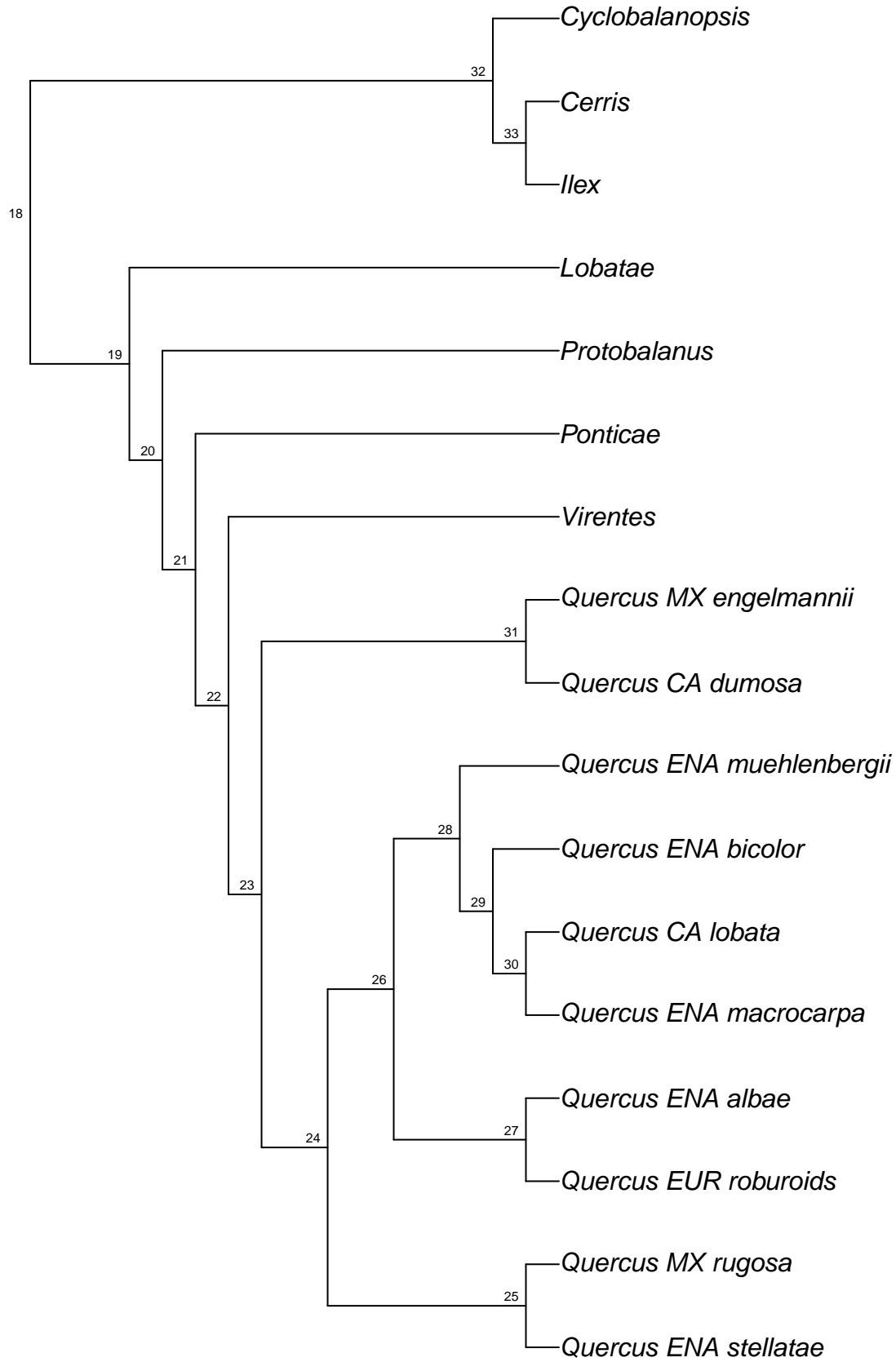
refRAD.ref\_alba\_raxml.bt094



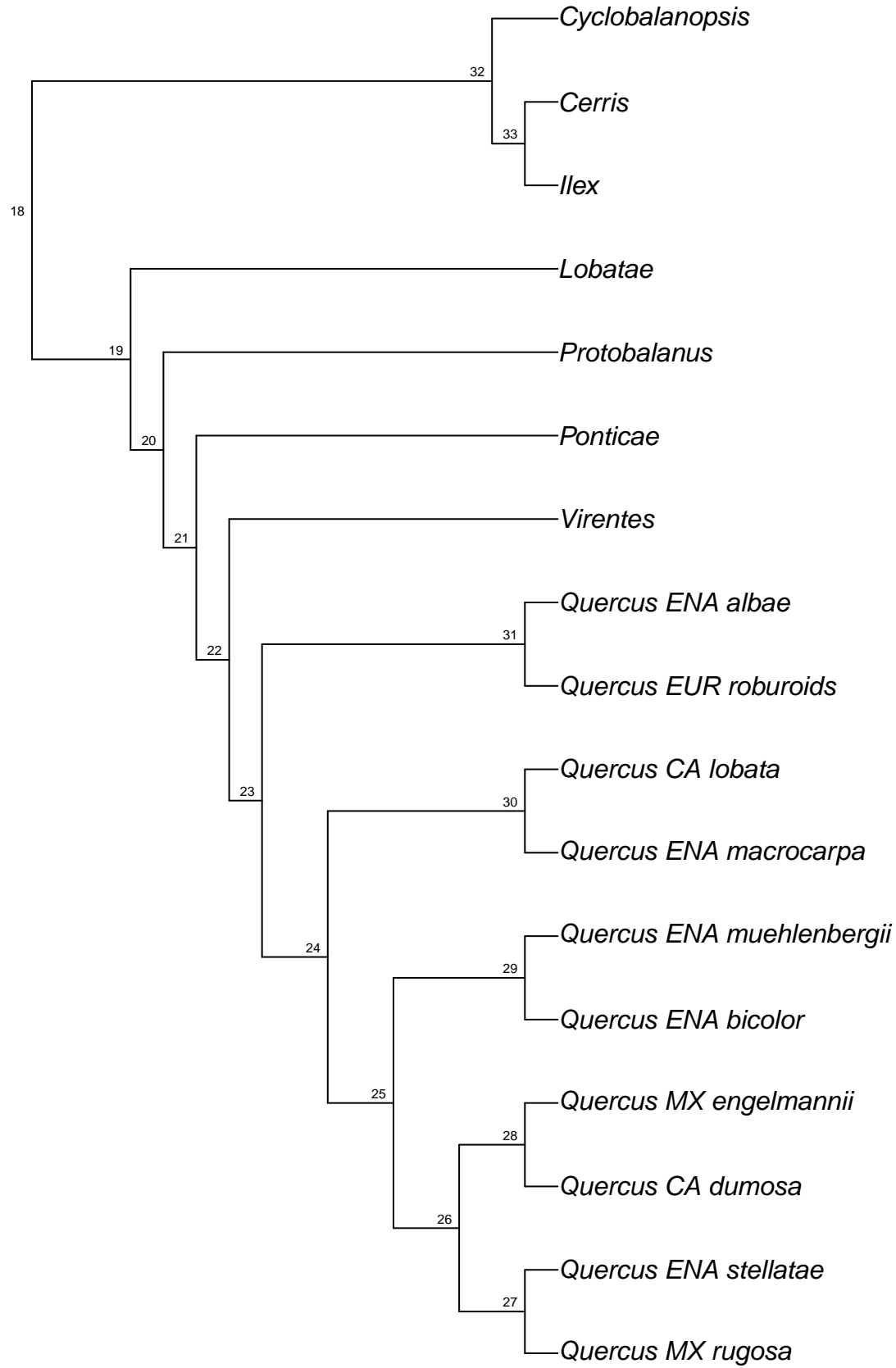
refRAD.ref\_alba\_raxml.bt095



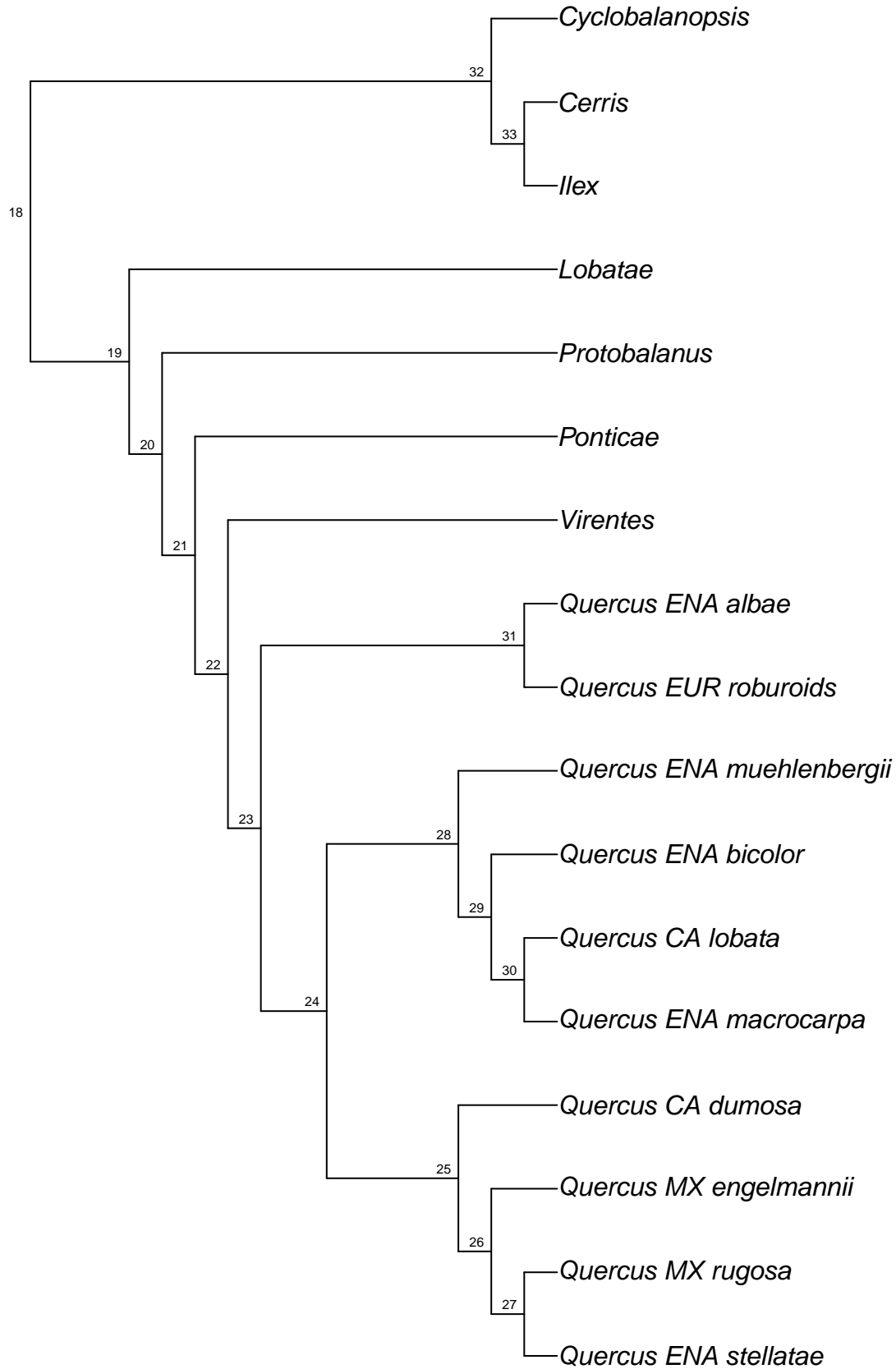
refRAD.ref\_alba\_raxml.bt096



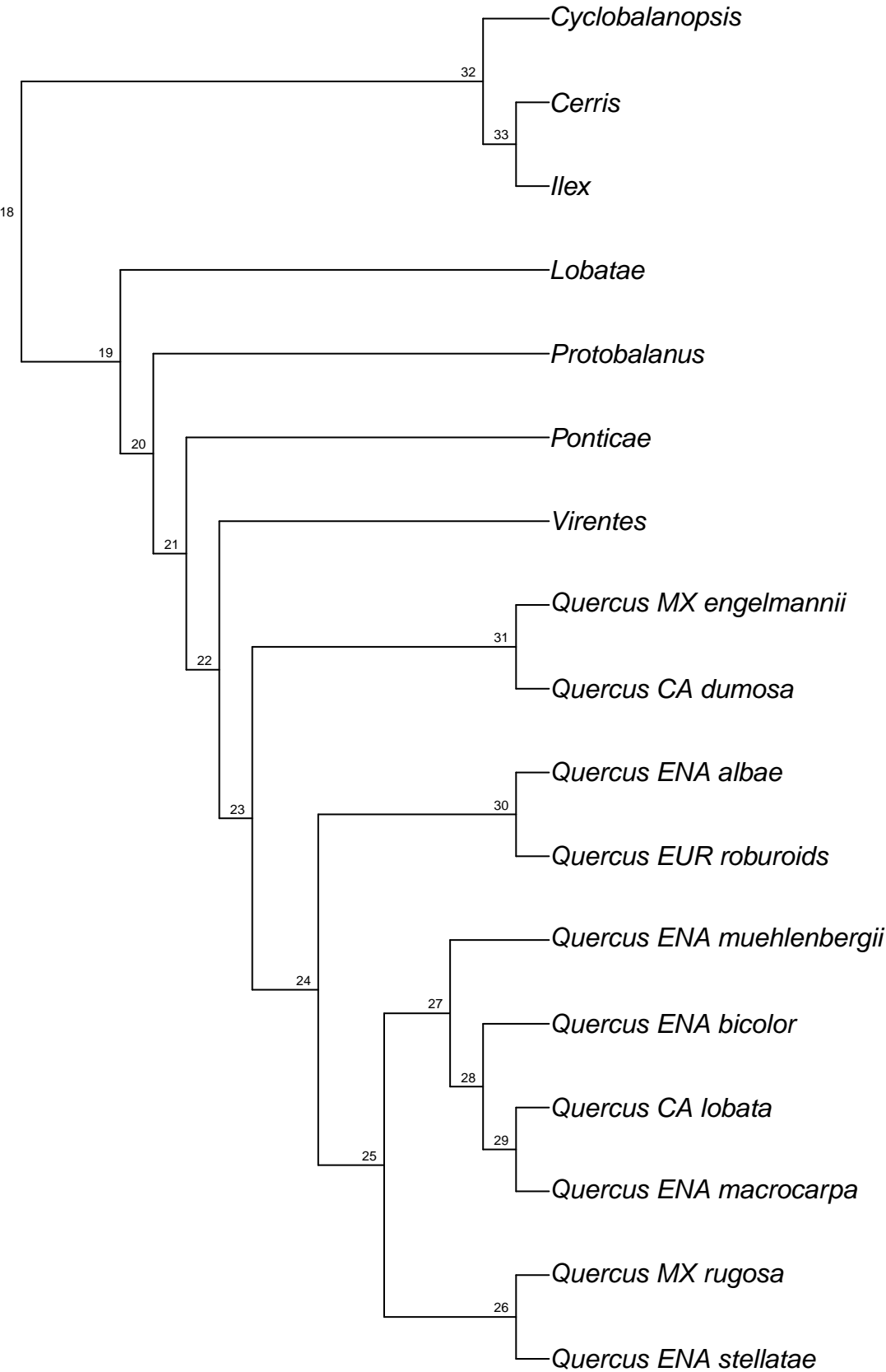
refRAD.ref\_alba\_raxml.bt097



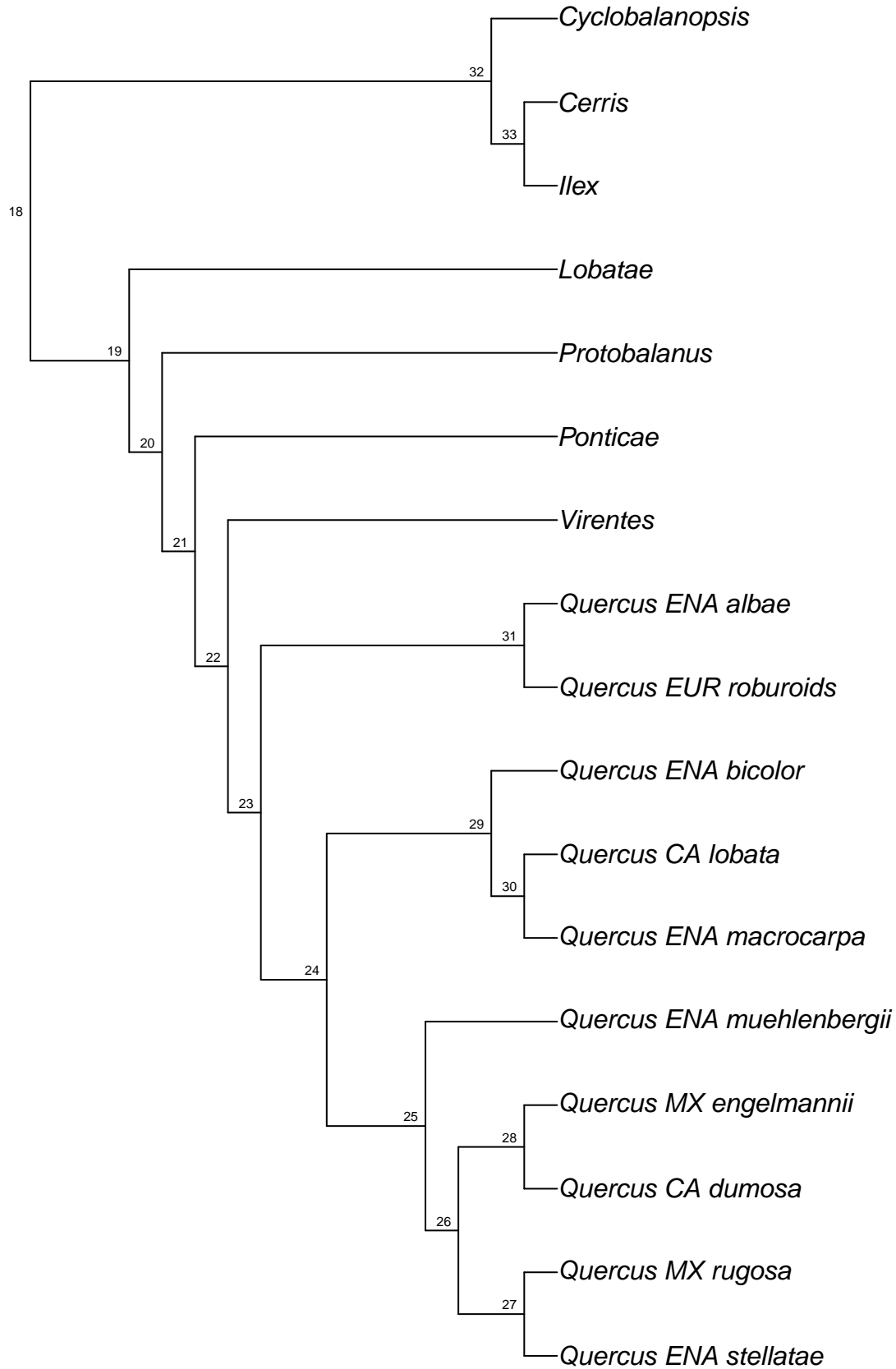
refRAD.ref\_alba\_raxml.bt098



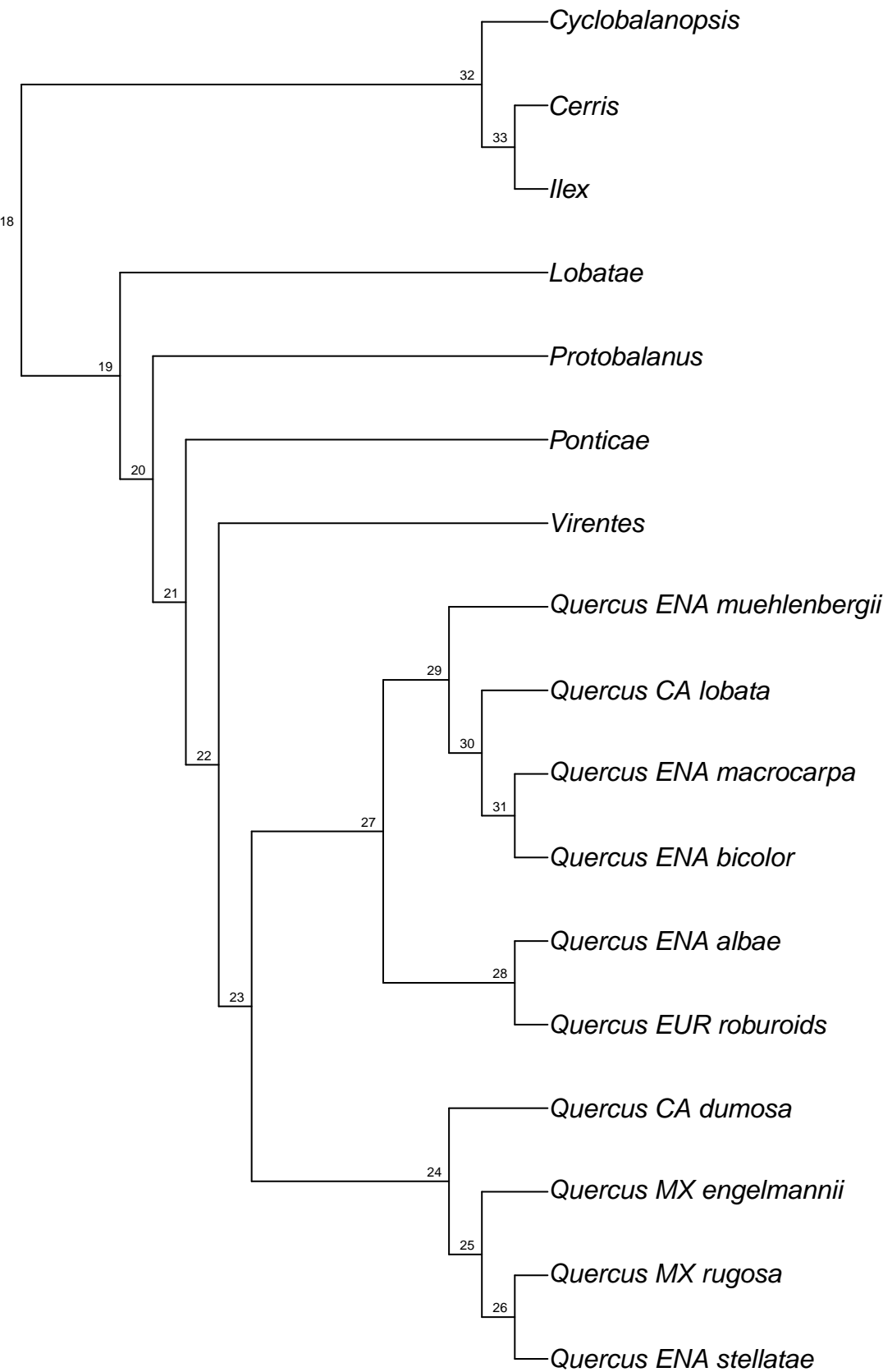
refRAD.ref\_alba\_raxml.bt099



refRAD.ref\_alba\_raxml.bt100

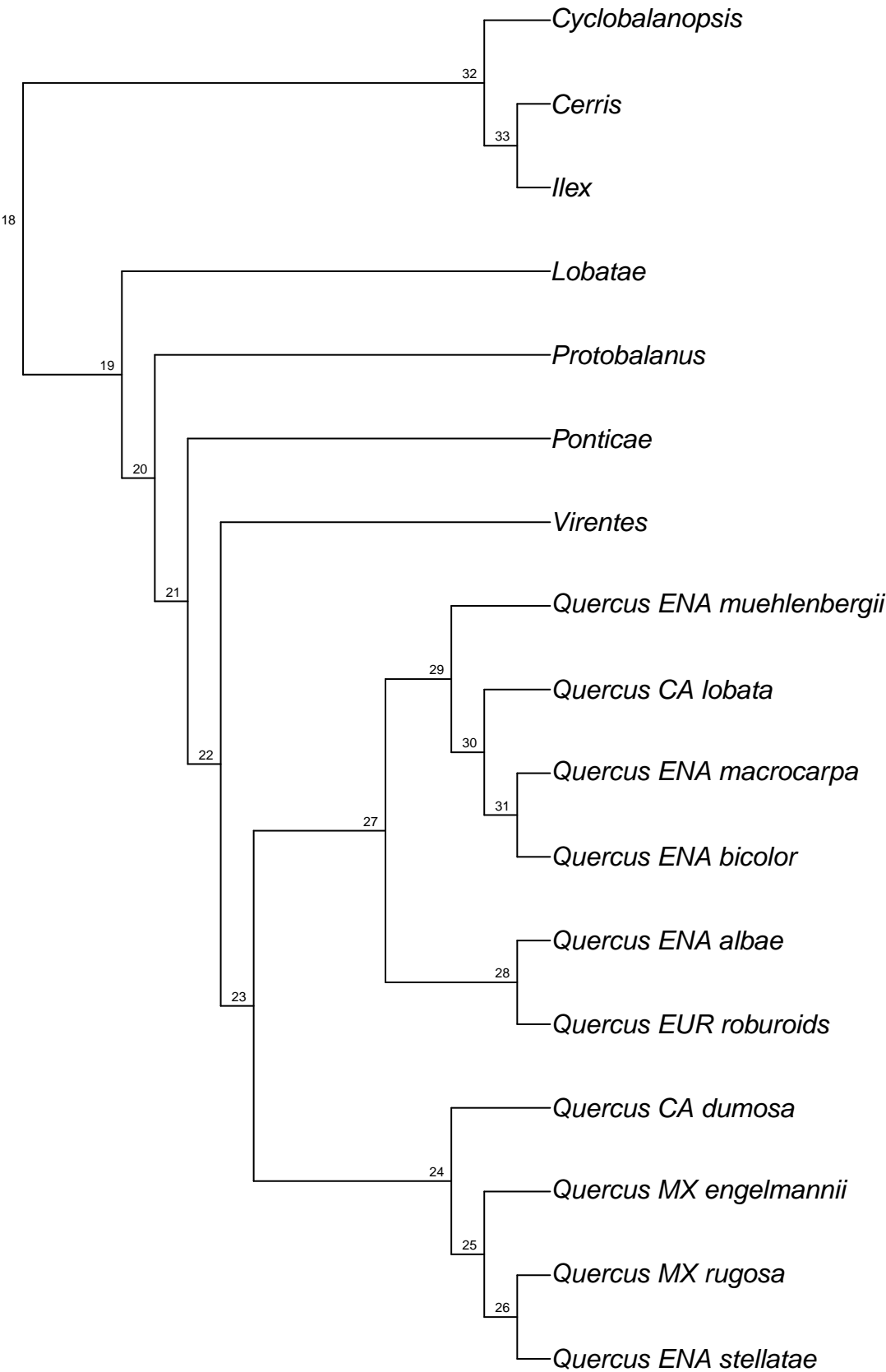


refRAD.ref\_glauca\_raxml.bt001

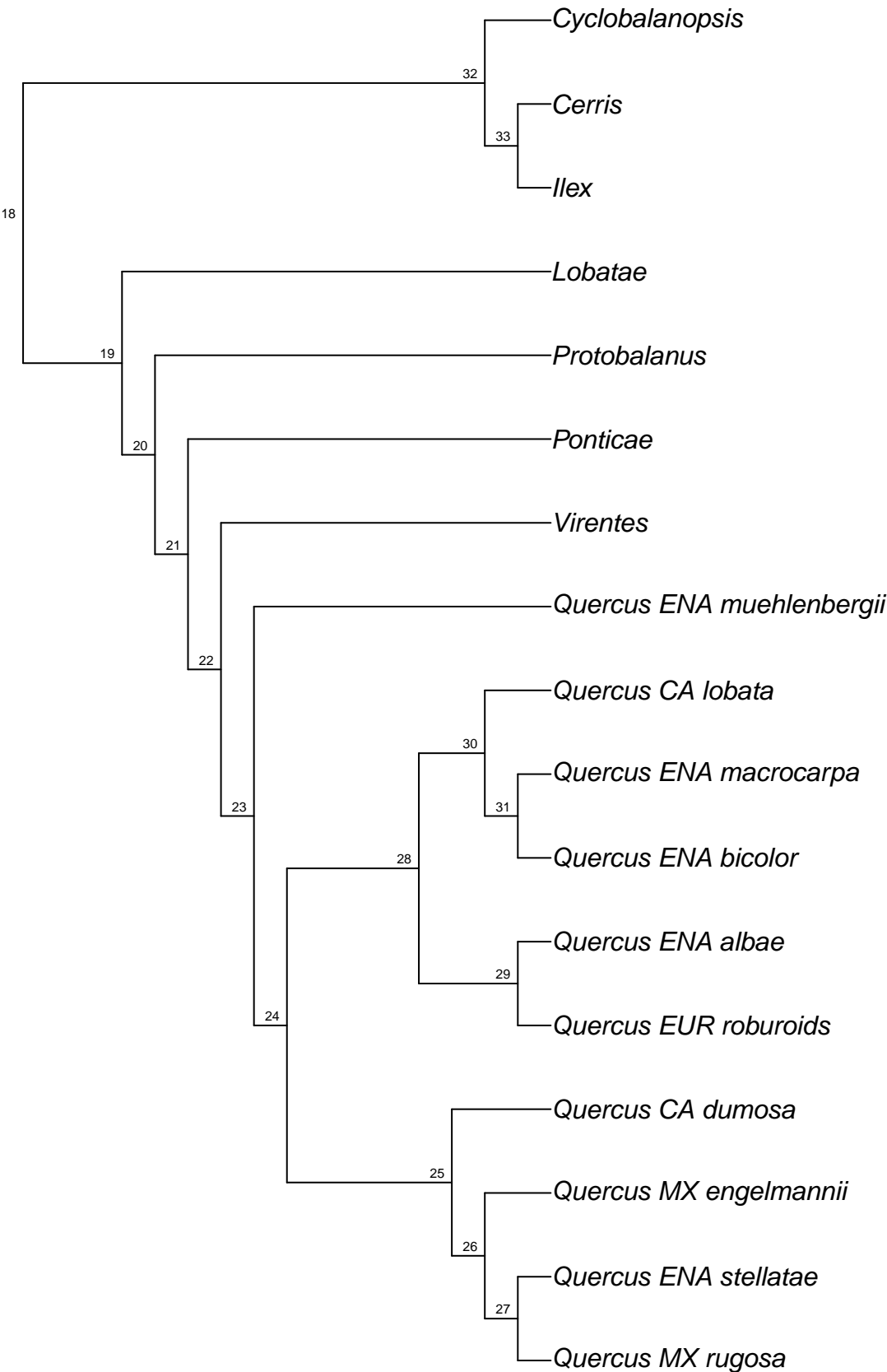


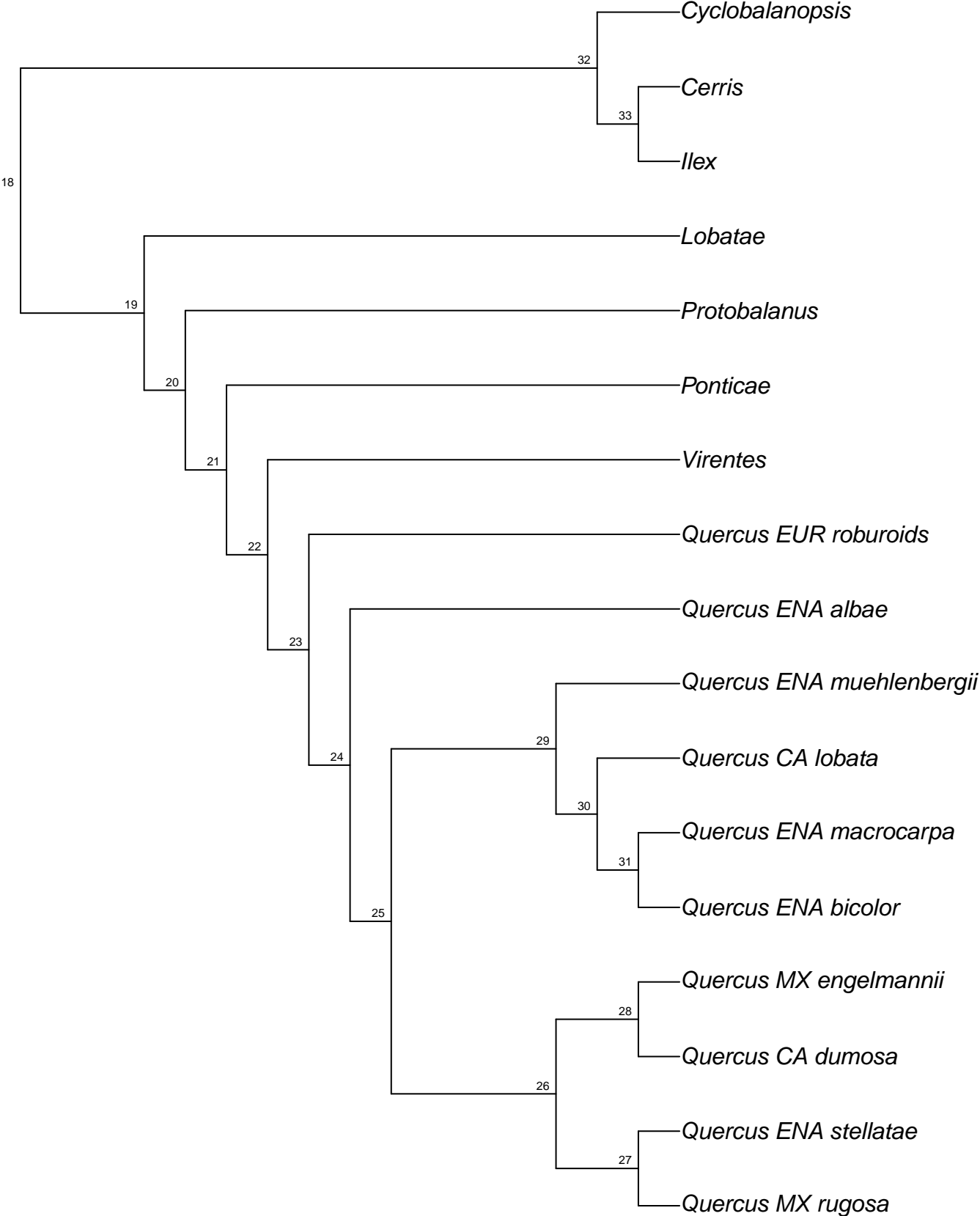


refRAD.ref\_glauca\_raxml.bt002

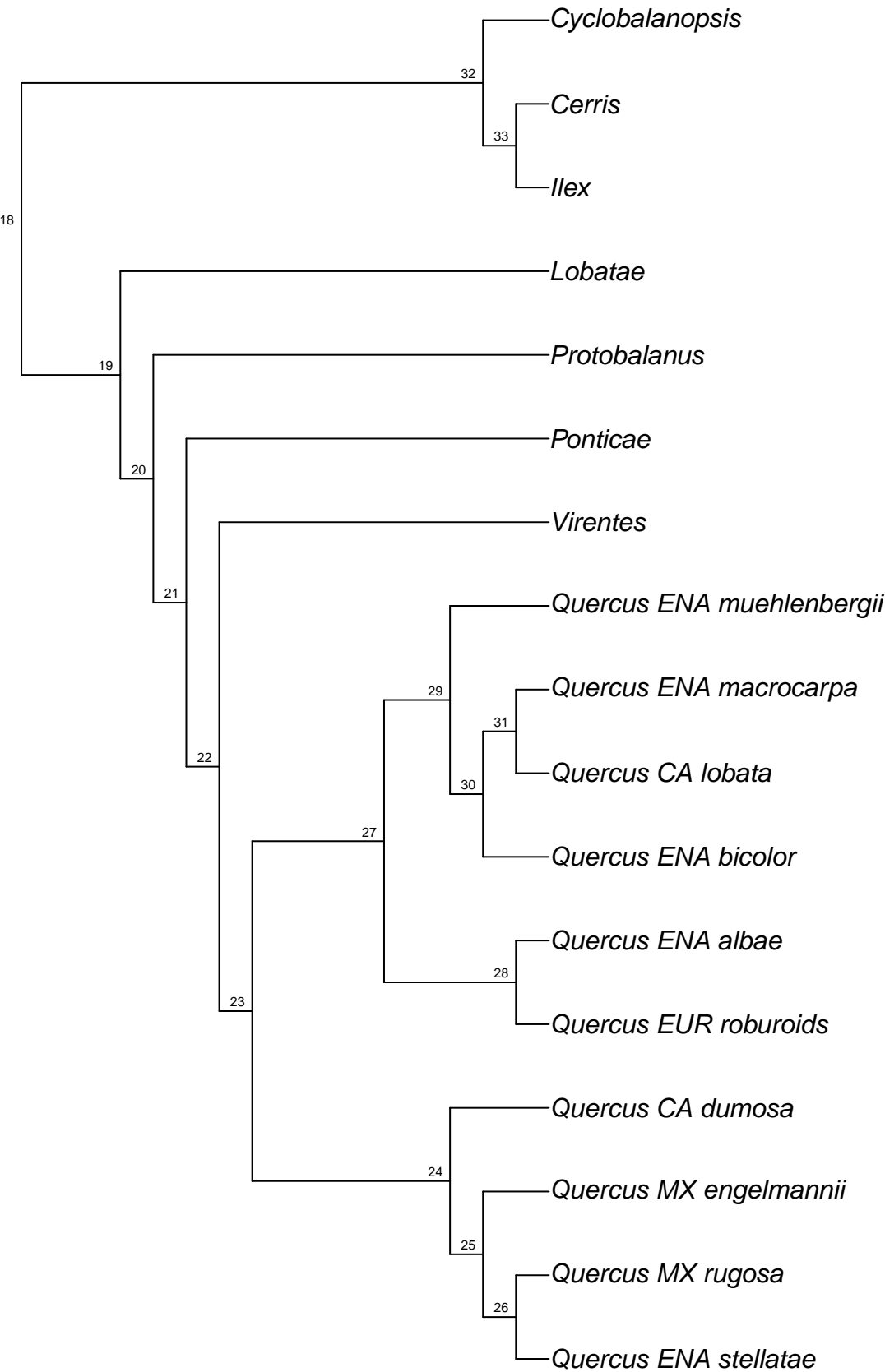


refRAD.ref\_glauca\_raxml.bt003

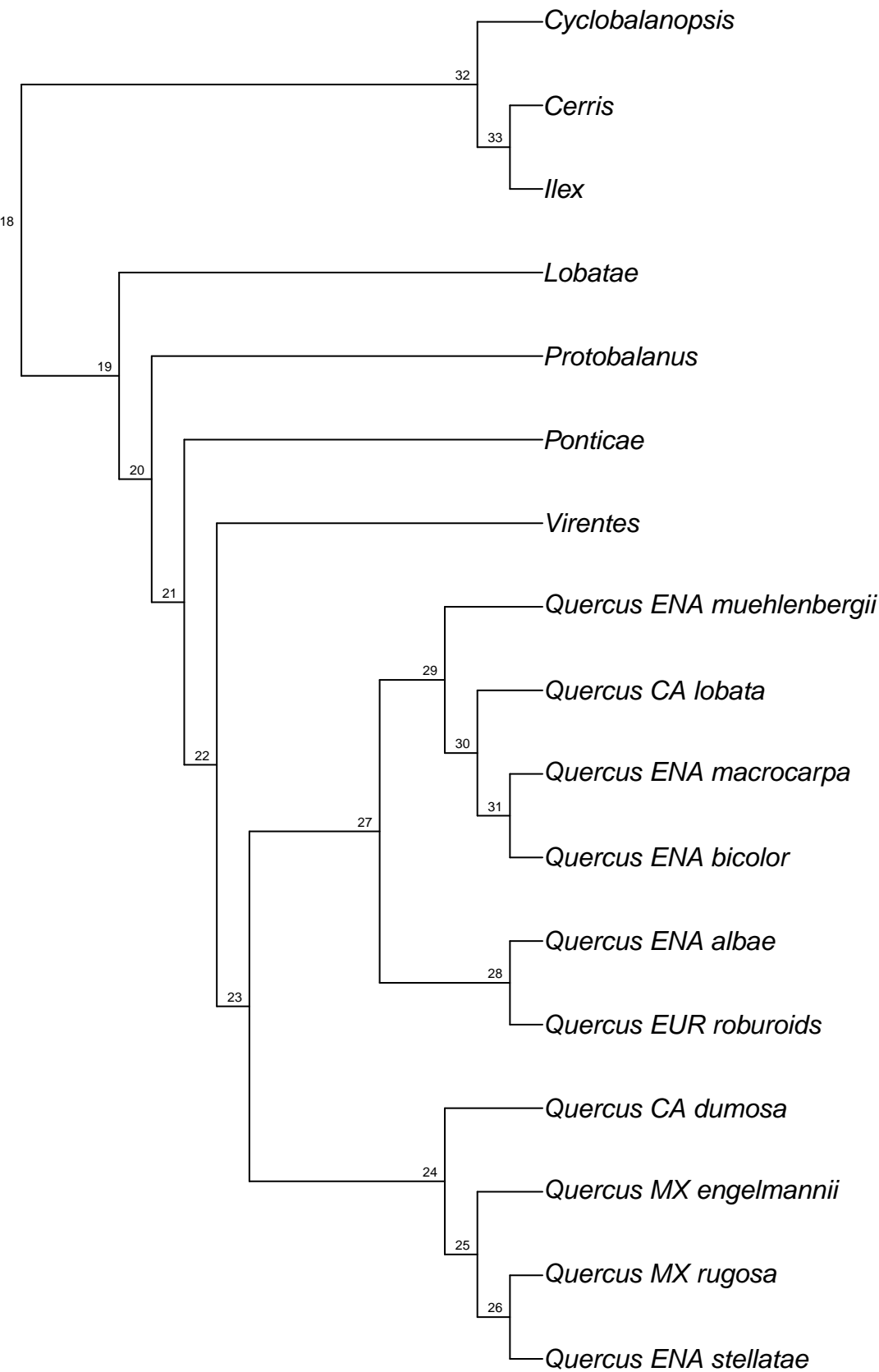




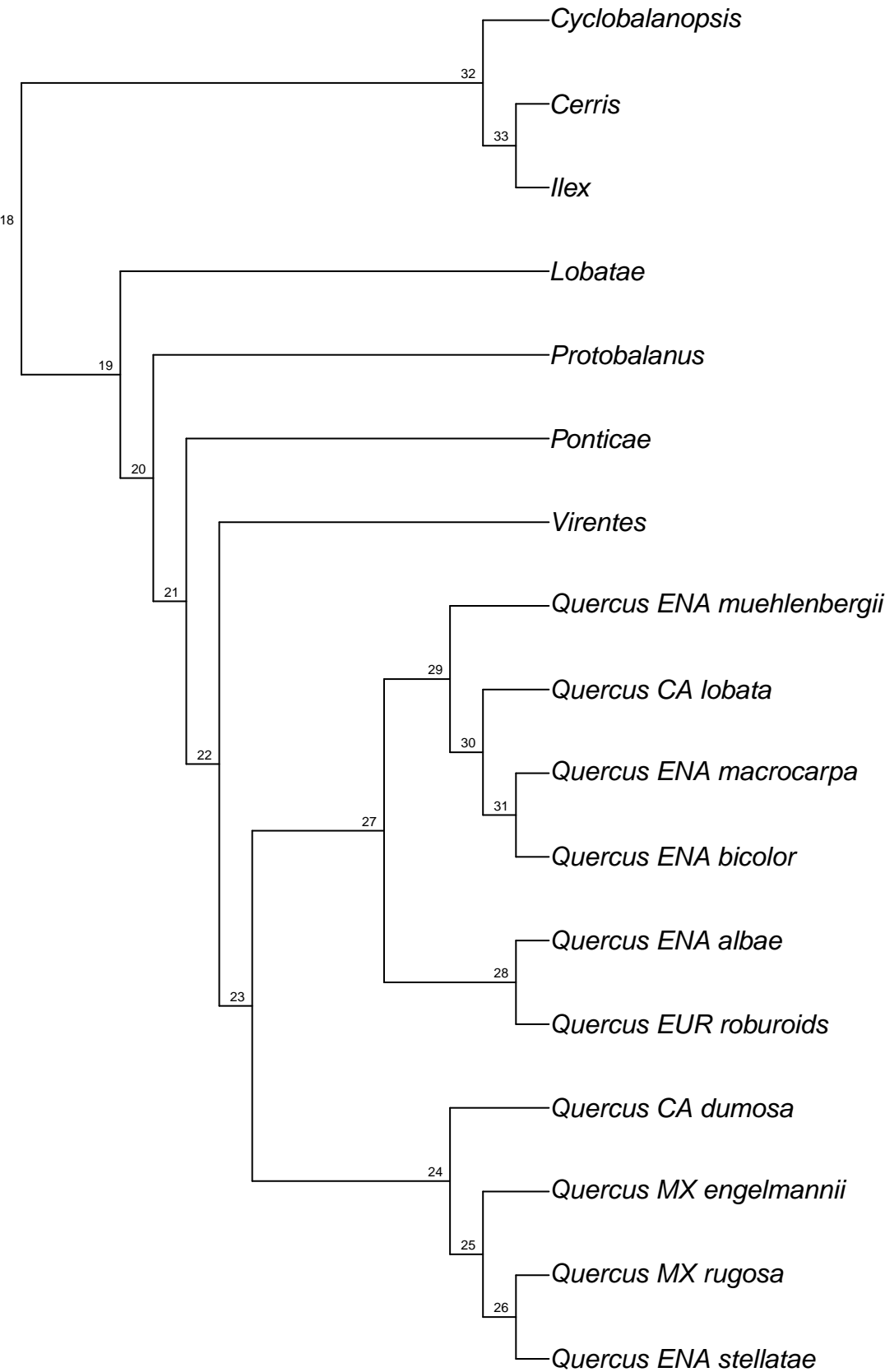
refRAD.ref\_glauca\_raxml.bt005



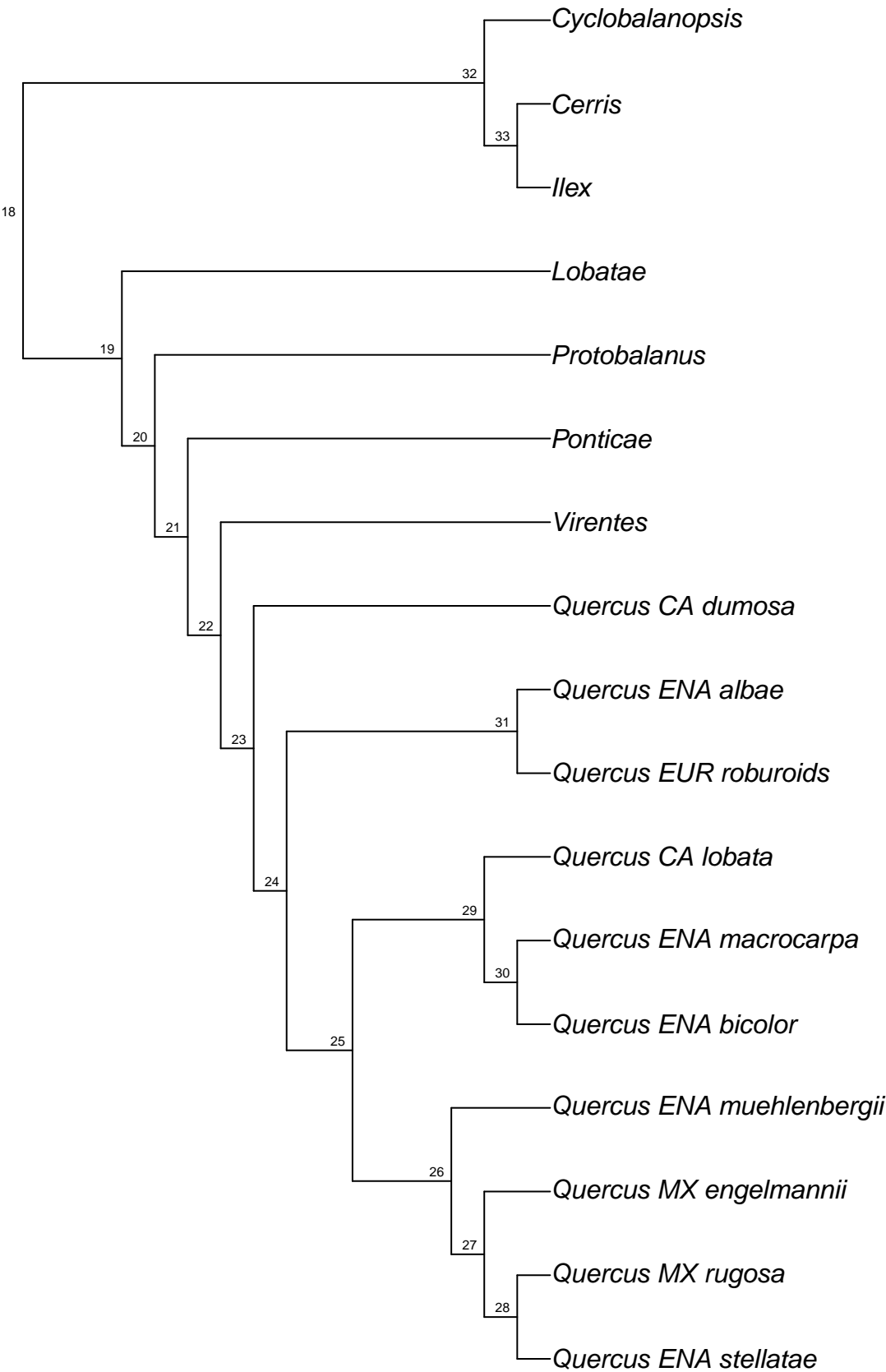
refRAD.ref\_glauca\_raxml.bt006



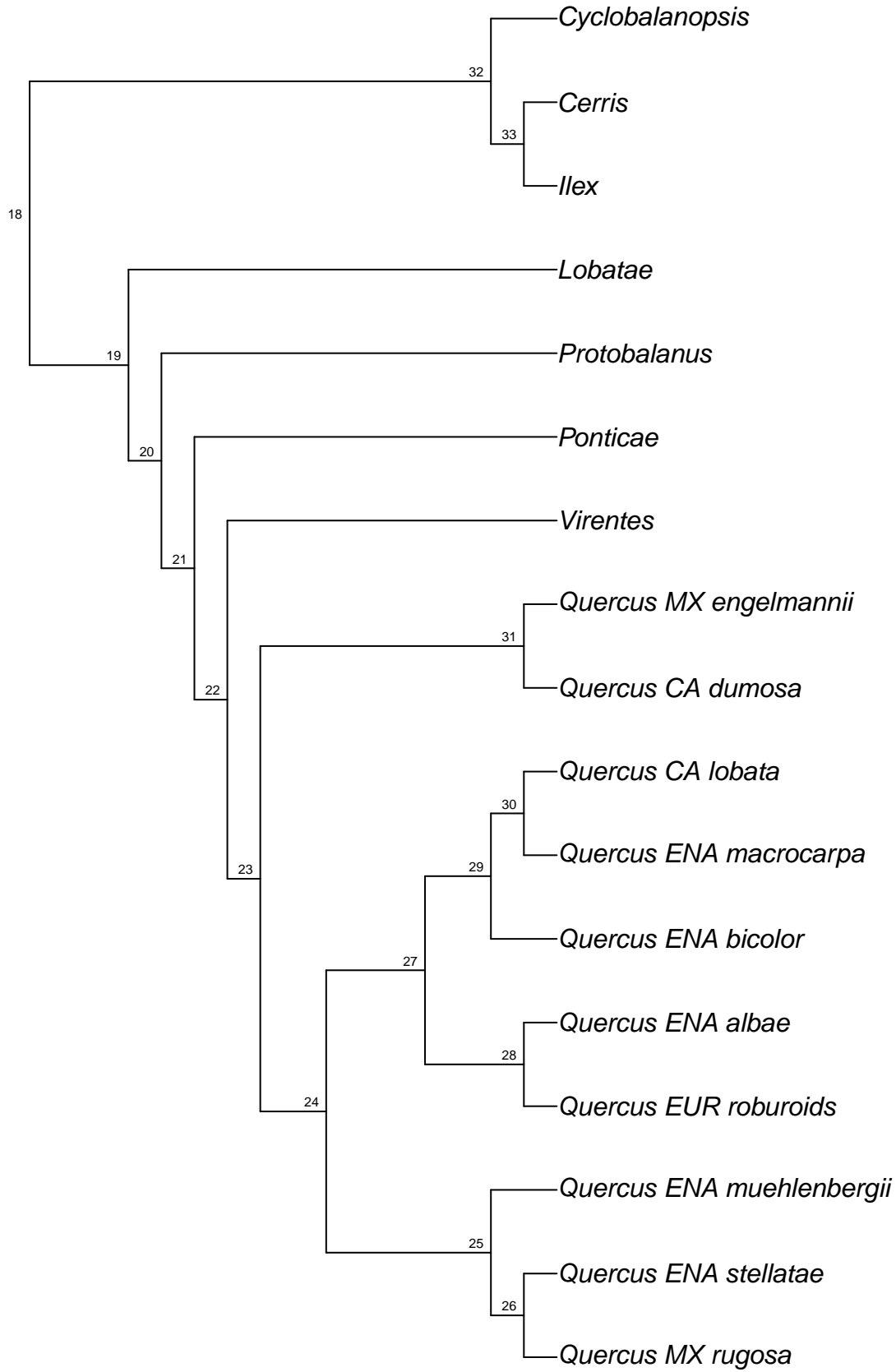
refRAD.ref\_glauca\_raxml.bt007



refRAD.ref\_glauca\_raxml.bt008

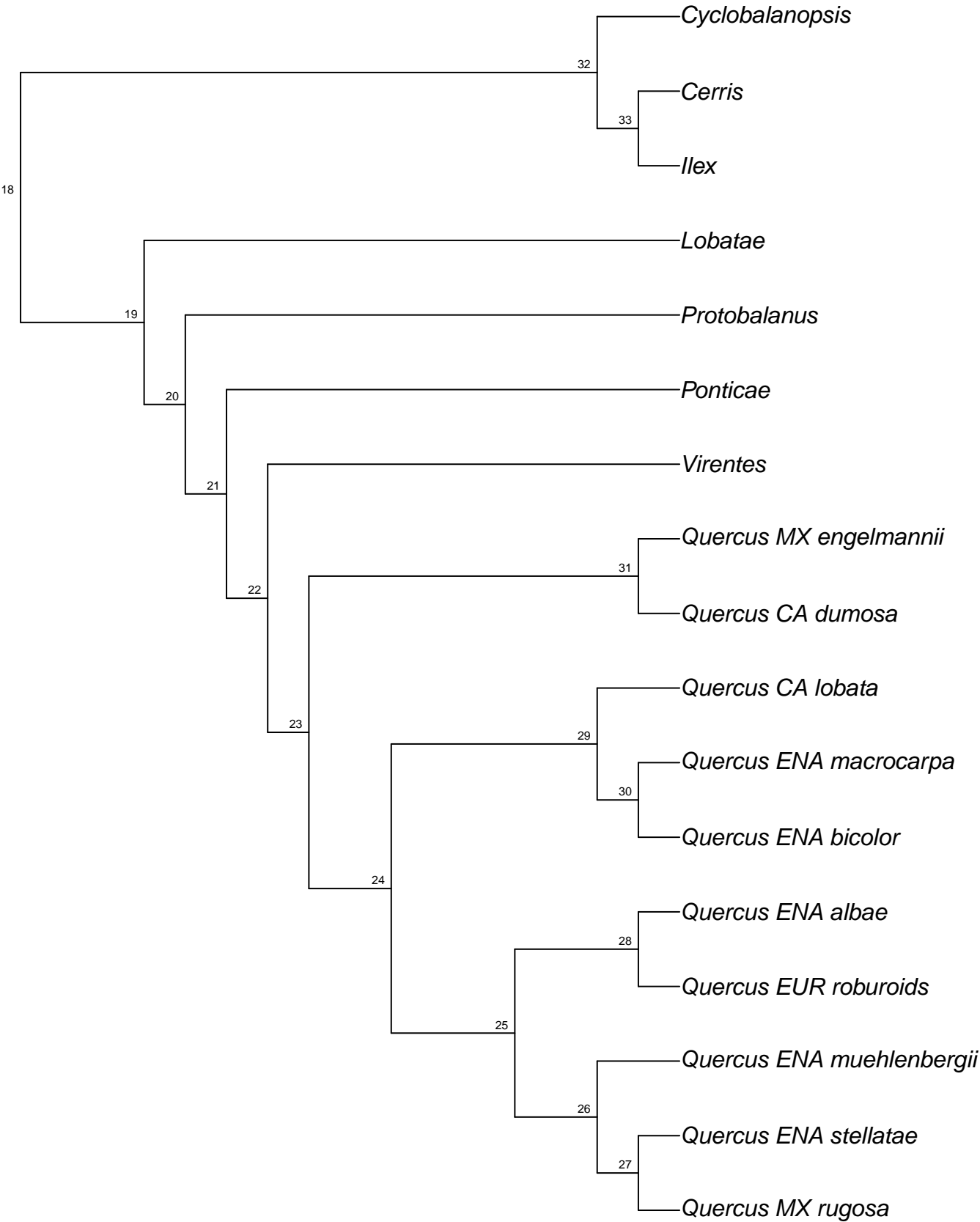


## refRAD.ref\_glauca\_raxml.bt009





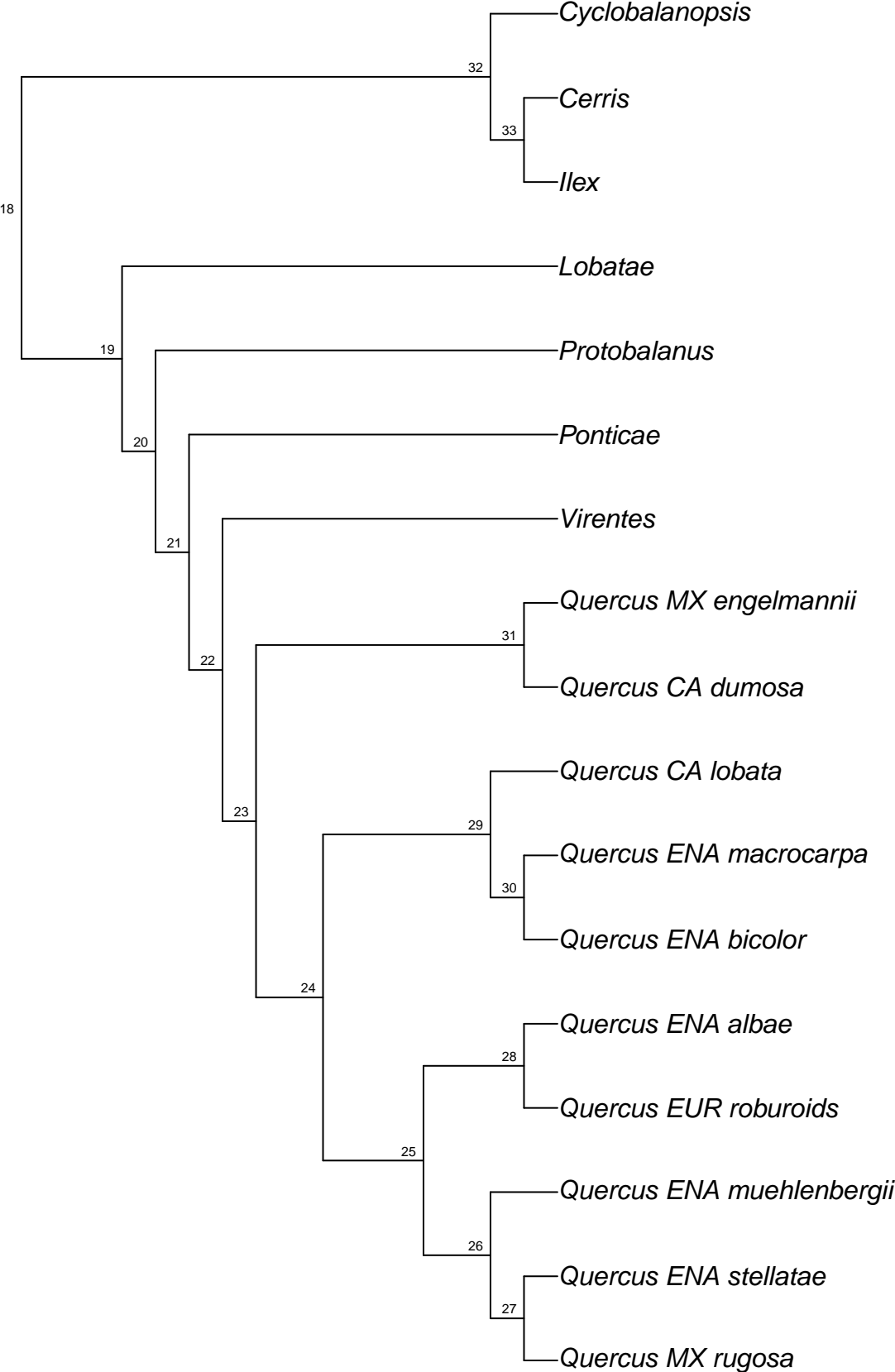
refRAD.ref\_glauca\_raxml.bt010



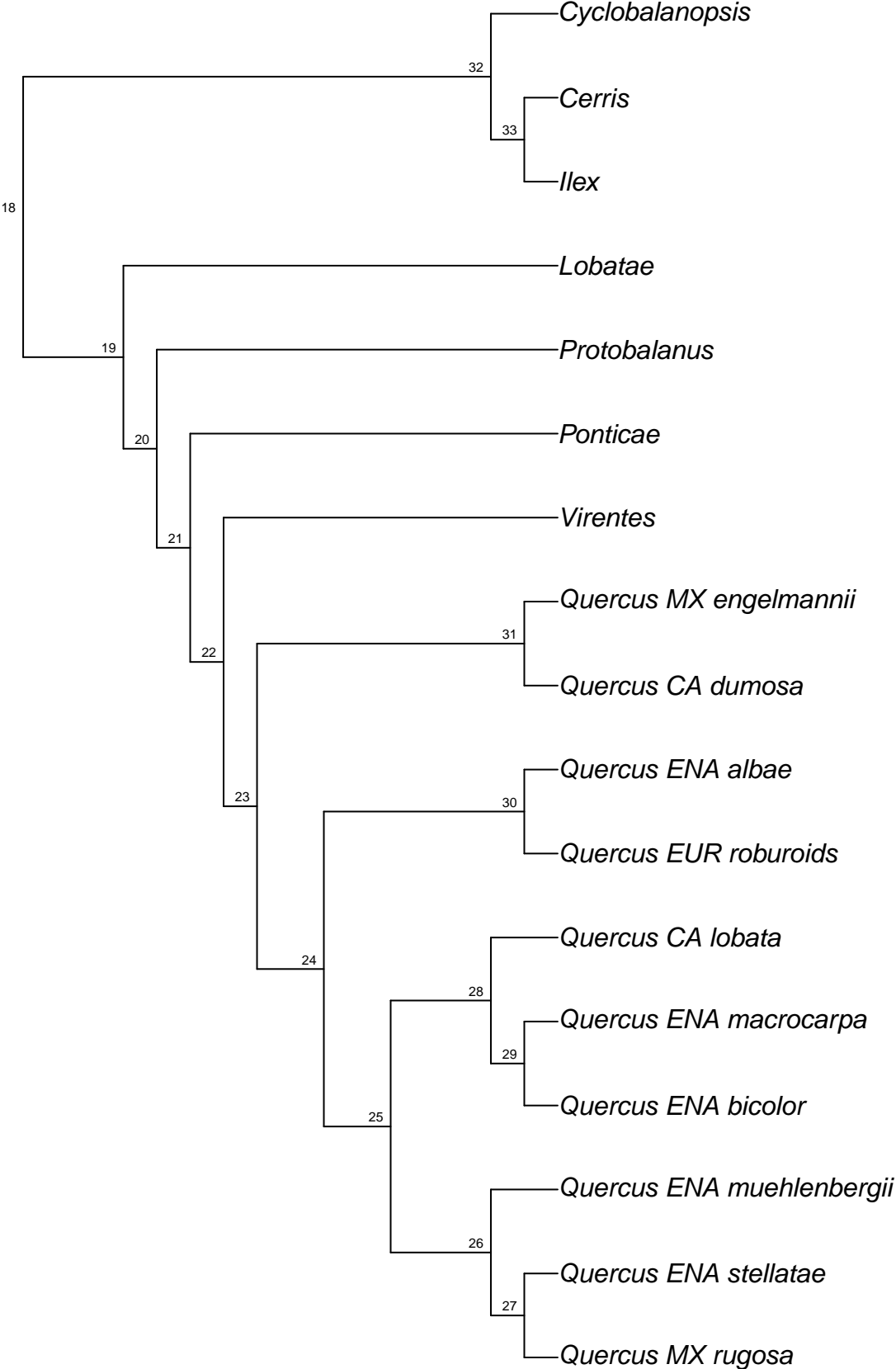
Phylogenetic tree showing relationships between various *Quercus* species and other genera, based on 18S rDNA sequences. The tree is rooted at node 18. The species are listed on the right, and the bootstrap values are indicated at the nodes.

- Node 18: Root
  - Node 32: *Cyclobalanopsis*
  - Node 33: *Cerris* and *Ilex*
- Node 19: *Lobatae* and Node 20
- Node 20: *Protobalanus* and Node 21
- Node 21: *Ponticae* and Node 22
- Node 22: *Virentes* and Node 23
- Node 23: Node 24 and Node 25
- Node 24: Node 26 and Node 27
- Node 25: *Quercus ENA stellatae* and *Quercus MX rugosa*
- Node 26: Node 28 and Node 29
- Node 27: *Quercus ENA albae* and *Quercus EUR roburoids*
- Node 28: *Quercus CA lobata* and Node 30
- Node 29: *Quercus ENA macrocarpa* and Node 31
- Node 30: *Quercus ENA bicolor*
- Node 31: *Quercus ENA muehlenbergii* and Node 32
- Node 32: *Quercus MX engelmannii* and *Quercus CA dumosa*

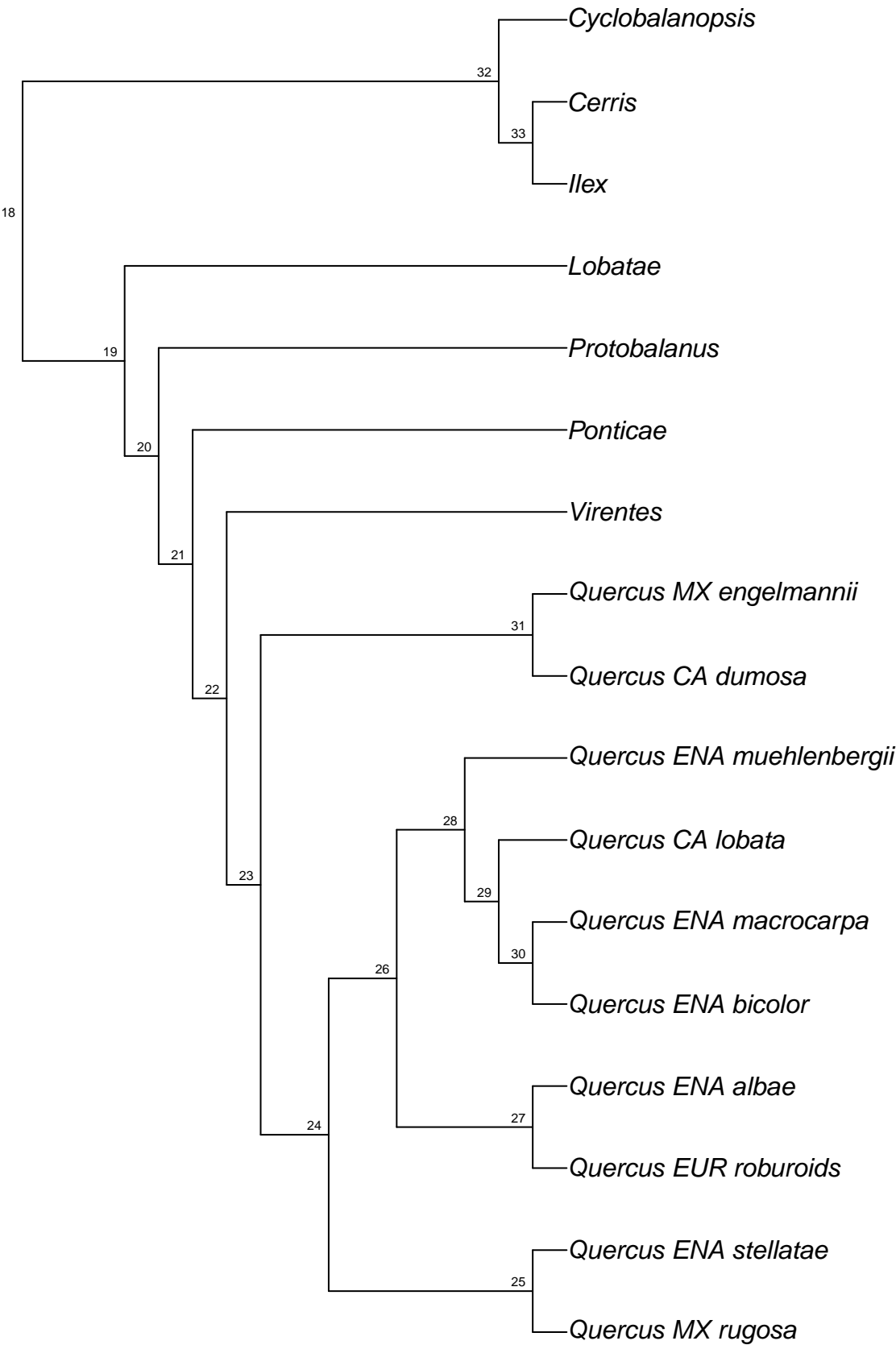
refRAD.ref\_glauca\_raxml.bt012



refRAD.ref\_glauca\_raxml.bt013

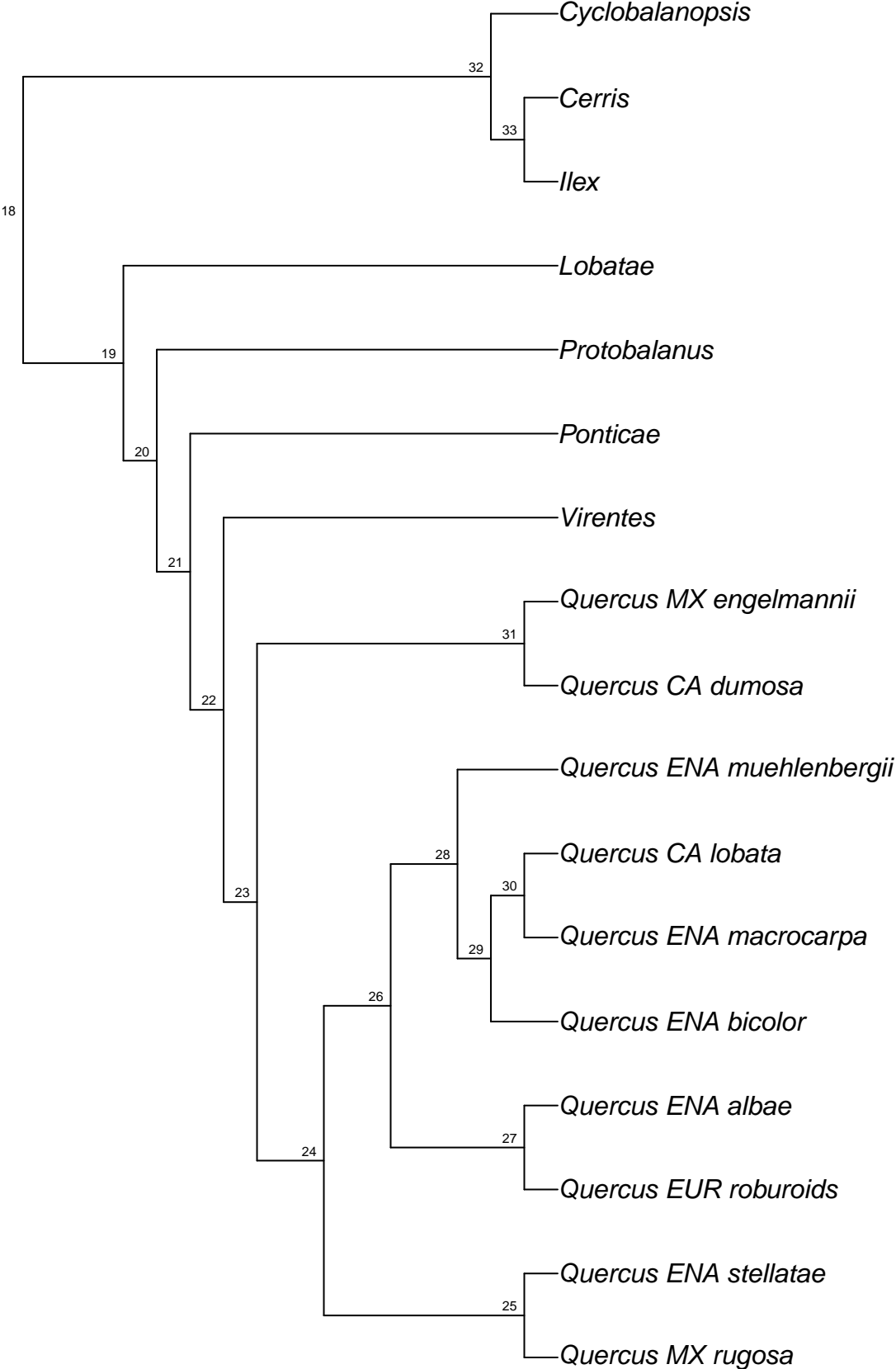


refRAD.ref\_glauca\_raxml.bt014

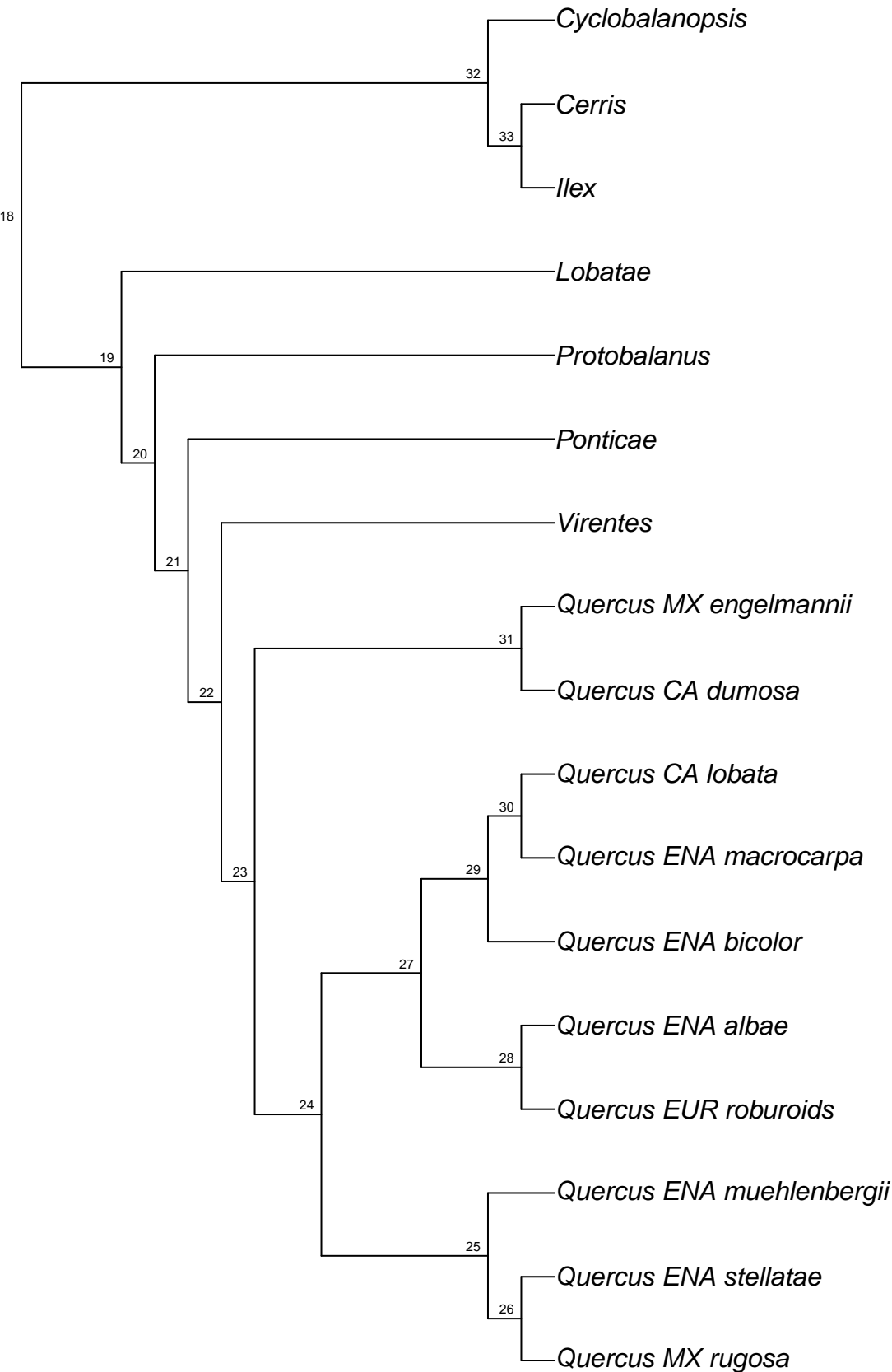


Phylogenetic tree showing relationships between various species, rooted at node 18. The tree is labeled with node numbers (18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33) and species names. The species names are: *Cyclobalanopsis*, *Cerris*, *Ilex*, *Lobatae*, *Protobalanus*, *Ponticae*, *Virentes*, *Quercus MX engelmannii*, *Quercus CA dumosa*, *Quercus EUR roburoids*, *Quercus ENA albae*, *Quercus CA lobata*, *Quercus ENA macrocarpa*, *Quercus ENA bicolor*, *Quercus ENA muehlenbergii*, *Quercus ENA stellatae*, and *Quercus MX rugosa*.

refRAD.ref\_glauca\_raxml.bt016

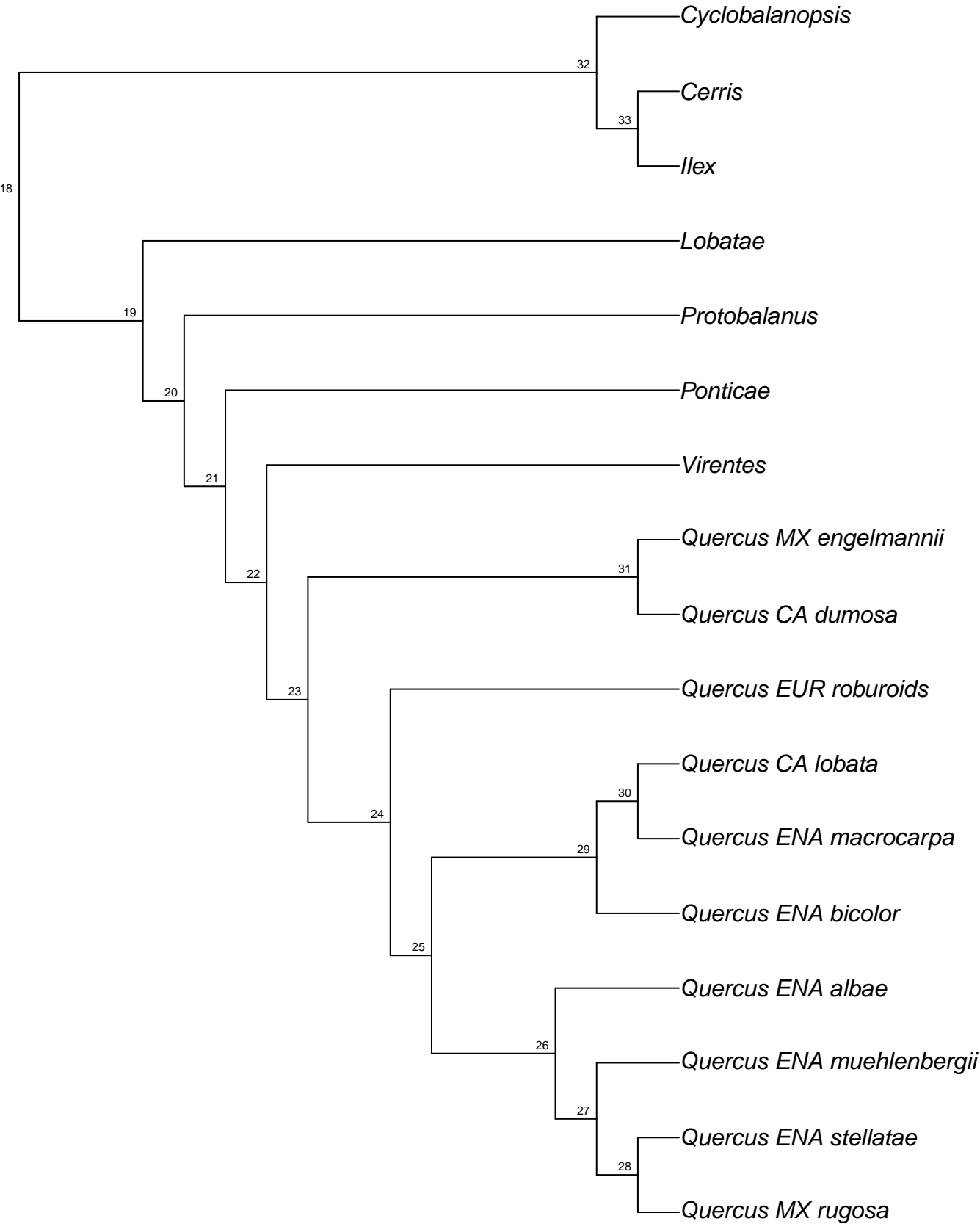


refRAD.ref\_glauca\_raxml.bt017

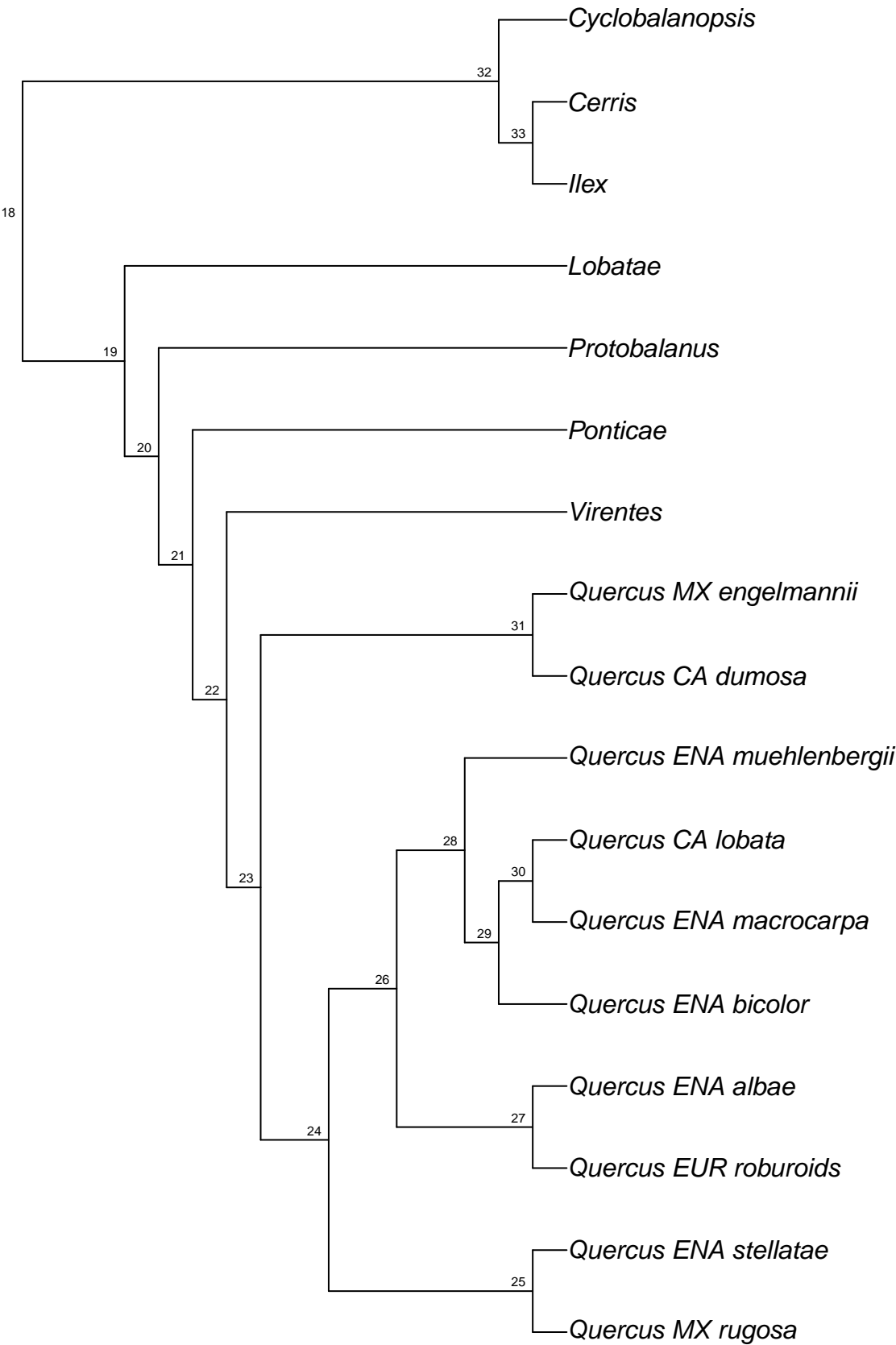




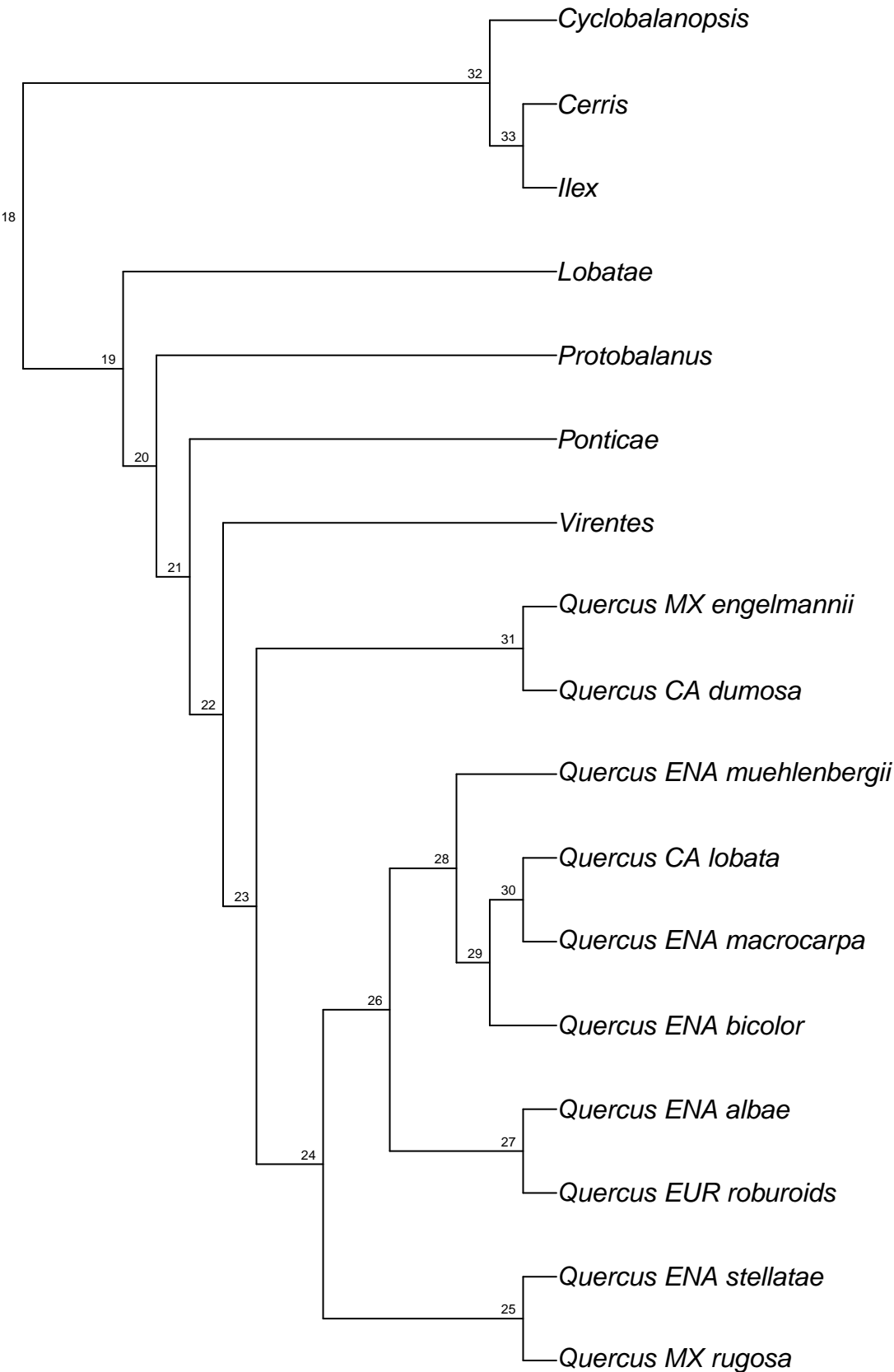
refRAD.ref\_glauca\_raxml.bt018



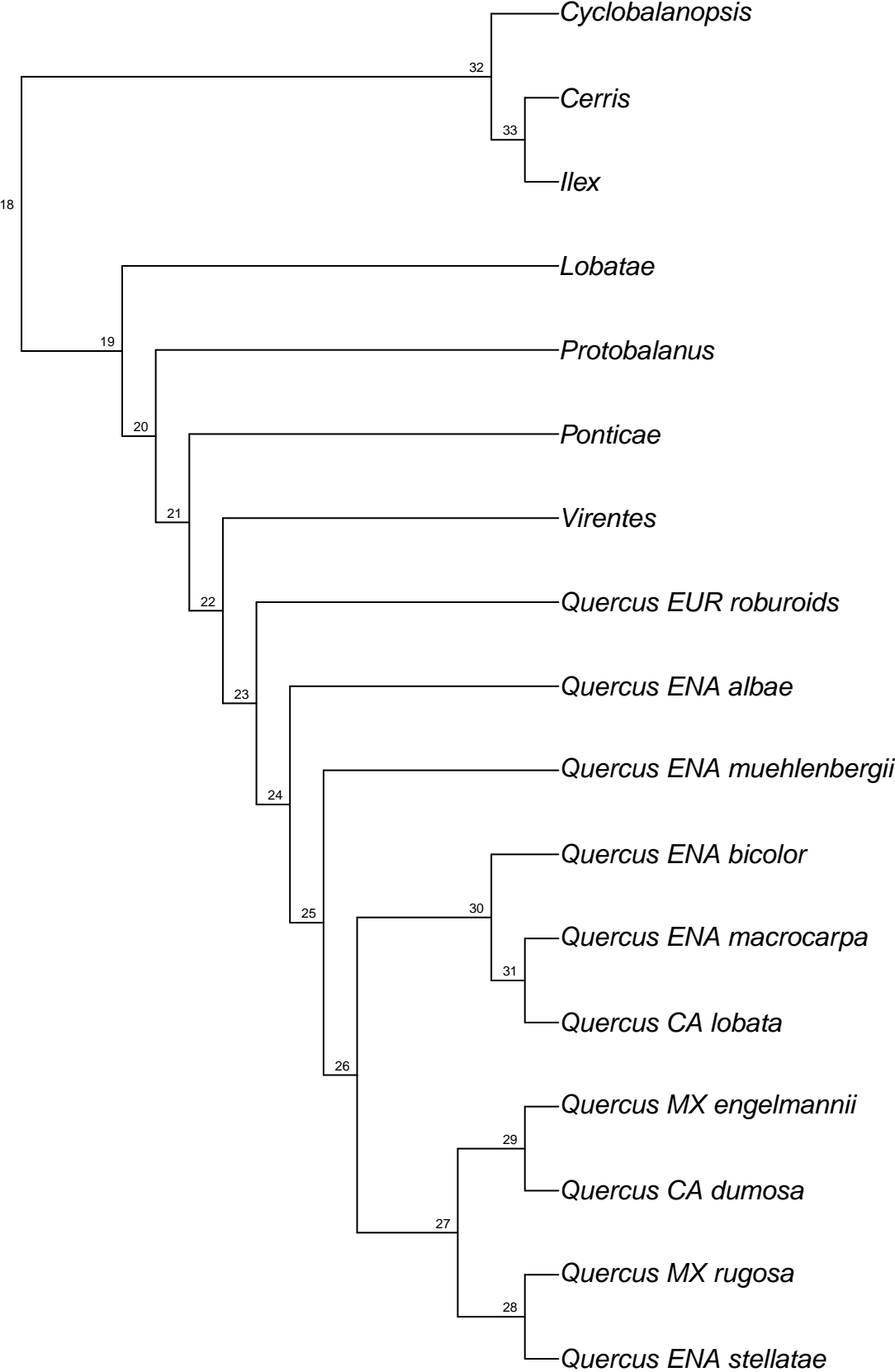
refRAD.ref\_glauca\_raxml.bt019



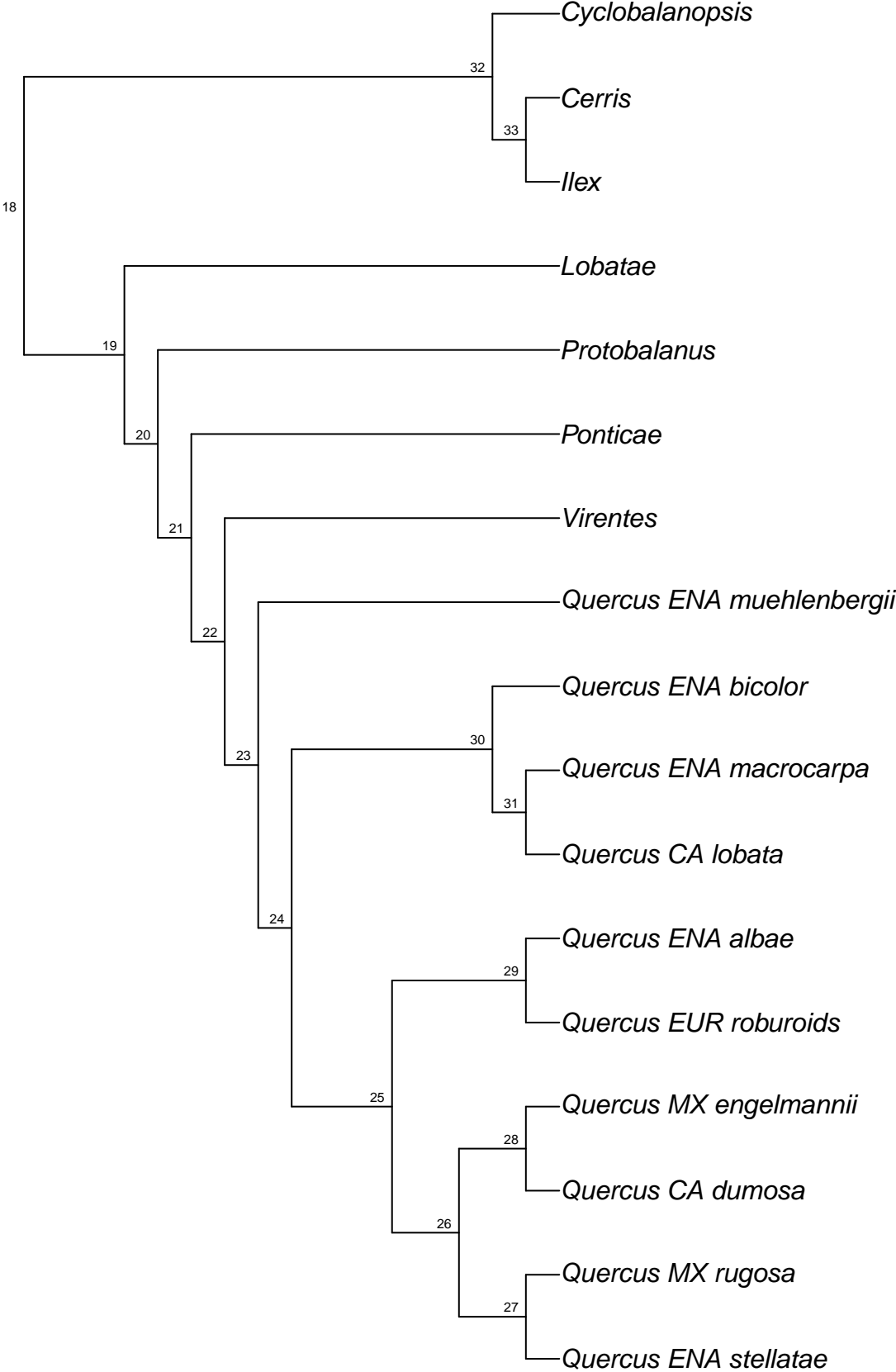
refRAD.ref\_glauca\_raxml.bt020



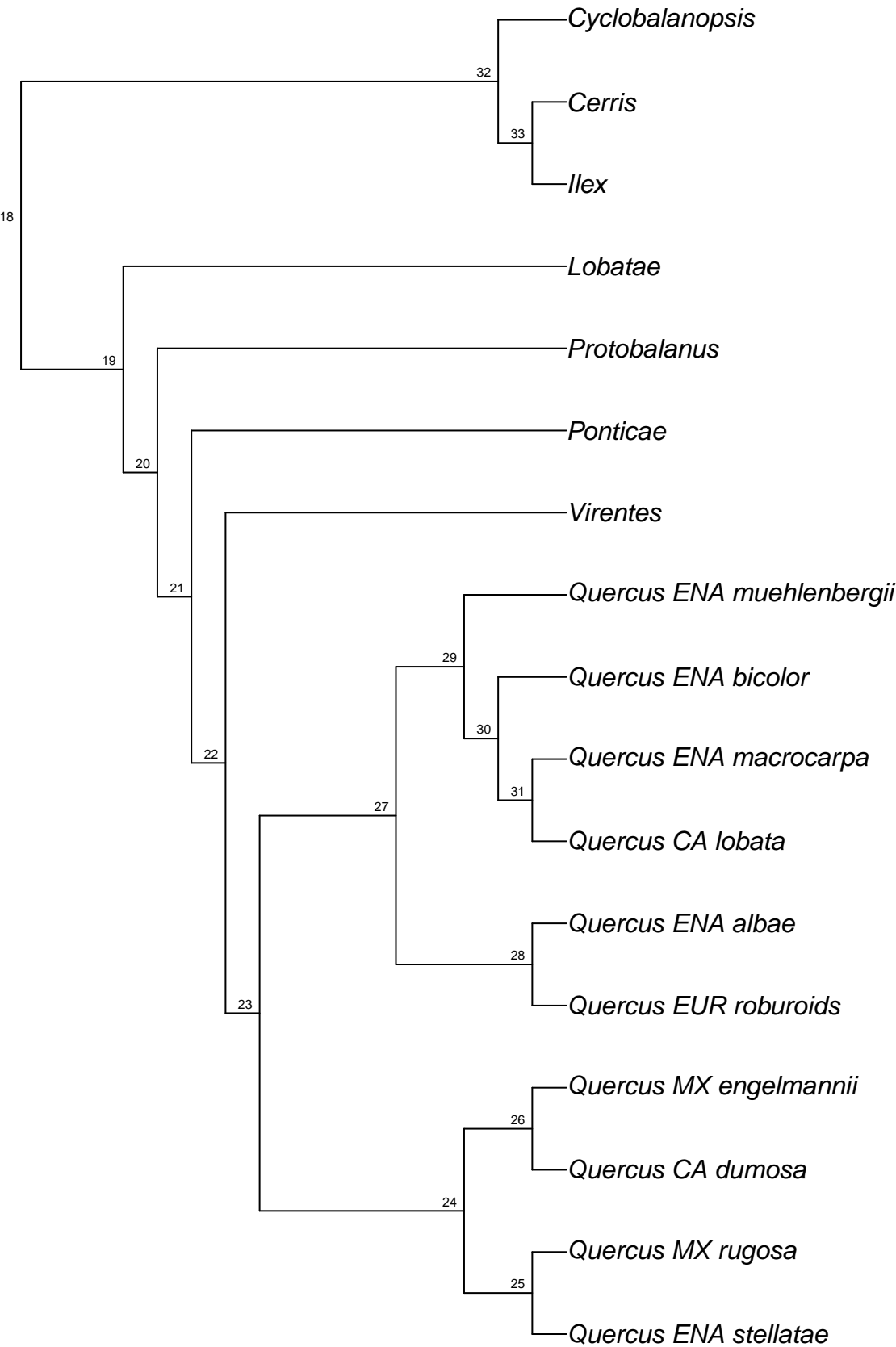
refRAD.ref\_glauca\_raxml.bt021



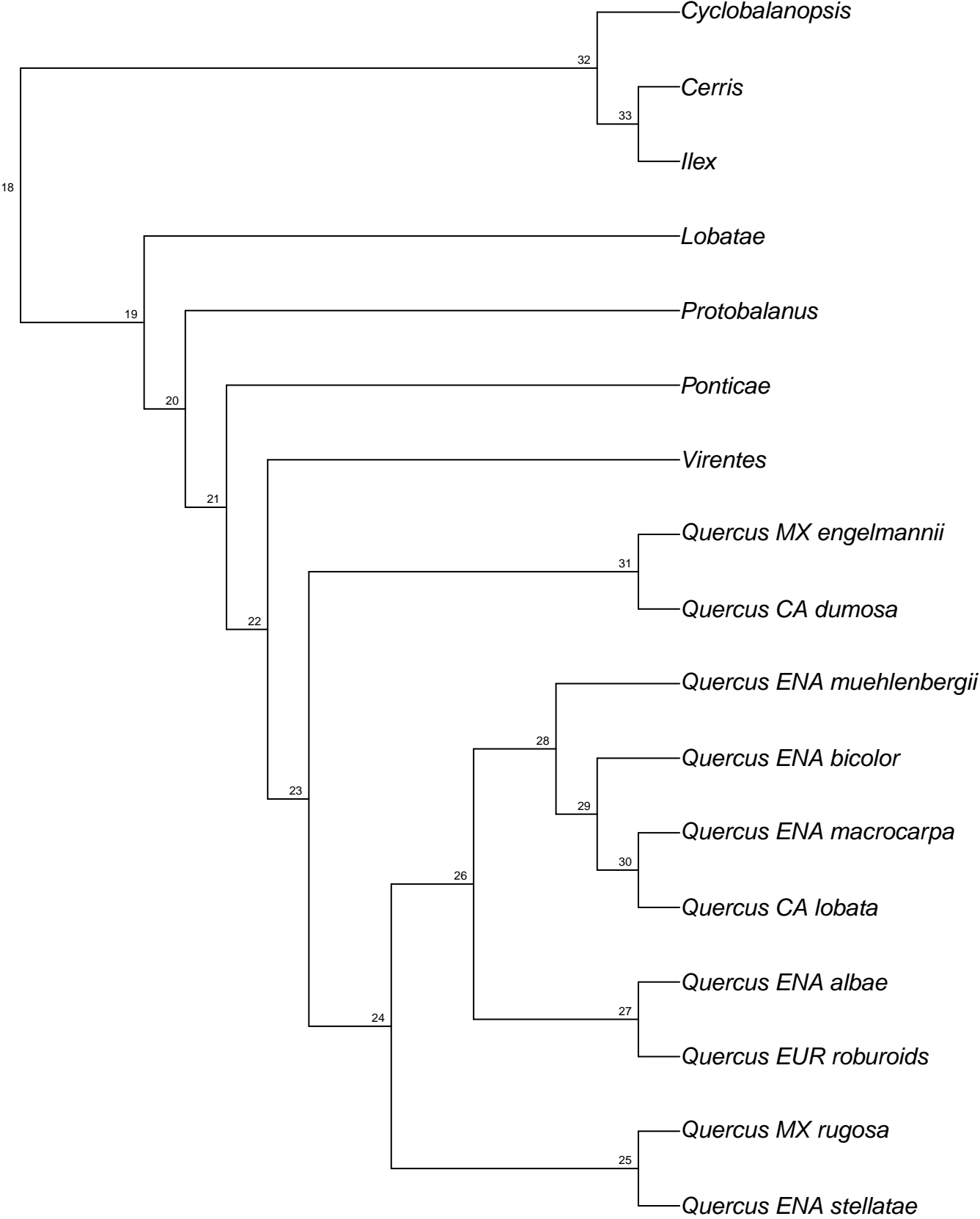
refRAD.ref\_glauca\_raxml.bt022



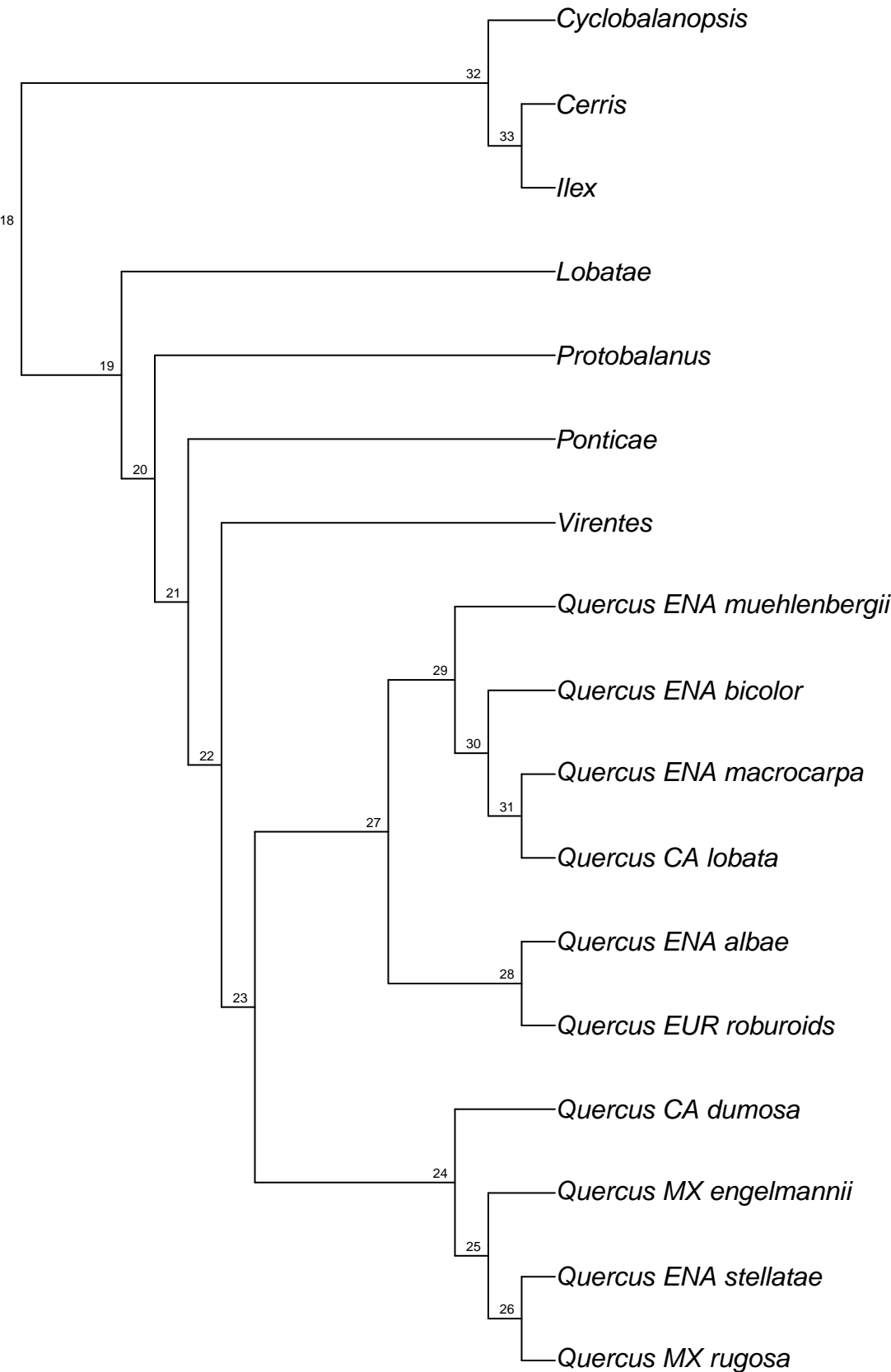
refRAD.ref\_glauca\_raxml.bt023



refRAD.ref\_glauca\_raxml.bt024

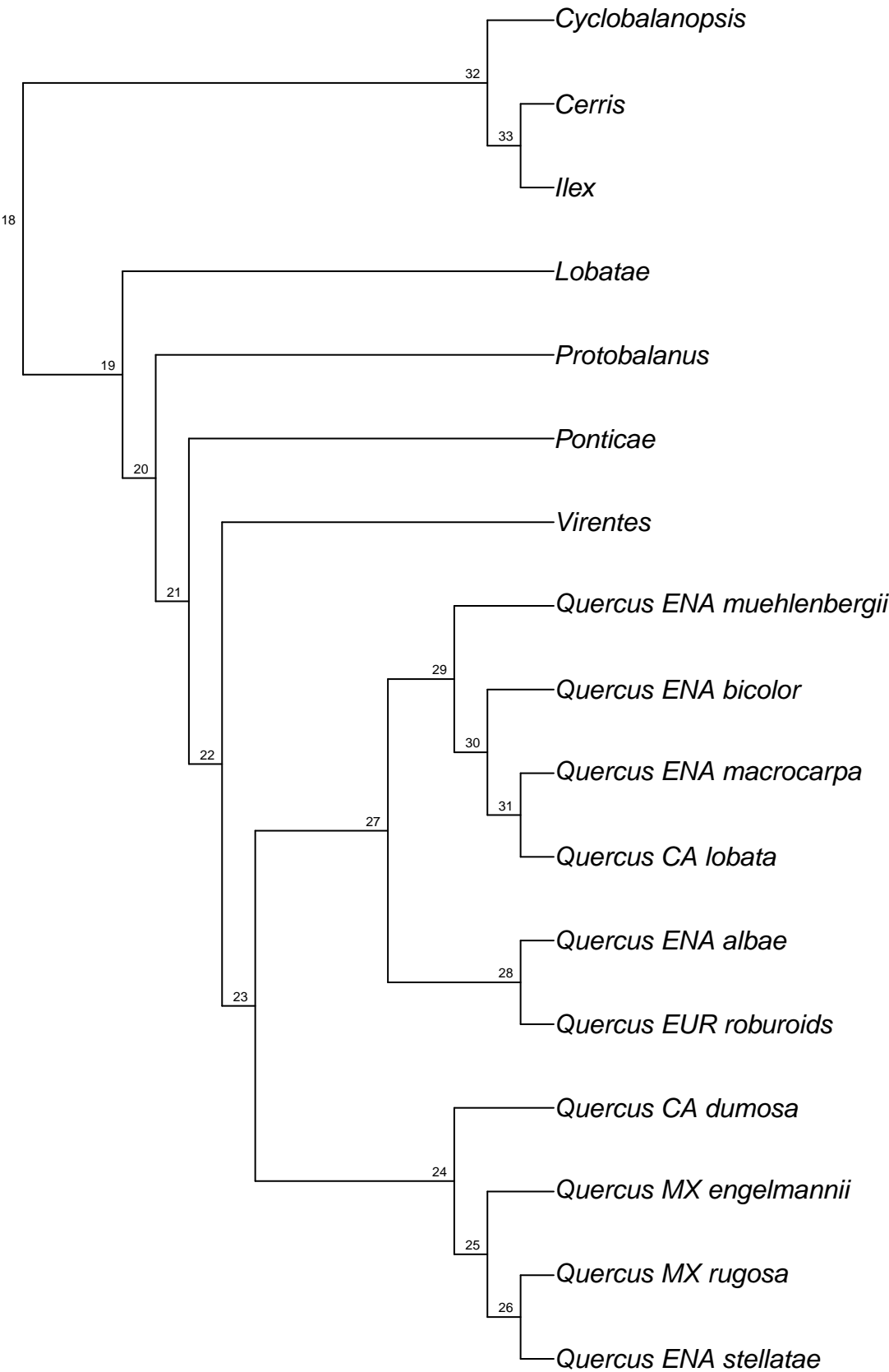


refRAD.ref\_glauca\_raxml.bt025

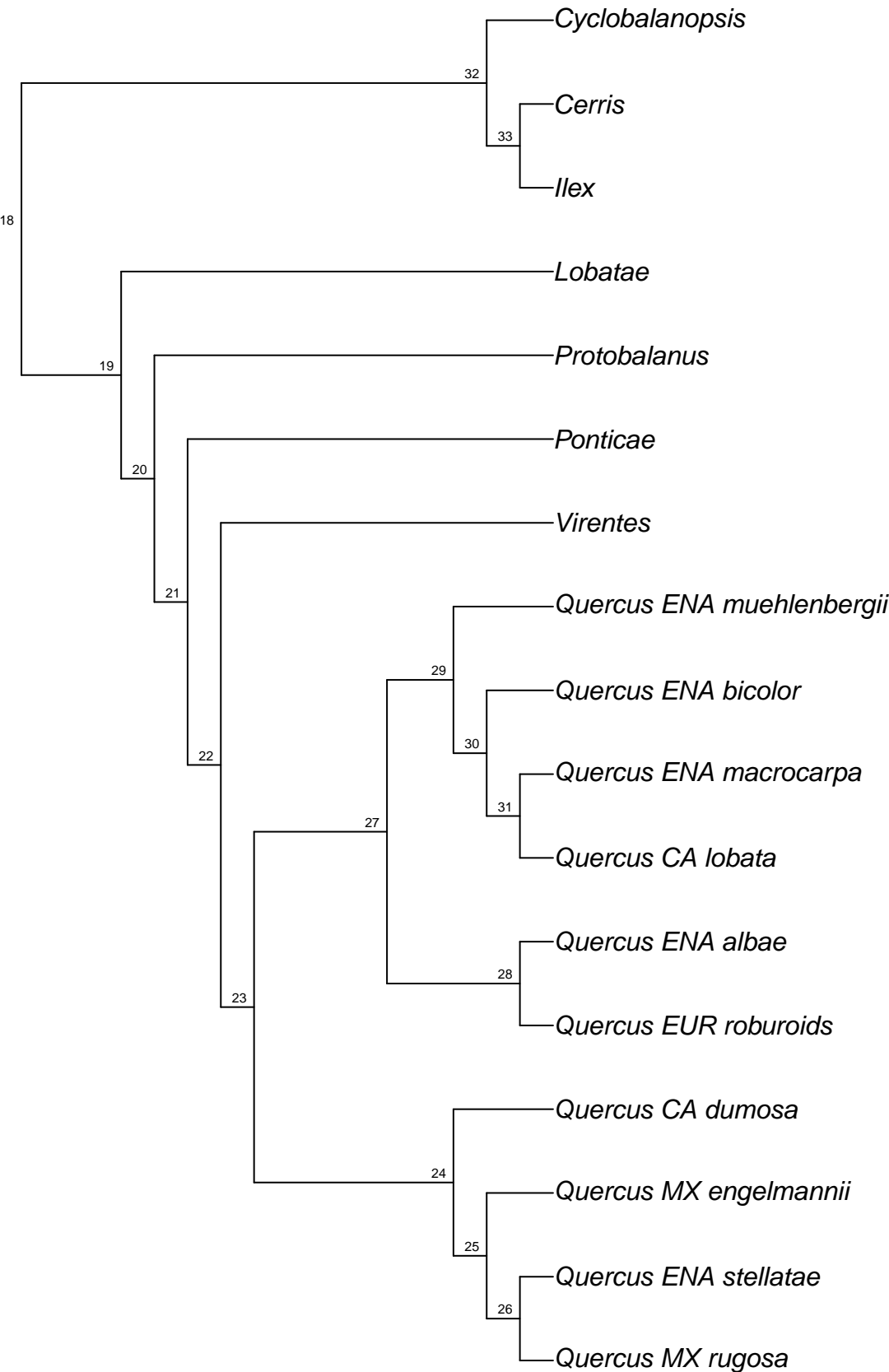




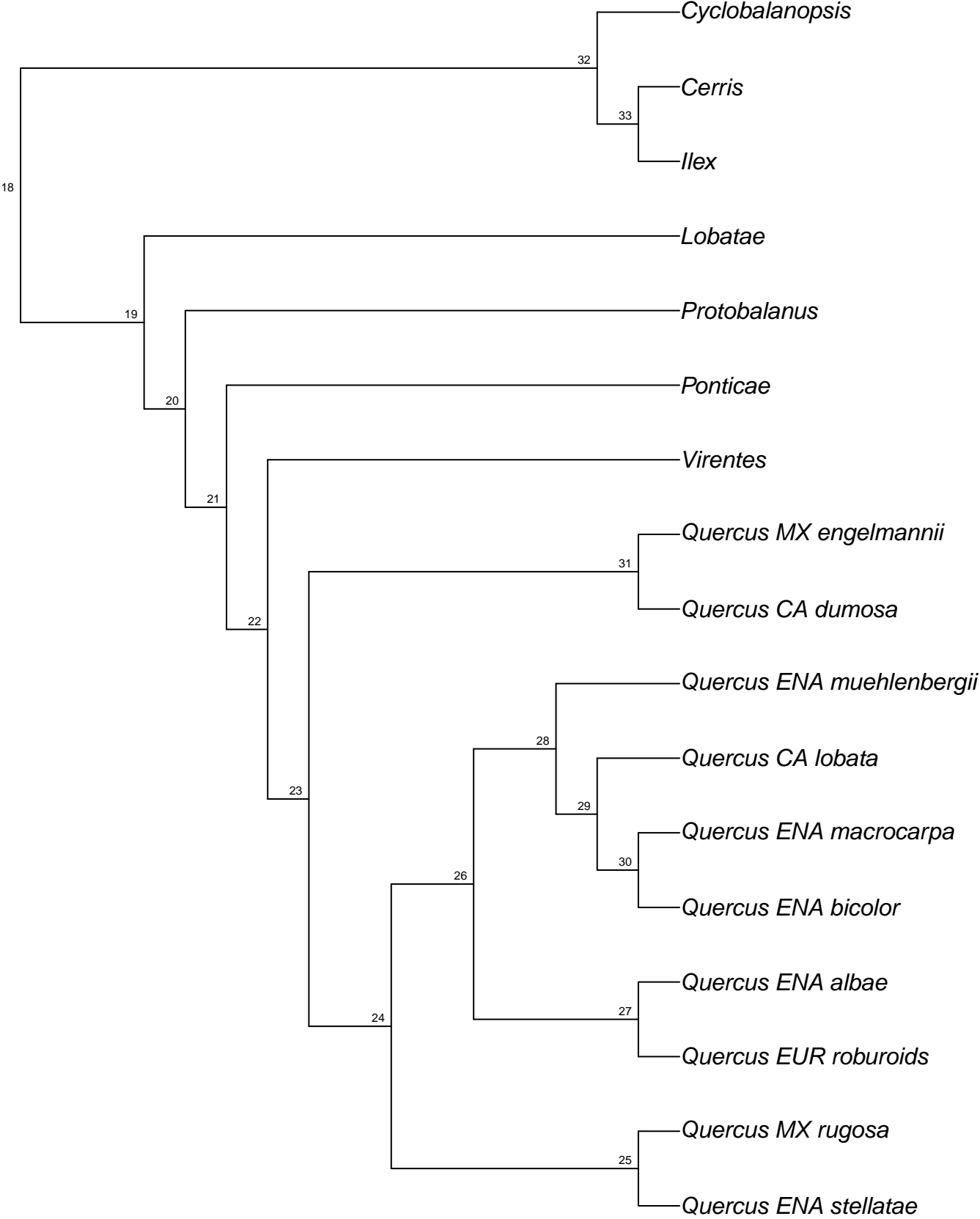
refRAD.ref\_glauca\_raxml.bt026



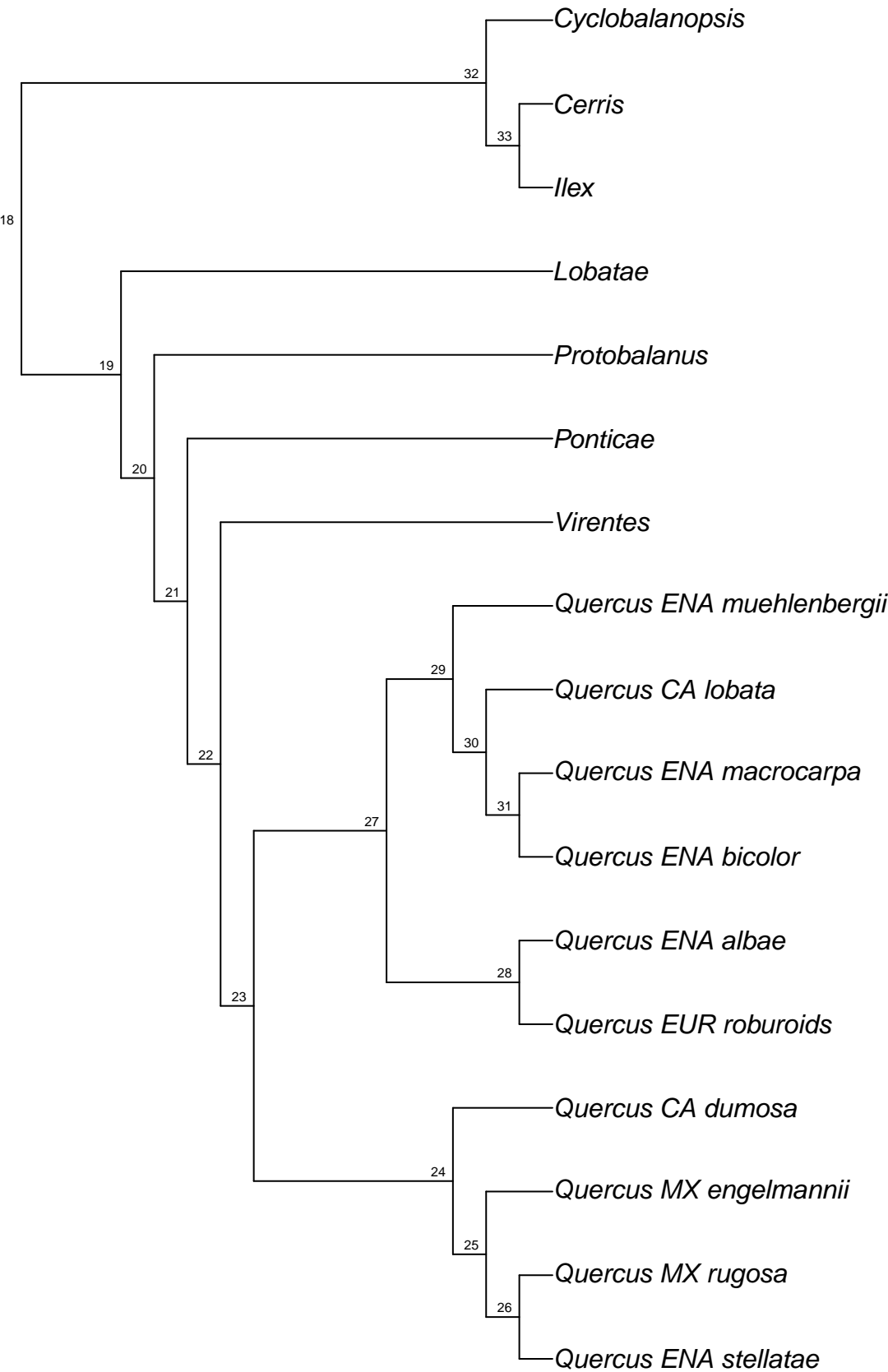
refRAD.ref\_glauca\_raxml.bt027



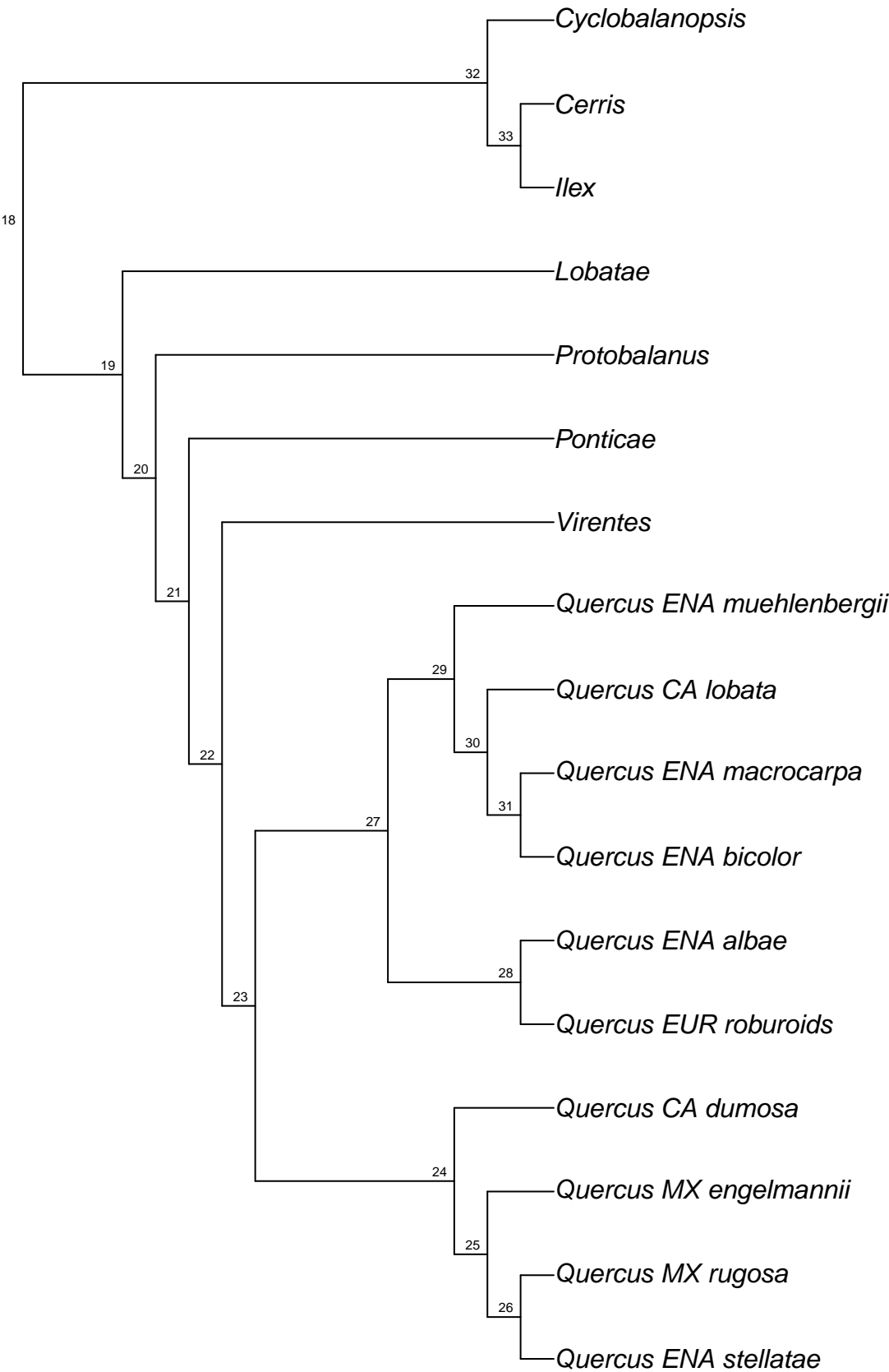
refRAD.ref\_glauca\_raxml.bt028



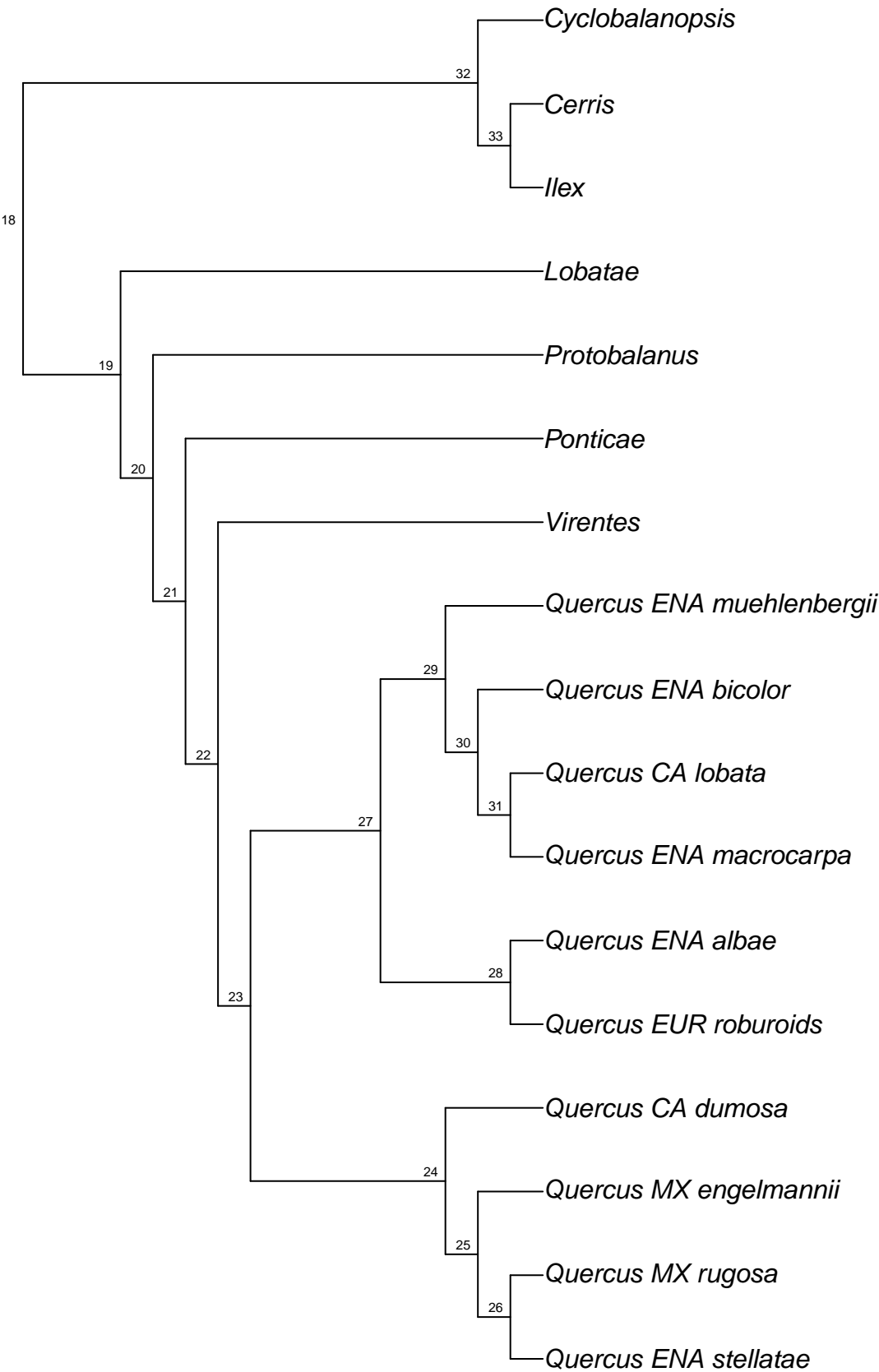
refRAD.ref\_glauca\_raxml.bt029



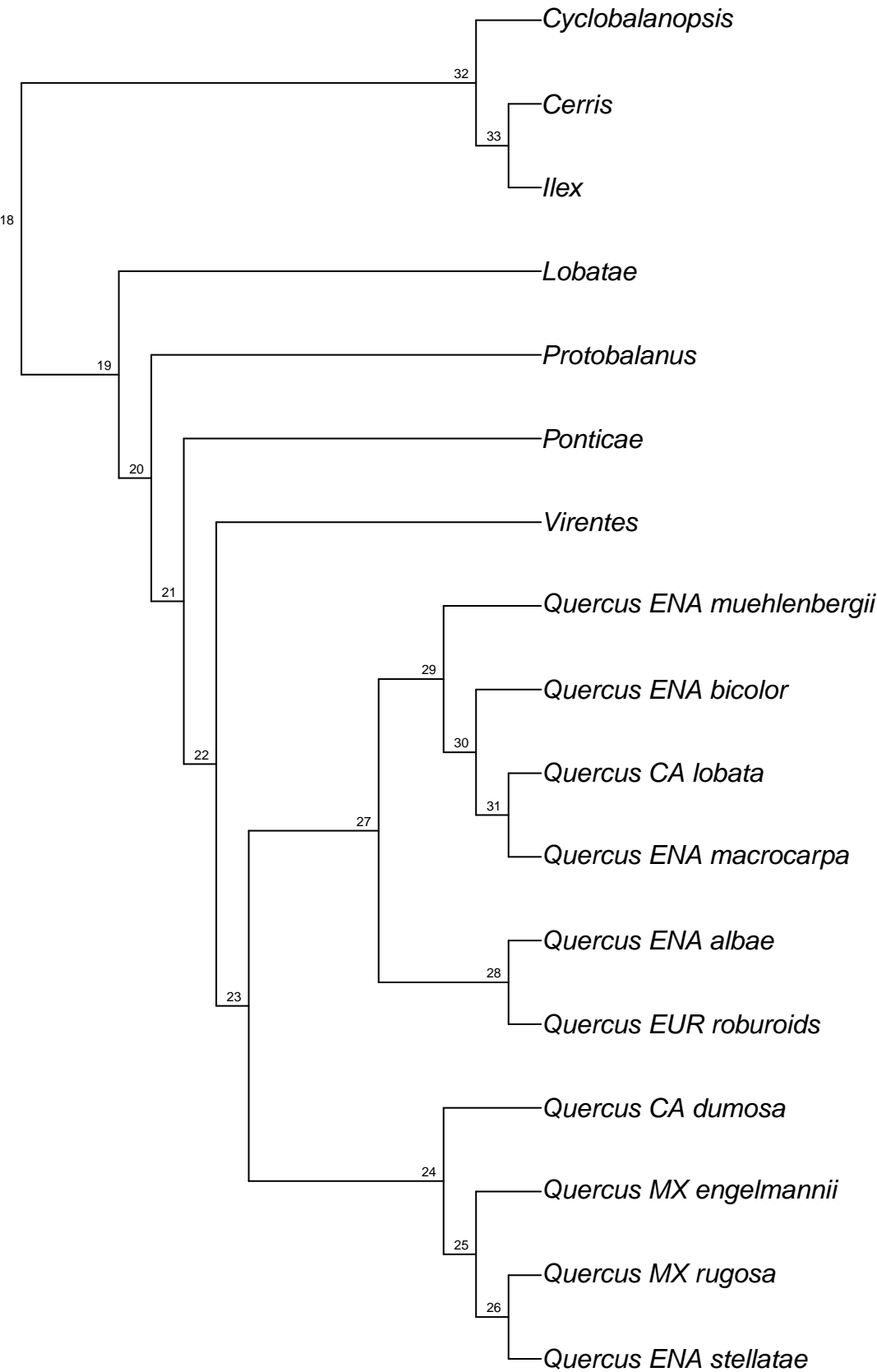
refRAD.ref\_glauca\_raxml.bt030



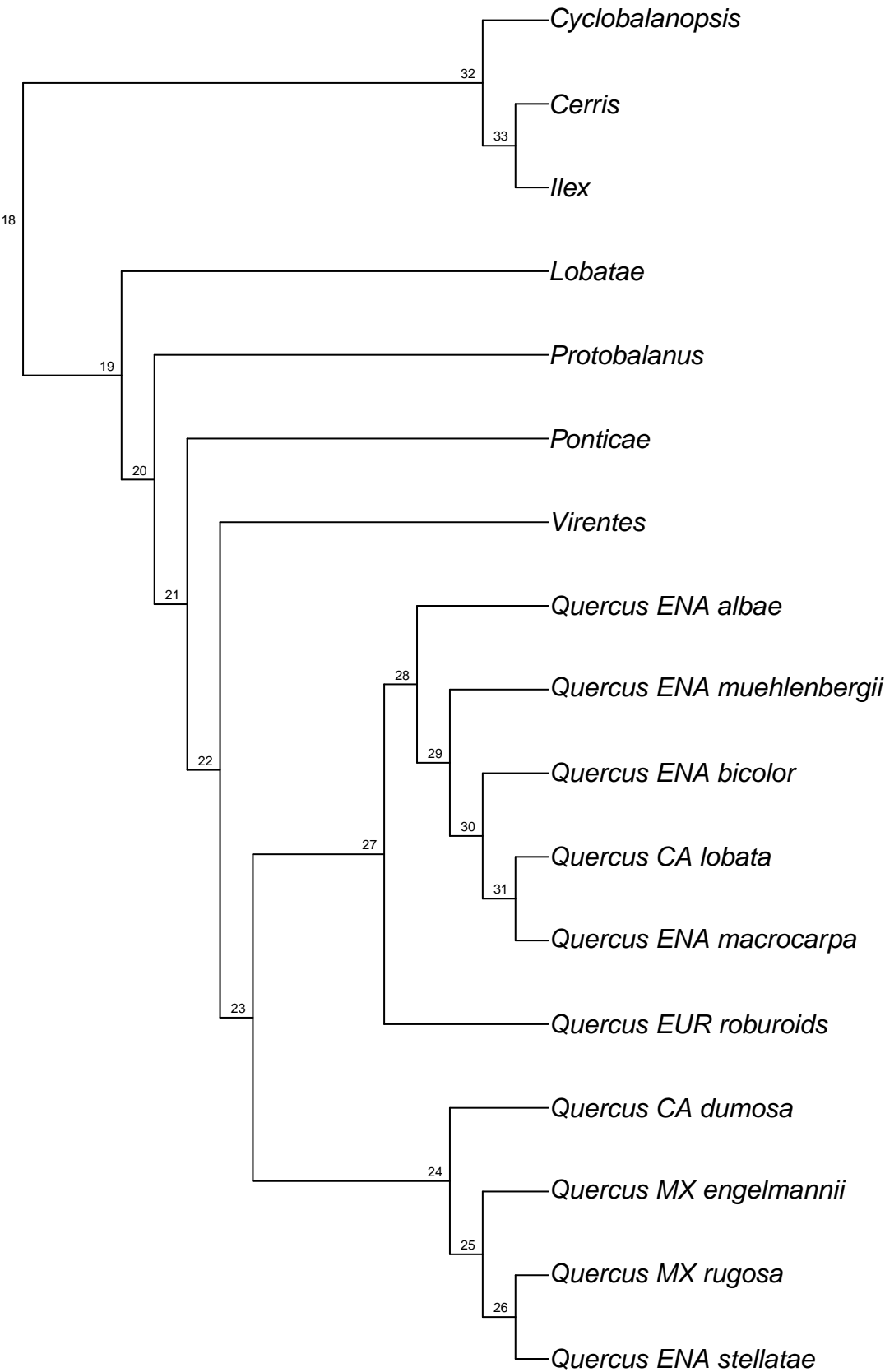
refRAD.ref\_glauca\_raxml.bt031



refRAD.ref\_glauca\_raxml.bt032

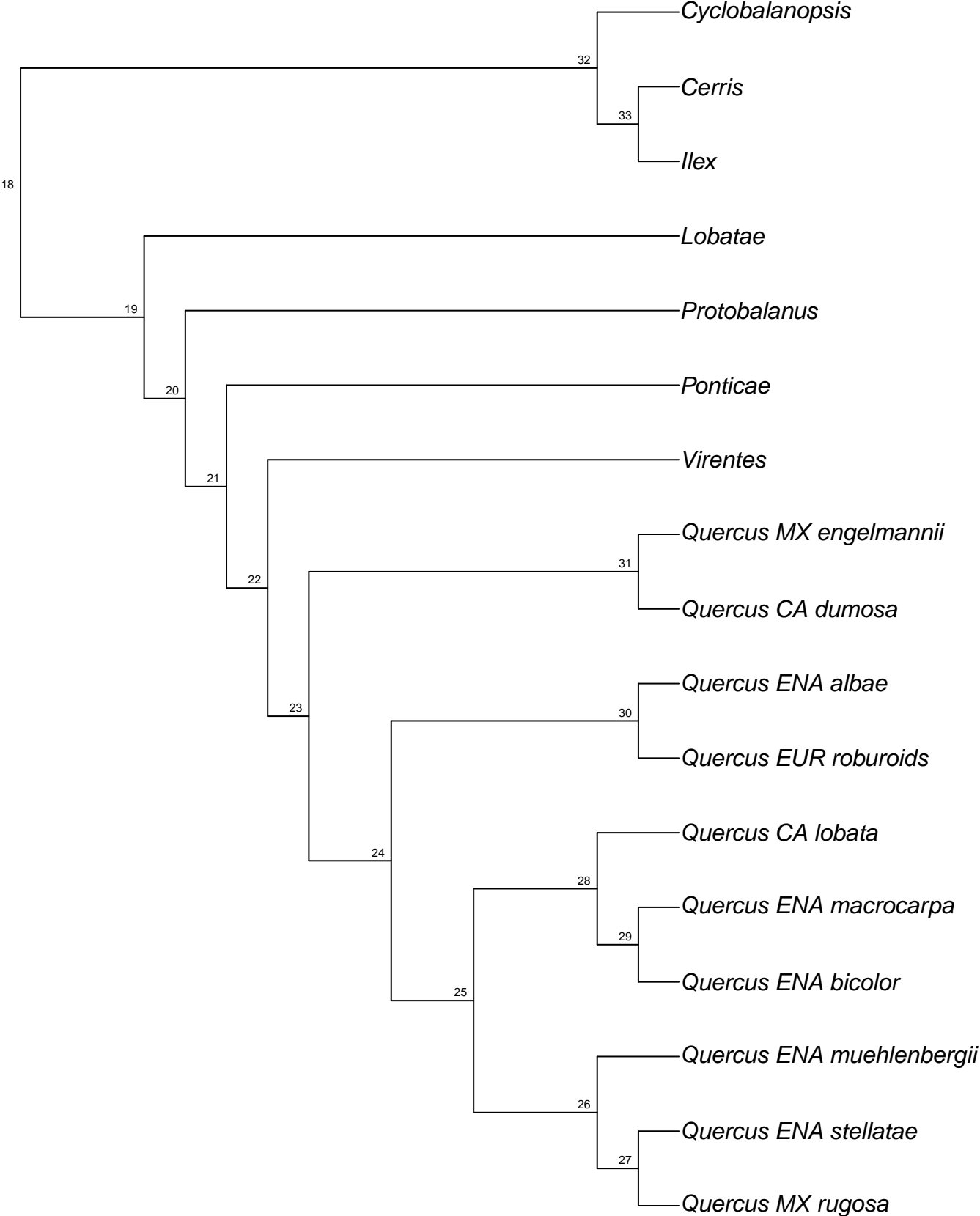


refRAD.ref\_glauca\_raxml.bt033

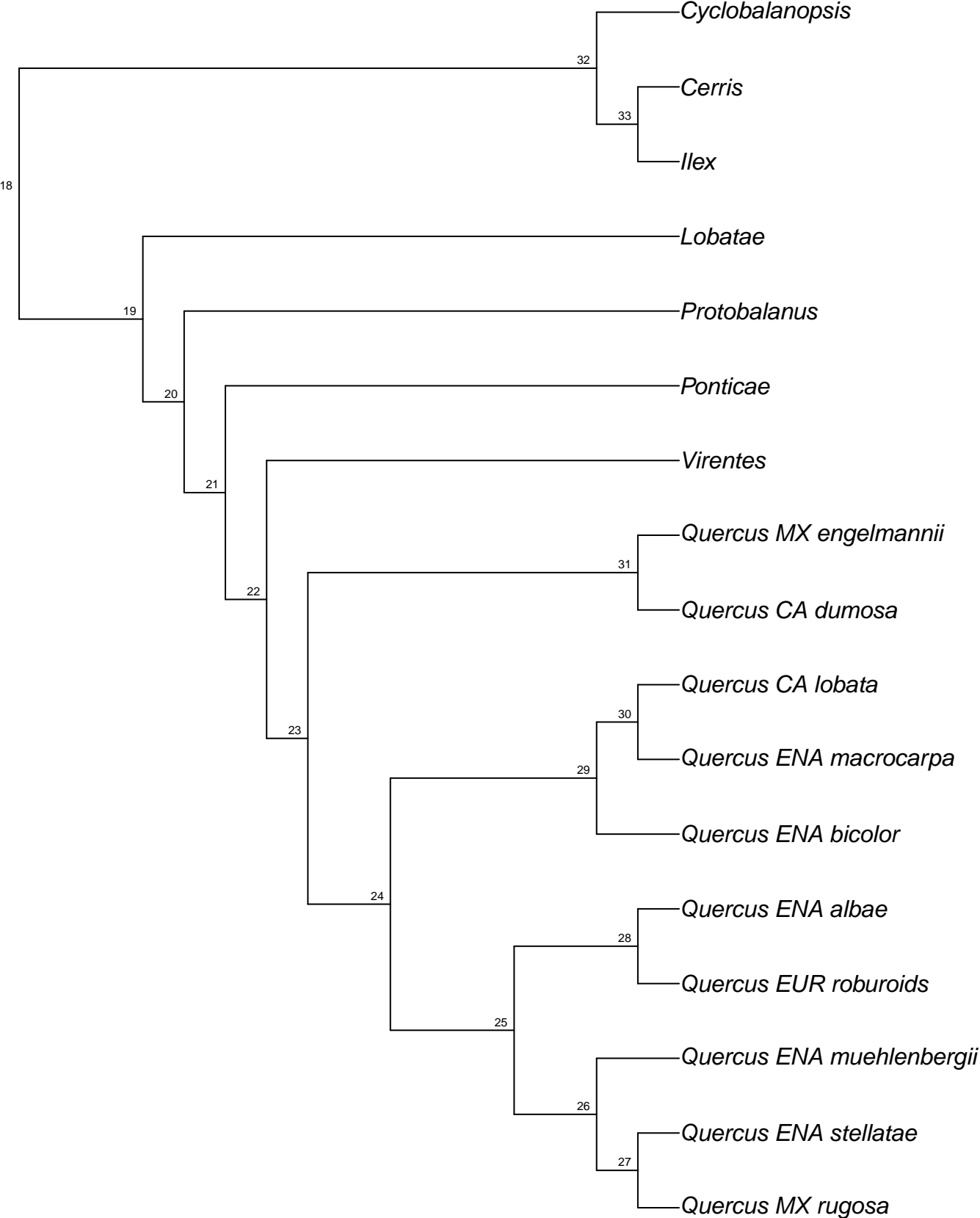




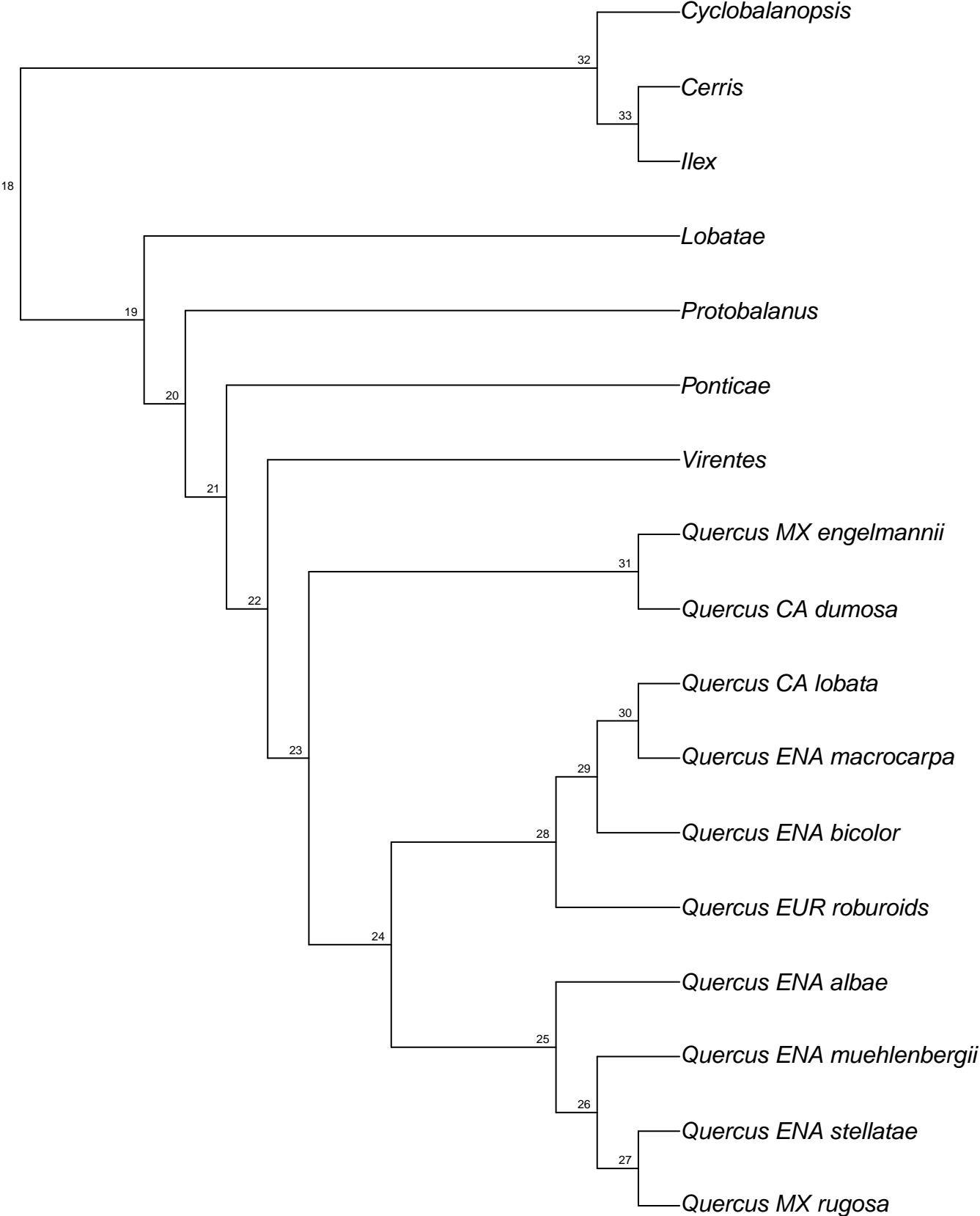
refRAD.ref\_glauca\_raxml.bt034



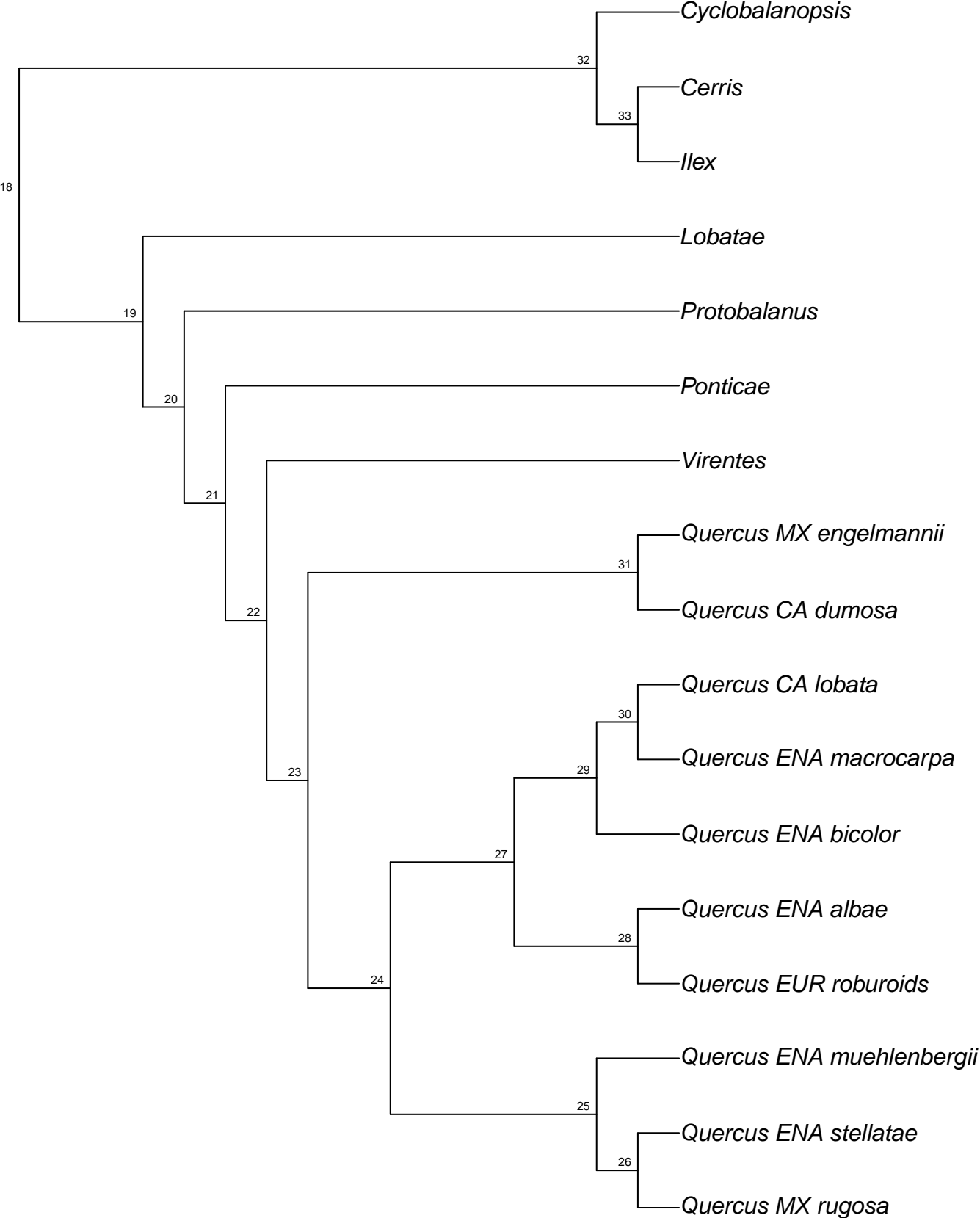
refRAD.ref\_glauca\_raxml.bt035



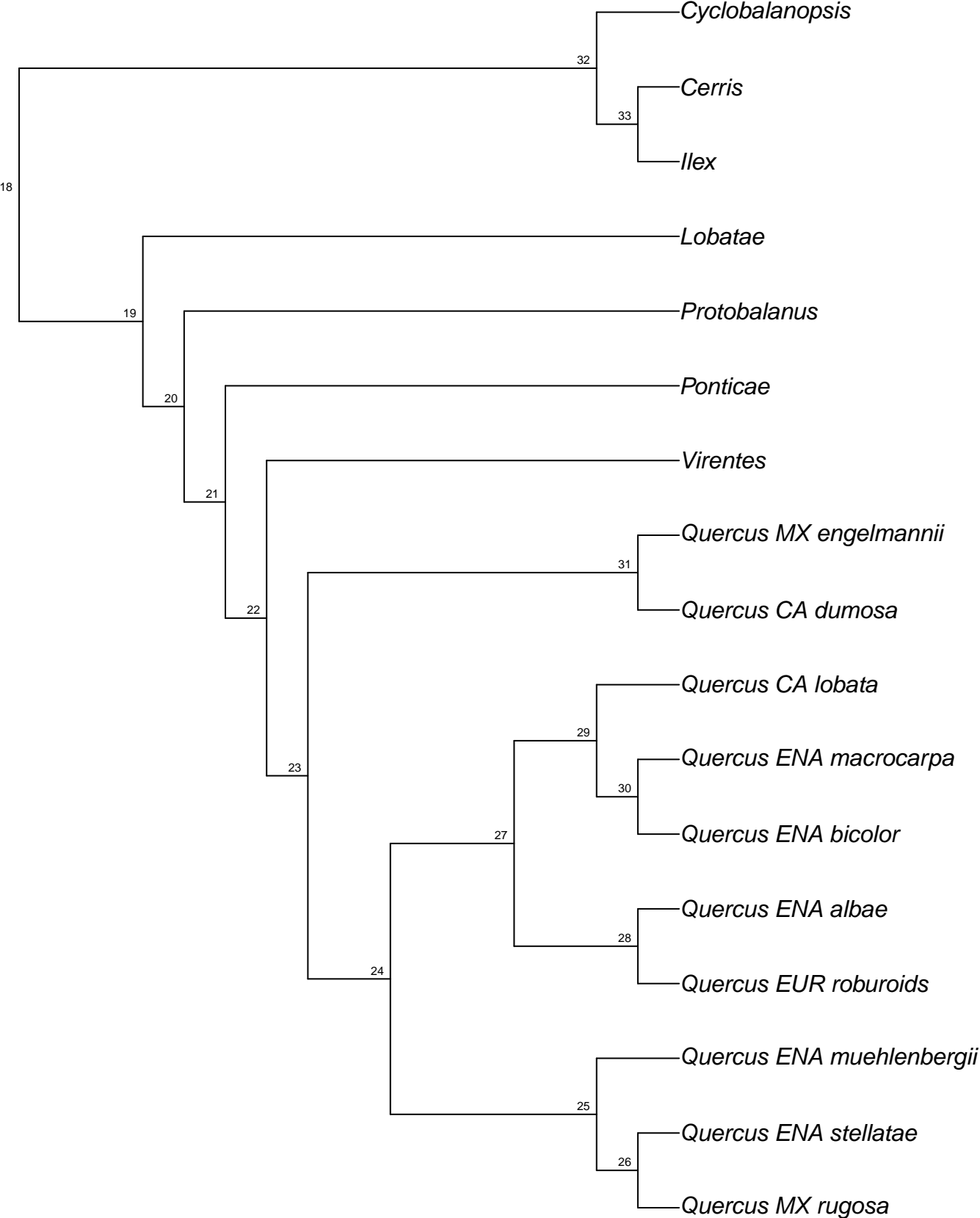
refRAD.ref\_glauca\_raxml.bt036



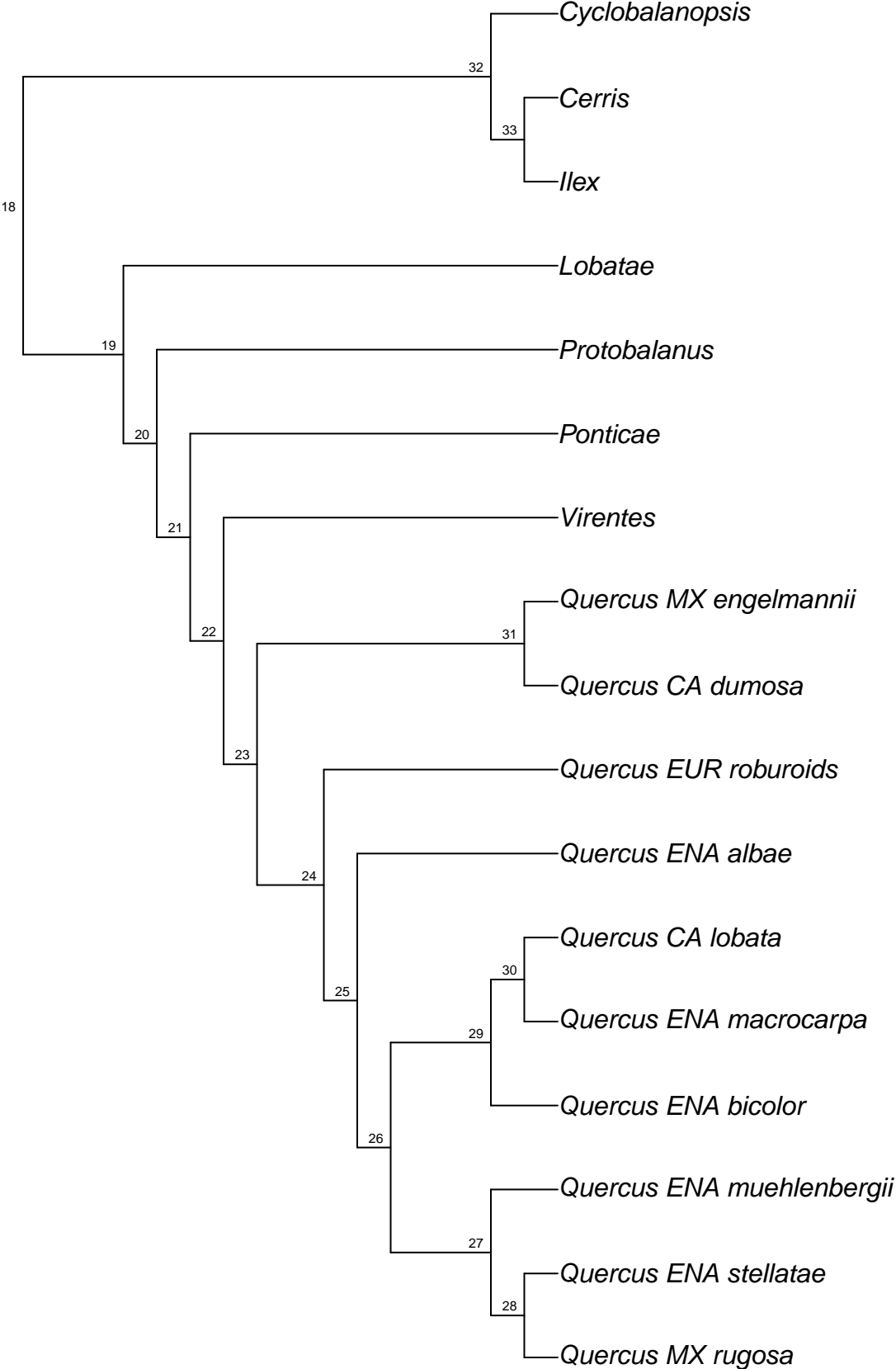
refRAD.ref\_glauca\_raxml.bt037



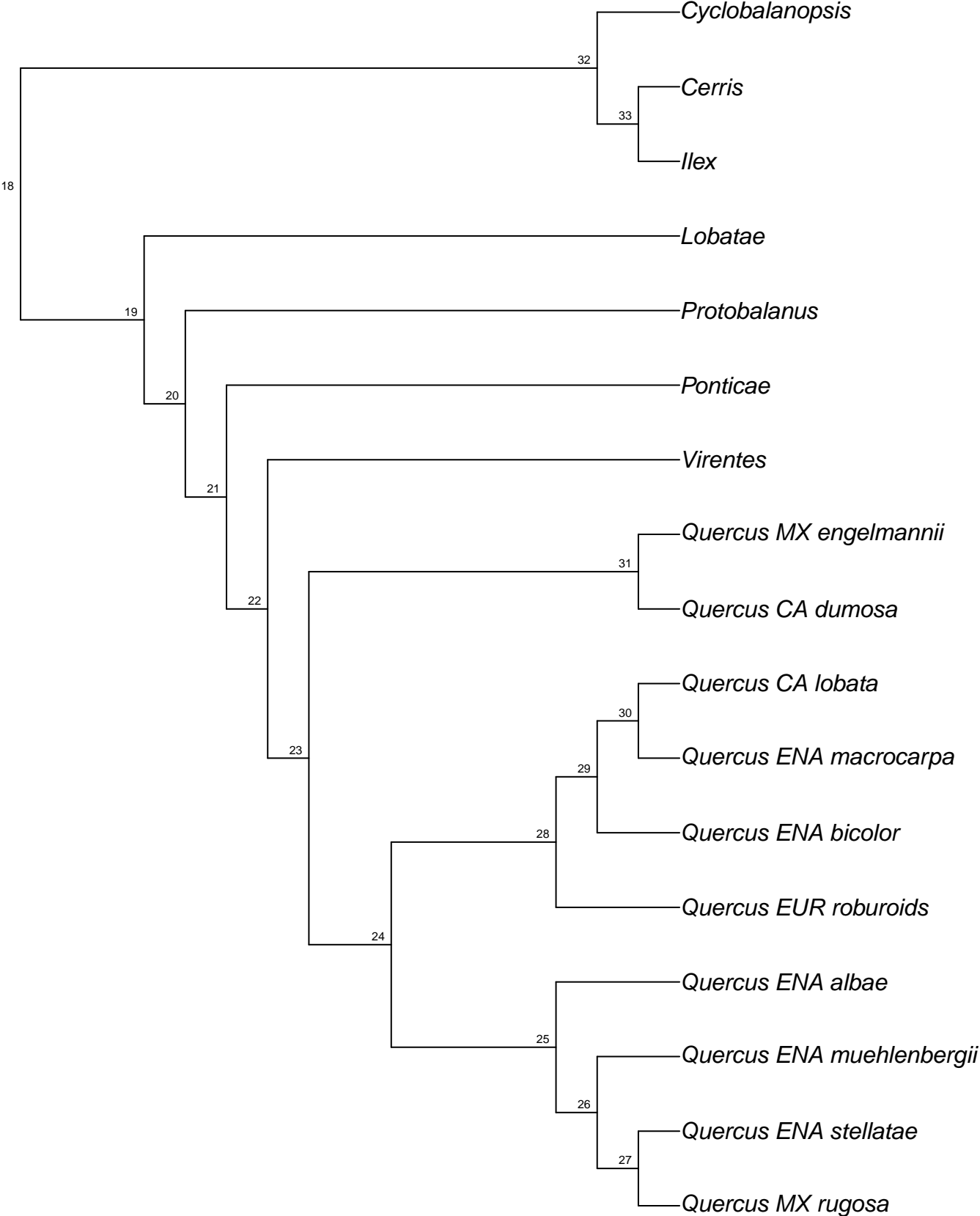
refRAD.ref\_glauca\_raxml.bt038



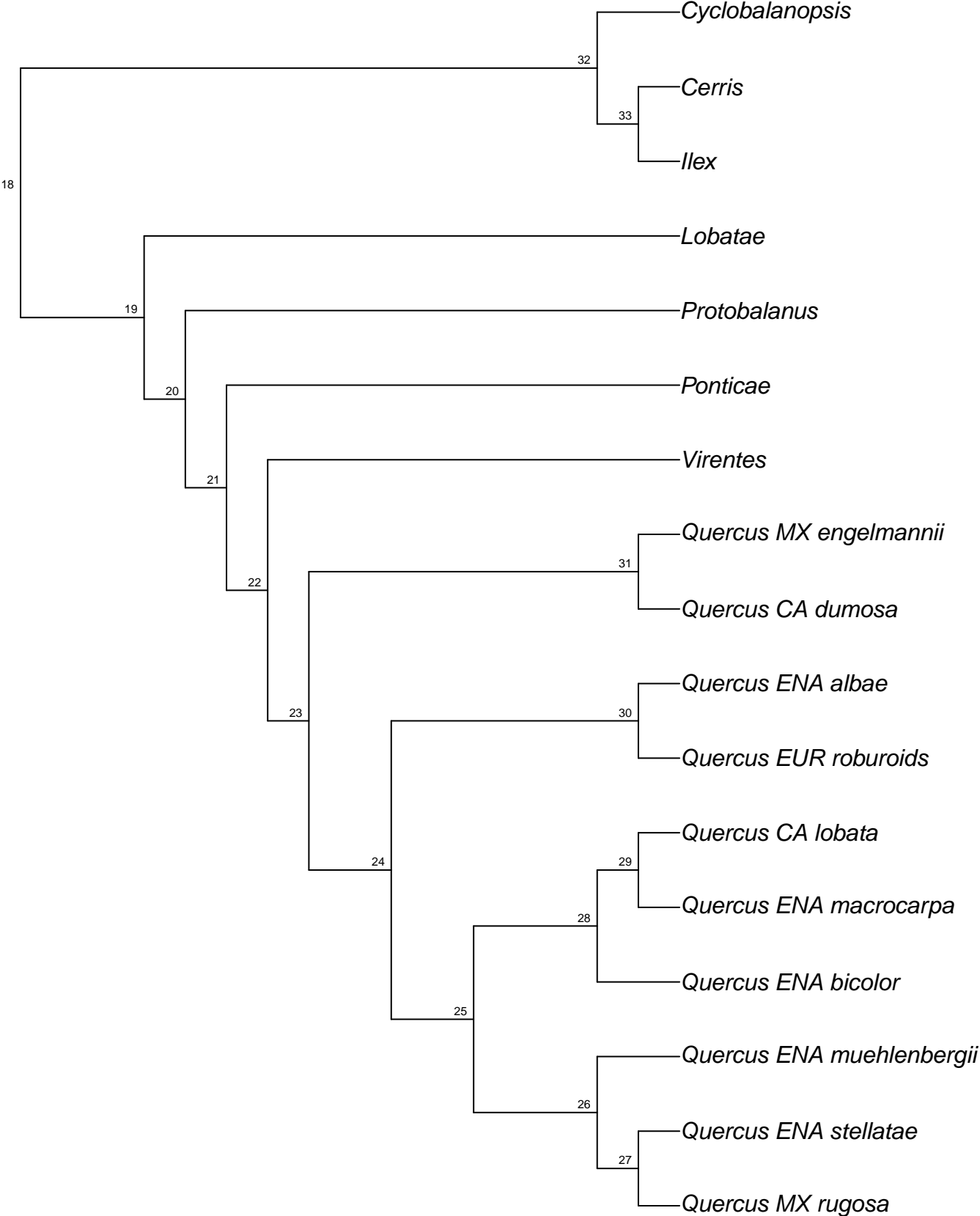
refRAD.ref\_glauca\_raxml.bt039



refRAD.ref\_glauca\_raxml.bt040

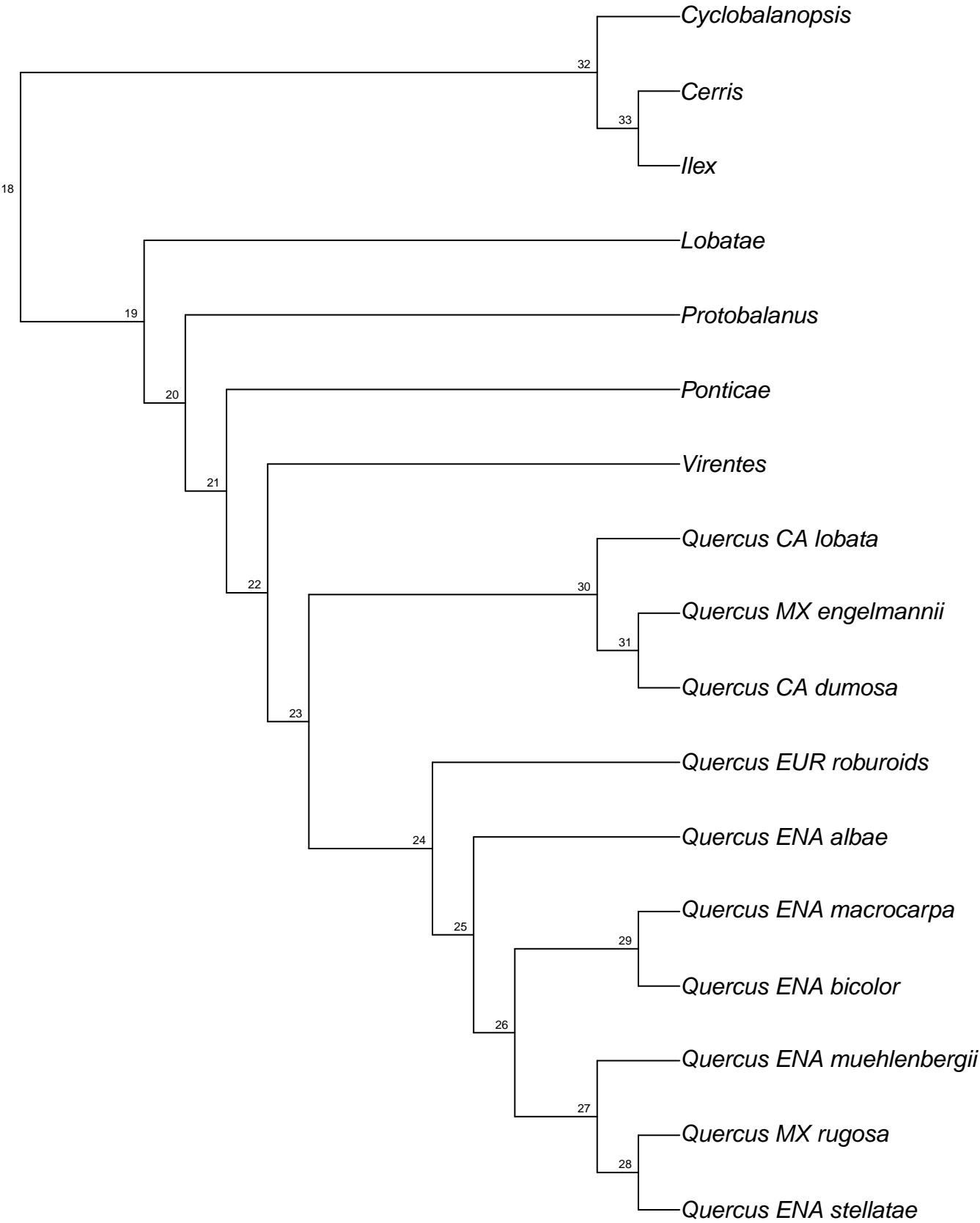


refRAD.ref\_glauca\_raxml.bt041

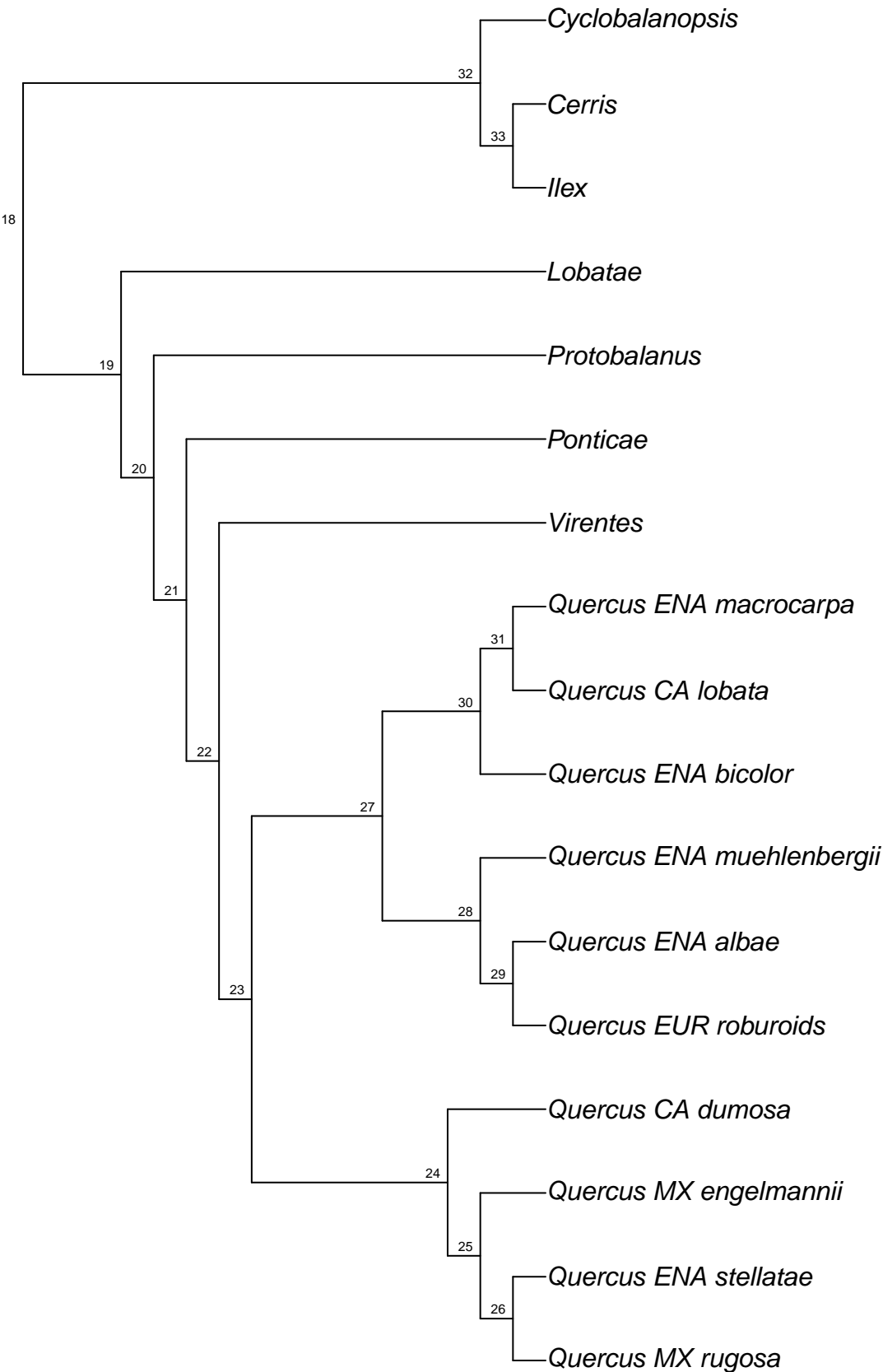




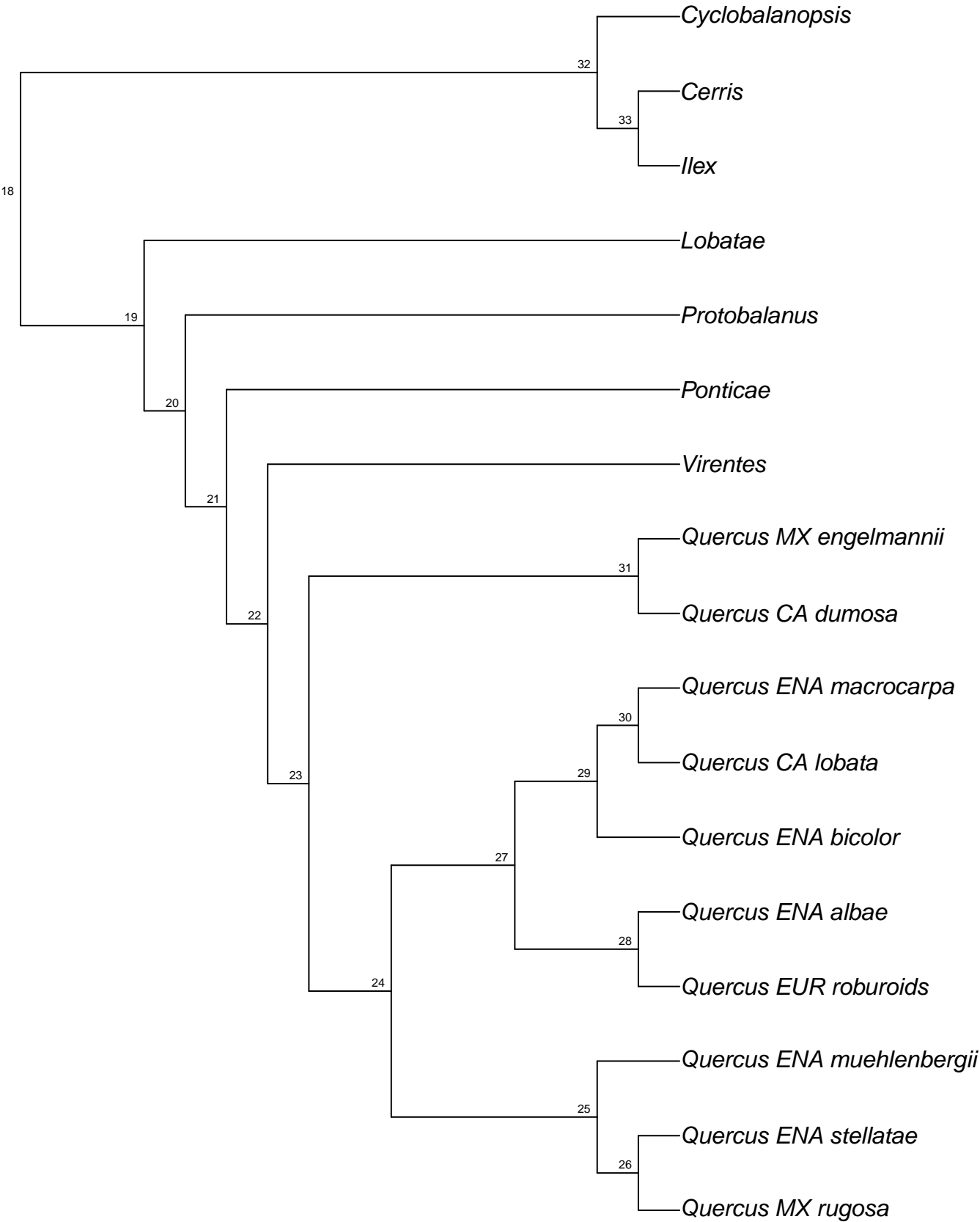
refRAD.ref\_glauca\_raxml.bt042



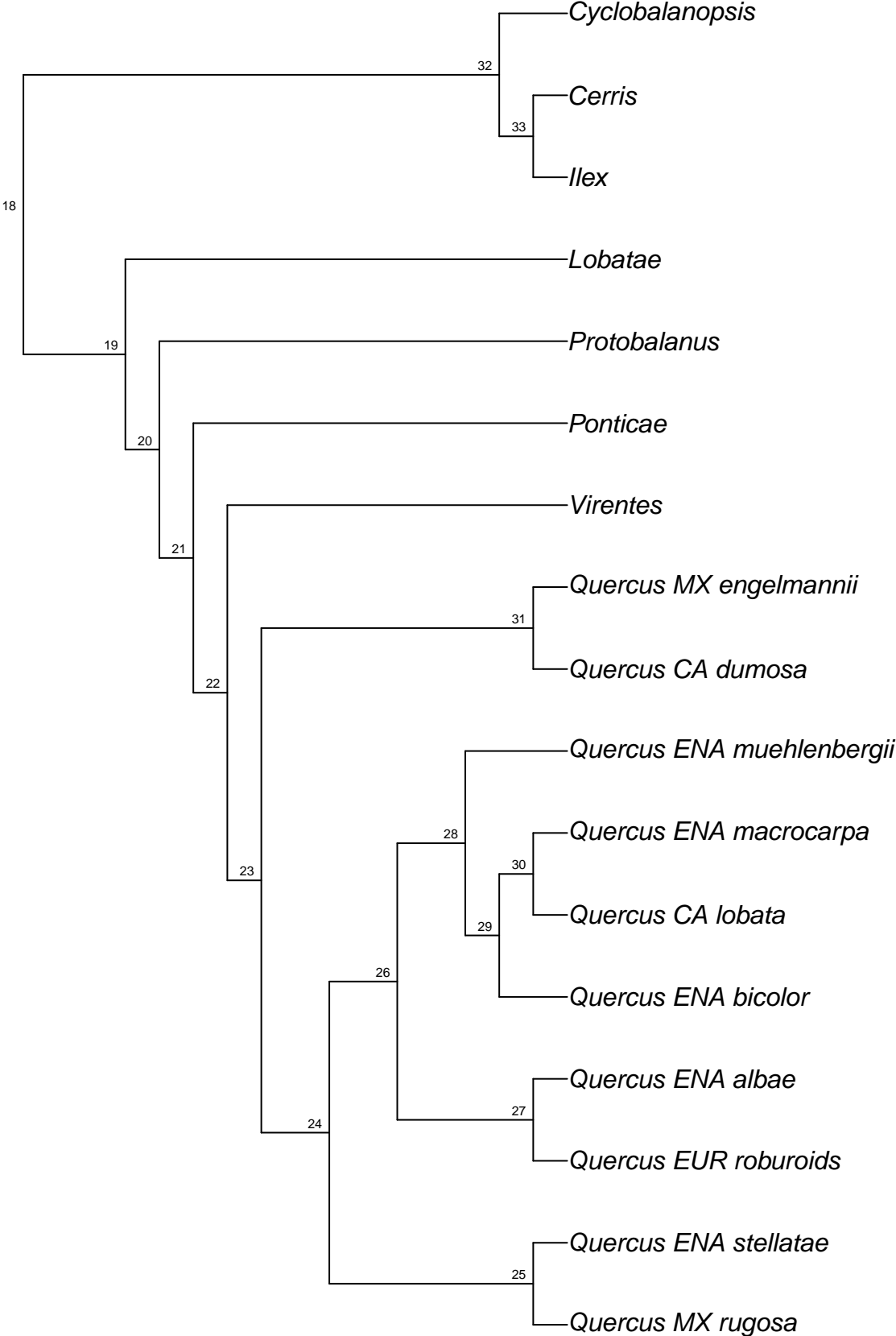
refRAD.ref\_glauca\_raxml.bt043



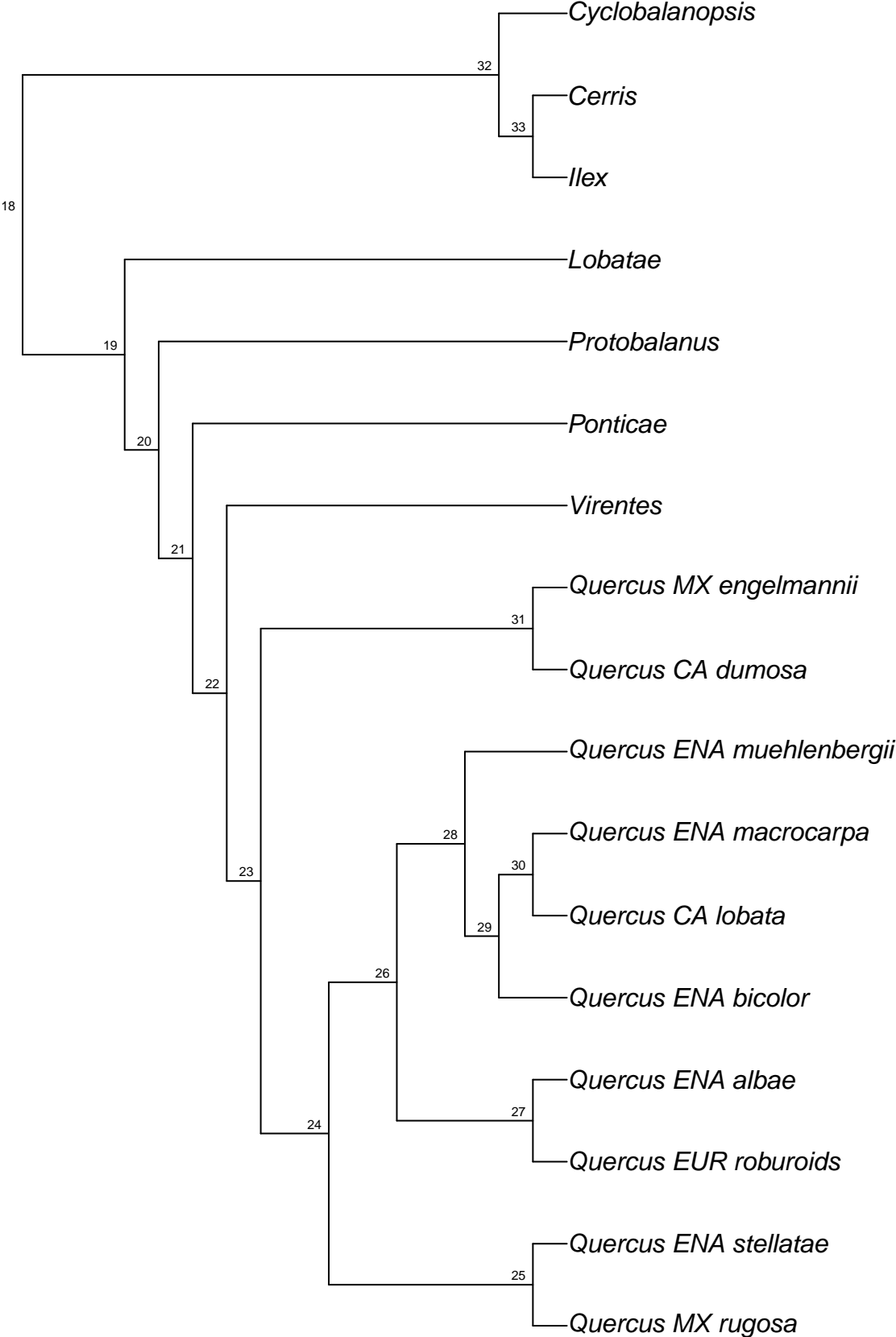
refRAD.ref\_glauca\_raxml.bt044



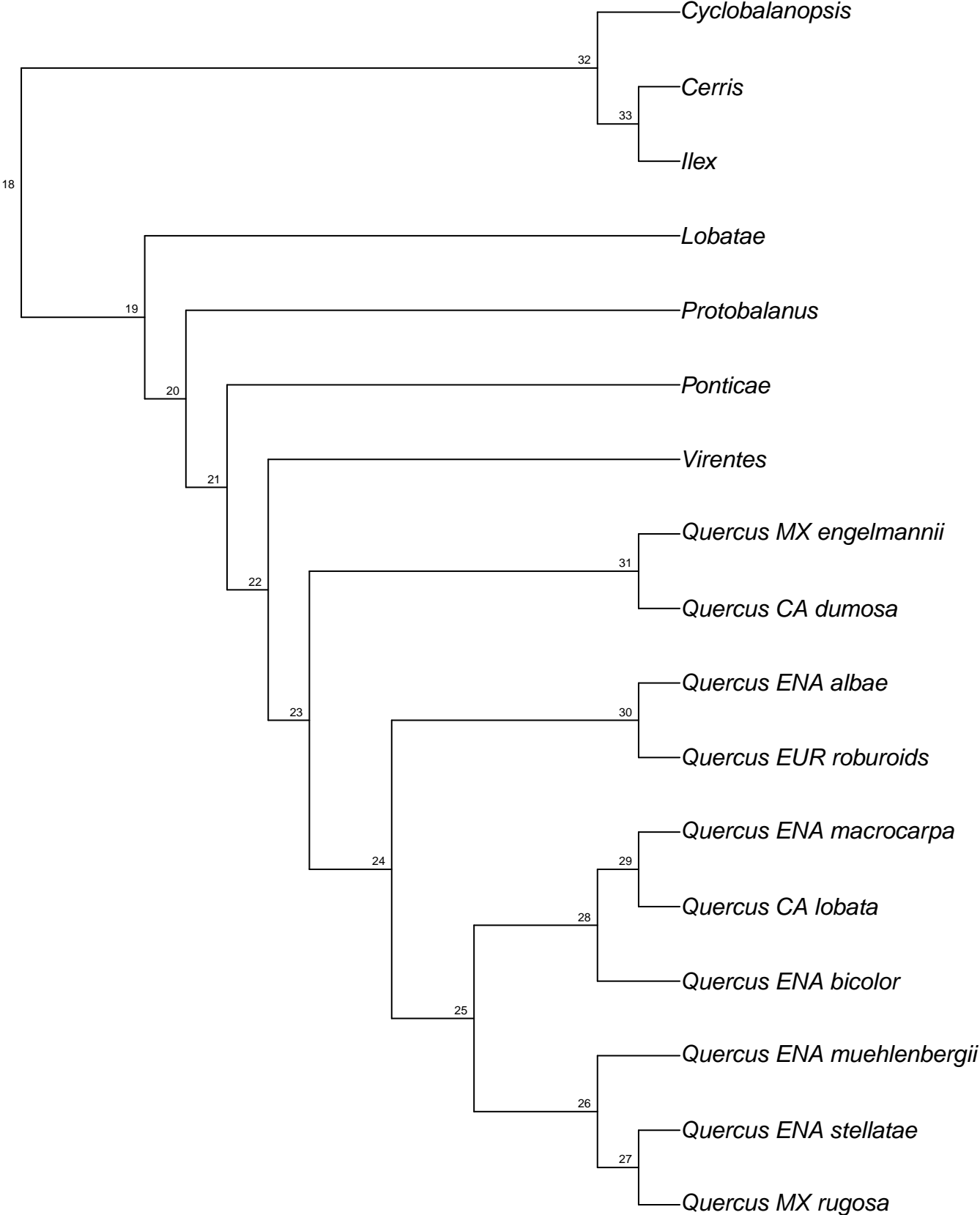
refRAD.ref\_glauca\_raxml.bt045



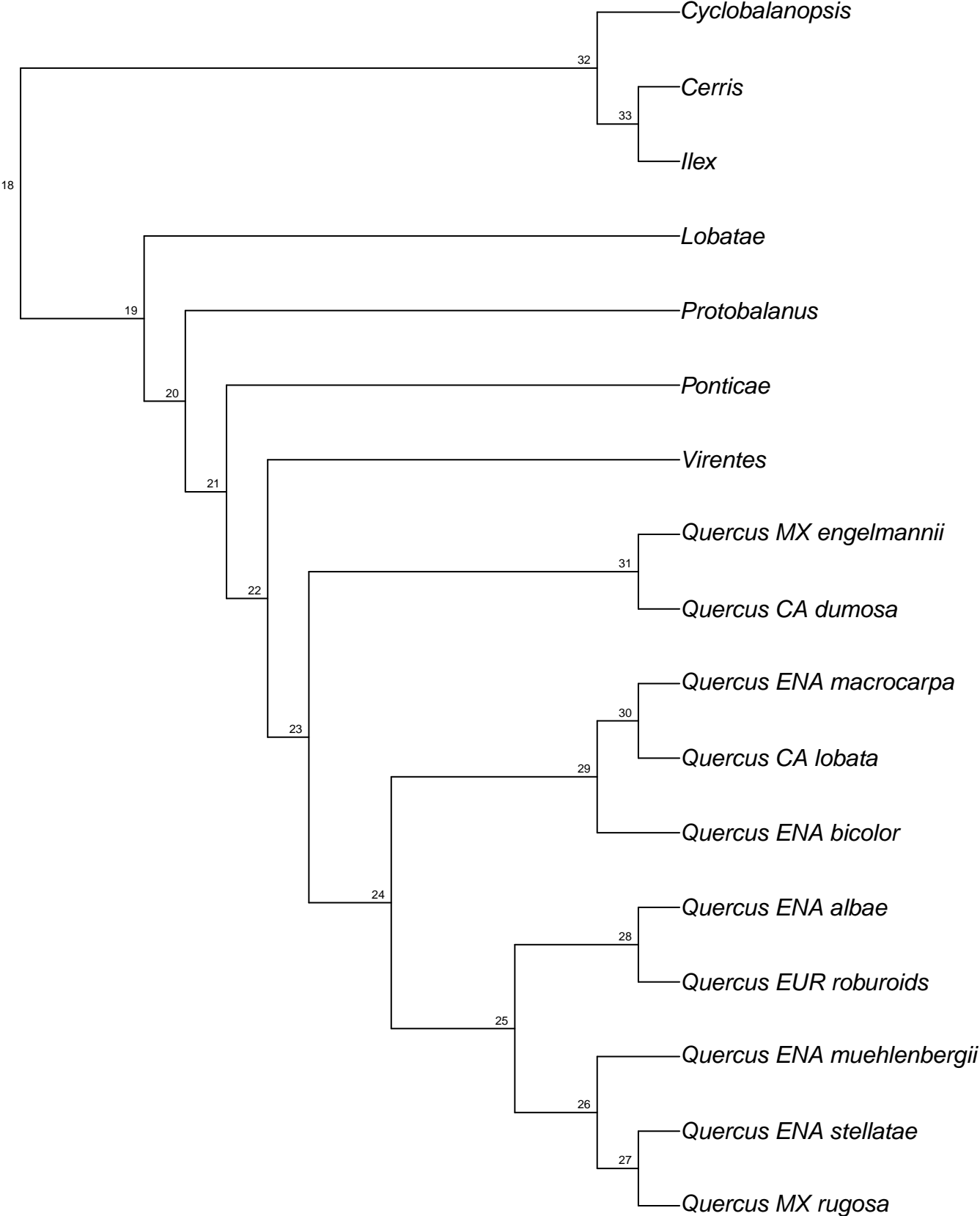
refRAD.ref\_glauca\_raxml.bt046



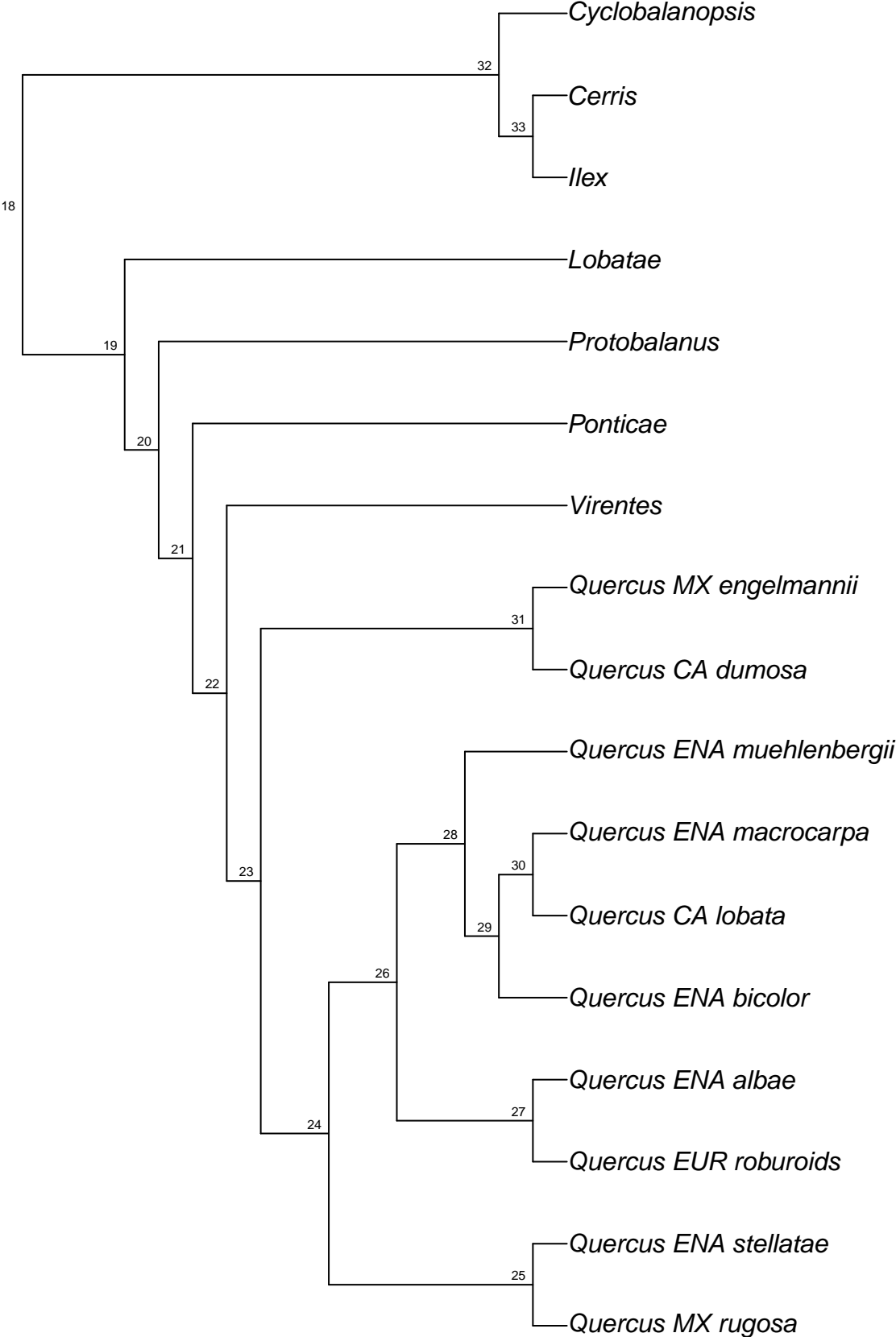
refRAD.ref\_glauca\_raxml.bt047



refRAD.ref\_glauca\_raxml.bt048

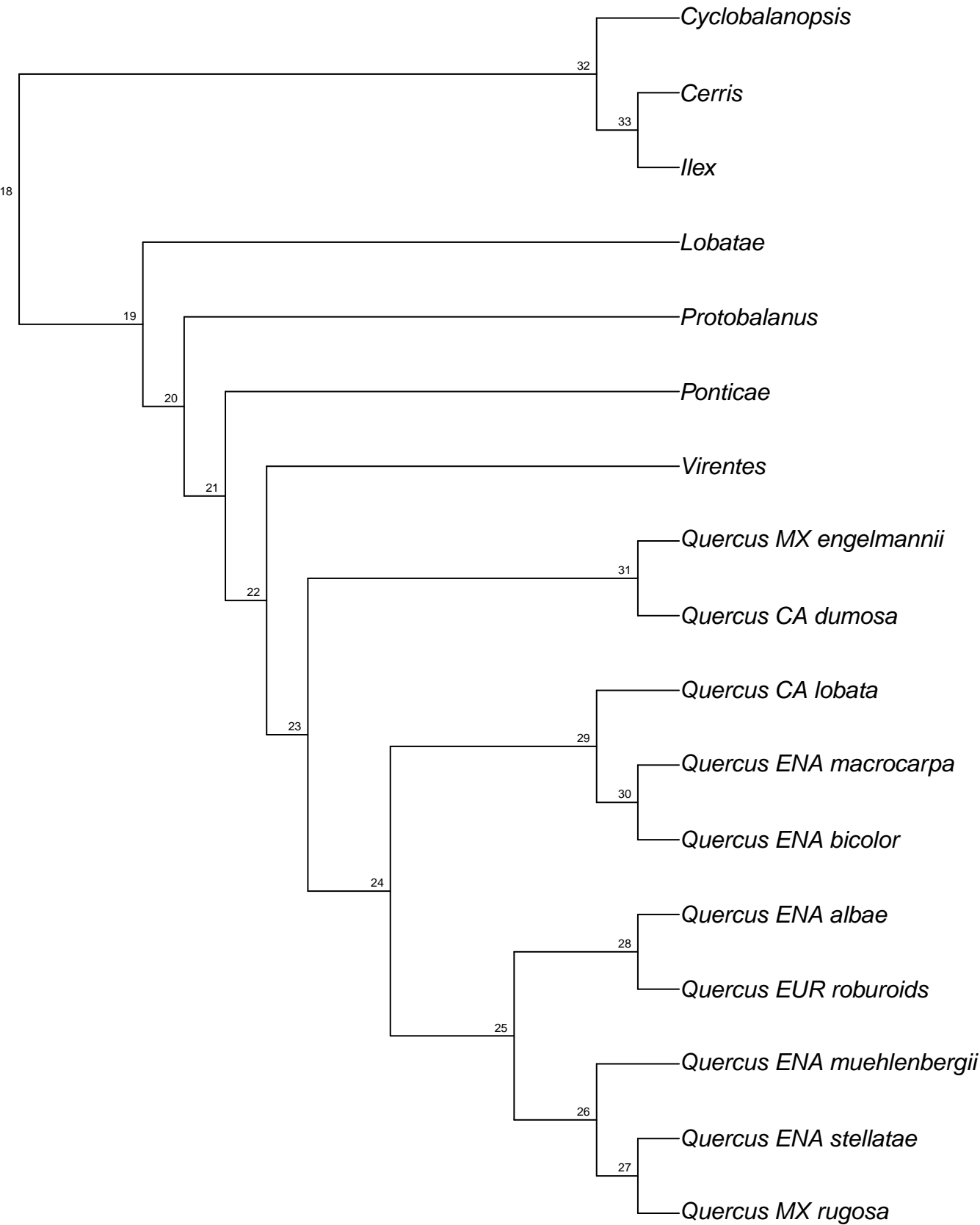


refRAD.ref\_glauca\_raxml.bt049

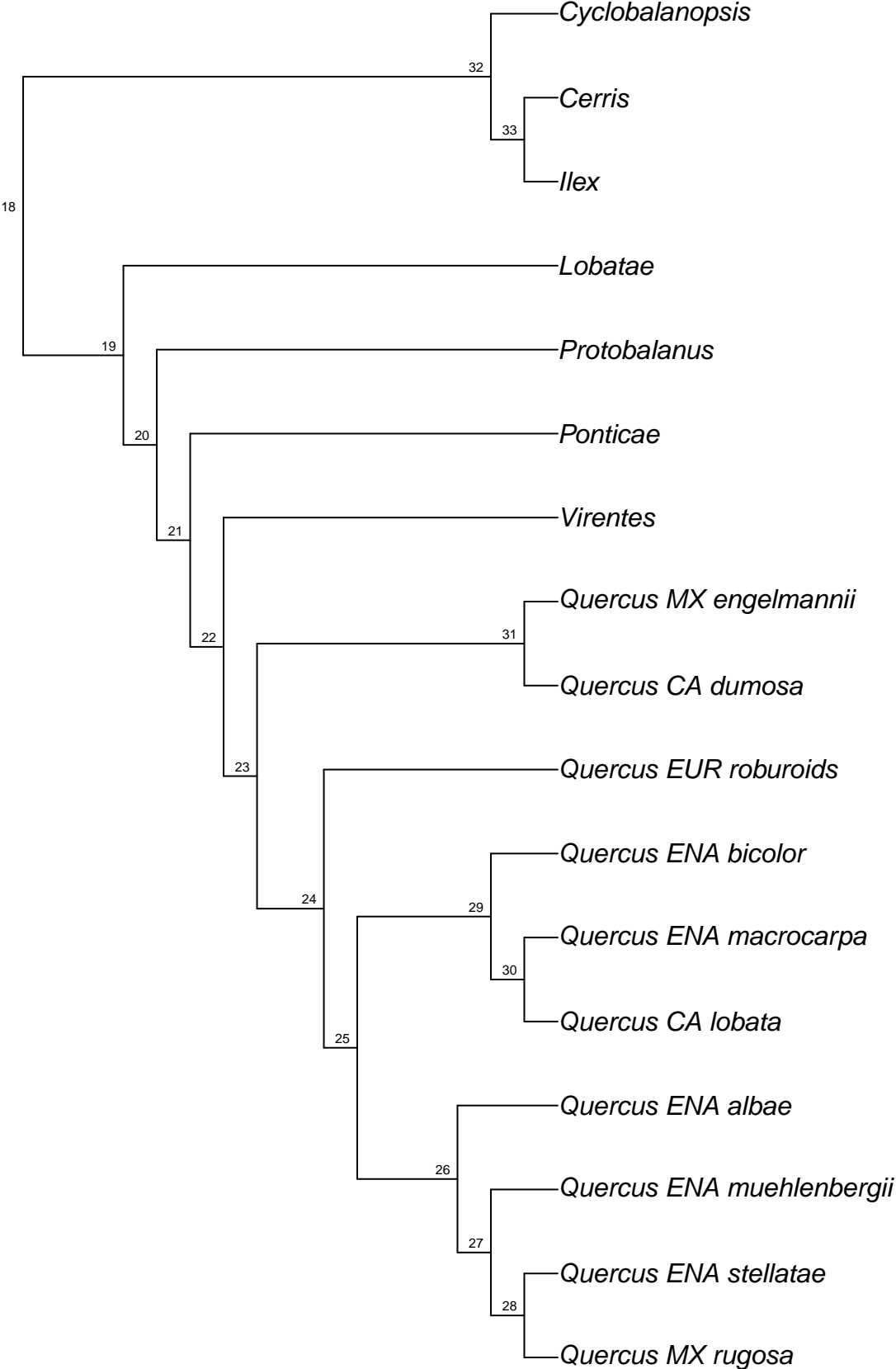




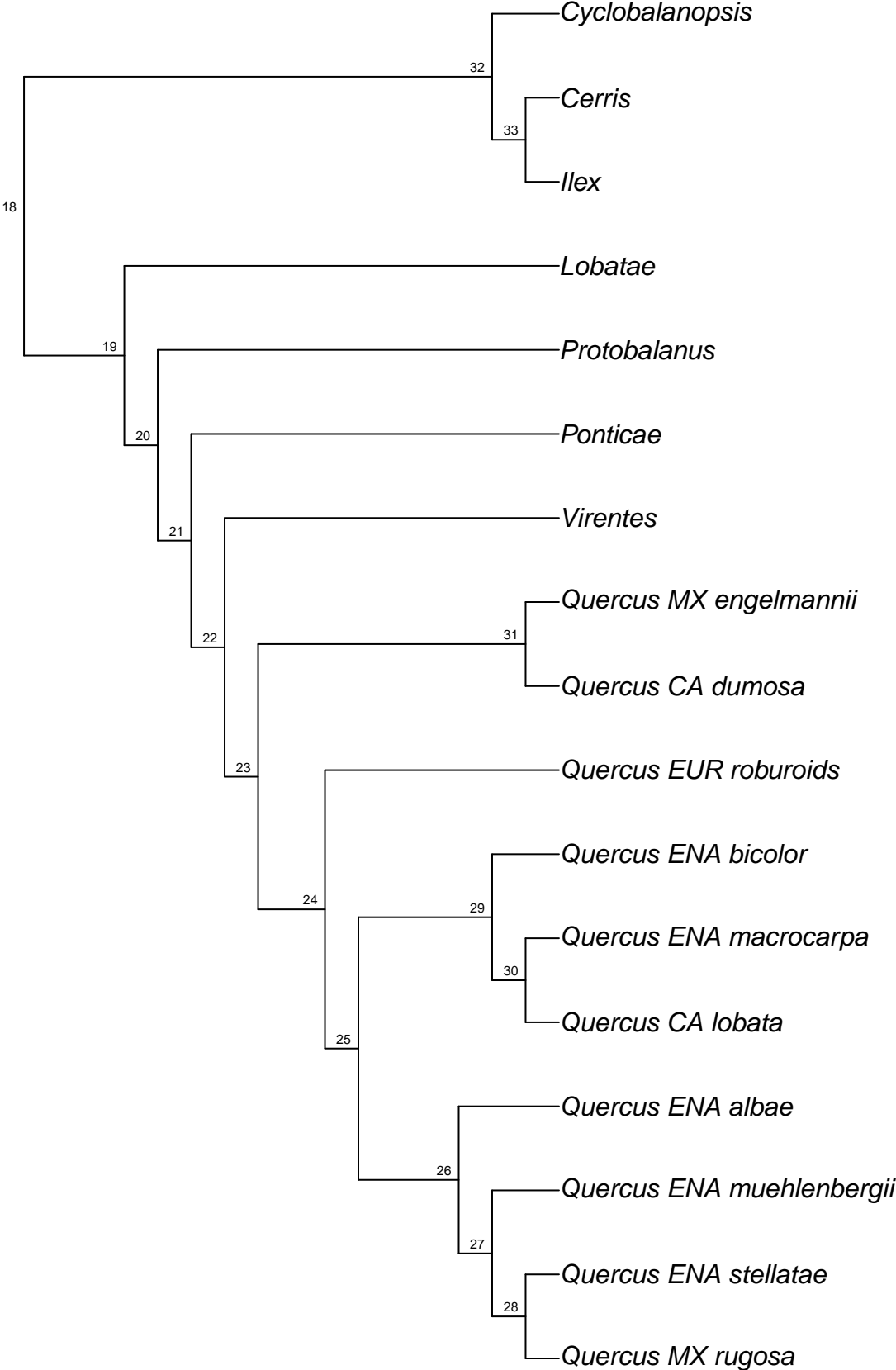
refRAD.ref\_glauca\_raxml.bt050



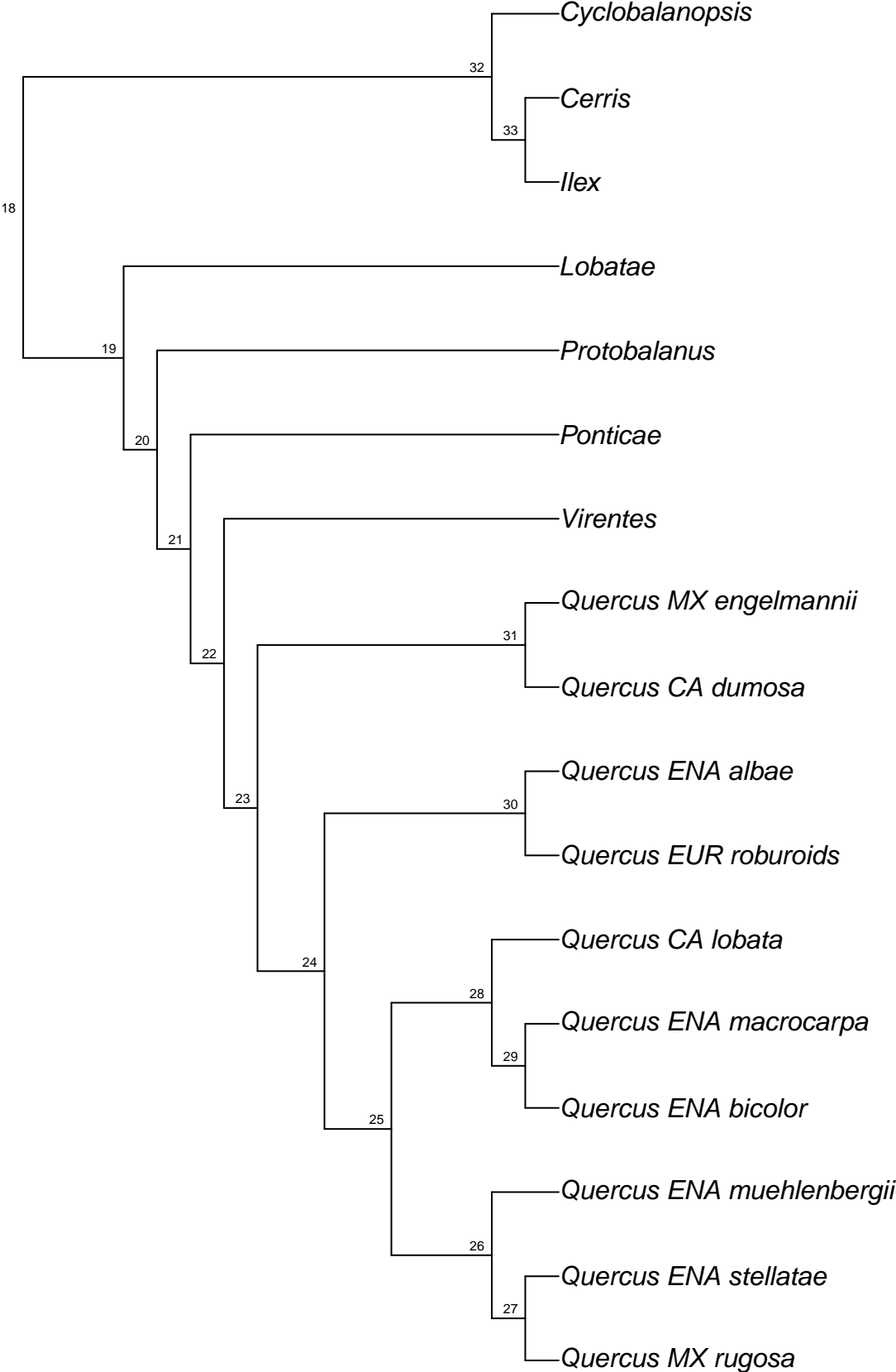
refRAD.ref\_glauca\_raxml.bt051



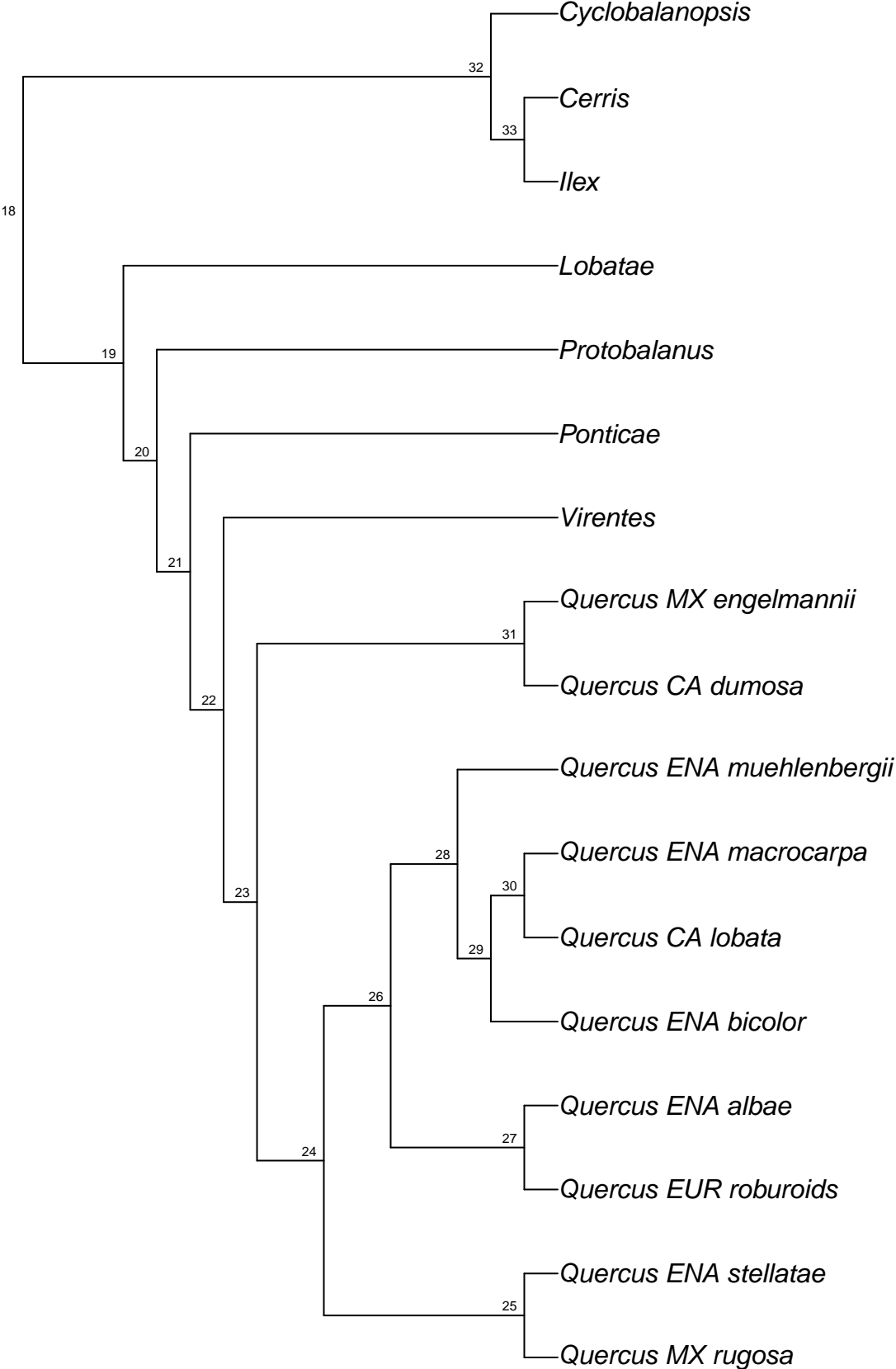
refRAD.ref\_glauca\_raxml.bt052



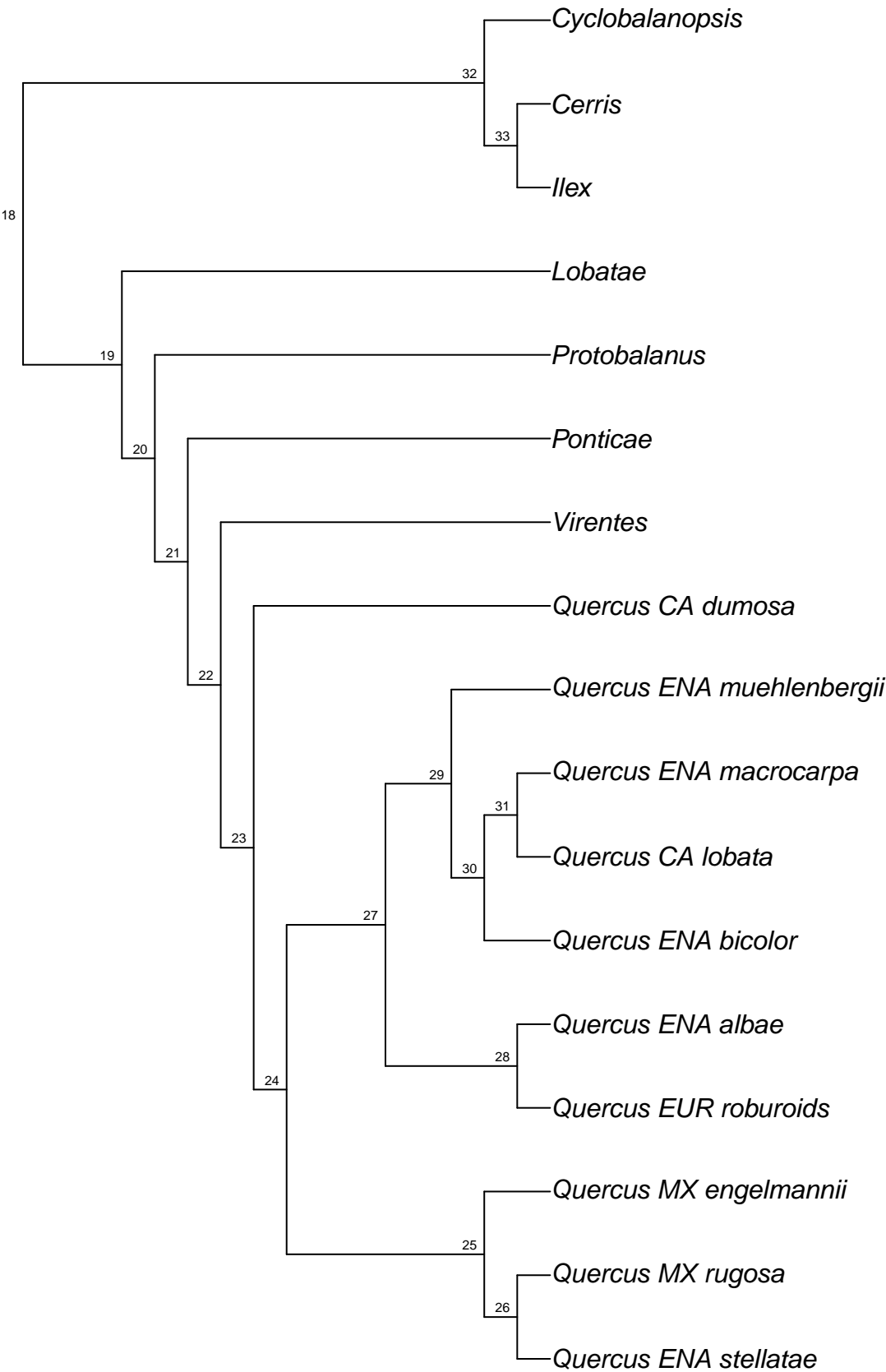
refRAD.ref\_glauca\_raxml.bt053



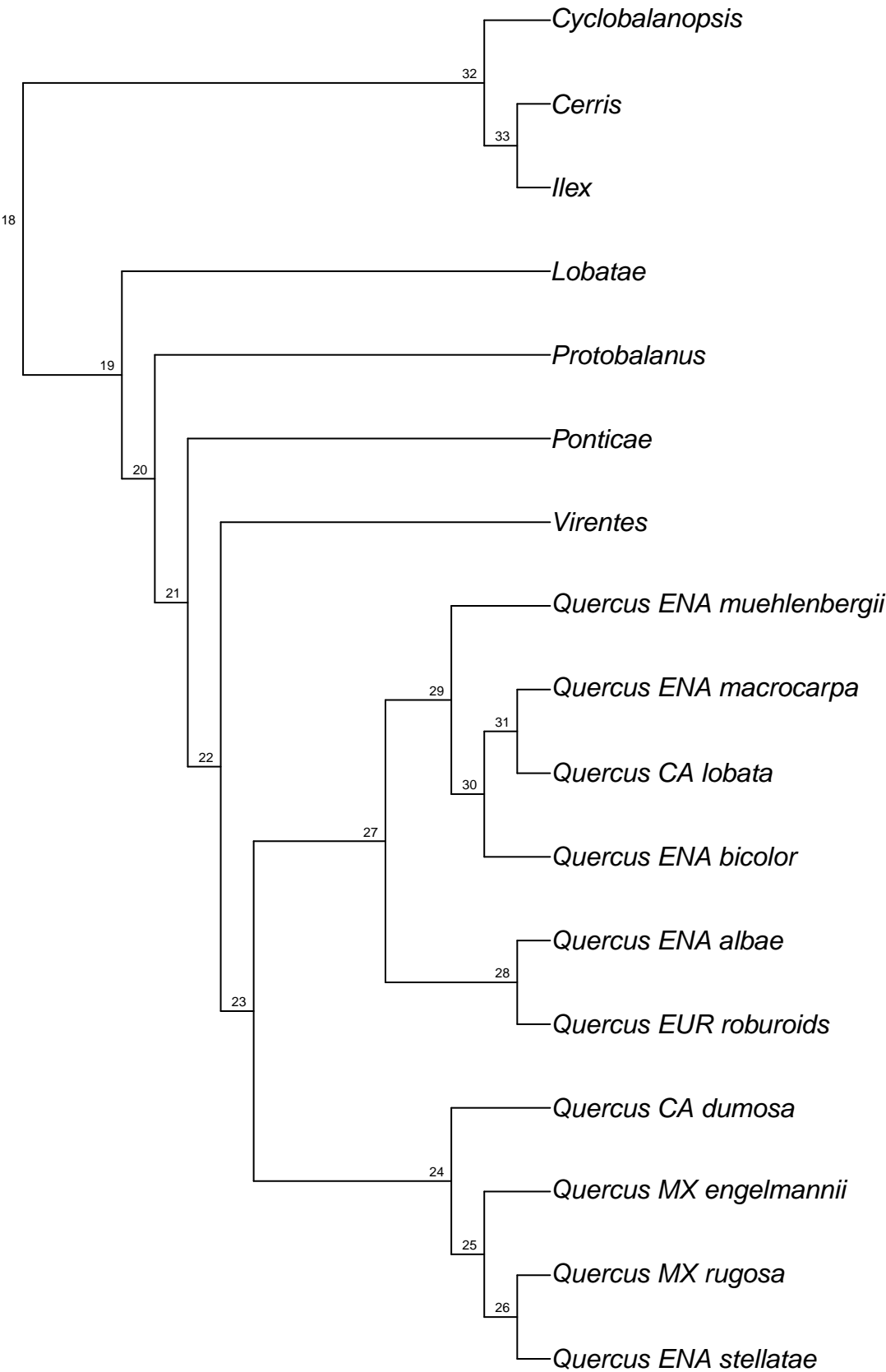
refRAD.ref\_glauca\_raxml.bt054



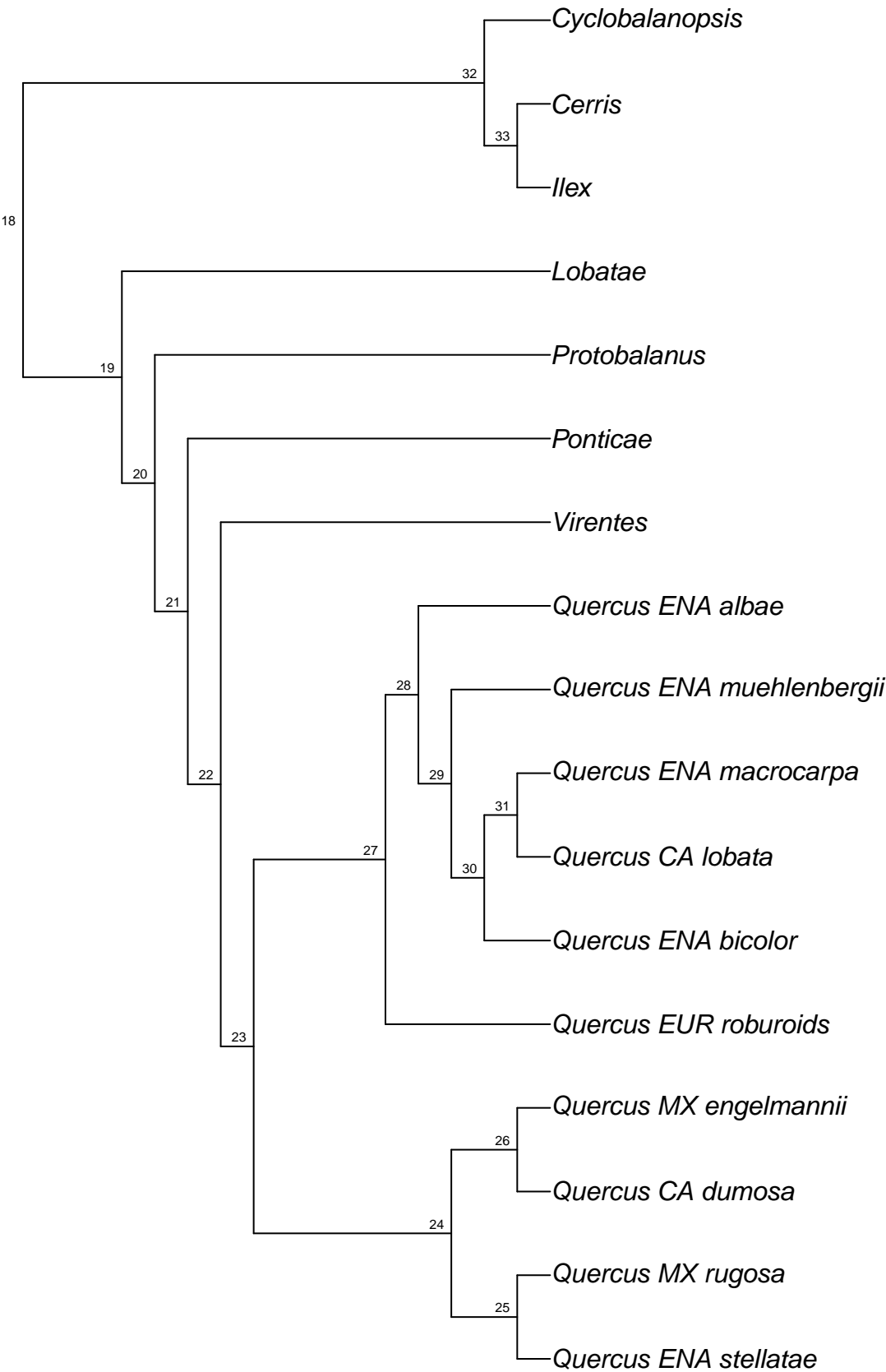
refRAD.ref\_glauca\_raxml.bt055



refRAD.ref\_glauca\_raxml.bt056

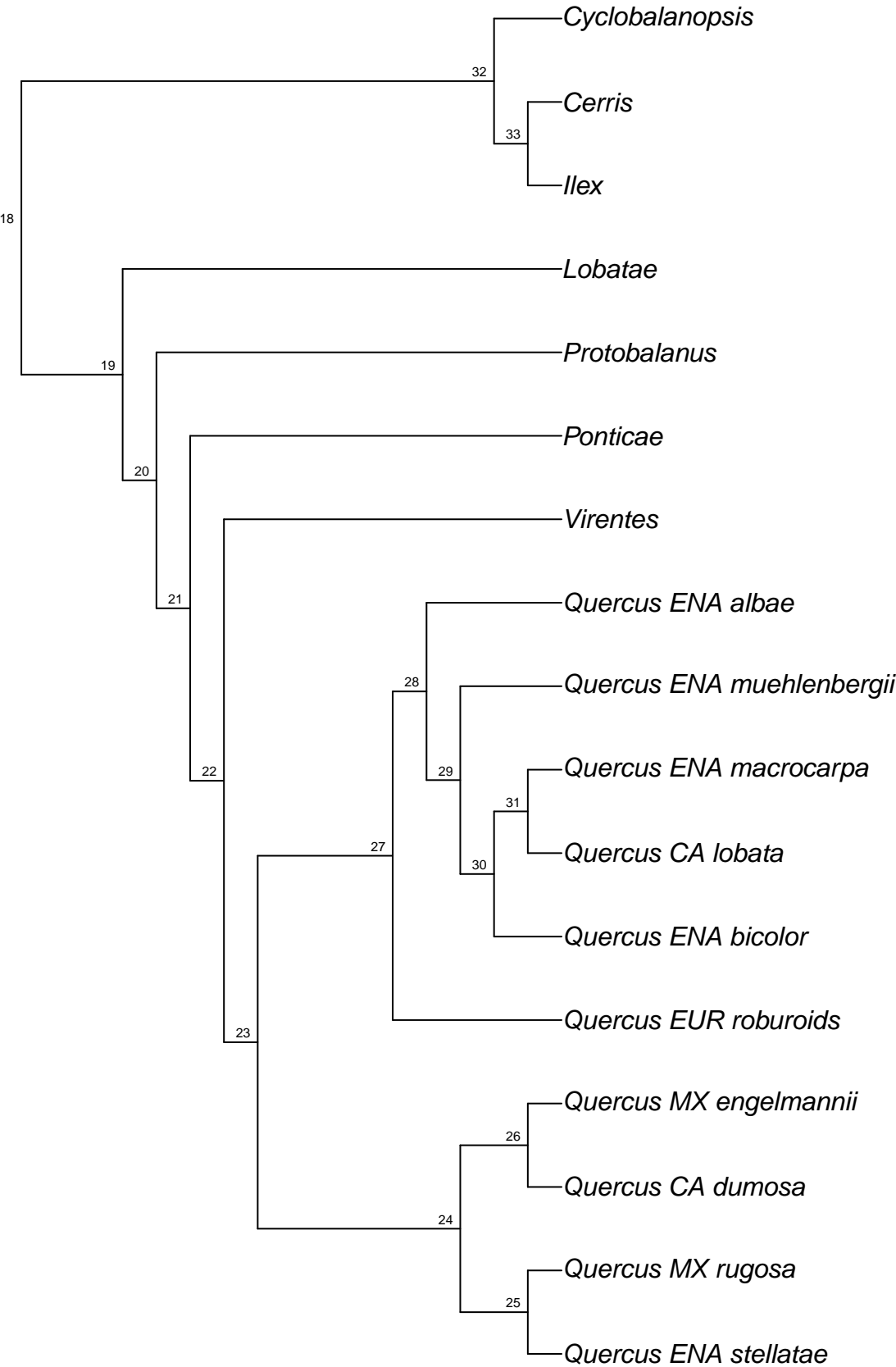


refRAD.ref\_glauca\_raxml.bt057

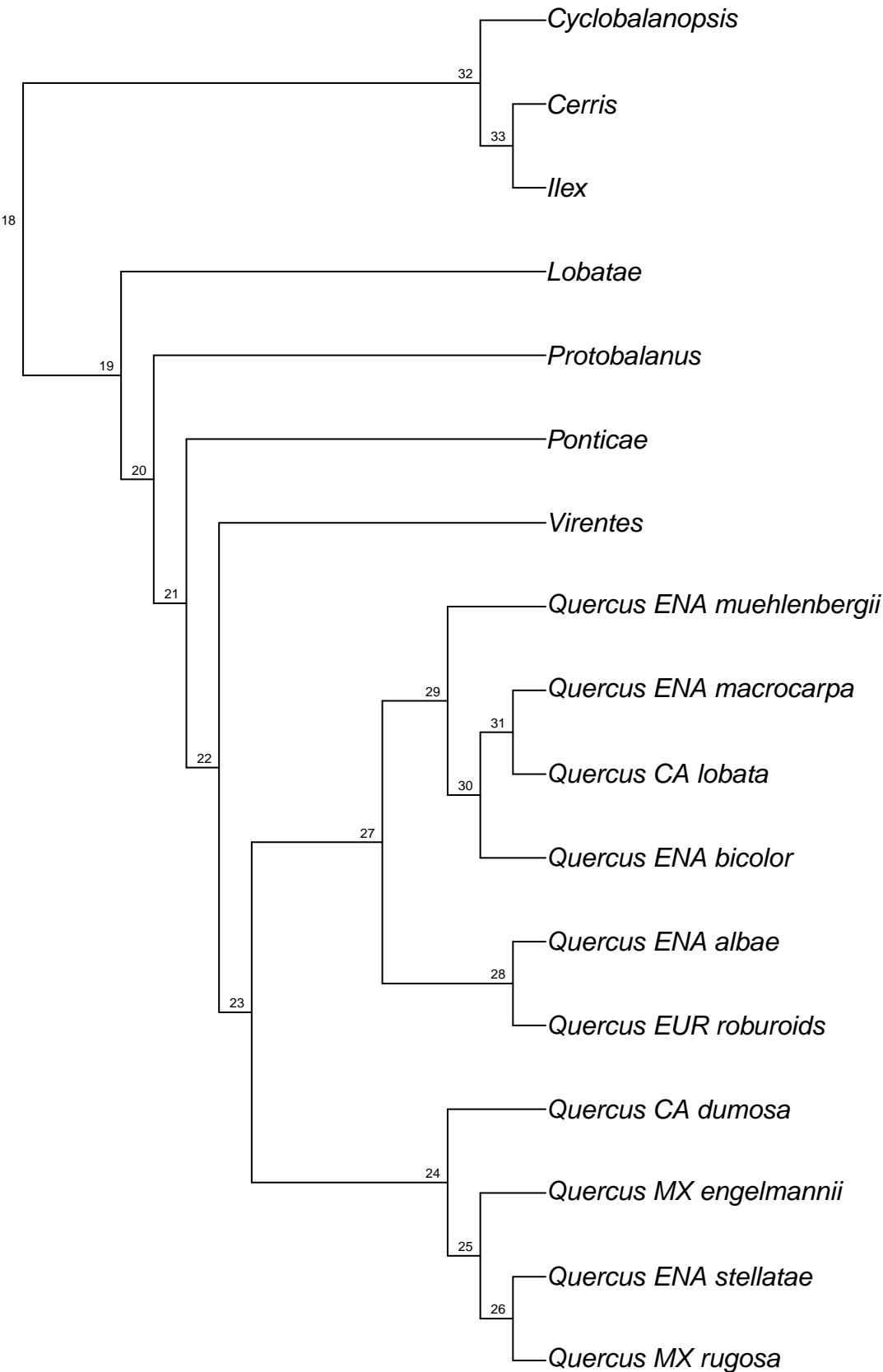




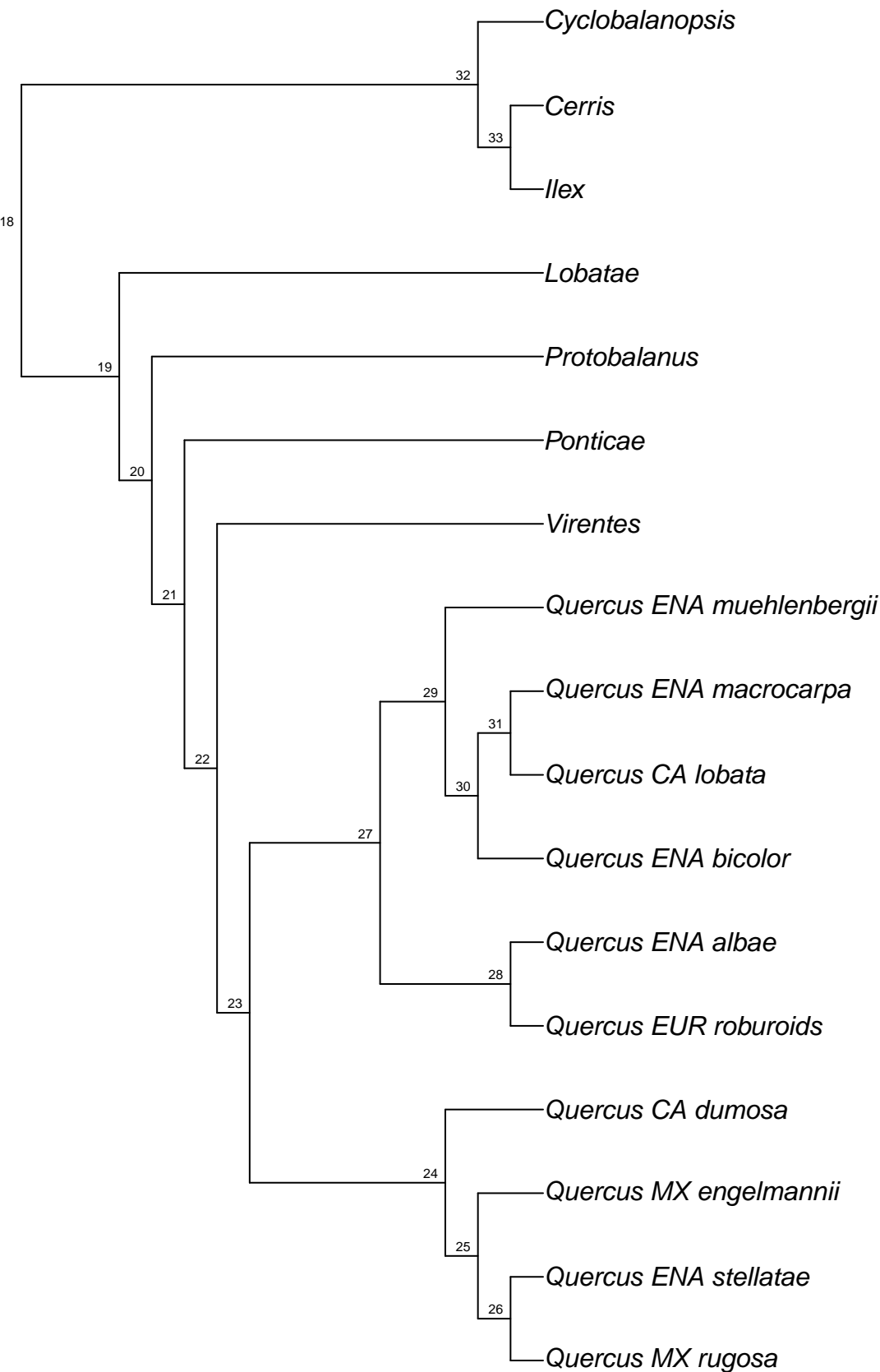
refRAD.ref\_glauca\_raxml.bt058



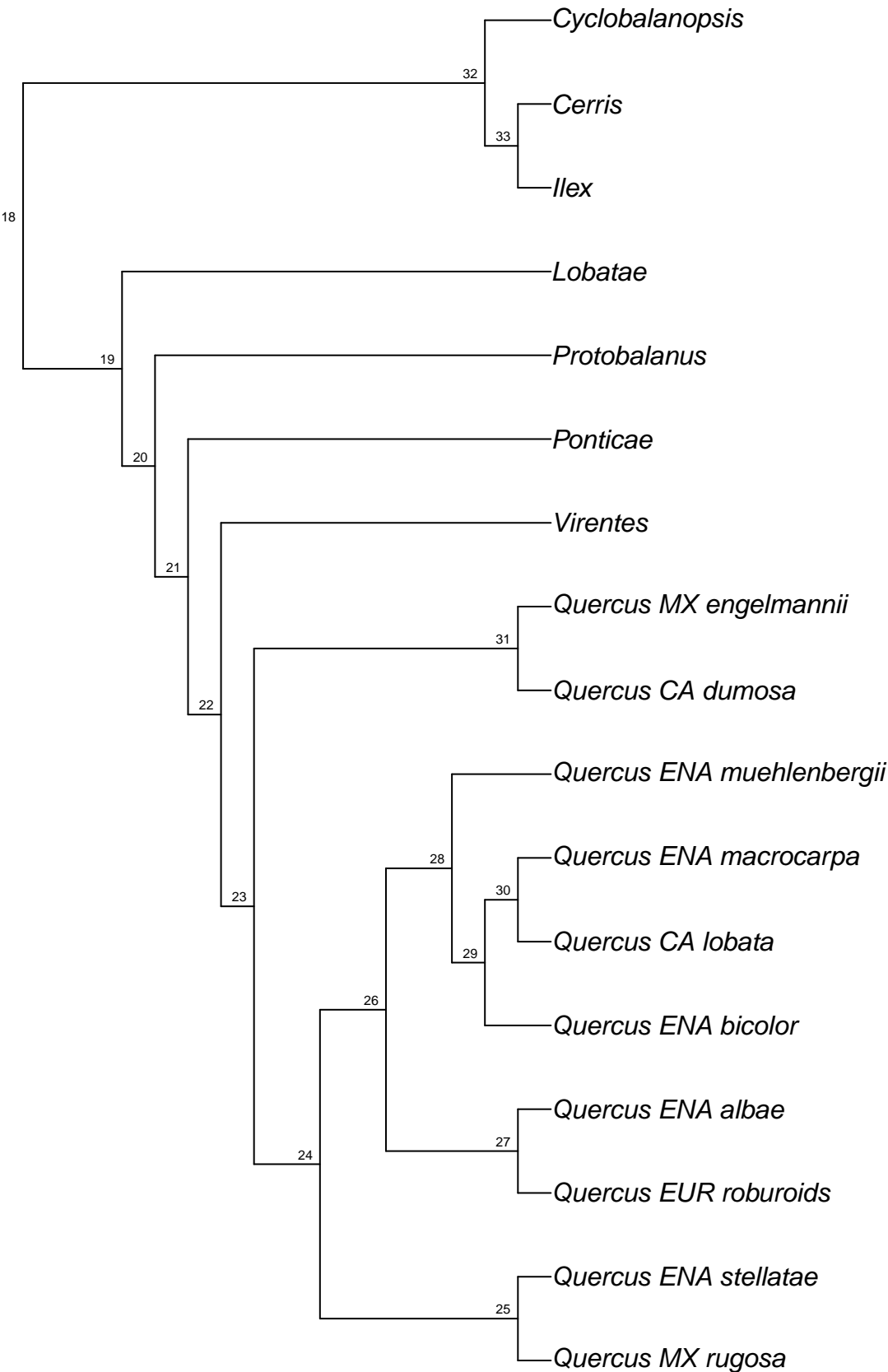
refRAD.ref\_glauca\_raxml.bt059



refRAD.ref\_glauca\_raxml.bt060



refRAD.ref\_glauca\_raxml.bt061

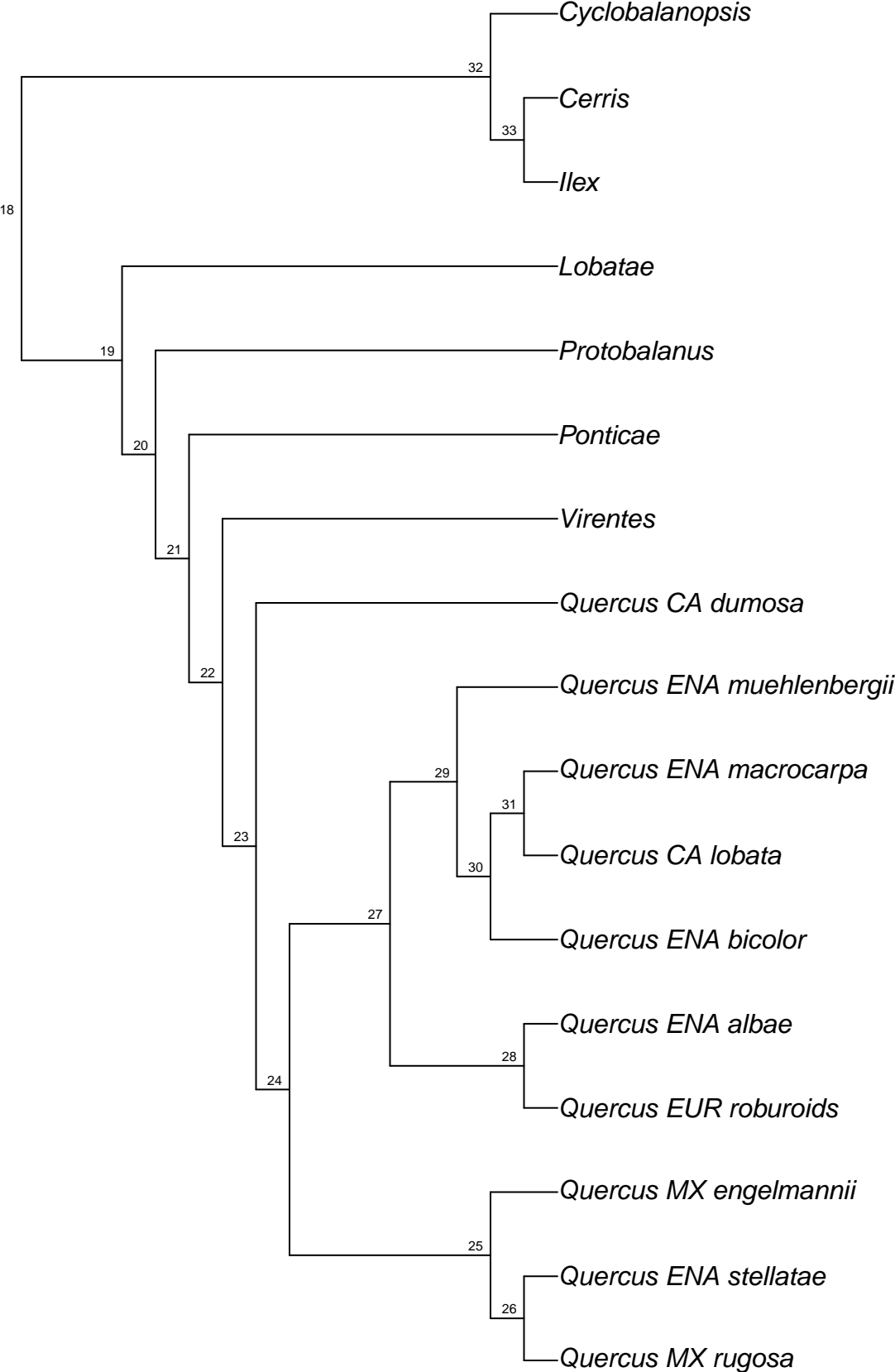


Phylogenetic tree showing relationships between various species, rooted at node 18. Bootstrap values are indicated at nodes 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, and 33.

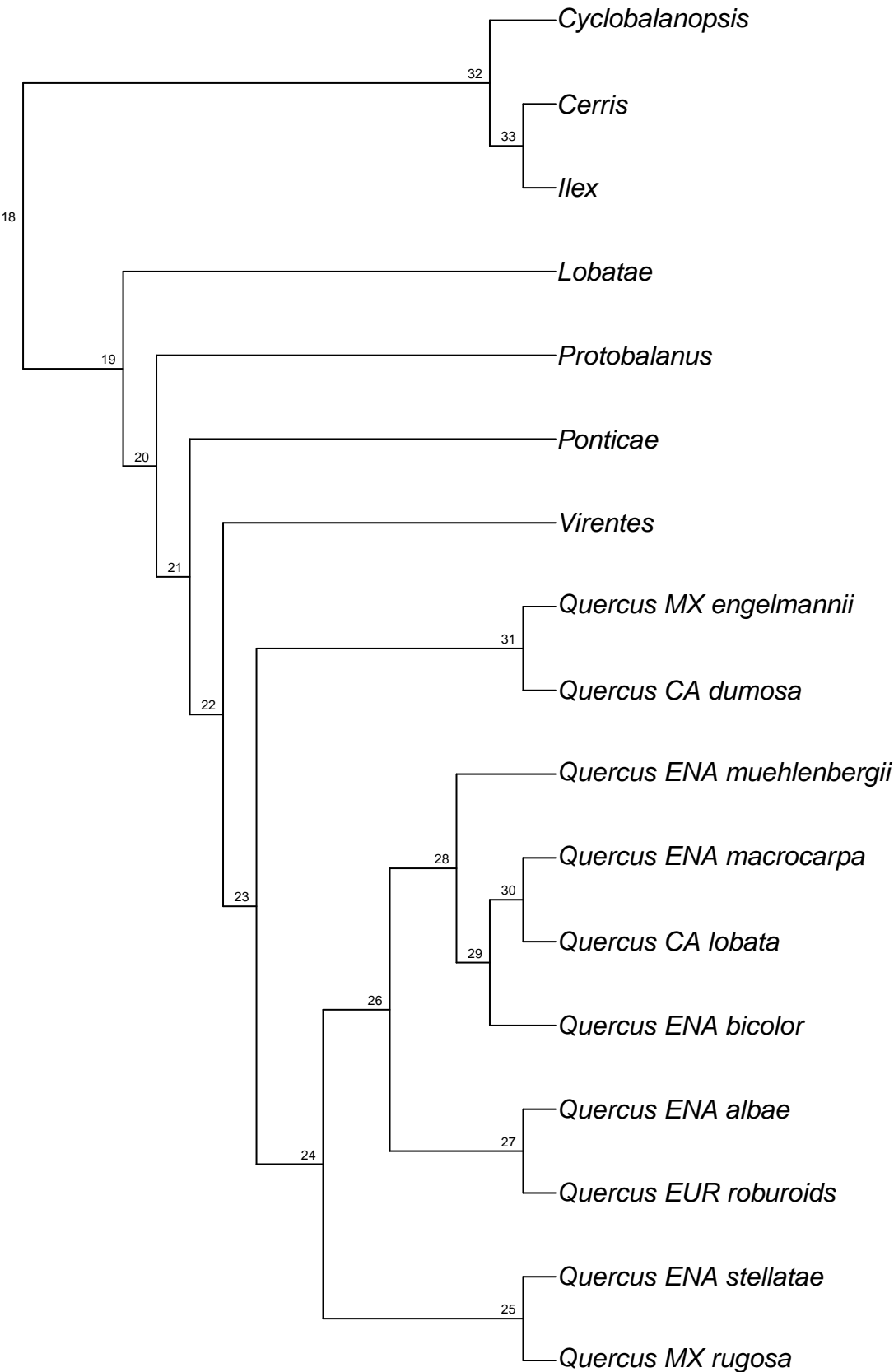
Species names (from top to bottom):

- Cyclobalanopsis*
- Cerris*
- Ilex*
- Lobatae*
- Protobalanus*
- Ponticae*
- Virentes*
- Quercus MX engelmannii*
- Quercus CA dumosa*
- Quercus ENA muehlenbergii*
- Quercus ENA macrocarpa*
- Quercus CA lobata*
- Quercus ENA bicolor*
- Quercus ENA albae*
- Quercus EUR roburoids*
- Quercus ENA stellatae*
- Quercus MX rugosa*

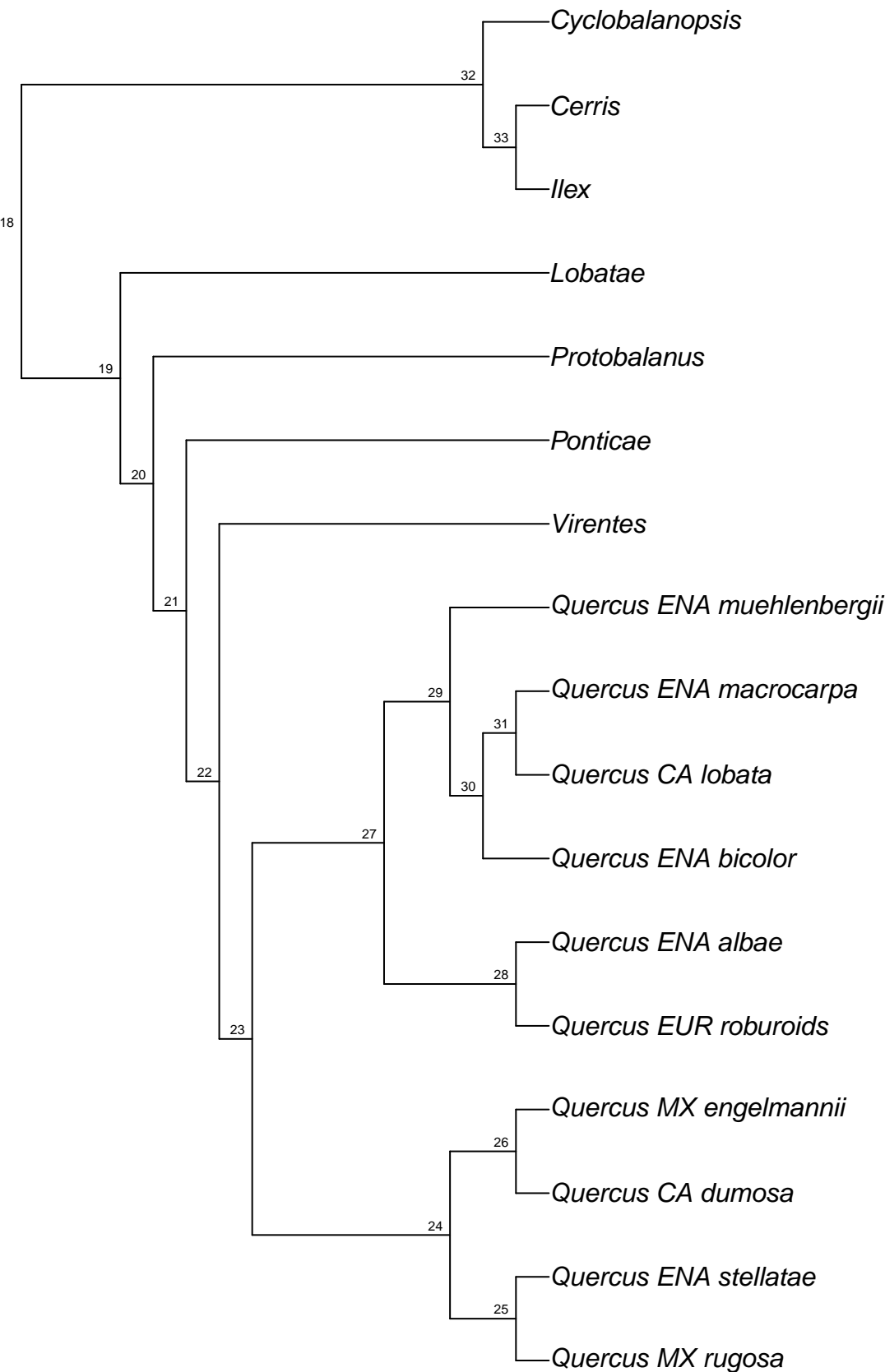
refRAD.ref\_glauca\_raxml.bt063



refRAD.ref\_glauca\_raxml.bt064

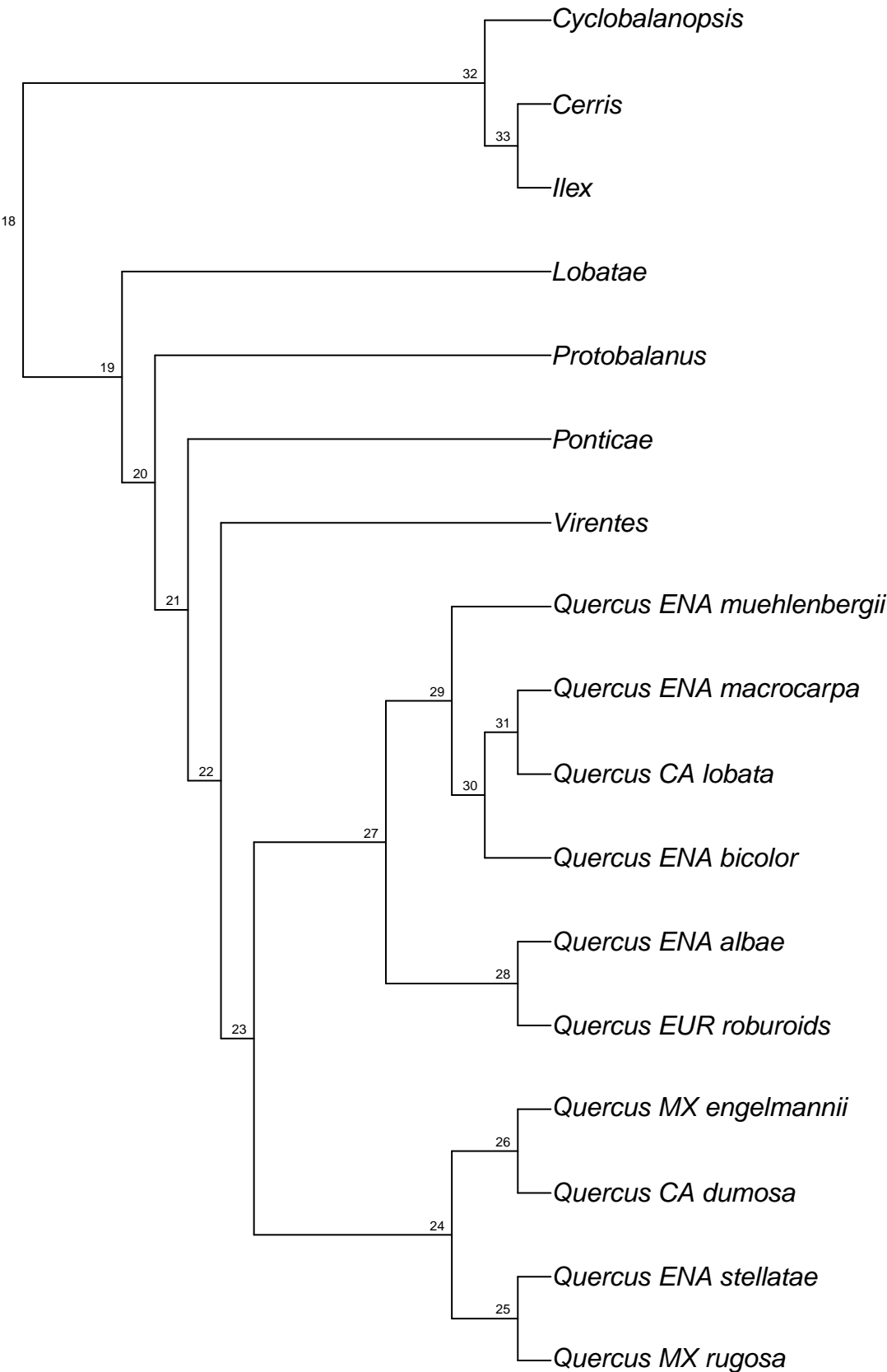


refRAD.ref\_glauca\_raxml.bt065

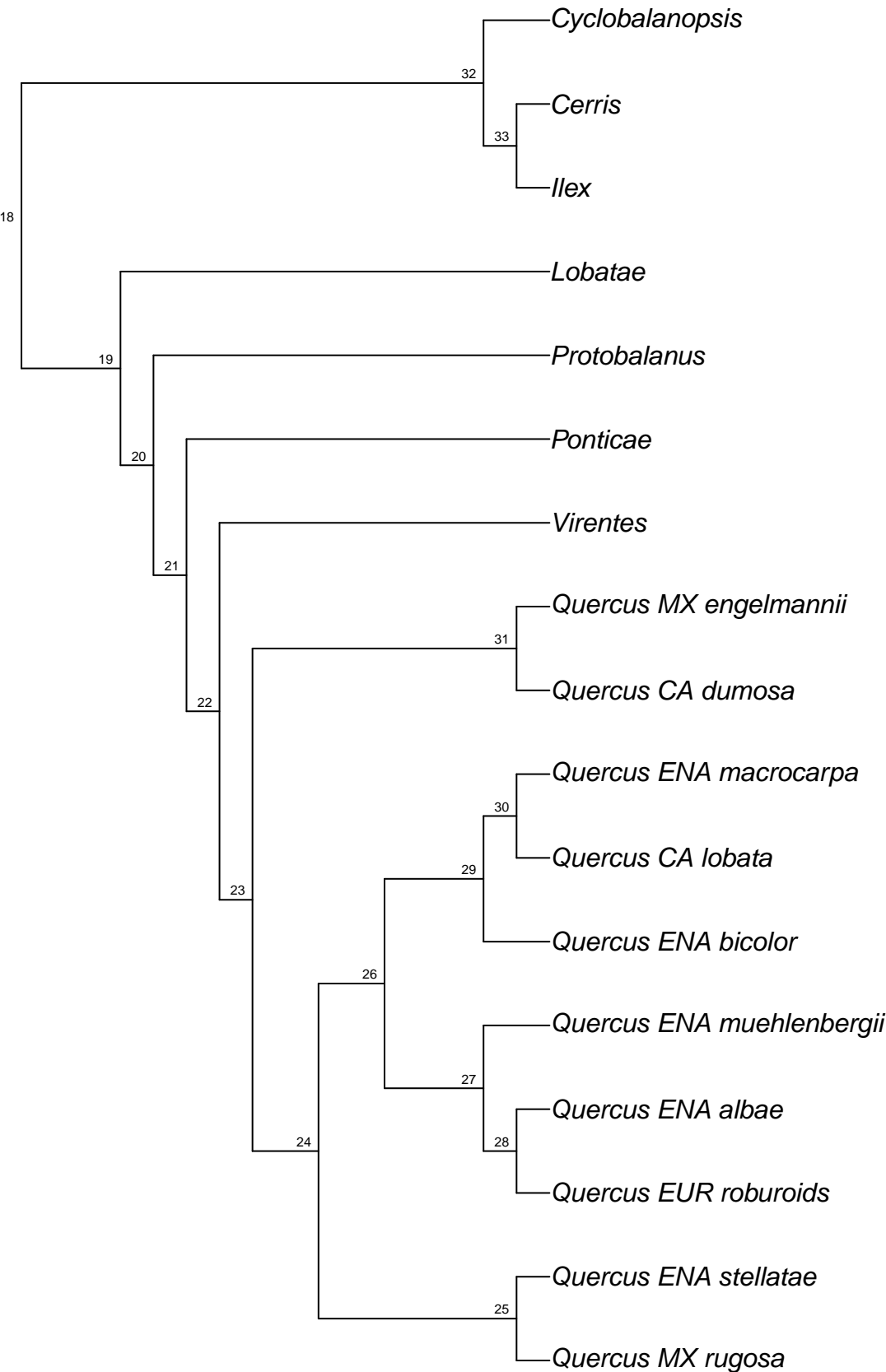




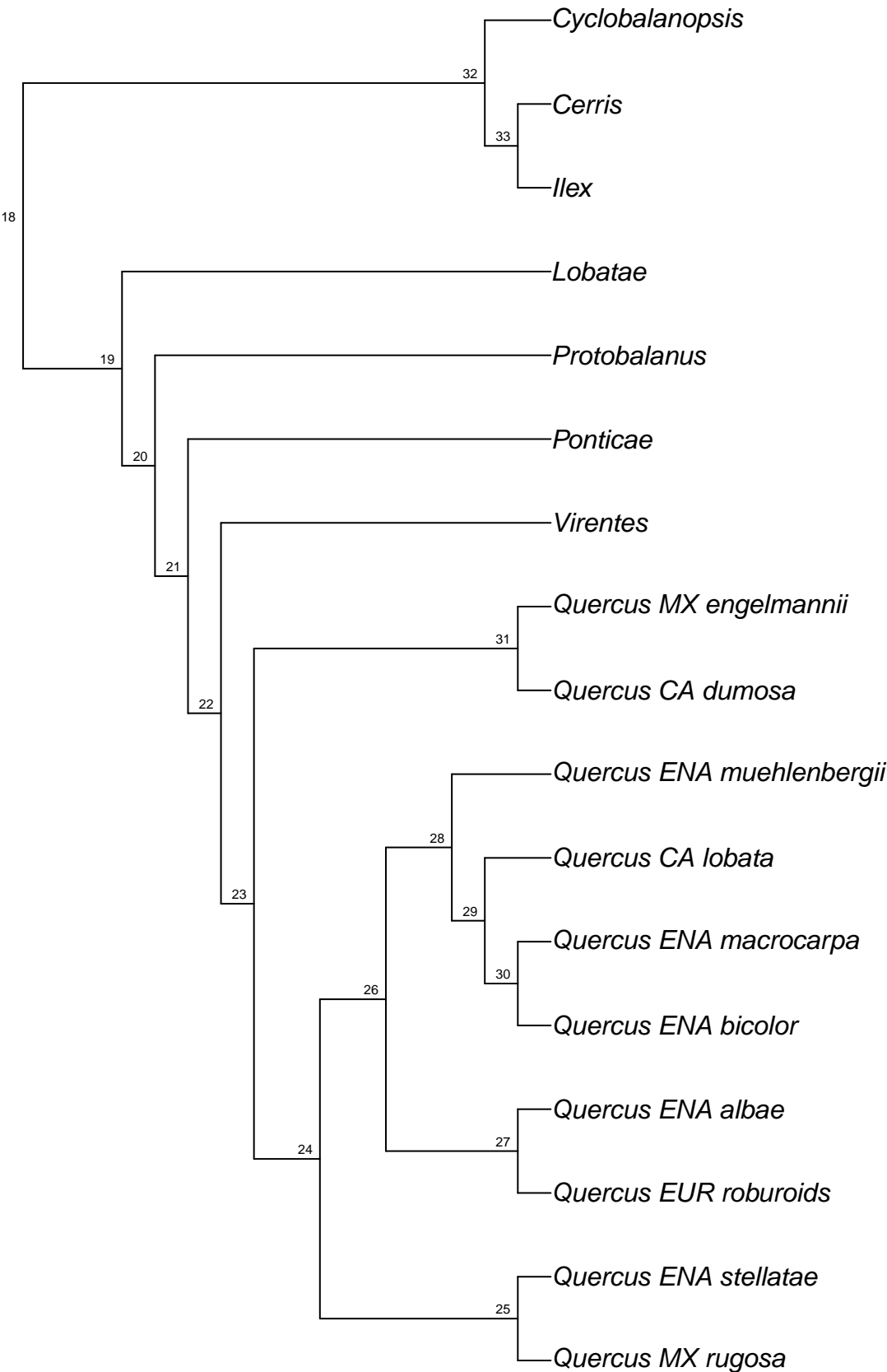
refRAD.ref\_glauca\_raxml.bt066



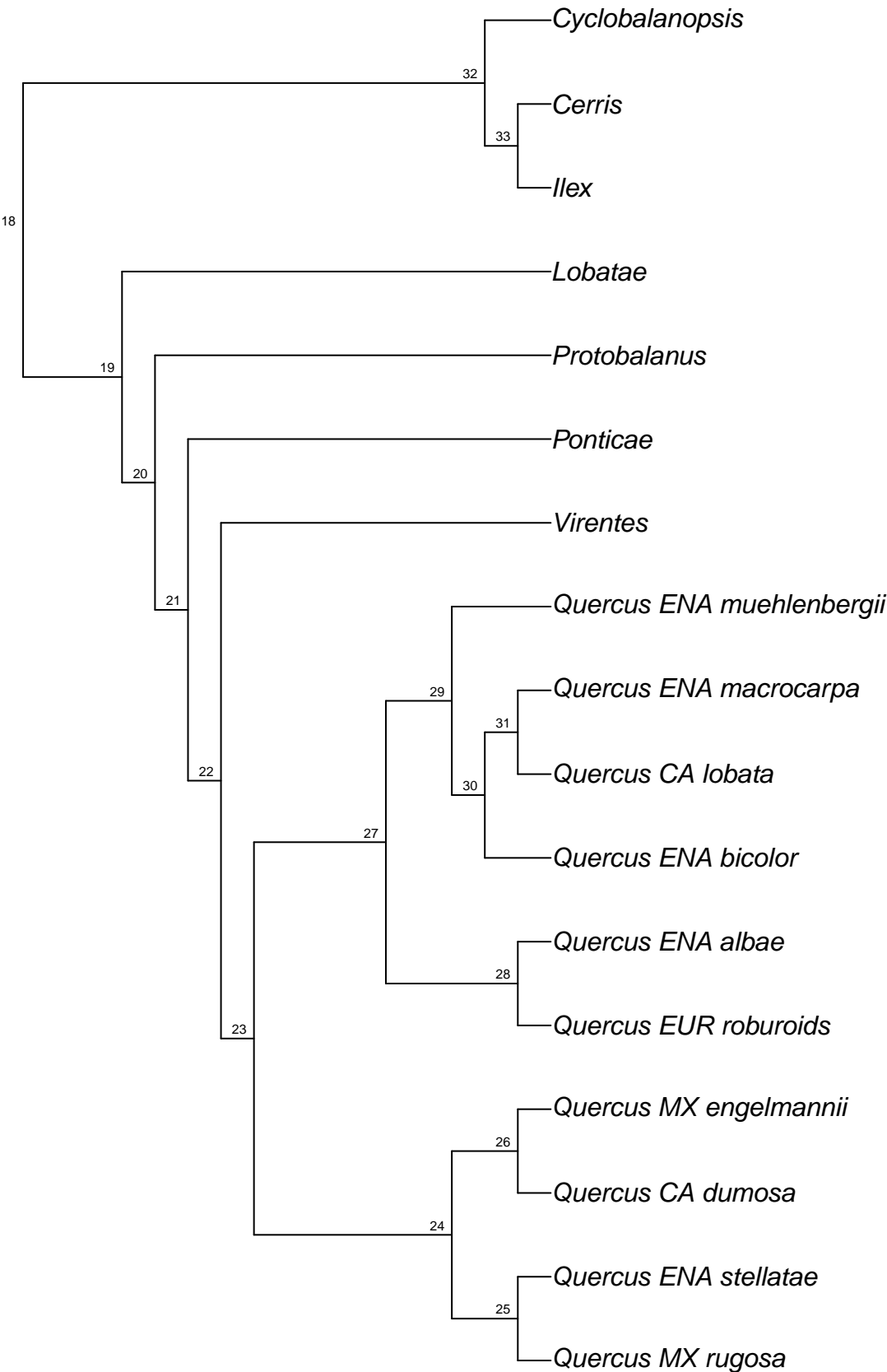
refRAD.ref\_glauca\_raxml.bt067



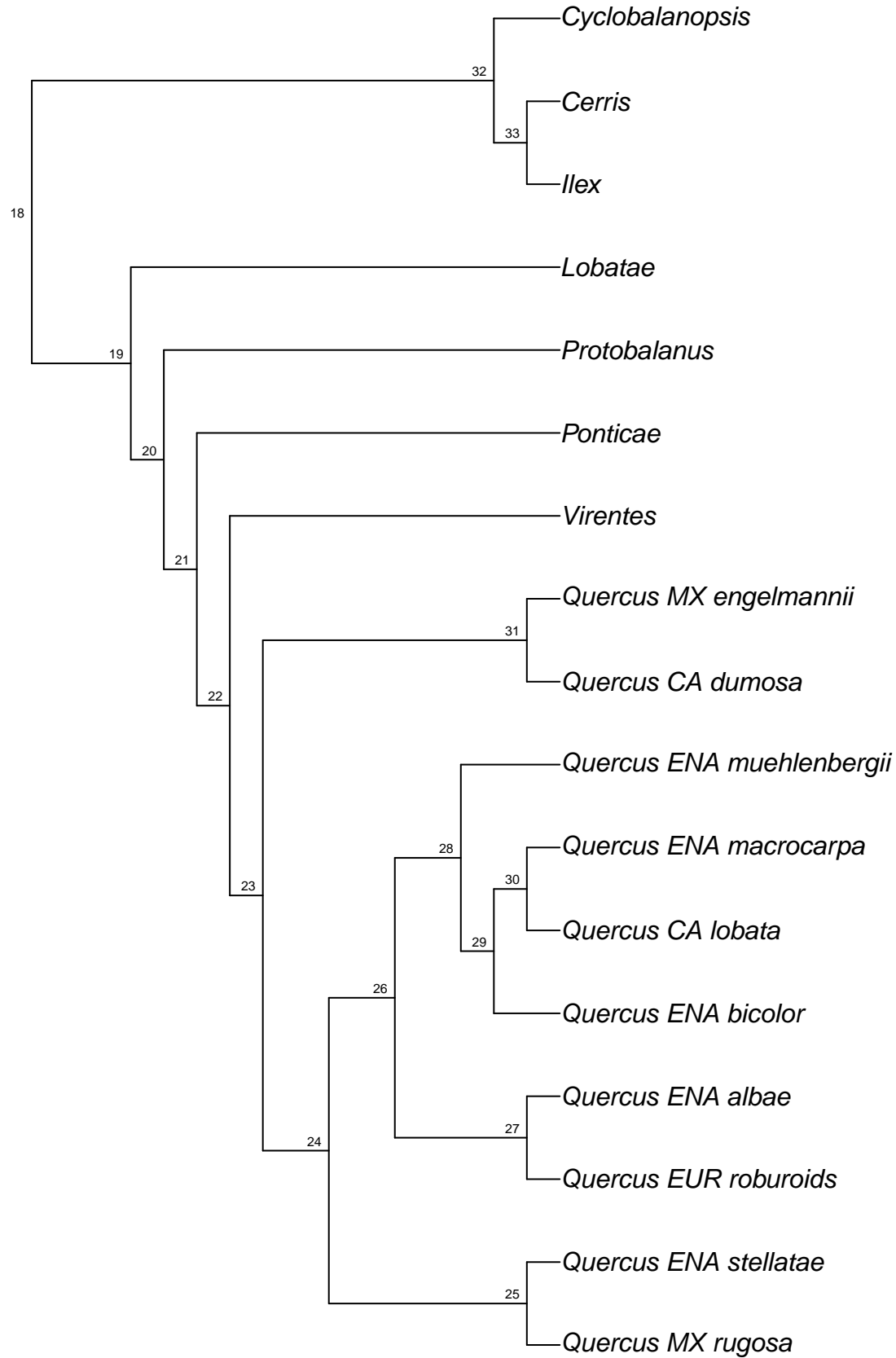
refRAD.ref\_glauca\_raxml.bt068



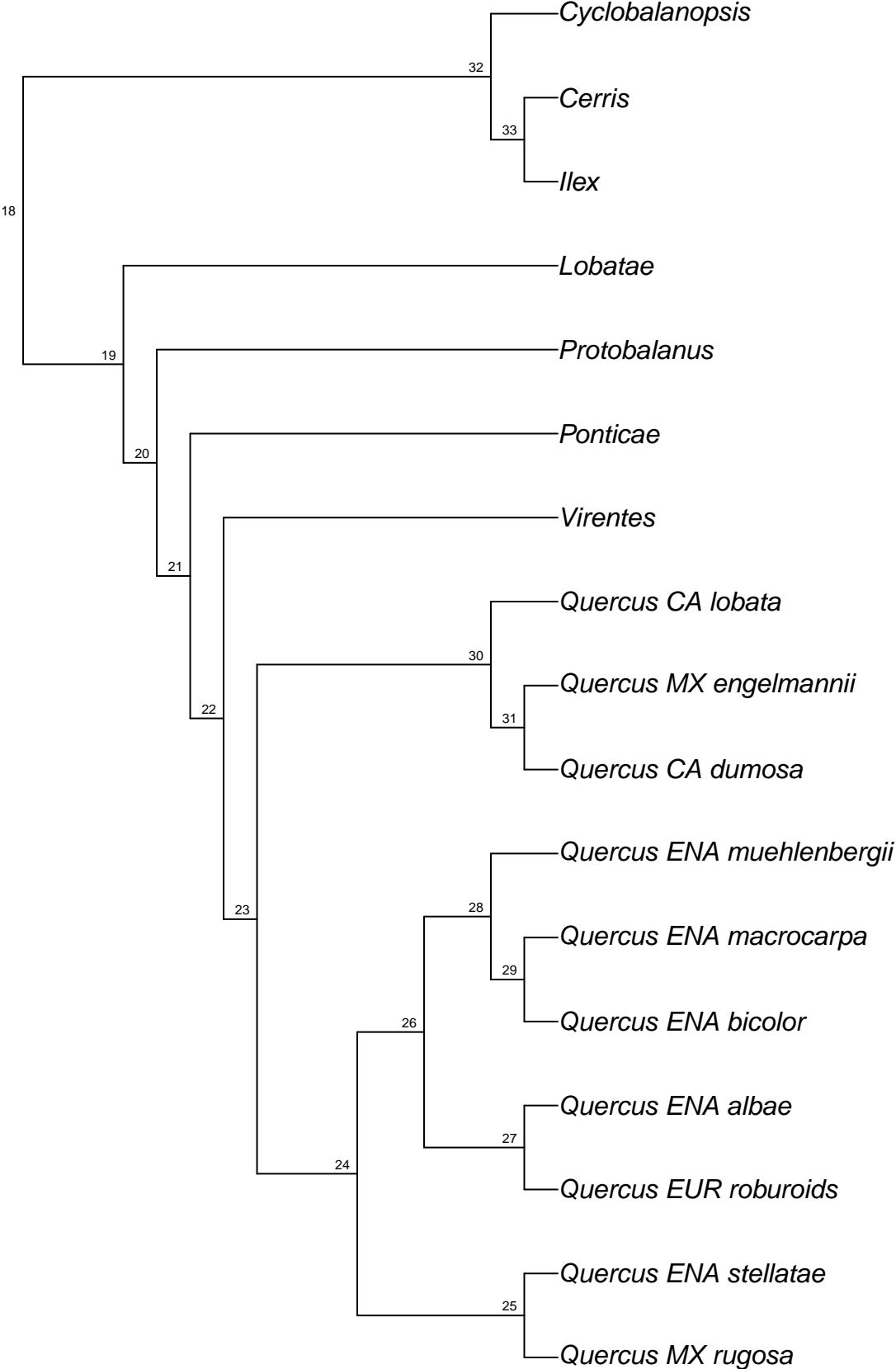
refRAD.ref\_glauca\_raxml.bt069



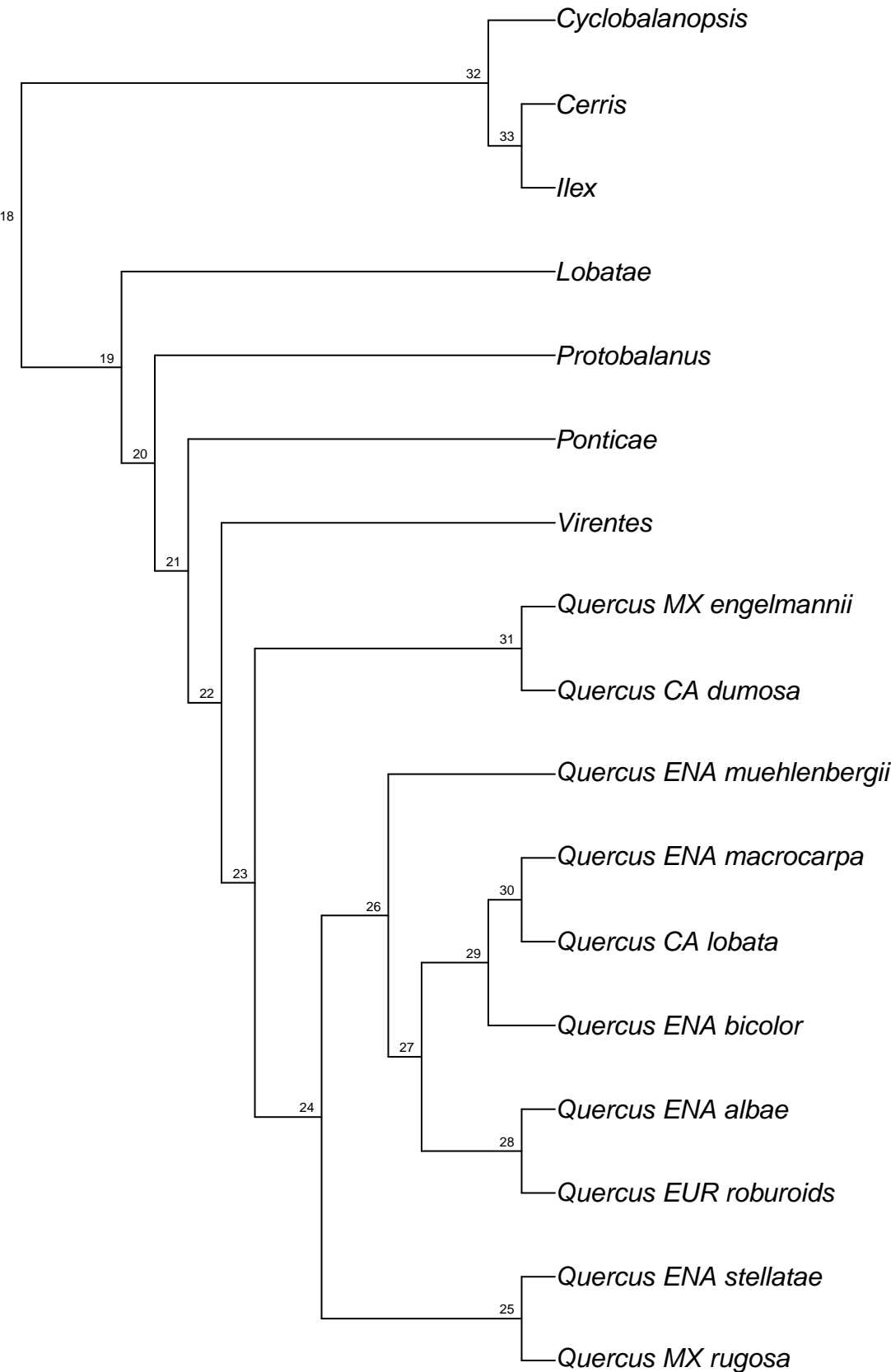
## refRAD.ref\_glauca\_raxml.bt070



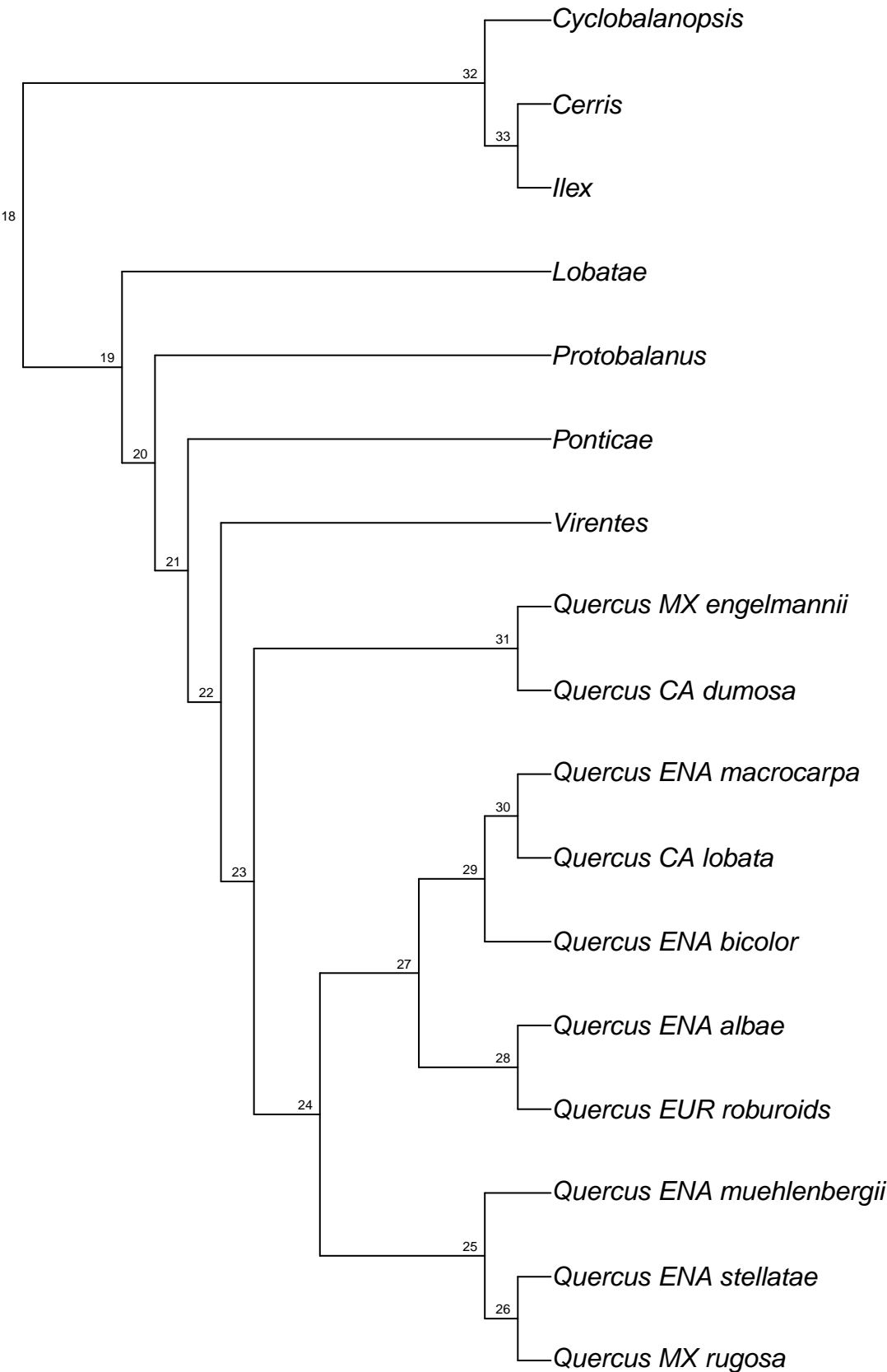
refRAD.ref\_glauca\_raxml.bt071



refRAD.ref\_glauca\_raxml.bt072

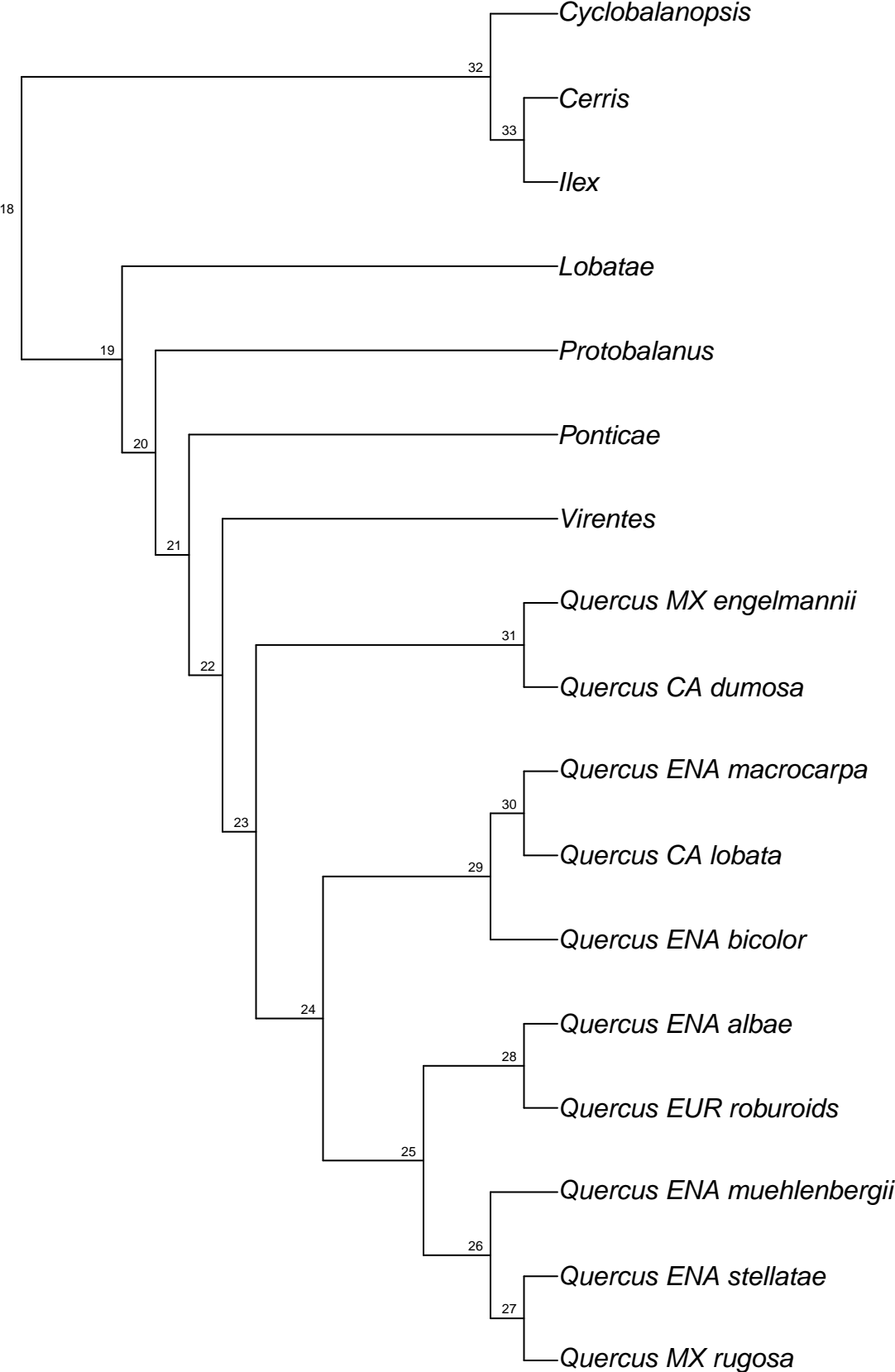


refRAD.ref\_glauca\_raxml.bt073

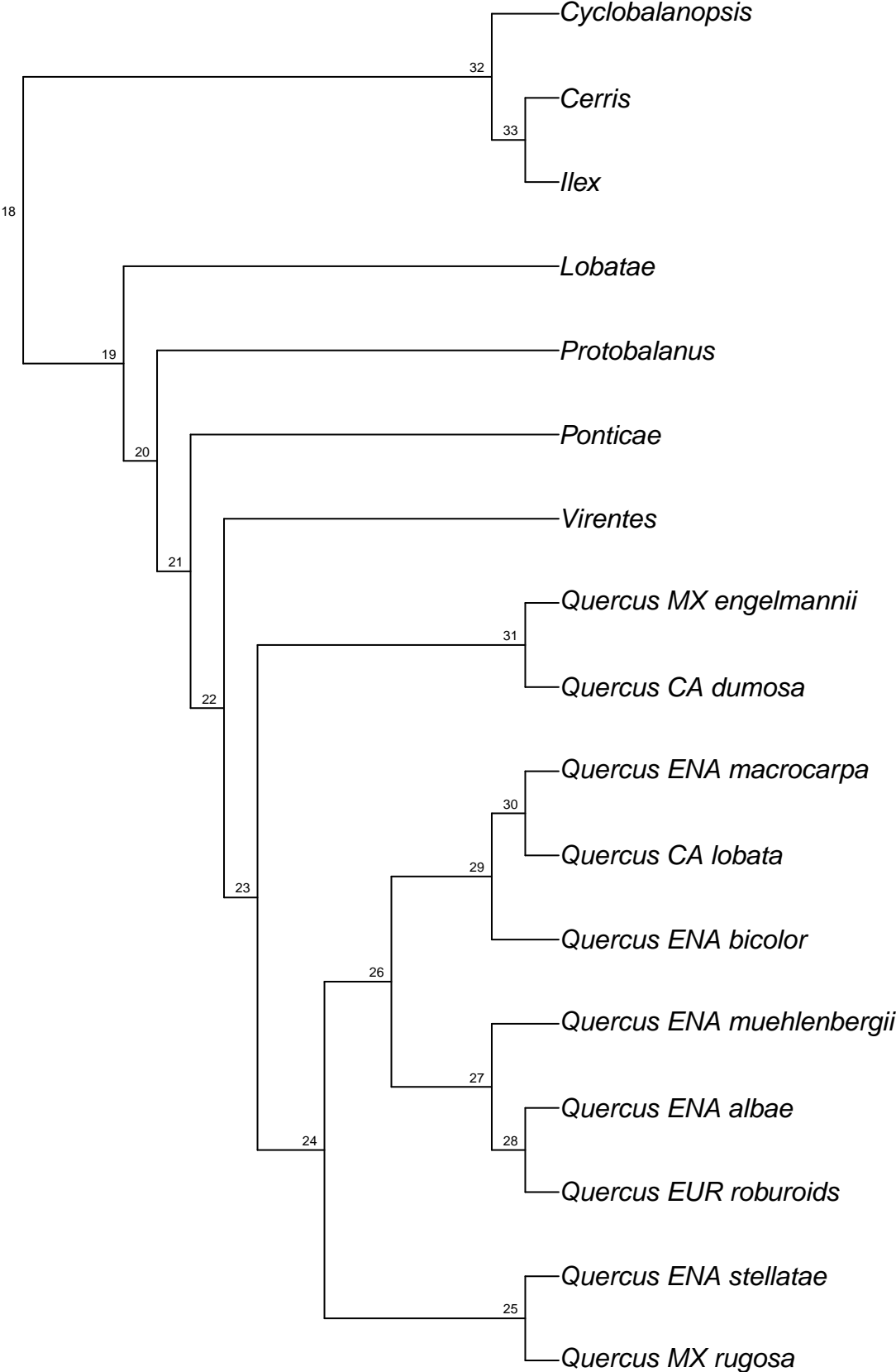


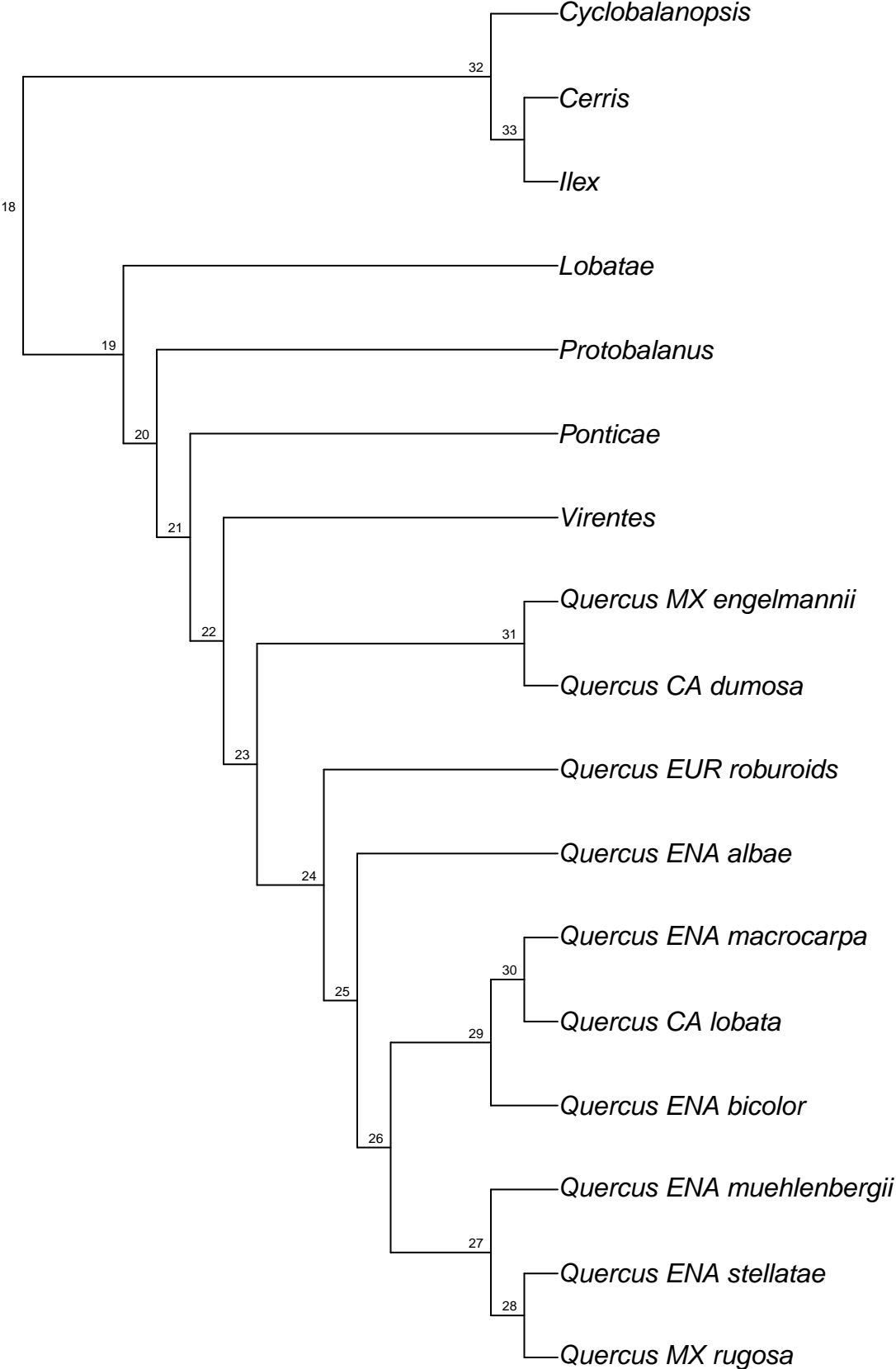


refRAD.ref\_glauca\_raxml.bt074

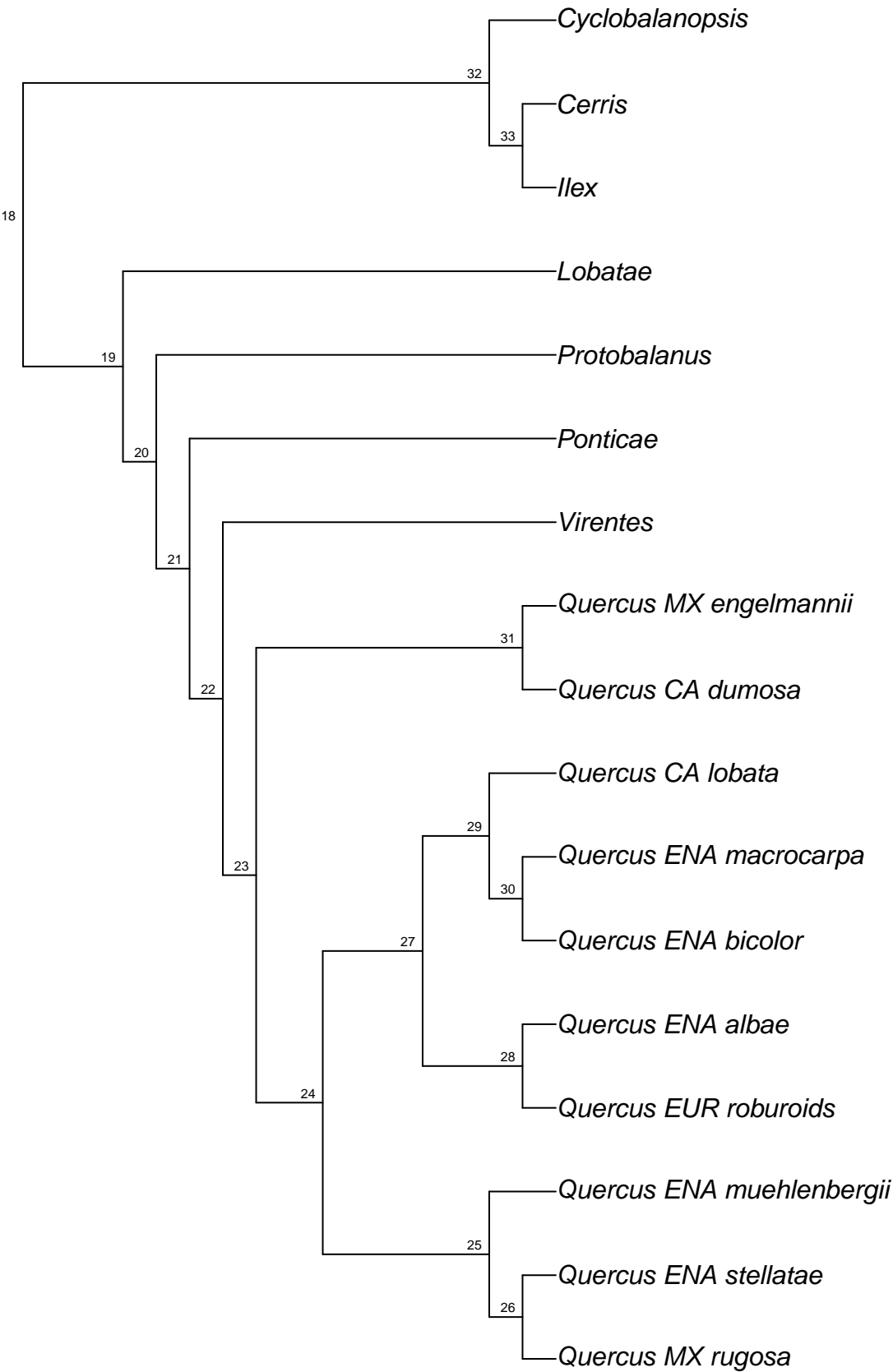


refRAD.ref\_glauca\_raxml.bt075

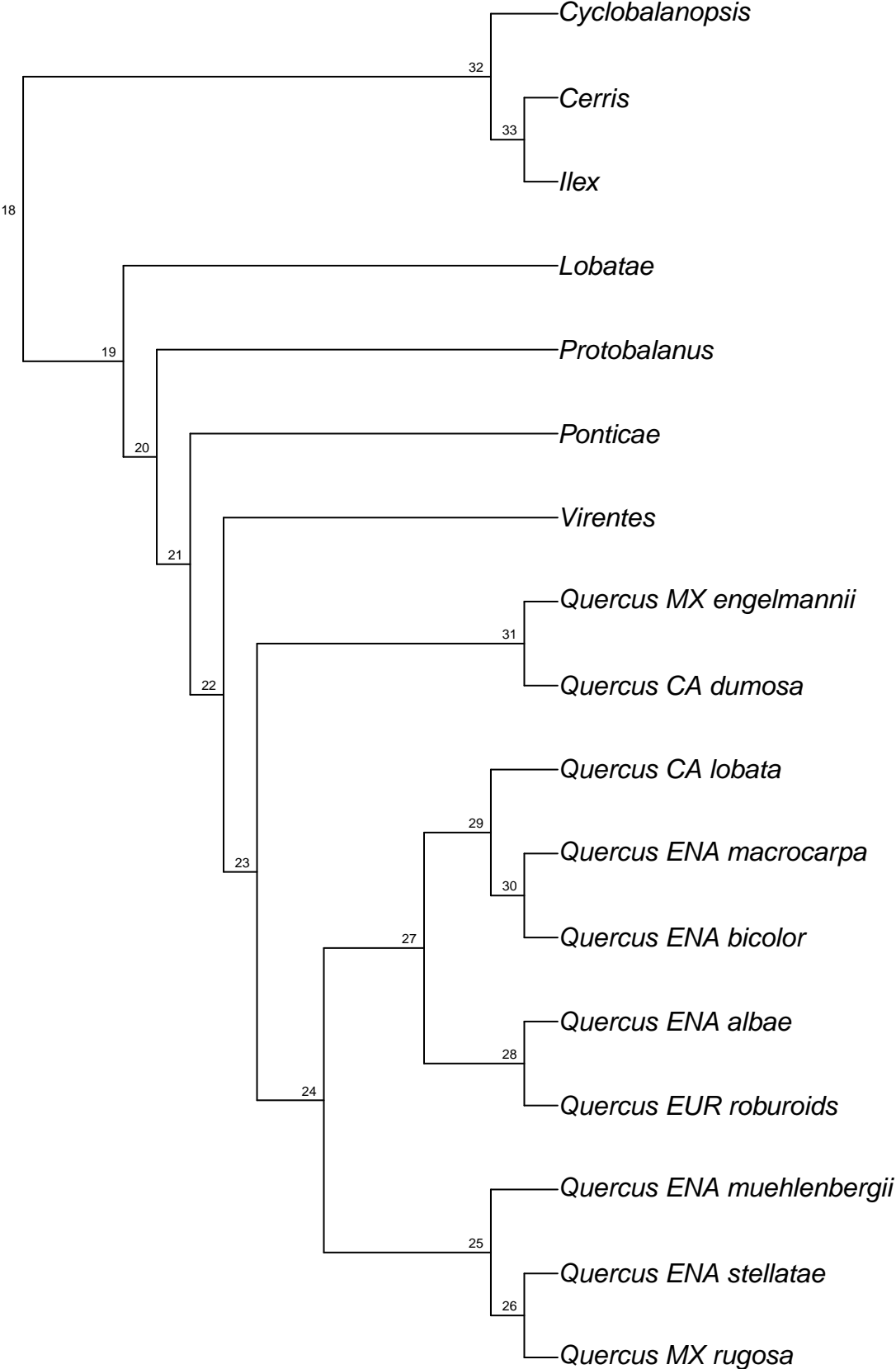




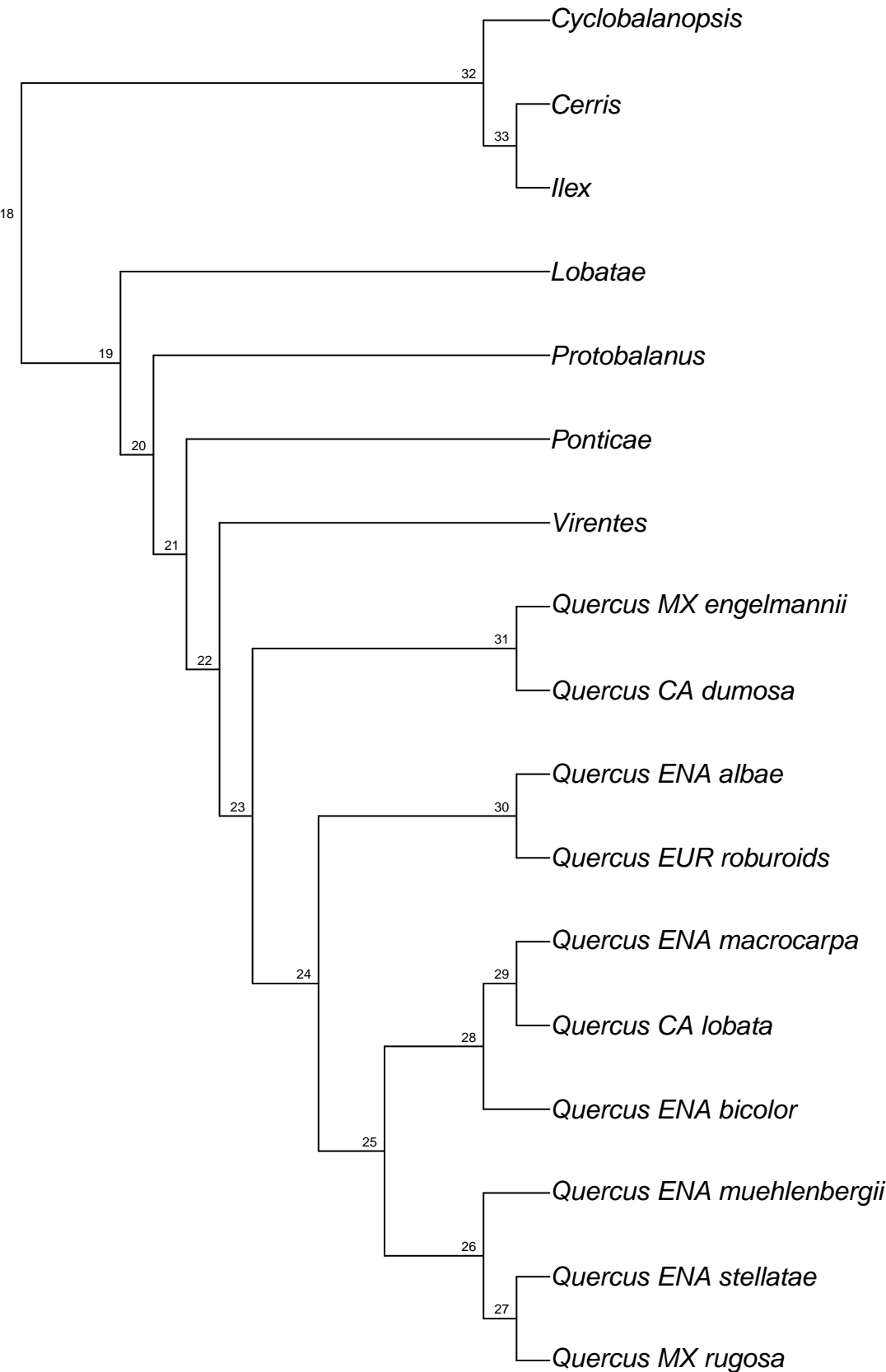
refRAD.ref\_glauca\_raxml.bt077



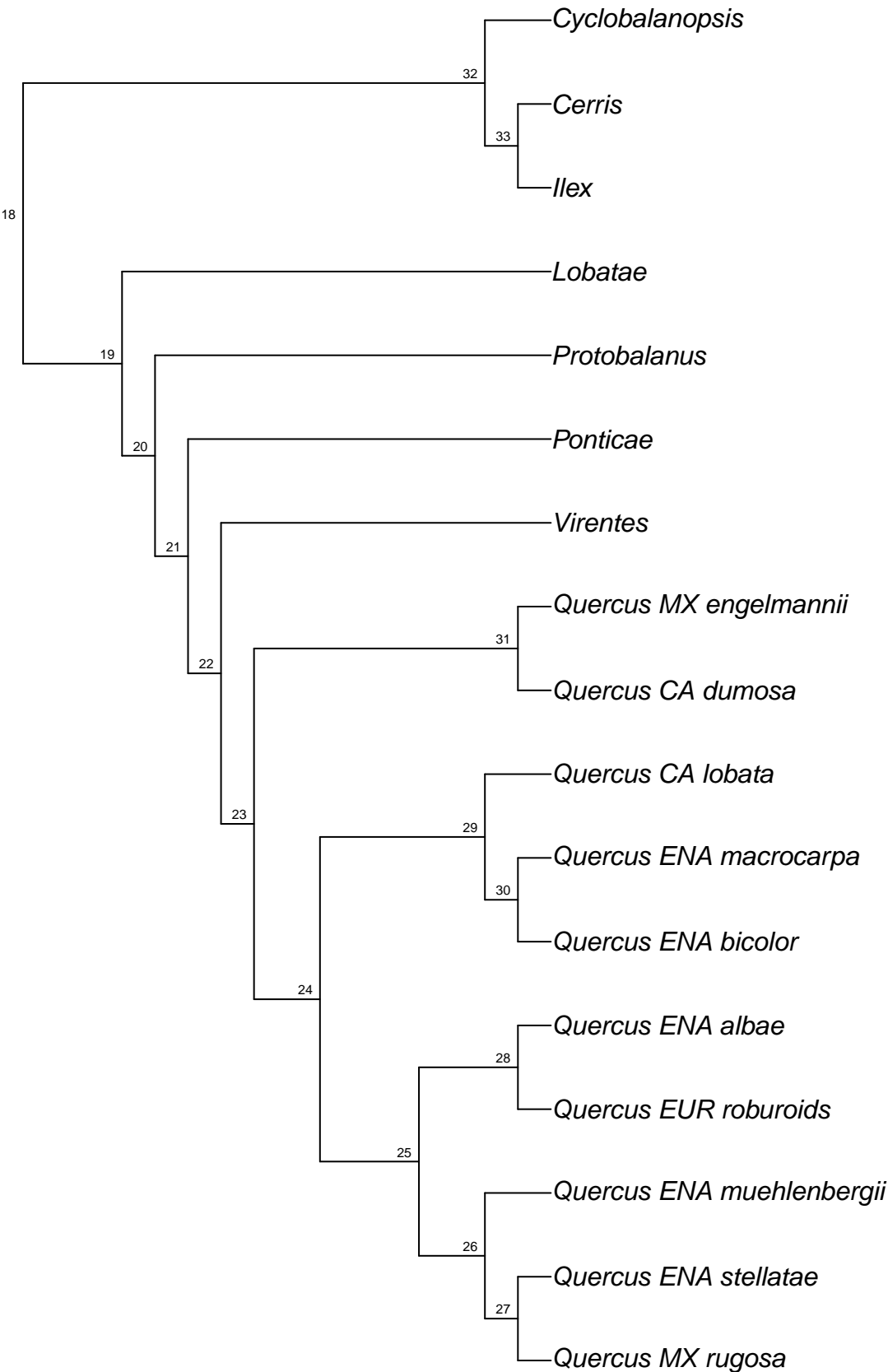
refRAD.ref\_glauca\_raxml.bt078



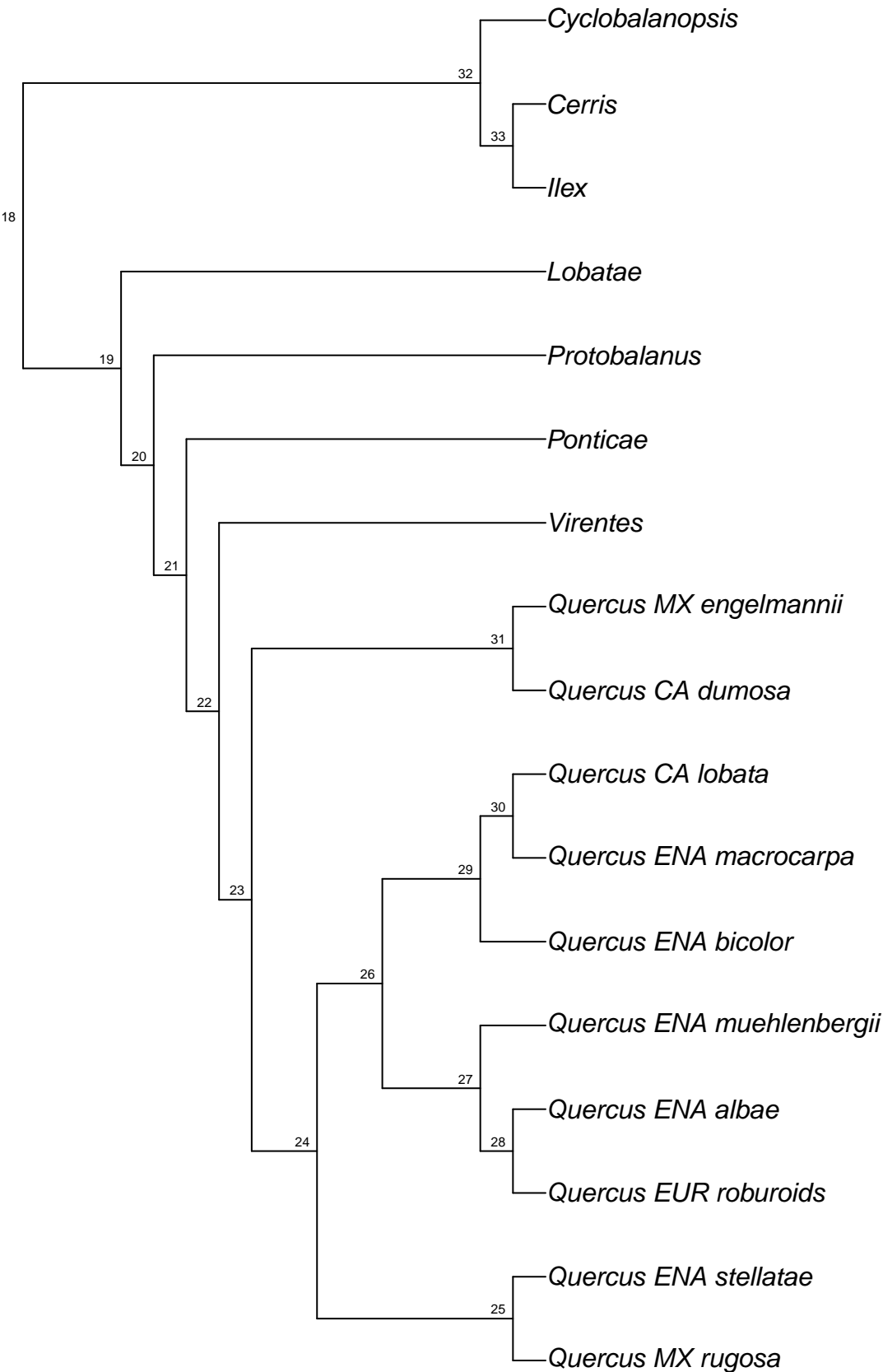
refRAD.ref\_glauca\_raxml.bt079



refRAD.ref\_glauca\_raxml.bt080

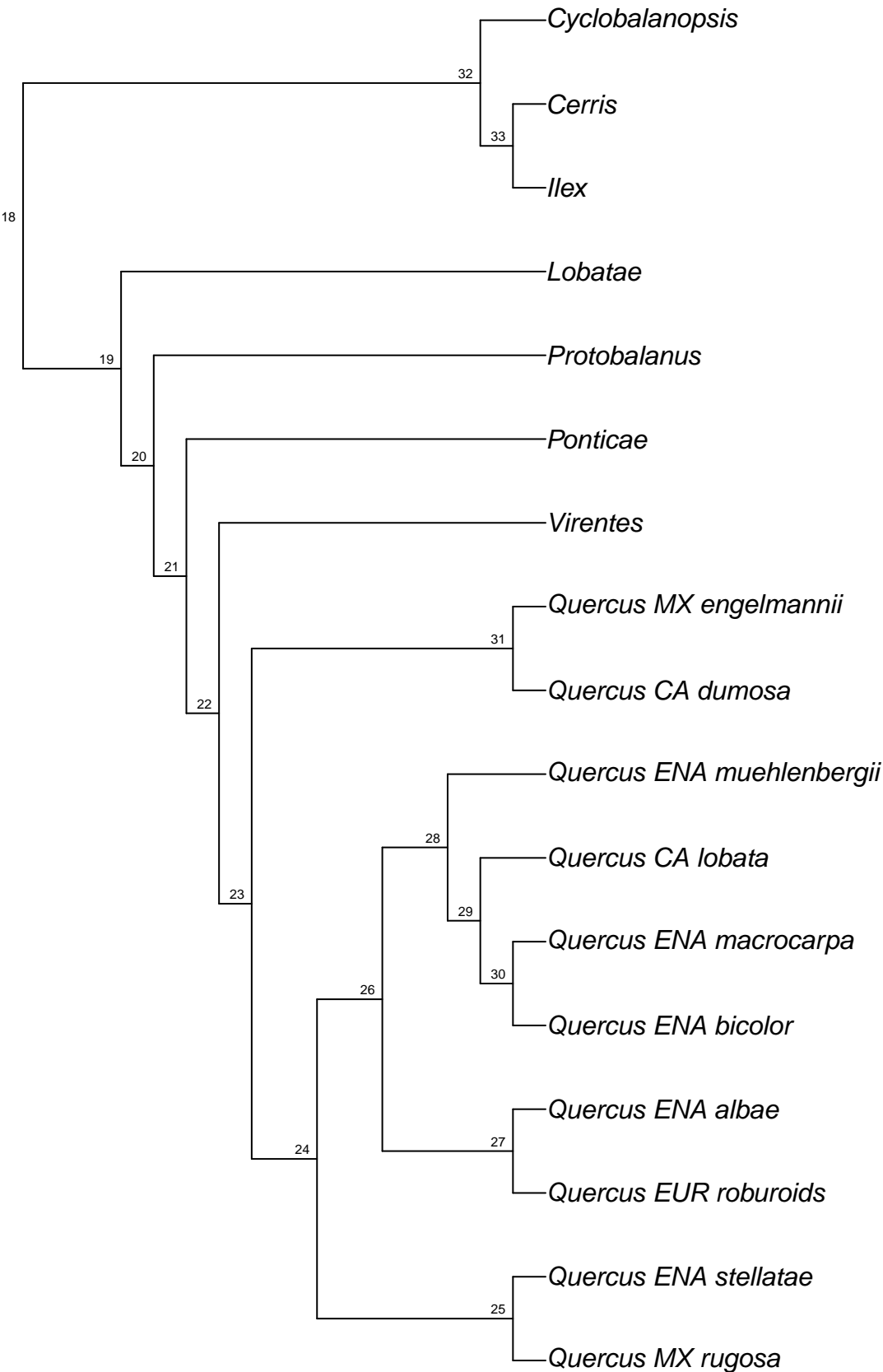


refRAD.ref\_glauca\_raxml.bt081

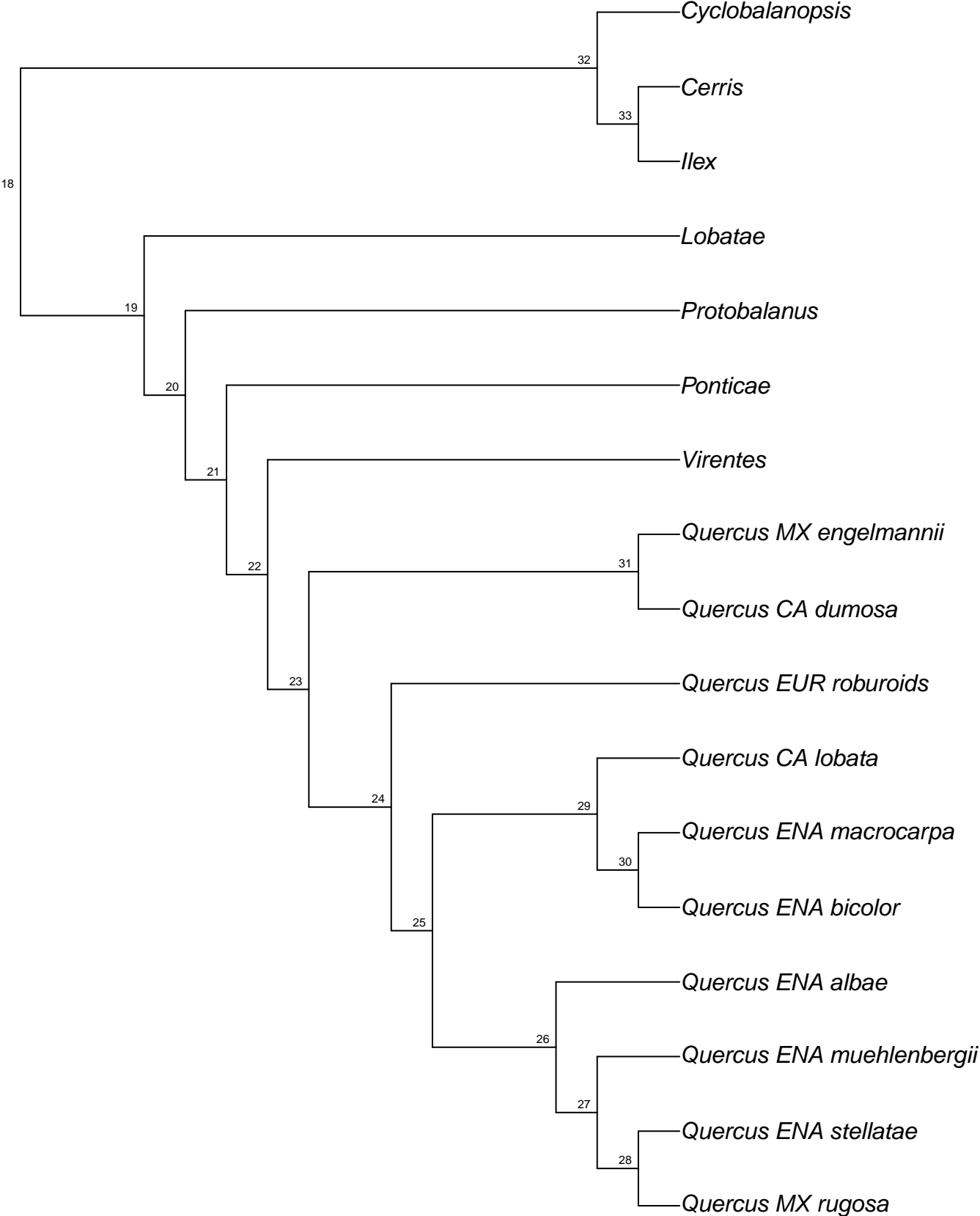




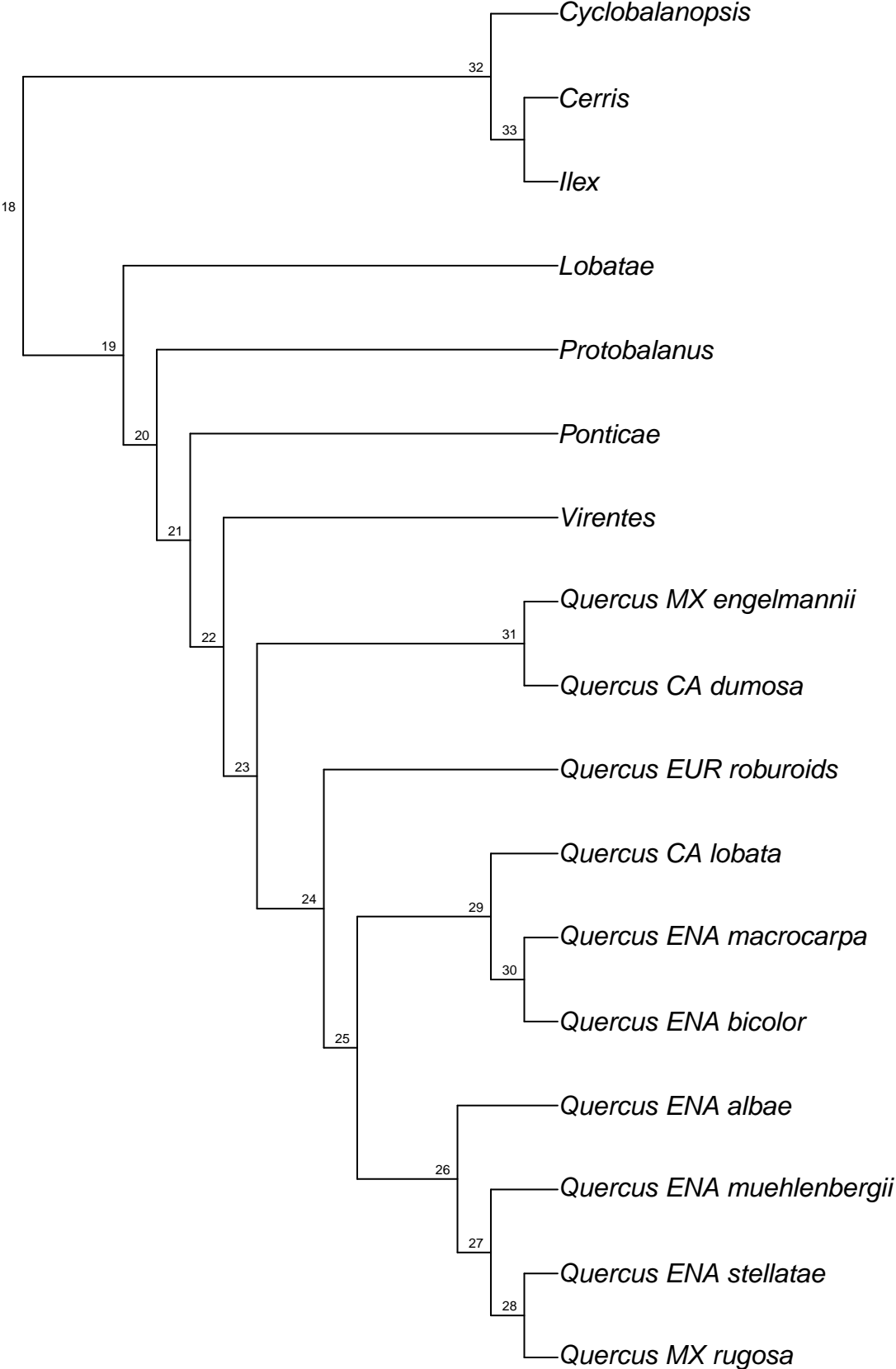
refRAD.ref\_glauca\_raxml.bt082



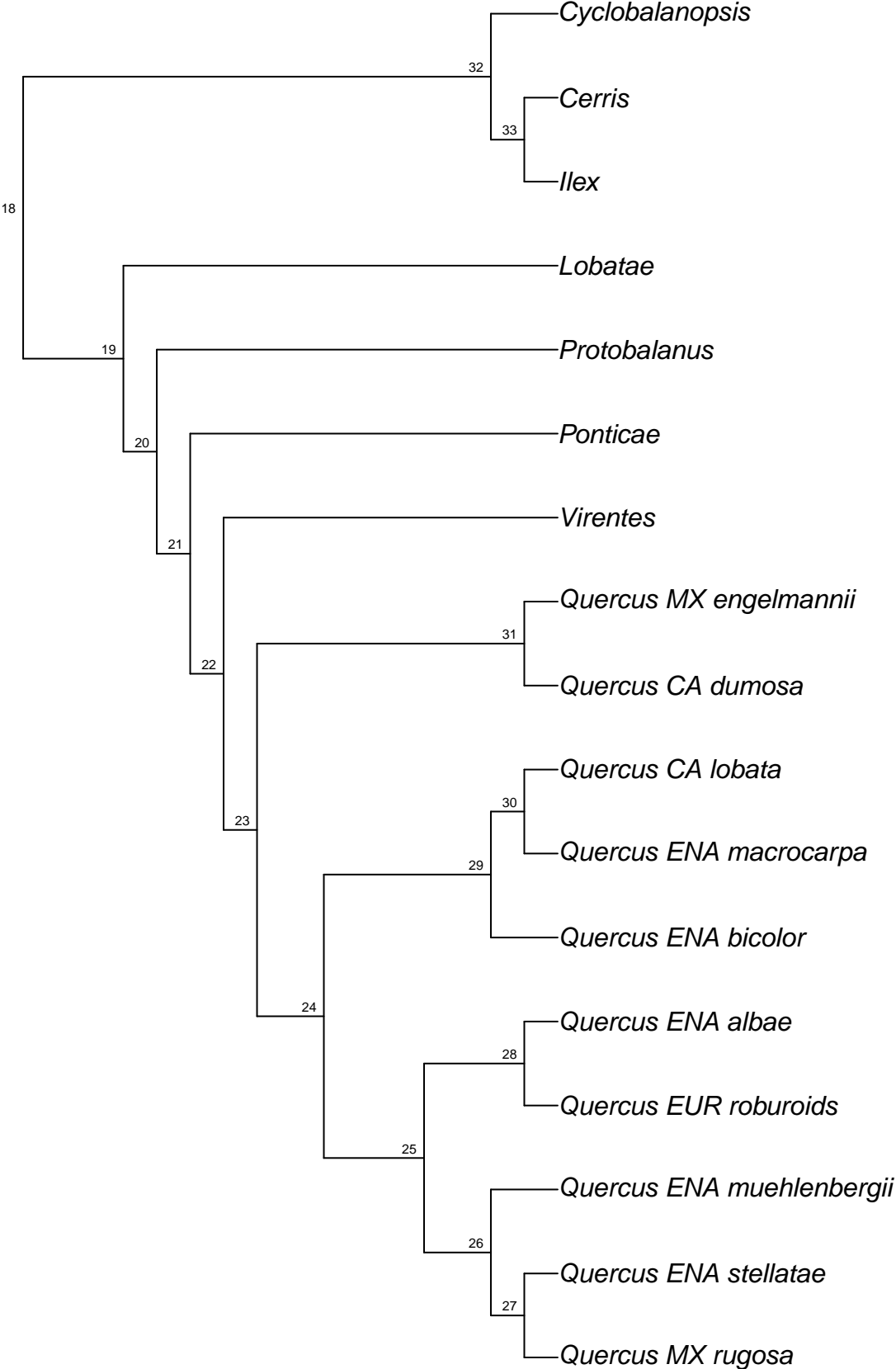
refRAD.ref\_glauca\_raxml.bt083

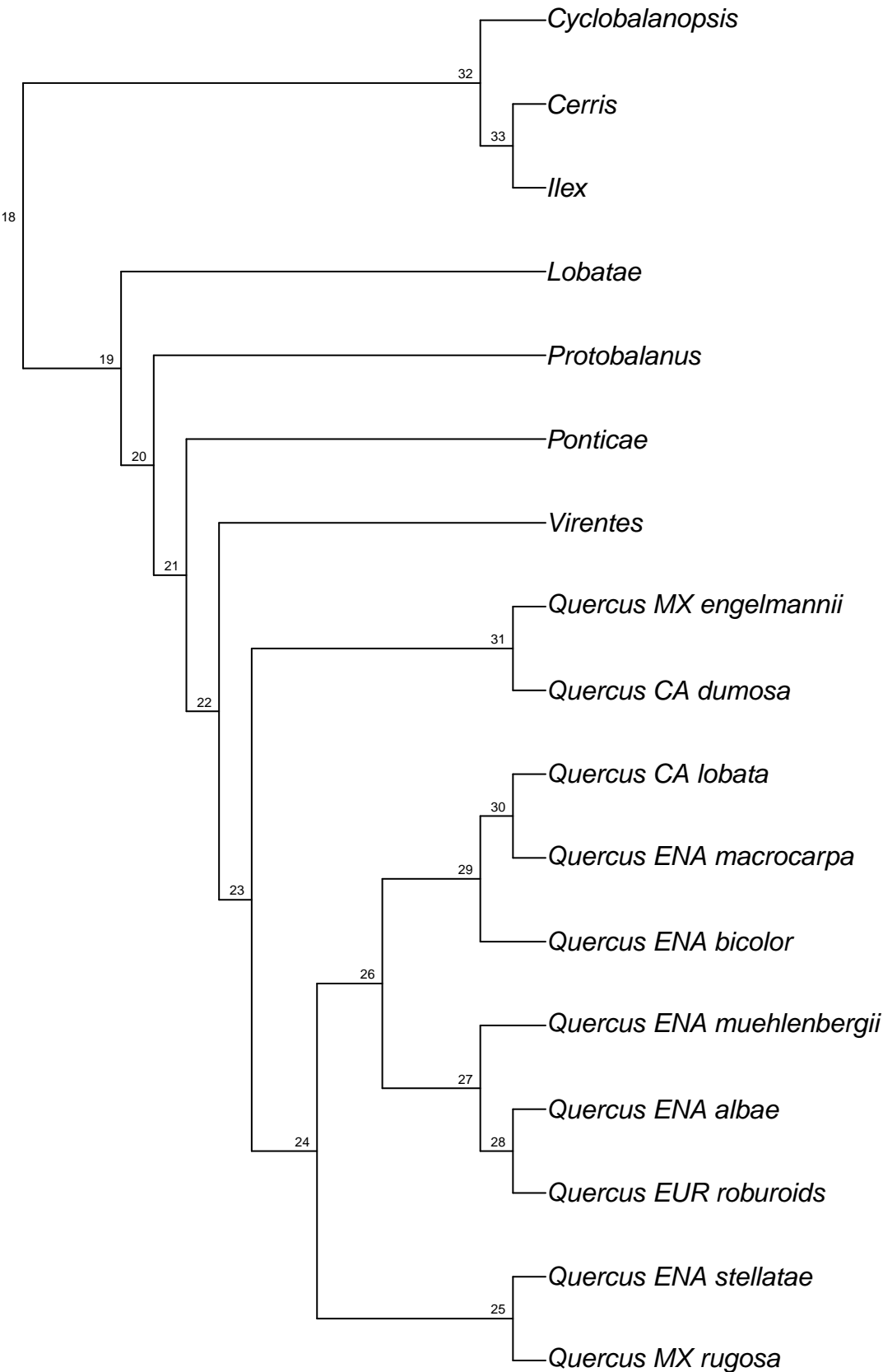


refRAD.ref\_glauca\_raxml.bt084

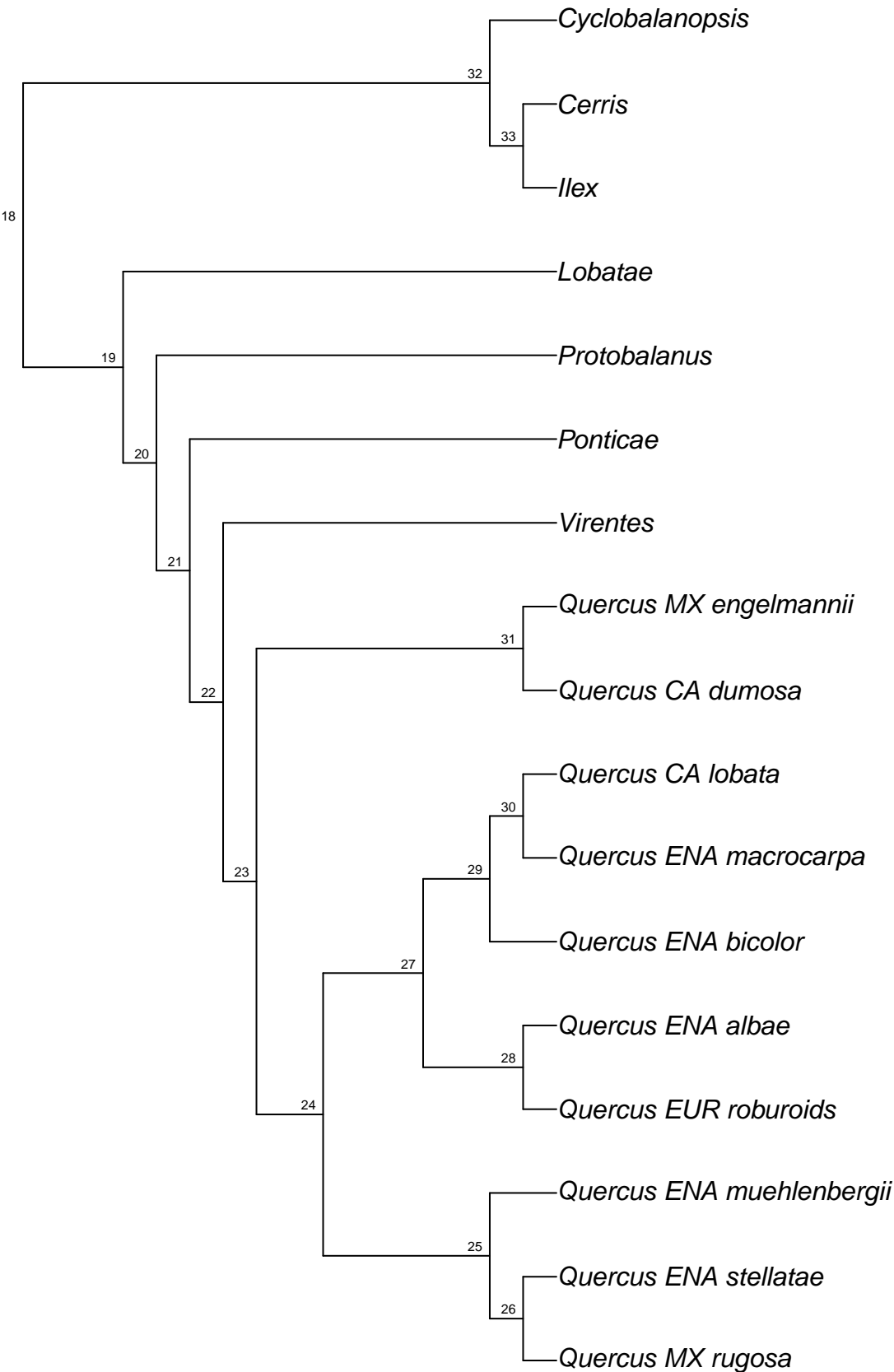


refRAD.ref\_glauca\_raxml.bt085

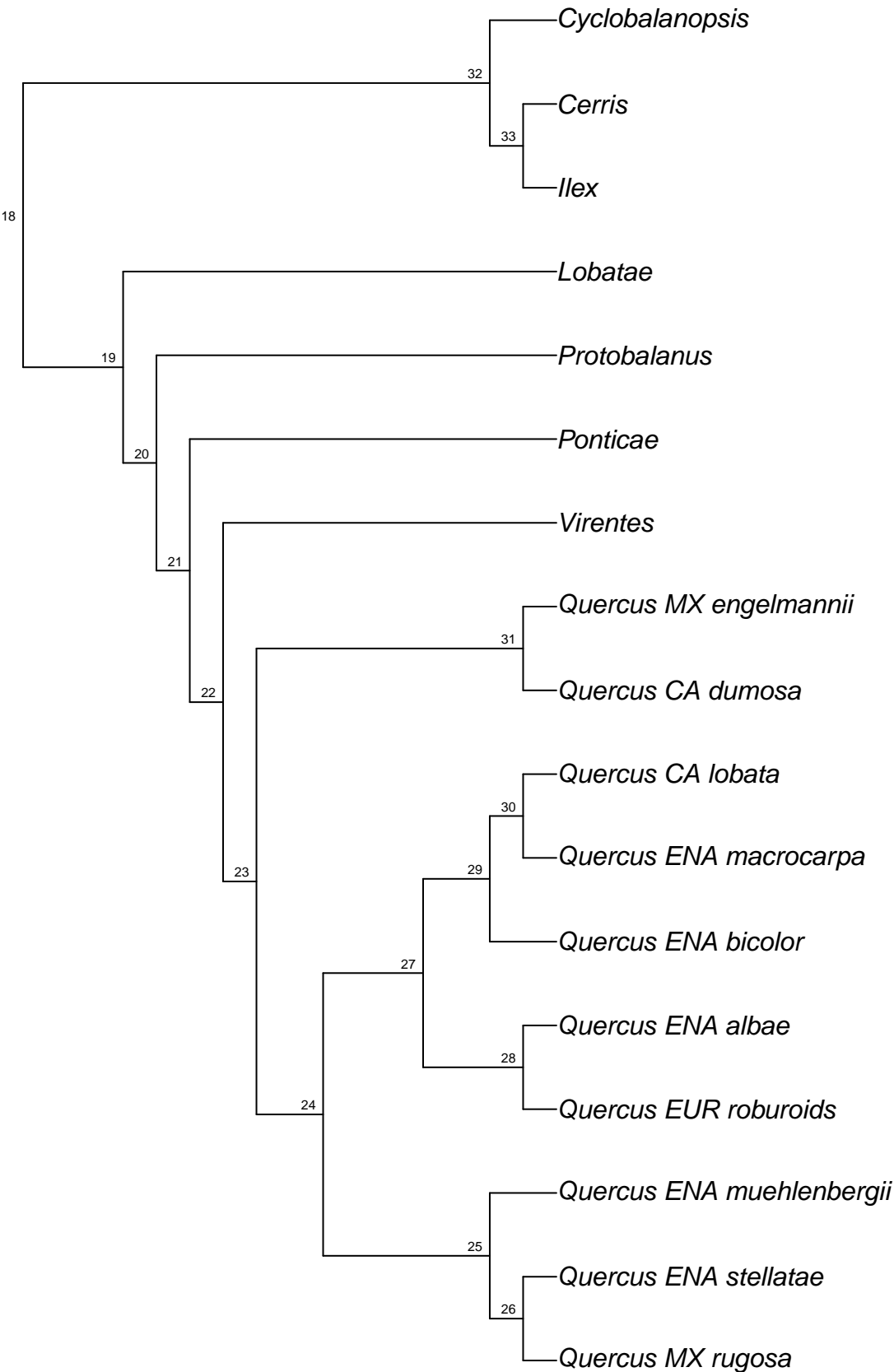




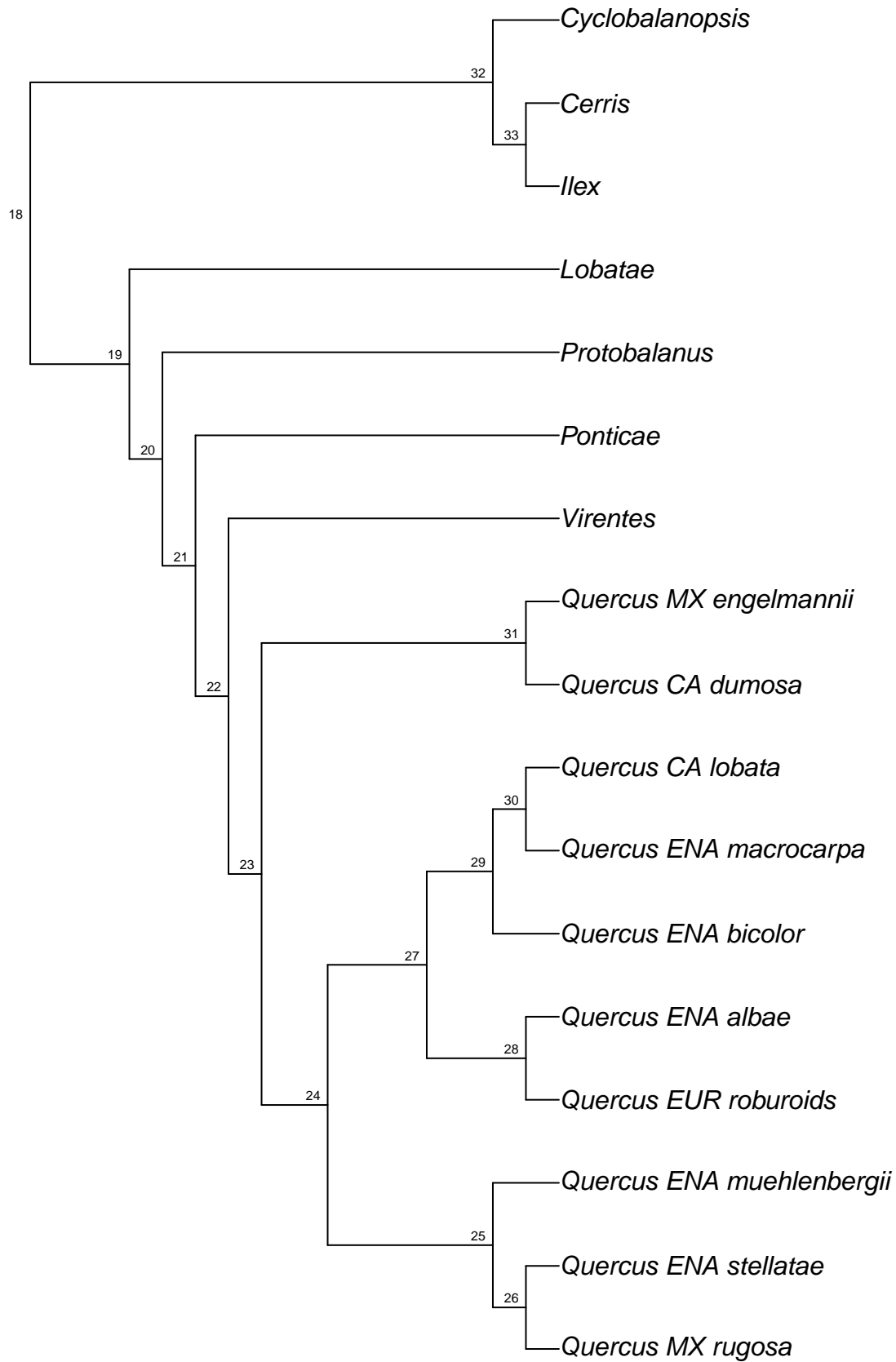
refRAD.ref\_glauca\_raxml.bt087



refRAD.ref\_glauca\_raxml.bt088

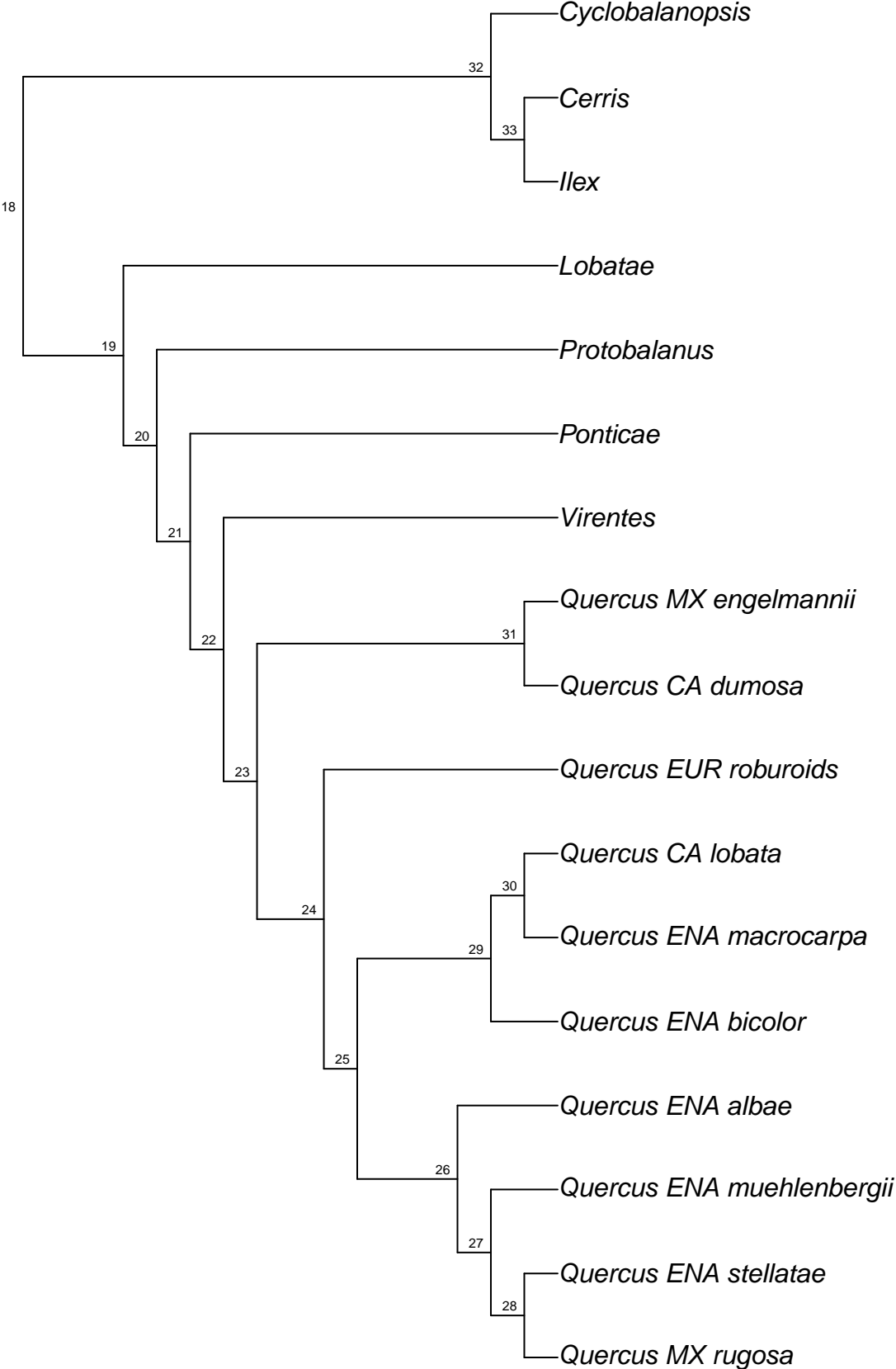


## refRAD.ref\_glauca\_raxml.bt089

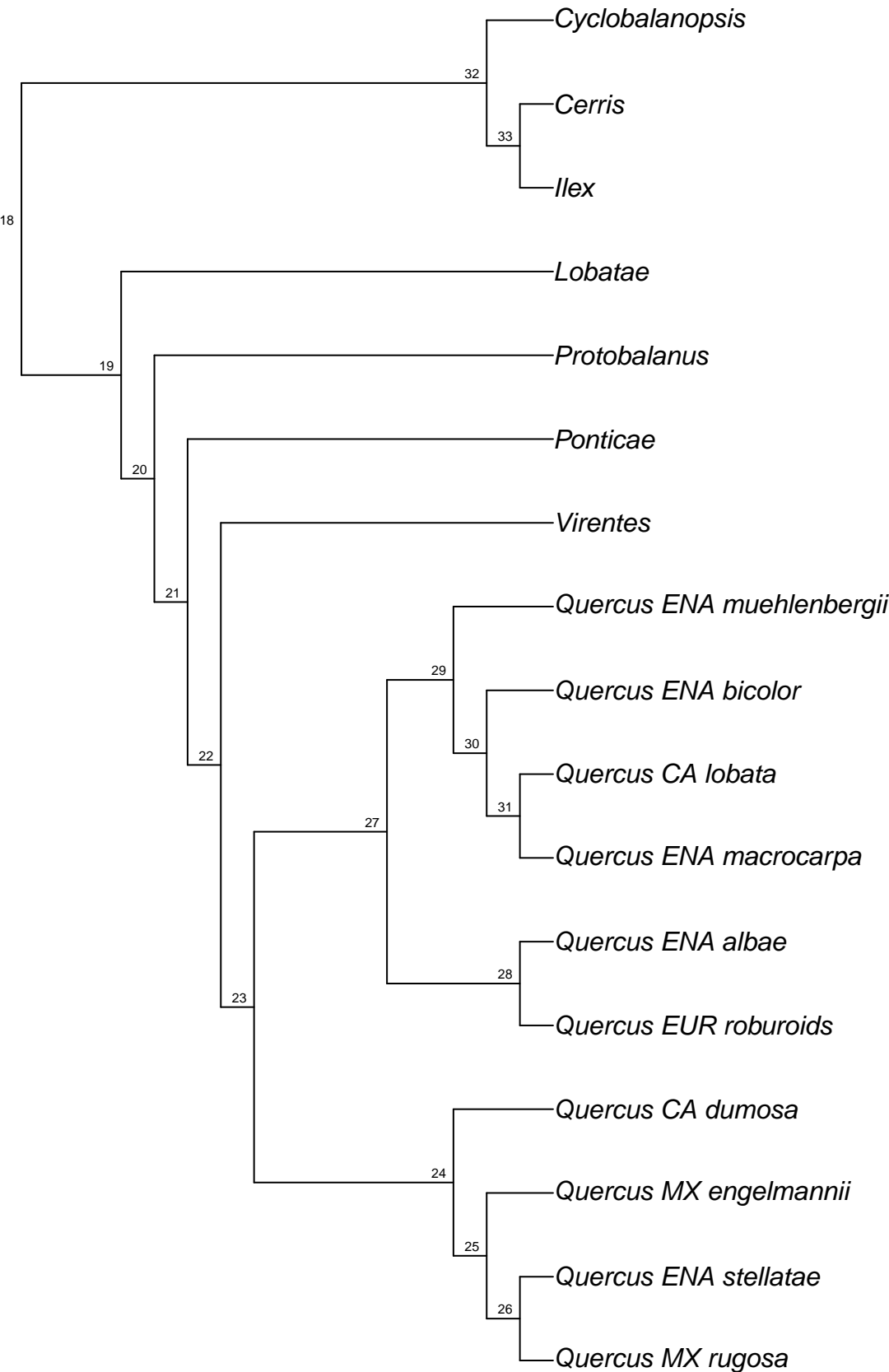




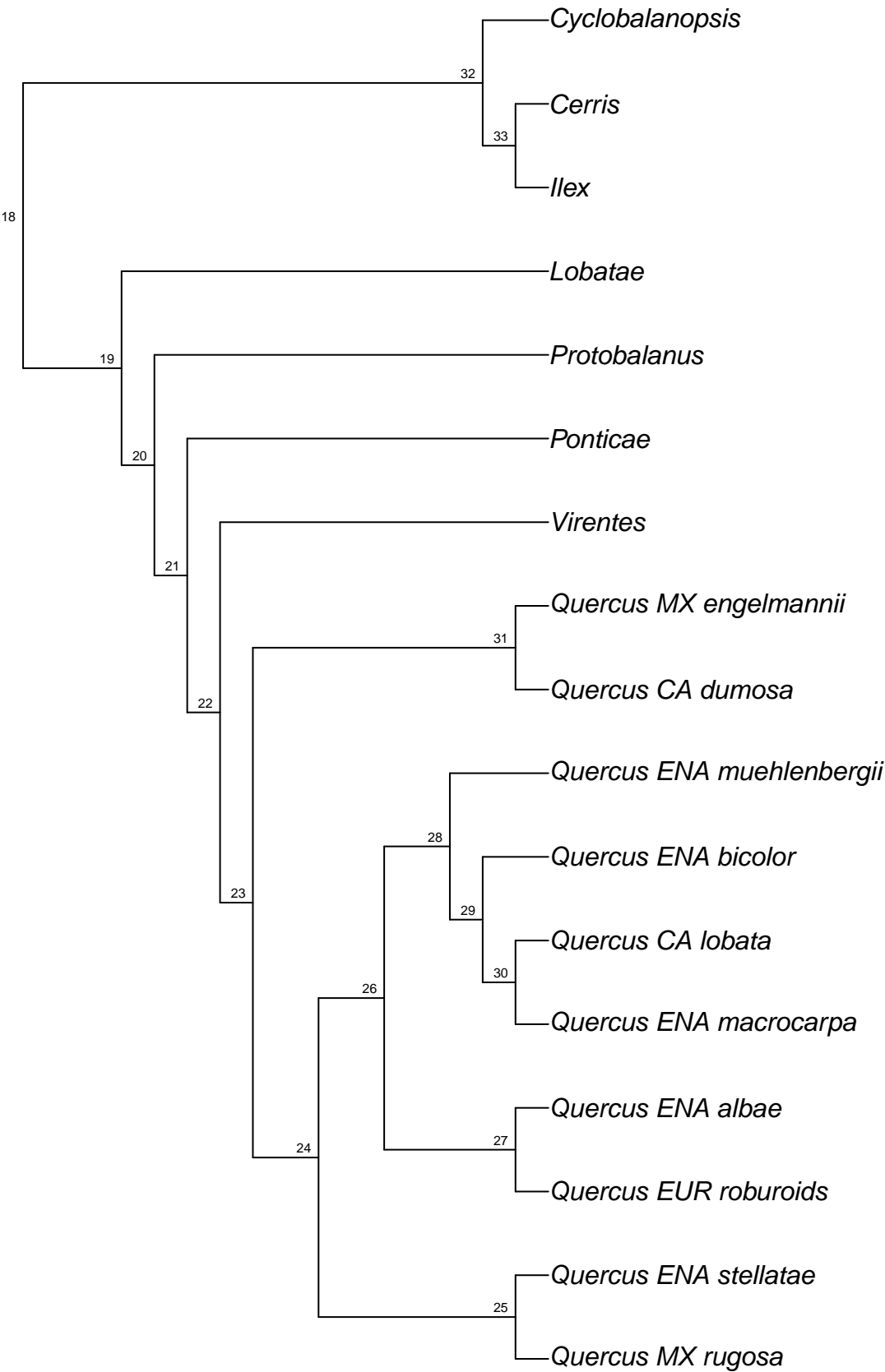
refRAD.ref\_glauca\_raxml.bt090



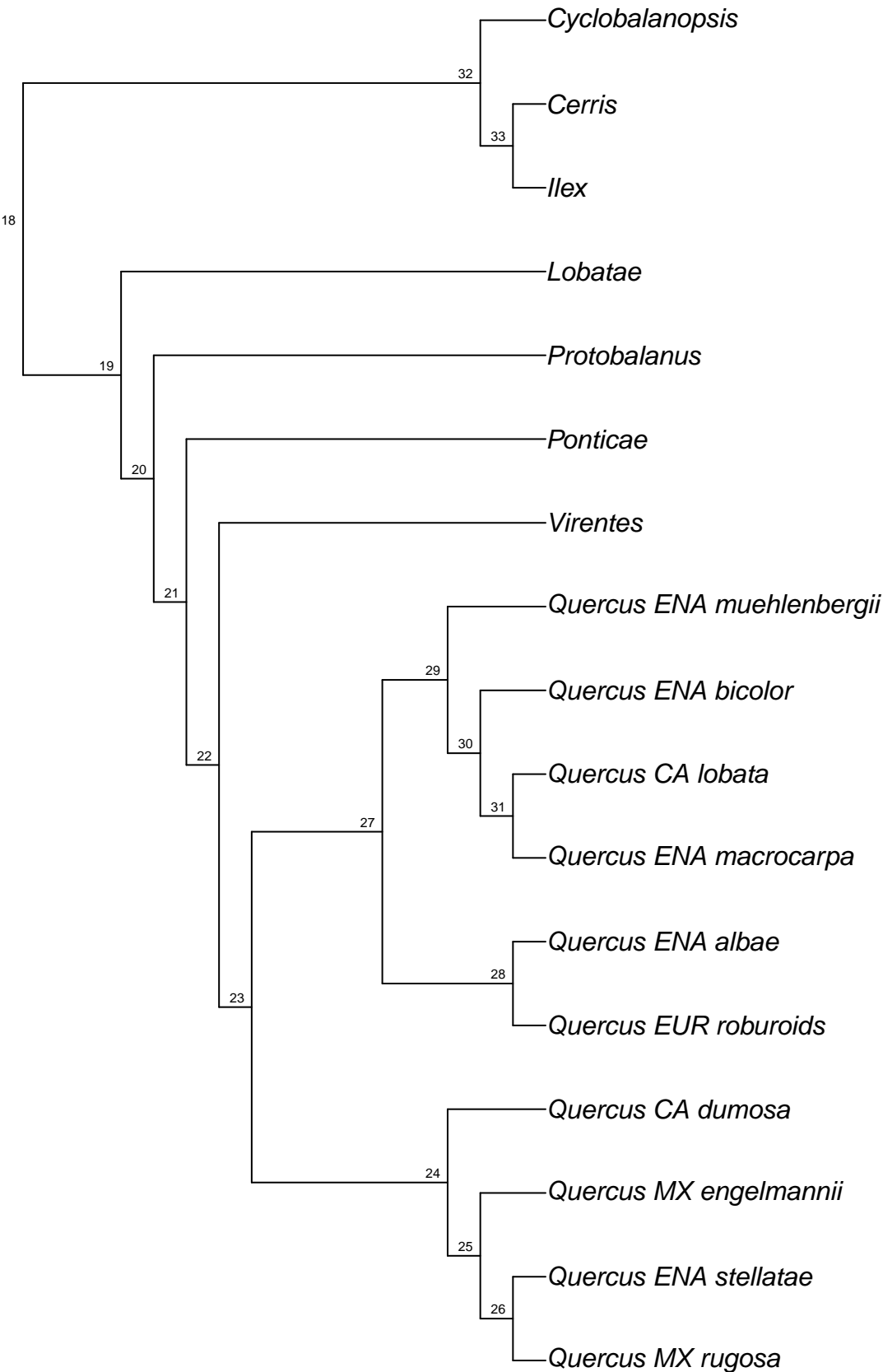
refRAD.ref\_glauca\_raxml.bt091



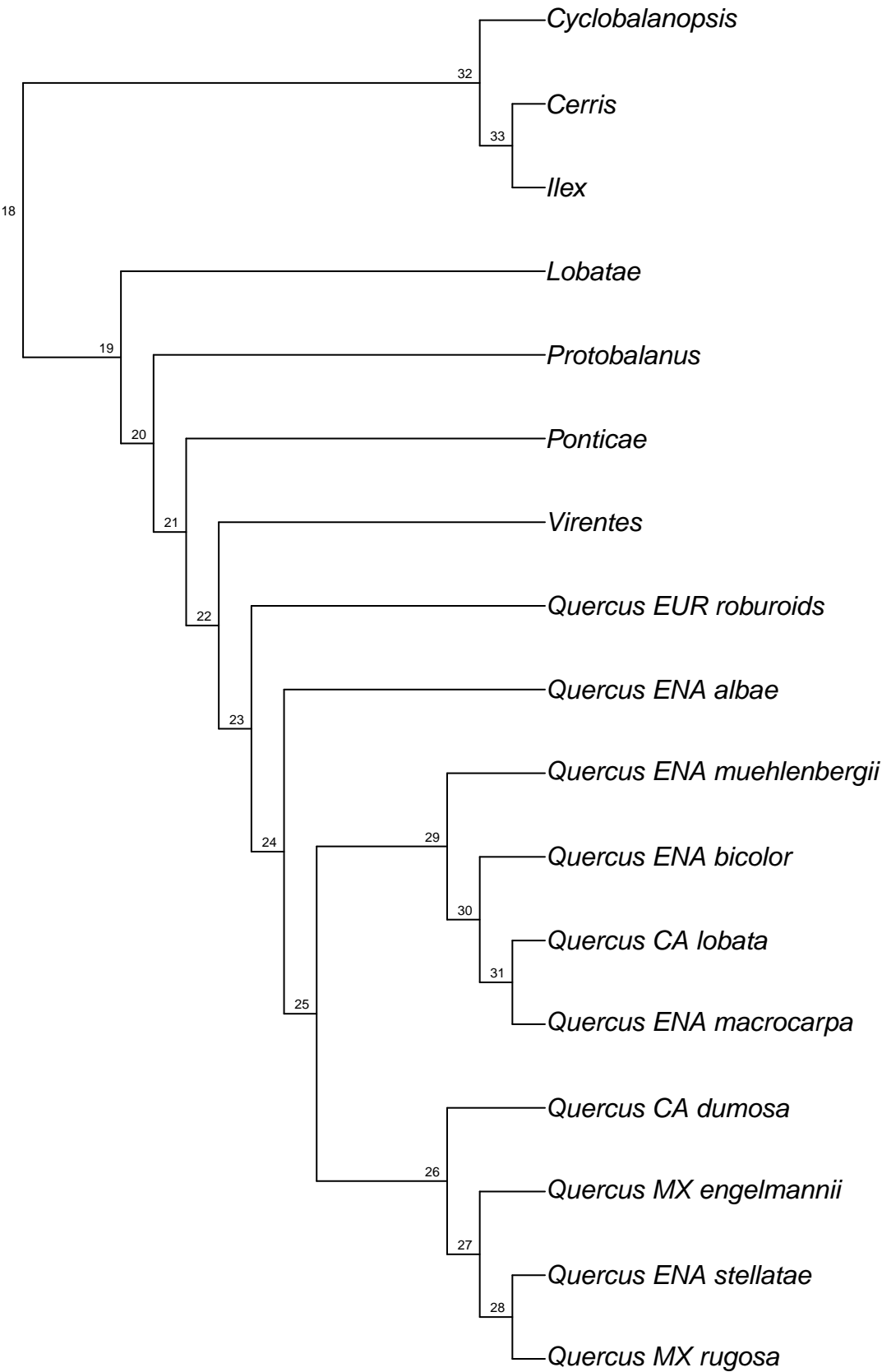
refRAD.ref\_glauca\_raxml.bt092



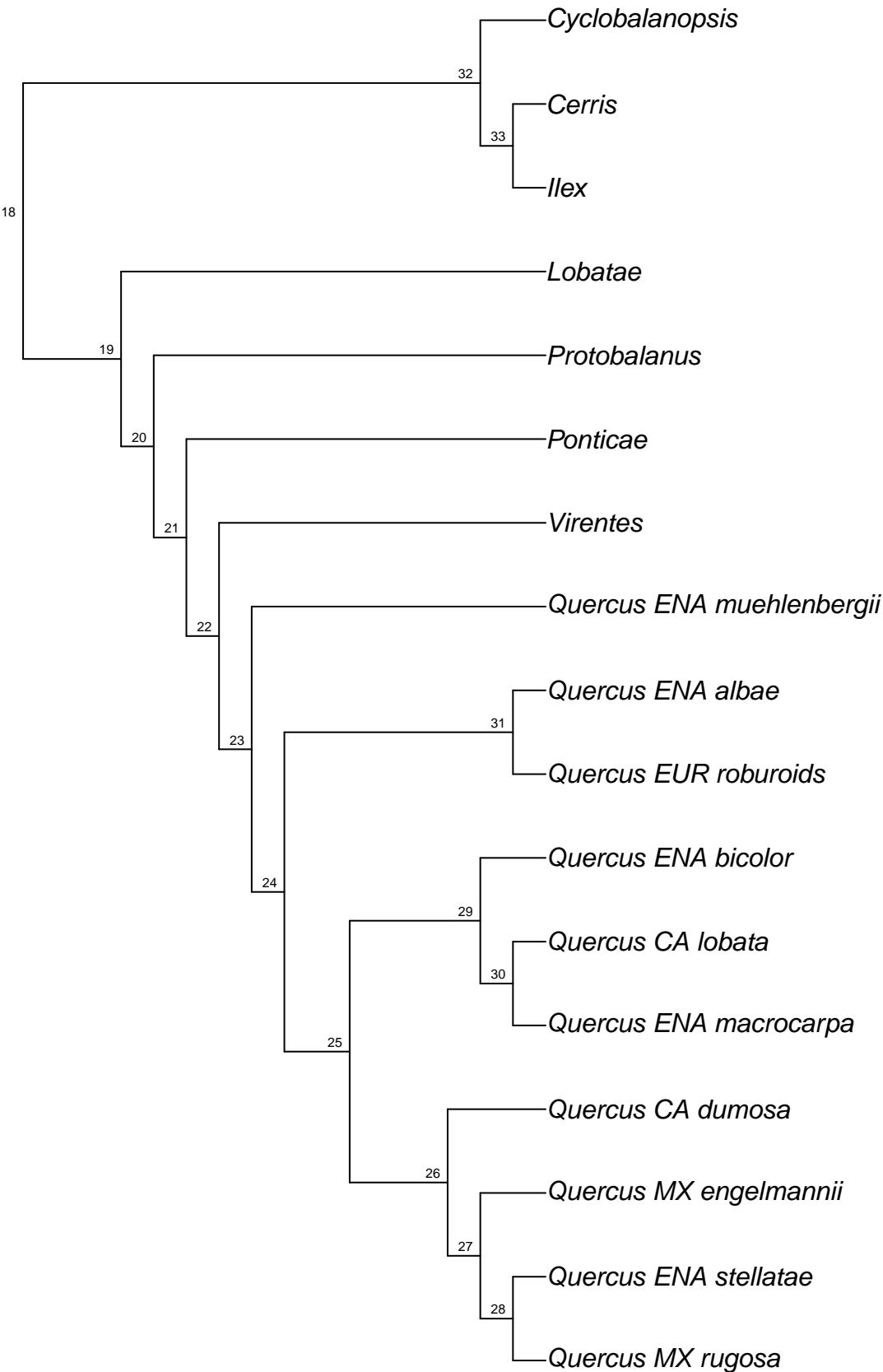
refRAD.ref\_glauca\_raxml.bt093



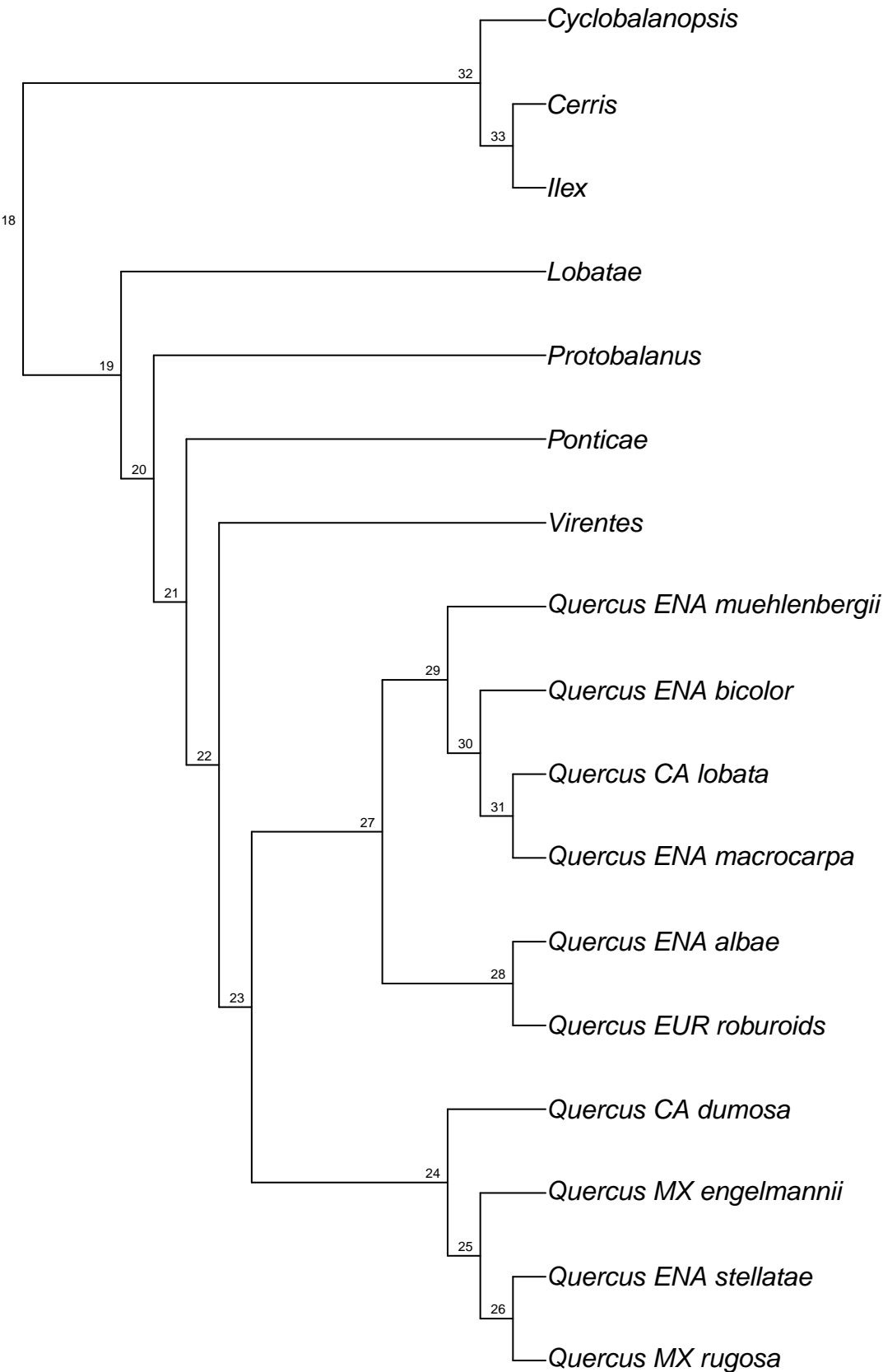
refRAD.ref\_glauca\_raxml.bt094



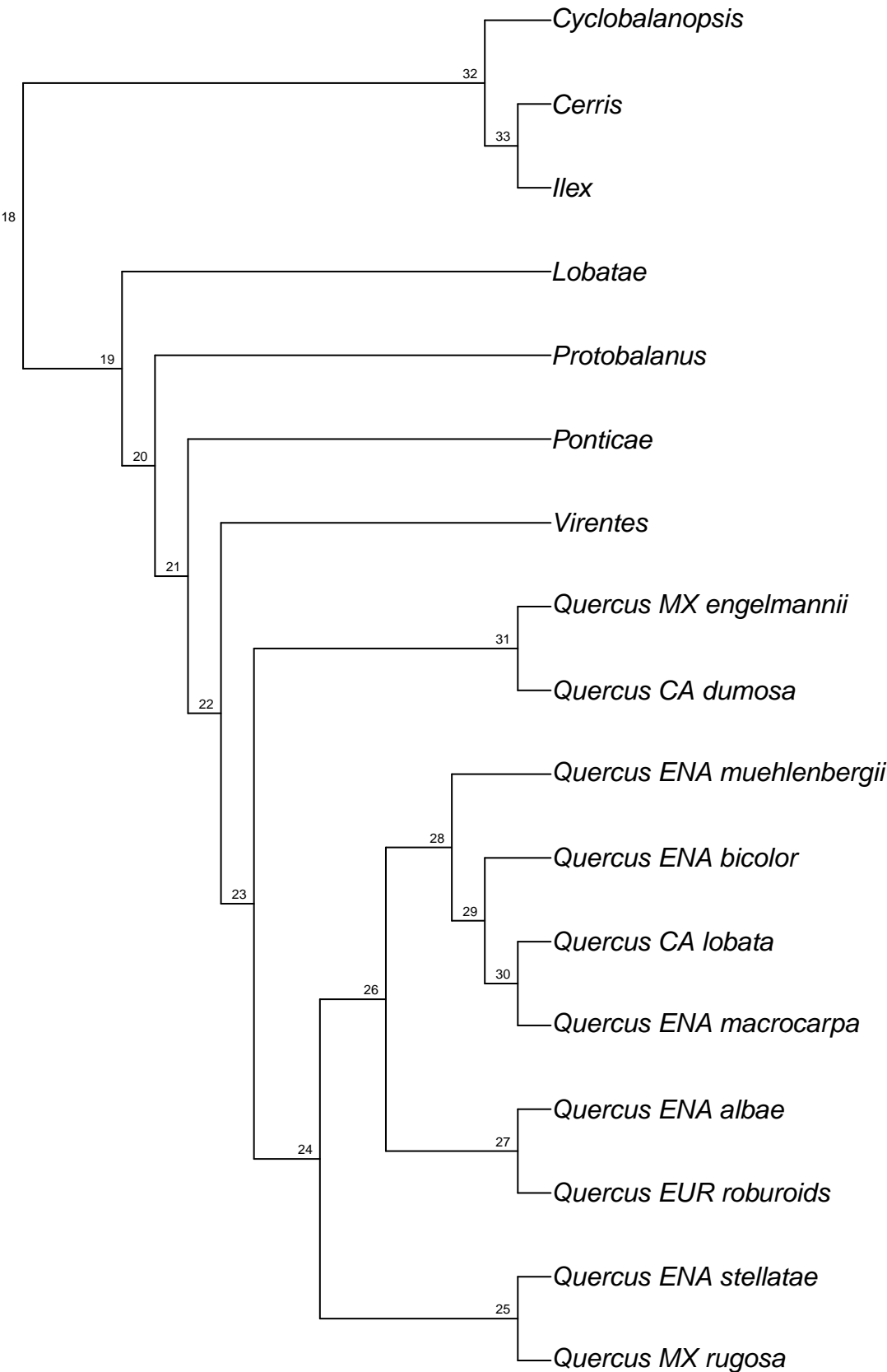
refRAD.ref\_glauca\_raxml.bt095



refRAD.ref\_glauca\_raxml.bt096

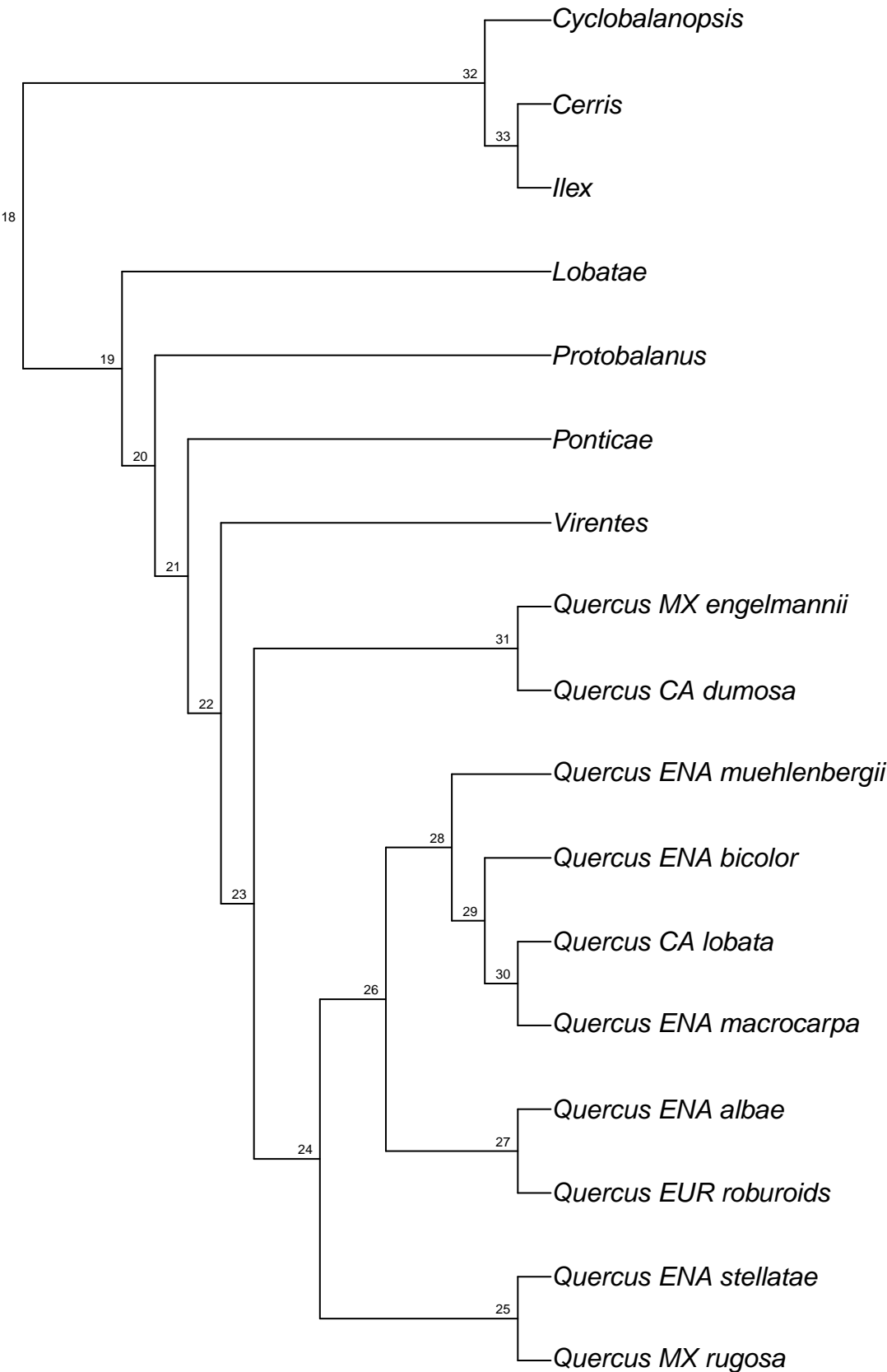


refRAD.ref\_glauca\_raxml.bt097

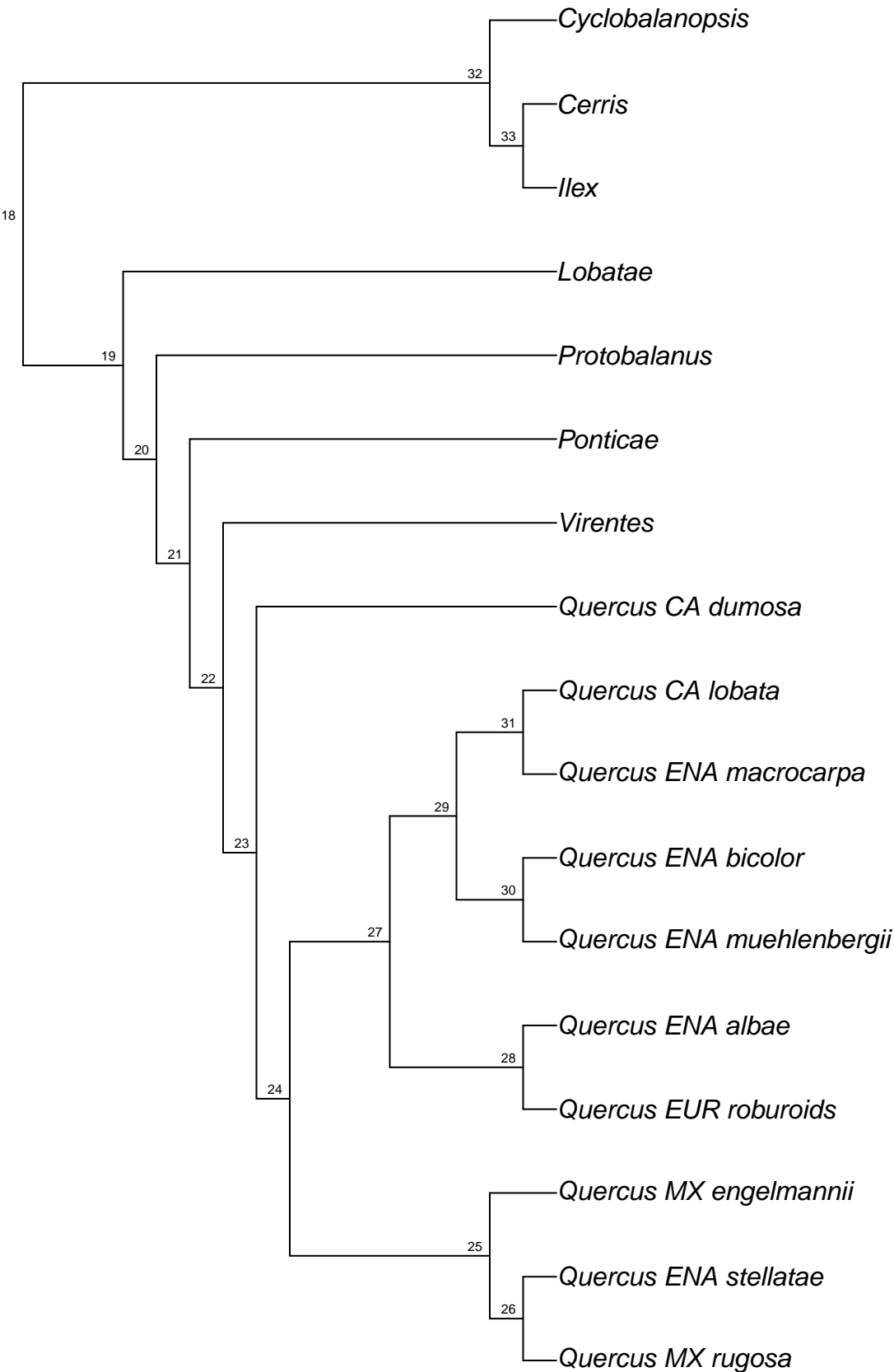




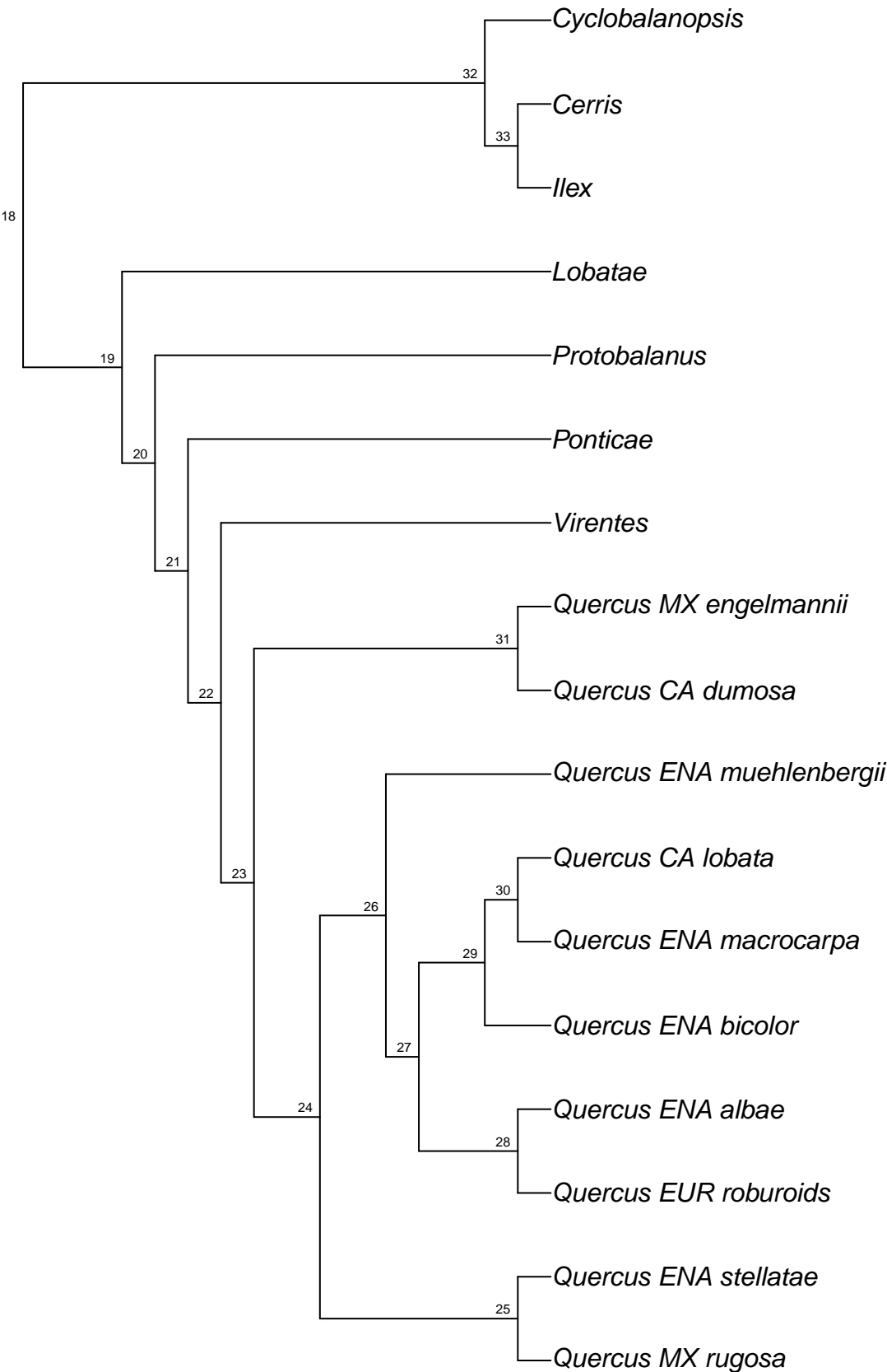
refRAD.ref\_glauca\_raxml.bt098



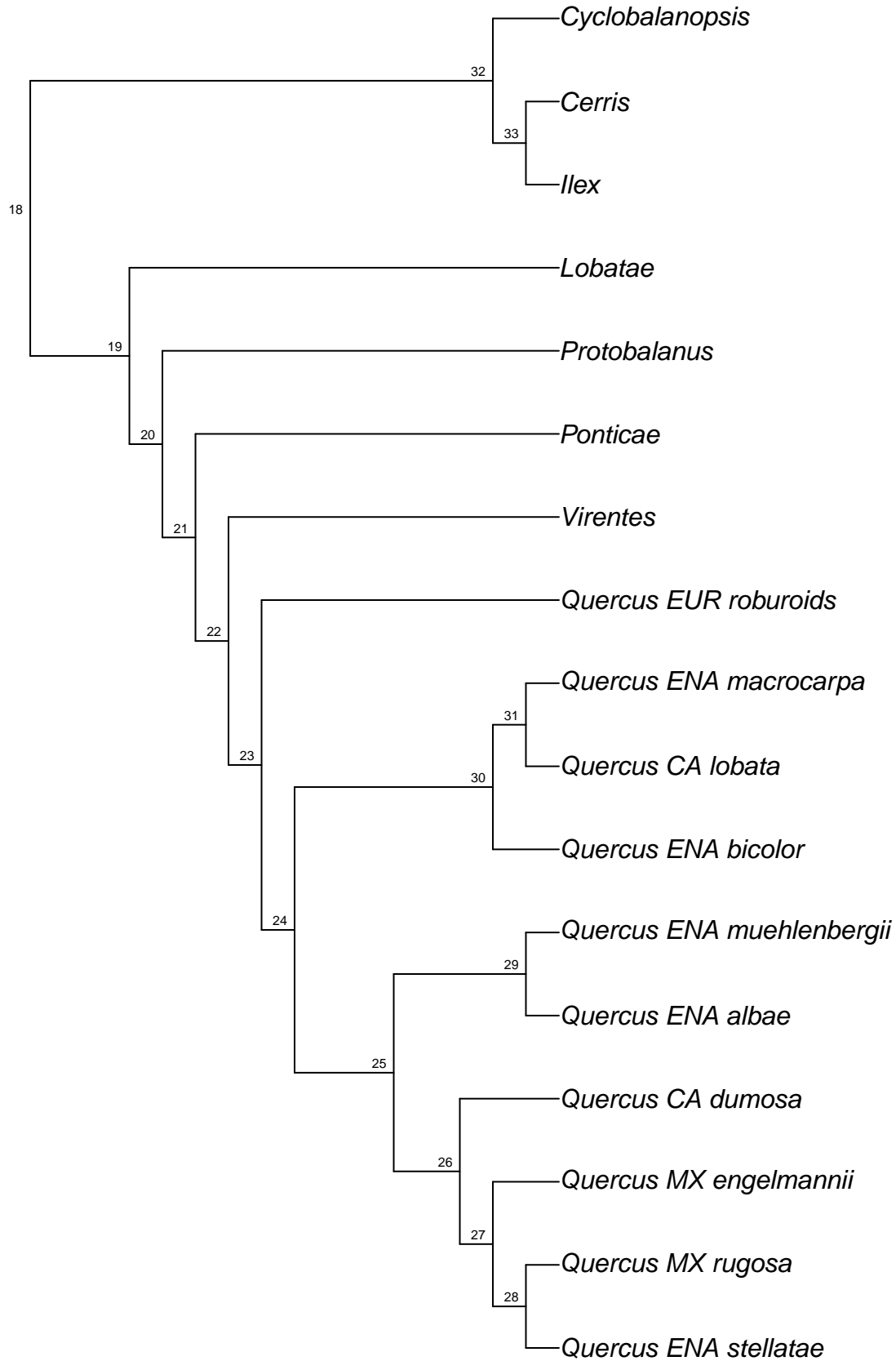
refRAD.ref\_glauca\_raxml.bt099



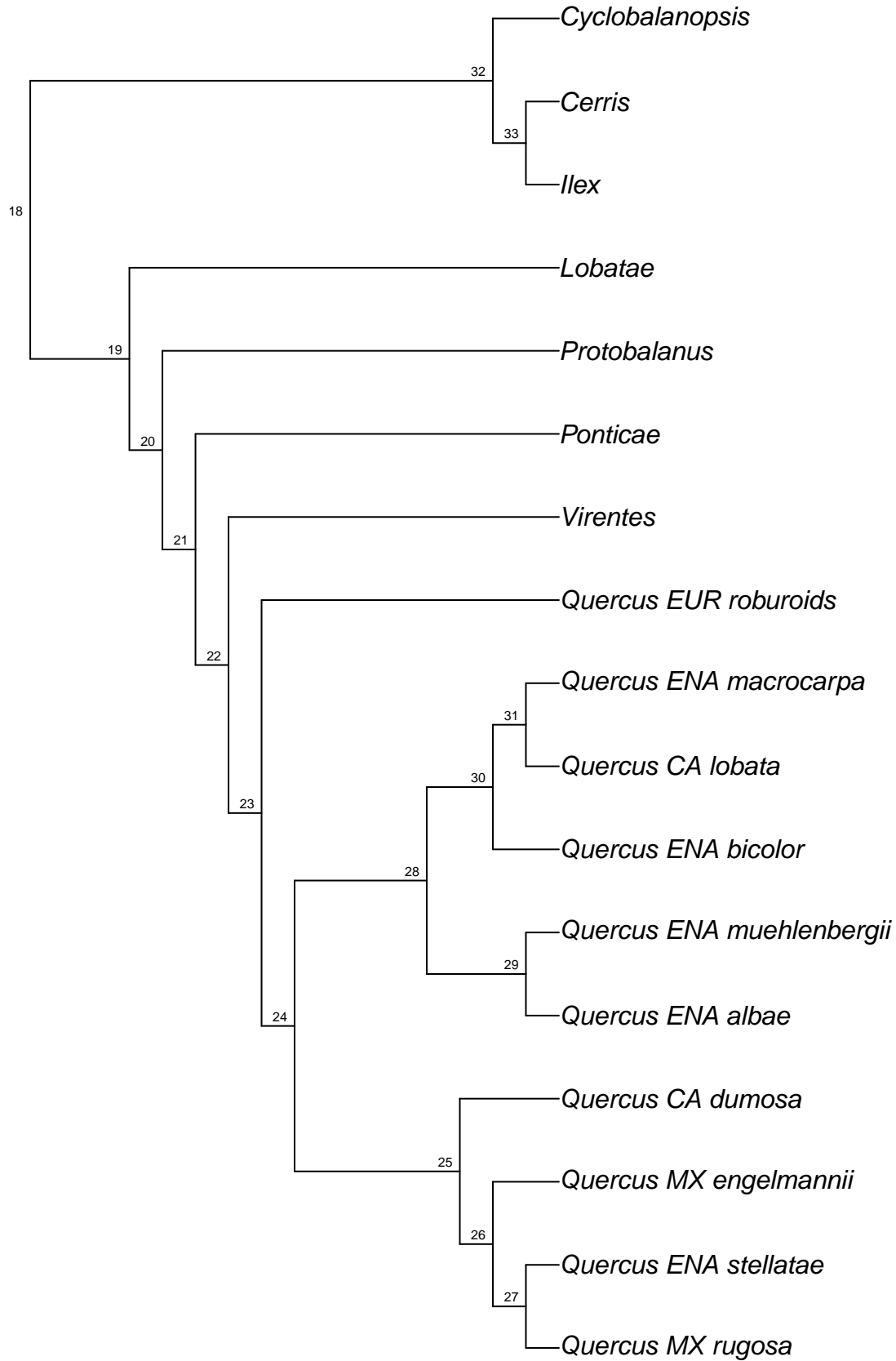
refRAD.ref\_glauca\_raxml.bt100



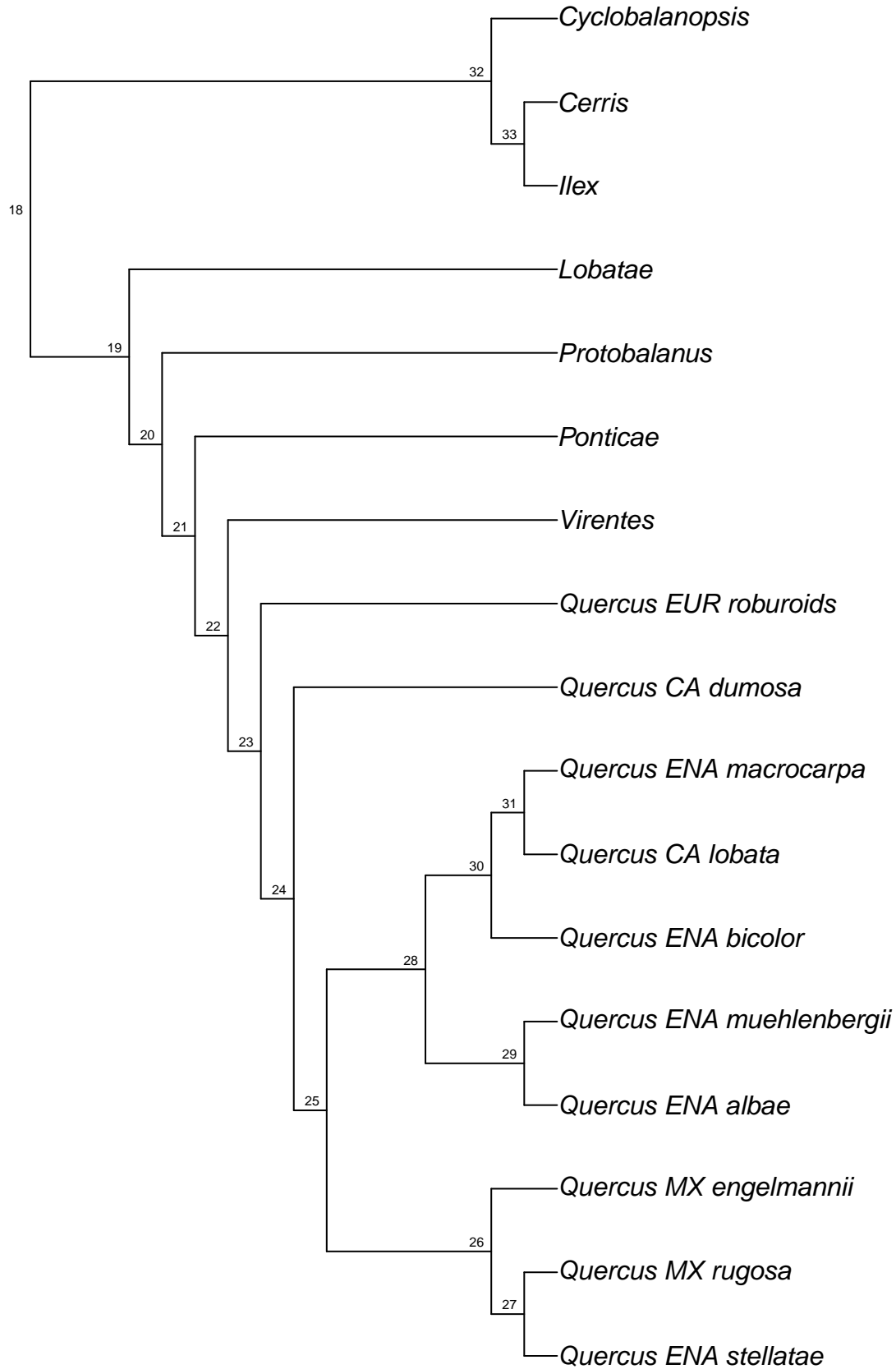
refRAD.ref\_longispica\_raxml.bt001



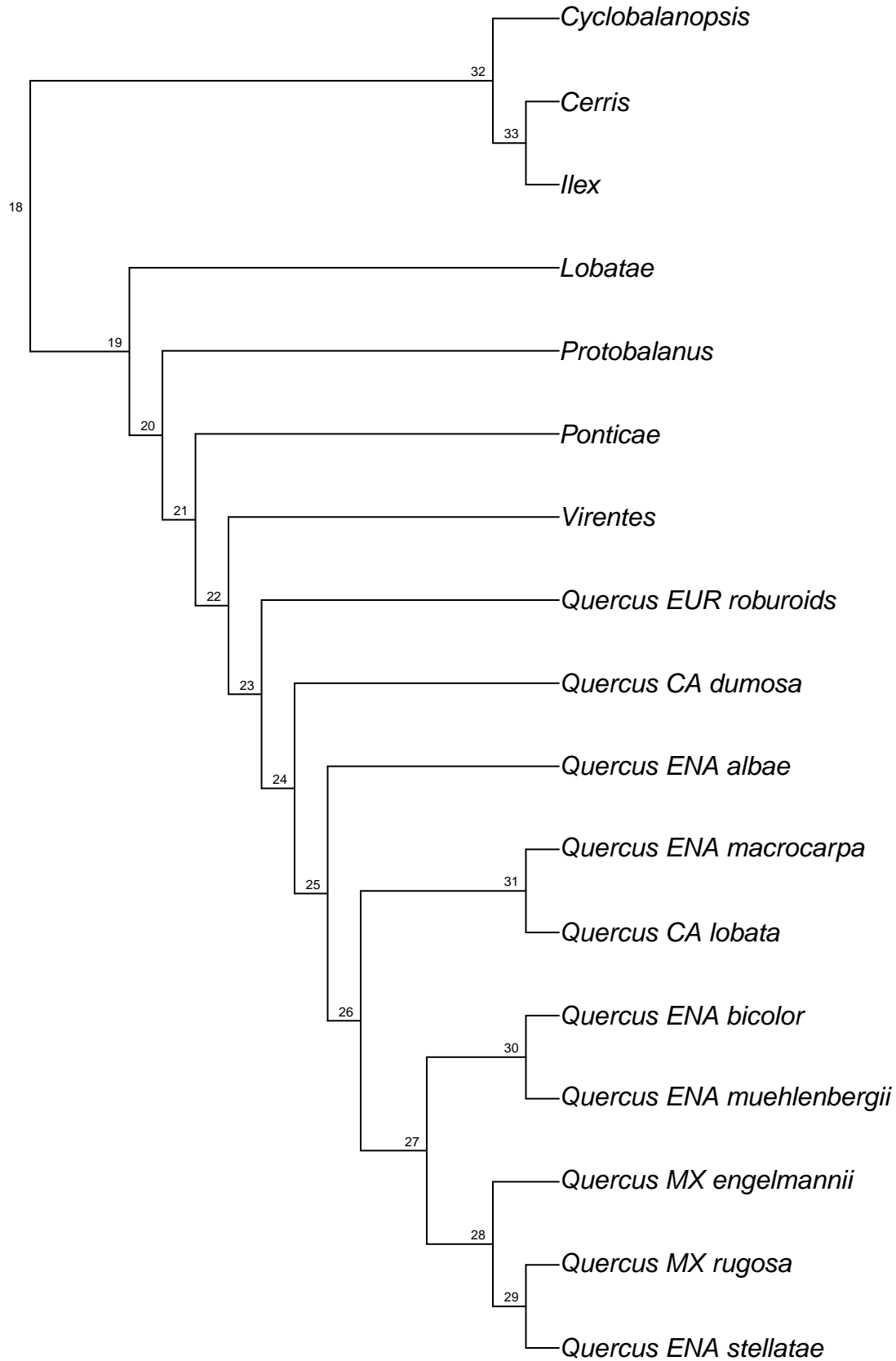
refRAD.ref\_longispica\_raxml.bt002



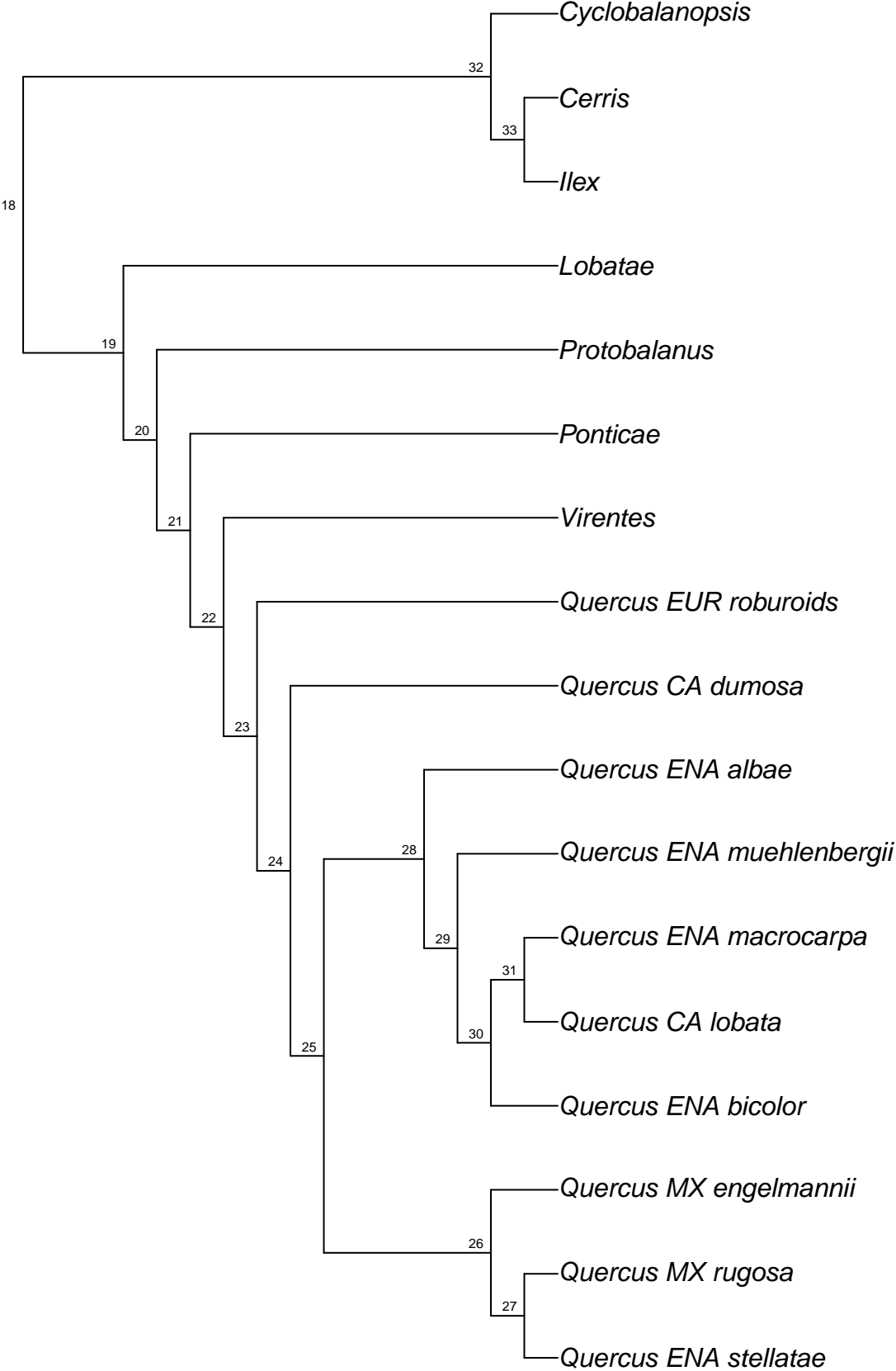
refRAD.ref\_longispica\_raxml.bt003



refRAD.ref\_longispica\_raxml.bt004

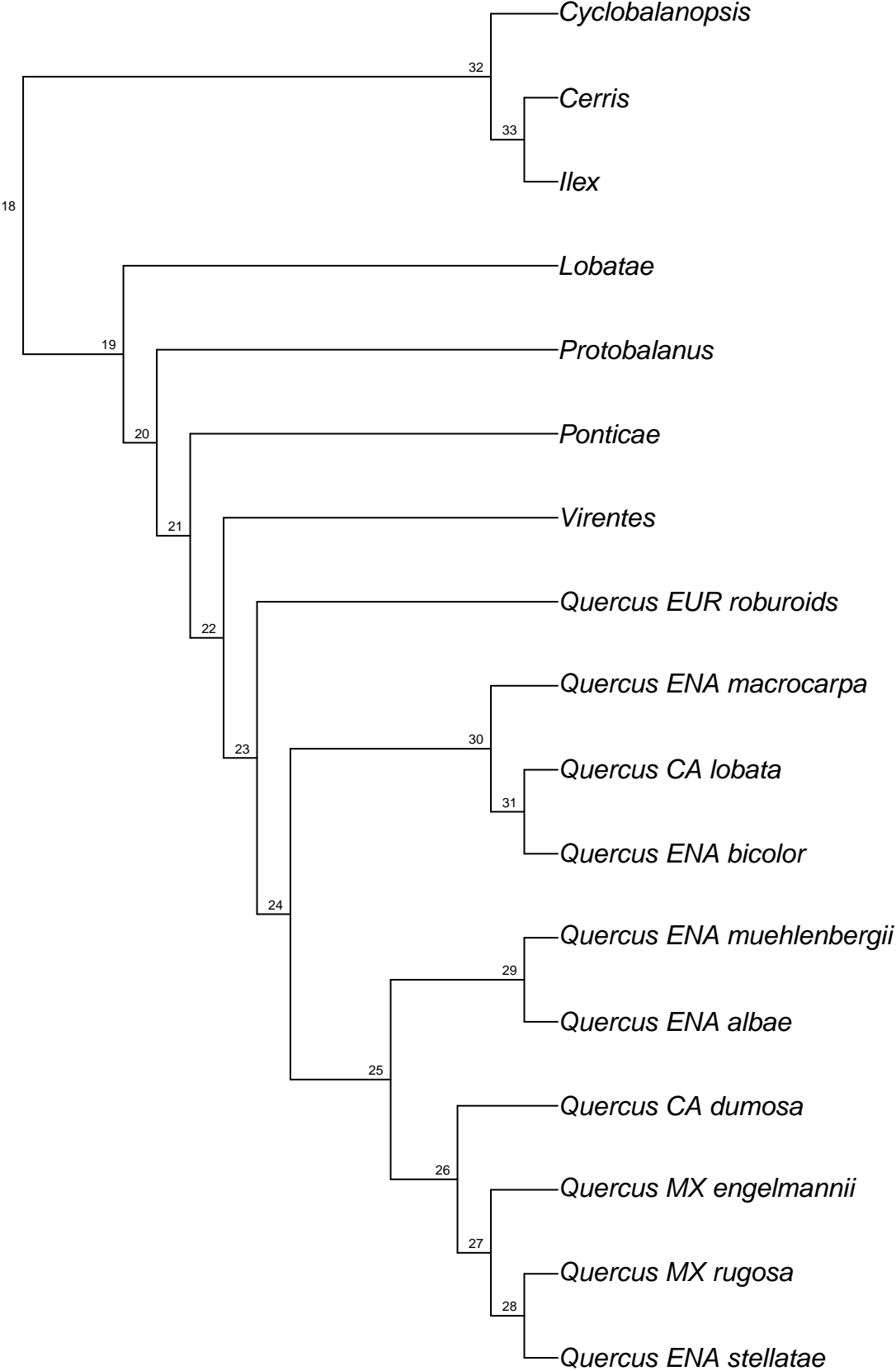


refRAD.ref\_longispica\_raxml.bt005

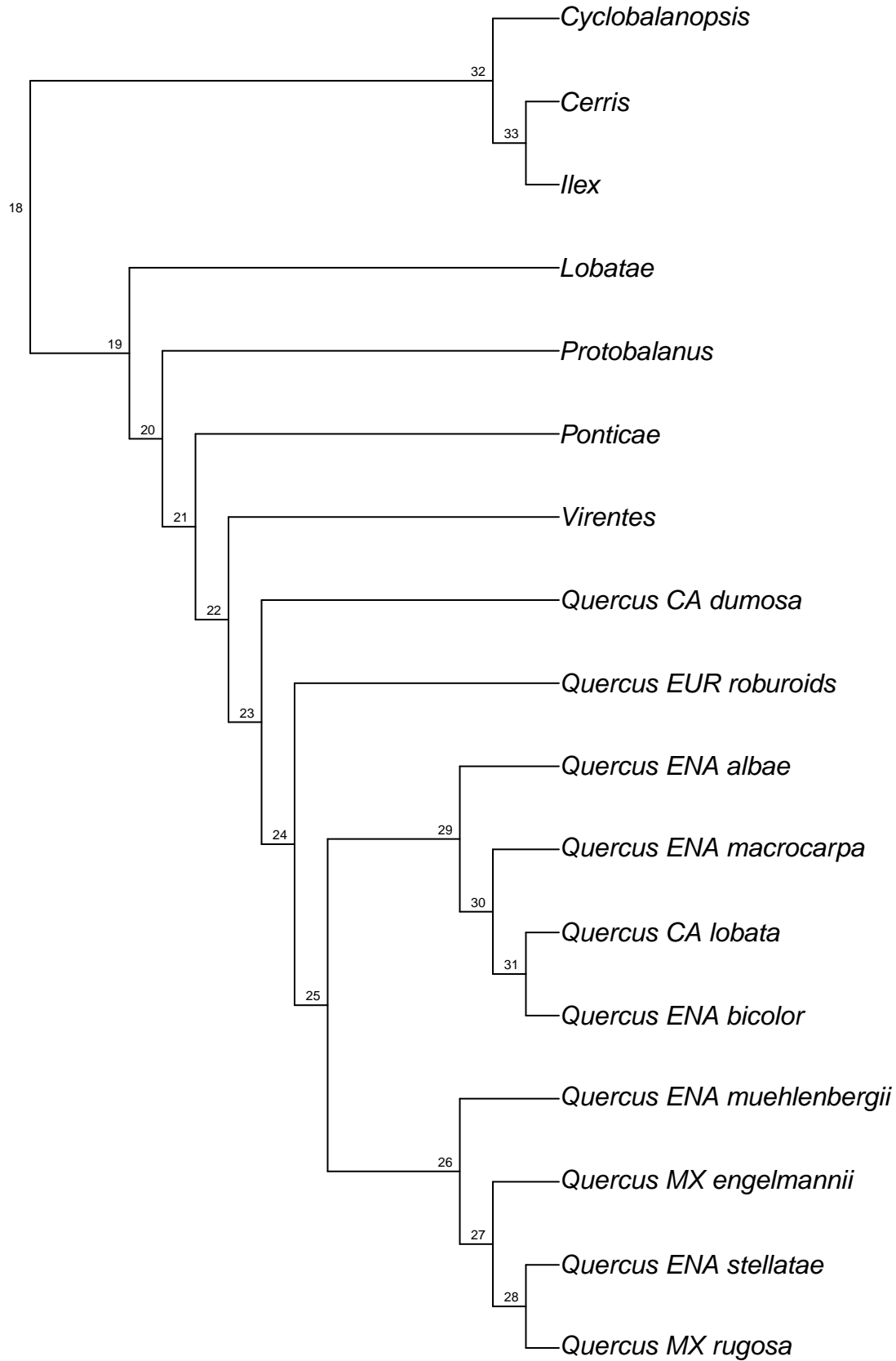




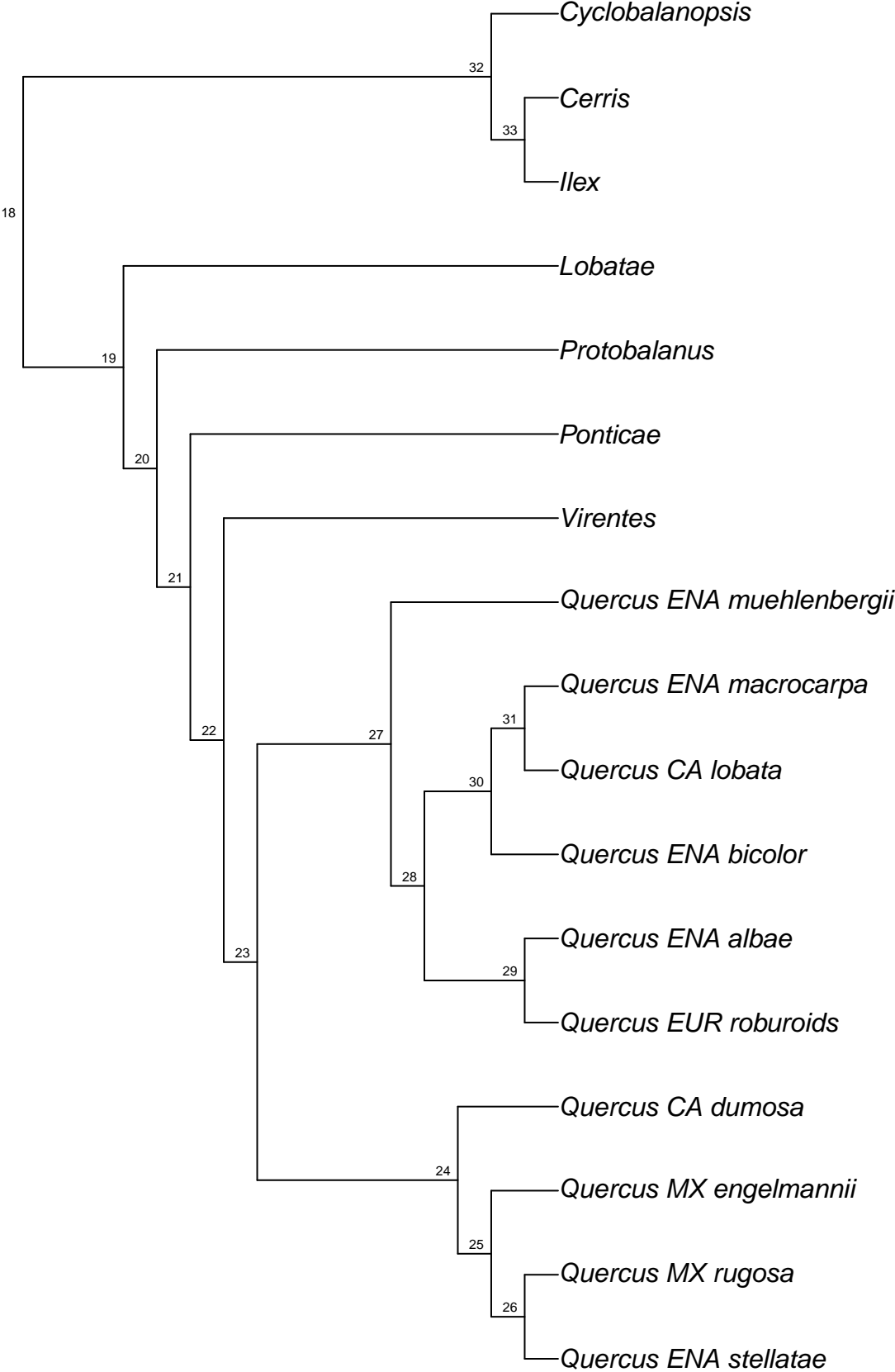
refRAD.ref\_longispica\_raxml.bt006



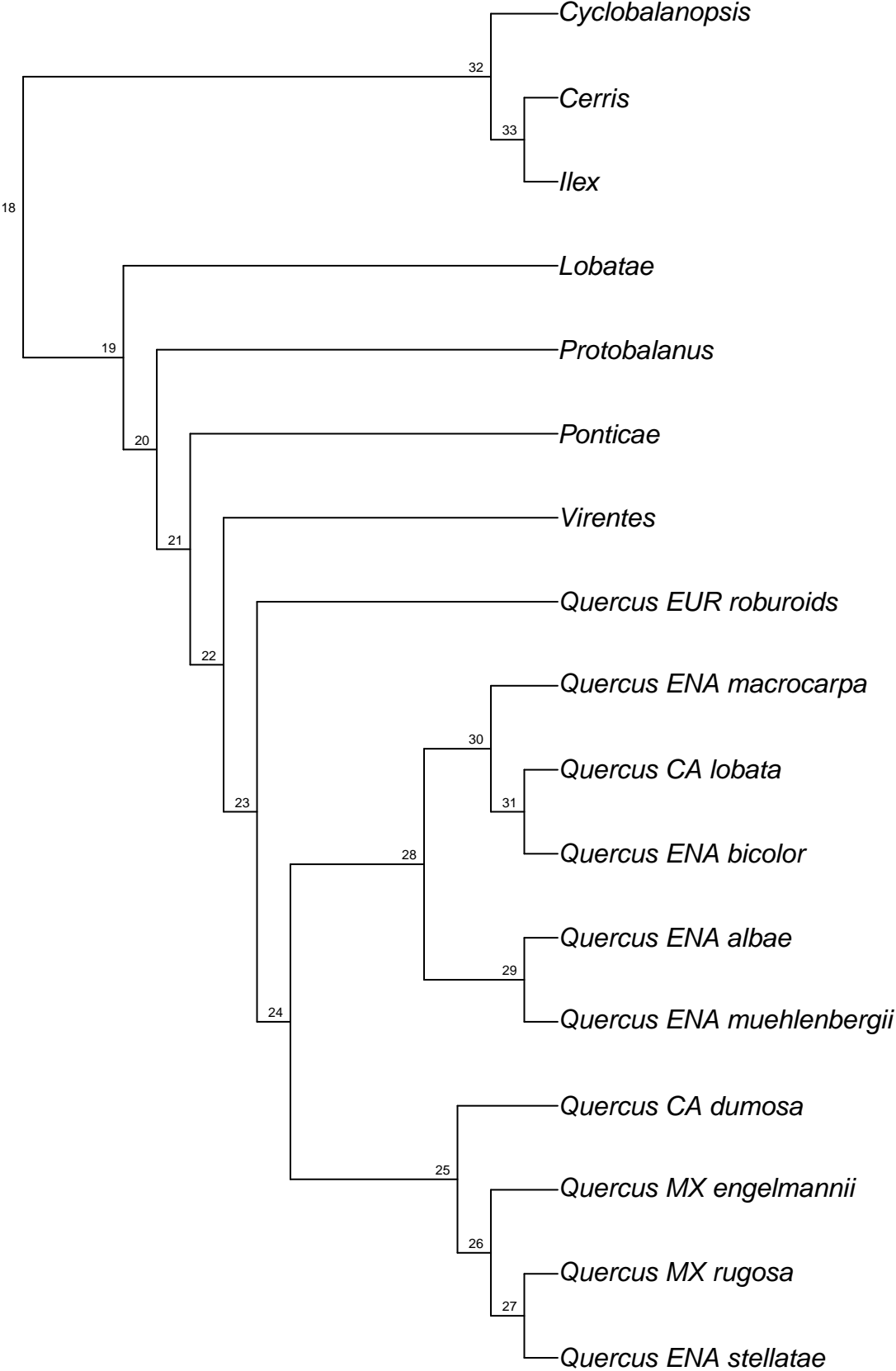
refRAD.ref\_longispica\_raxml.bt007



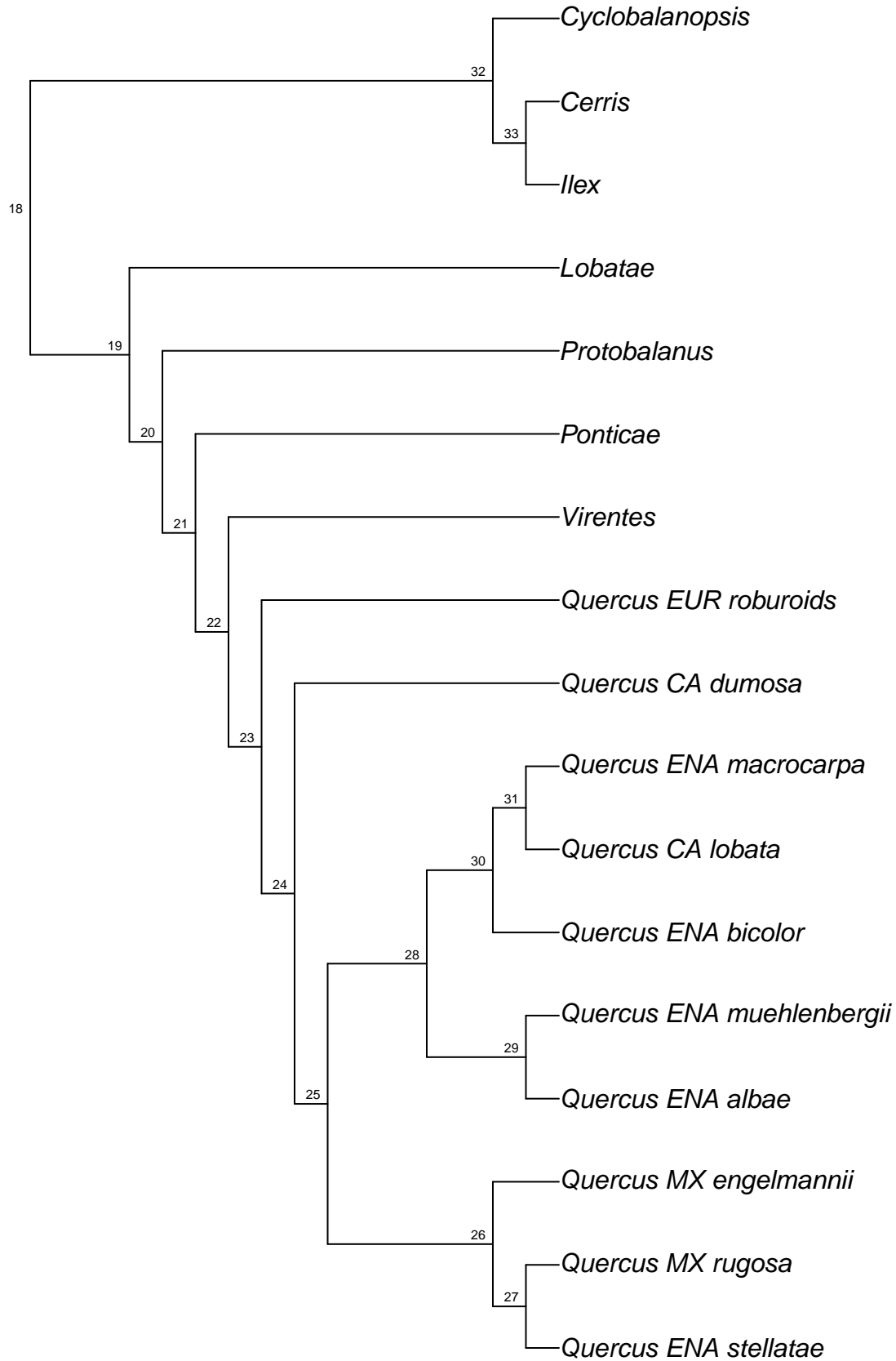
refRAD.ref\_longispica\_raxml.bt008



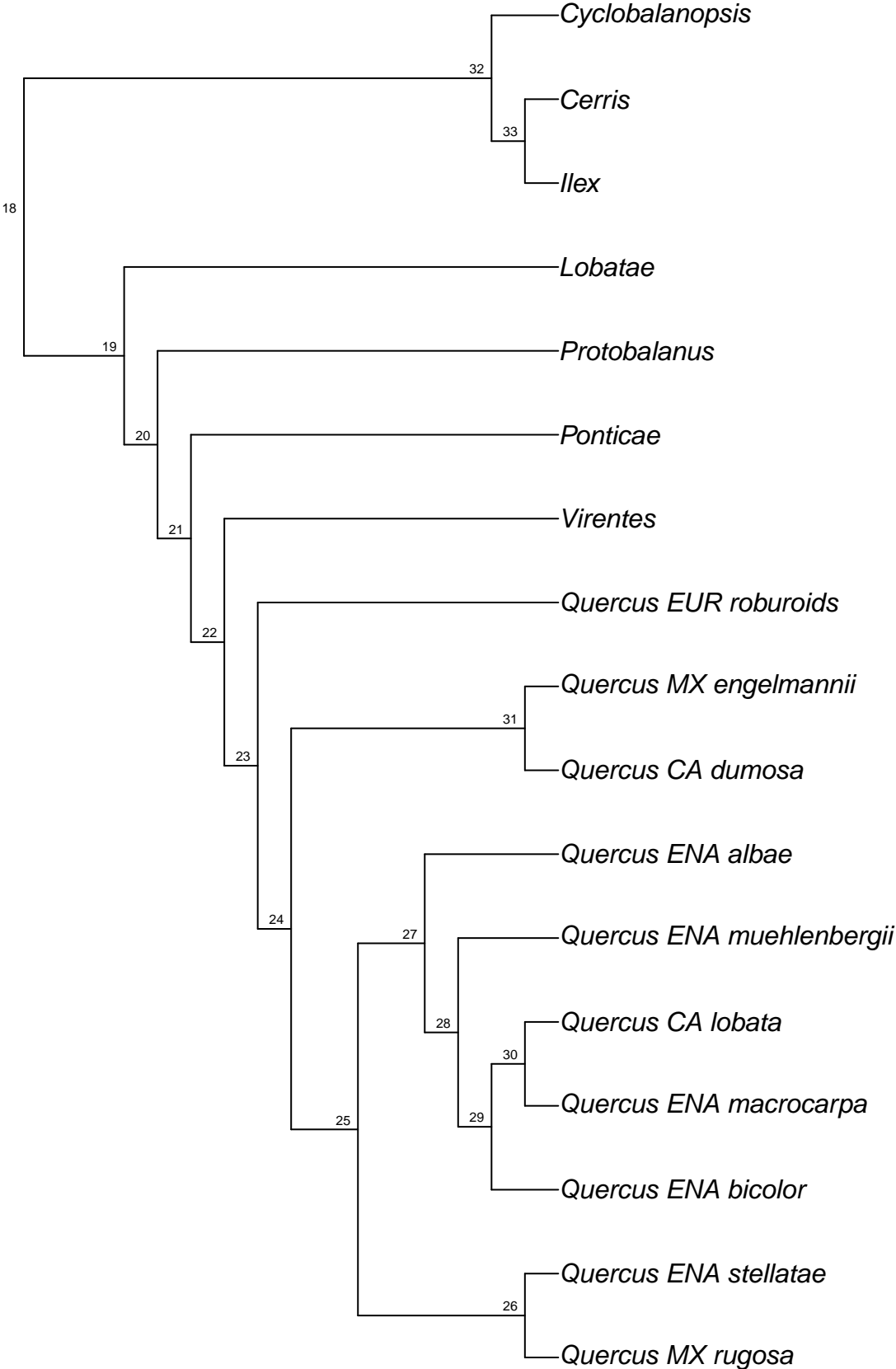
refRAD.ref\_longispica\_raxml.bt009



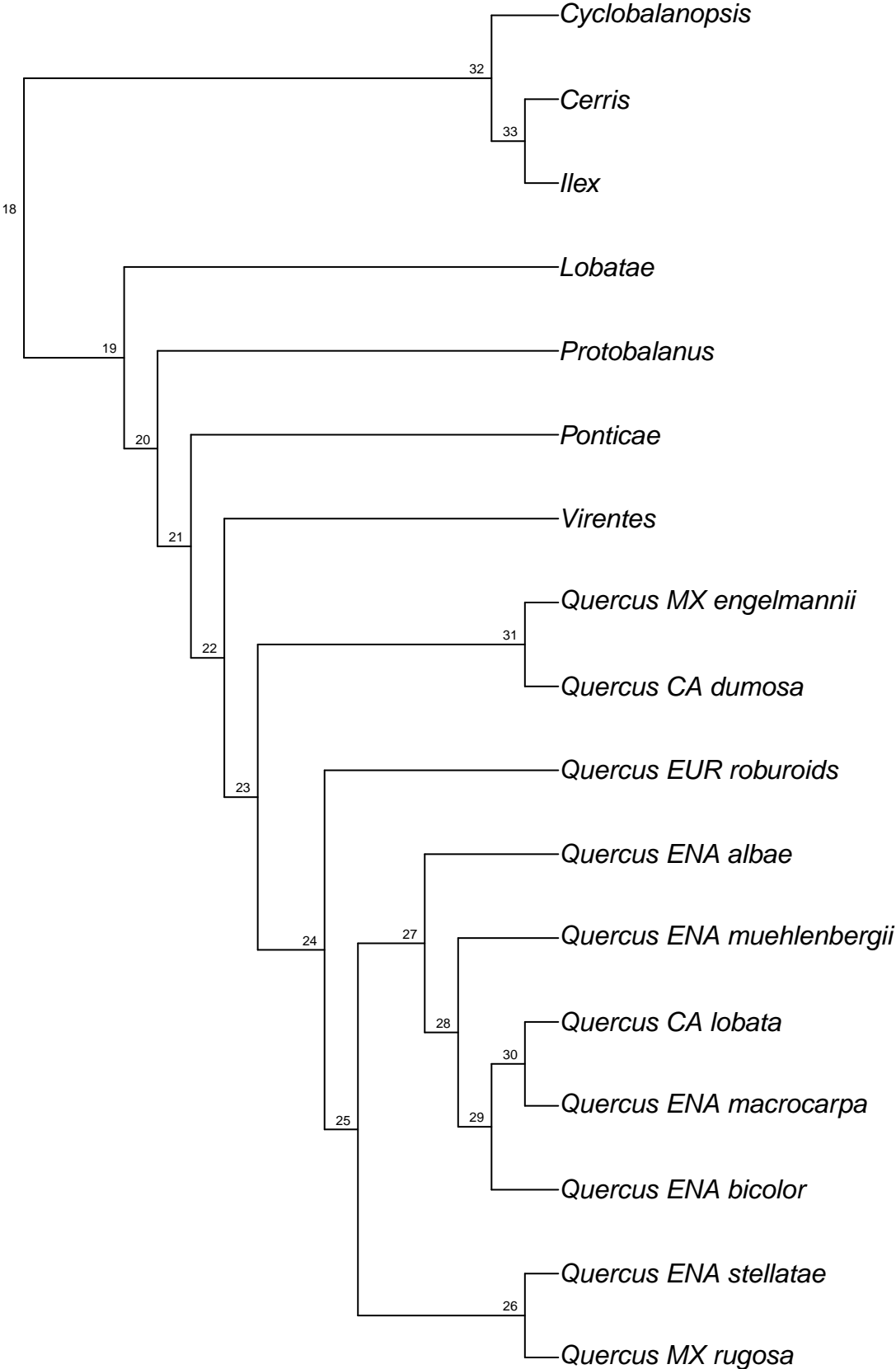
refRAD.ref\_longispica\_raxml.bt010



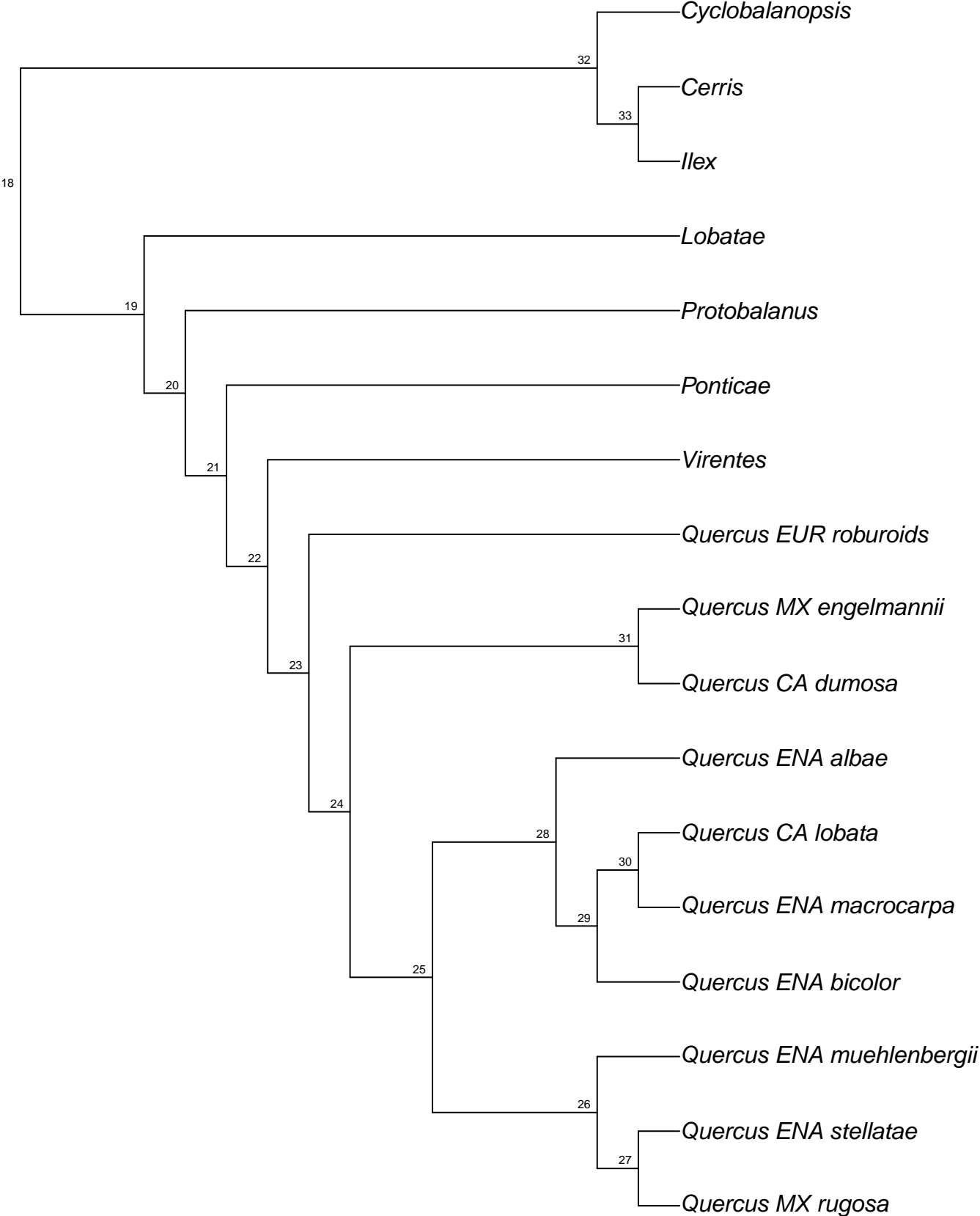
refRAD.ref\_longispica\_raxml.bt011



refRAD.ref\_longispica\_raxml.bt012

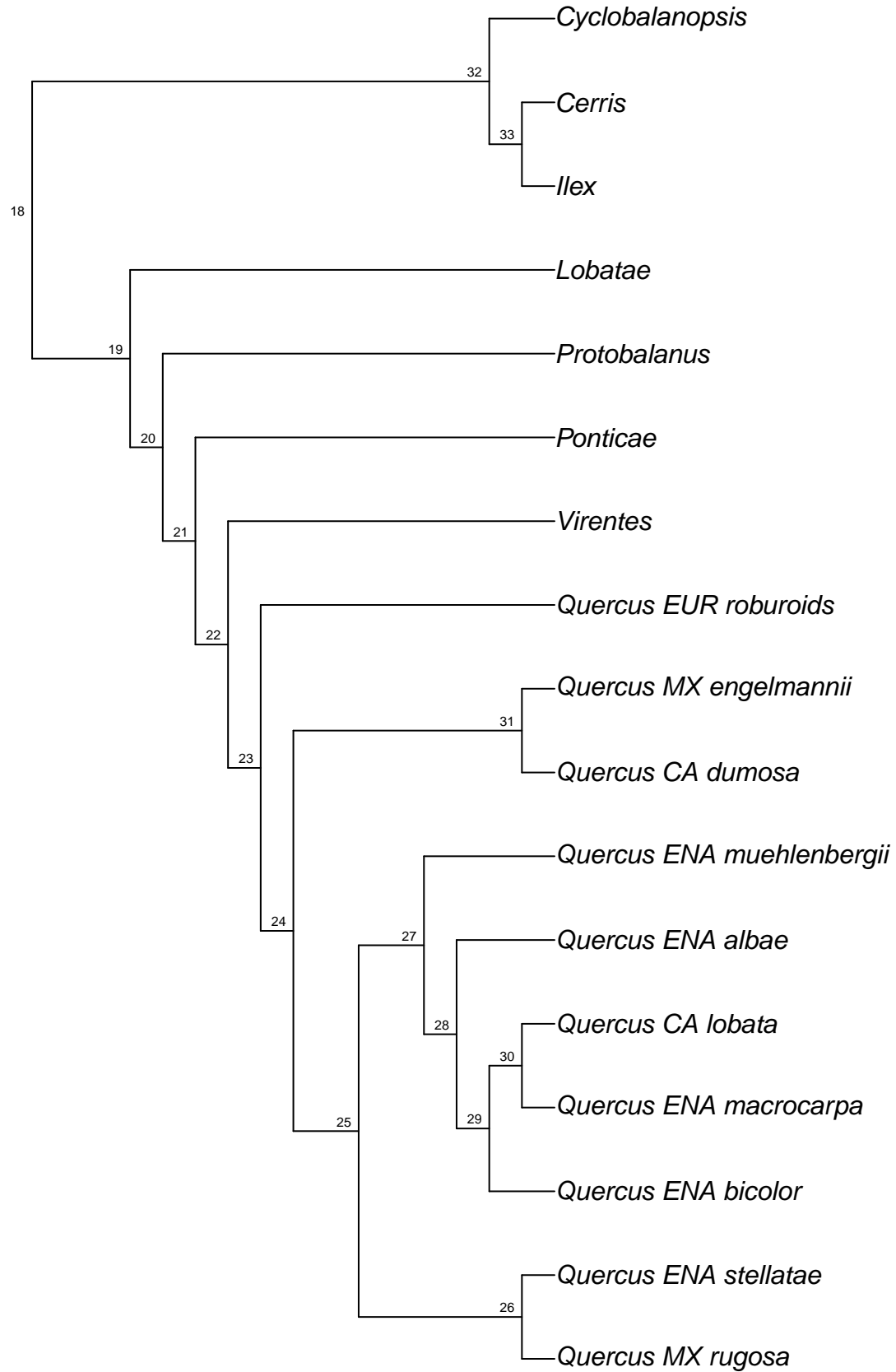


refRAD.ref\_longispica\_raxml.bt013

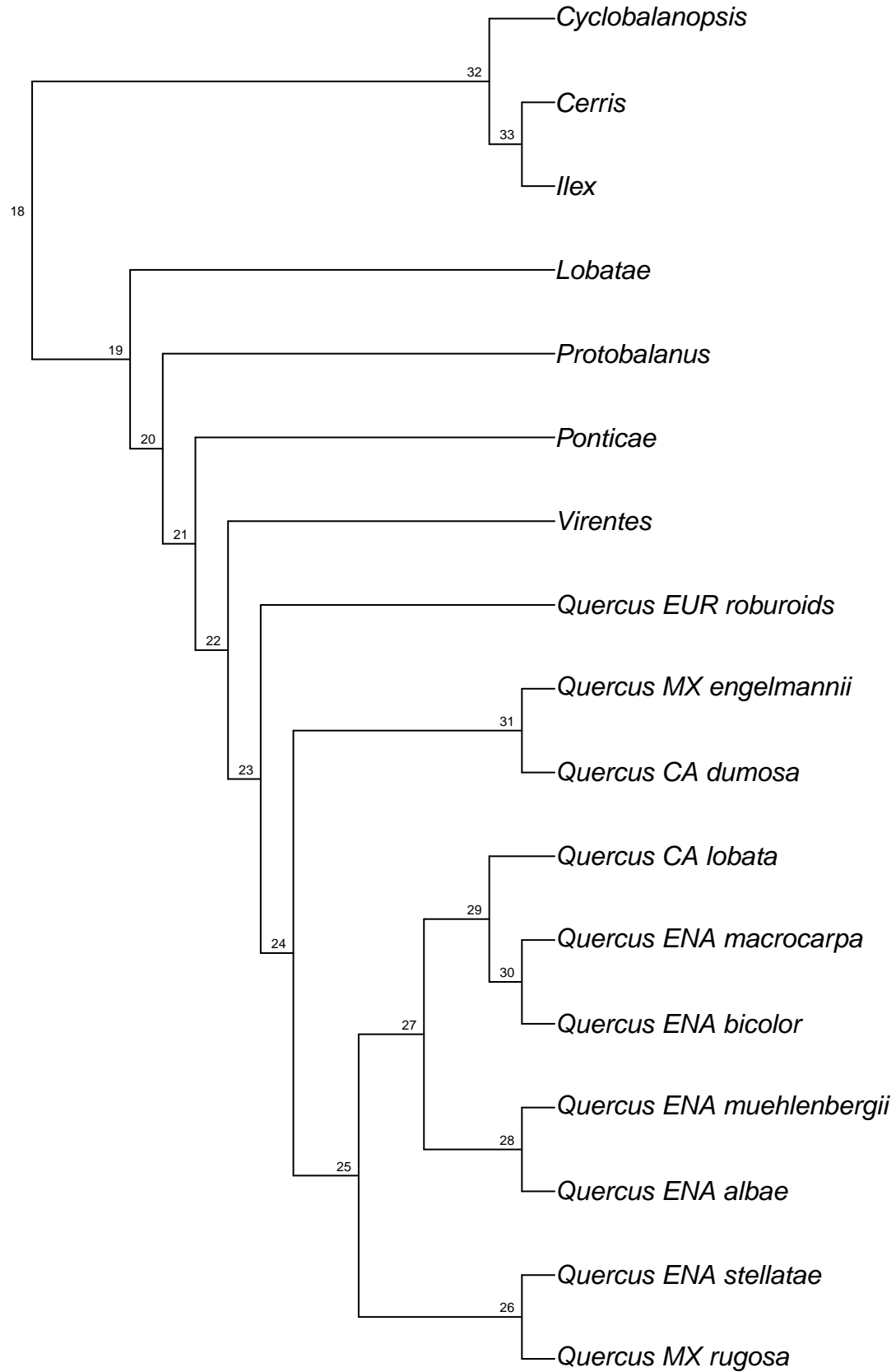




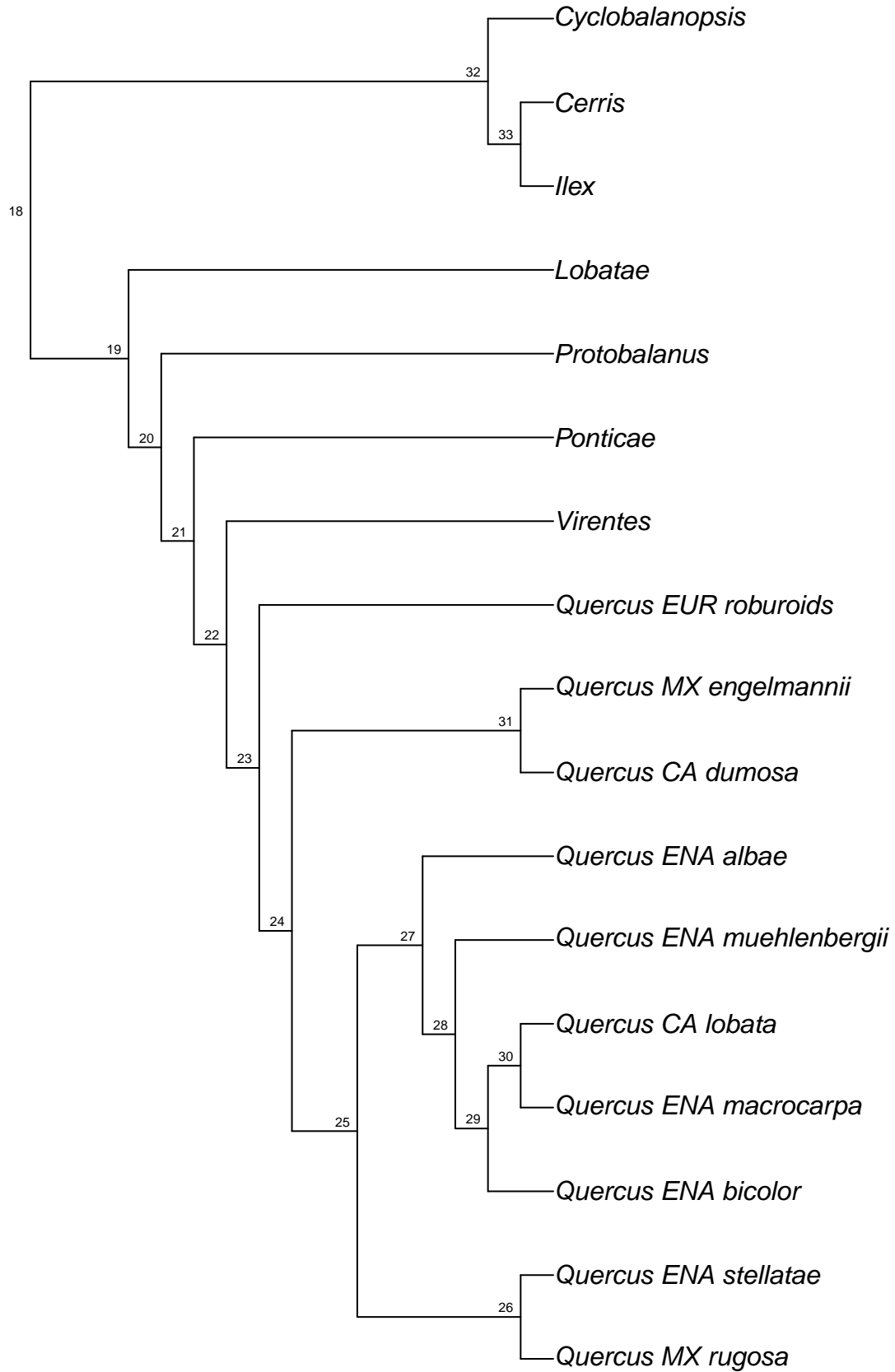
refRAD.ref\_longispica\_raxml.bt014



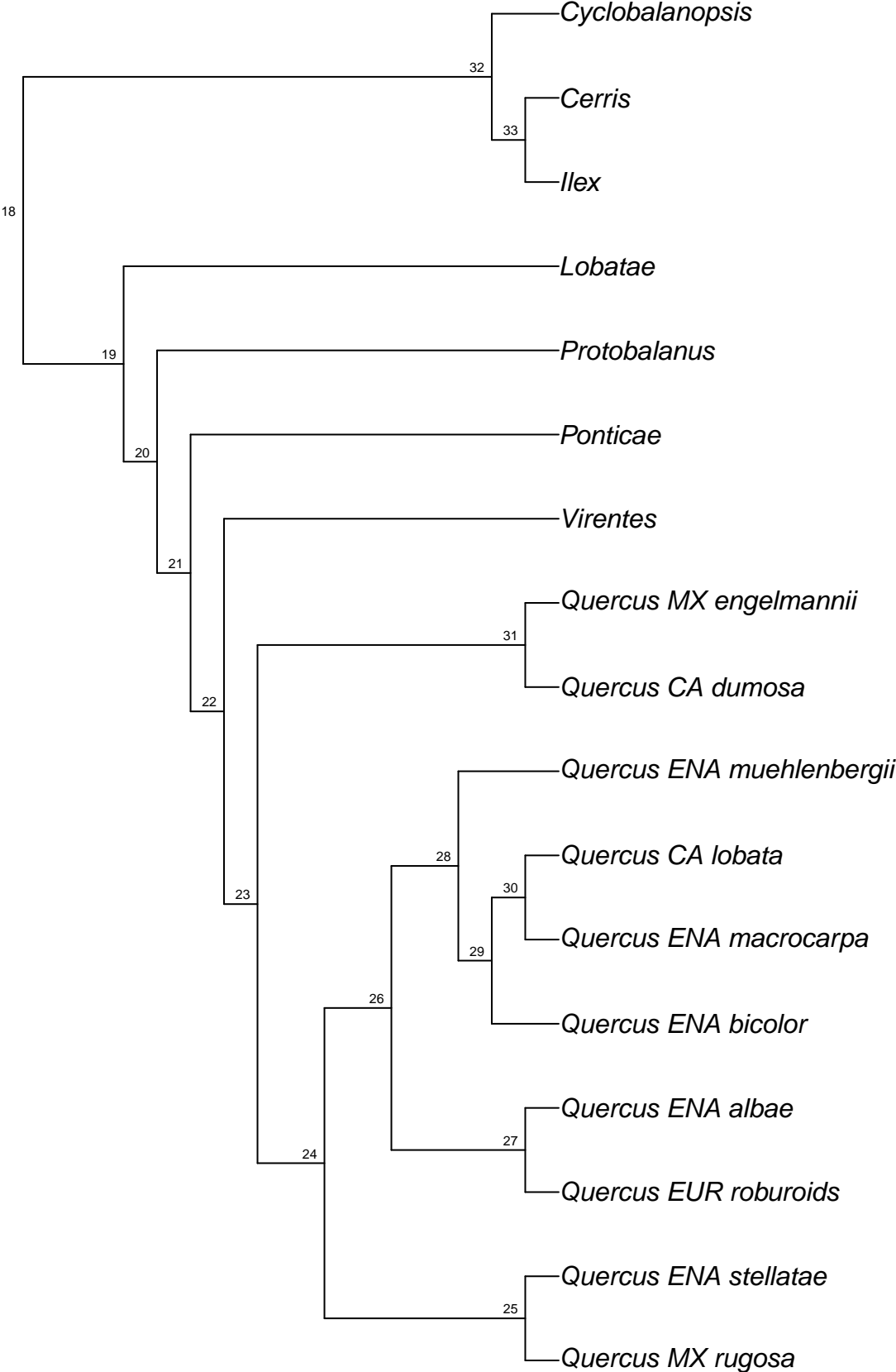
refRAD.ref\_longispica\_raxml.bt015



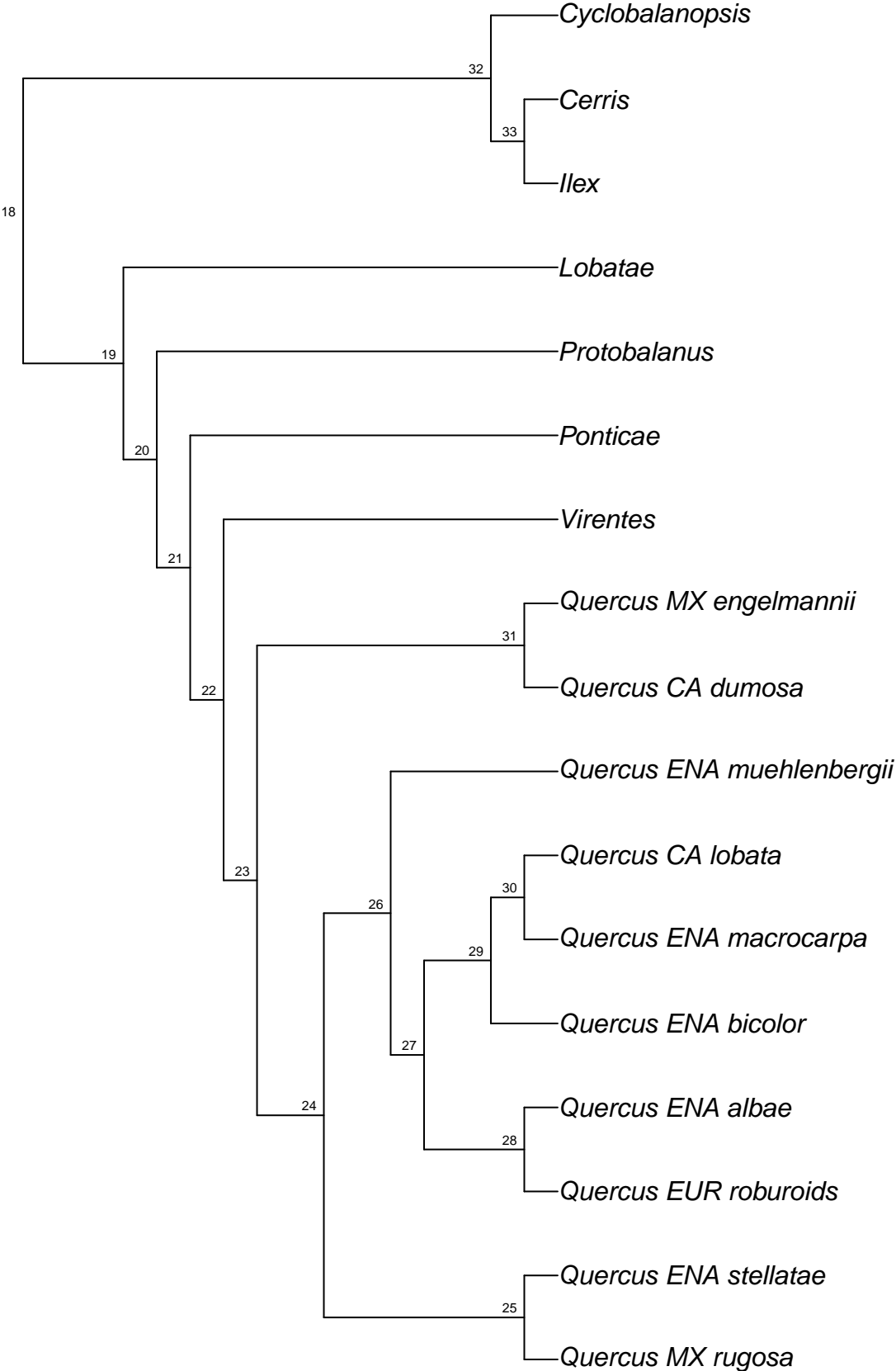
refRAD.ref\_longispica\_raxml.bt016



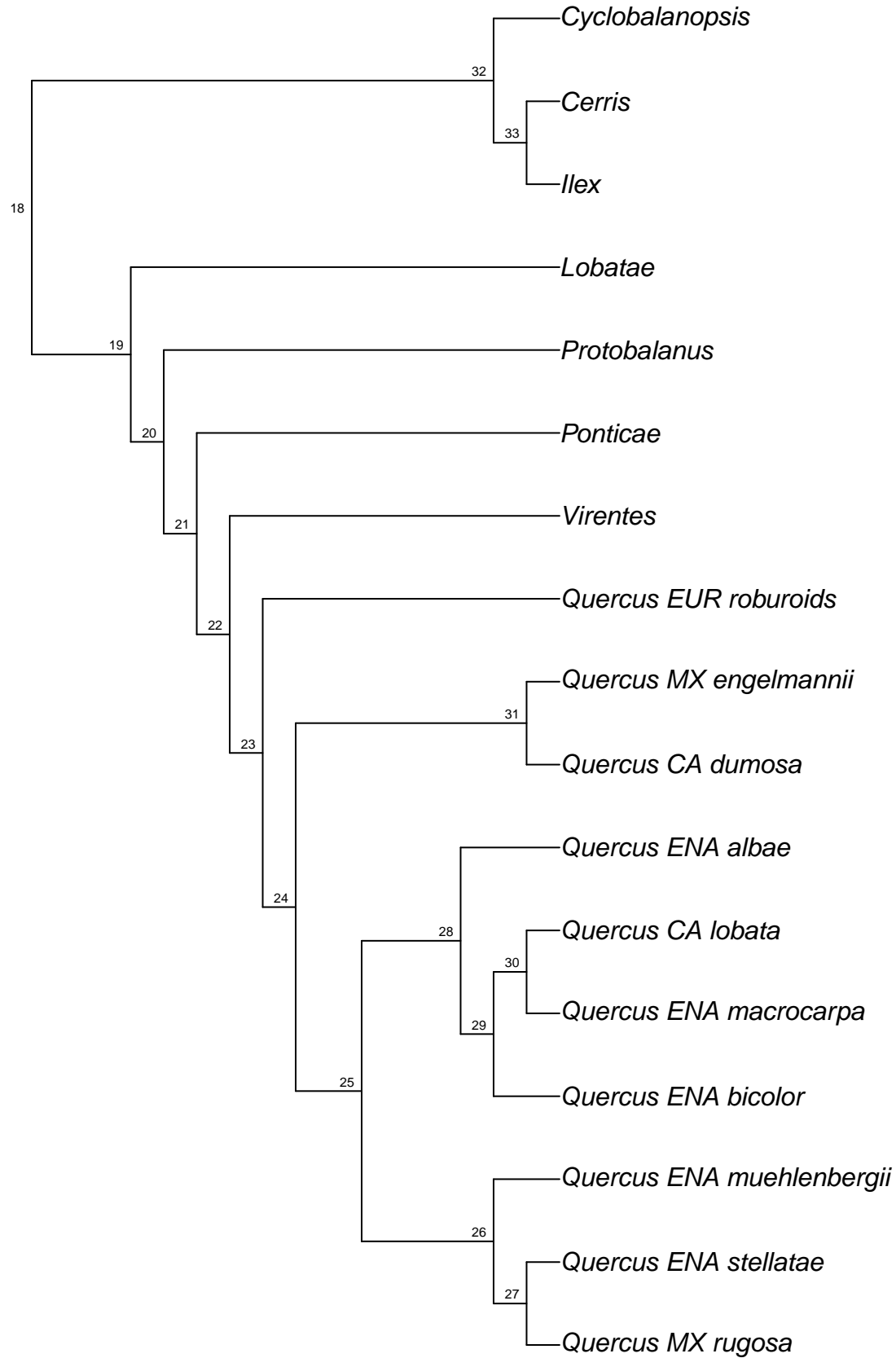
refRAD.ref\_longispica\_raxml.bt017



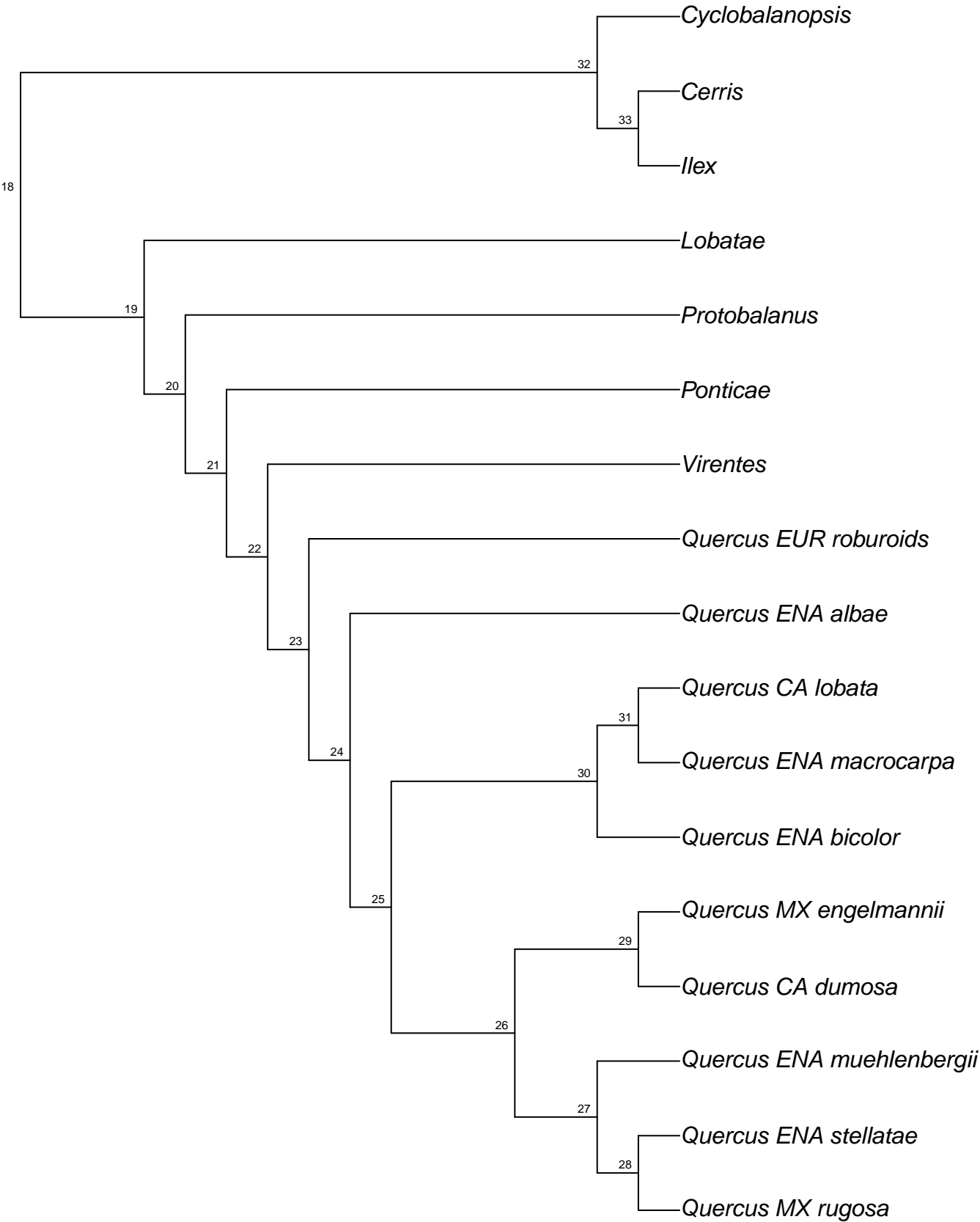
refRAD.ref\_longispica\_raxml.bt018



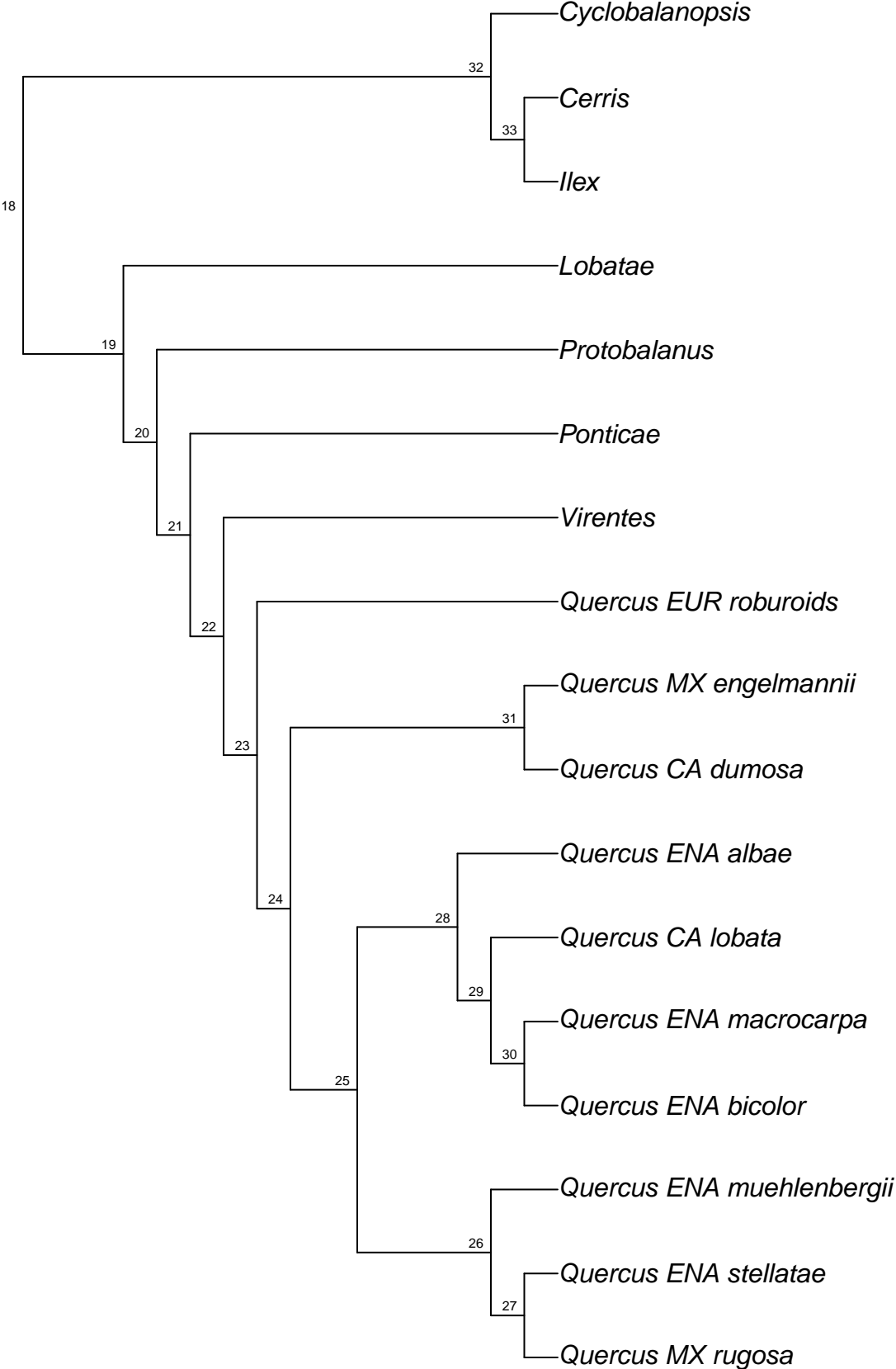
refRAD.ref\_longispica\_raxml.bt019



refRAD.ref\_longispica\_raxml.bt020

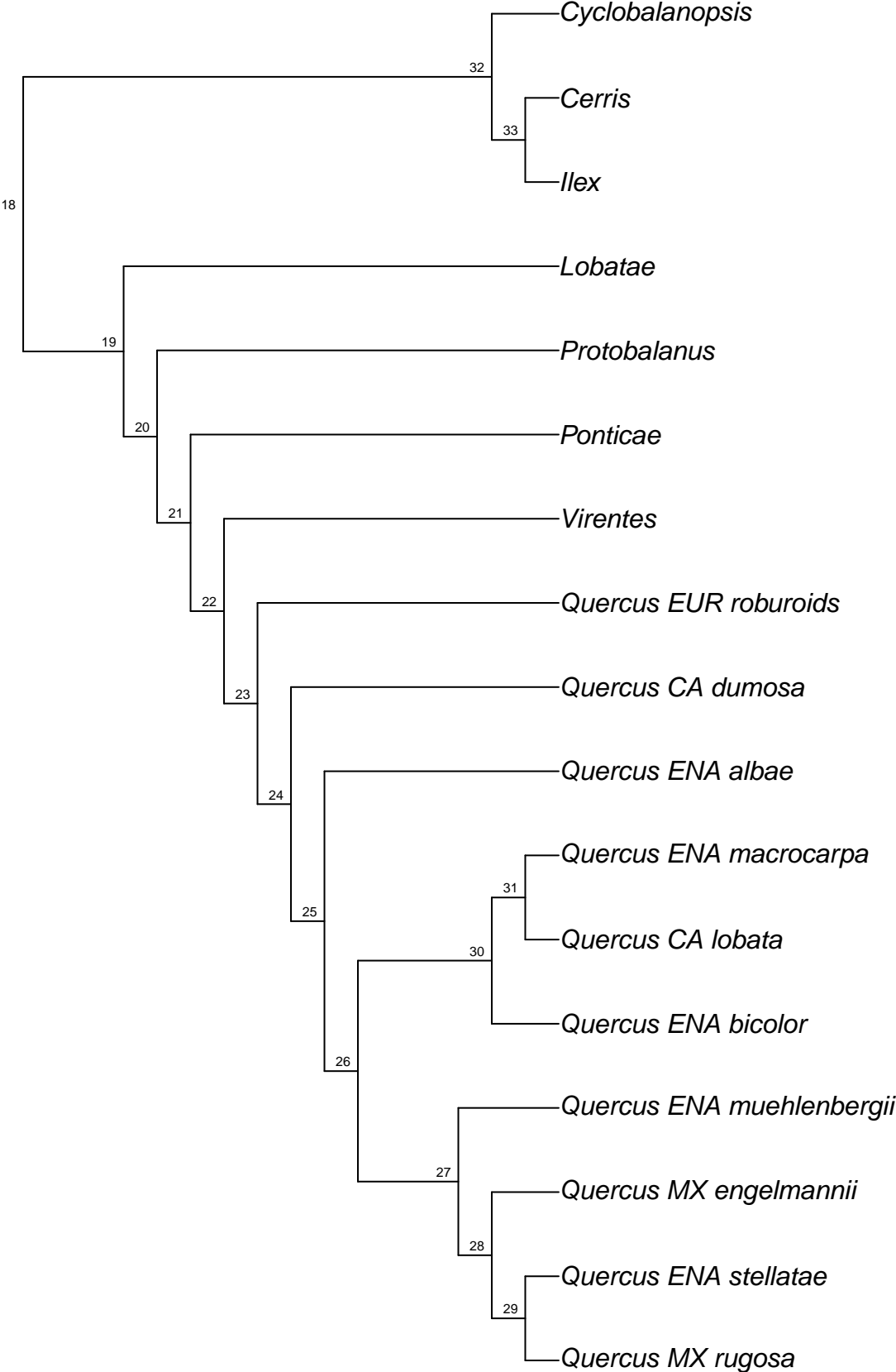


refRAD.ref\_longispica\_raxml.bt021

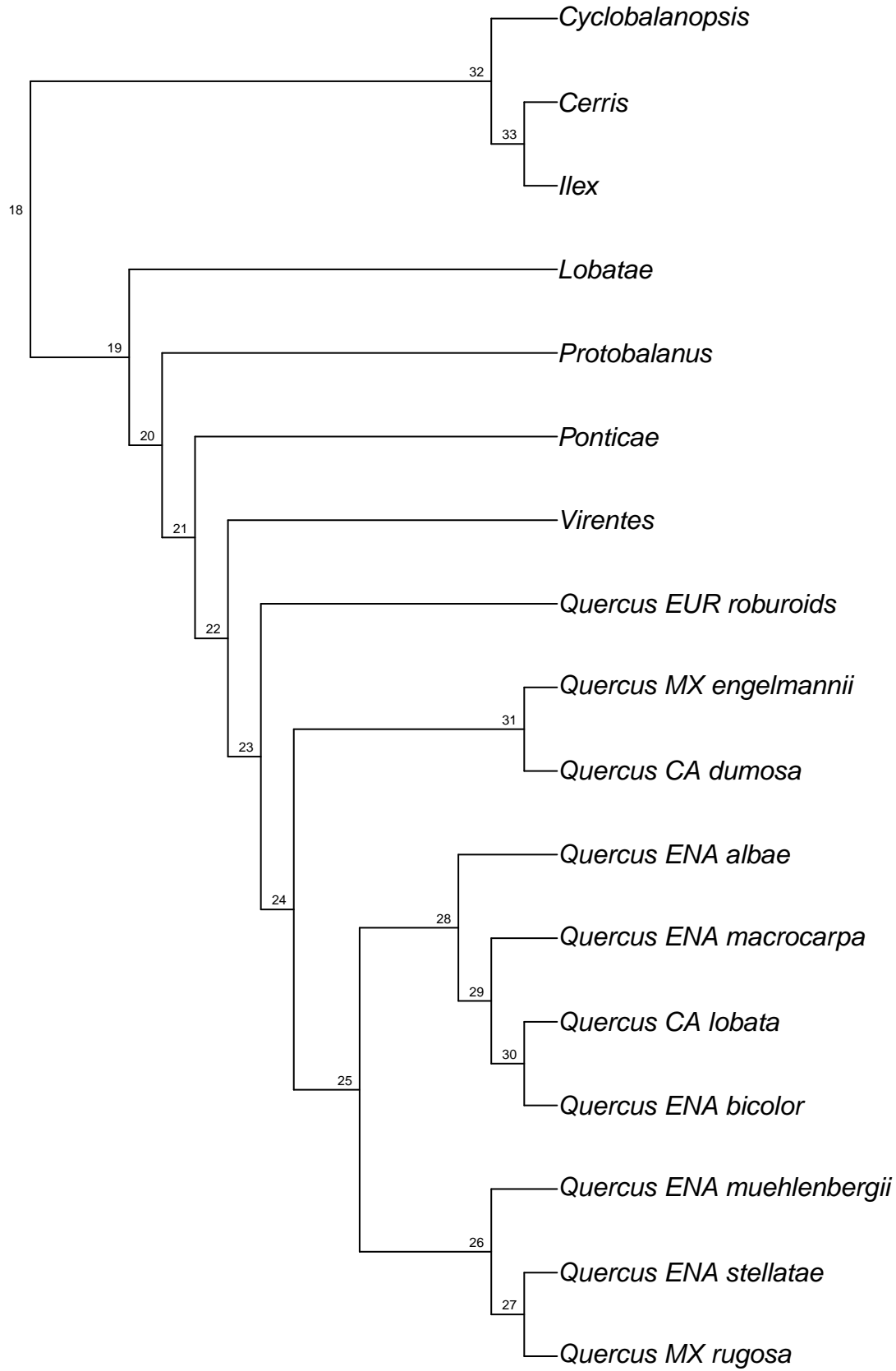




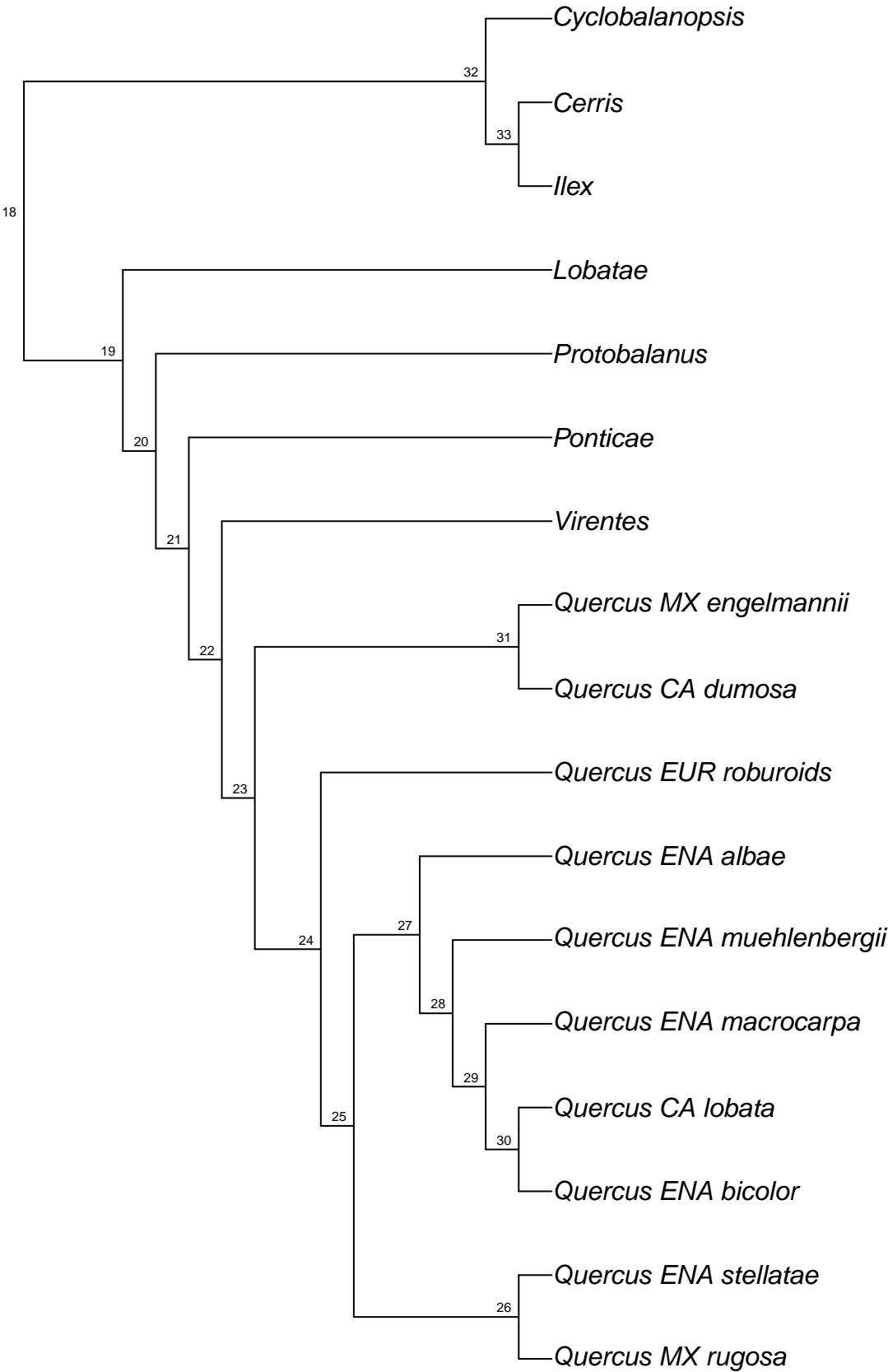
refRAD.ref\_longispica\_raxml.bt022



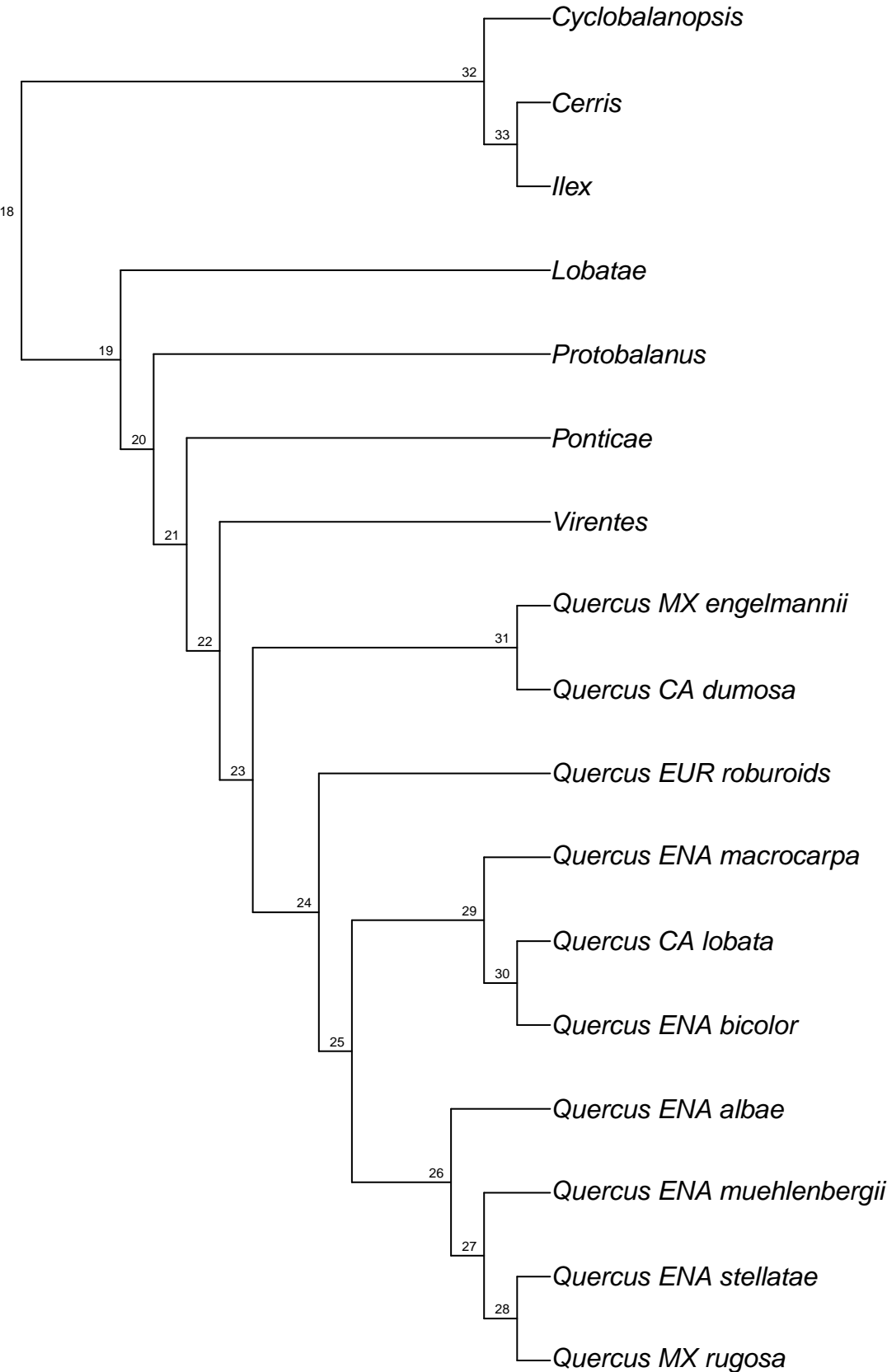
refRAD.ref\_longispica\_raxml.bt023



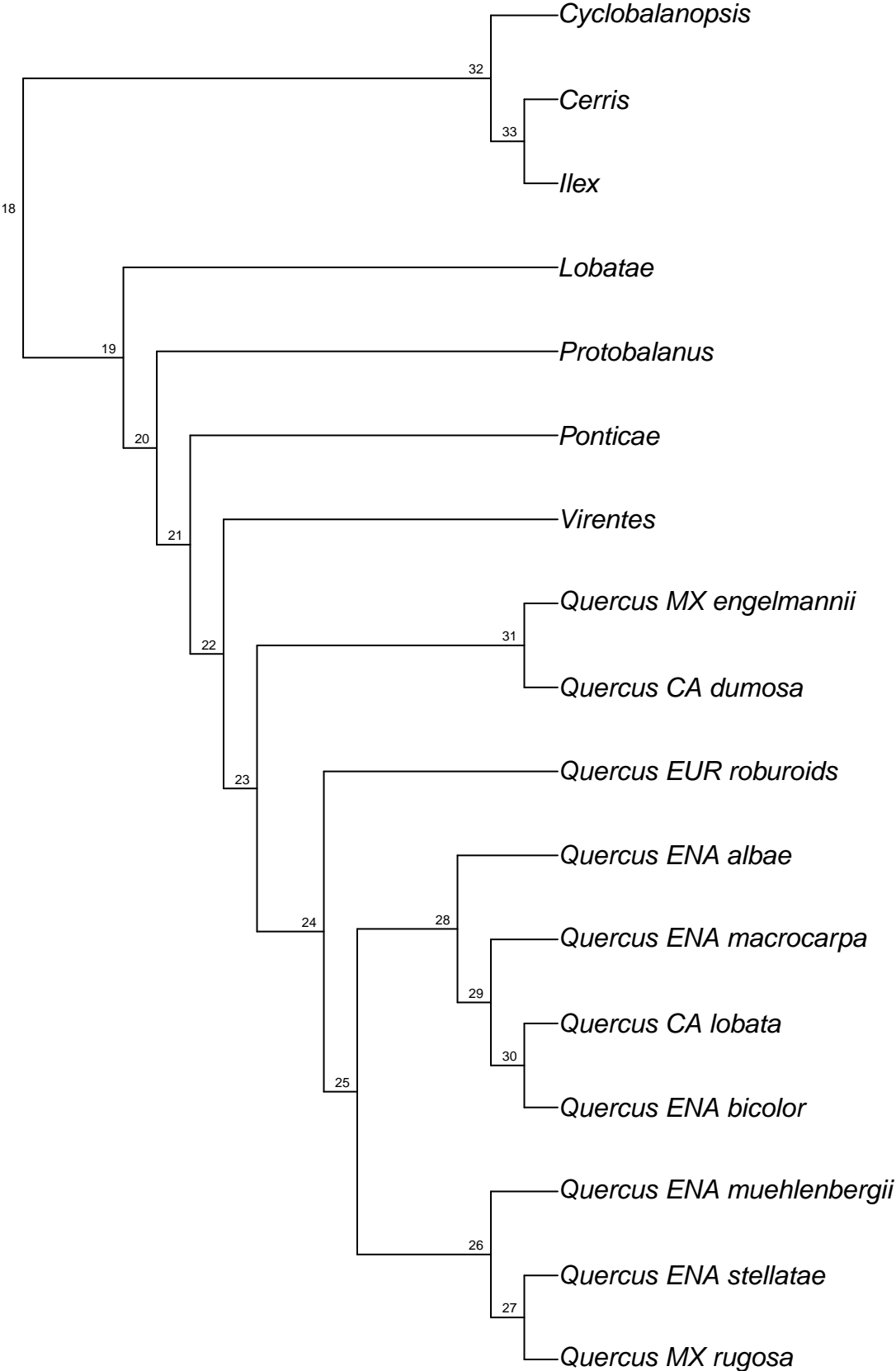
refRAD.ref\_longispica\_raxml.bt024



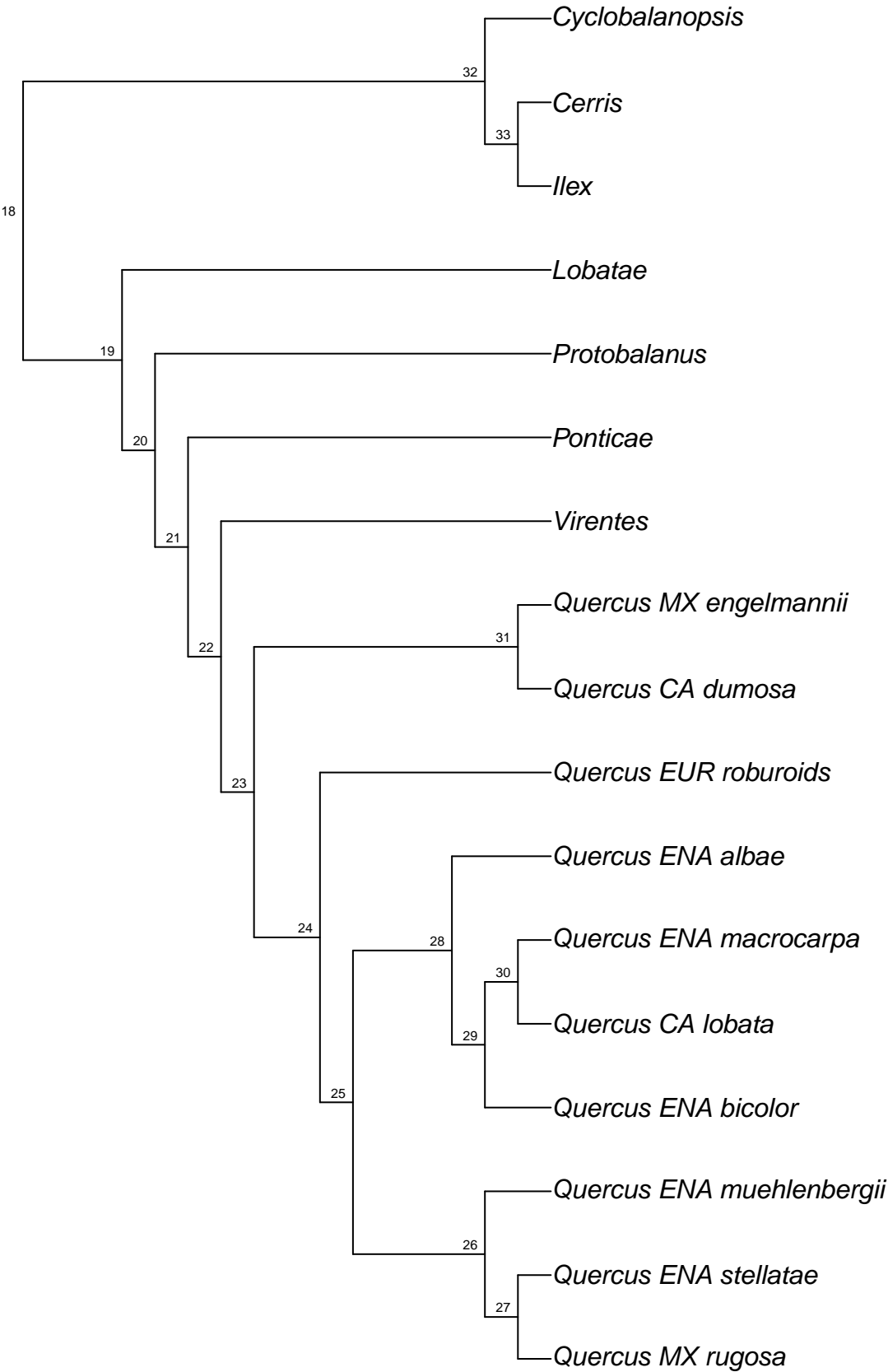
refRAD.ref\_longispica\_raxml.bt025



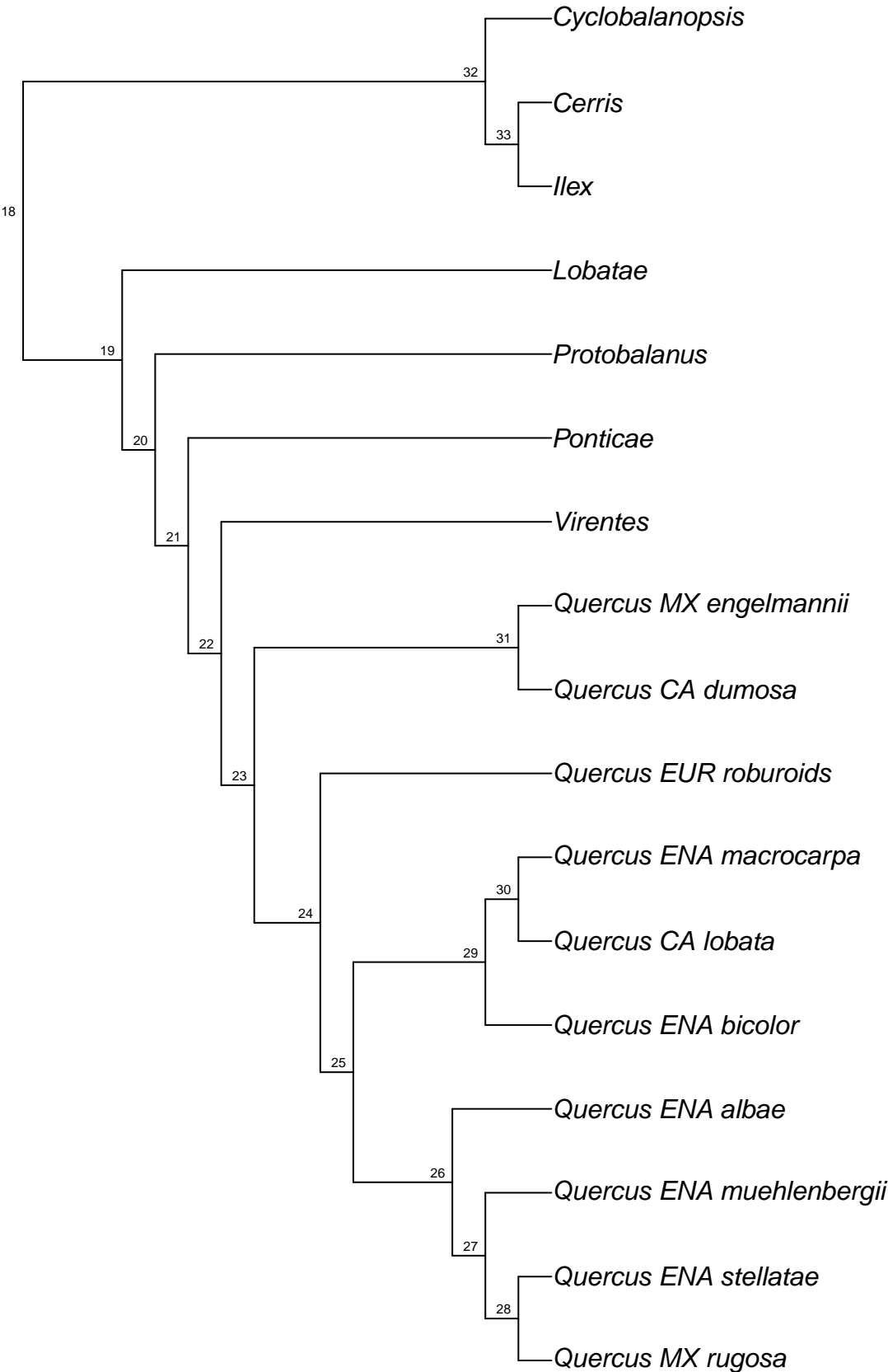
refRAD.ref\_longispica\_raxml.bt026



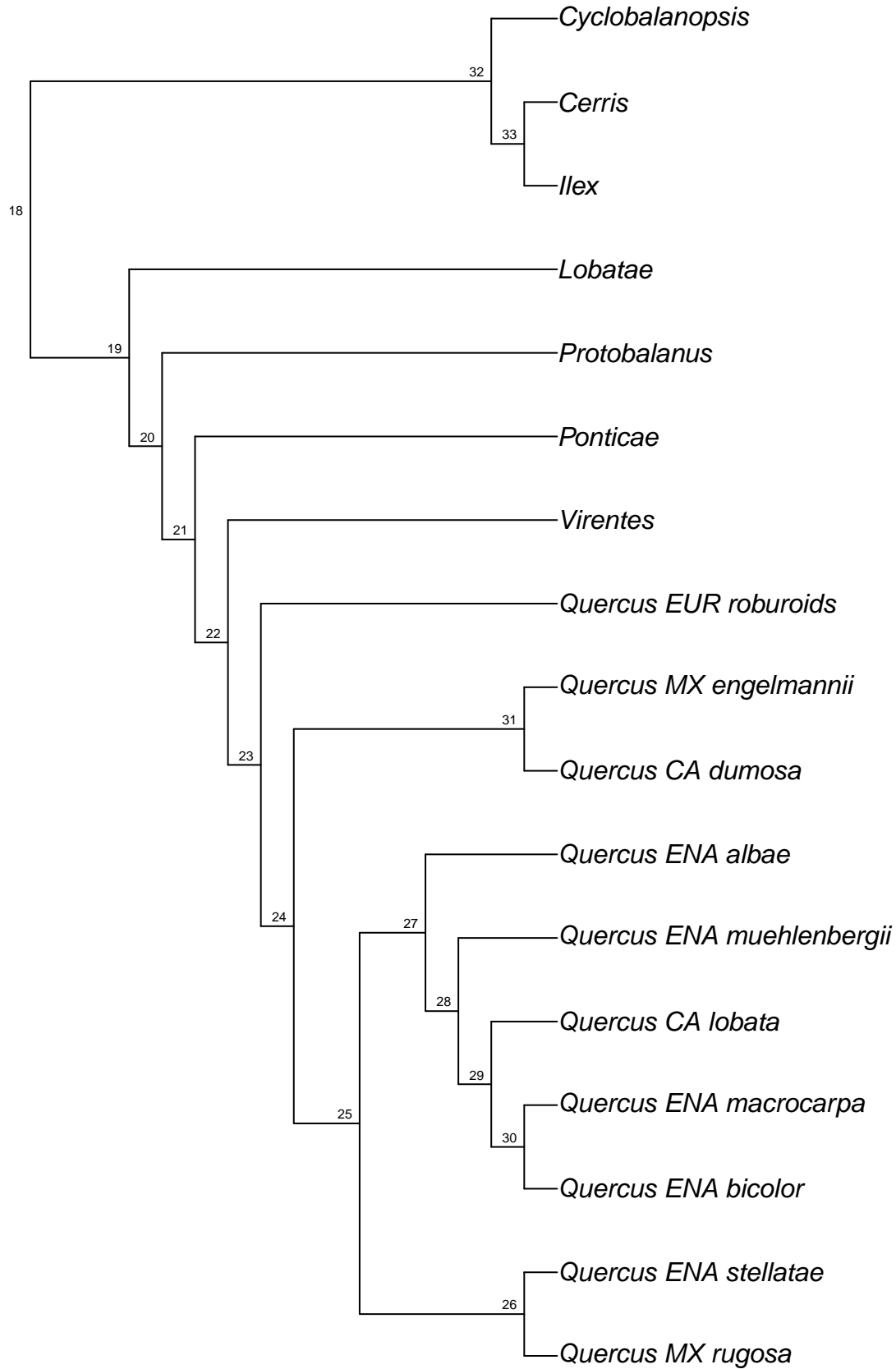
refRAD.ref\_longispica\_raxml.bt027



refRAD.ref\_longispica\_raxml.bt028

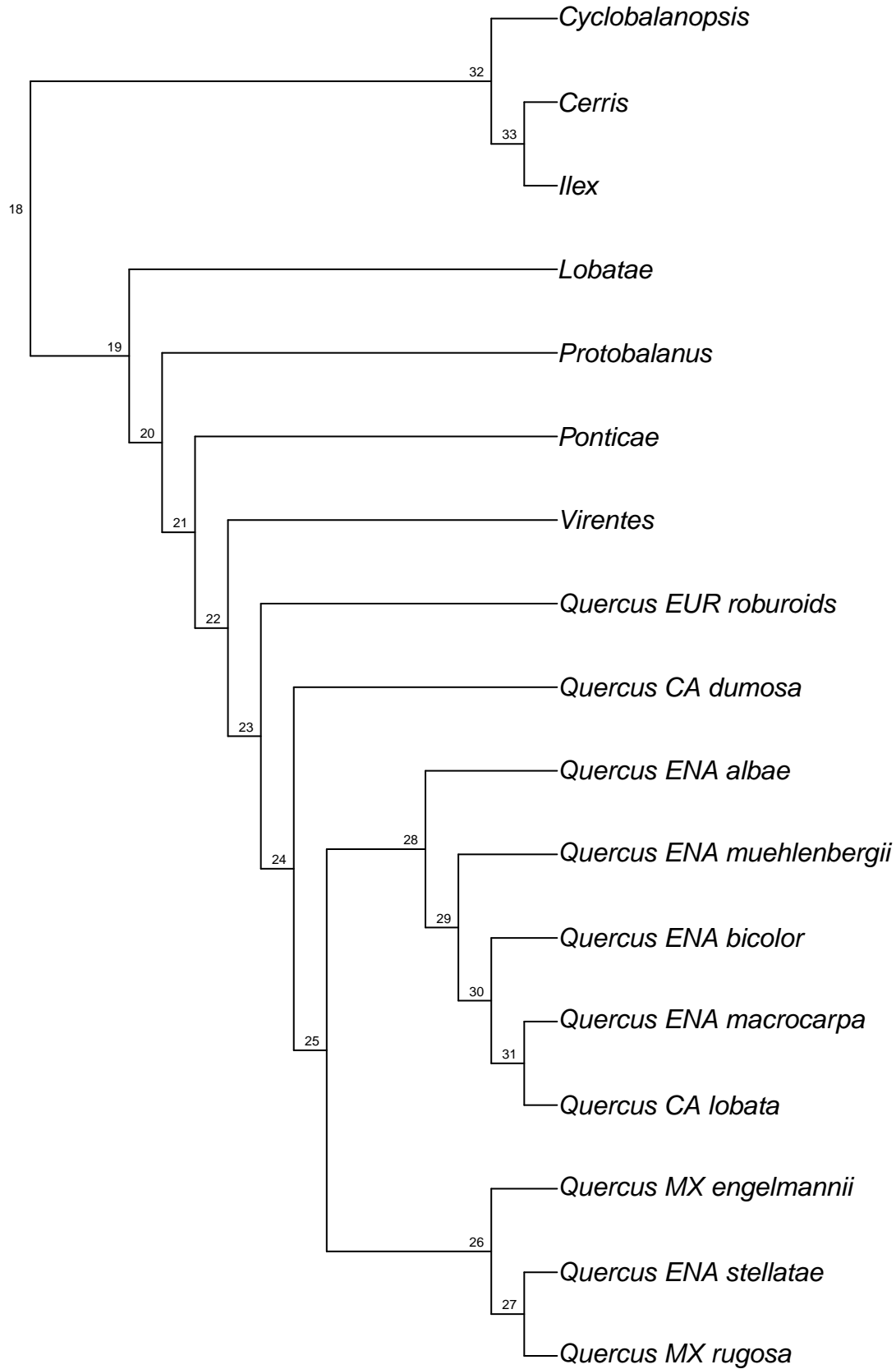


refRAD.ref\_longispica\_raxml.bt029

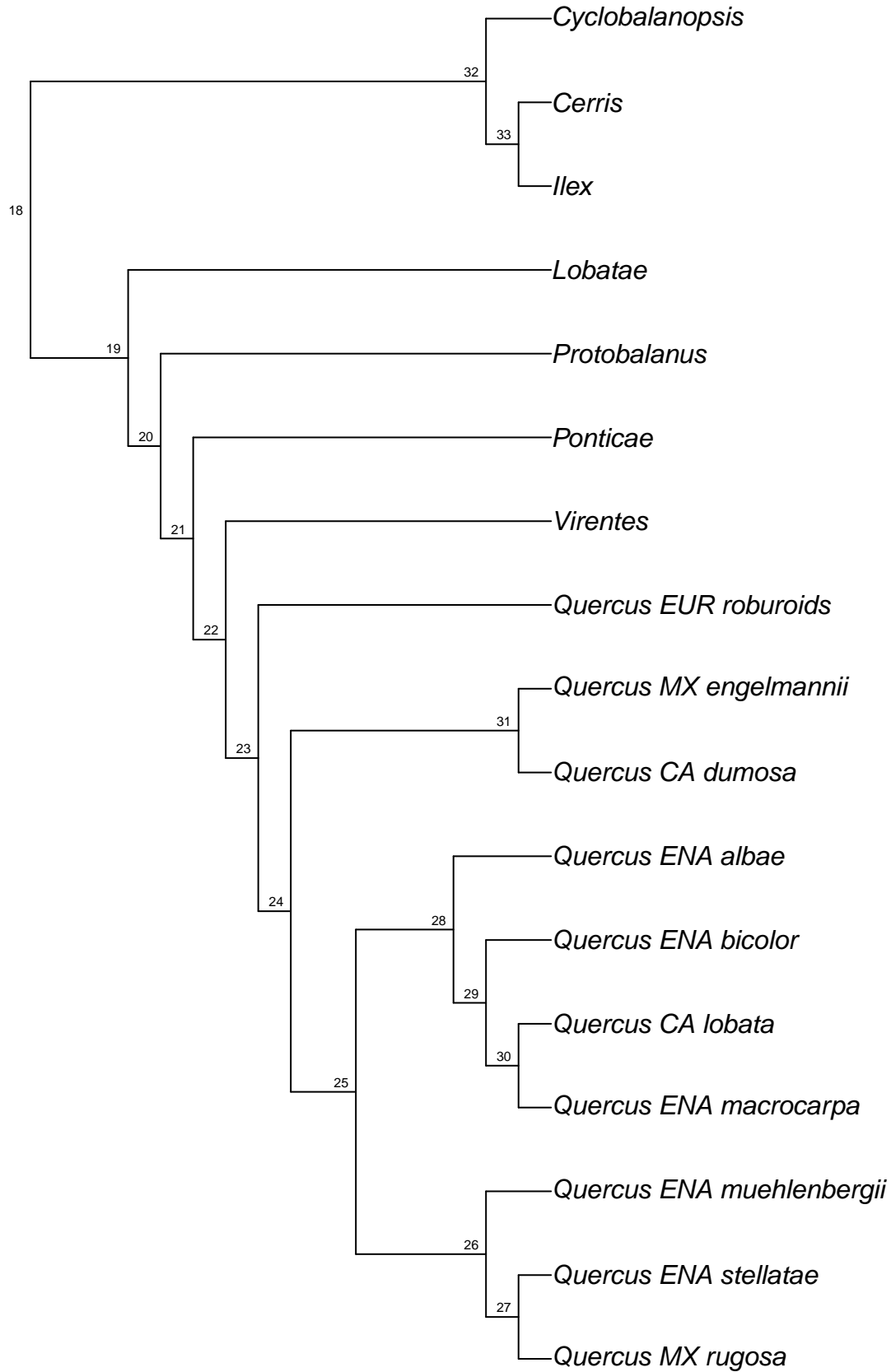




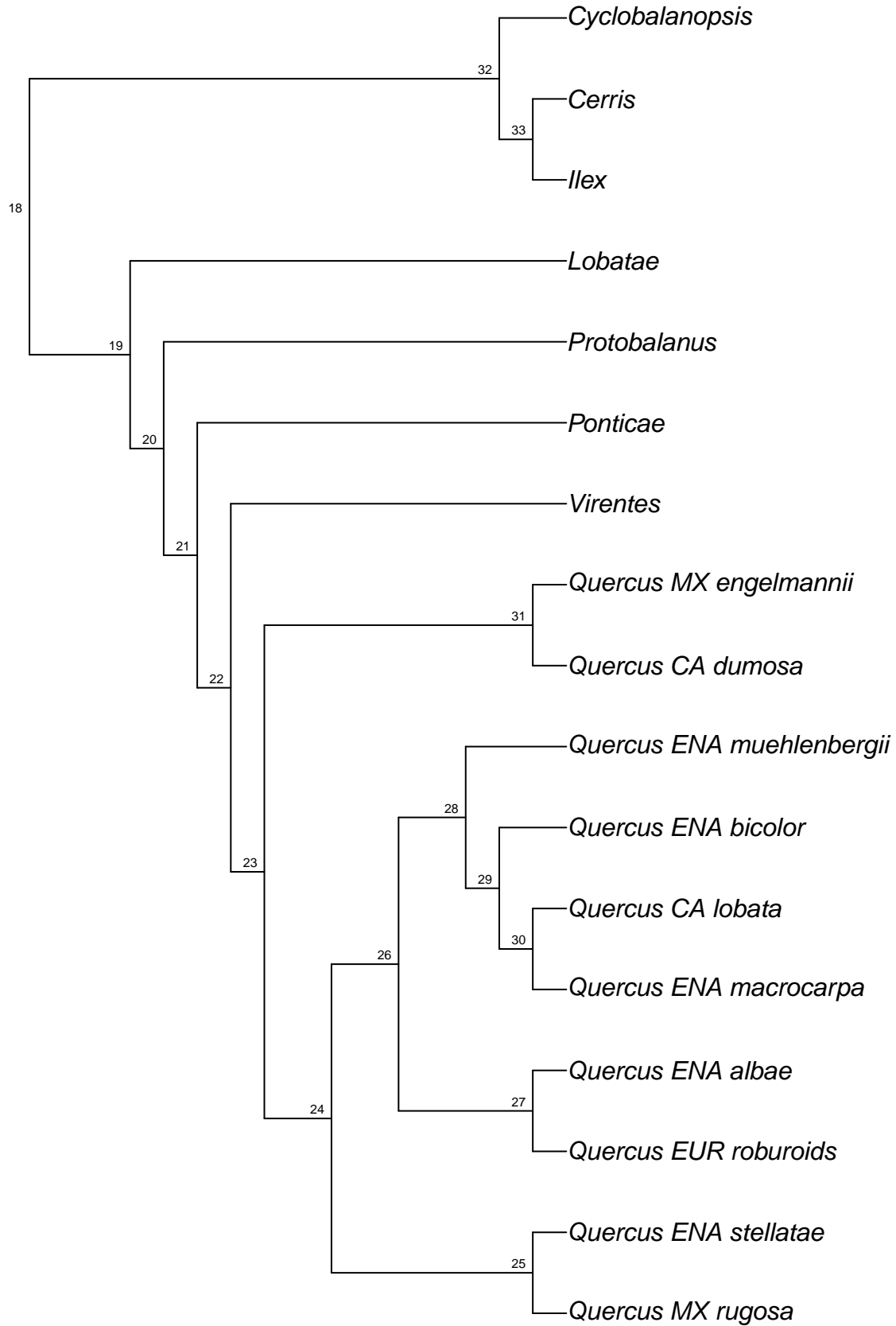
refRAD.ref\_longispica\_raxml.bt030



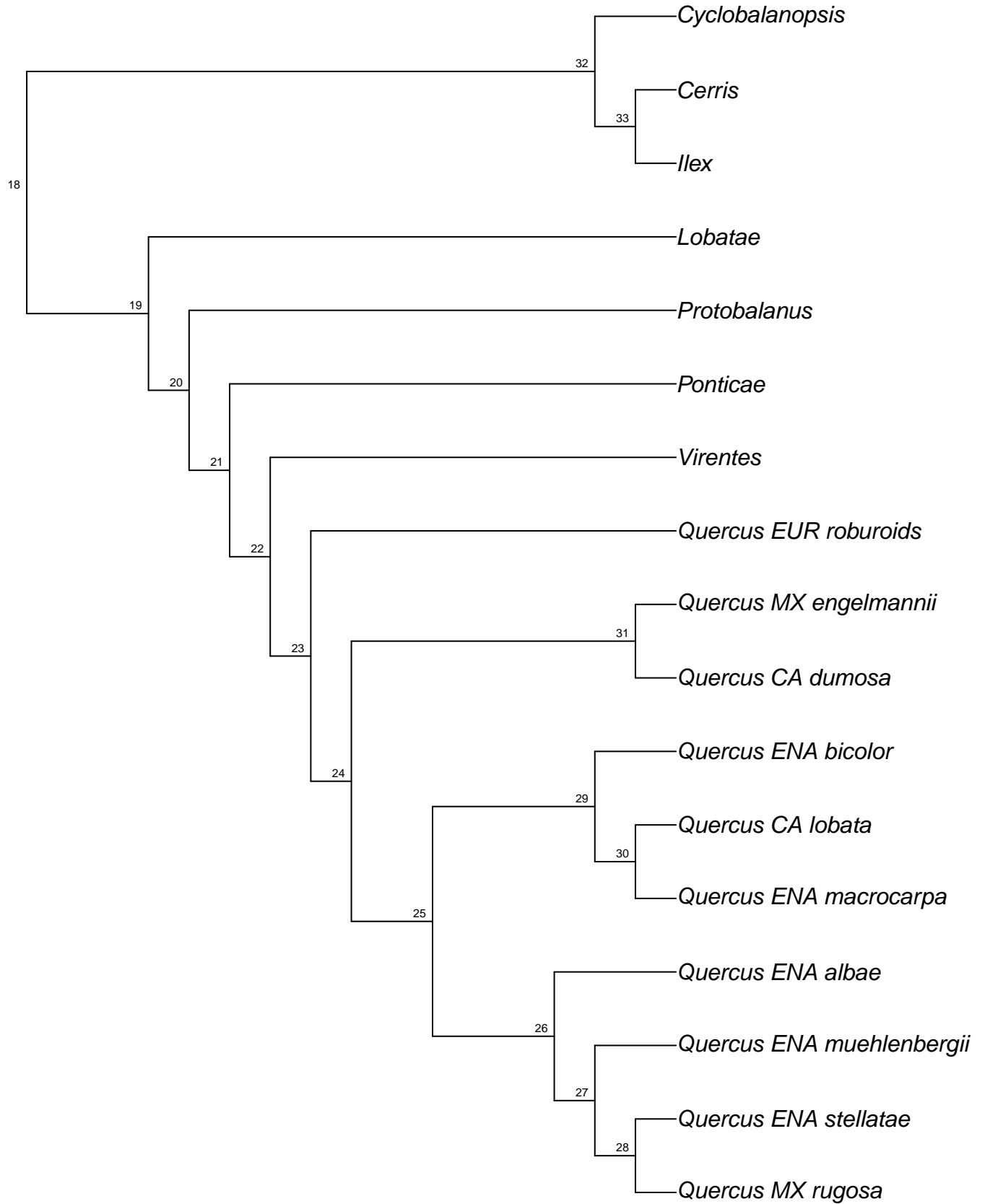
refRAD.ref\_longispica\_raxml.bt031



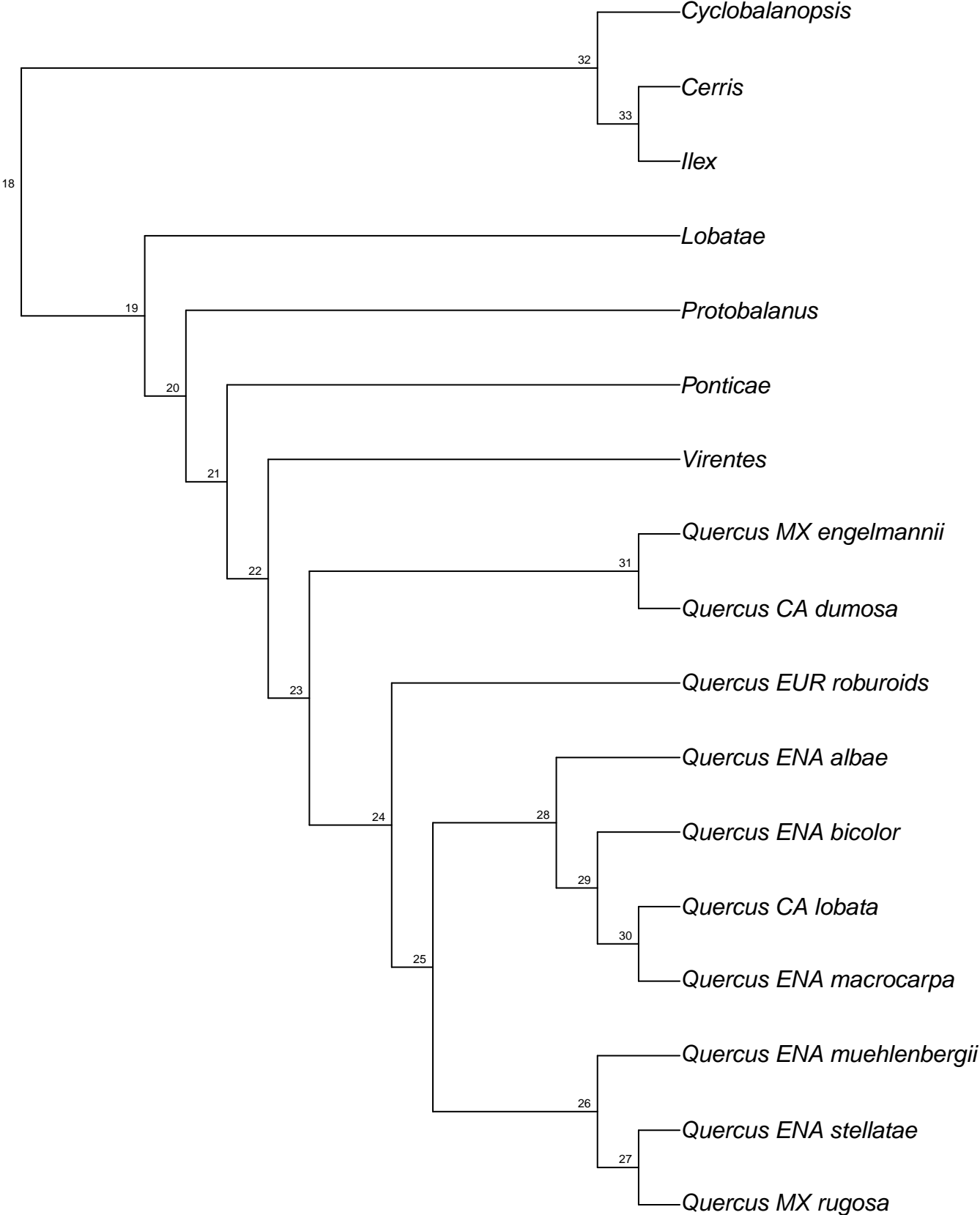
refRAD.ref\_longispica\_raxml.bt032



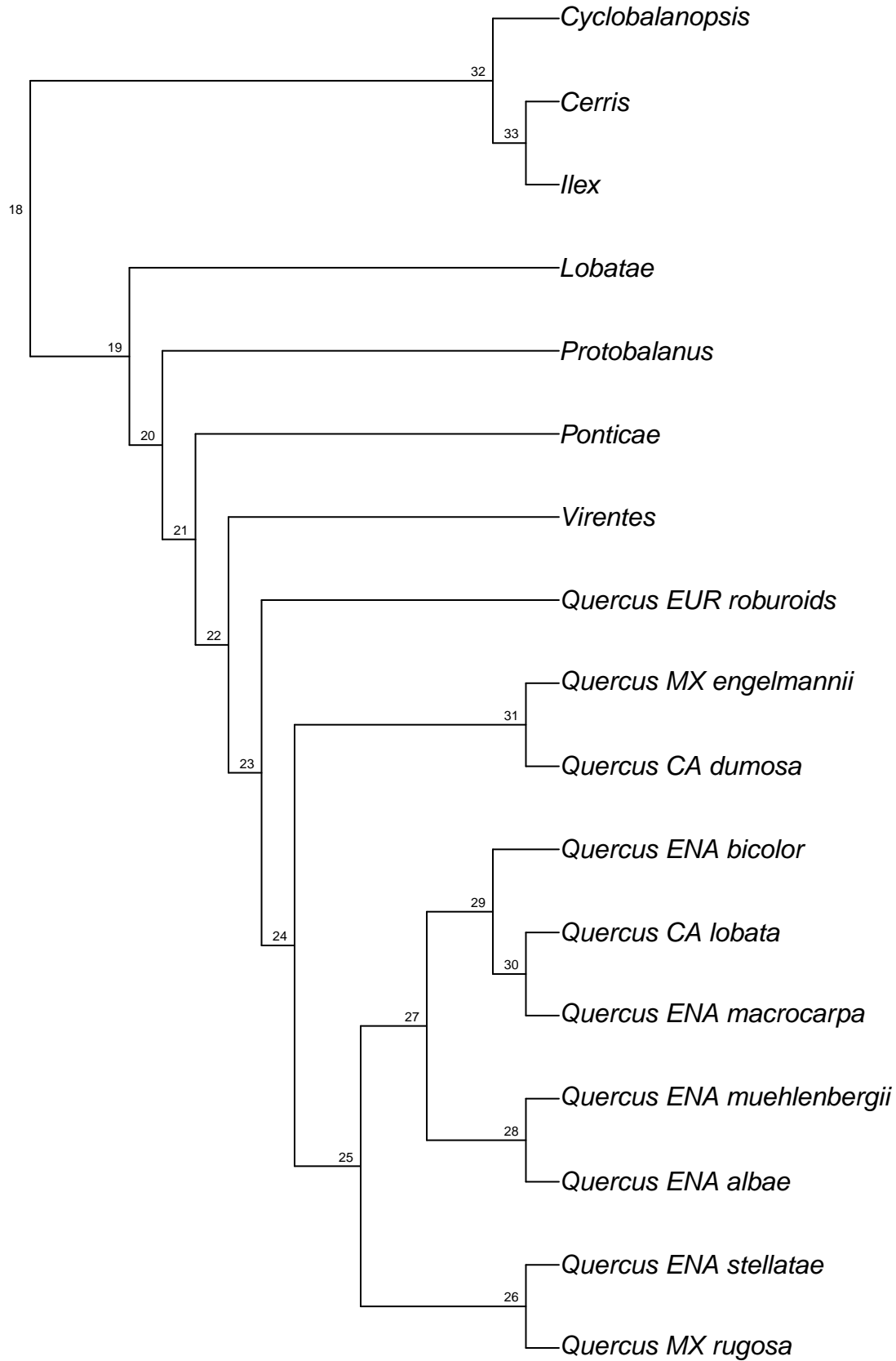
refRAD.ref\_longispica\_raxml.bt033



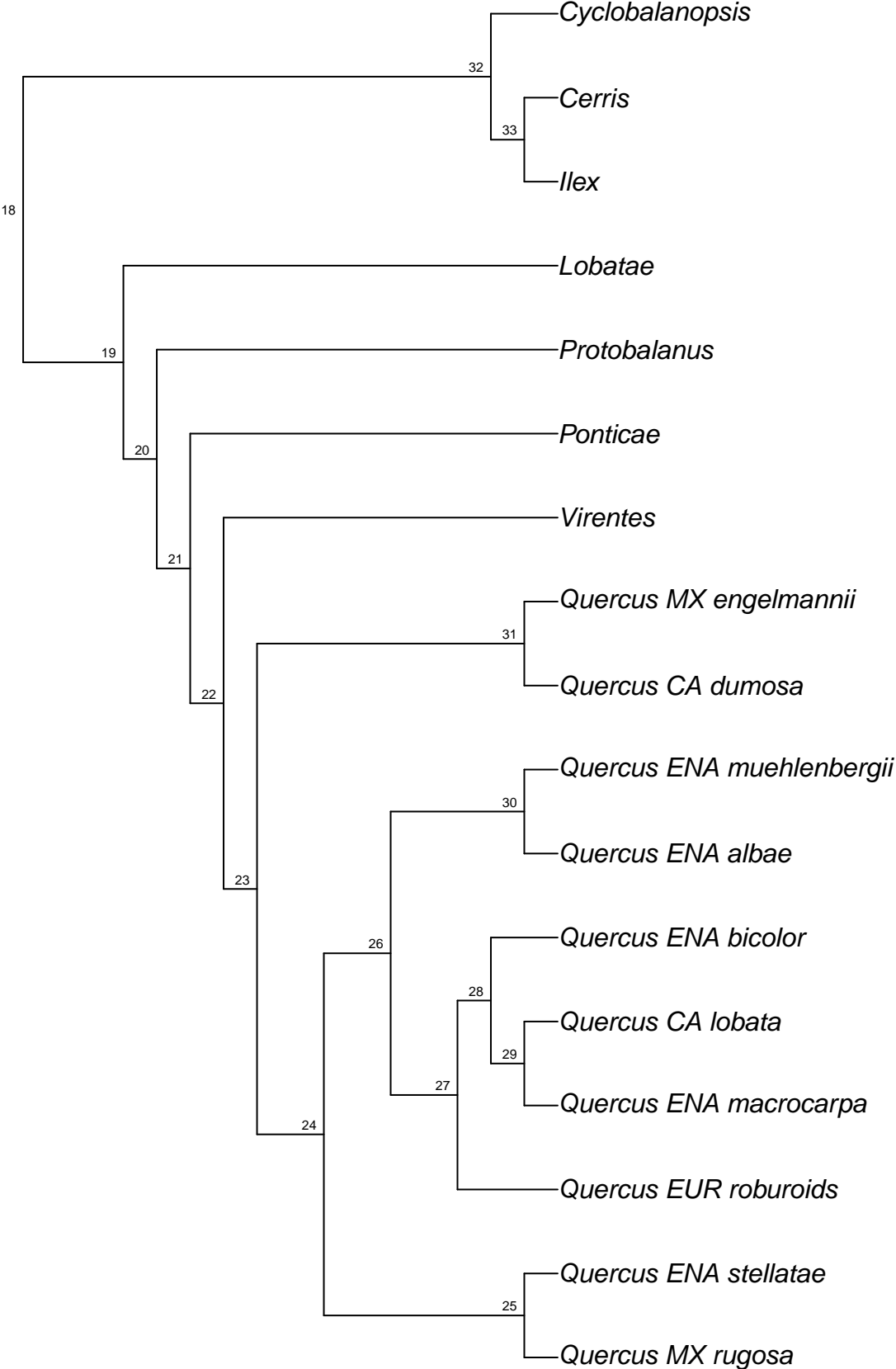
refRAD.ref\_longispica\_raxml.bt034



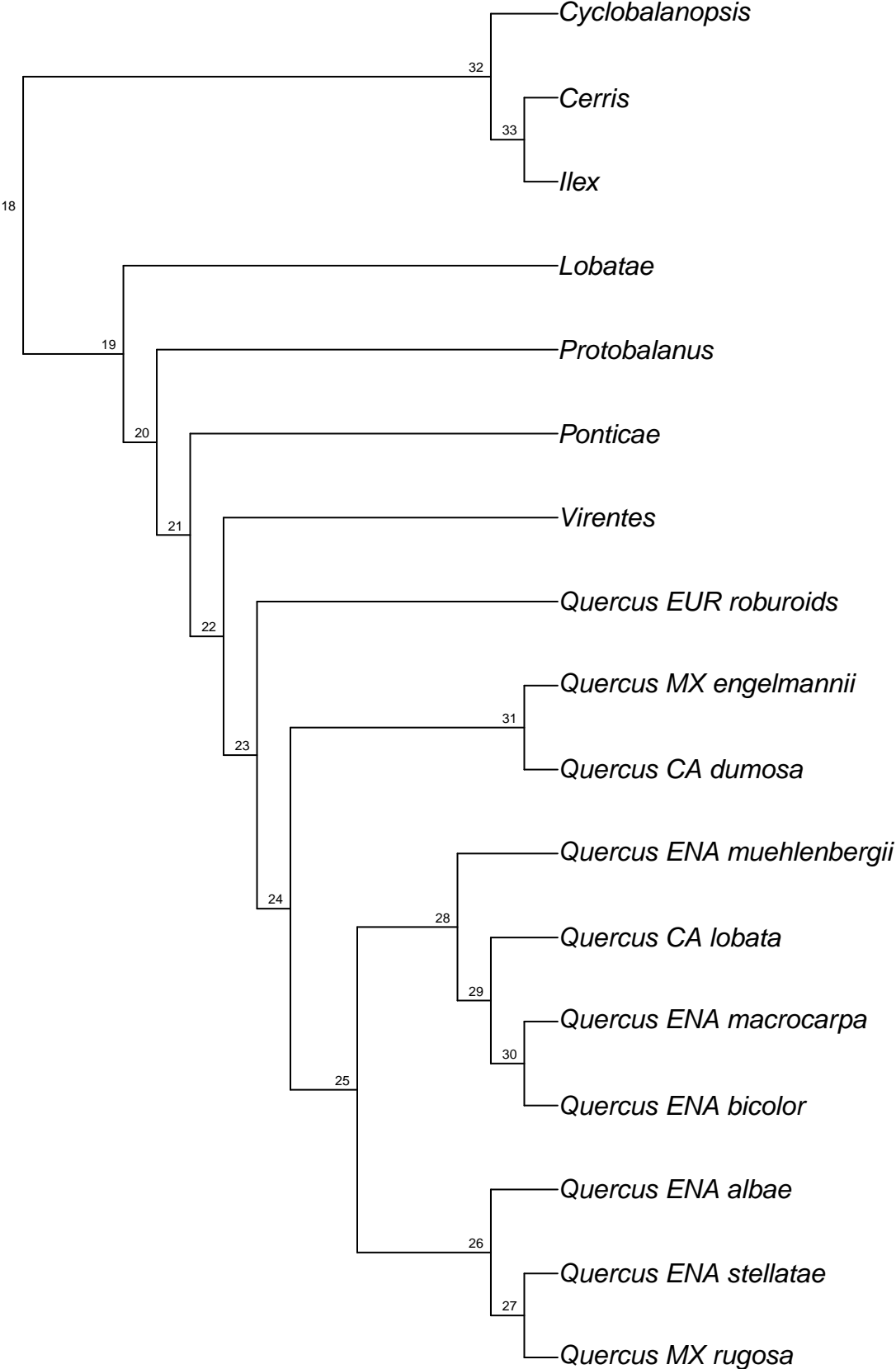
refRAD.ref\_longispica\_raxml.bt035



refRAD.ref\_longispica\_raxml.bt036

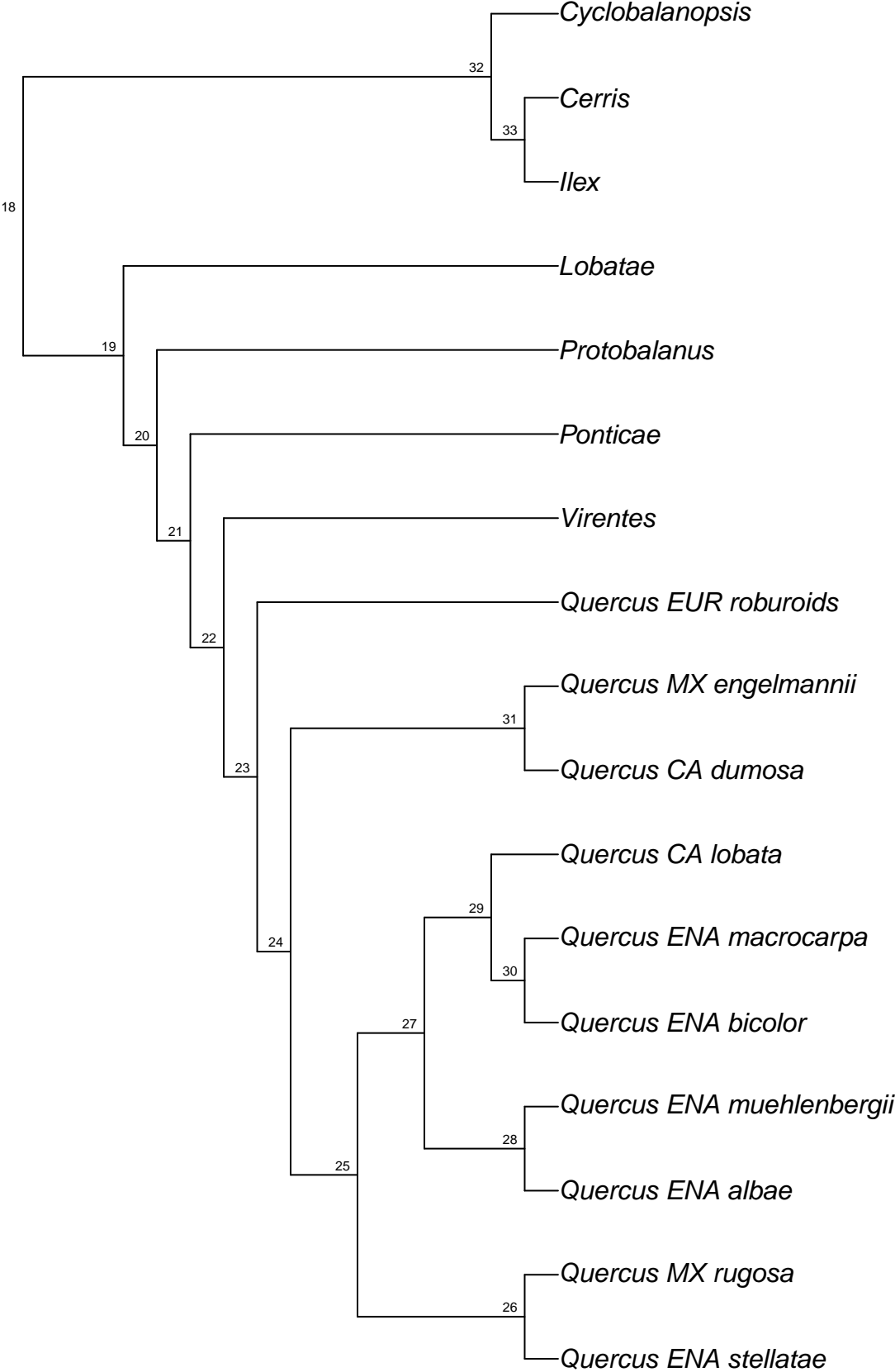


refRAD.ref\_longispica\_raxml.bt037

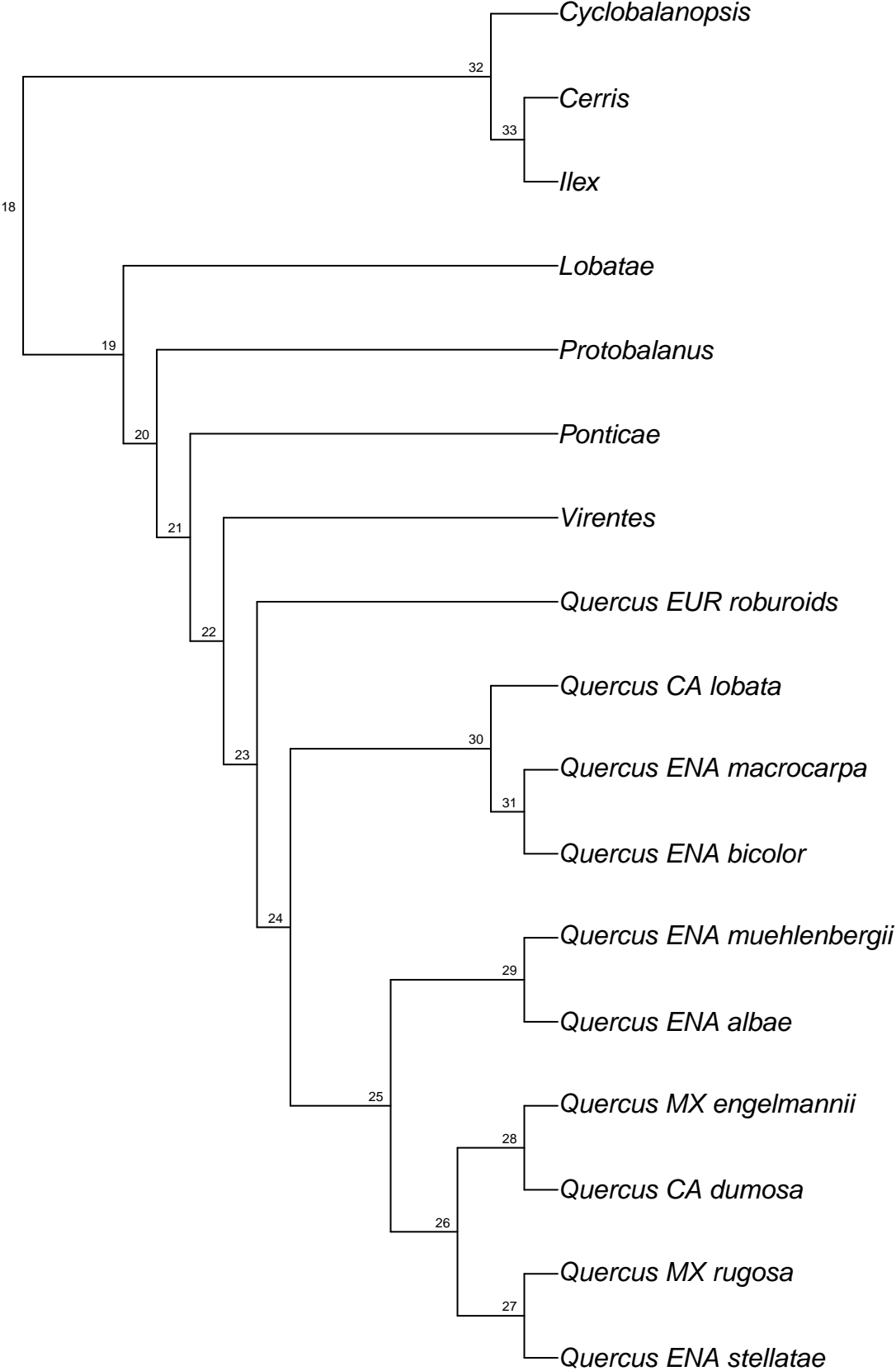




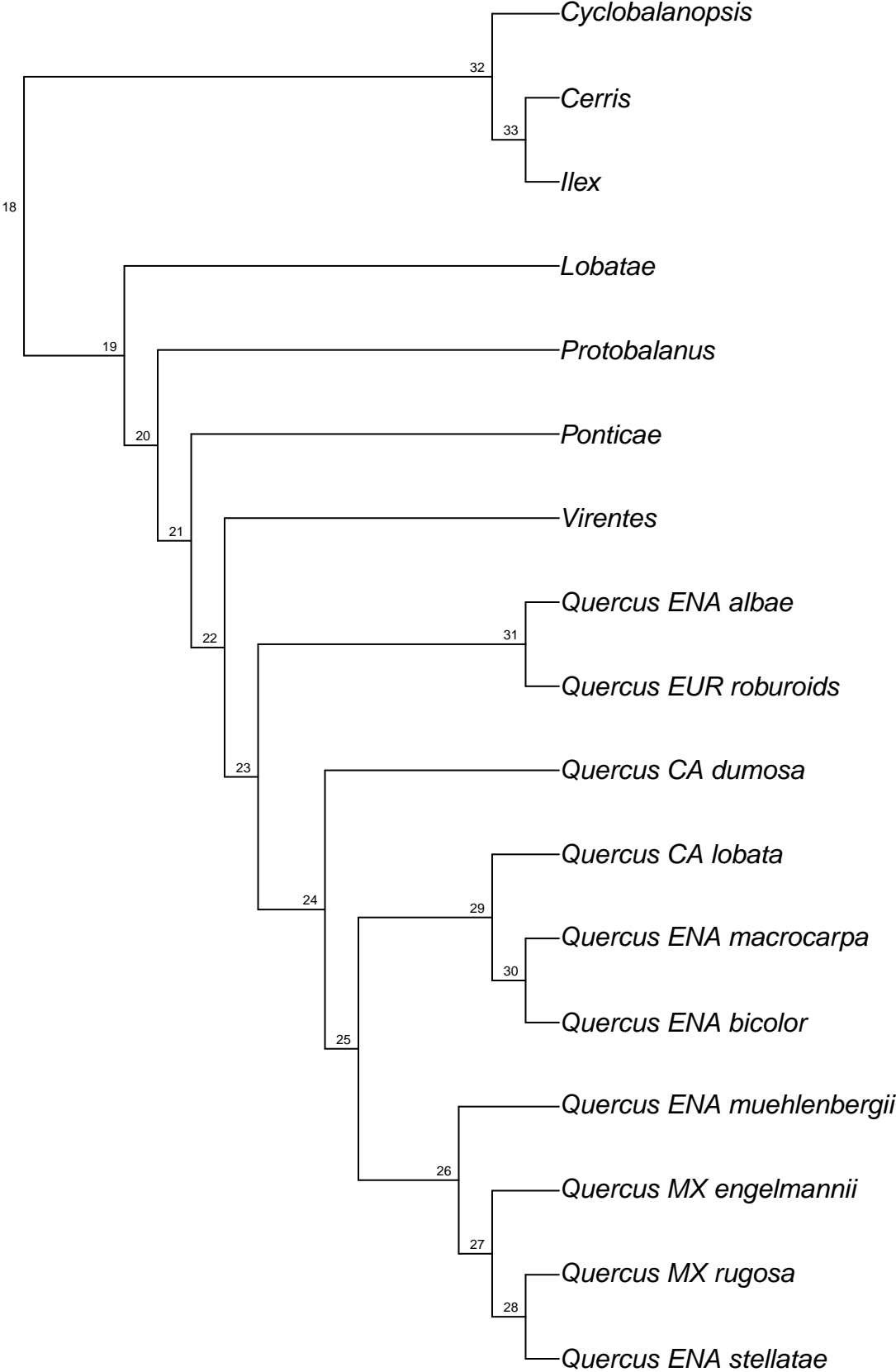
refRAD.ref\_longispica\_raxml.bt038



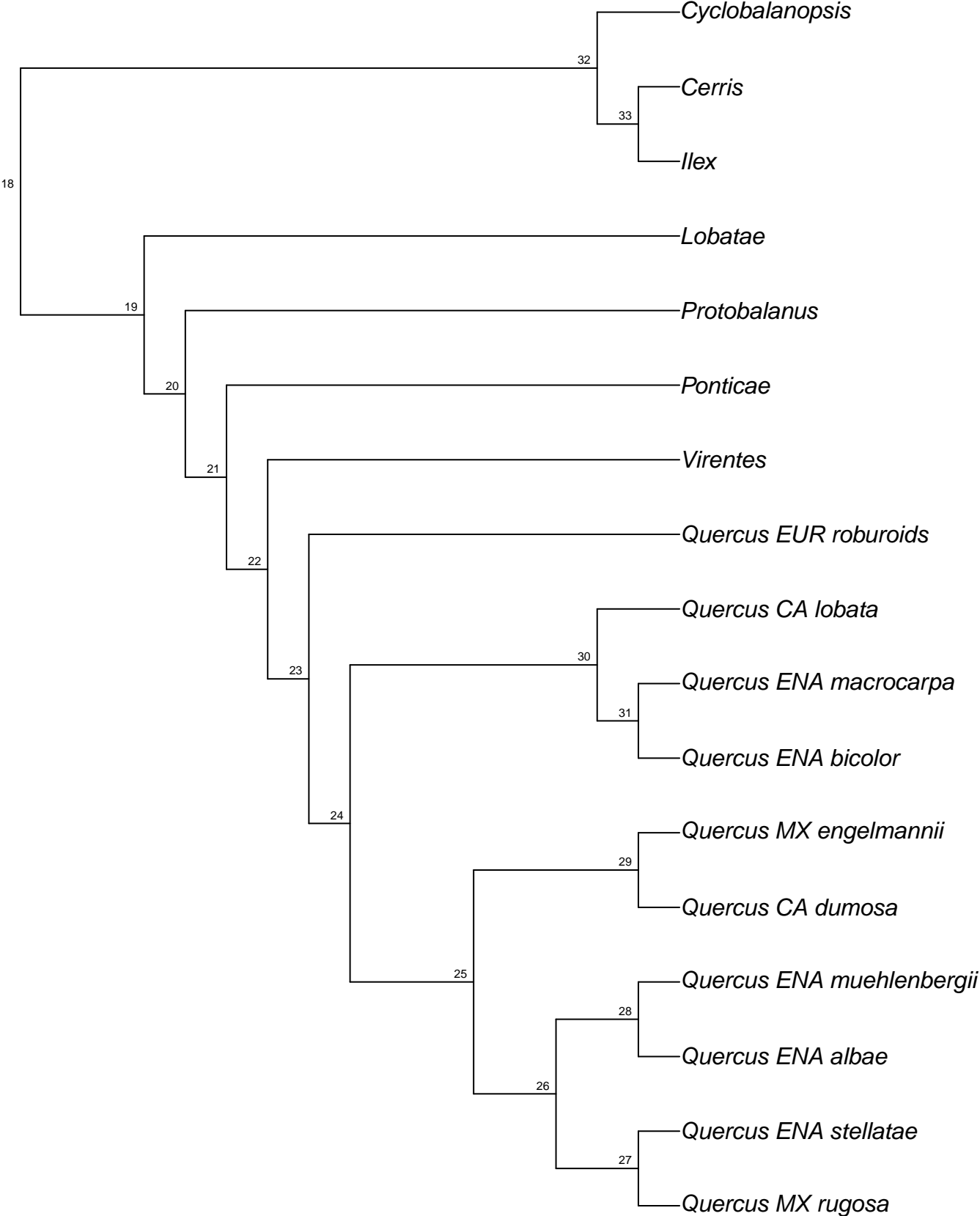
refRAD.ref\_longispica\_raxml.bt039



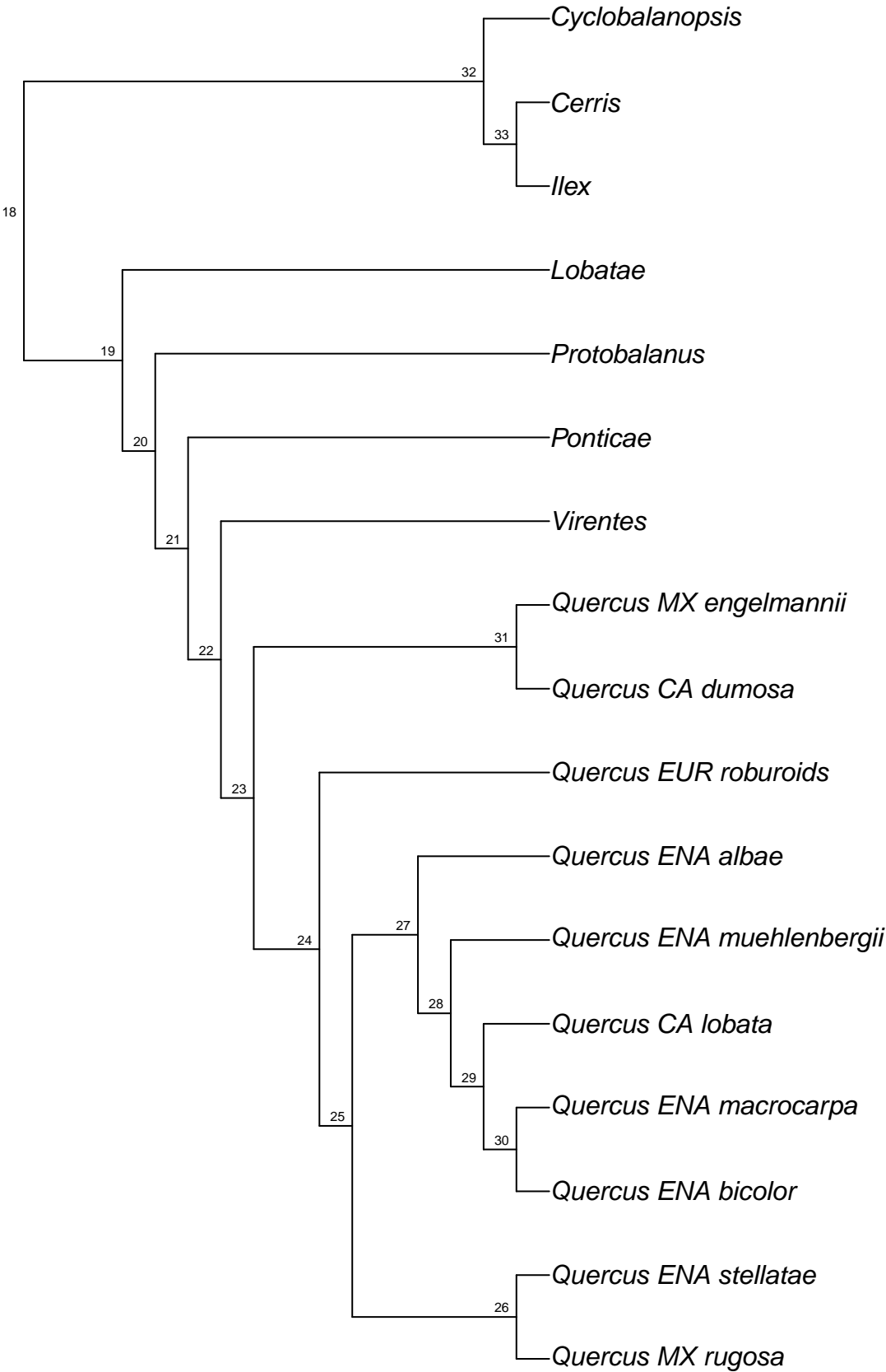
refRAD.ref\_longispica\_raxml.bt040



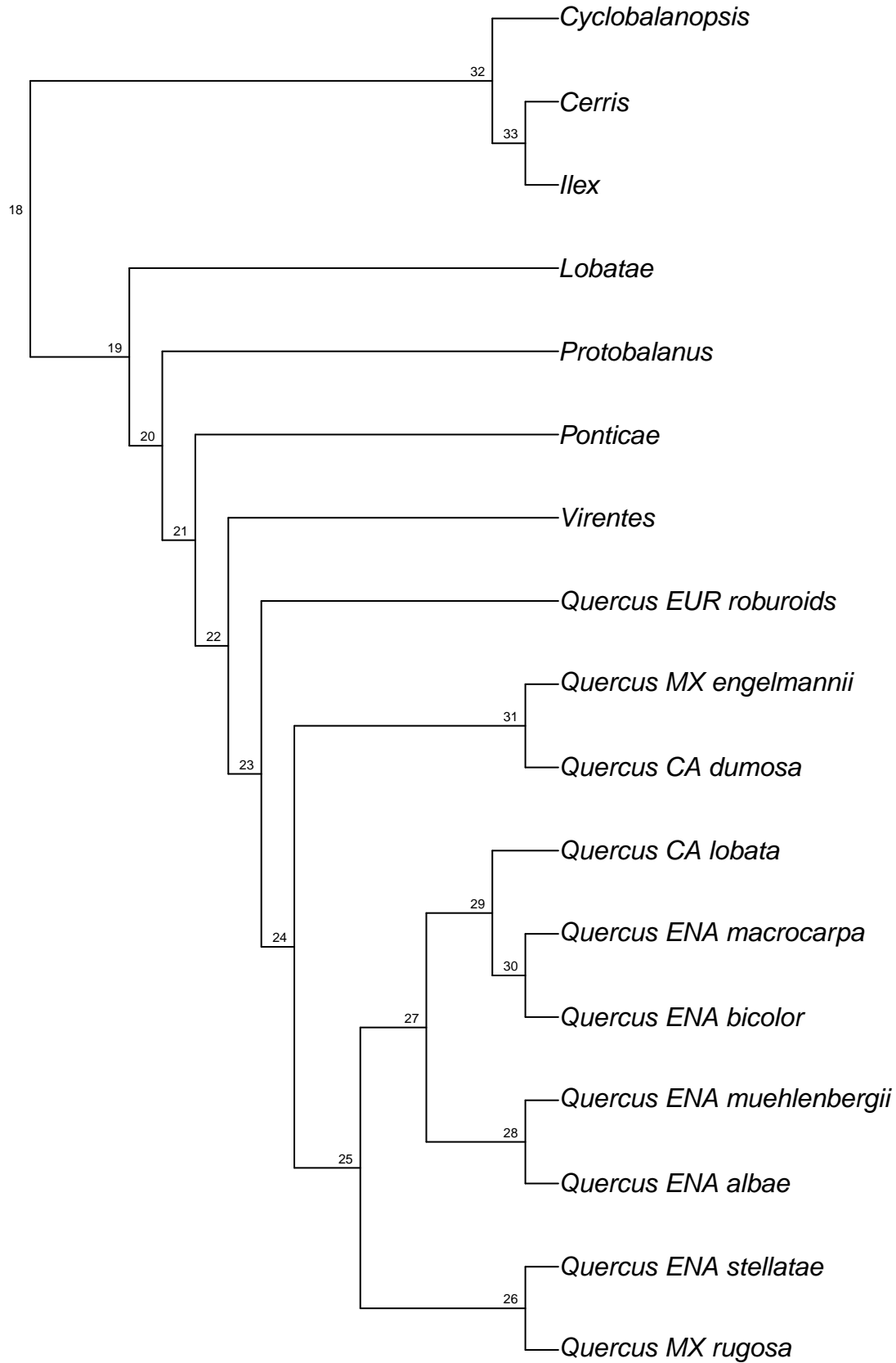
refRAD.ref\_longispica\_raxml.bt041



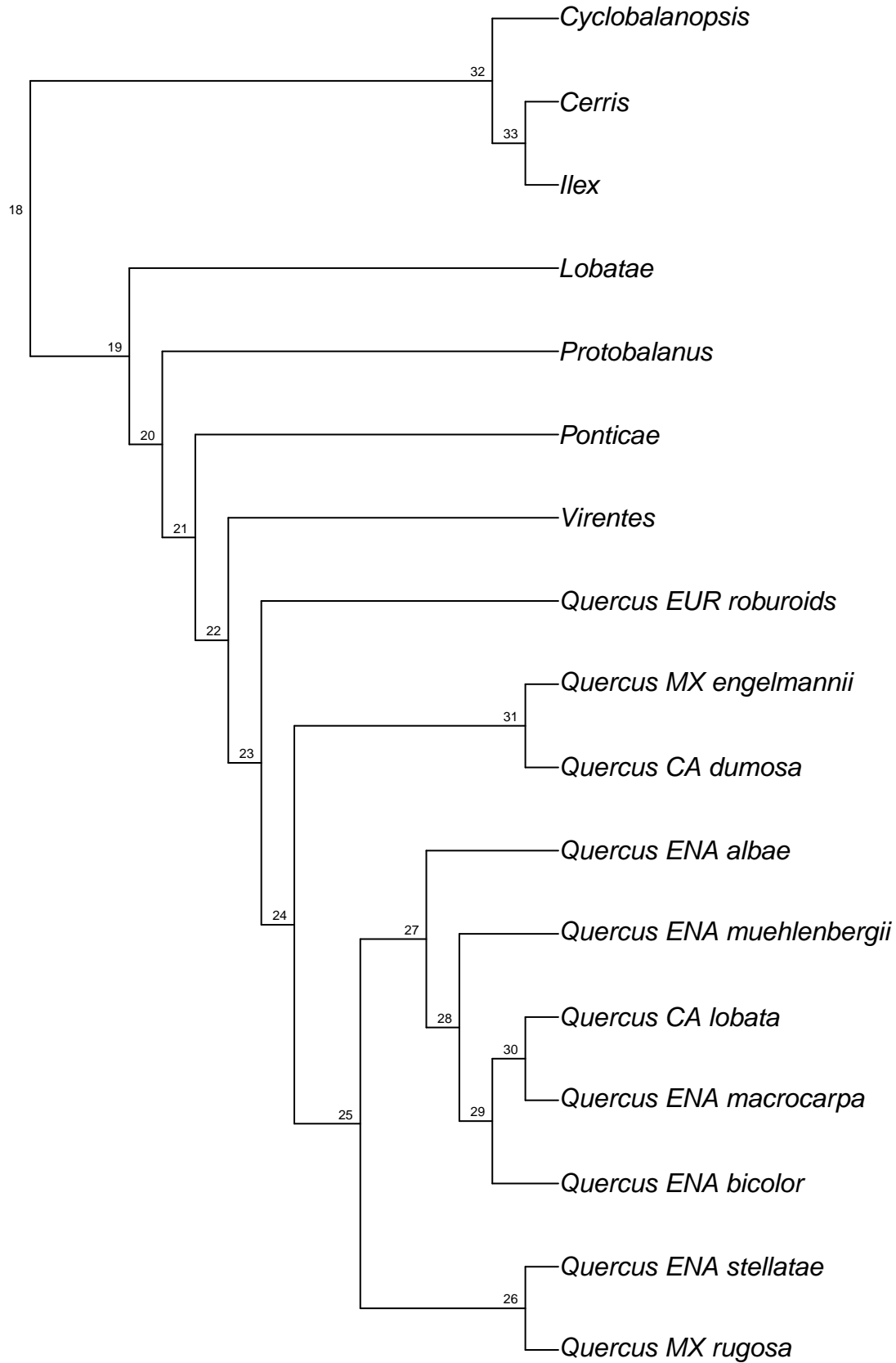
refRAD.ref\_longispica\_raxml.bt042



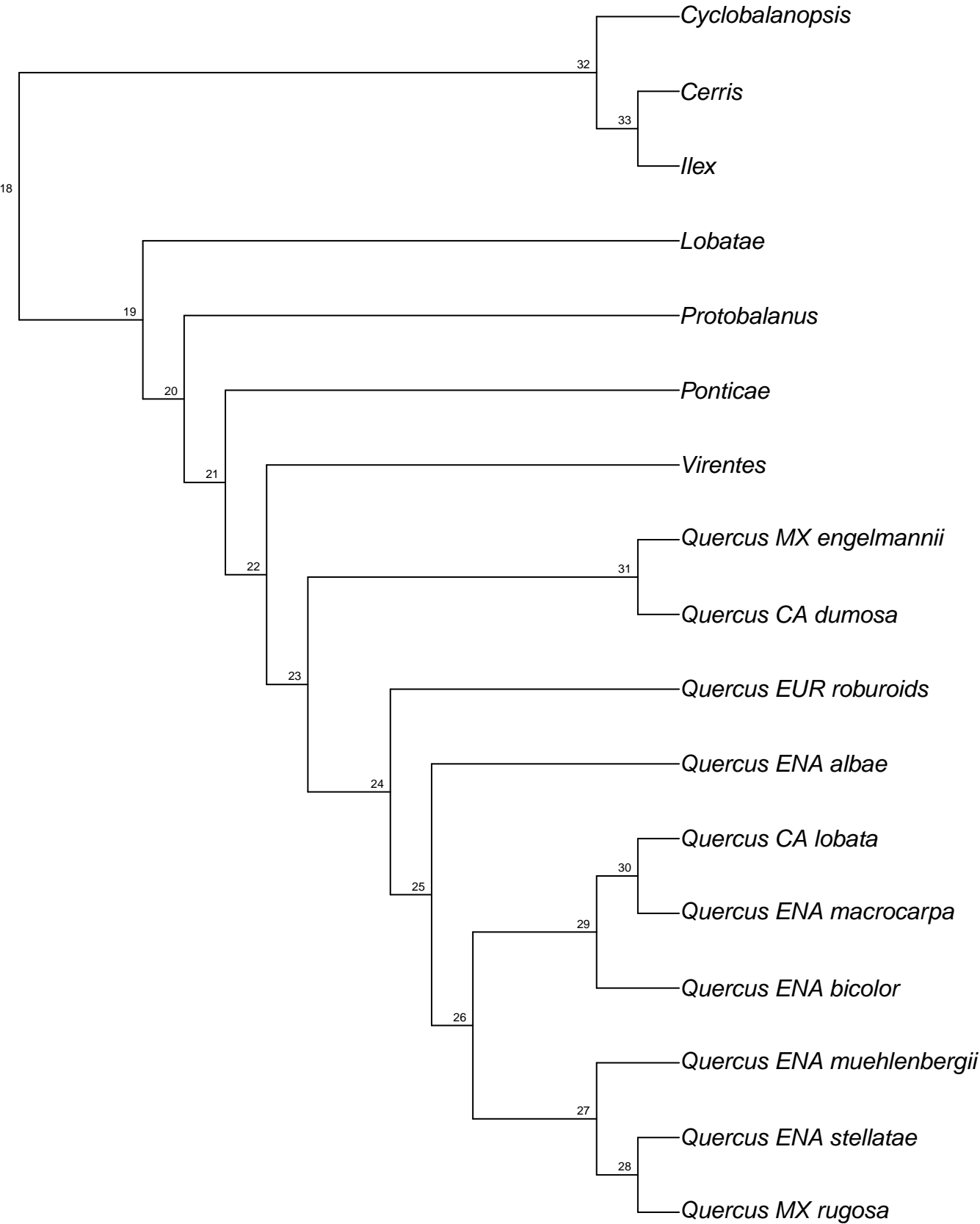
refRAD.ref\_longispica\_raxml.bt043



refRAD.ref\_longispica\_raxml.bt044



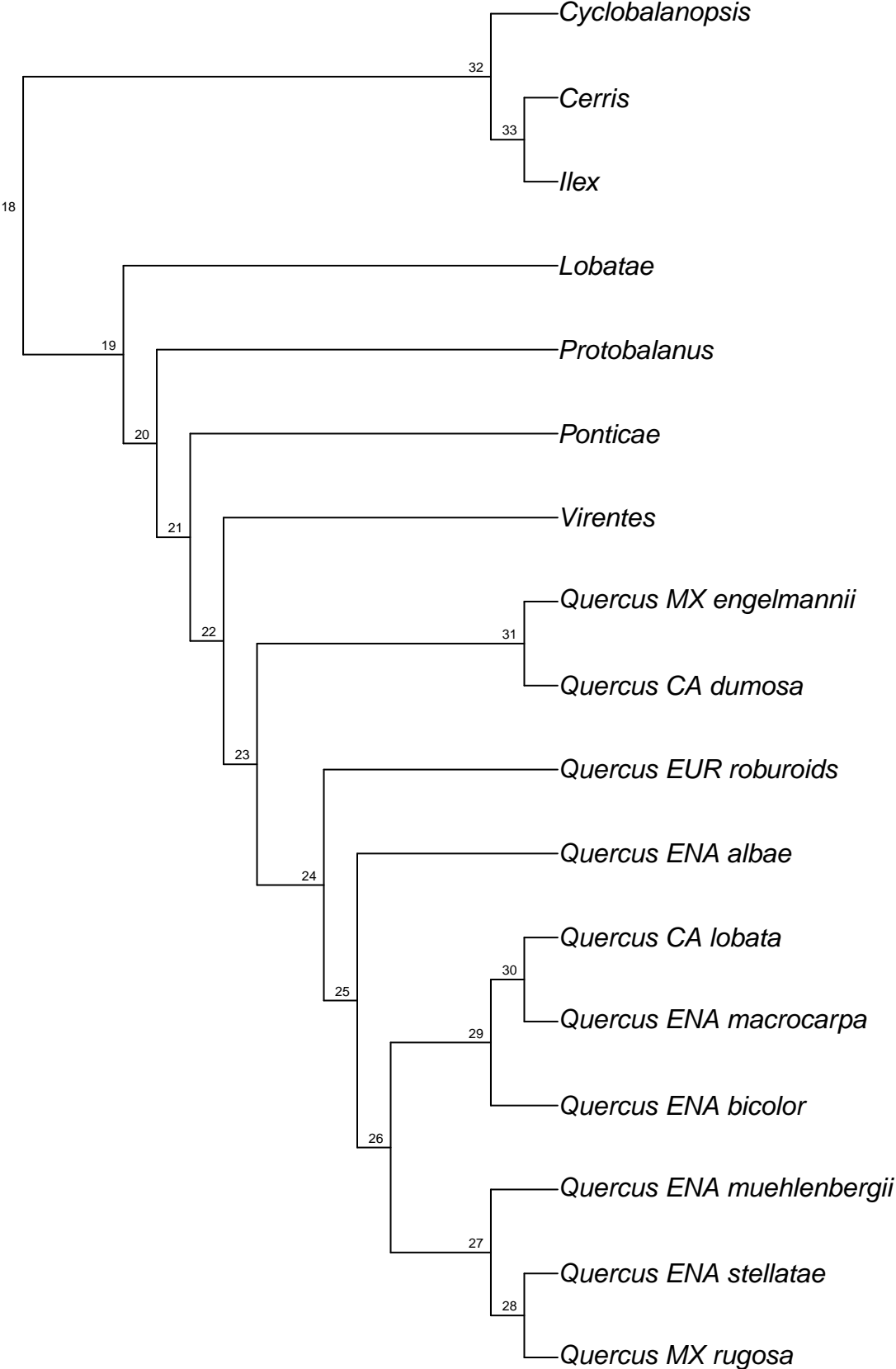
refRAD.ref\_longispica\_raxml.bt045



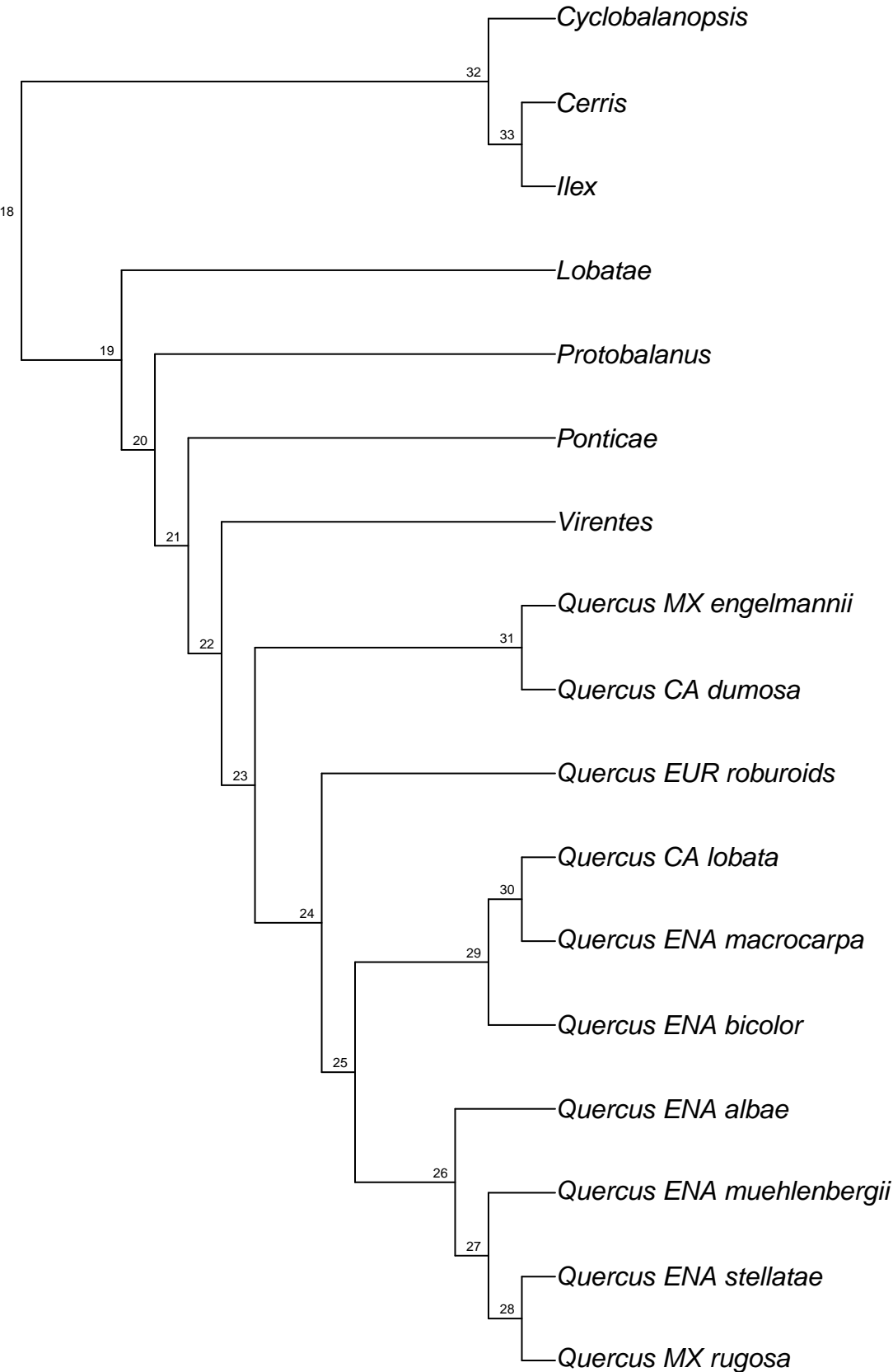


Phylogenetic tree showing relationships between various species, rooted at node 18. The tree is a cladogram with nodes numbered 18 through 33. The species names are listed on the right side of the tree, and the node numbers are indicated at the branching points.

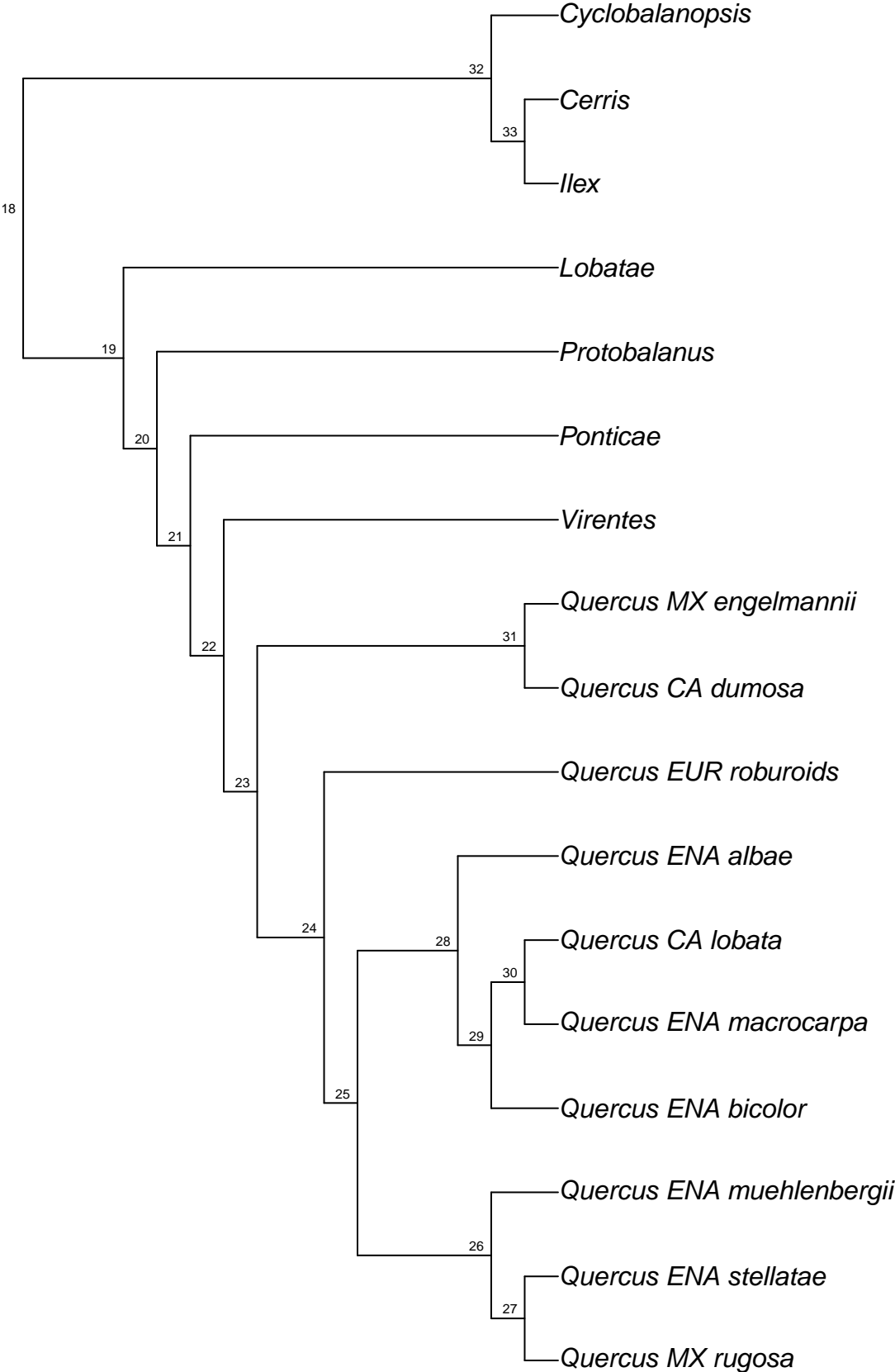
- Node 18: Root of the tree.
- Node 19: Branching point between *Lobatae* and the rest of the tree.
- Node 20: Branching point between *Protobalanus* and the rest of the tree.
- Node 21: Branching point between *Ponticae* and the rest of the tree.
- Node 22: Branching point between *Virentes* and the rest of the tree.
- Node 23: Branching point between *Quercus MX engelmannii* and *Quercus CA dumosa*.
- Node 24: Branching point between *Quercus EUR roburoids* and the rest of the tree.
- Node 25: Branching point between *Quercus ENA albae* and the rest of the tree.
- Node 26: Branching point between *Quercus CA lobata* and *Quercus ENA macrocarpa*.
- Node 27: Branching point between *Quercus ENA bicolor* and the rest of the tree.
- Node 28: Branching point between *Quercus ENA muehlenbergii* and *Quercus ENA stellatae*.
- Node 29: Branching point between *Quercus ENA stellatae* and *Quercus MX rugosa*.
- Node 30: Branching point between *Quercus CA lobata* and *Quercus ENA macrocarpa*.
- Node 31: Branching point between *Quercus MX engelmannii* and *Quercus CA dumosa*.
- Node 32: Branching point between *Cyclobalanopsis* and the rest of the tree.
- Node 33: Branching point between *Cerris* and *Ilex*.



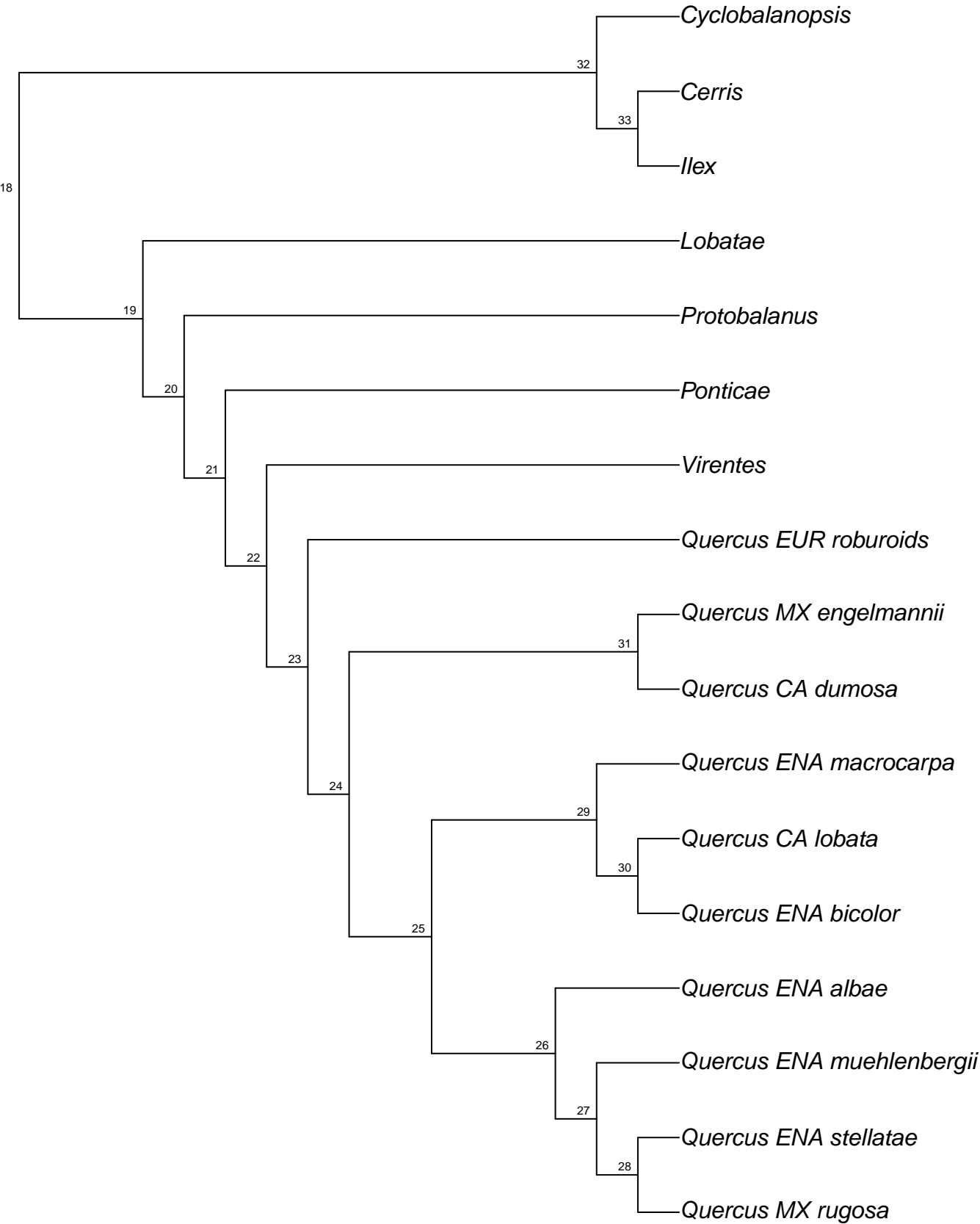
refRAD.ref\_longispica\_raxml.bt048



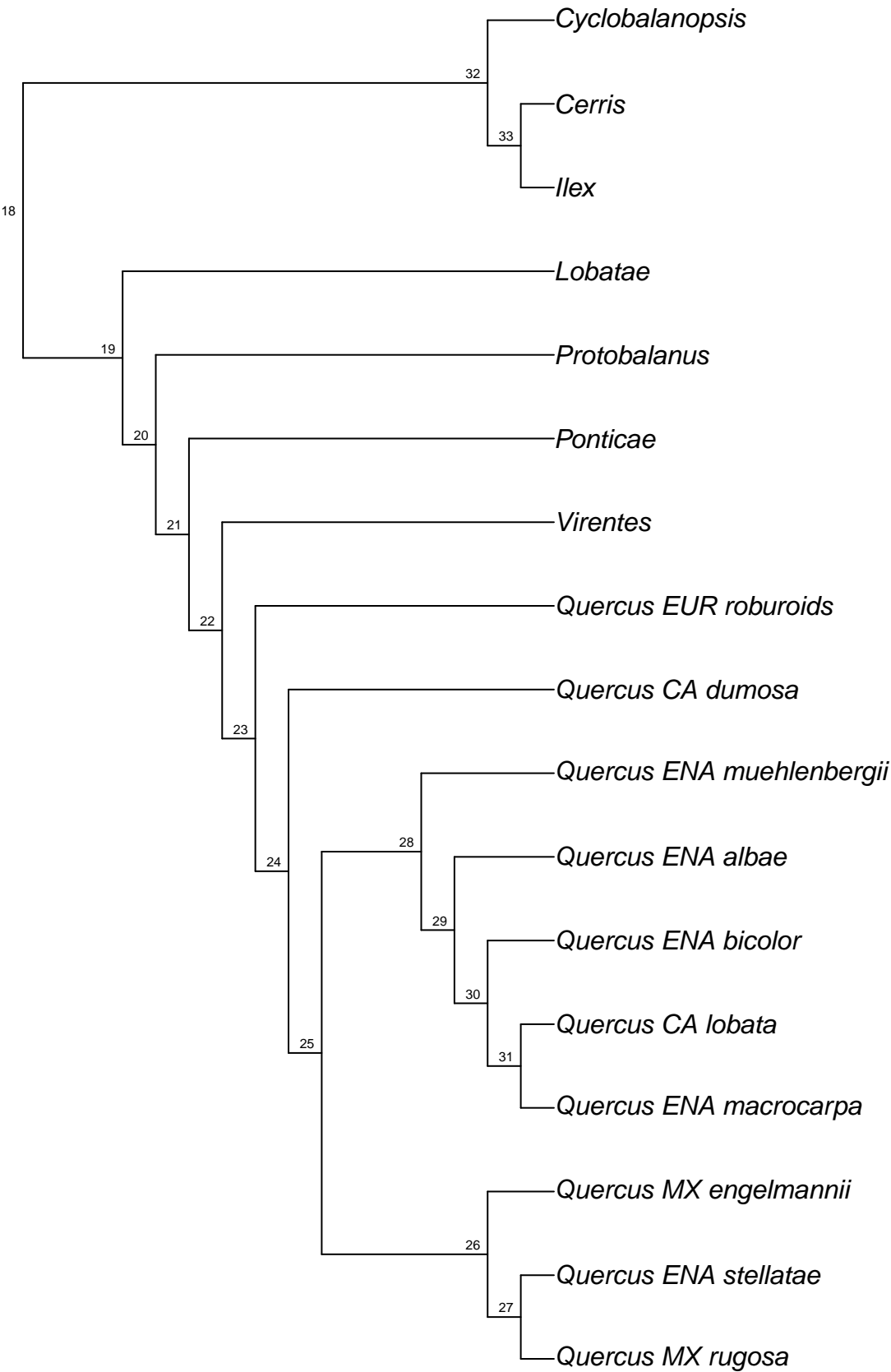
refRAD.ref\_longispica\_raxml.bt049



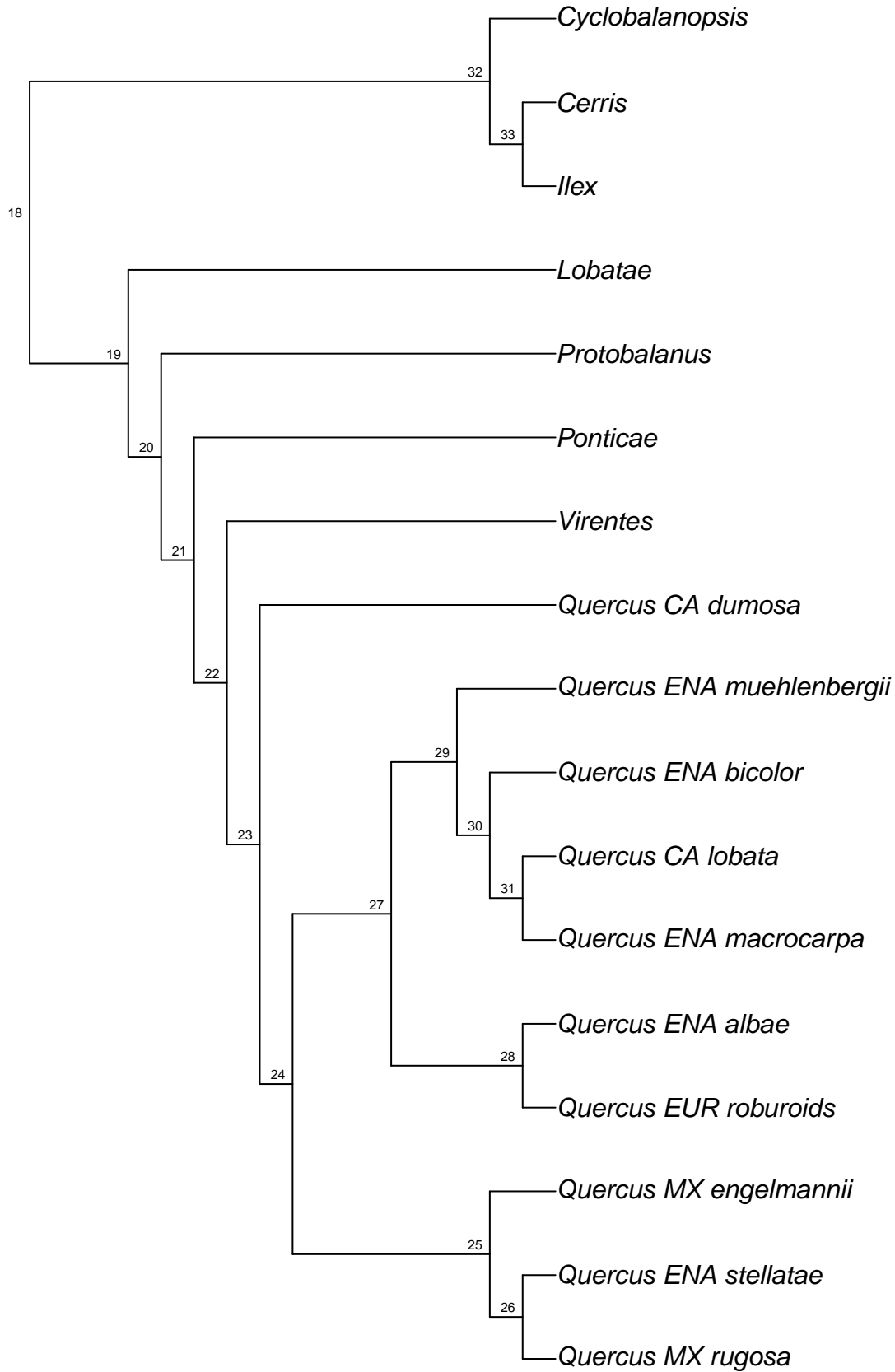
refRAD.ref\_longispica\_raxml.bt050



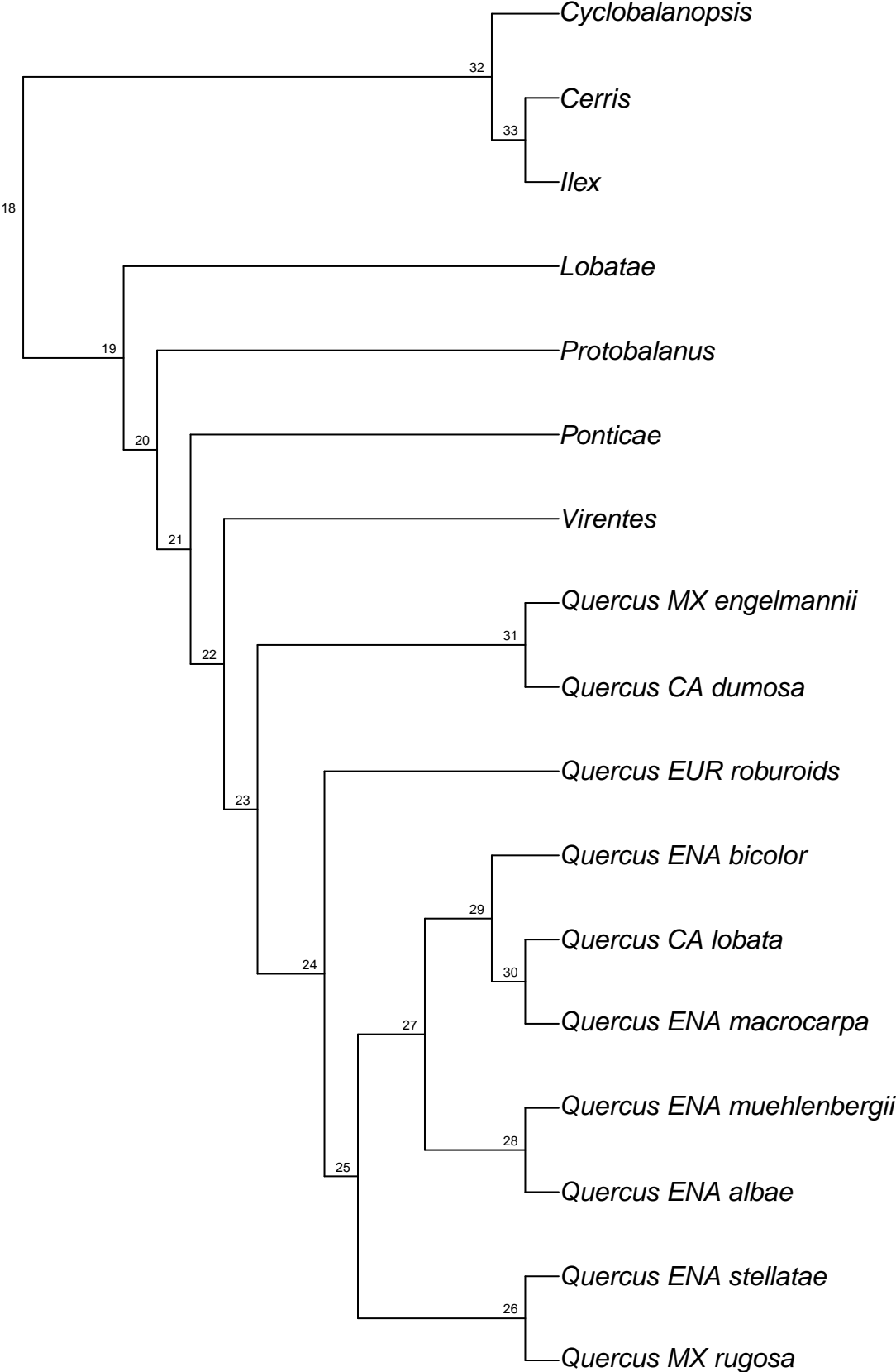
refRAD.ref\_longispica\_raxml.bt051



refRAD.ref\_longispica\_raxml.bt052

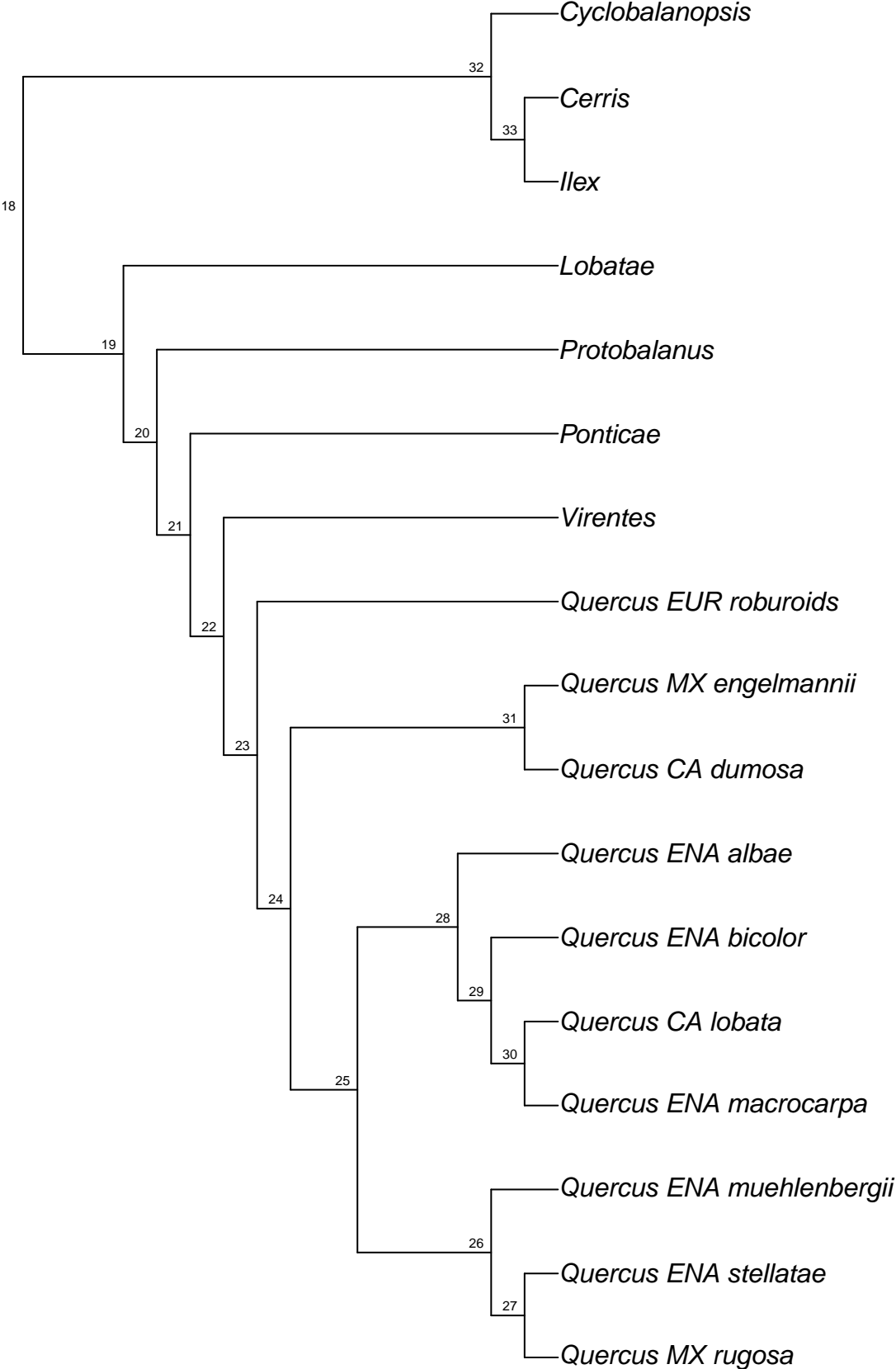


refRAD.ref\_longispica\_raxml.bt053

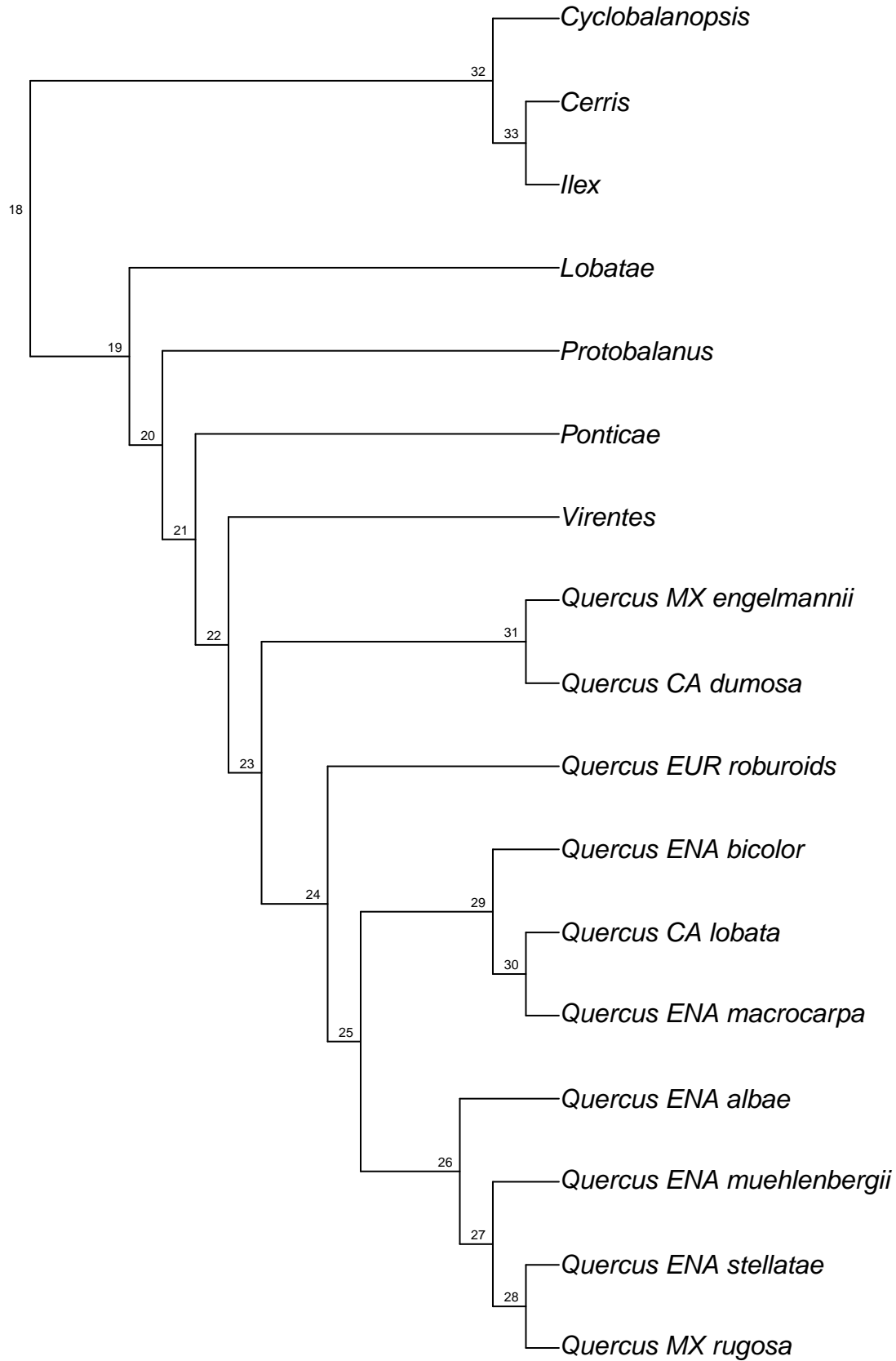




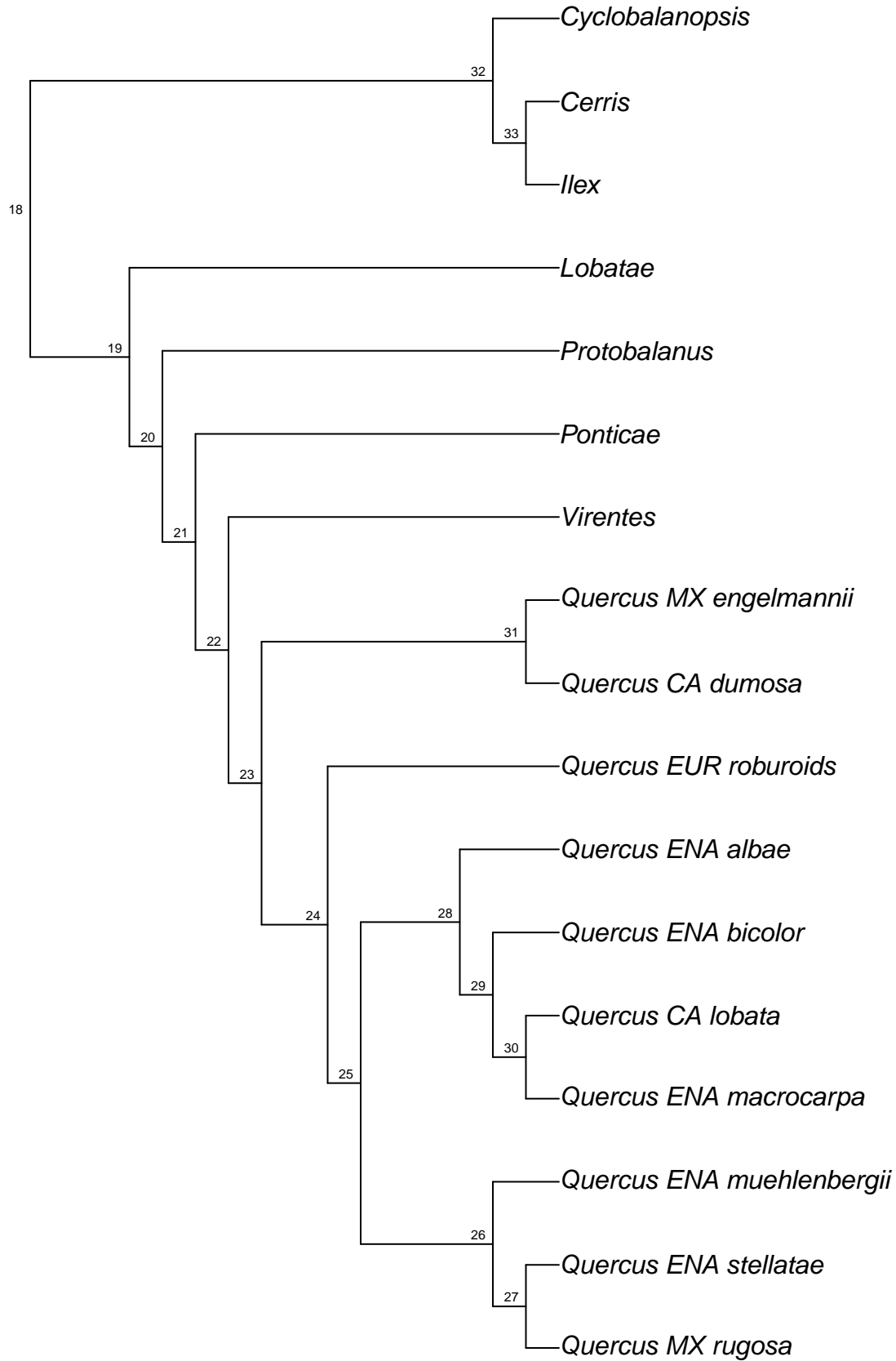
refRAD.ref\_longispica\_raxml.bt054



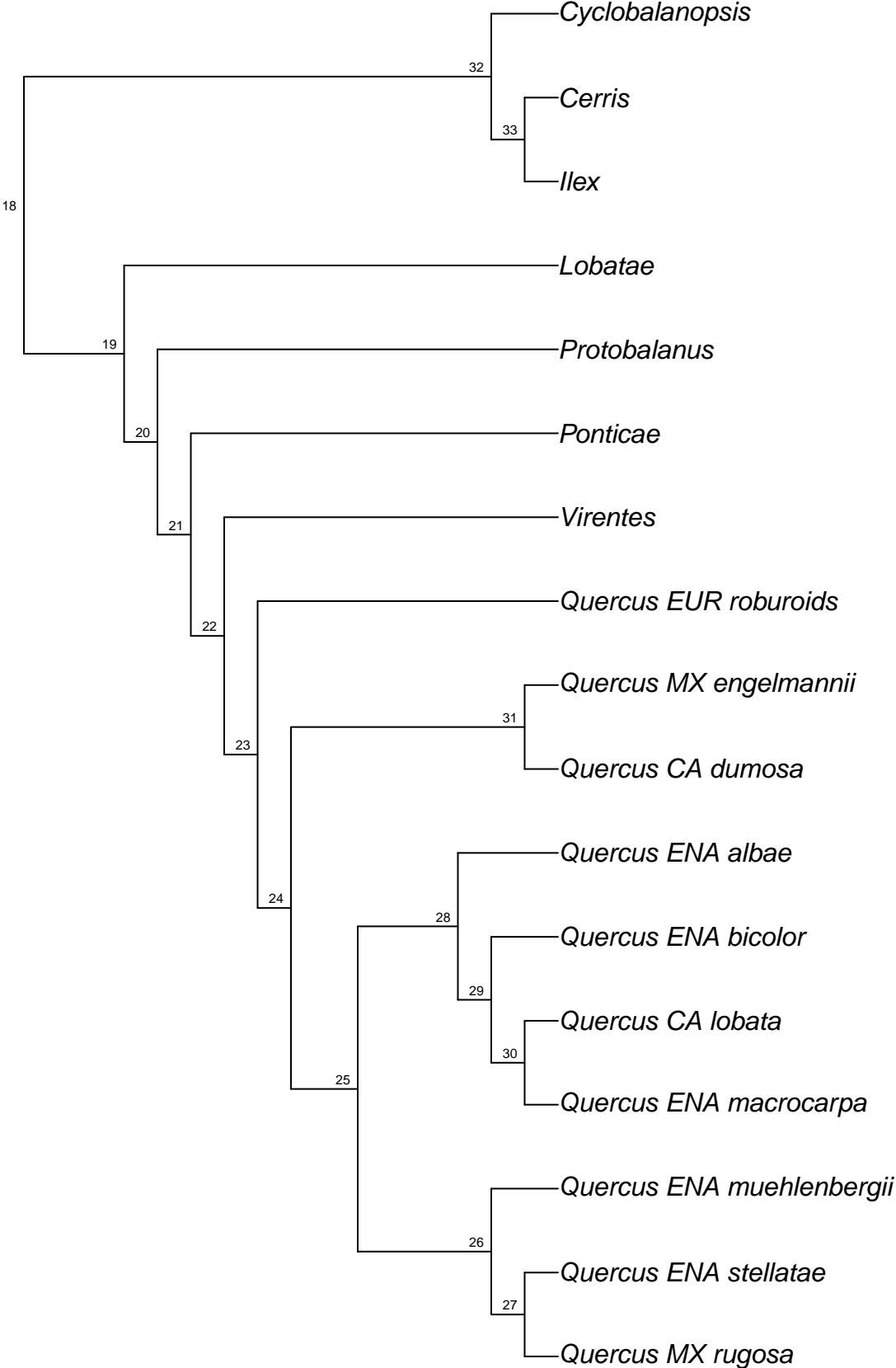
refRAD.ref\_longispica\_raxml.bt055



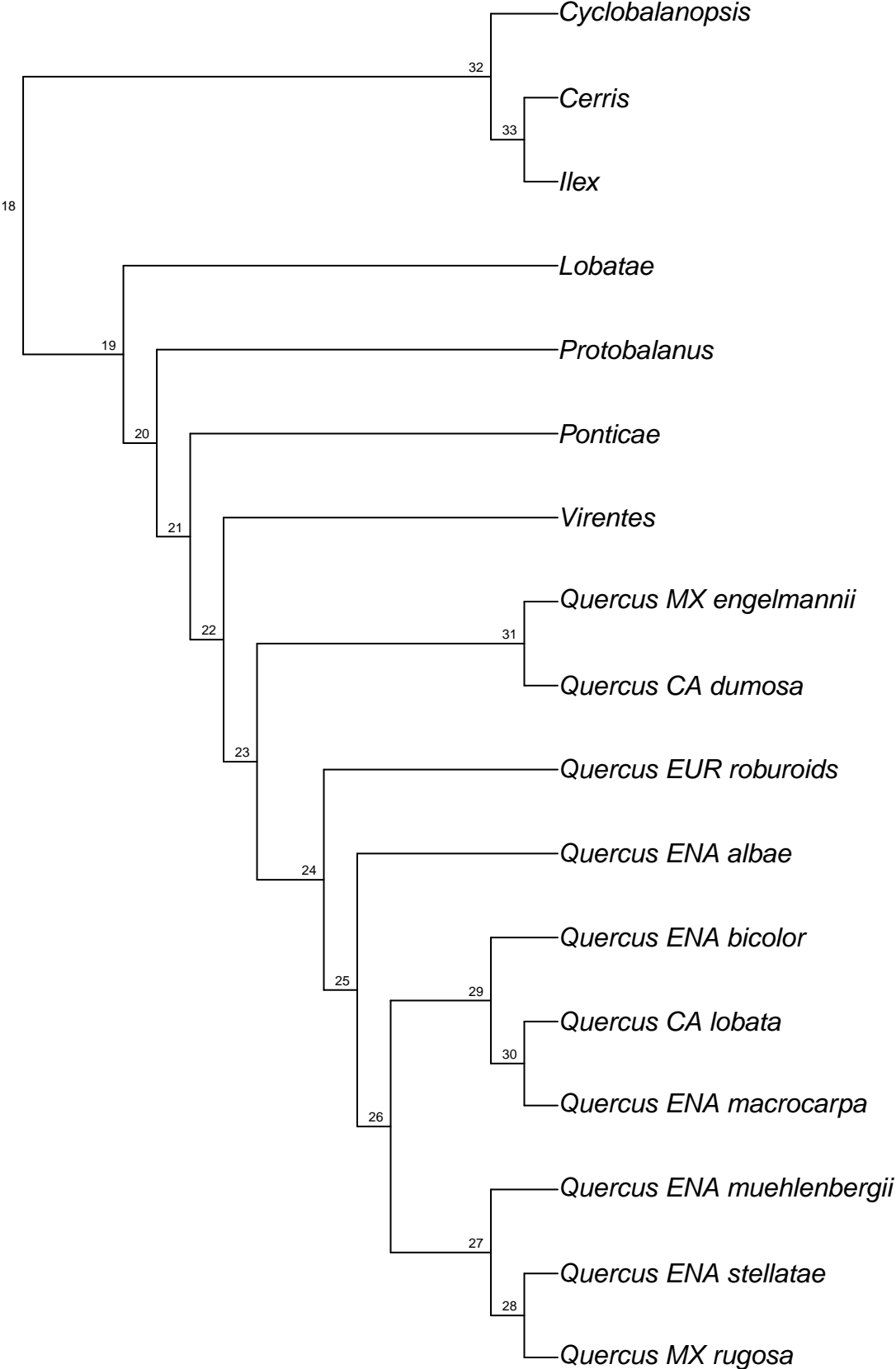
refRAD.ref\_longispica\_raxml.bt056

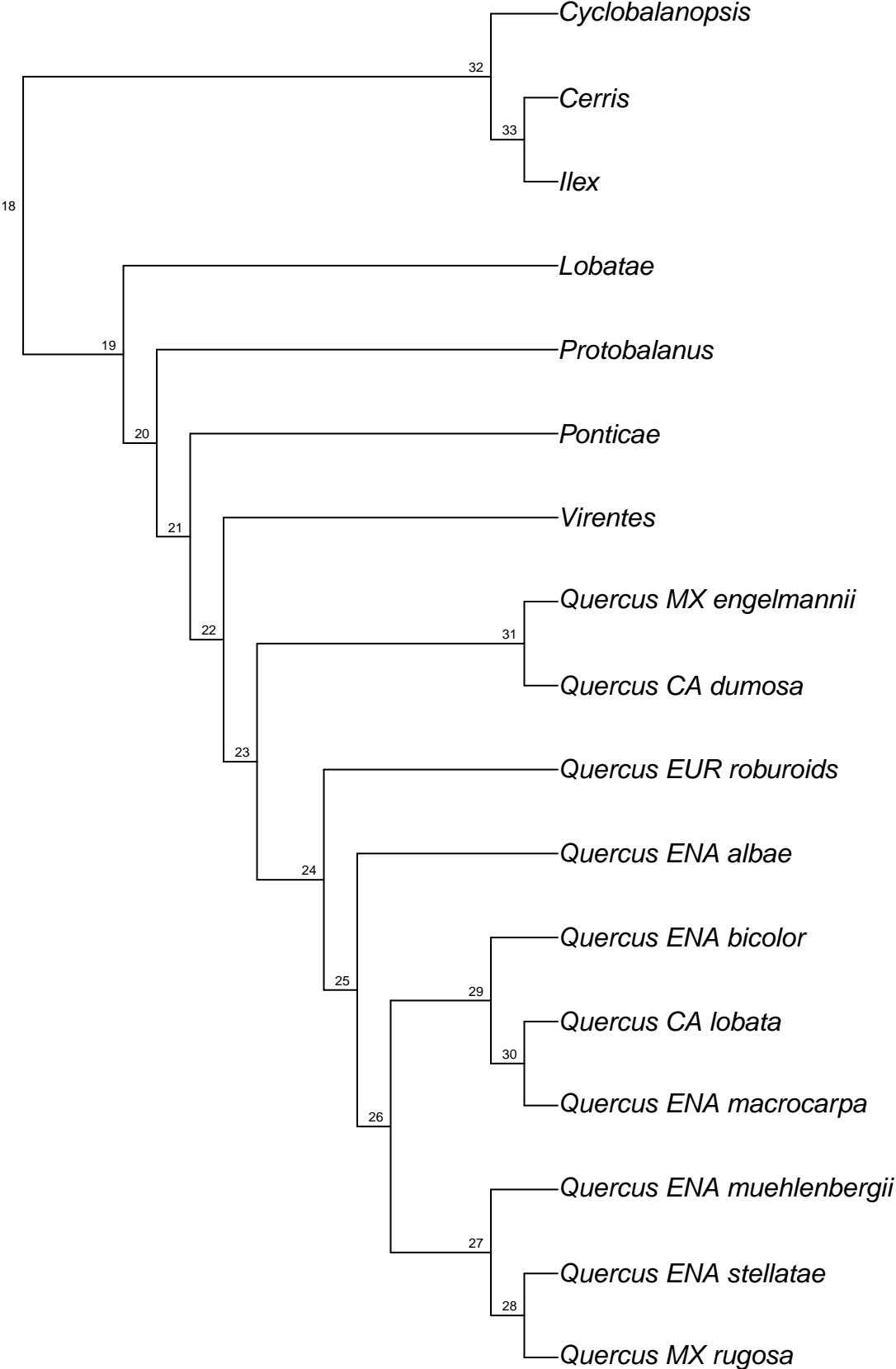


refRAD.ref\_longispica\_raxml.bt057

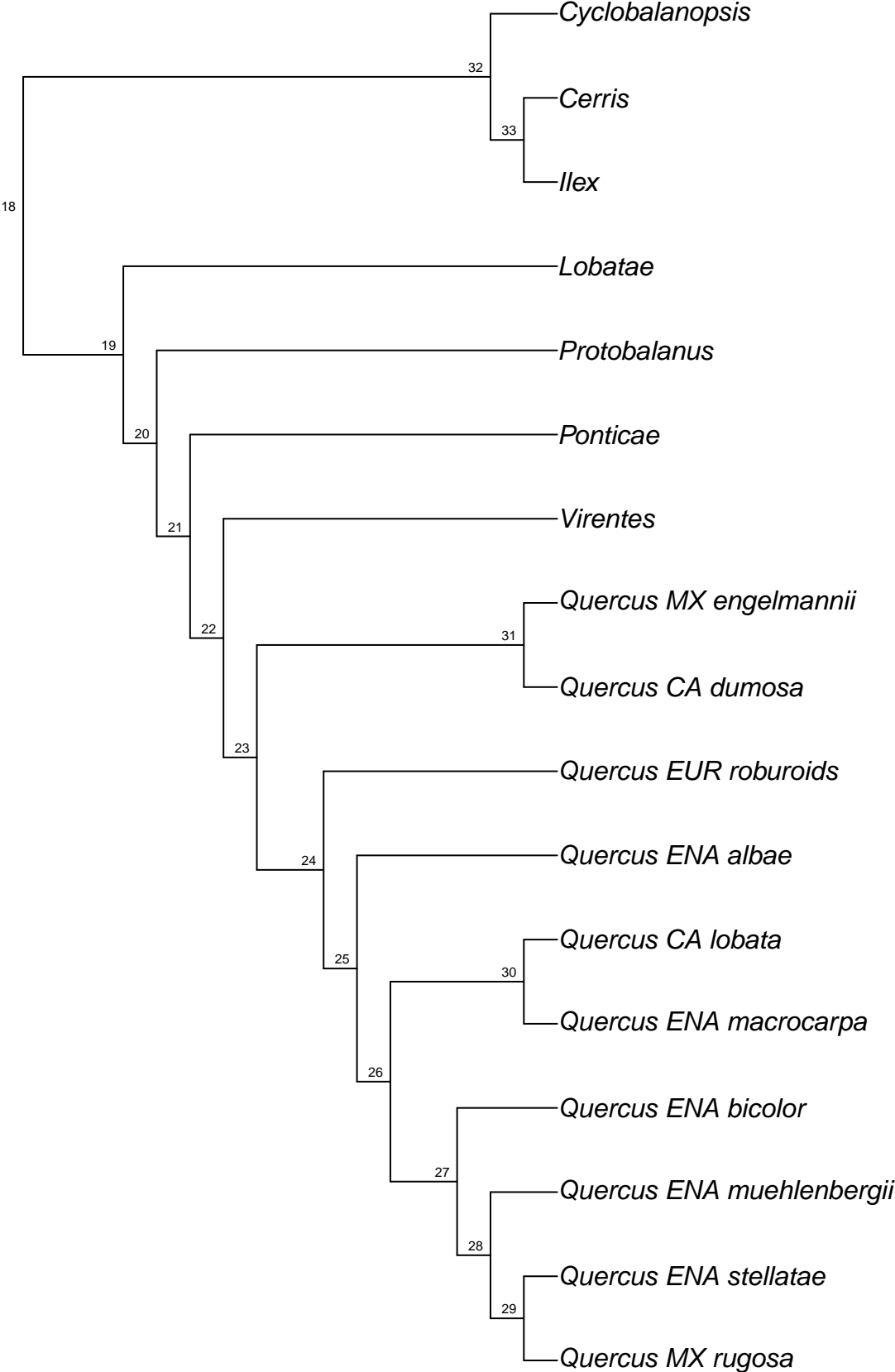


refRAD.ref\_longispica\_raxml.bt058

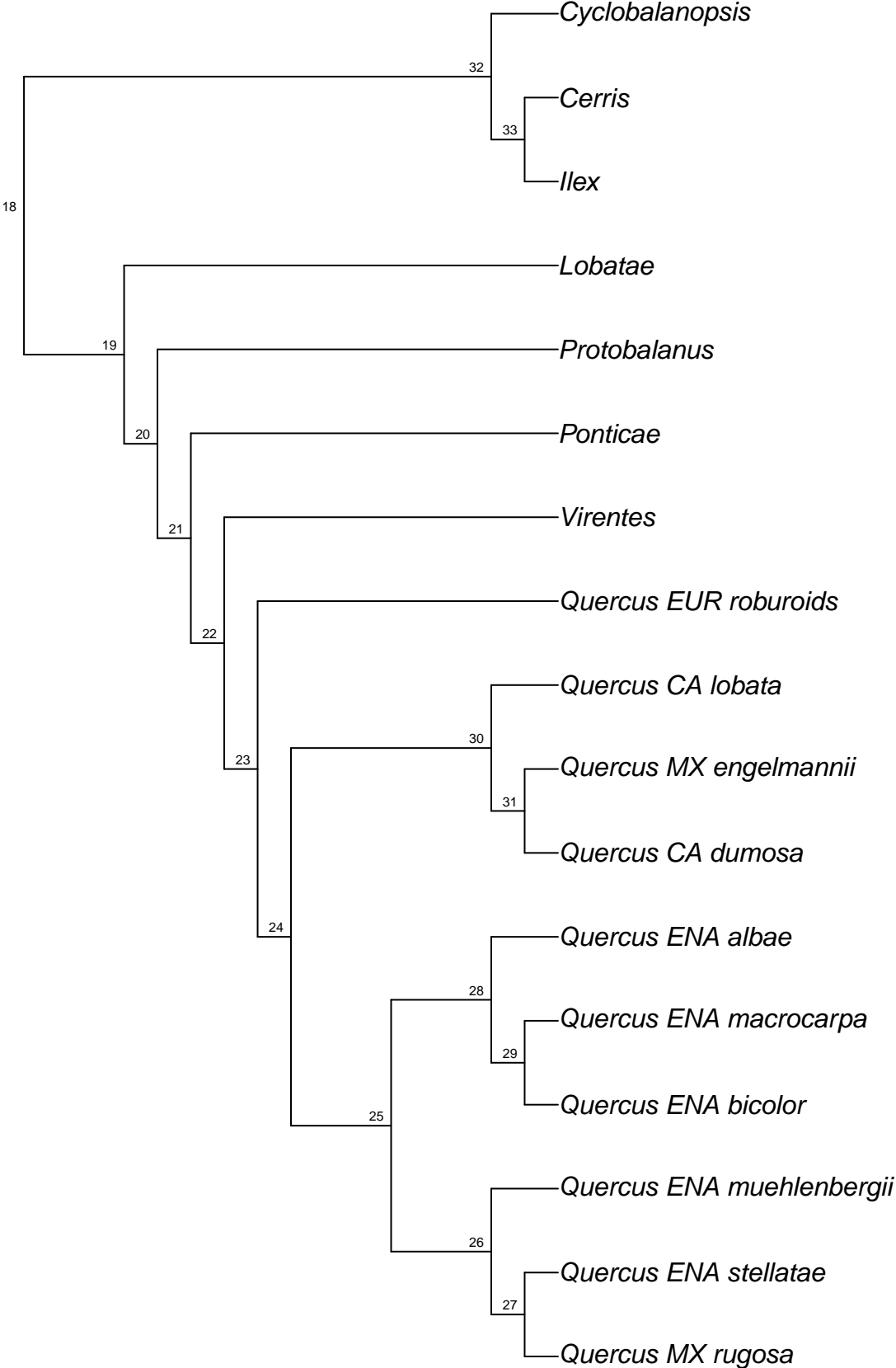




refRAD.ref\_longispica\_raxml.bt060

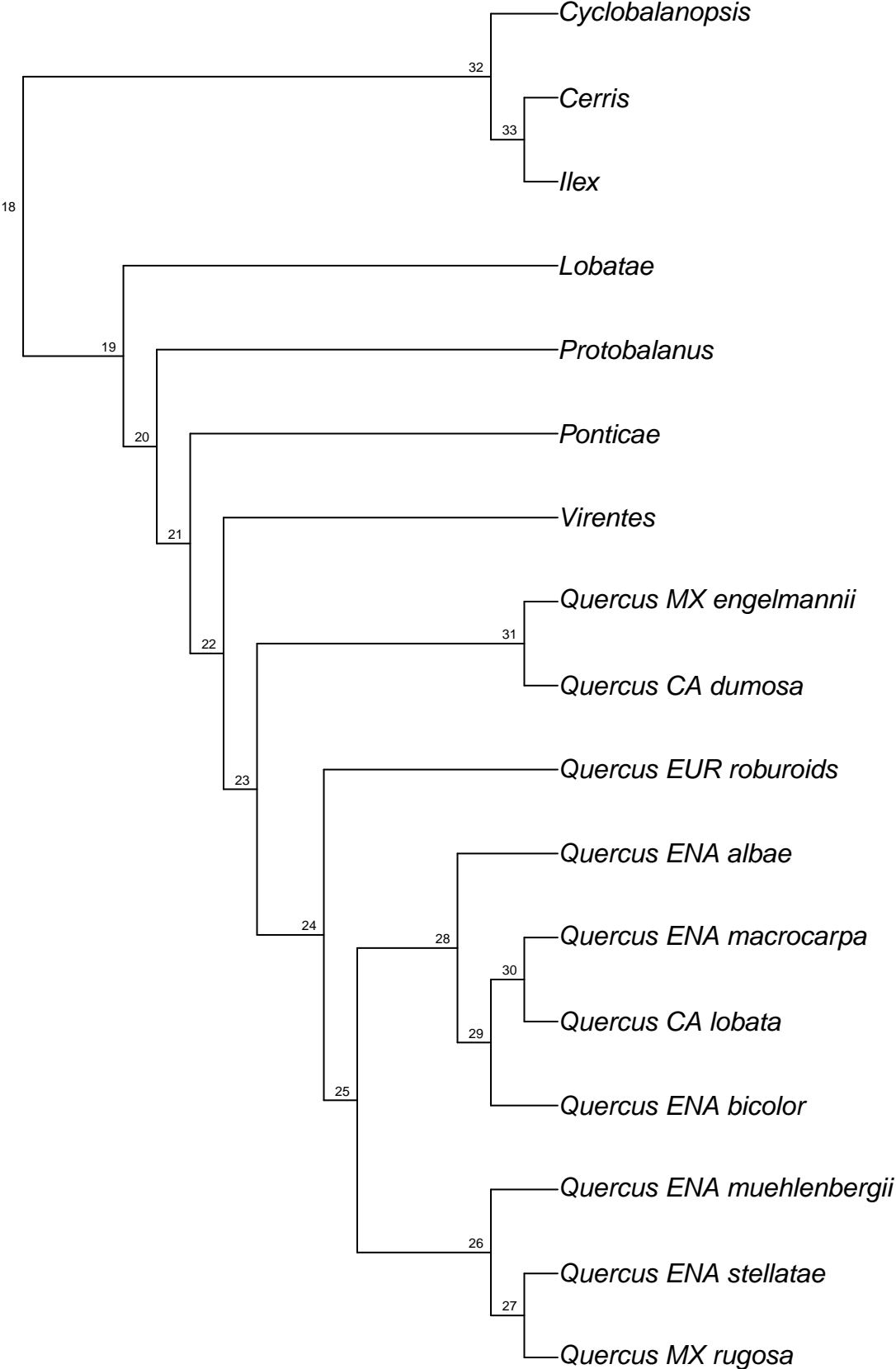


refRAD.ref\_longispica\_raxml.bt061

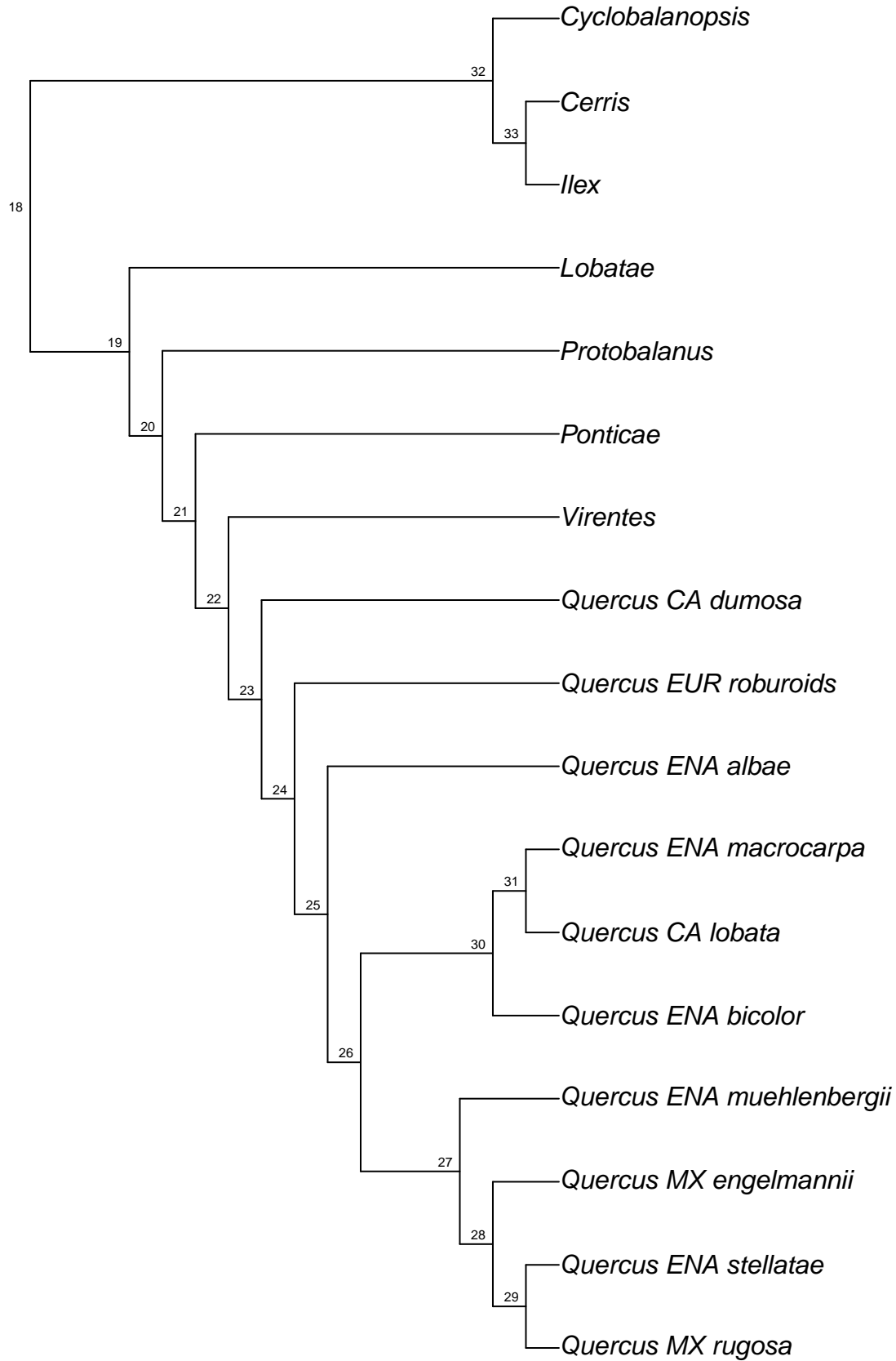




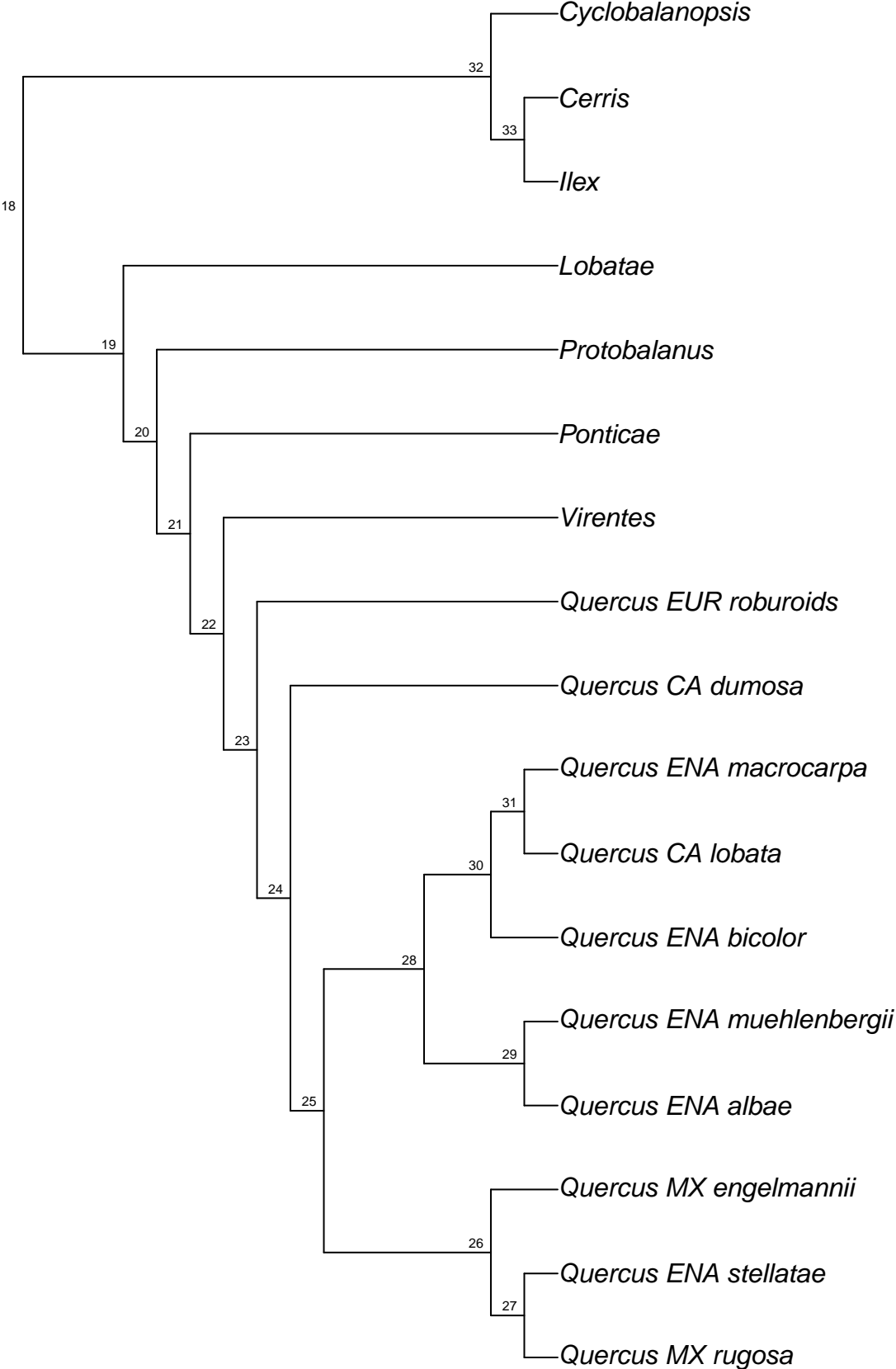
refRAD.ref\_longispica\_raxml.bt062



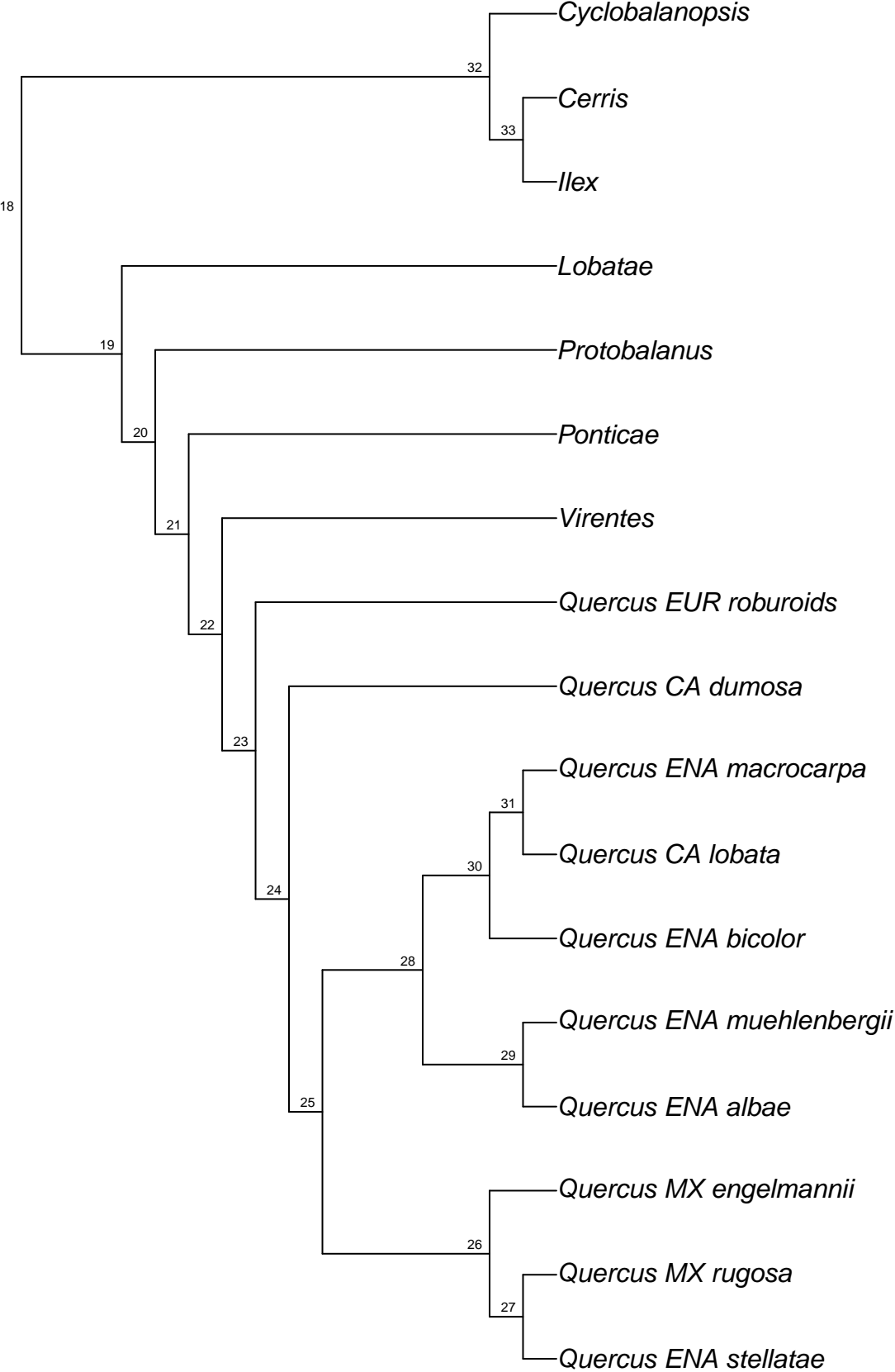
refRAD.ref\_longispica\_raxml.bt063



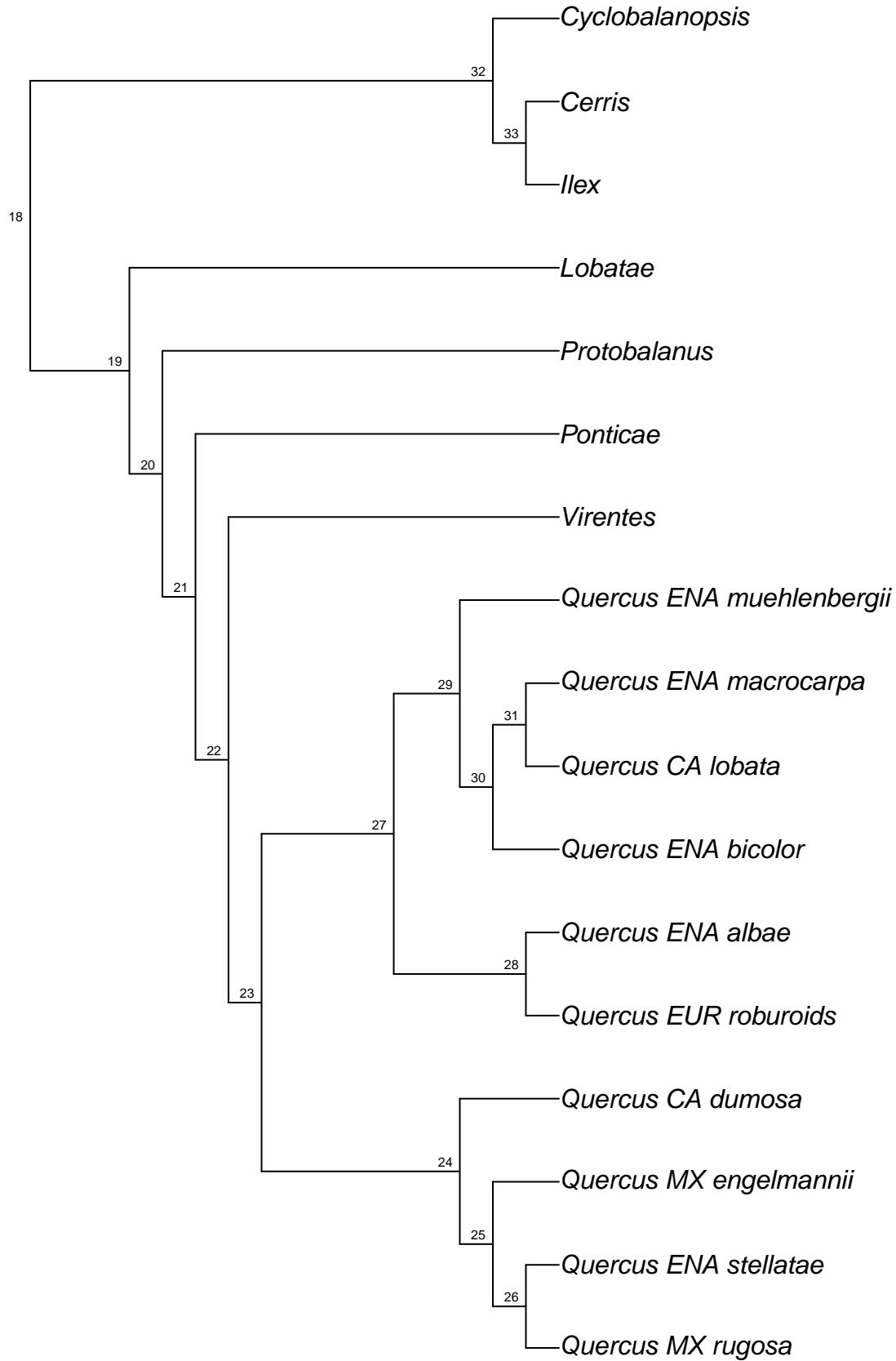
refRAD.ref\_longispica\_raxml.bt064



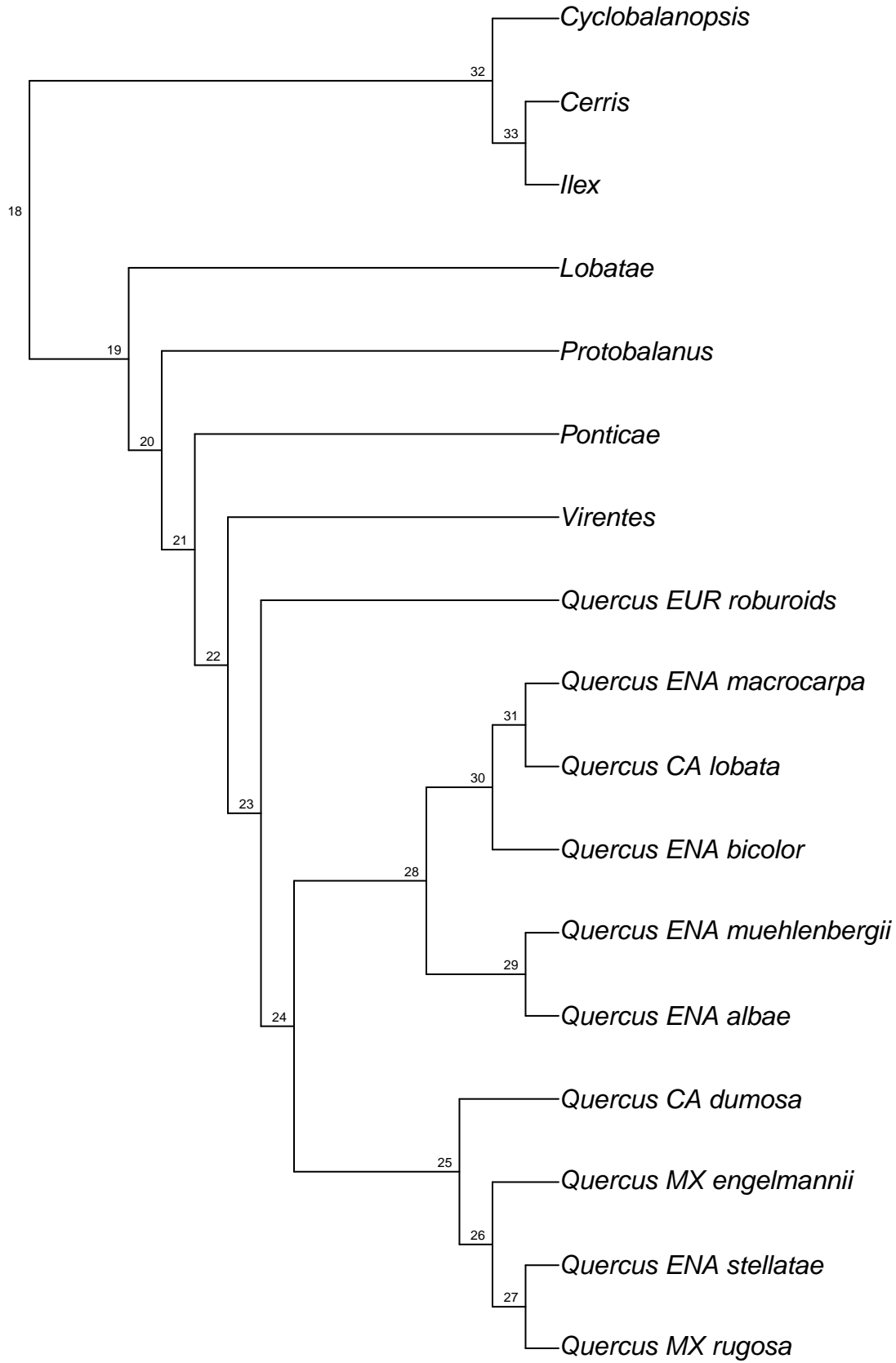
refRAD.ref\_longispica\_raxml.bt065



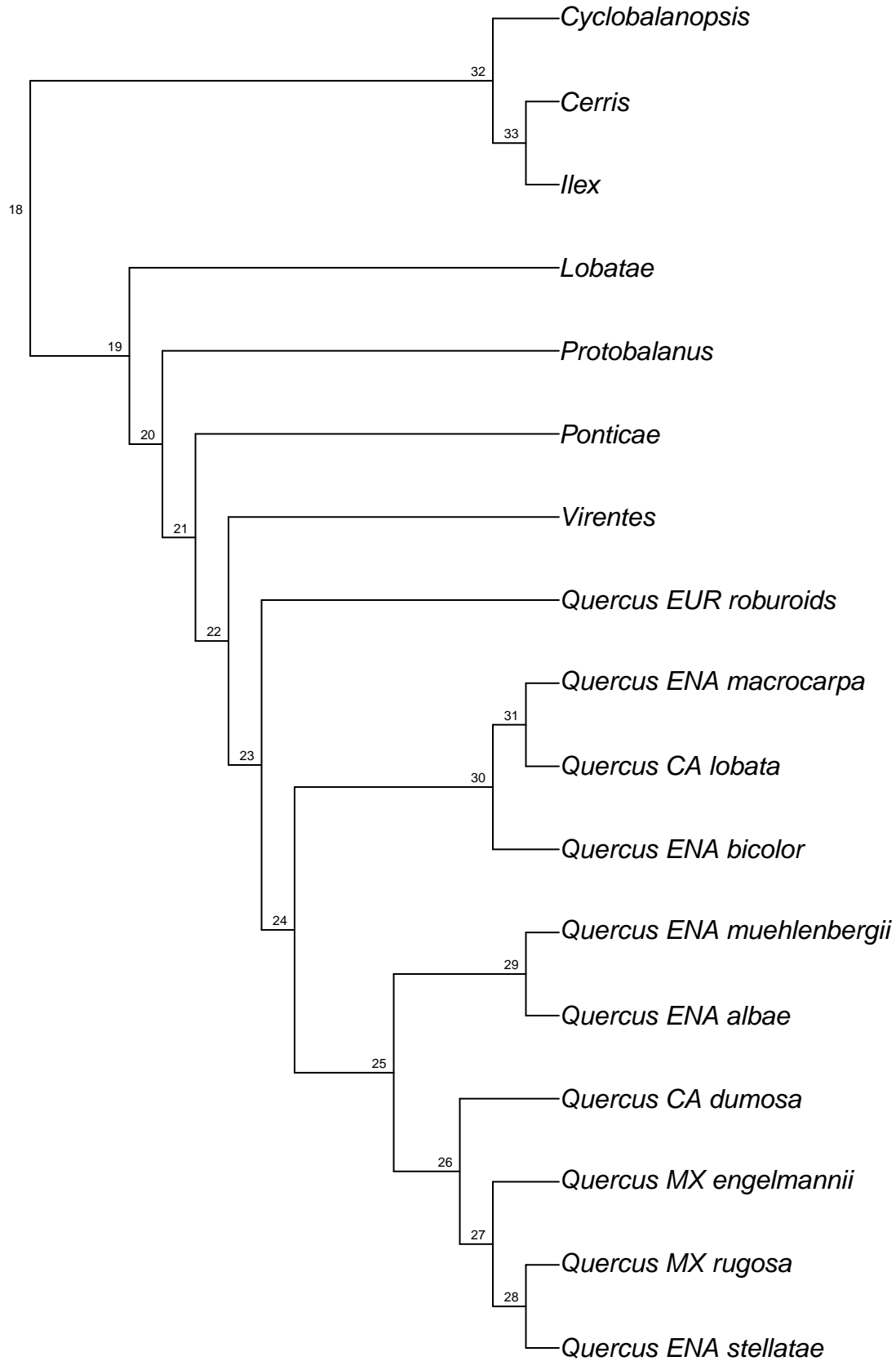
refRAD.ref\_longispica\_raxml.bt066



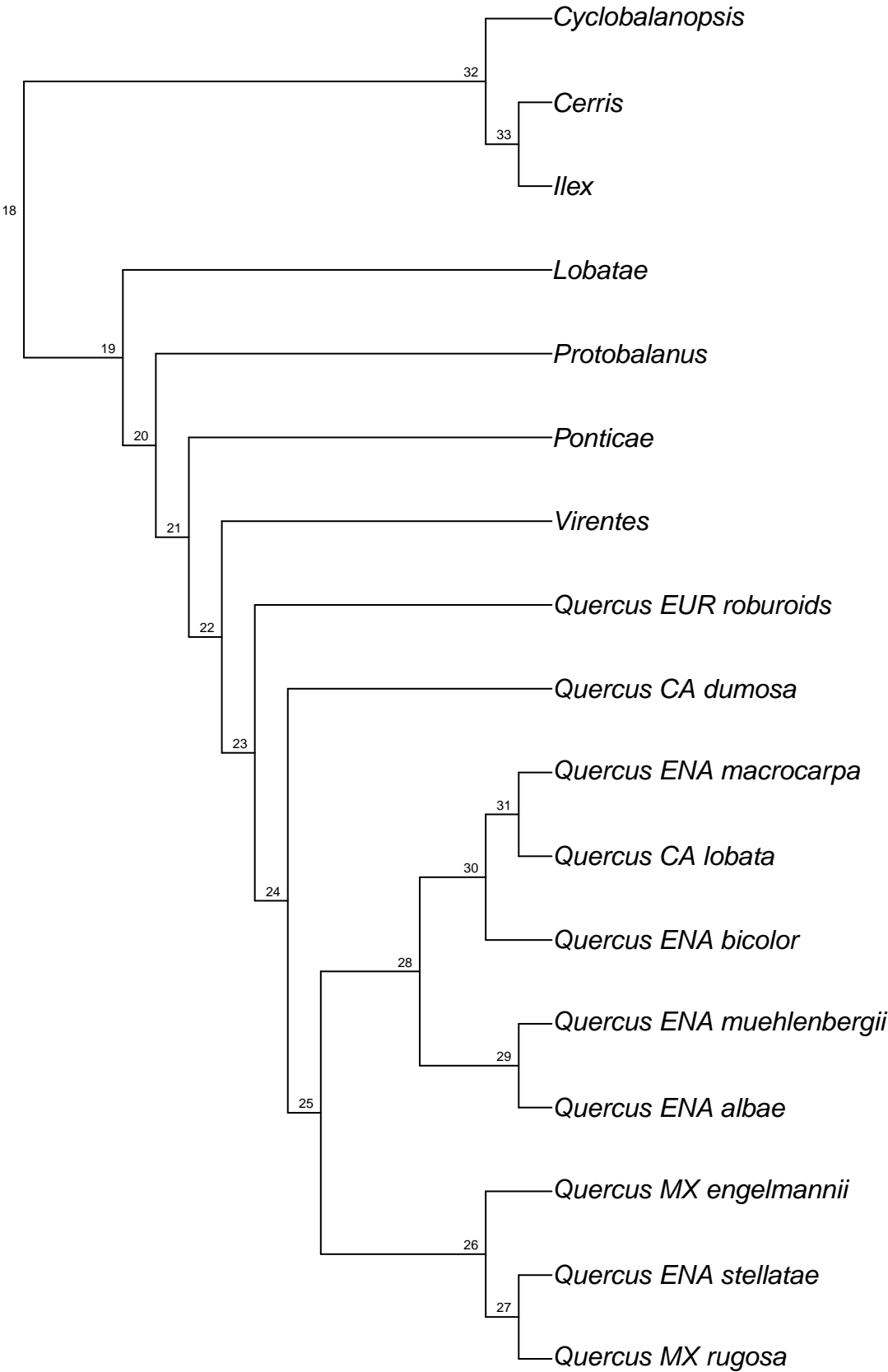
refRAD.ref\_longispica\_raxml.bt067



refRAD.ref\_longispica\_raxml.bt068

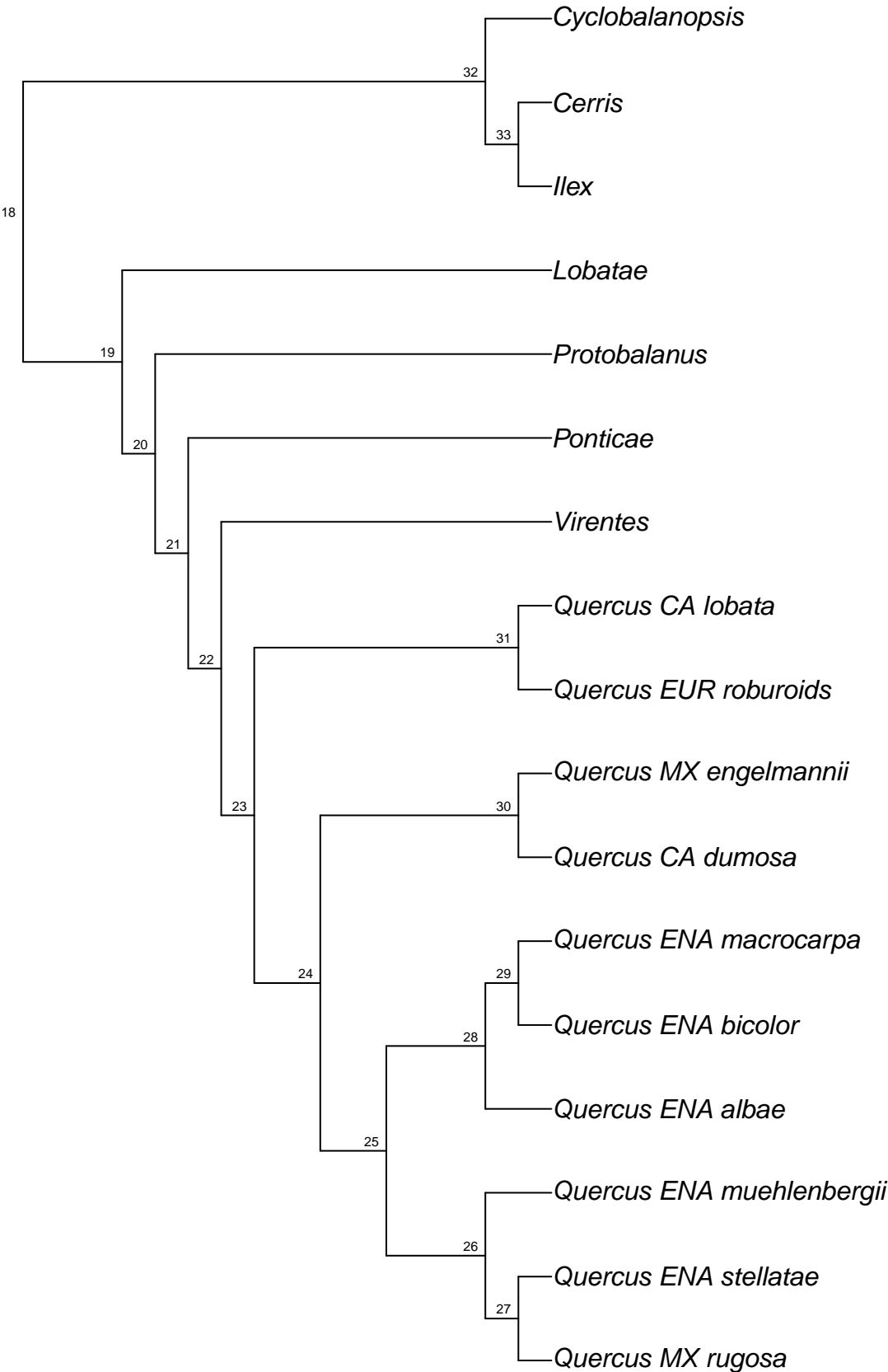


refRAD.ref\_longispica\_raxml.bt069

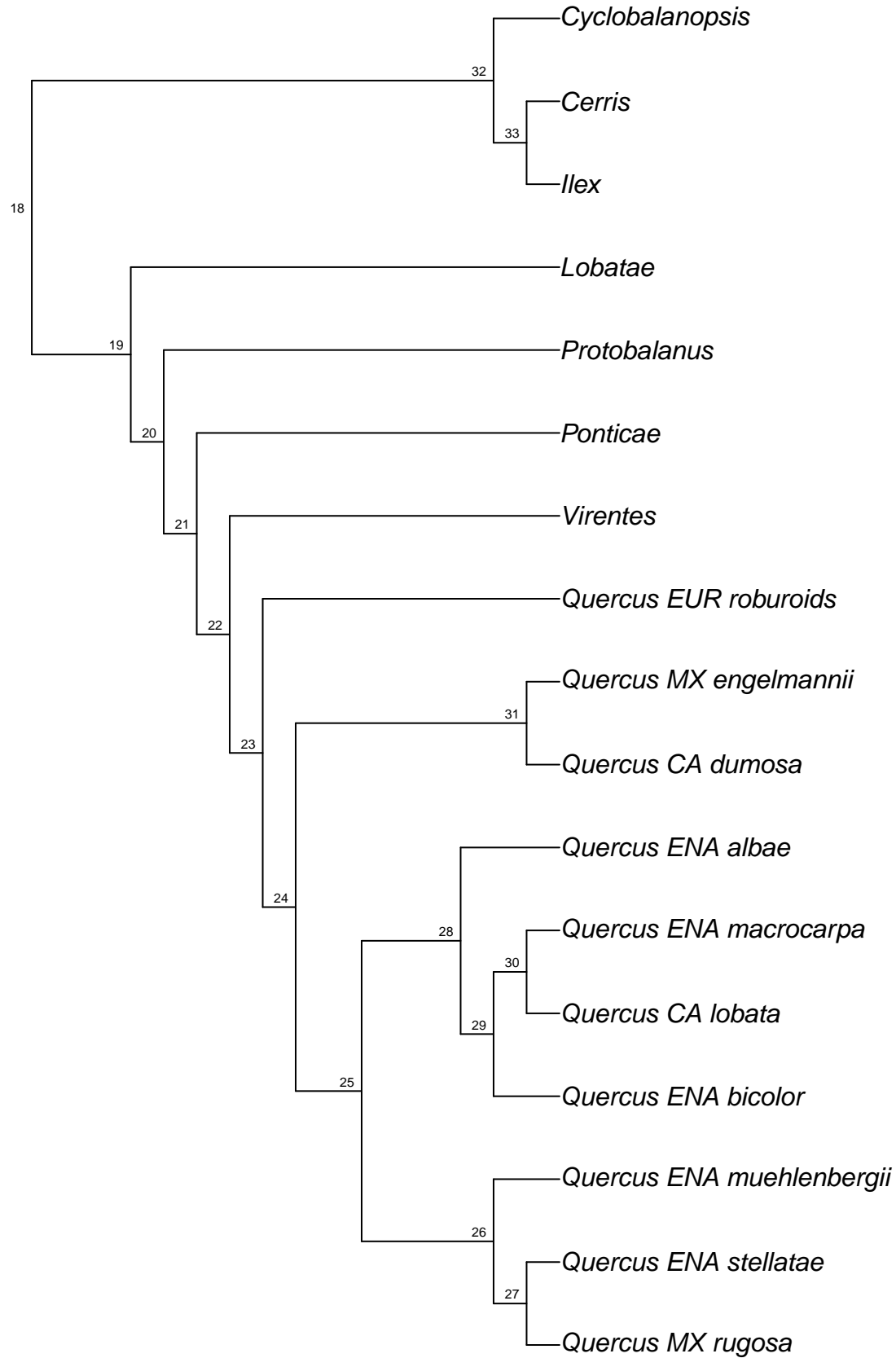




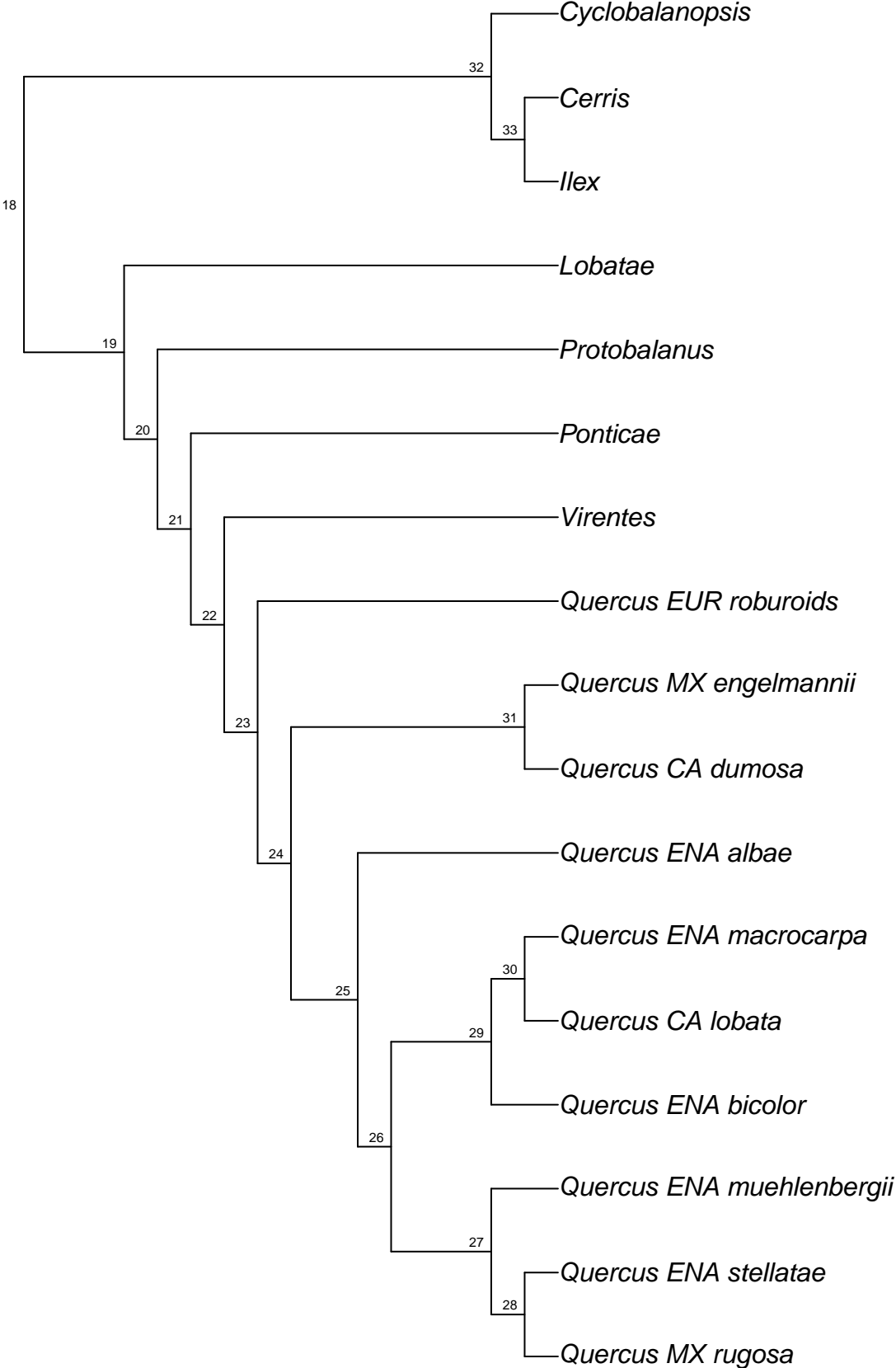
refRAD.ref\_longispica\_raxml.bt070



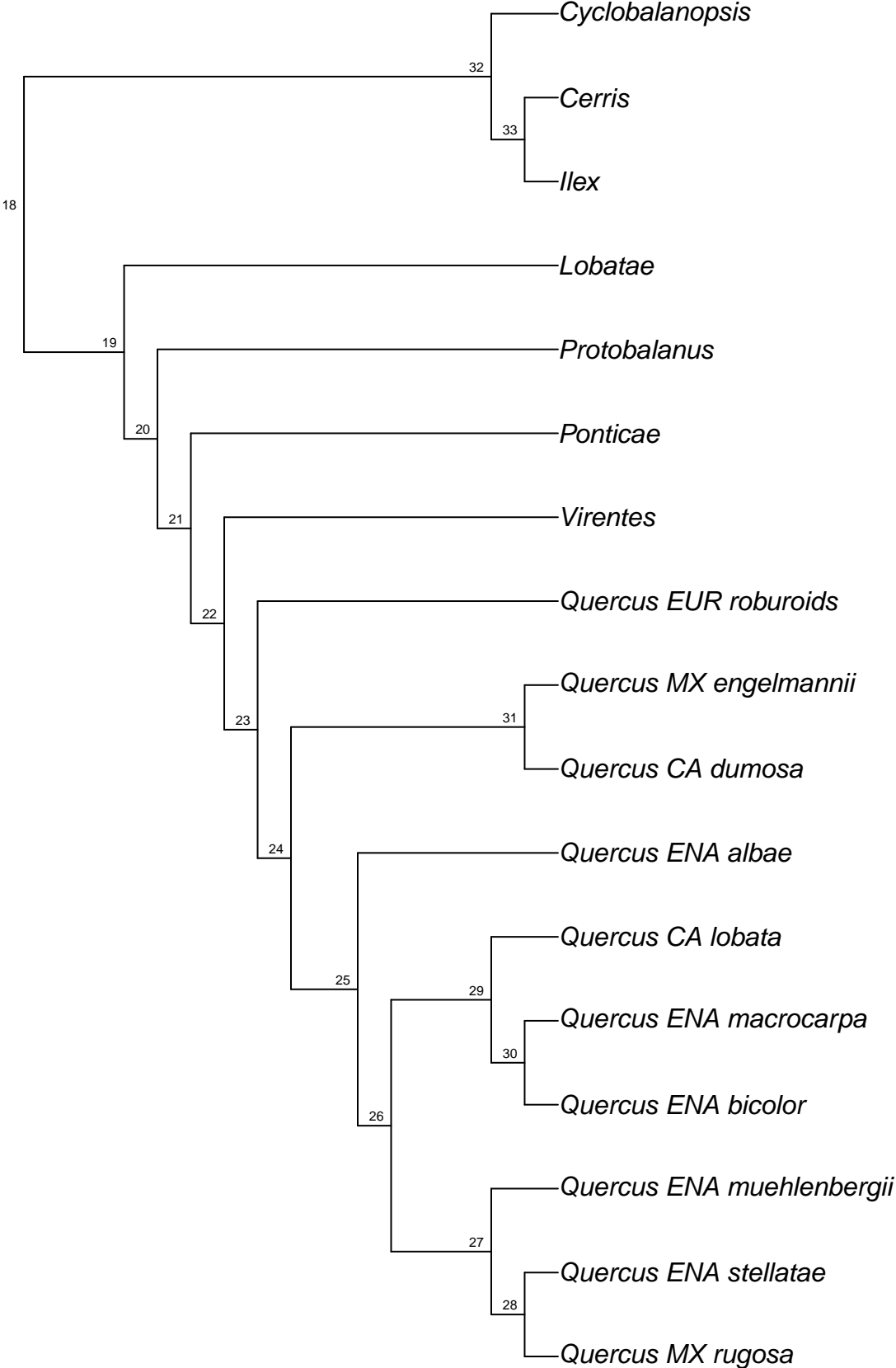
refRAD.ref\_longispica\_raxml.bt071



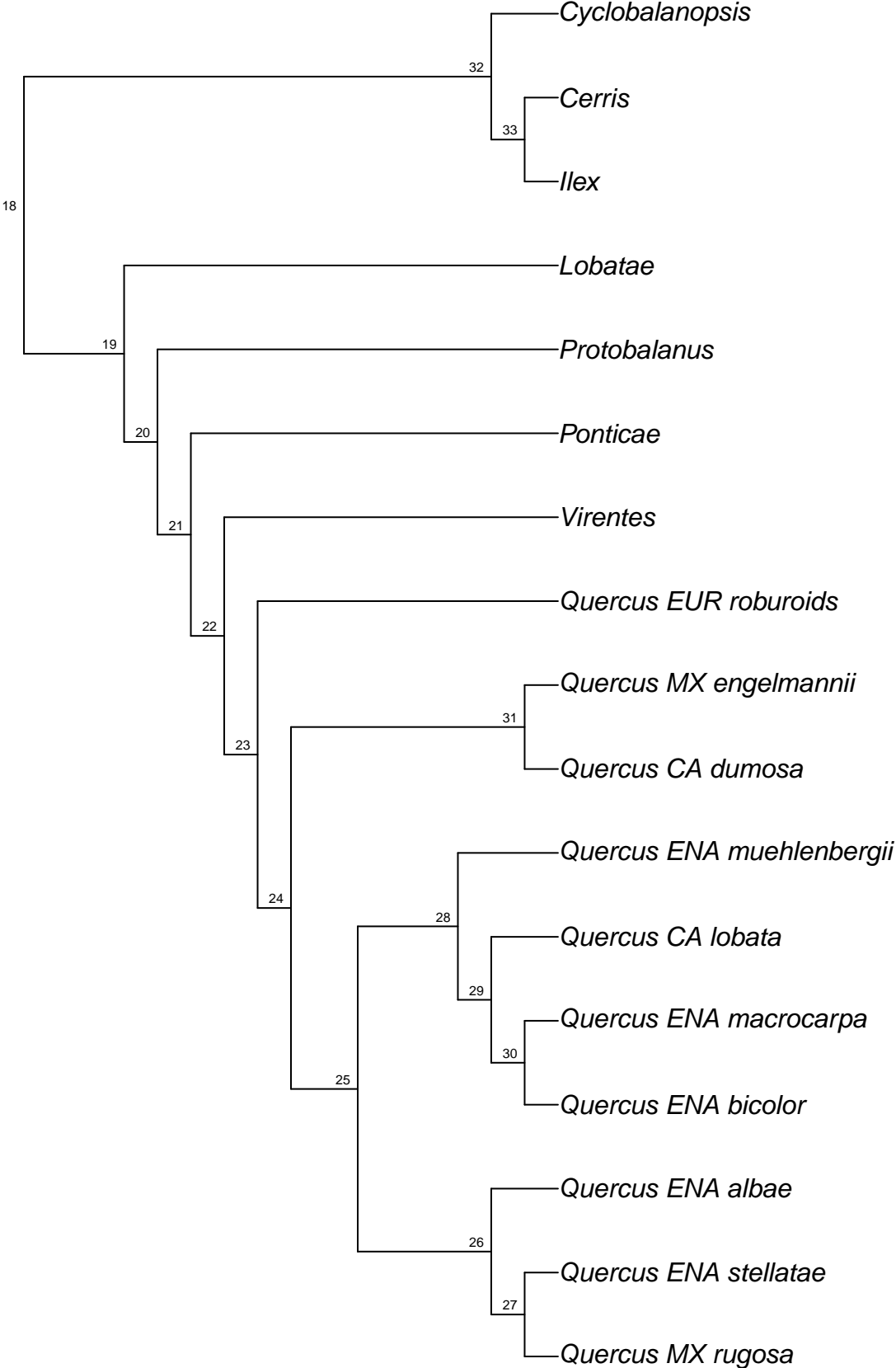
refRAD.ref\_longispica\_raxml.bt072



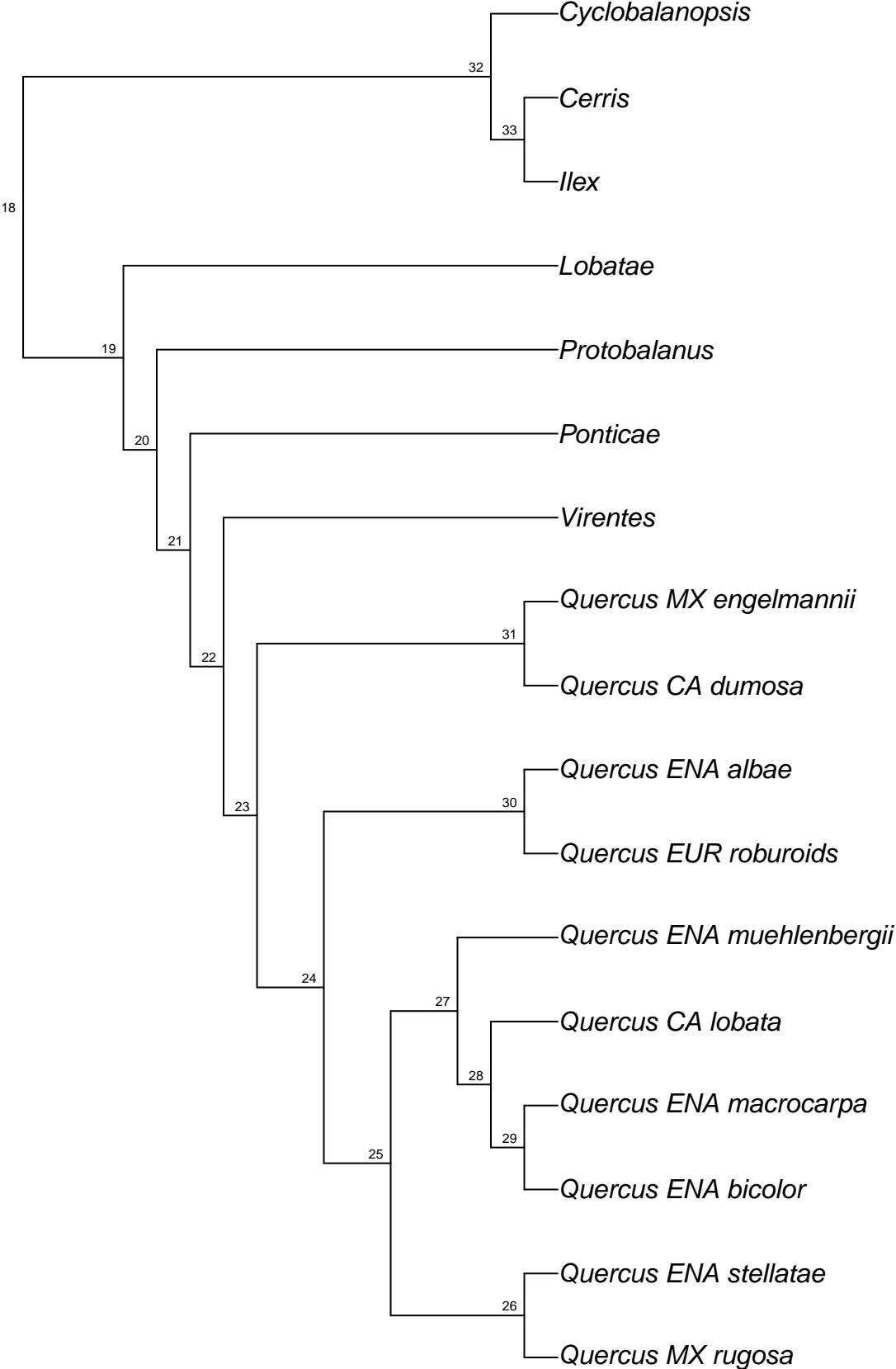
refRAD.ref\_longispica\_raxml.bt073



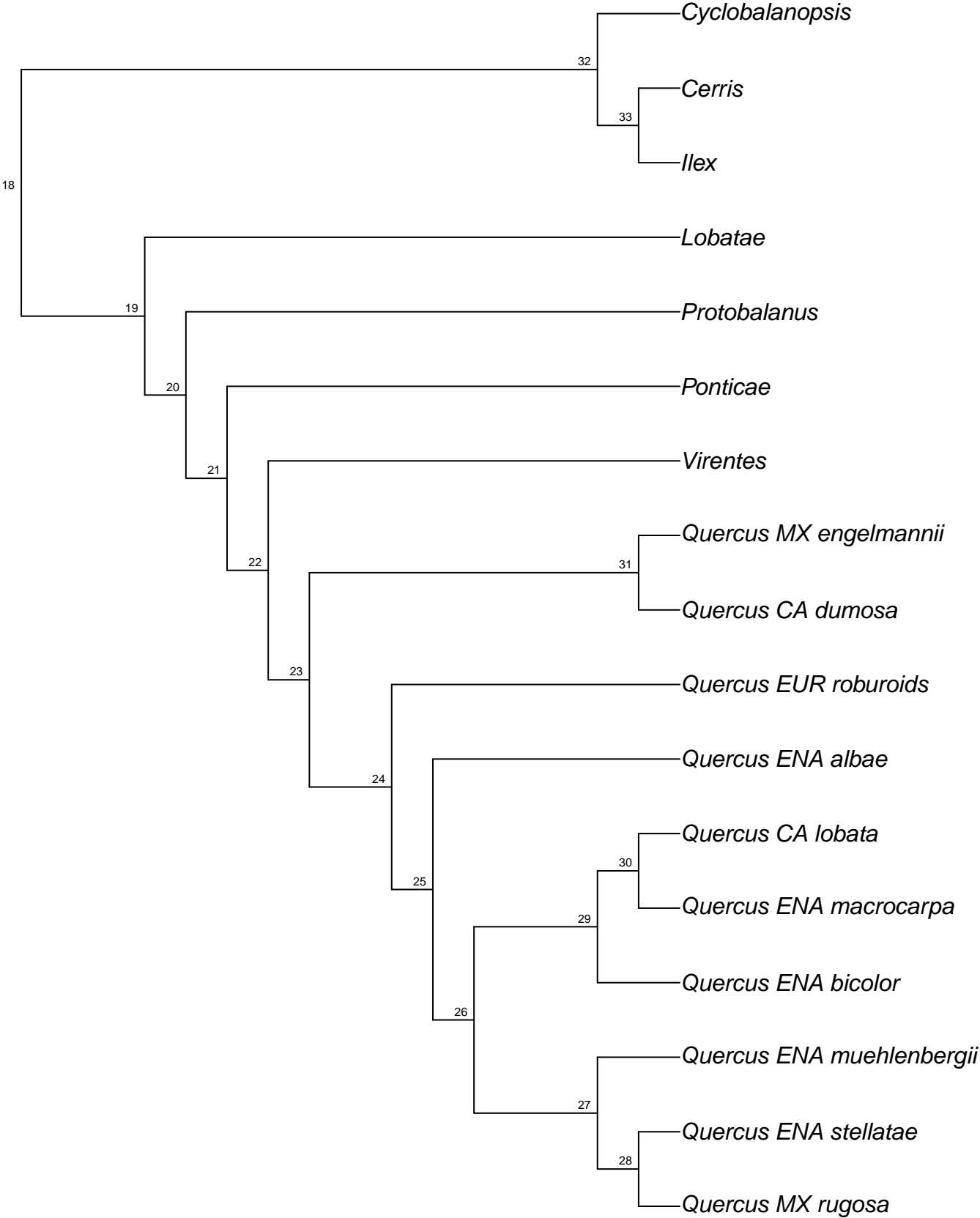
refRAD.ref\_longispica\_raxml.bt074



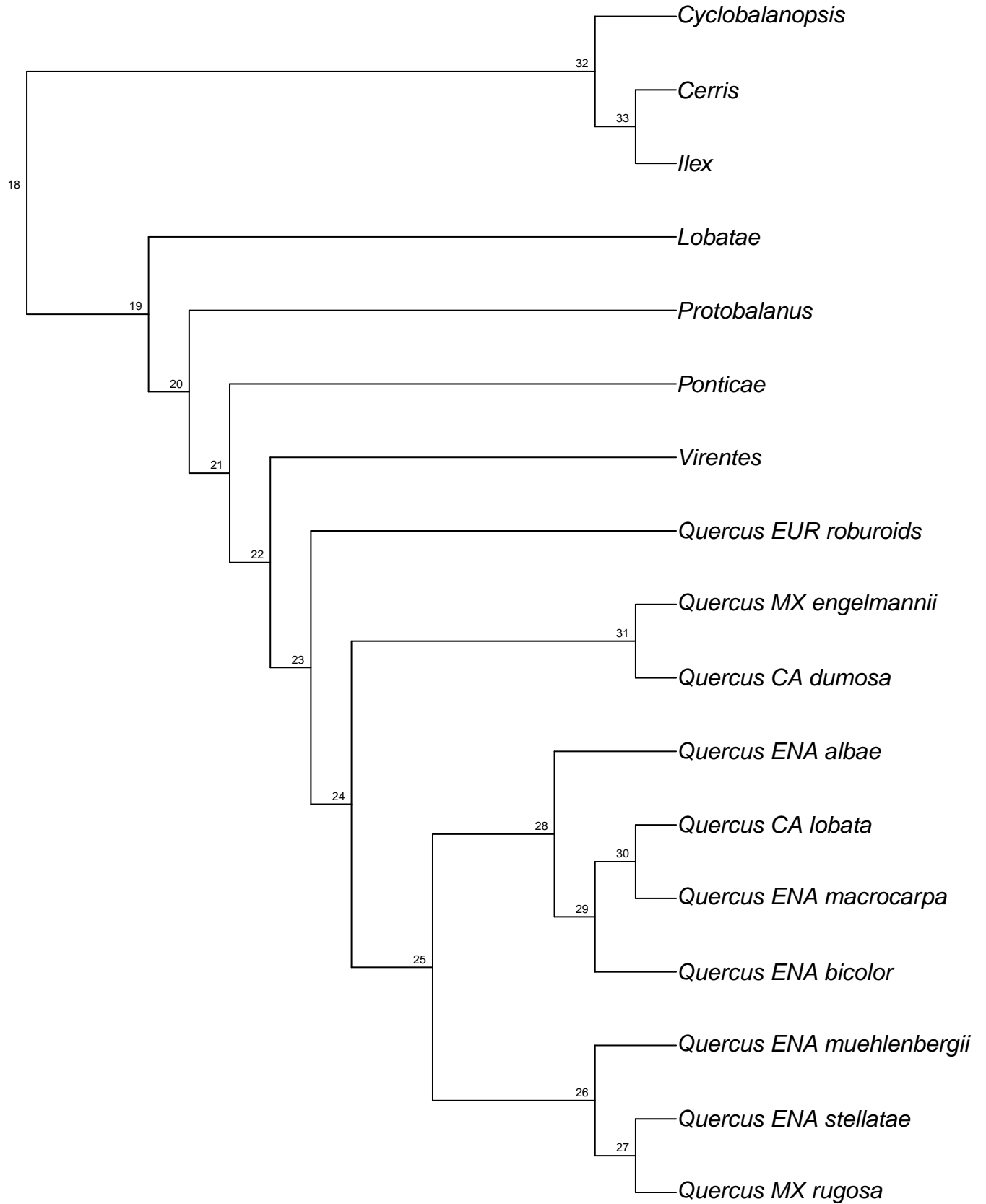
refRAD.ref\_longispica\_raxml.bt075



refRAD.ref\_longispica\_raxml.bt076

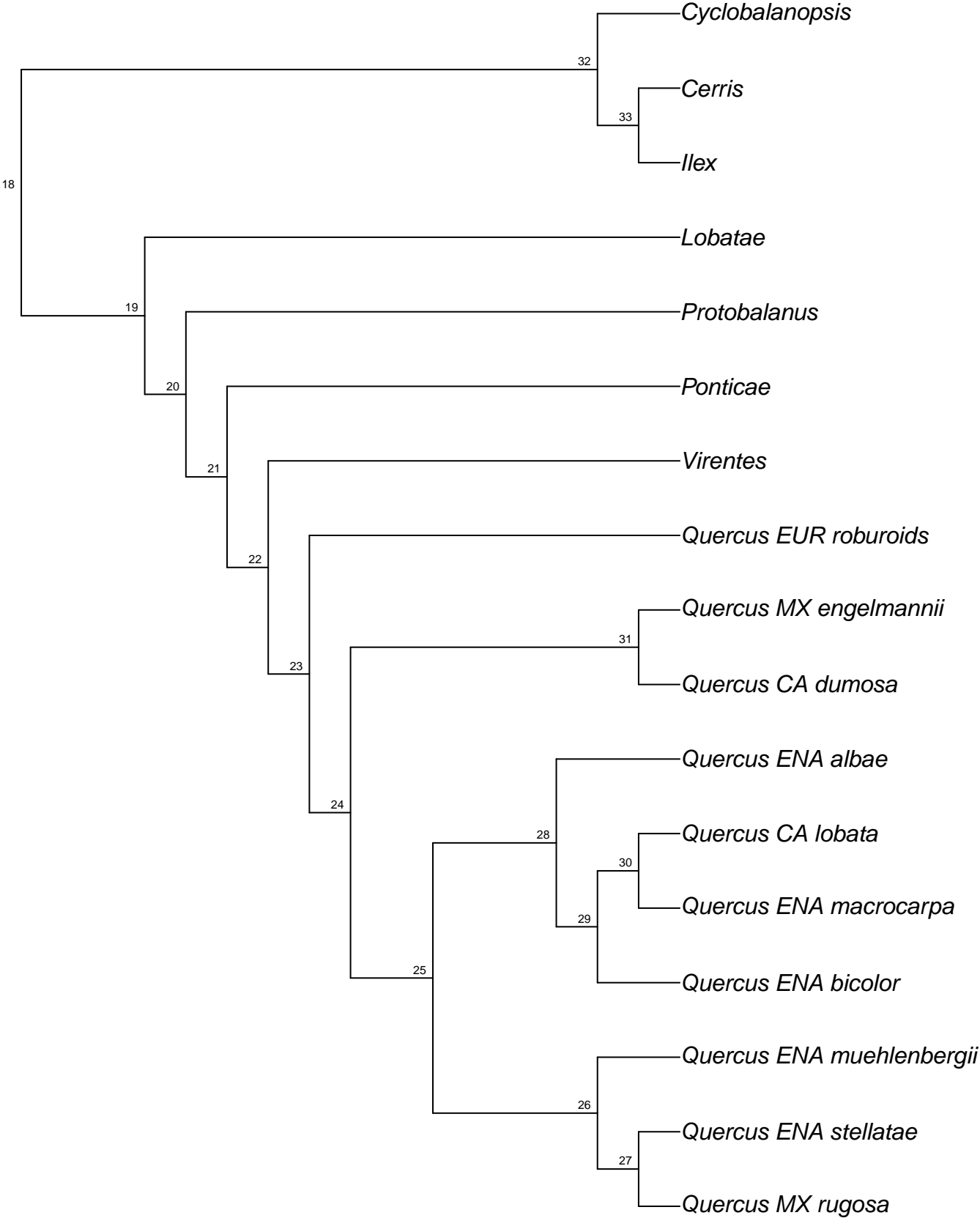


refRAD.ref\_longispica\_raxml.bt077

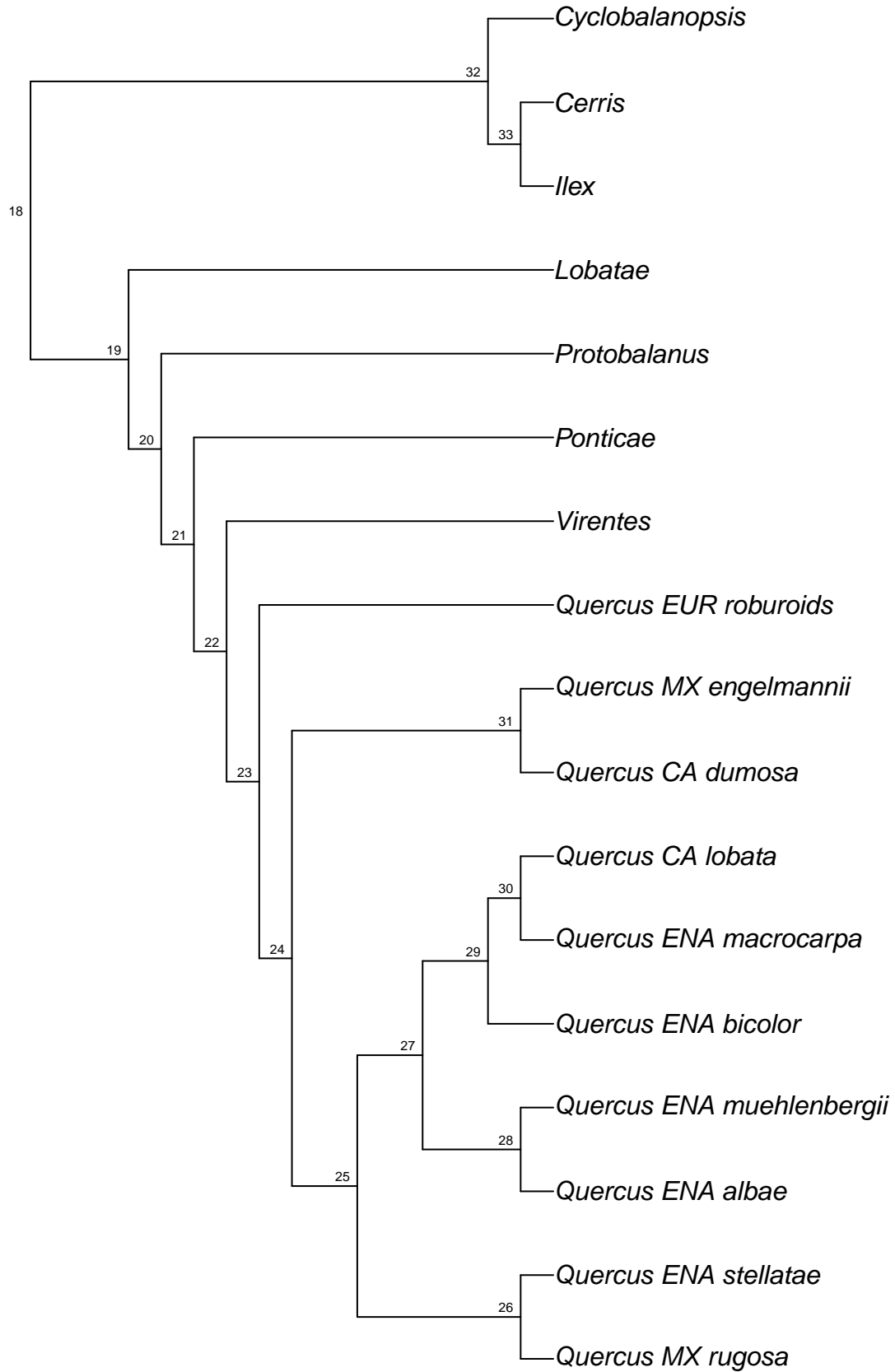




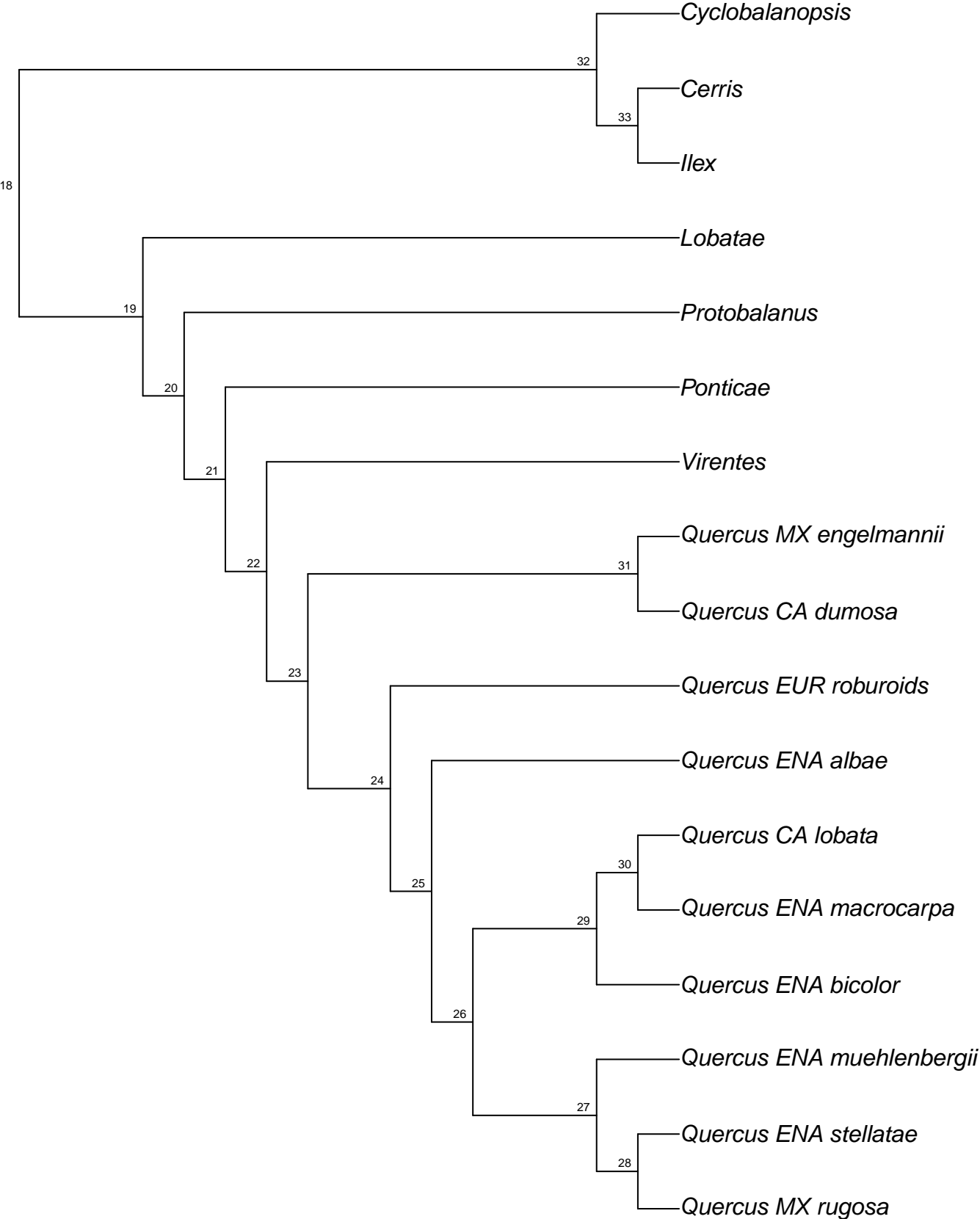
refRAD.ref\_longispica\_raxml.bt078



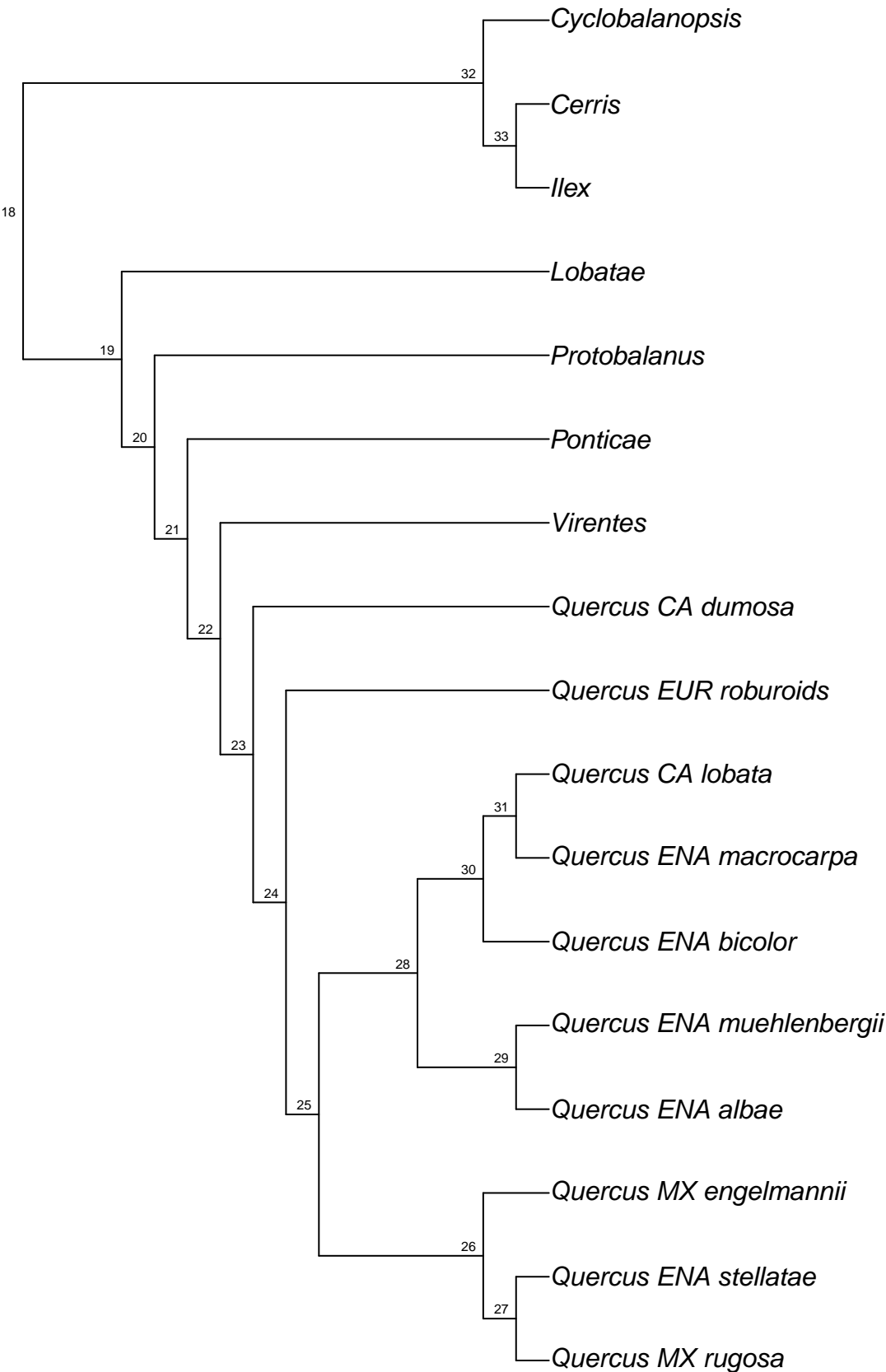
refRAD.ref\_longispica\_raxml.bt079



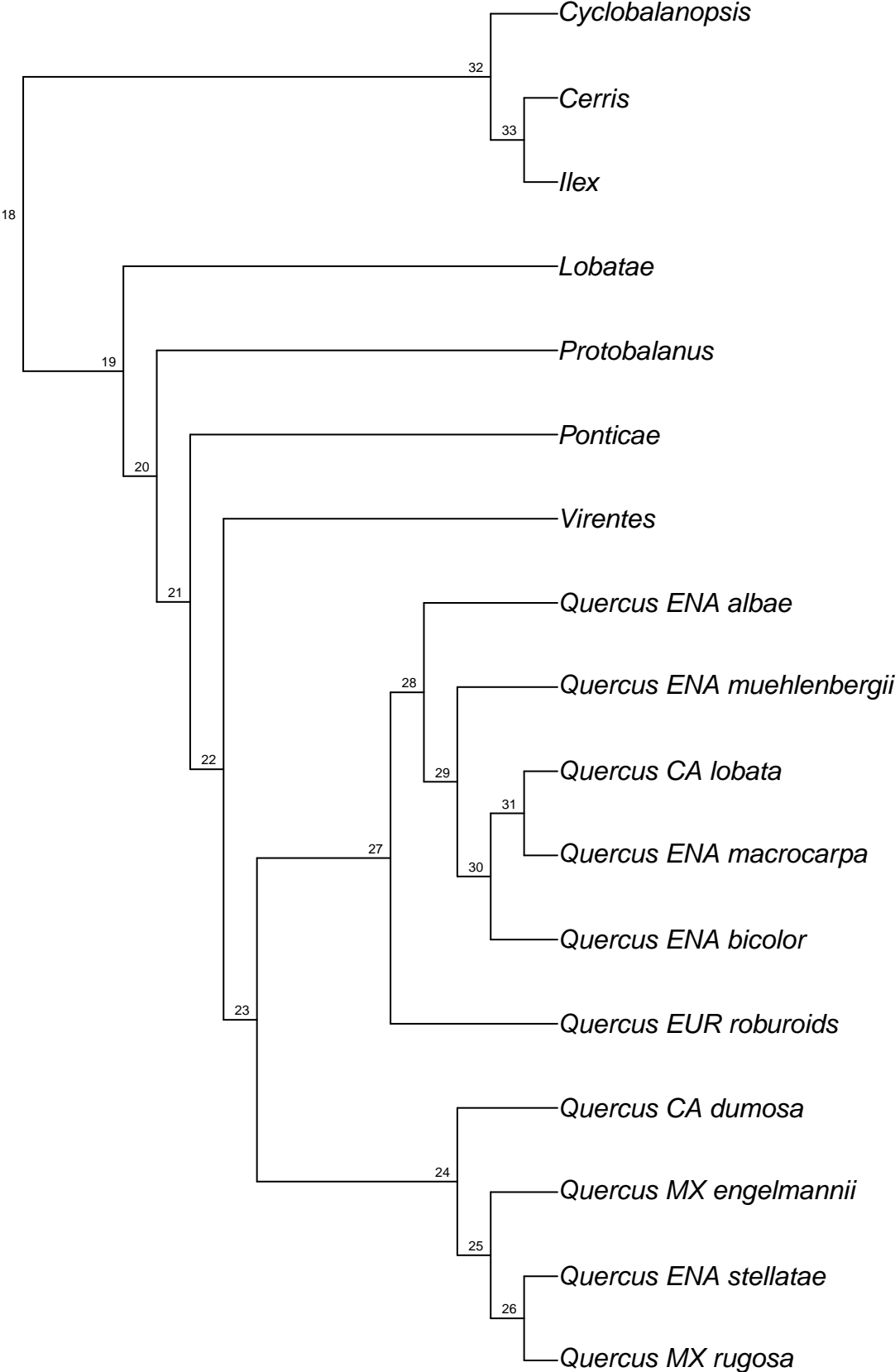
refRAD.ref\_longispica\_raxml.bt080



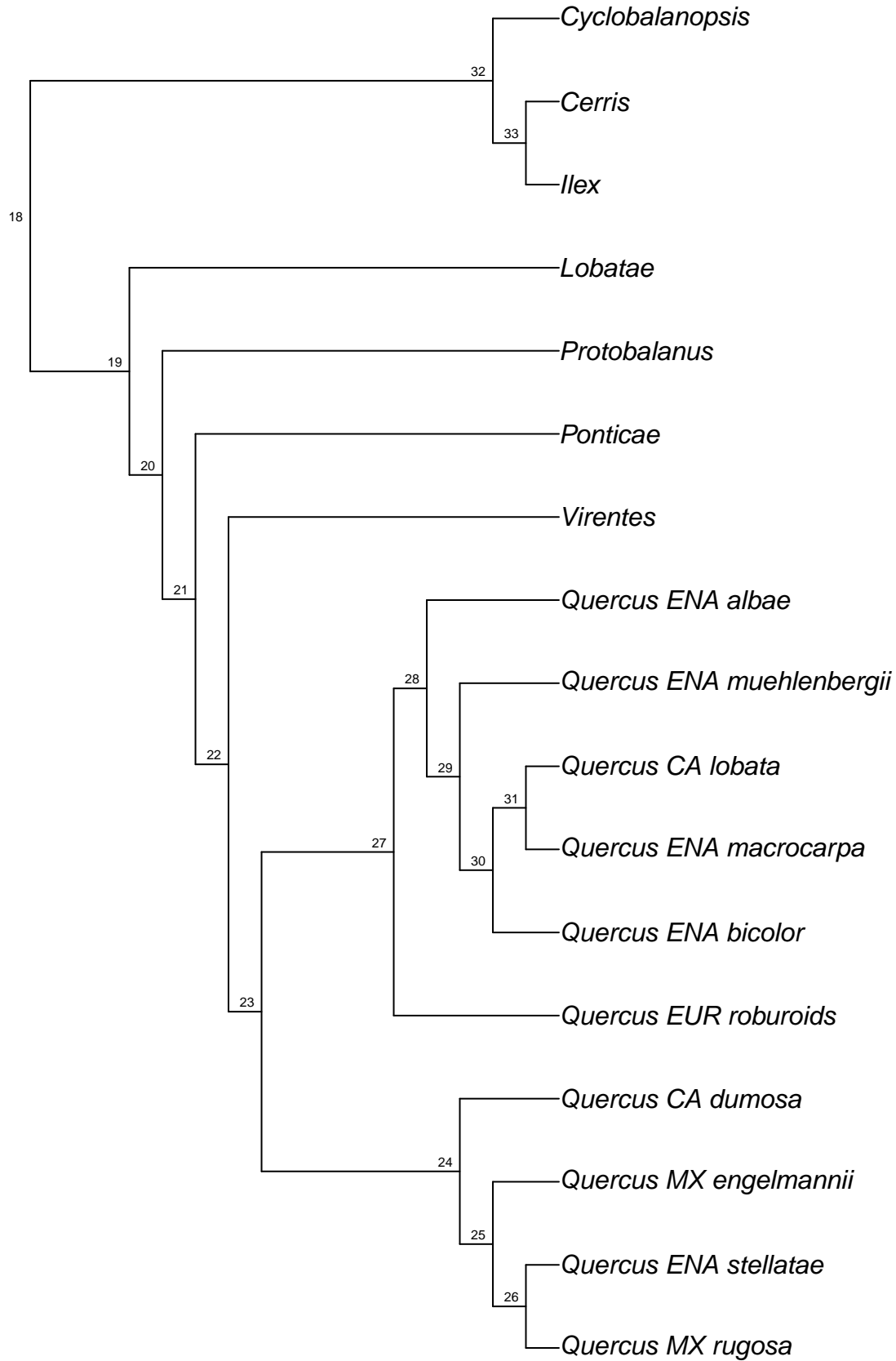
refRAD.ref\_longispica\_raxml.bt081



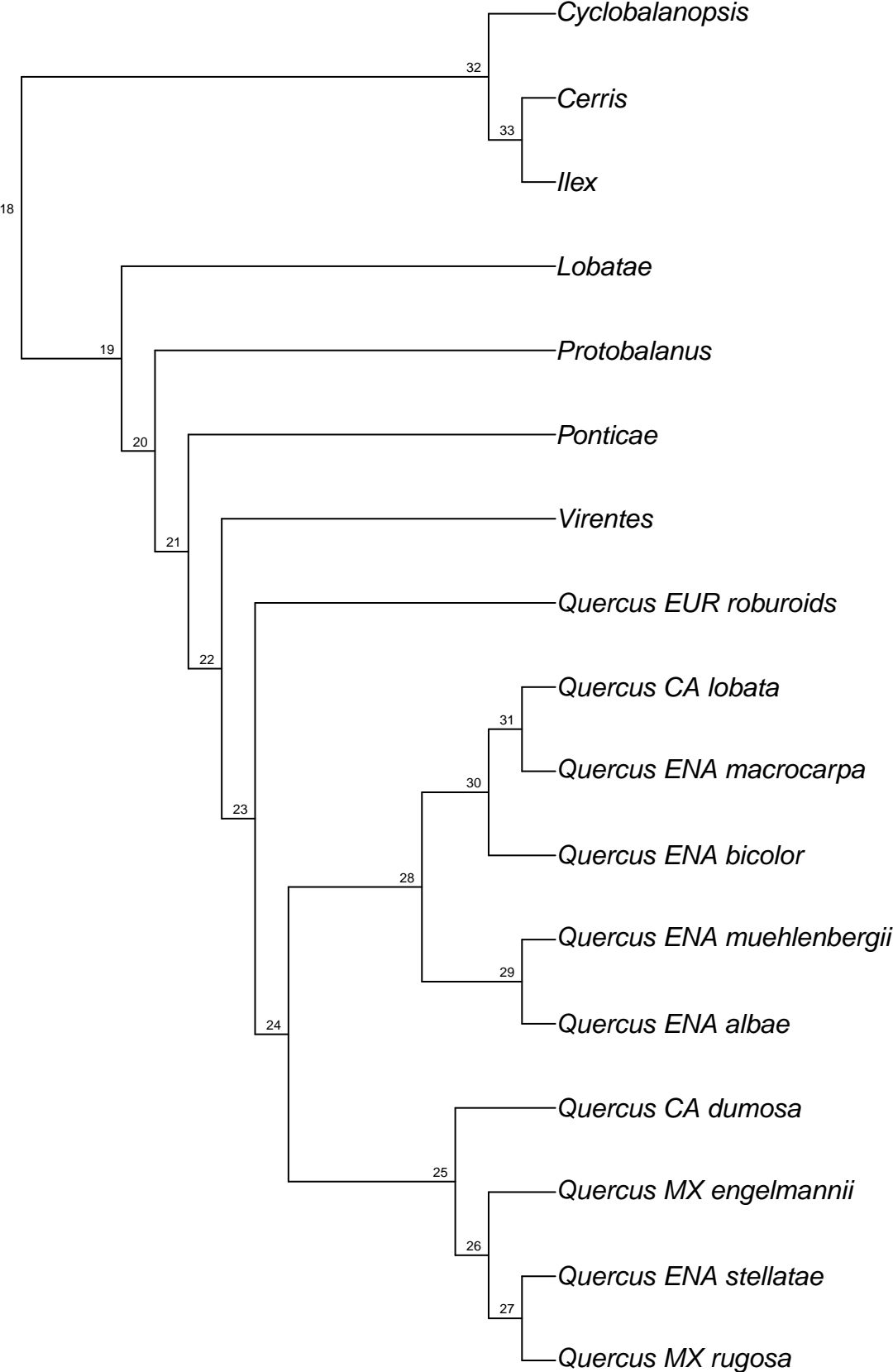
refRAD.ref\_longispica\_raxml.bt082



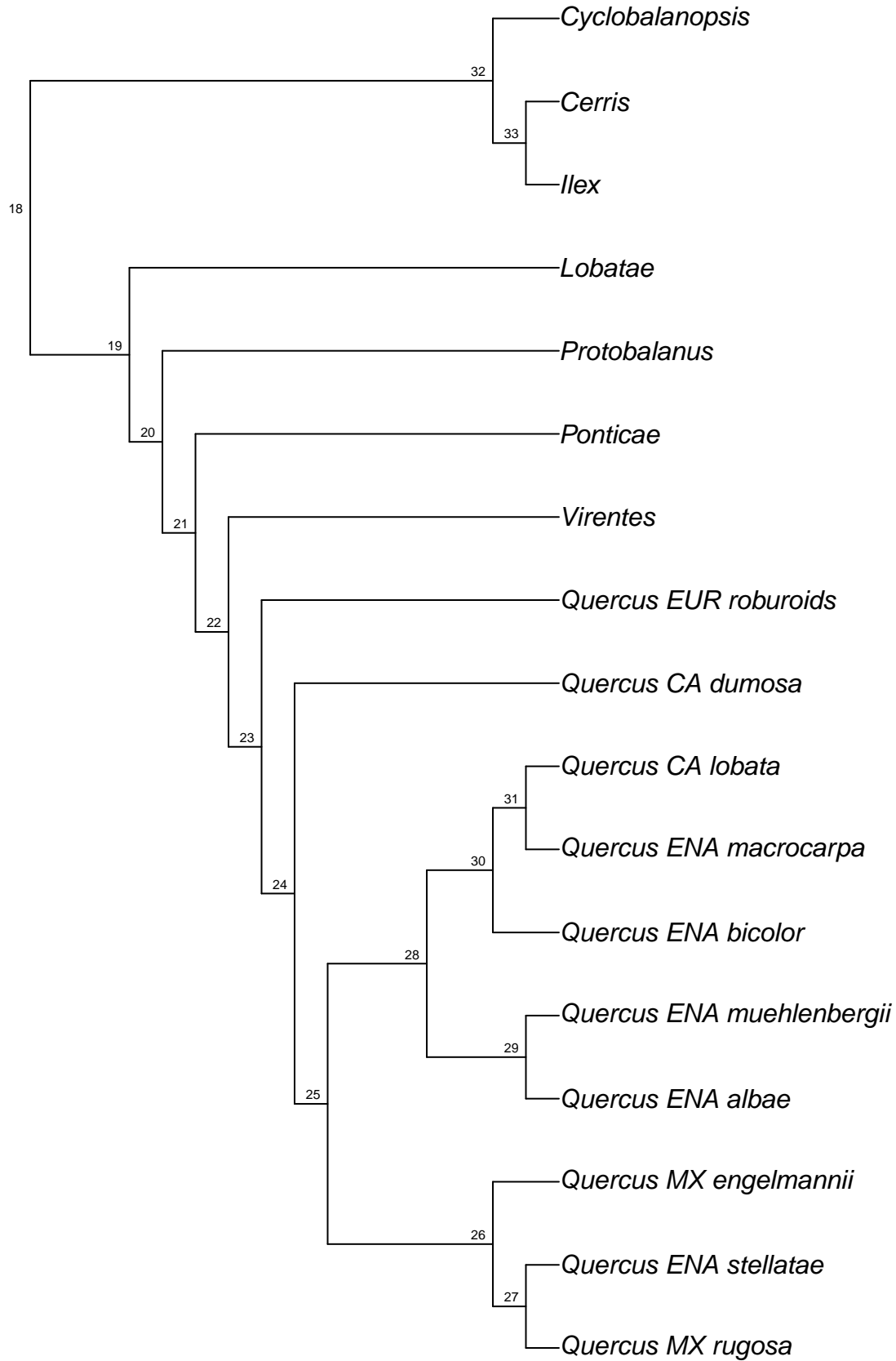
refRAD.ref\_longispica\_raxml.bt083



refRAD.ref\_longispica\_raxml.bt084

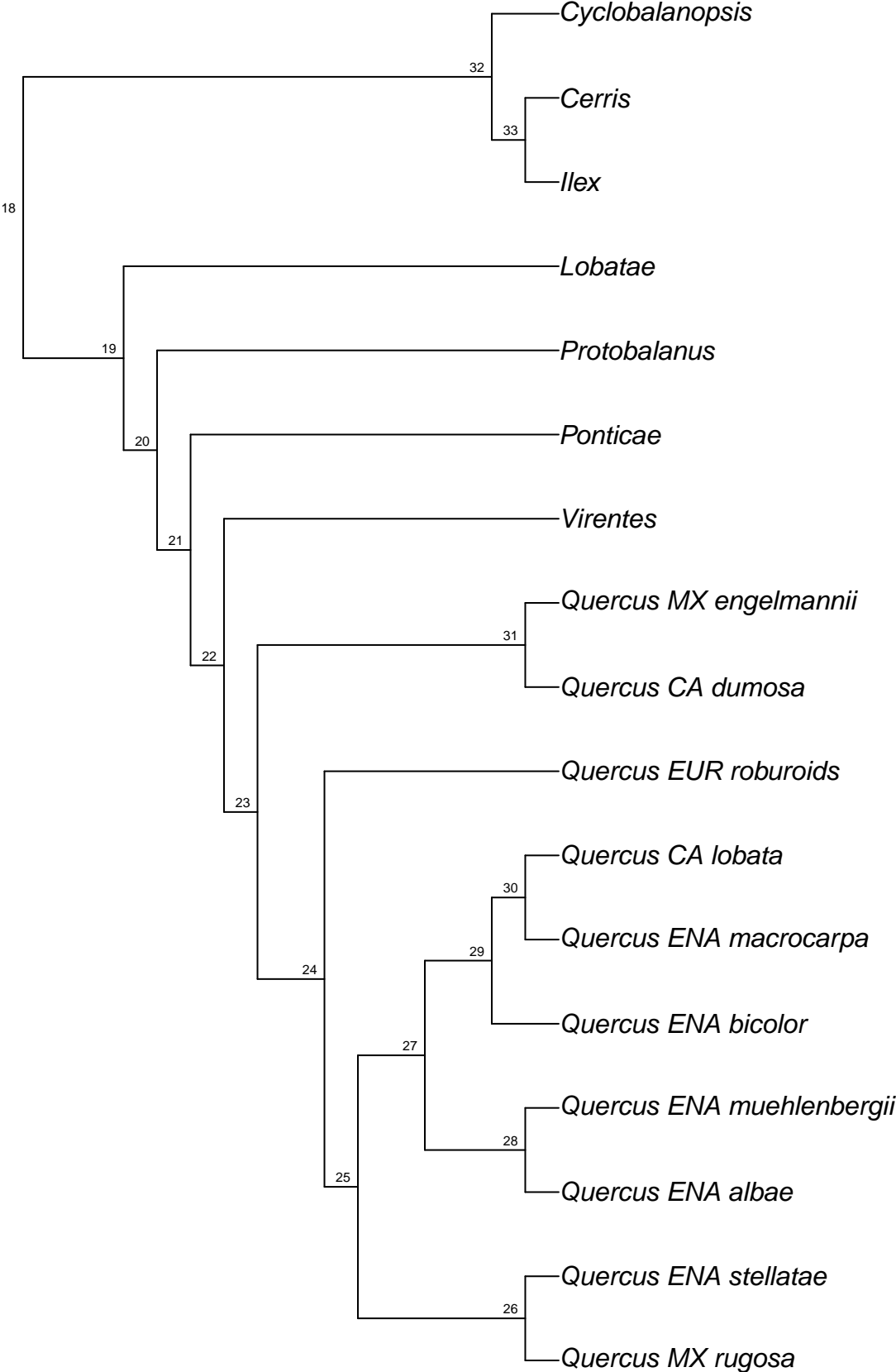


refRAD.ref\_longispica\_raxml.bt085

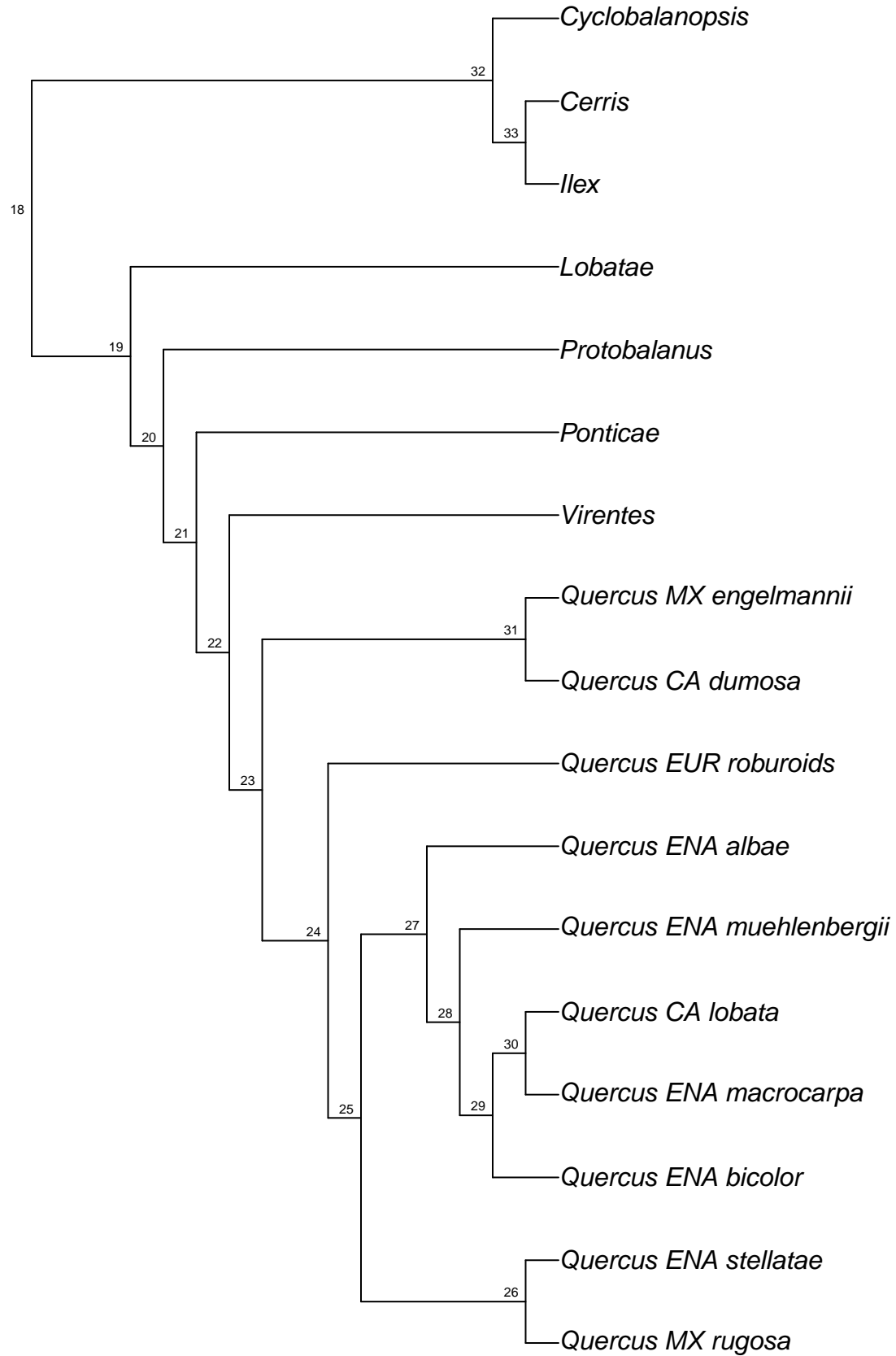




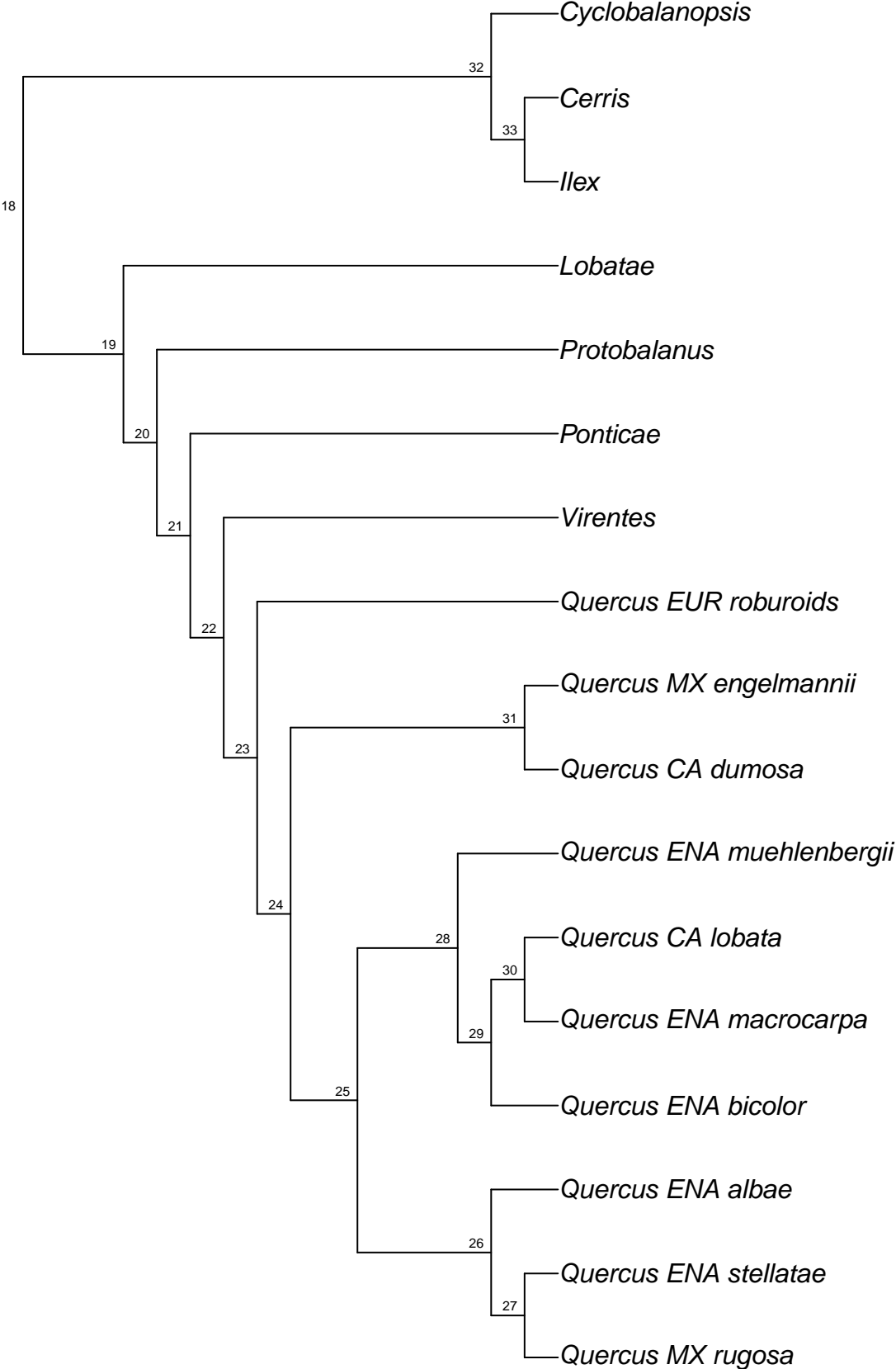
refRAD.ref\_longispica\_raxml.bt086



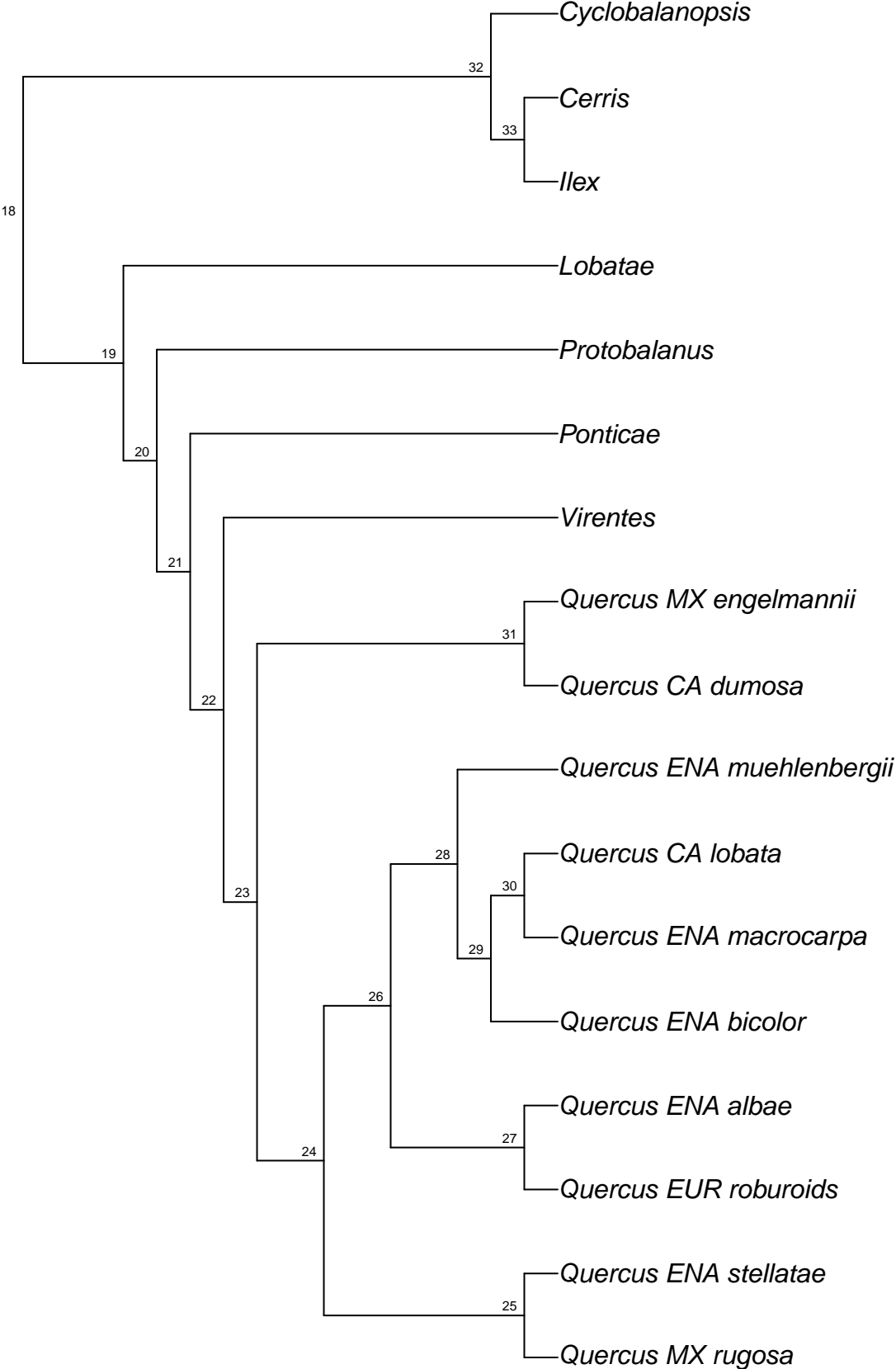
refRAD.ref\_longispica\_raxml.bt087



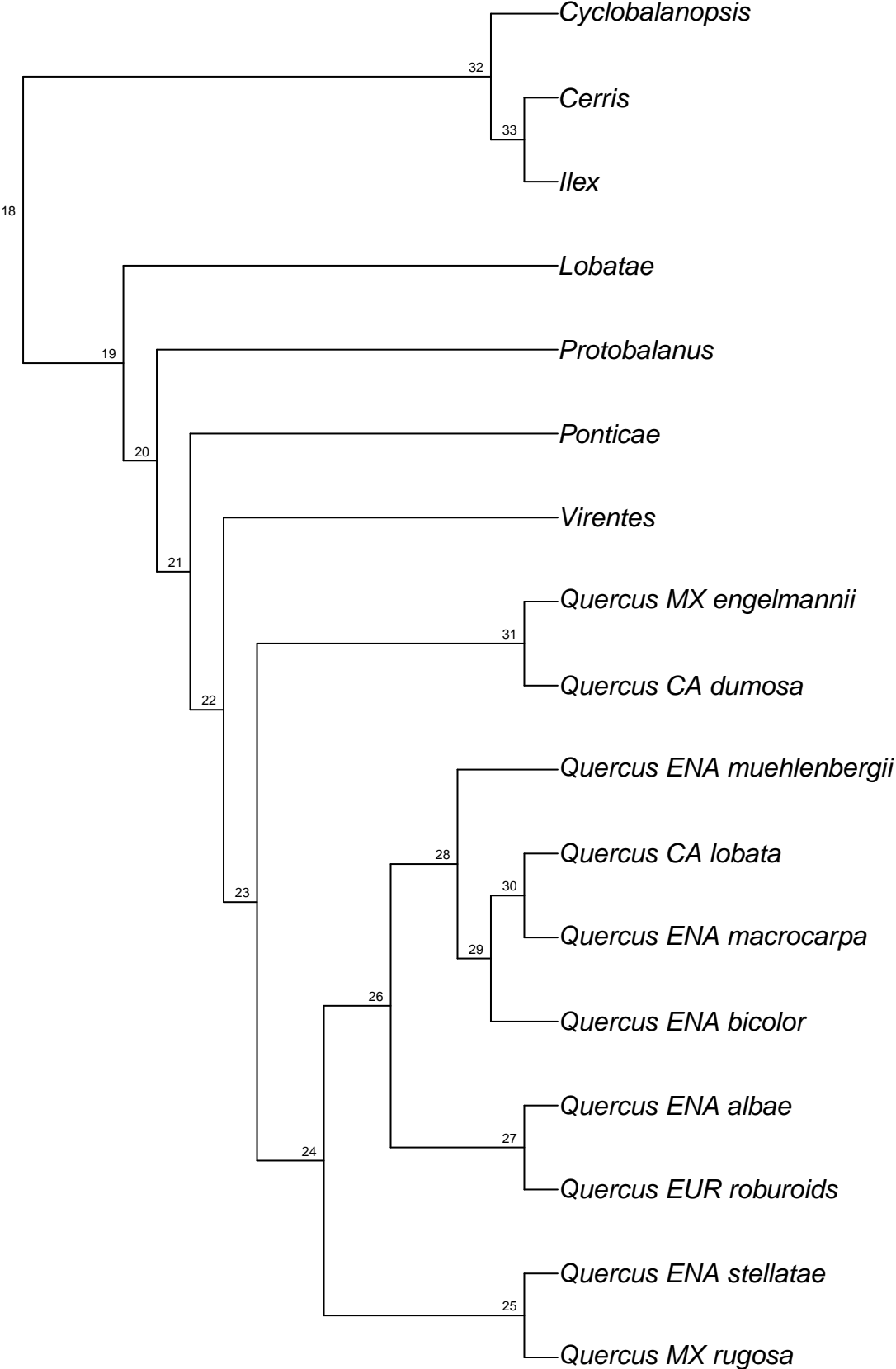
refRAD.ref\_longispica\_raxml.bt088



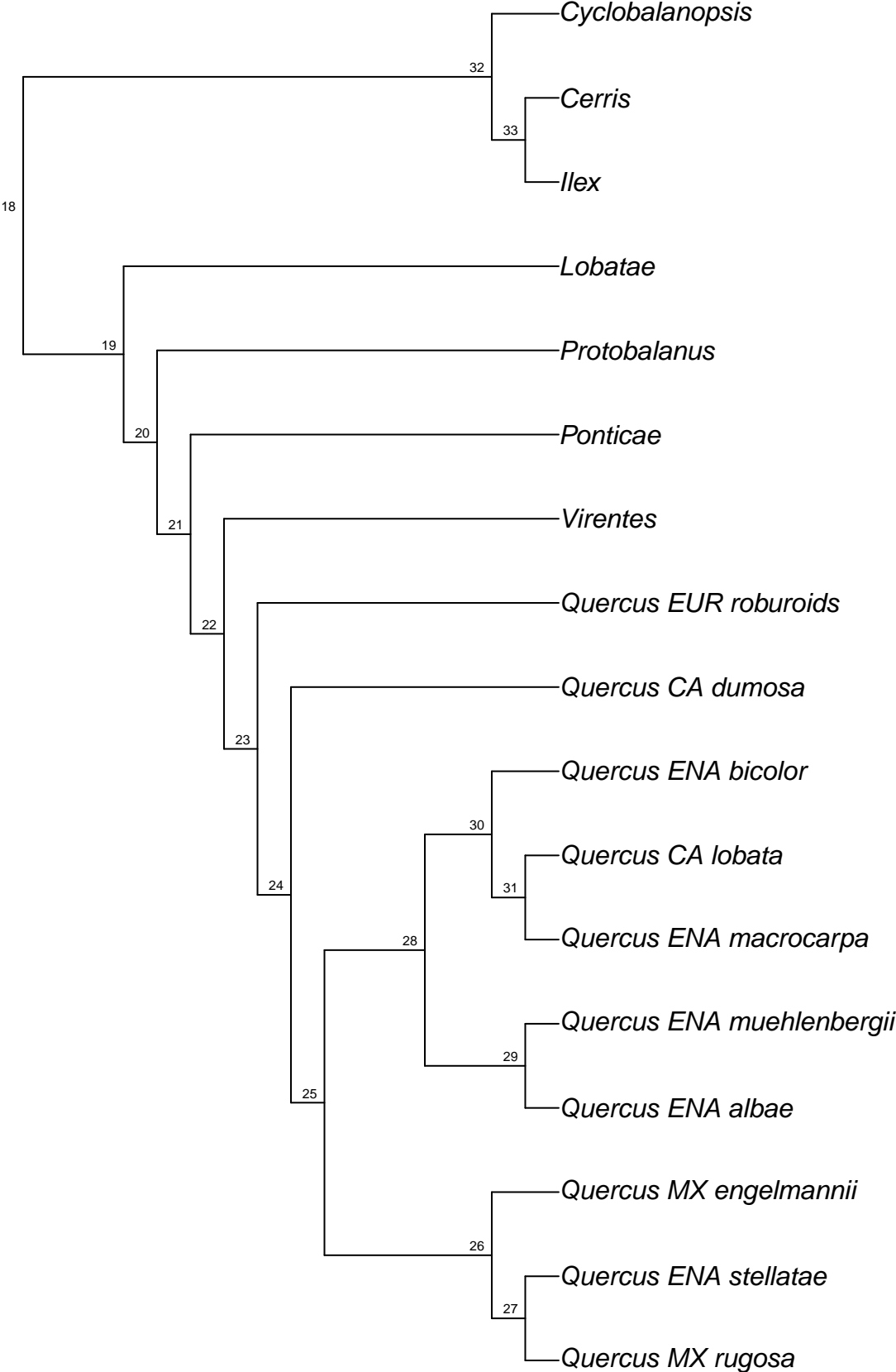
refRAD.ref\_longispica\_raxml.bt089



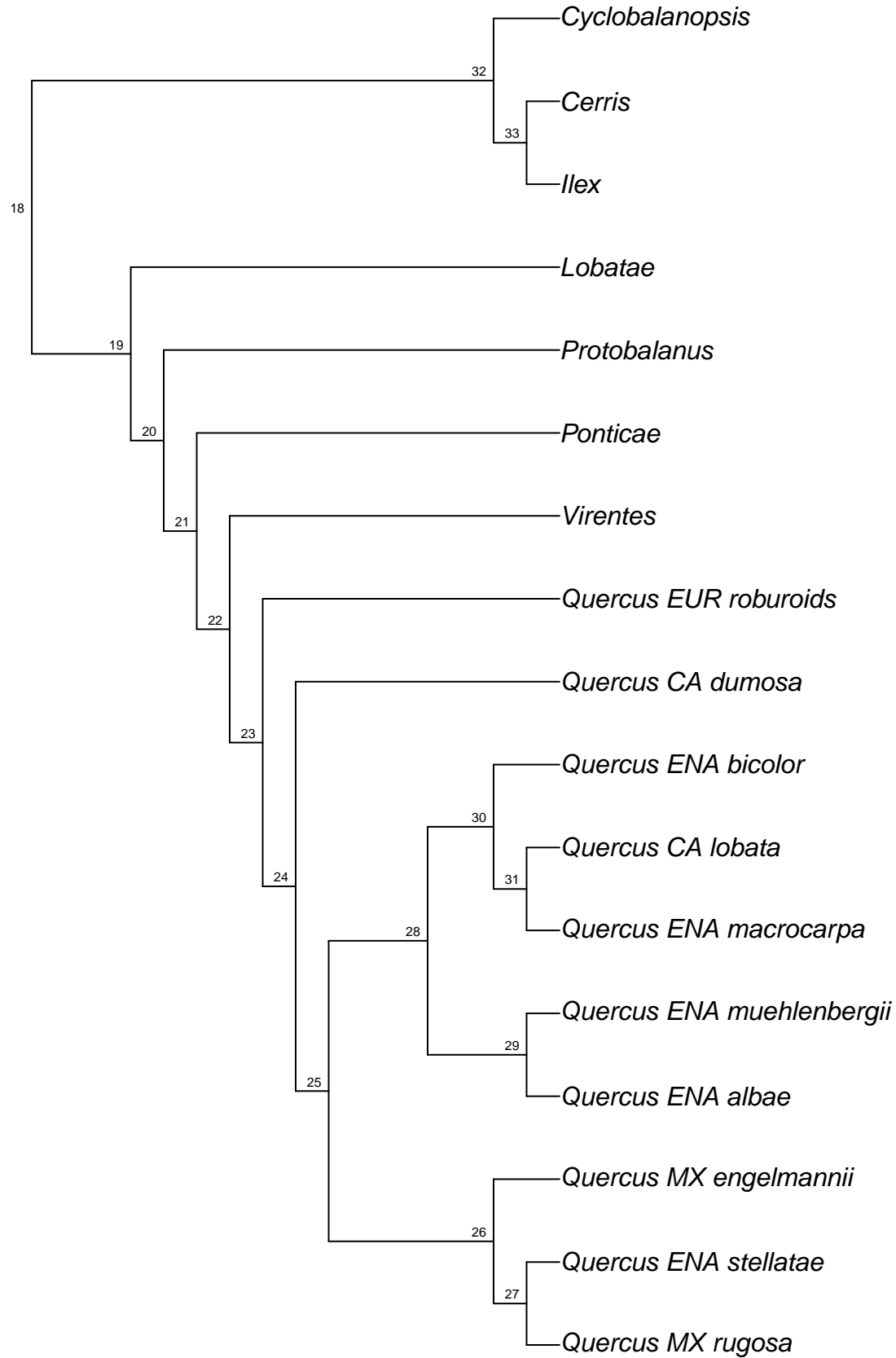
refRAD.ref\_longispica\_raxml.bt090



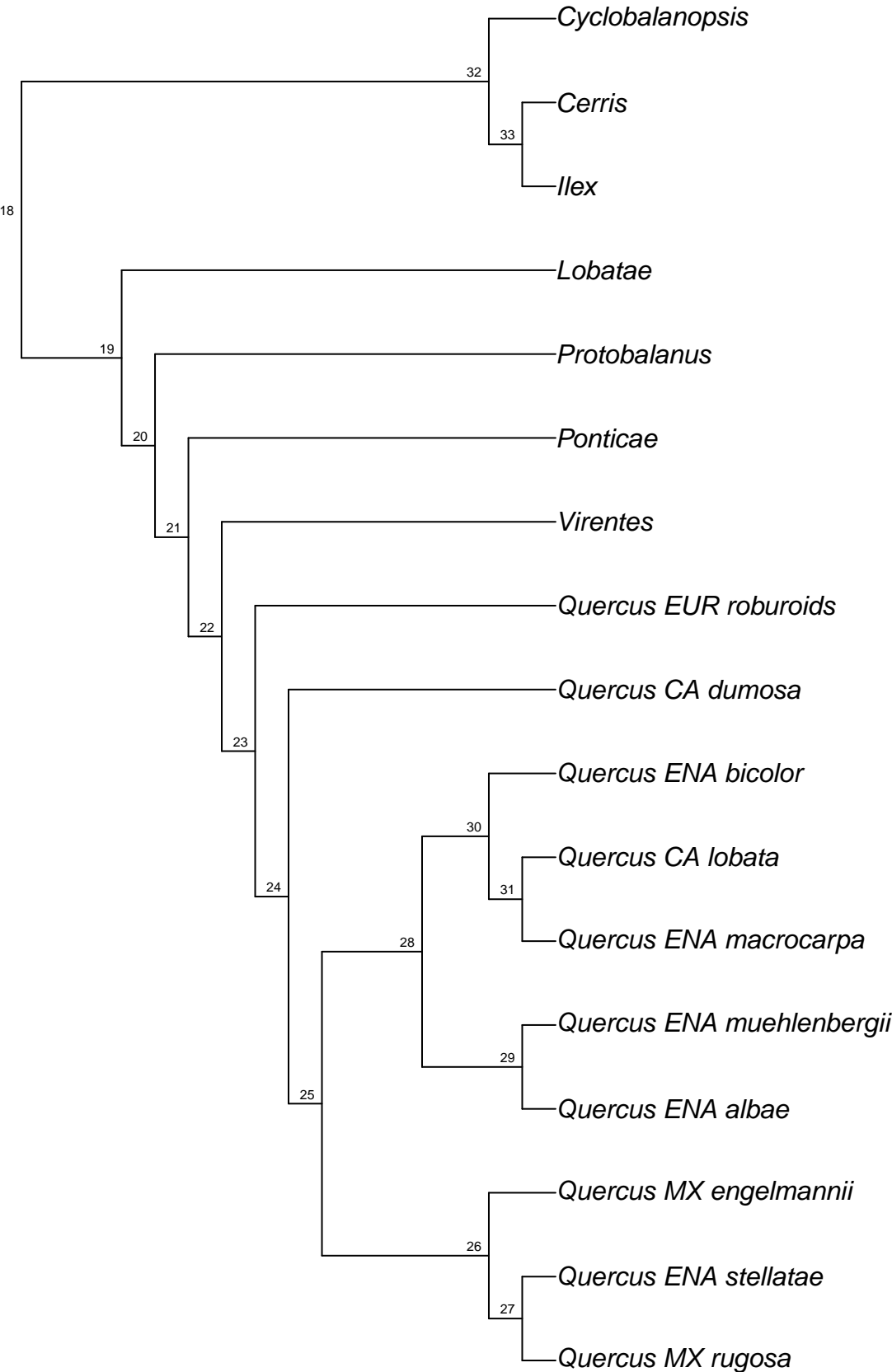
refRAD.ref\_longispica\_raxml.bt091



refRAD.ref\_longispica\_raxml.bt092

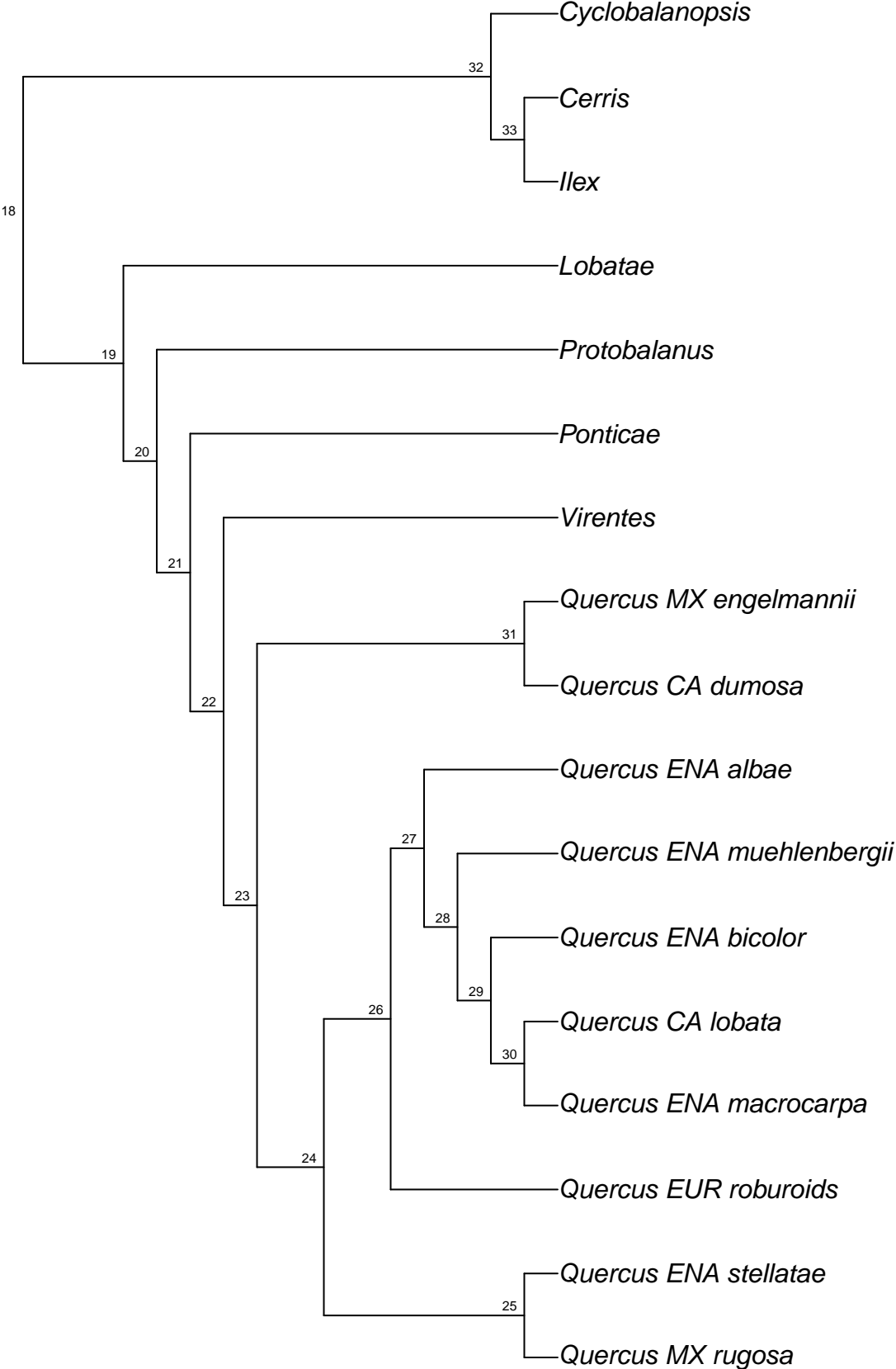


refRAD.ref\_longispica\_raxml.bt093

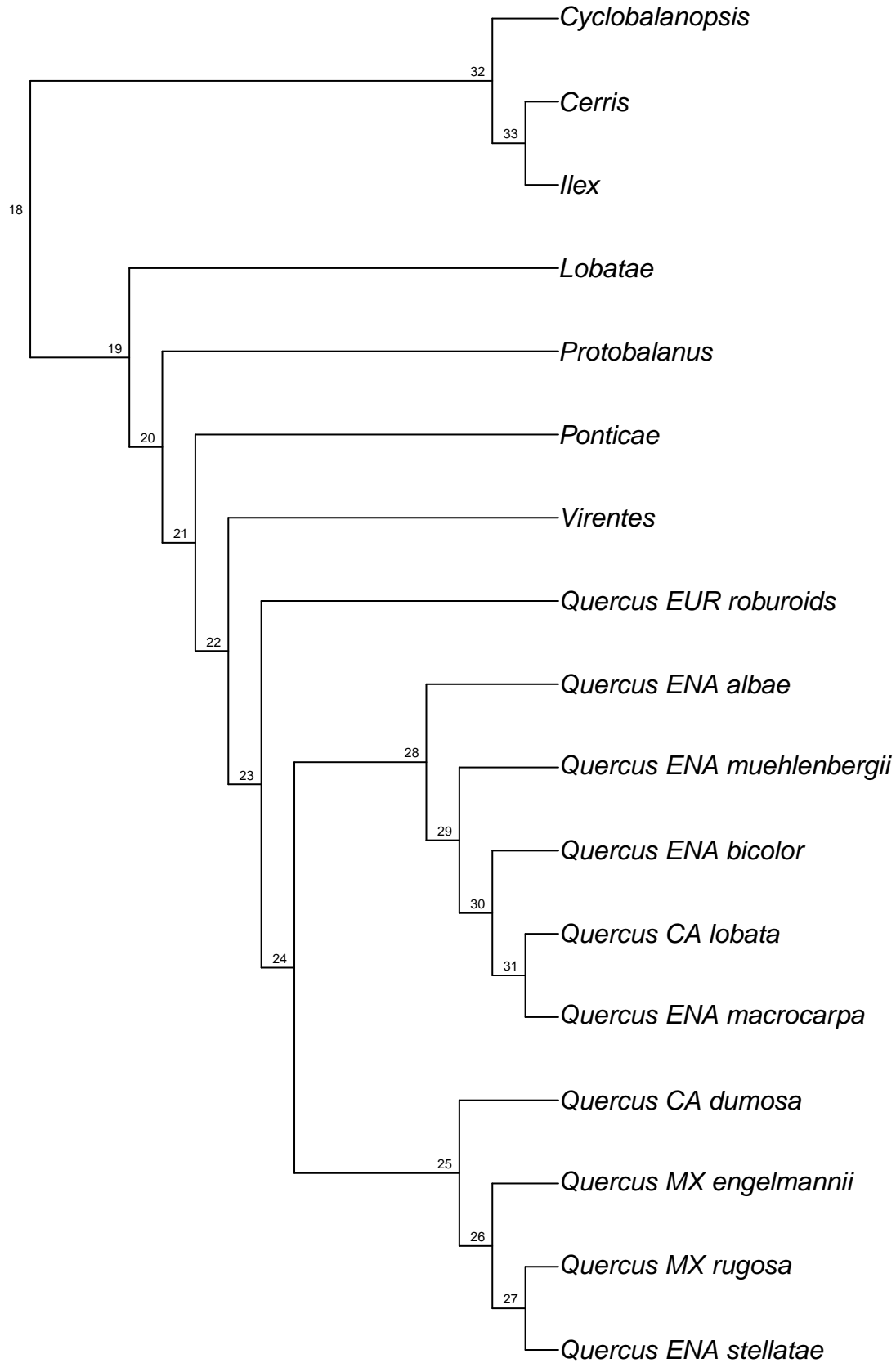




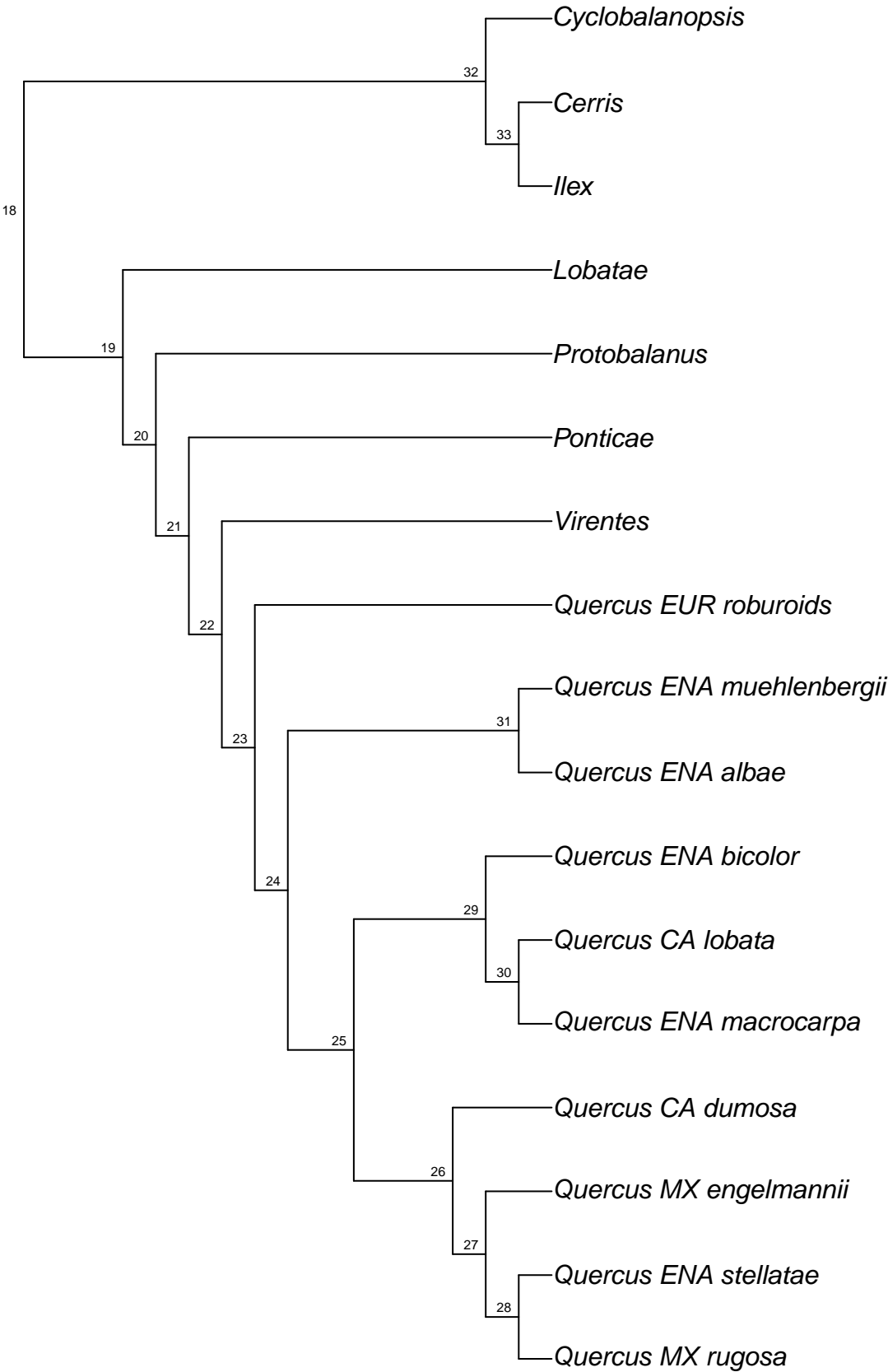
refRAD.ref\_longispica\_raxml.bt094



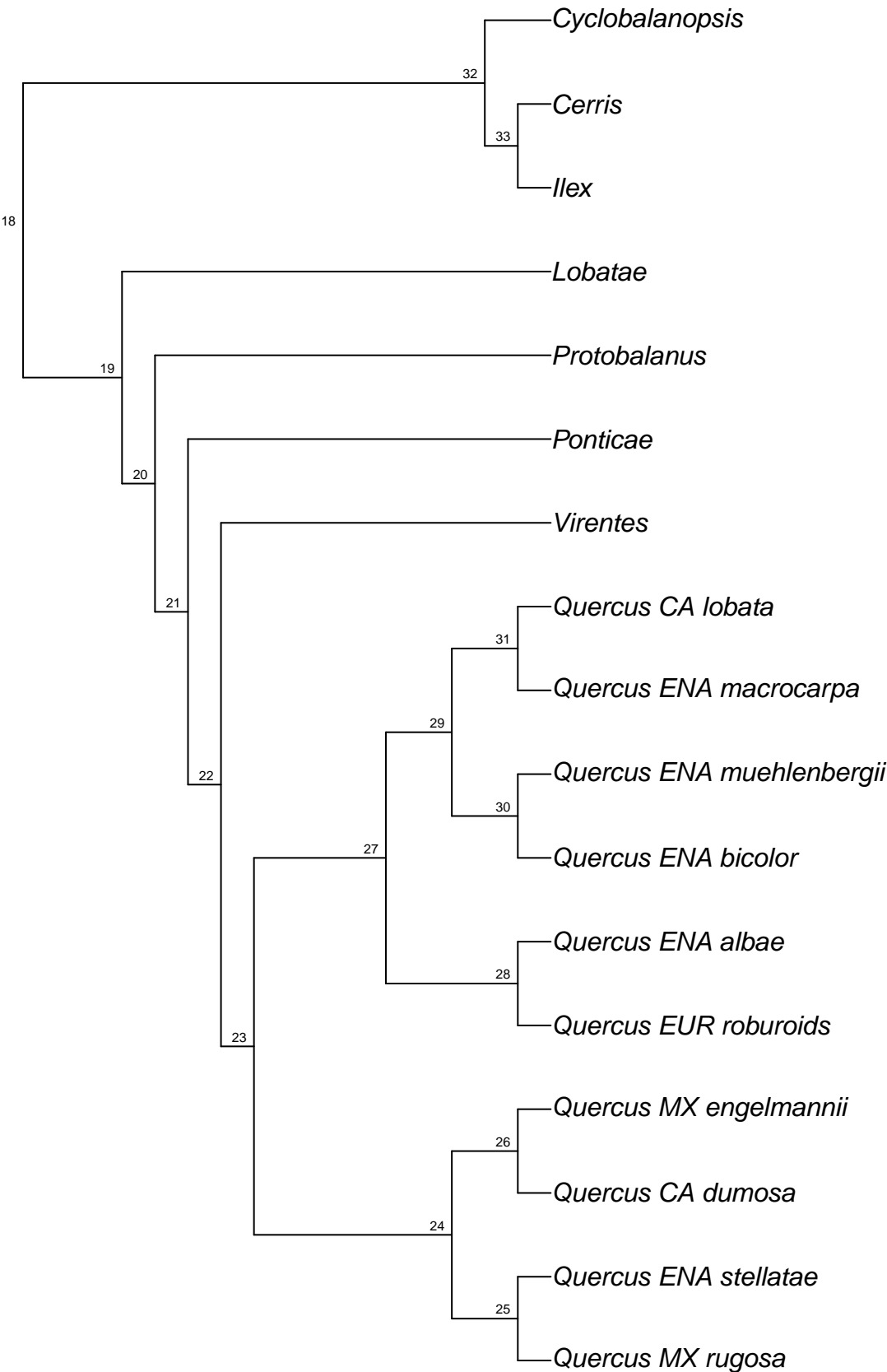
refRAD.ref\_longispica\_raxml.bt095



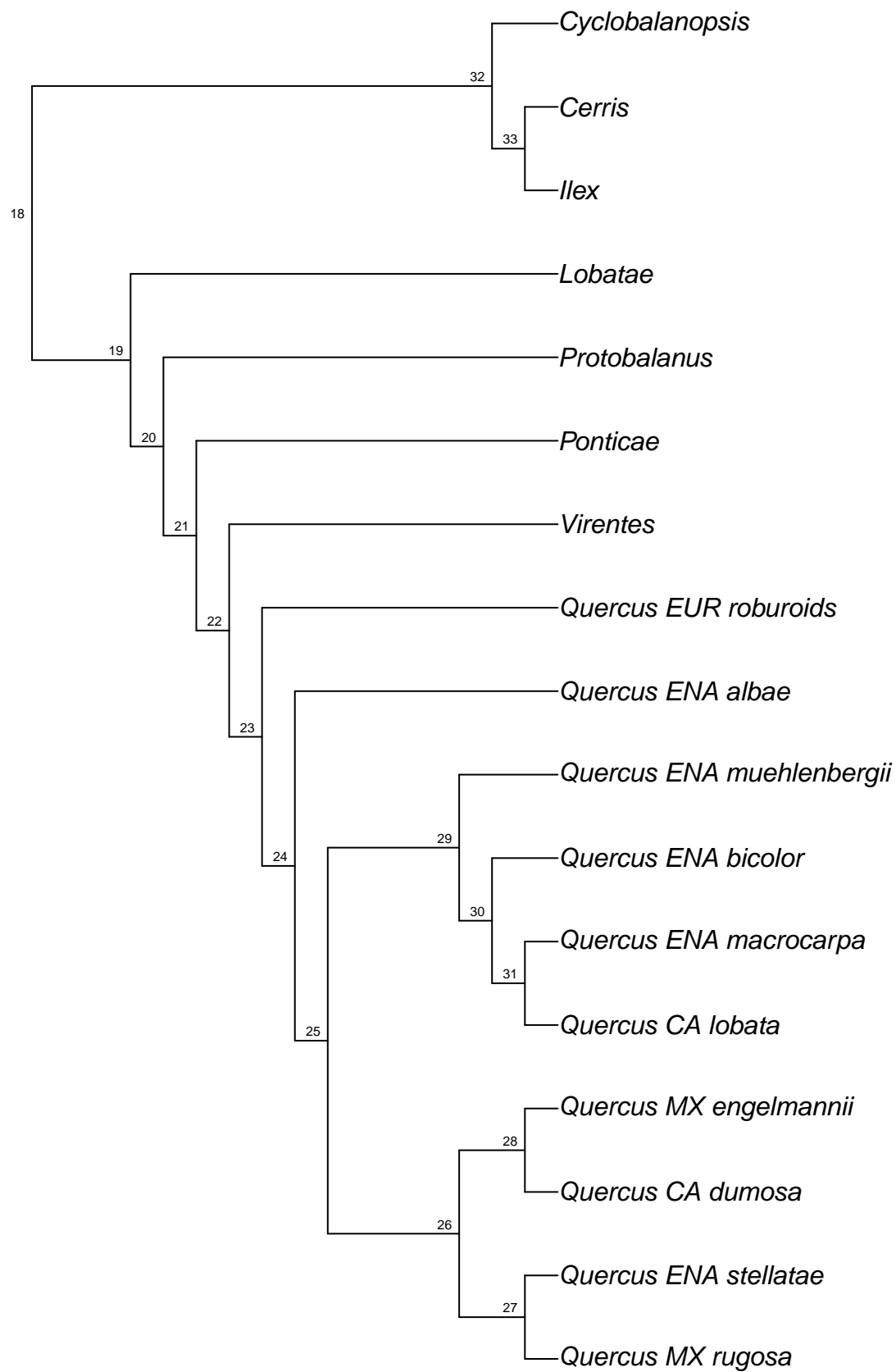
refRAD.ref\_longispica\_raxml.bt096



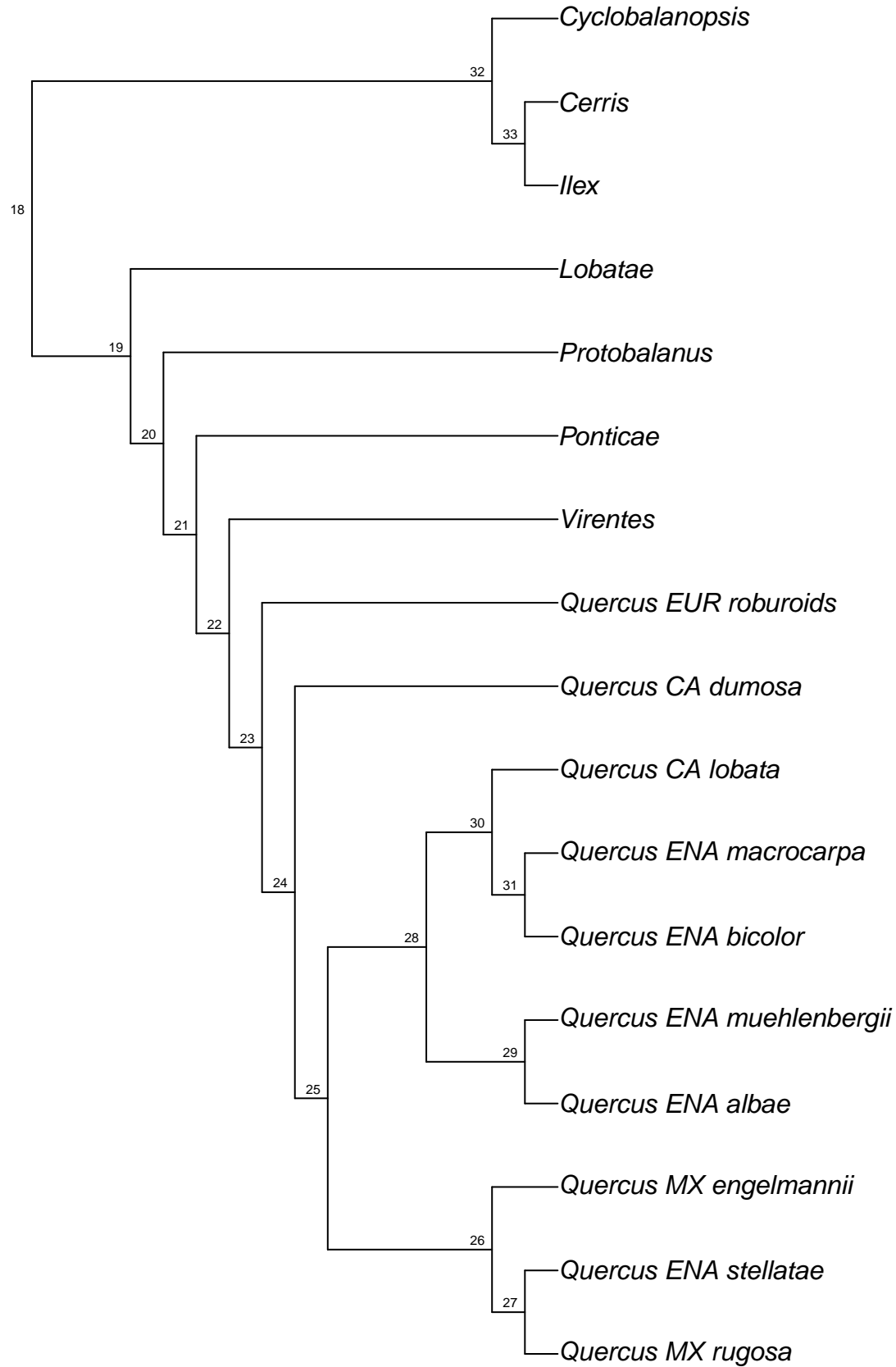
refRAD.ref\_longispica\_raxml.bt097



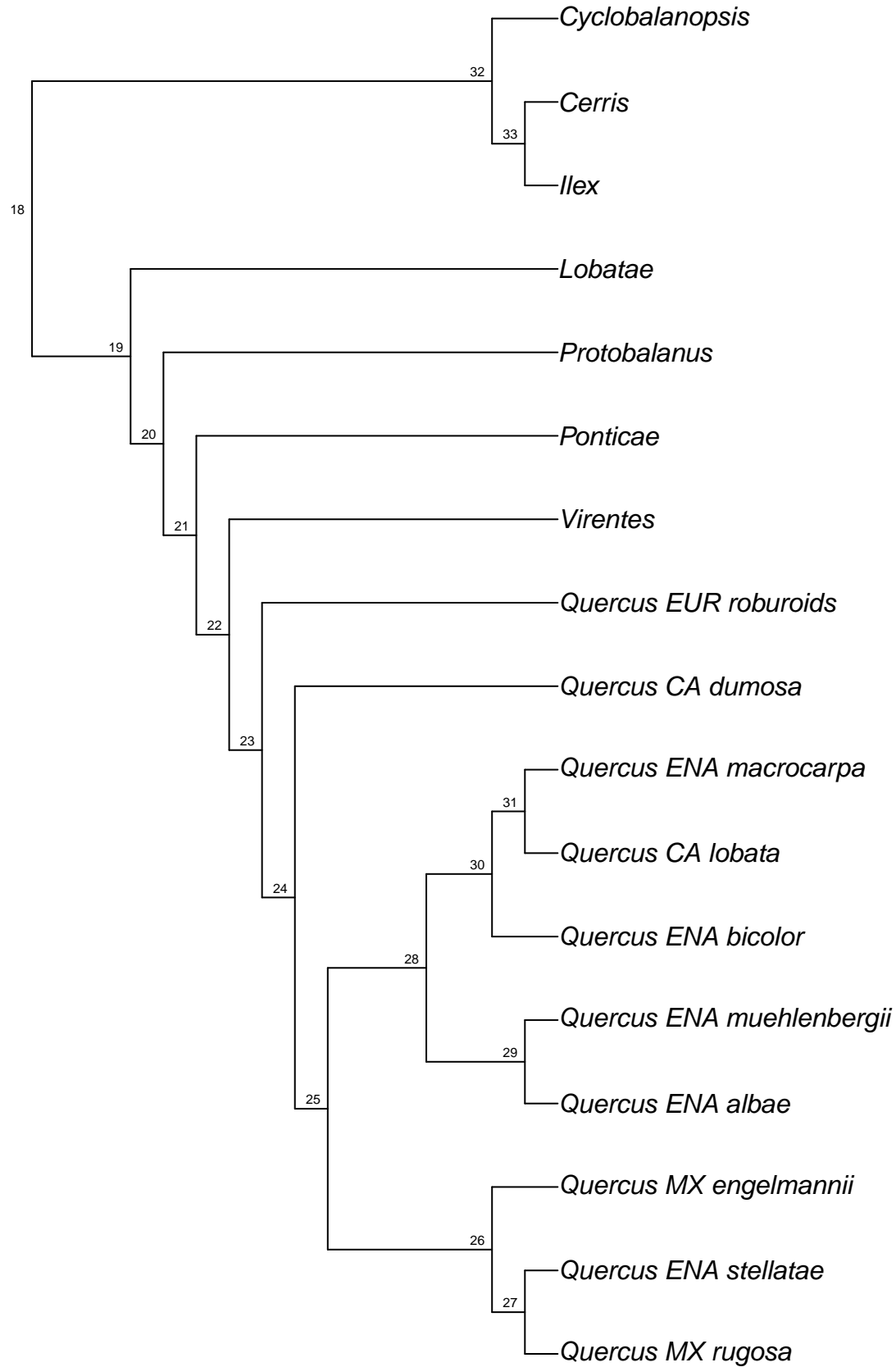
## refRAD.ref\_longispica\_raxml.bt098



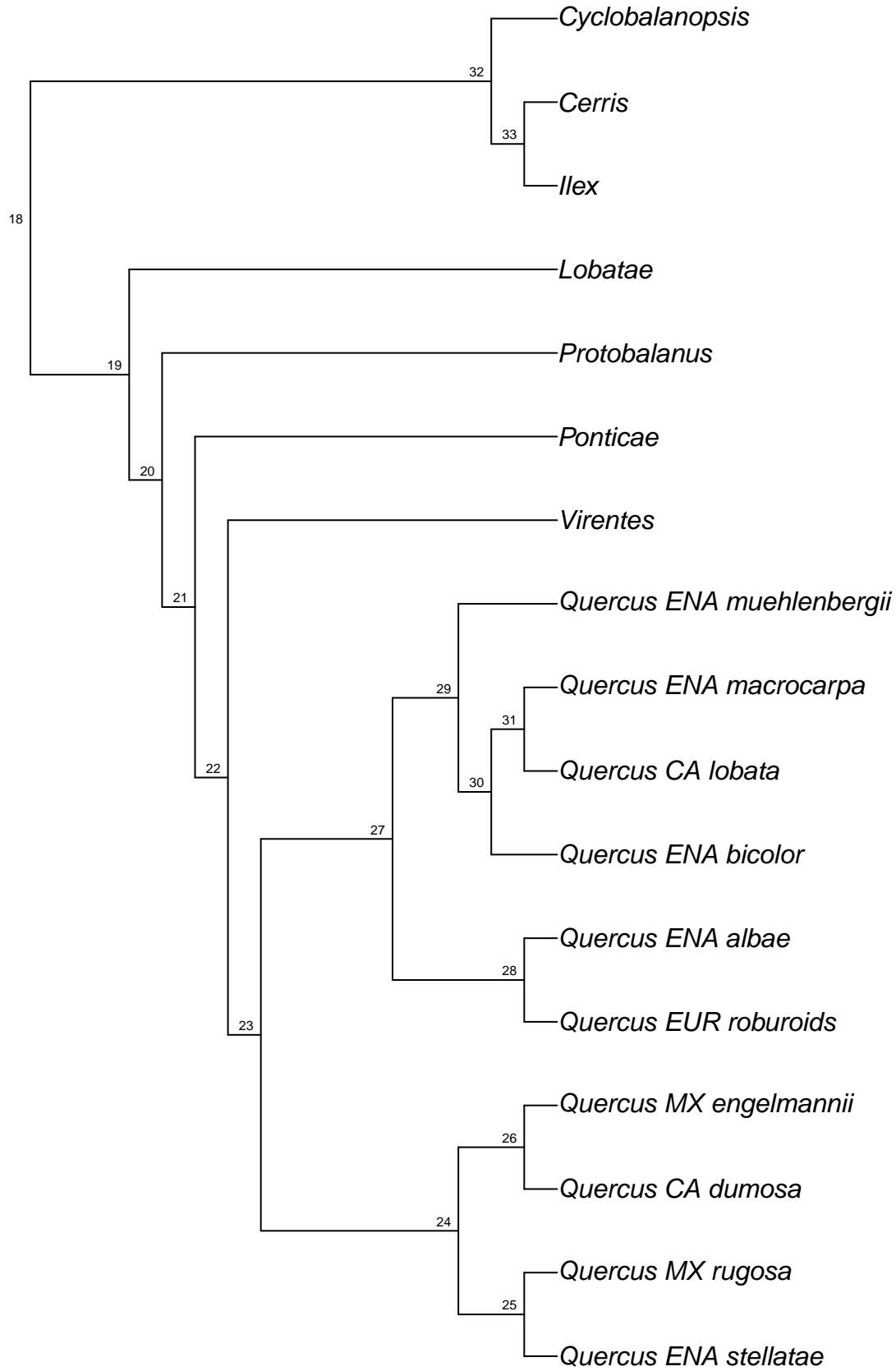
refRAD.ref\_longispica\_raxml.bt099



refRAD.ref\_longispica\_raxml.bt100

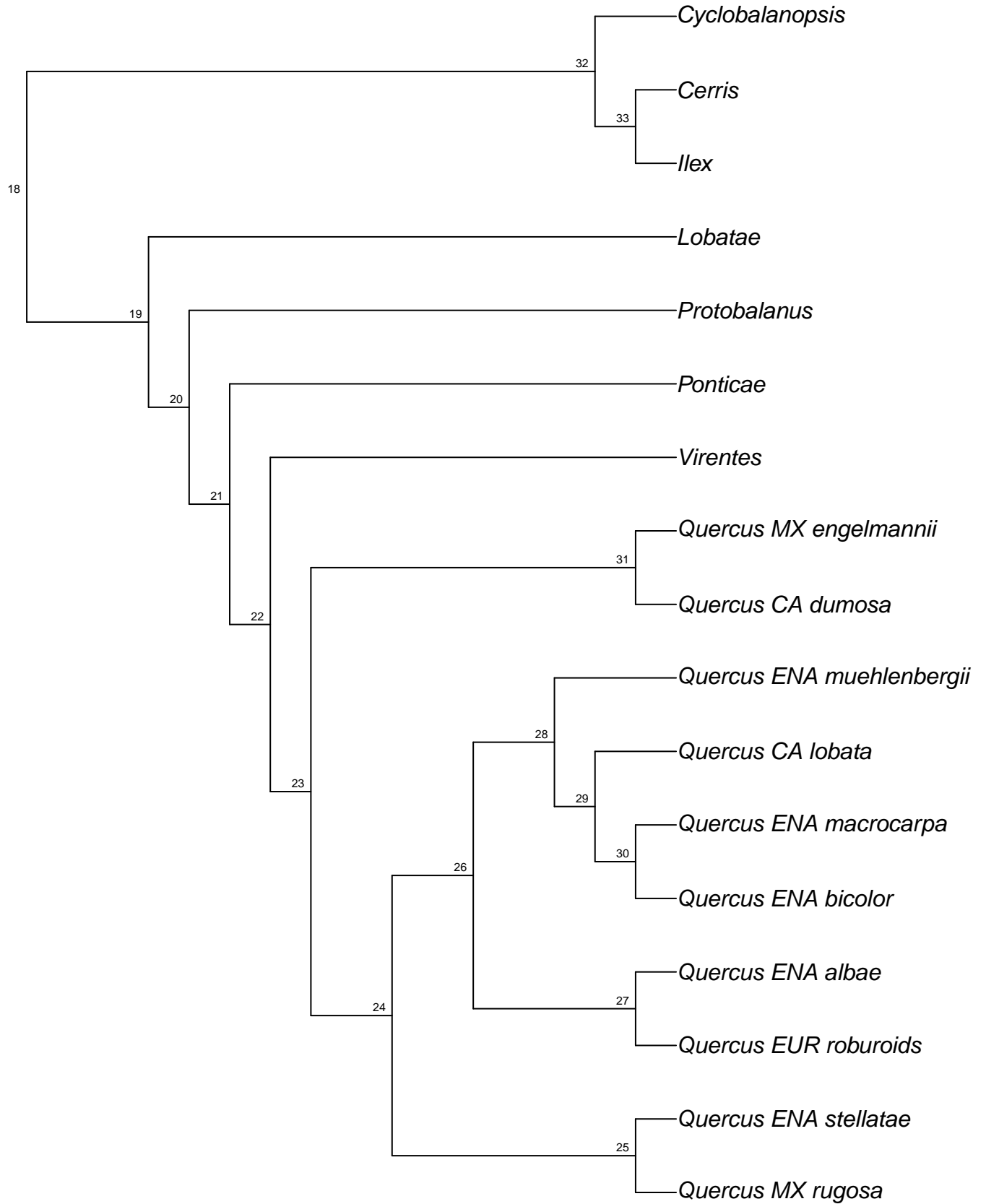


refRAD.ref\_rubra\_raxml.bt001

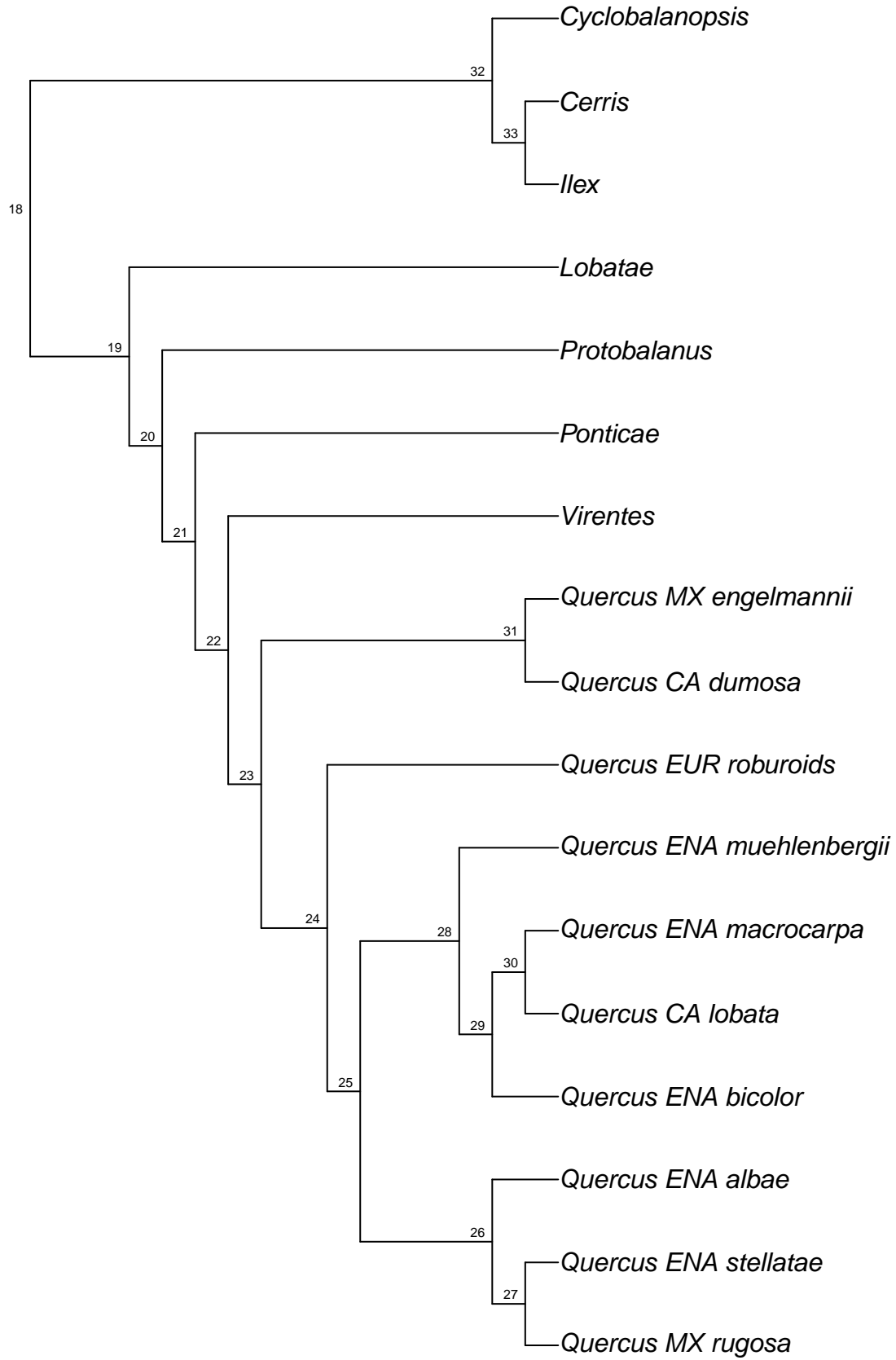




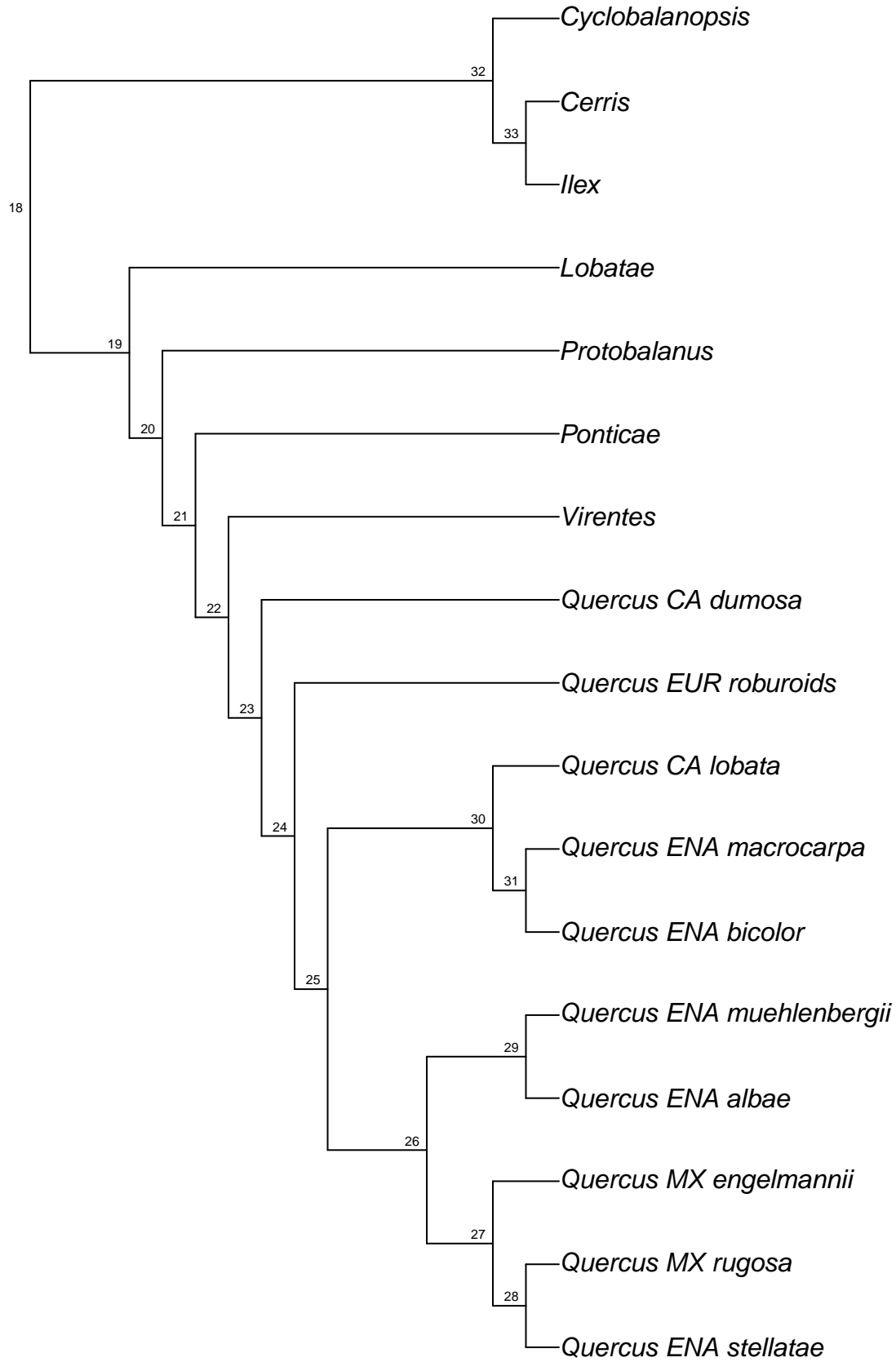
refRAD.ref\_rubra\_raxml.bt002



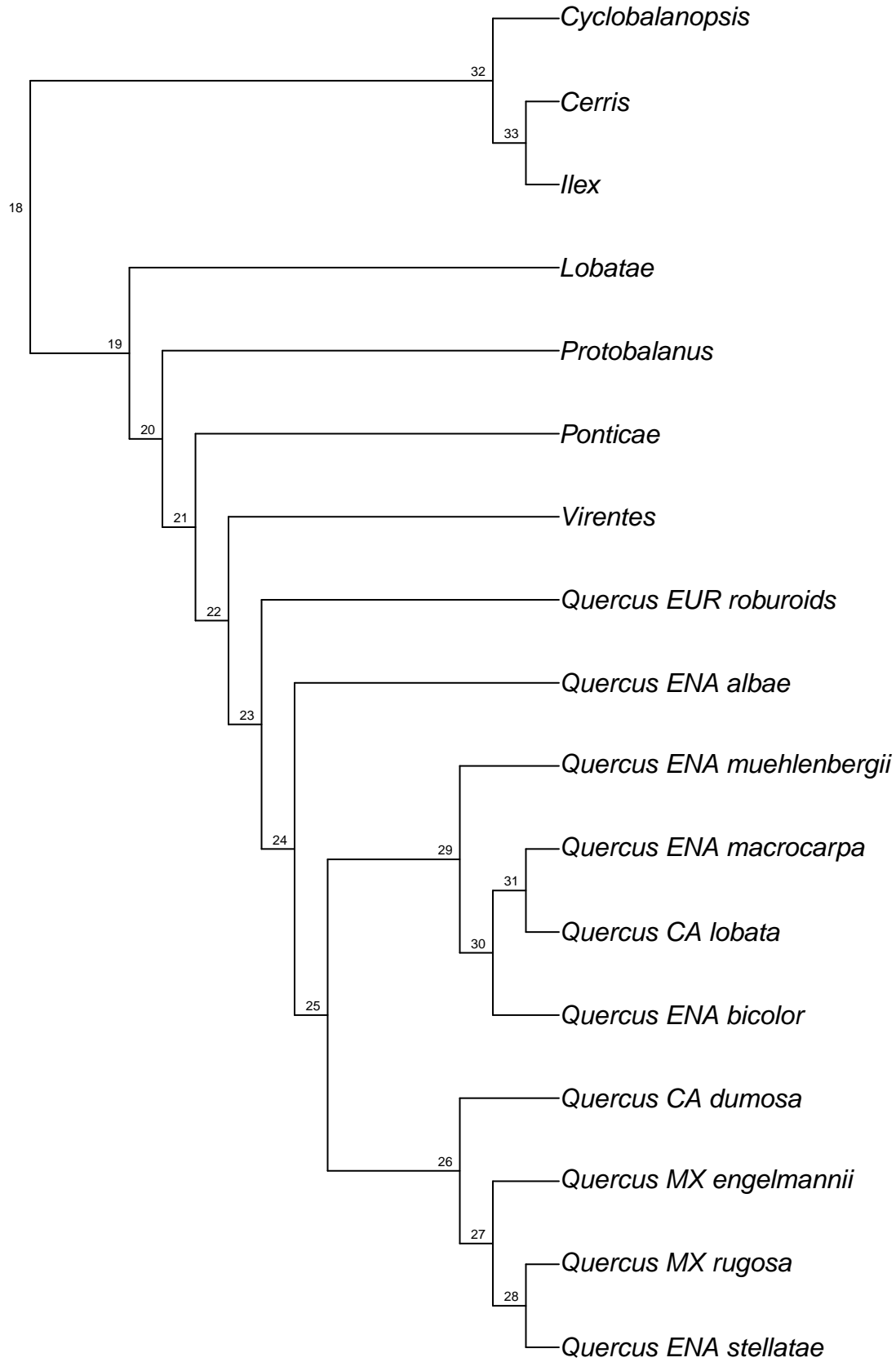
refRAD.ref\_rubra\_raxml.bt003



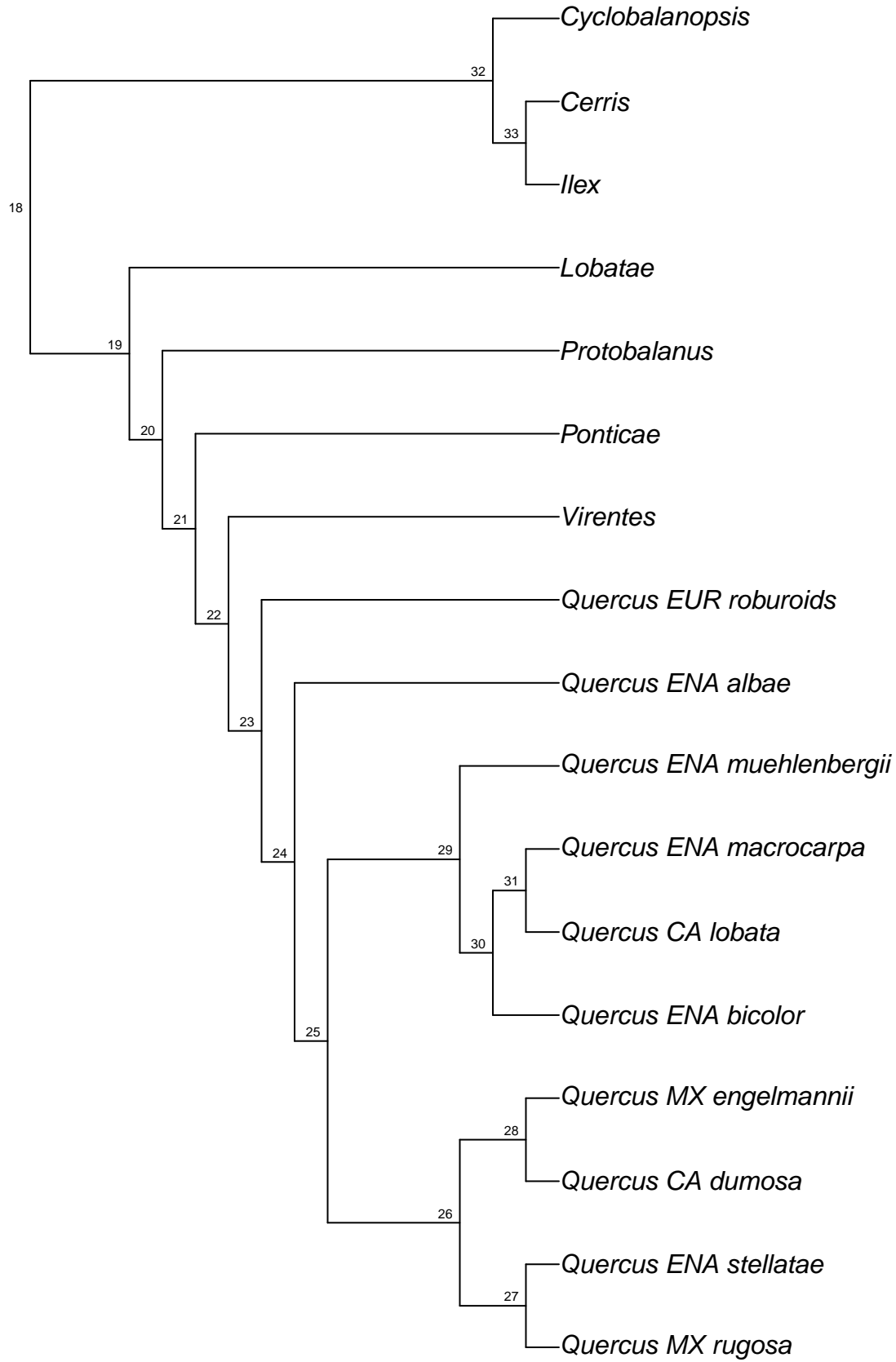
refRAD.ref\_rubra\_raxml.bt004



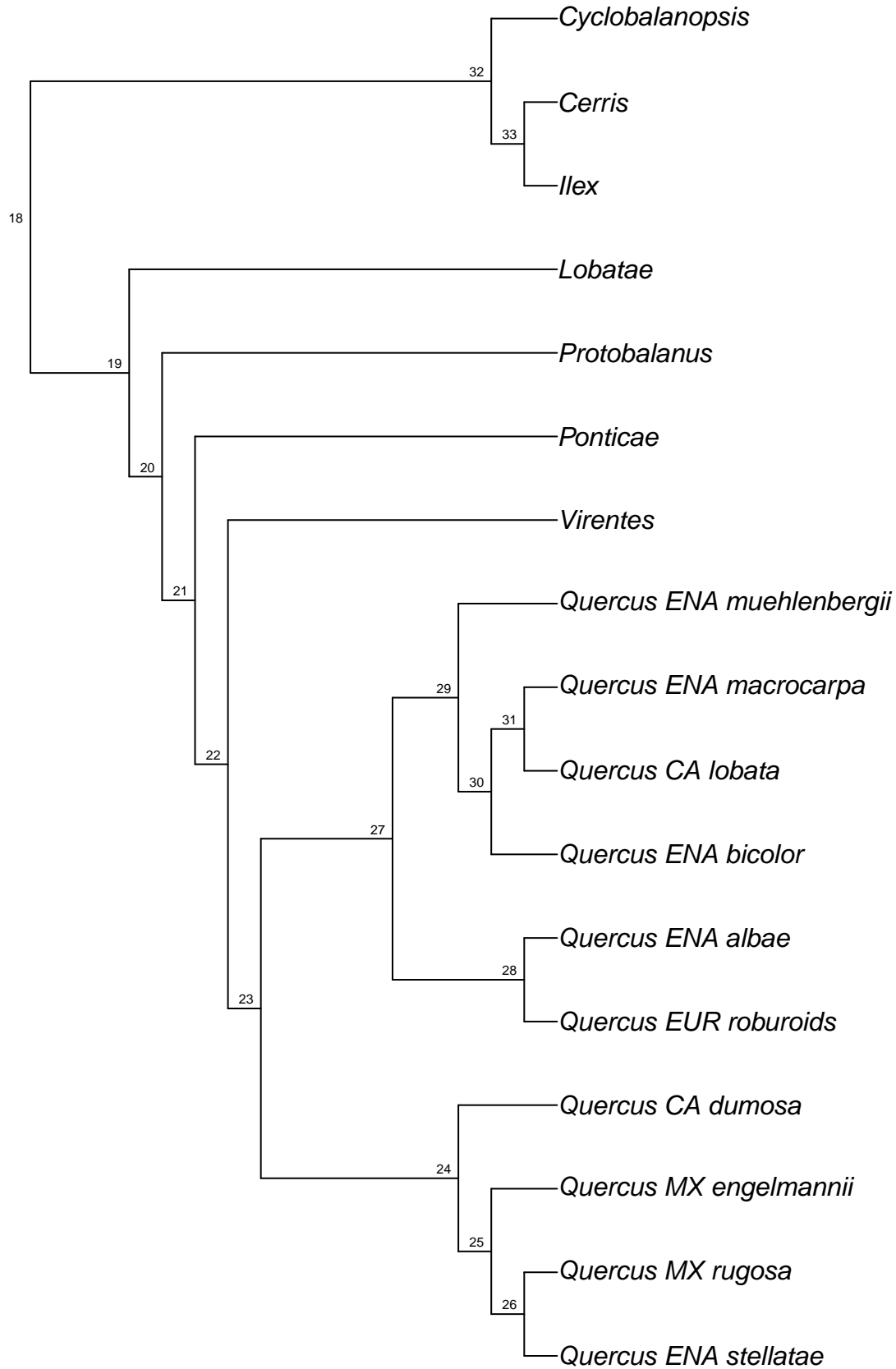
refRAD.ref\_rubra\_raxml.bt005



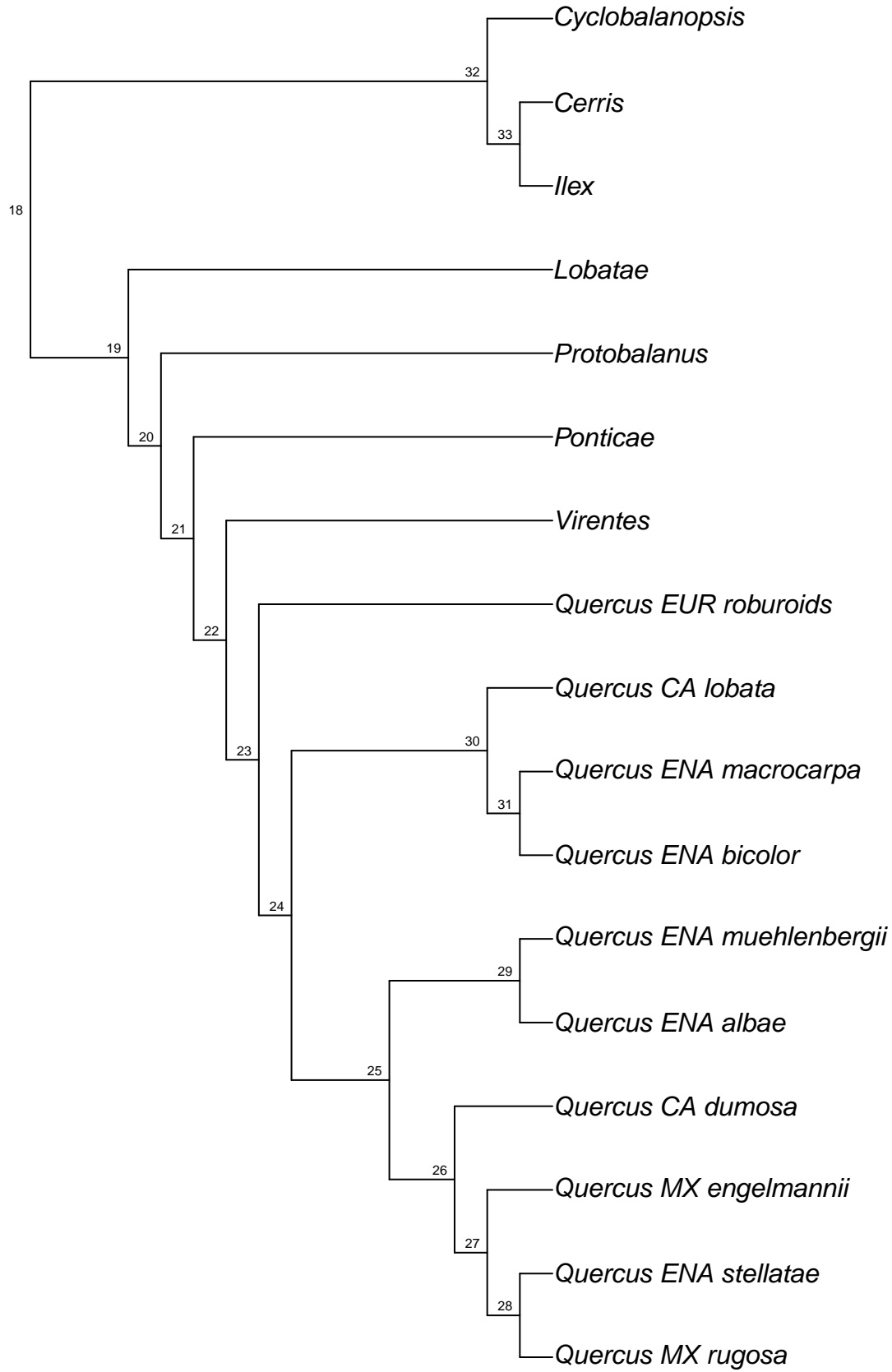
refRAD.ref\_rubra\_raxml.bt006



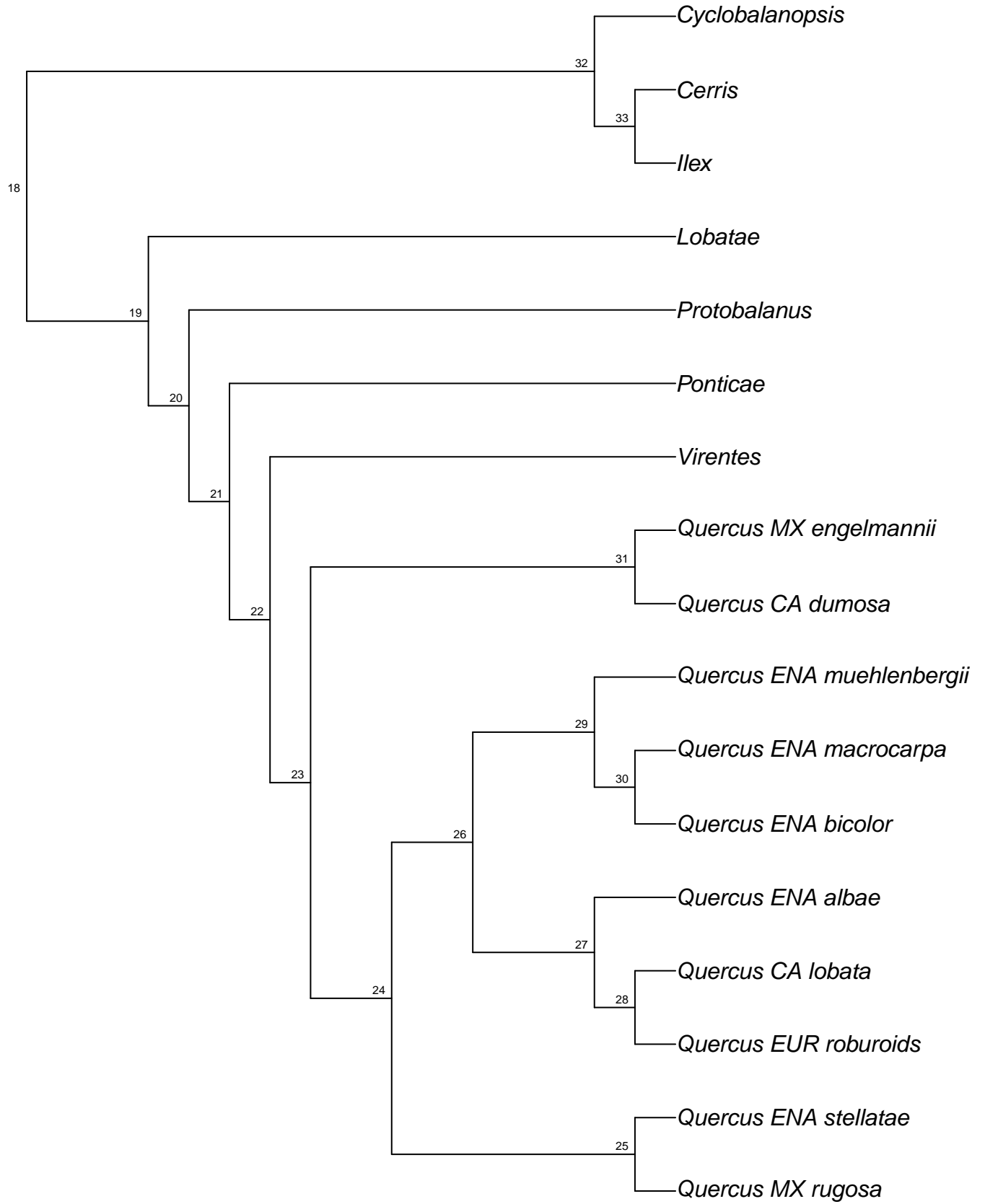
refRAD.ref\_rubra\_raxml.bt007



refRAD.ref\_rubra\_raxml.bt008

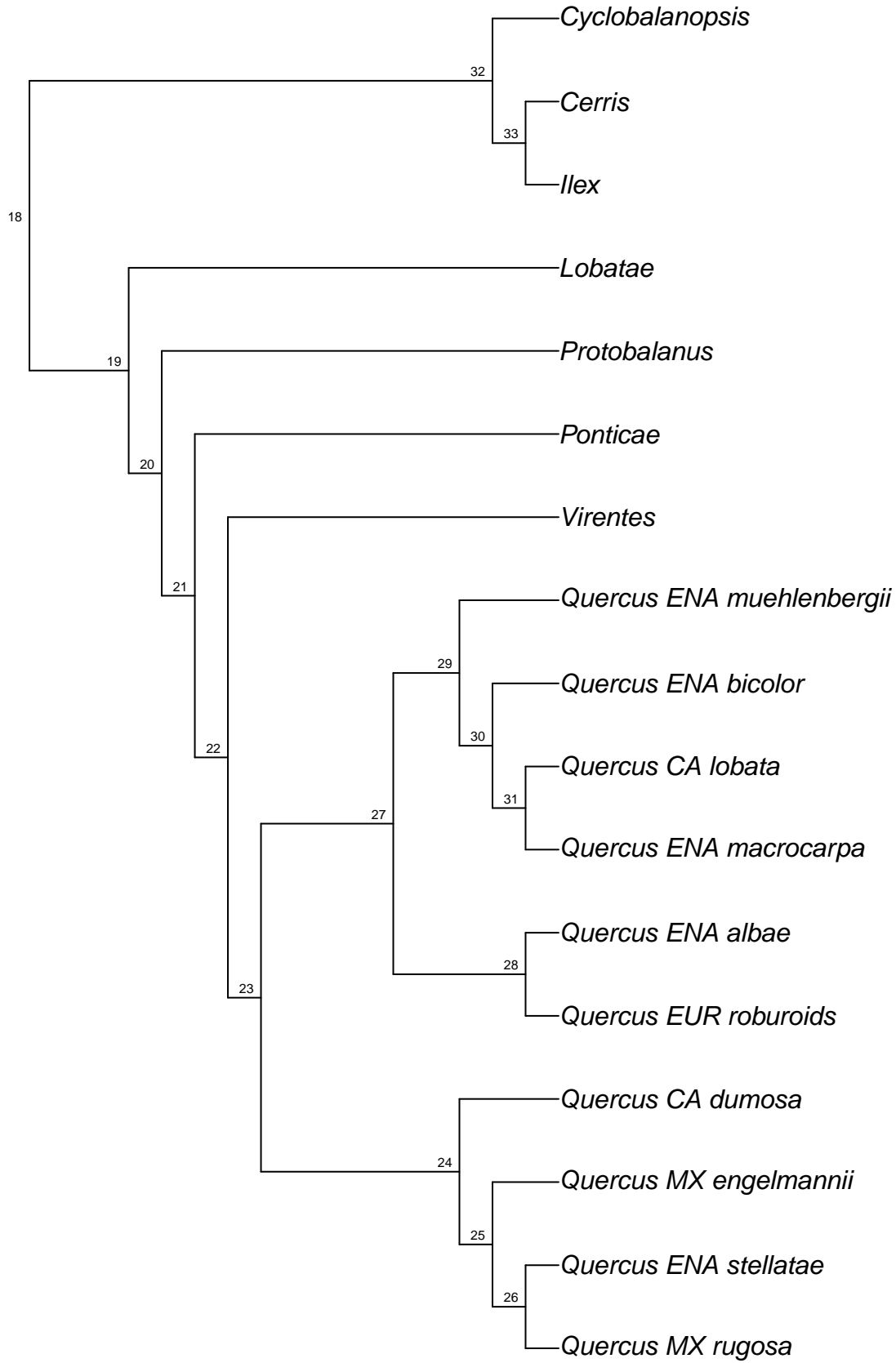


refRAD.ref\_rubra\_raxml.bt009

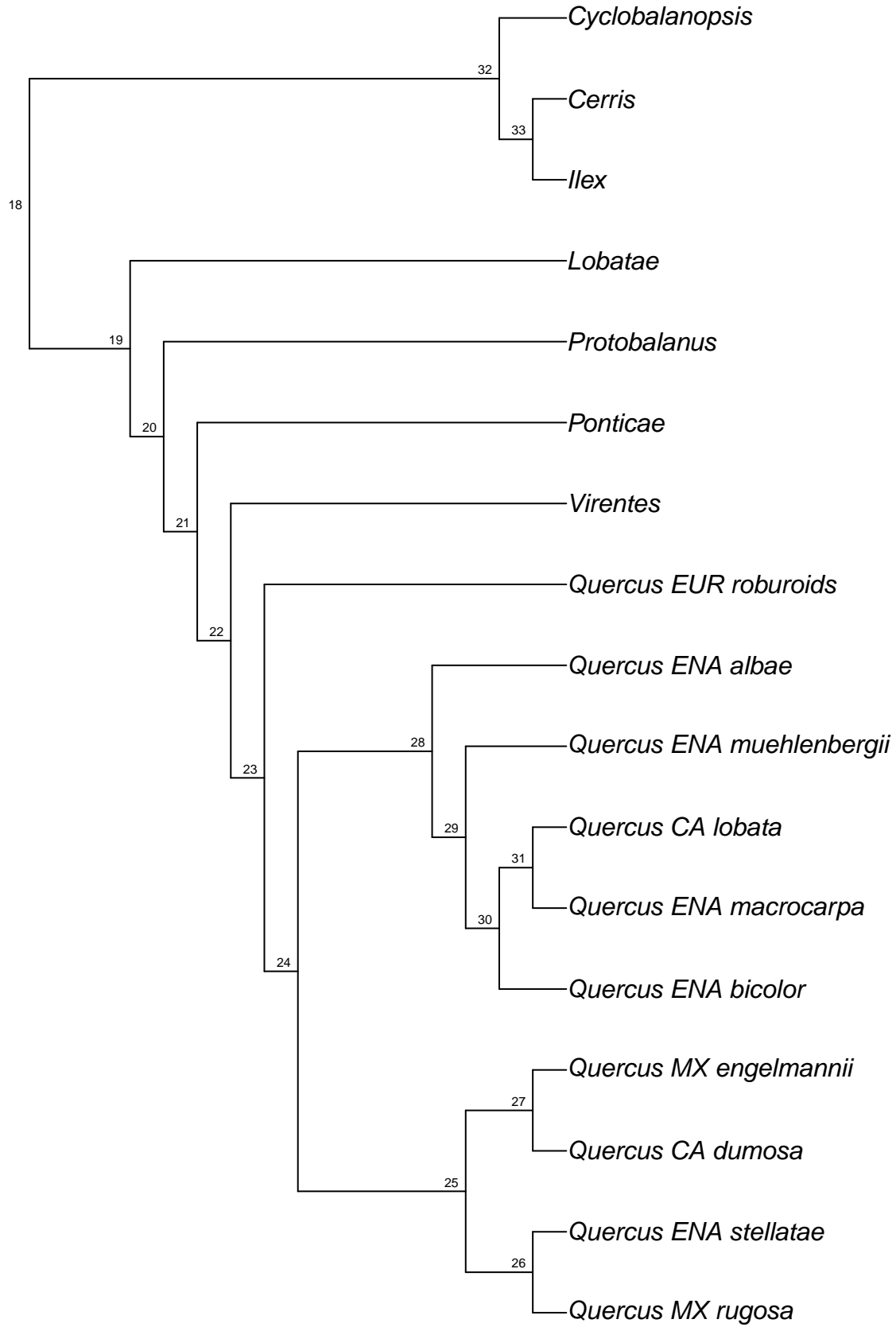




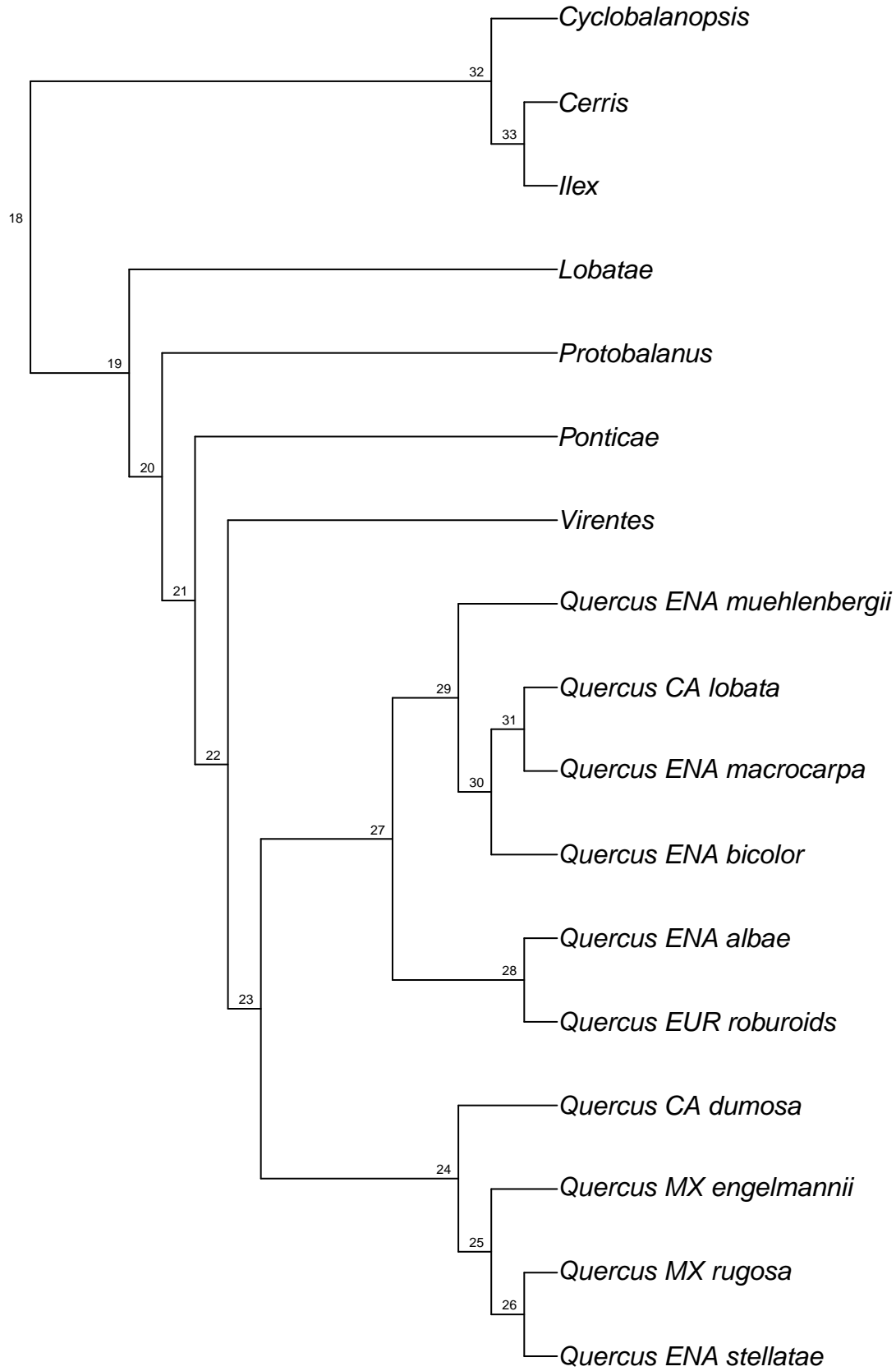
refRAD.ref\_rubra\_raxml.bt010



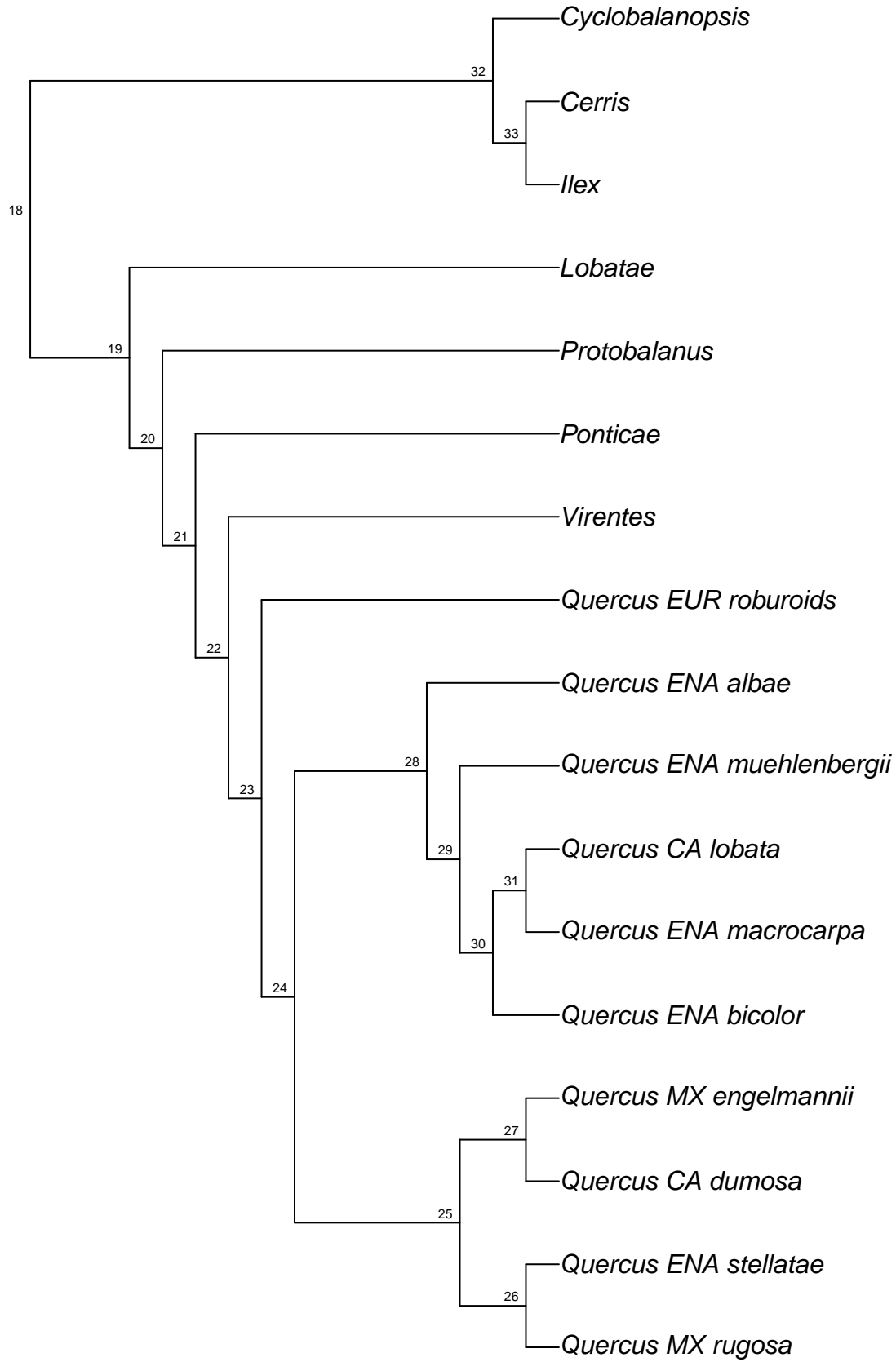
refRAD.ref\_rubra\_raxml.bt011



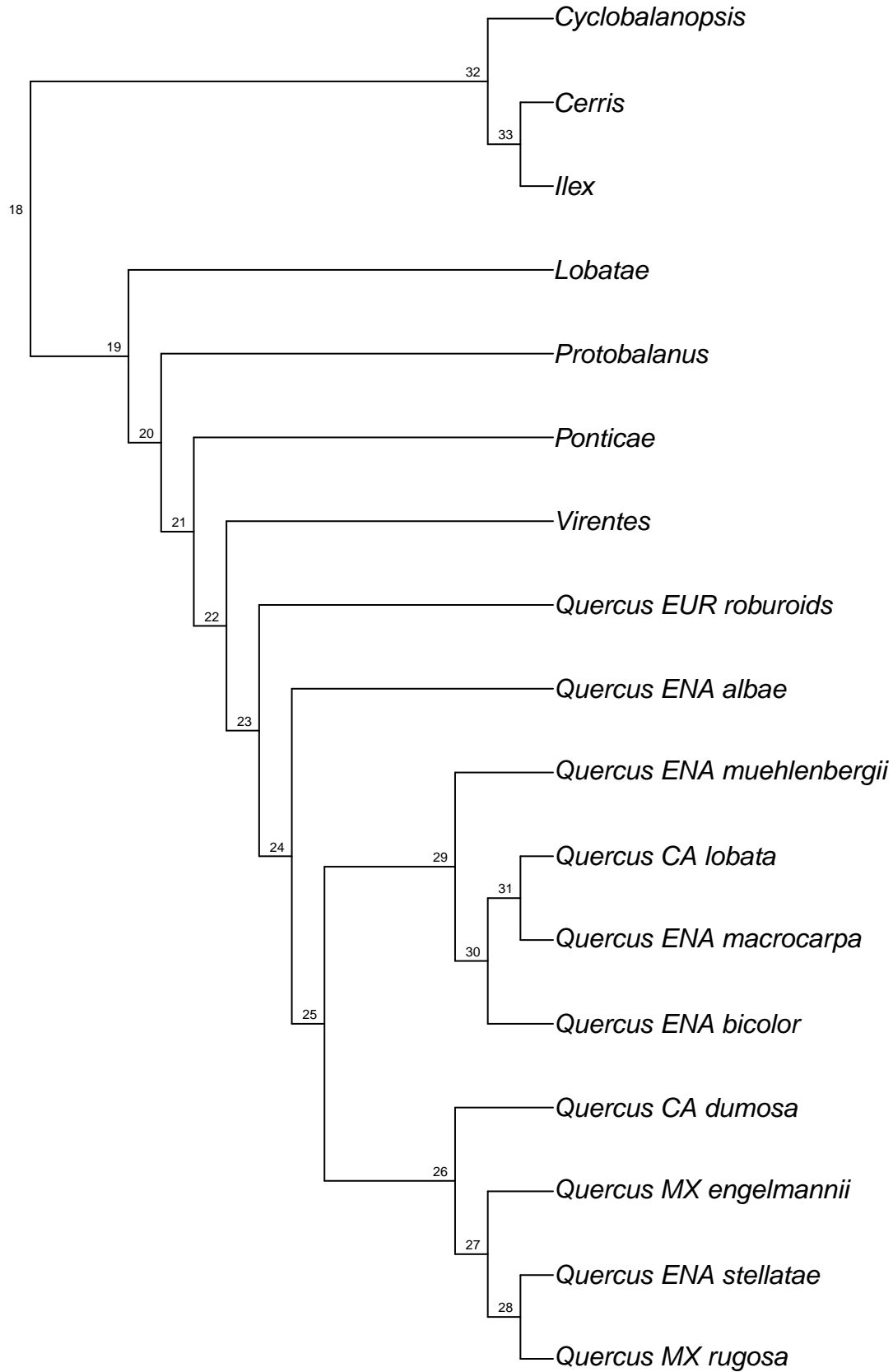
refRAD.ref\_rubra\_raxml.bt012



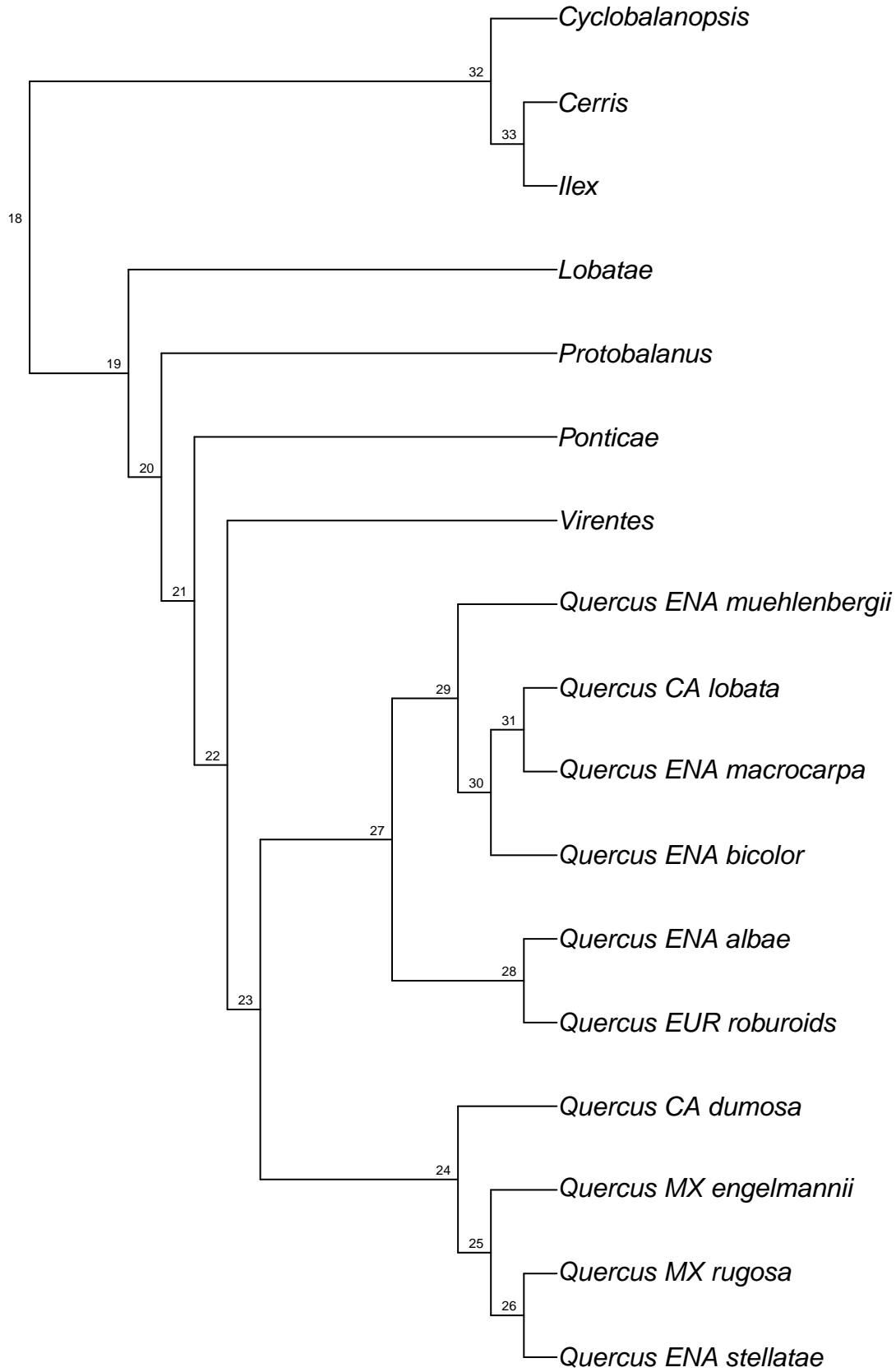
refRAD.ref\_rubra\_raxml.bt013



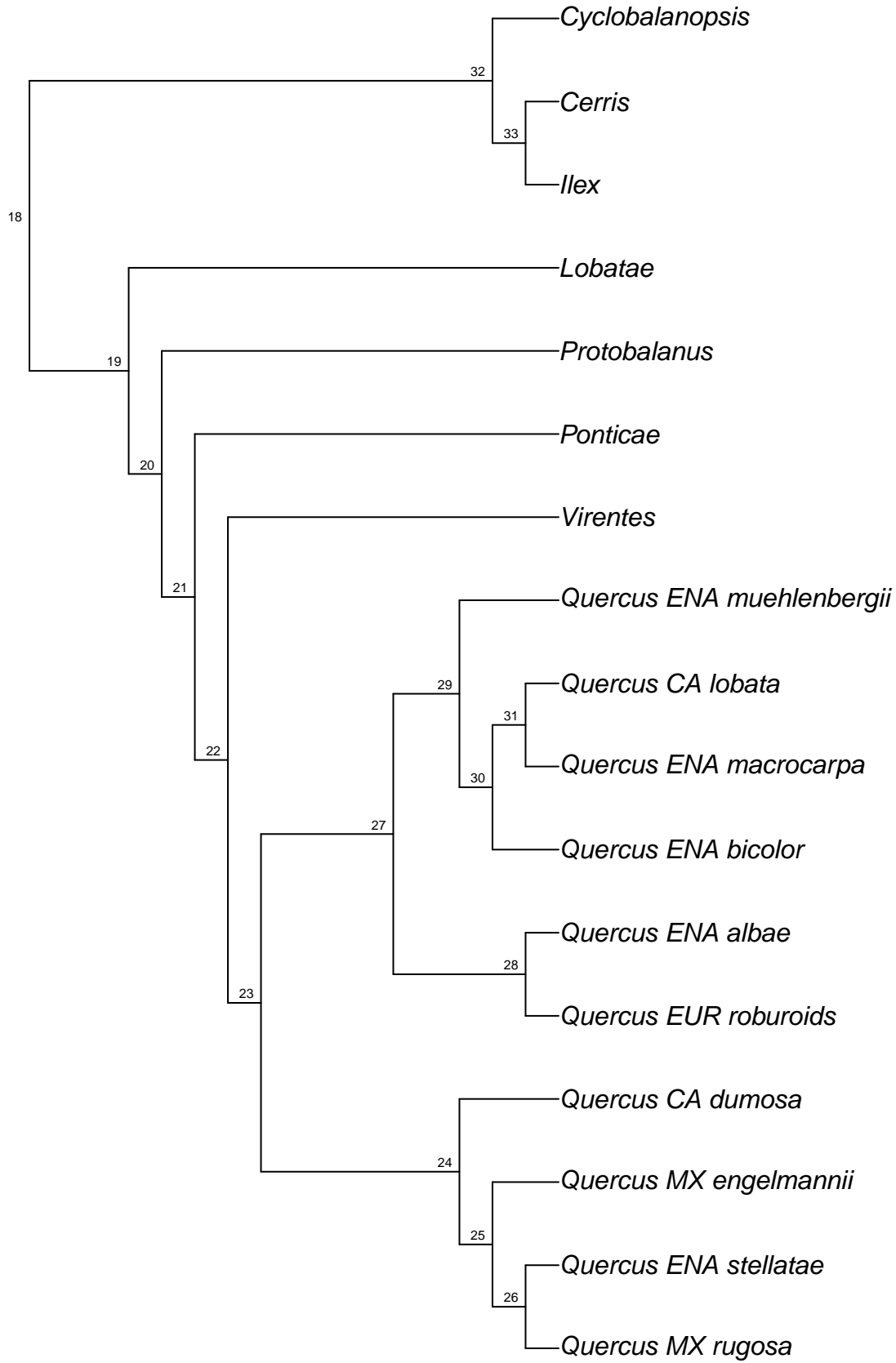
refRAD.ref\_rubra\_raxml.bt014



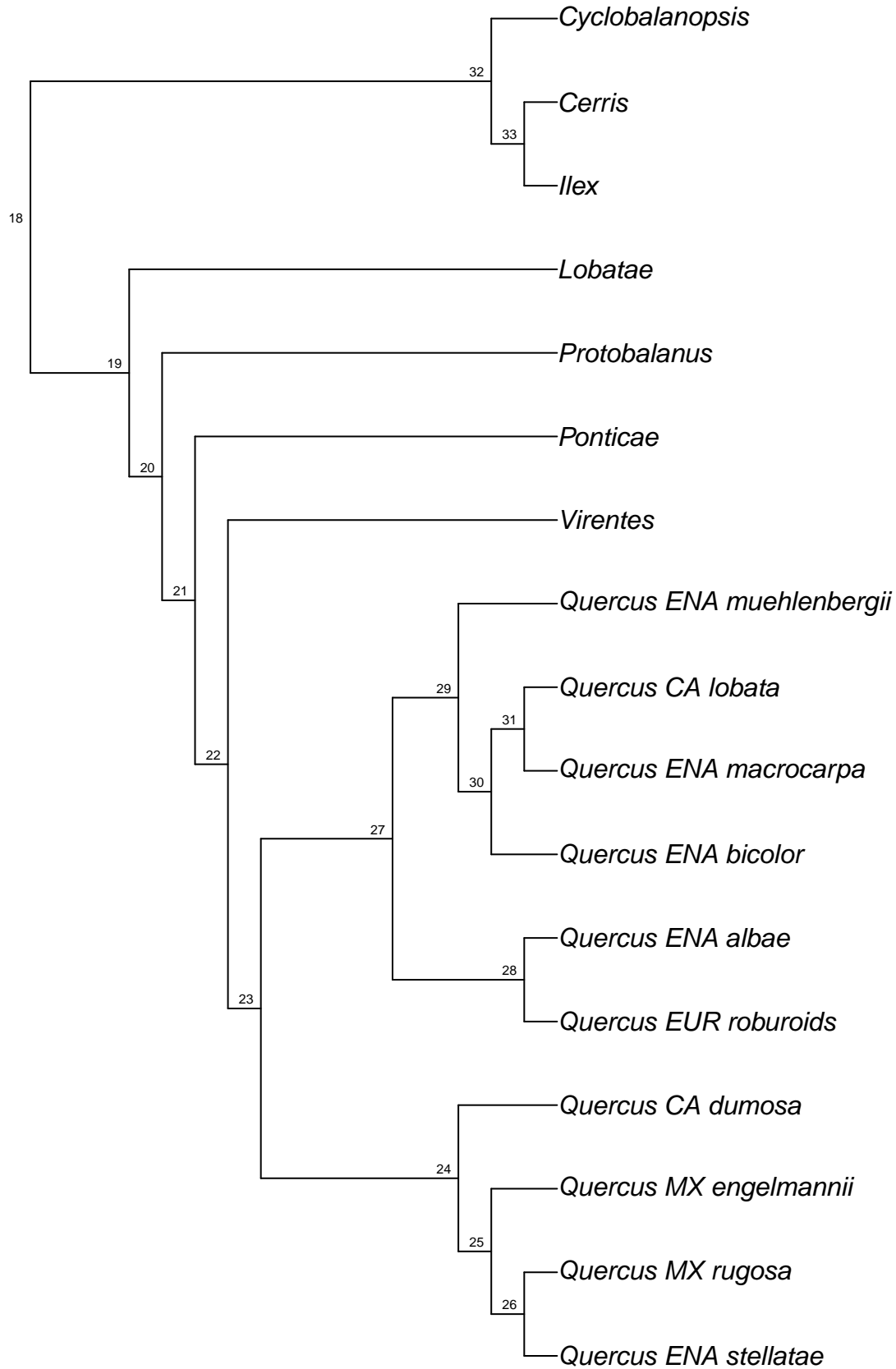
refRAD.ref\_rubra\_raxml.bt015



refRAD.ref\_rubra\_raxml.bt016

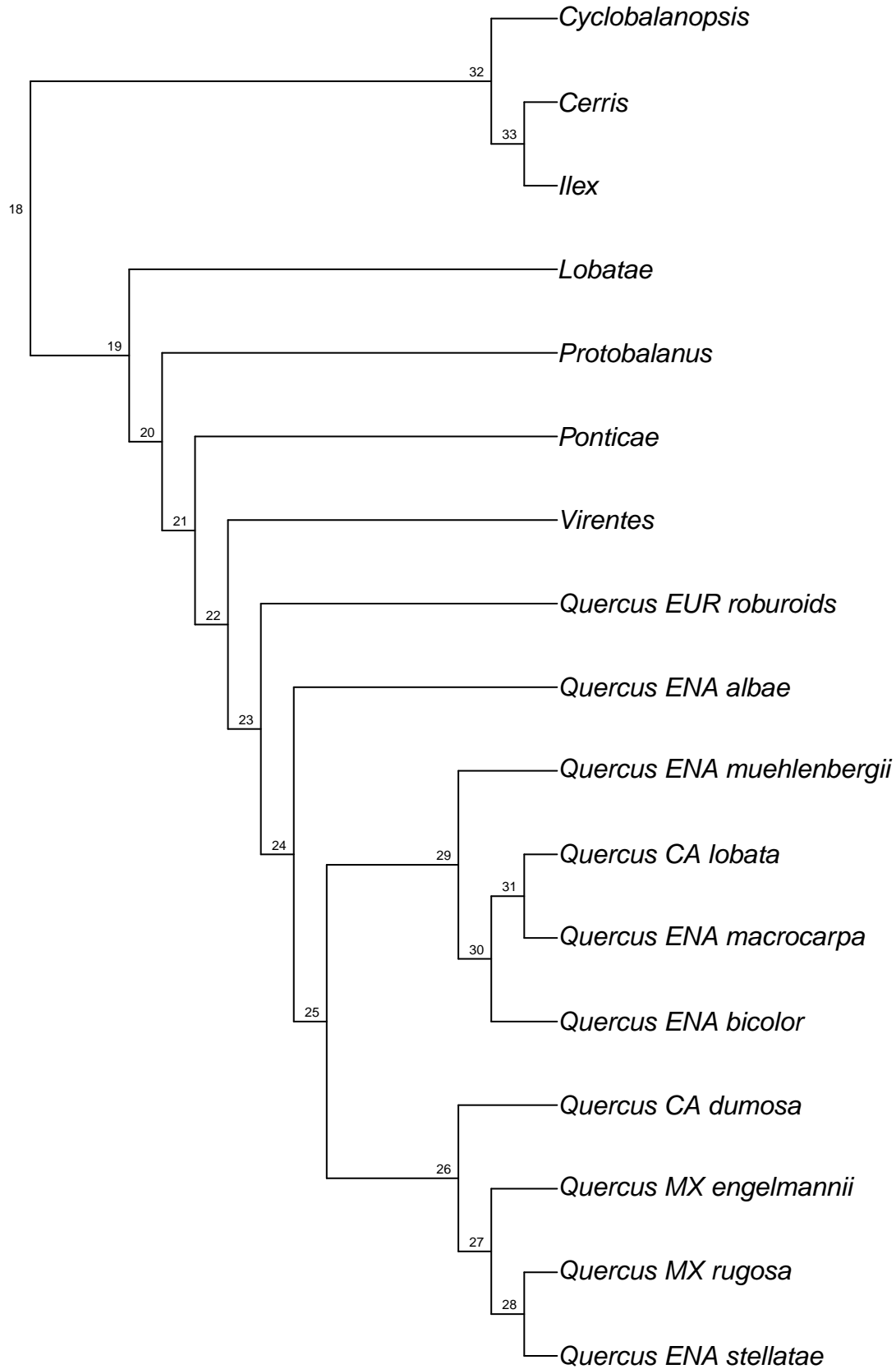


refRAD.ref\_rubra\_raxml.bt017

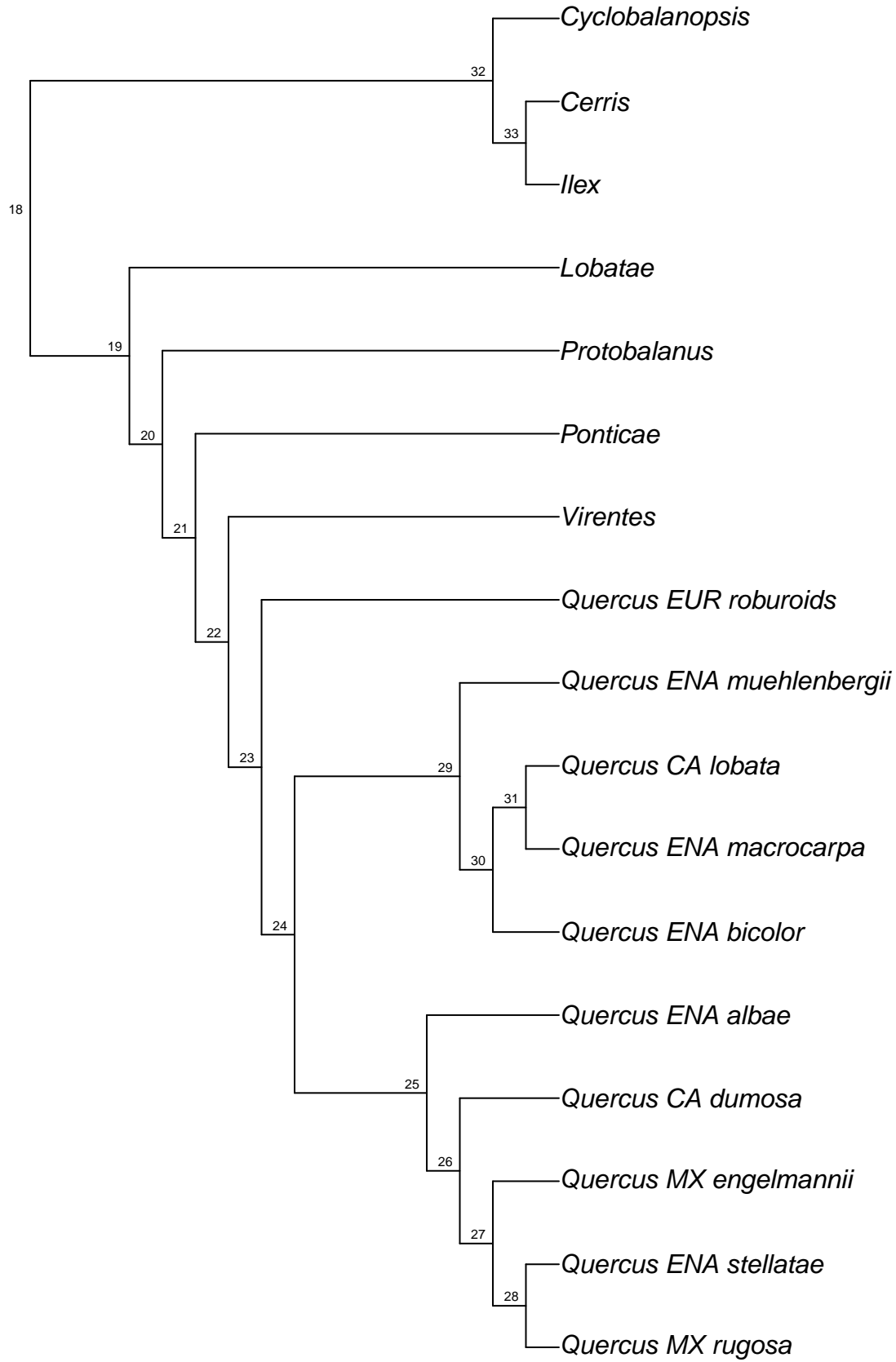




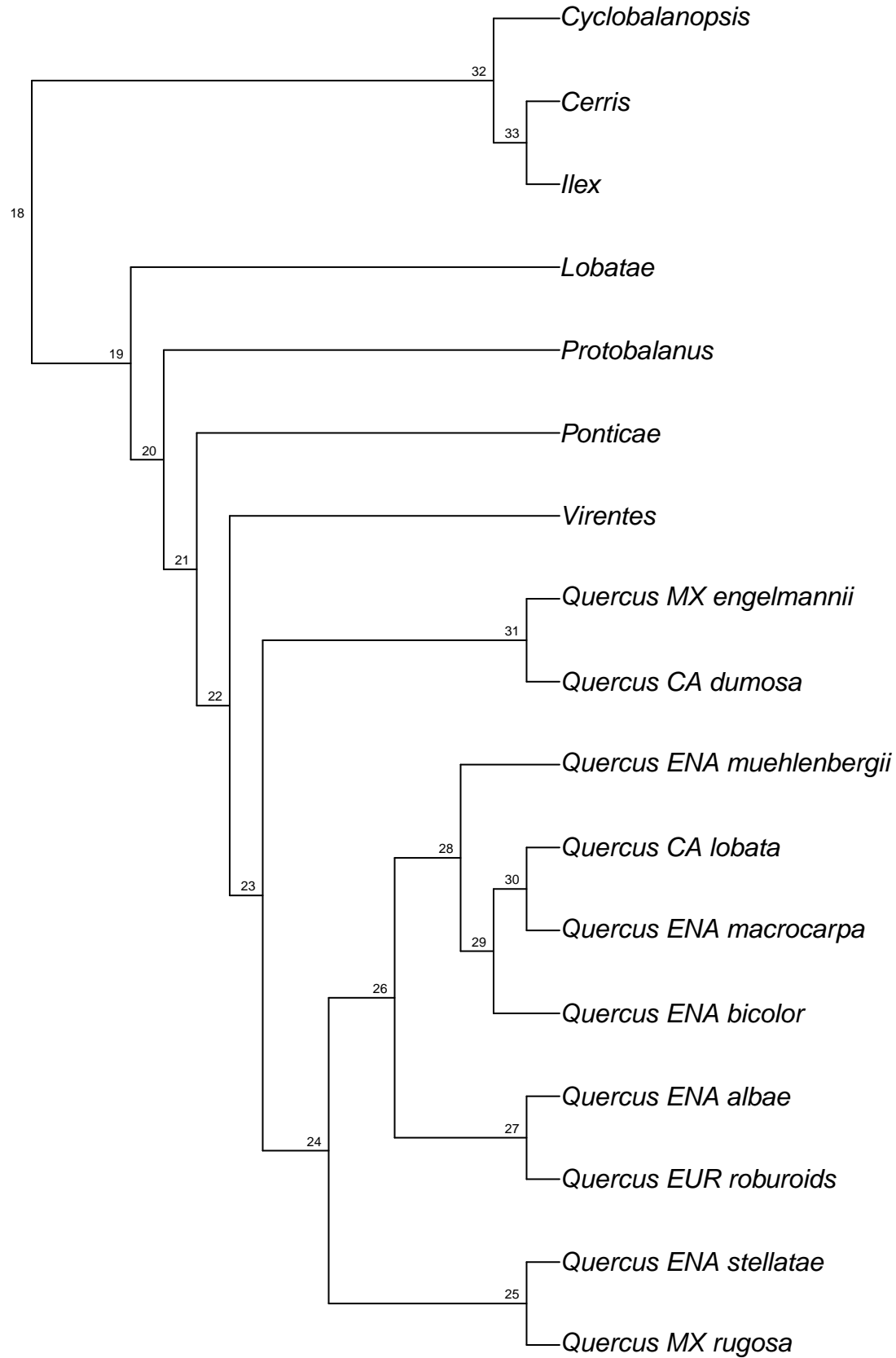
refRAD.ref\_rubra\_raxml.bt018



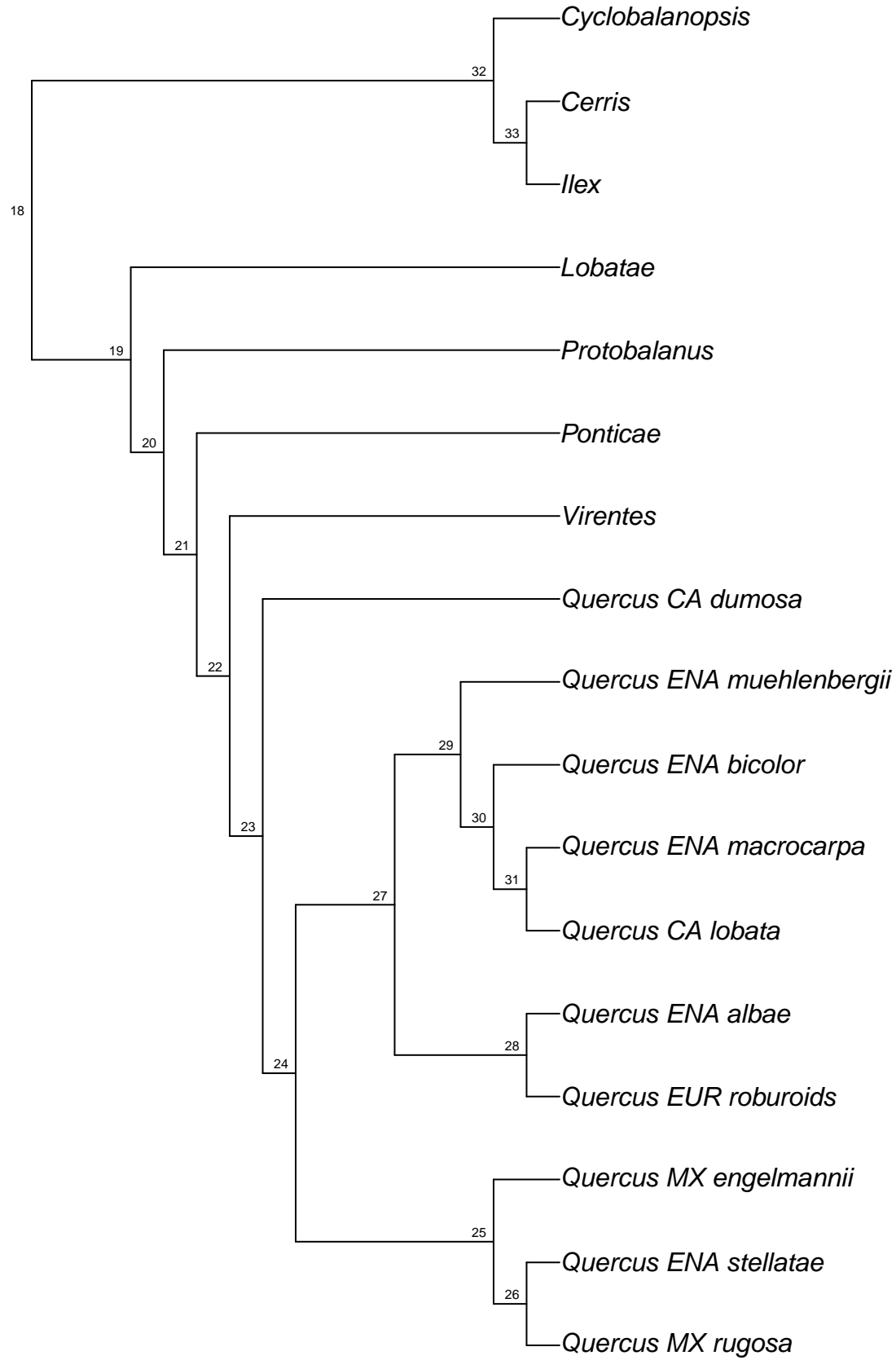
refRAD.ref\_rubra\_raxml.bt019



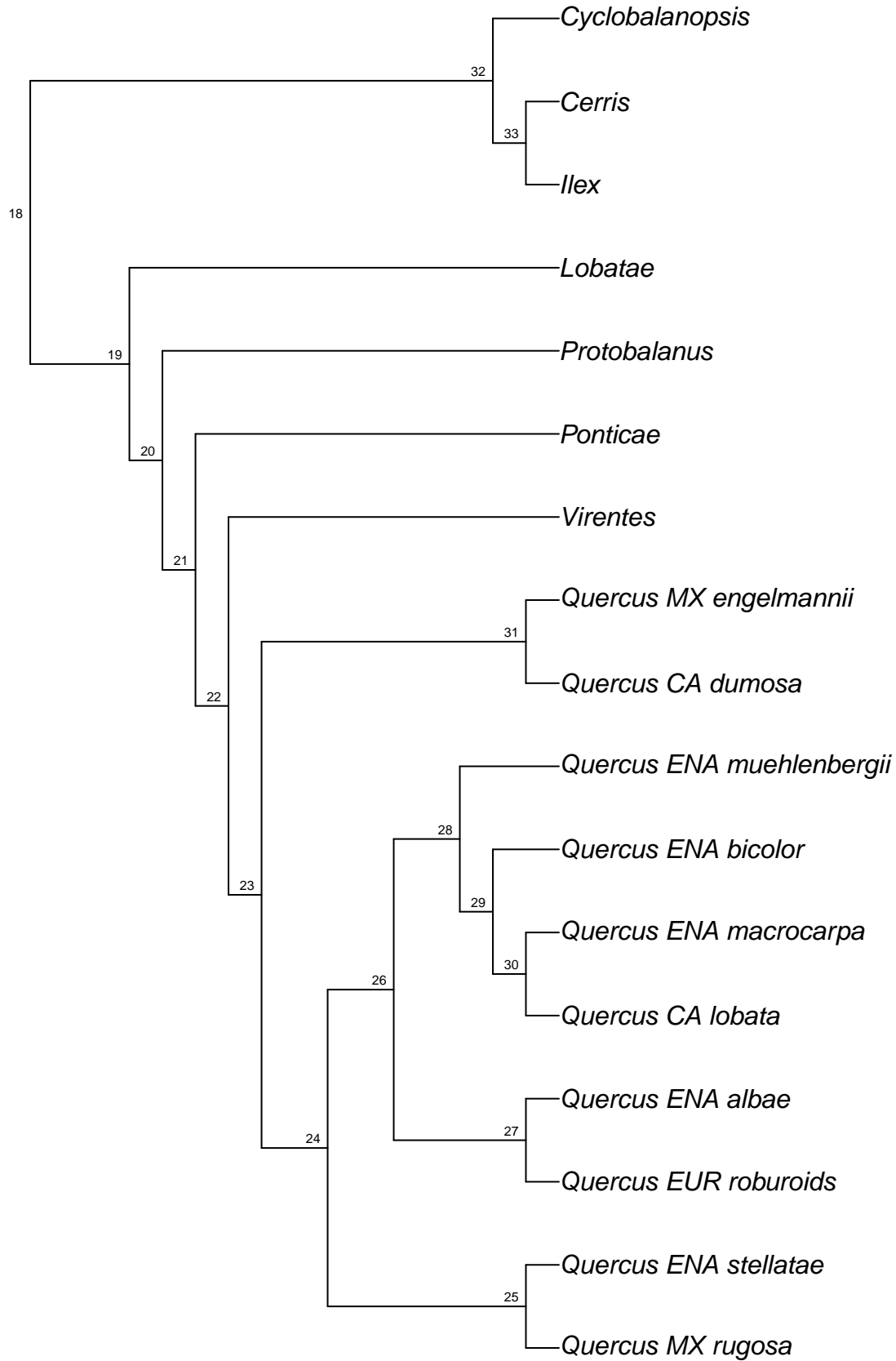
refRAD.ref\_rubra\_raxml.bt020



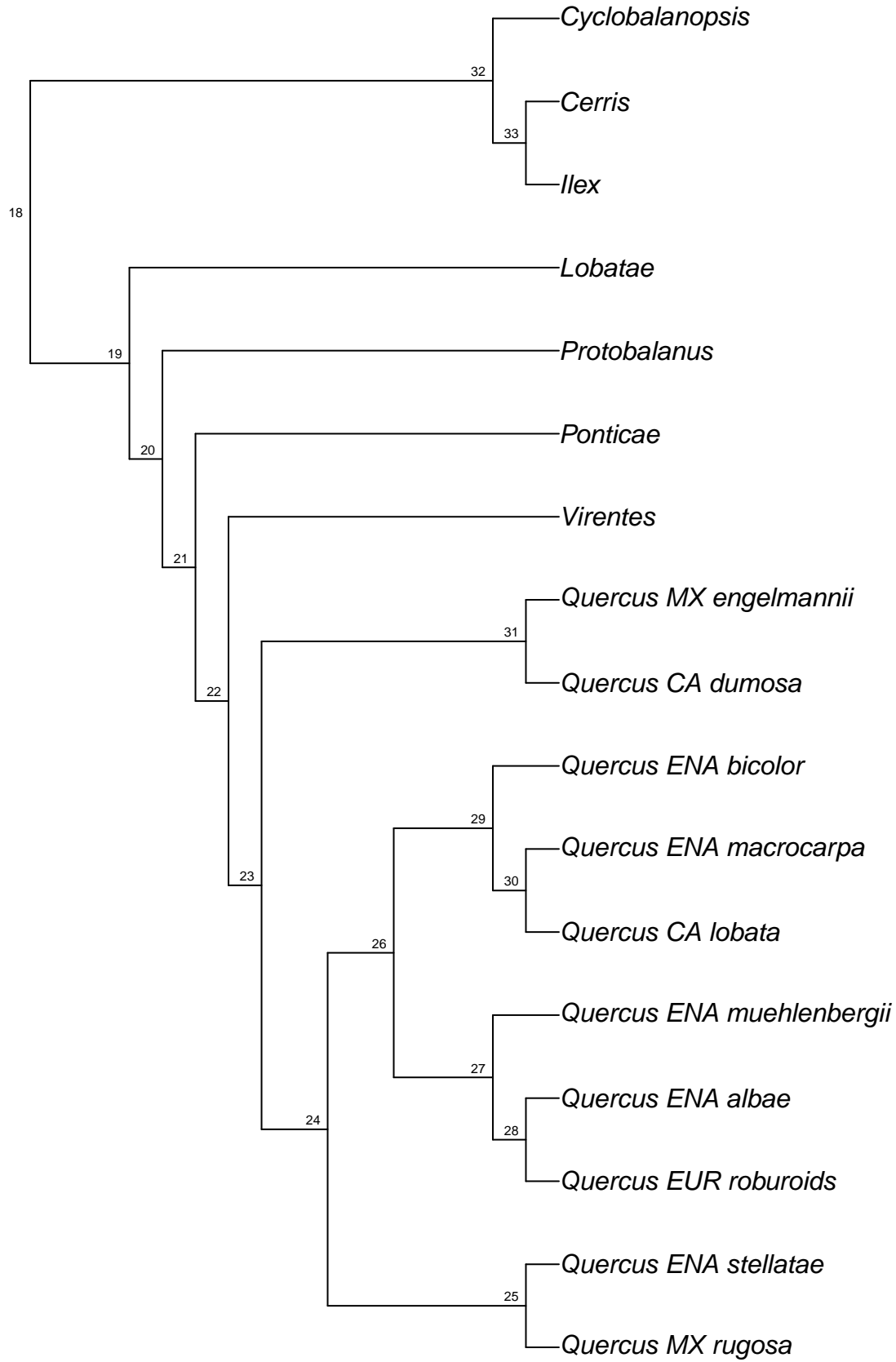
refRAD.ref\_rubra\_raxml.bt021



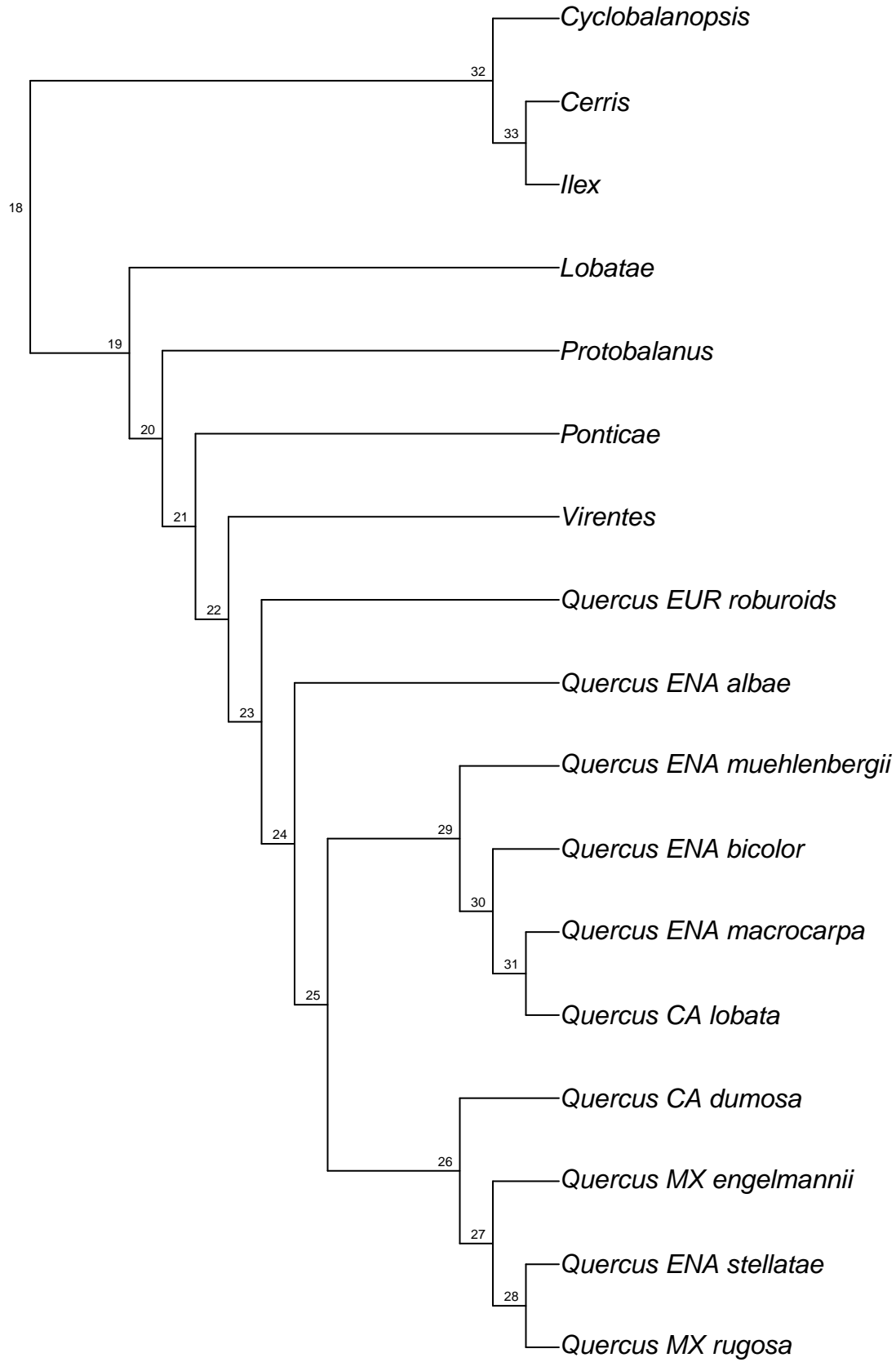
refRAD.ref\_rubra\_raxml.bt022



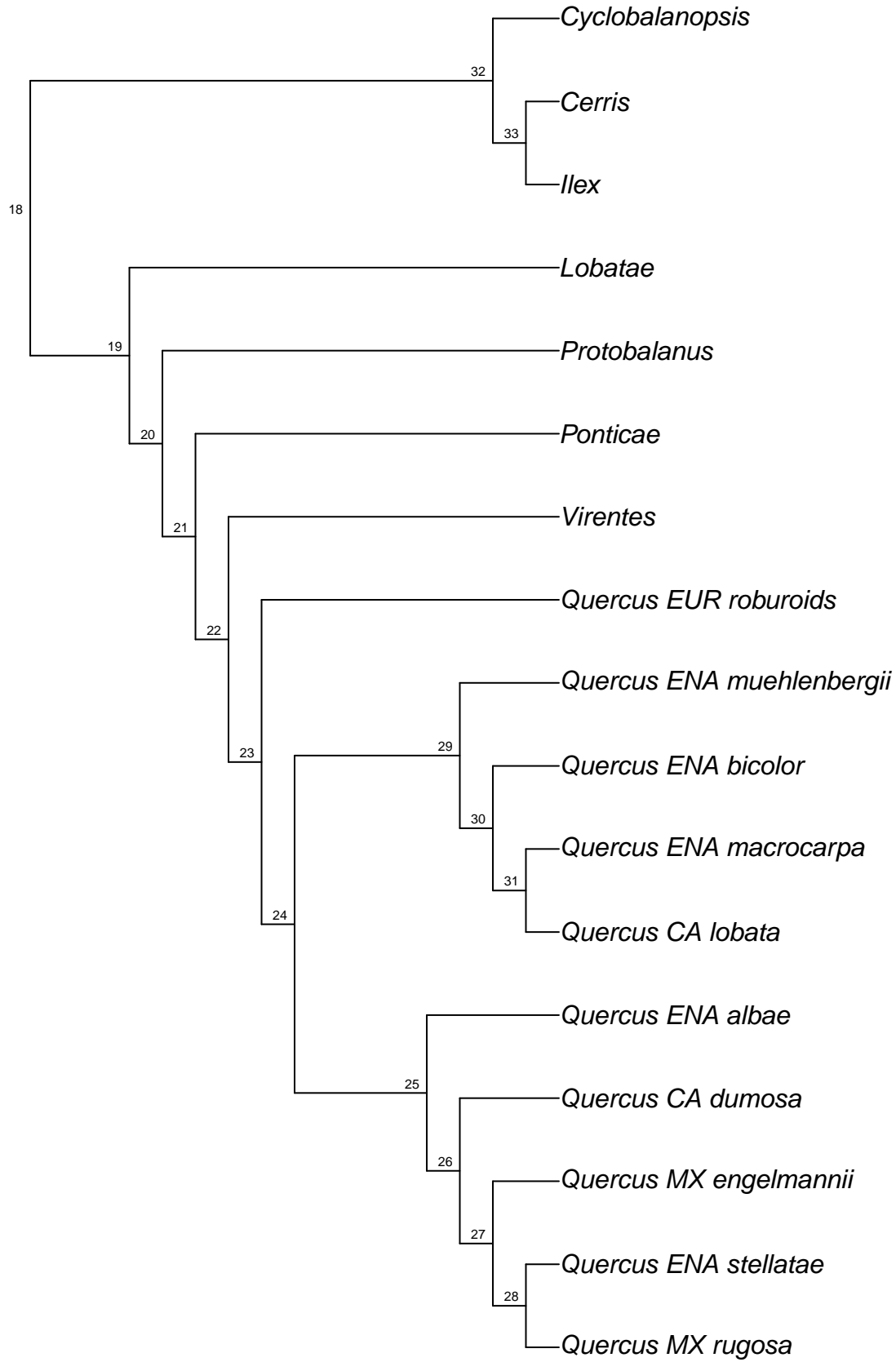
refRAD.ref\_rubra\_raxml.bt023



refRAD.ref\_rubra\_raxml.bt024

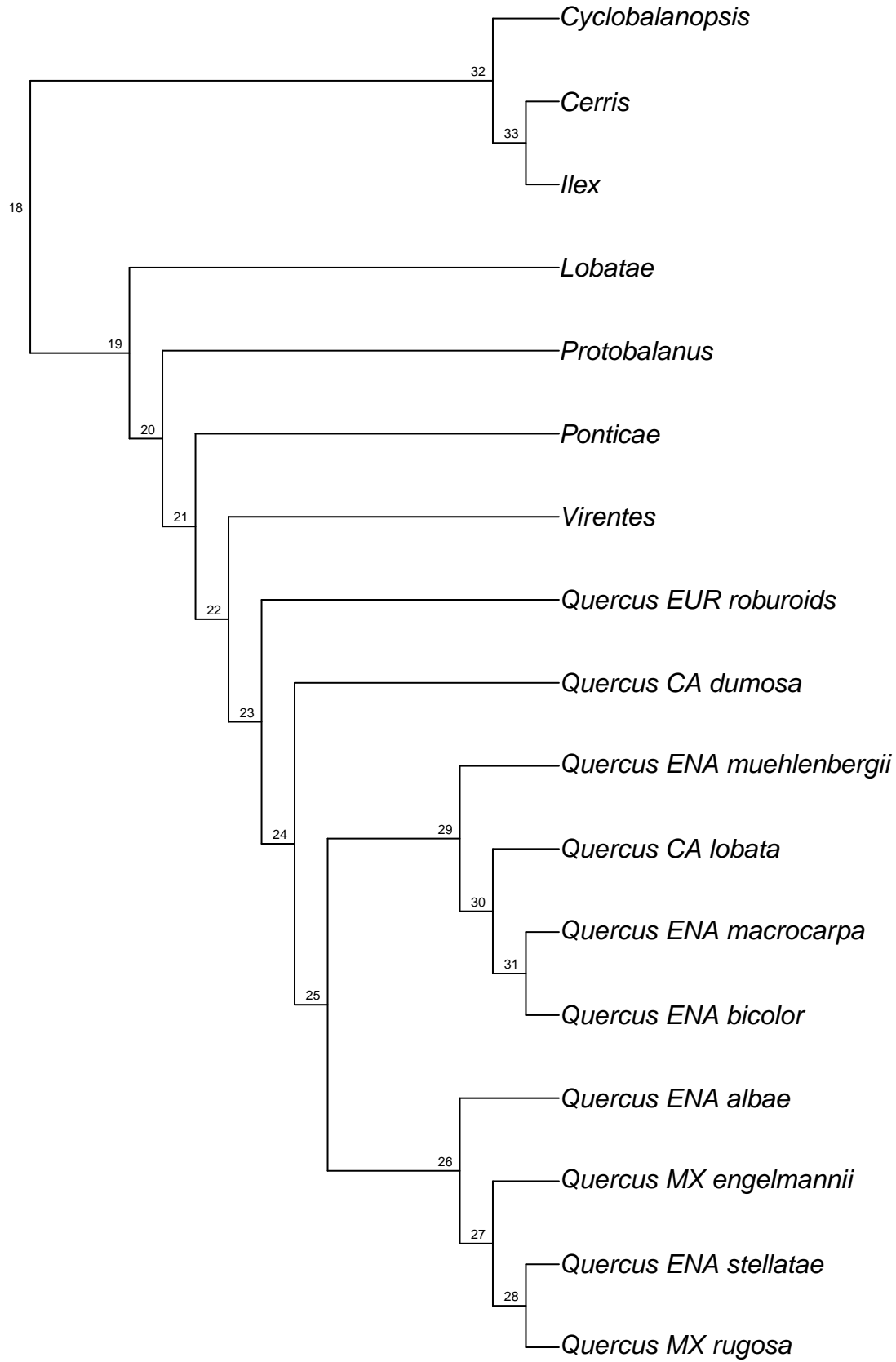


refRAD.ref\_rubra\_raxml.bt025

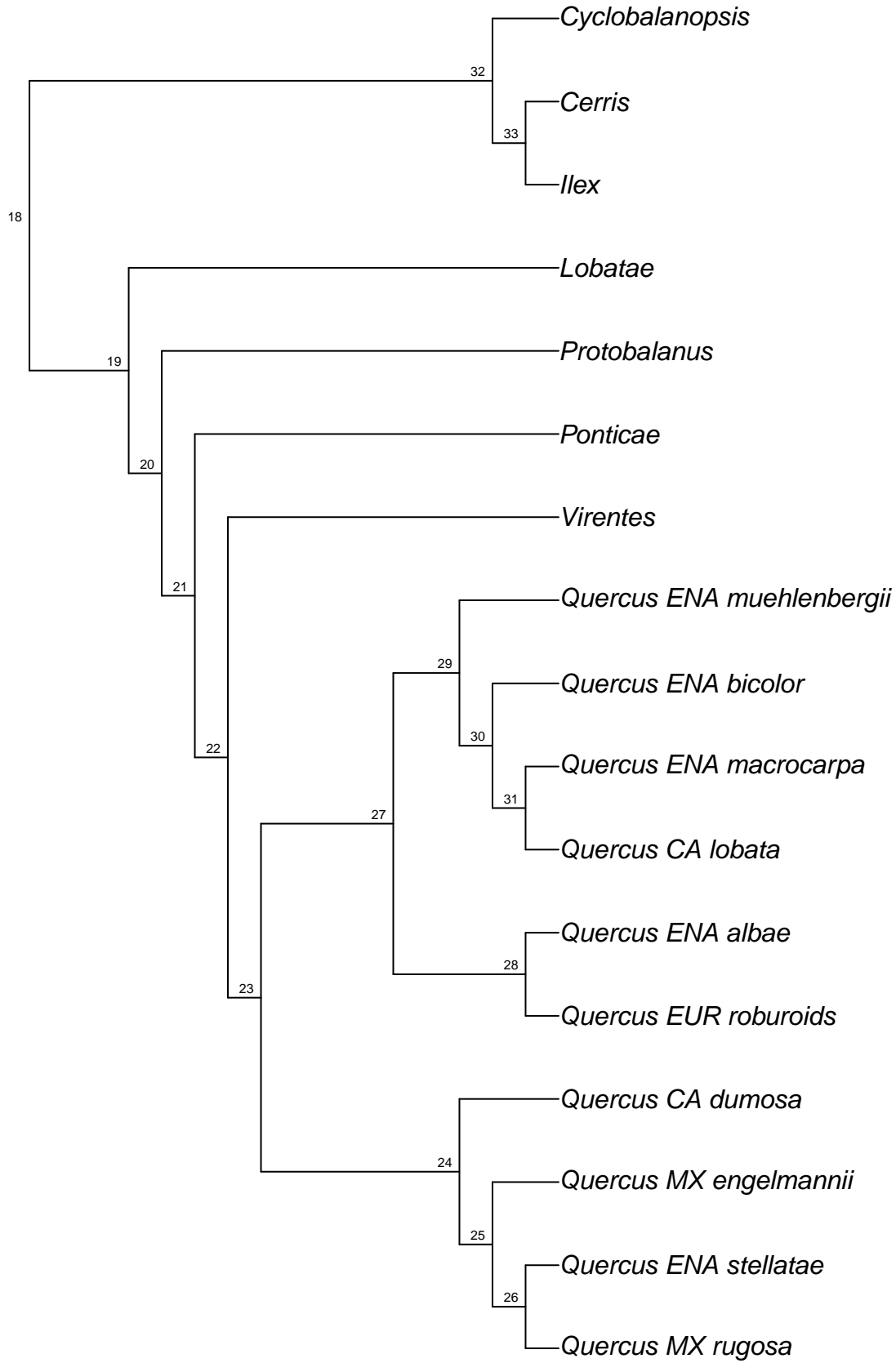




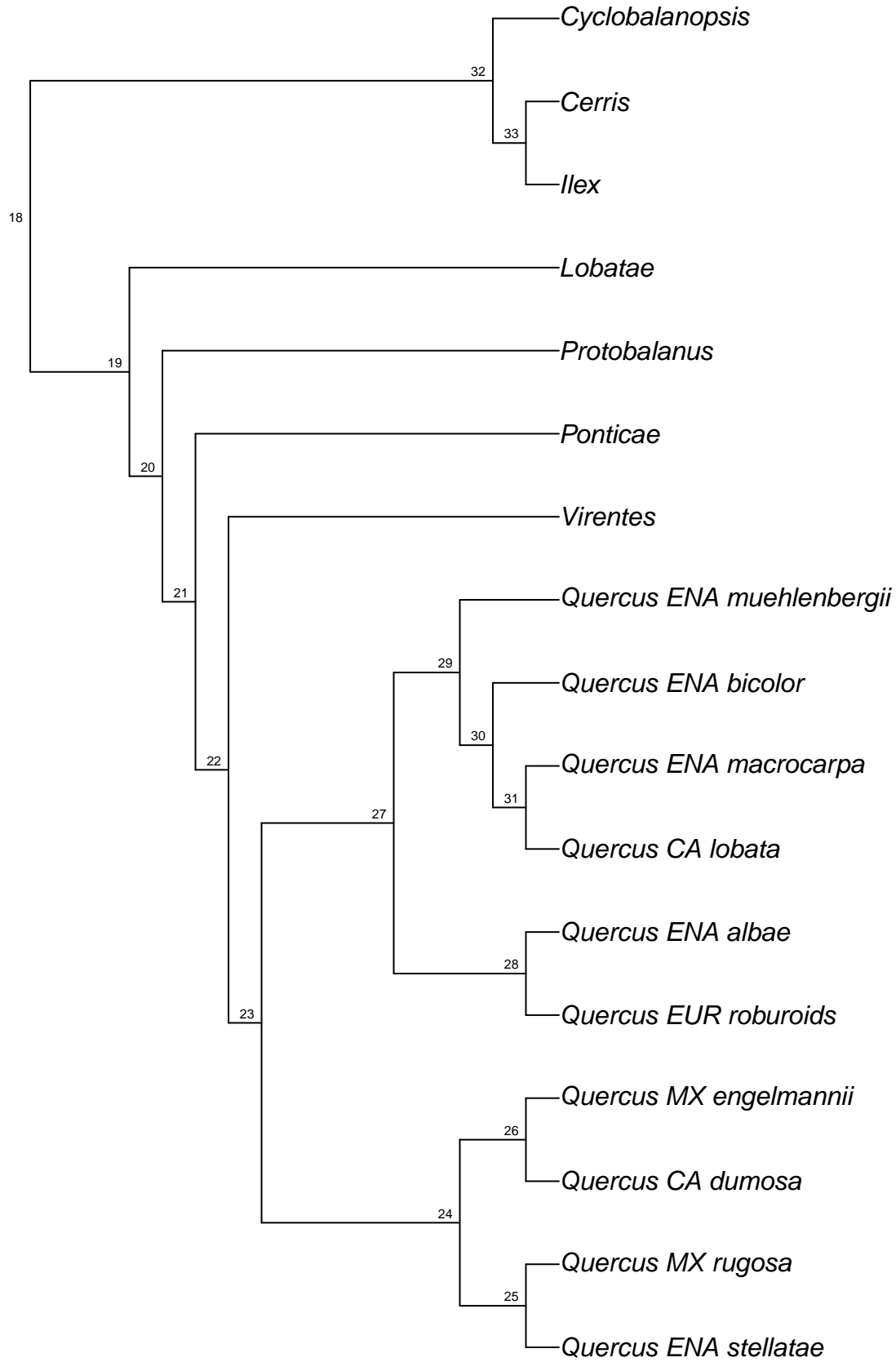
refRAD.ref\_rubra\_raxml.bt026



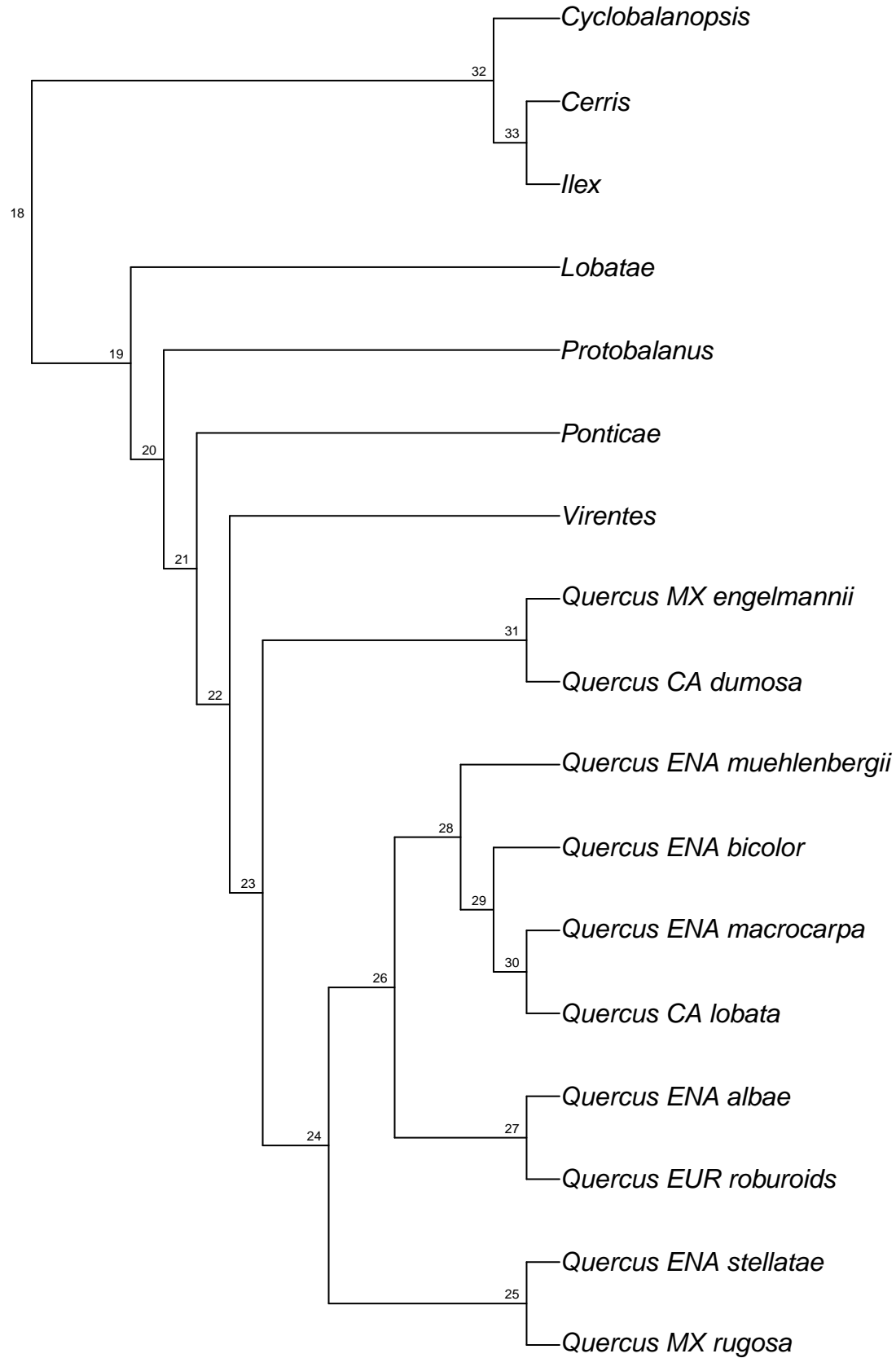
refRAD.ref\_rubra\_raxml.bt027



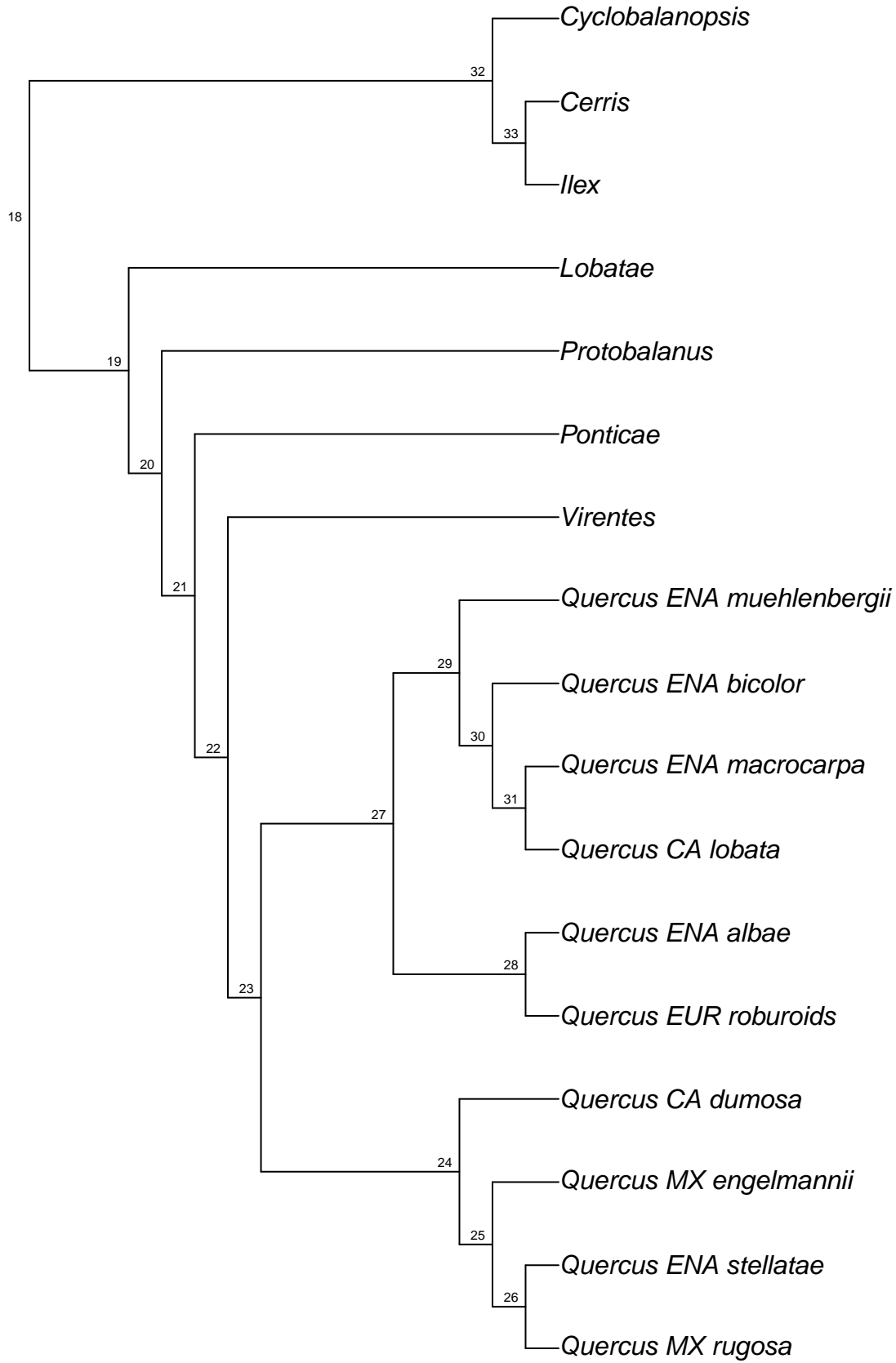
refRAD.ref\_rubra\_raxml.bt028



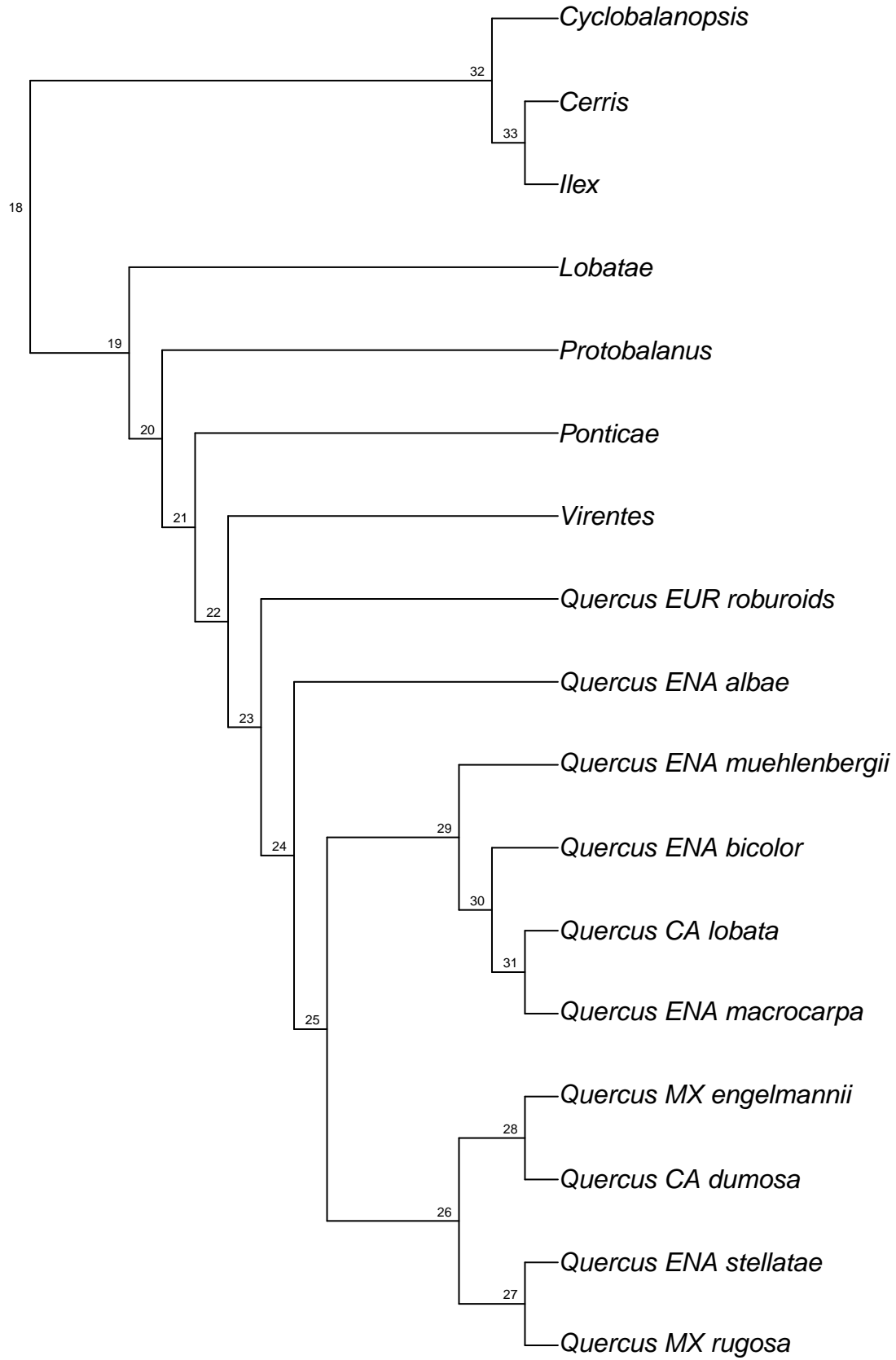
## refRAD.ref\_rubra\_raxml.bt029



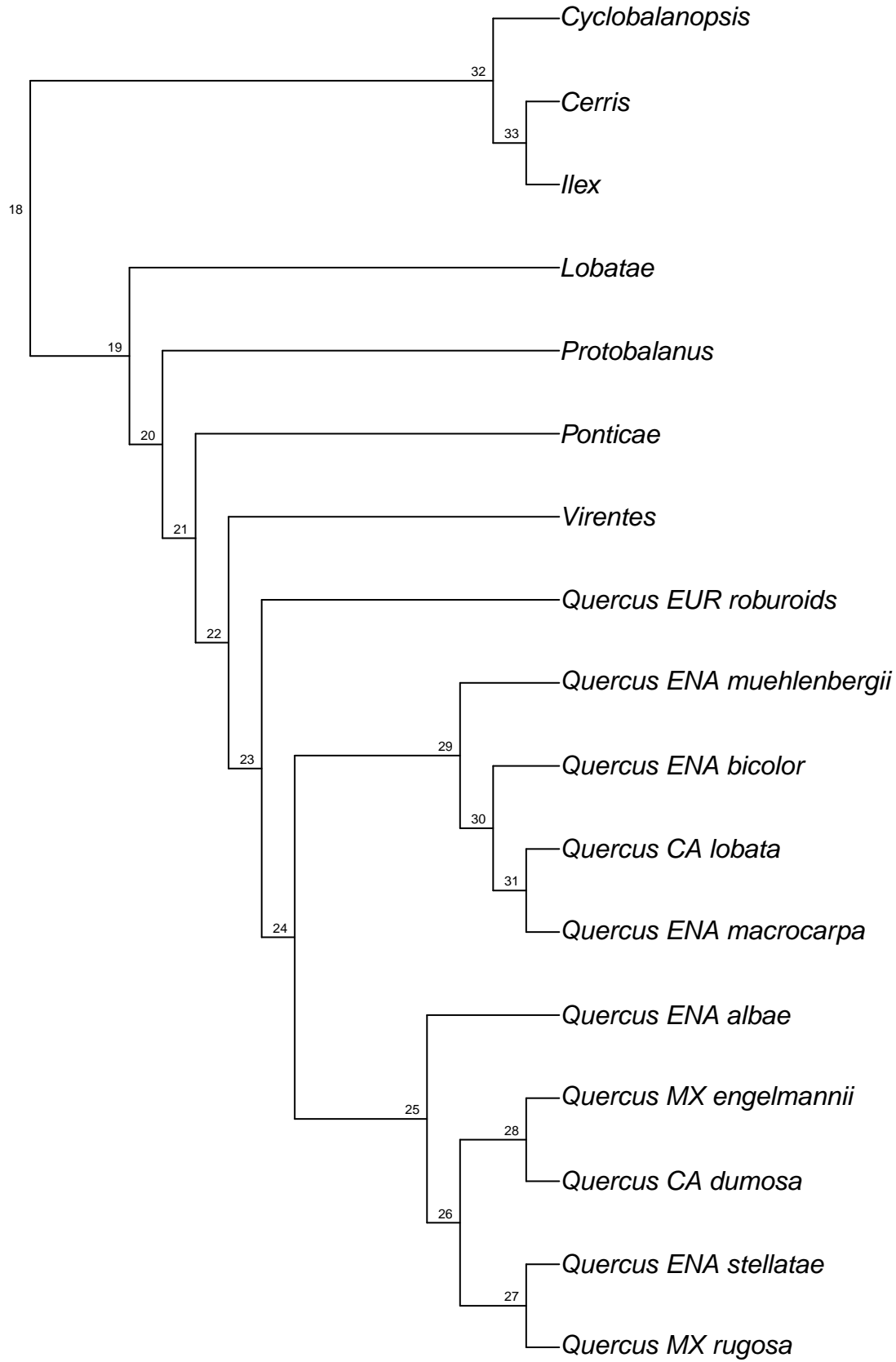
refRAD.ref\_rubra\_raxml.bt030



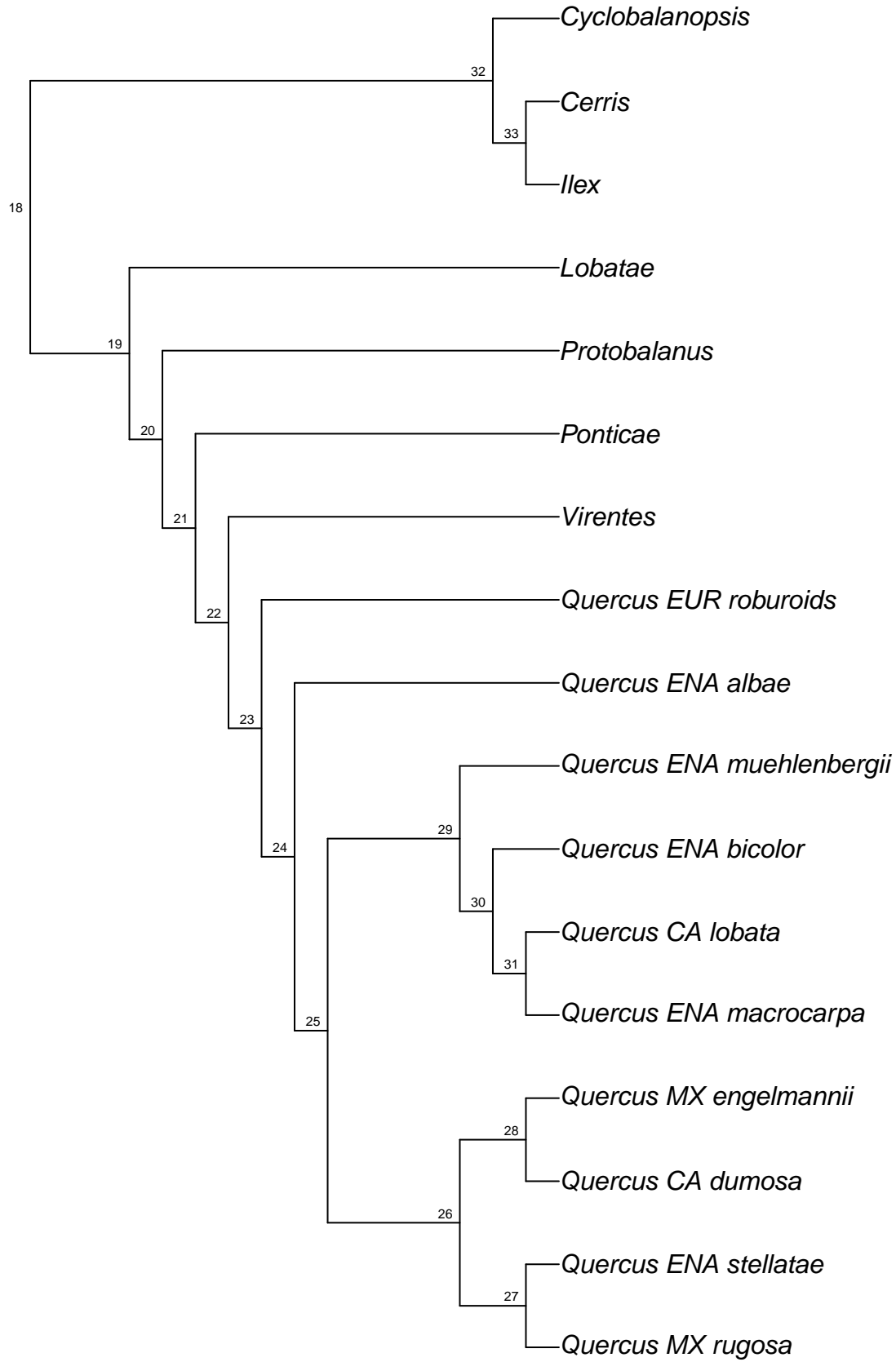
refRAD.ref\_rubra\_raxml.bt031



refRAD.ref\_rubra\_raxml.bt032

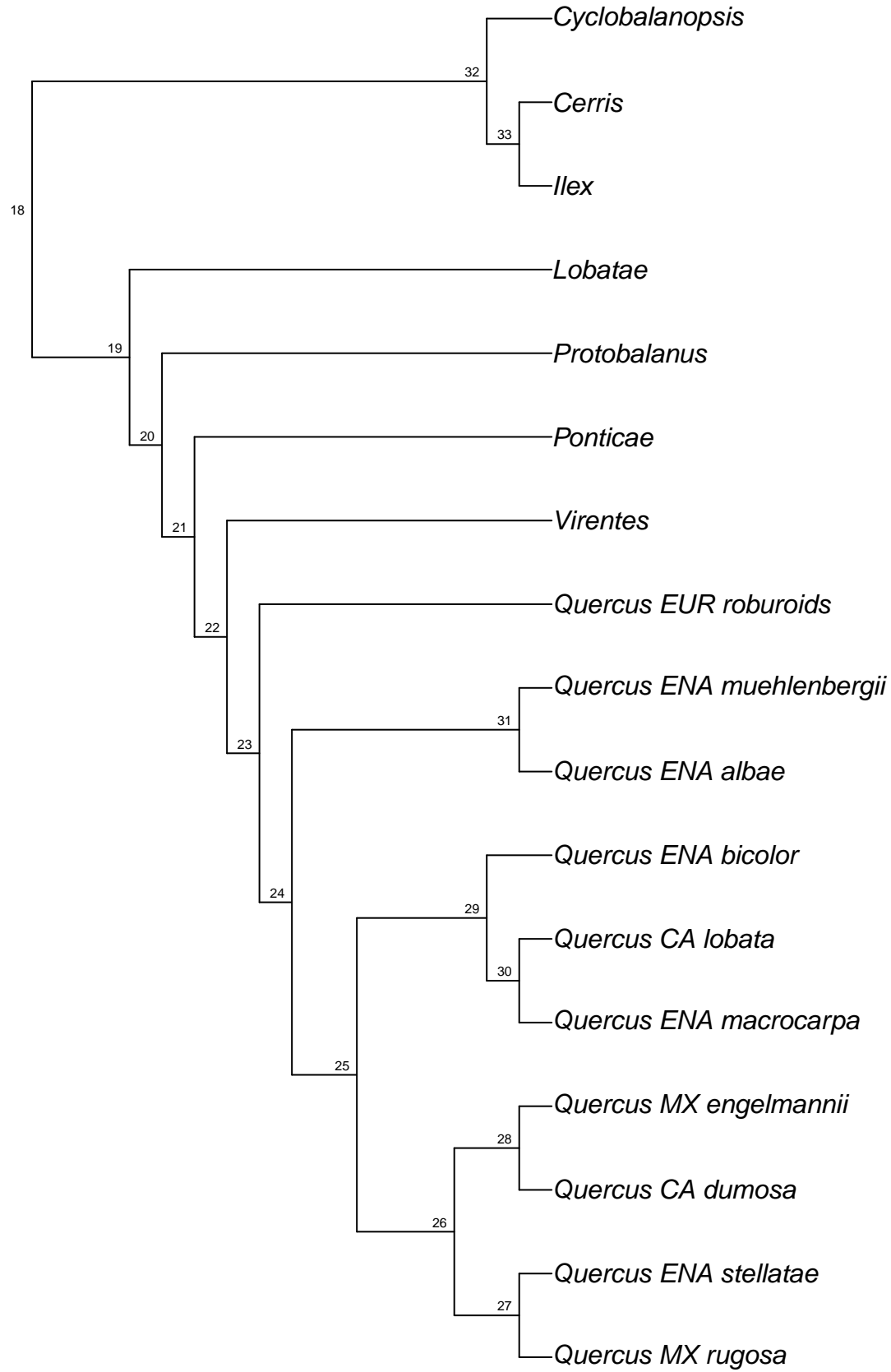


refRAD.ref\_rubra\_raxml.bt033

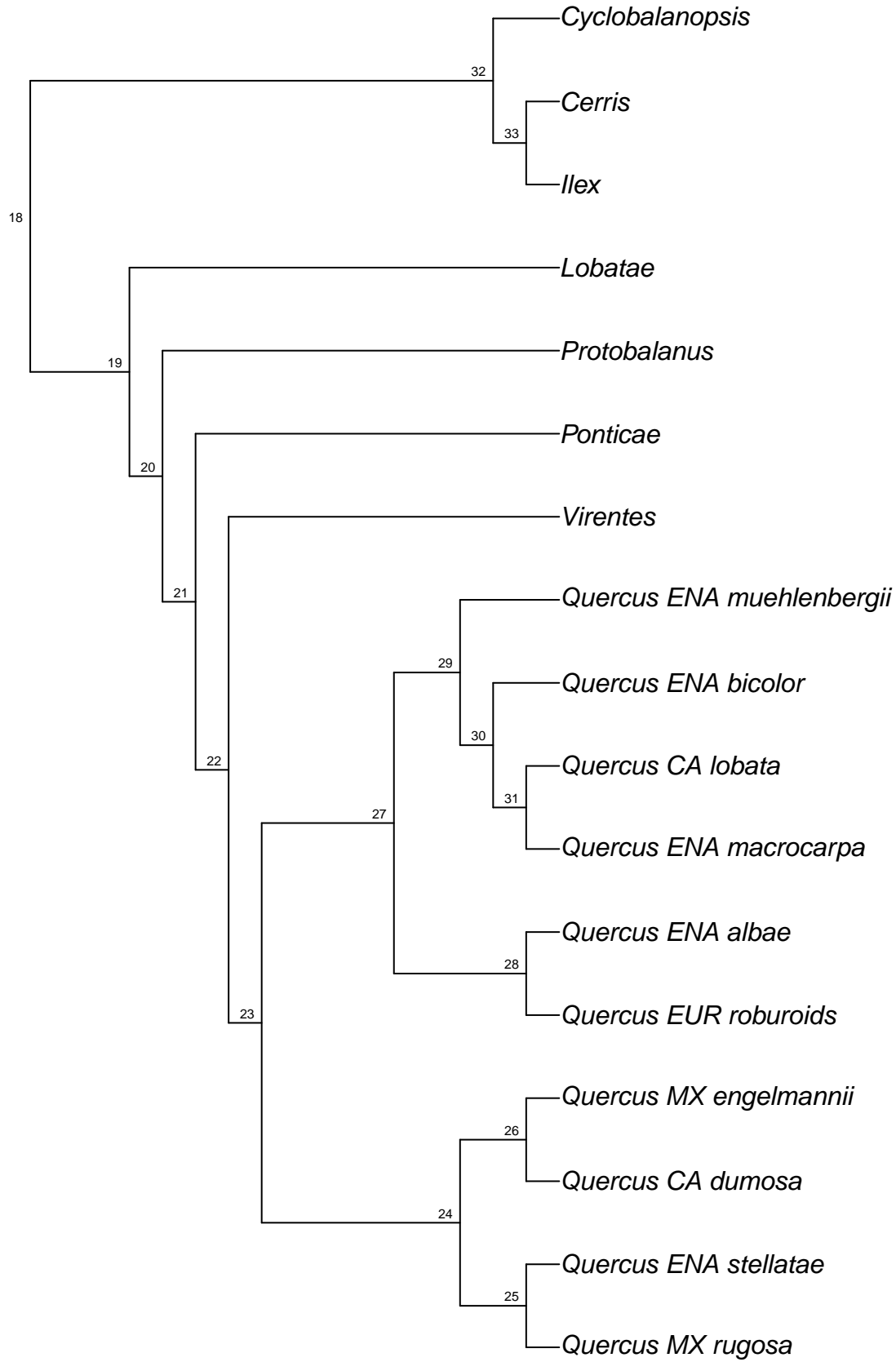




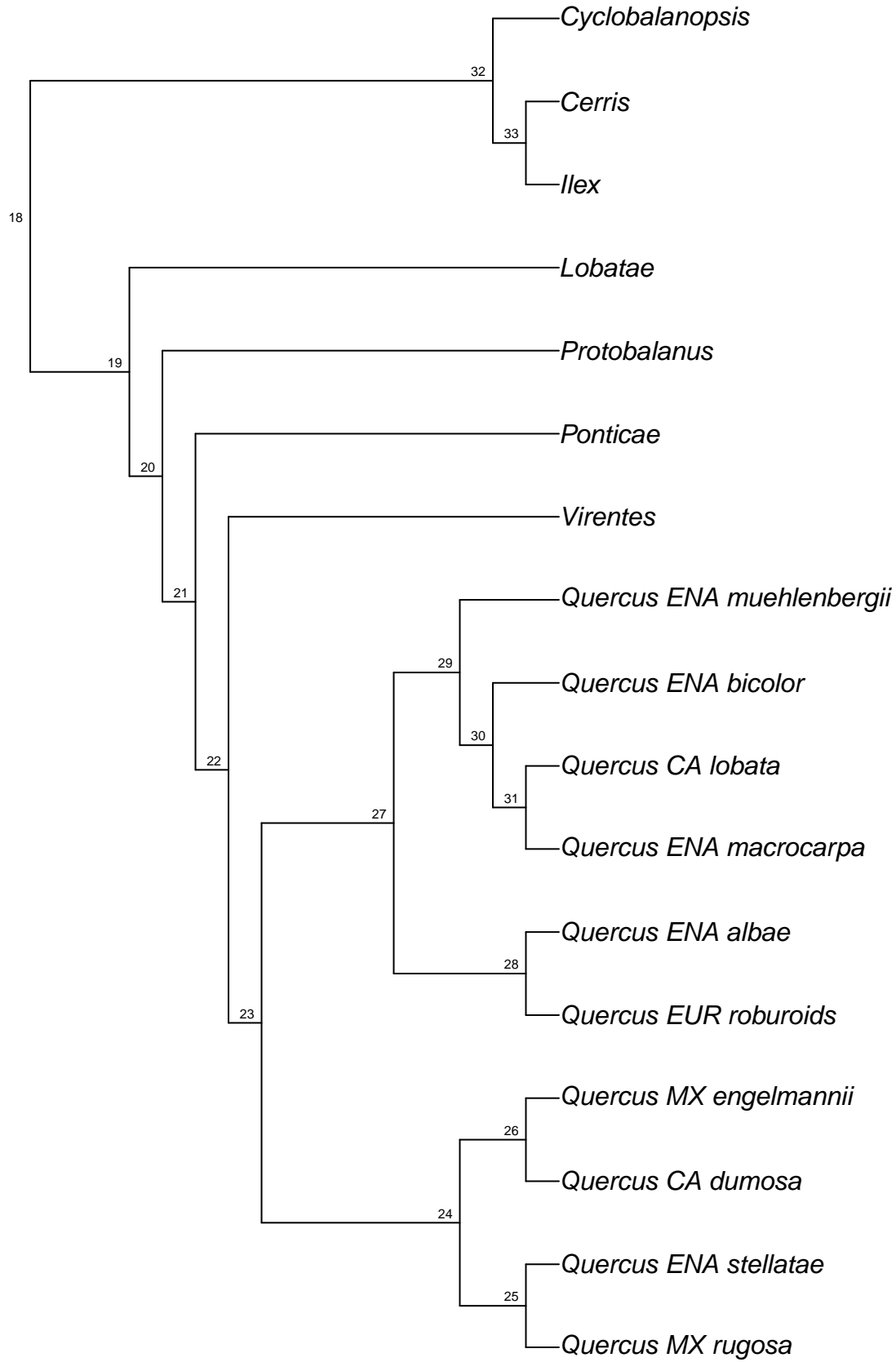
refRAD.ref\_rubra\_raxml.bt034



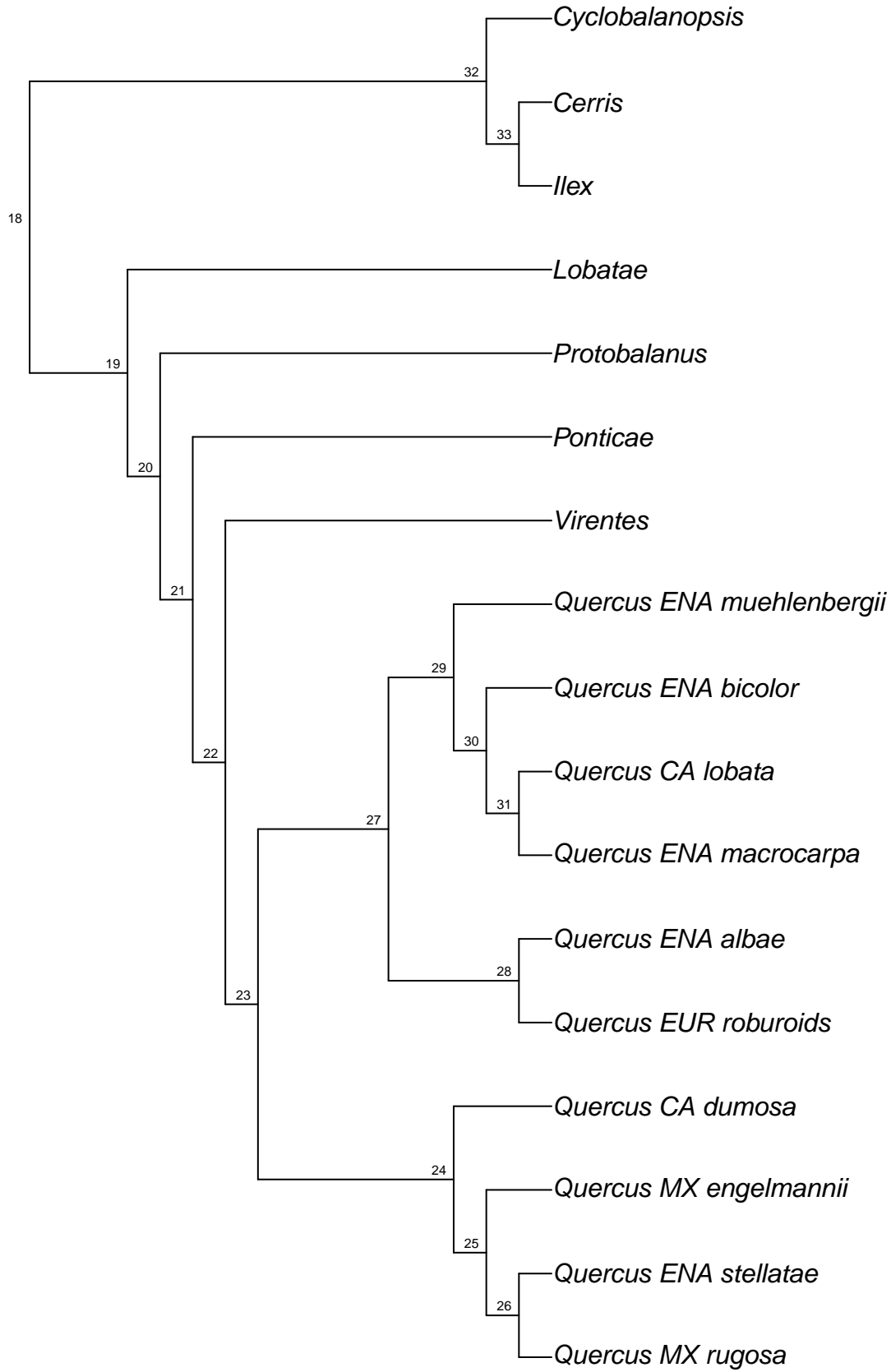
refRAD.ref\_rubra\_raxml.bt035



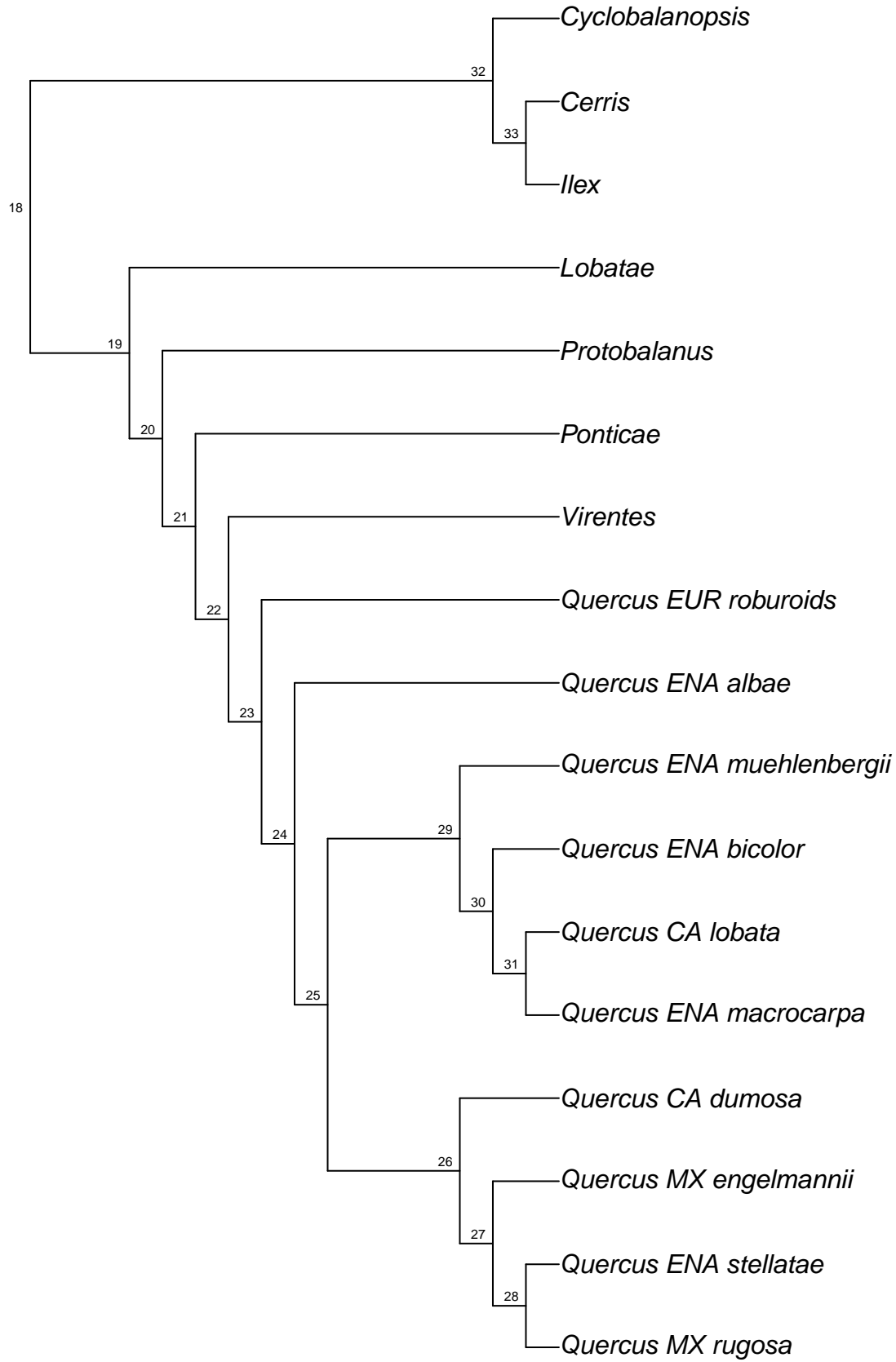
refRAD.ref\_rubra\_raxml.bt036



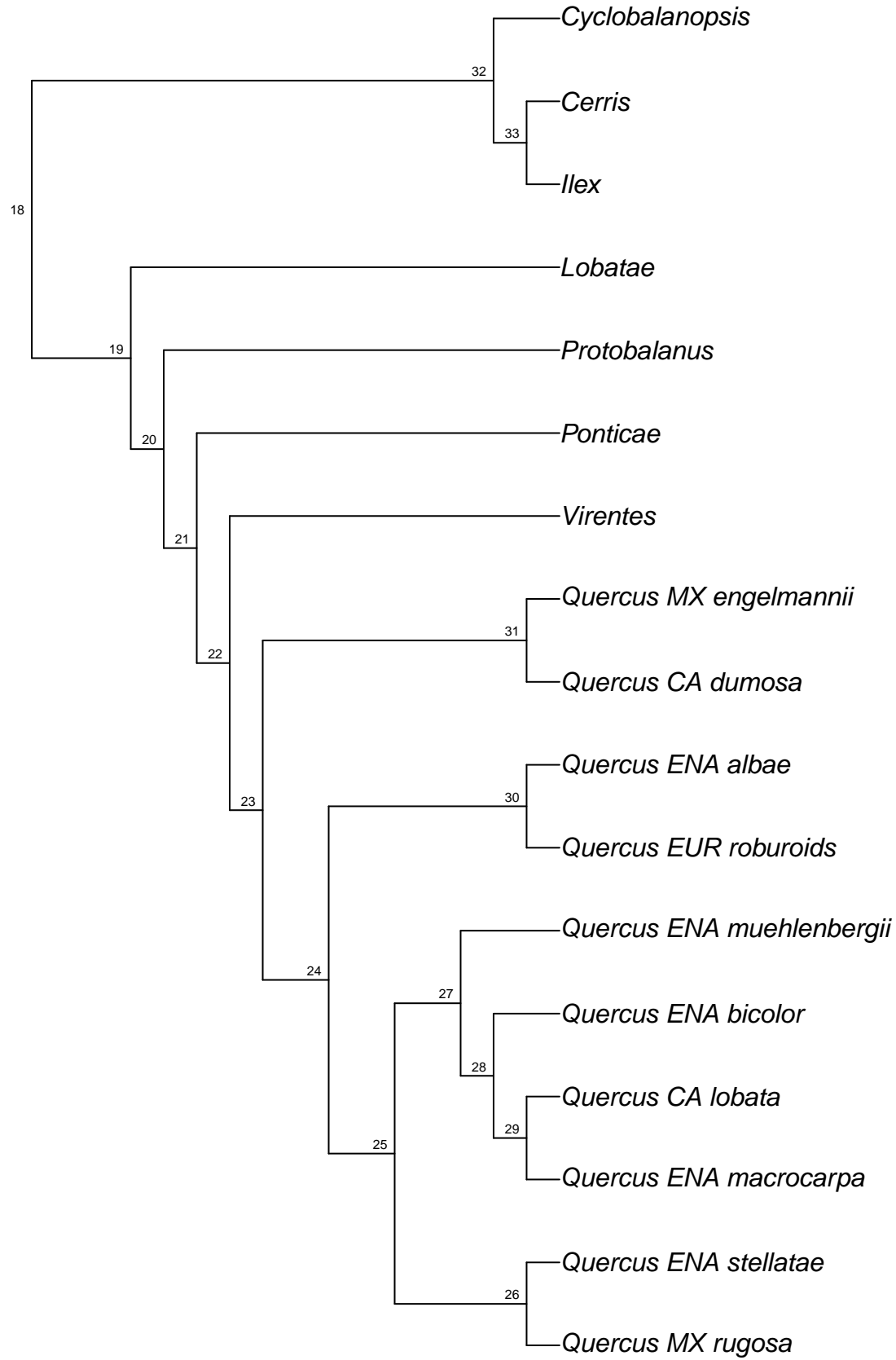
refRAD.ref\_rubra\_raxml.bt037



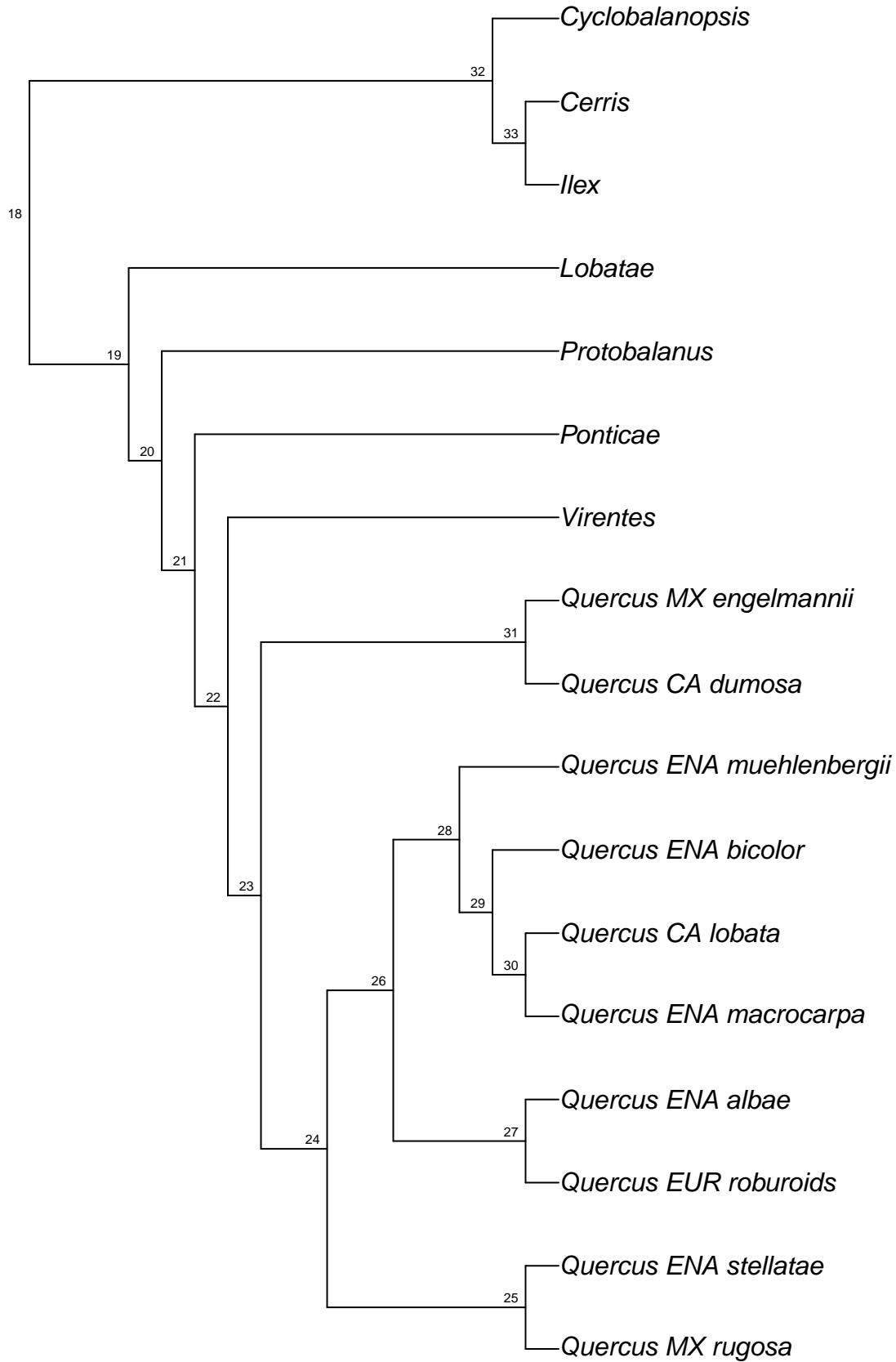
refRAD.ref\_rubra\_raxml.bt038



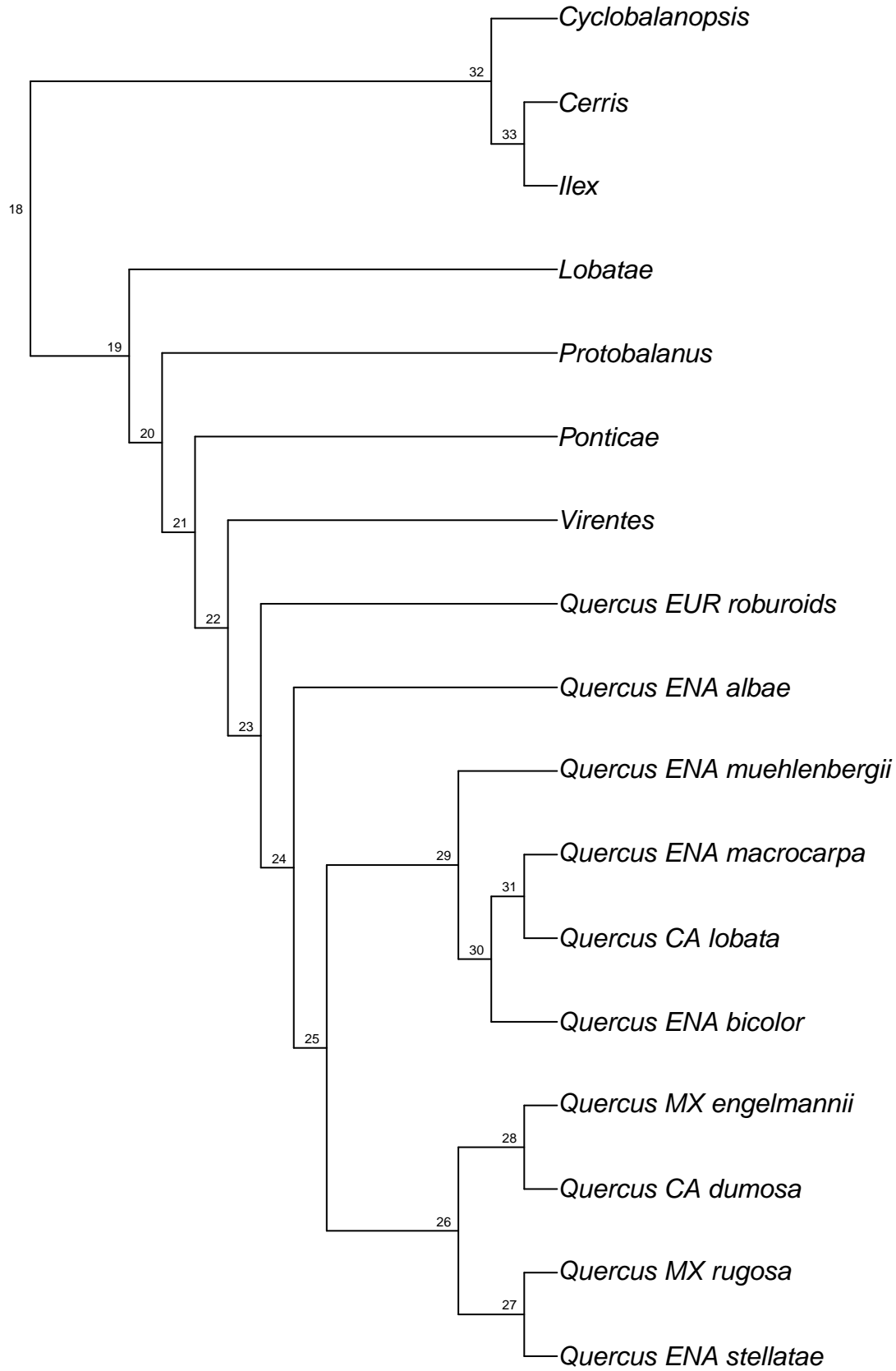
refRAD.ref\_rubra\_raxml.bt039



refRAD.ref\_rubra\_raxml.bt040

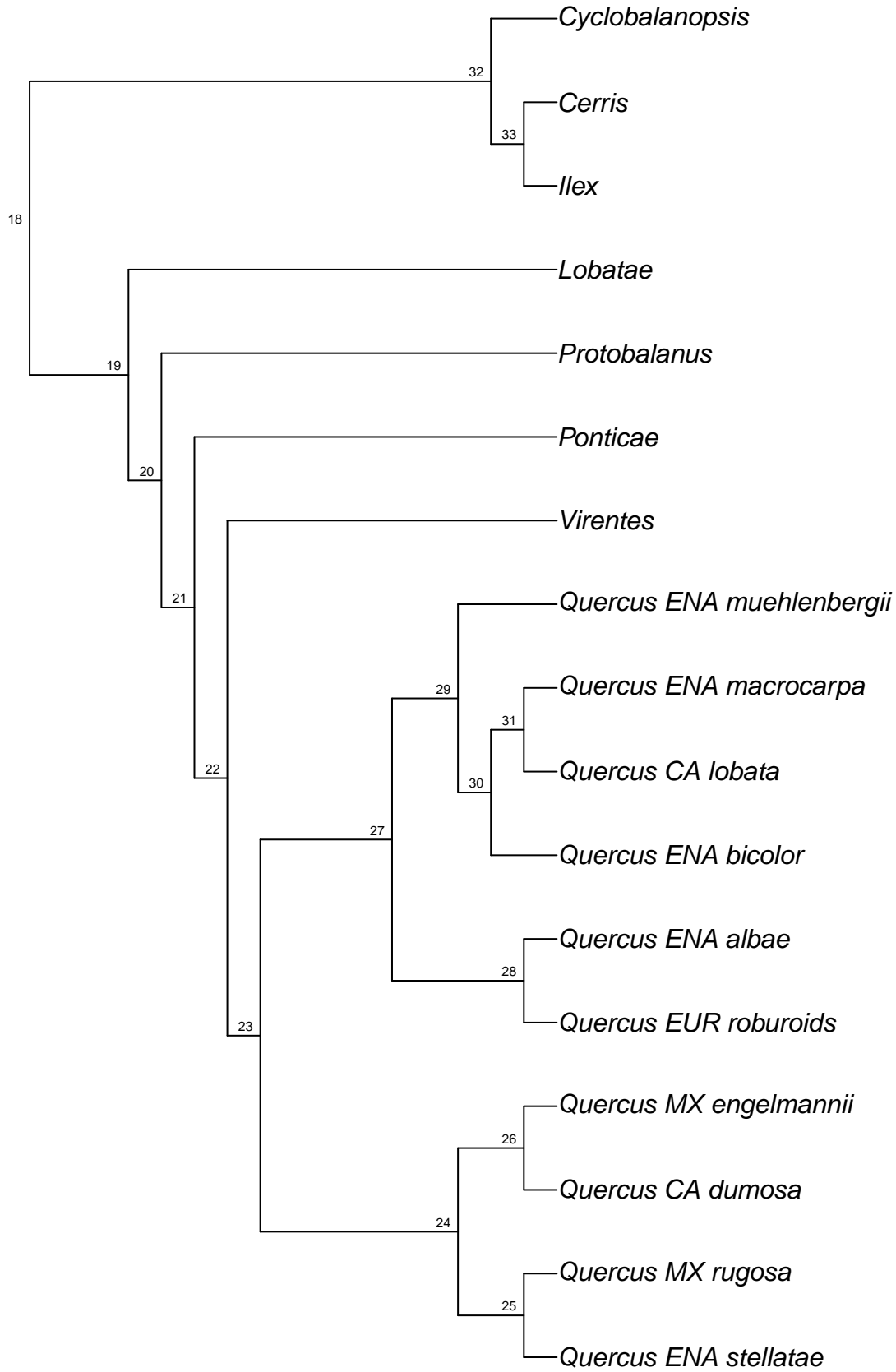


refRAD.ref\_rubra\_raxml.bt041

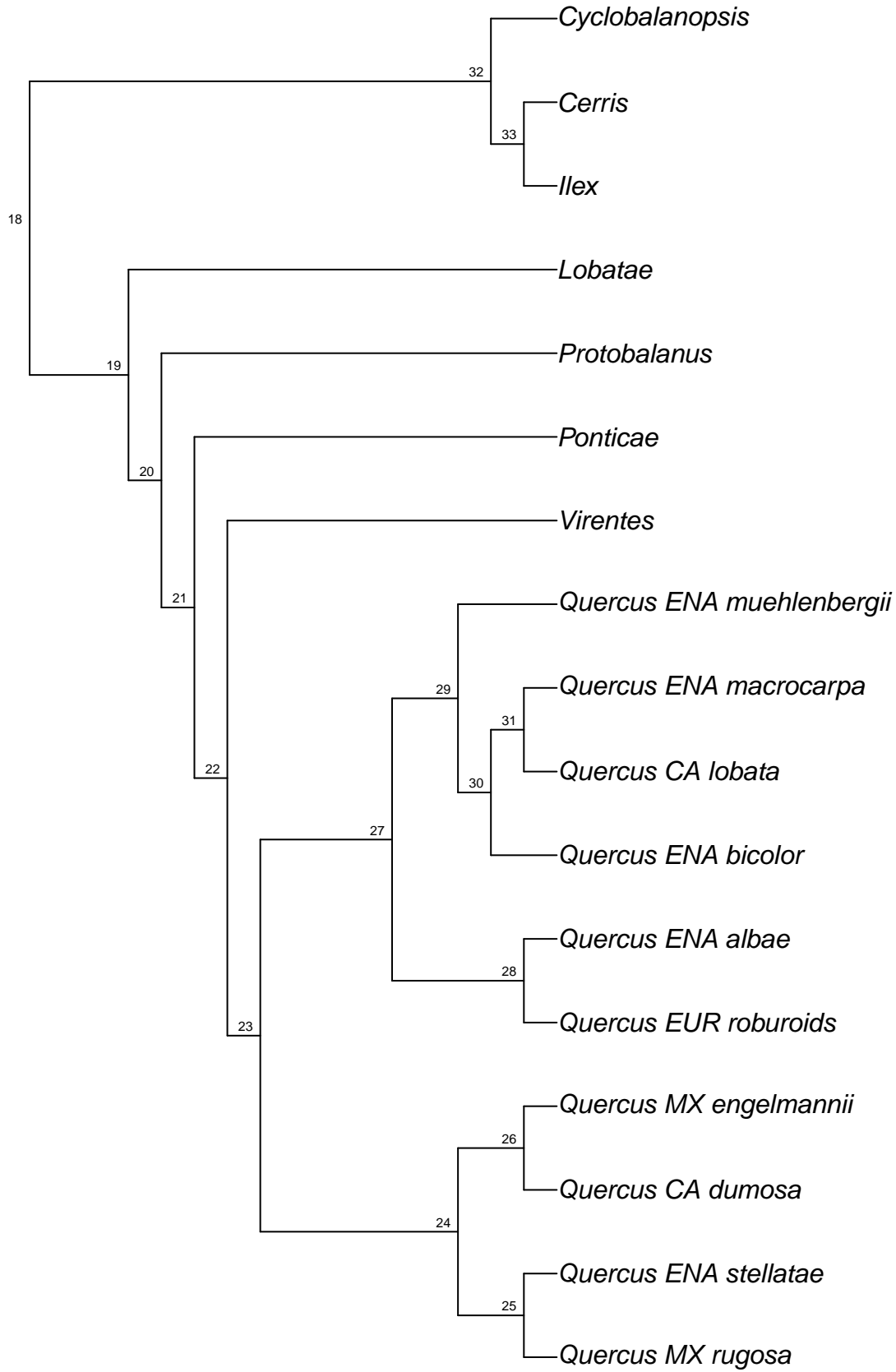




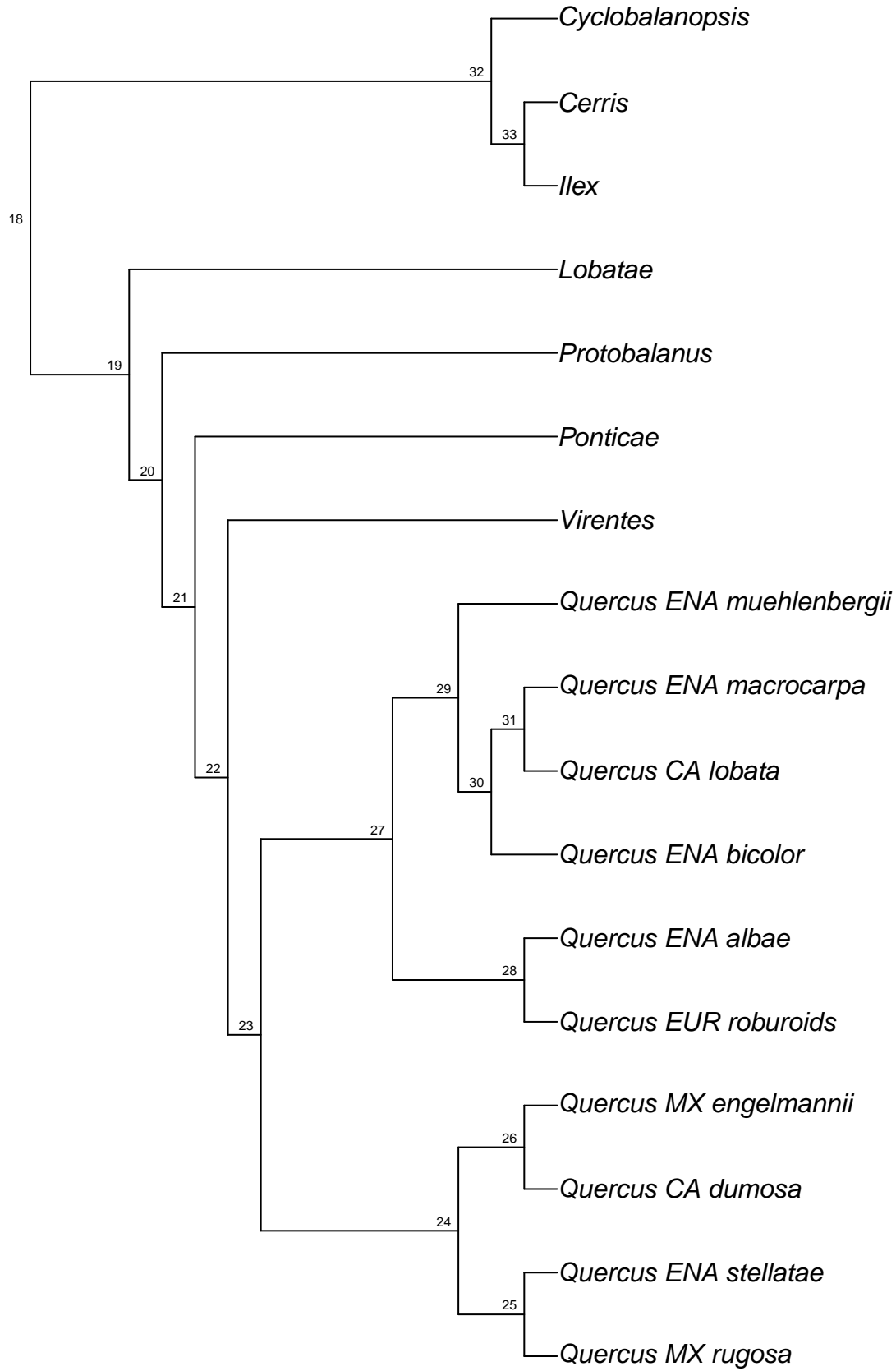
## refRAD.ref\_rubra\_raxml.bt042



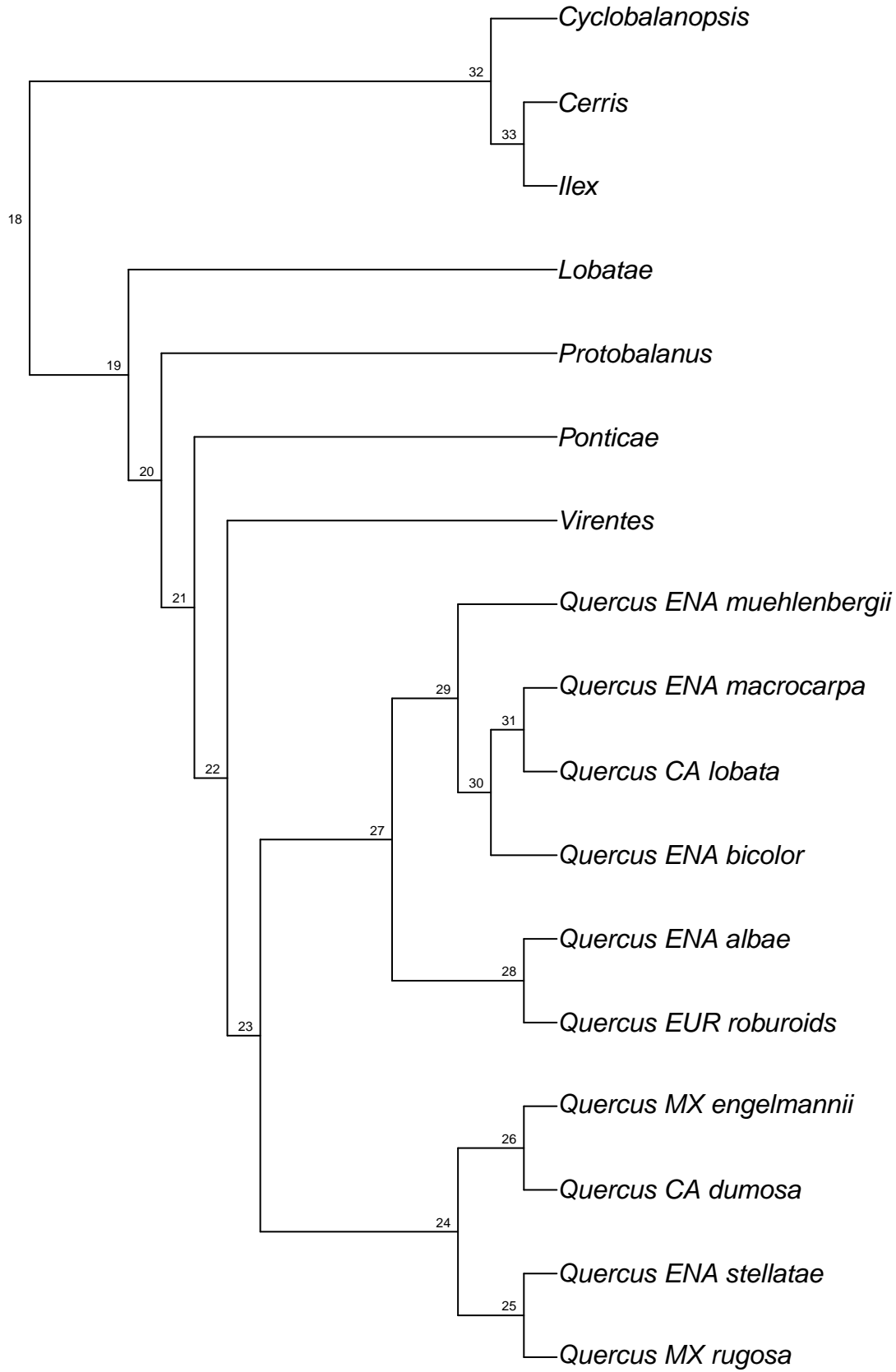
refRAD.ref\_rubra\_raxml.bt043



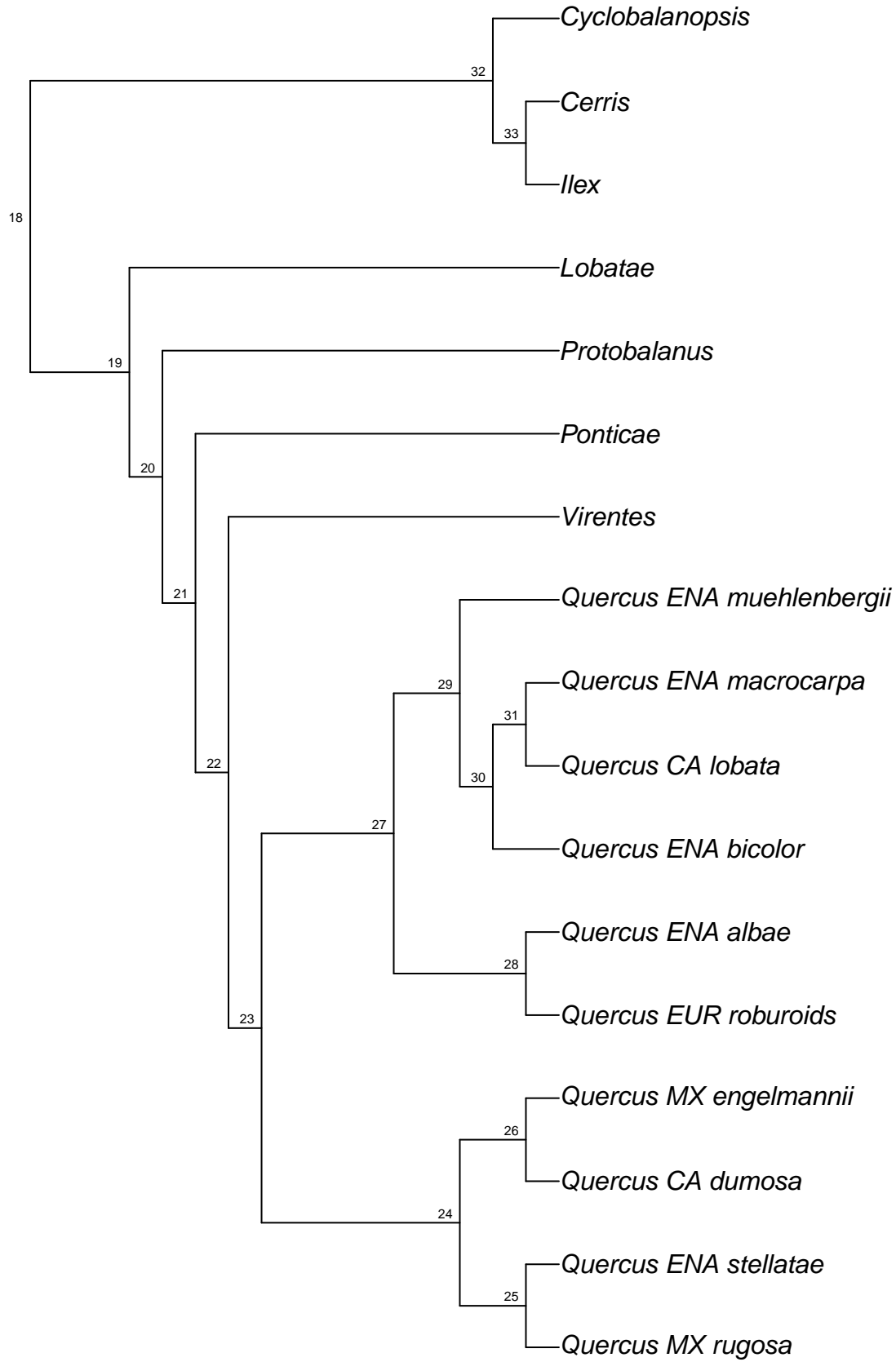
refRAD.ref\_rubra\_raxml.bt044



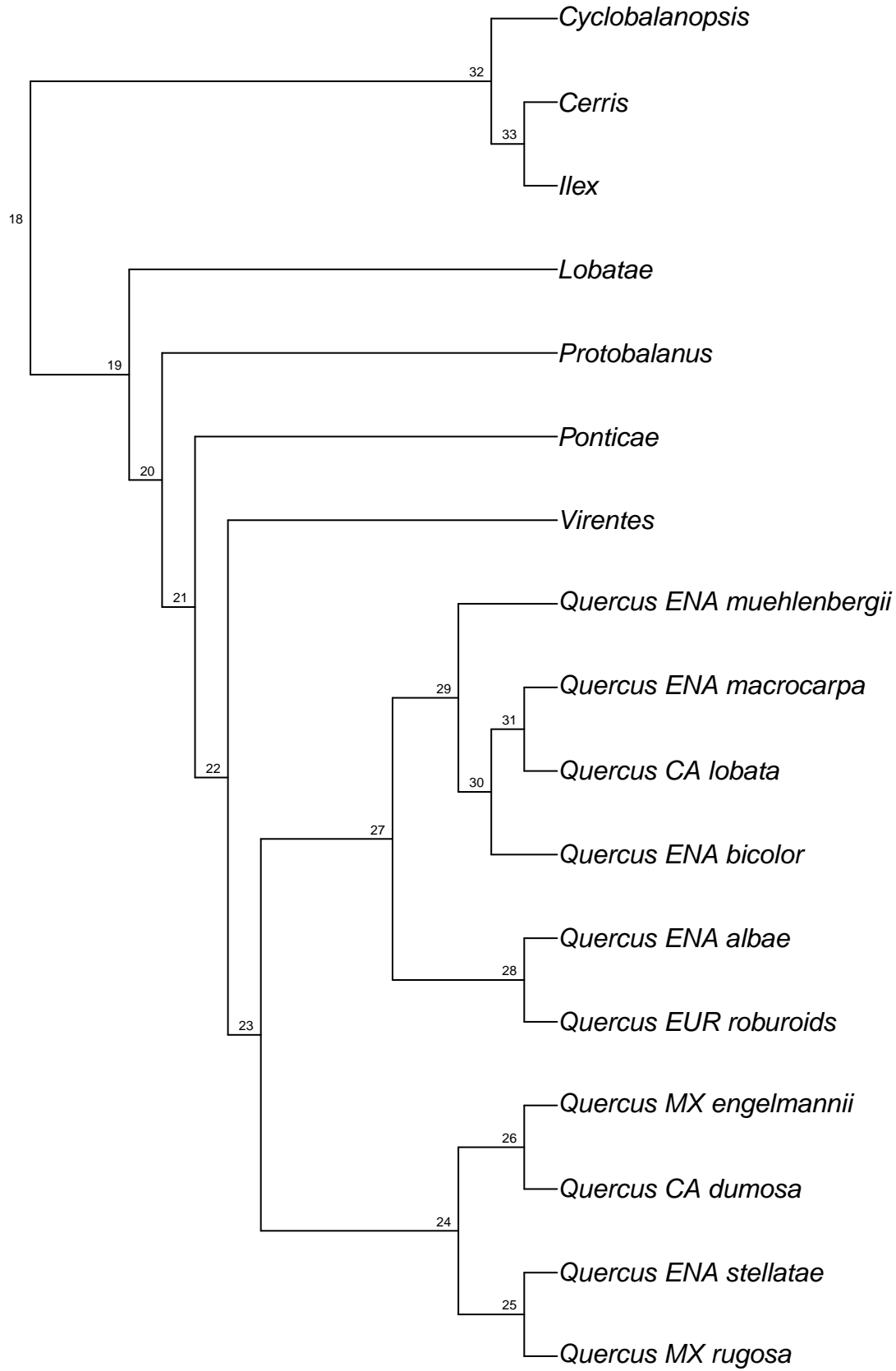
refRAD.ref\_rubra\_raxml.bt045



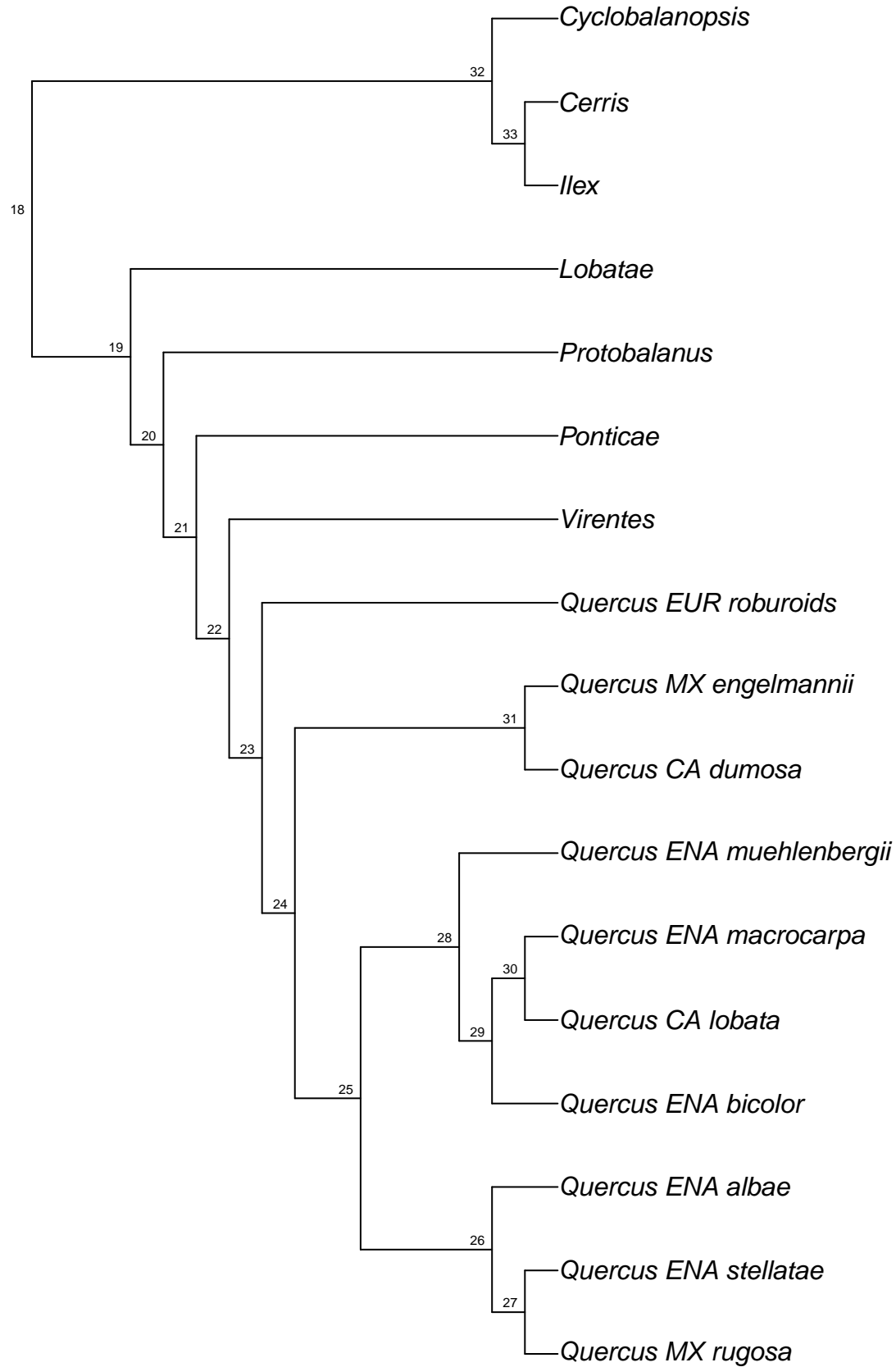
refRAD.ref\_rubra\_raxml.bt046



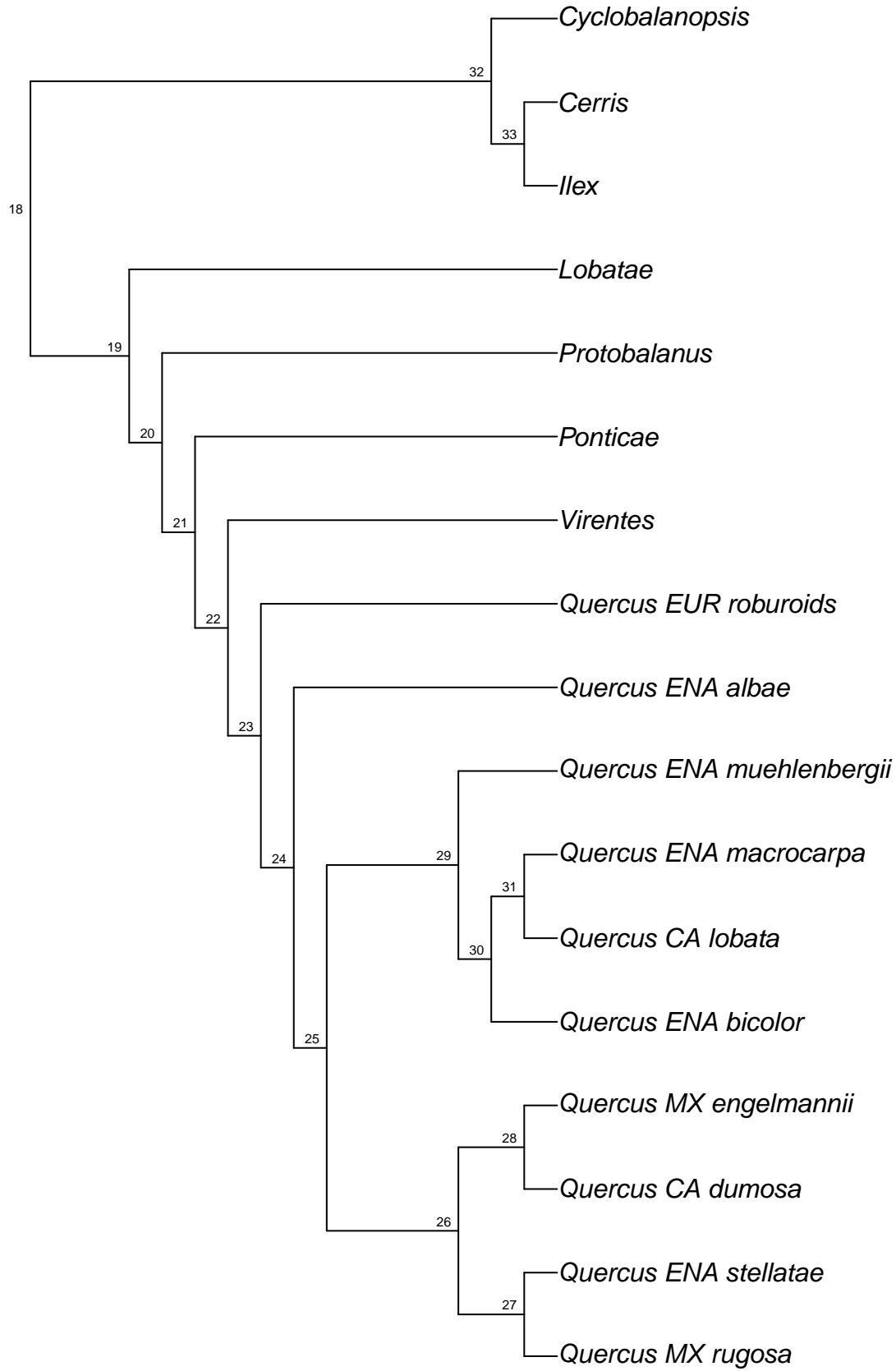
refRAD.ref\_rubra\_raxml.bt047



refRAD.ref\_rubra\_raxml.bt048

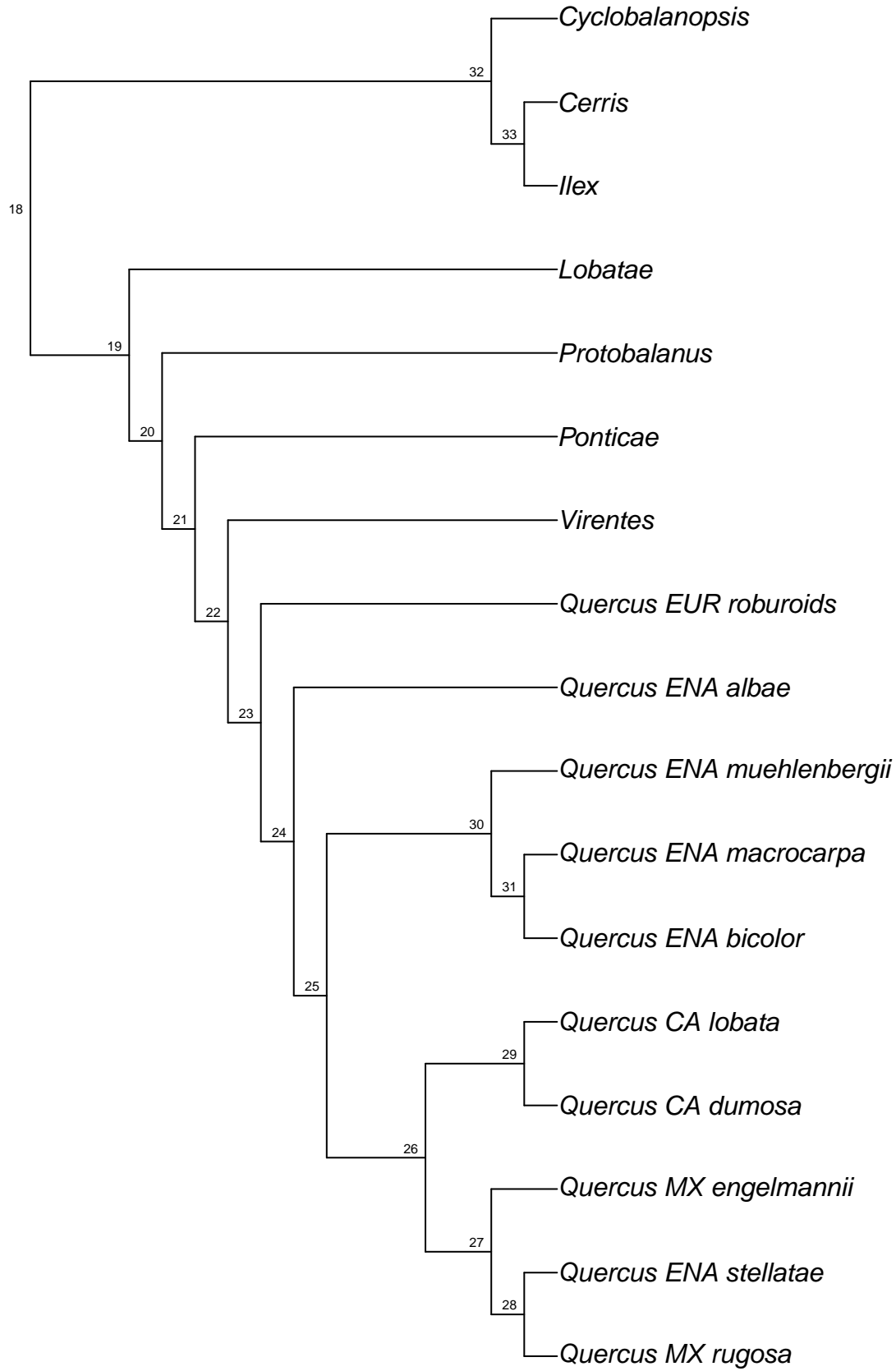


refRAD.ref\_rubra\_raxml.bt049

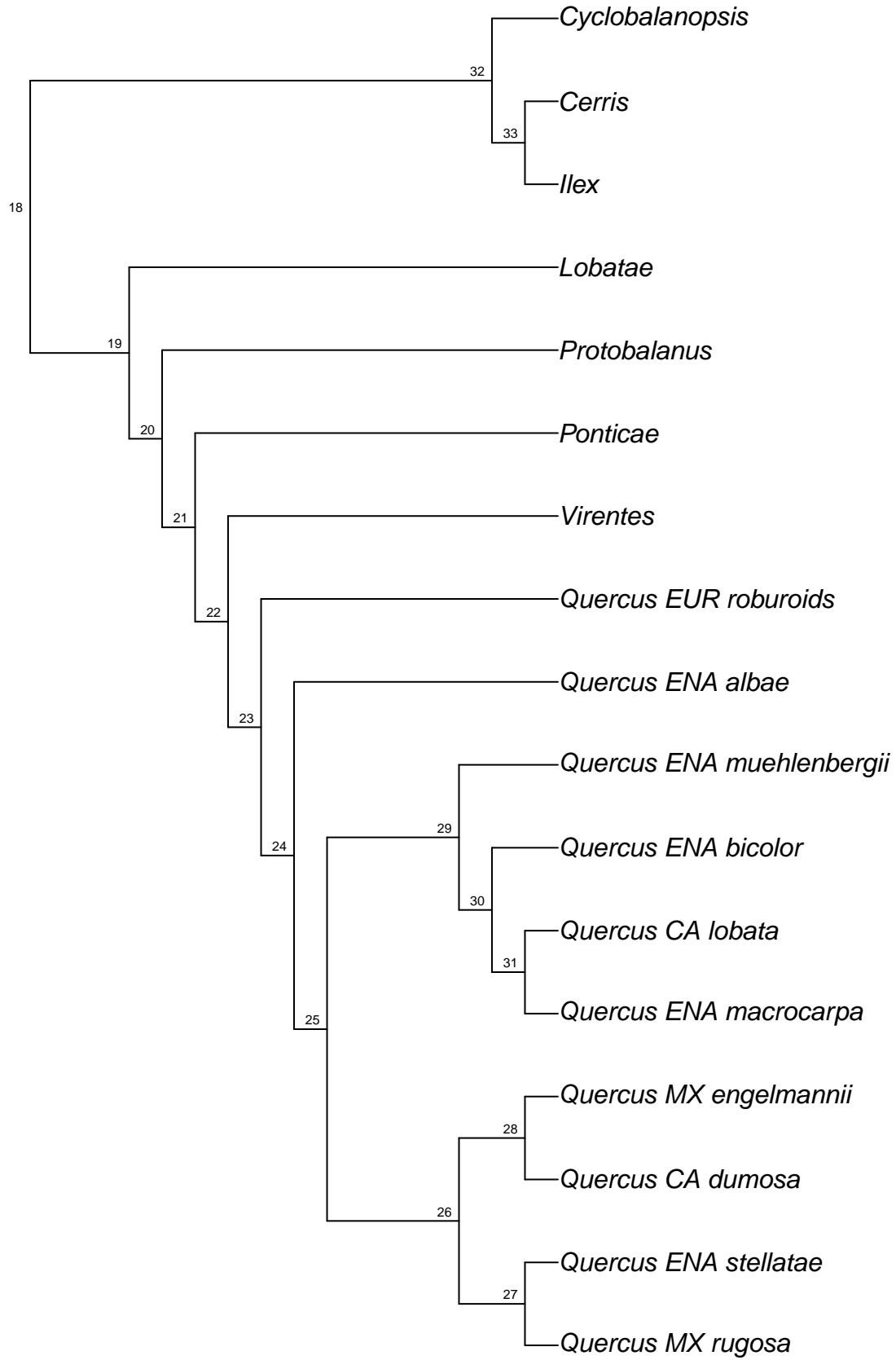




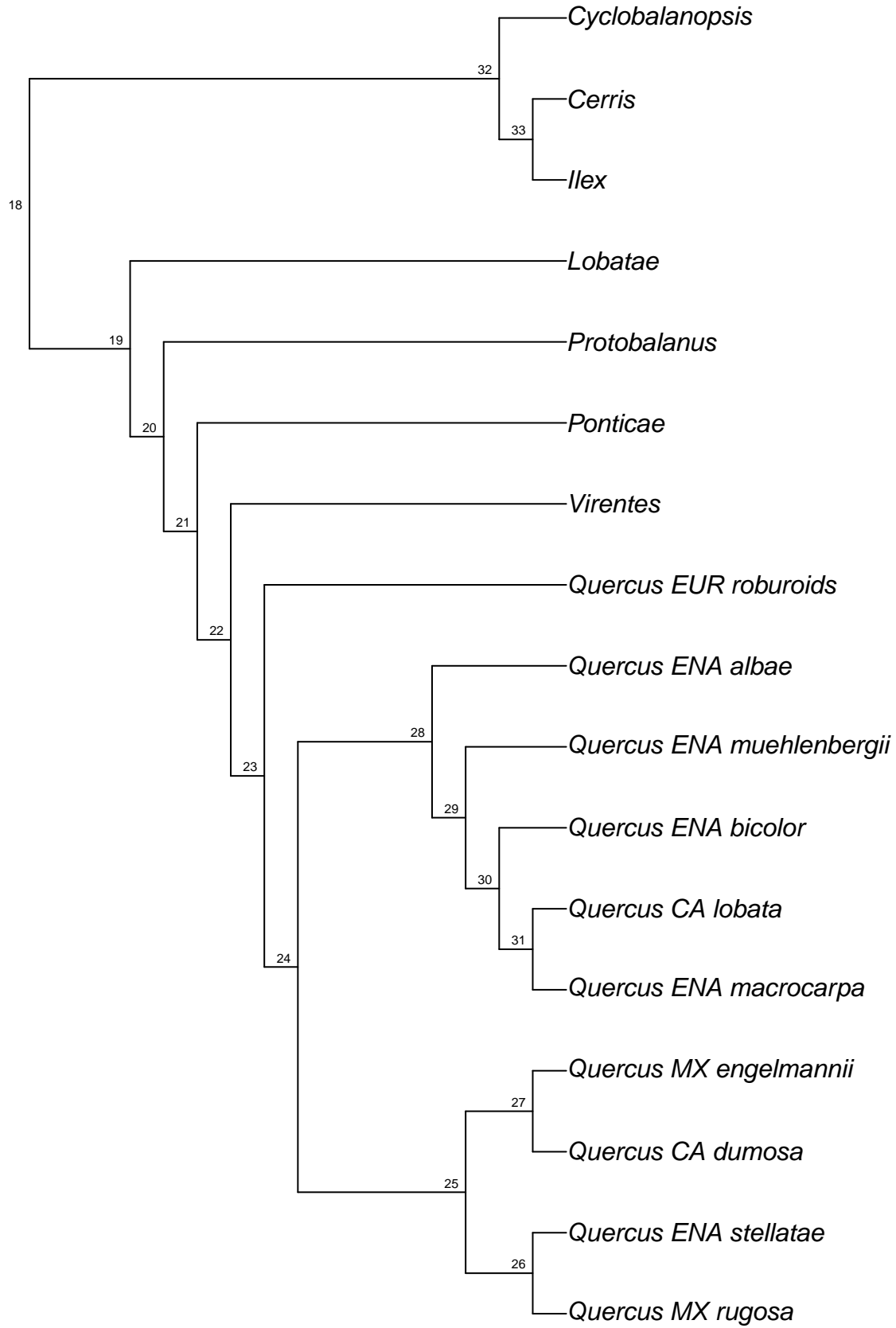
refRAD.ref\_rubra\_raxml.bt050



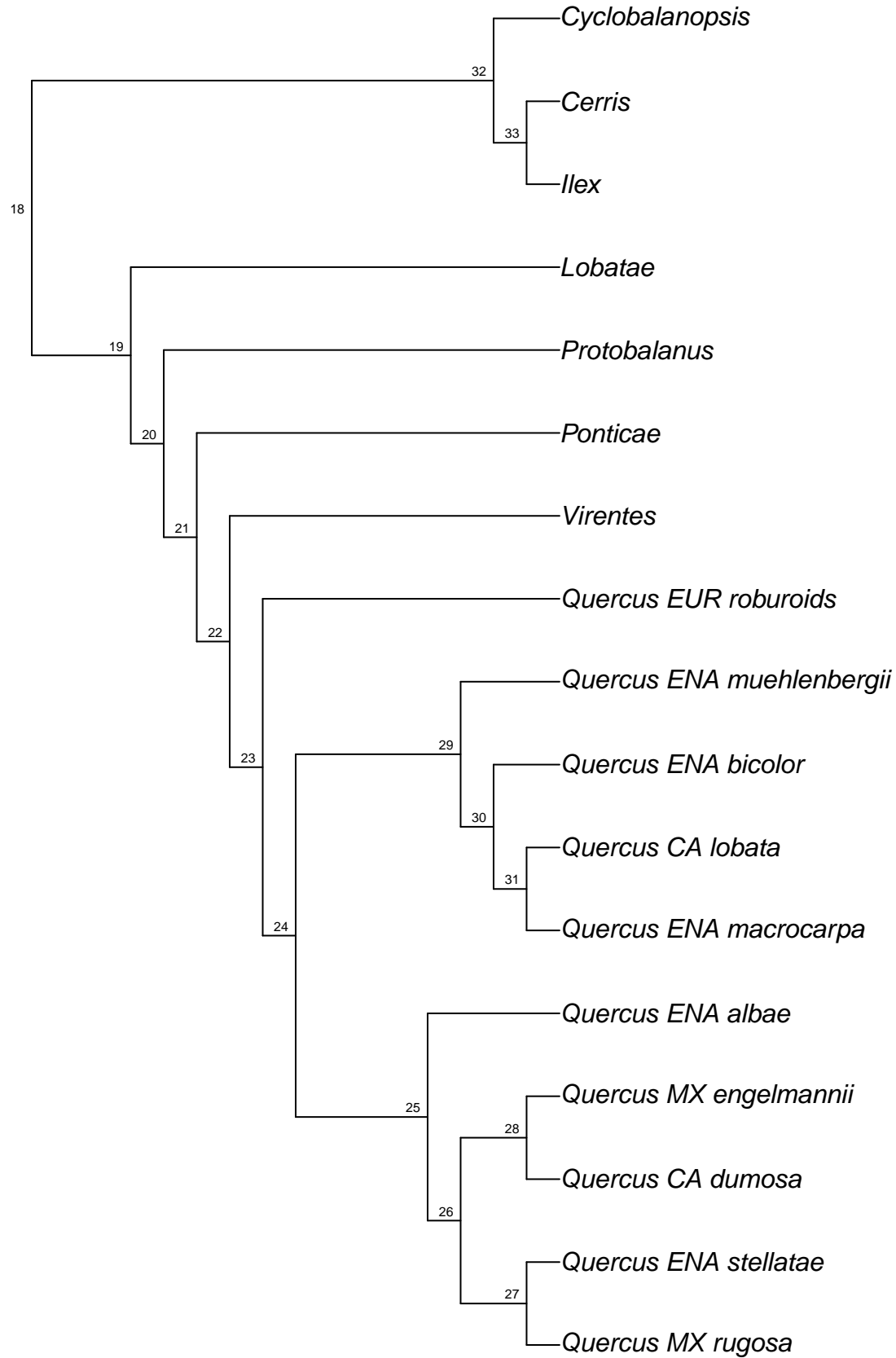
refRAD.ref\_rubra\_raxml.bt051



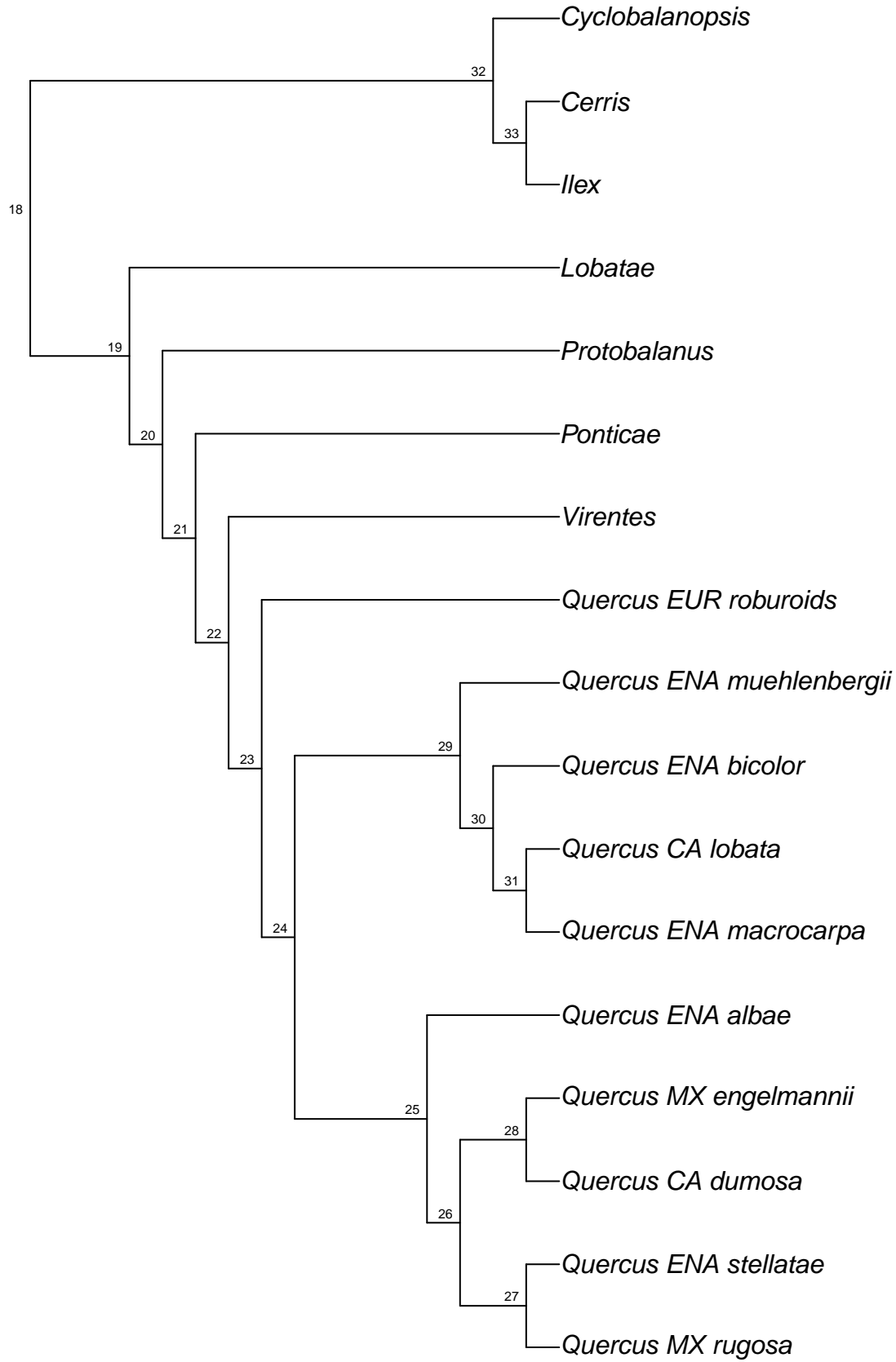
refRAD.ref\_rubra\_raxml.bt052



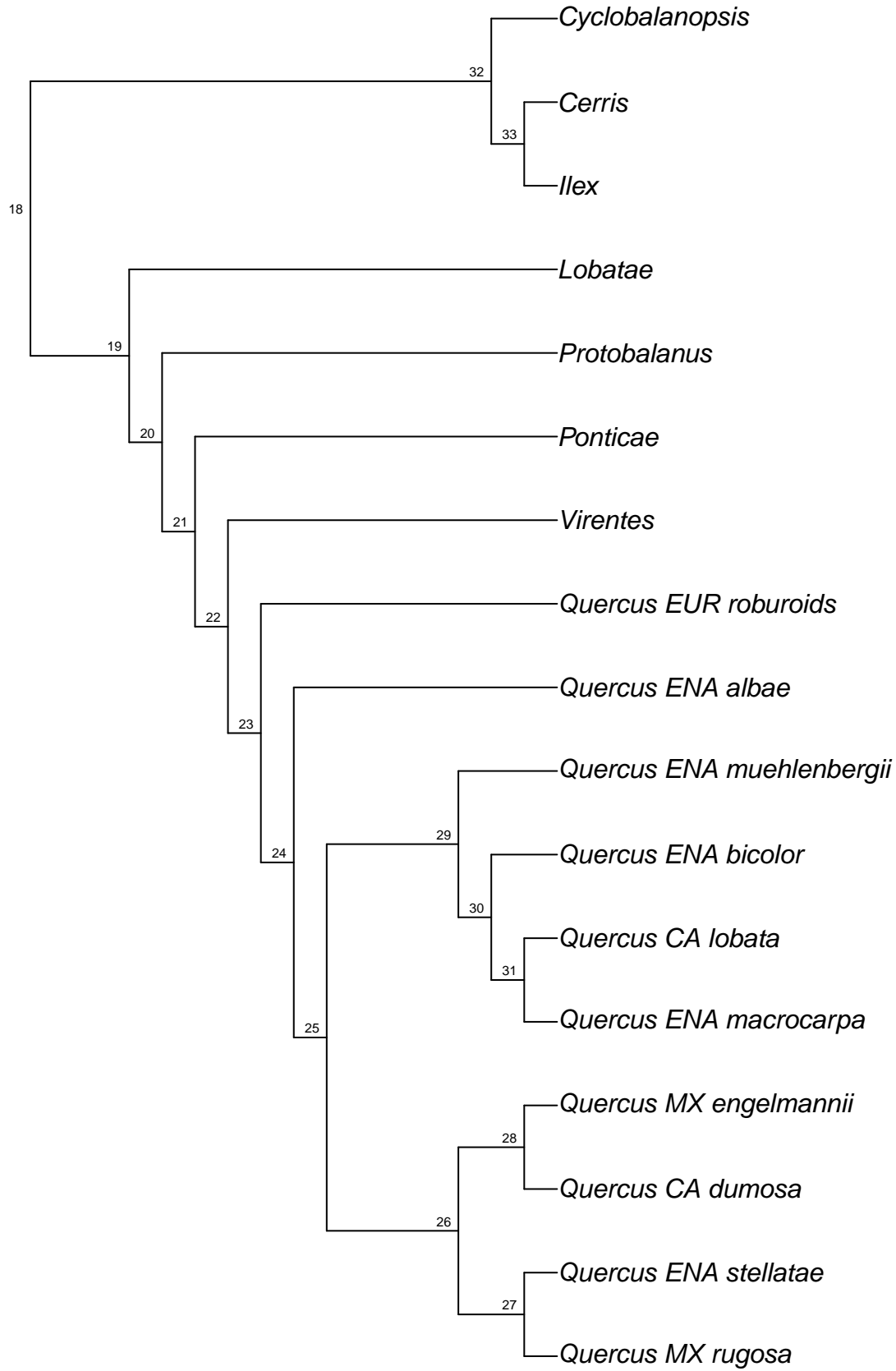
refRAD.ref\_rubra\_raxml.bt053



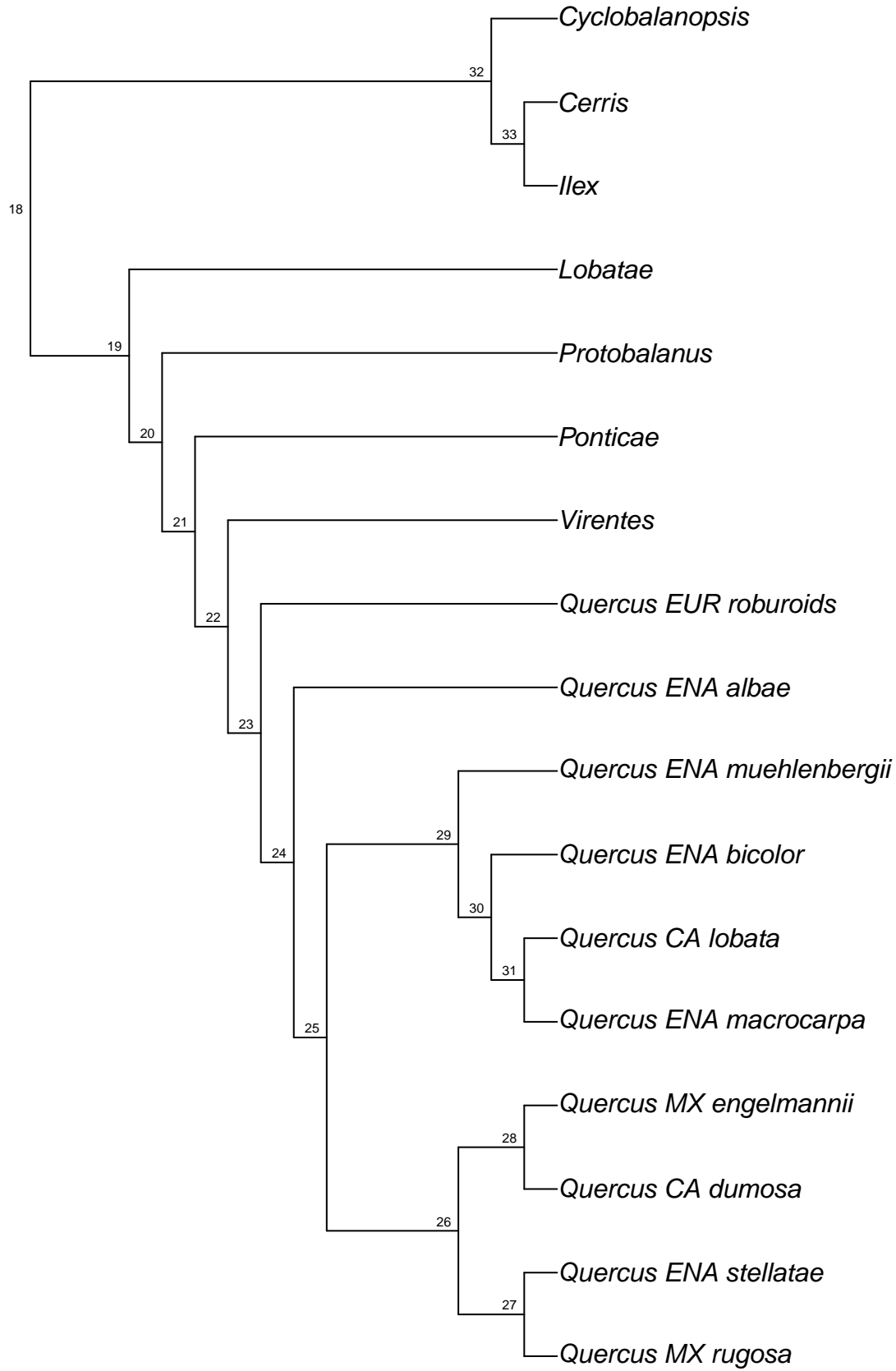
refRAD.ref\_rubra\_raxml.bt054



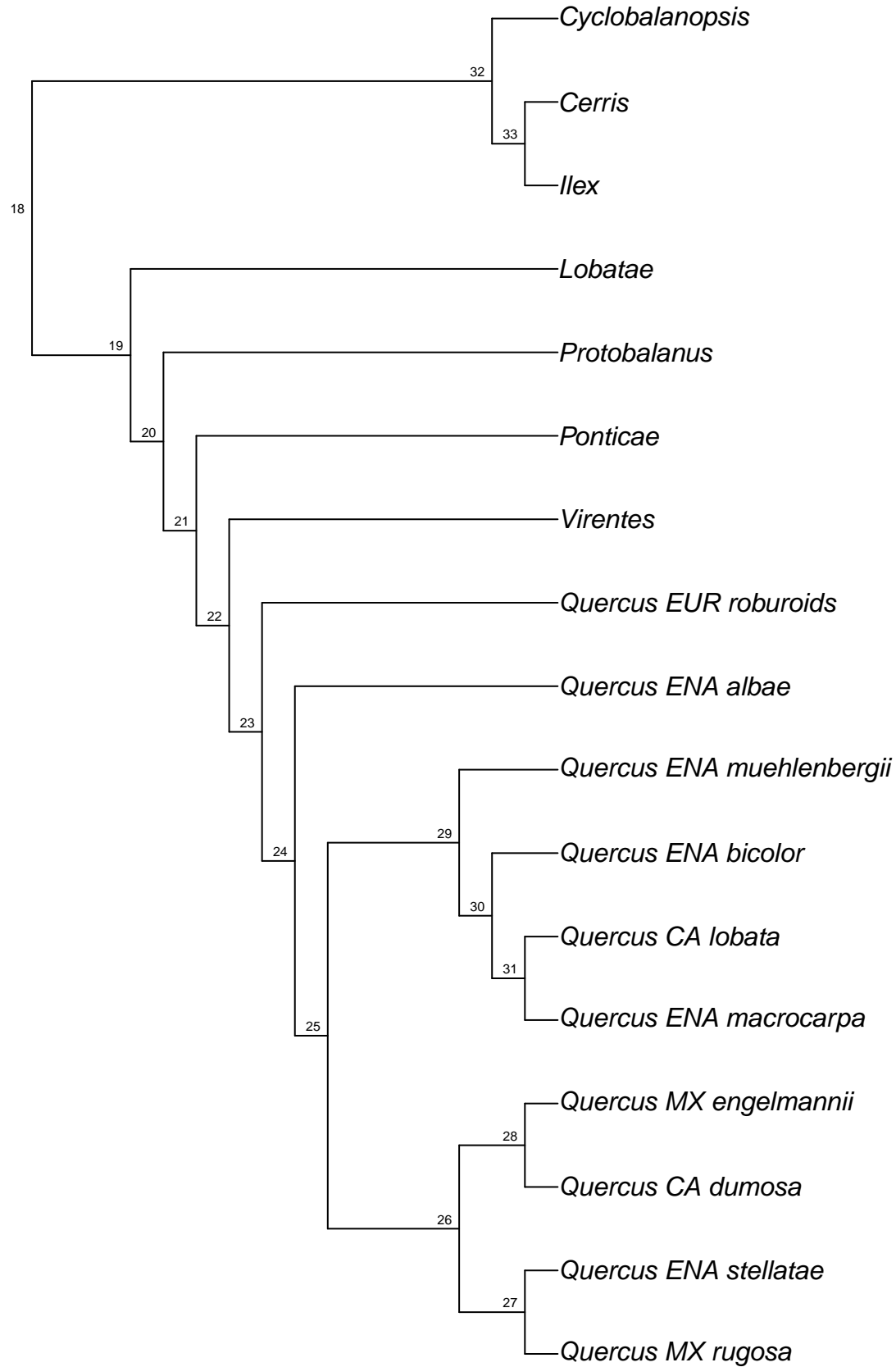
refRAD.ref\_rubra\_raxml.bt055



refRAD.ref\_rubra\_raxml.bt056

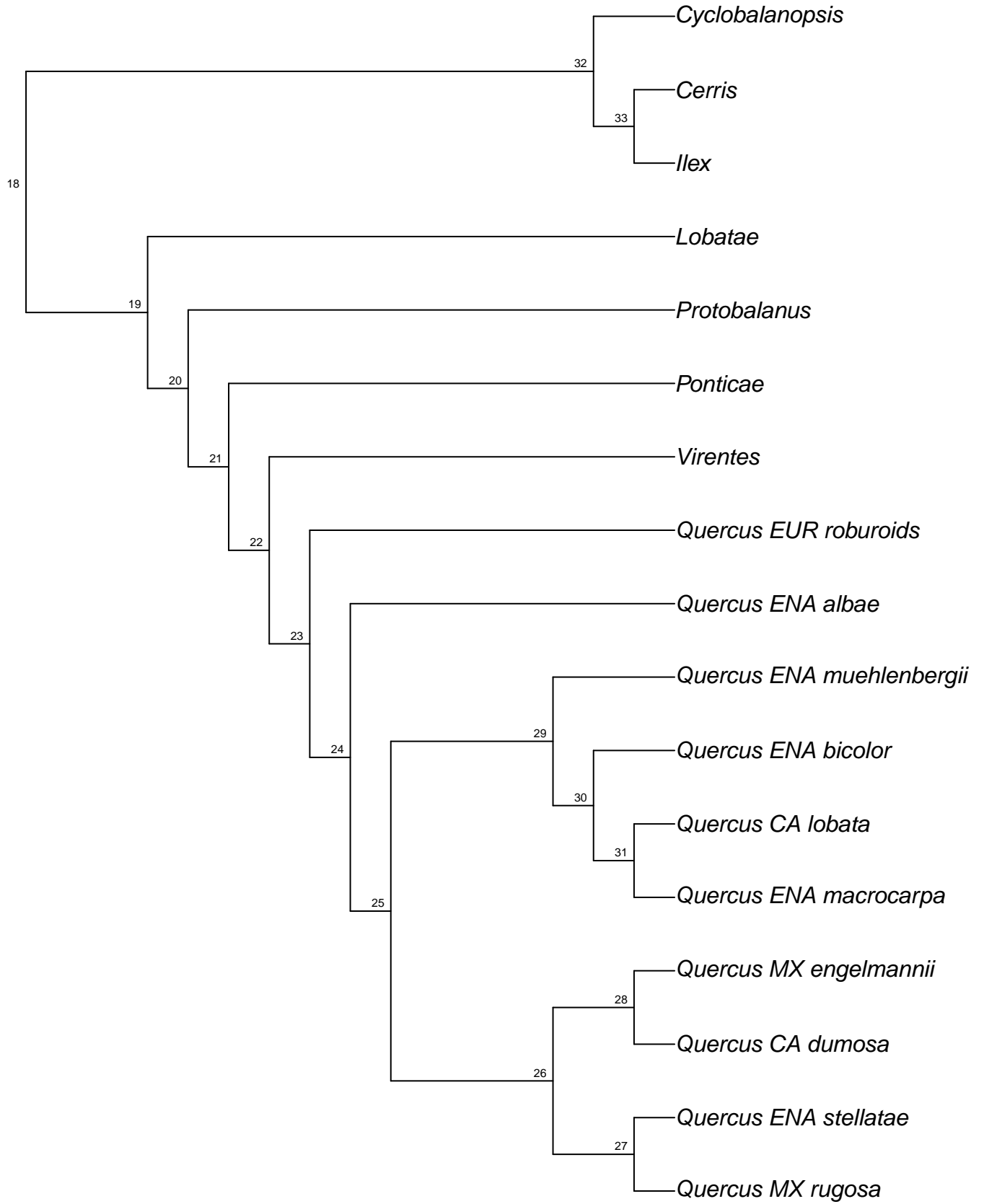


refRAD.ref\_rubra\_raxml.bt057

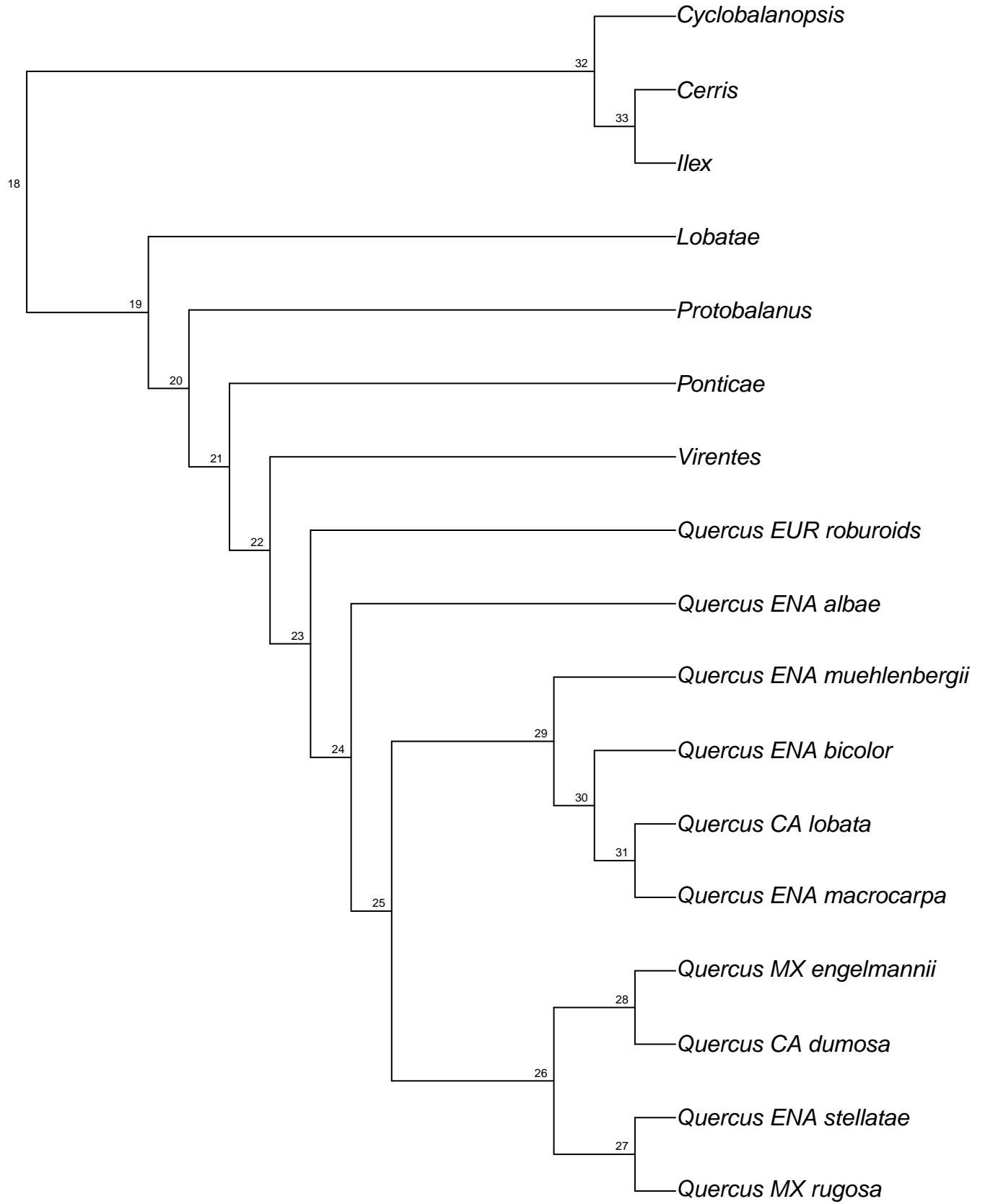




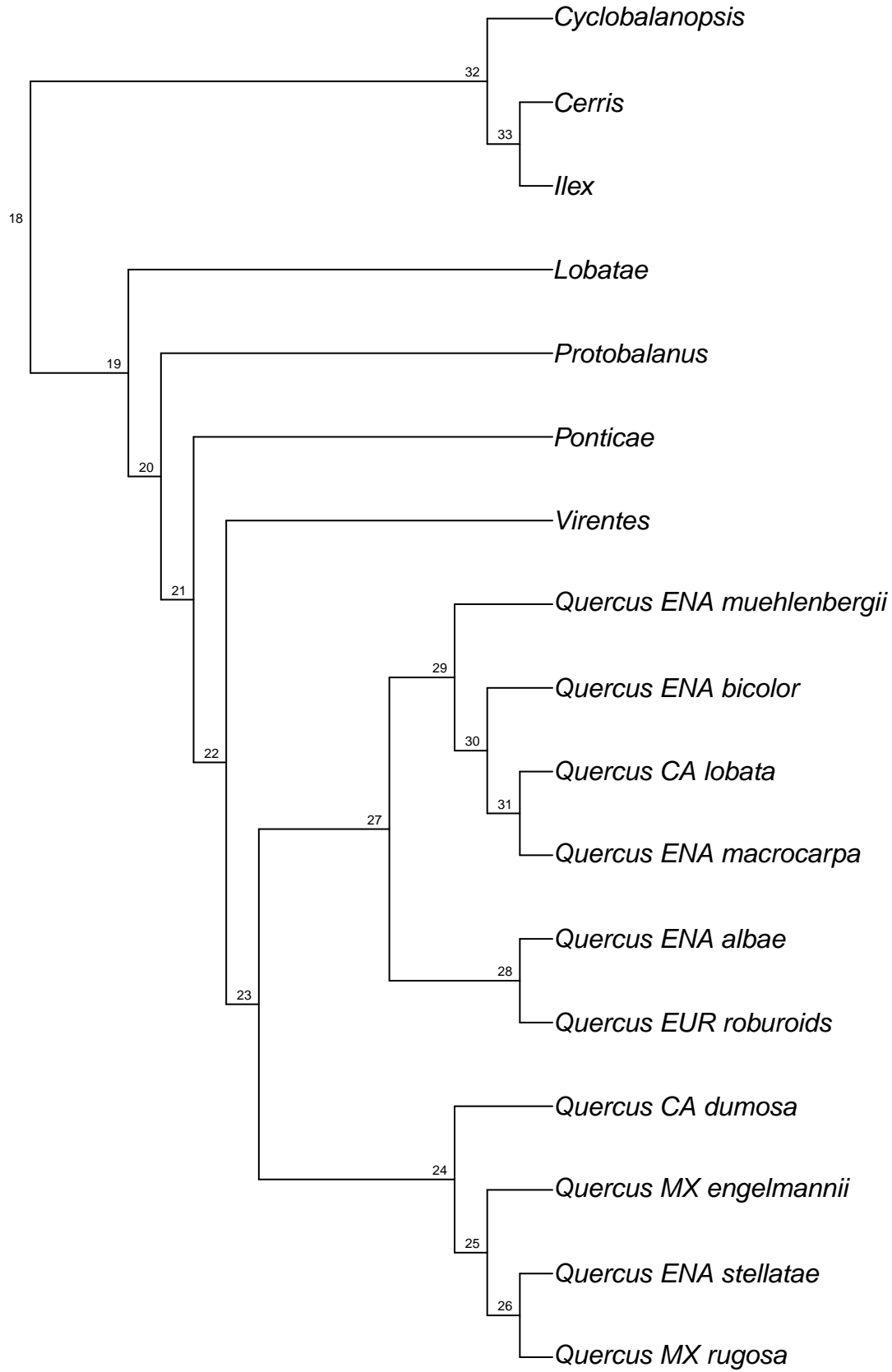
refRAD.ref\_rubra\_raxml.bt058



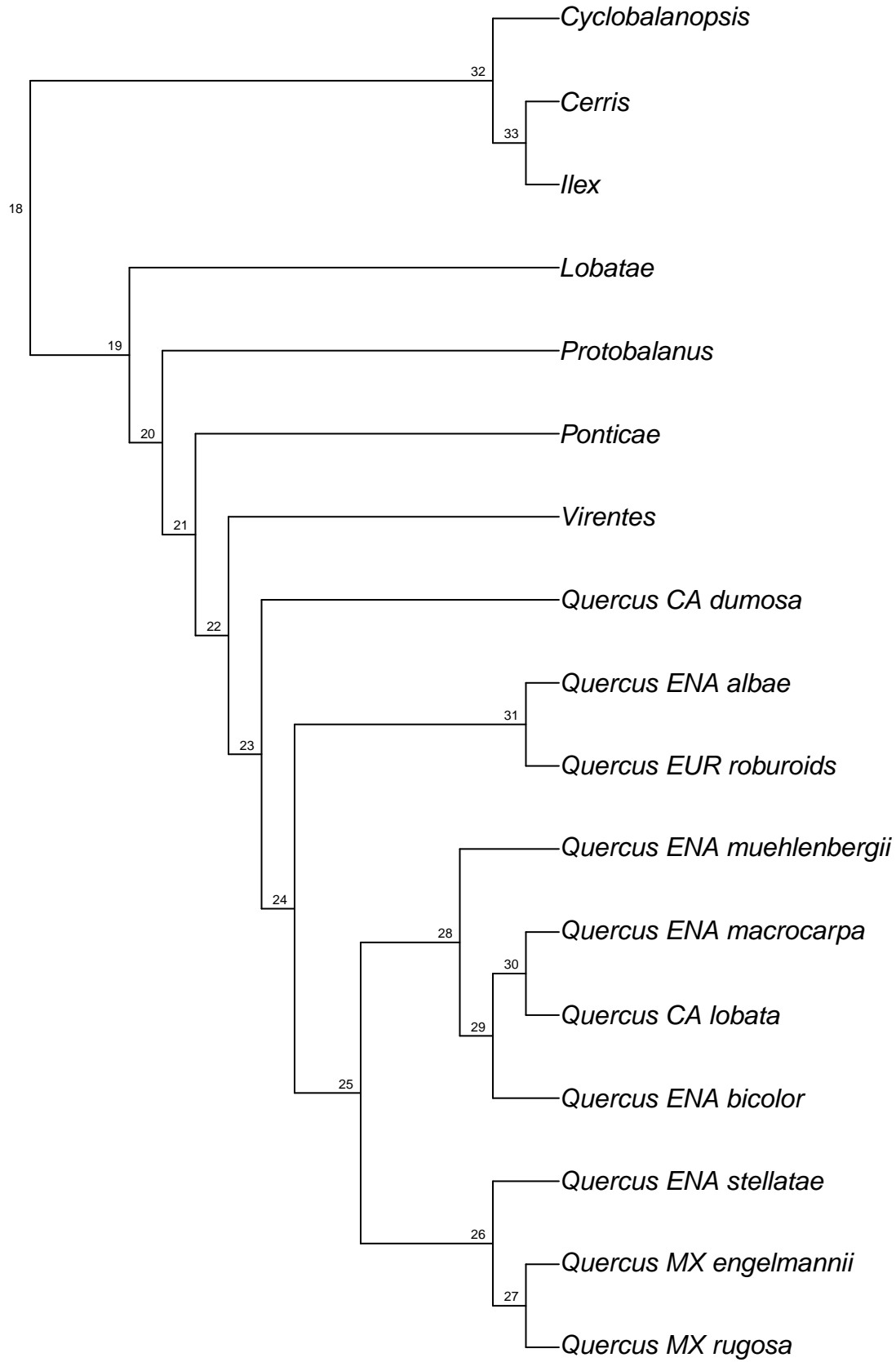
refRAD.ref\_rubra\_raxml.bt059



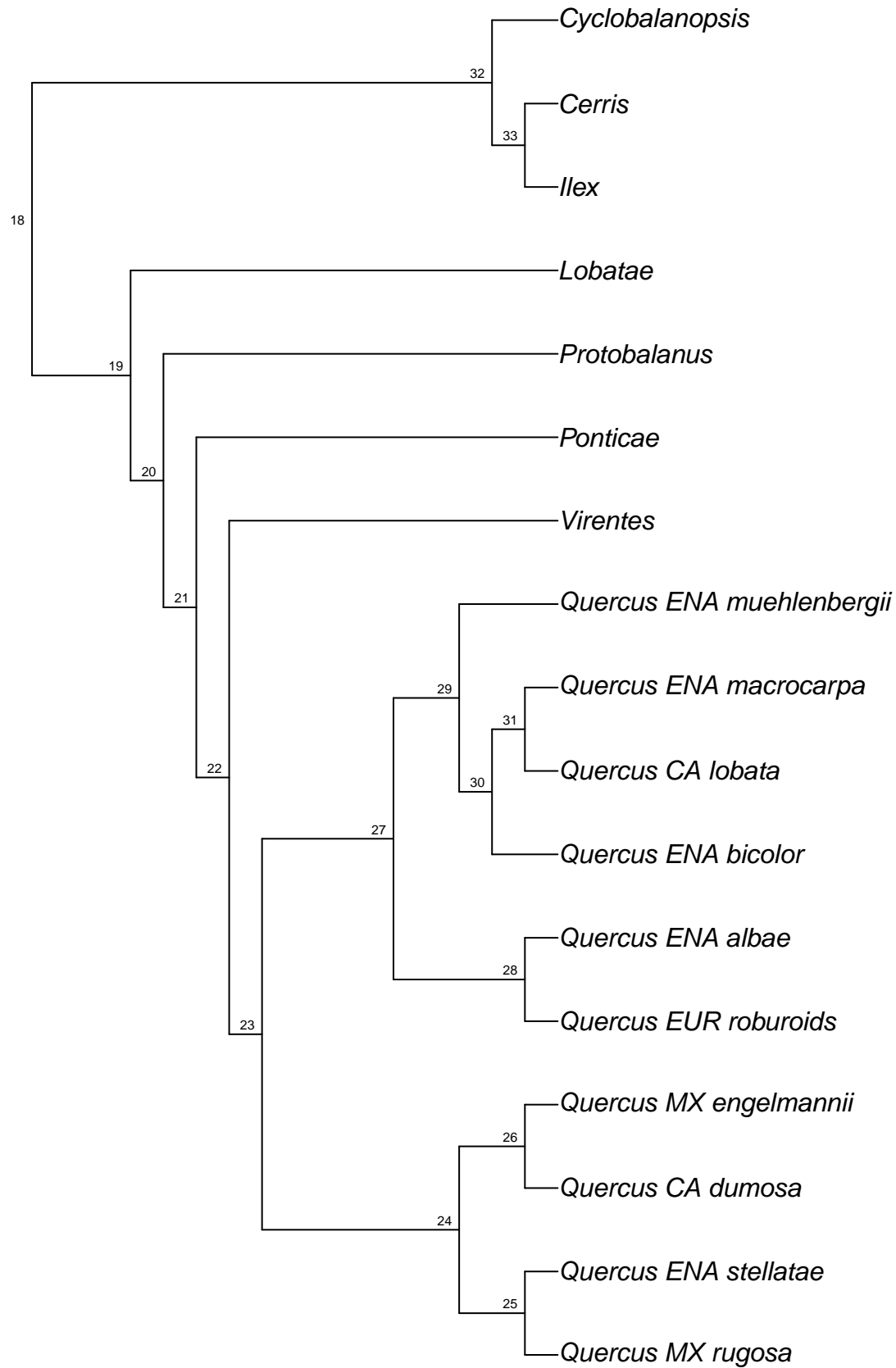
refRAD.ref\_rubra\_raxml.bt060



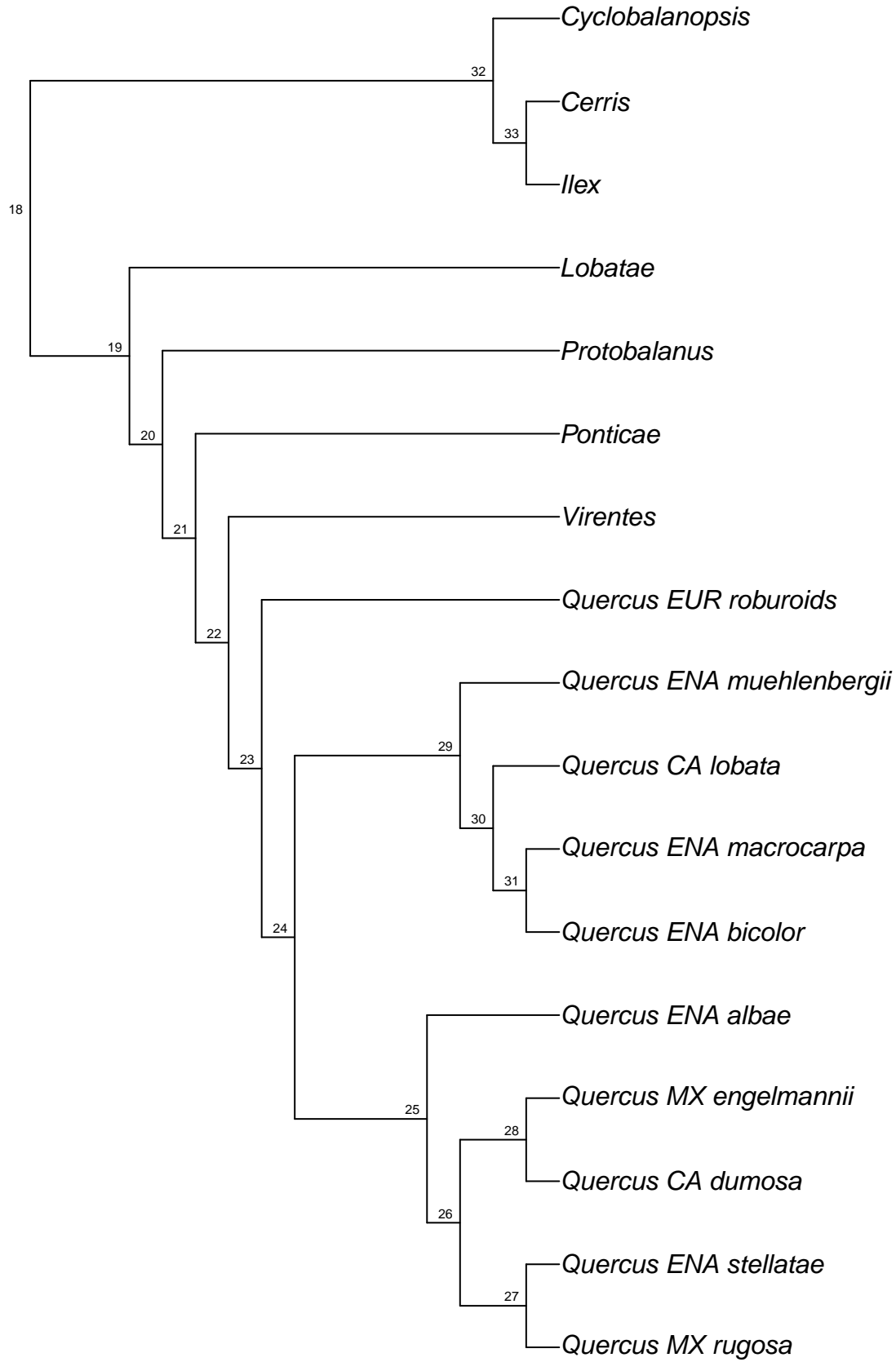
refRAD.ref\_rubra\_raxml.bt061



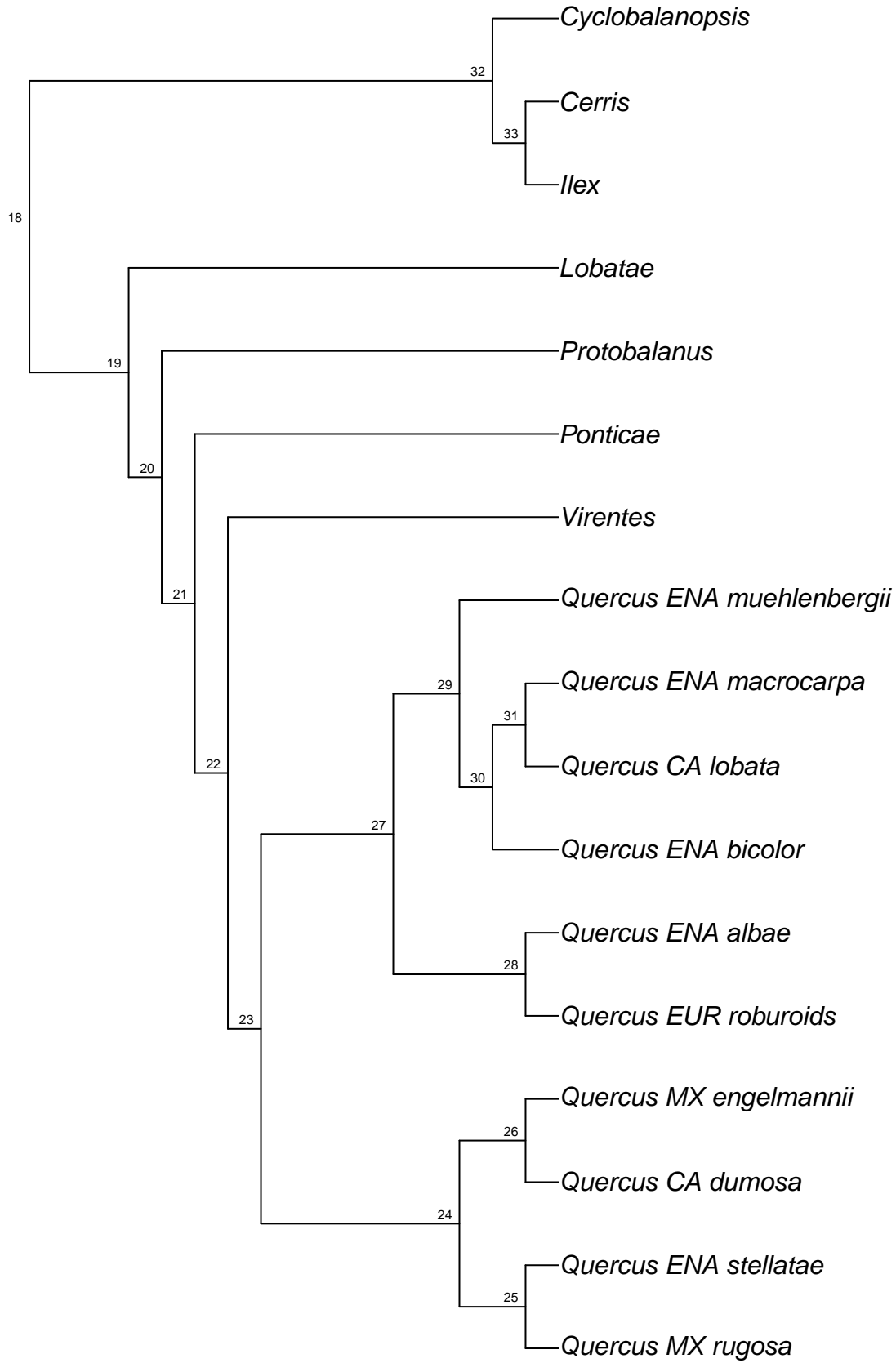
## refRAD.ref\_rubra\_raxml.bt062



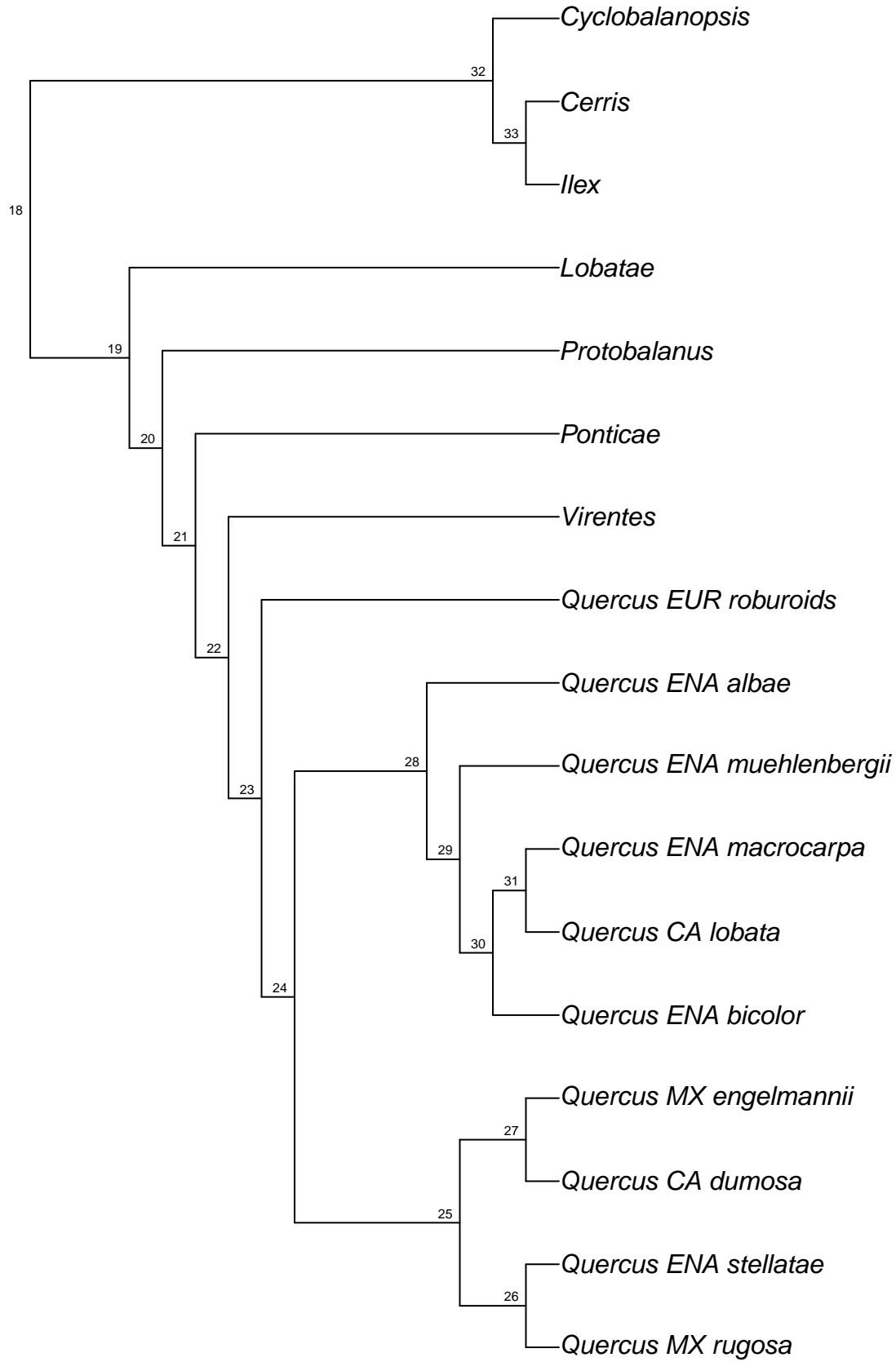
refRAD.ref\_rubra\_raxml.bt063



refRAD.ref\_rubra\_raxml.bt064

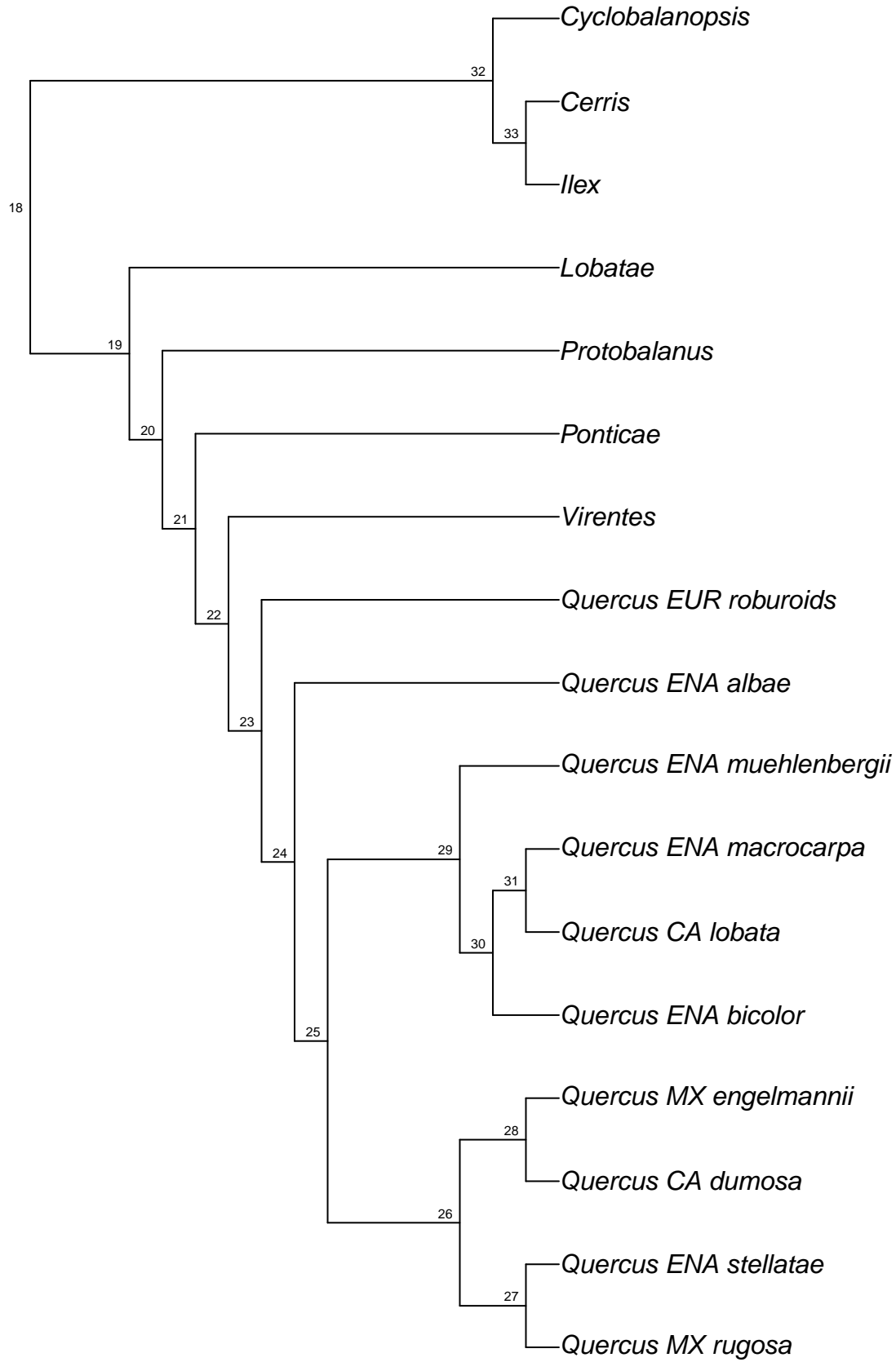


refRAD.ref\_rubra\_raxml.bt065

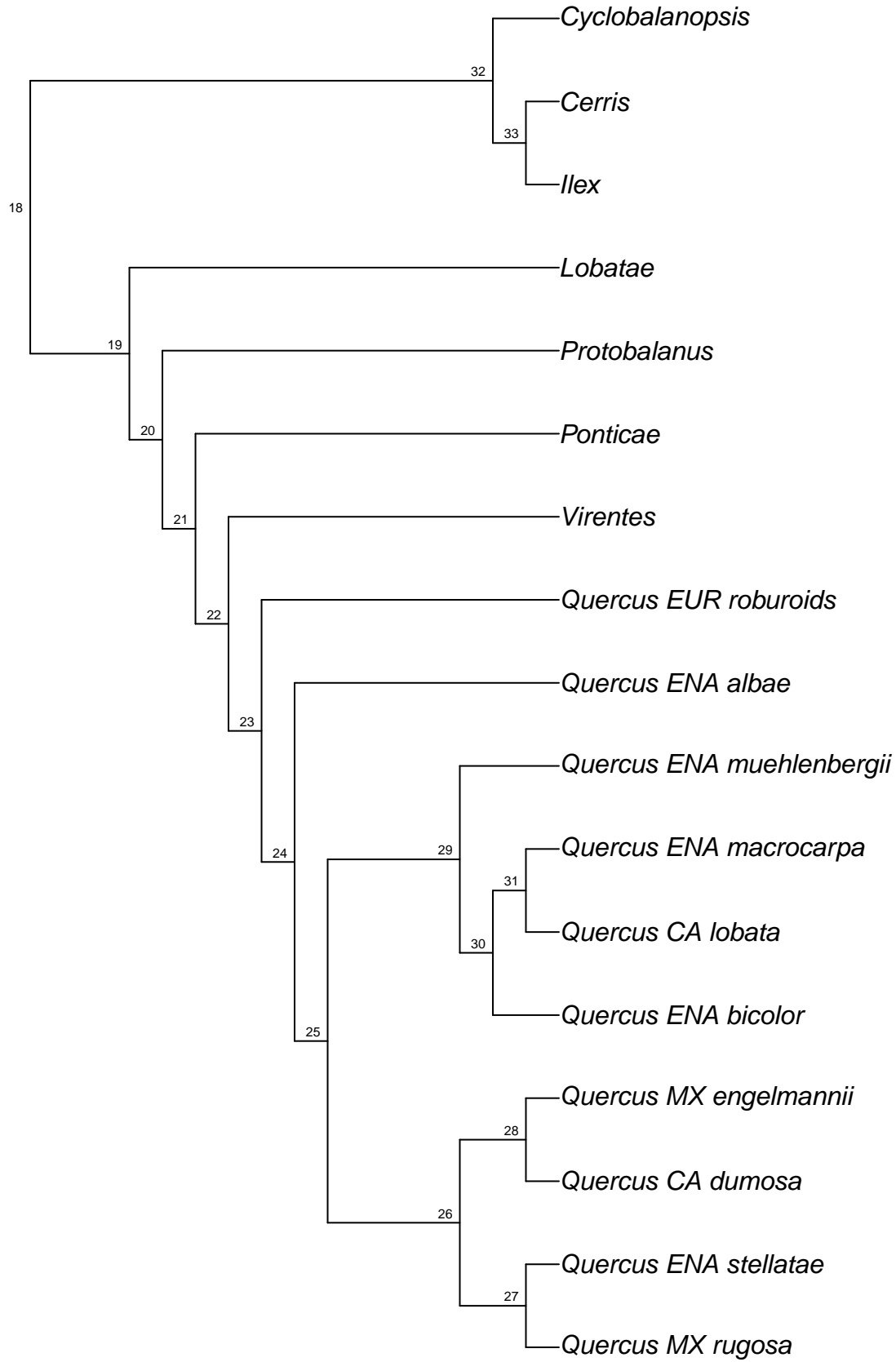




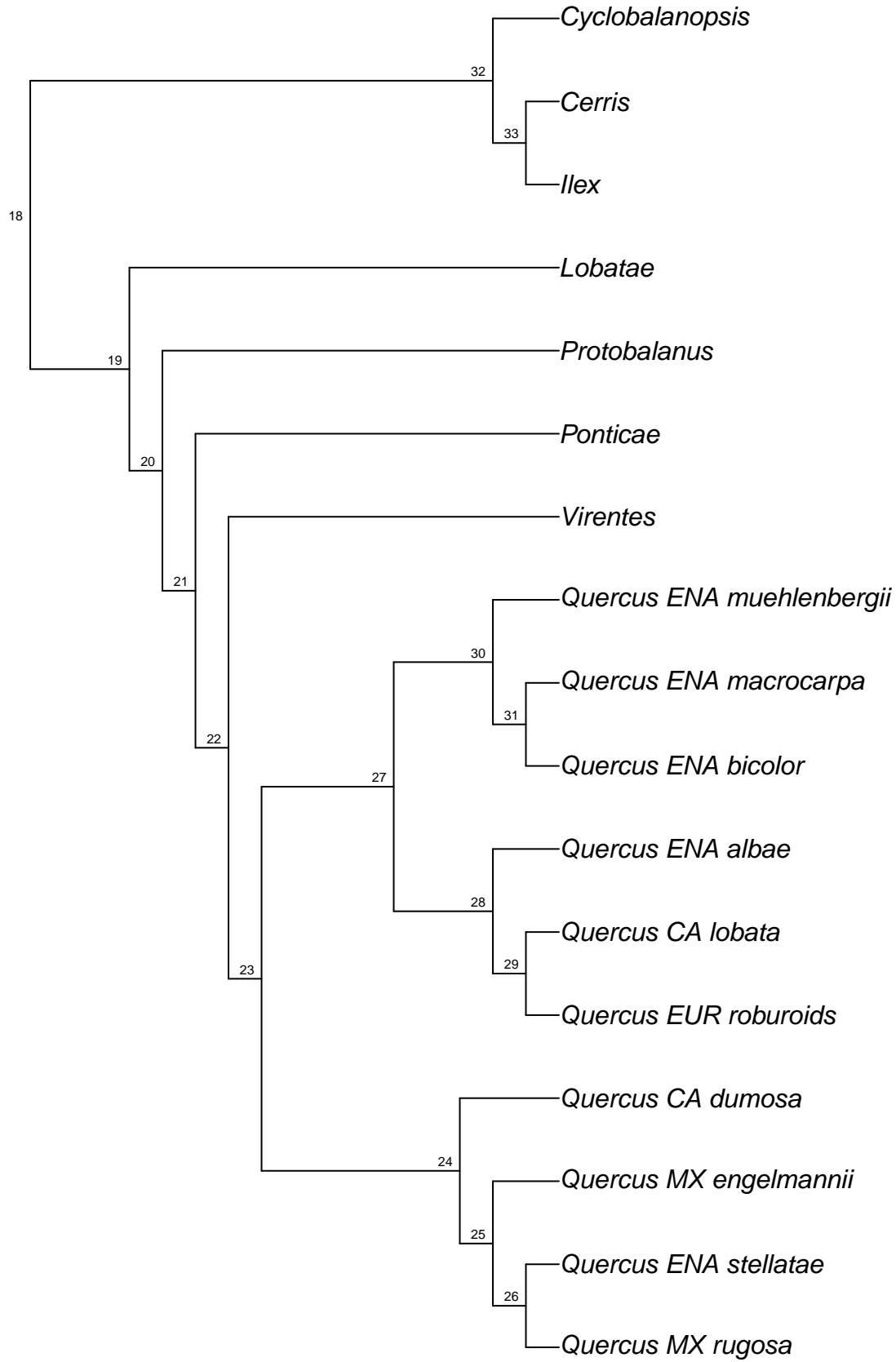
refRAD.ref\_rubra\_raxml.bt066



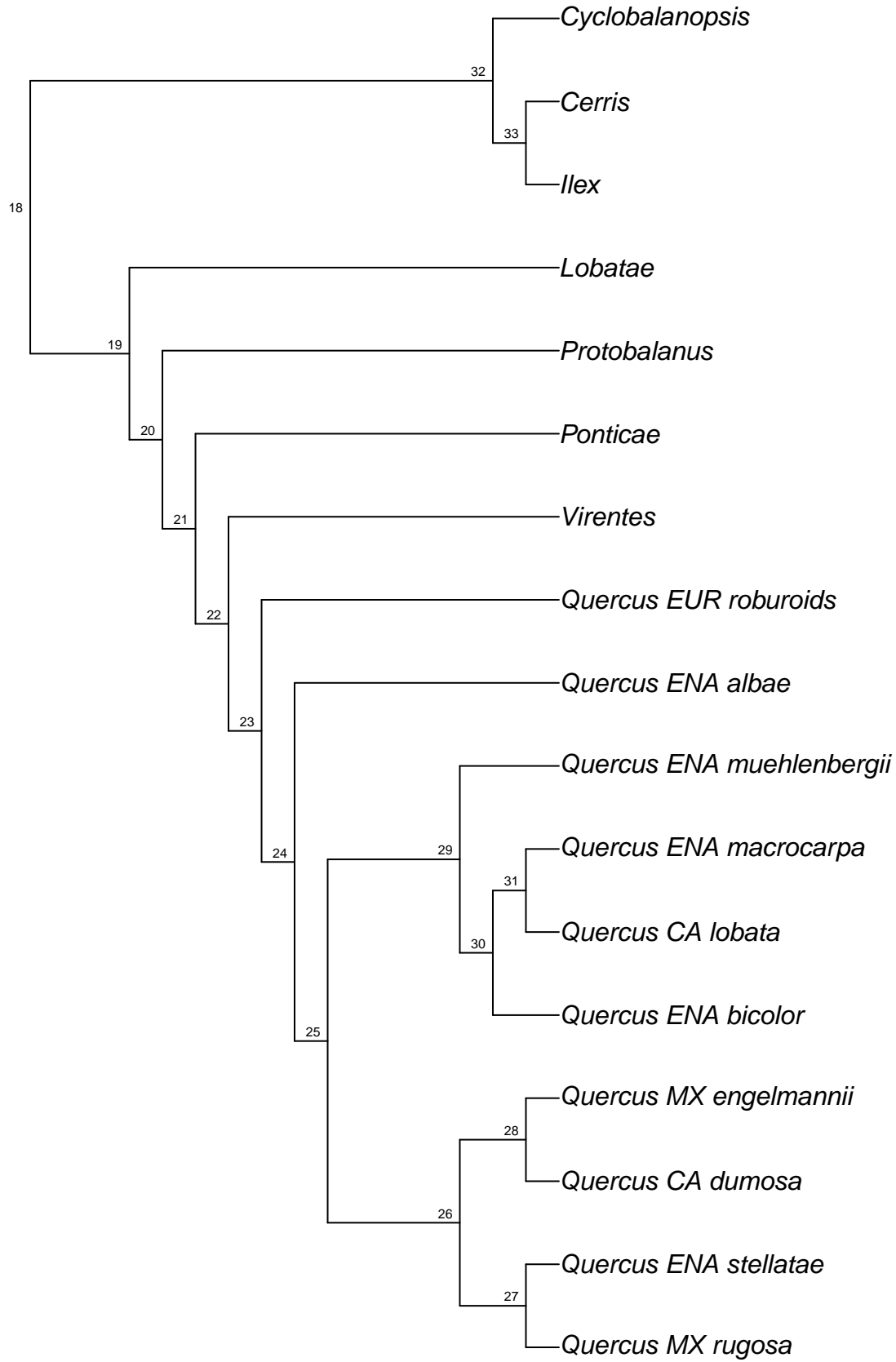
refRAD.ref\_rubra\_raxml.bt067



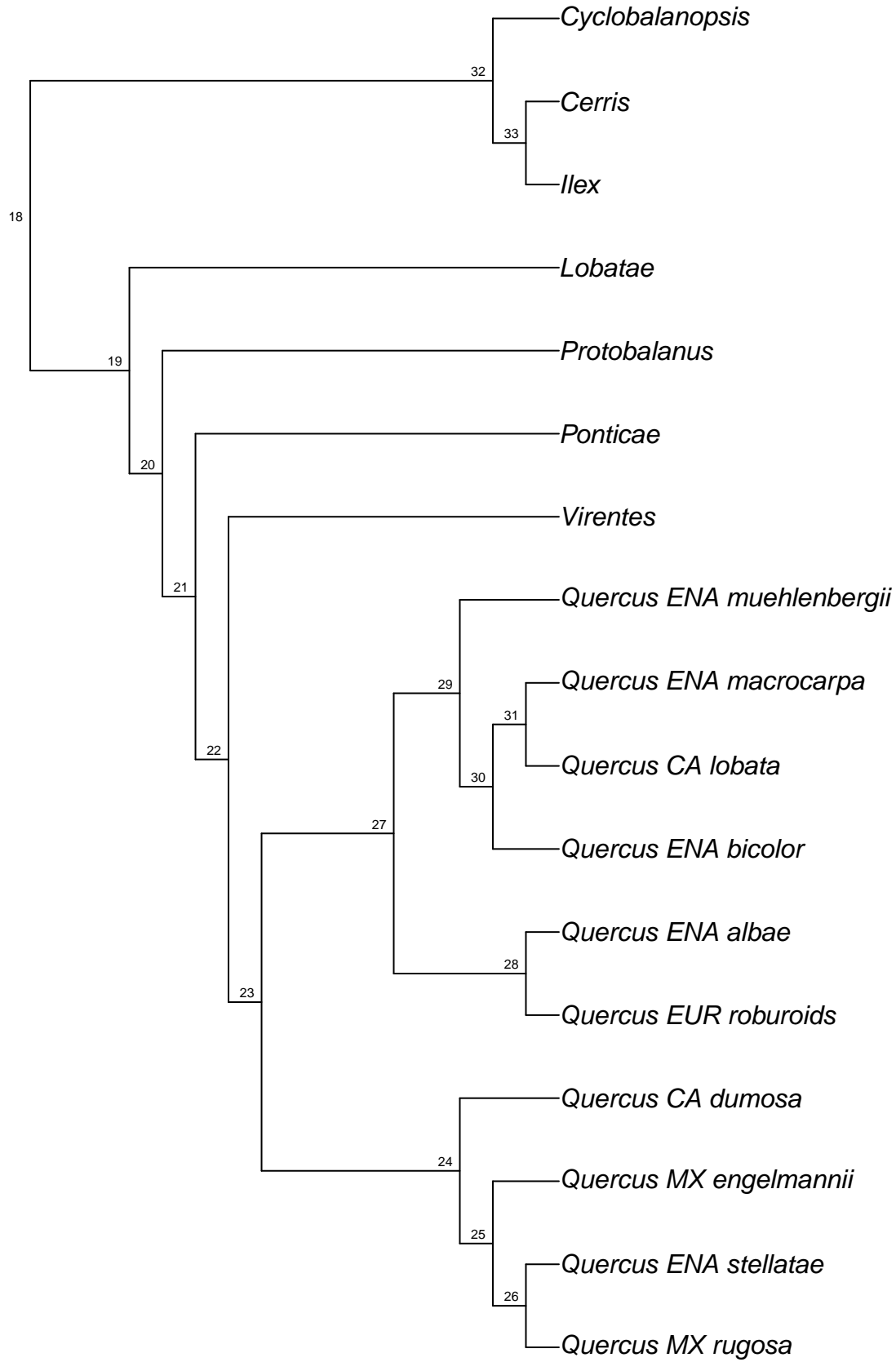
refRAD.ref\_rubra\_raxml.bt068



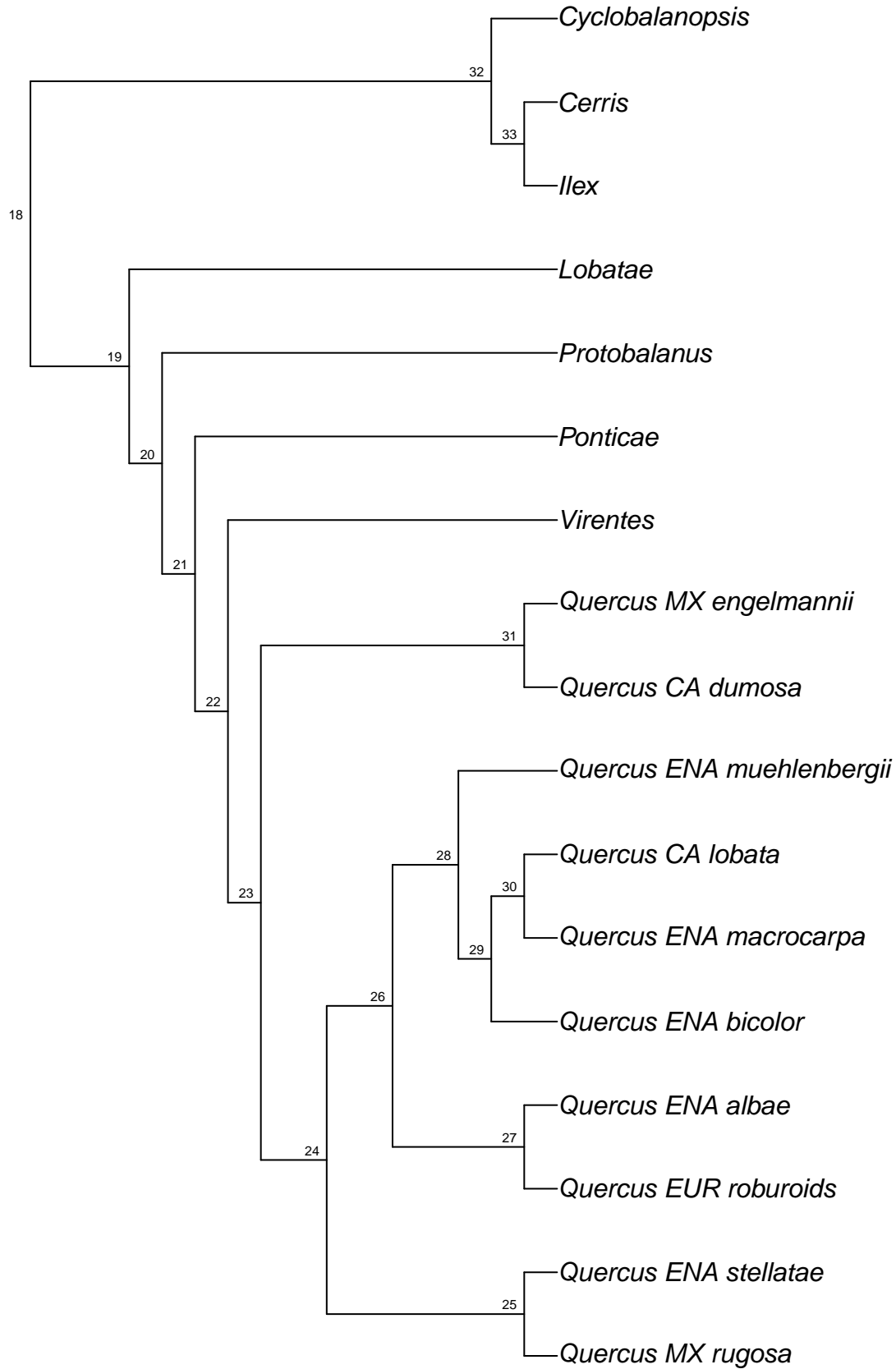
refRAD.ref\_rubra\_raxml.bt069



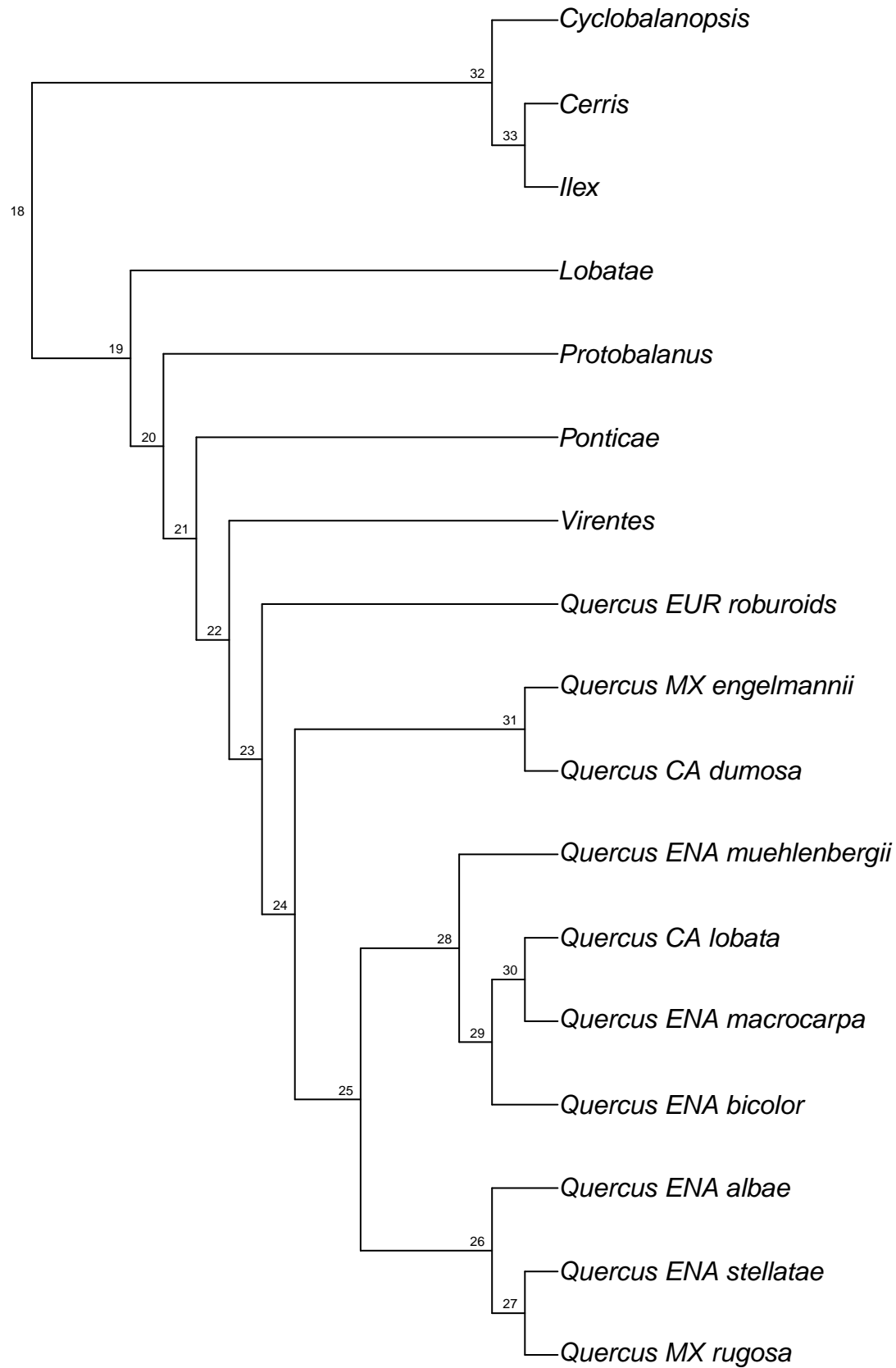
## refRAD.ref\_rubra\_raxml.bt070



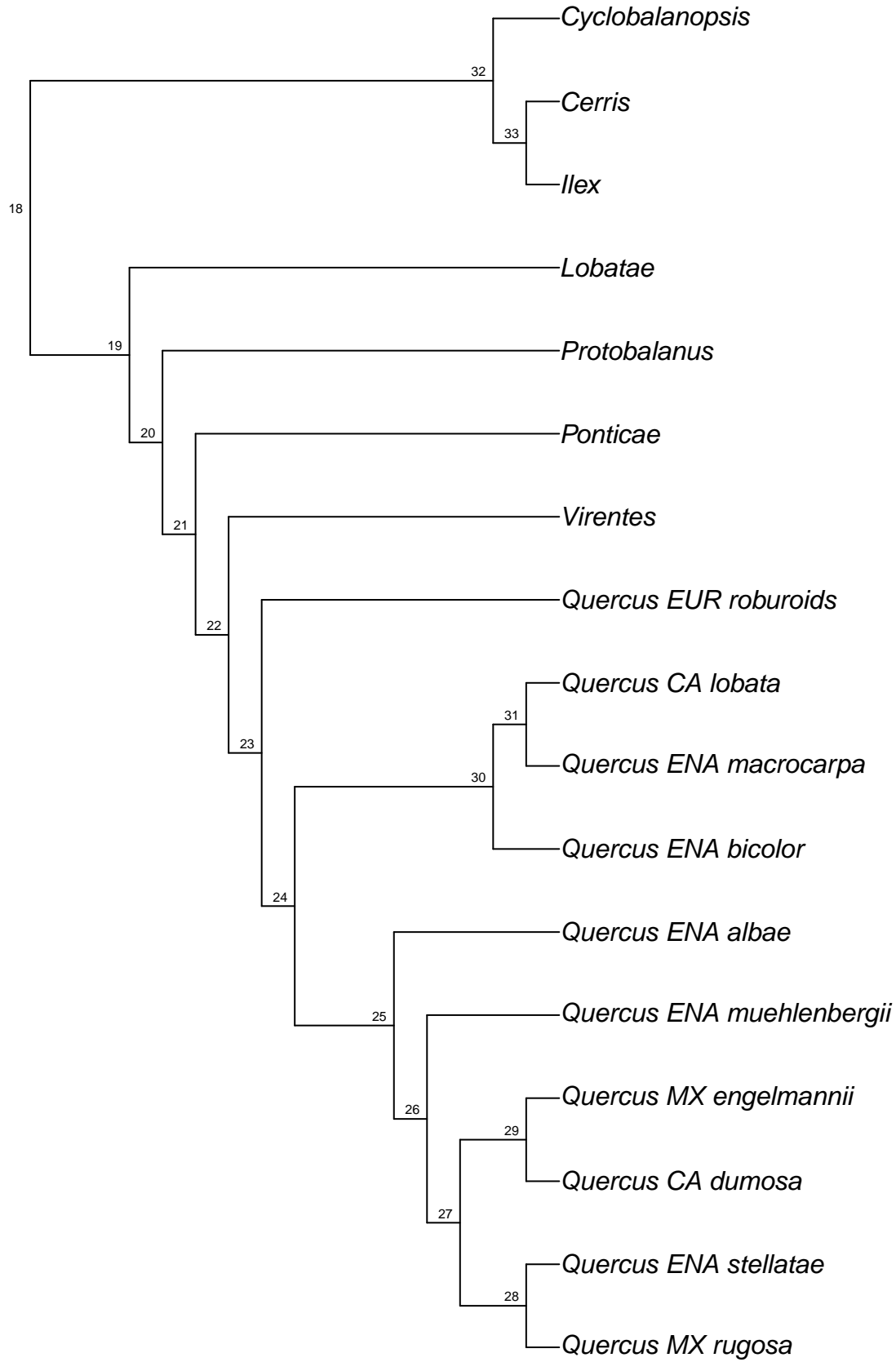
refRAD.ref\_rubra\_raxml.bt071



refRAD.ref\_rubra\_raxml.bt072

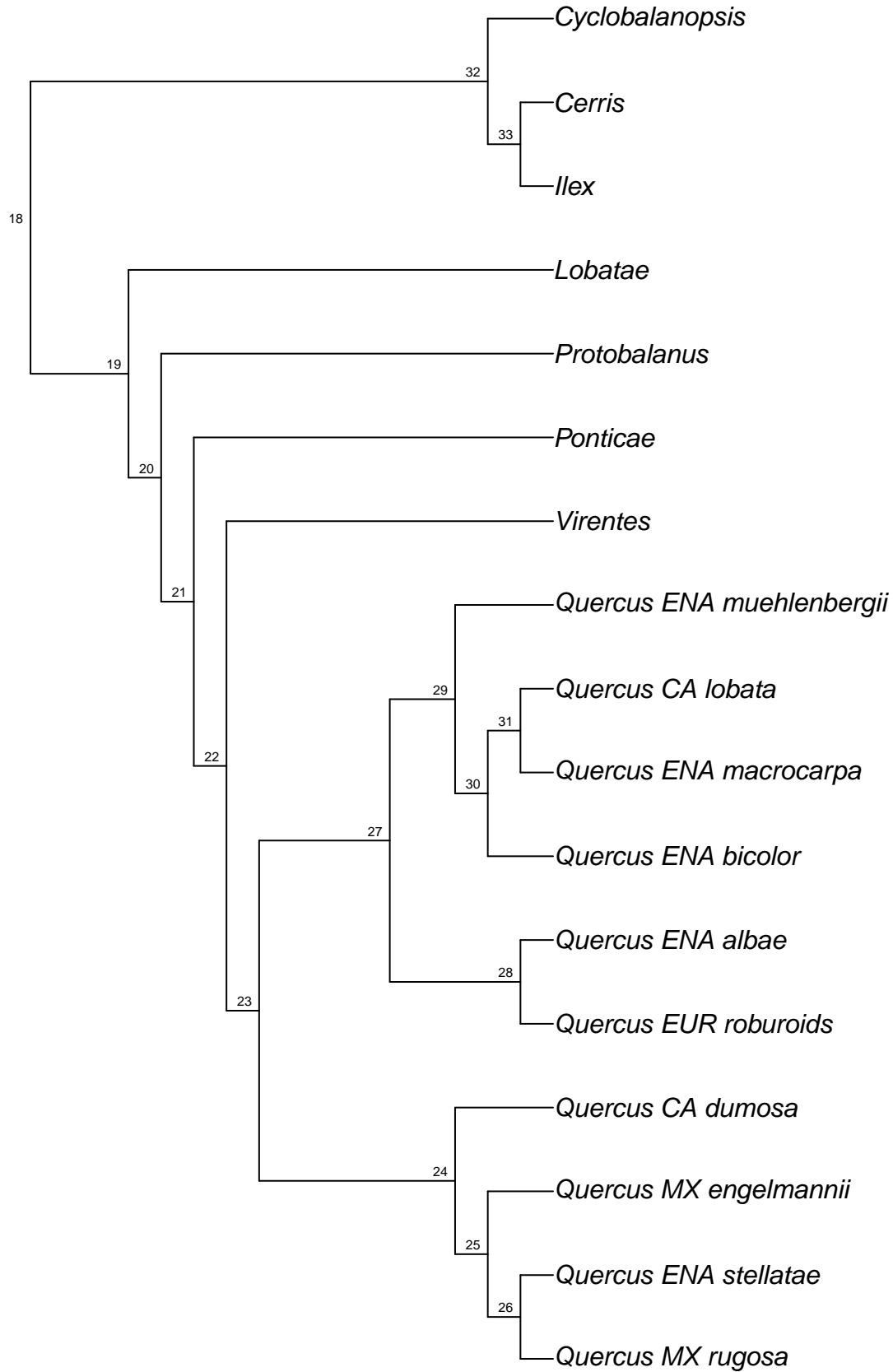


refRAD.ref\_rubra\_raxml.bt073

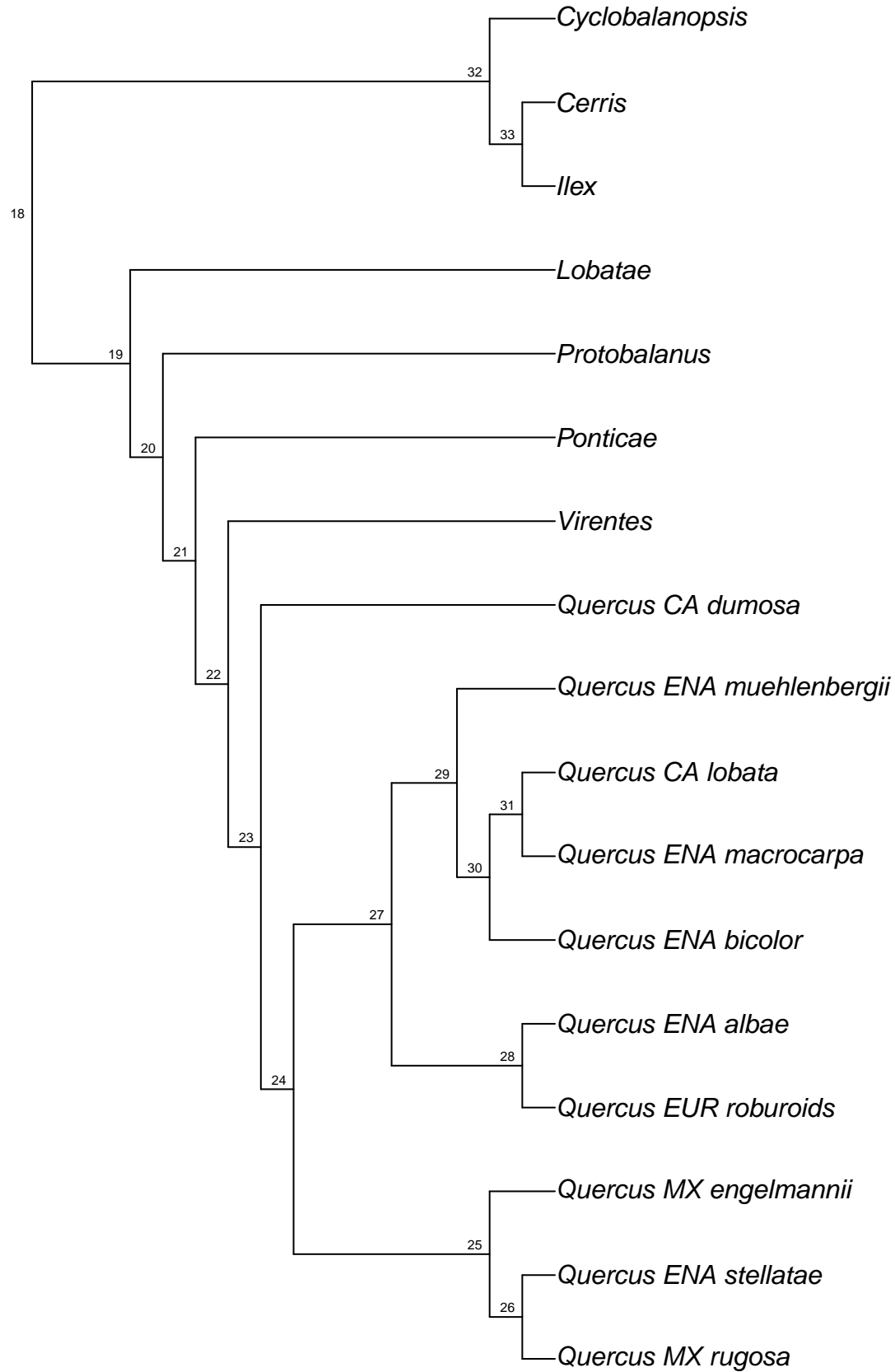




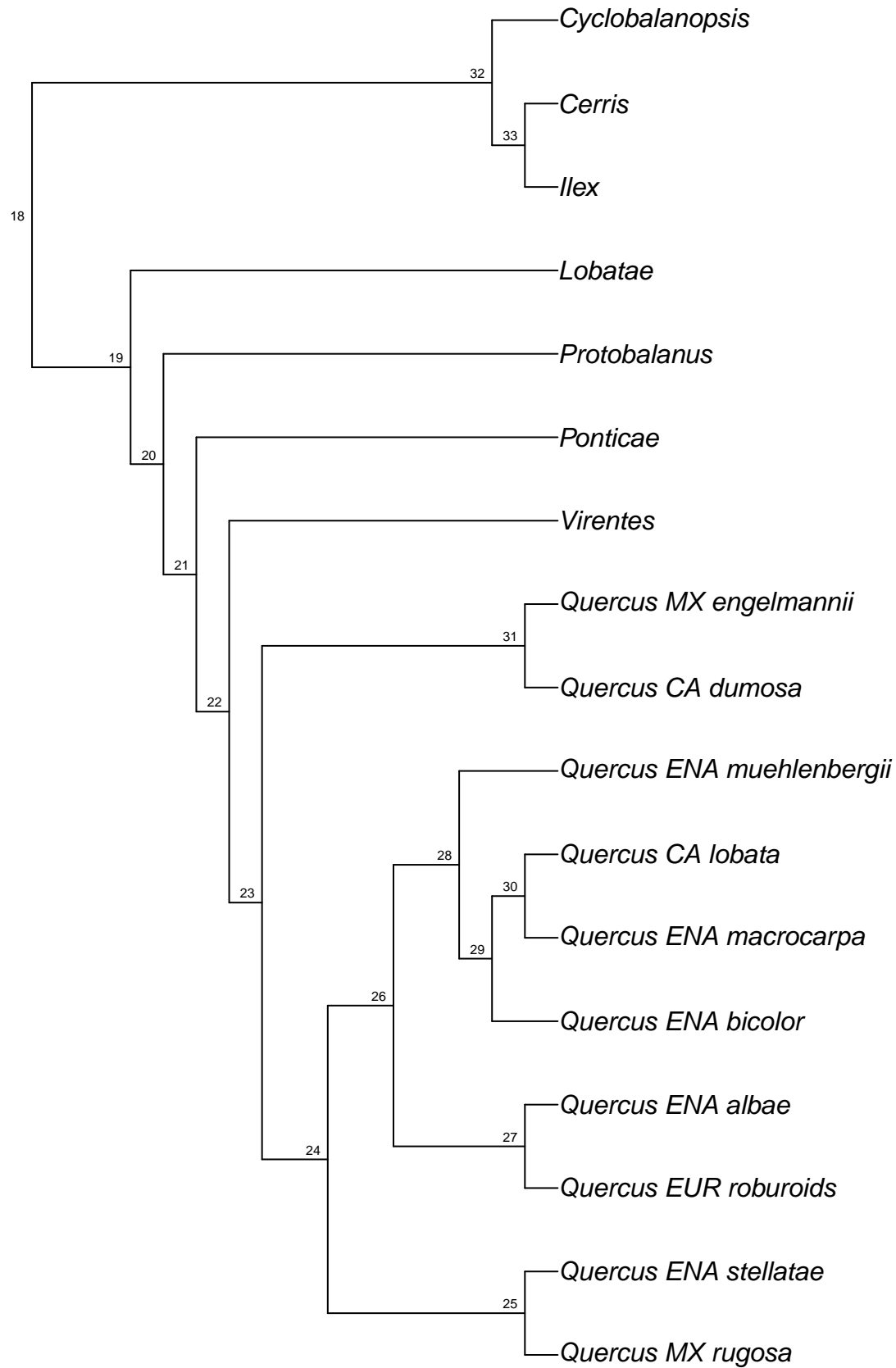
refRAD.ref\_rubra\_raxml.bt074



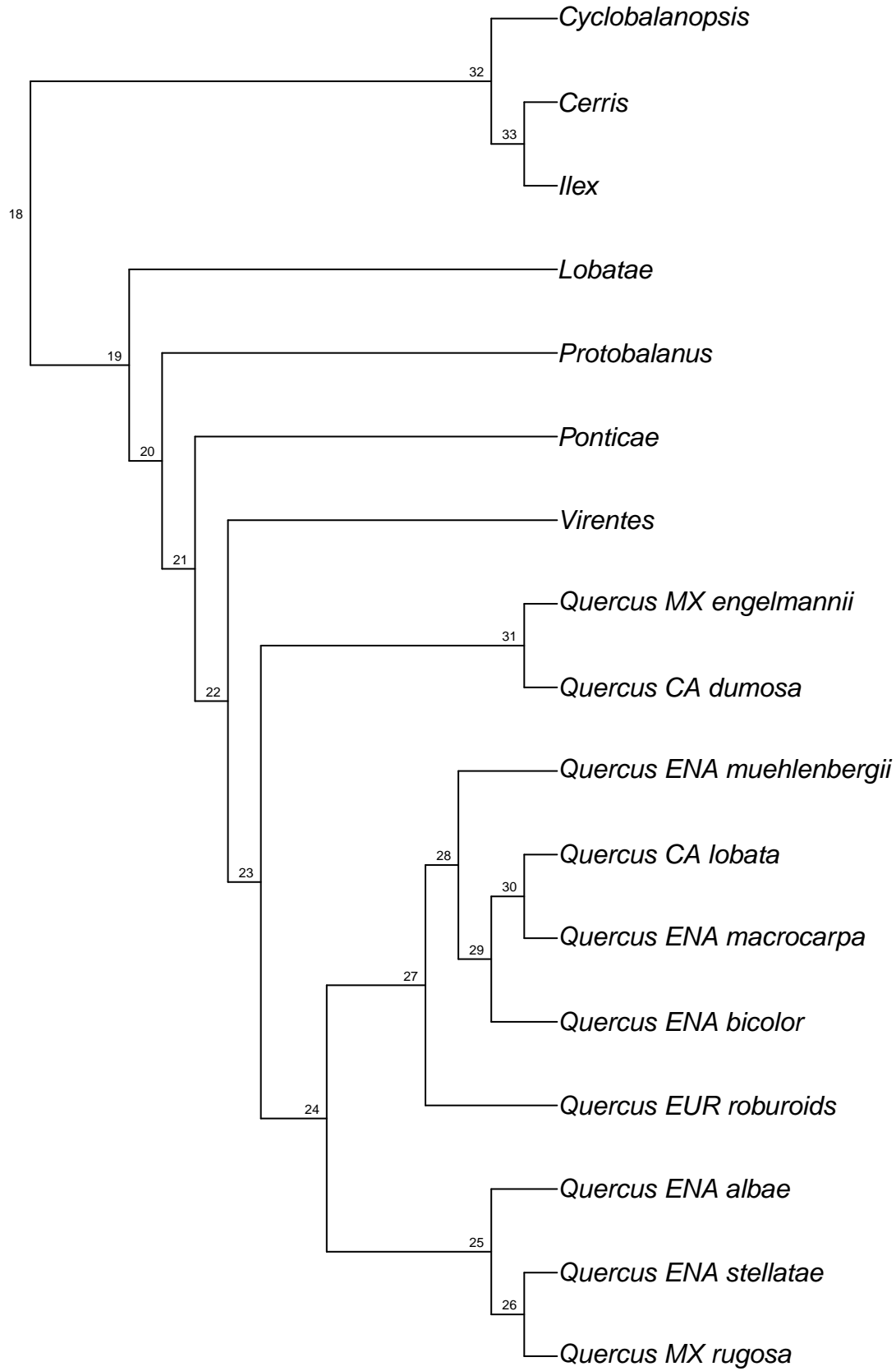
refRAD.ref\_rubra\_raxml.bt075



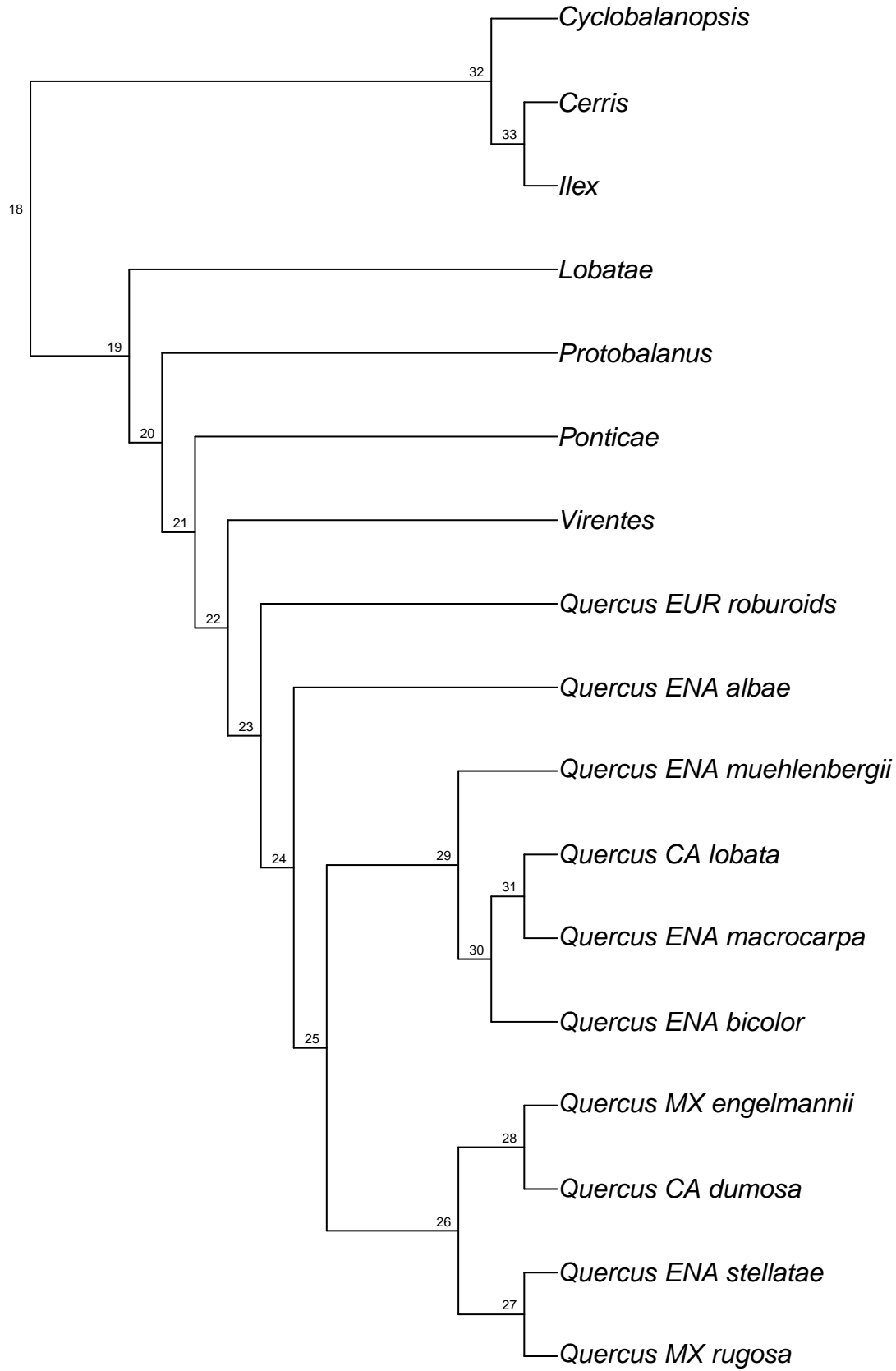
## refRAD.ref\_rubra\_raxml.bt076



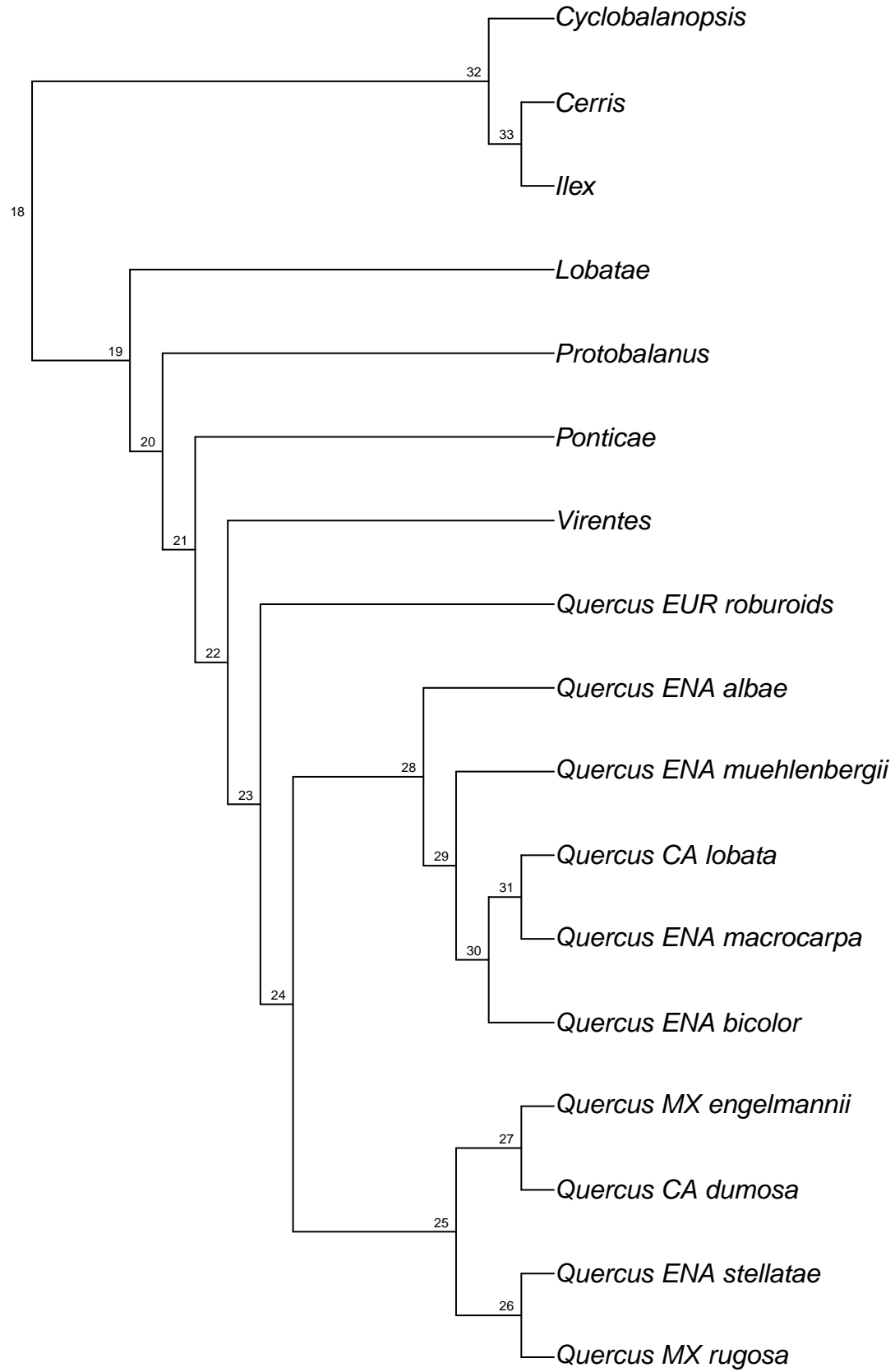
refRAD.ref\_rubra\_raxml.bt077



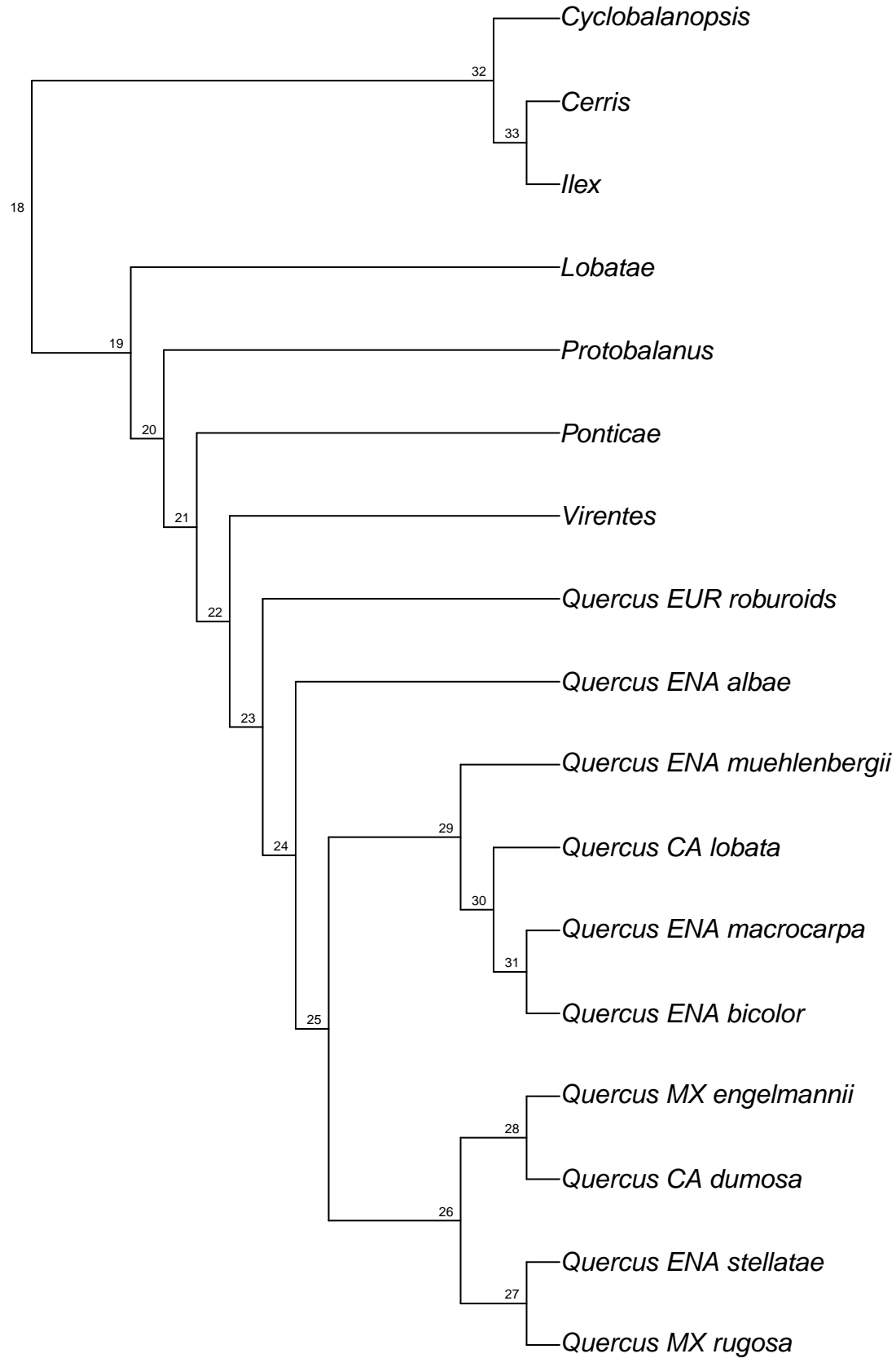
refRAD.ref\_rubra\_raxml.bt078



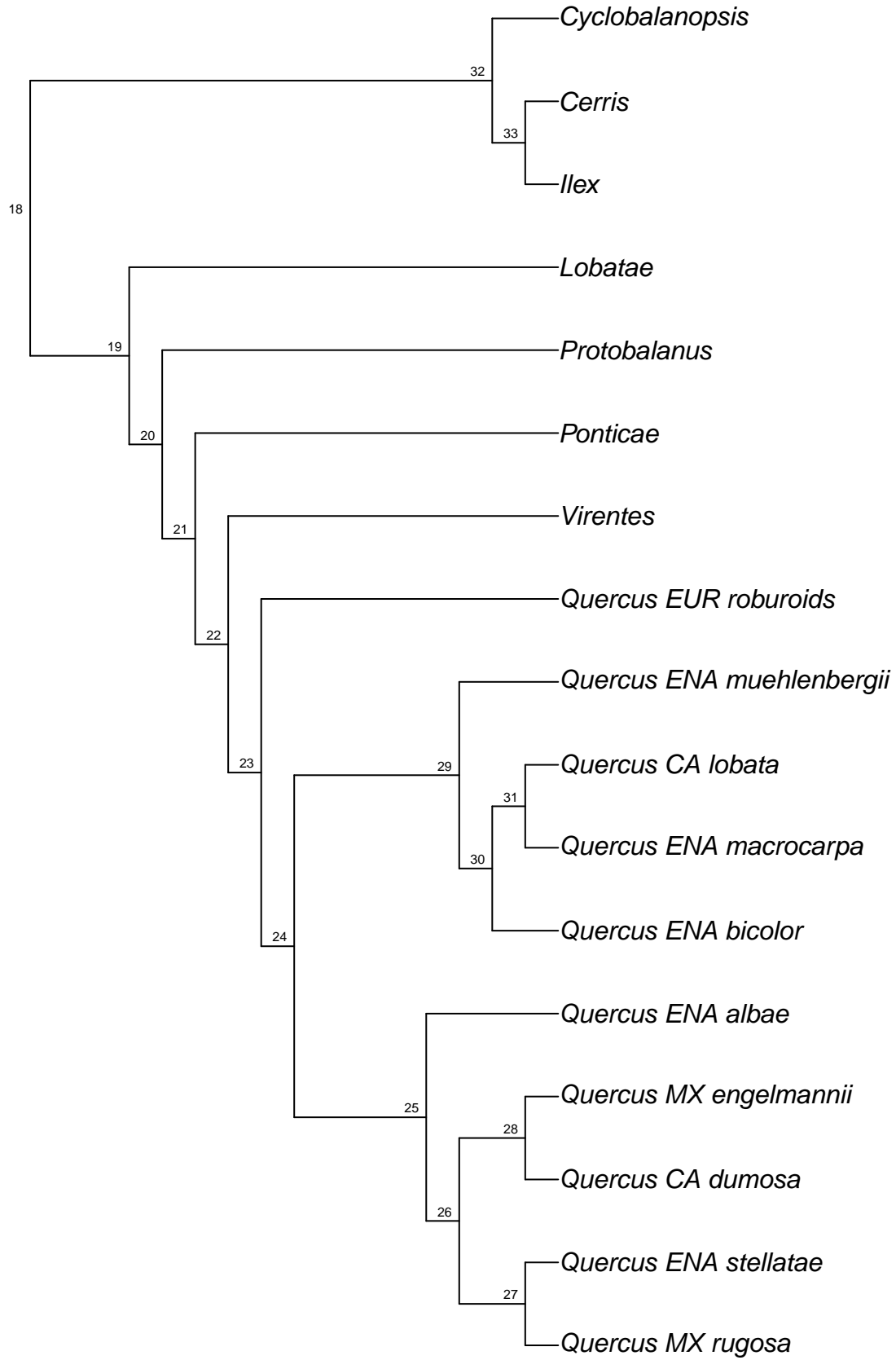
refRAD.ref\_rubra\_raxml.bt079



refRAD.ref\_rubra\_raxml.bt080

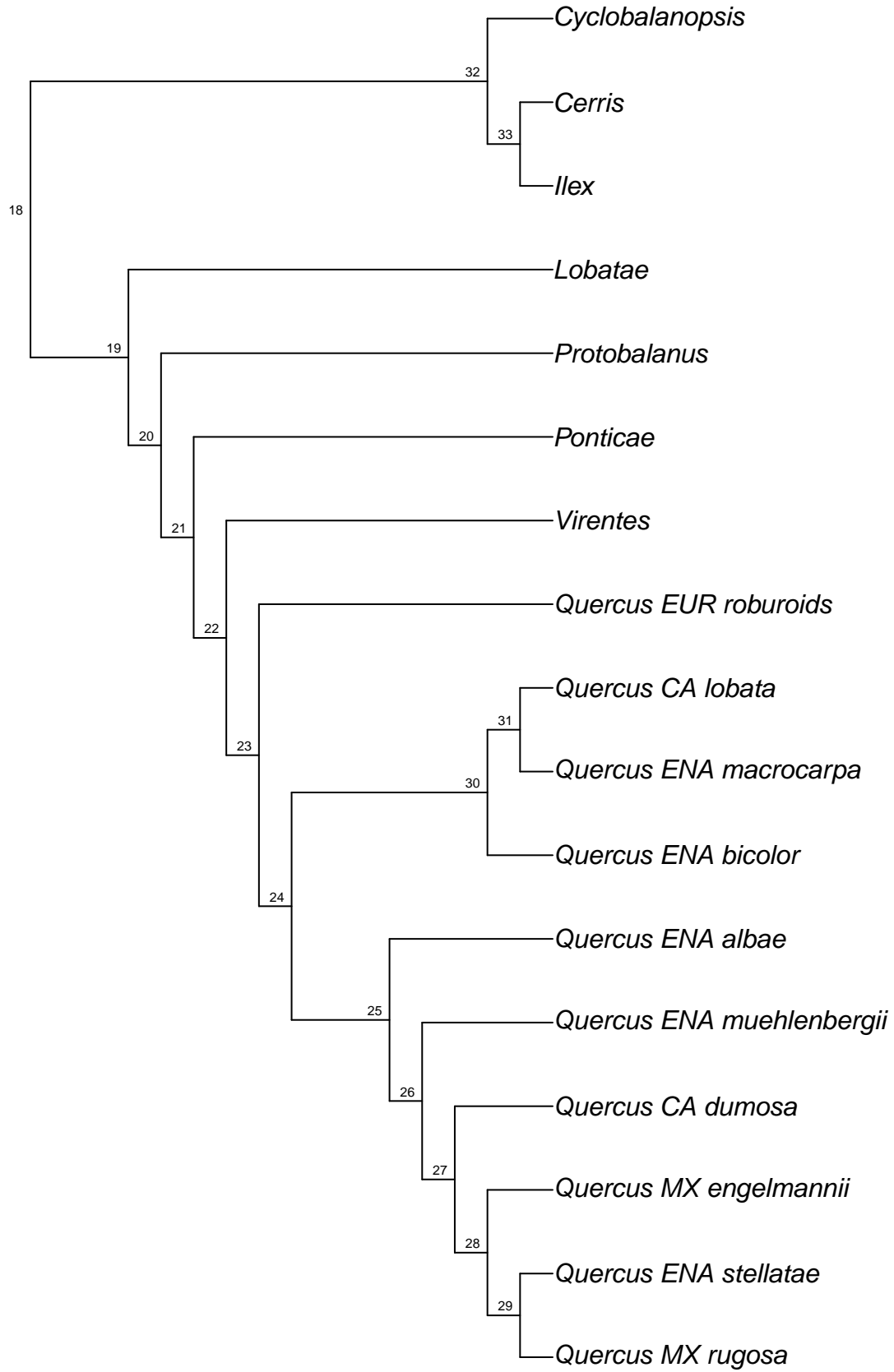


refRAD.ref\_rubra\_raxml.bt081

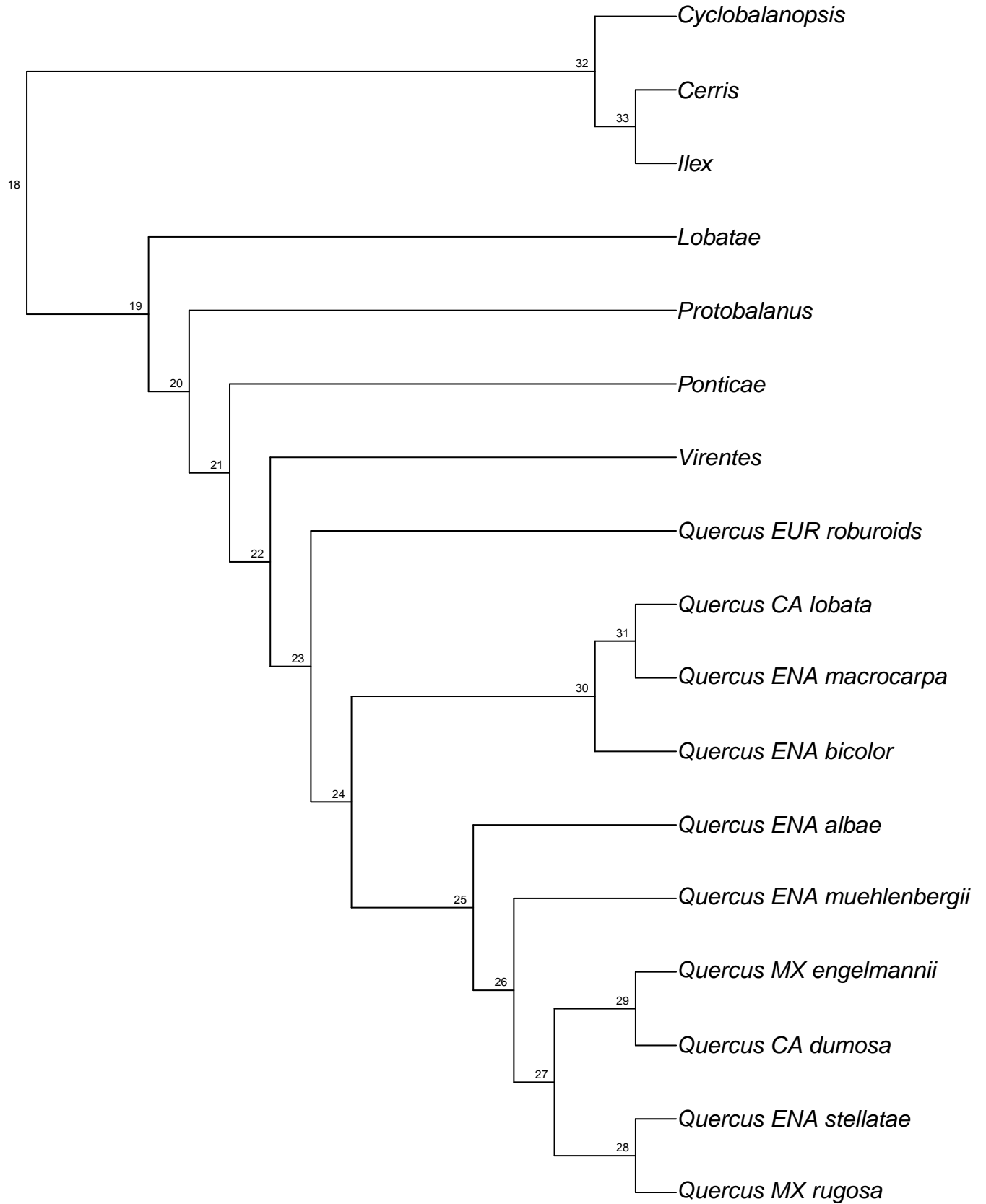




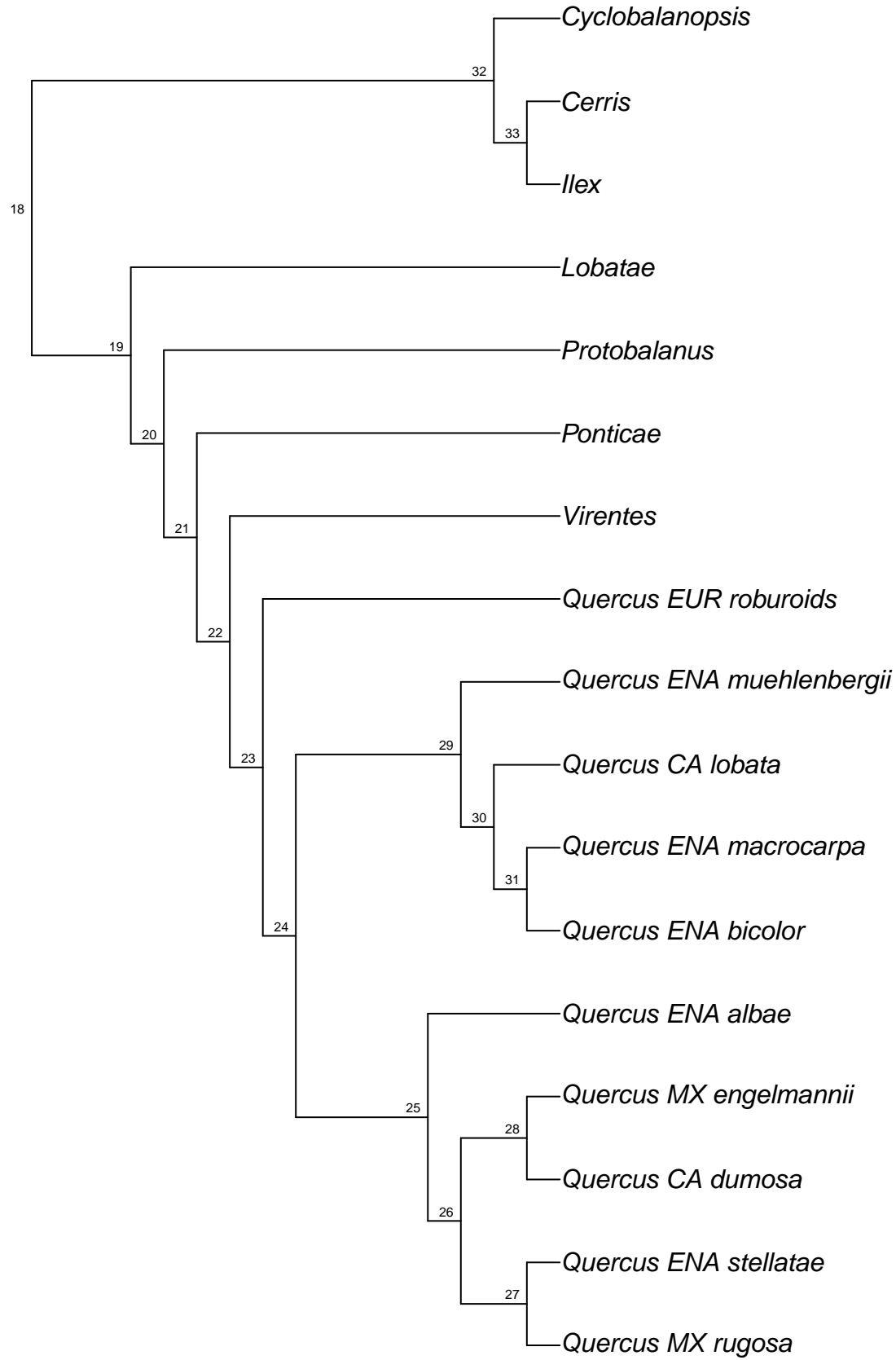
refRAD.ref\_rubra\_raxml.bt082



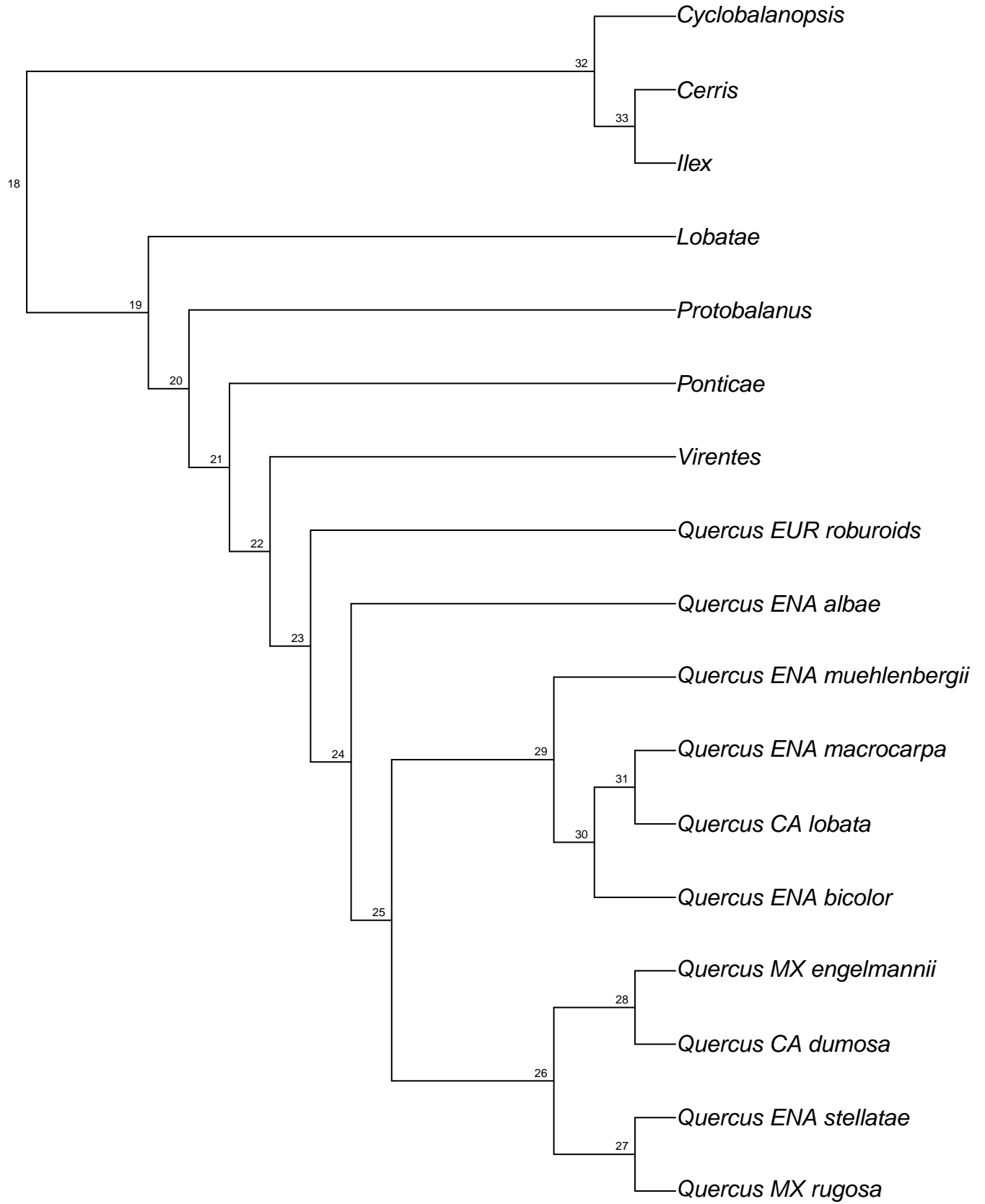
refRAD.ref\_rubra\_raxml.bt083



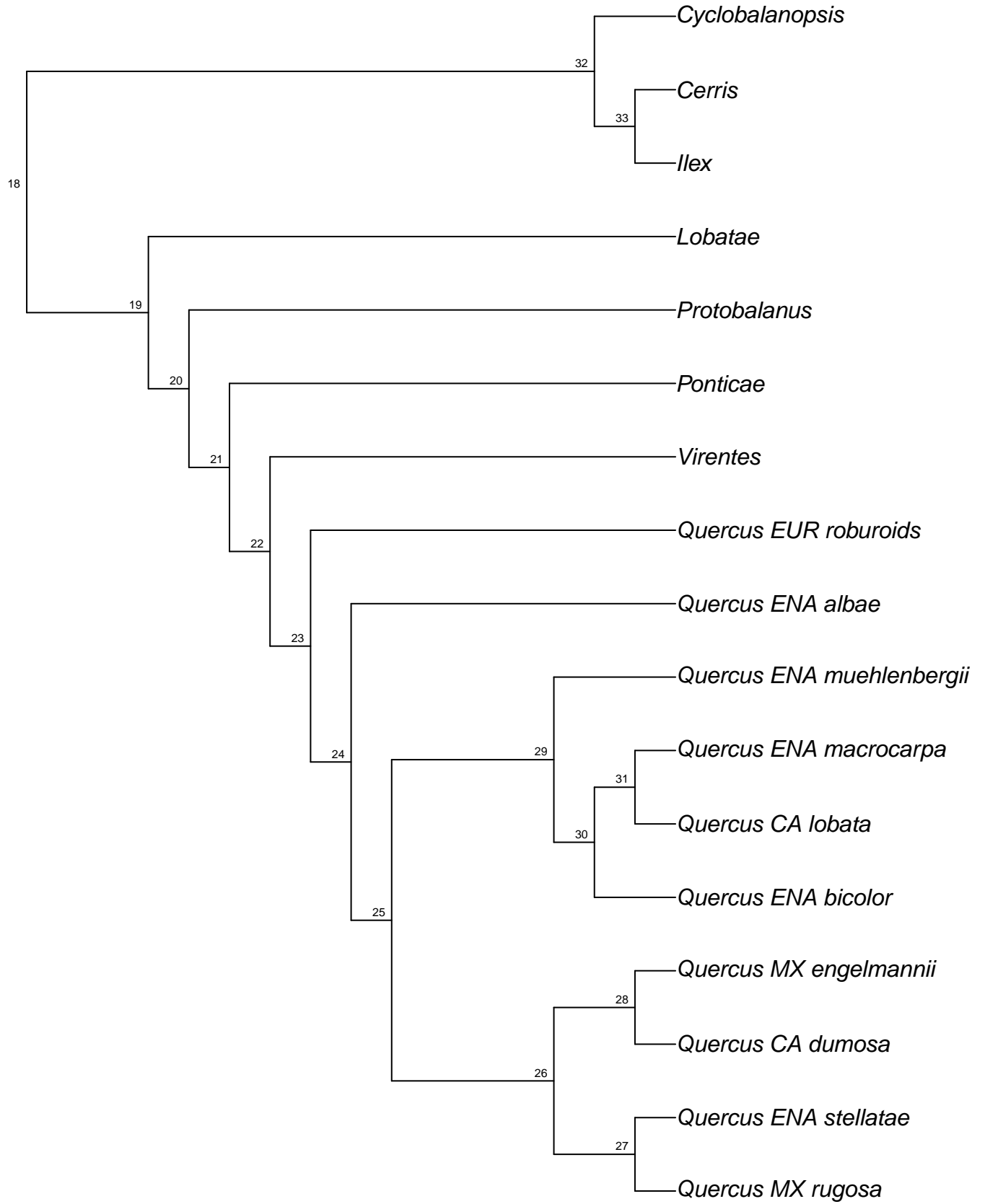
refRAD.ref\_rubra\_raxml.bt084



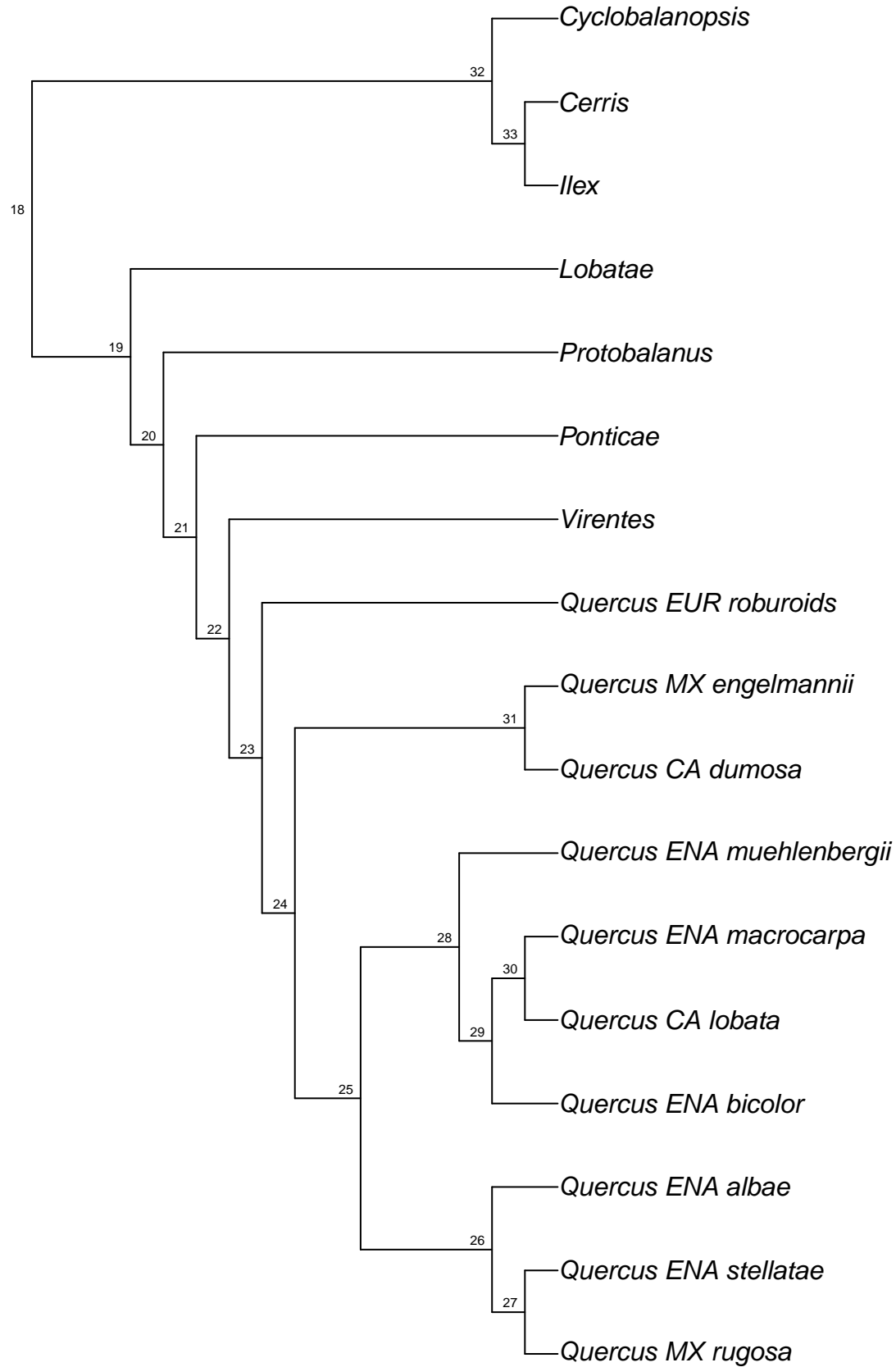
refRAD.ref\_rubra\_raxml.bt085



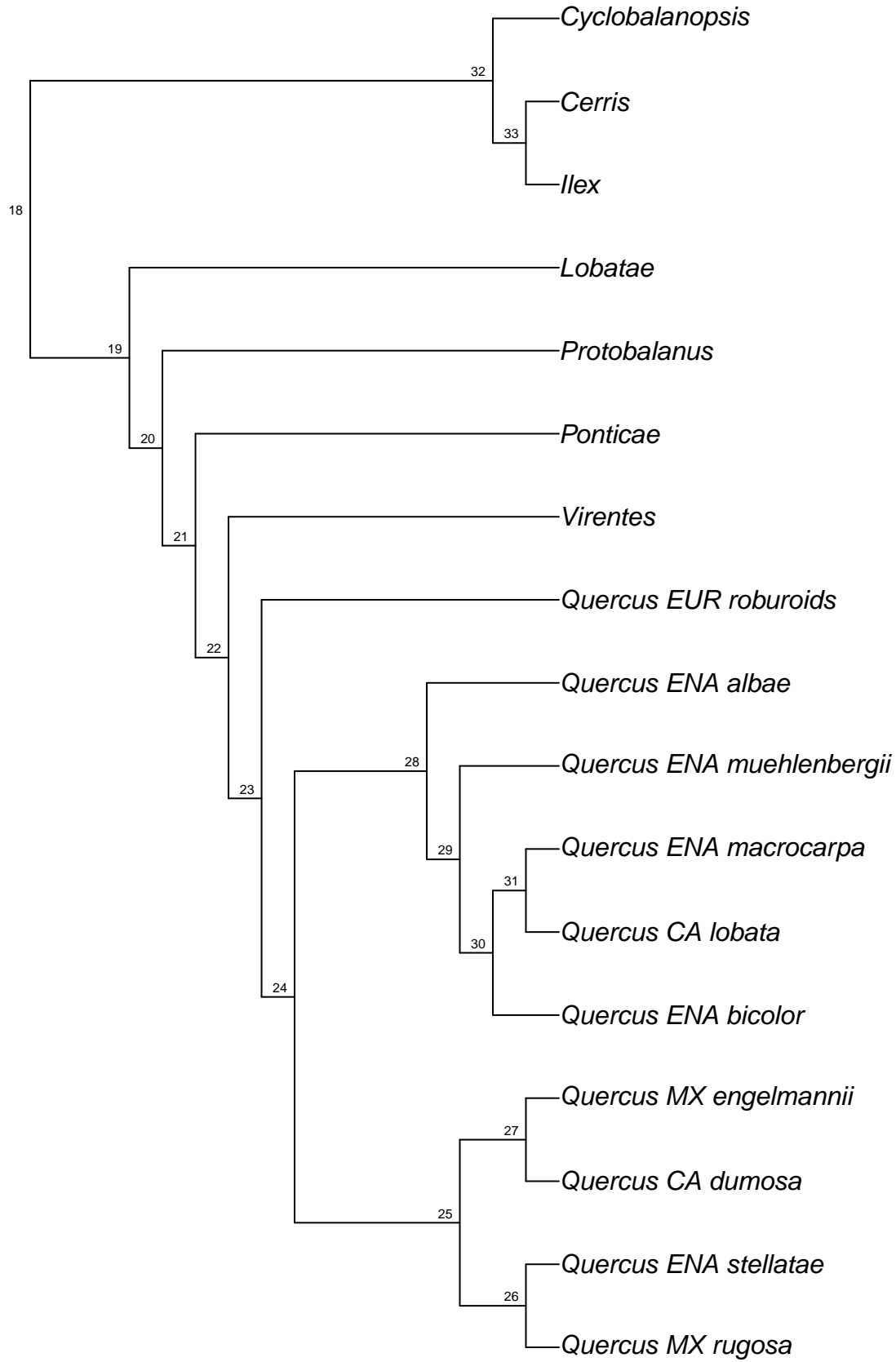
refRAD.ref\_rubra\_raxml.bt086



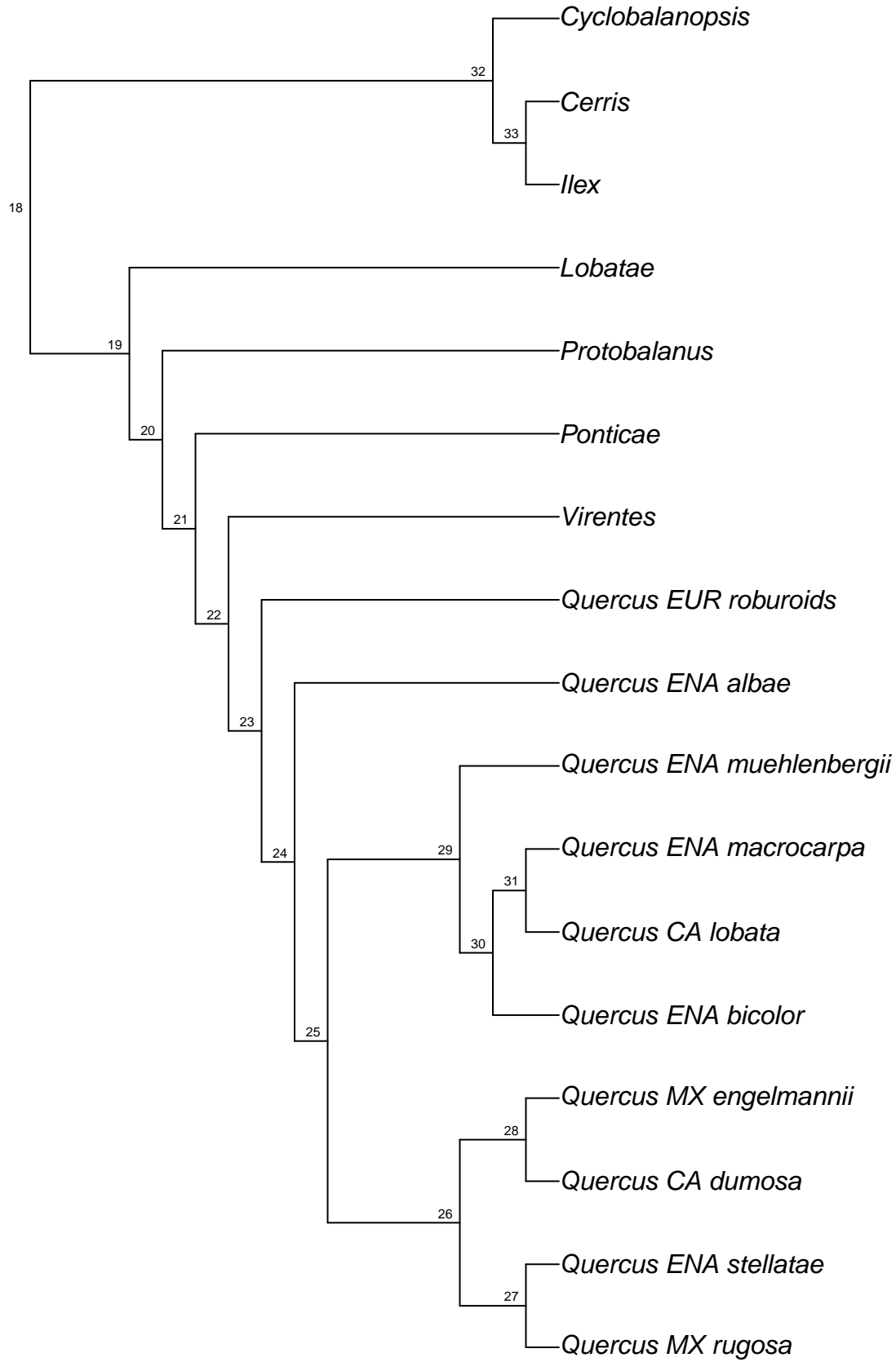
refRAD.ref\_rubra\_raxml.bt087



refRAD.ref\_rubra\_raxml.bt088

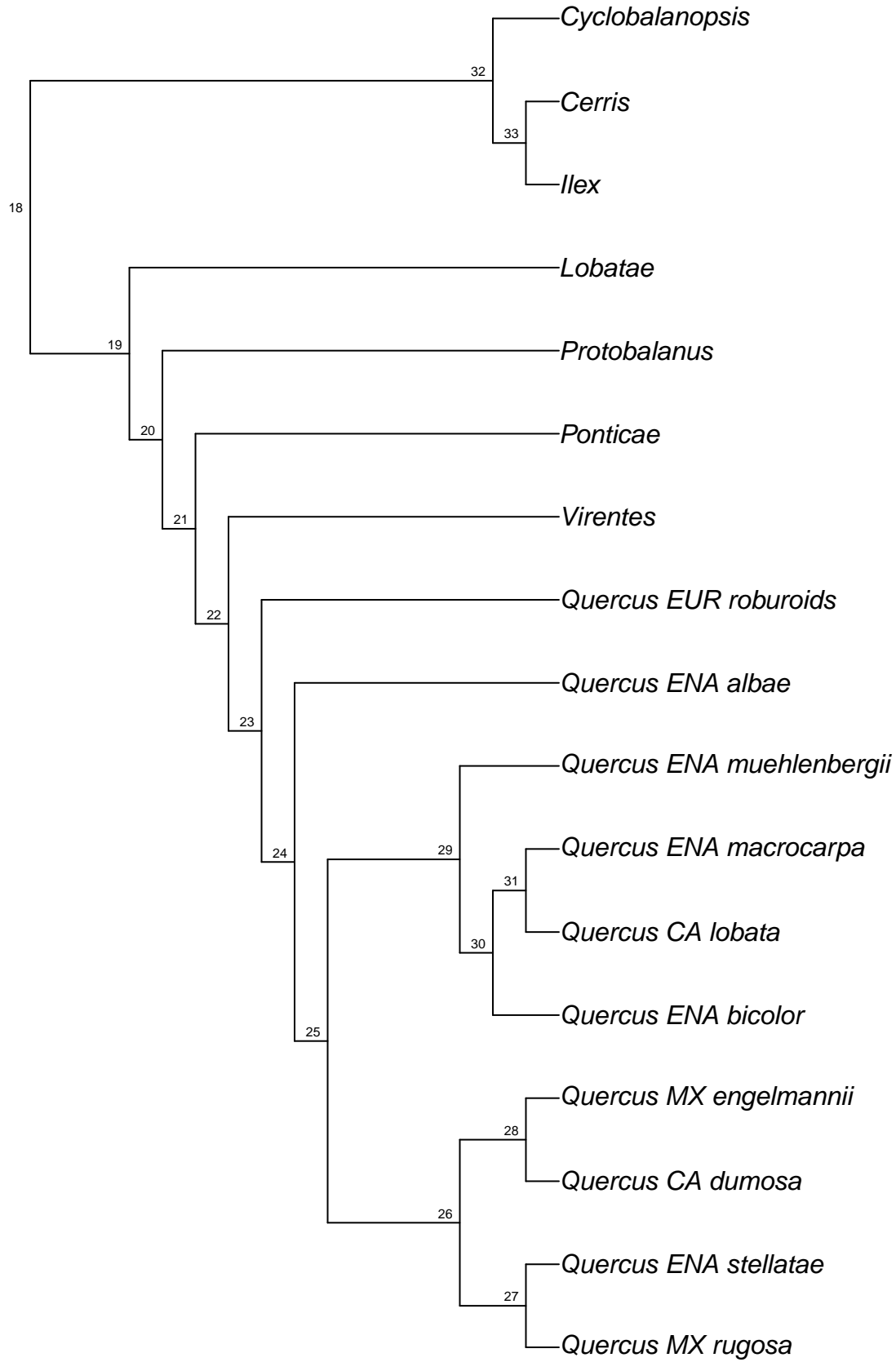


refRAD.ref\_rubra\_raxml.bt089

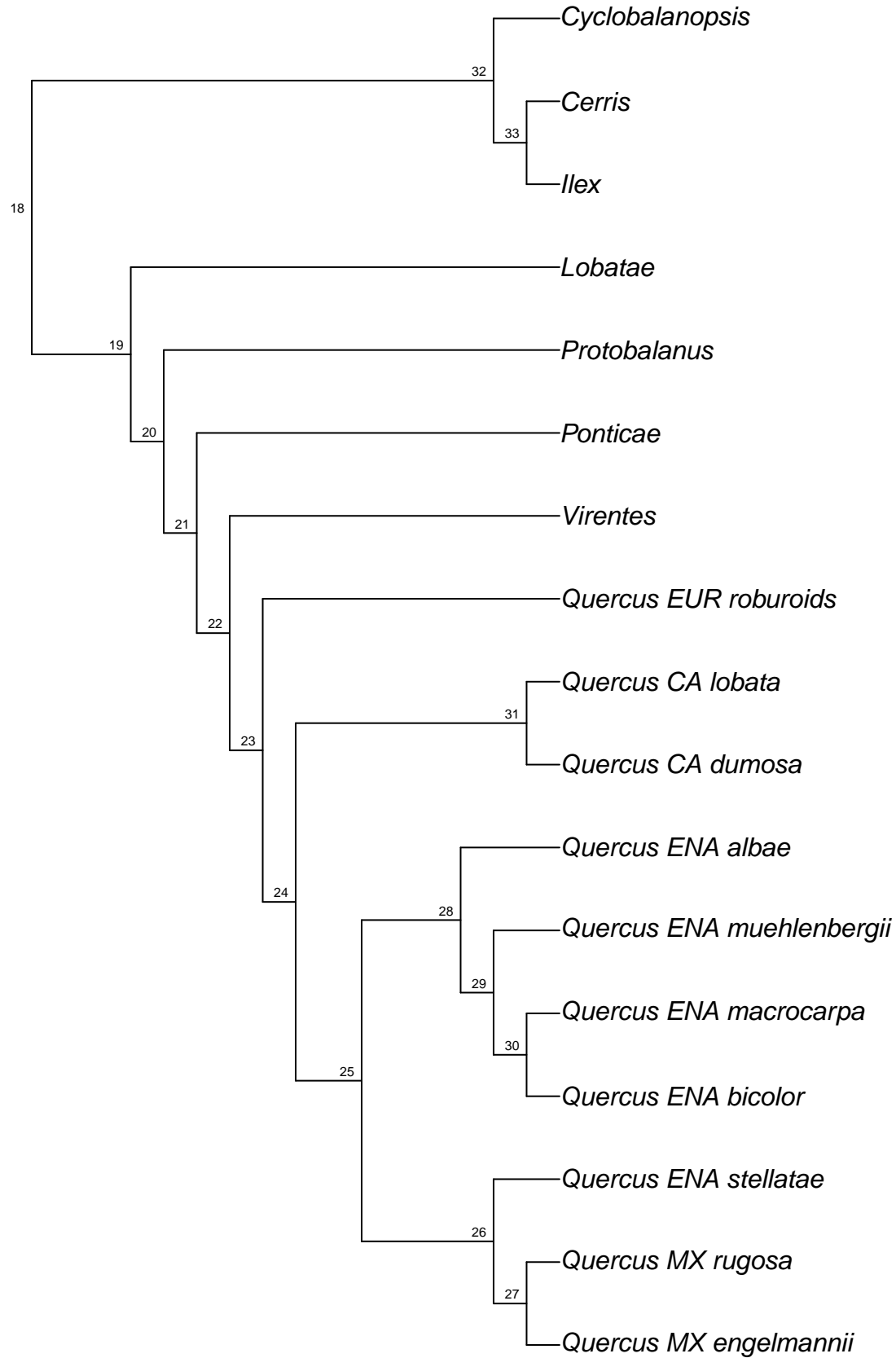




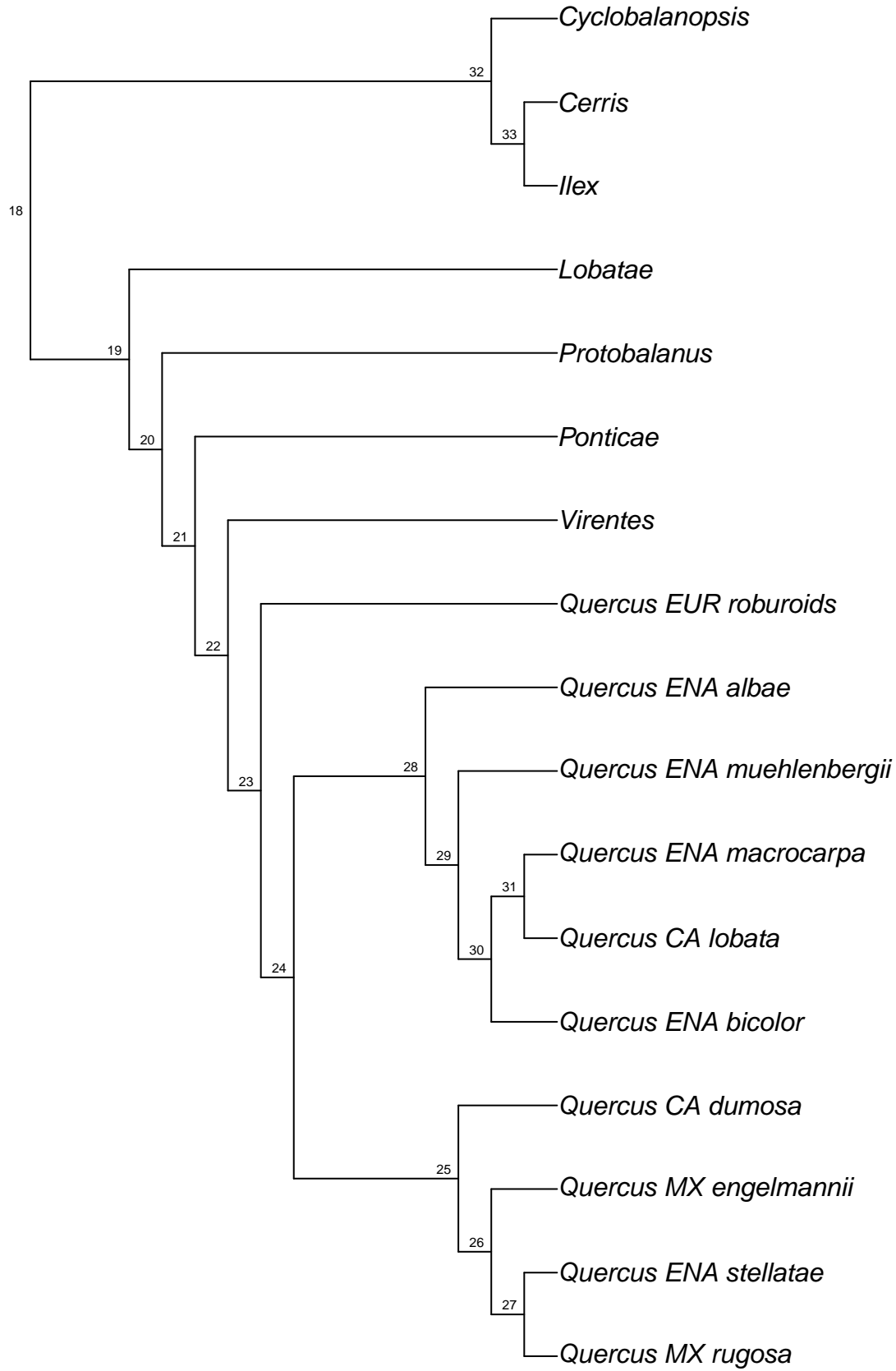
refRAD.ref\_rubra\_raxml.bt090



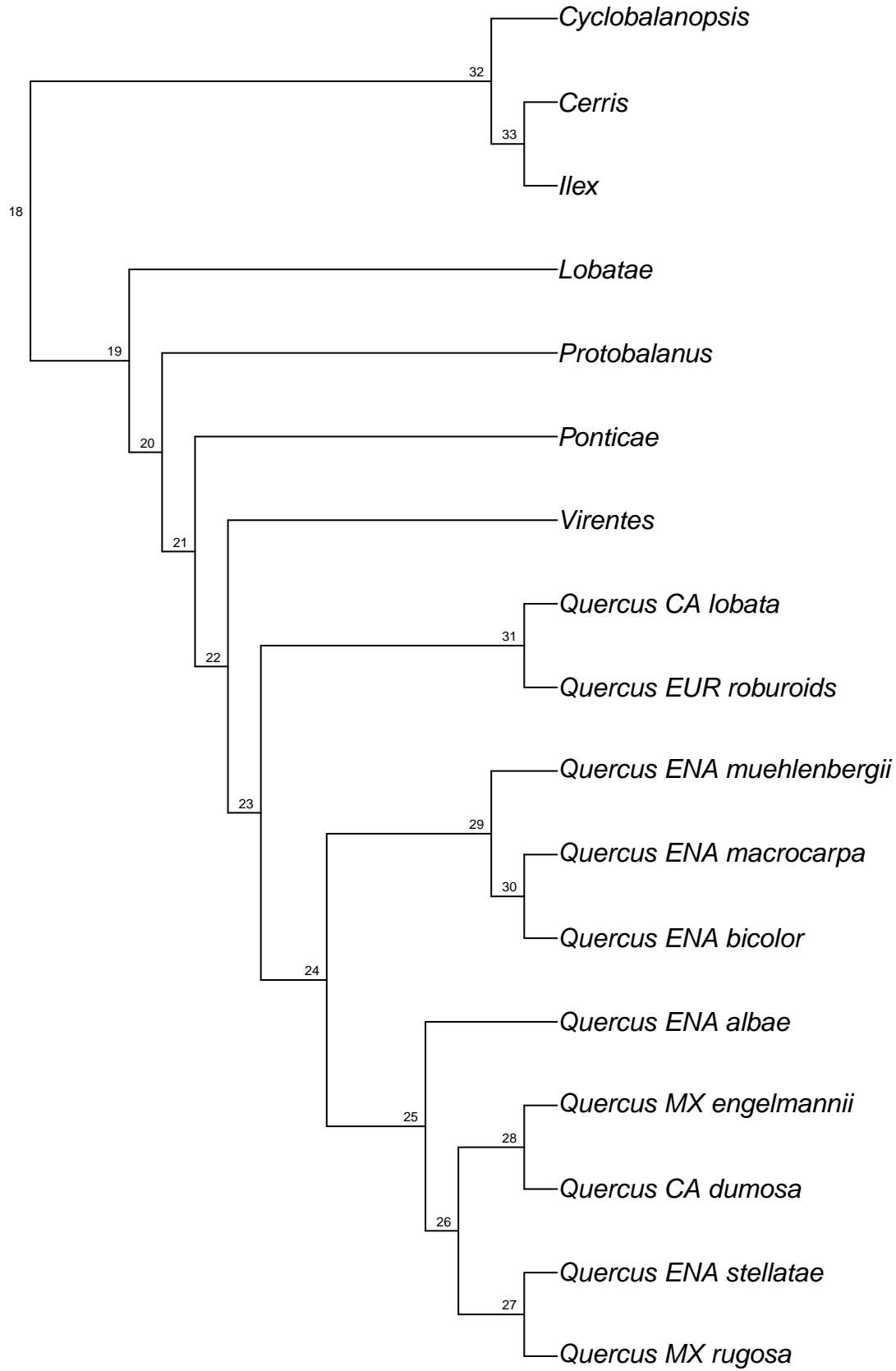
refRAD.ref\_rubra\_raxml.bt091



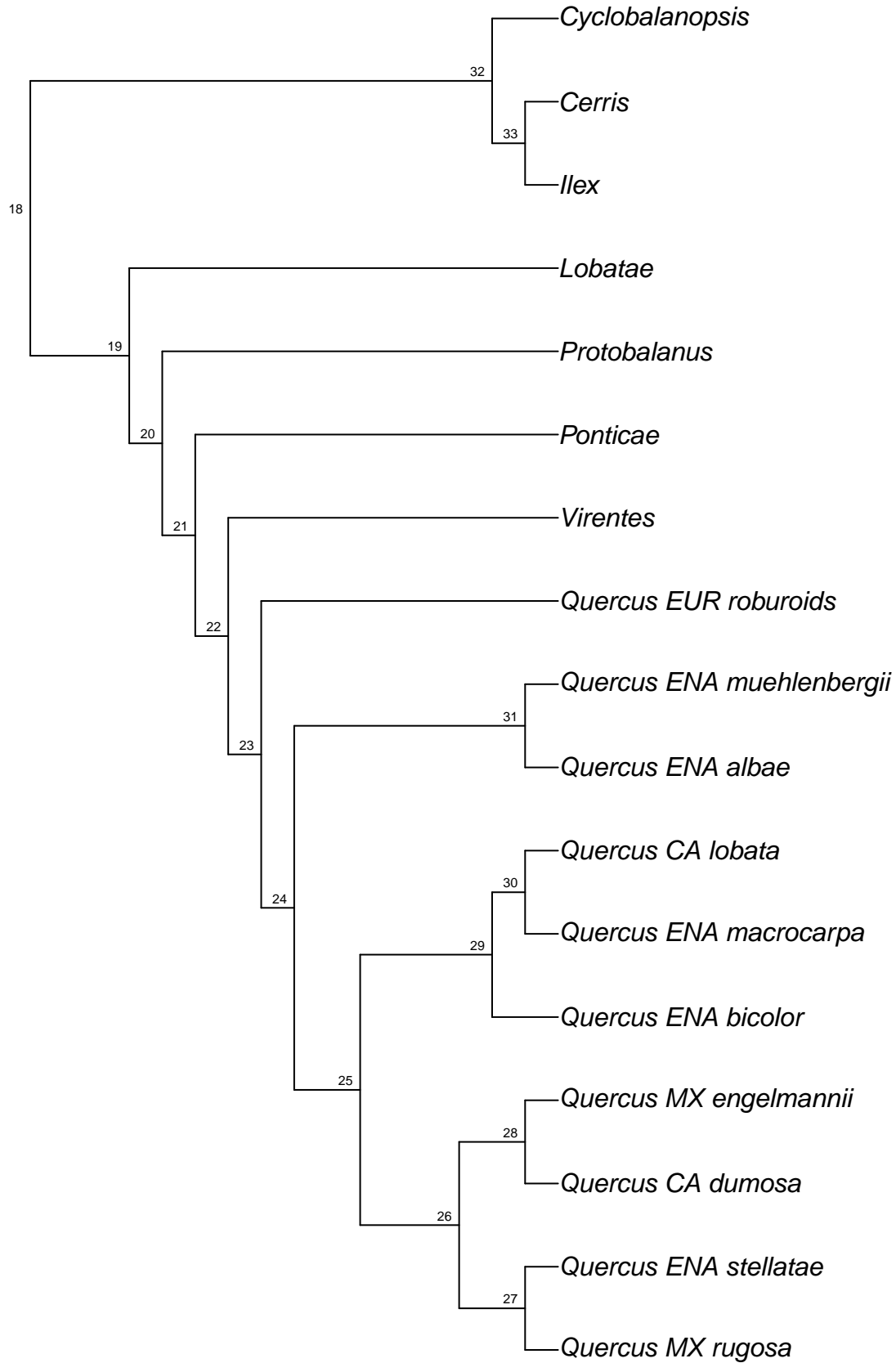
refRAD.ref\_rubra\_raxml.bt092



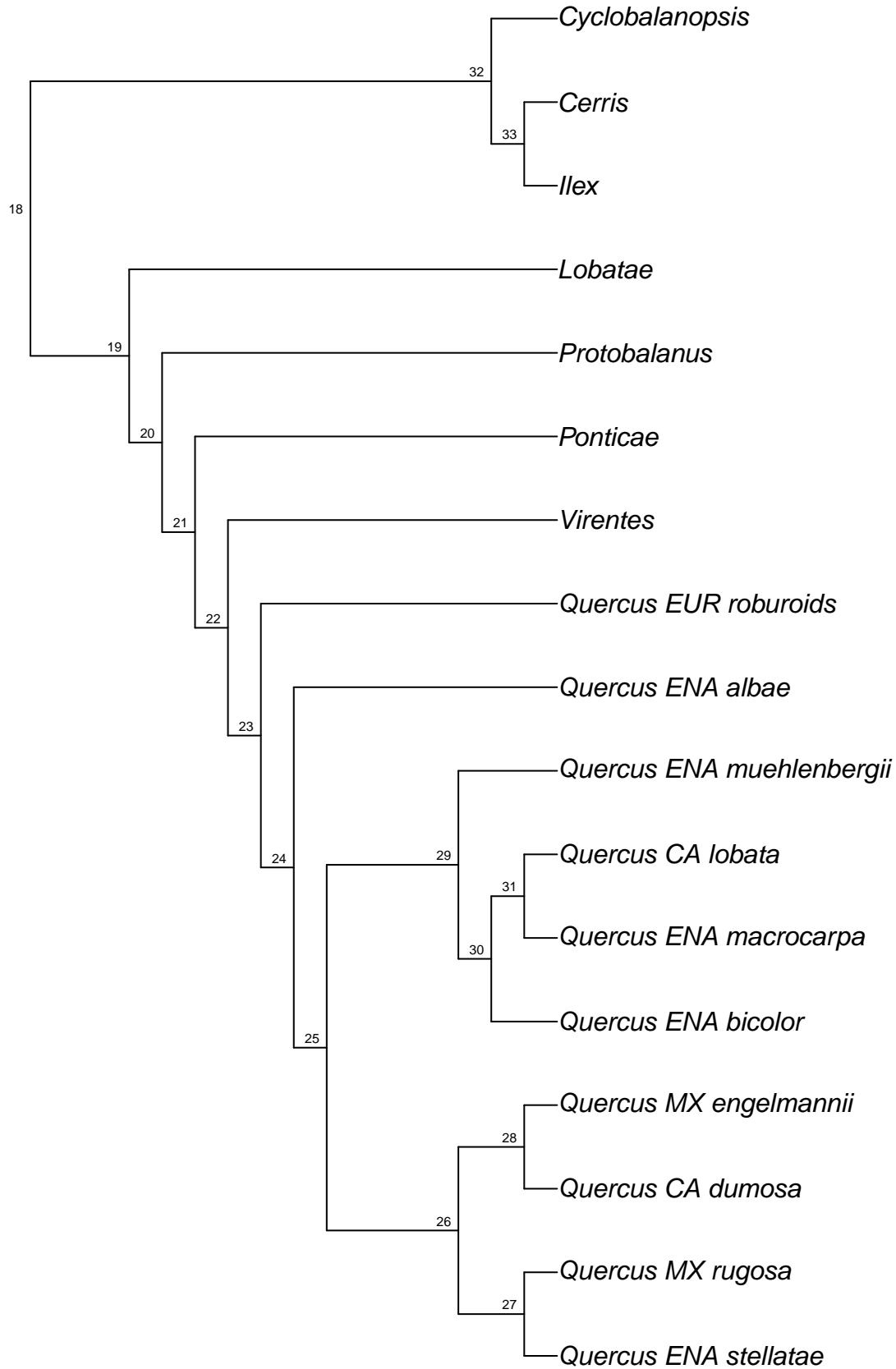
refRAD.ref\_rubra\_raxml.bt093



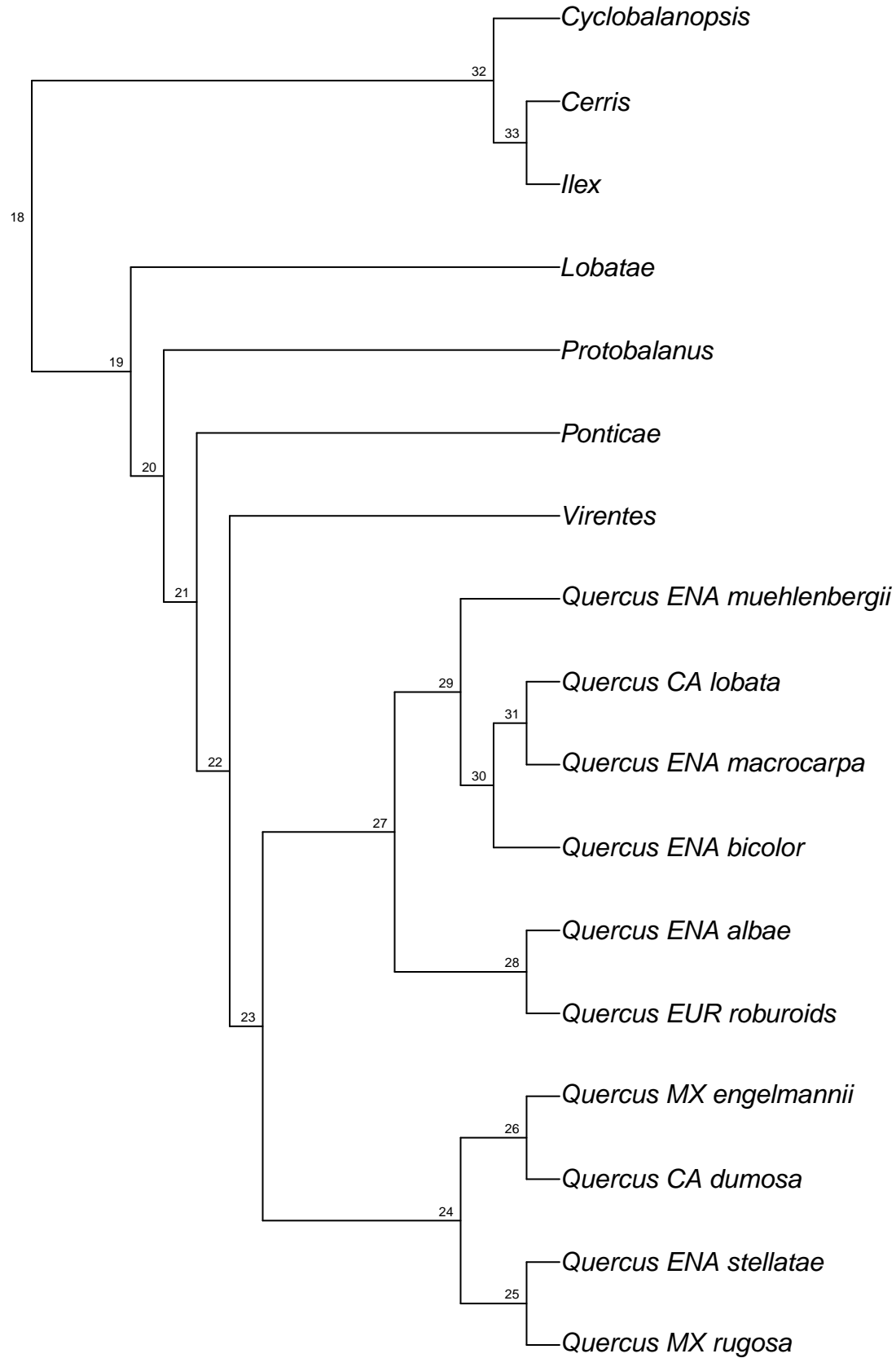
refRAD.ref\_rubra\_raxml.bt094



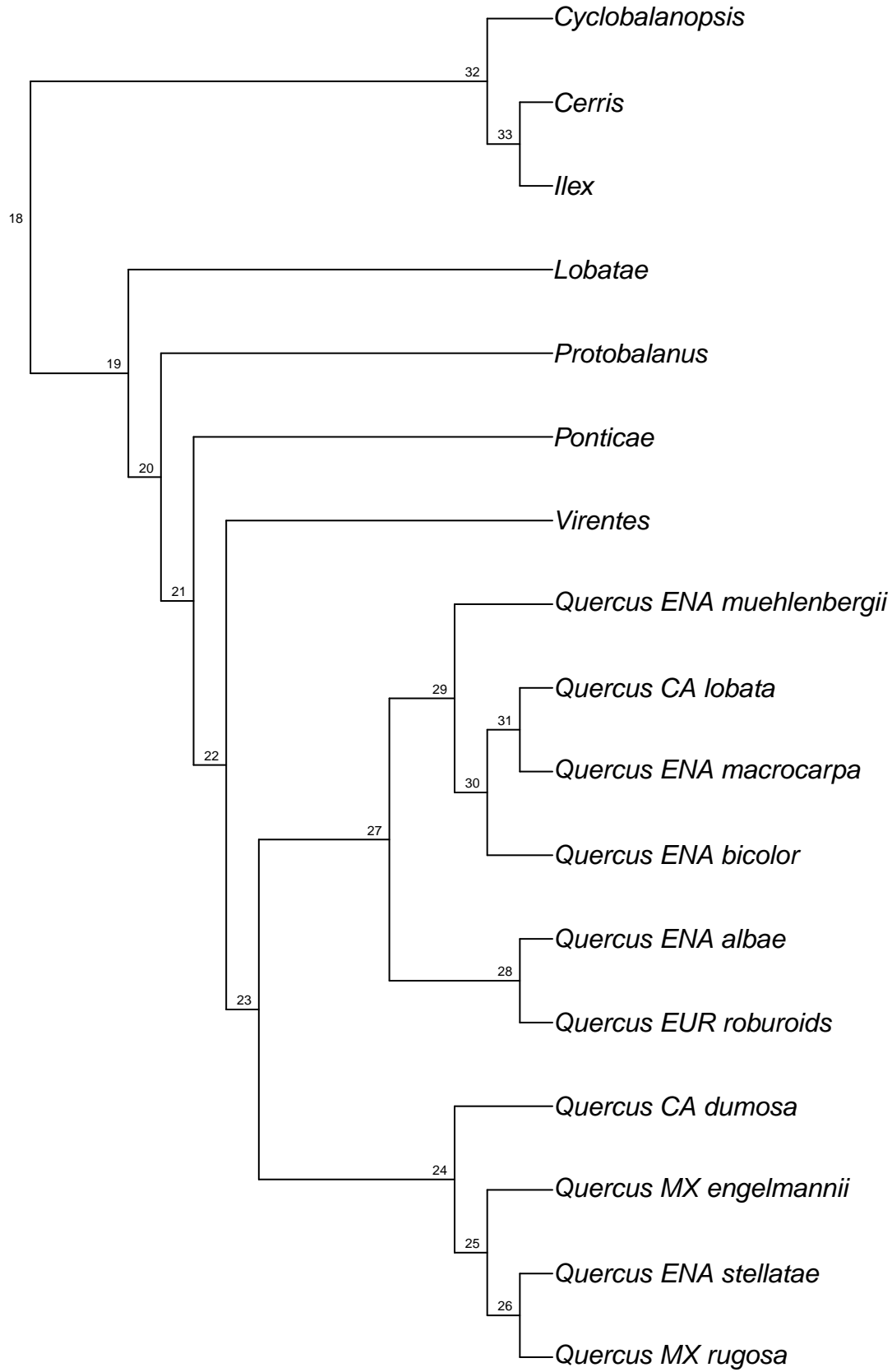
refRAD.ref\_rubra\_raxml.bt095



refRAD.ref\_rubra\_raxml.bt096

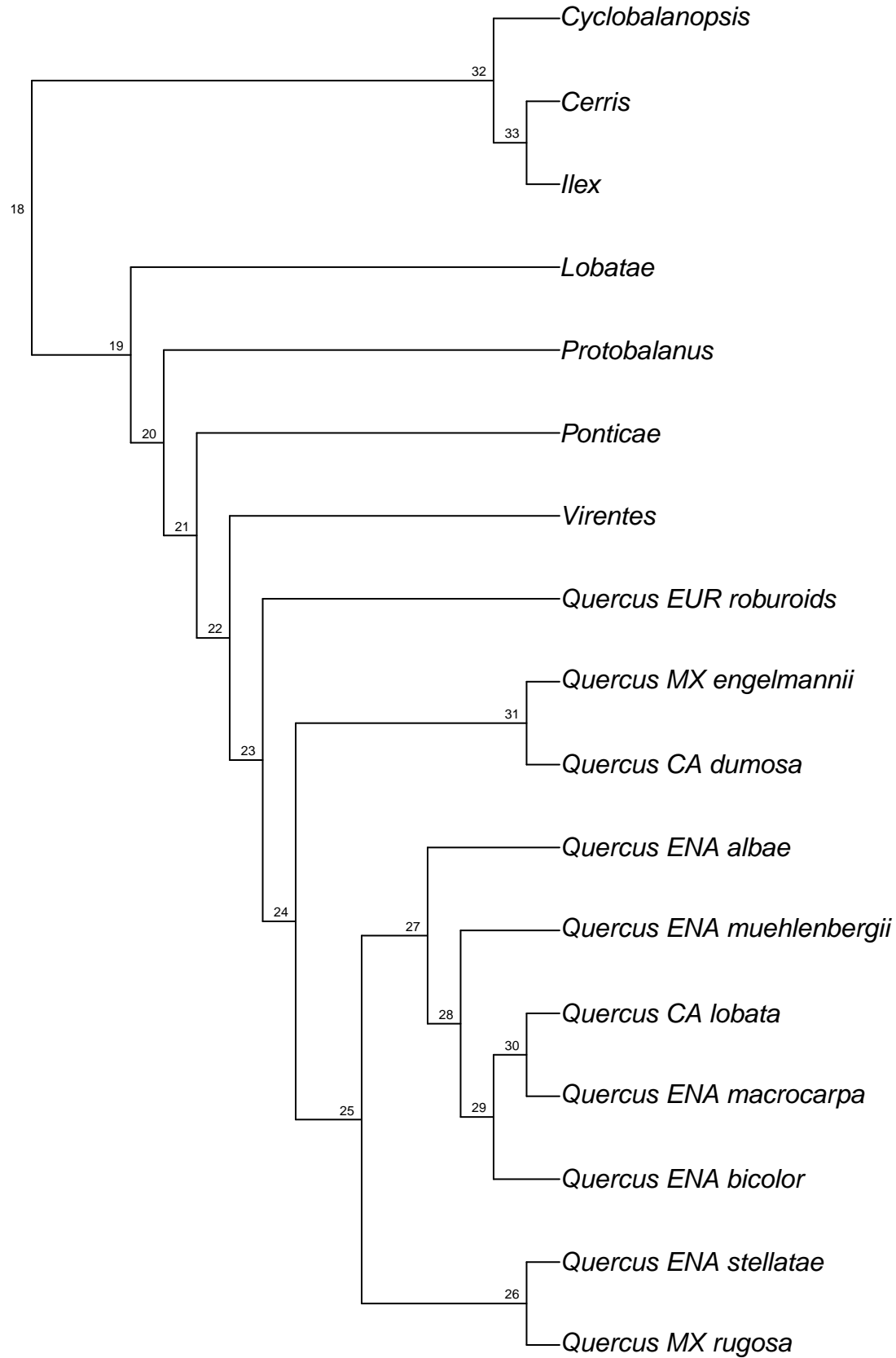


refRAD.ref\_rubra\_raxml.bt097

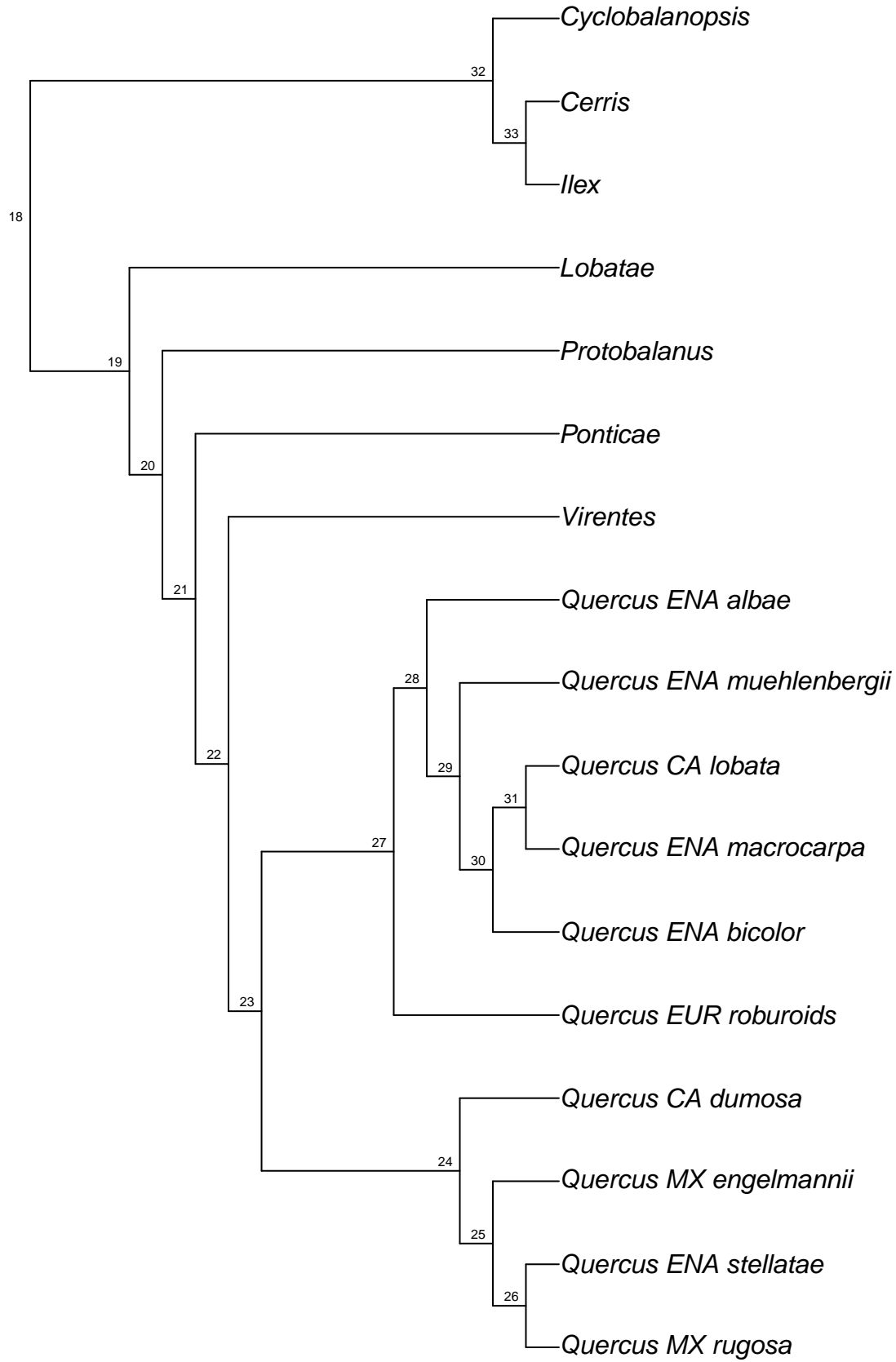




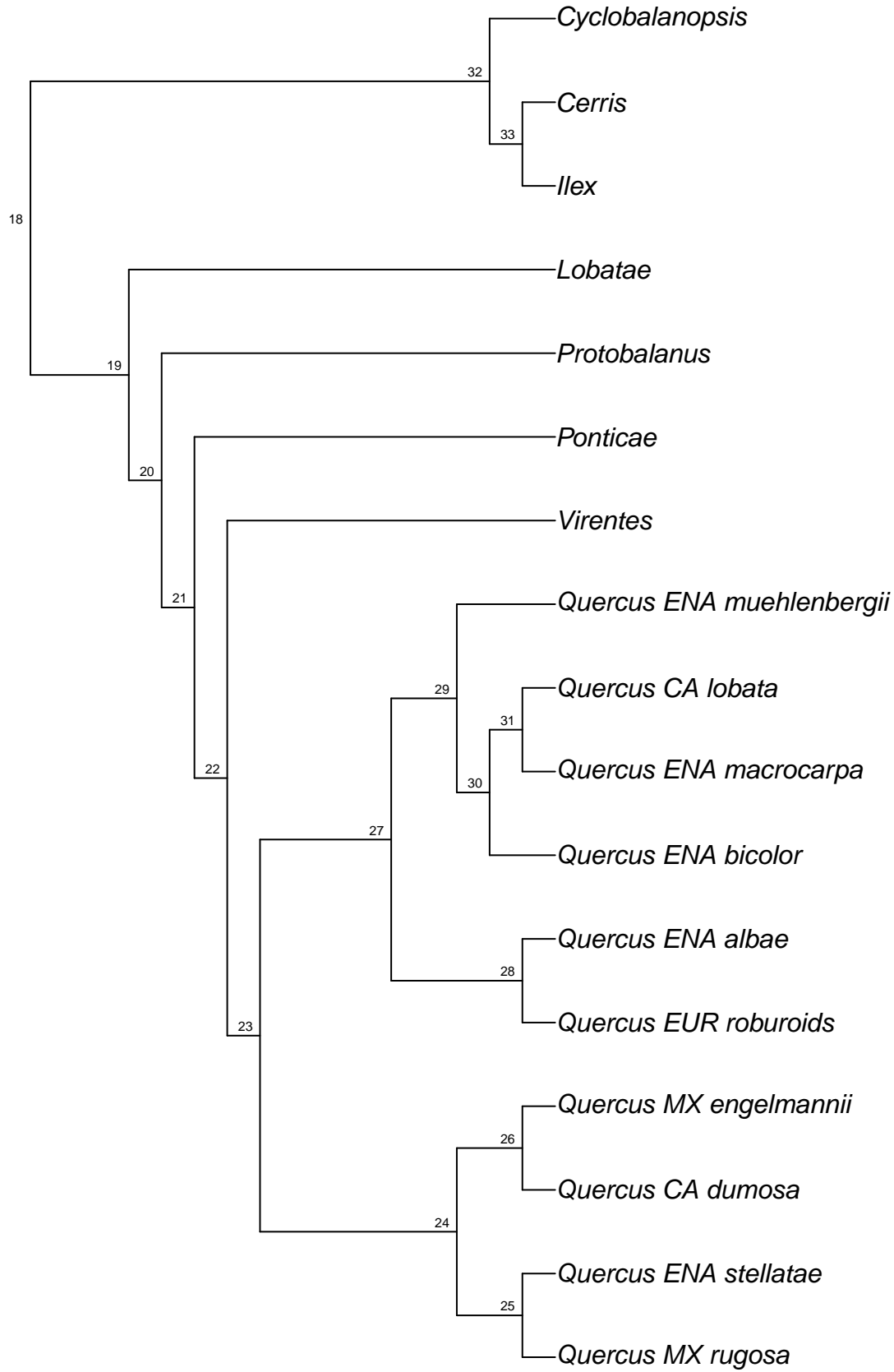
refRAD.ref\_rubra\_raxml.bt098



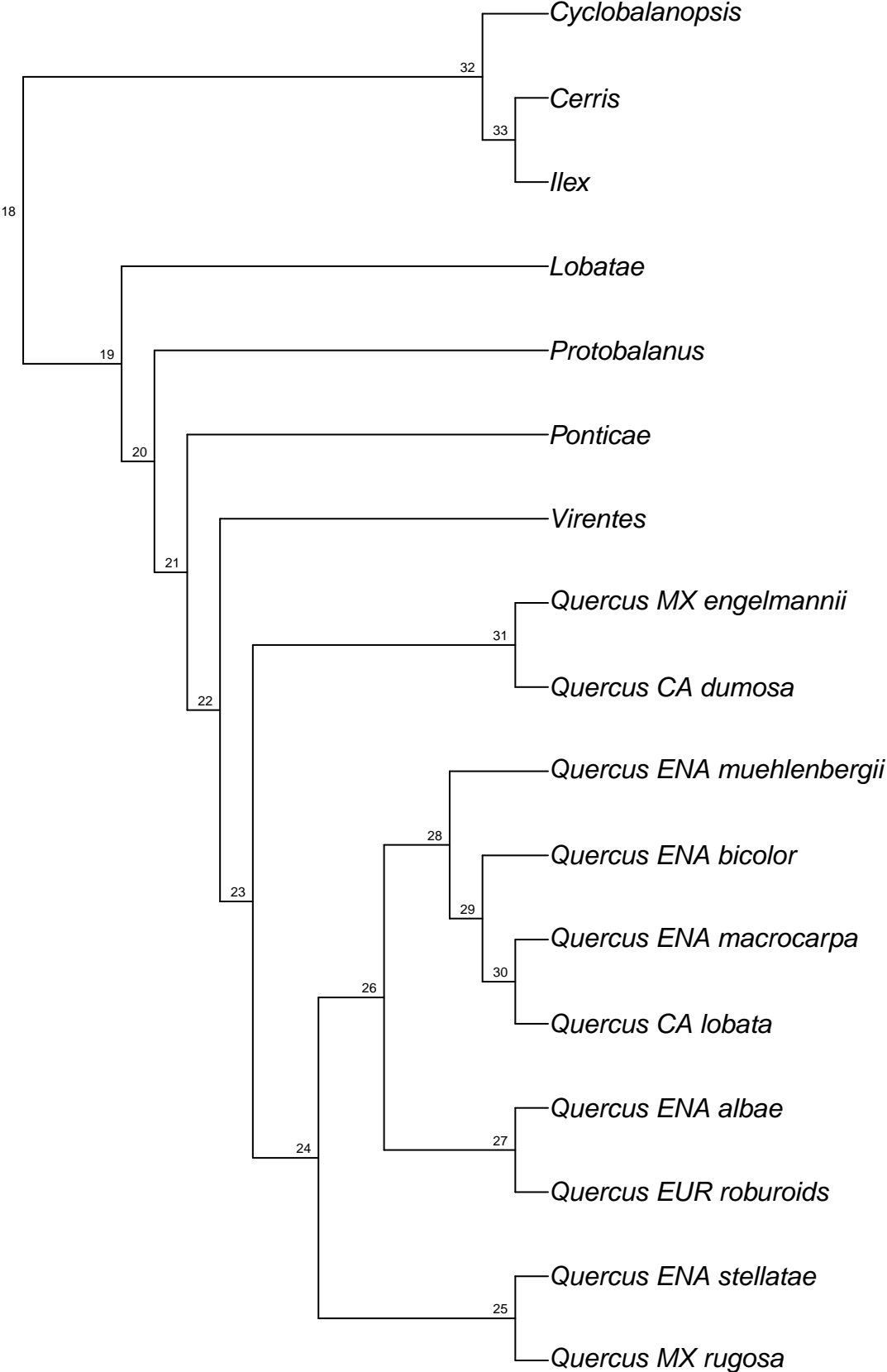
refRAD.ref\_rubra\_raxml.bt099



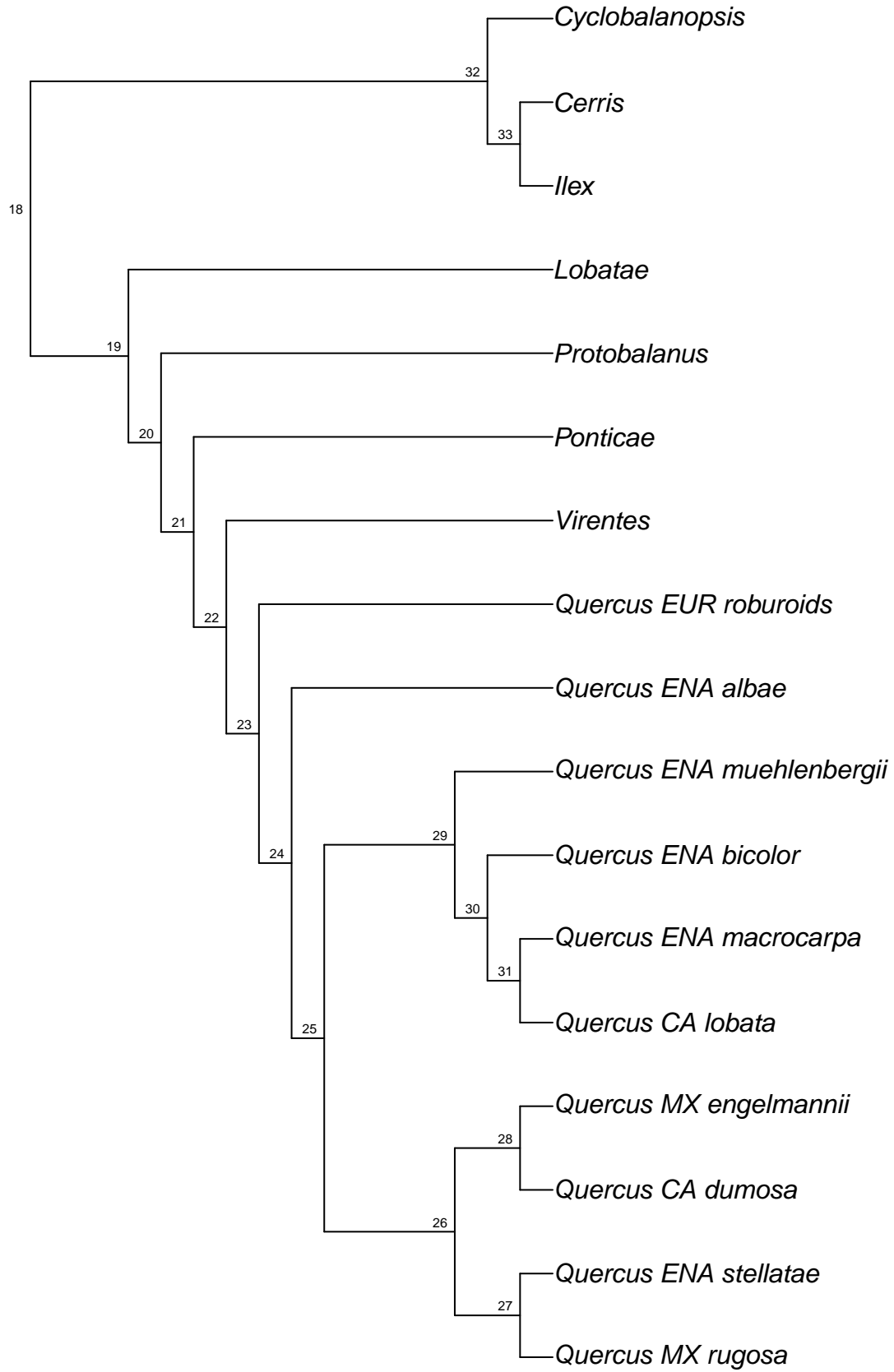
refRAD.ref\_rubra\_raxml.bt100



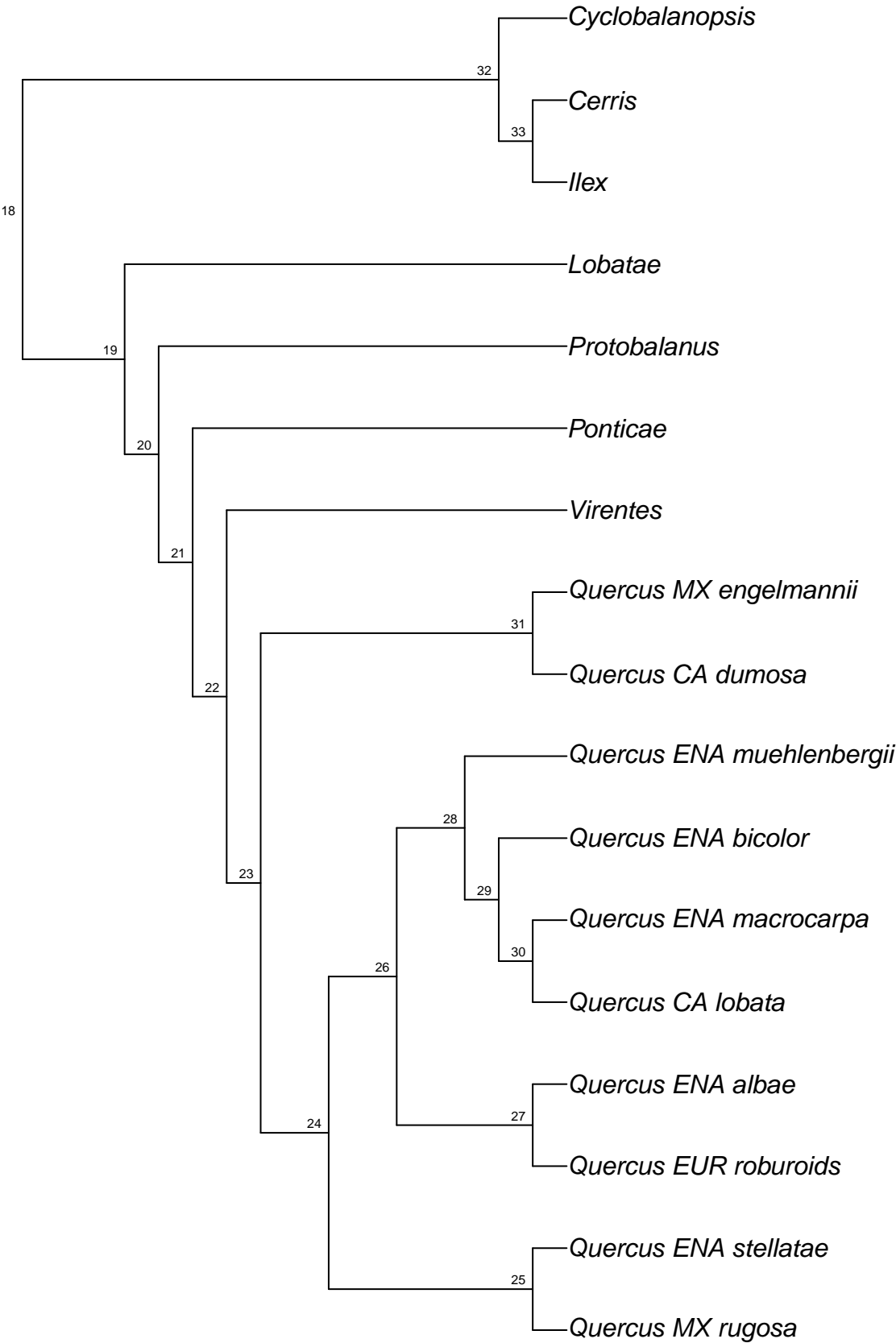
refRAD.ref\_tomentella\_raxml.bt001



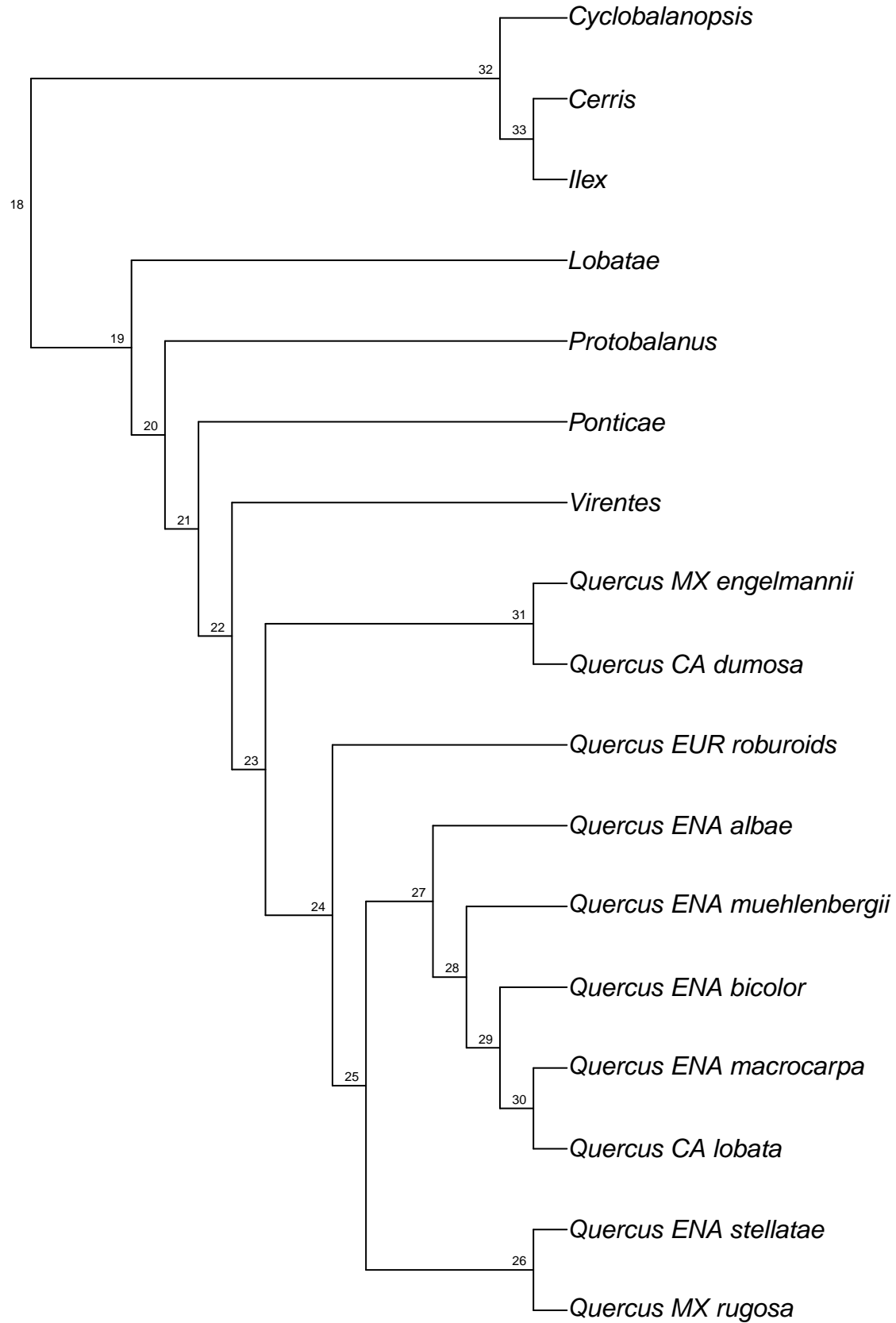
refRAD.ref\_tomentella\_raxml.bt002



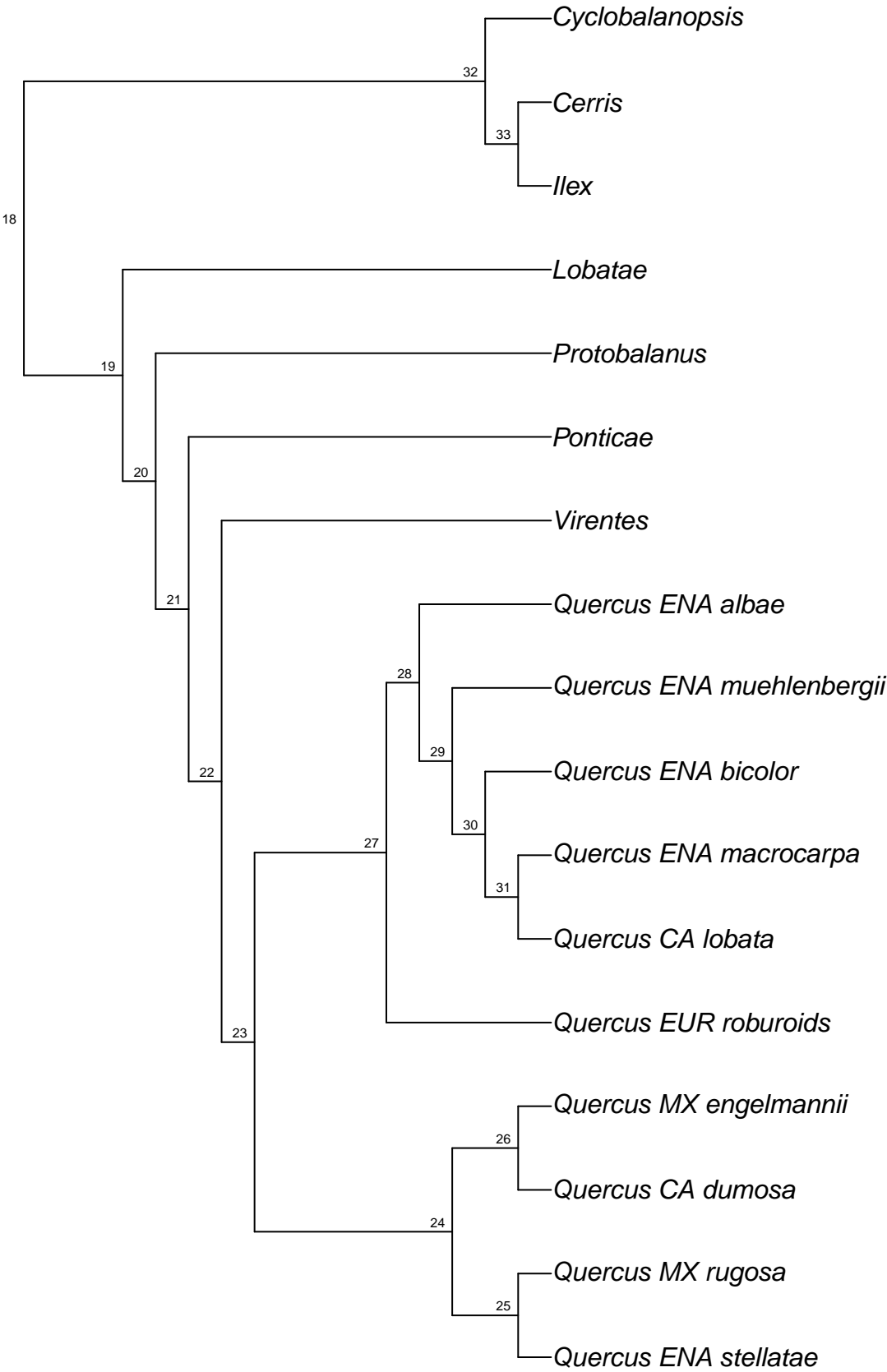
refRAD.ref\_tomentella\_raxml.bt003



refRAD.ref\_tomentella\_raxml.bt004

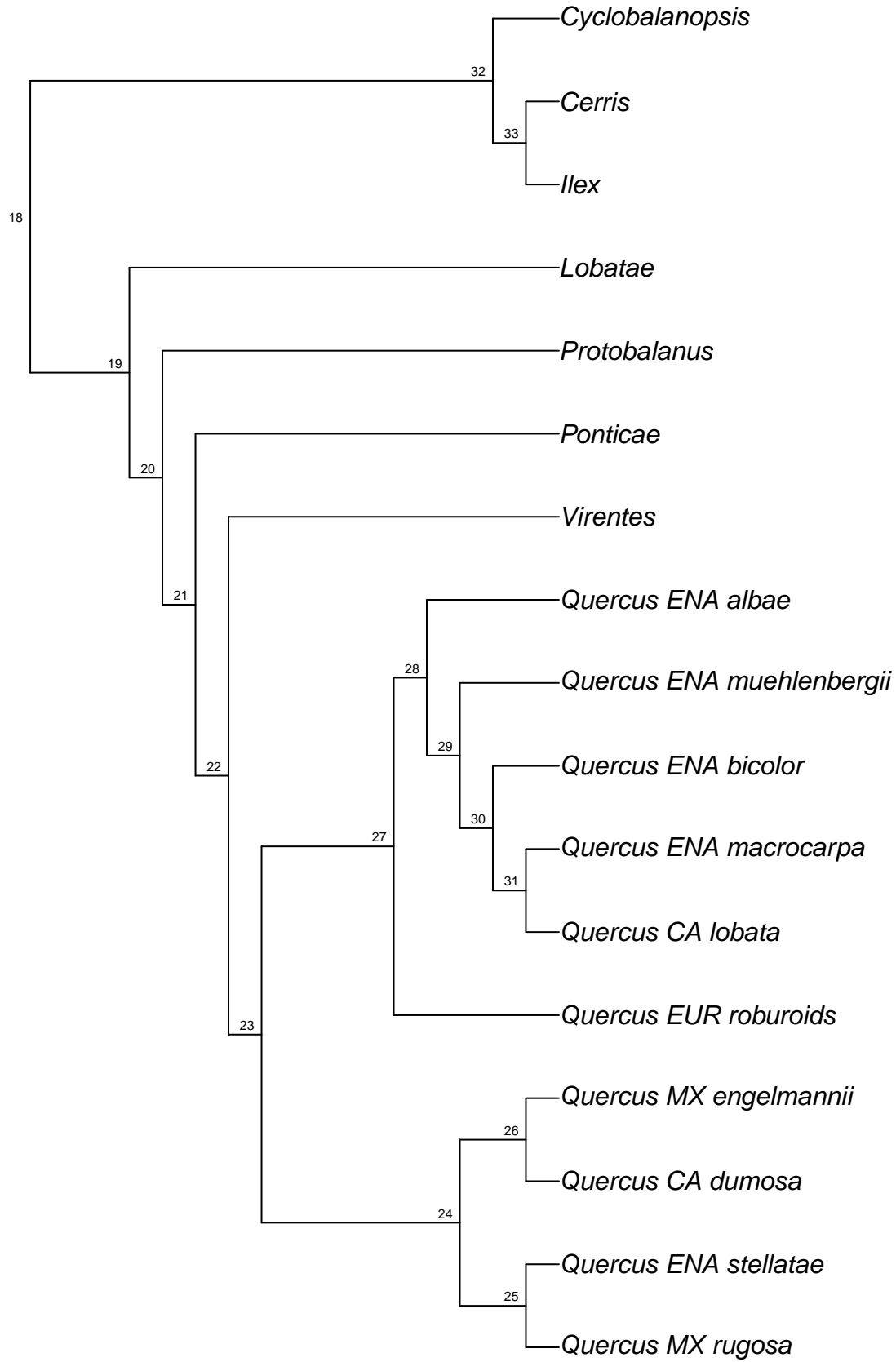


refRAD.ref\_tomentella\_raxml.bt005

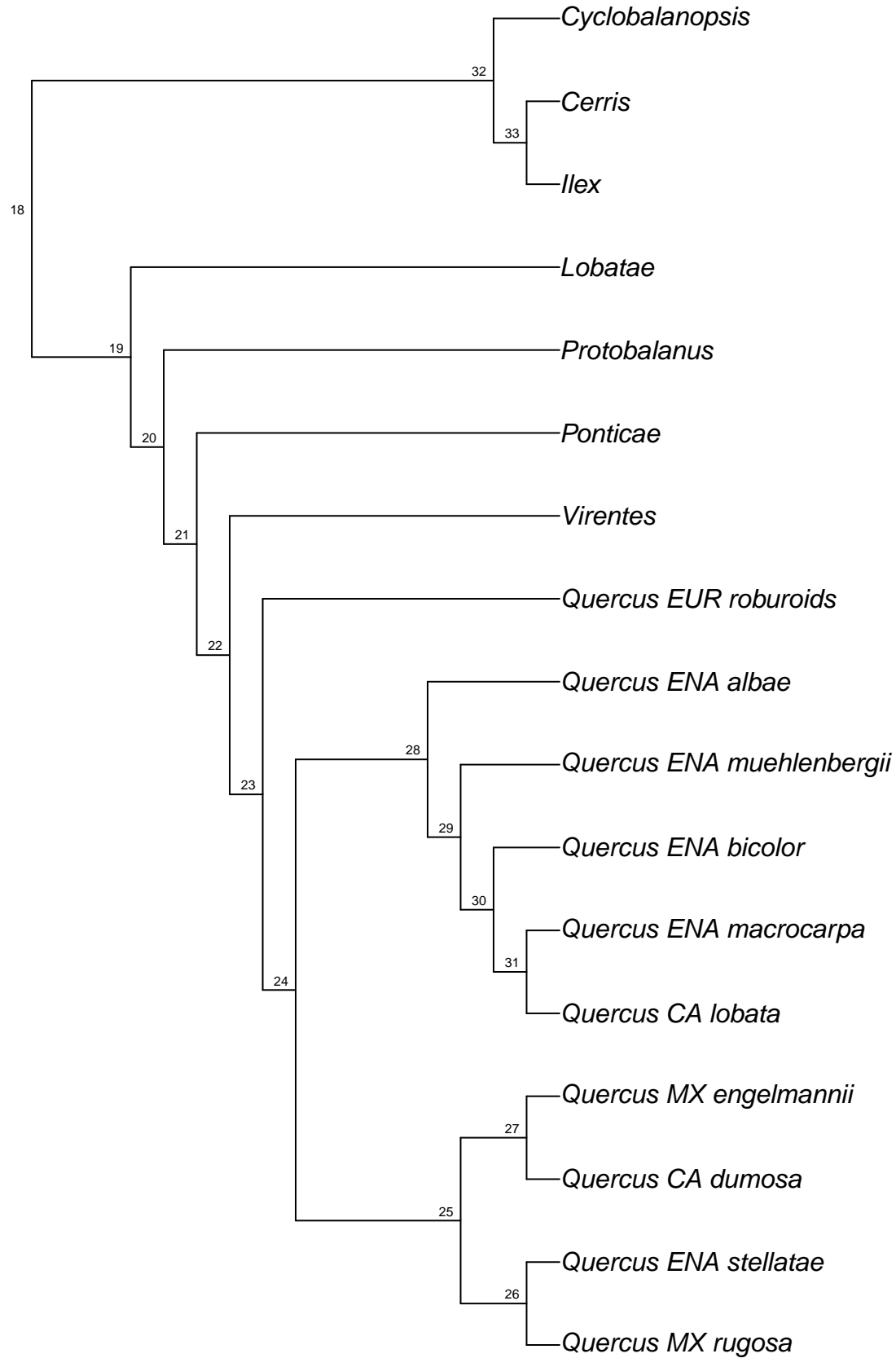




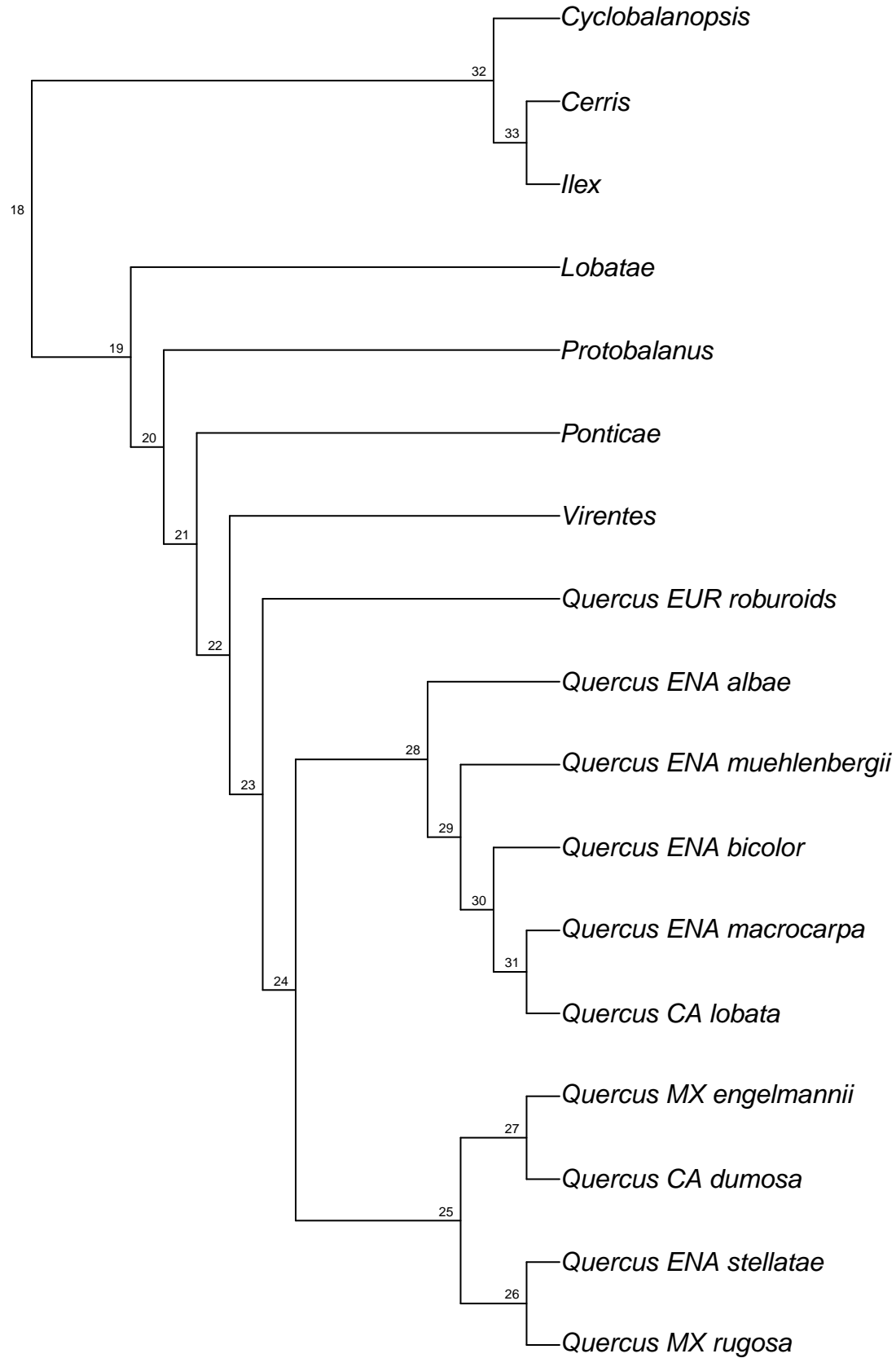
refRAD.ref\_tomentella\_raxml.bt006



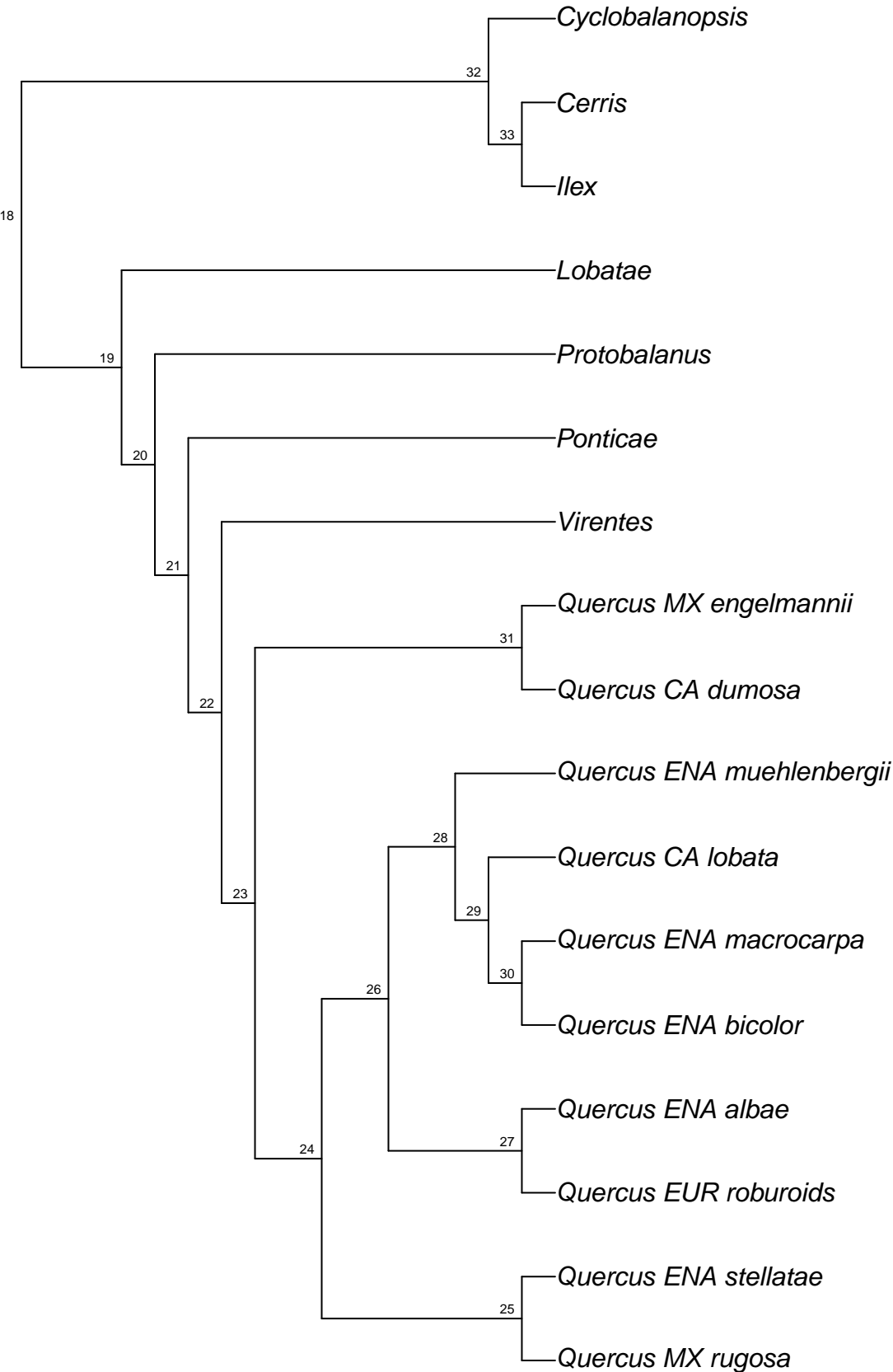
refRAD.ref\_tomentella\_raxml.bt007



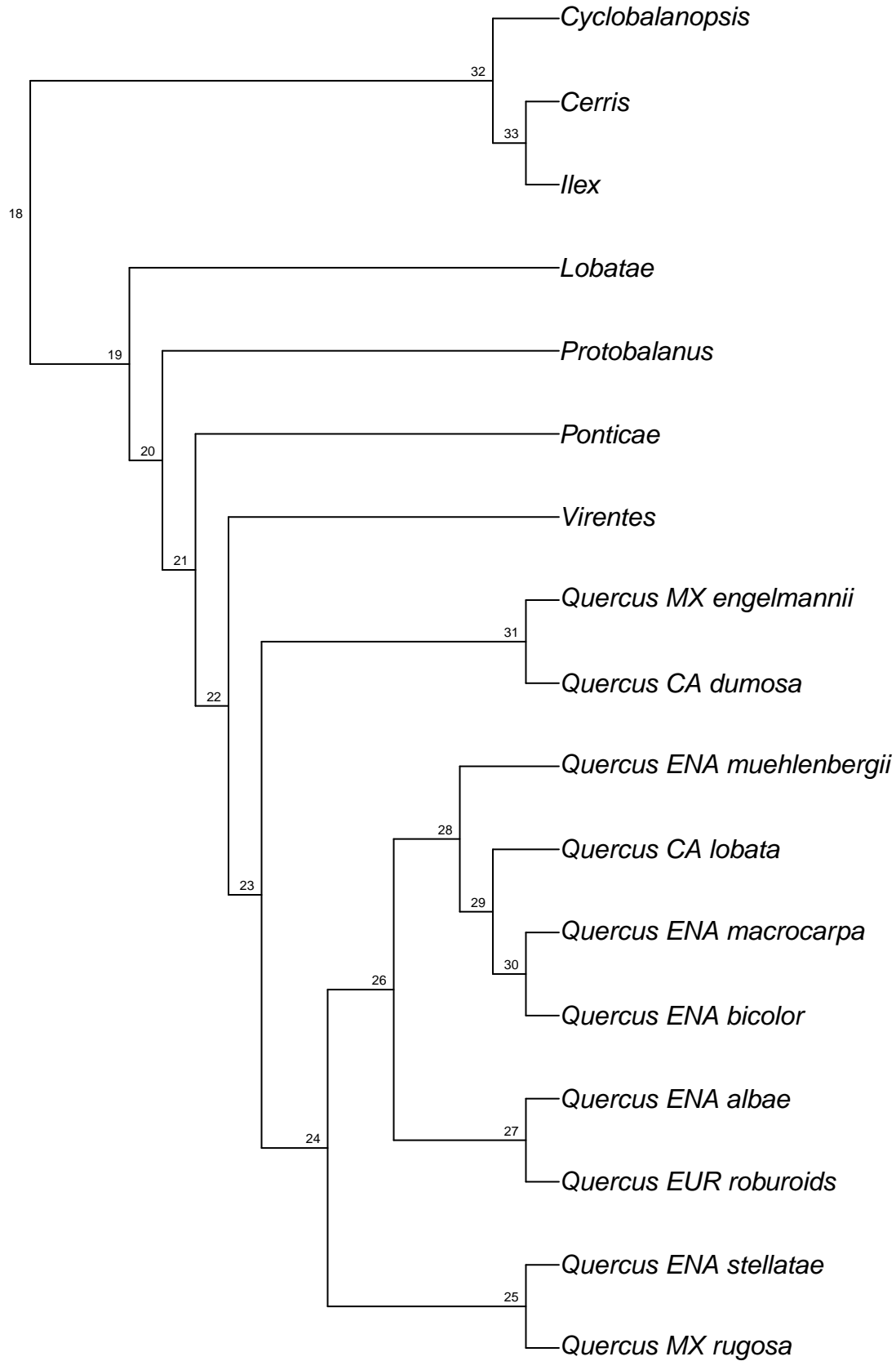
refRAD.ref\_tomentella\_raxml.bt008



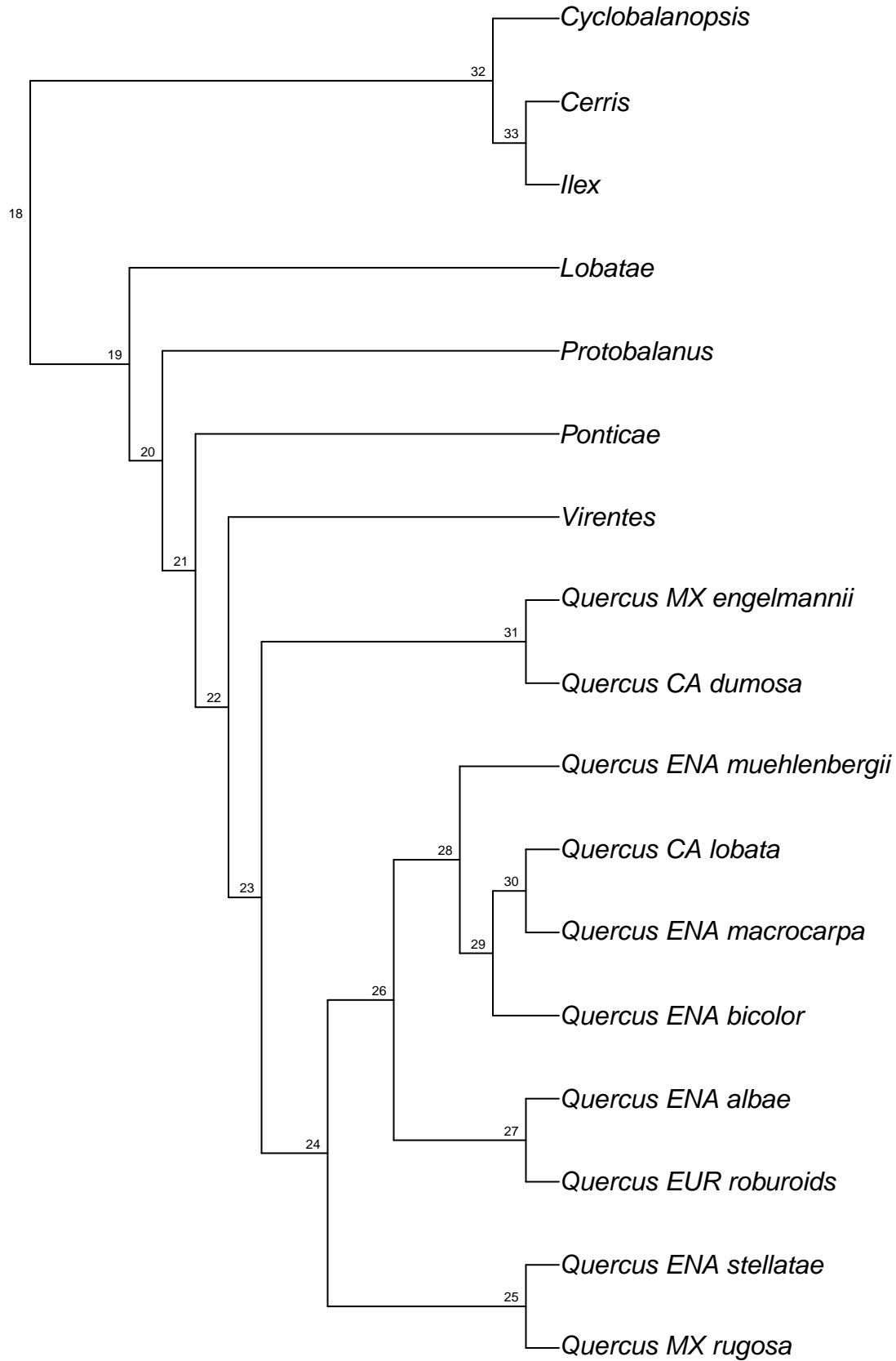
refRAD.ref\_tomentella\_raxml.bt009



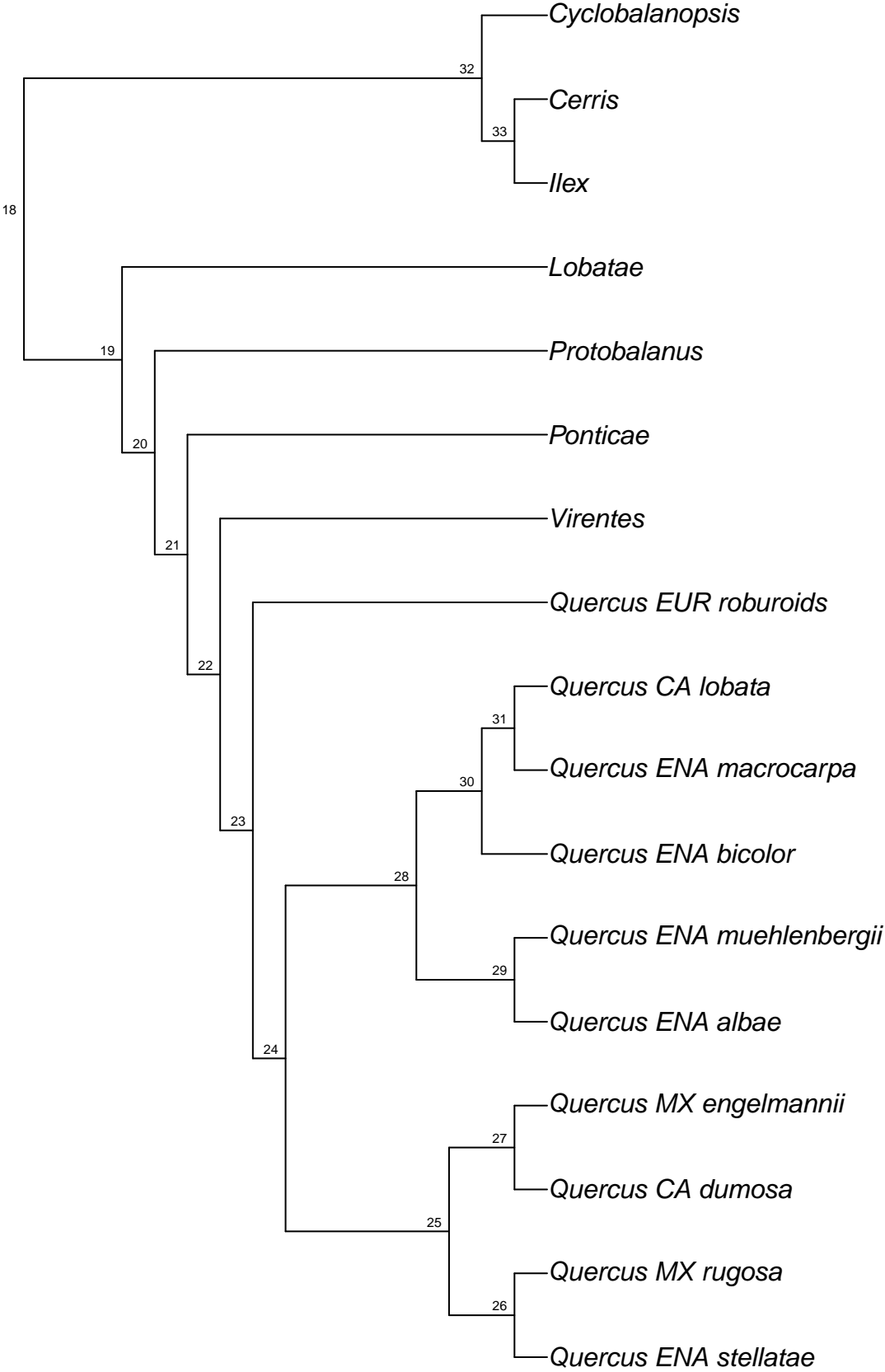
refRAD.ref\_tomentella\_raxml.bt010



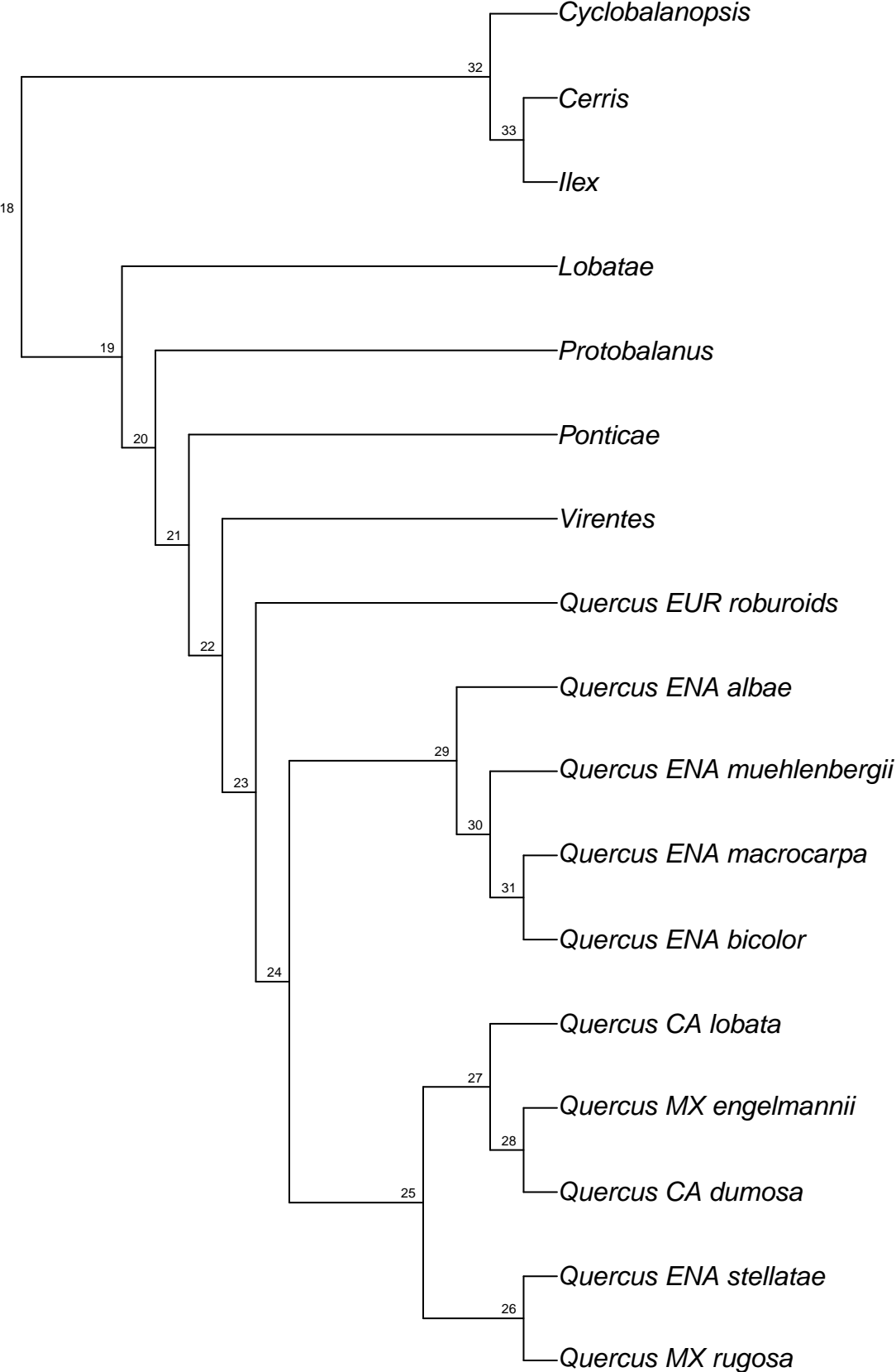
refRAD.ref\_tomentella\_raxml.bt011



refRAD.ref\_tomentella\_raxml.bt012

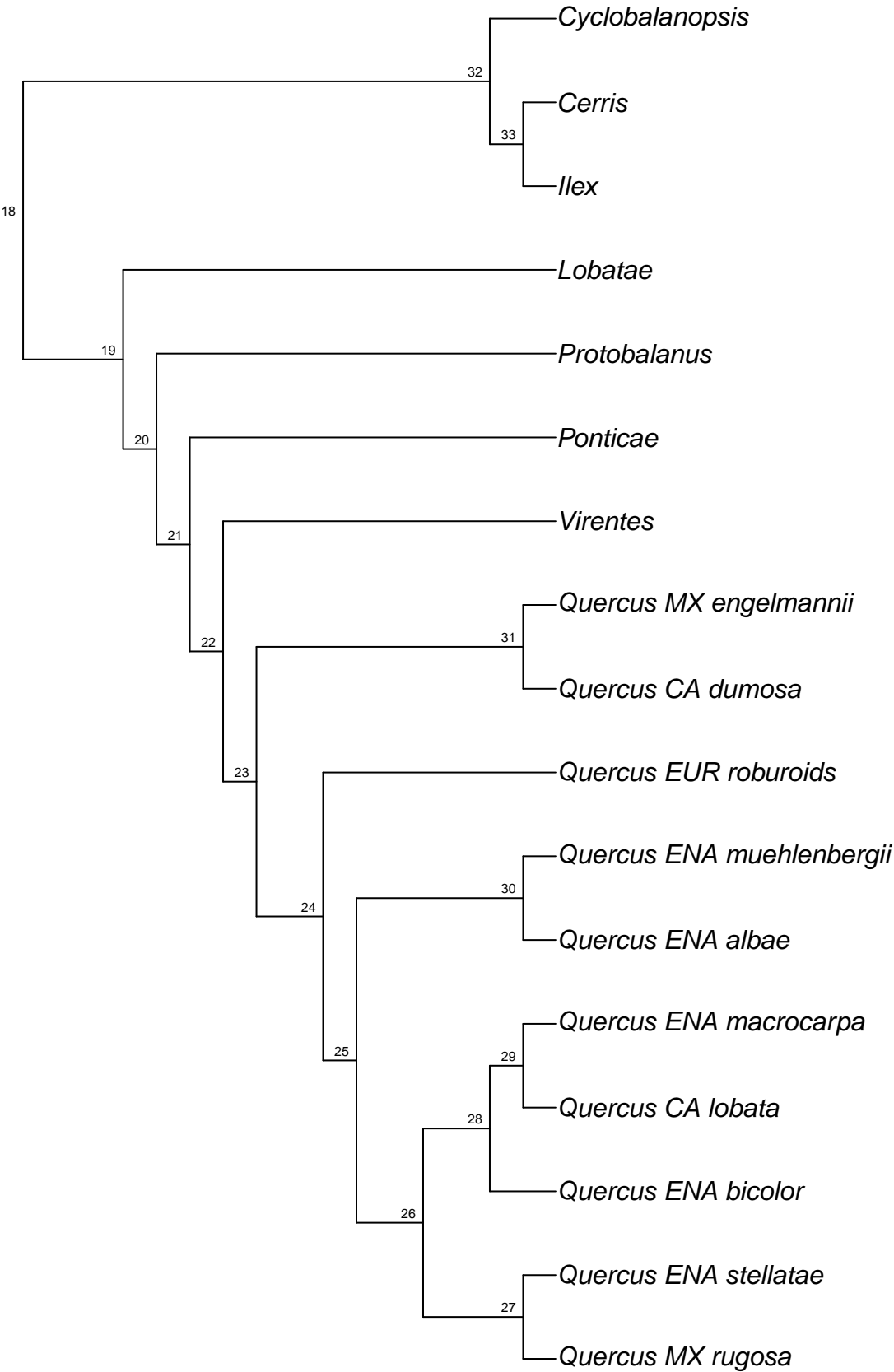


refRAD.ref\_tomentella\_raxml.bt013

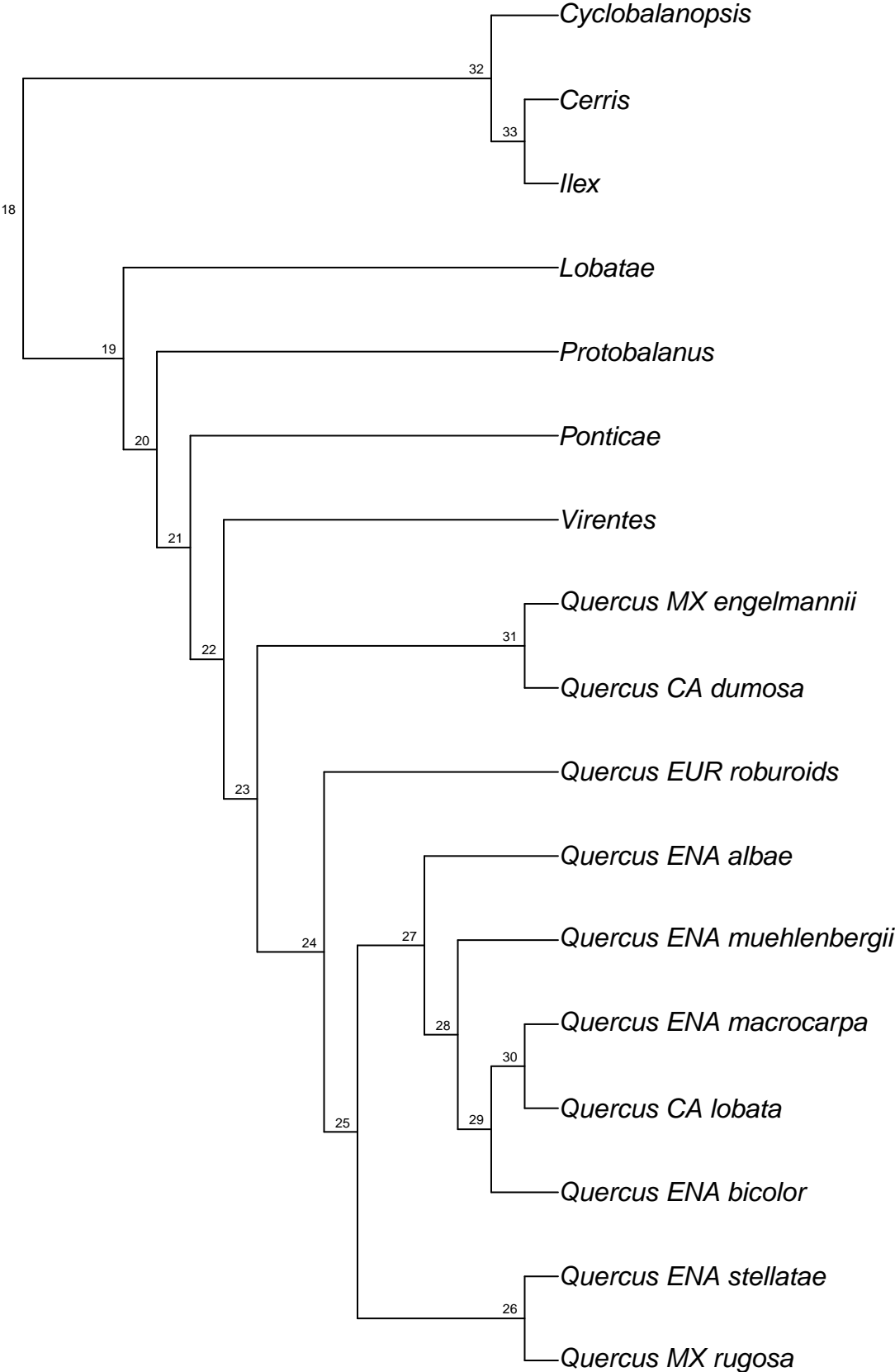




refRAD.ref\_tomentella\_raxml.bt014



refRAD.ref\_tomentella\_raxml.bt015

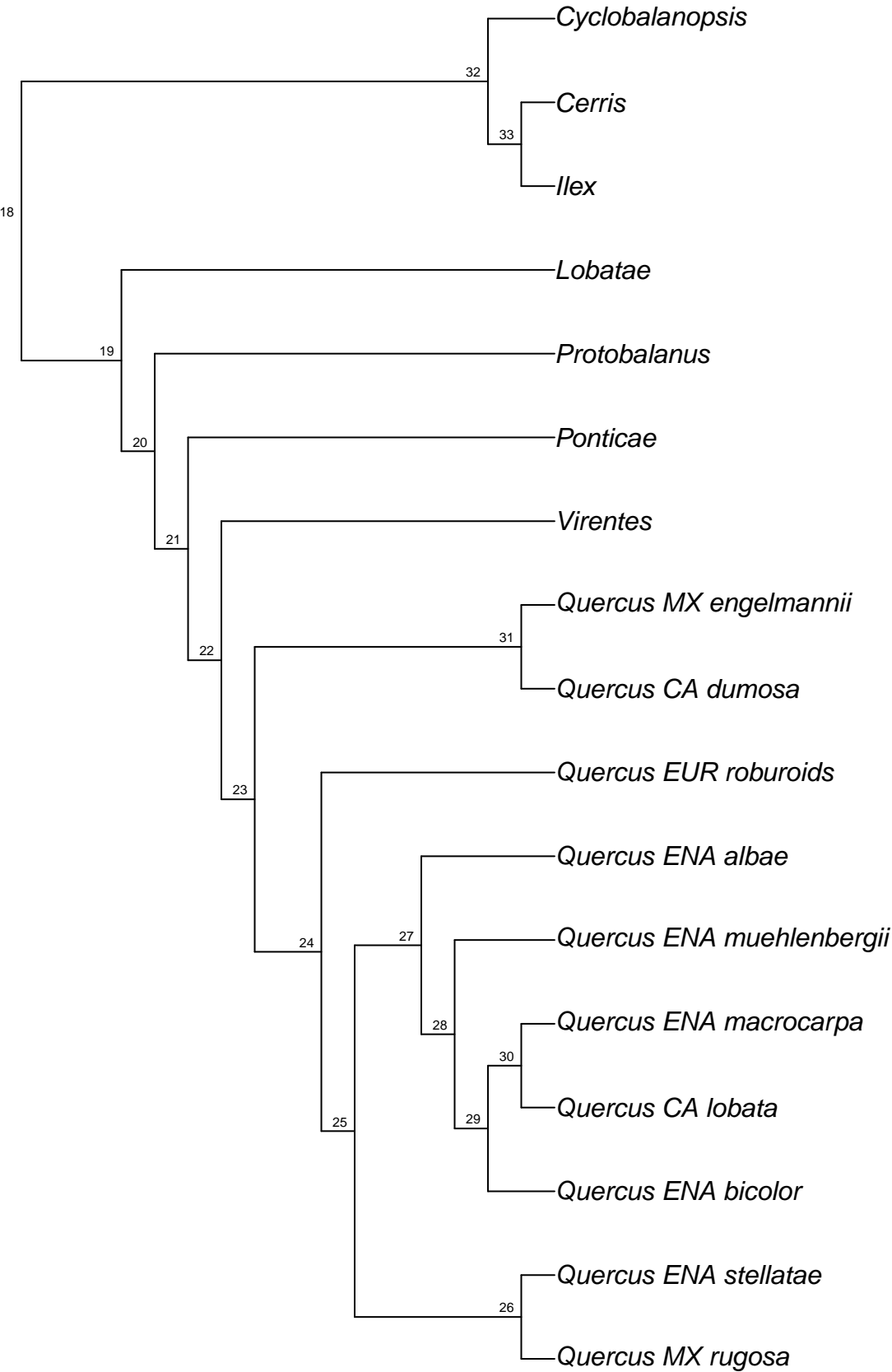


Phylogenetic tree showing relationships between *Quercus* species and outgroups, based on 18S rDNA sequences. The tree is rooted at node 18. The species names are listed on the right, and node numbers are indicated at the branching points.

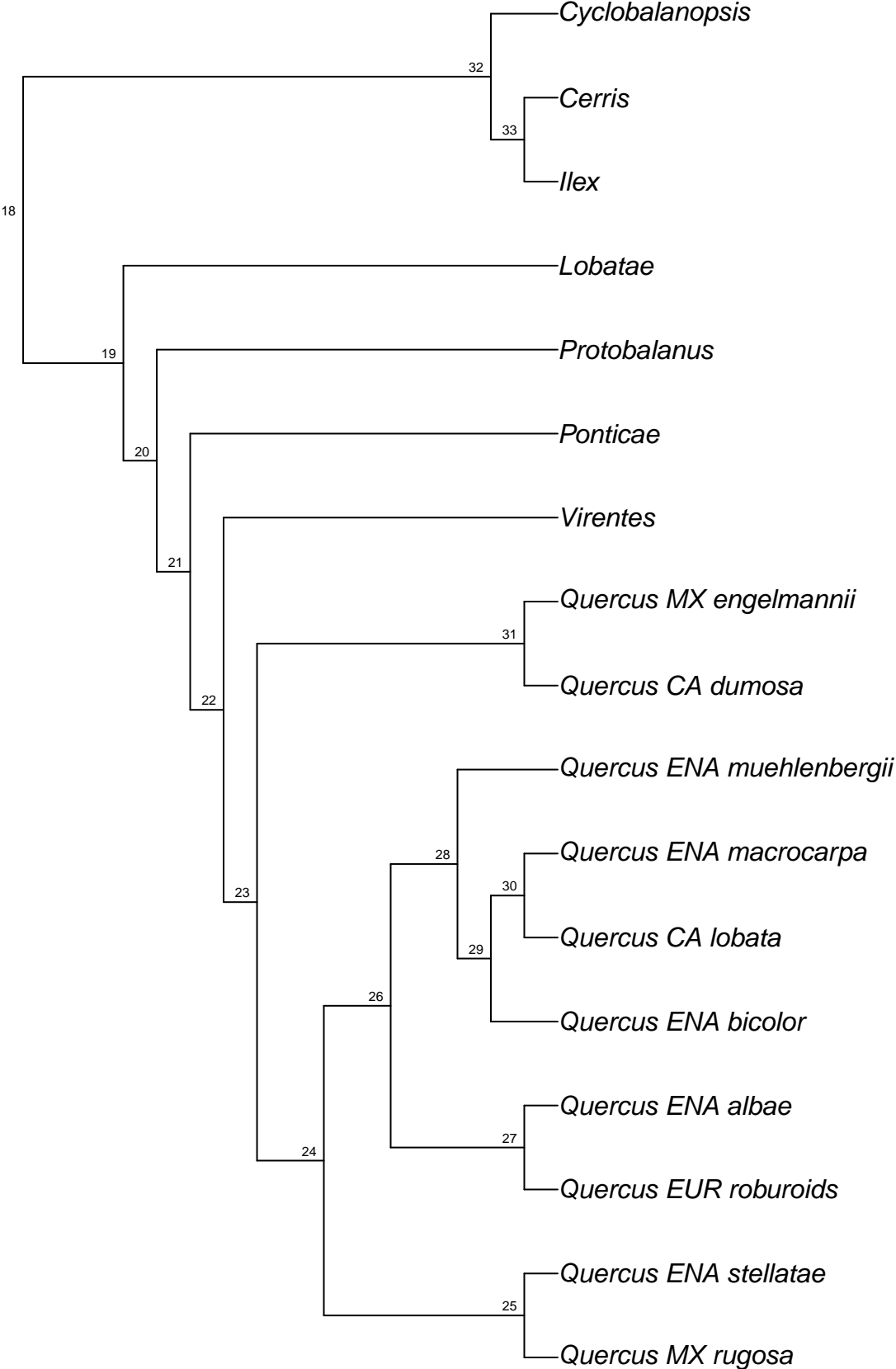
Species and their corresponding node numbers (from top to bottom):

- Cyclobalanopsis* (Node 32)
- Cerris* (Node 33)
- Ilex* (Node 33)
- Lobatae* (Node 19)
- Protobalanus* (Node 20)
- Ponticae* (Node 21)
- Virentes* (Node 22)
- Quercus MX engelmannii* (Node 31)
- Quercus CA dumosa* (Node 31)
- Quercus ENA muehlenbergii* (Node 28)
- Quercus ENA macrocarpa* (Node 30)
- Quercus CA lobata* (Node 29)
- Quercus ENA bicolor* (Node 26)
- Quercus ENA albae* (Node 27)
- Quercus EUR roburoids* (Node 27)
- Quercus ENA stellatae* (Node 25)
- Quercus MX rugosa* (Node 25)

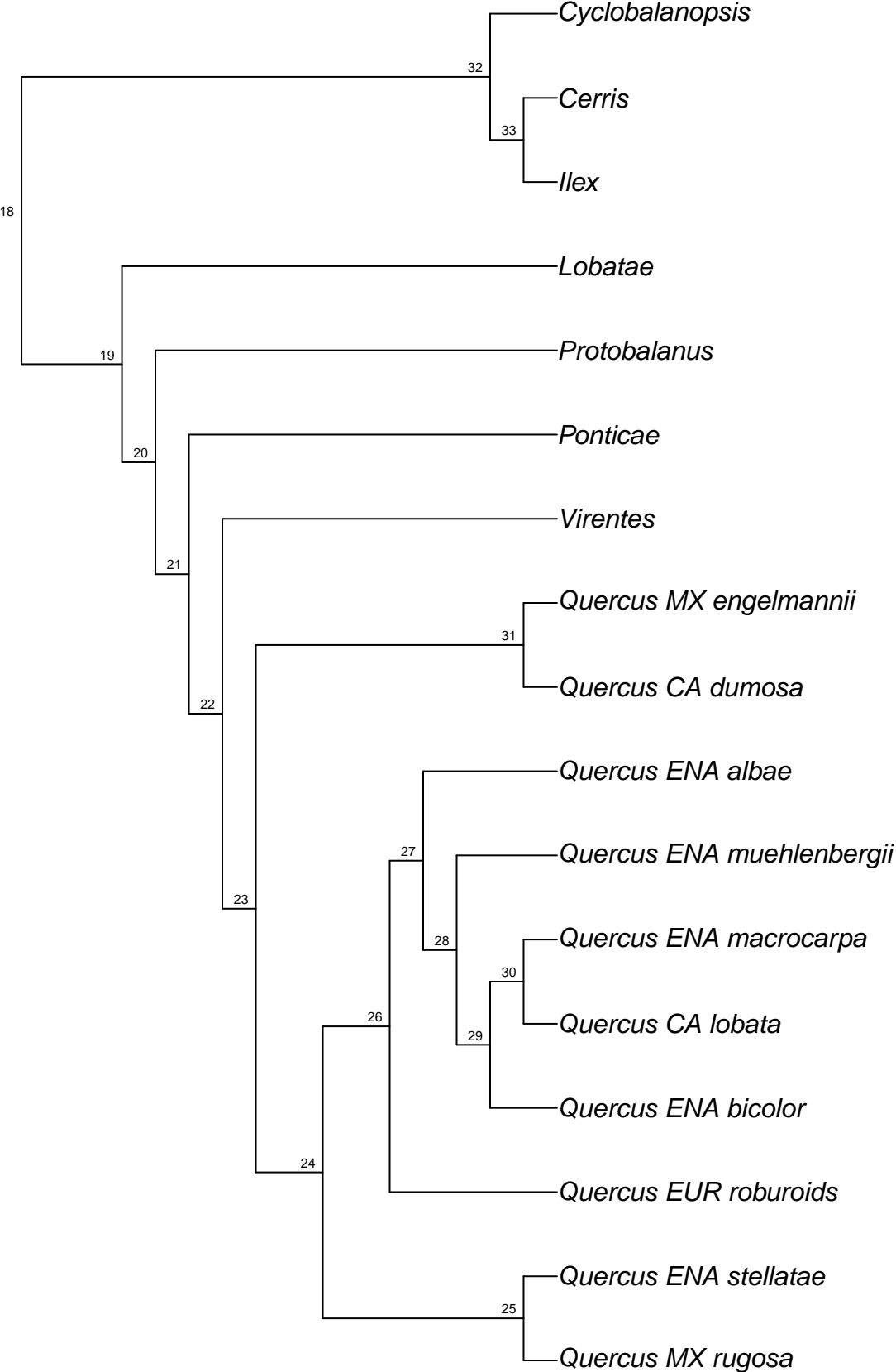
refRAD.ref\_tomentella\_raxml.bt017



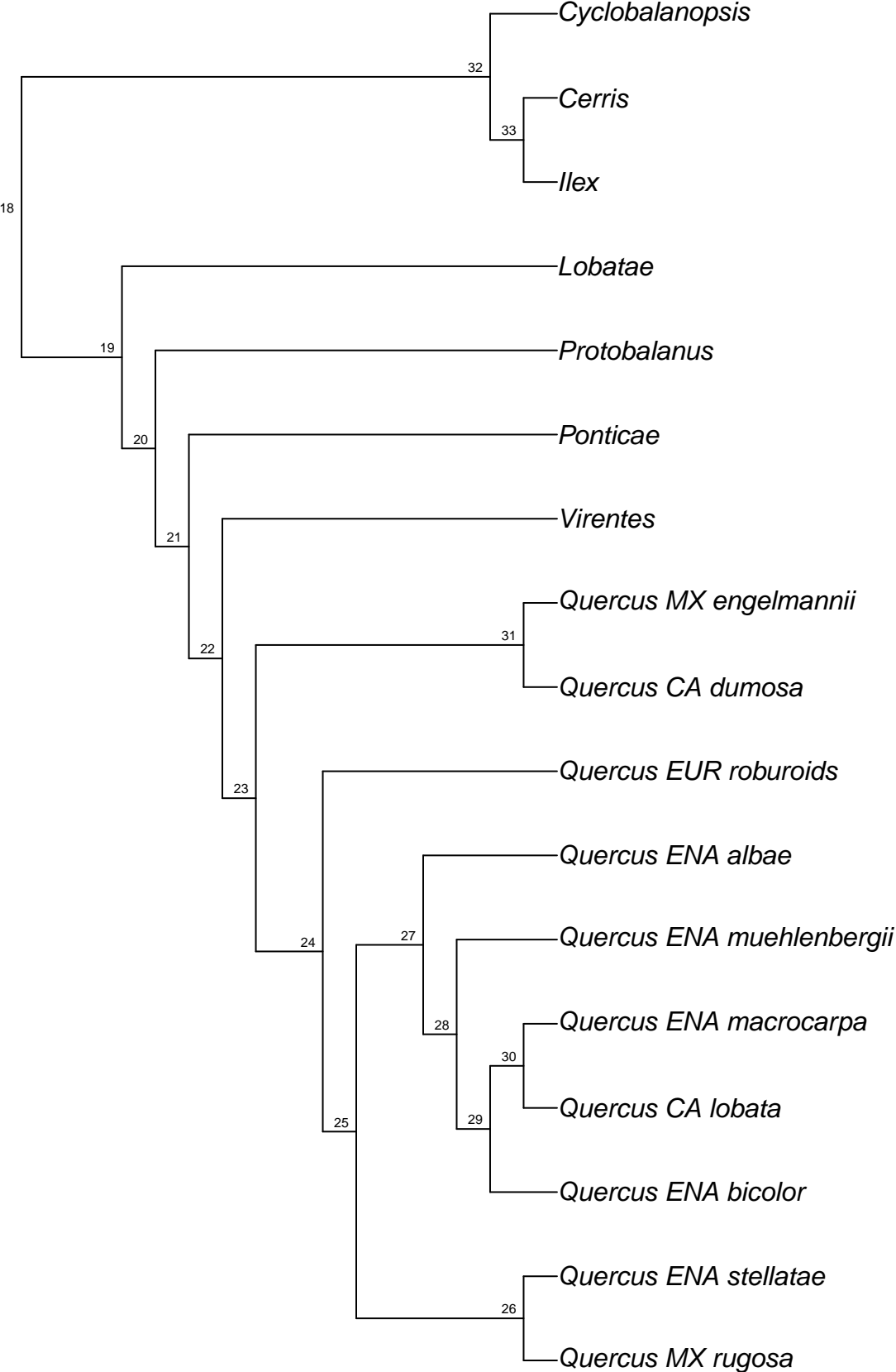
refRAD.ref\_tomentella\_raxml.bt018



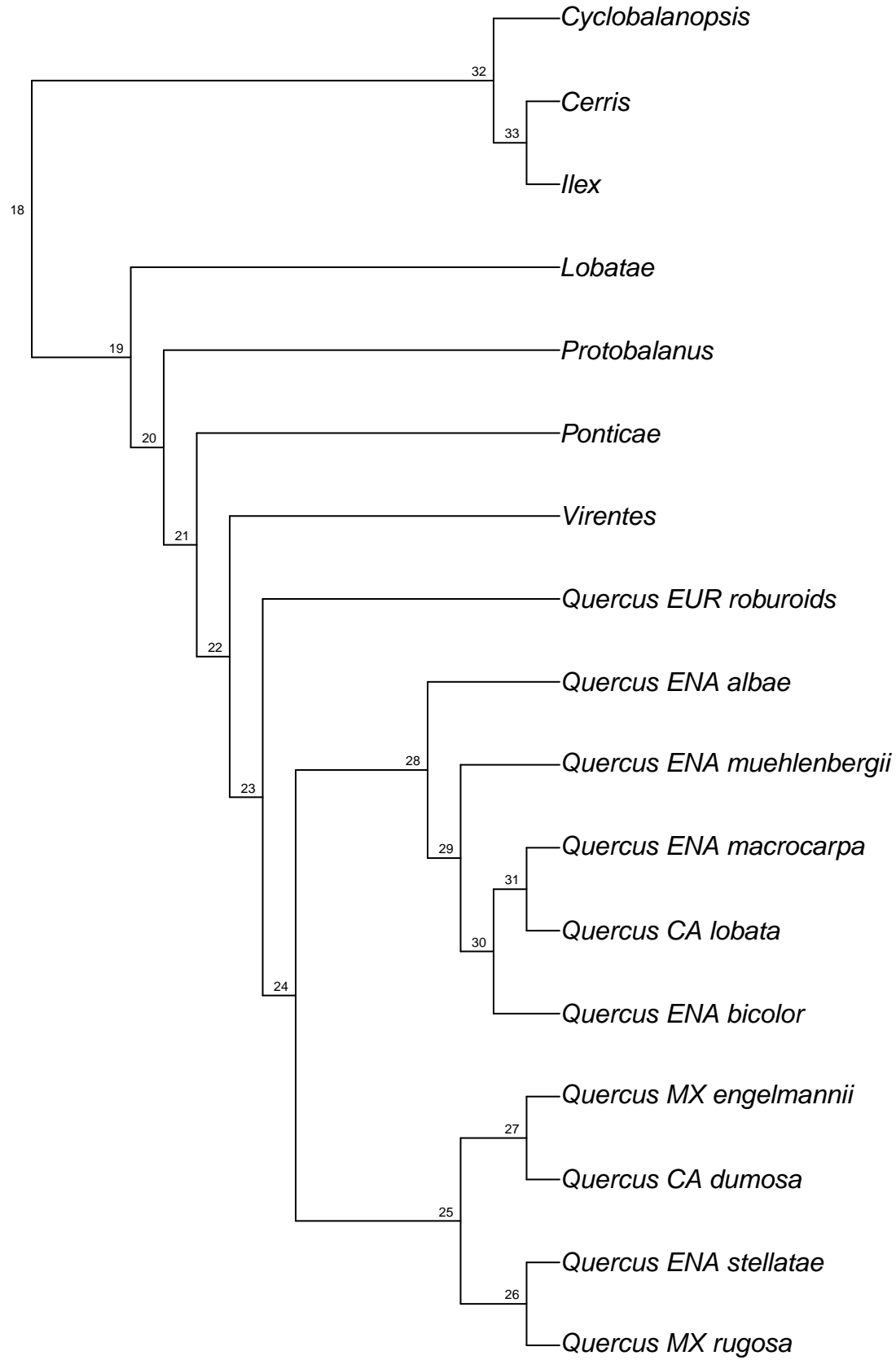
refRAD.ref\_tomentella\_raxml.bt019



refRAD.ref\_tomentella\_raxml.bt020

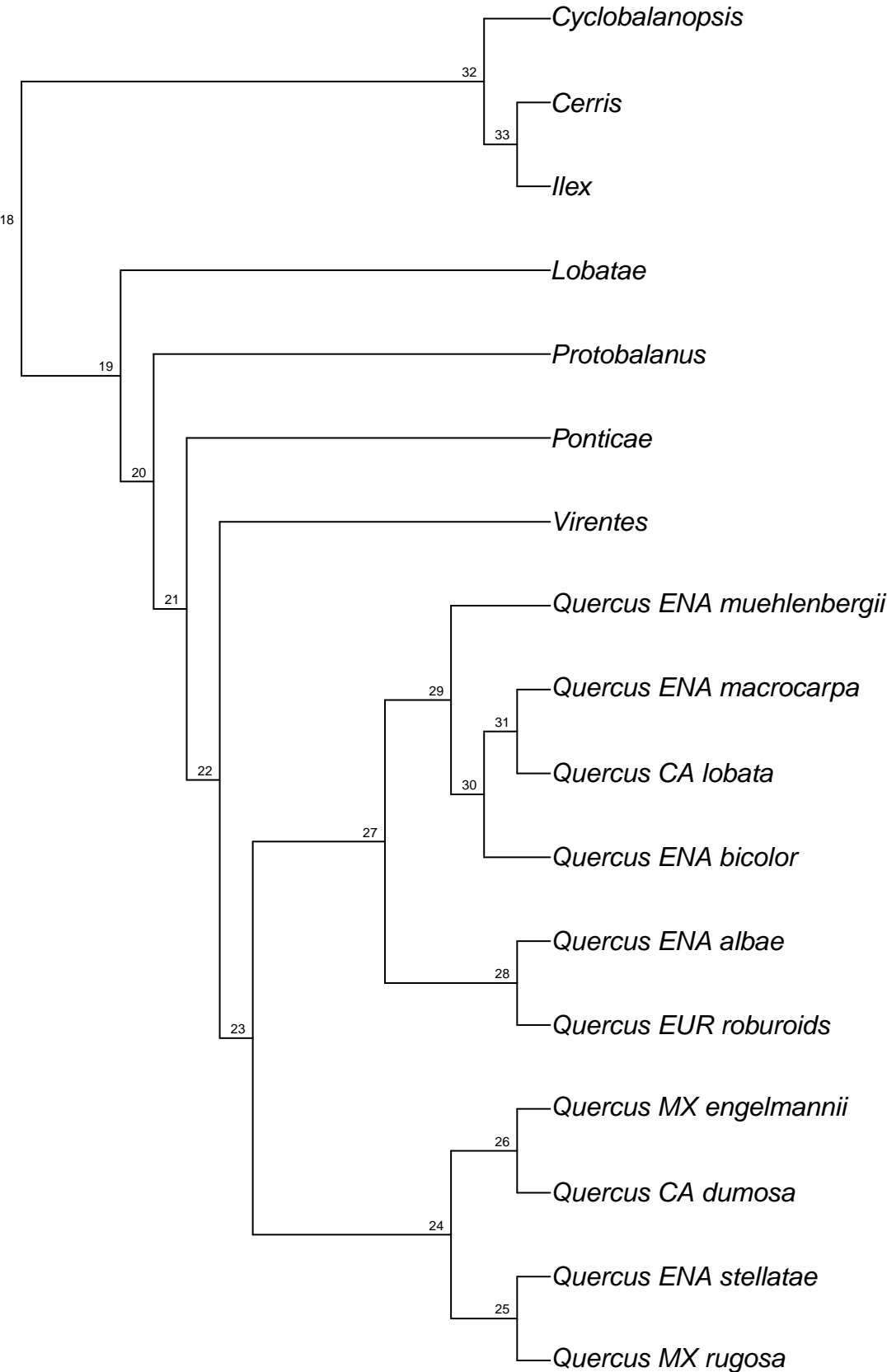


refRAD.ref\_tomentella\_raxml.bt021

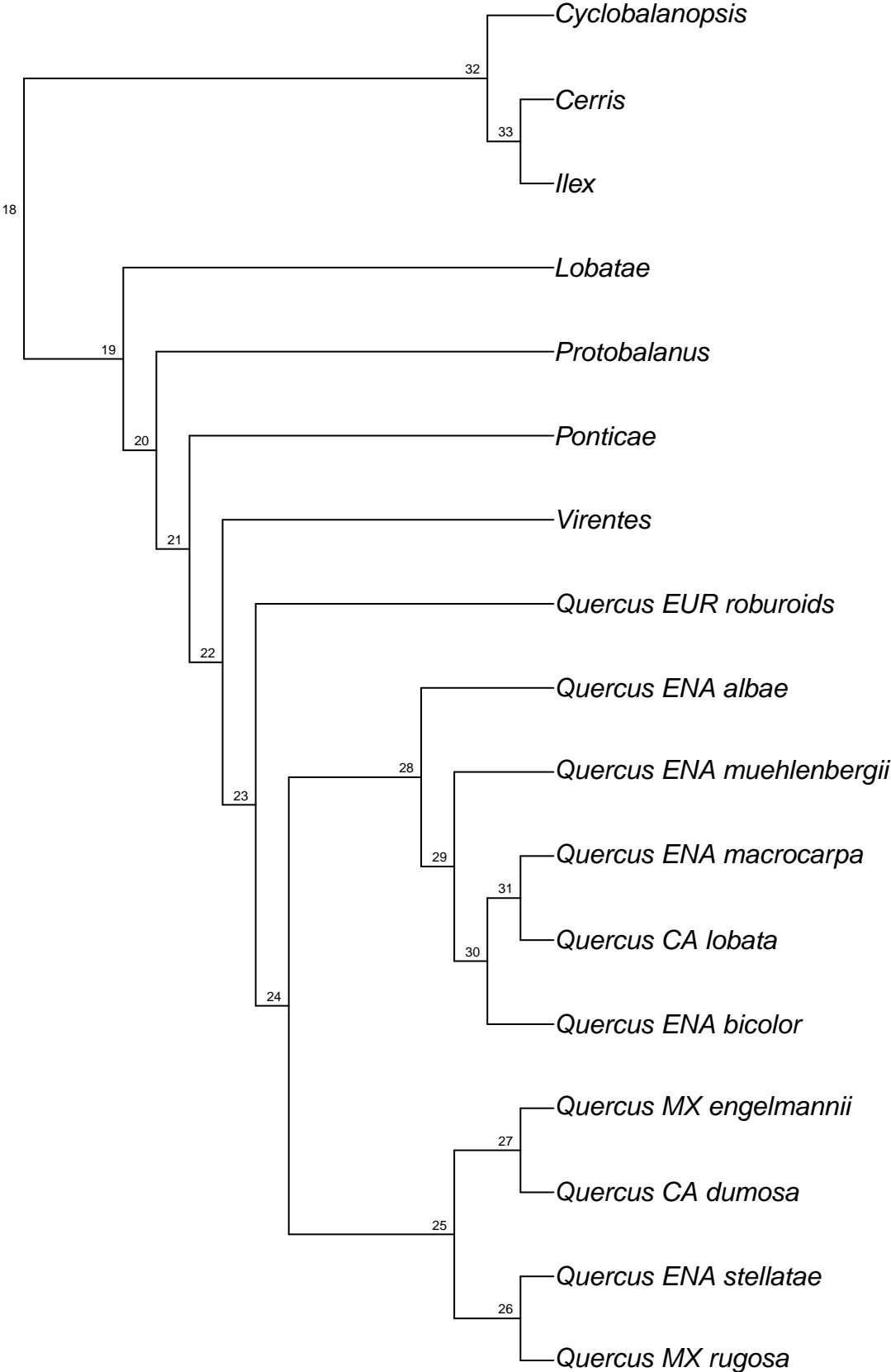




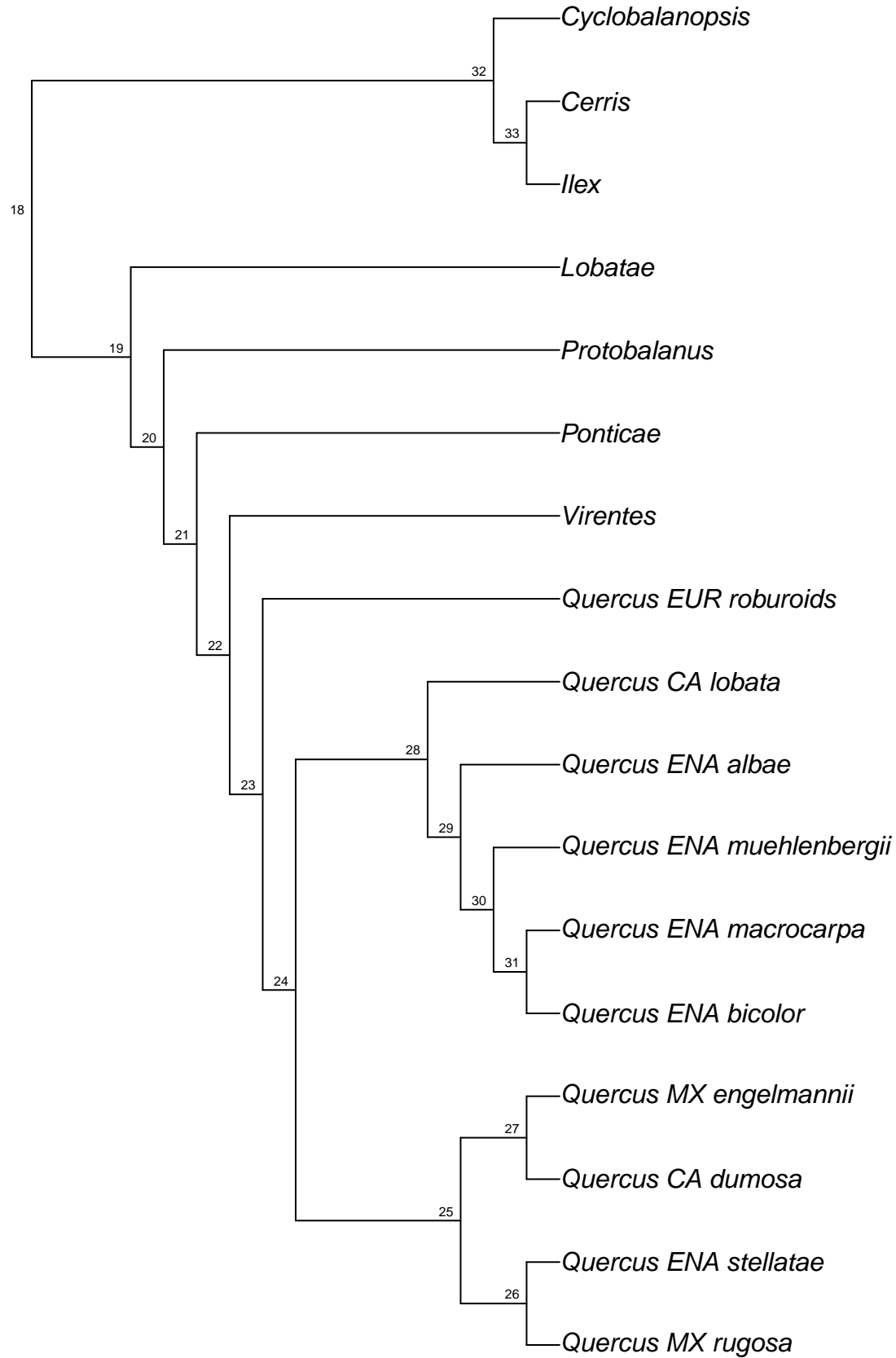
refRAD.ref\_tomentella\_raxml.bt022



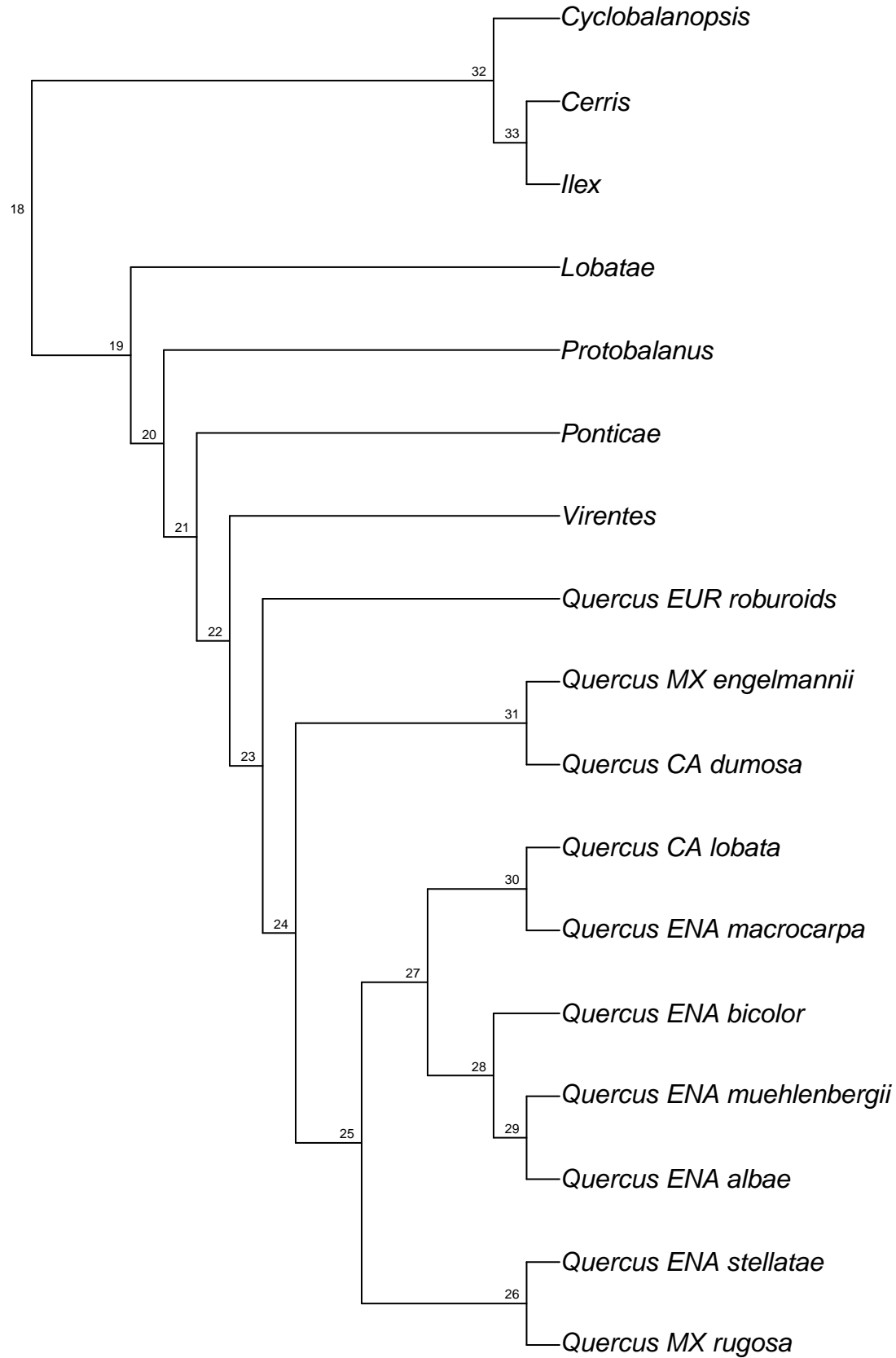
refRAD.ref\_tomentella\_raxml.bt023



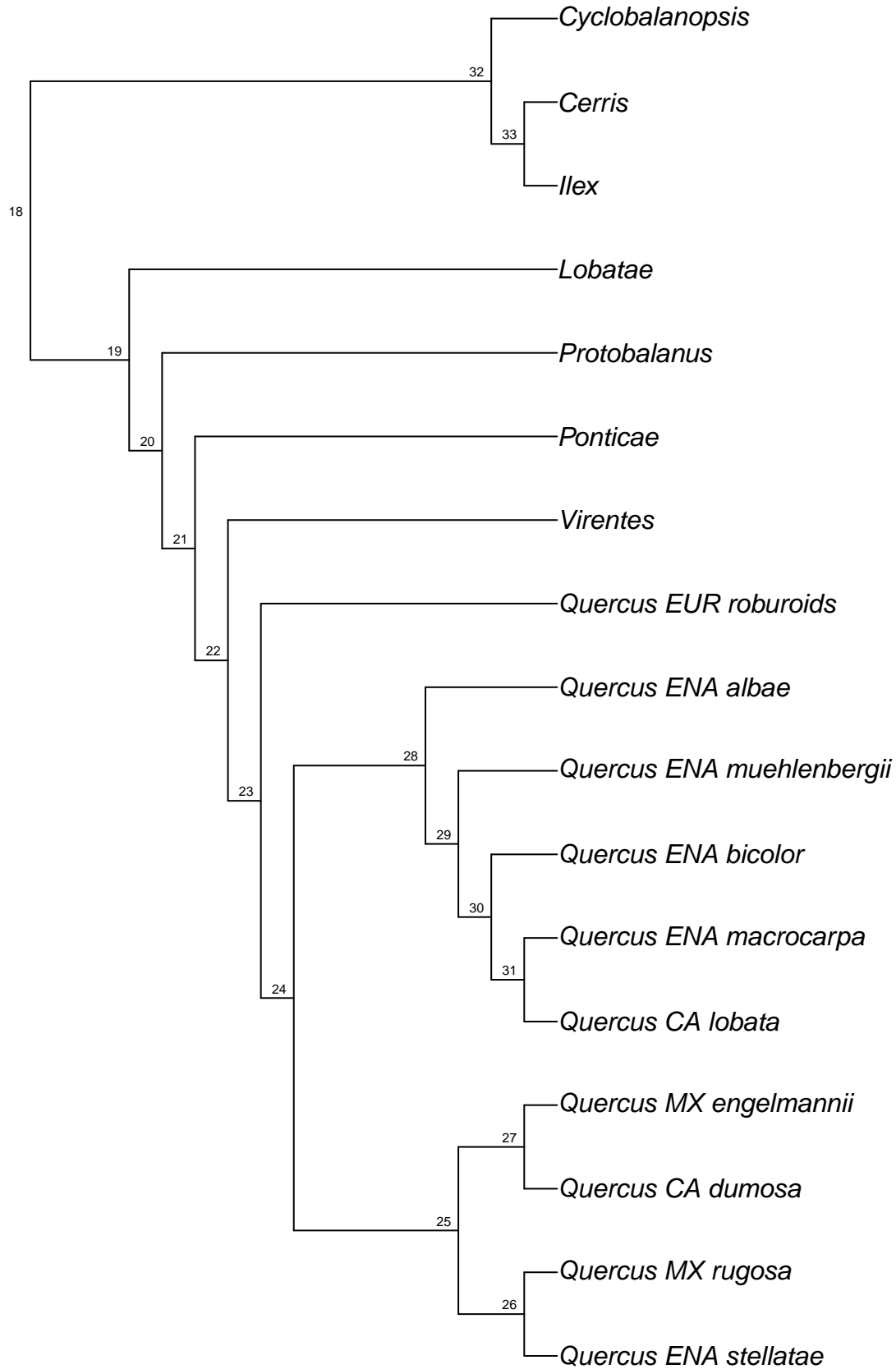
refRAD.ref\_tomentella\_raxml.bt024



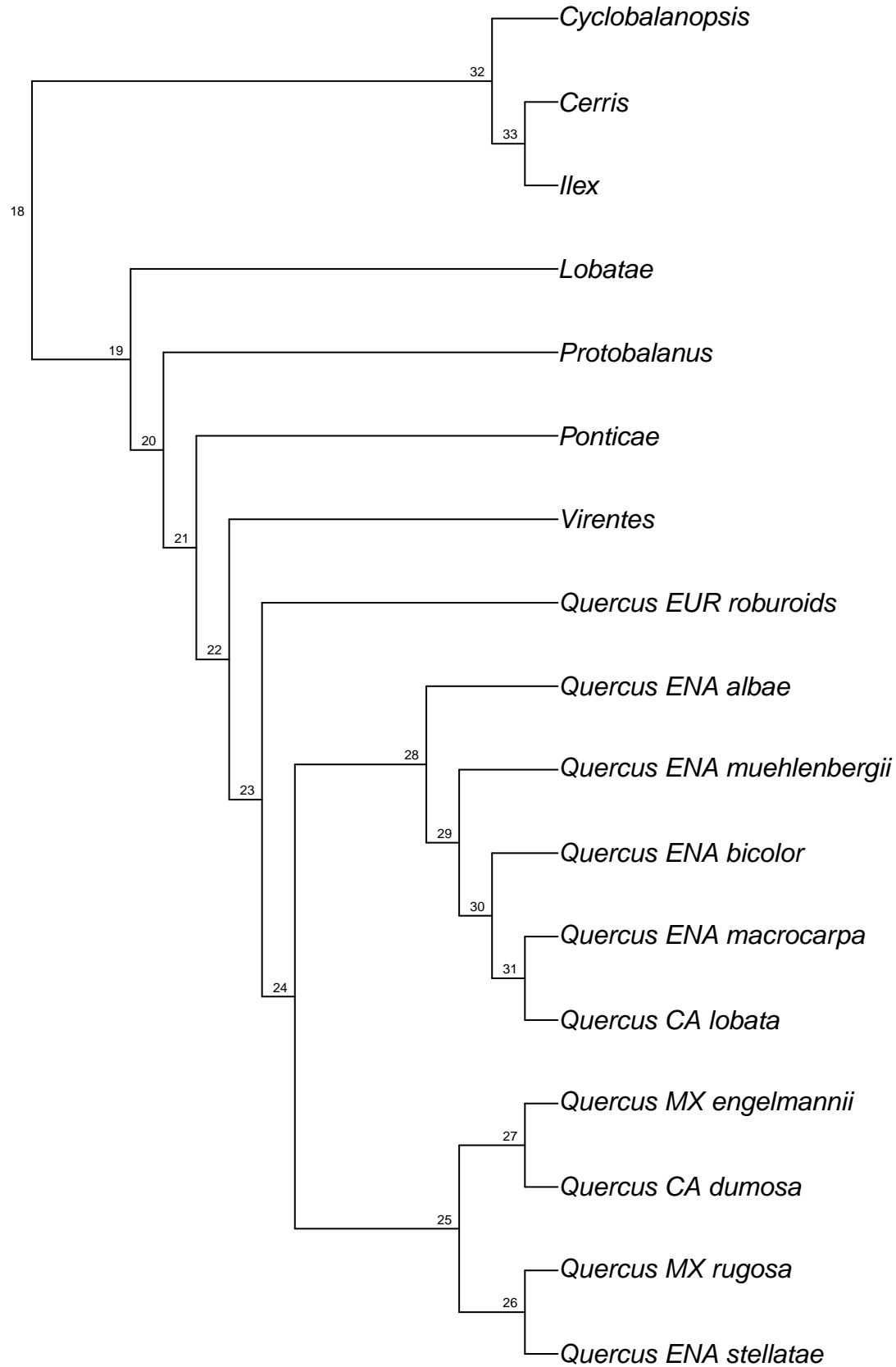
refRAD.ref\_tomentella\_raxml.bt025



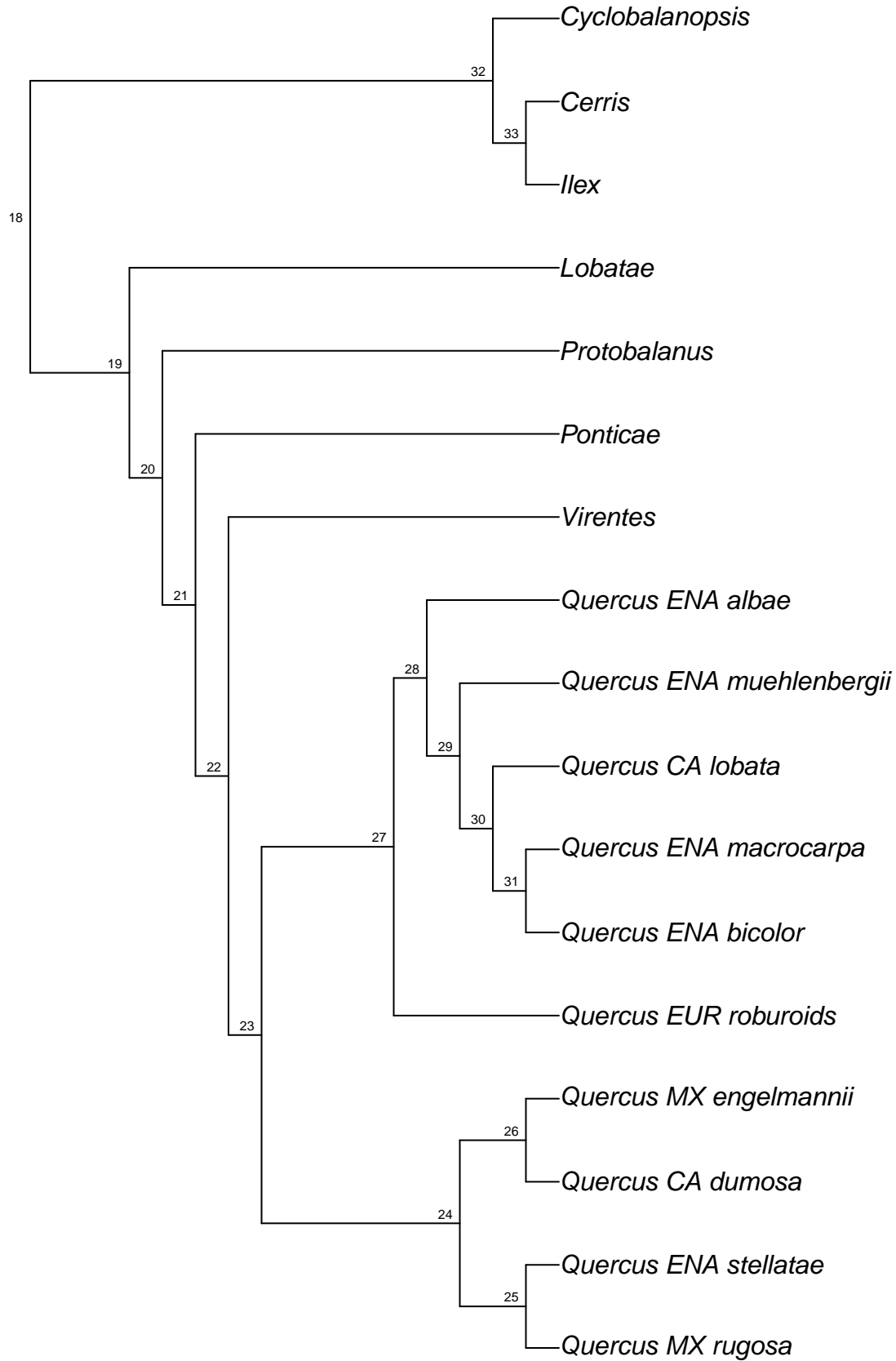
refRAD.ref\_tomentella\_raxml.bt026



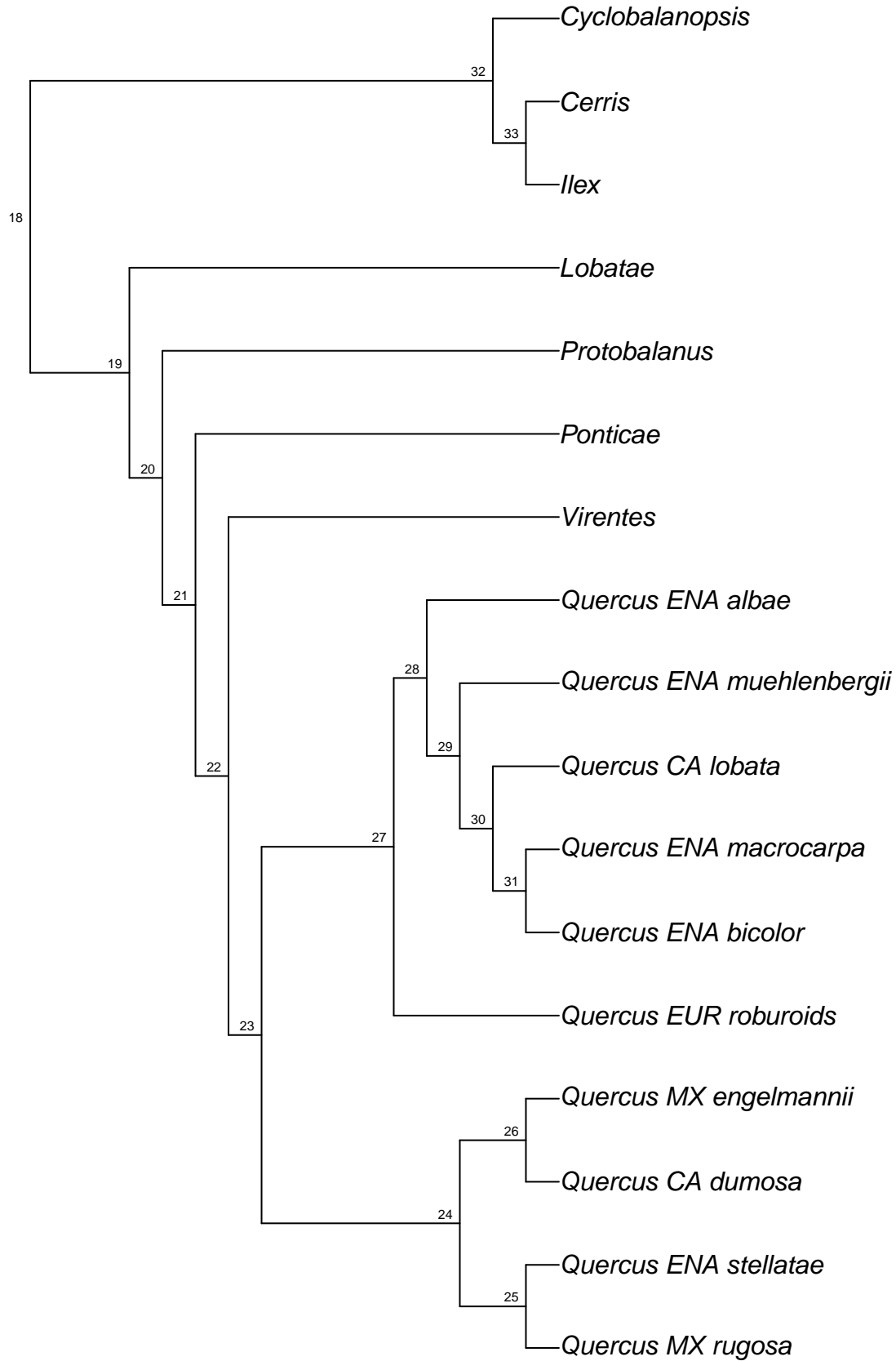
refRAD.ref\_tomentella\_raxml.bt027



refRAD.ref\_tomentella\_raxml.bt028

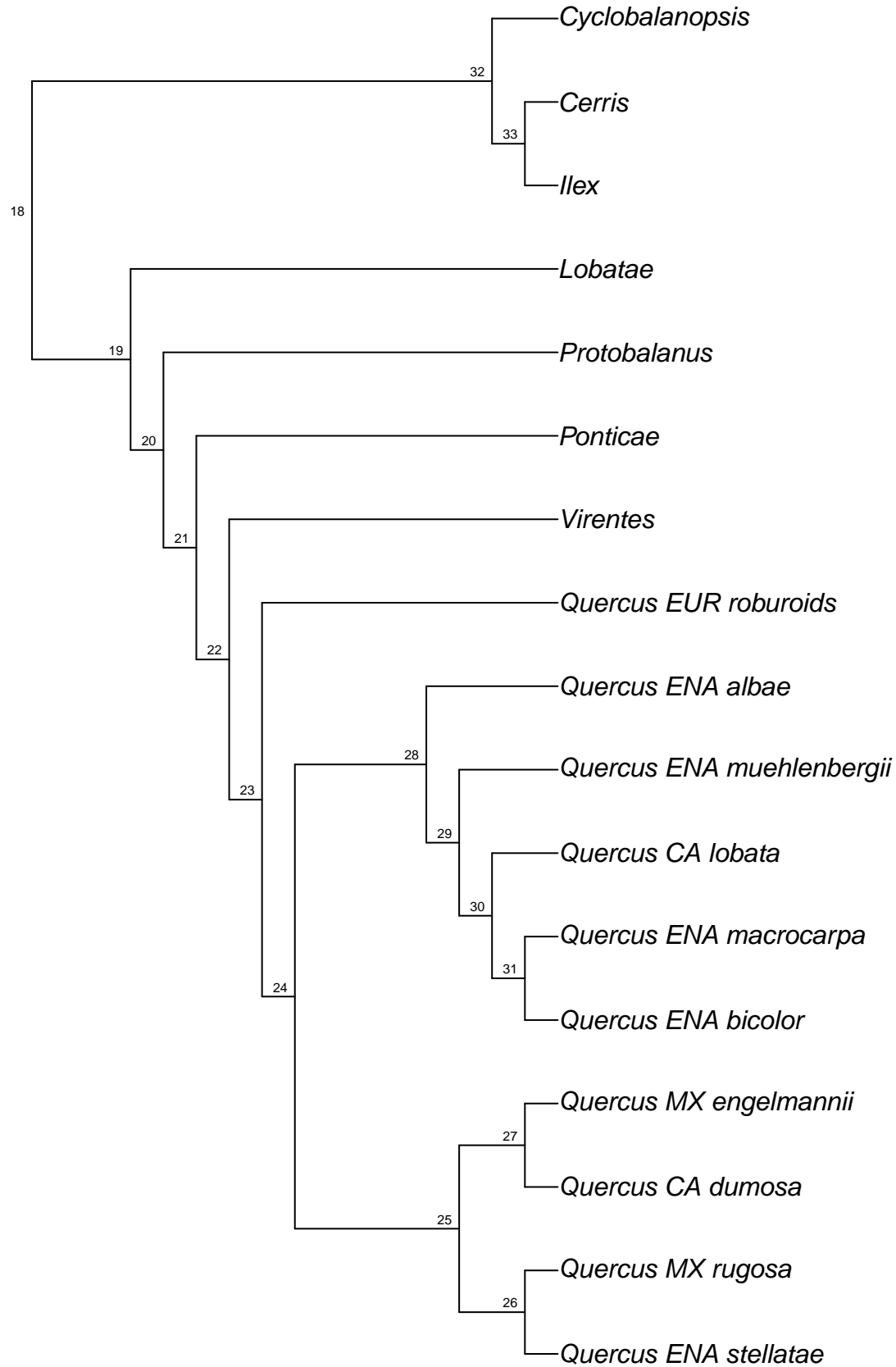


refRAD.ref\_tomentella\_raxml.bt029

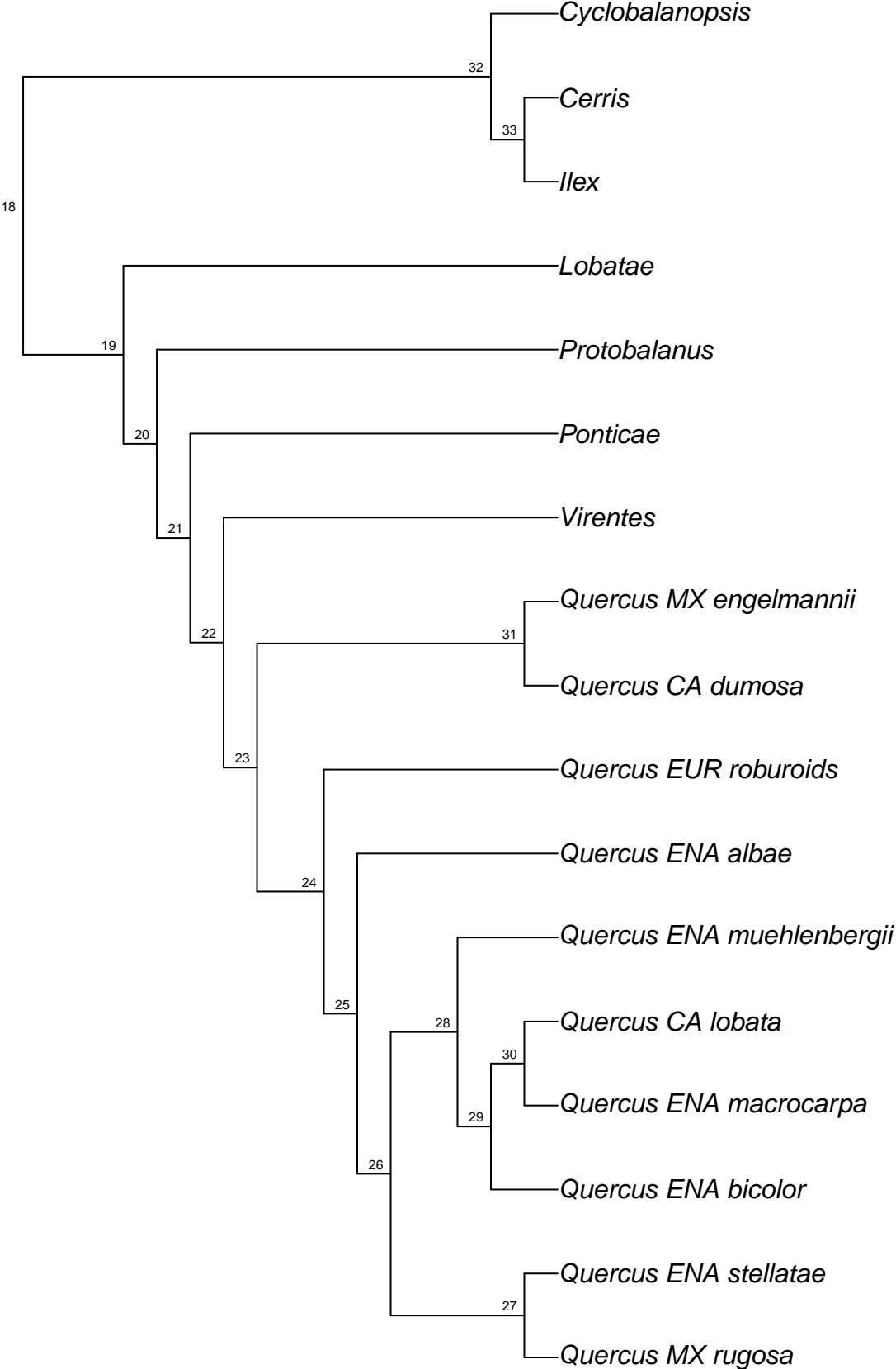




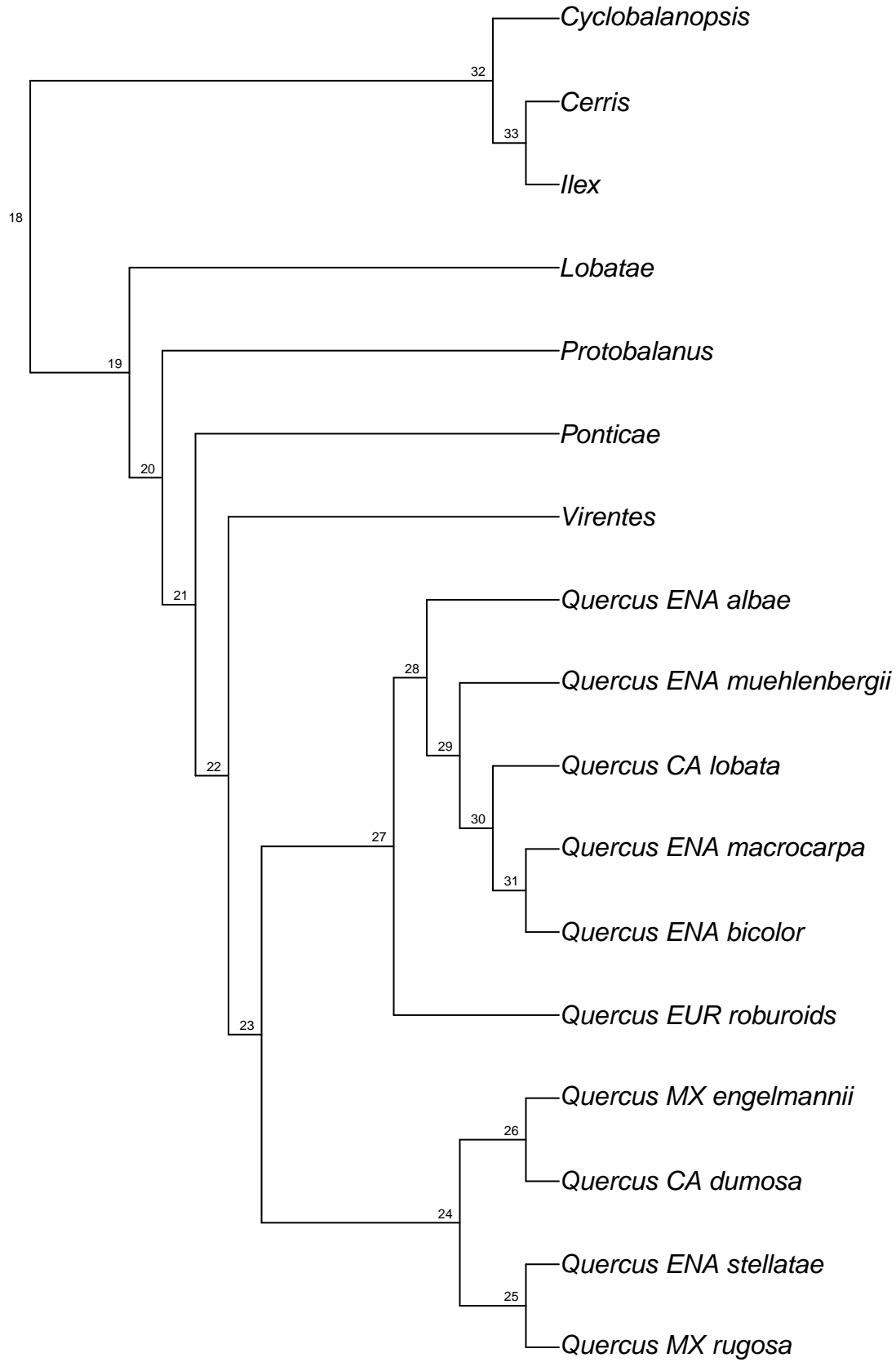
refRAD.ref\_tomentella\_raxml.bt030



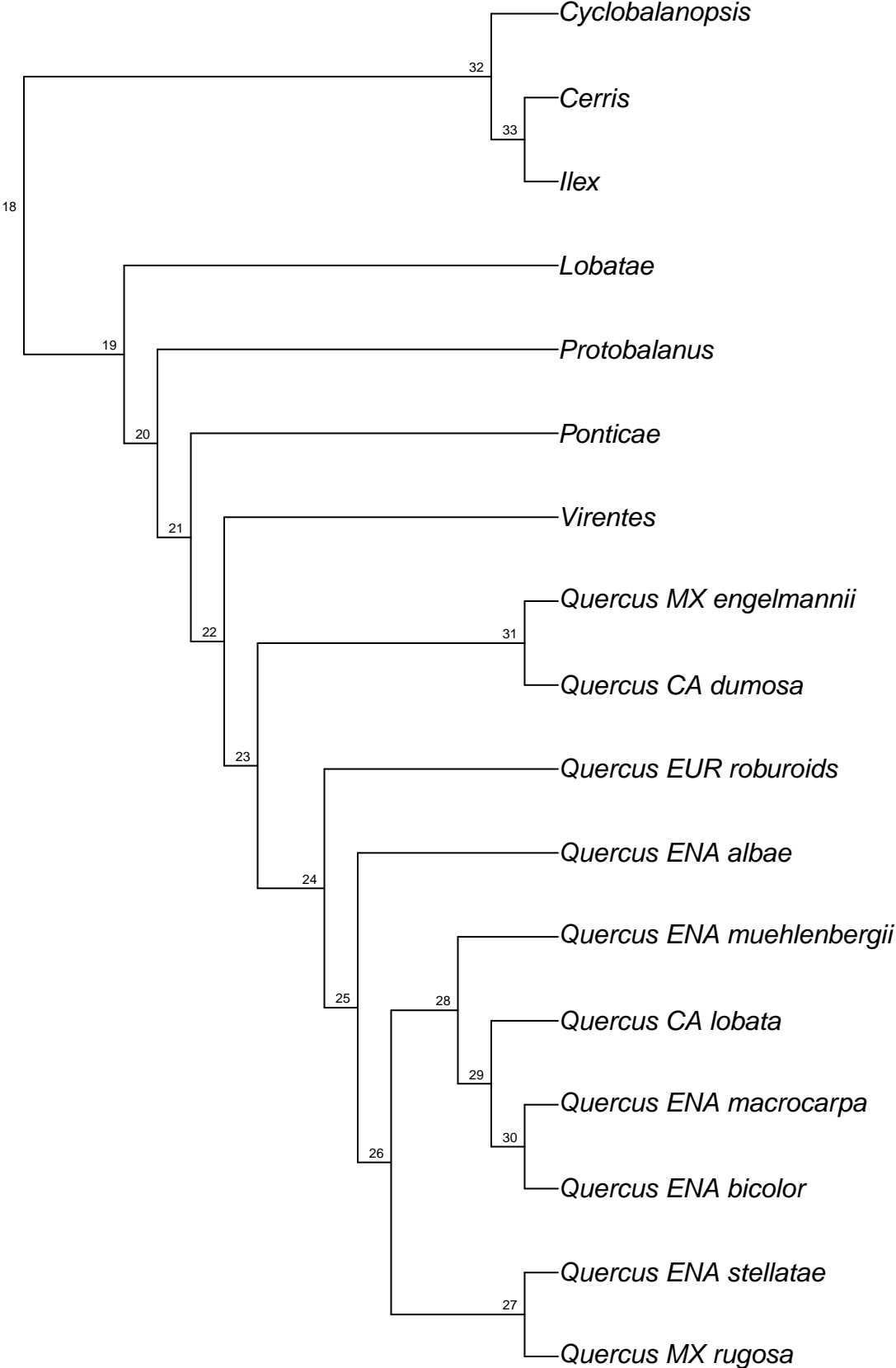
refRAD.ref\_tomentella\_raxml.bt031



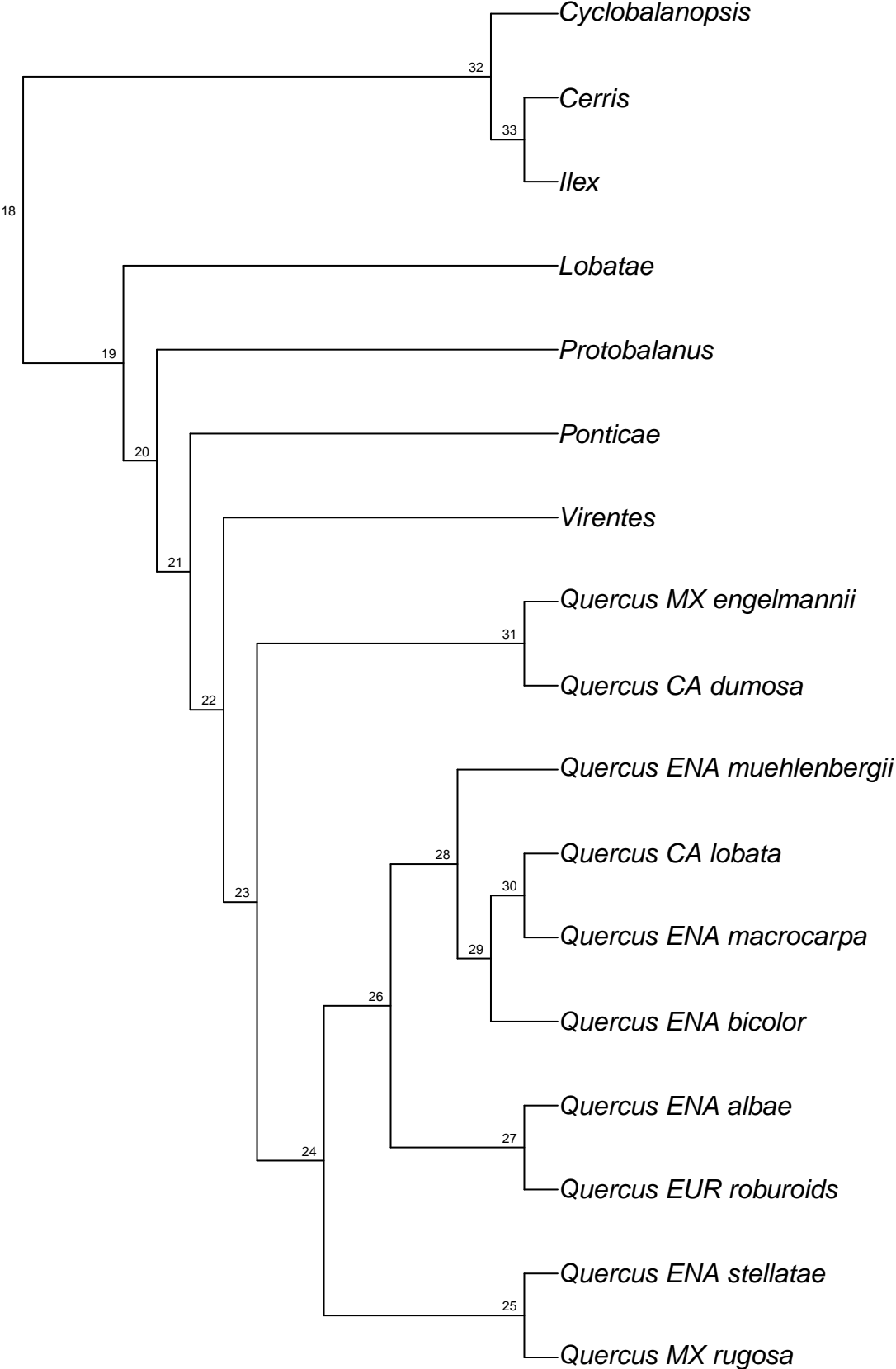
refRAD.ref\_tomentella\_raxml.bt032



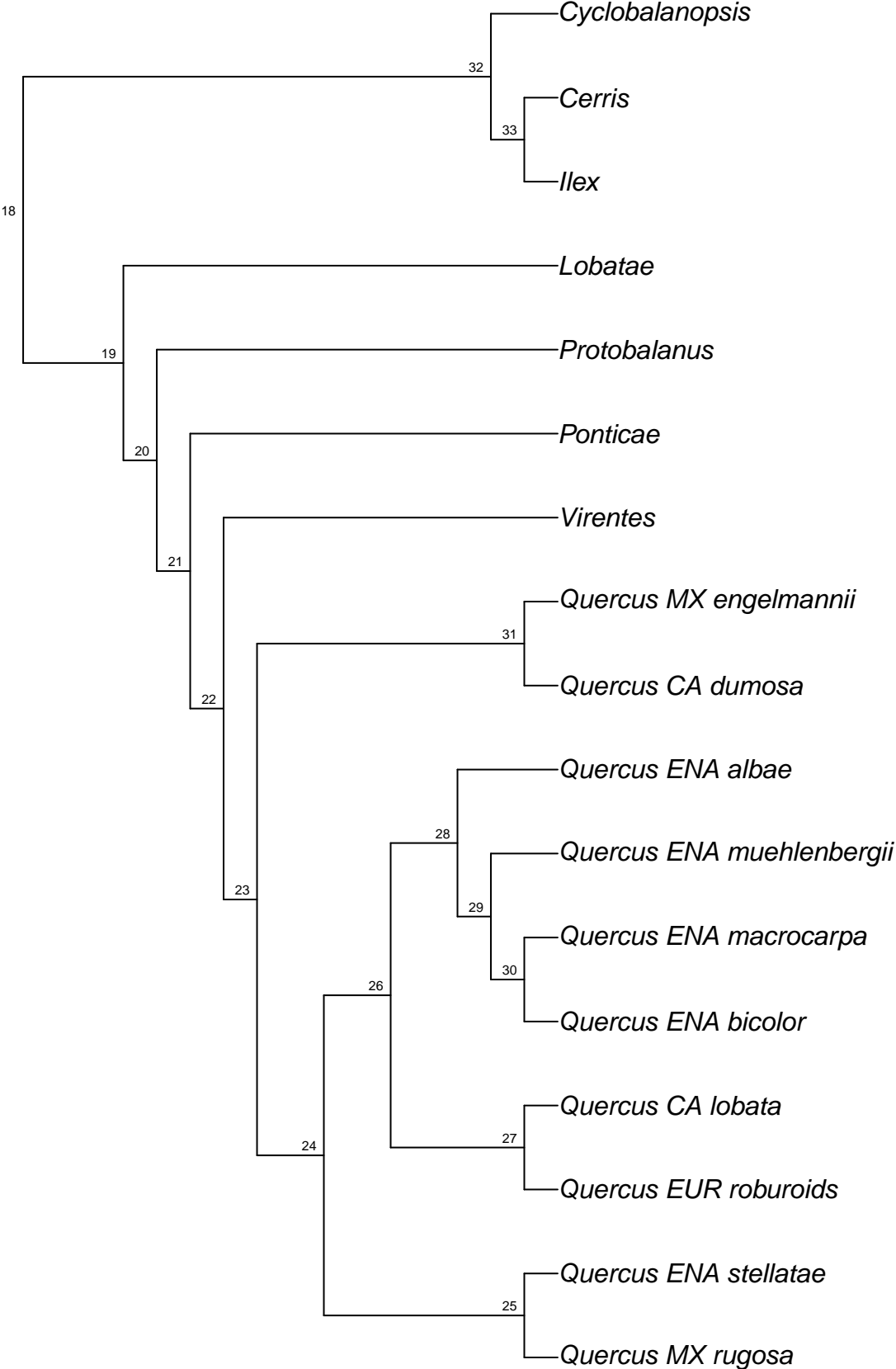
refRAD.ref\_tomentella\_raxml.bt033



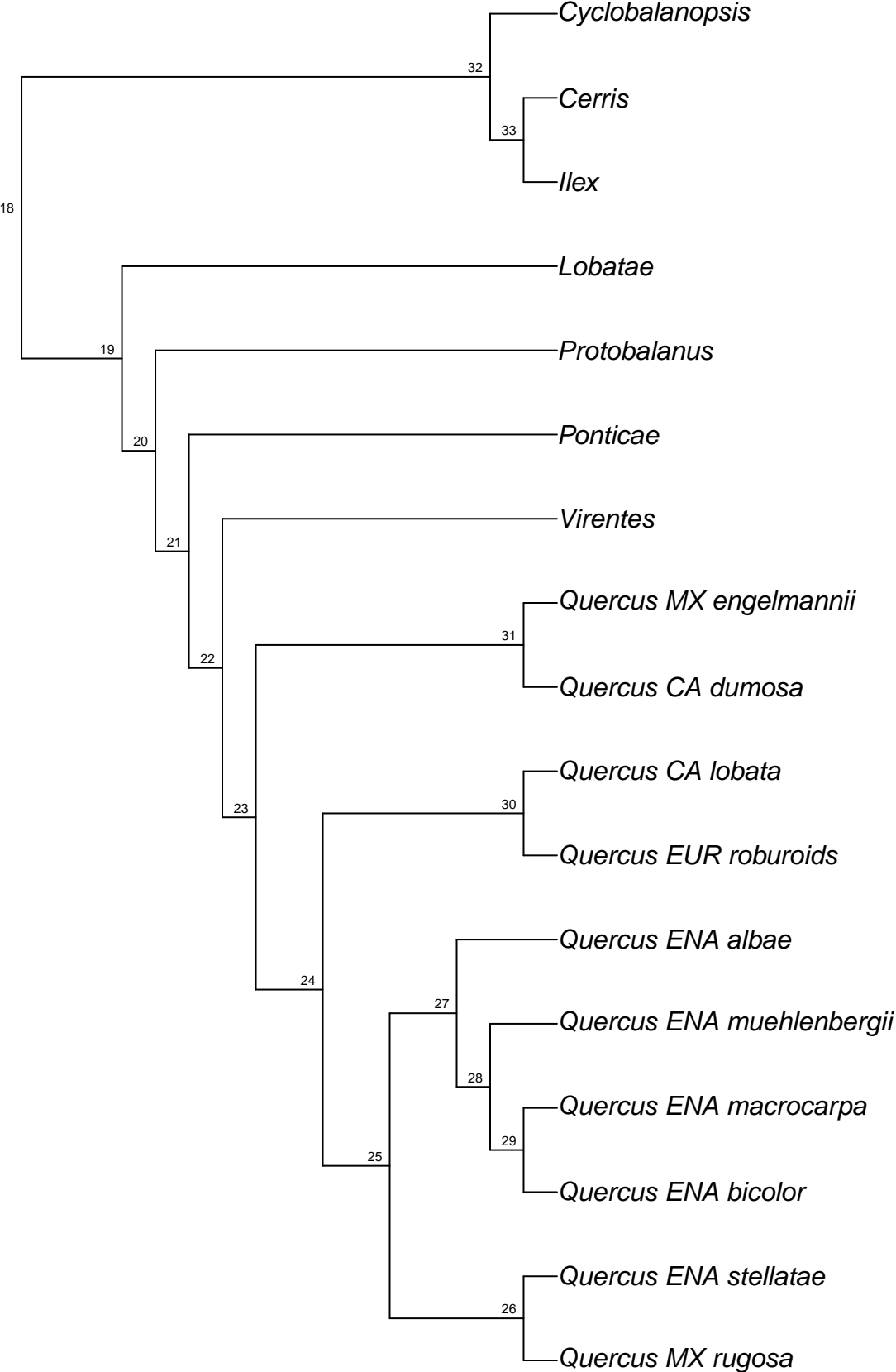
refRAD.ref\_tomentella\_raxml.bt034



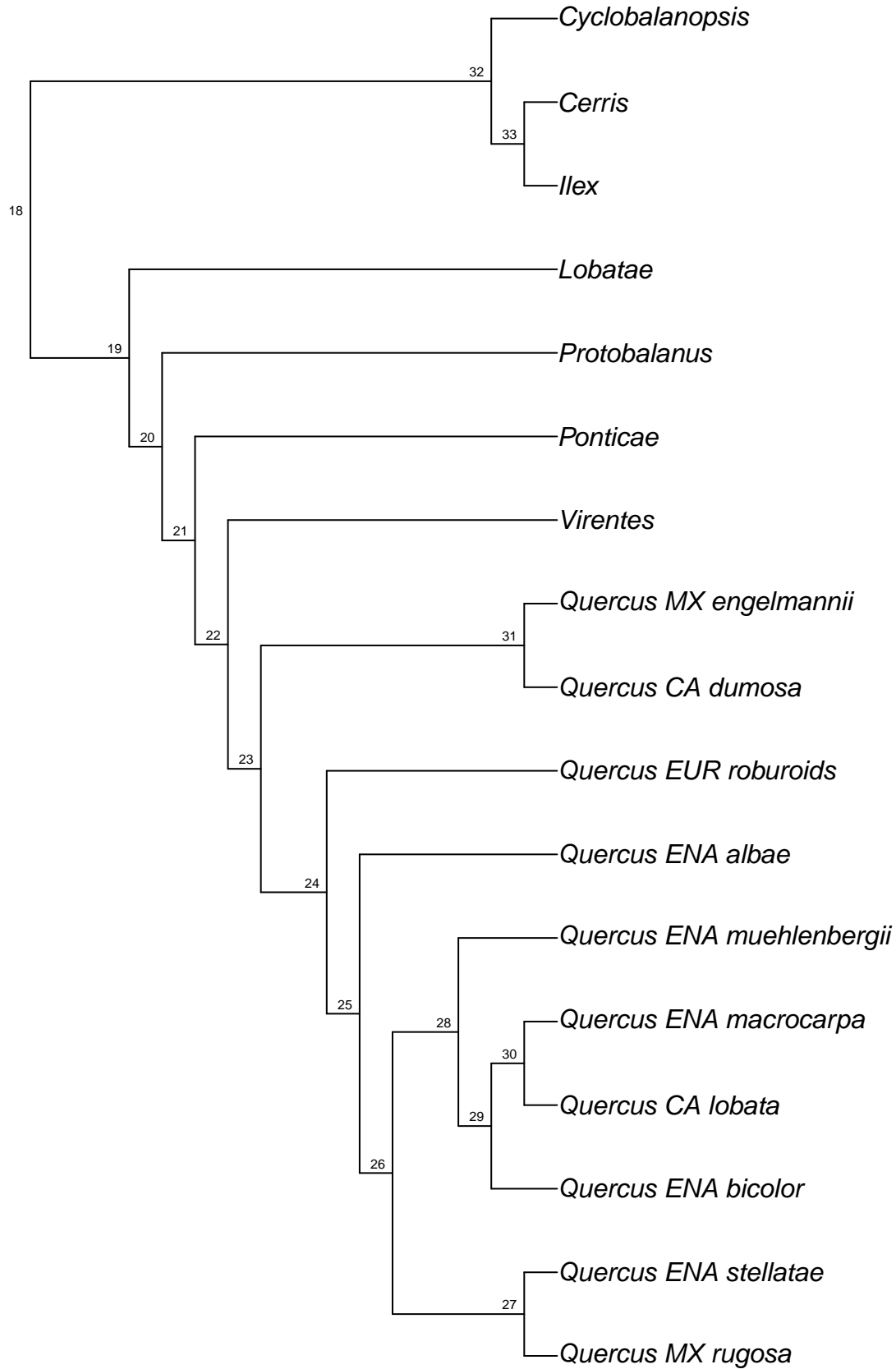
refRAD.ref\_tomentella\_raxml.bt035



refRAD.ref\_tomentella\_raxml.bt036

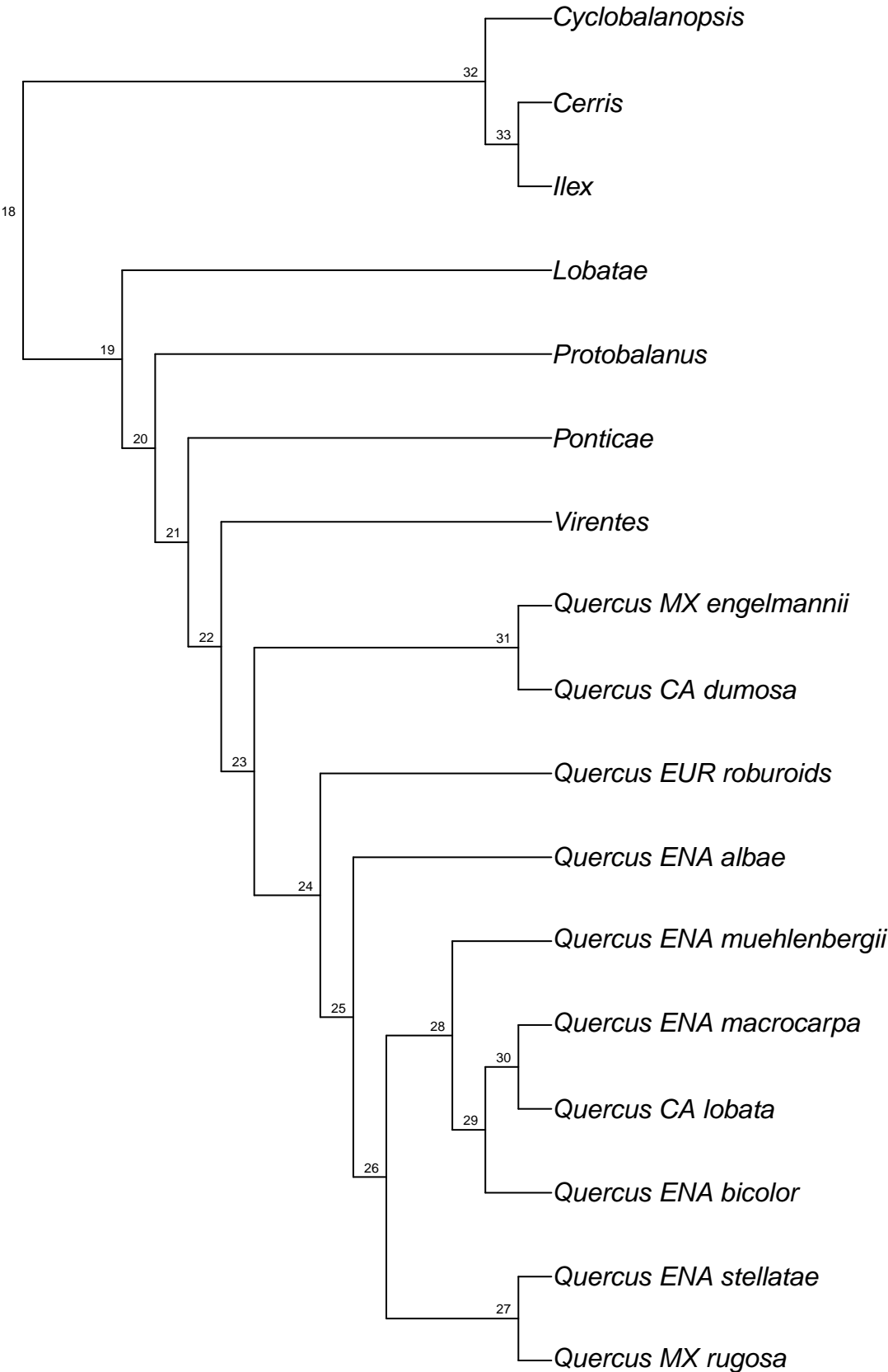


refRAD.ref\_tomentella\_raxml.bt037

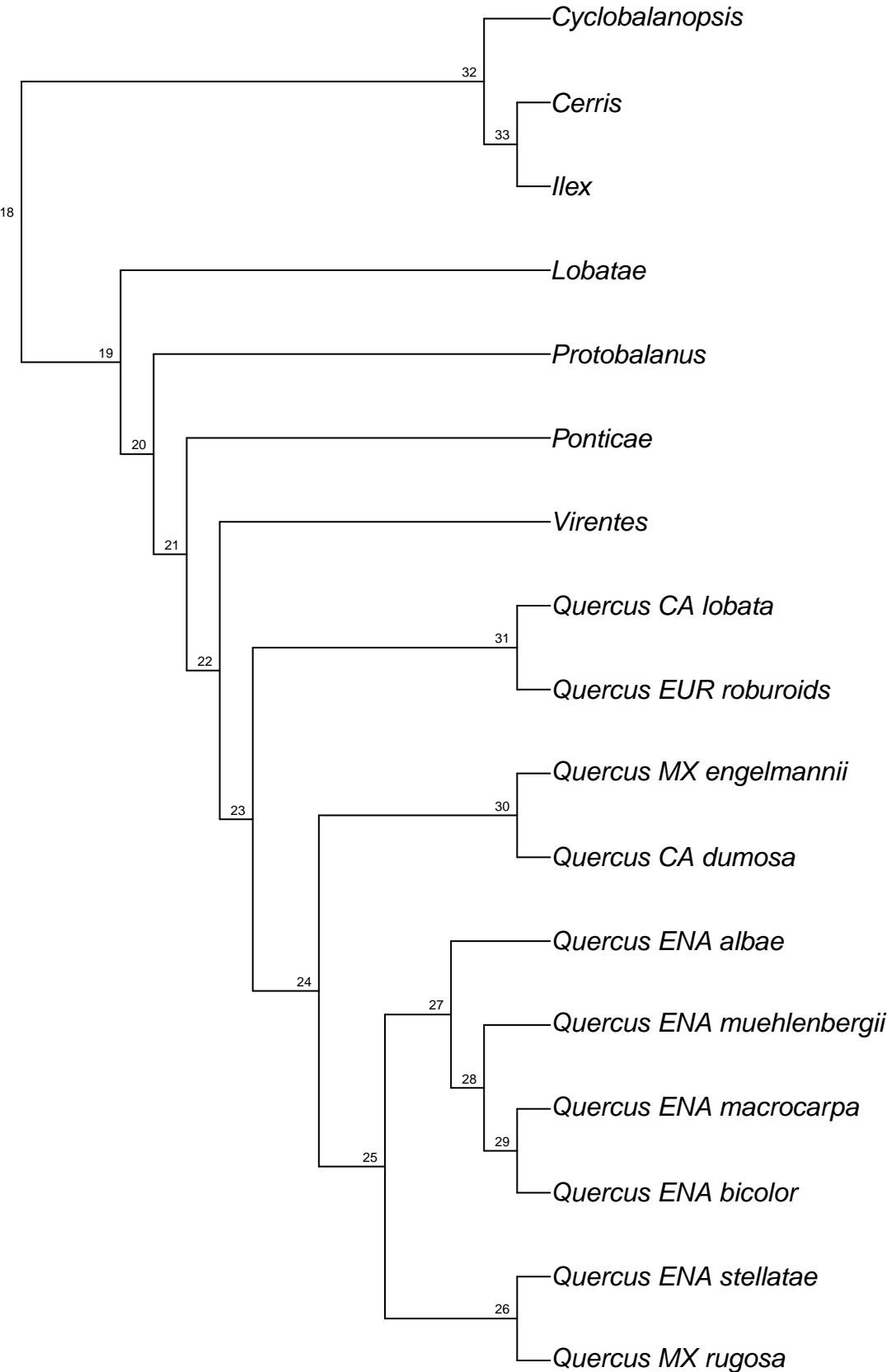




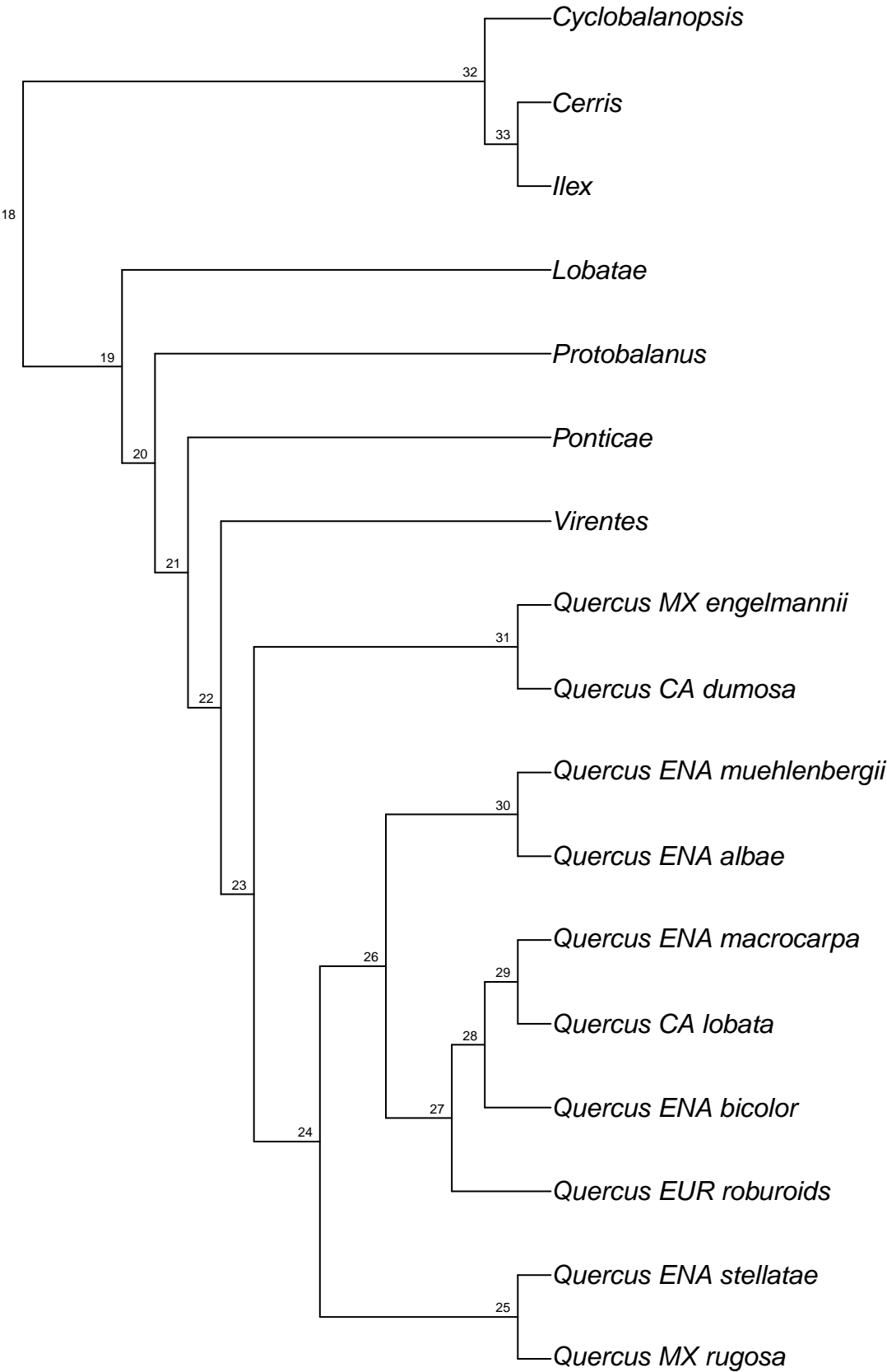
refRAD.ref\_tomentella\_raxml.bt038



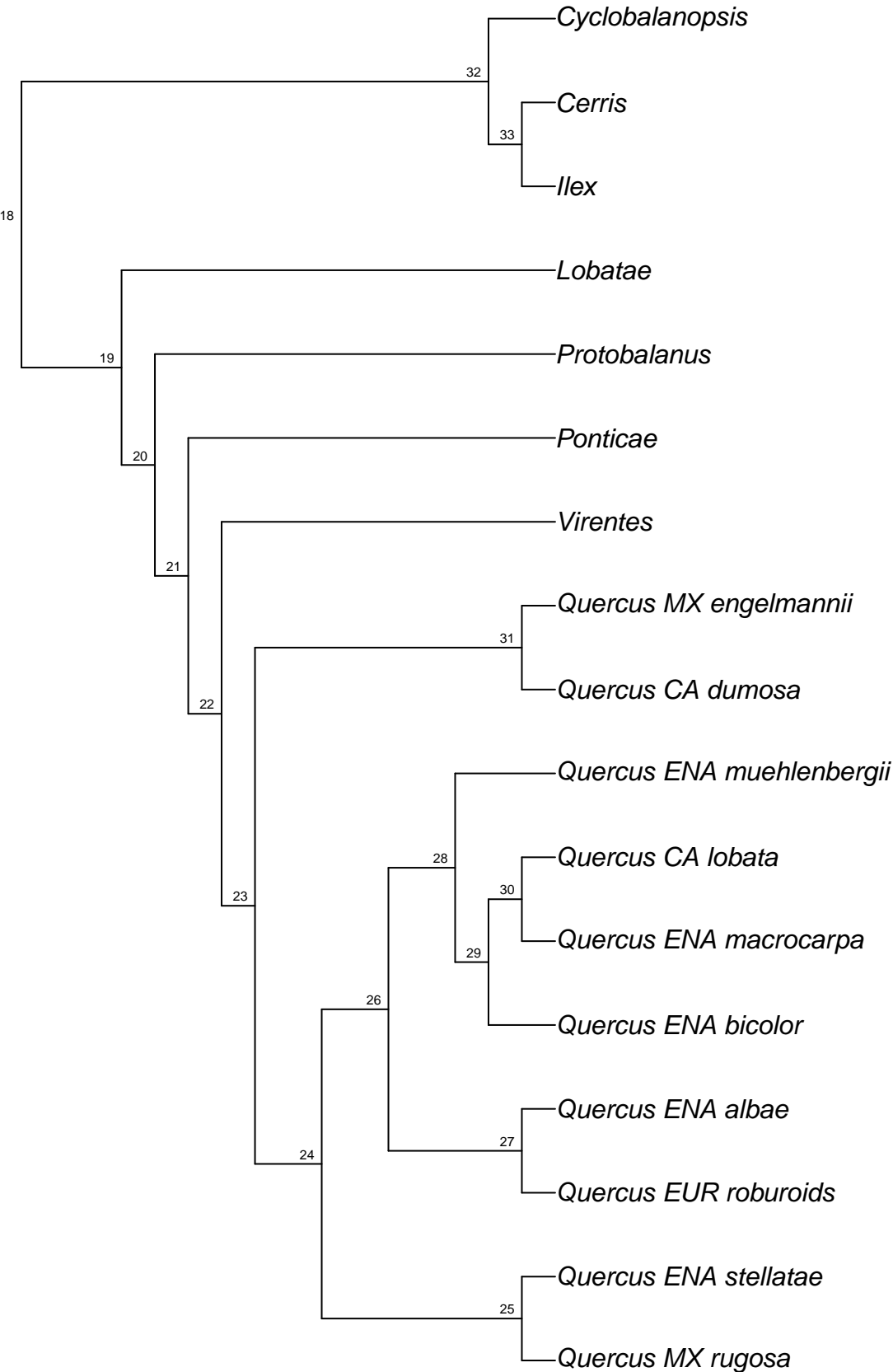
refRAD.ref\_tomentella\_raxml.bt039



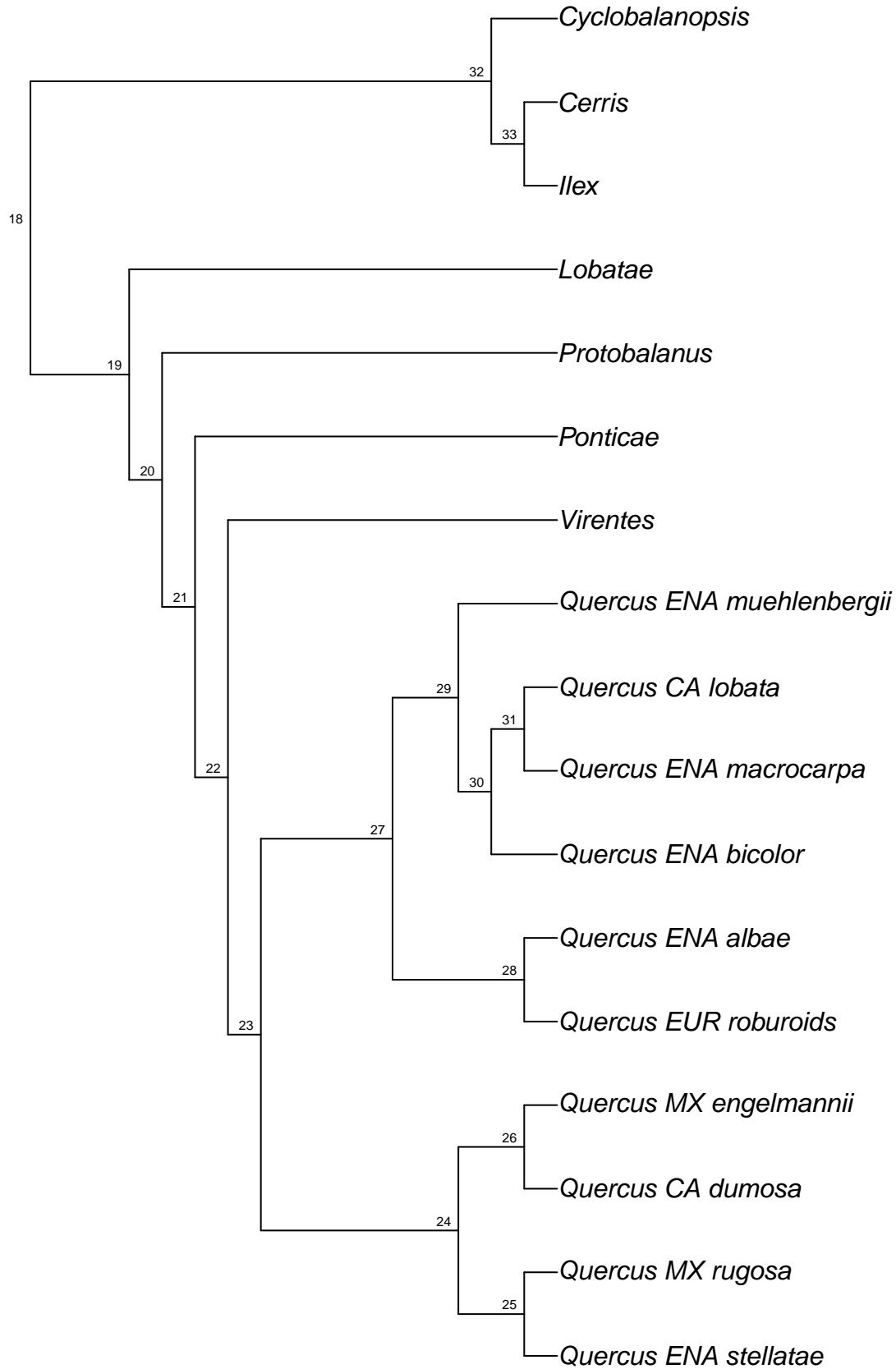
refRAD.ref\_tomentella\_raxml.bt040



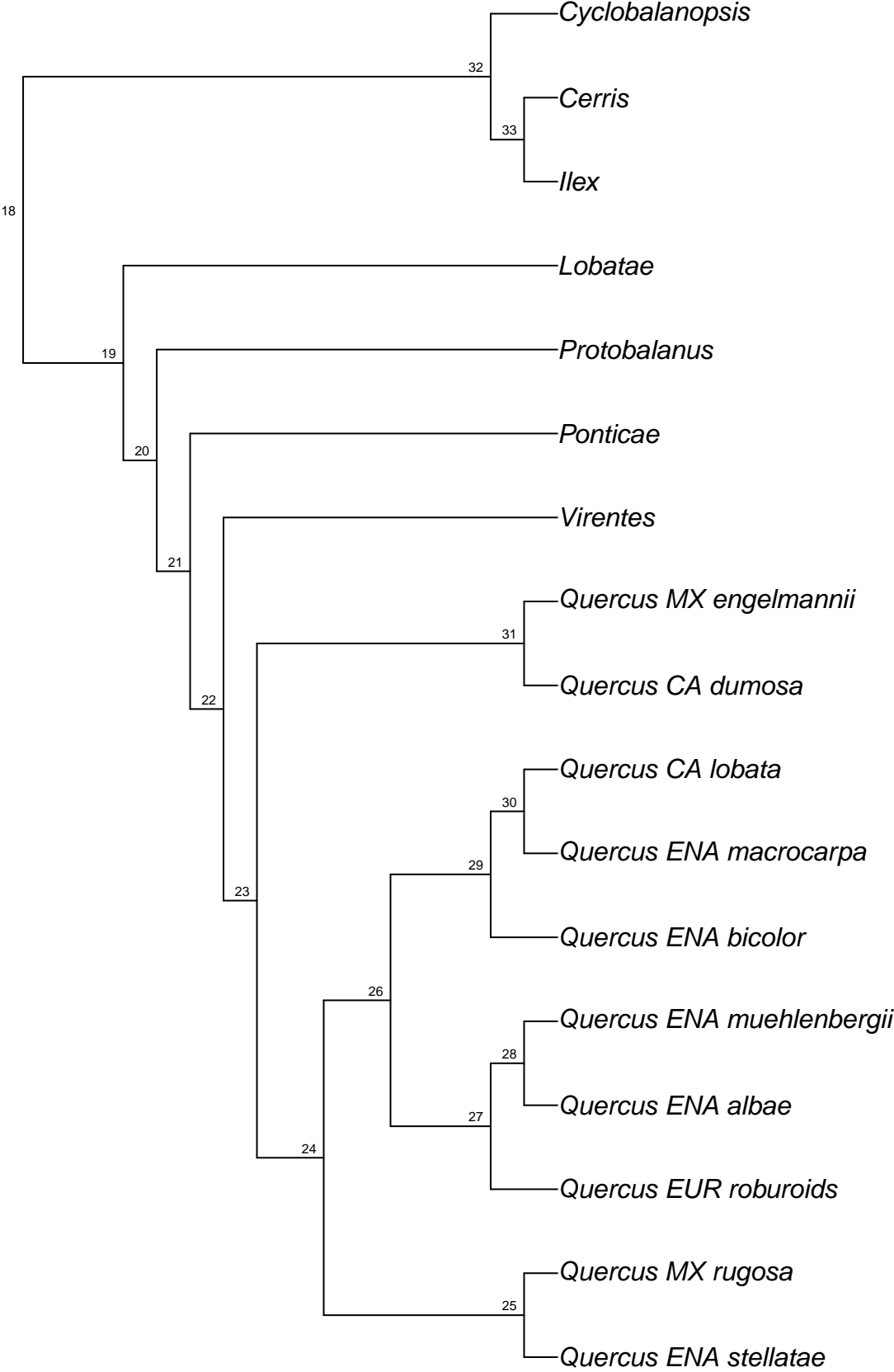
refRAD.ref\_tomentella\_raxml.bt041



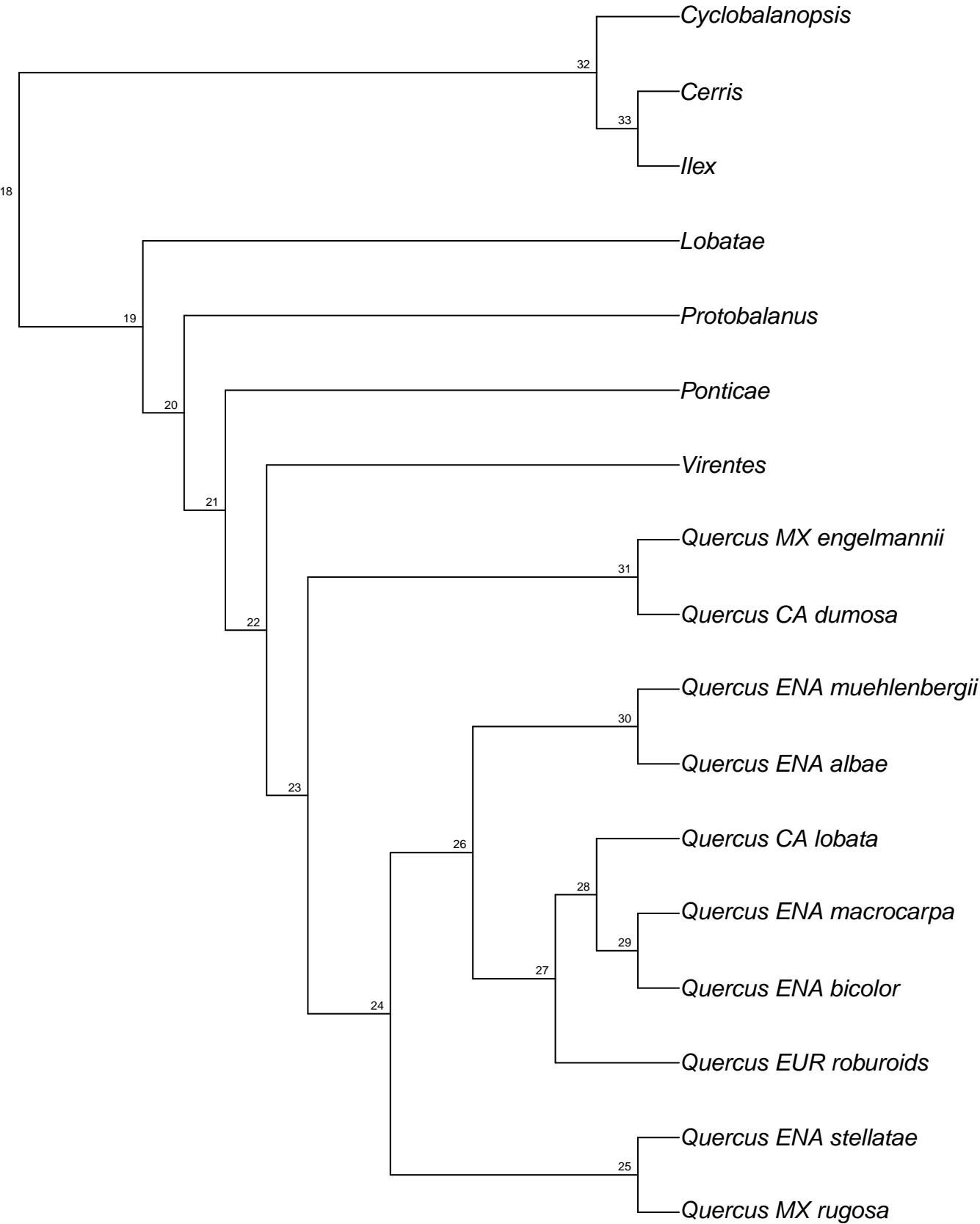
refRAD.ref\_tomentella\_raxml.bt042



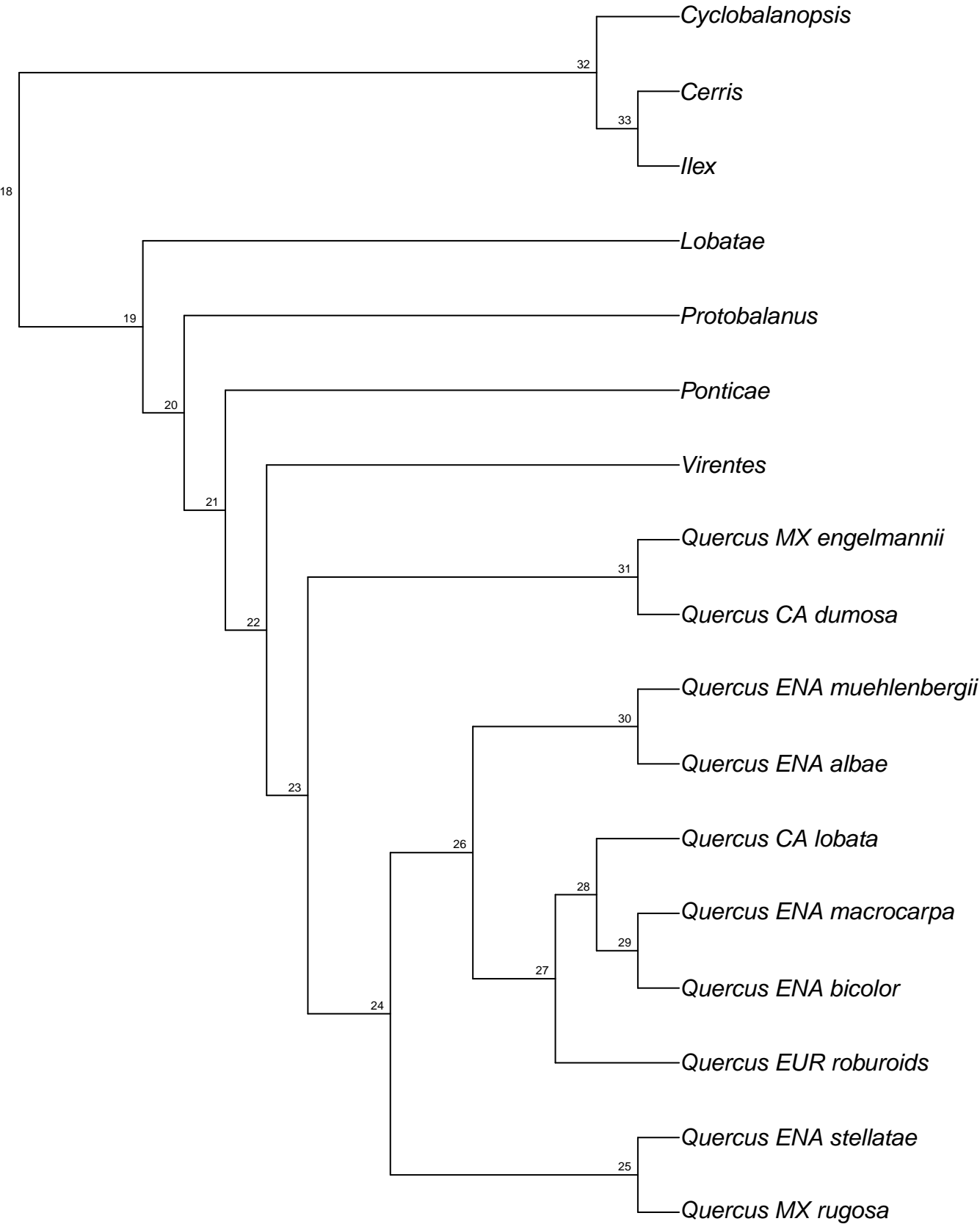
refRAD.ref\_tomentella\_raxml.bt043



refRAD.ref\_tomentella\_raxml.bt044

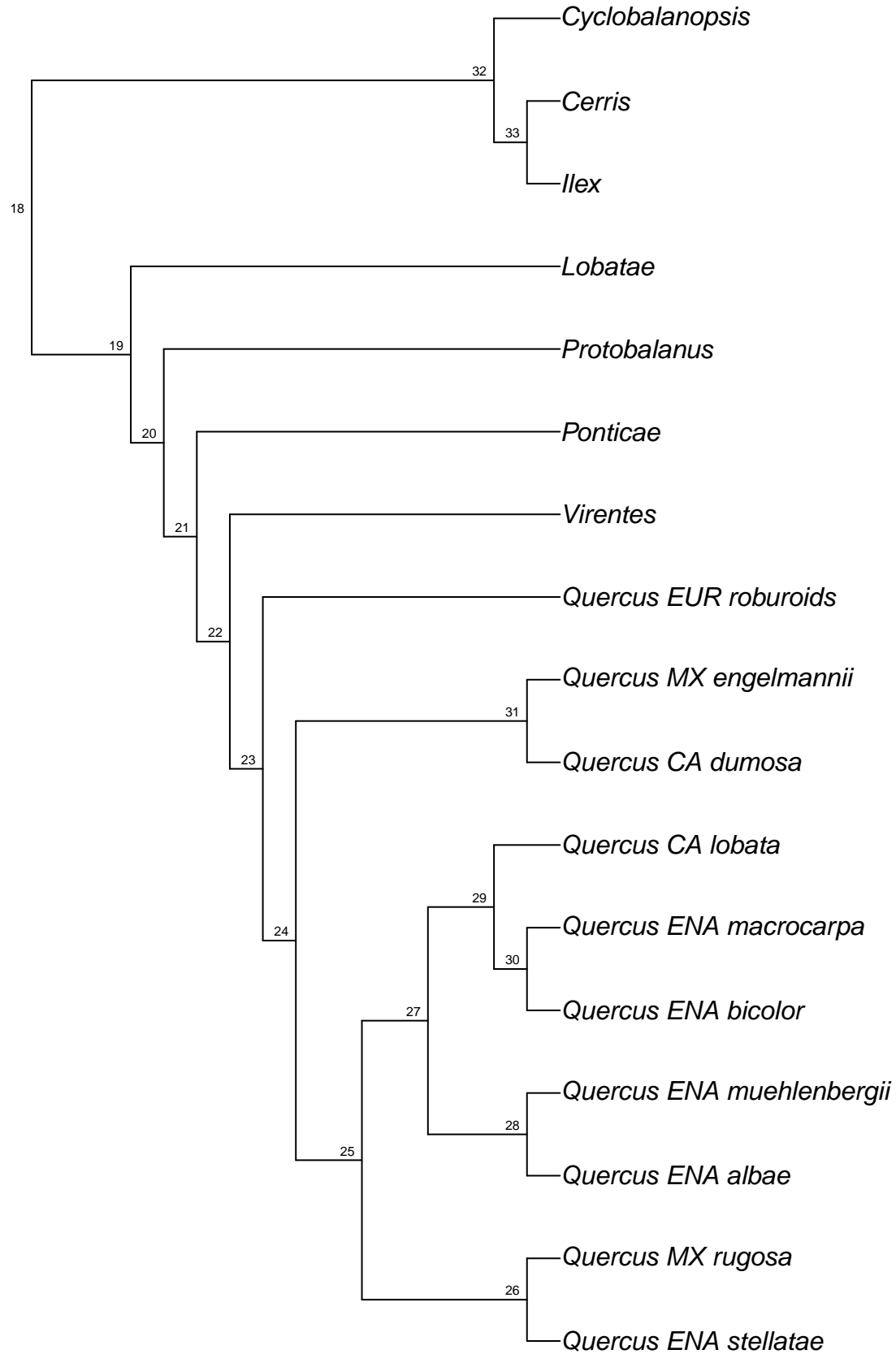


refRAD.ref\_tomentella\_raxml.bt045

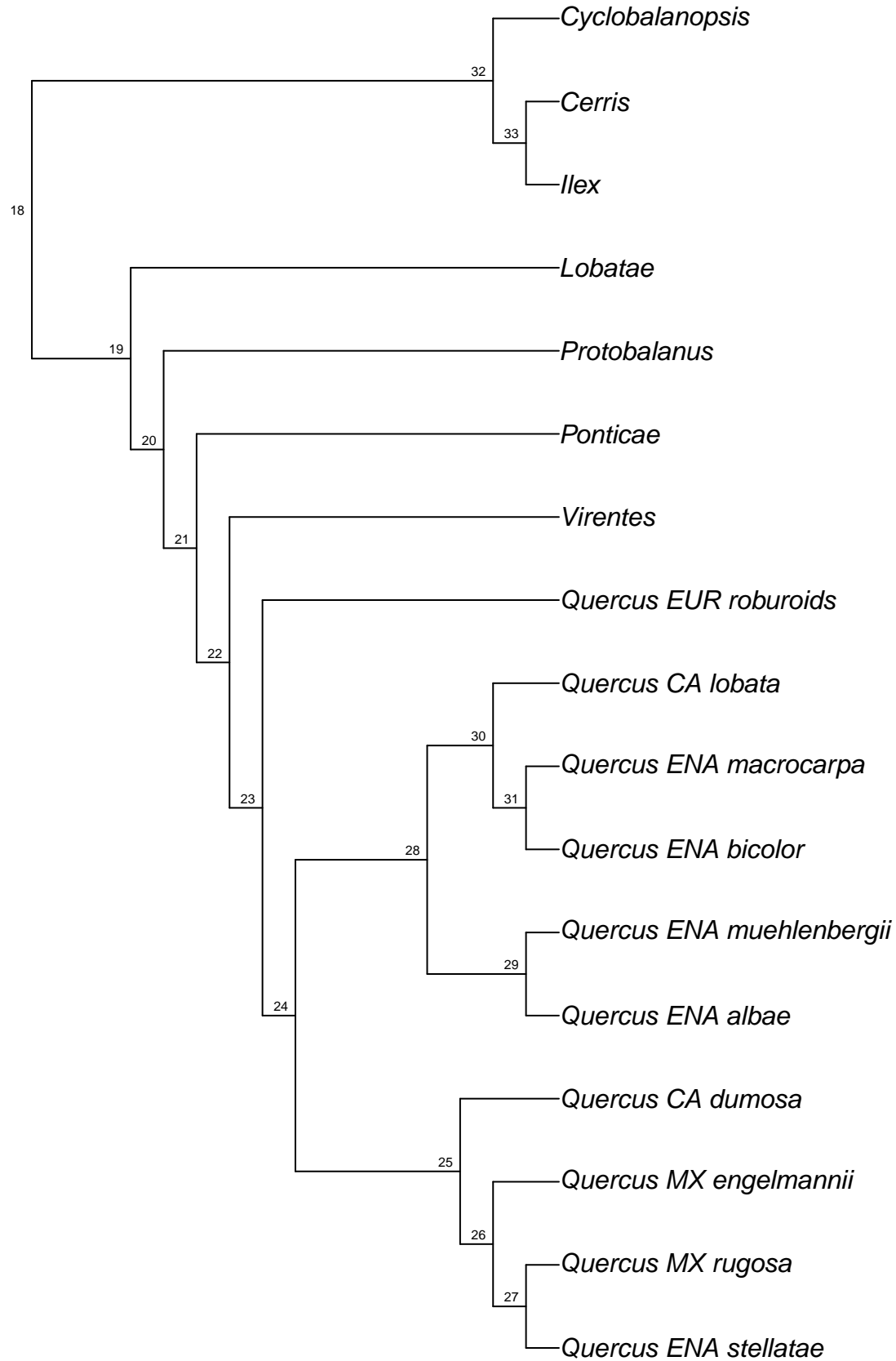




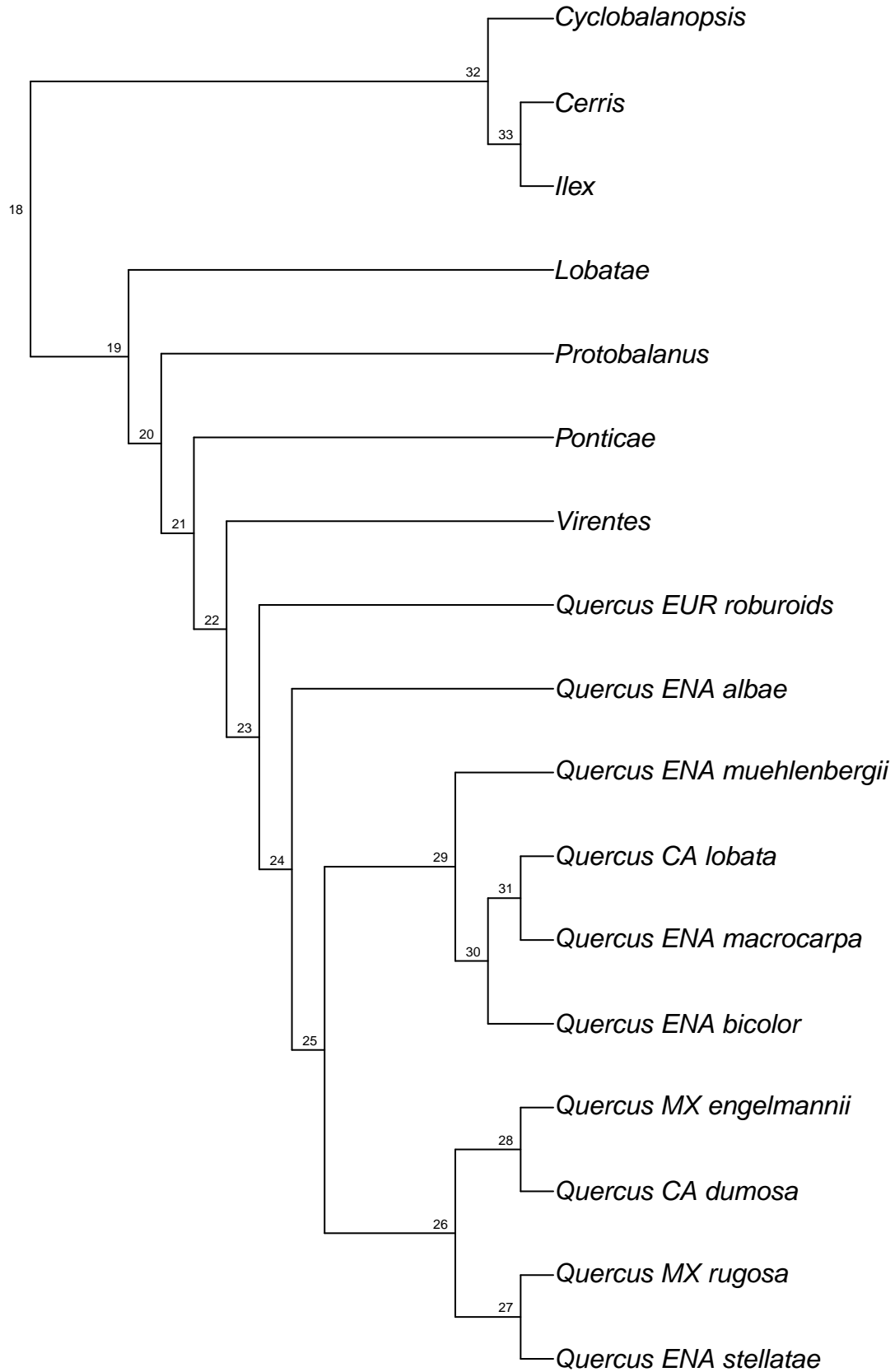
refRAD.ref\_tomentella\_raxml.bt046



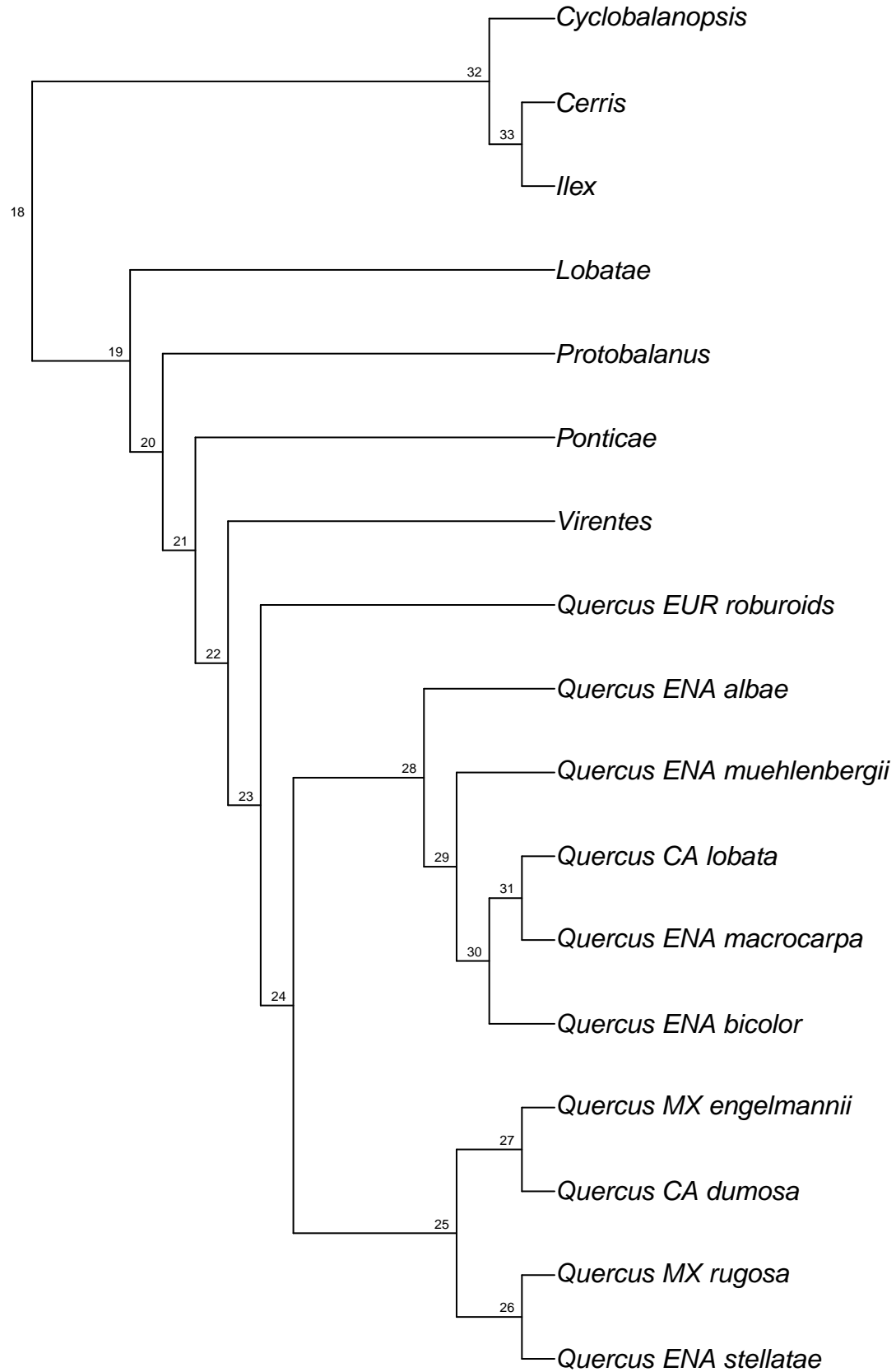
refRAD.ref\_tomentella\_raxml.bt047



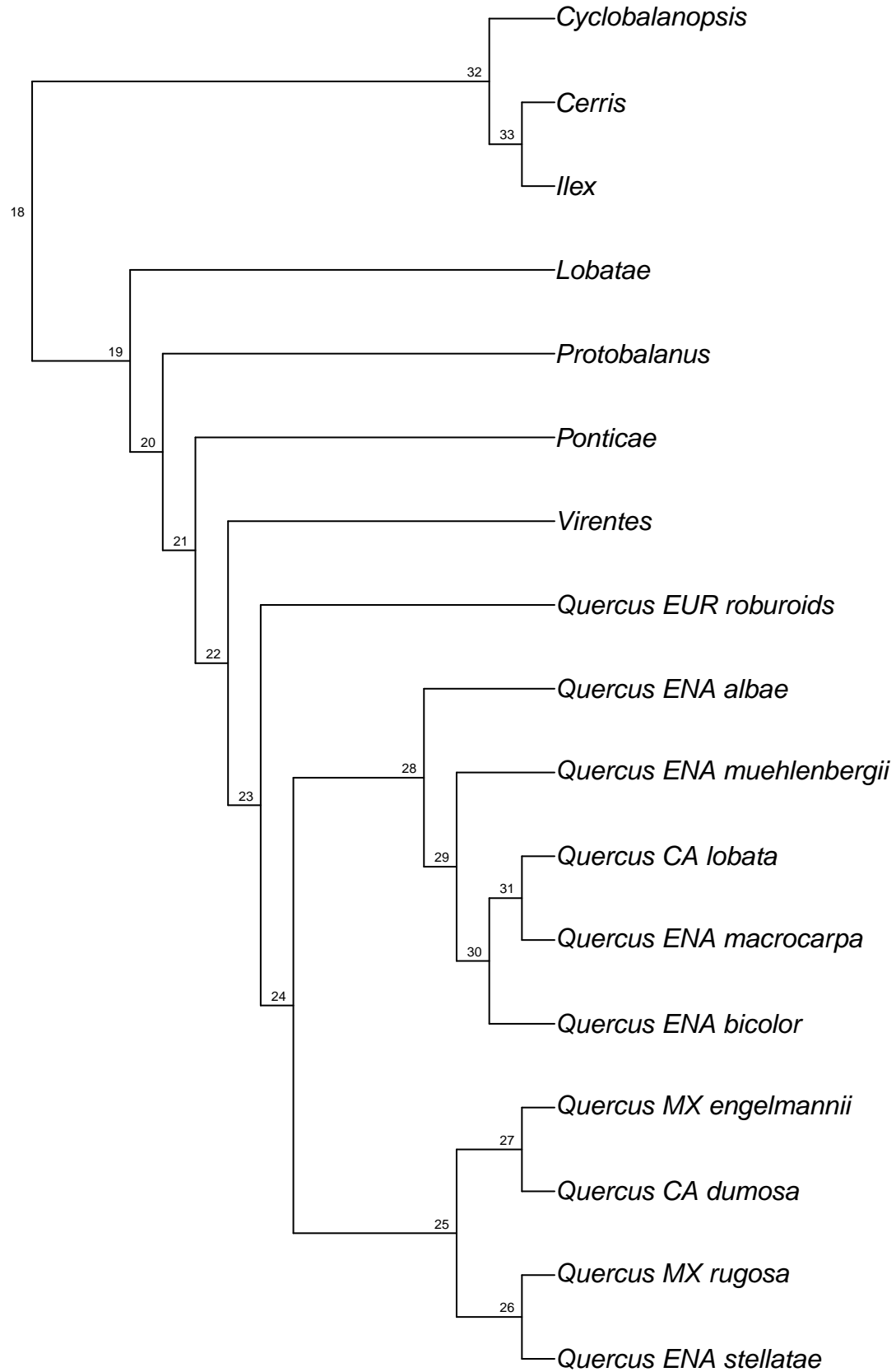
refRAD.ref\_tomentella\_raxml.bt048



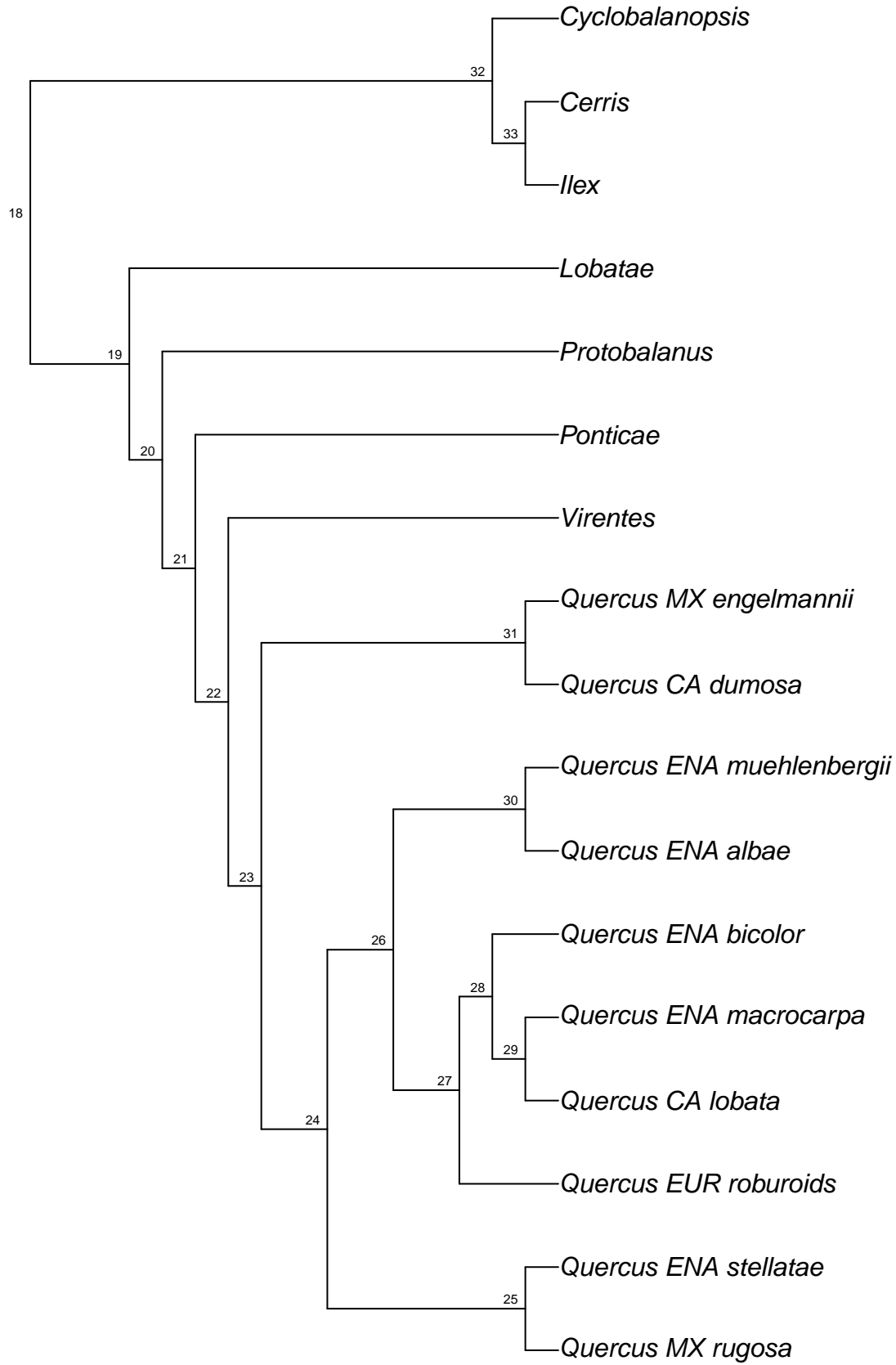
refRAD.ref\_tomentella\_raxml.bt049



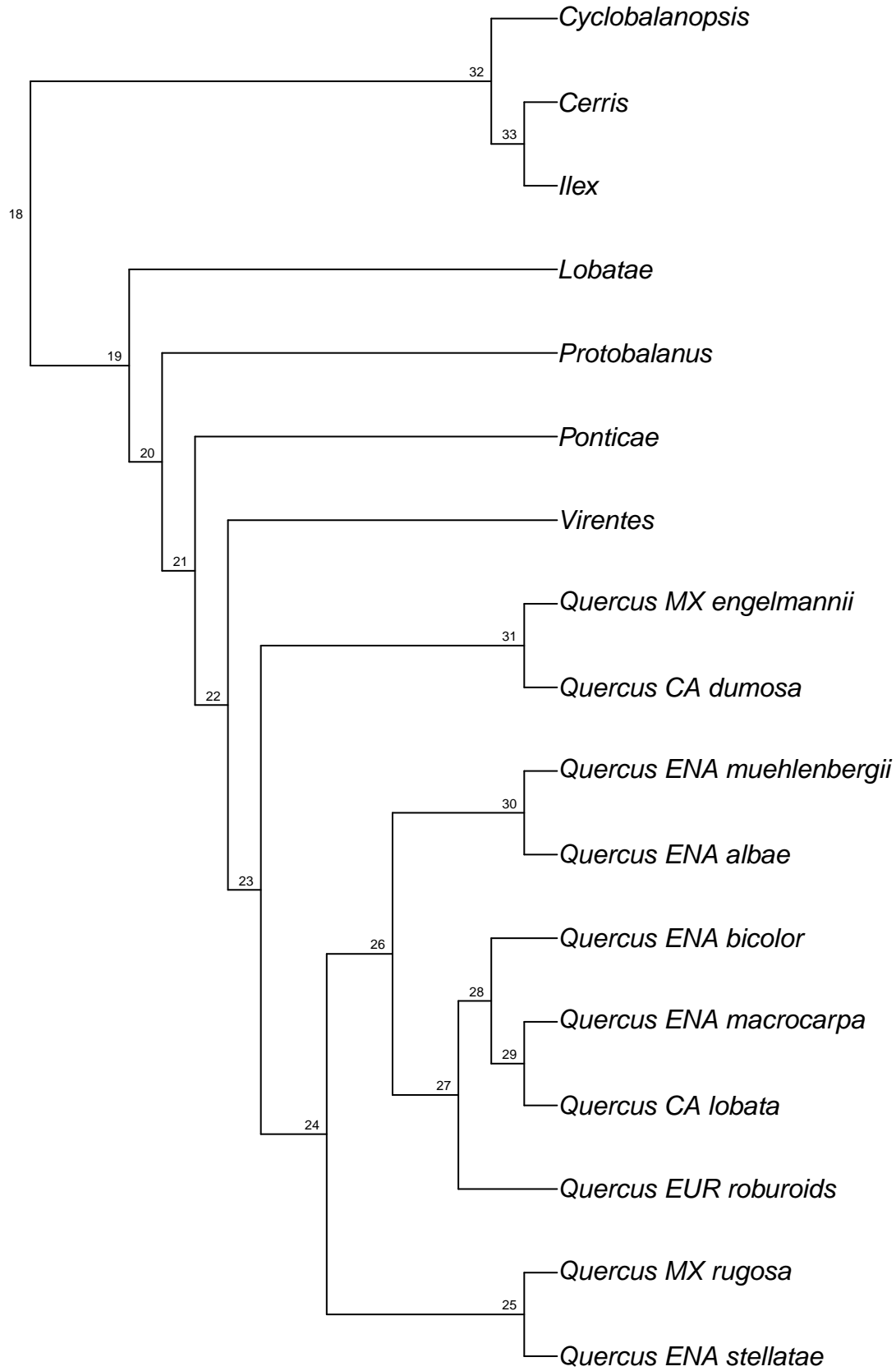
refRAD.ref\_tomentella\_raxml.bt050



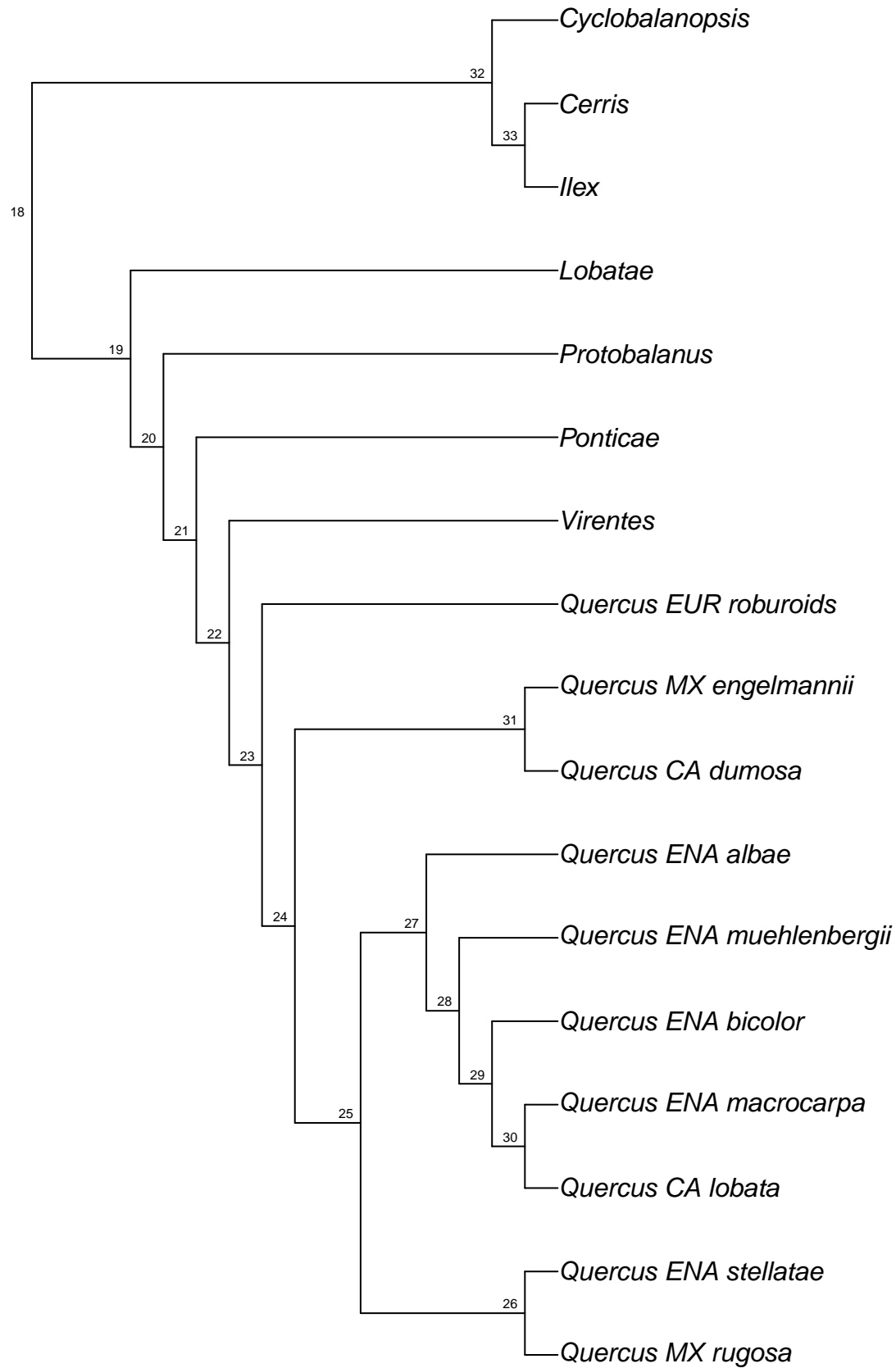
refRAD.ref\_tomentella\_raxml.bt051



refRAD.ref\_tomentella\_raxml.bt052

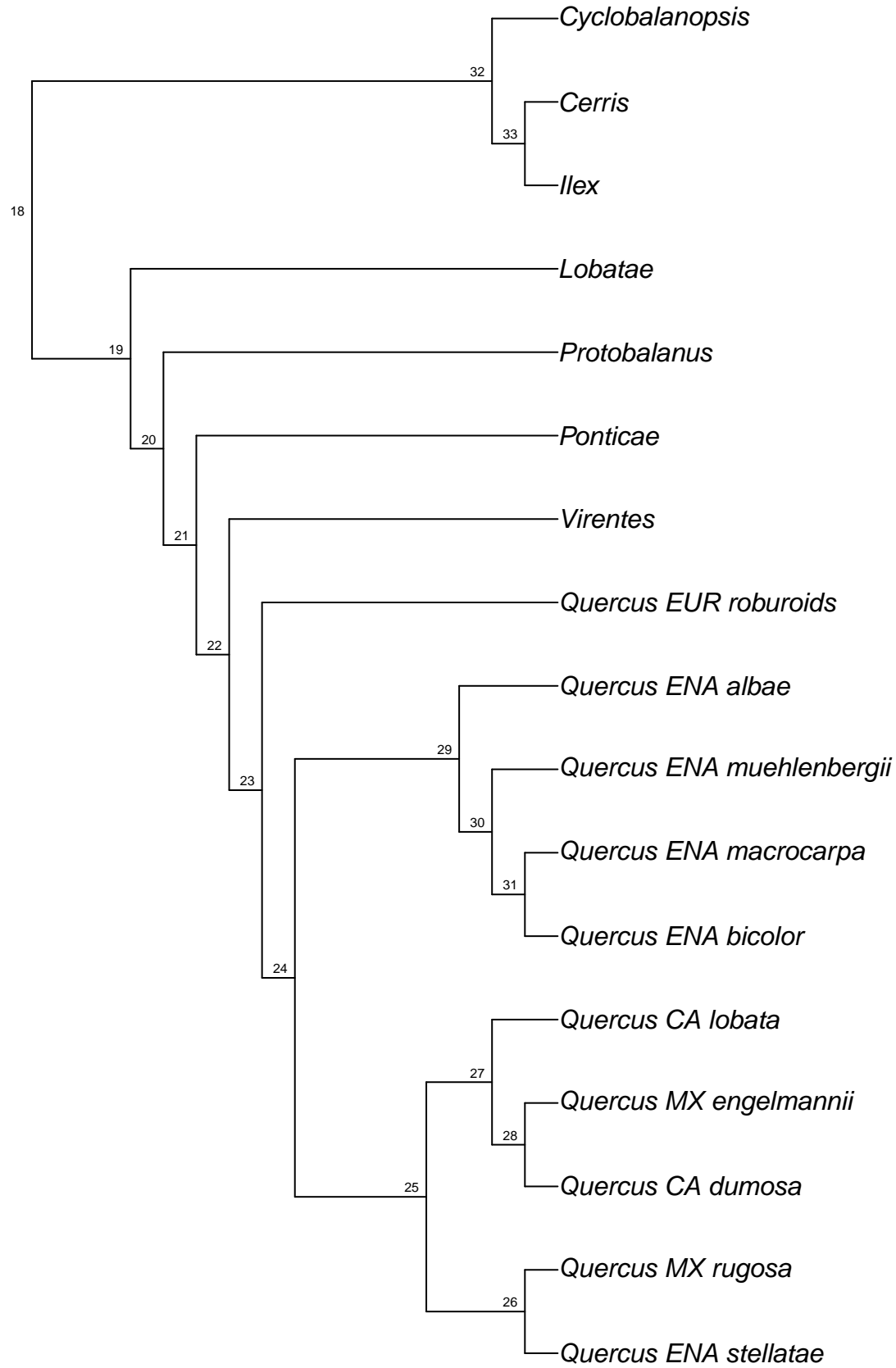


refRAD.ref\_tomentella\_raxml.bt053

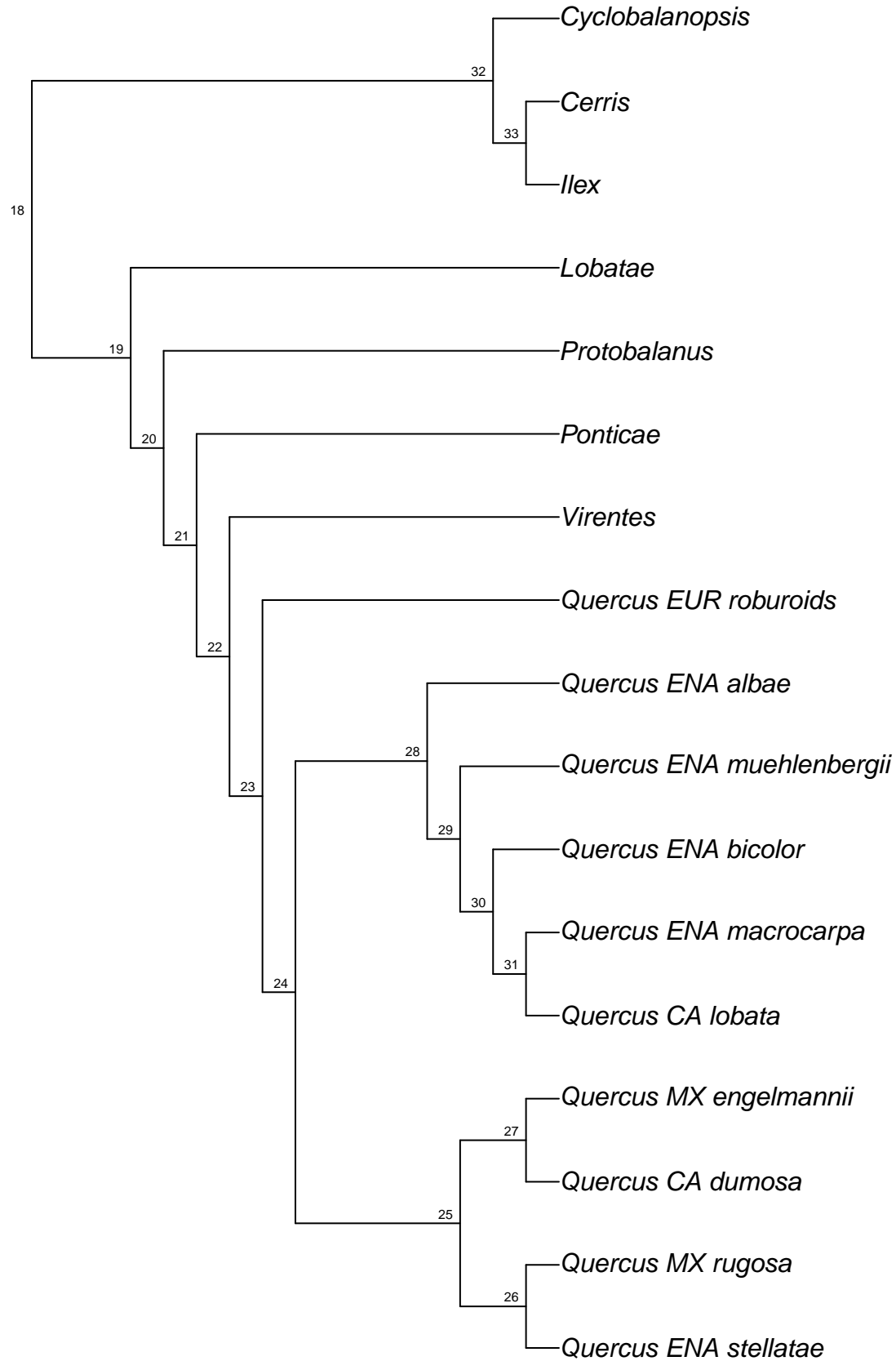




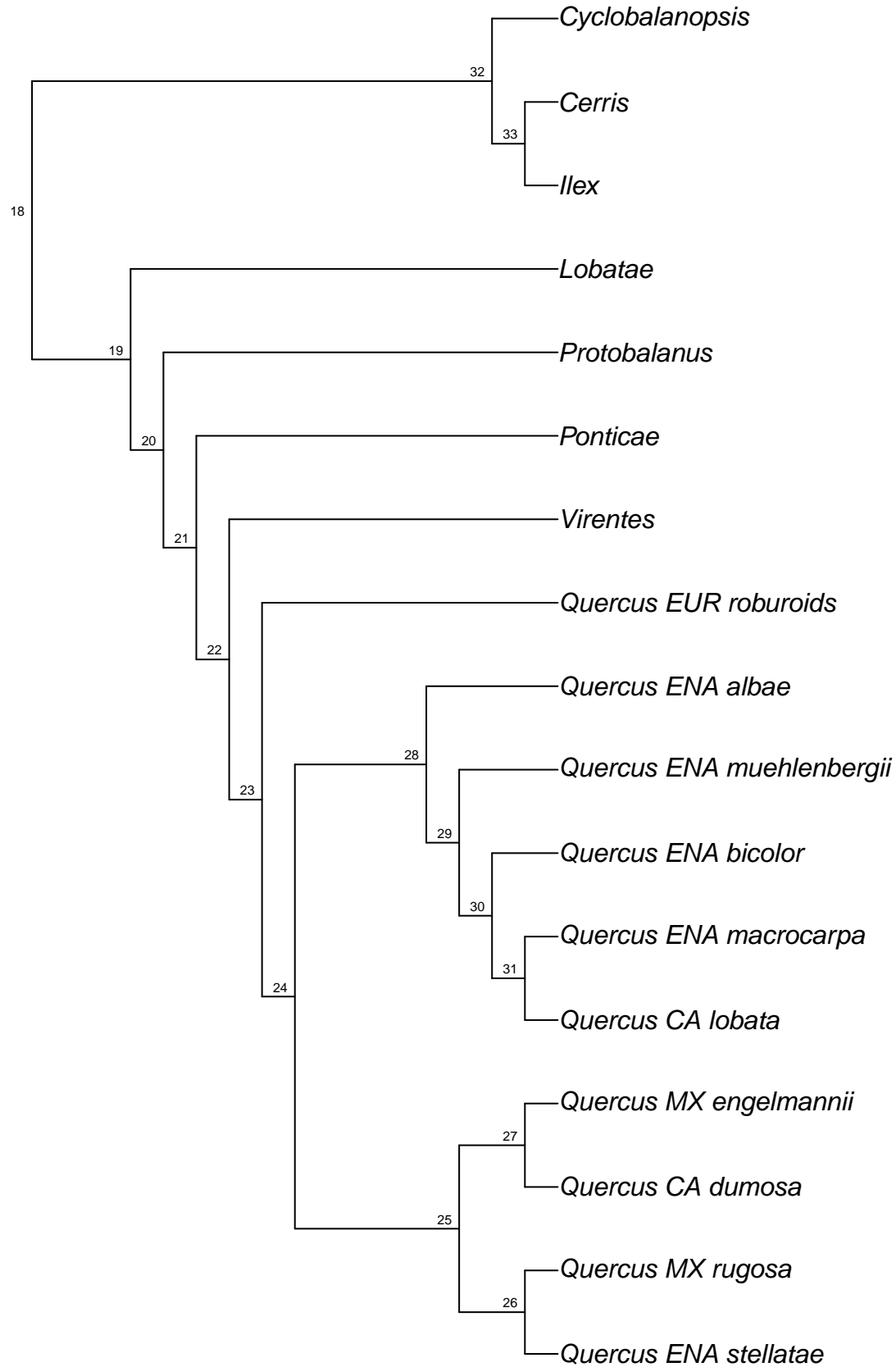
refRAD.ref\_tomentella\_raxml.bt054



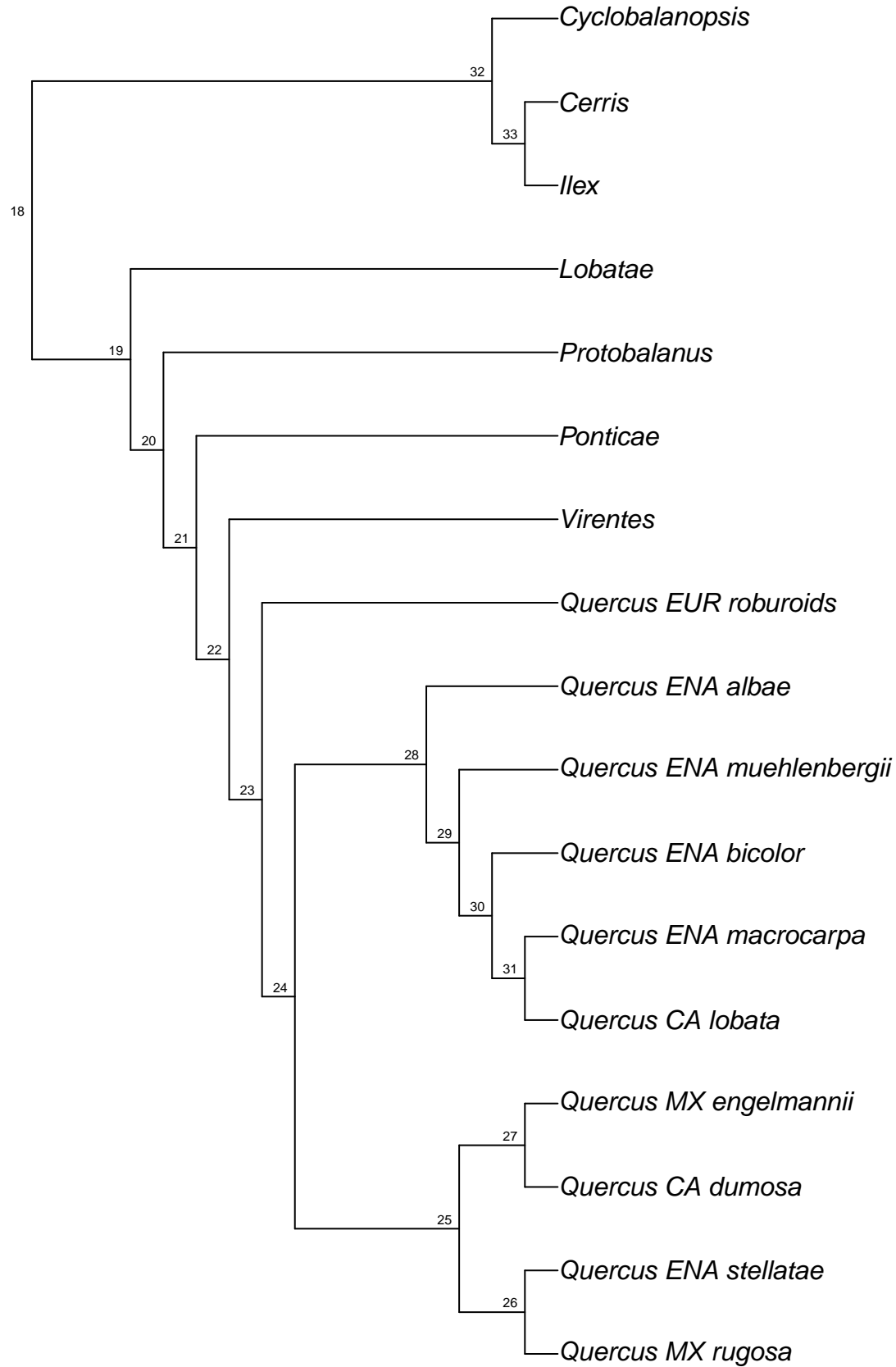
refRAD.ref\_tomentella\_raxml.bt055



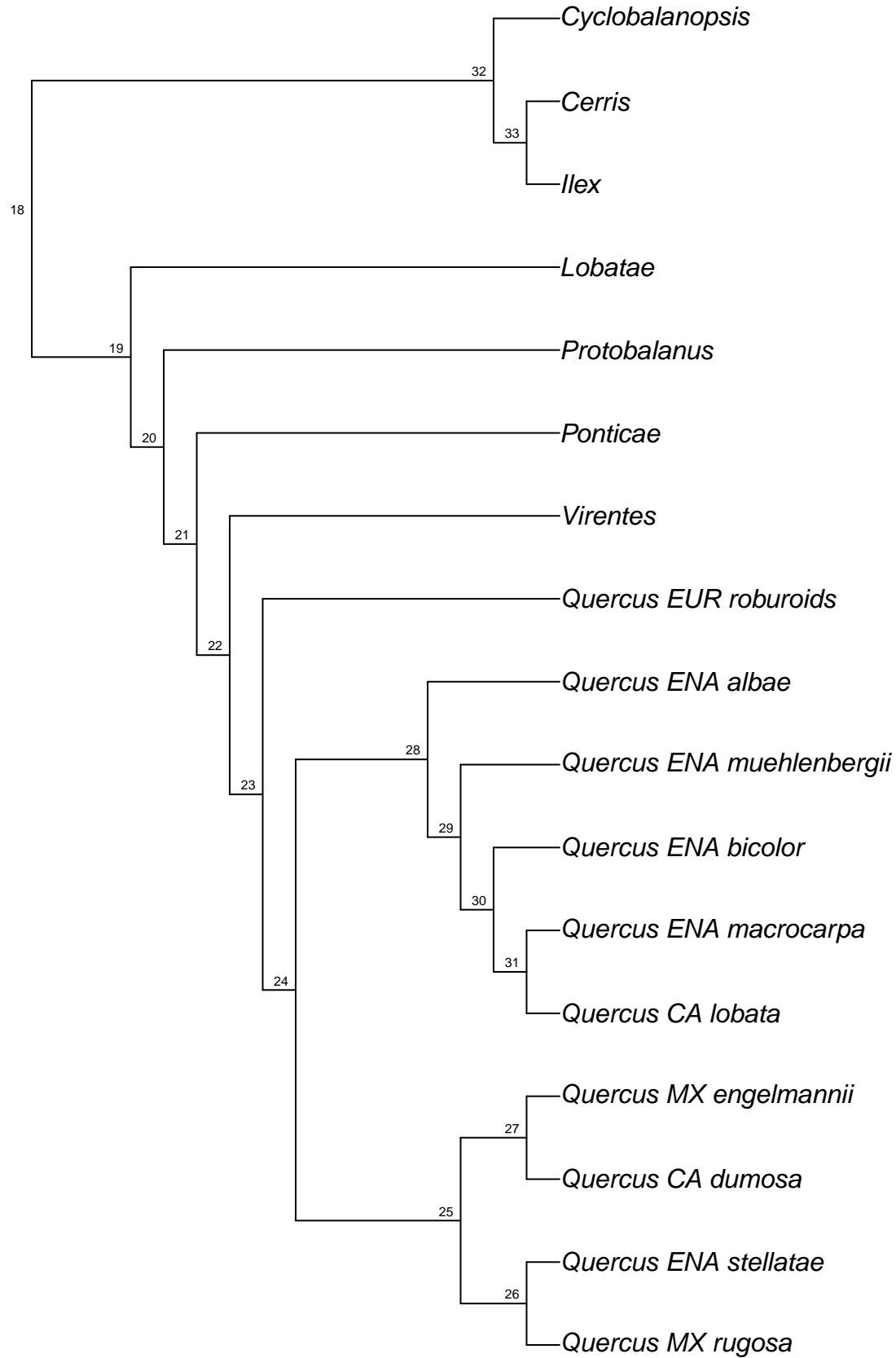
refRAD.ref\_tomentella\_raxml.bt056



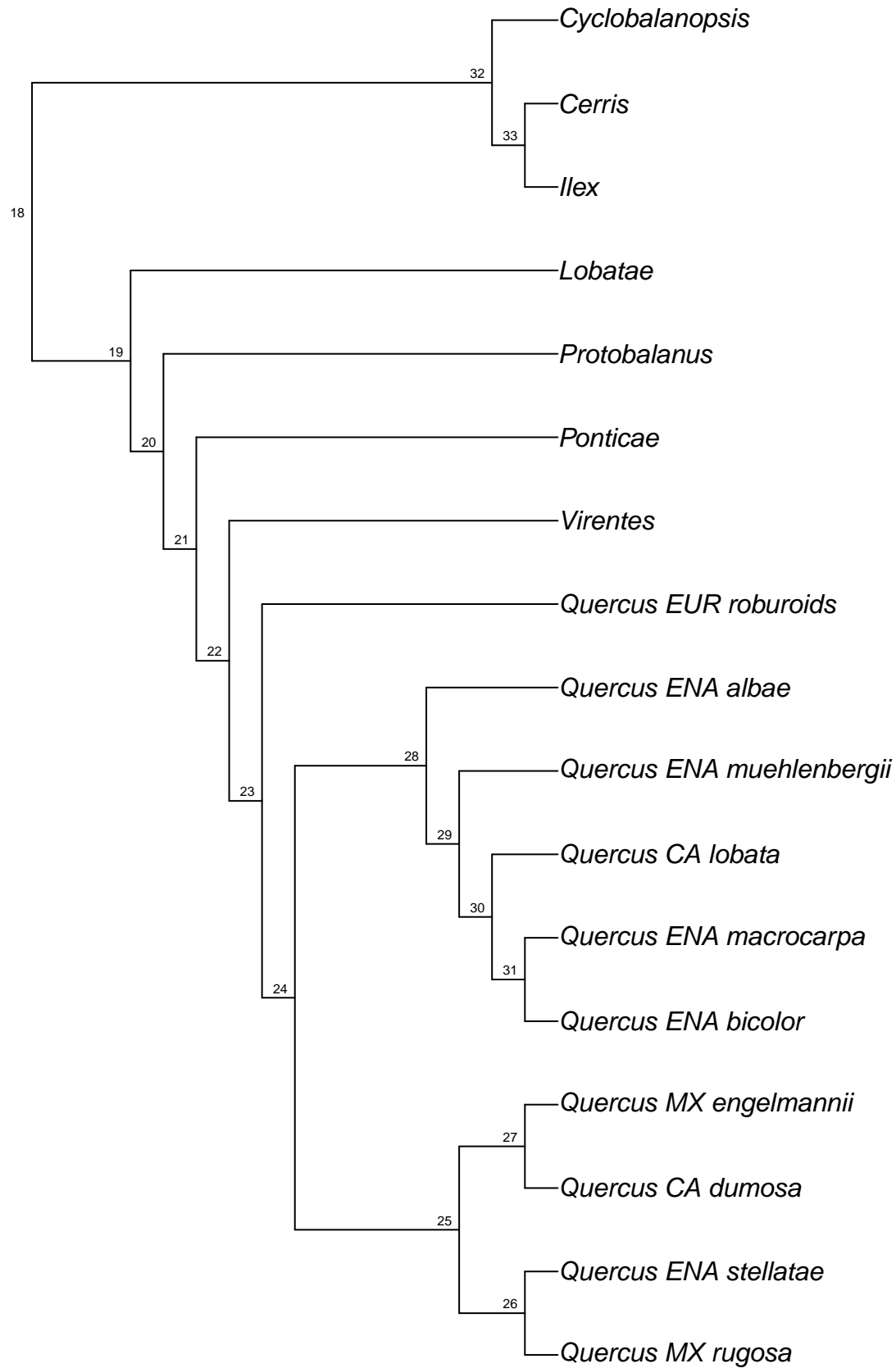
refRAD.ref\_tomentella\_raxml.bt057



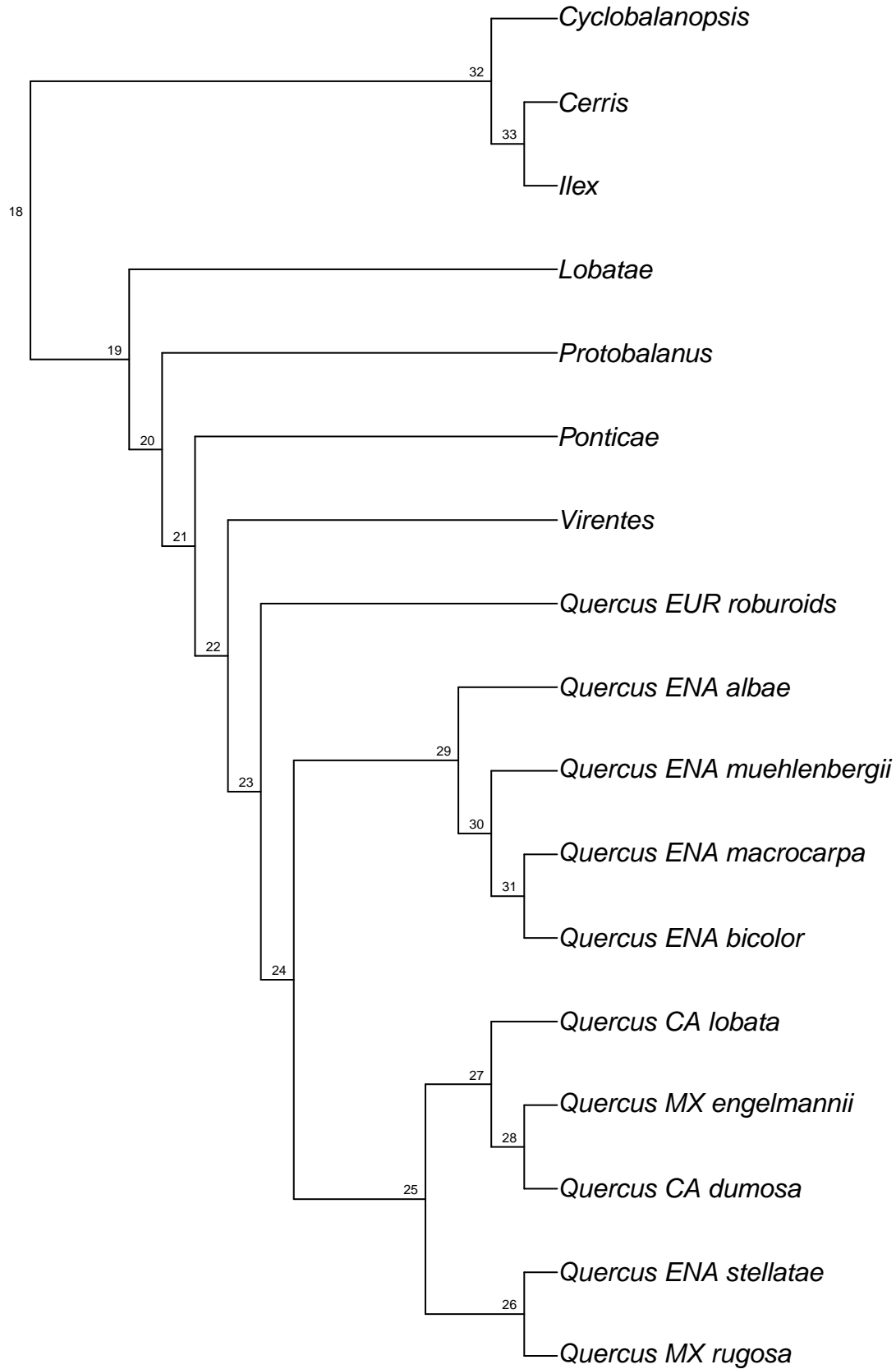
refRAD.ref\_tomentella\_raxml.bt058



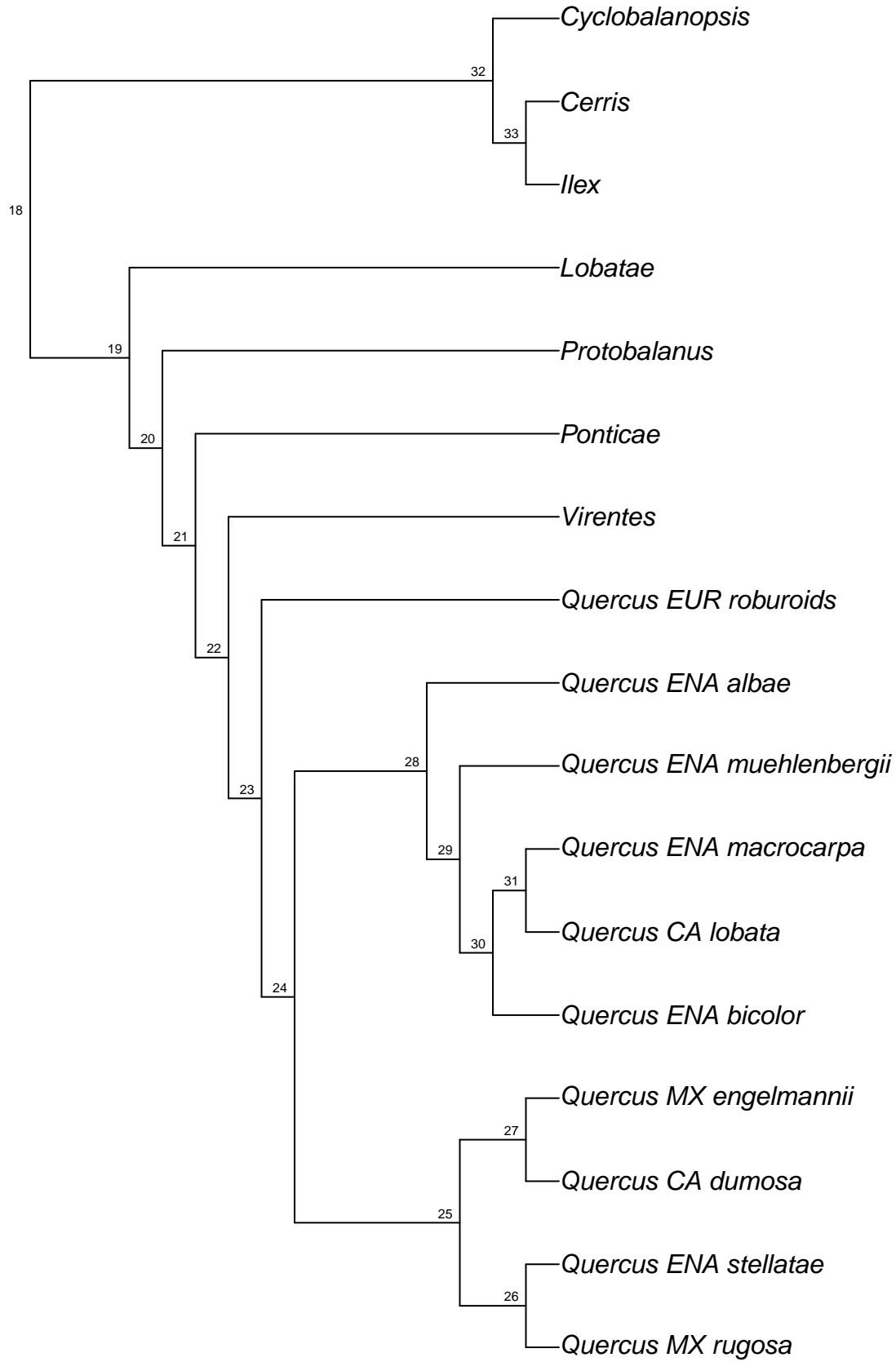
refRAD.ref\_tomentella\_raxml.bt059



refRAD.ref\_tomentella\_raxml.bt060

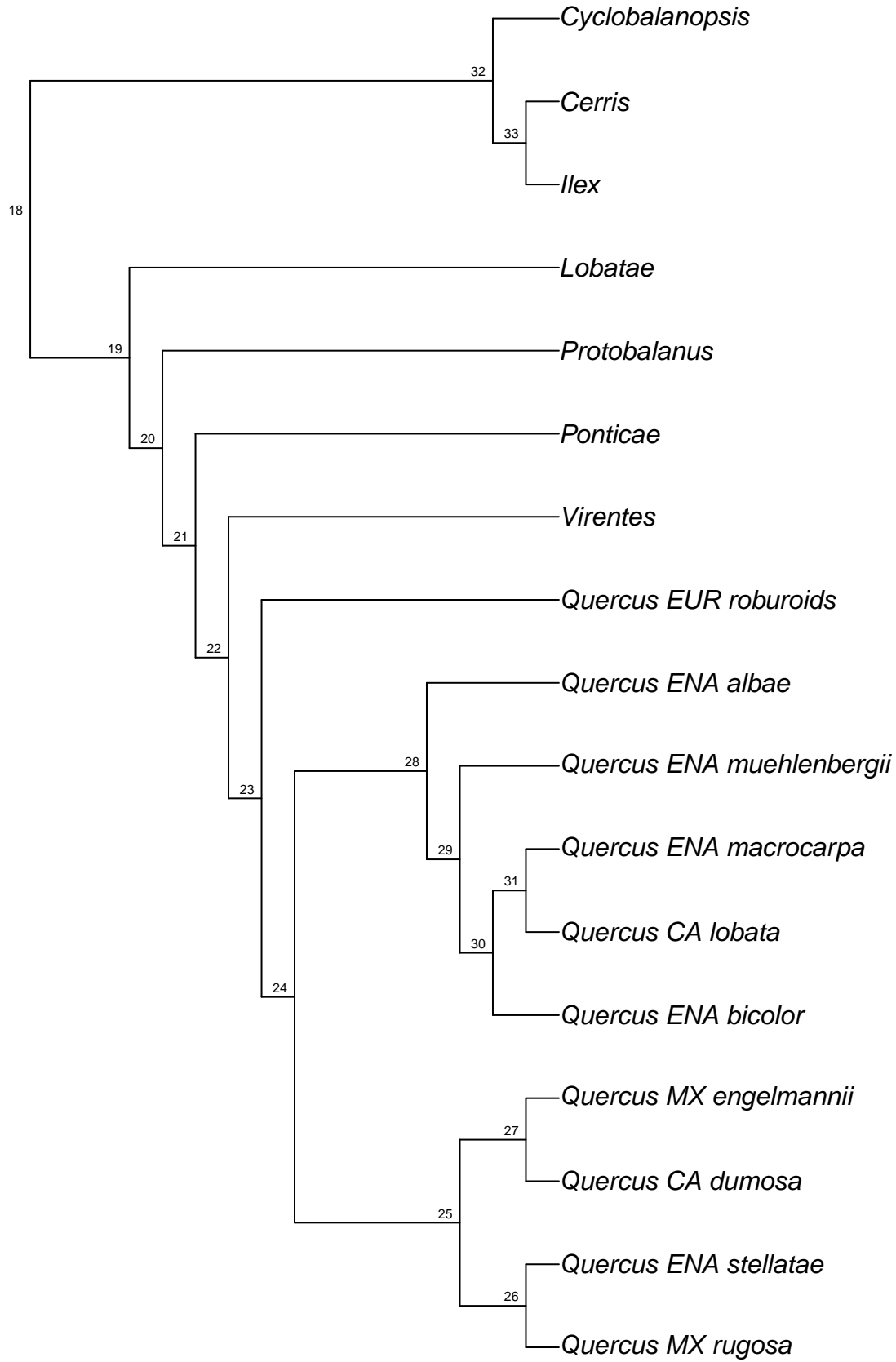


refRAD.ref\_tomentella\_raxml.bt061

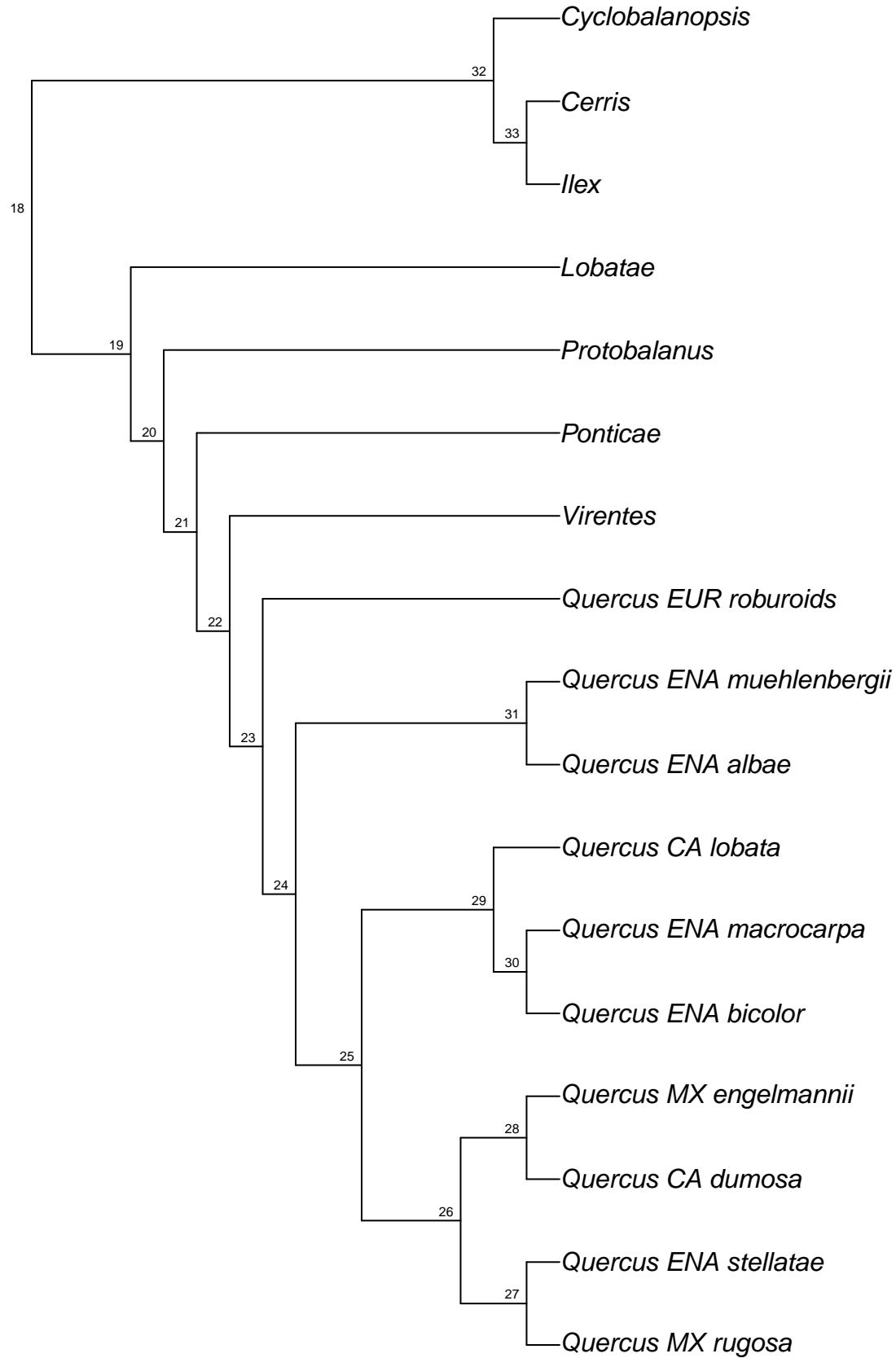




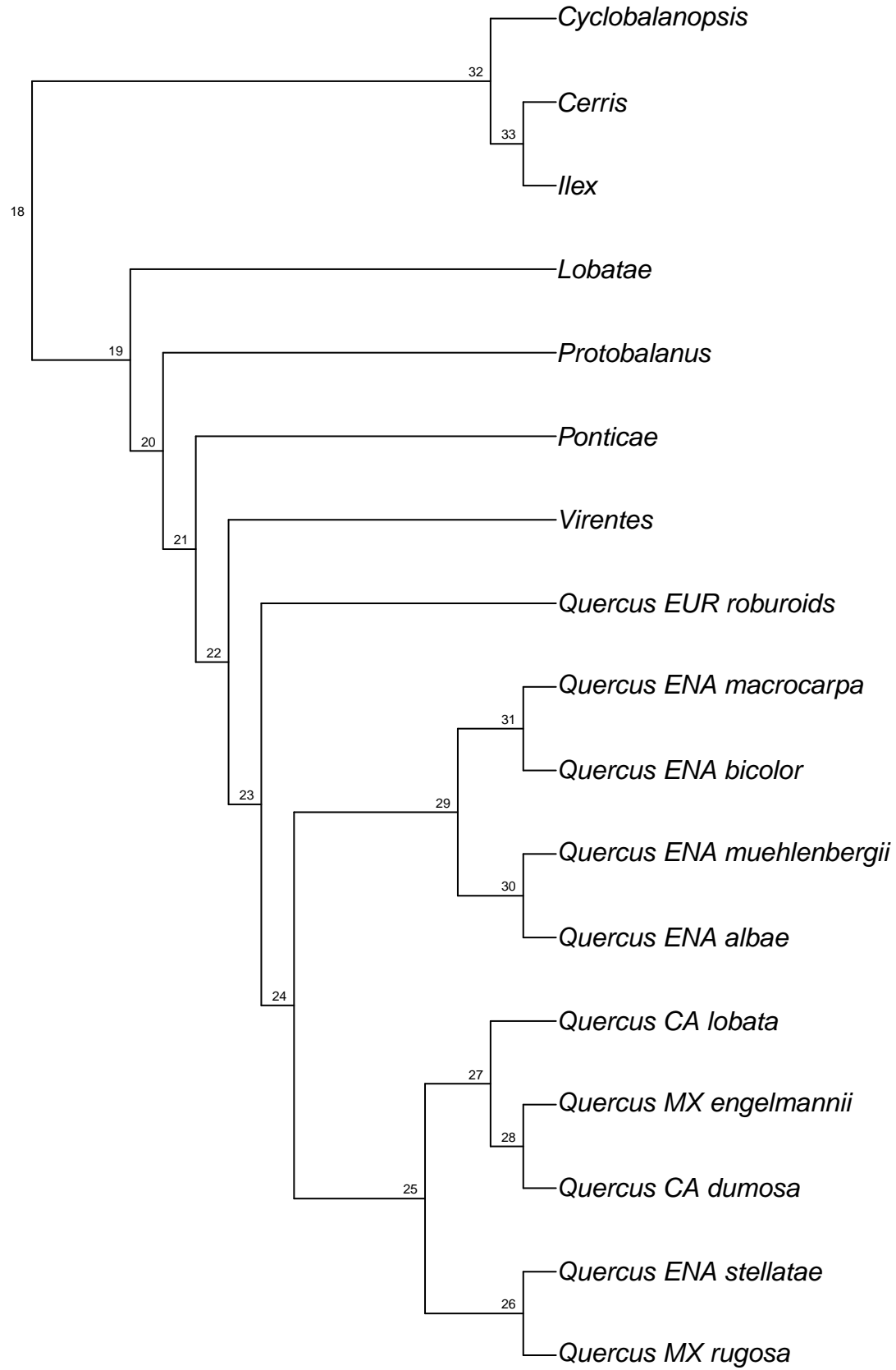
refRAD.ref\_tomentella\_raxml.bt062



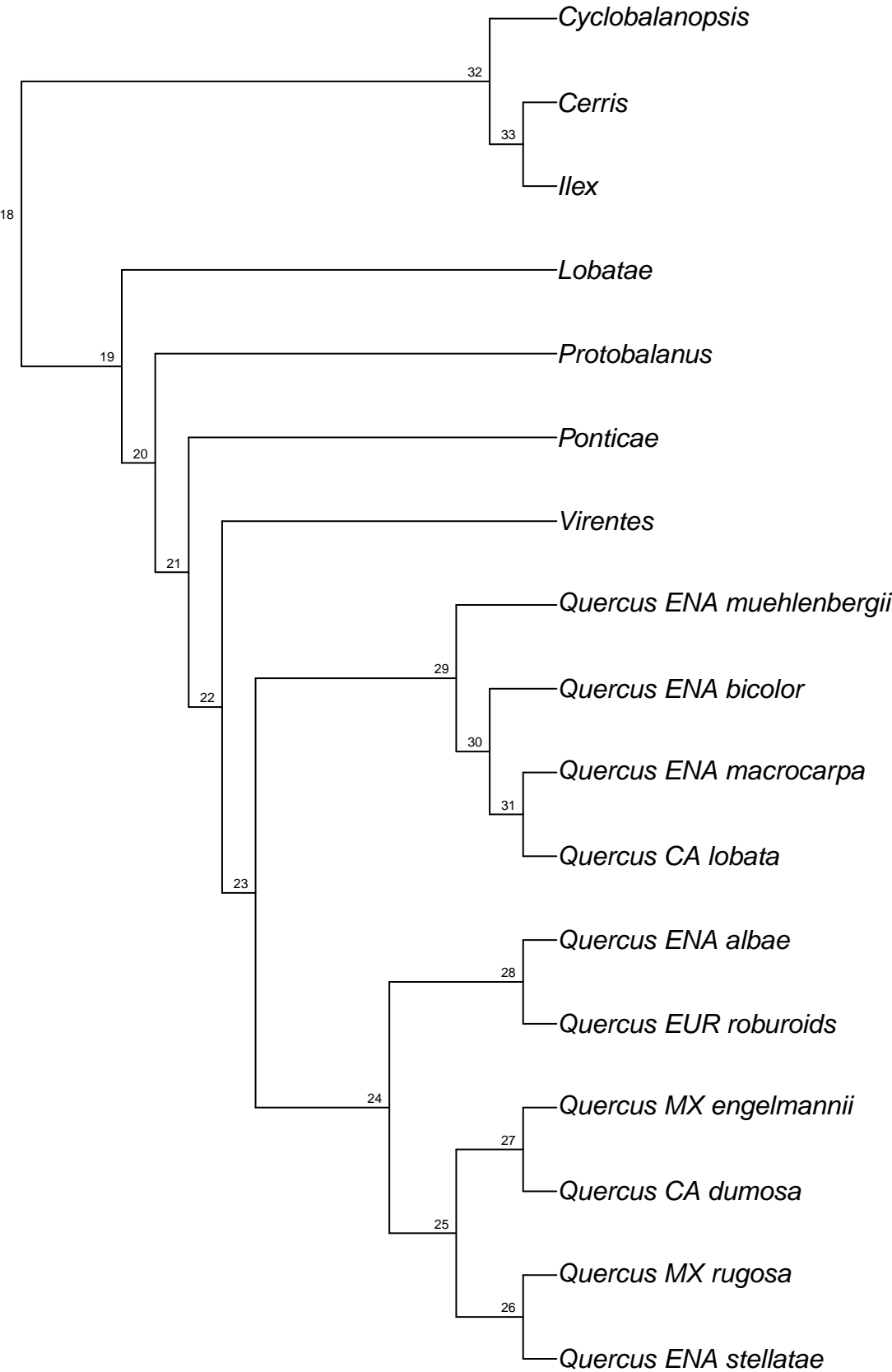
refRAD.ref\_tomentella\_raxml.bt063



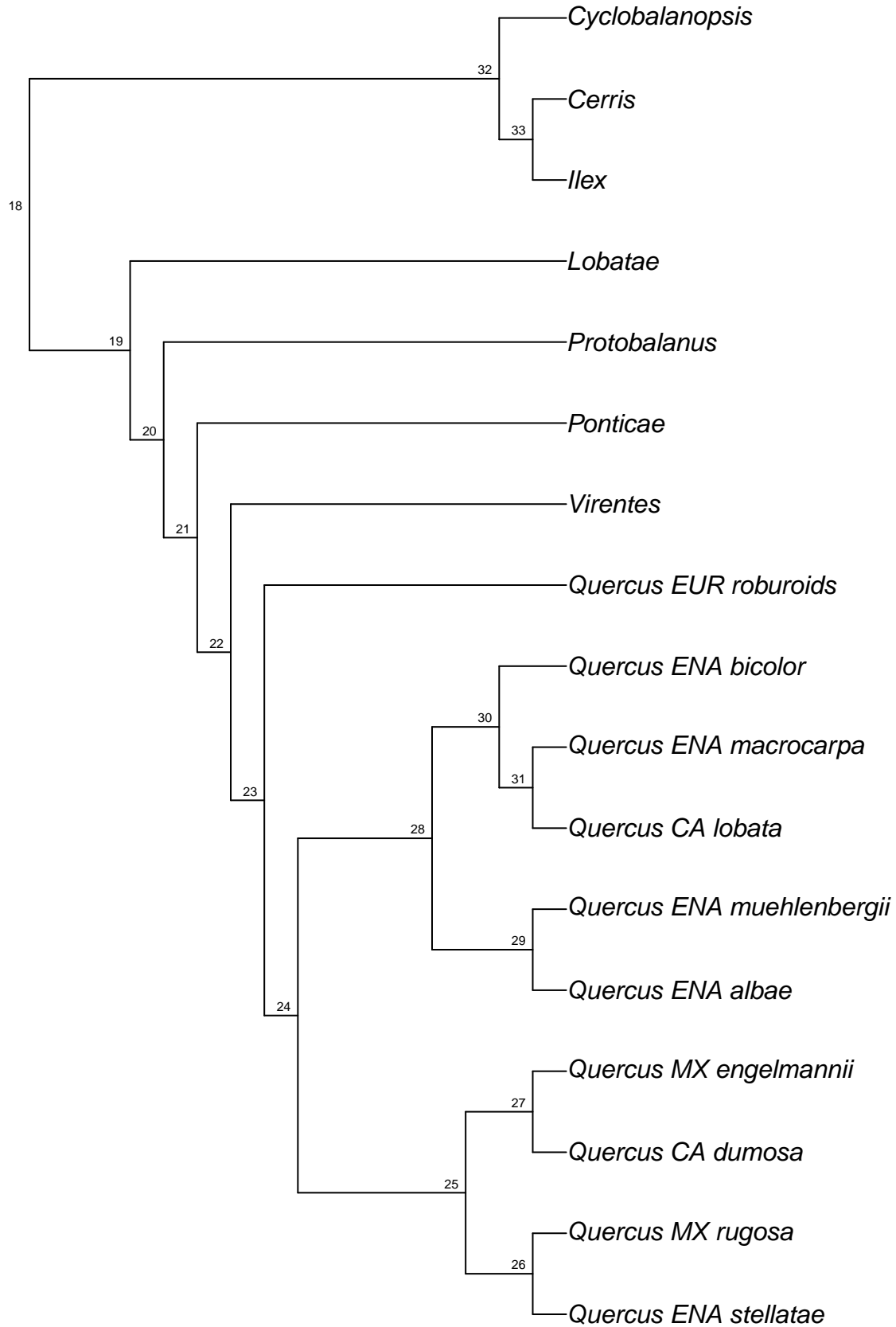
refRAD.ref\_tomentella\_raxml.bt064



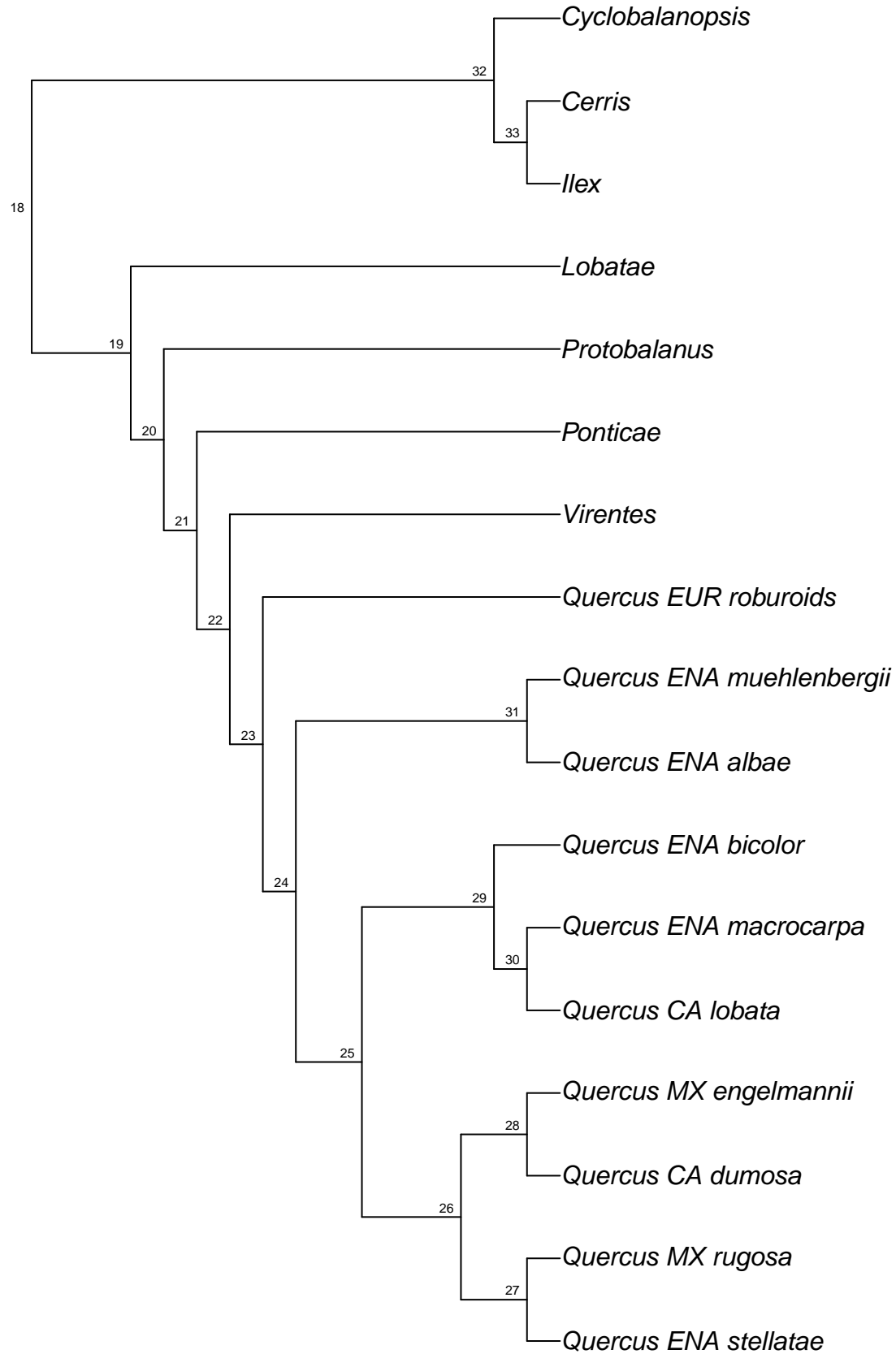
refRAD.ref\_tomentella\_raxml.bt065



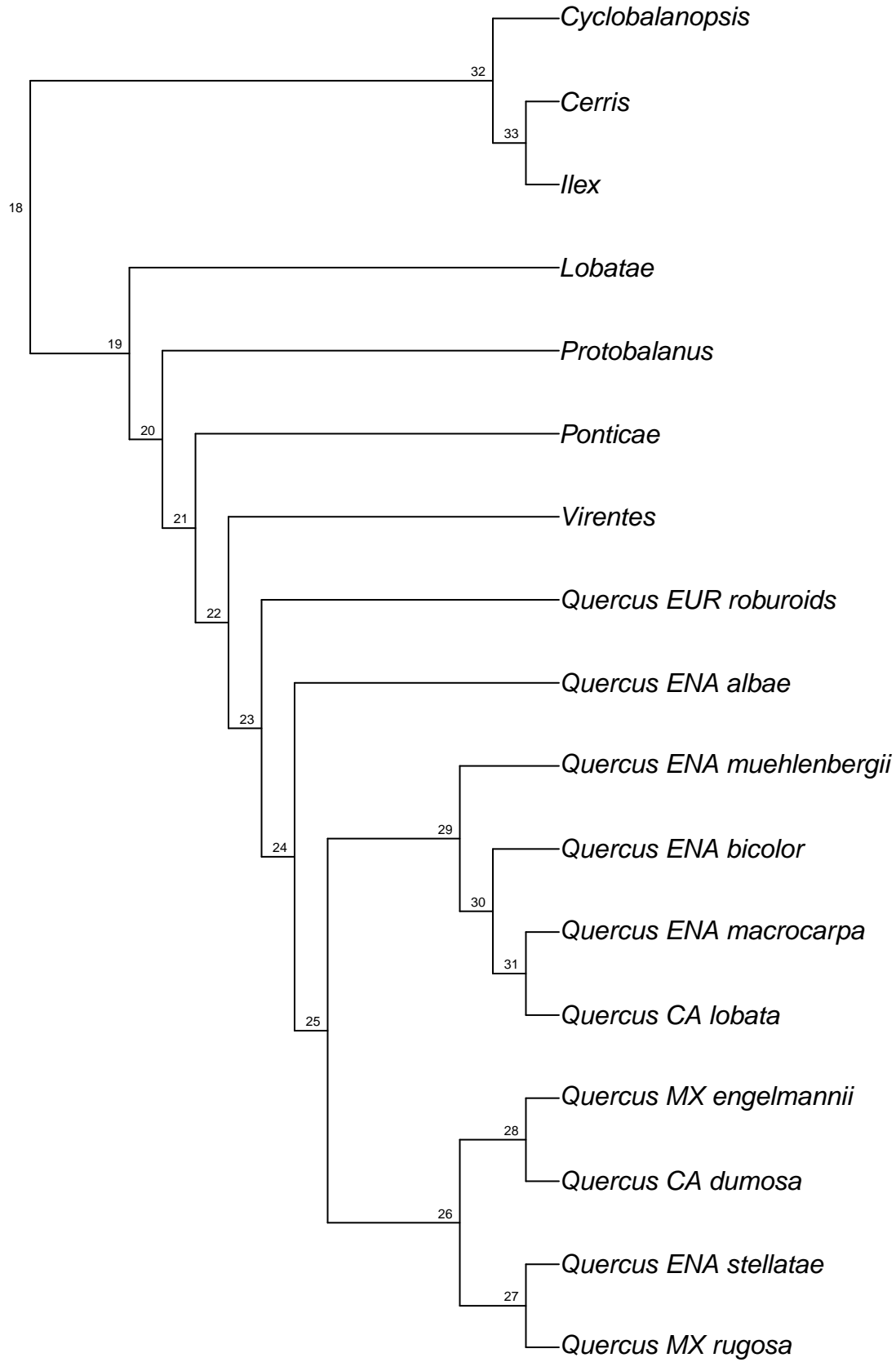
refRAD.ref\_tomentella\_raxml.bt066



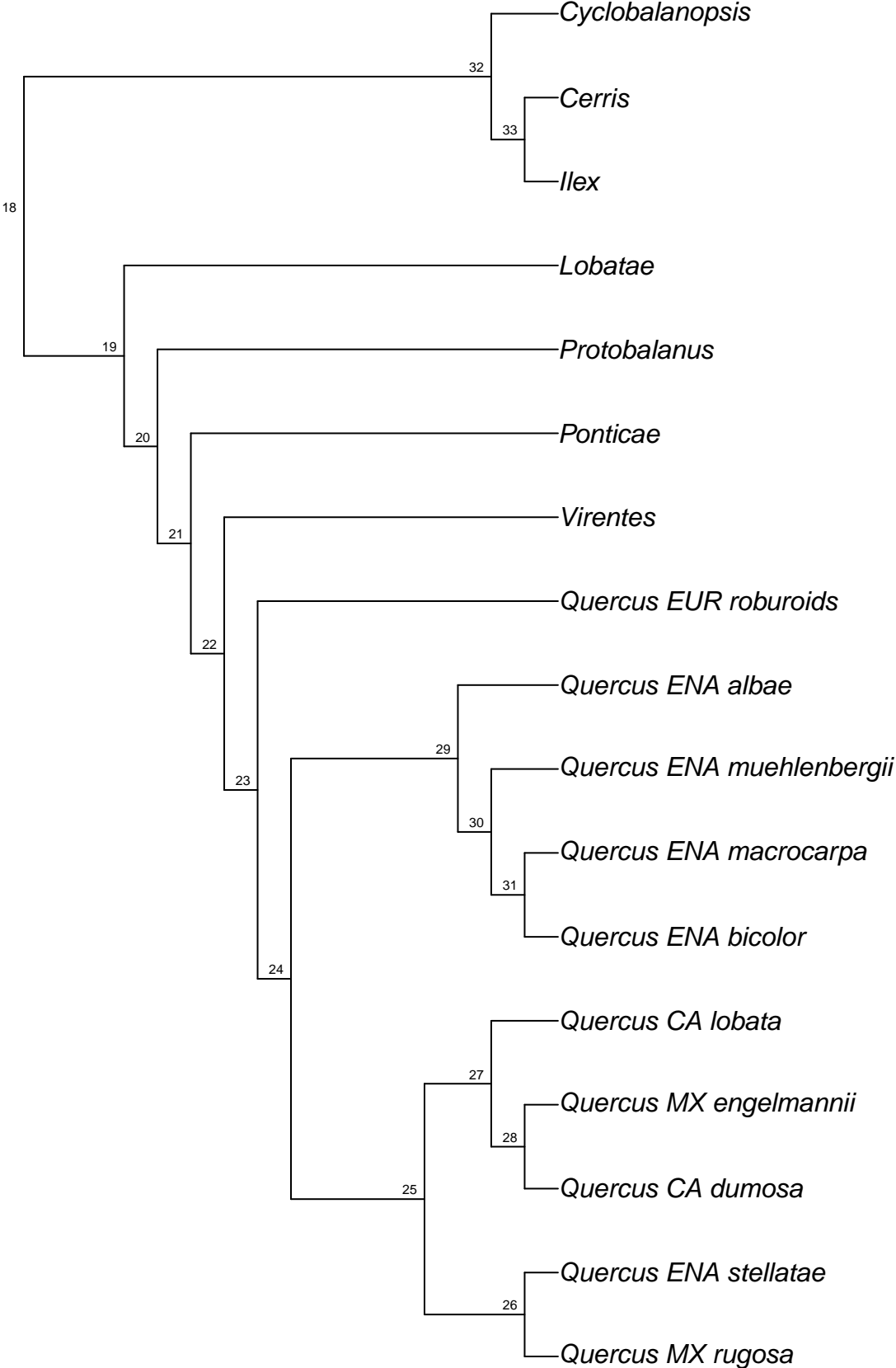
refRAD.ref\_tomentella\_raxml.bt067



refRAD.ref\_tomentella\_raxml.bt068

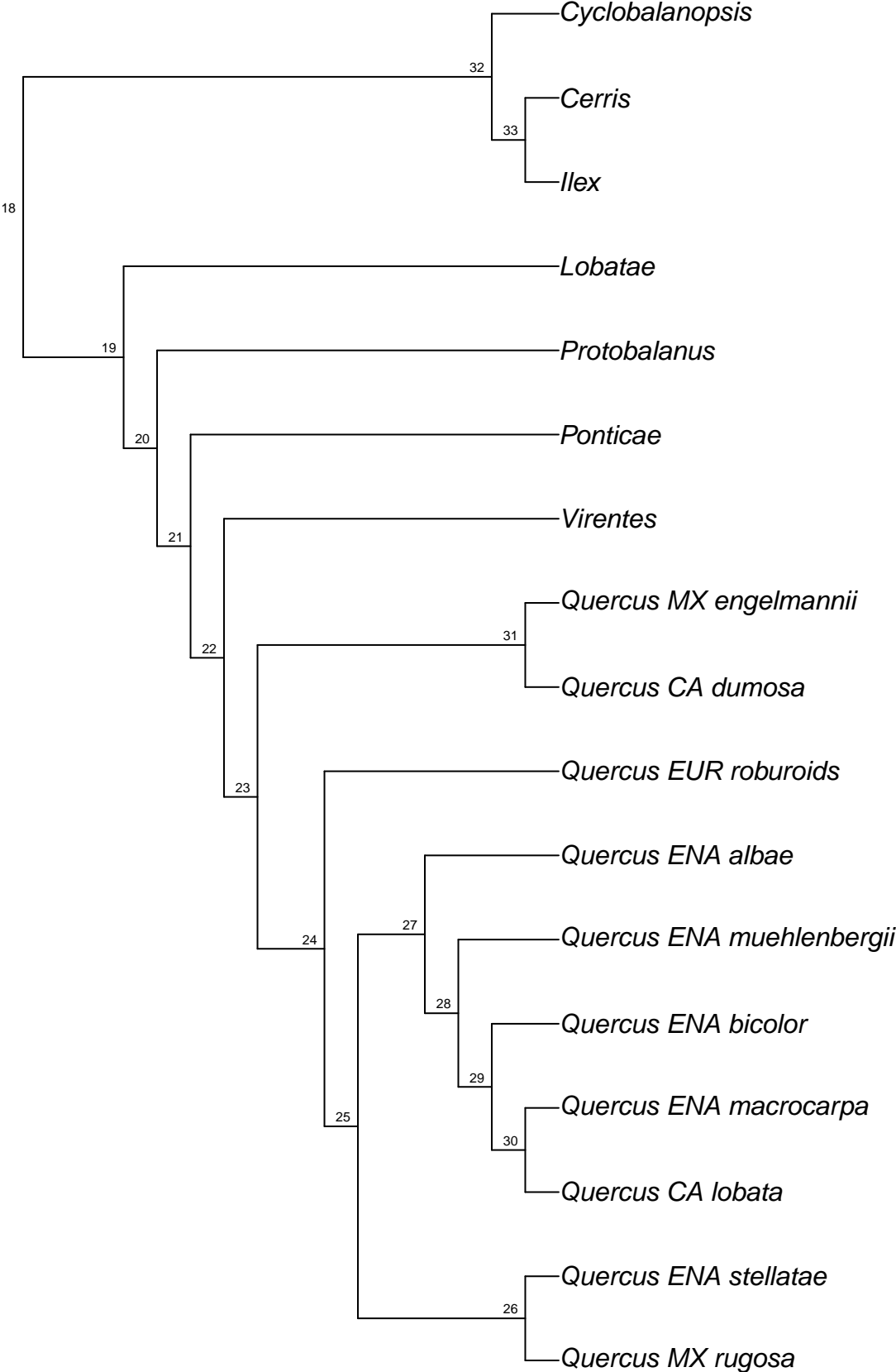


refRAD.ref\_tomentella\_raxml.bt069

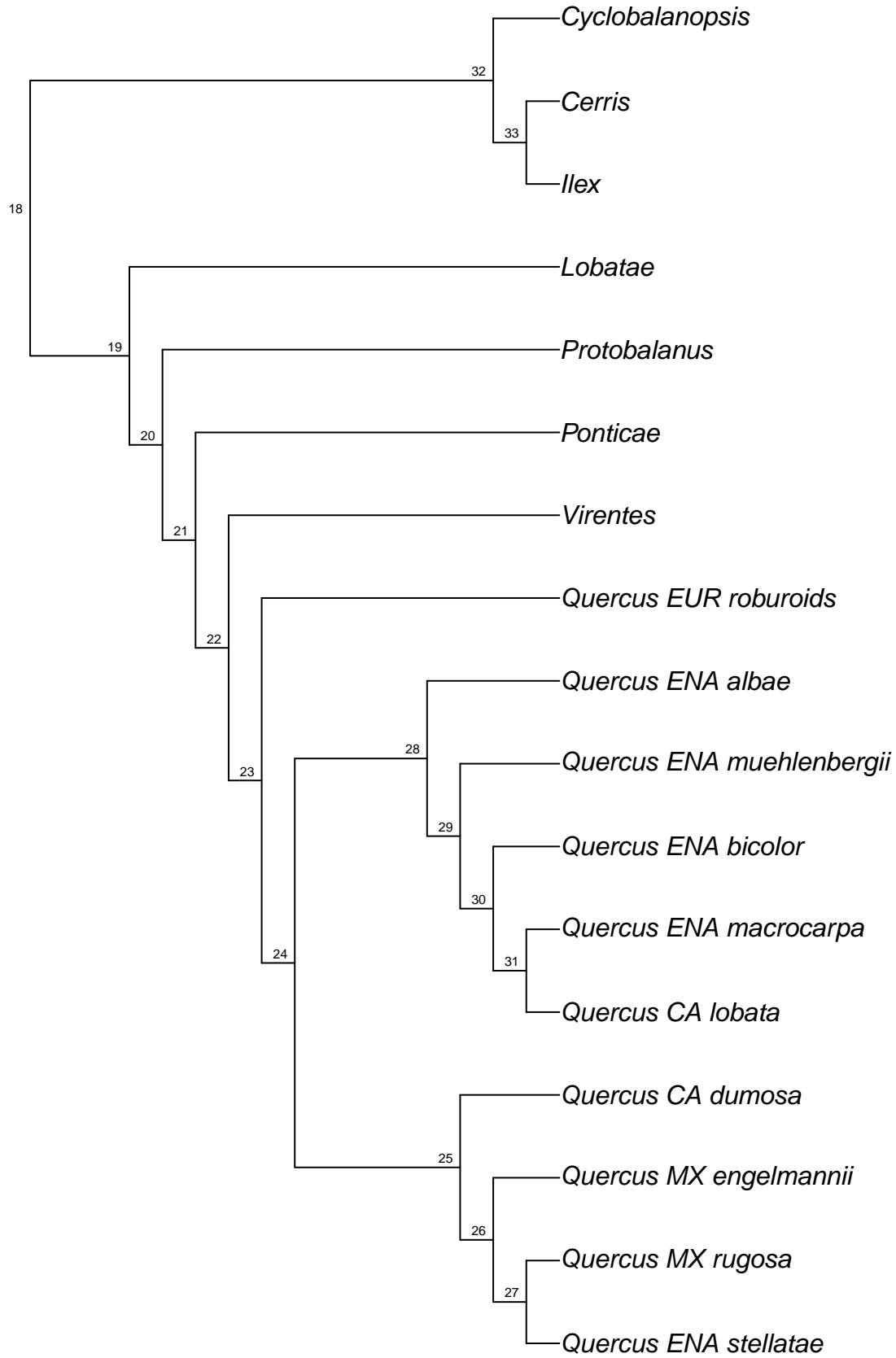




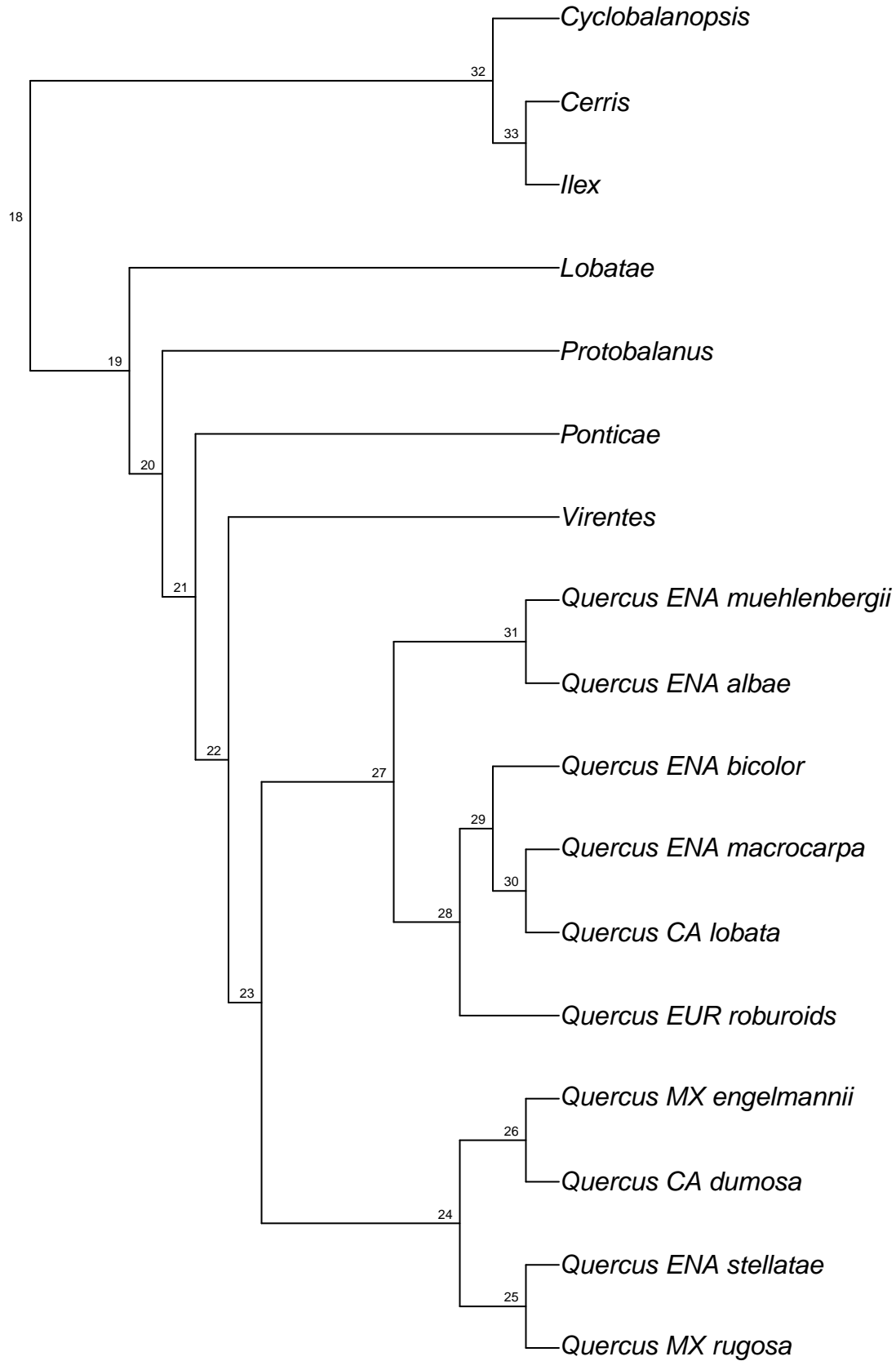
refRAD.ref\_tomentella\_raxml.bt070



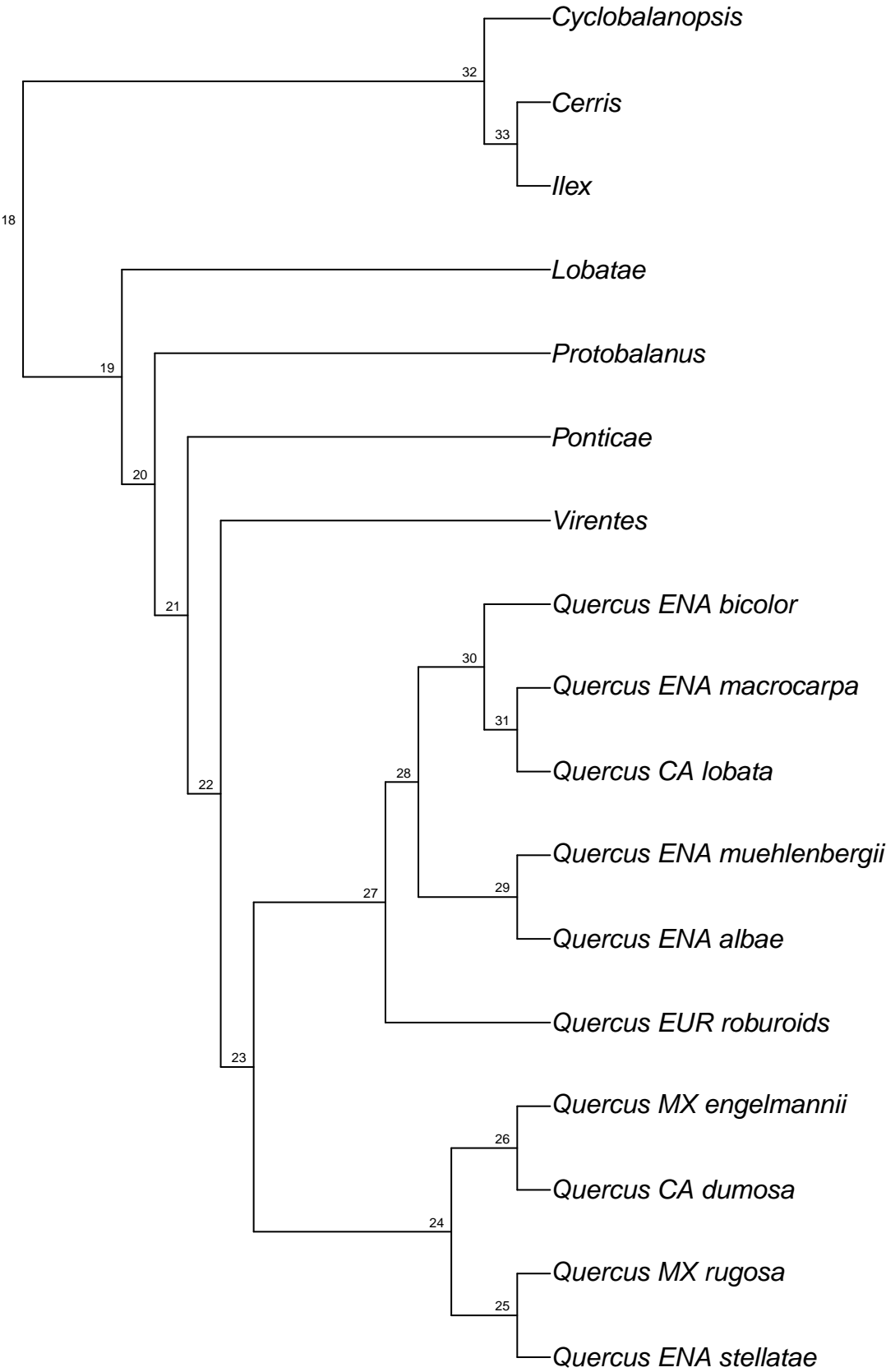
refRAD.ref\_tomentella\_raxml.bt071



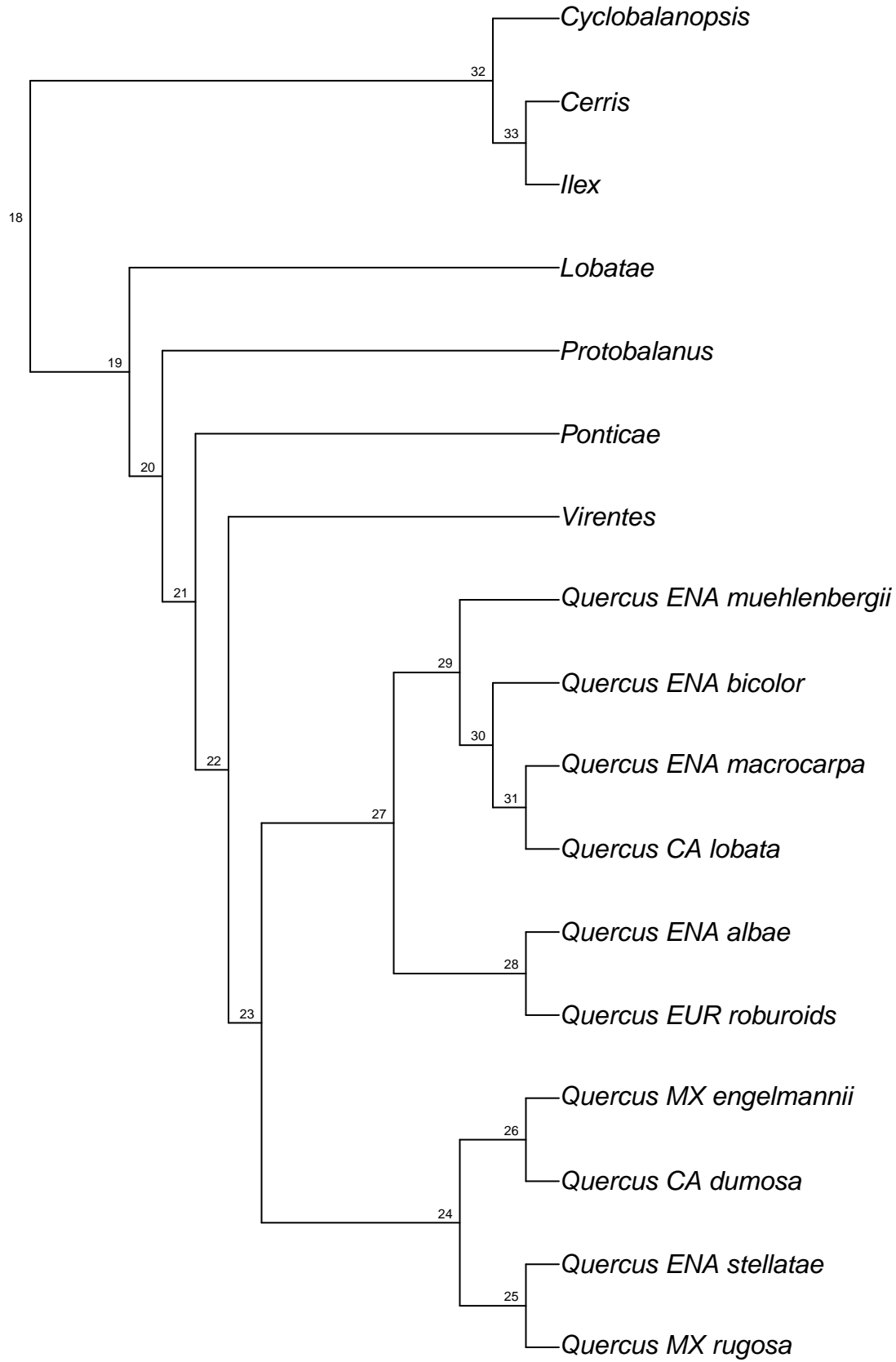
refRAD.ref\_tomentella\_raxml.bt072



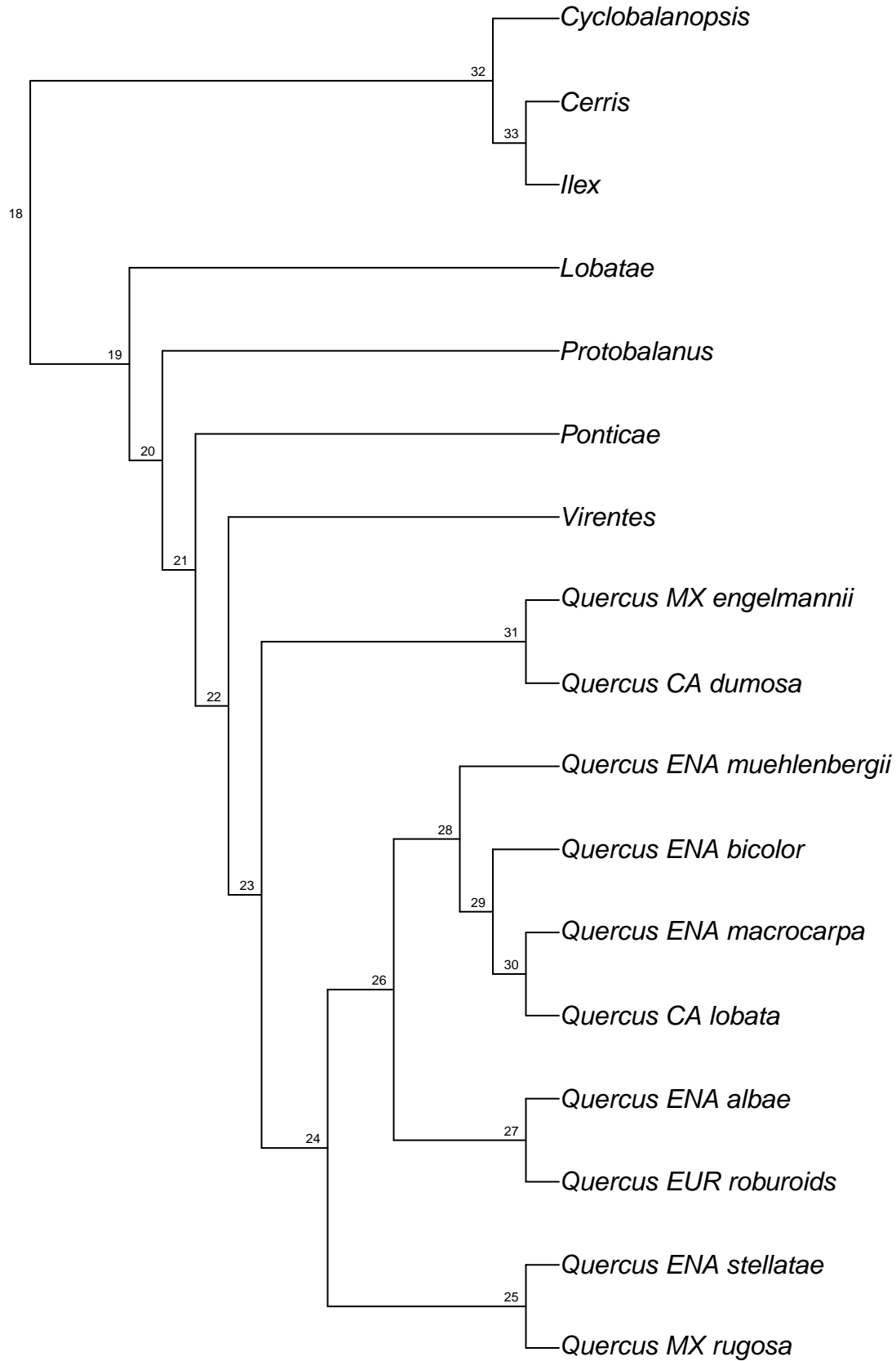
refRAD.ref\_tomentella\_raxml.bt073



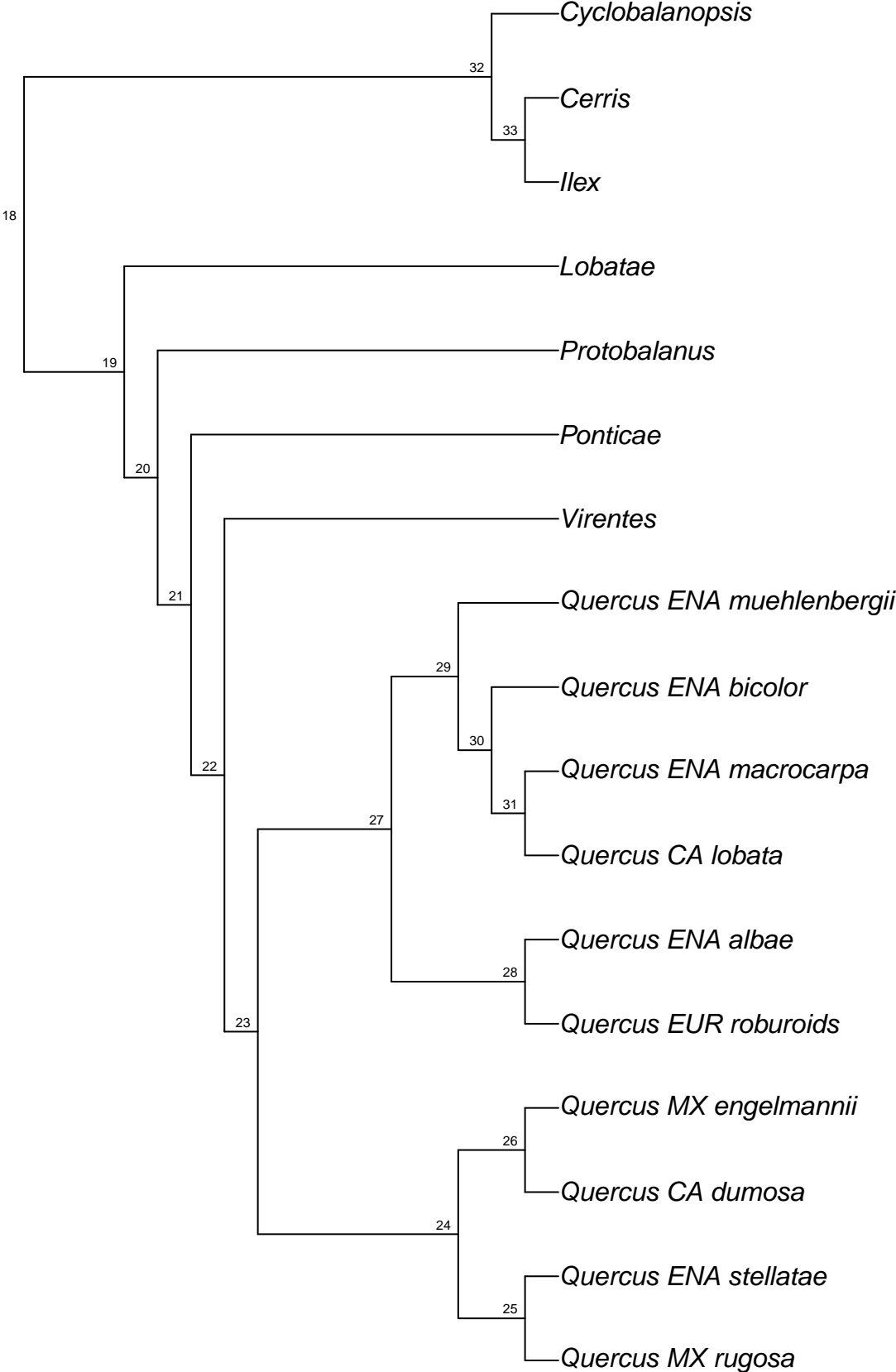
refRAD.ref\_tomentella\_raxml.bt074



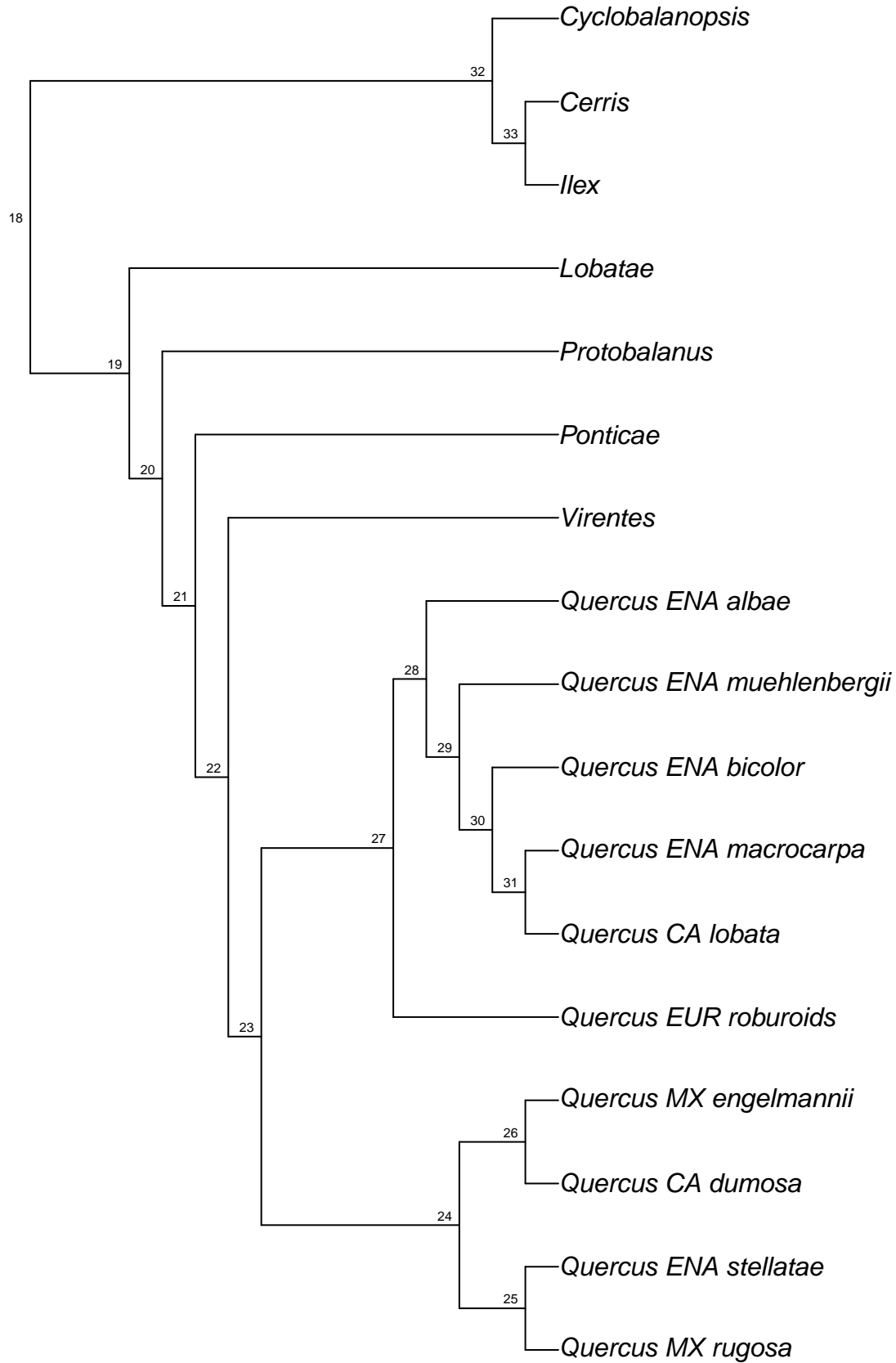
refRAD.ref\_tomentella\_raxml.bt075



refRAD.ref\_tomentella\_raxml.bt076

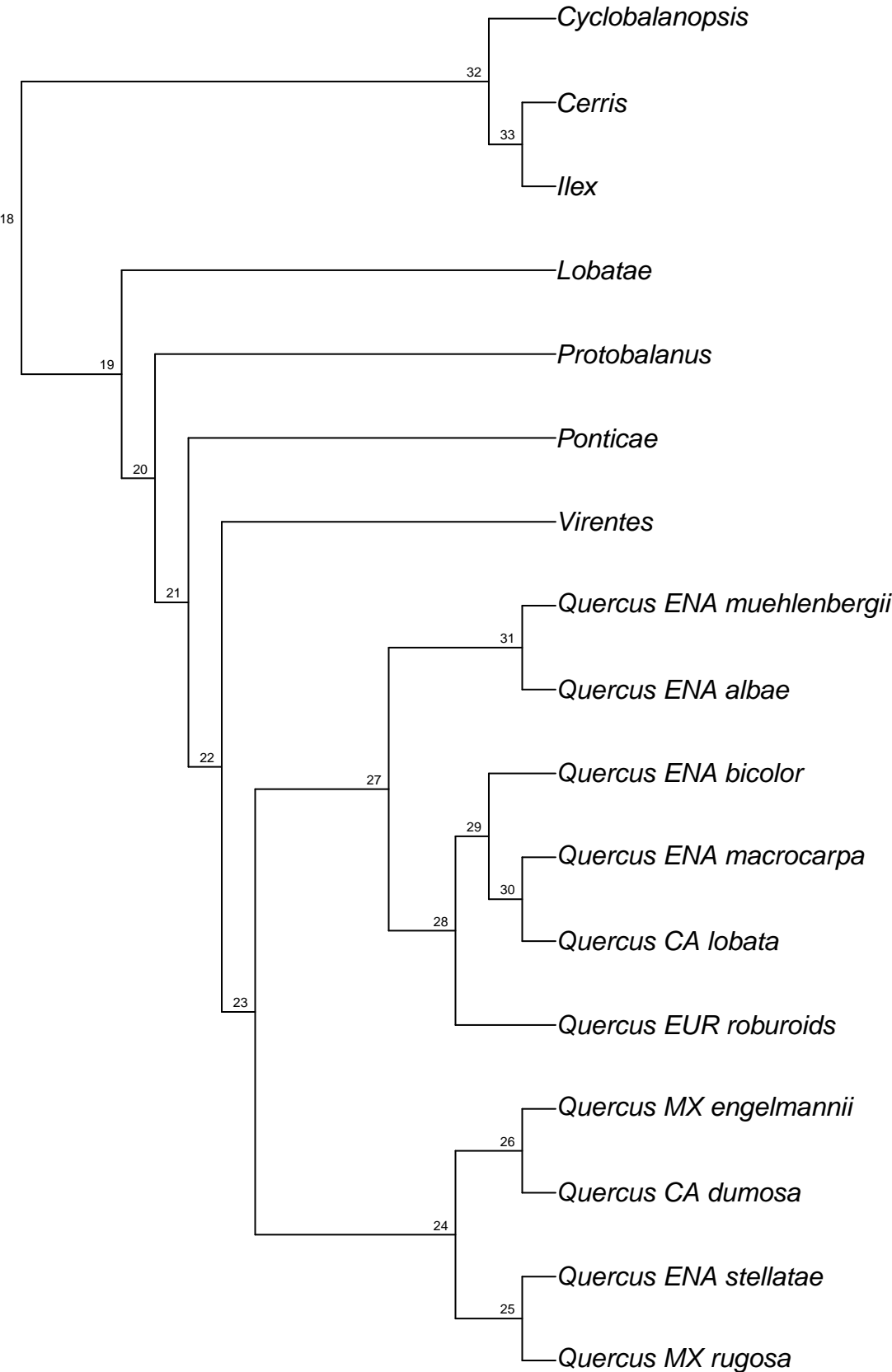


refRAD.ref\_tomentella\_raxml.bt077

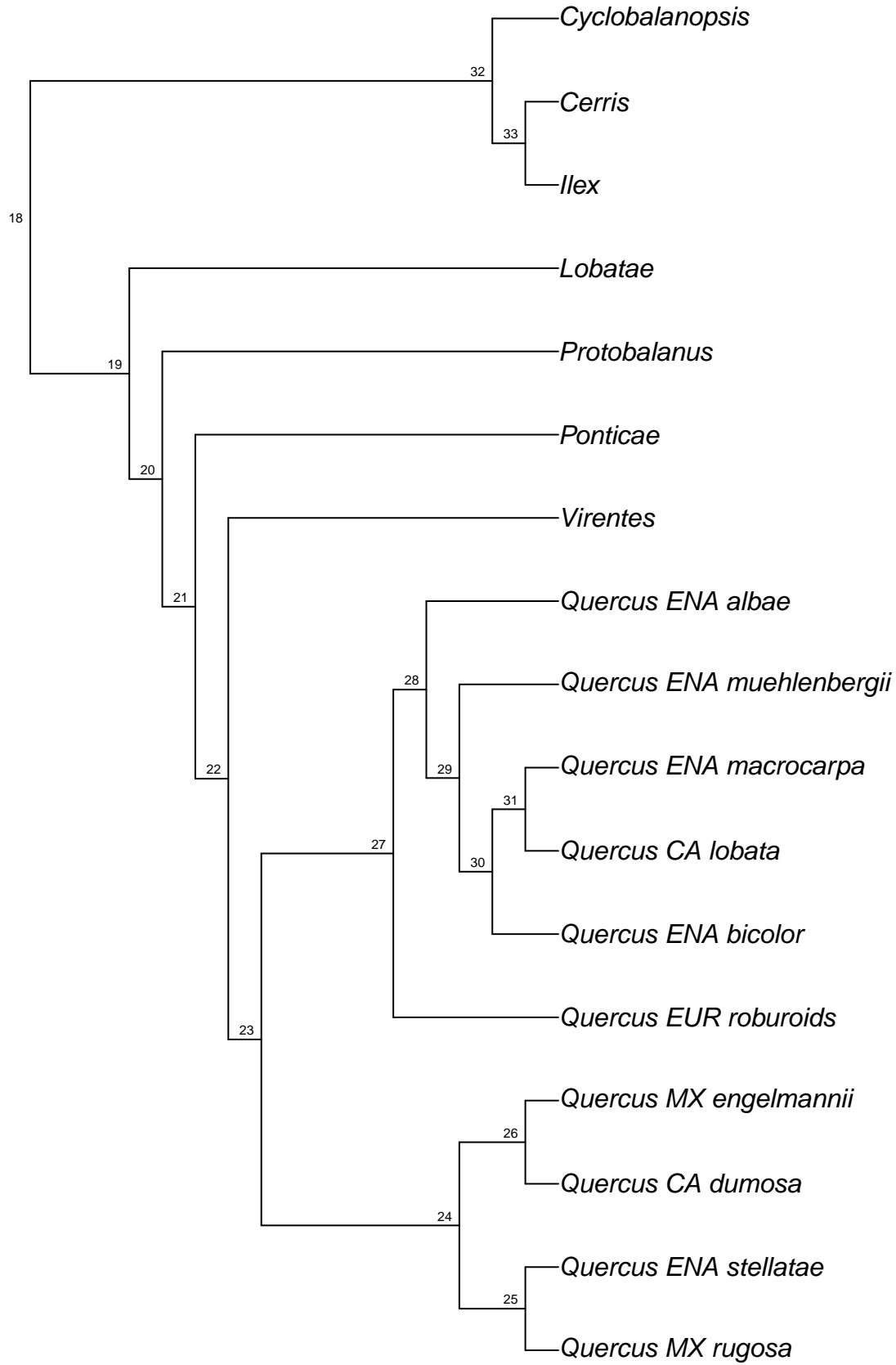




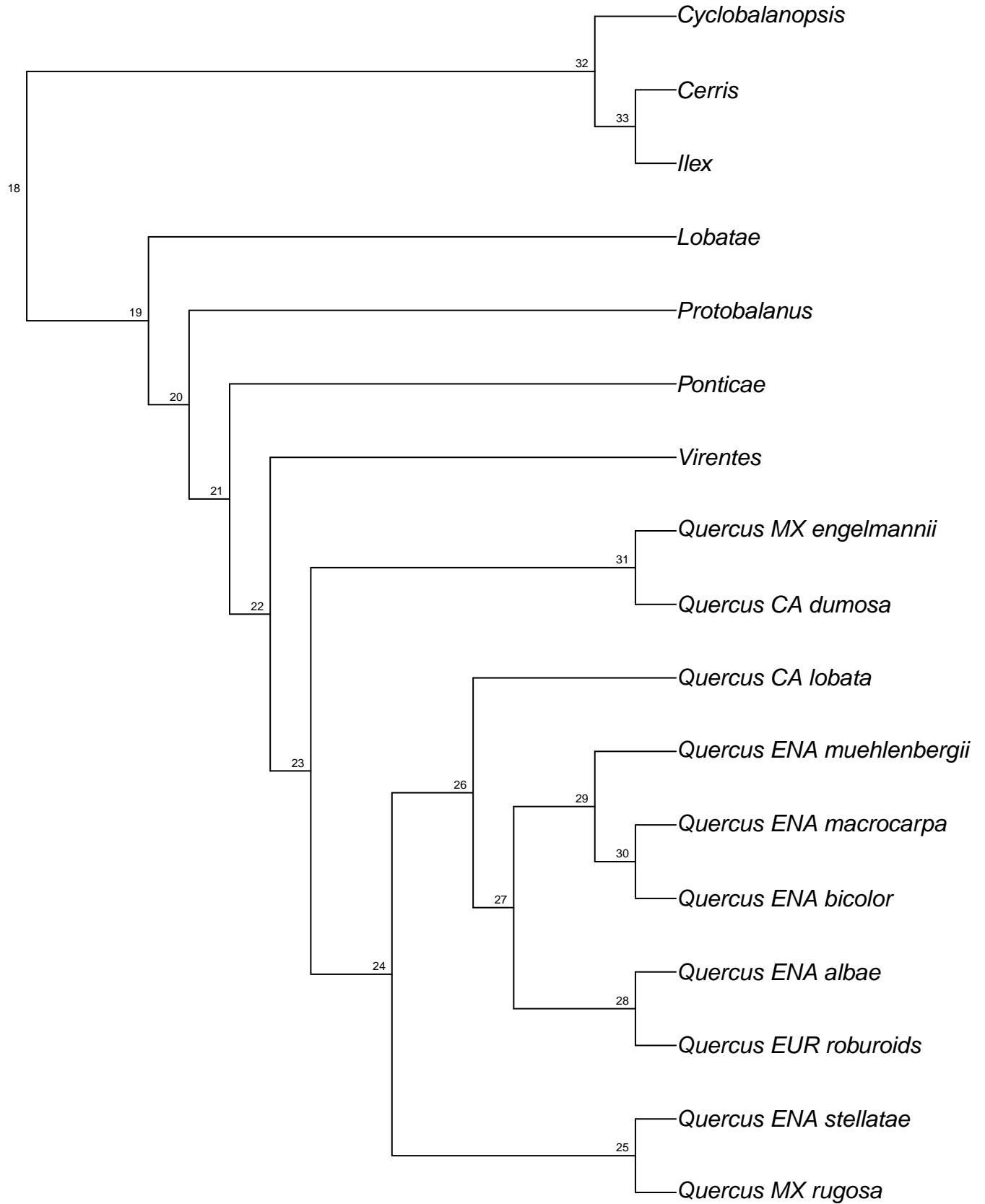
refRAD.ref\_tomentella\_raxml.bt078



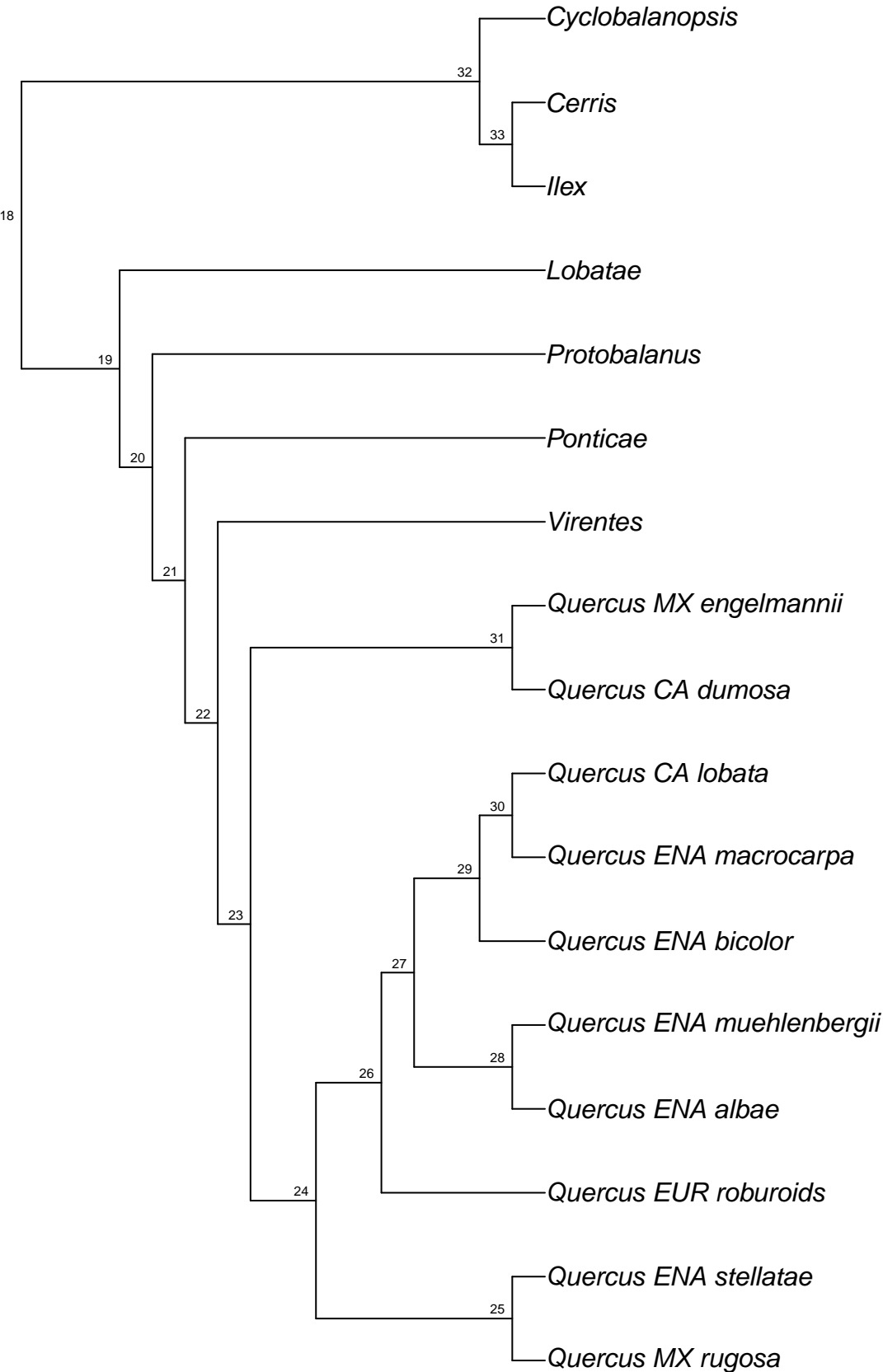
refRAD.ref\_tomentella\_raxml.bt079



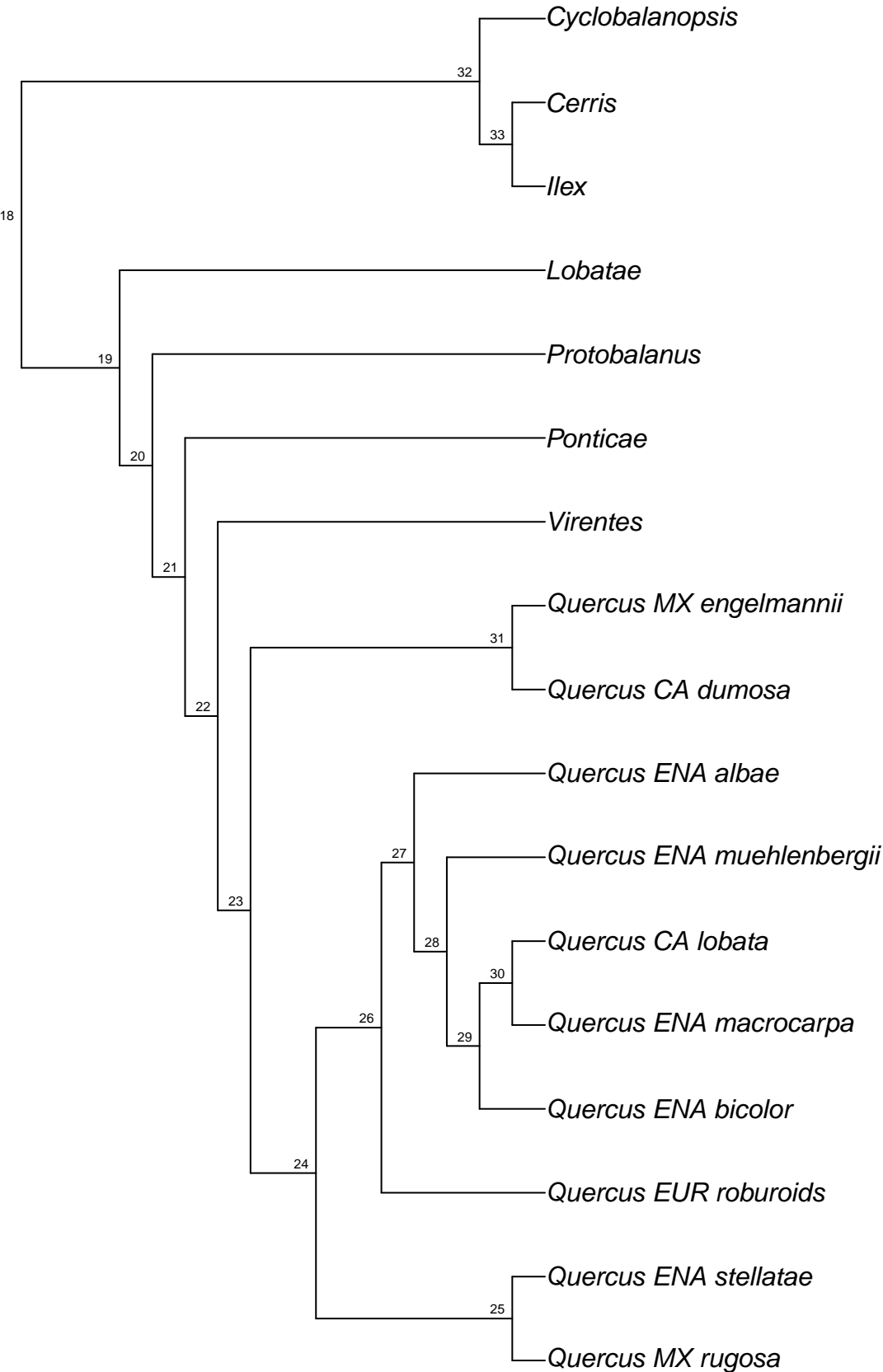
refRAD.ref\_tomentella\_raxml.bt080



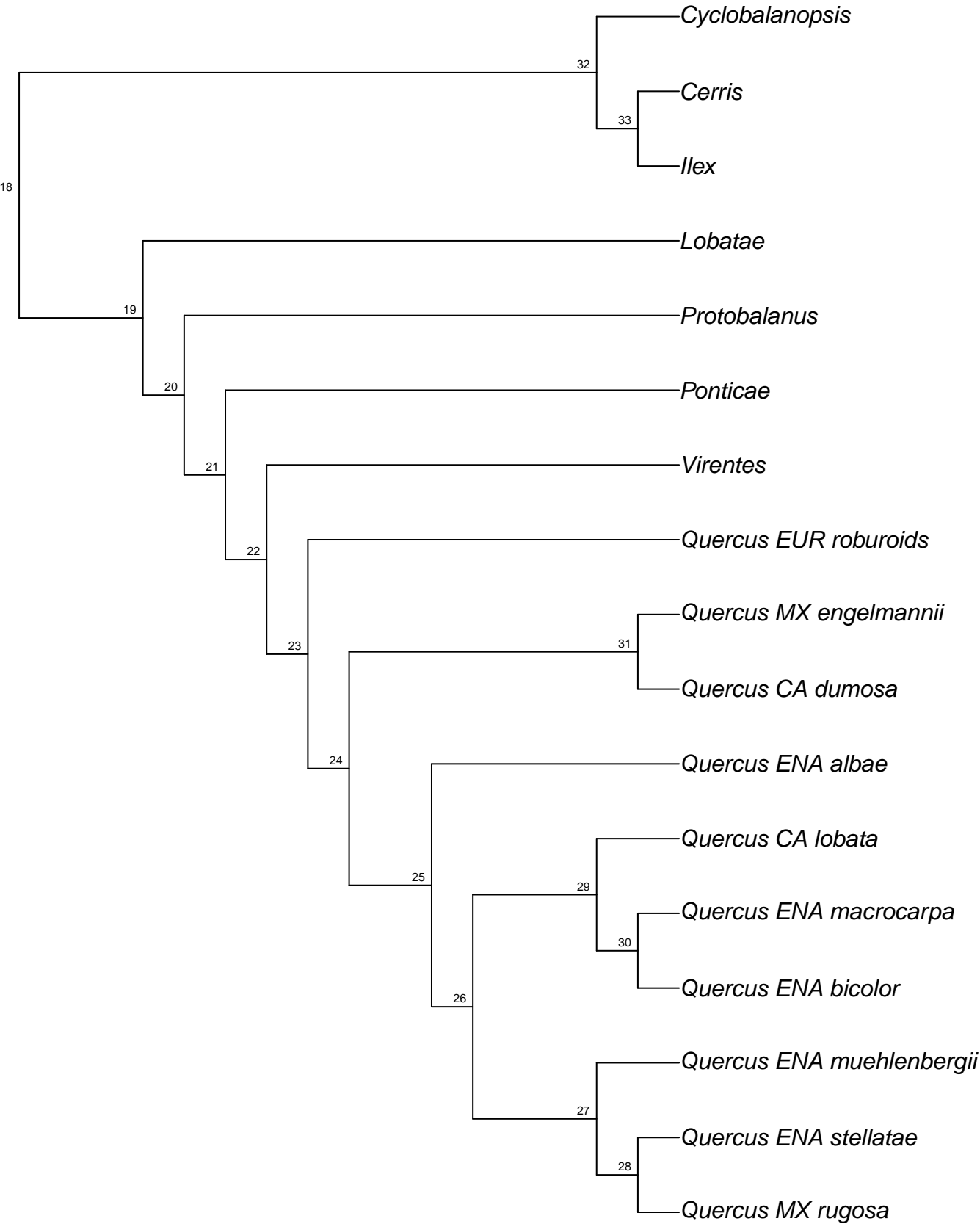
refRAD.ref\_tomentella\_raxml.bt081



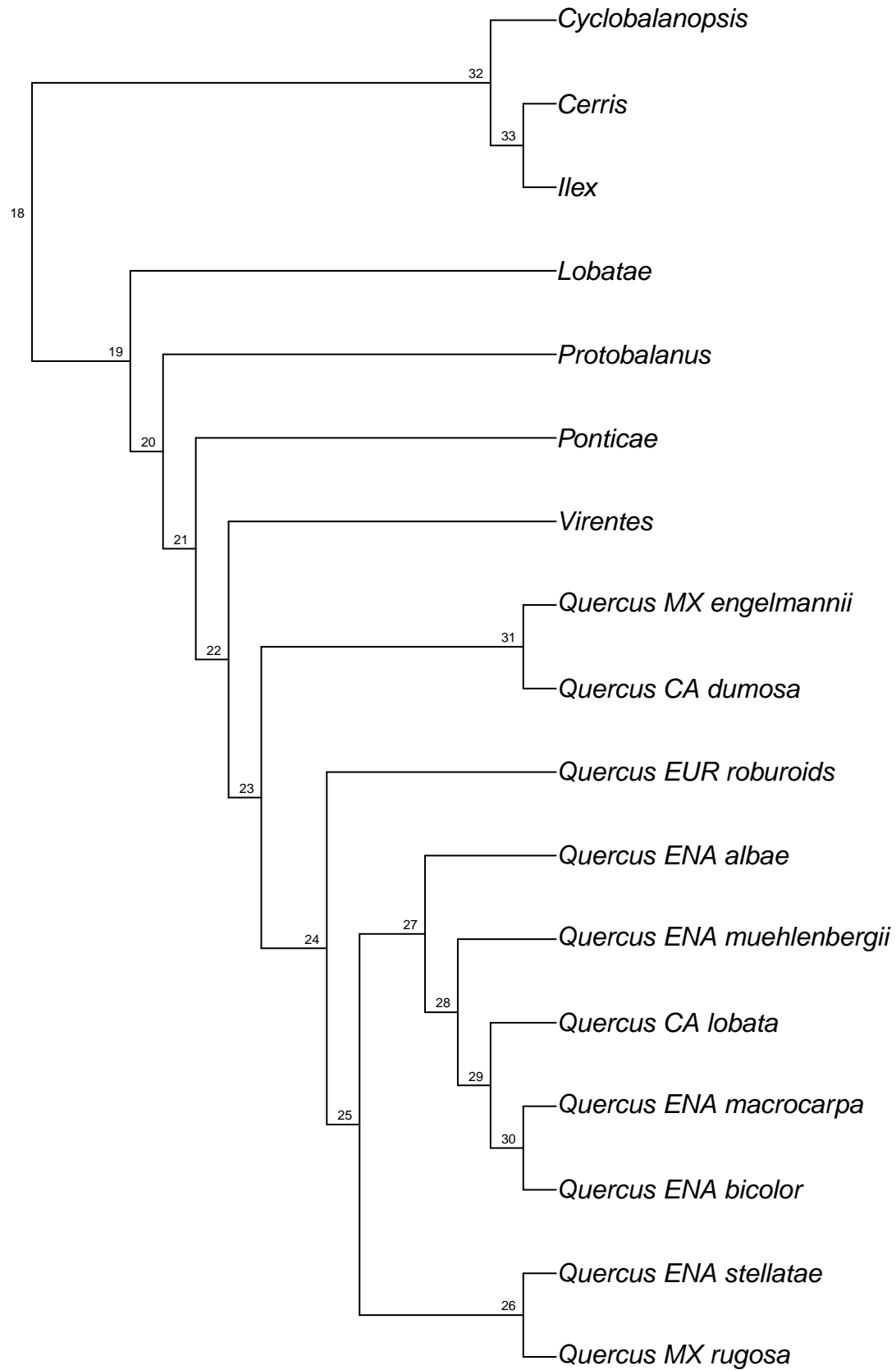
refRAD.ref\_tomentella\_raxml.bt082



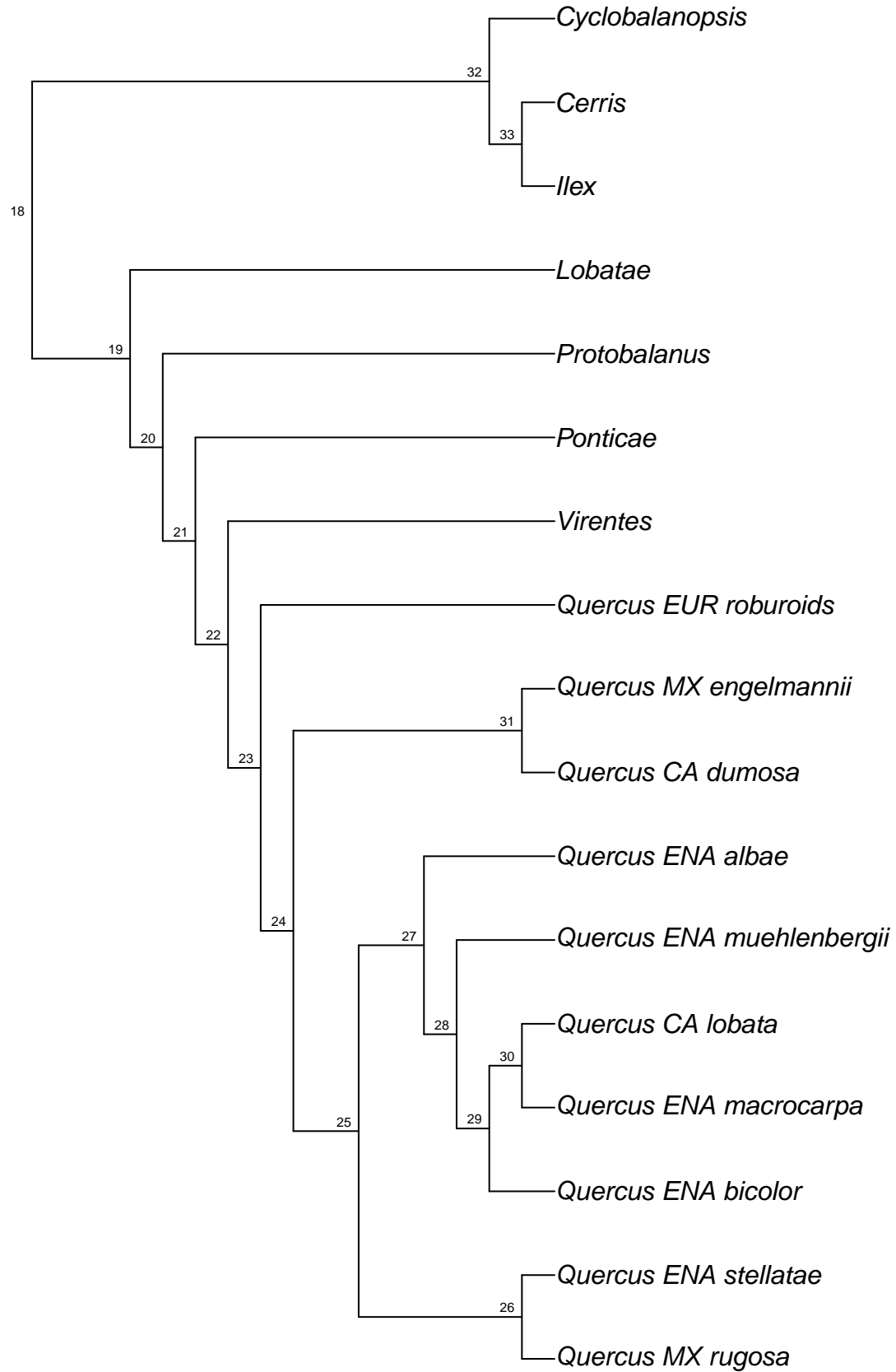
refRAD.ref\_tomentella\_raxml.bt083



## refRAD.ref\_tomentella\_raxml.bt084

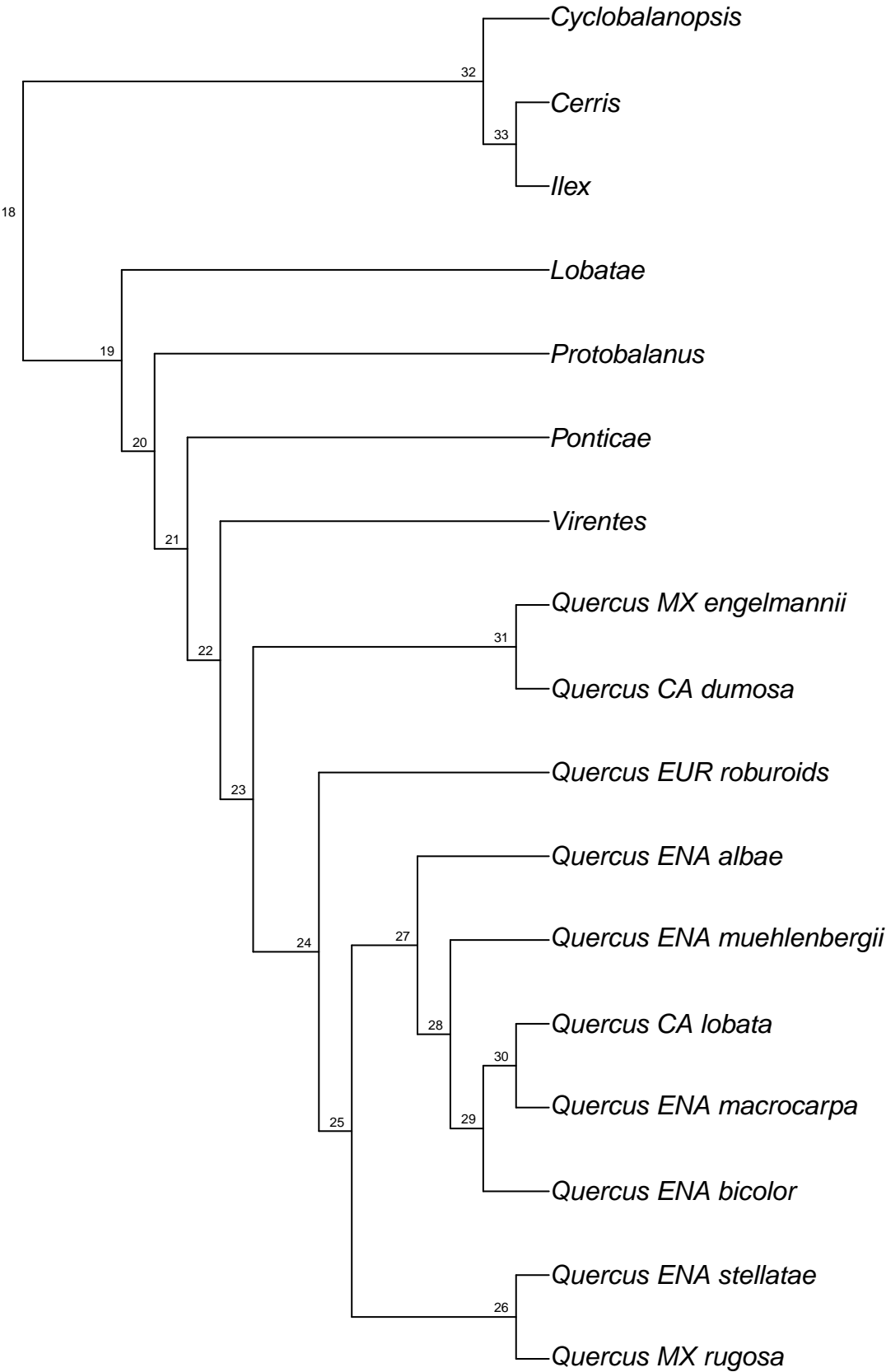


refRAD.ref\_tomentella\_raxml.bt085

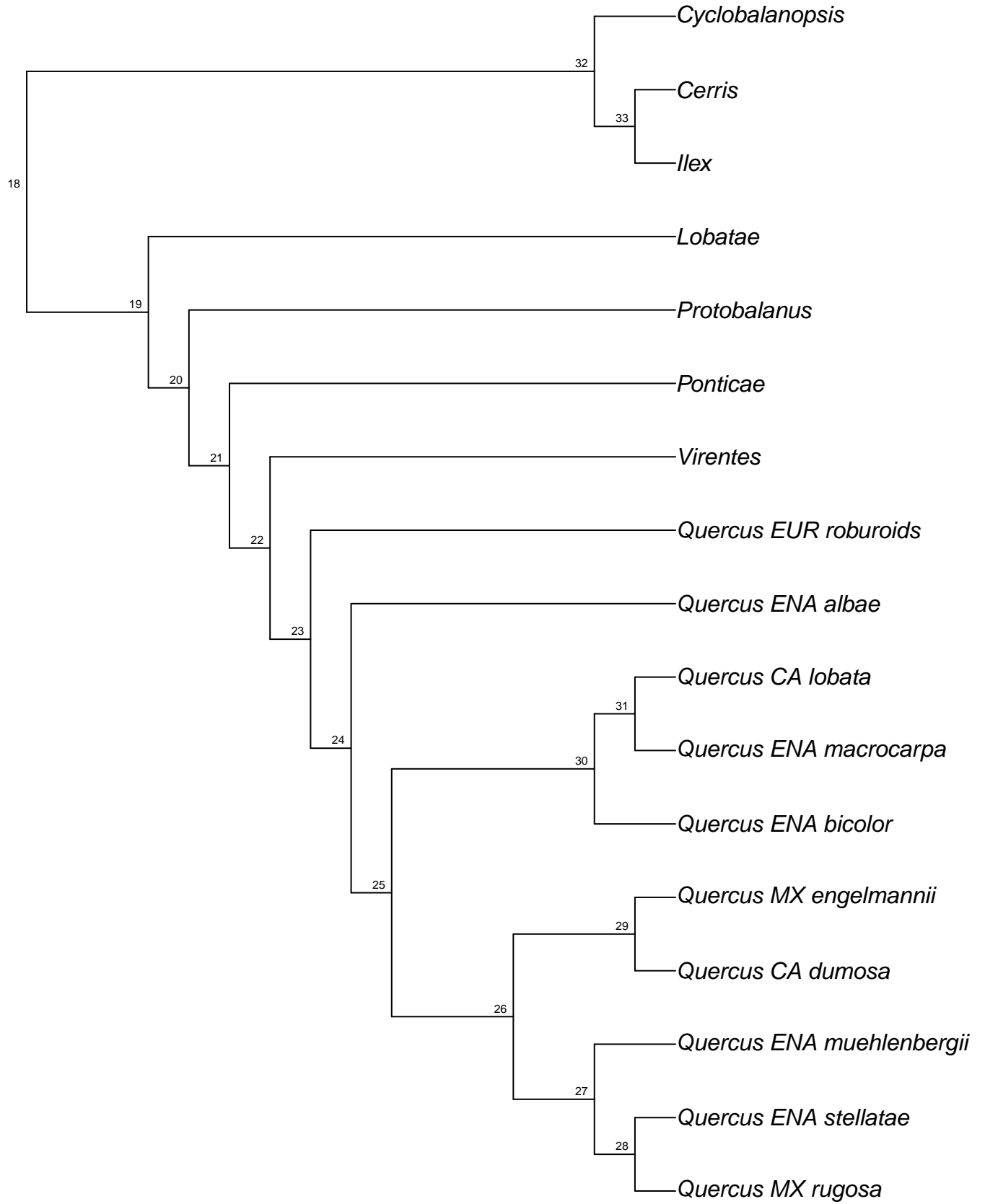




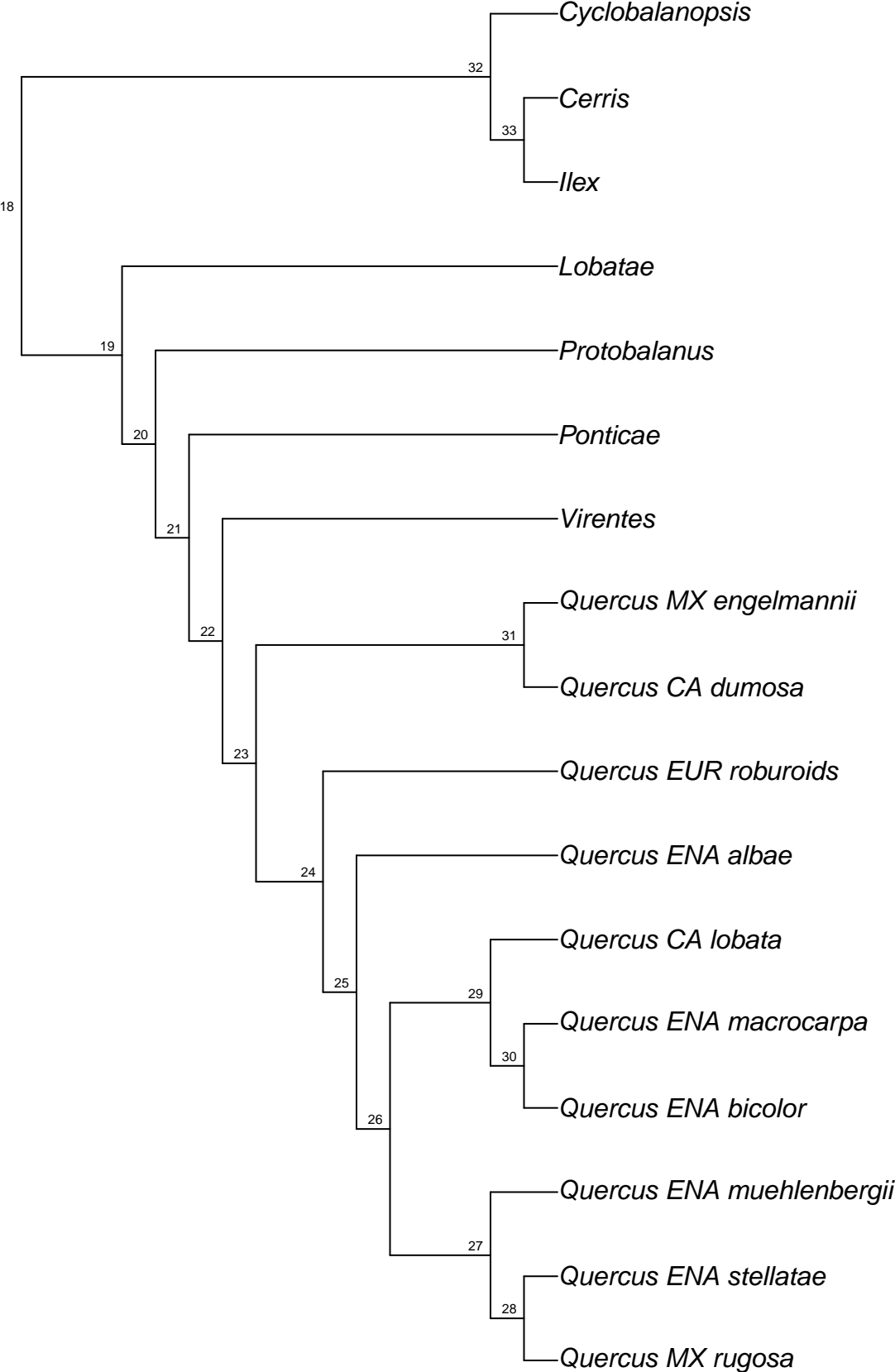
refRAD.ref\_tomentella\_raxml.bt086



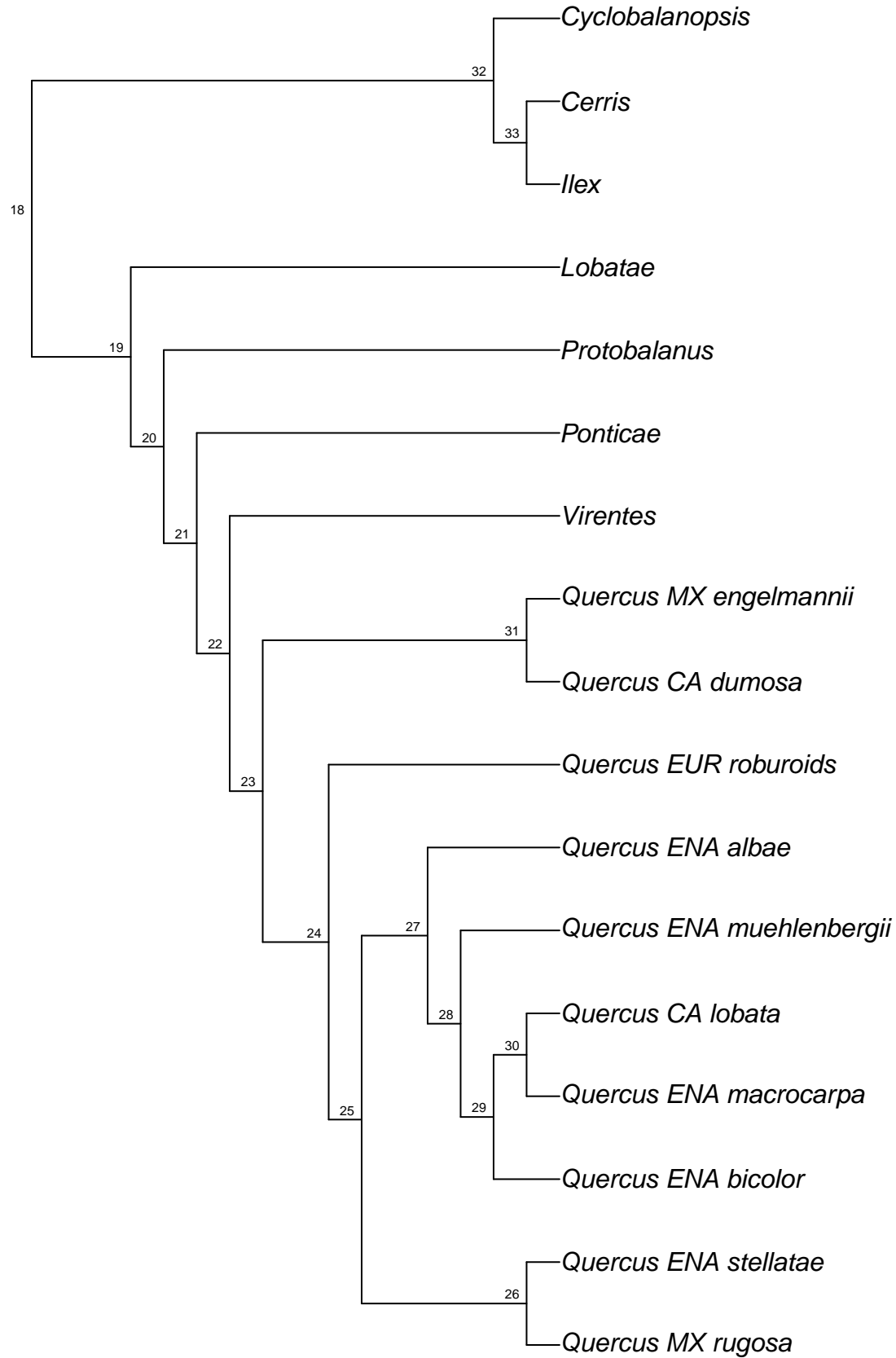
refRAD.ref\_tomentella\_raxml.bt087



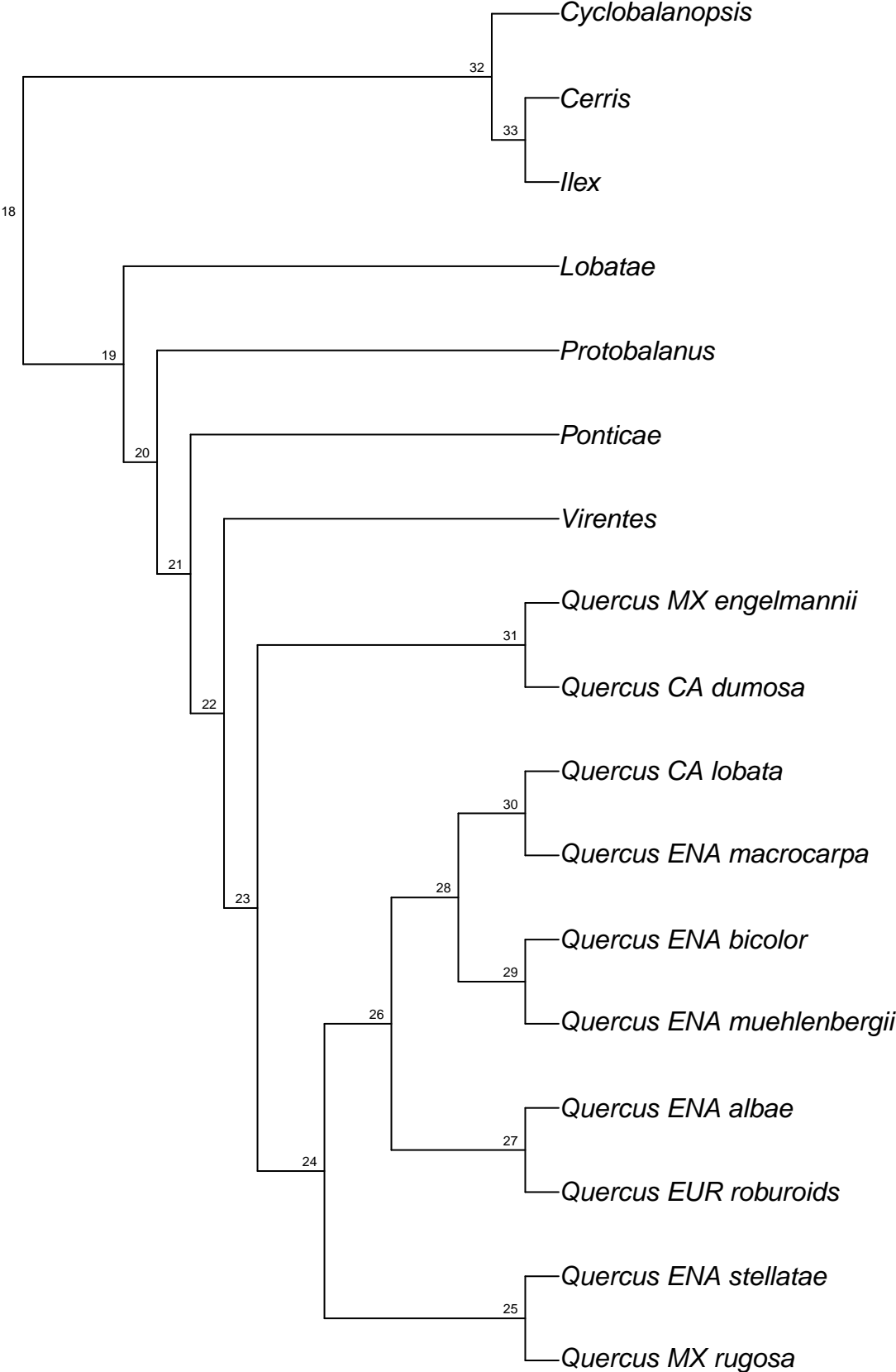
refRAD.ref\_tomentella\_raxml.bt088



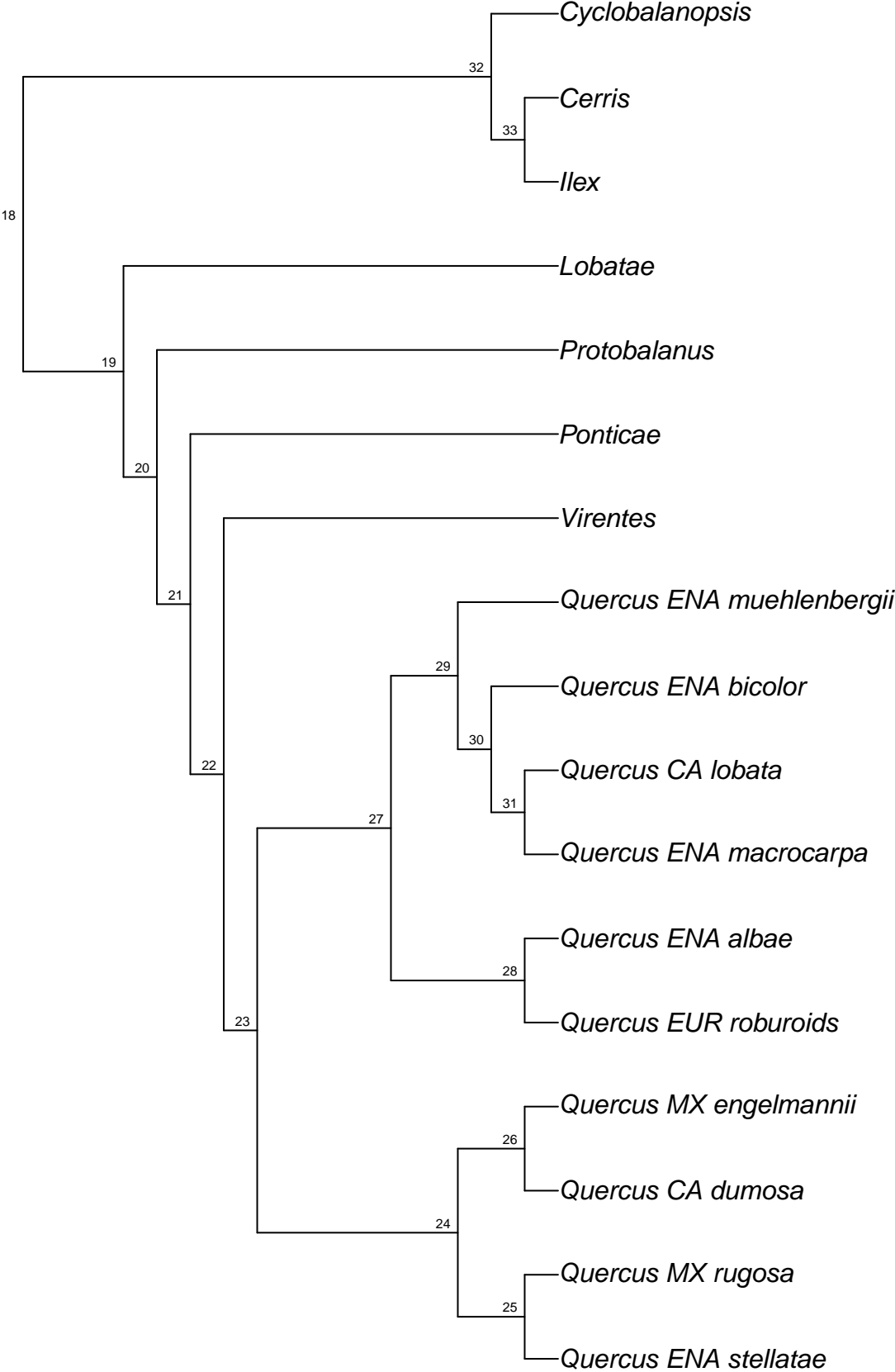
refRAD.ref\_tomentella\_raxml.bt089



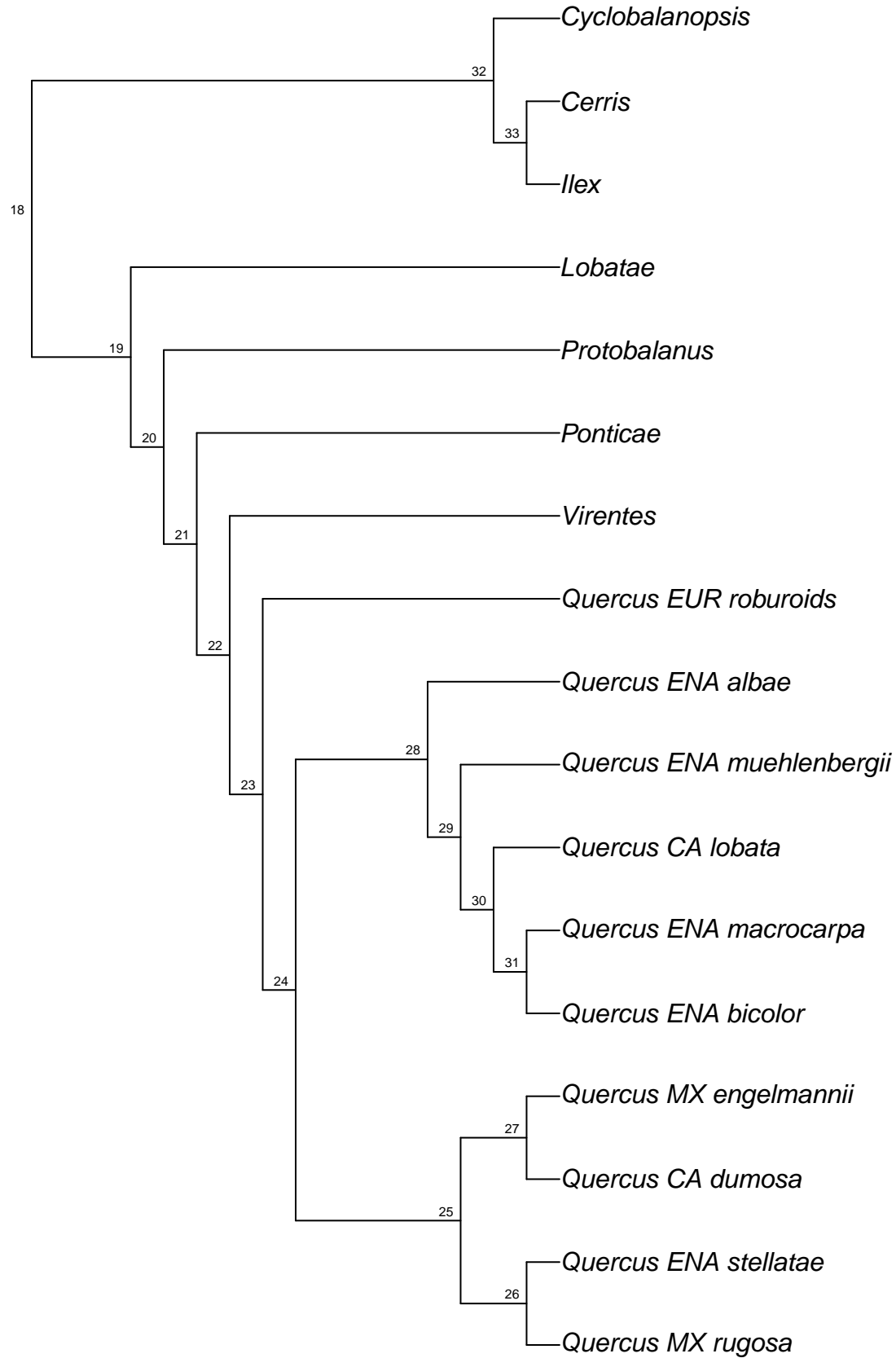
refRAD.ref\_tomentella\_raxml.bt090



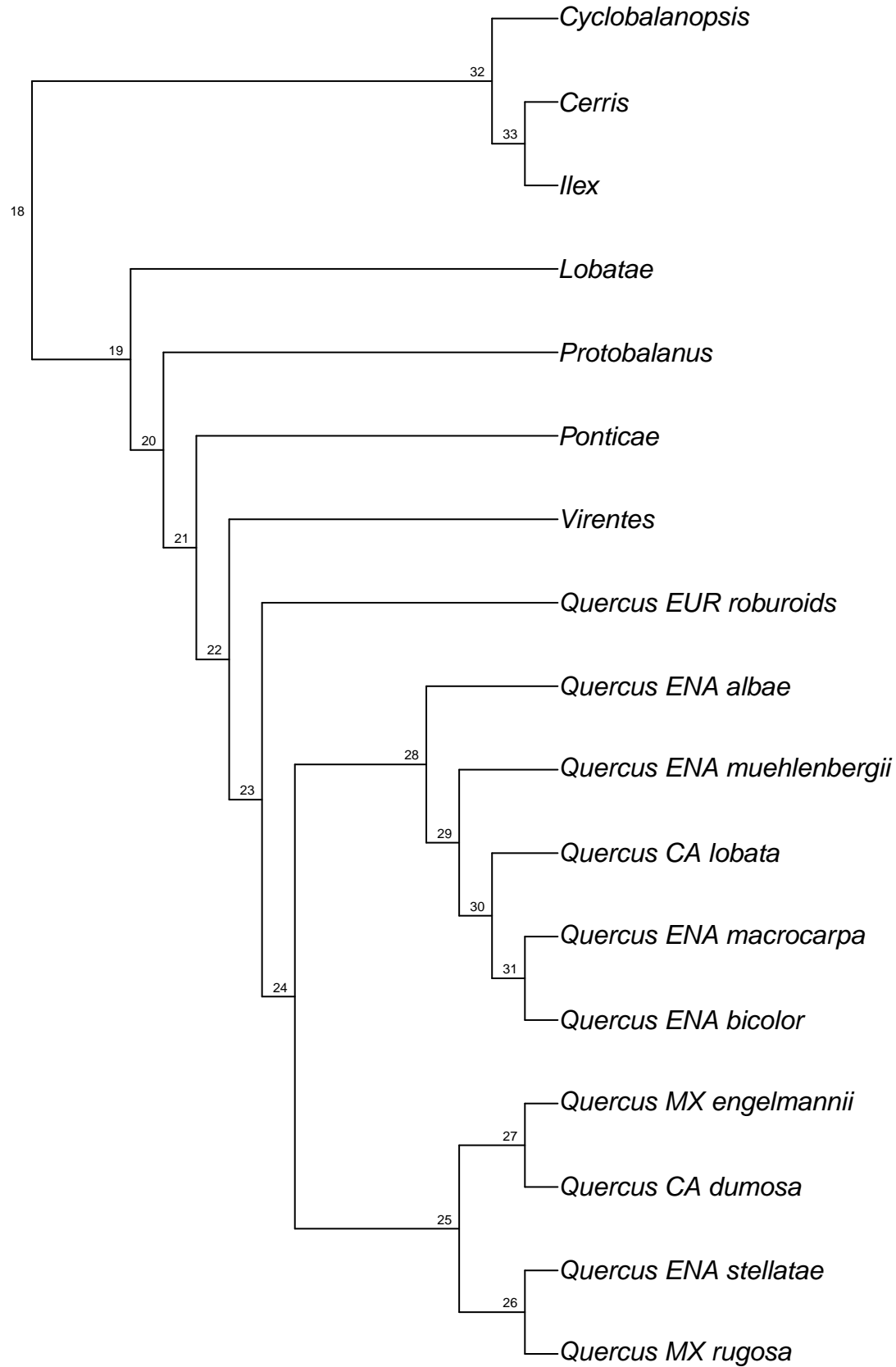
refRAD.ref\_tomentella\_raxml.bt091



refRAD.ref\_tomentella\_raxml.bt092

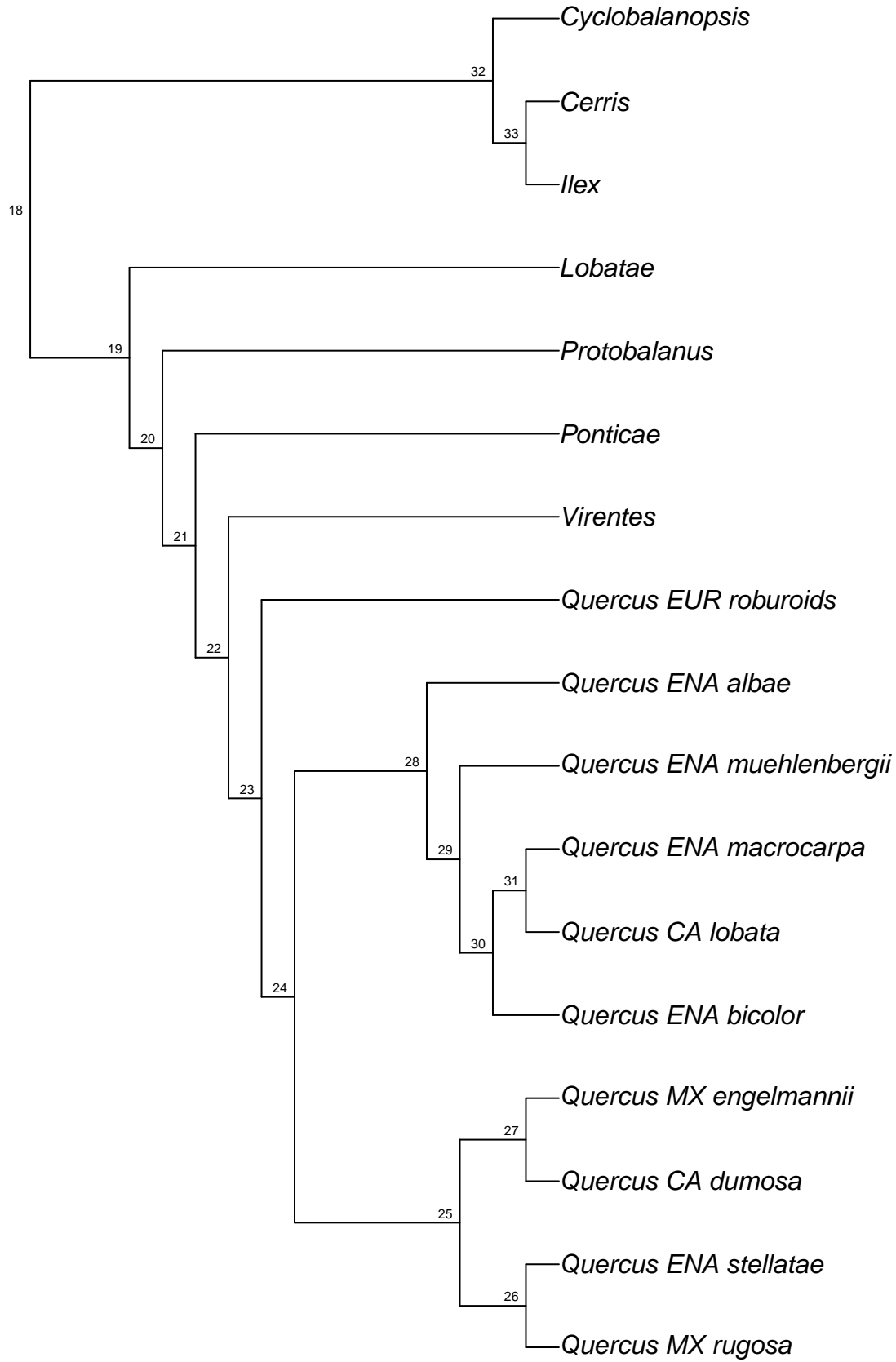


refRAD.ref\_tomentella\_raxml.bt093

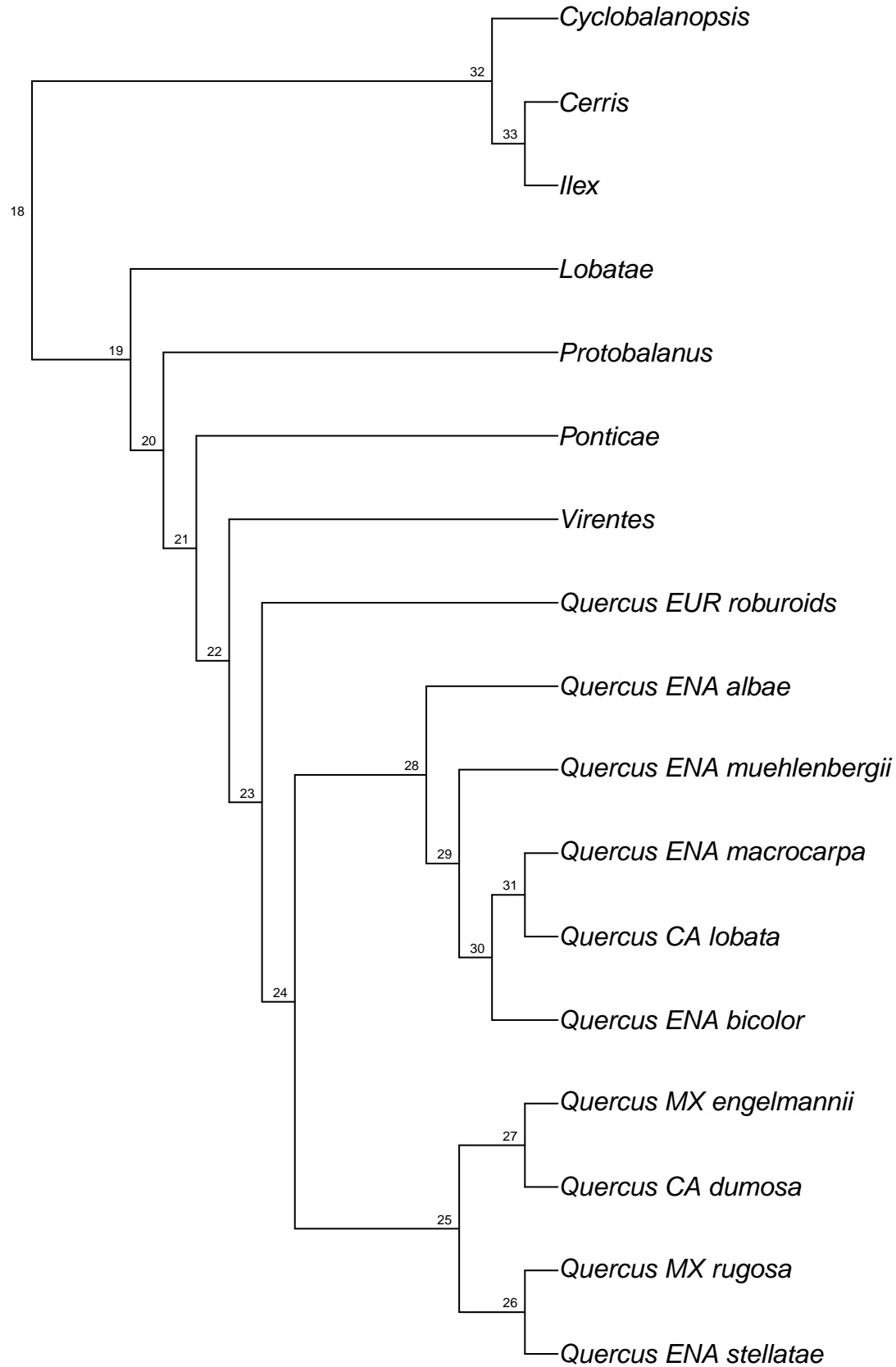




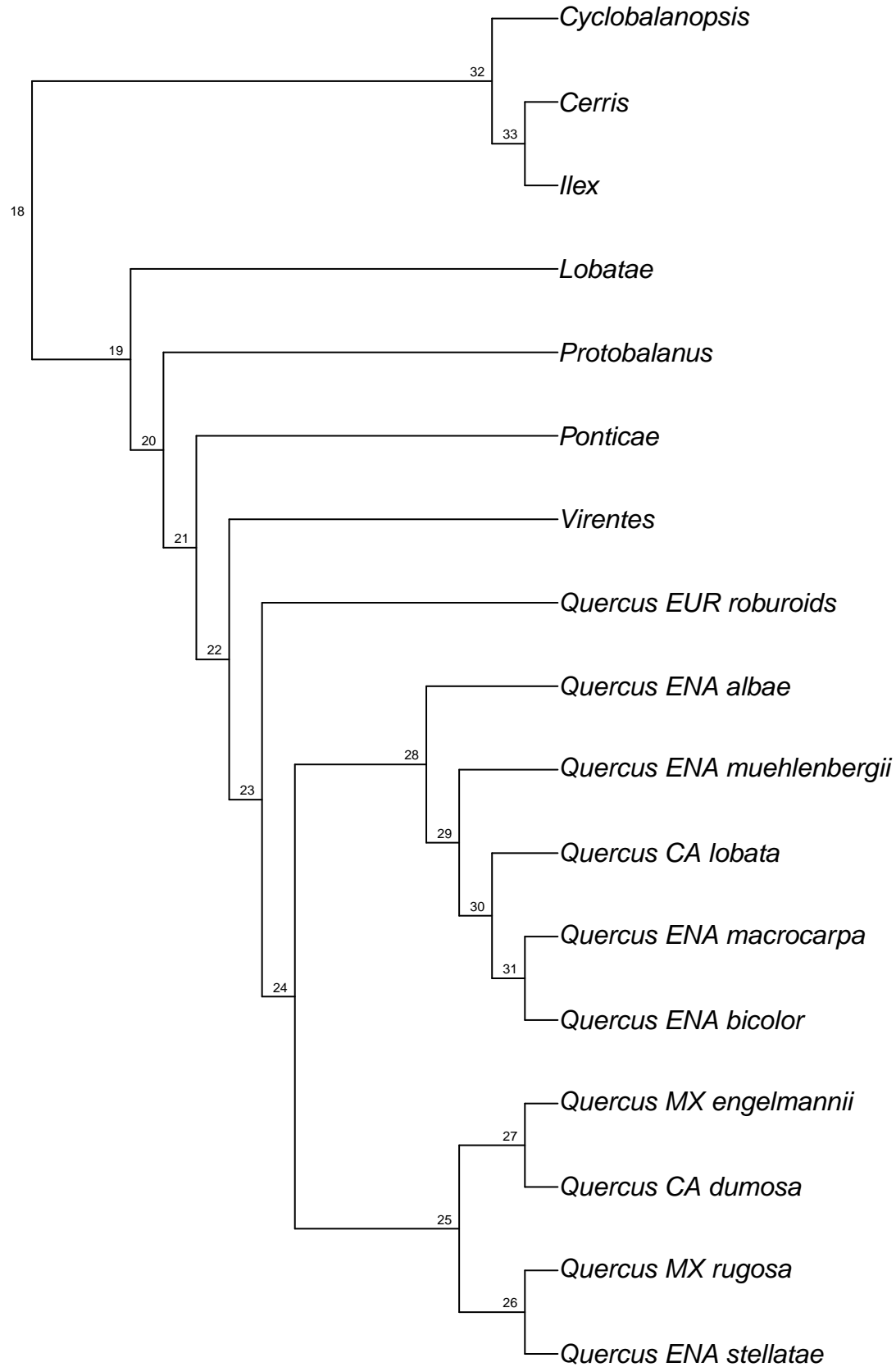
refRAD.ref\_tomentella\_raxml.bt094



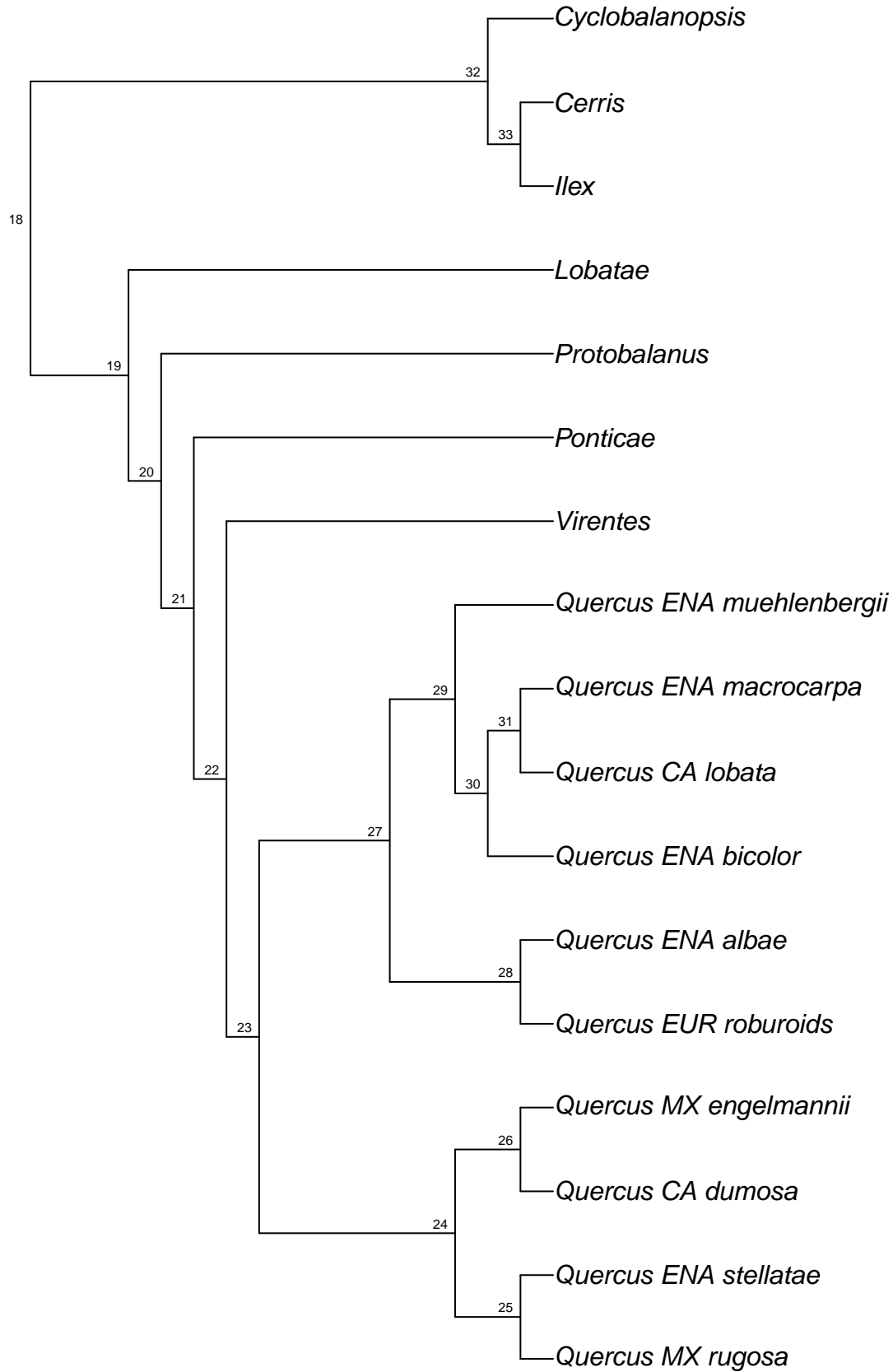
refRAD.ref\_tomentella\_raxml.bt095



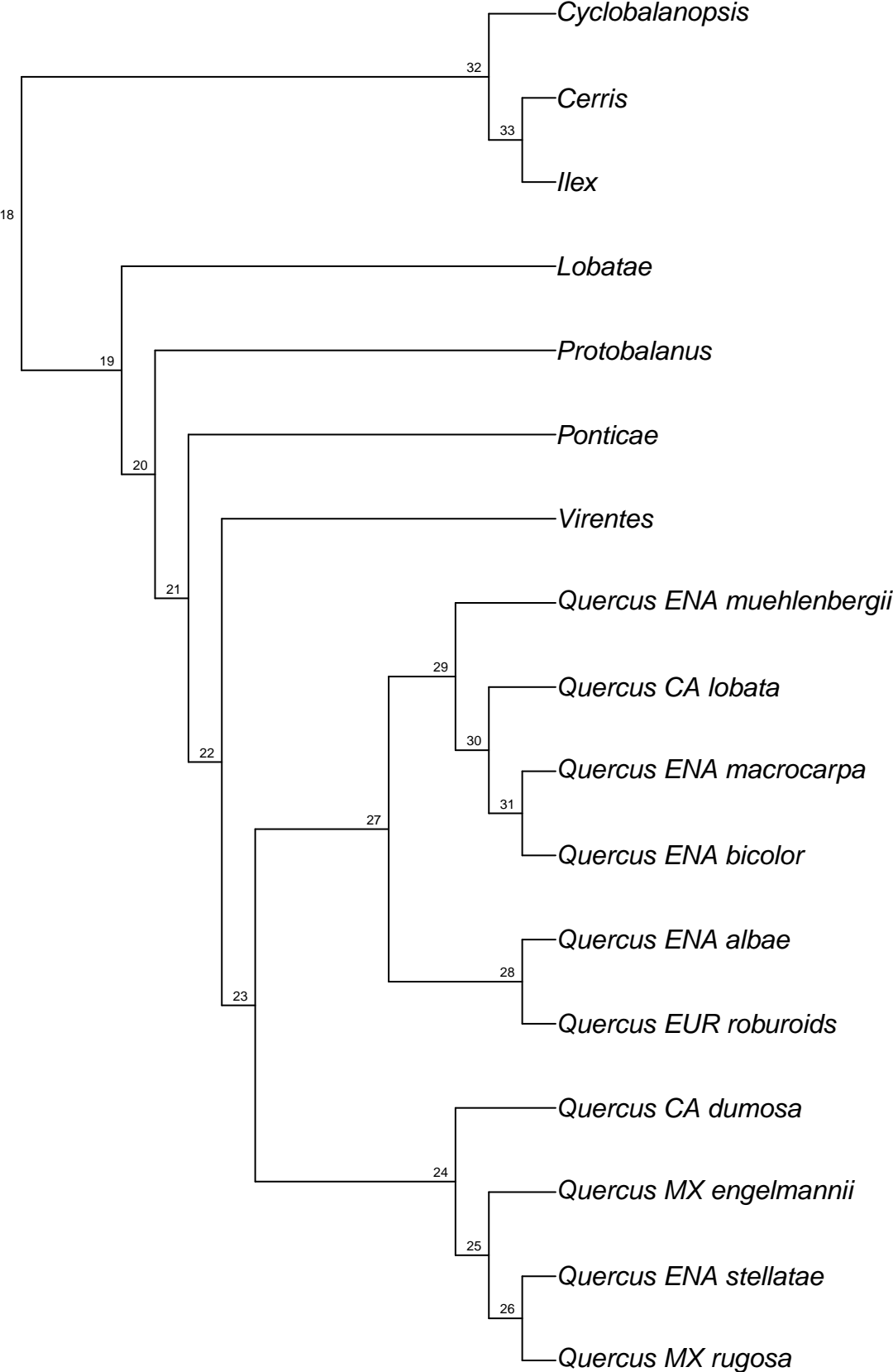
refRAD.ref\_tomentella\_raxml.bt096



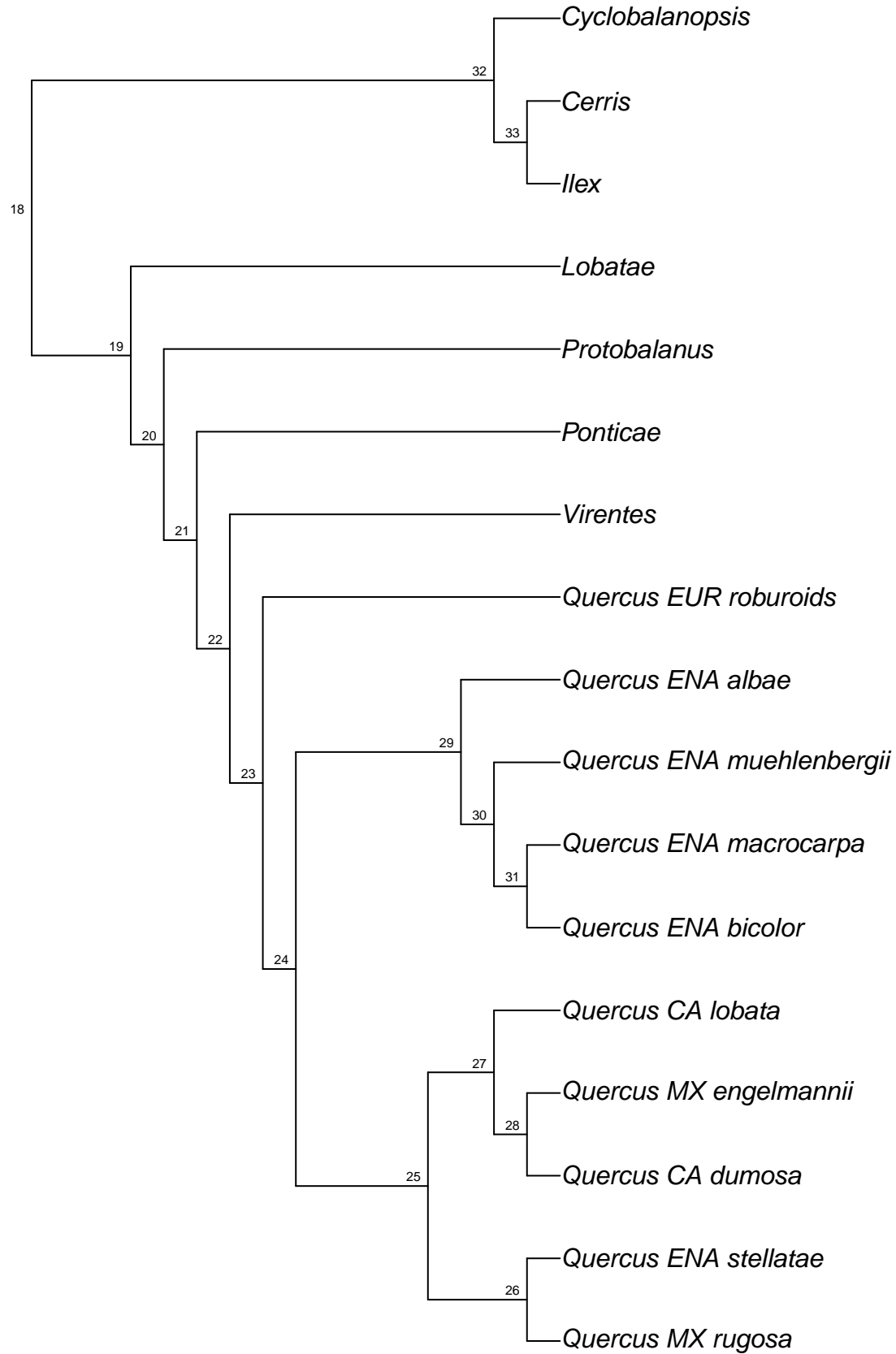
refRAD.ref\_tomentella\_raxml.bt097



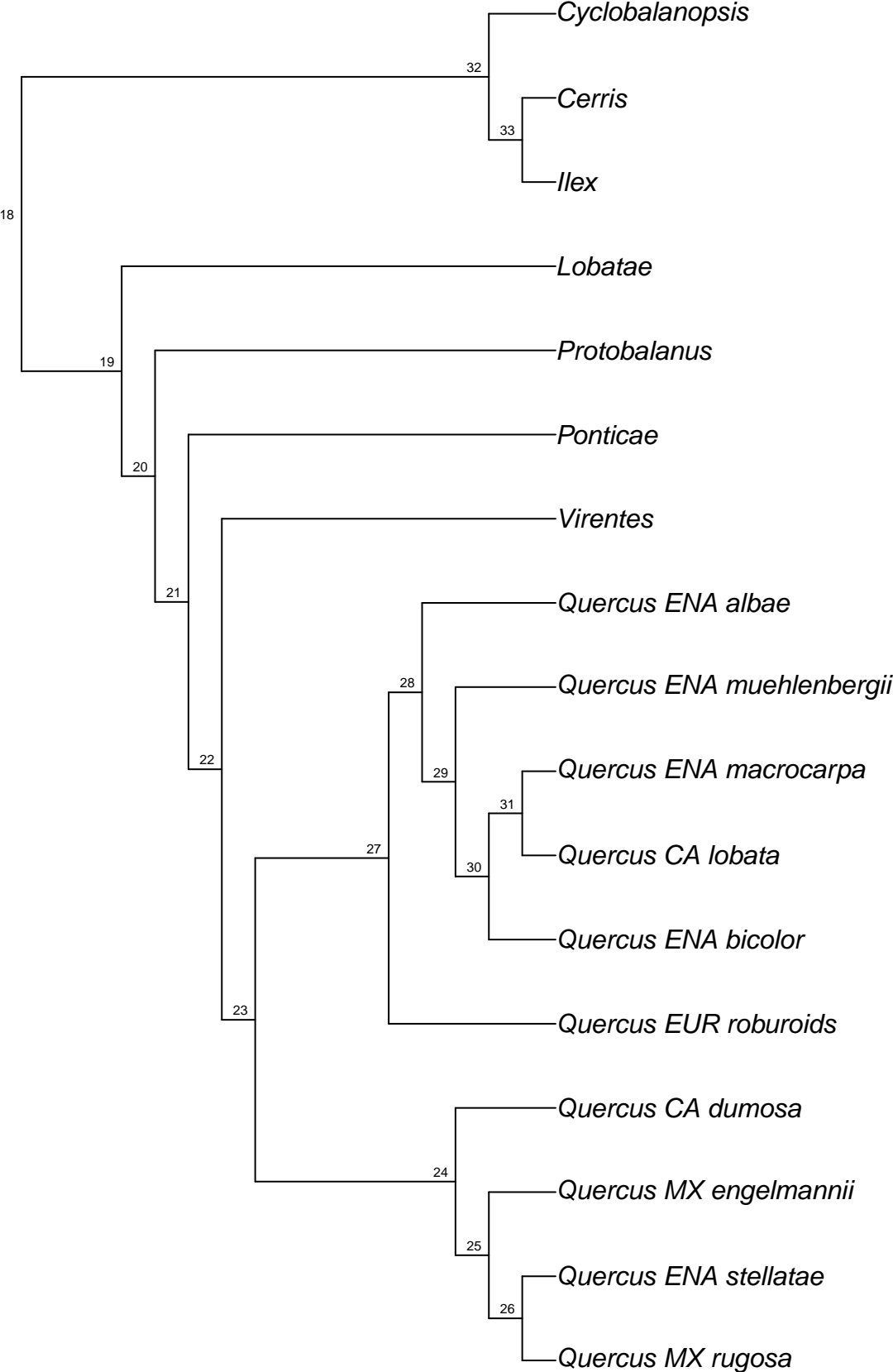
refRAD.ref\_tomentella\_raxml.bt098



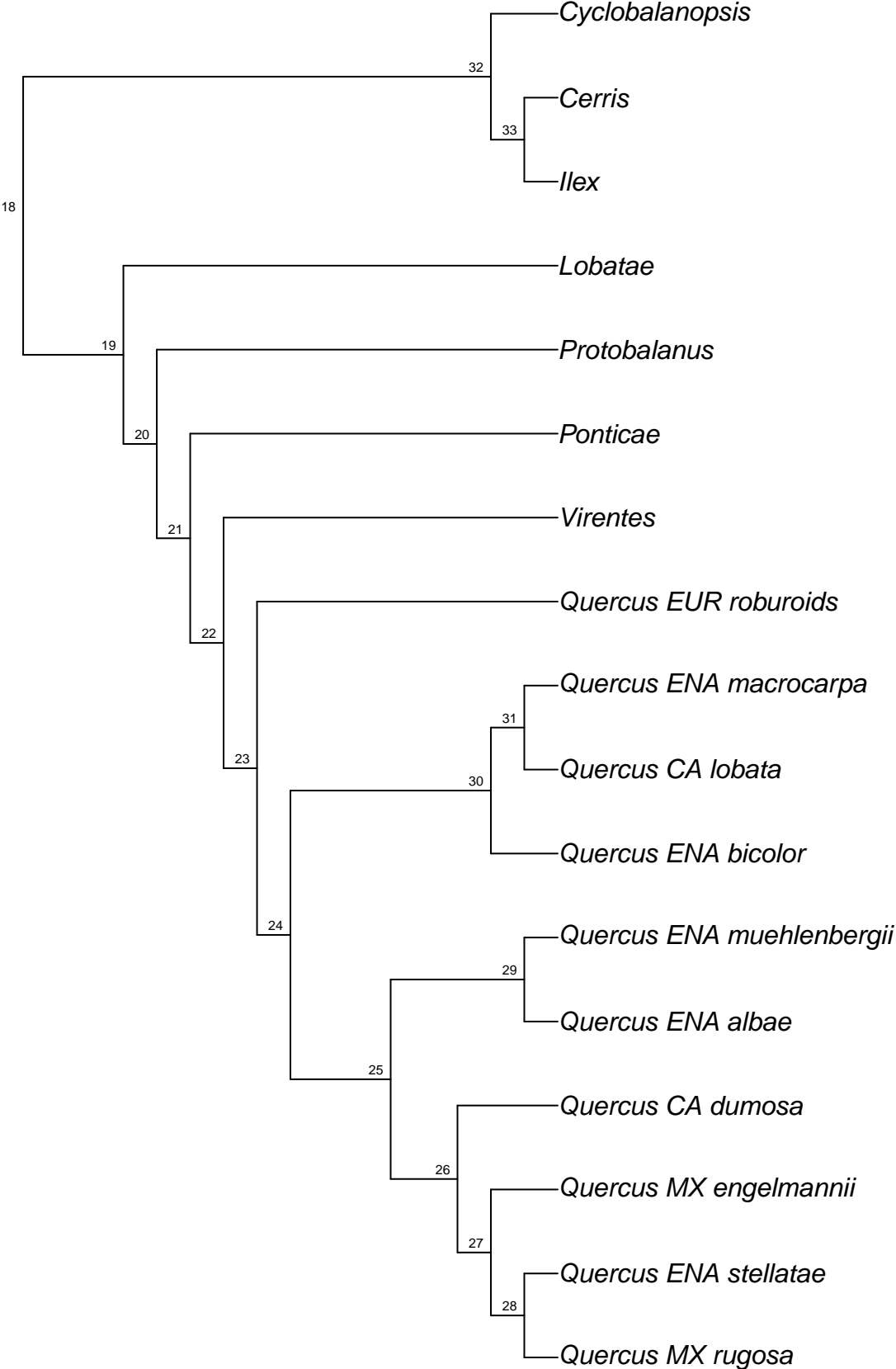
refRAD.ref\_tomentella\_raxml.bt099



refRAD.ref\_tomentella\_raxml.bt100

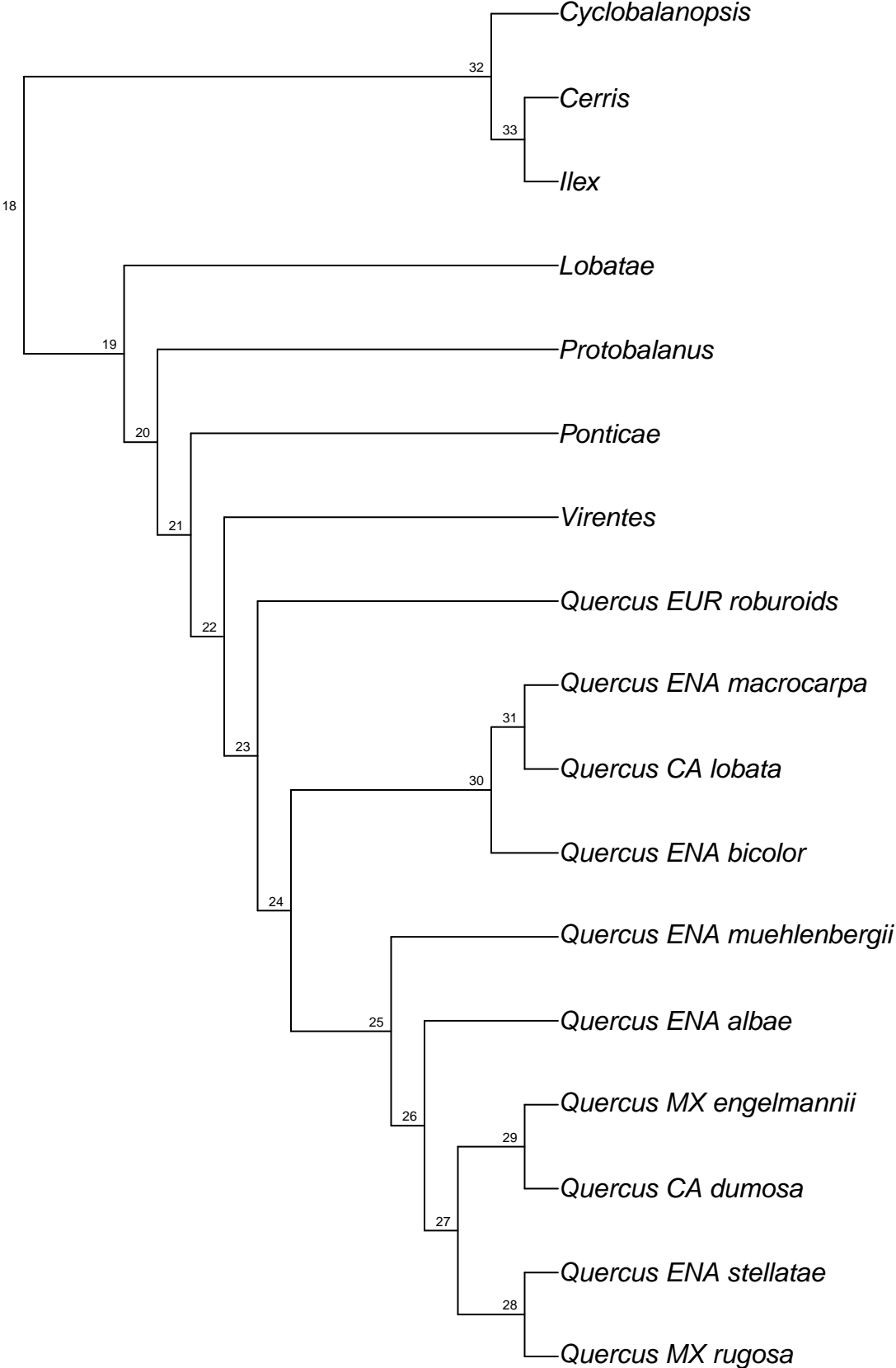


refRAD.ref\_variabilis\_raxml.bt001

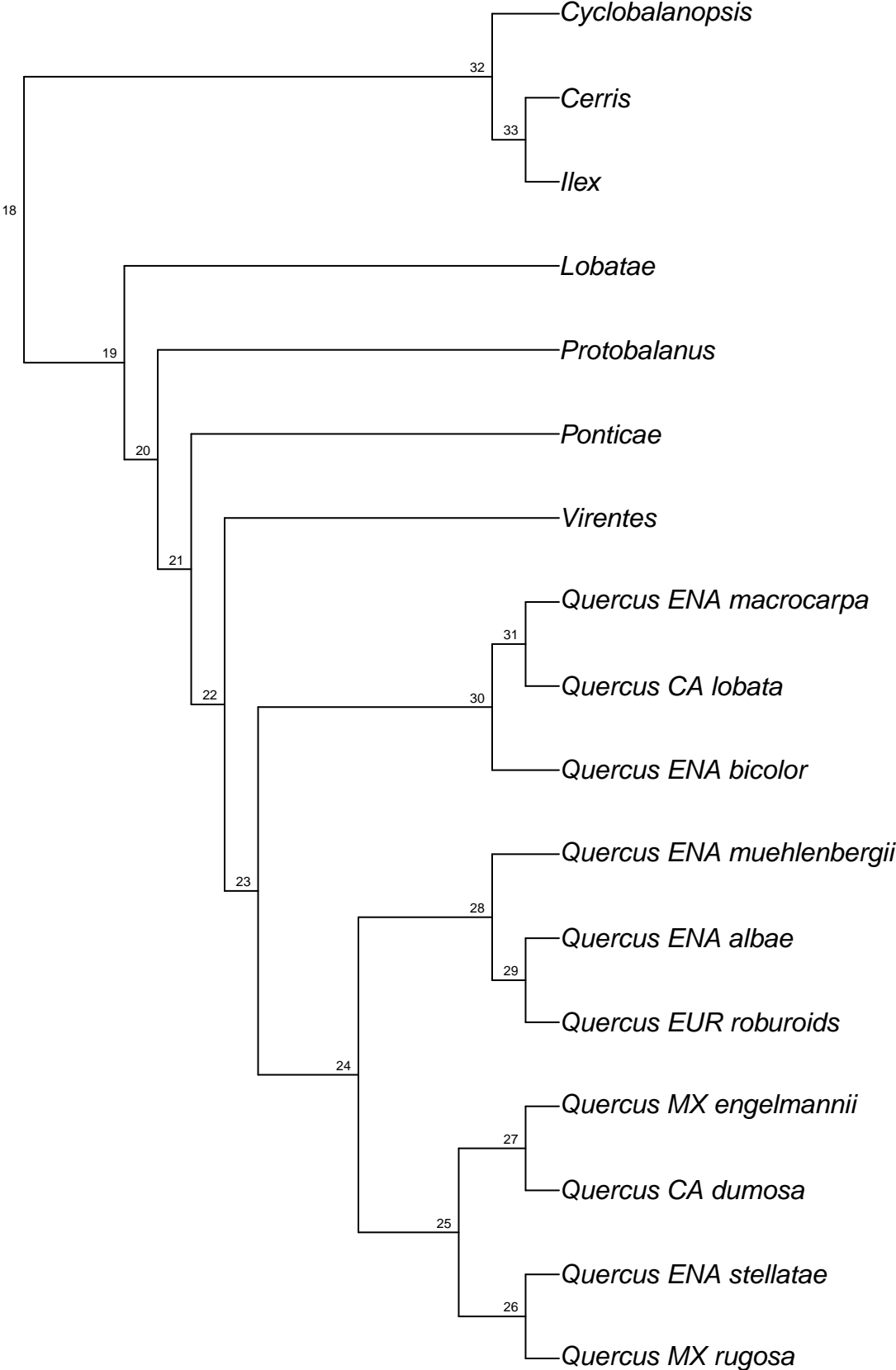




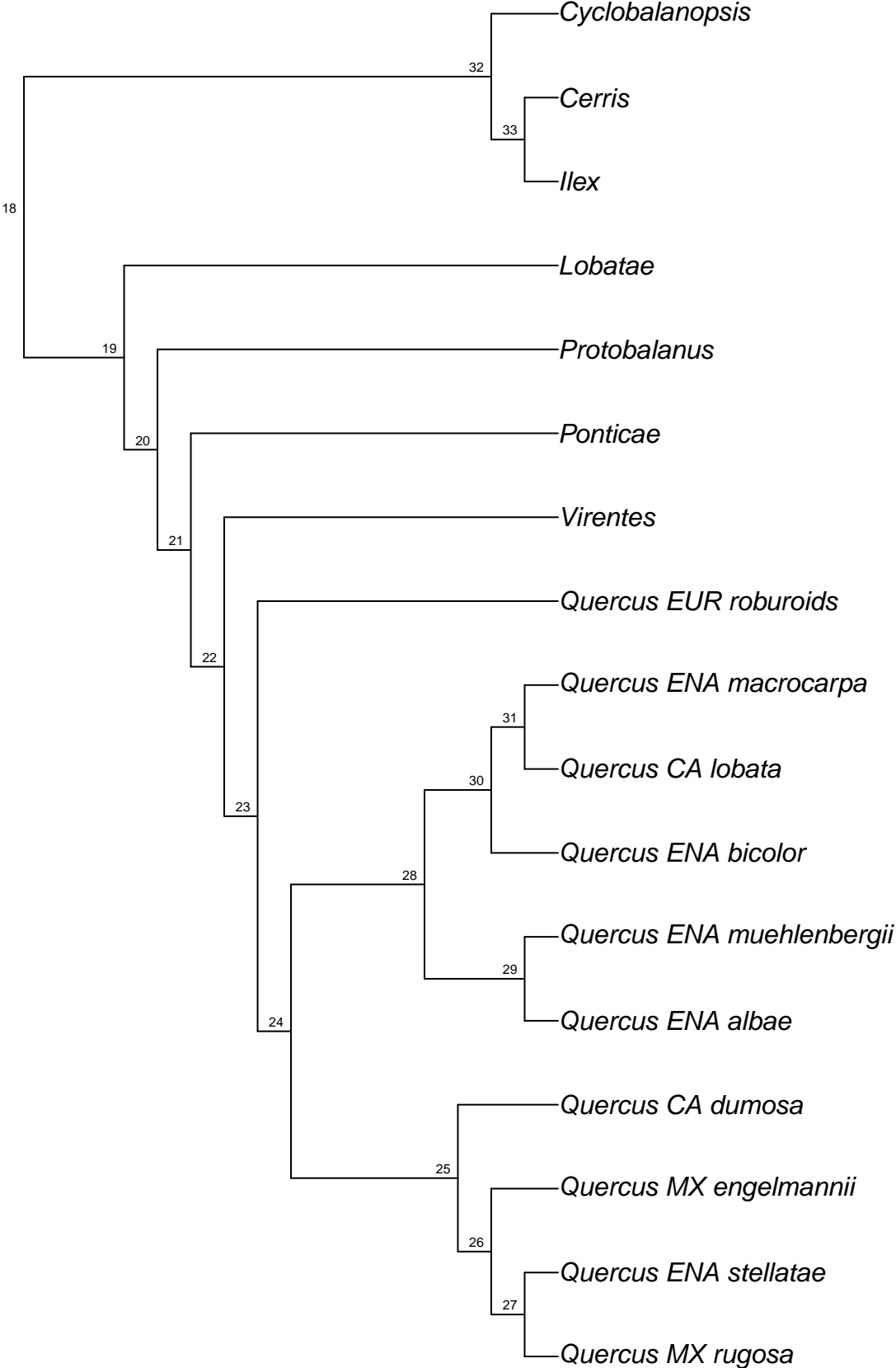
refRAD.ref\_variabilis\_raxml.bt002



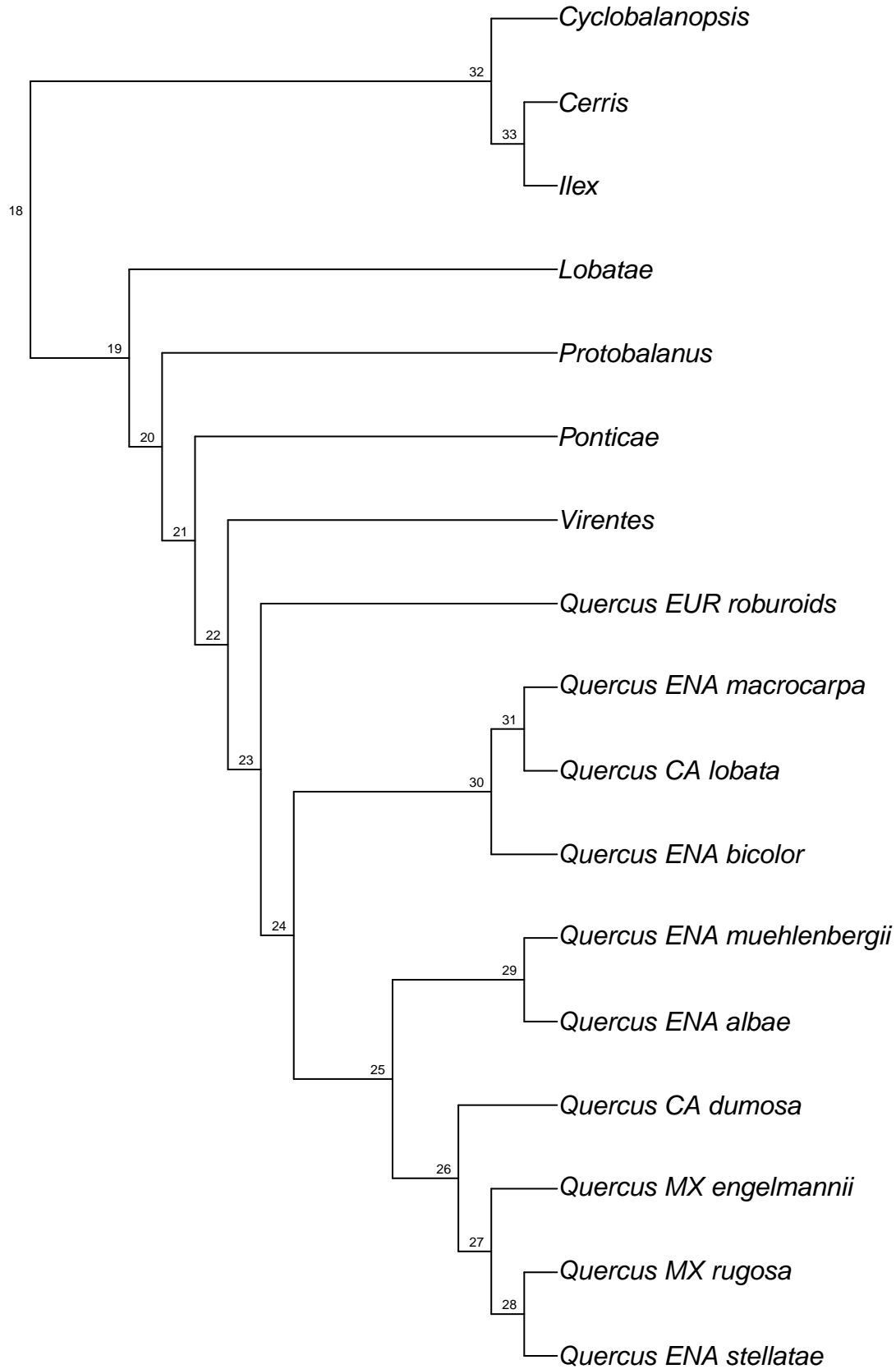
refRAD.ref\_variabilis\_raxml.bt003



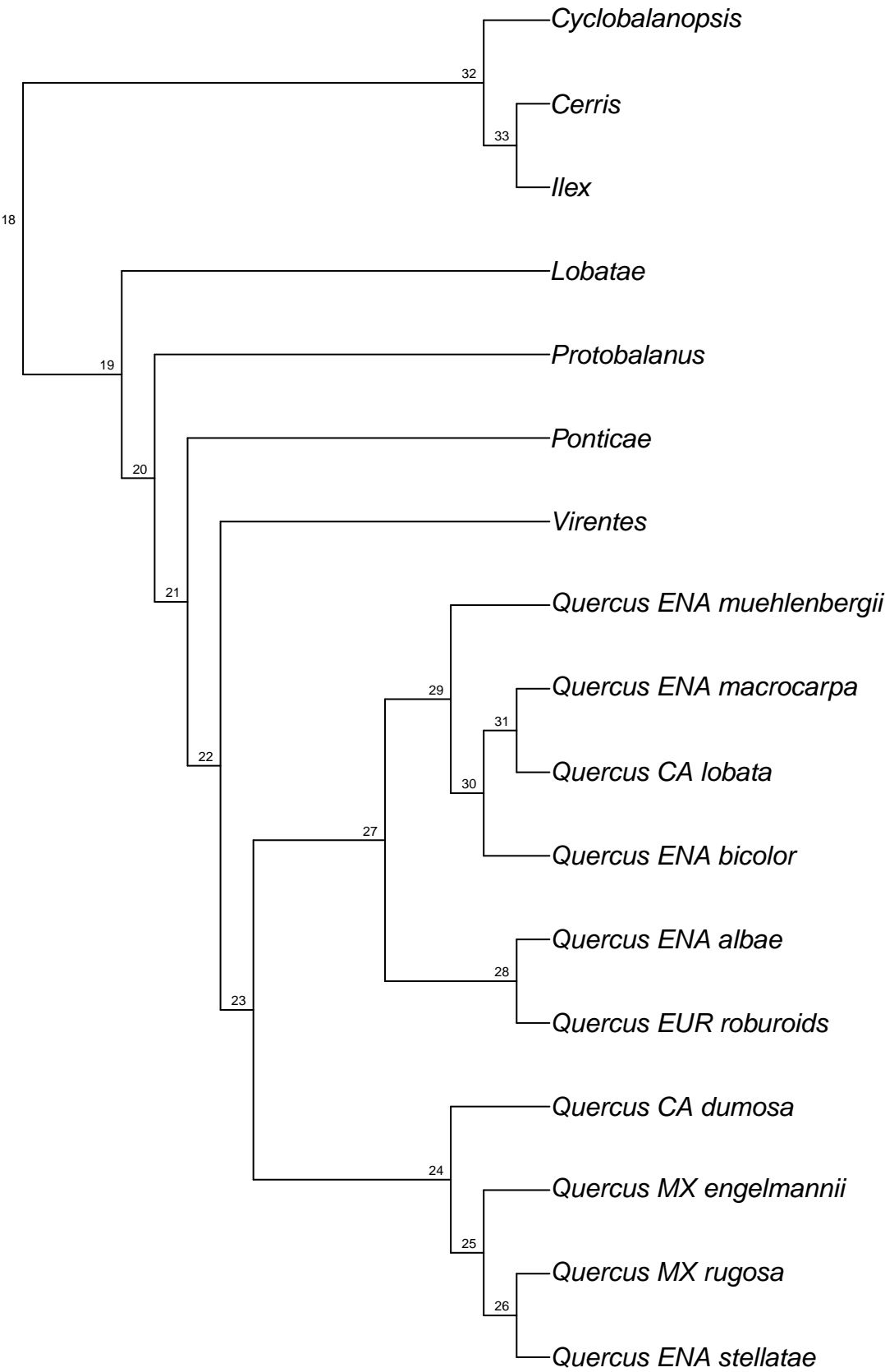
refRAD.ref\_variabilis\_raxml.bt004



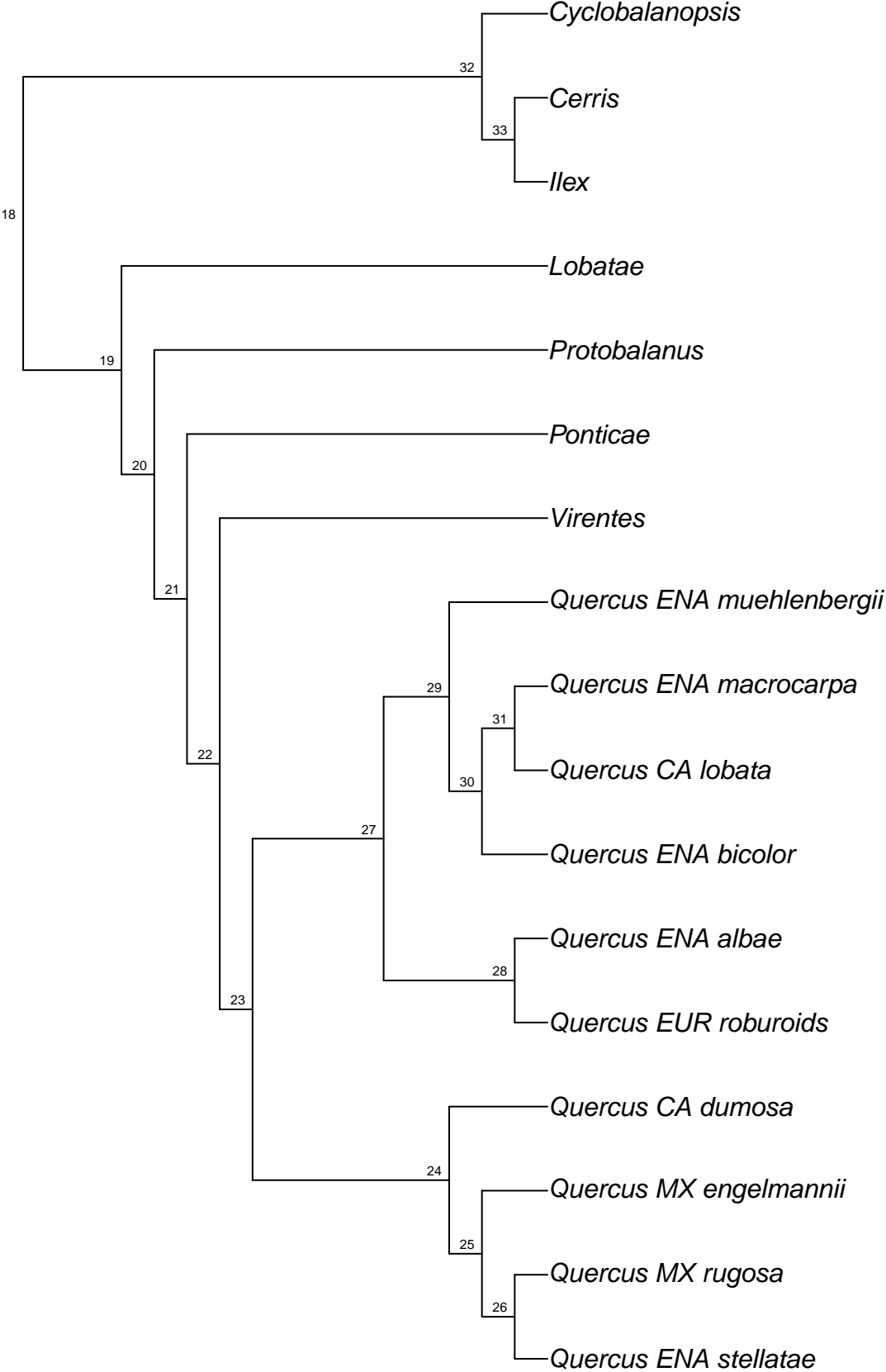
refRAD.ref\_variabilis\_raxml.bt005



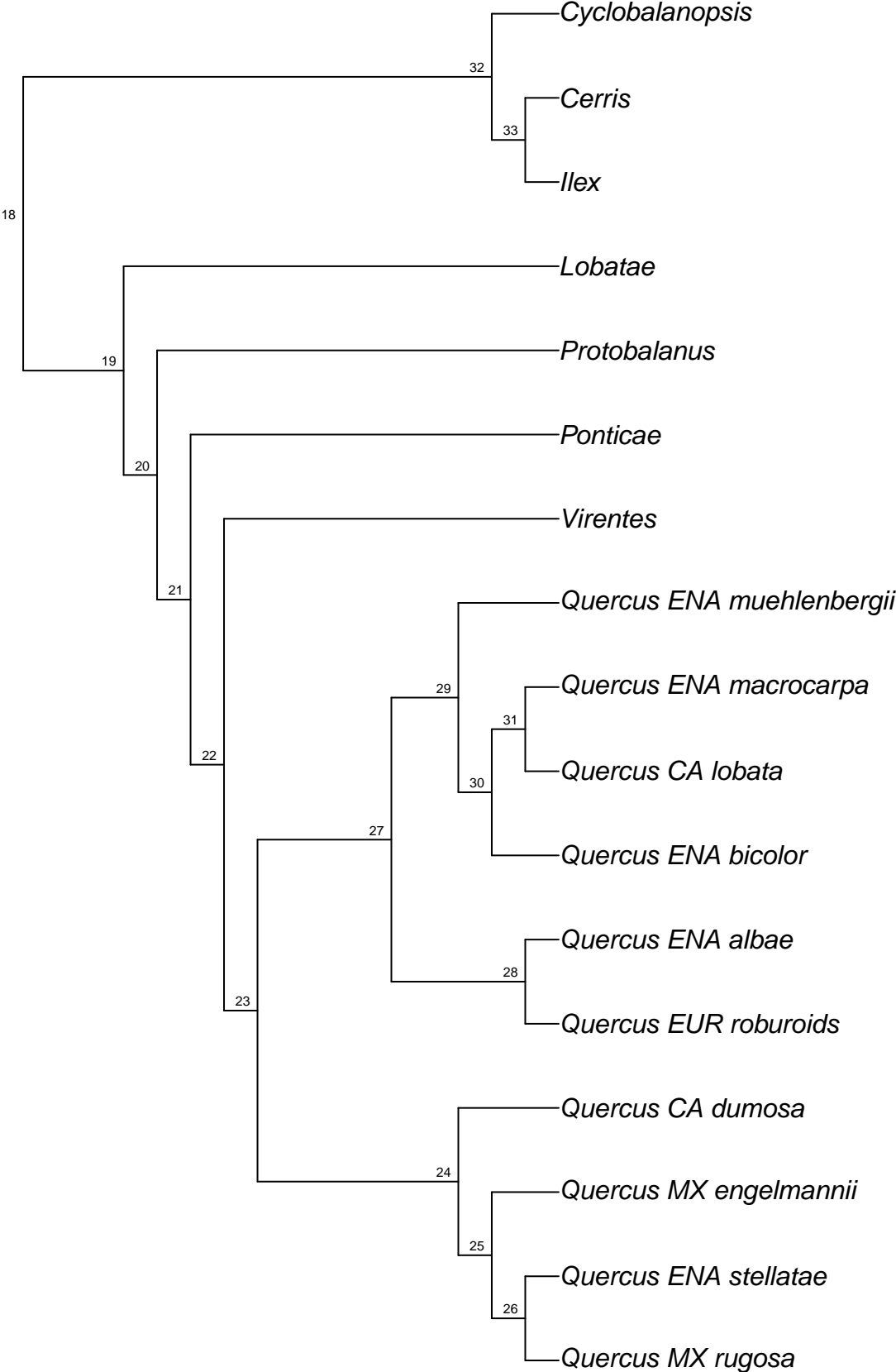
refRAD.ref\_variabilis\_raxml.bt006



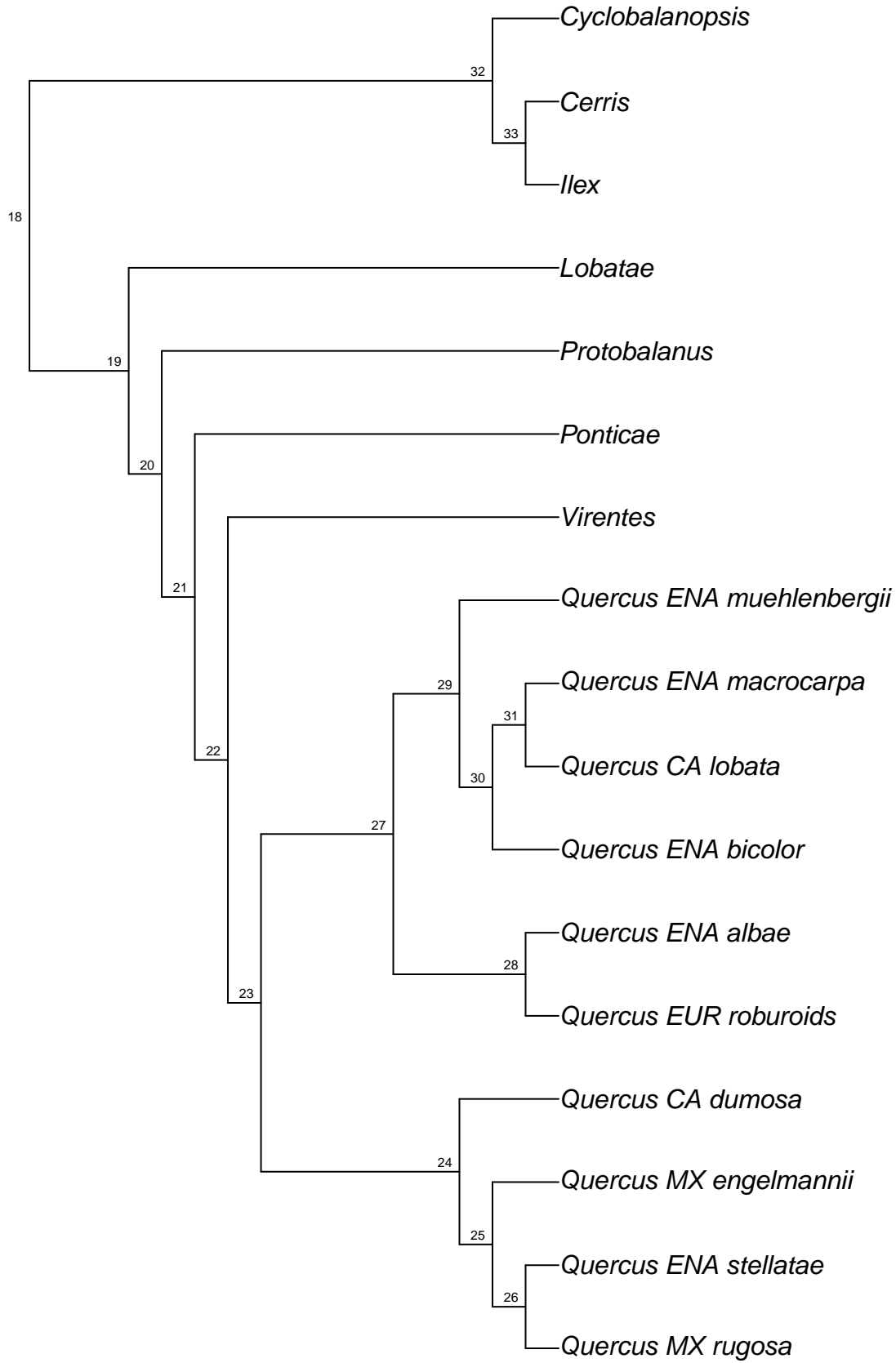
refRAD.ref\_variabilis\_raxml.bt007



refRAD.ref\_variabilis\_raxml.bt008

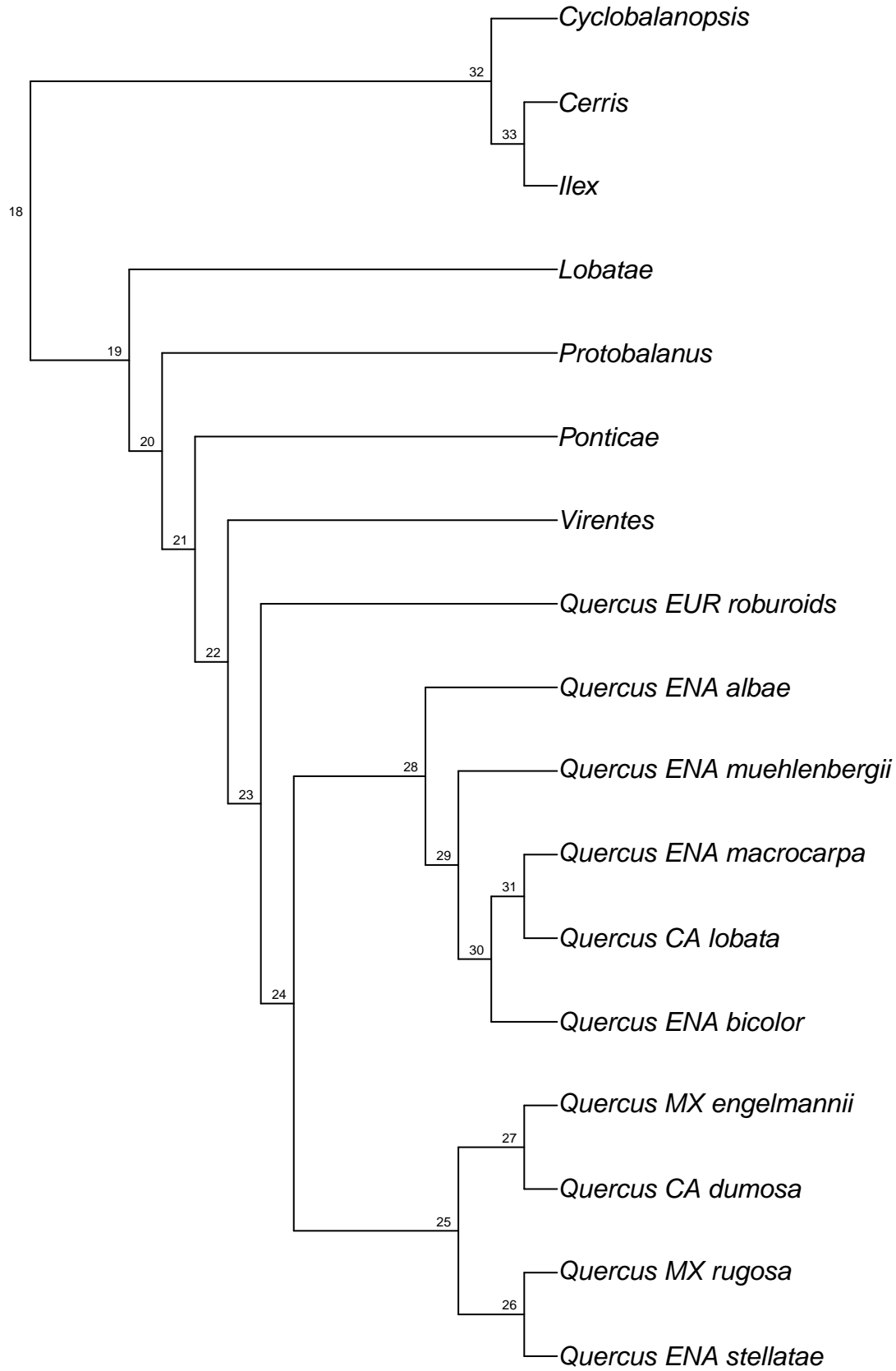


refRAD.ref\_variabilis\_raxml.bt009

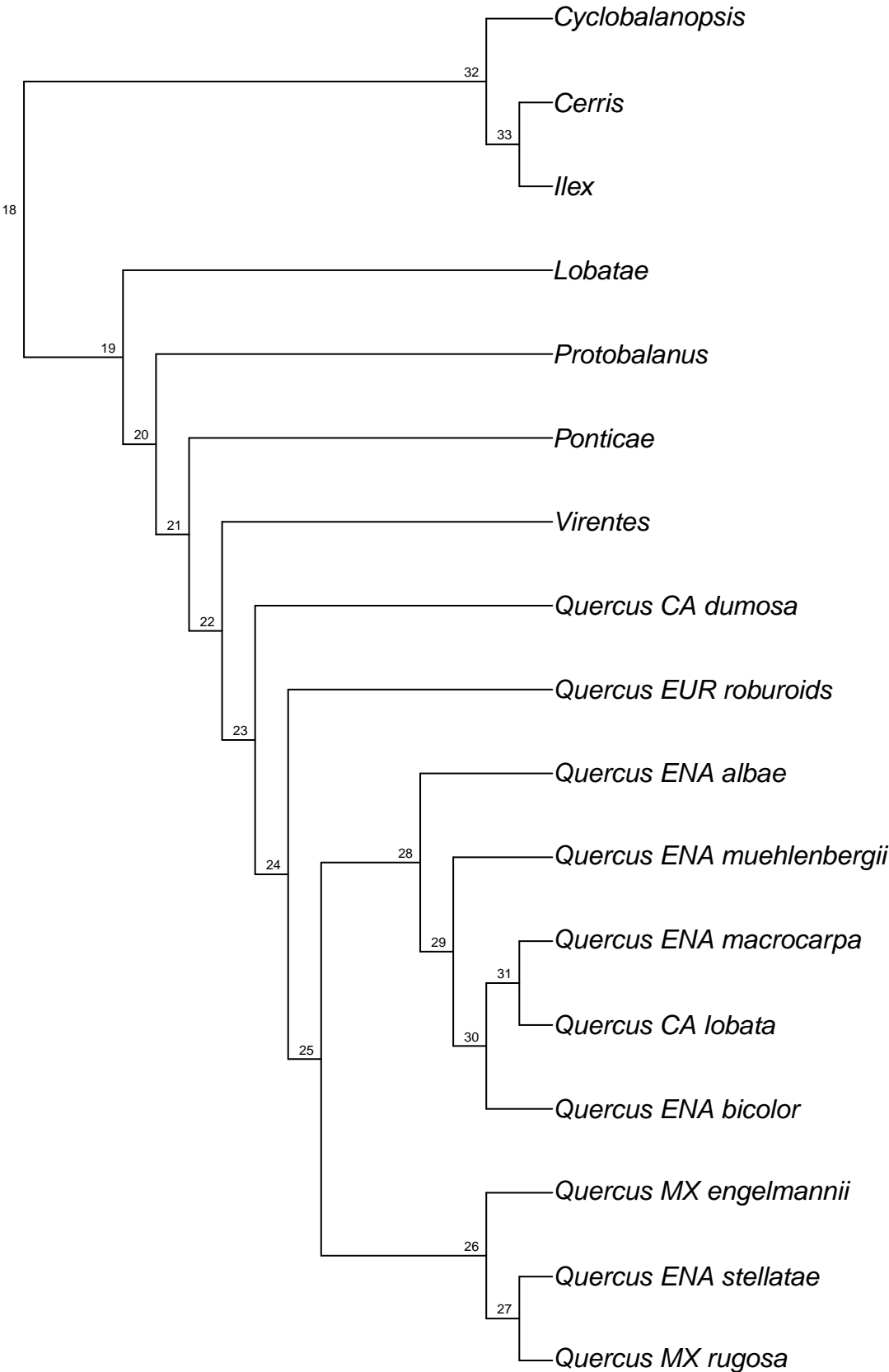




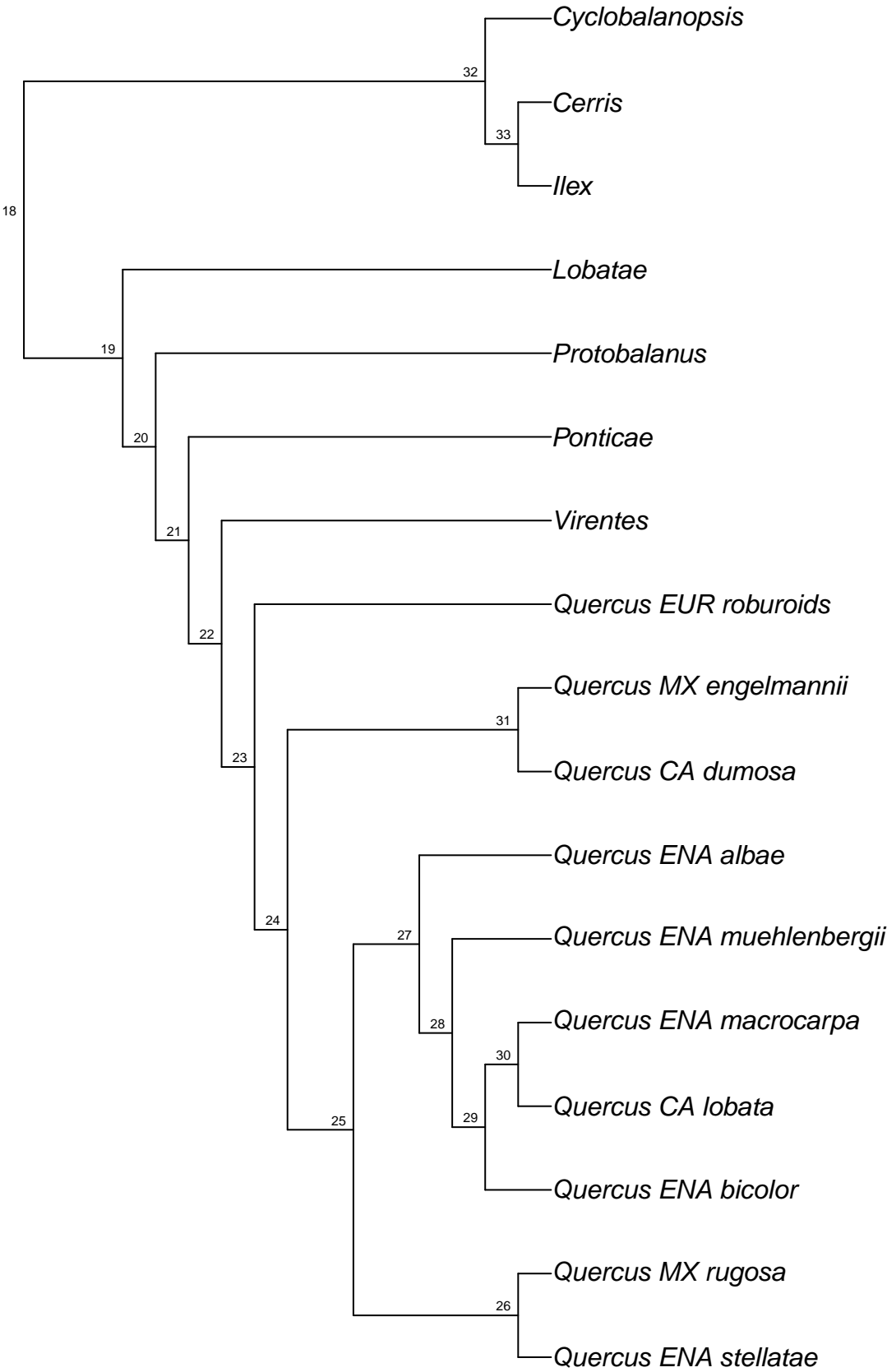
refRAD.ref\_variabilis\_raxml.bt010



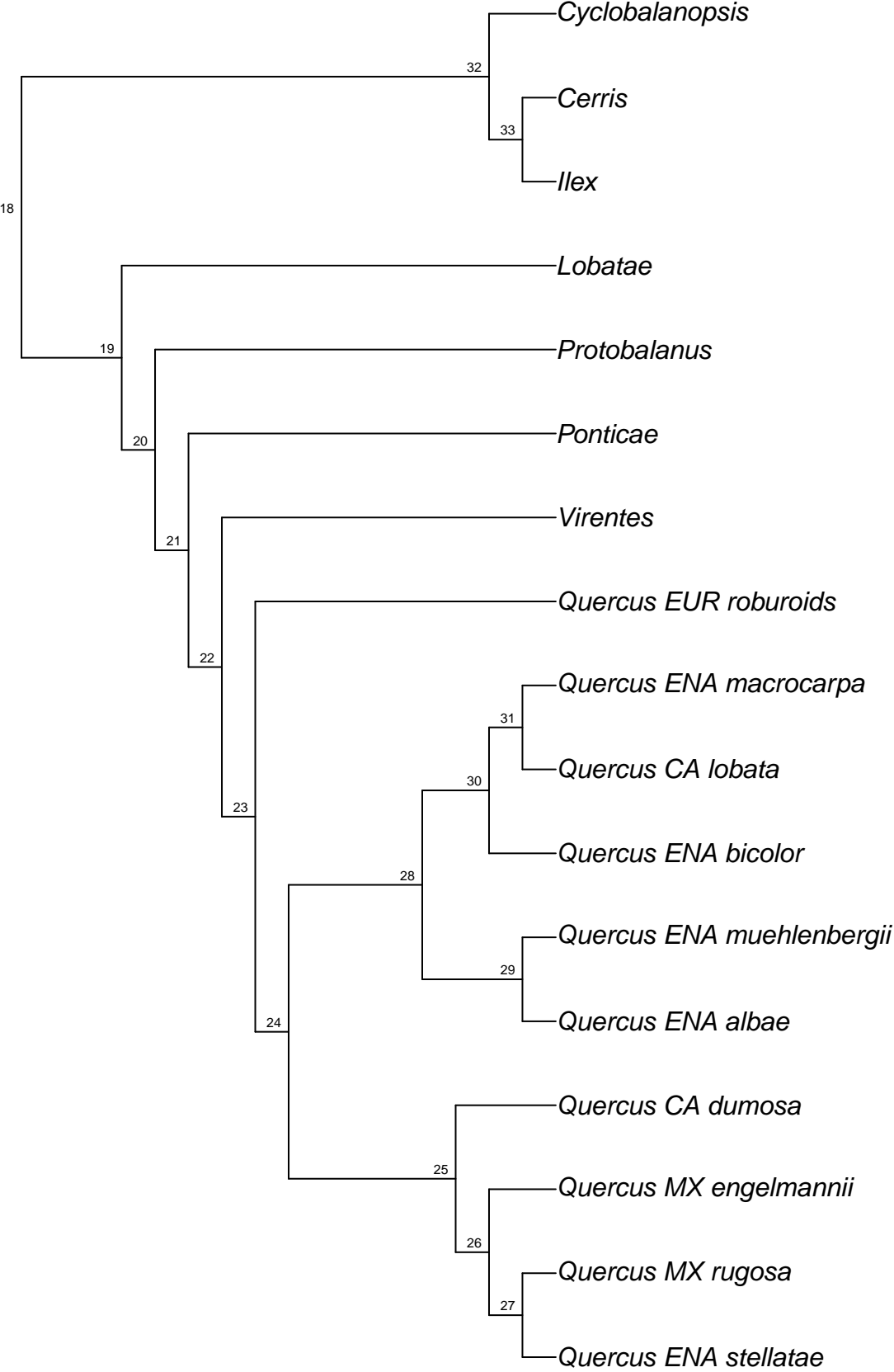
refRAD.ref\_variabilis\_raxml.bt011



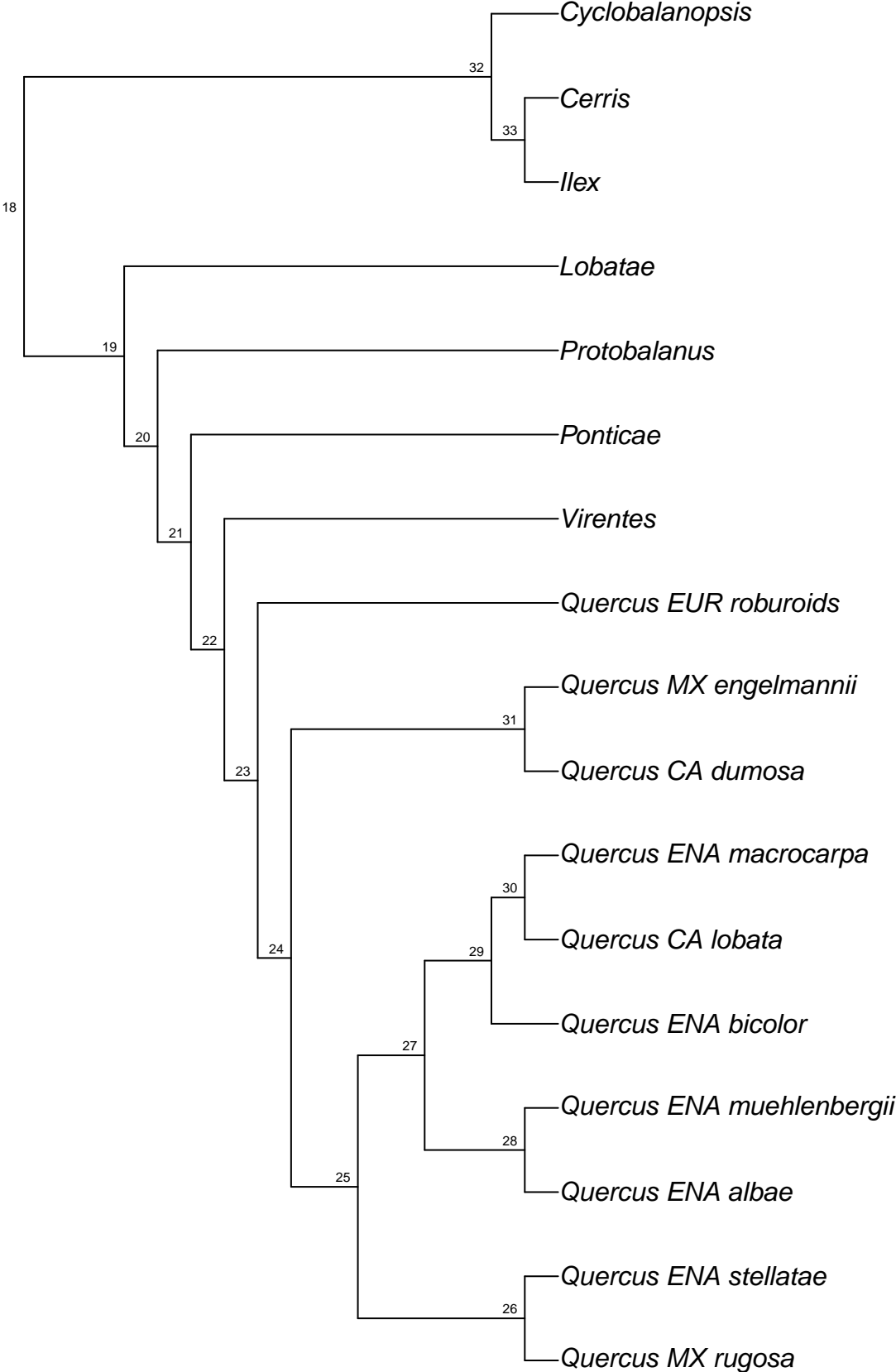
refRAD.ref\_variabilis\_raxml.bt012



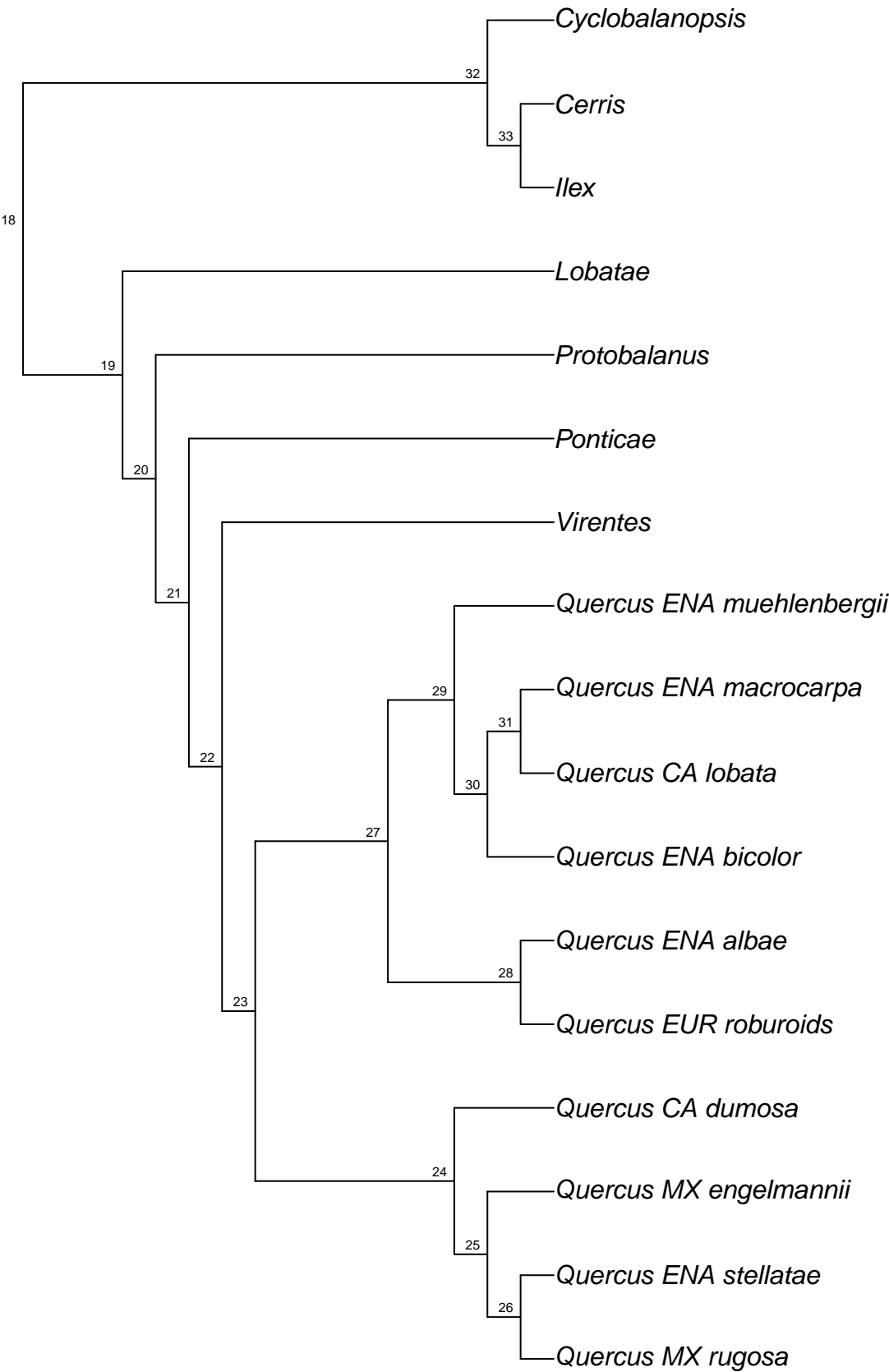
refRAD.ref\_variabilis\_raxml.bt013



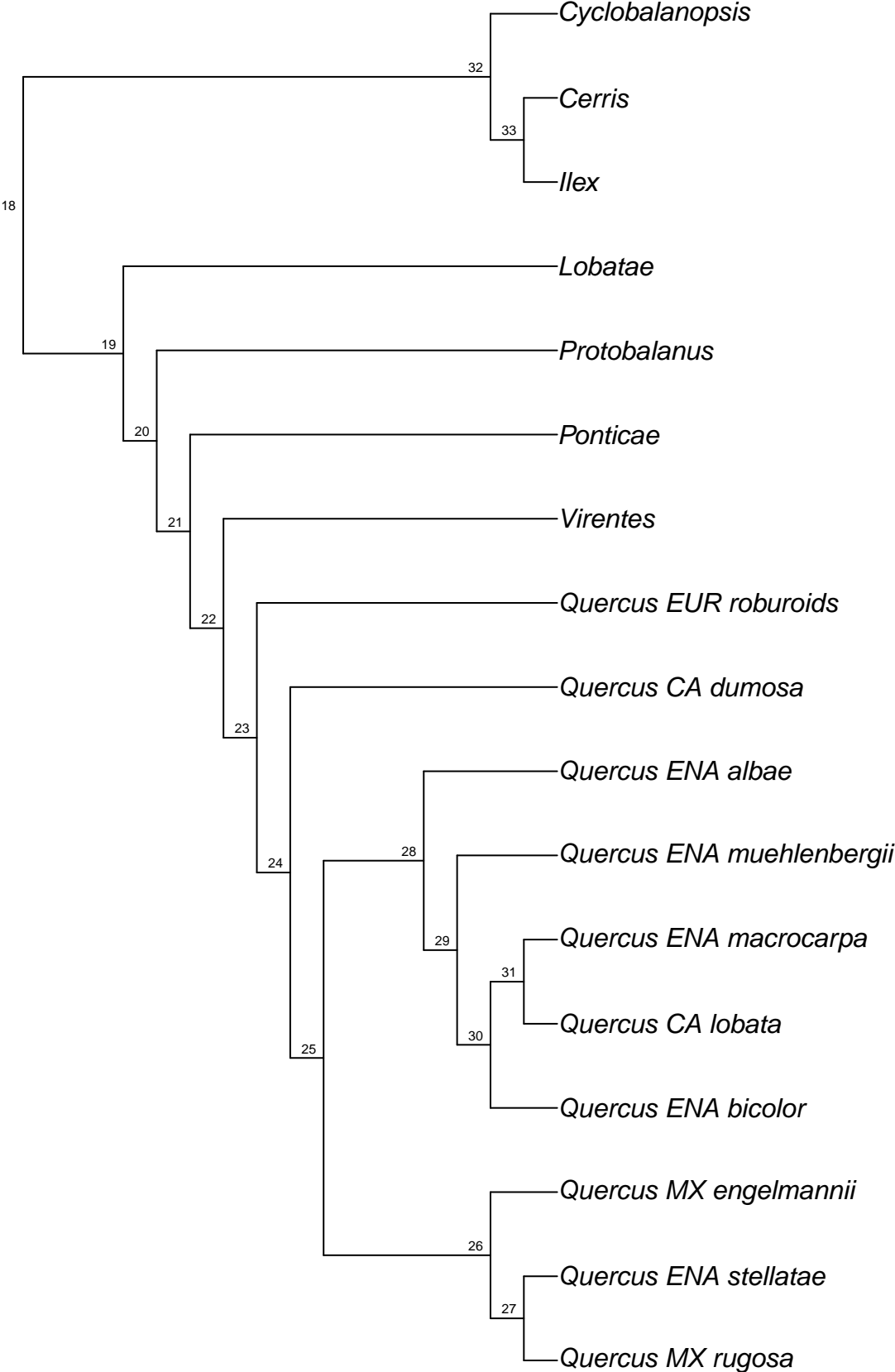
refRAD.ref\_variabilis\_raxml.bt014



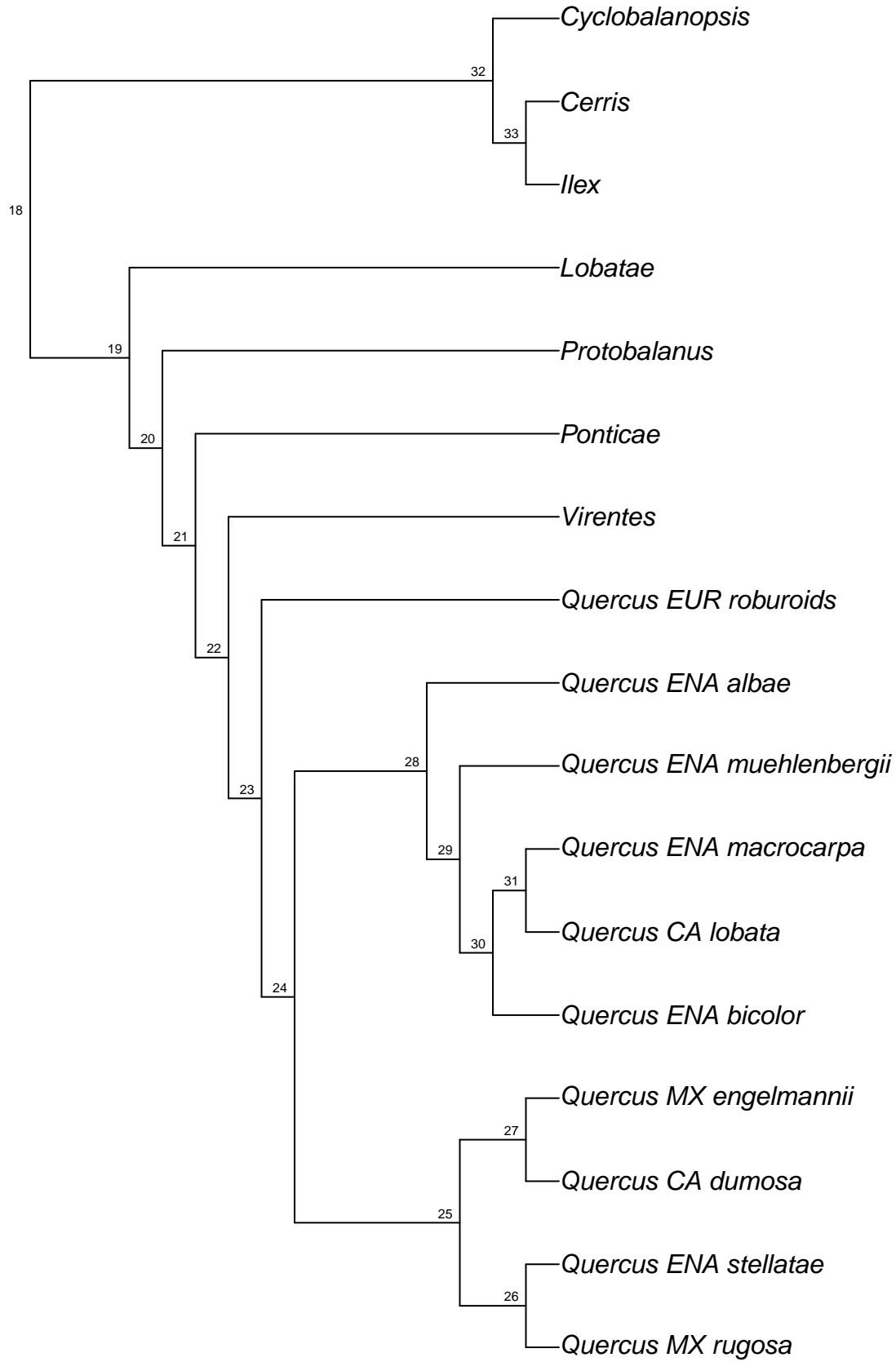
refRAD.ref\_variabilis\_raxml.bt015



refRAD.ref\_variabilis\_raxml.bt016

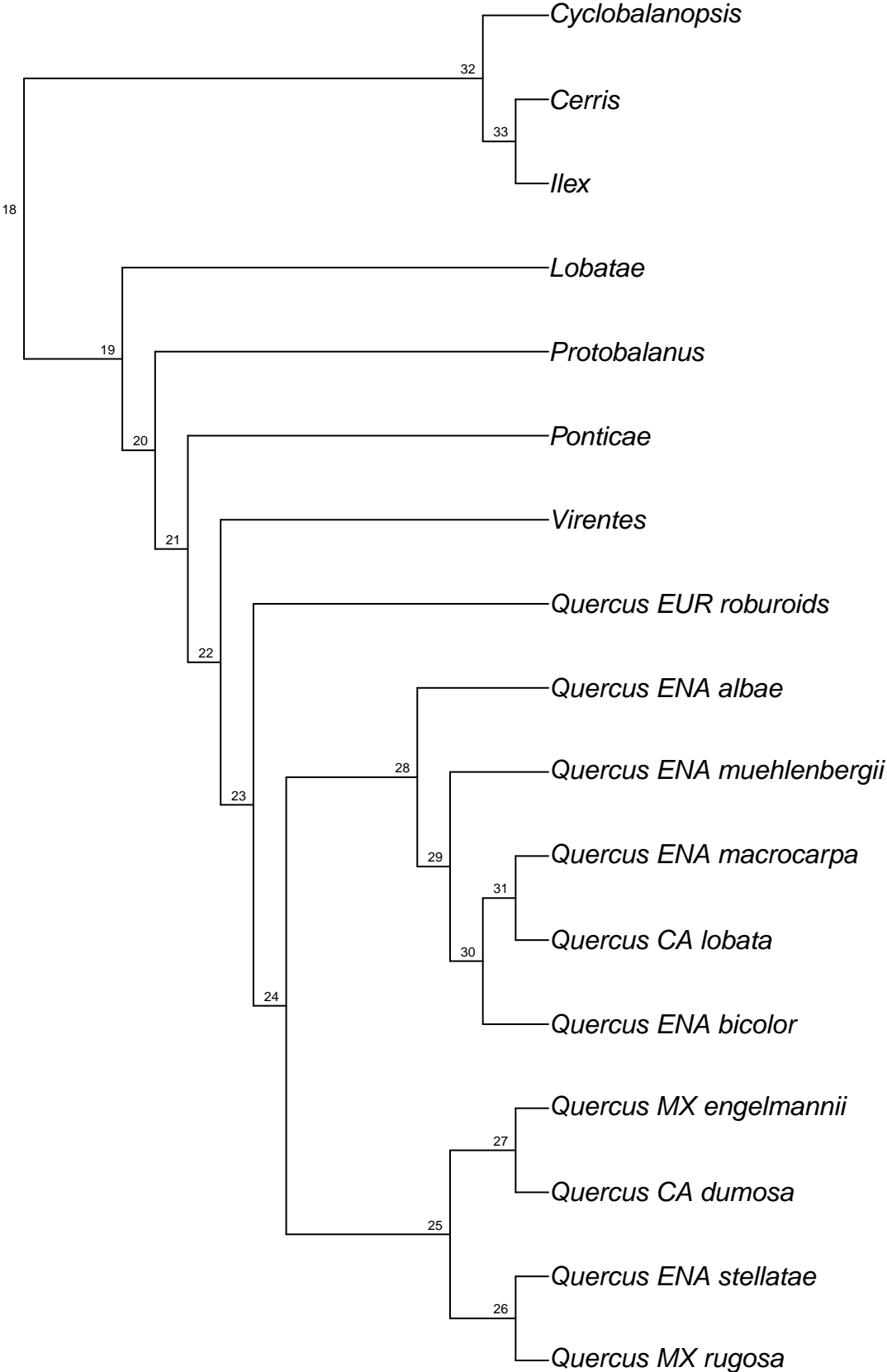


refRAD.ref\_variabilis\_raxml.bt017

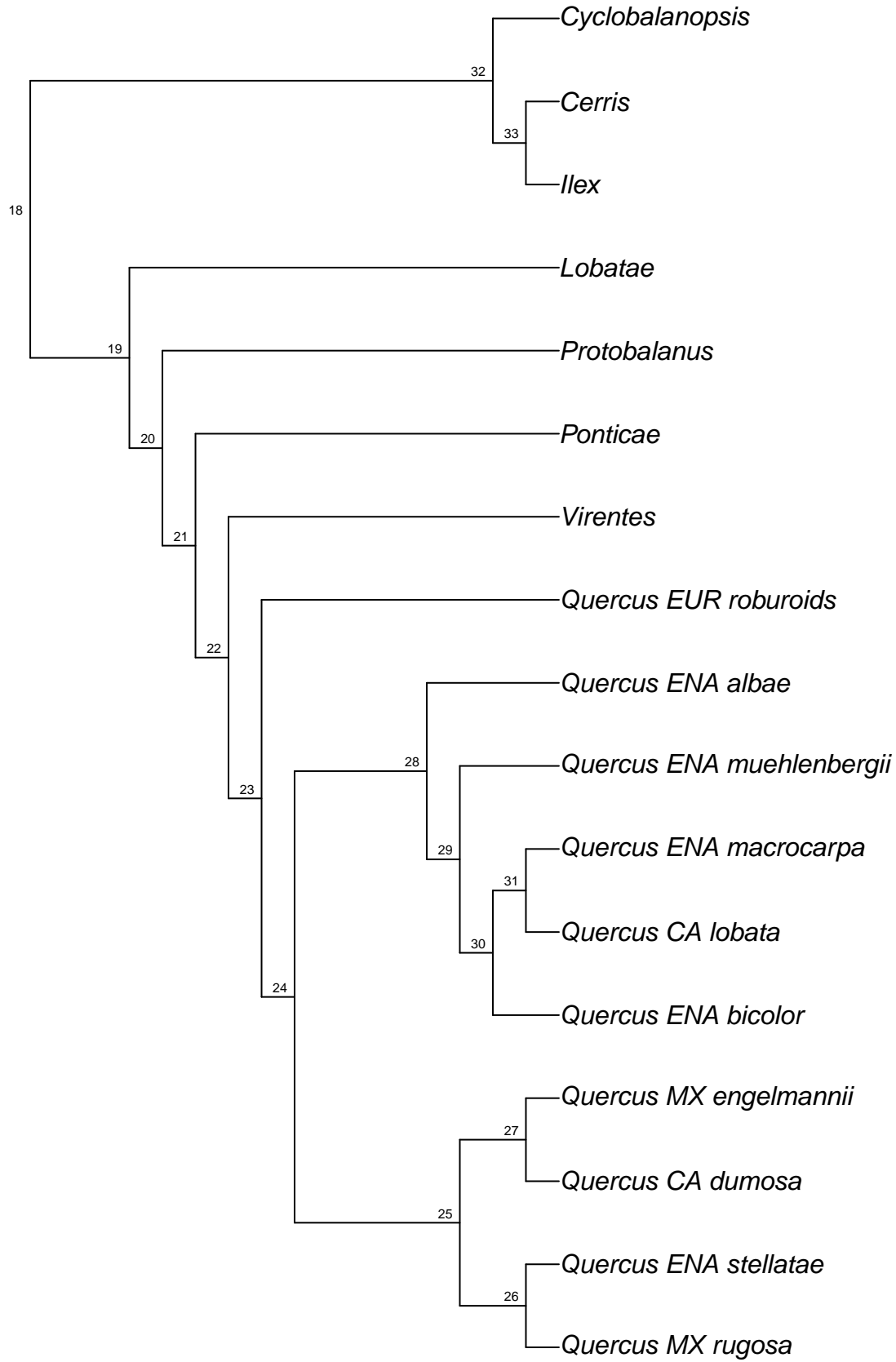




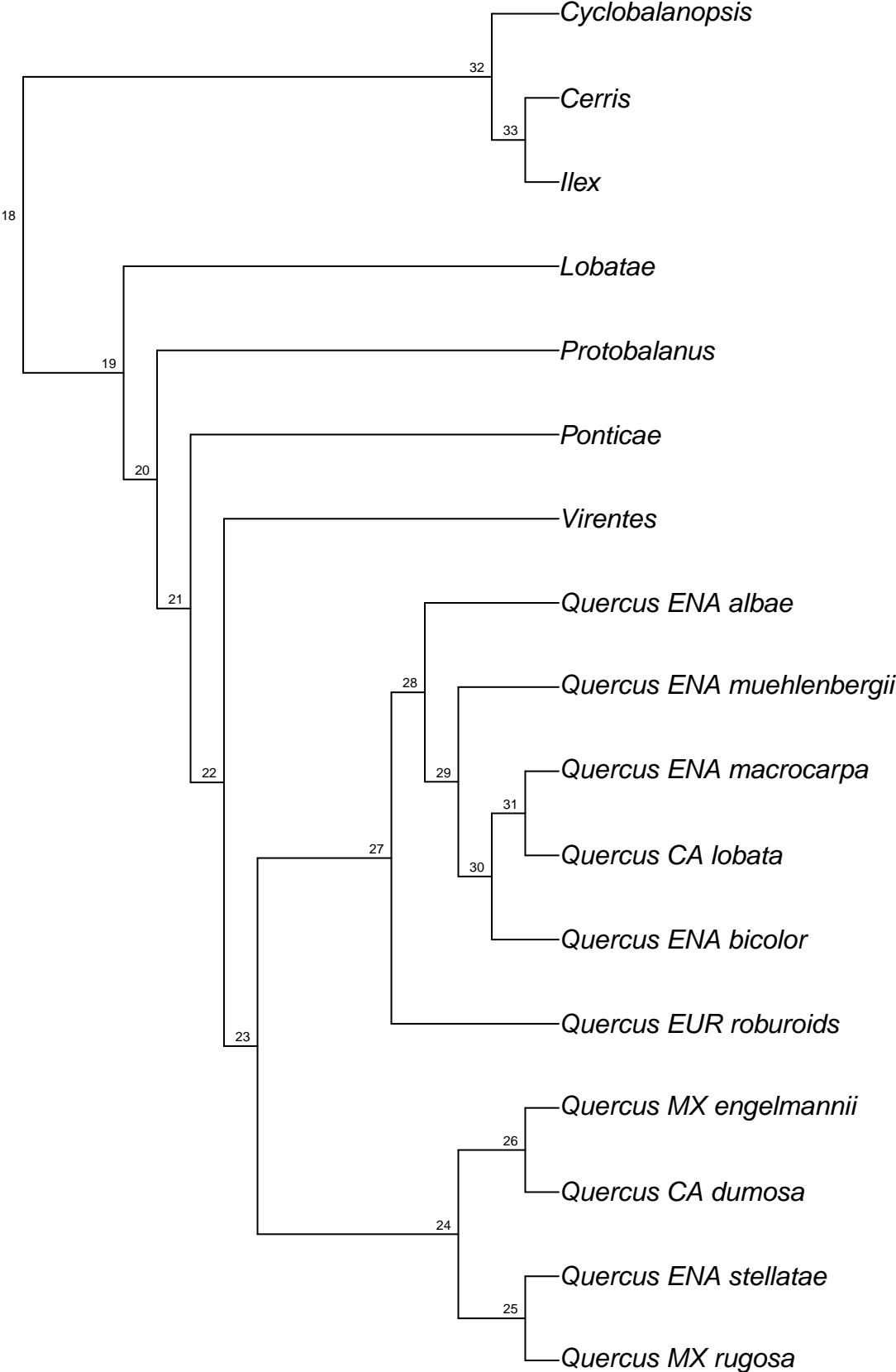
refRAD.ref\_variabilis\_raxml.bt018



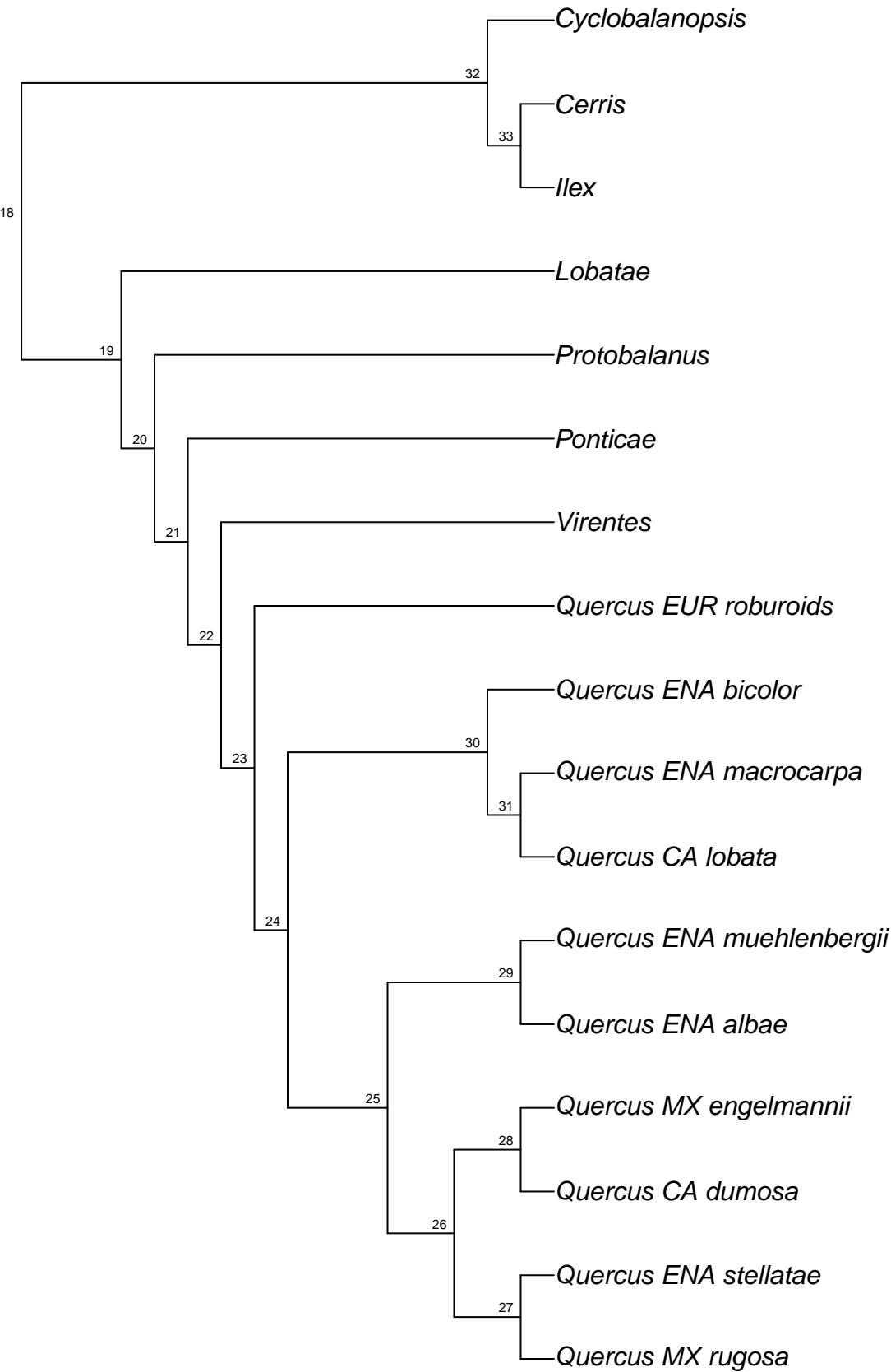
refRAD.ref\_variabilis\_raxml.bt019



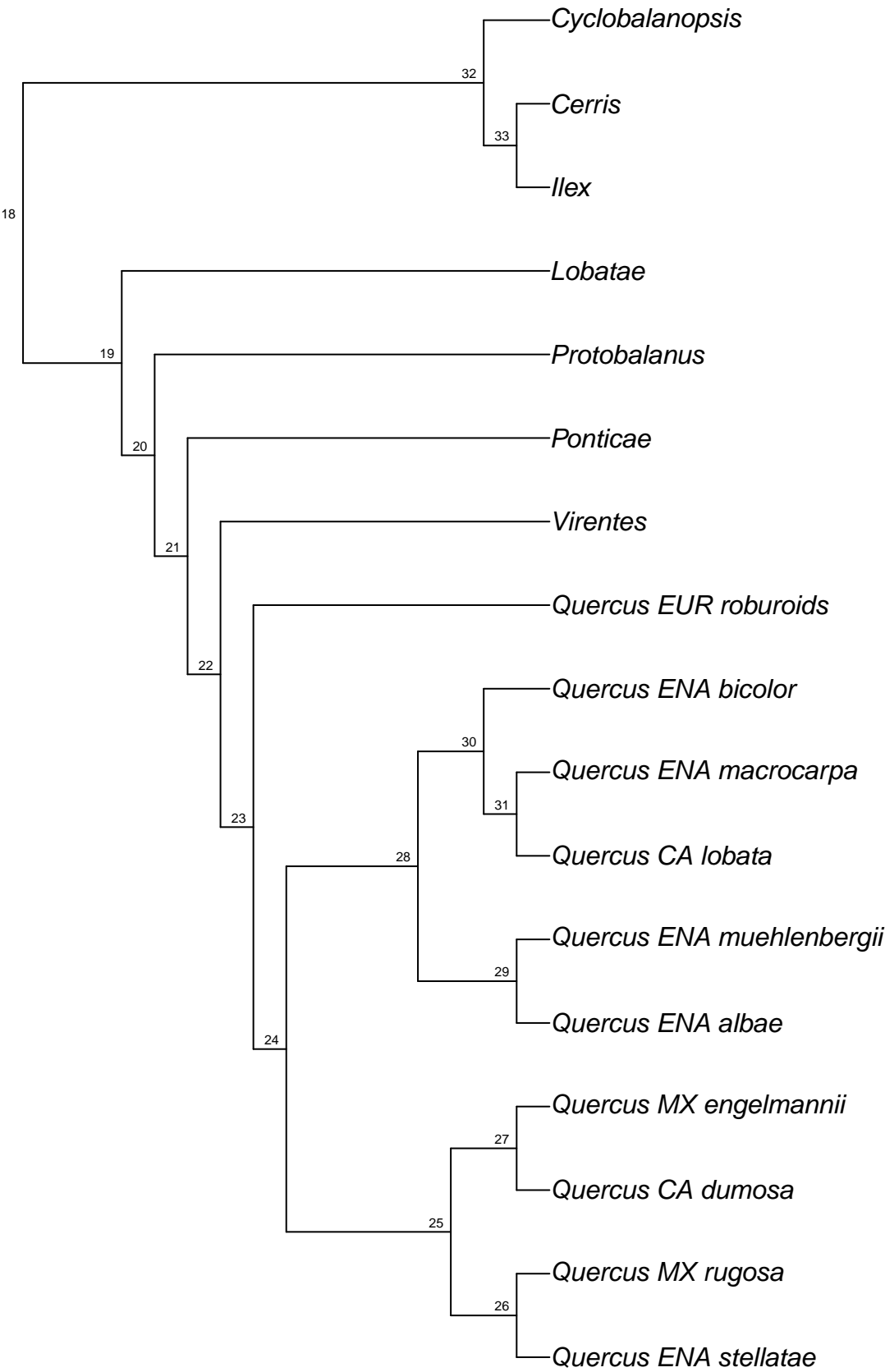
refRAD.ref\_variabilis\_raxml.bt020



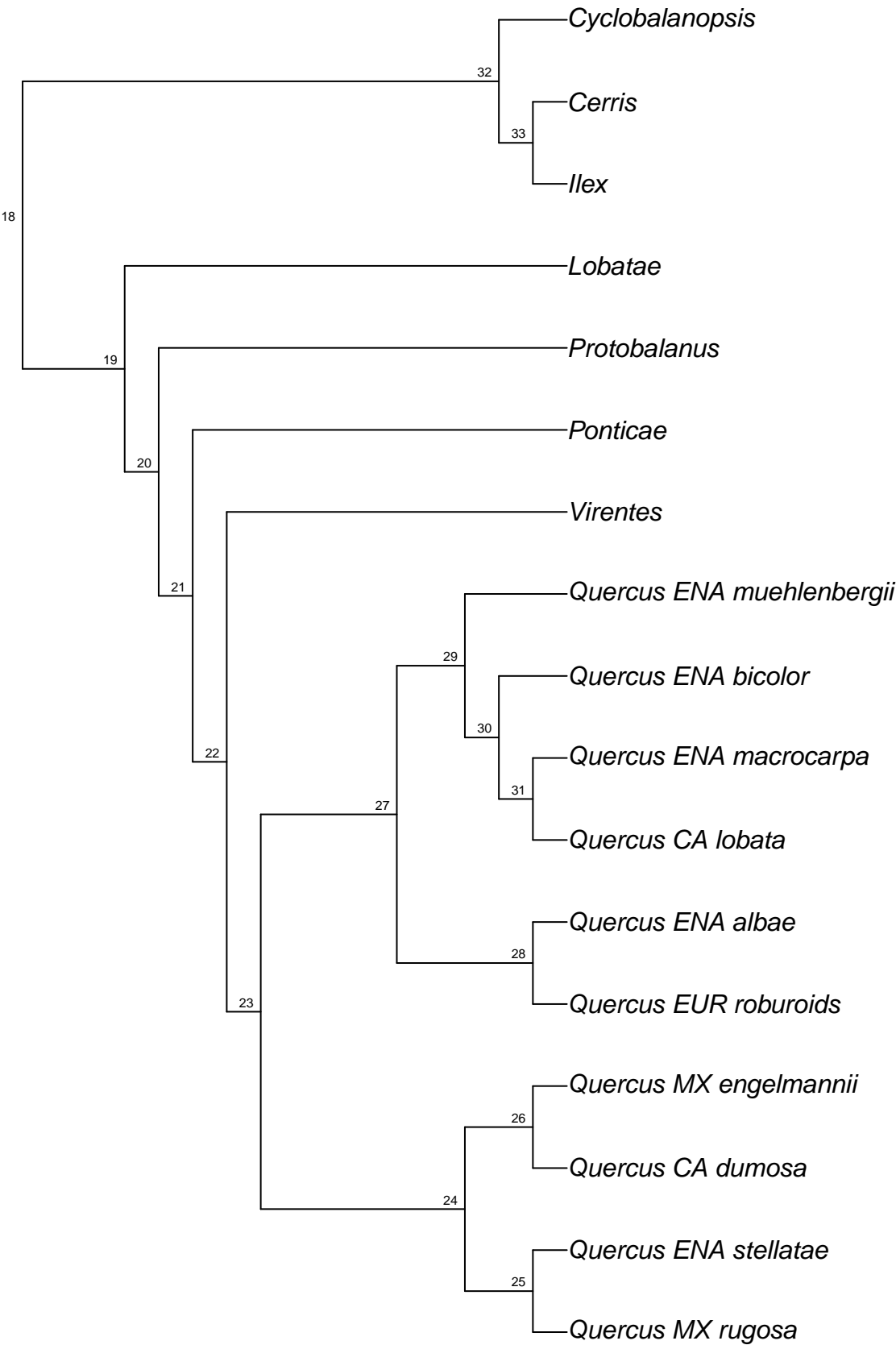
refRAD.ref\_variabilis\_raxml.bt021



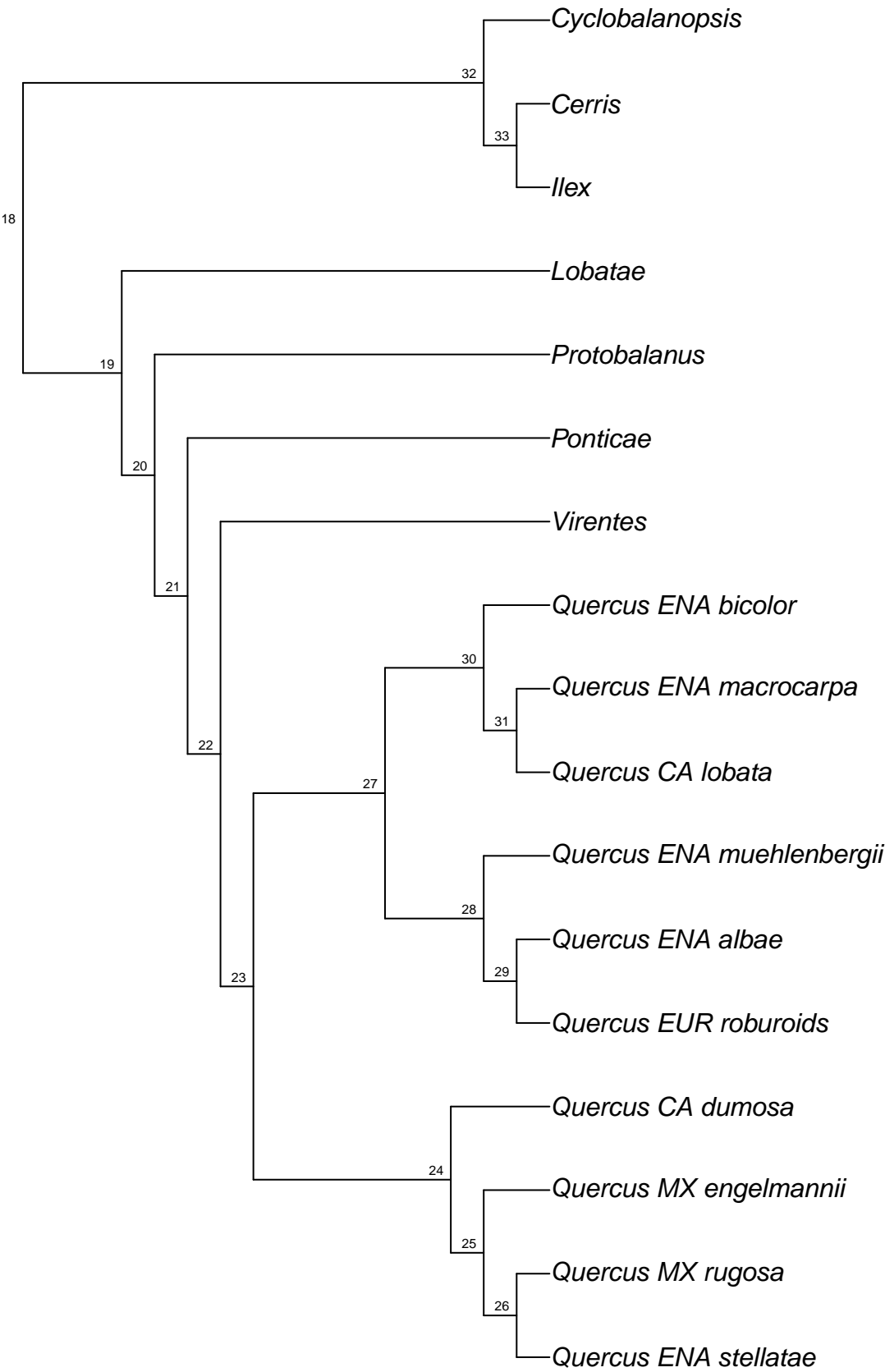
refRAD.ref\_variabilis\_raxml.bt022



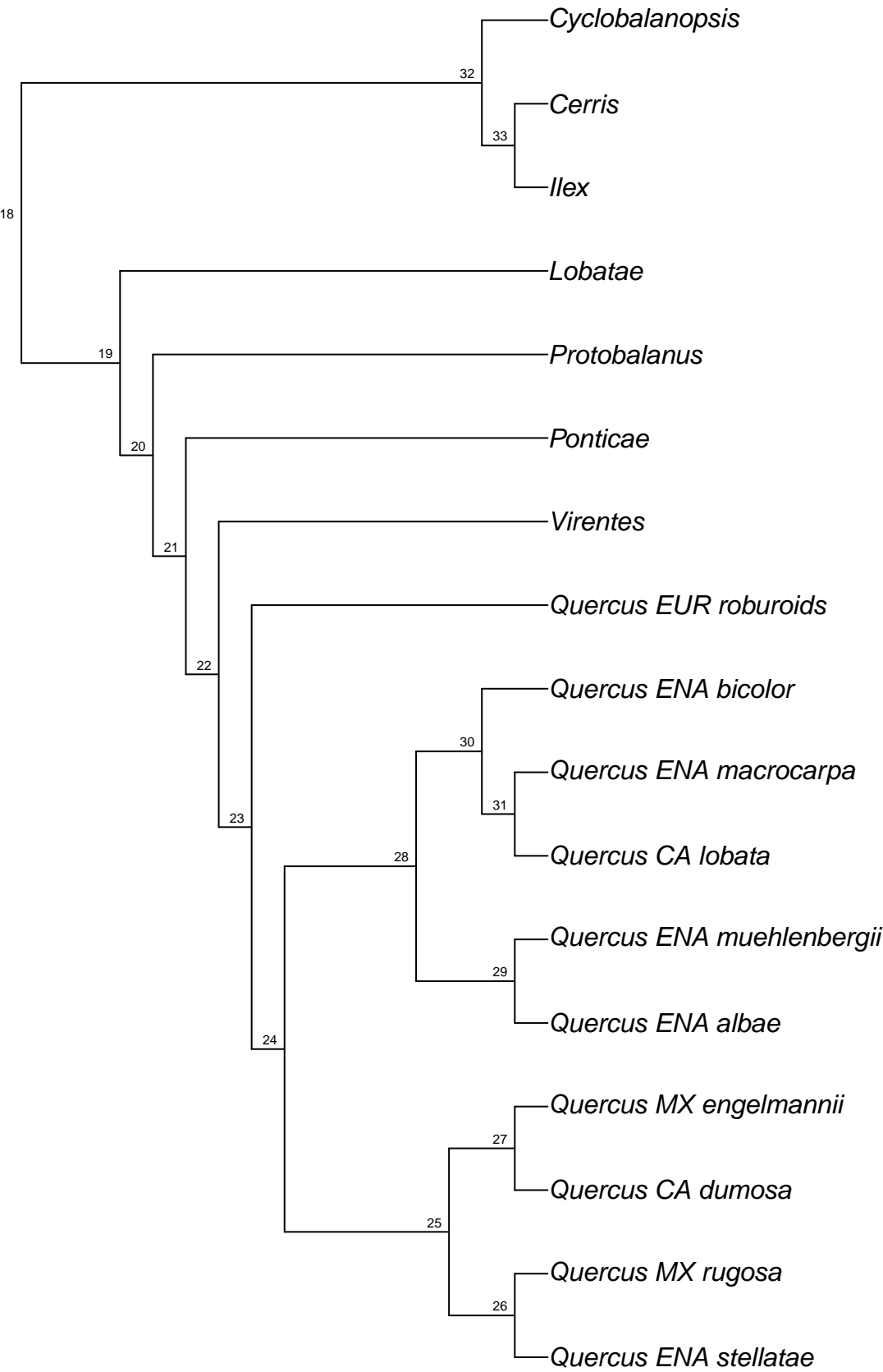
refRAD.ref\_variabilis\_raxml.bt023



refRAD.ref\_variabilis\_raxml.bt024

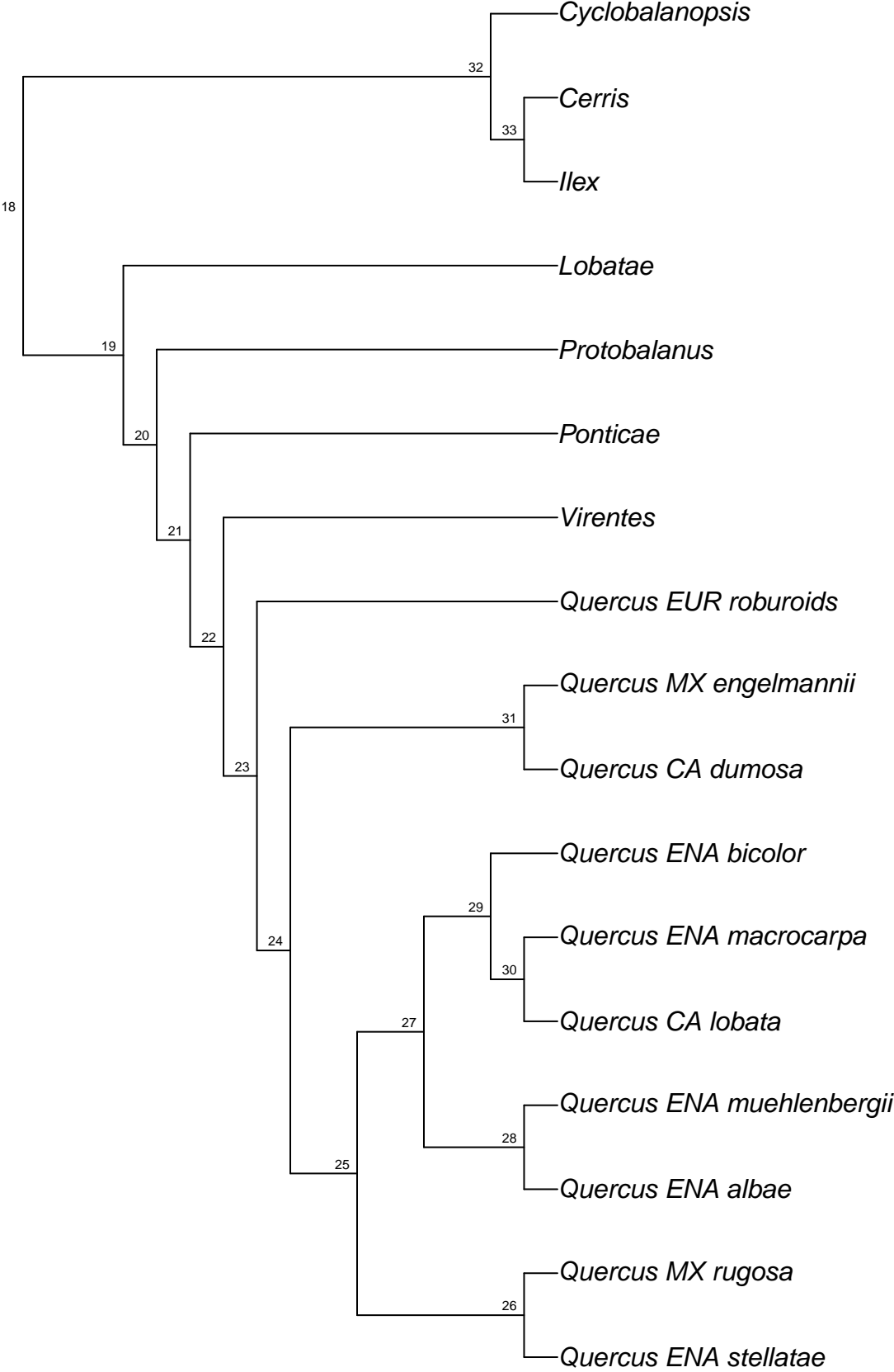


refRAD.ref\_variabilis\_raxml.bt025

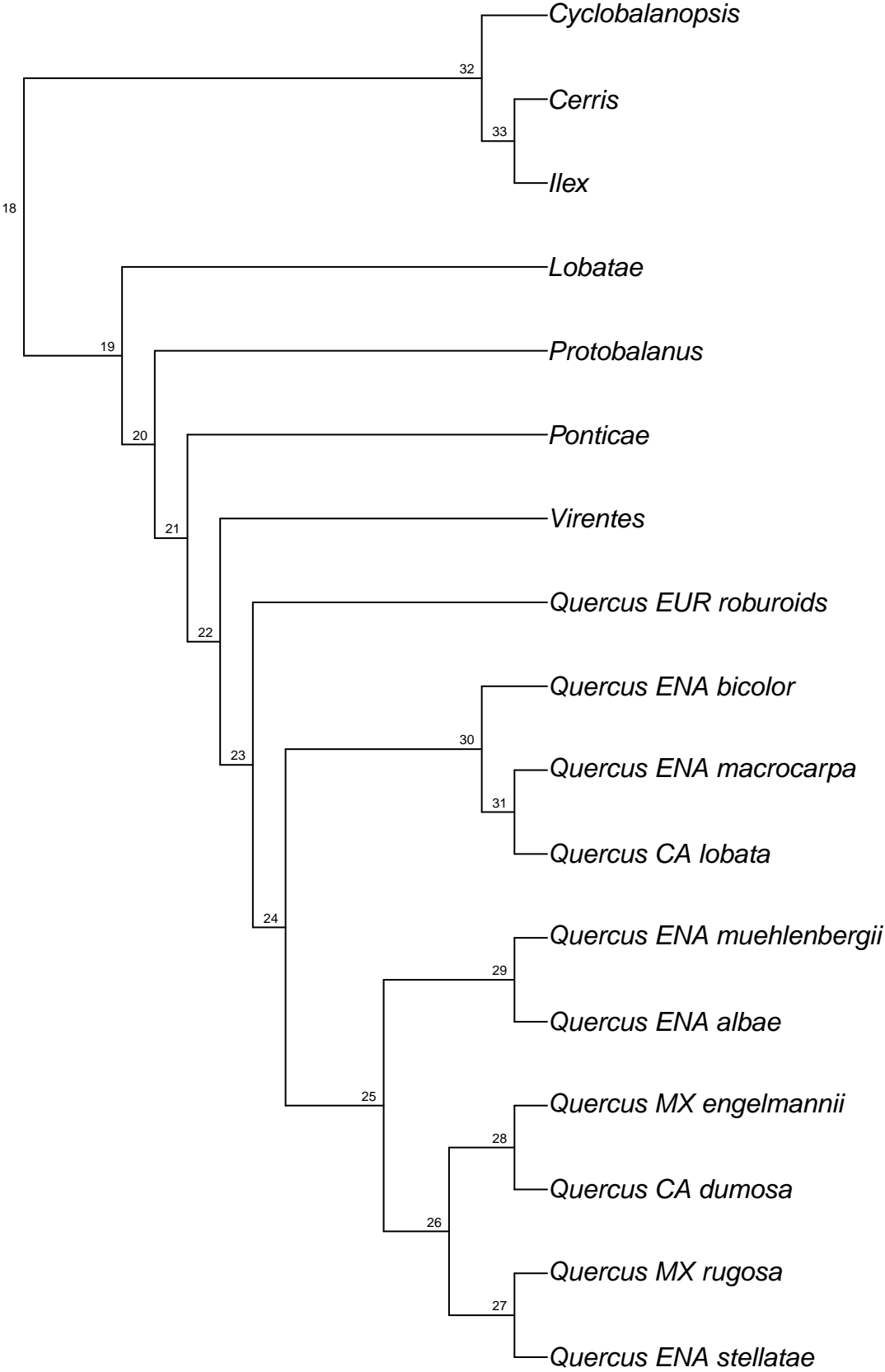




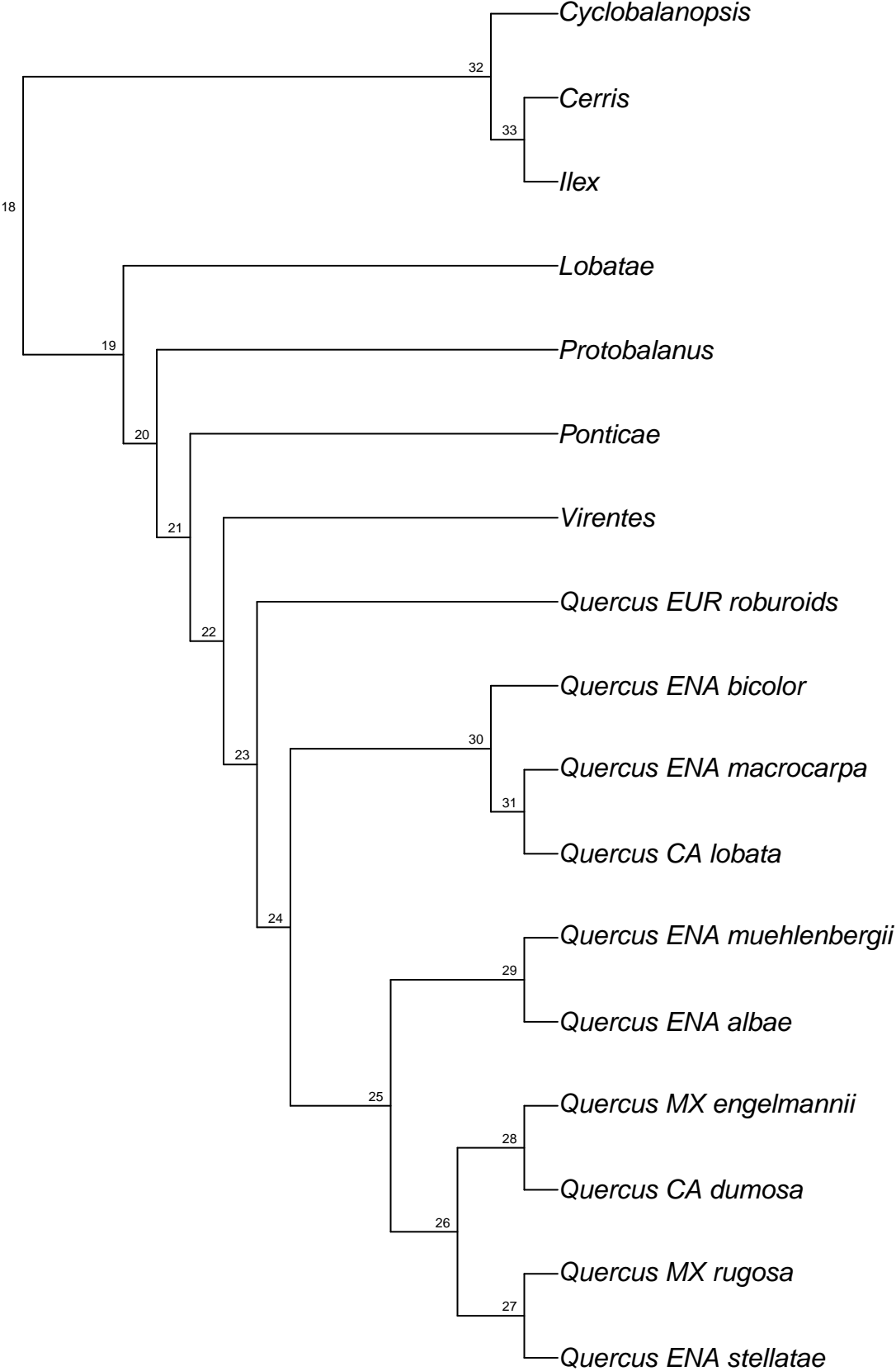
refRAD.ref\_variabilis\_raxml.bt026



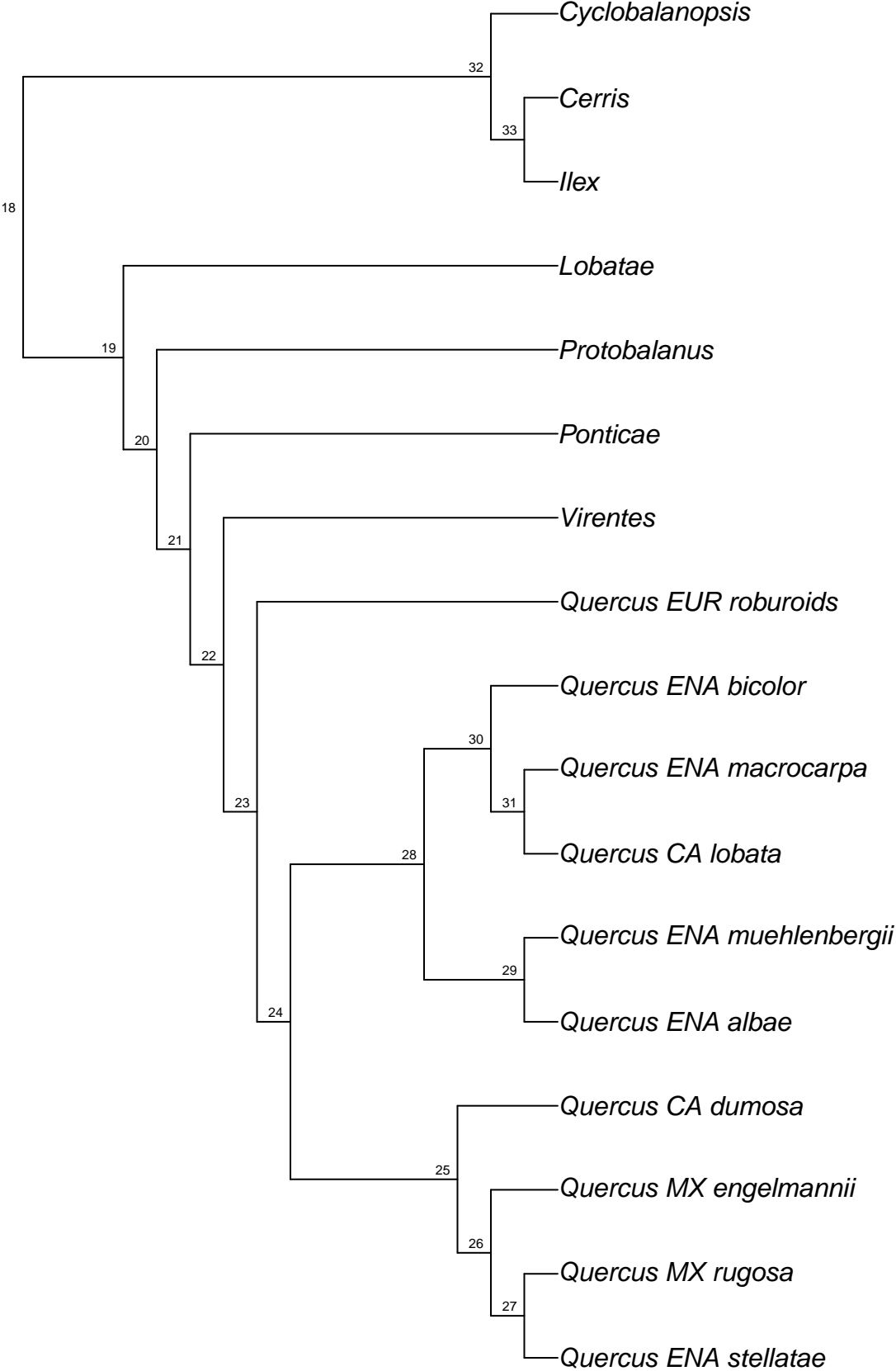
refRAD.ref\_variabilis\_raxml.bt027



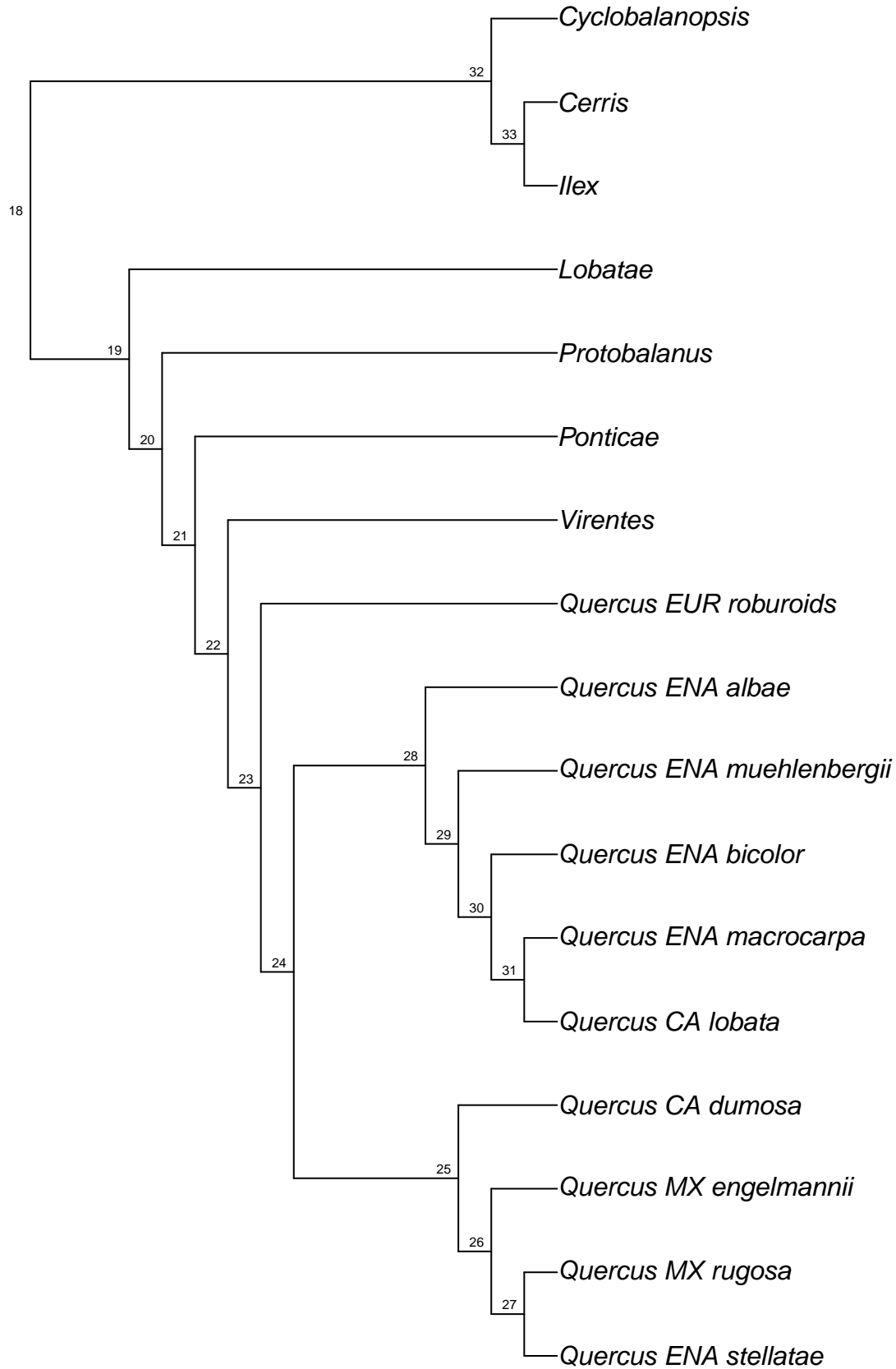
refRAD.ref\_variabilis\_raxml.bt028



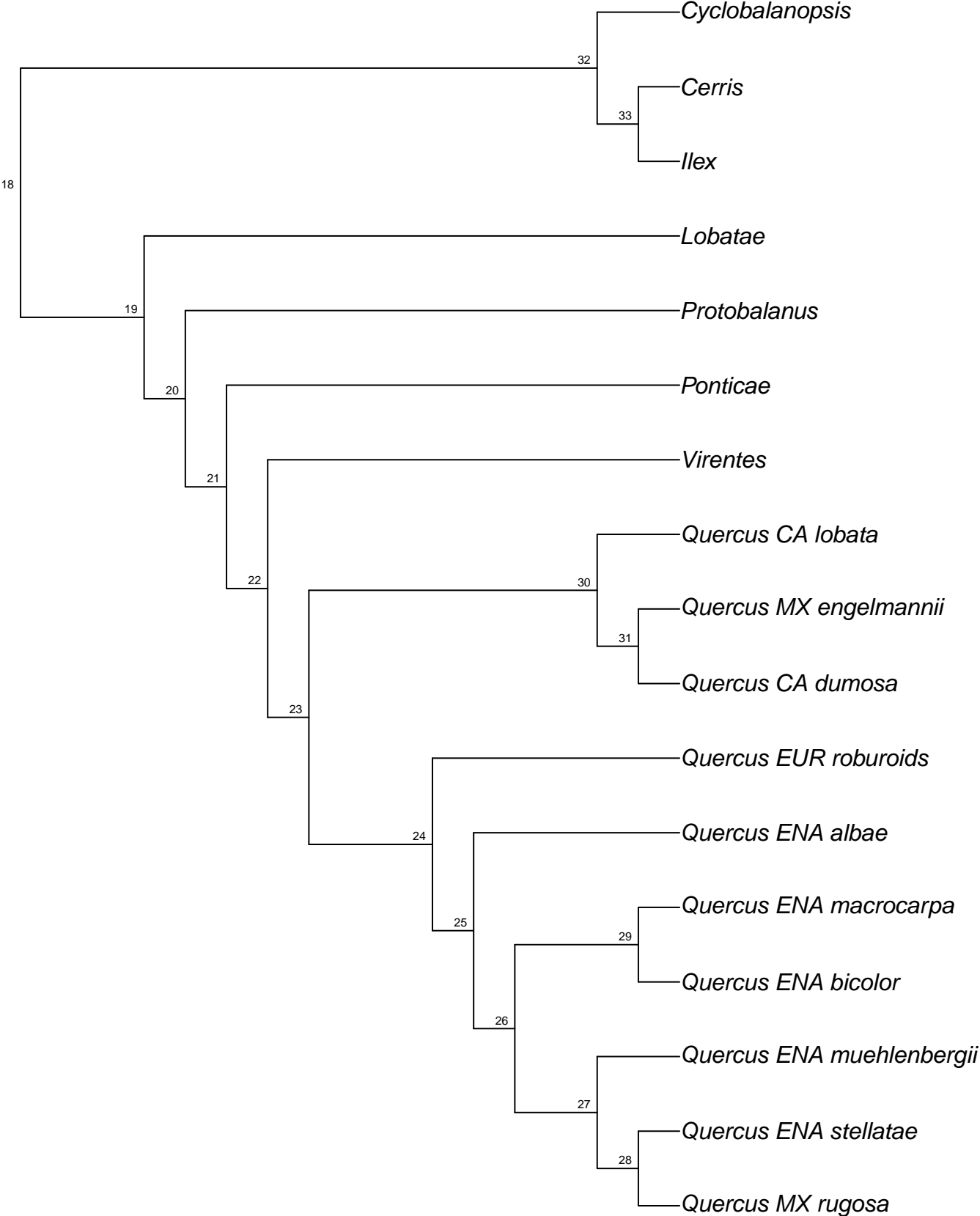
refRAD.ref\_variabilis\_raxml.bt029



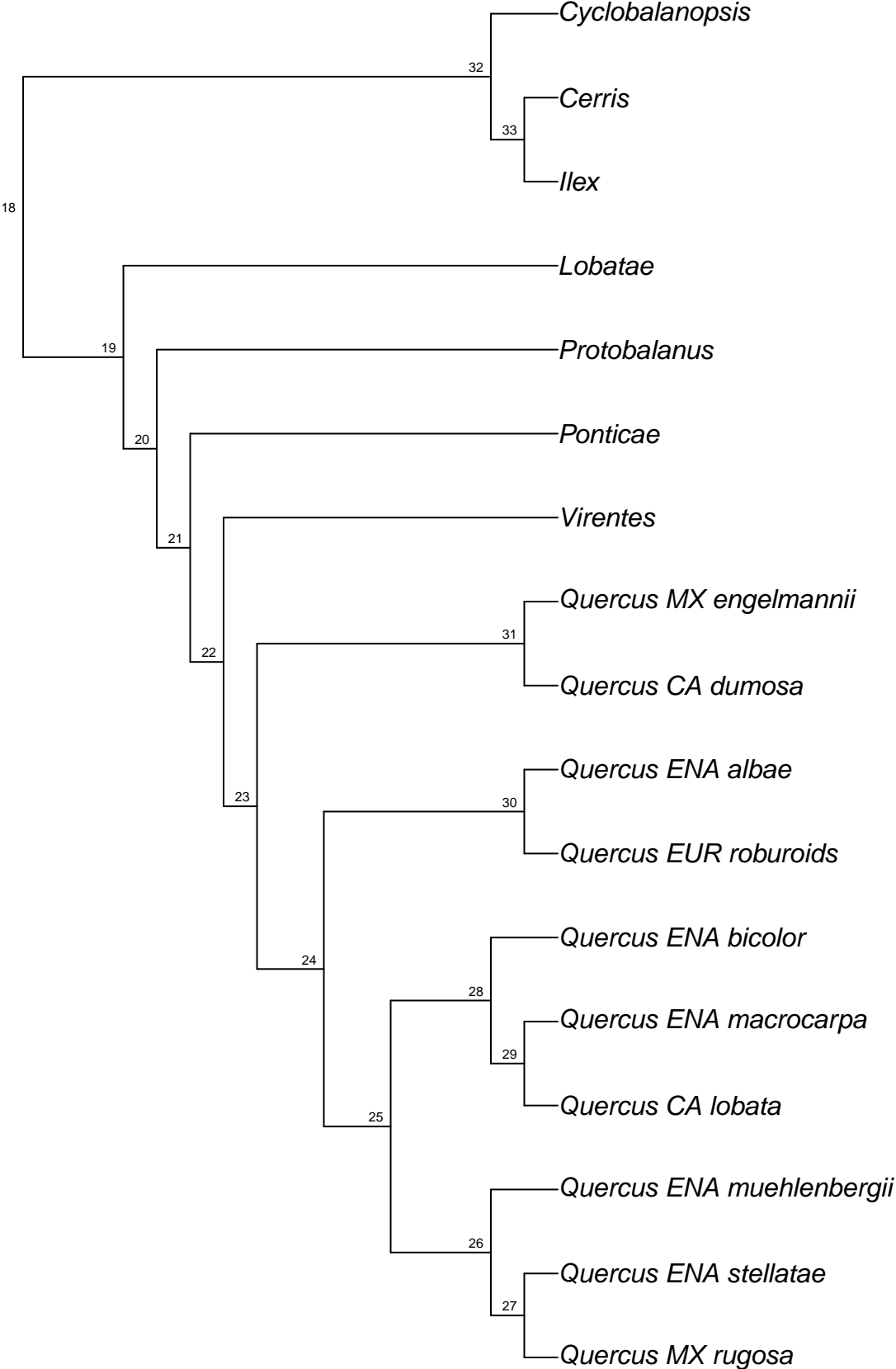
refRAD.ref\_variabilis\_raxml.bt030



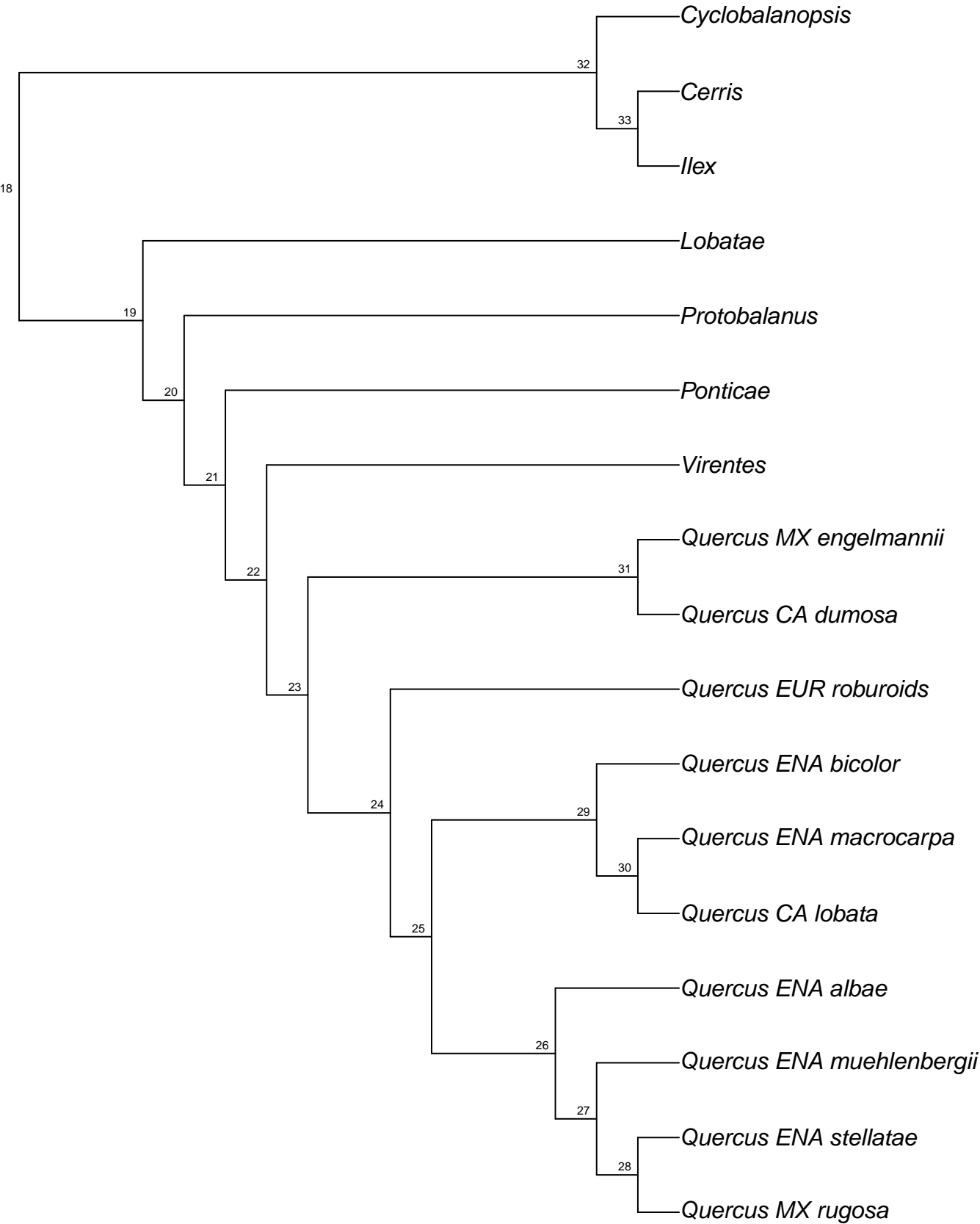
refRAD.ref\_variabilis\_raxml.bt031



refRAD.ref\_variabilis\_raxml.bt032

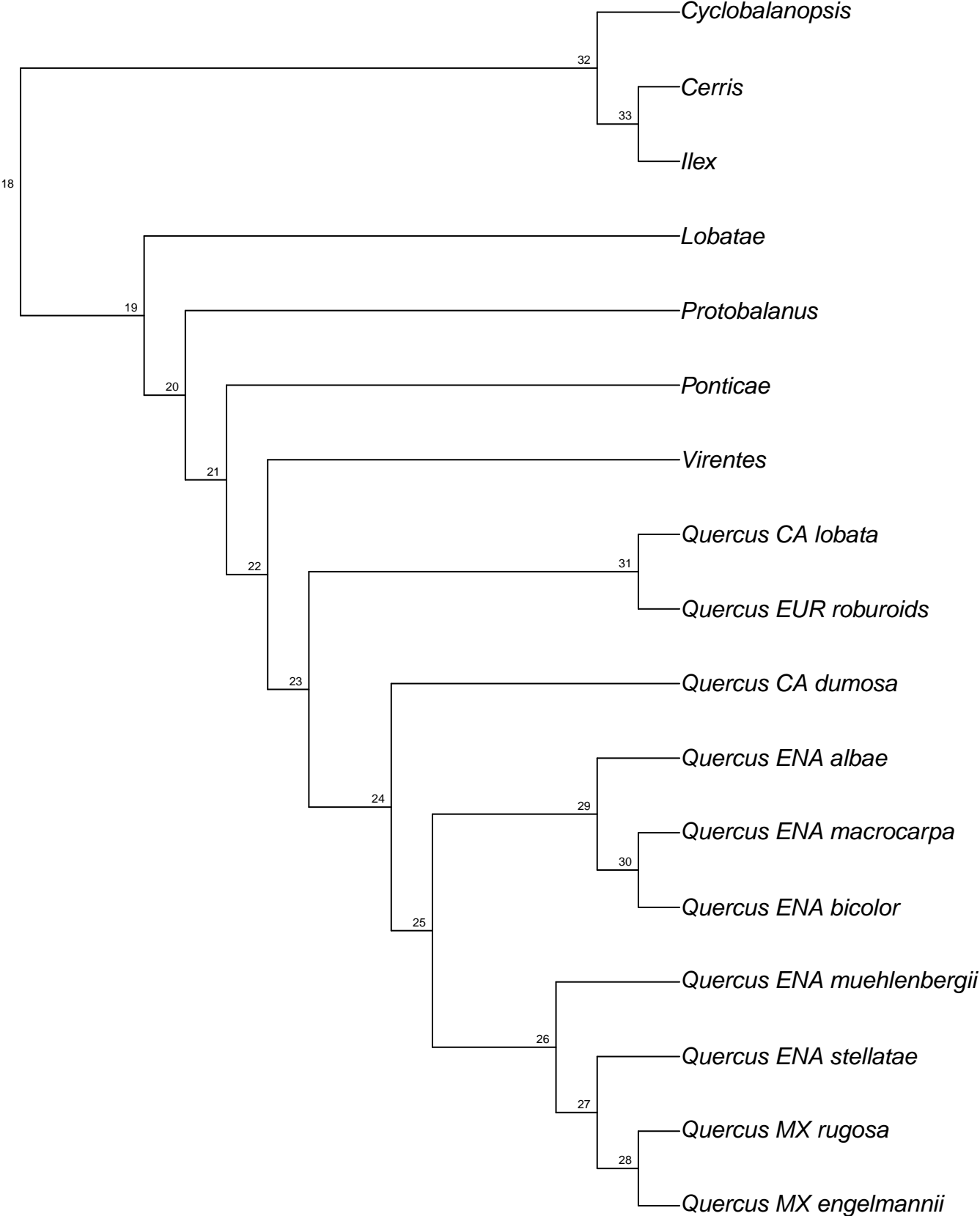


refRAD.ref\_variabilis\_raxml.bt033

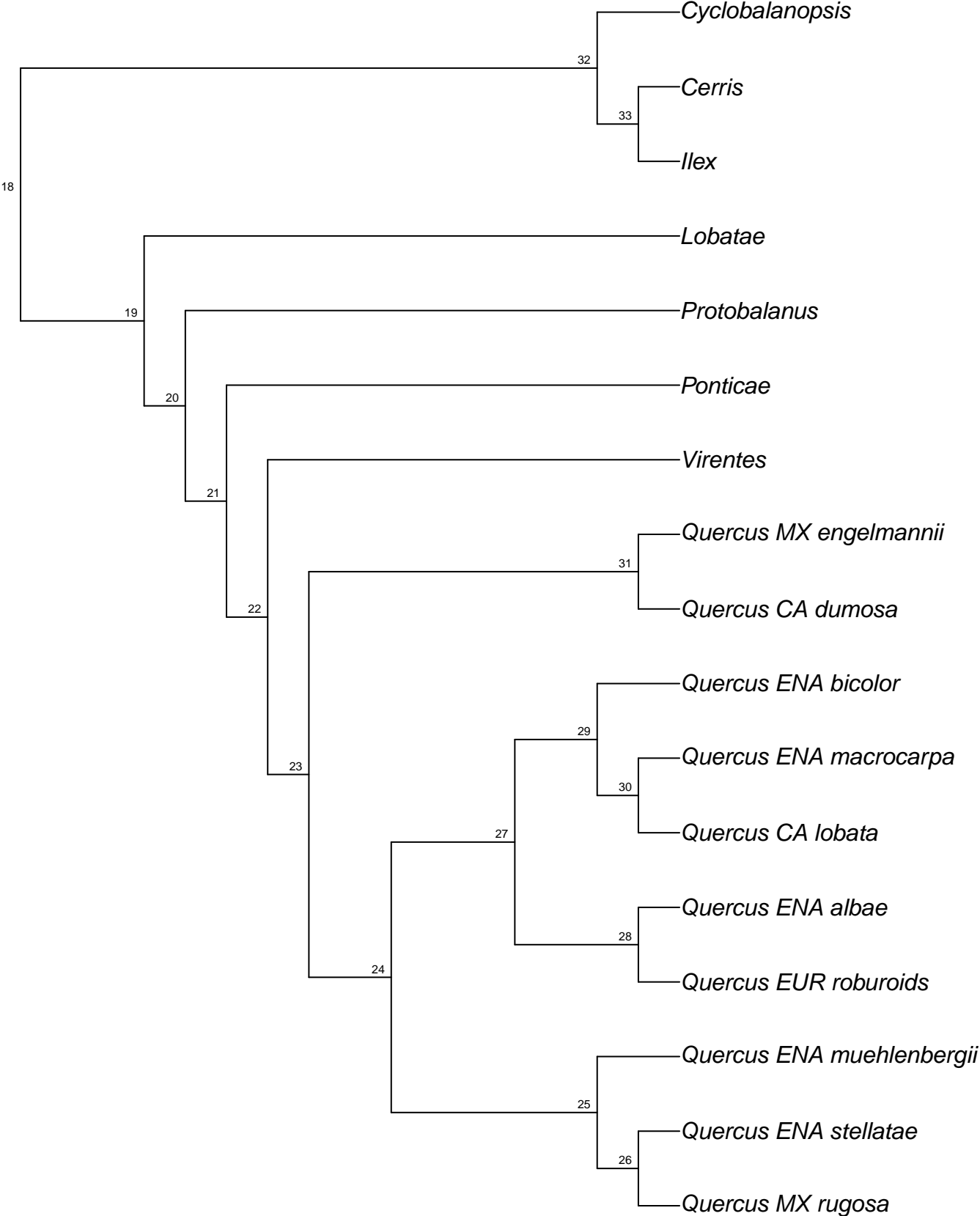




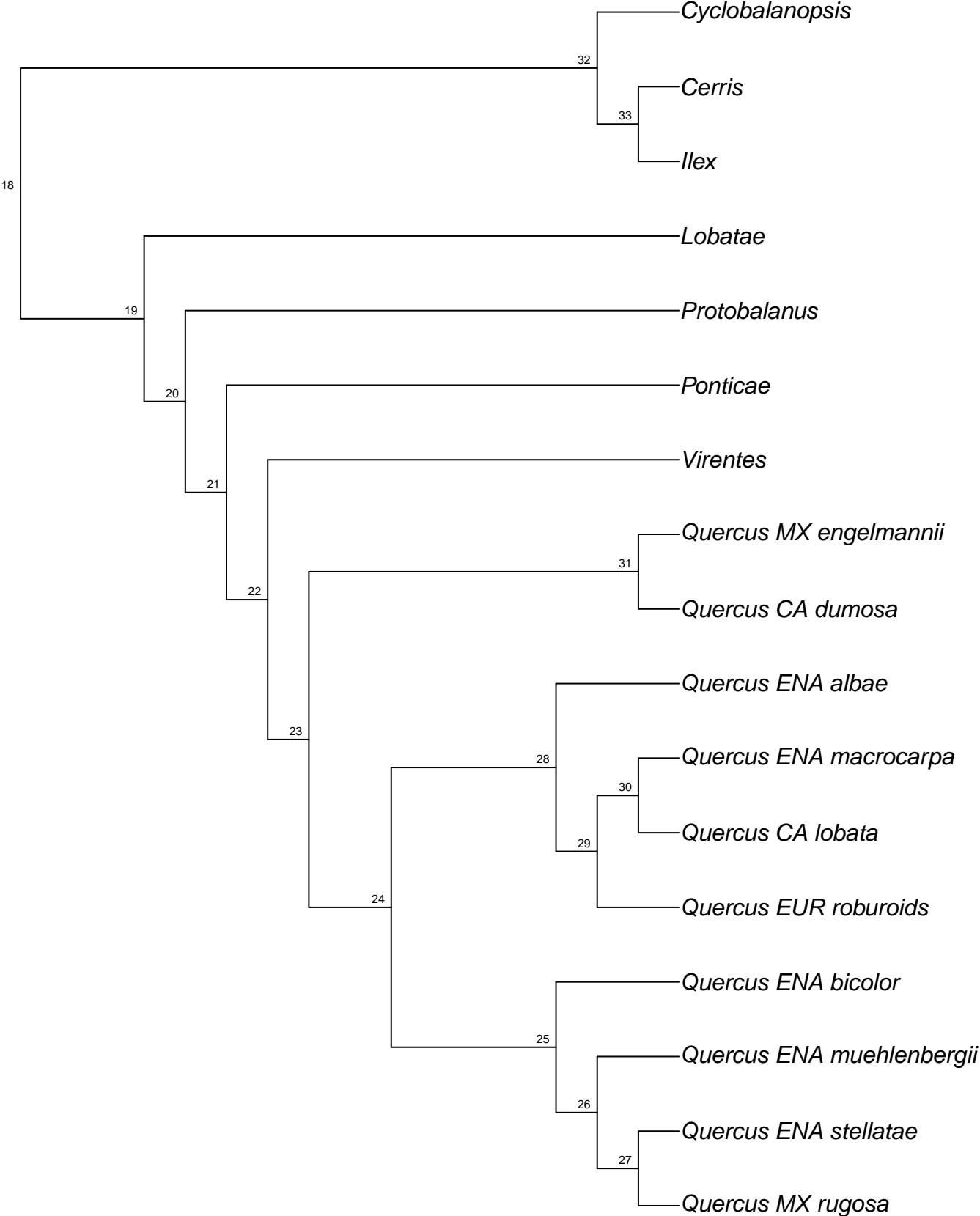
refRAD.ref\_variabilis\_raxml.bt034



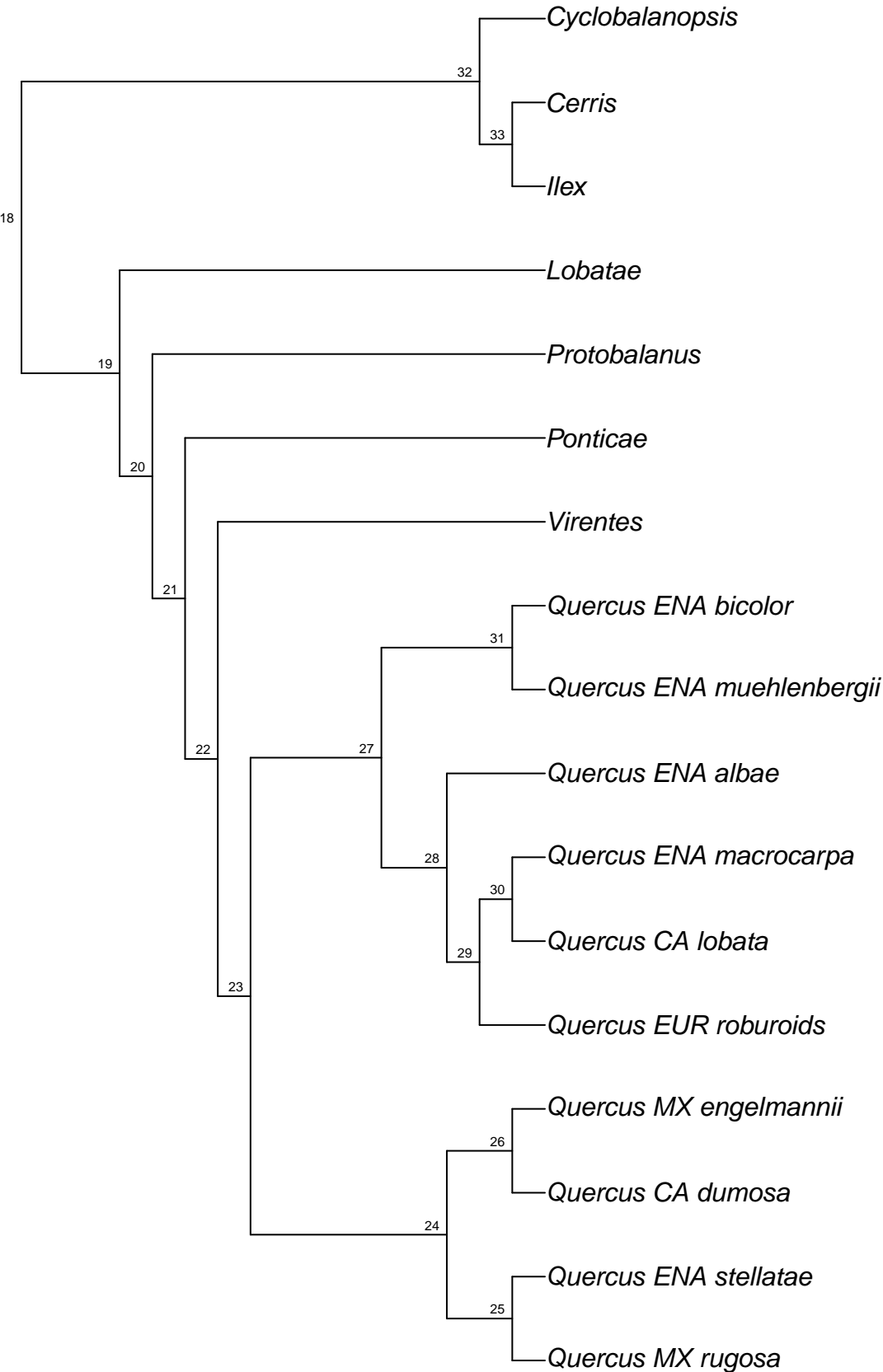
refRAD.ref\_variabilis\_raxml.bt035



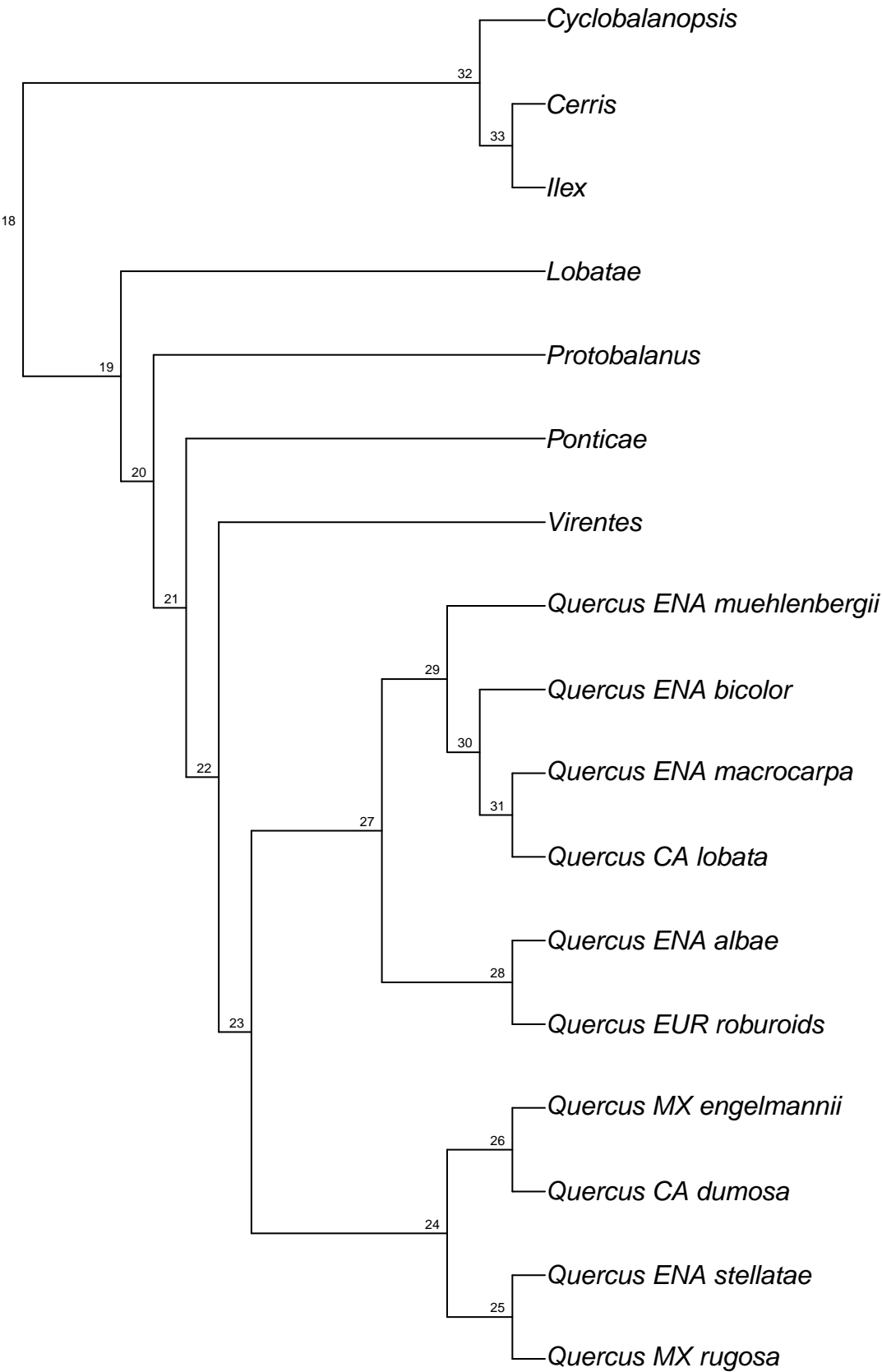
refRAD.ref\_variabilis\_raxml.bt036



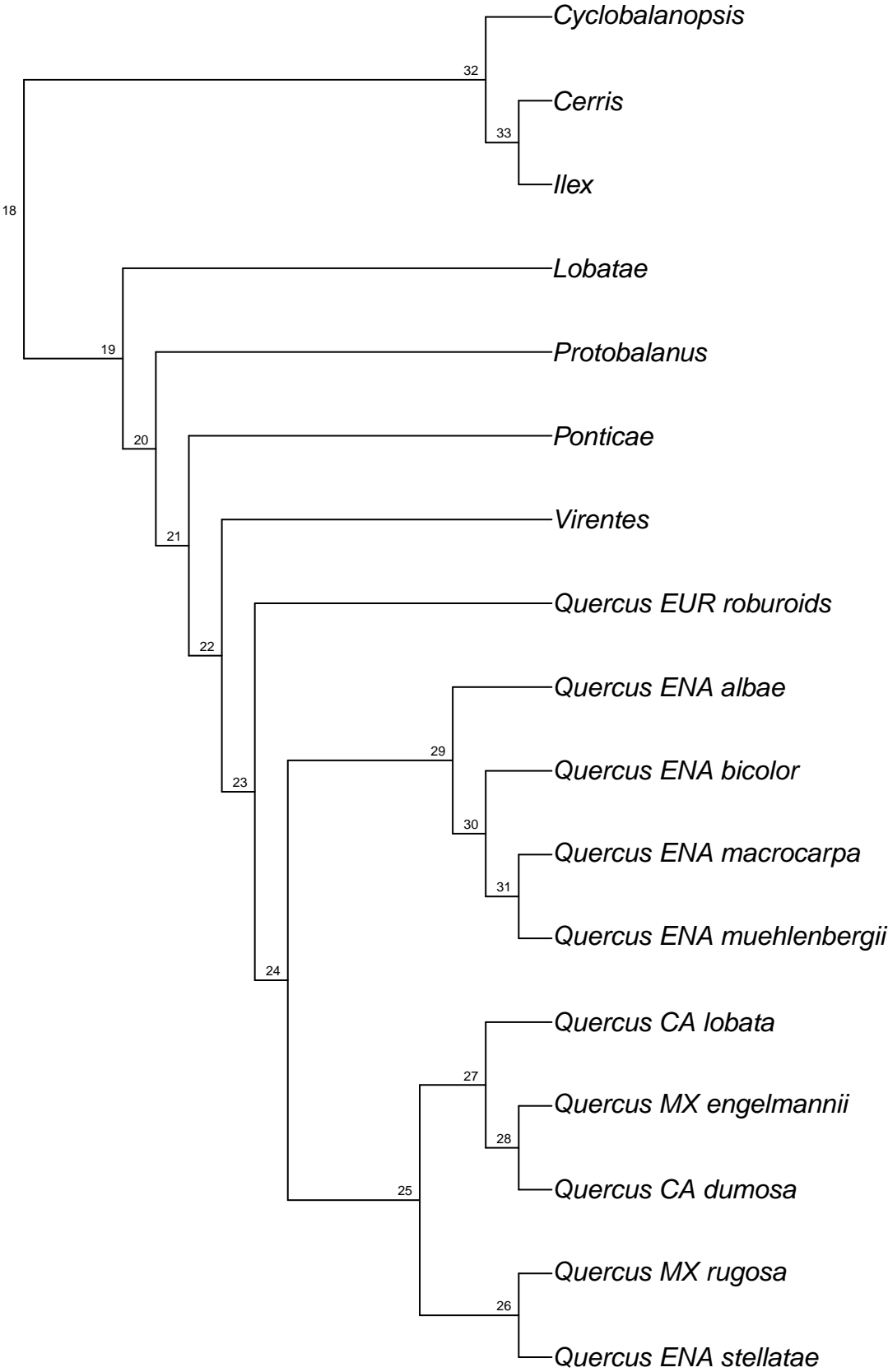
refRAD.ref\_variablis\_raxml.bt037



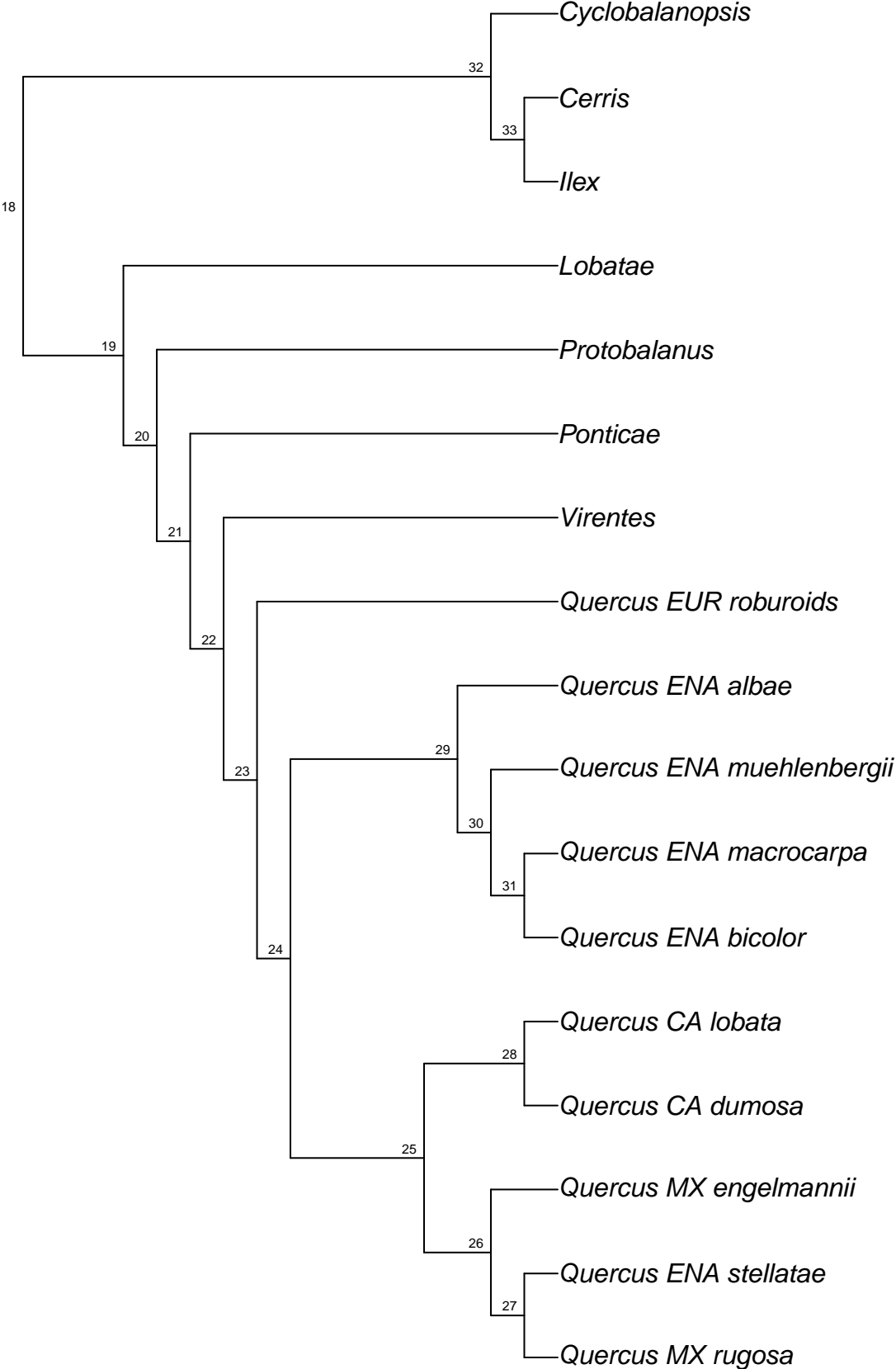
refRAD.ref\_variabilis\_raxml.bt038



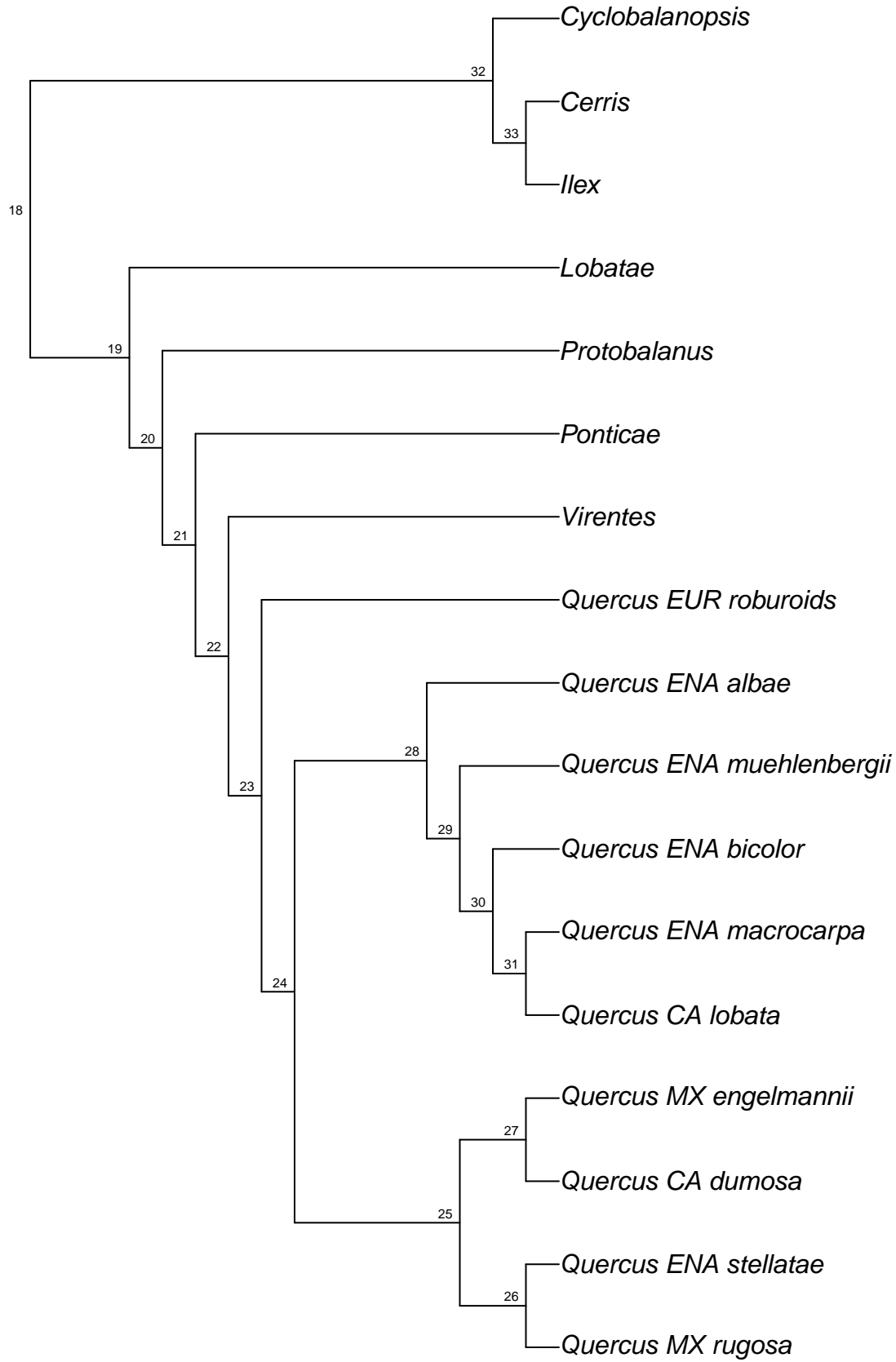
refRAD.ref\_variabilis\_raxml.bt039



refRAD.ref\_variabilis\_raxml.bt040

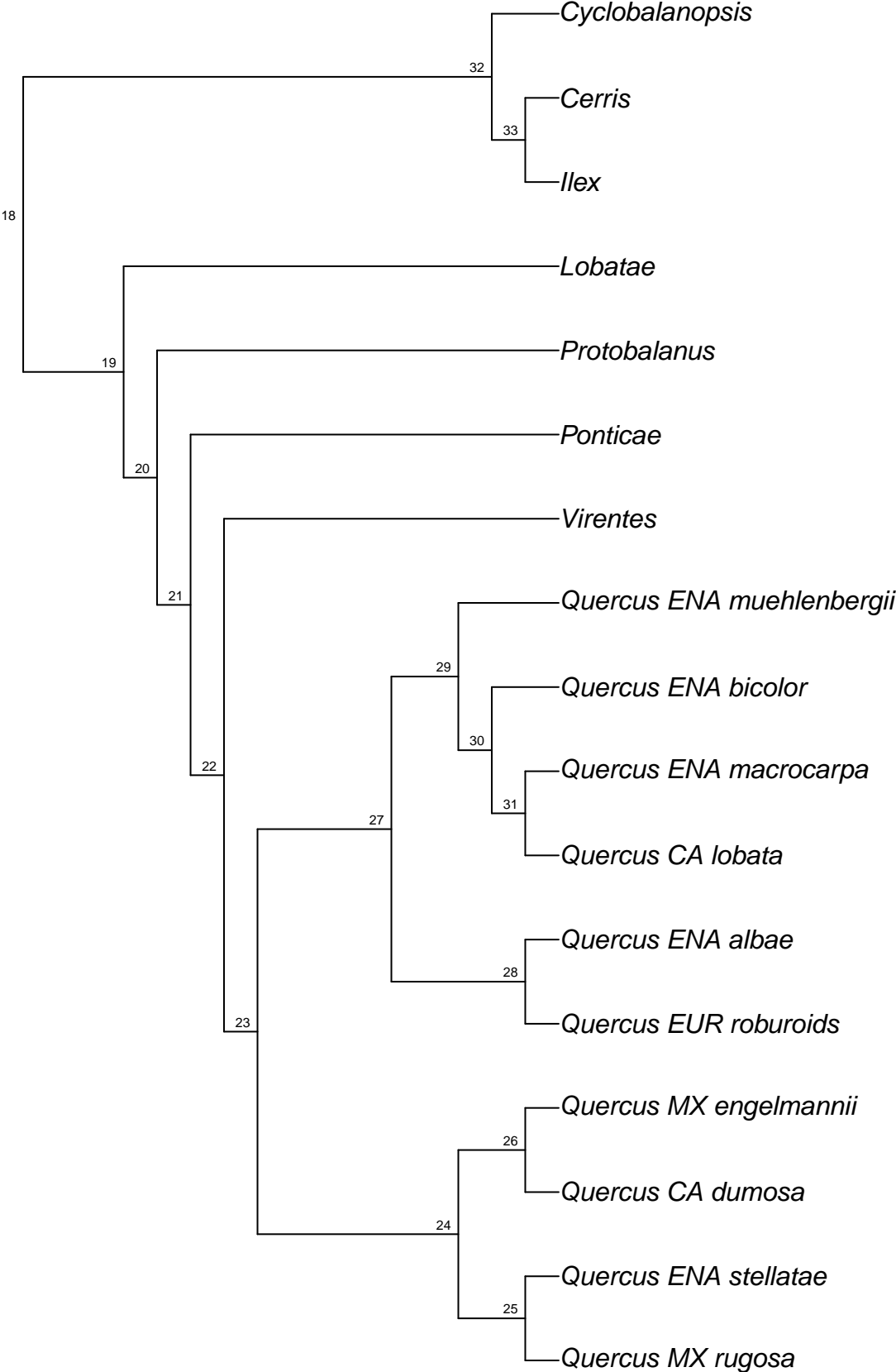


refRAD.ref\_variabilis\_raxml.bt041

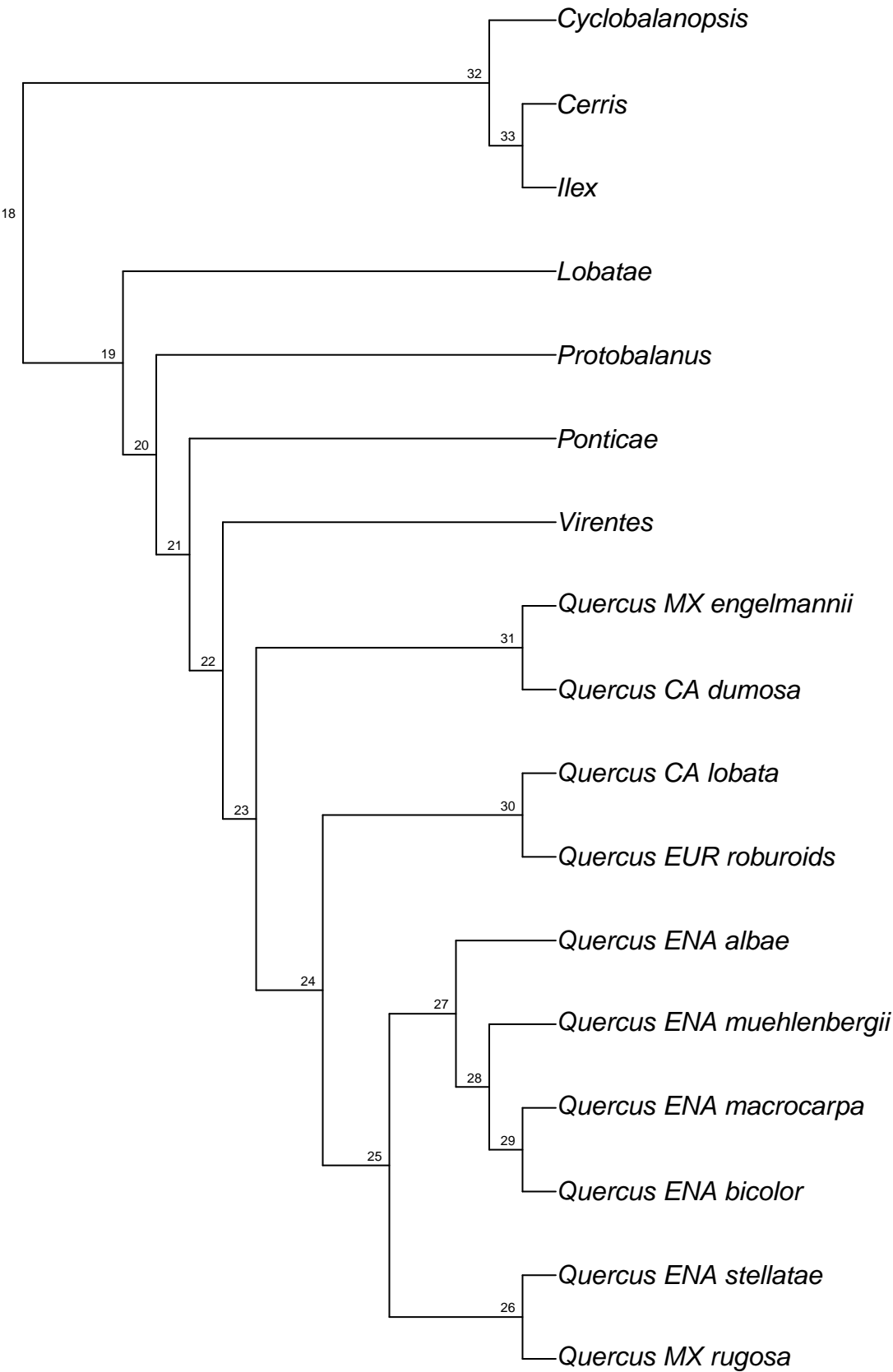




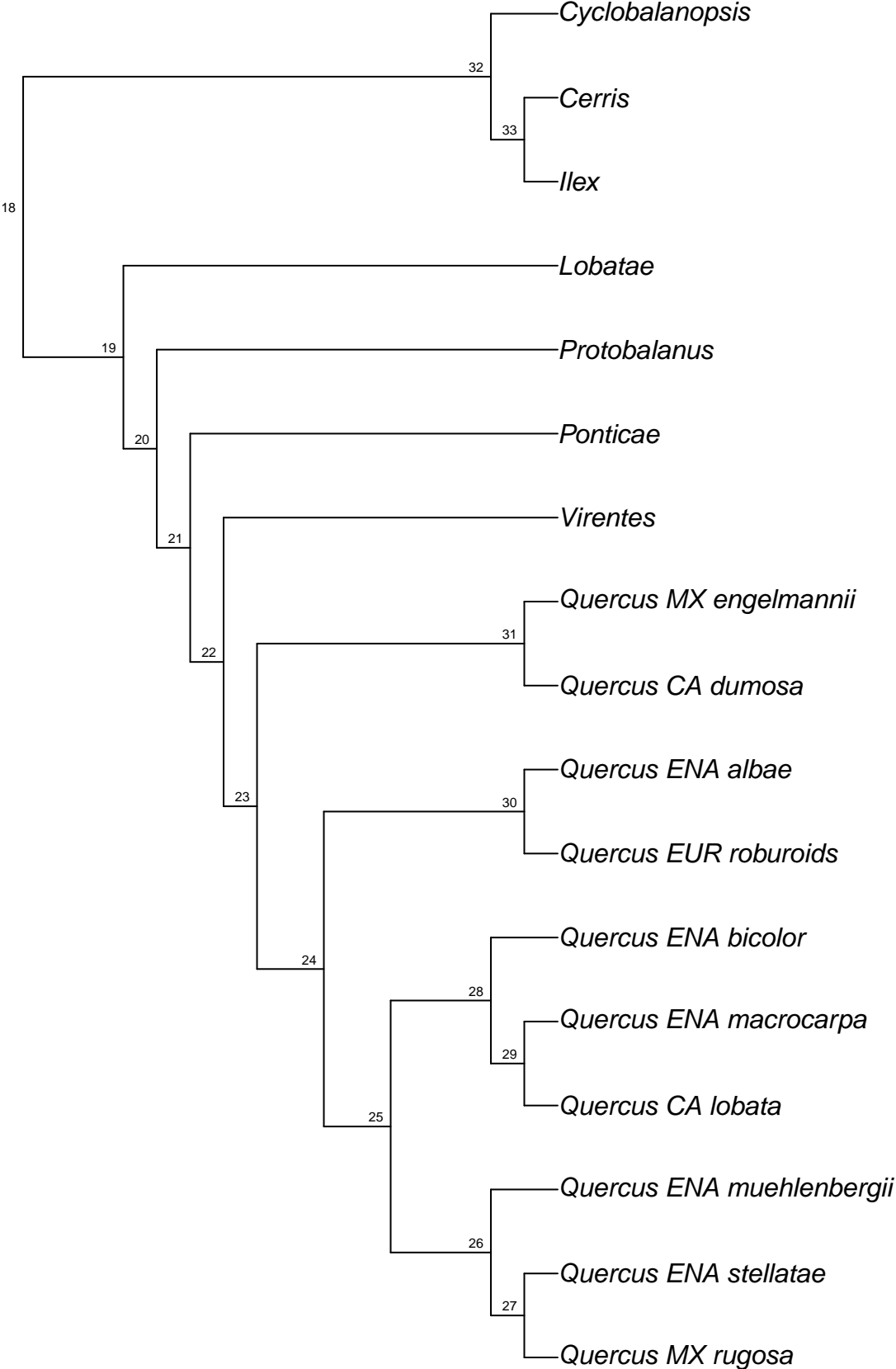
refRAD.ref\_variabilis\_raxml.bt042



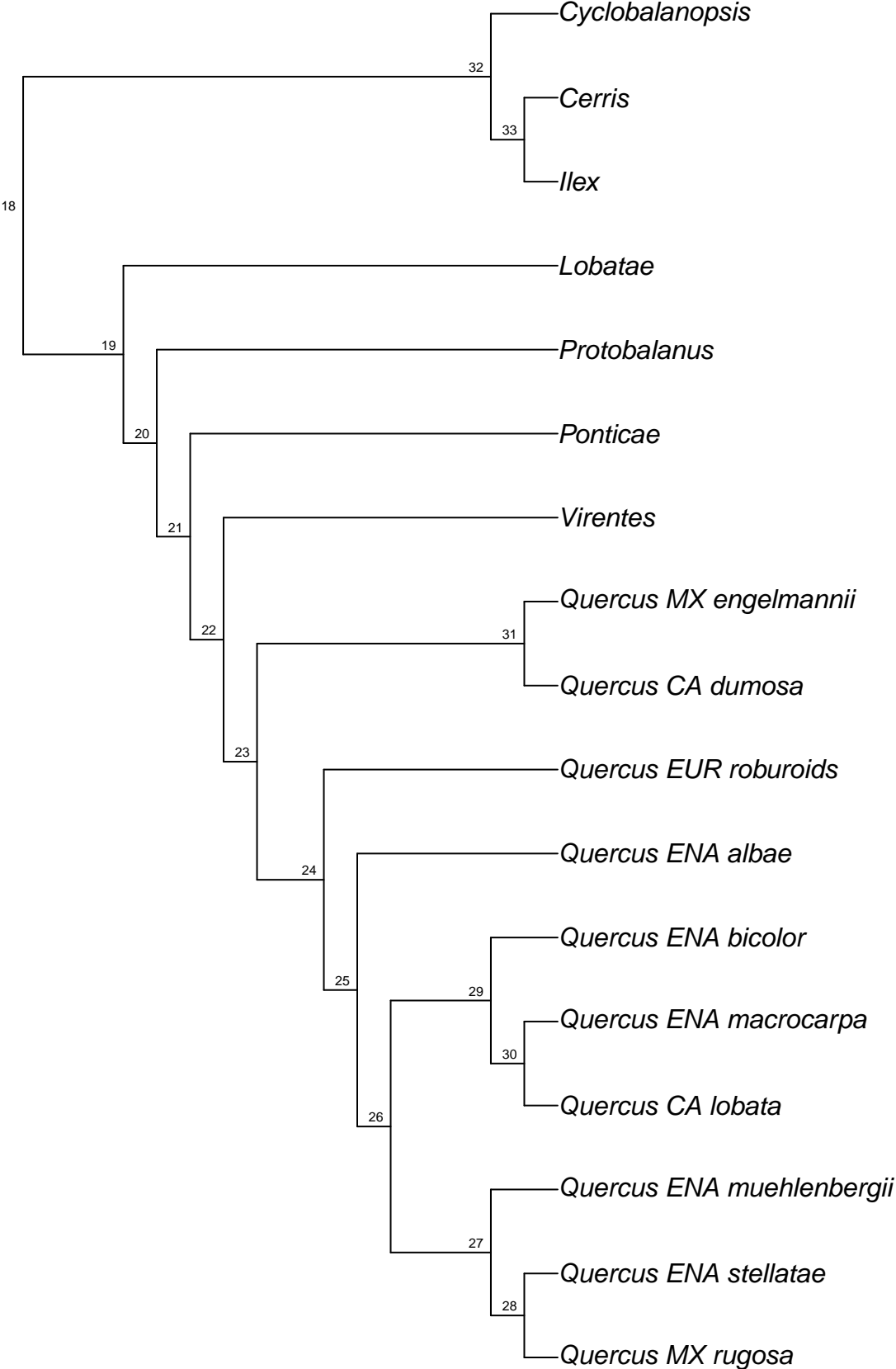
refRAD.ref\_variabilis\_raxml.bt043



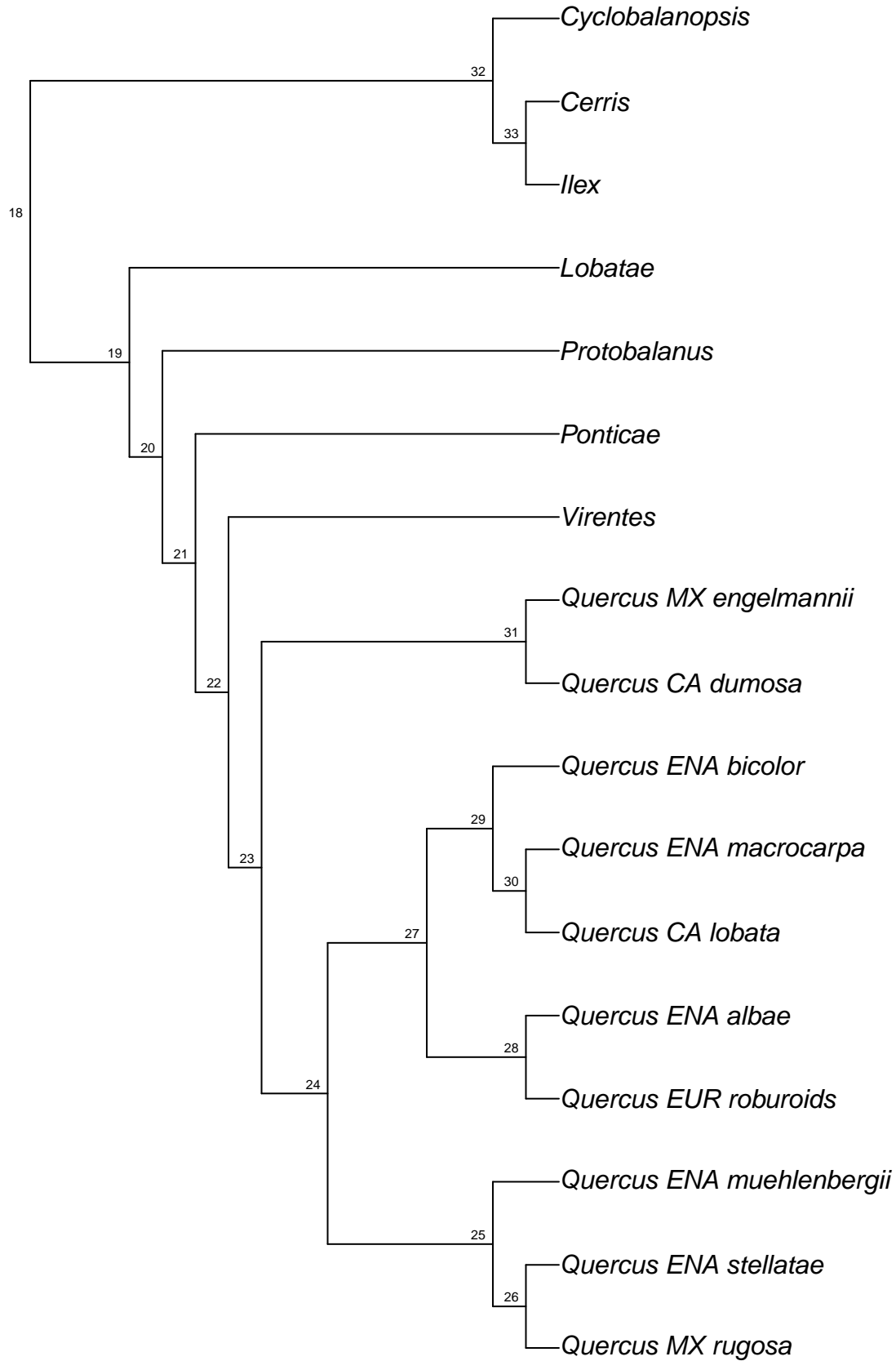
refRAD.ref\_variabilis\_raxml.bt044



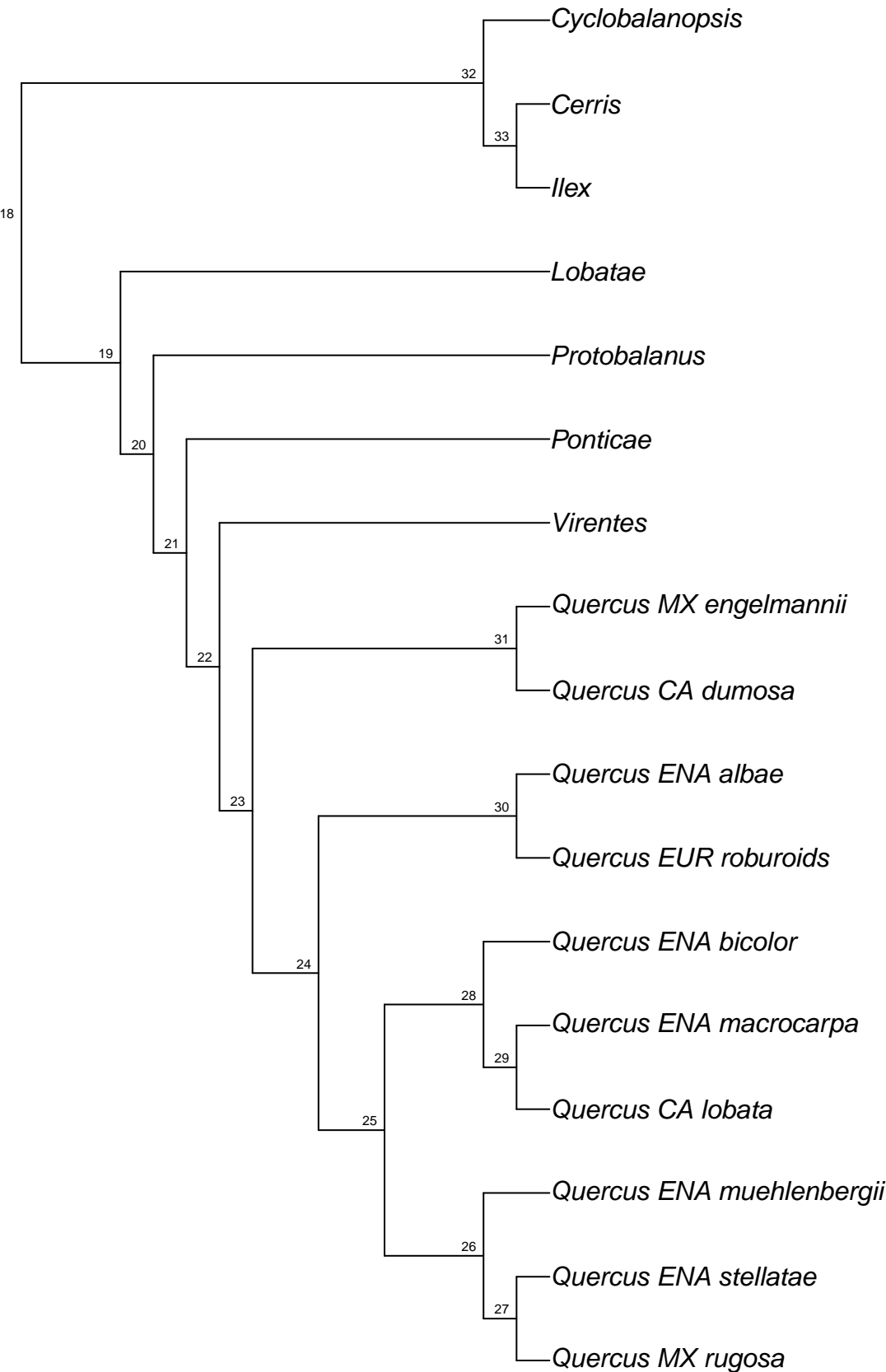
refRAD.ref\_variabilis\_raxml.bt045



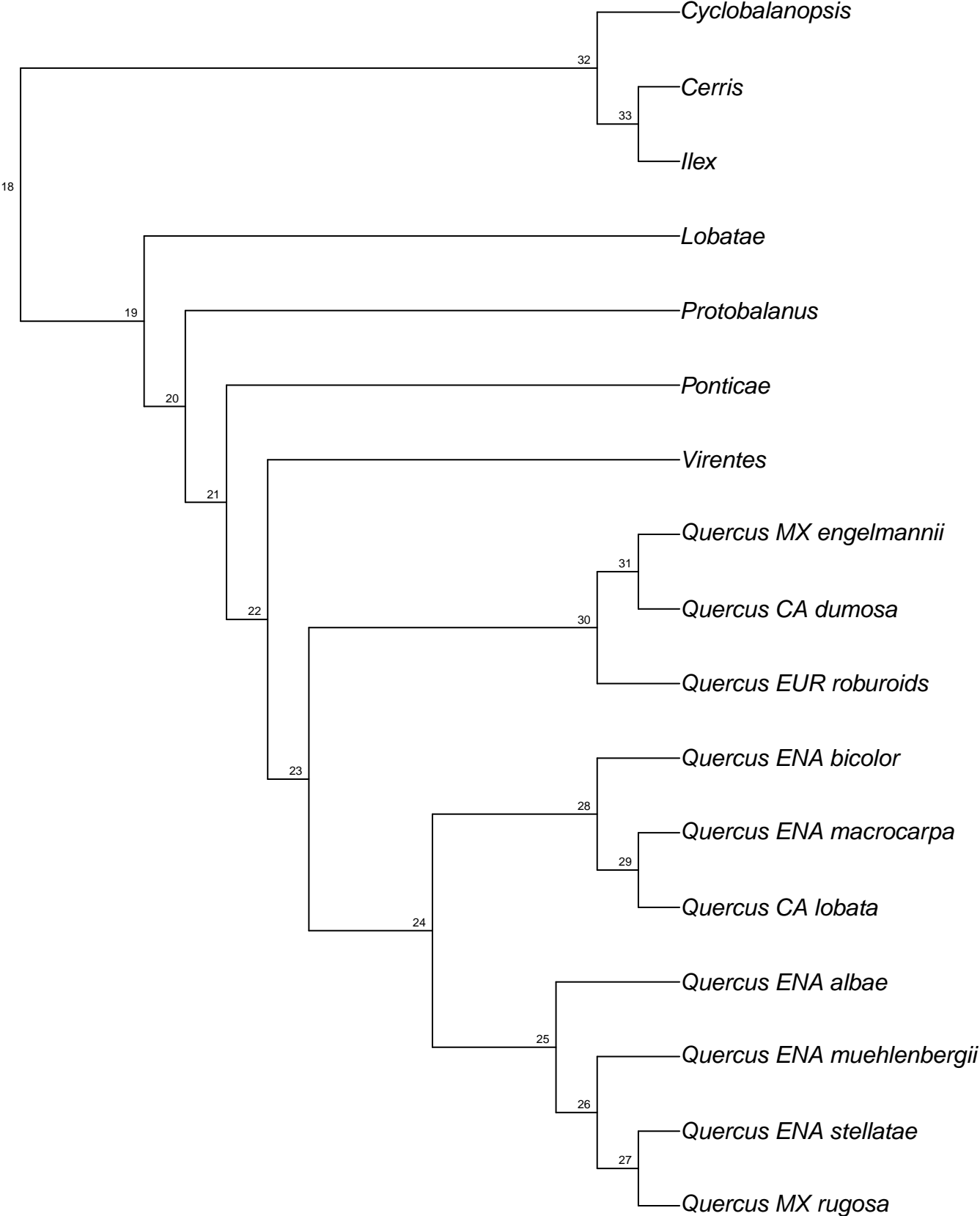
## refRAD.ref\_variabilis\_raxml.bt046



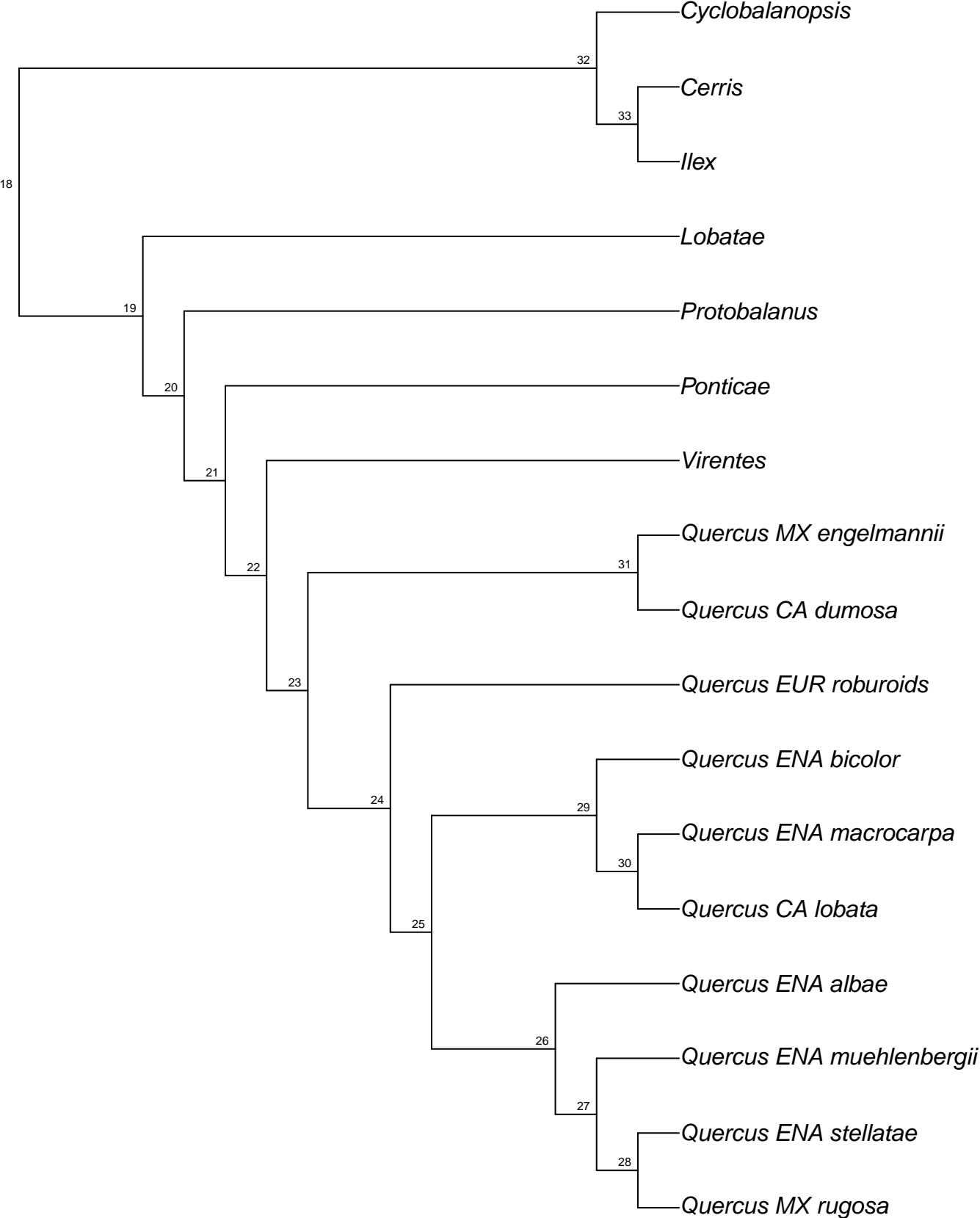
refRAD.ref\_variabilis\_raxml.bt047



refRAD.ref\_variabilis\_raxml.bt048

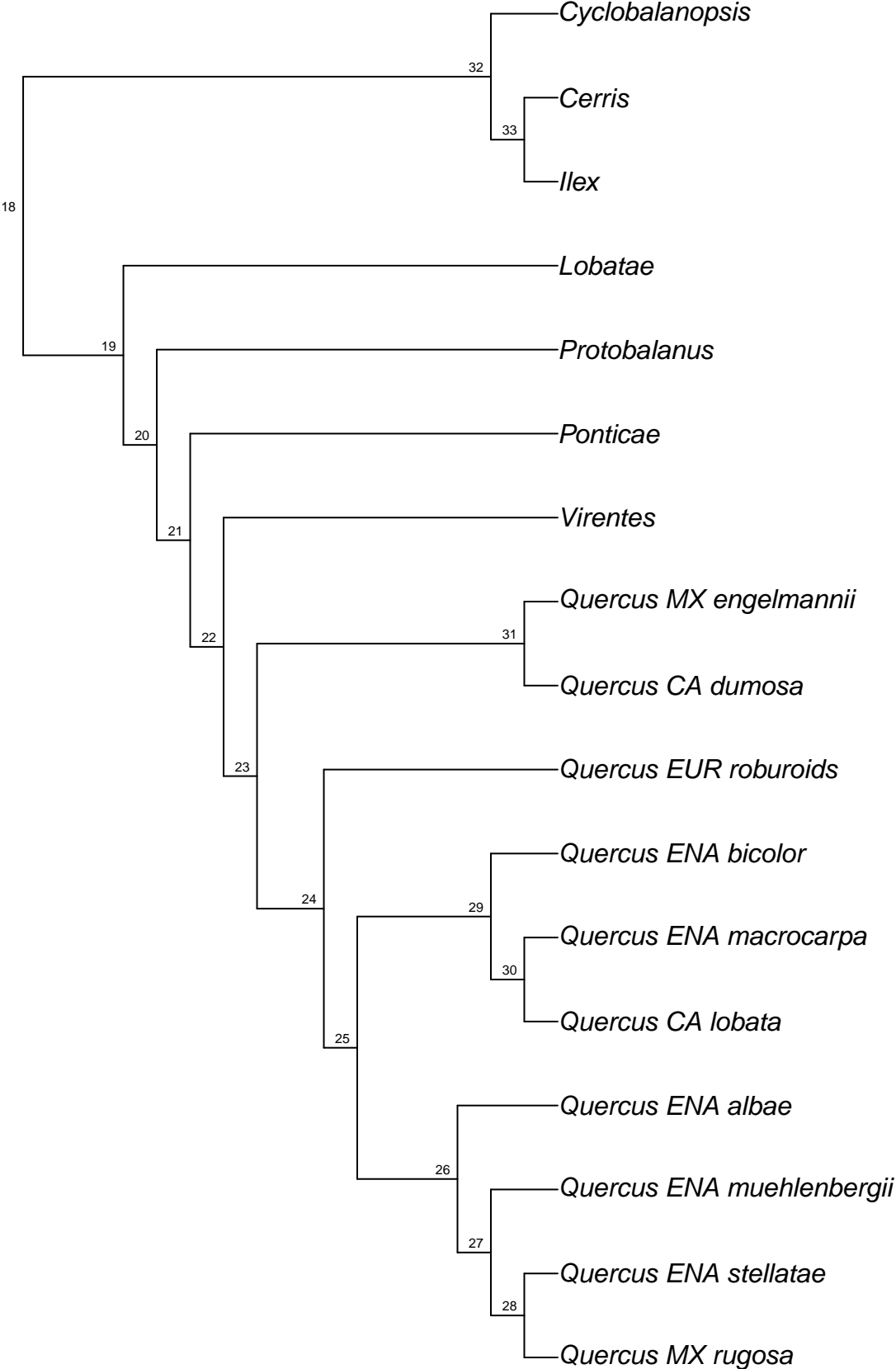


refRAD.ref\_variabilis\_raxml.bt049





refRAD.ref\_variabilis\_raxml.bt050

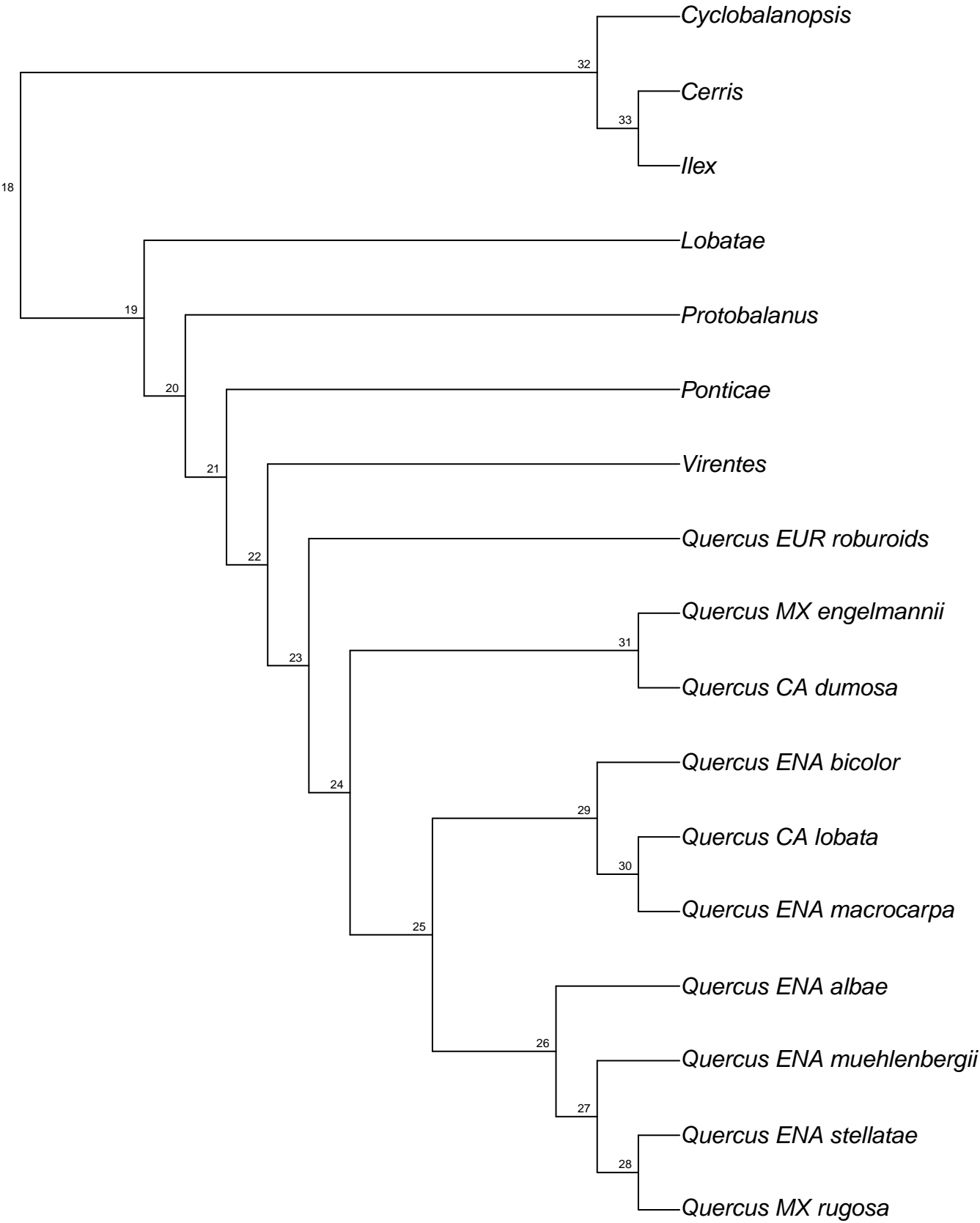


Phylogenetic tree showing relationships between *Quercus* species and outgroups, based on 18S rDNA sequences. Bootstrap values are indicated at the nodes.

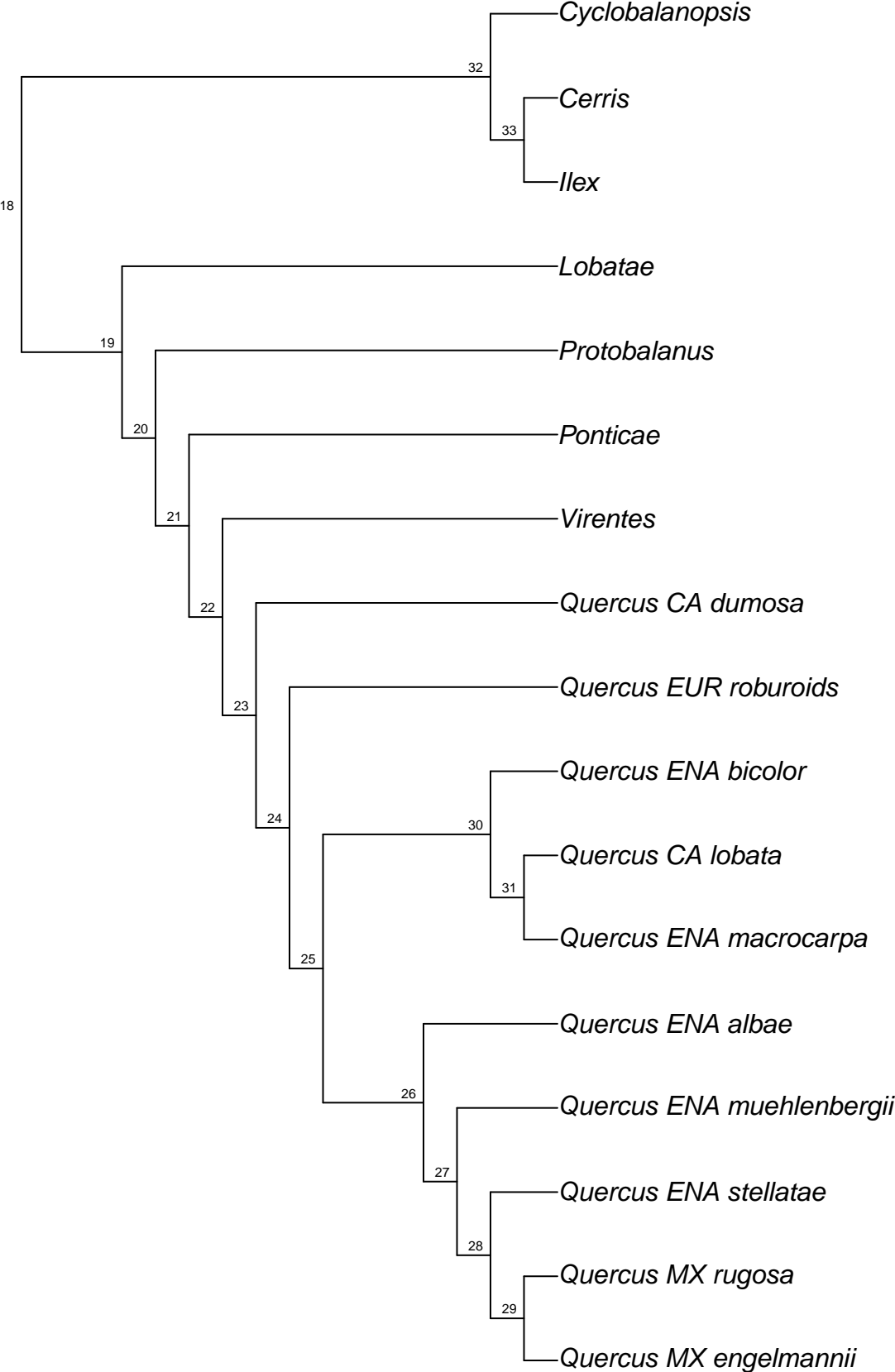
Species and their corresponding bootstrap values (in parentheses):

- Cyclobalanopsis* (32)
- Cerris* (33)
- Ilex* (33)
- Lobatae* (19)
- Protobalanus* (20)
- Ponticae* (21)
- Virentes* (22)
- Quercus ENA muehlenbergii* (29)
- Quercus ENA bicolor* (30)
- Quercus CA lobata* (31)
- Quercus ENA macrocarpa* (31)
- Quercus MX engelmannii* (28)
- Quercus CA dumosa* (28)
- Quercus ENA albae* (27)
- Quercus EUR roburoids* (27)
- Quercus ENA stellatae* (24)
- Quercus MX rugosa* (24)

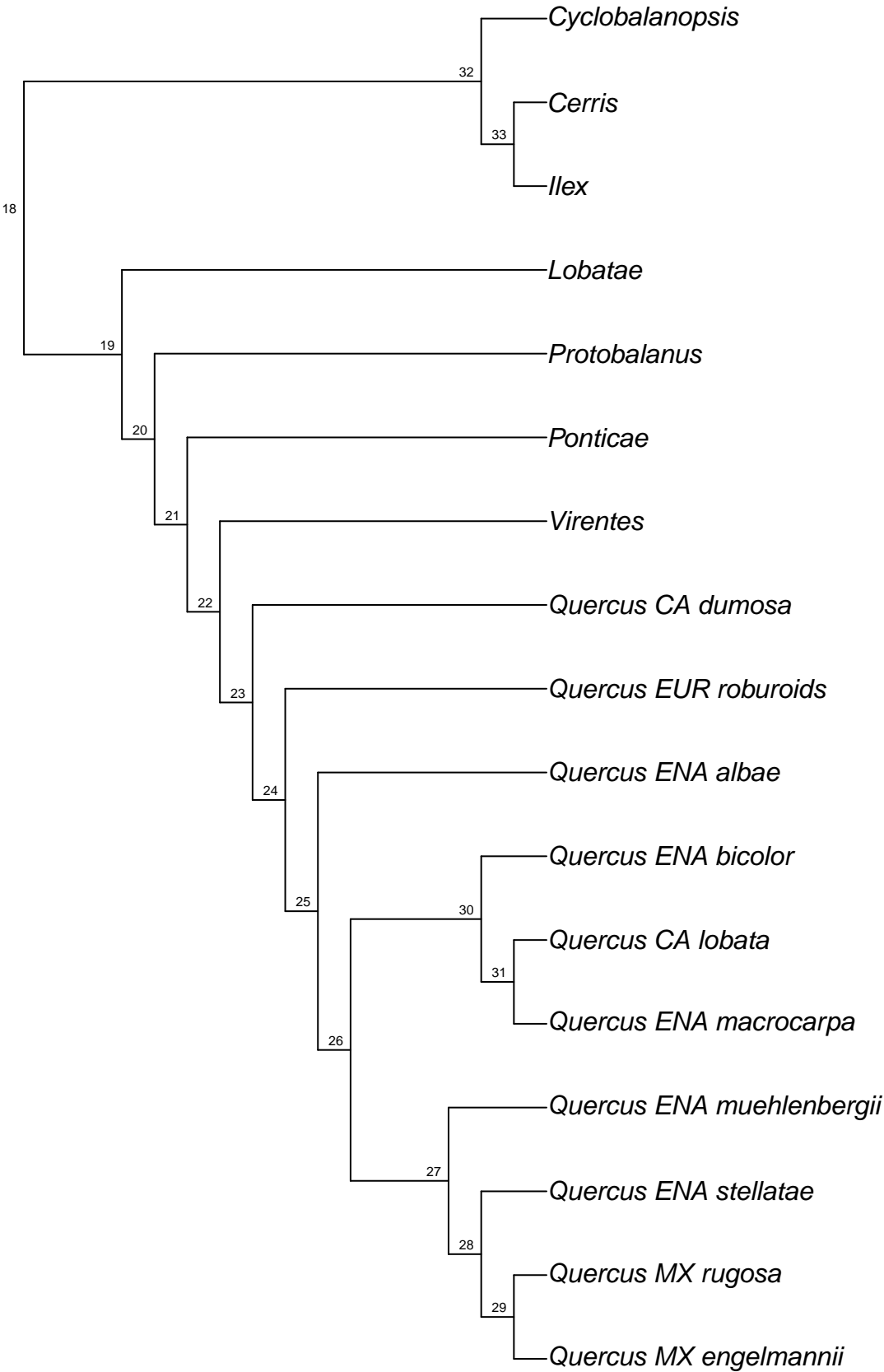
refRAD.ref\_variabilis\_raxml.bt052



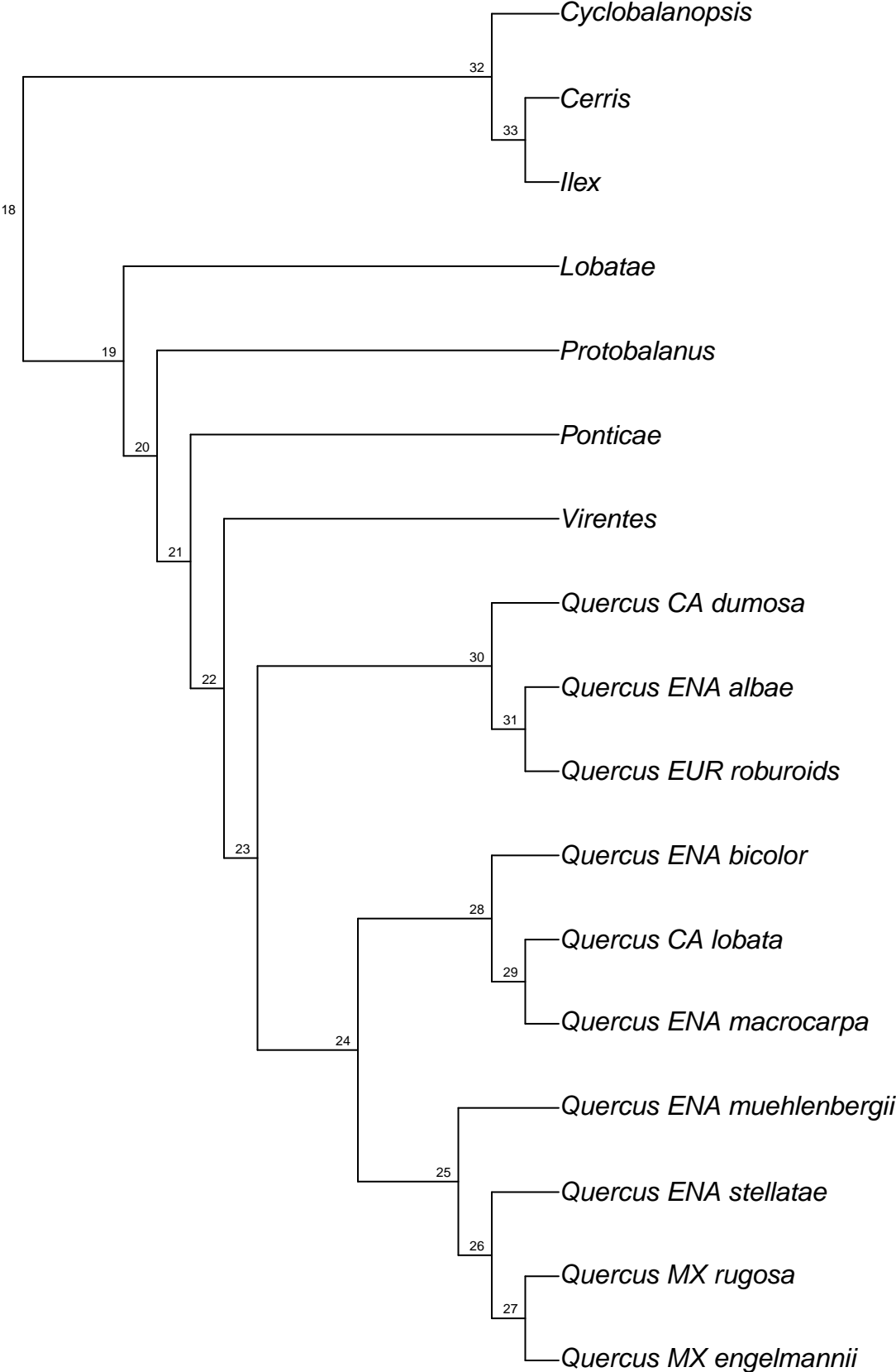
refRAD.ref\_variabilis\_raxml.bt053



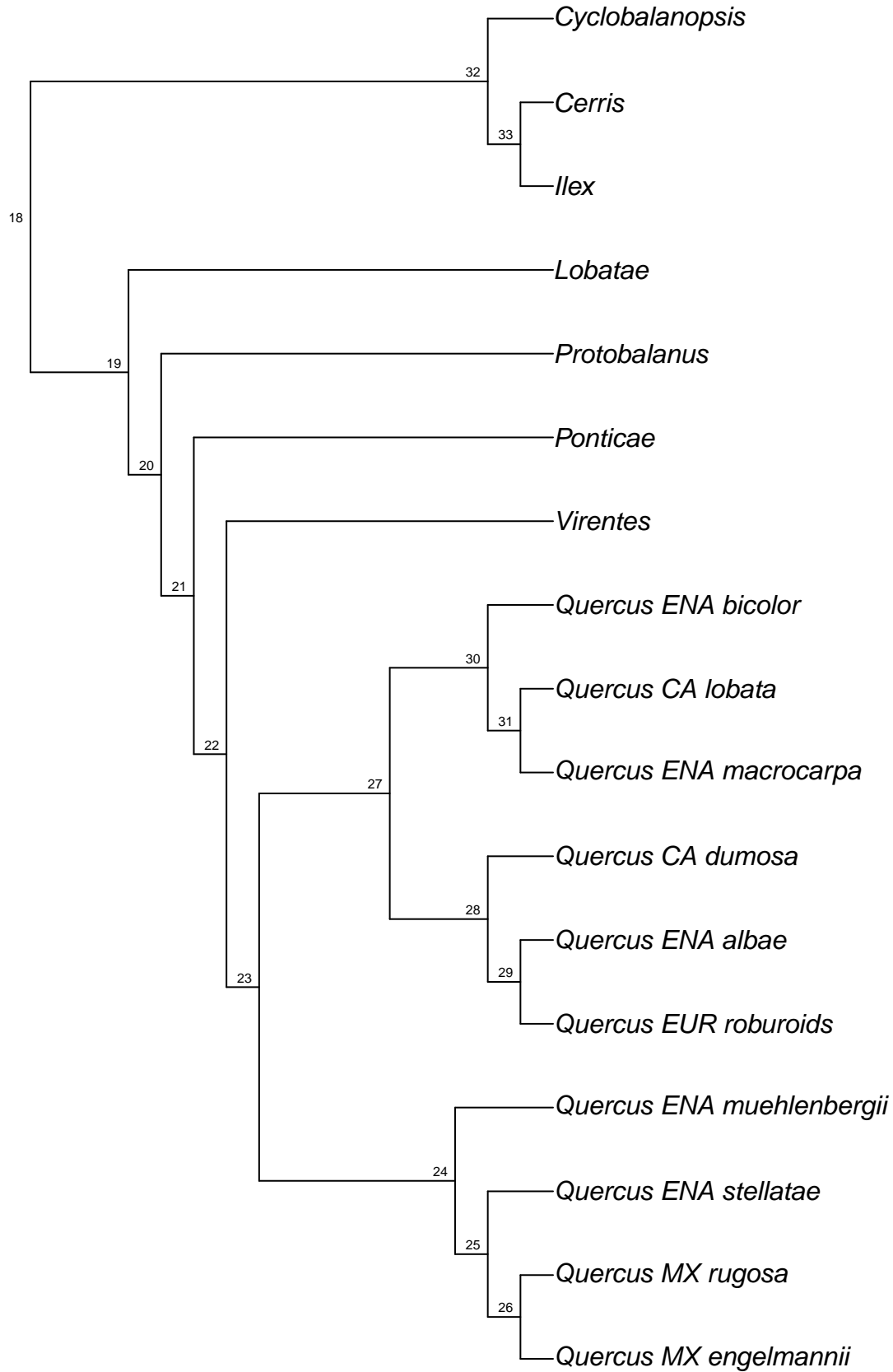
refRAD.ref\_variabilis\_raxml.bt054



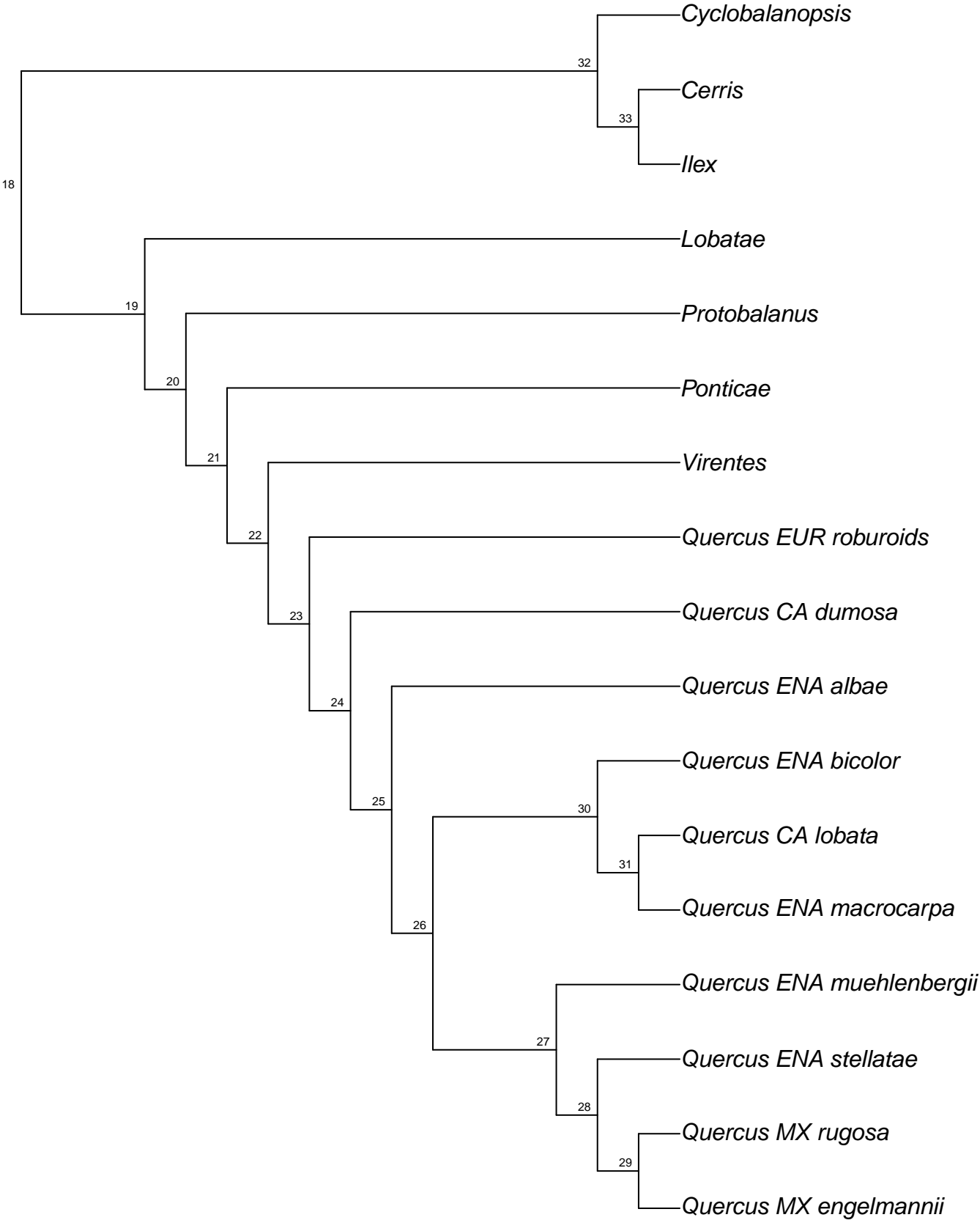
refRAD.ref\_variabilis\_raxml.bt055



refRAD.ref\_variabilis\_raxml.bt056

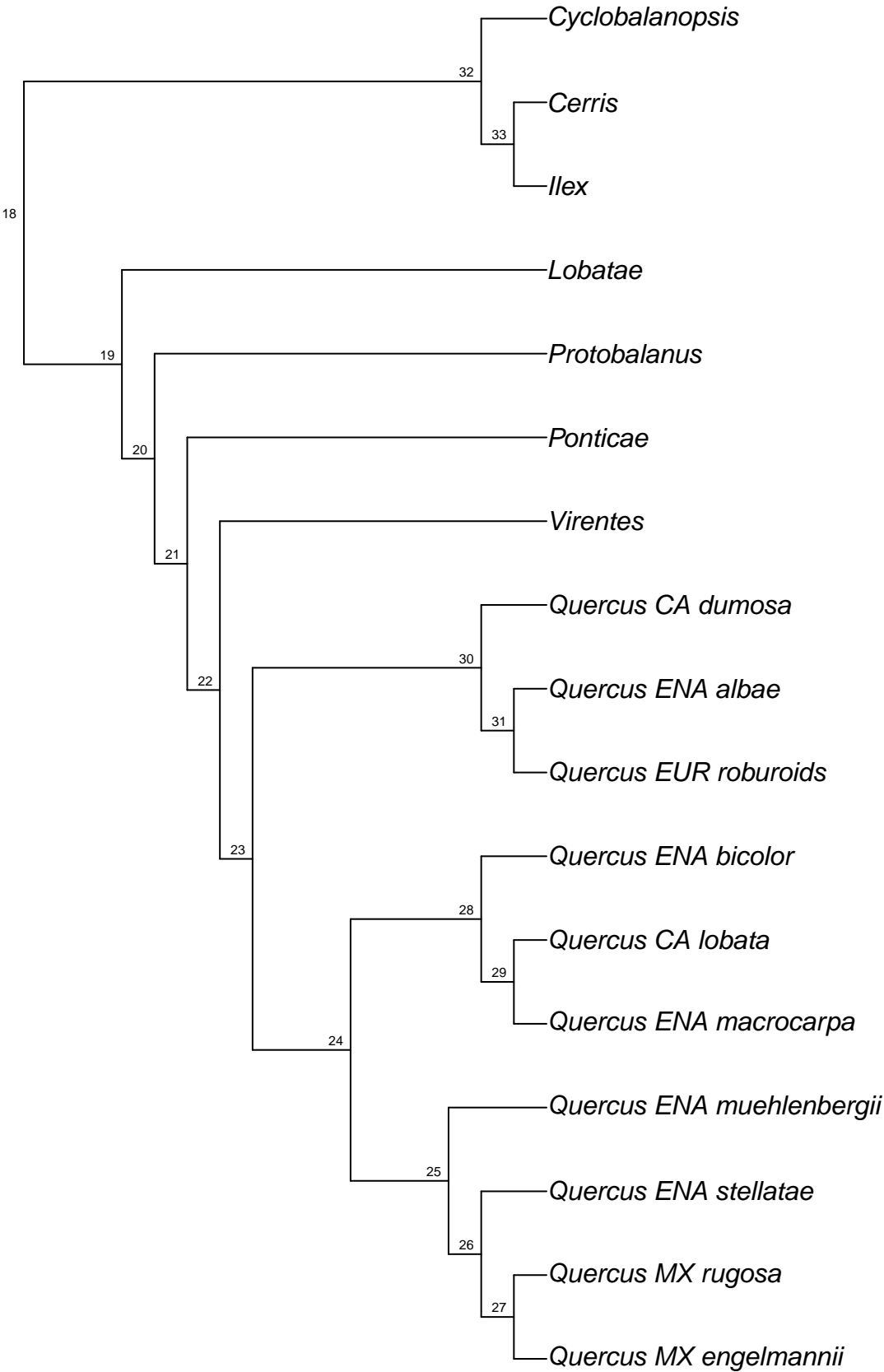


refRAD.ref\_variabilis\_raxml.bt057

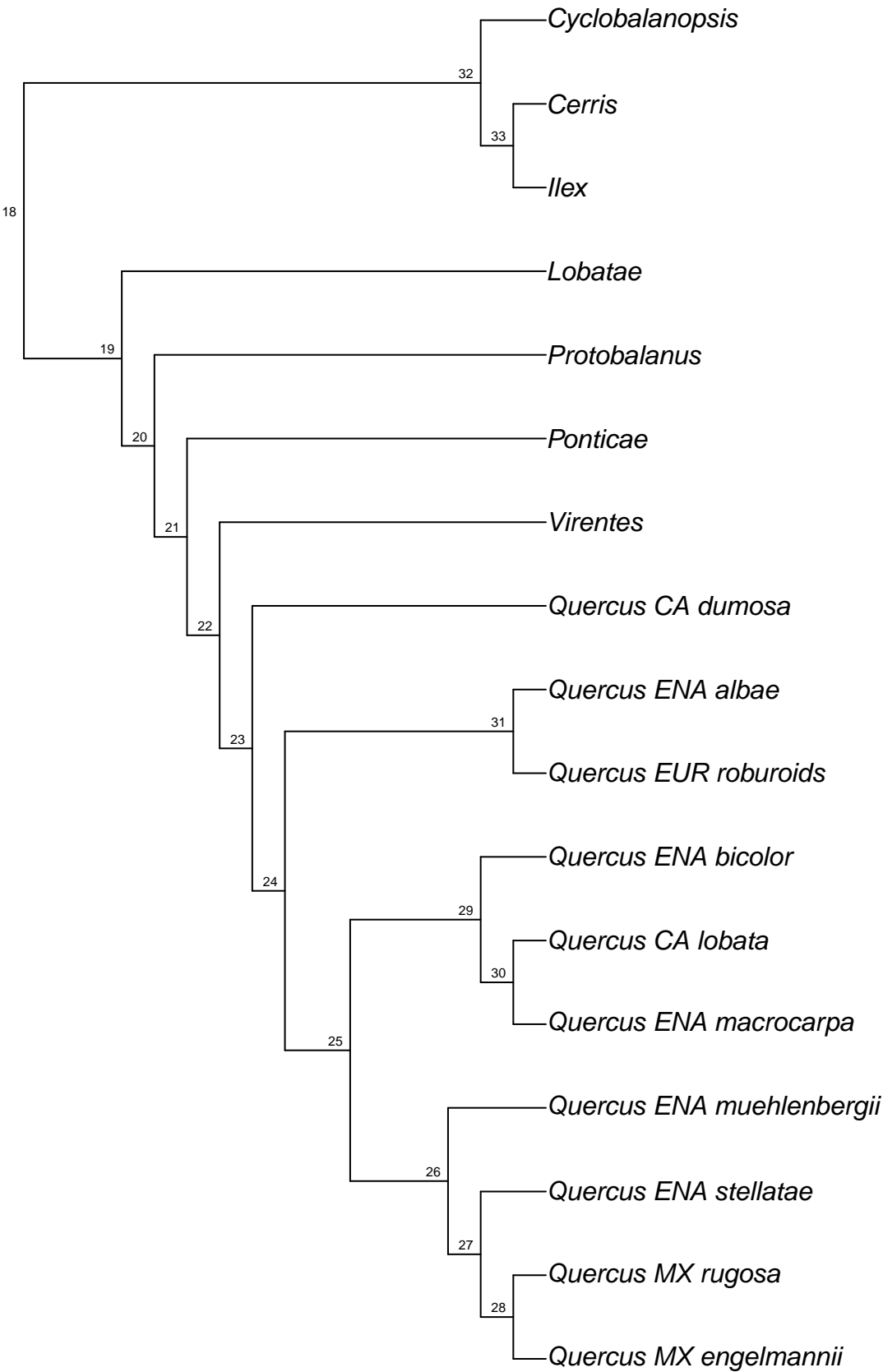




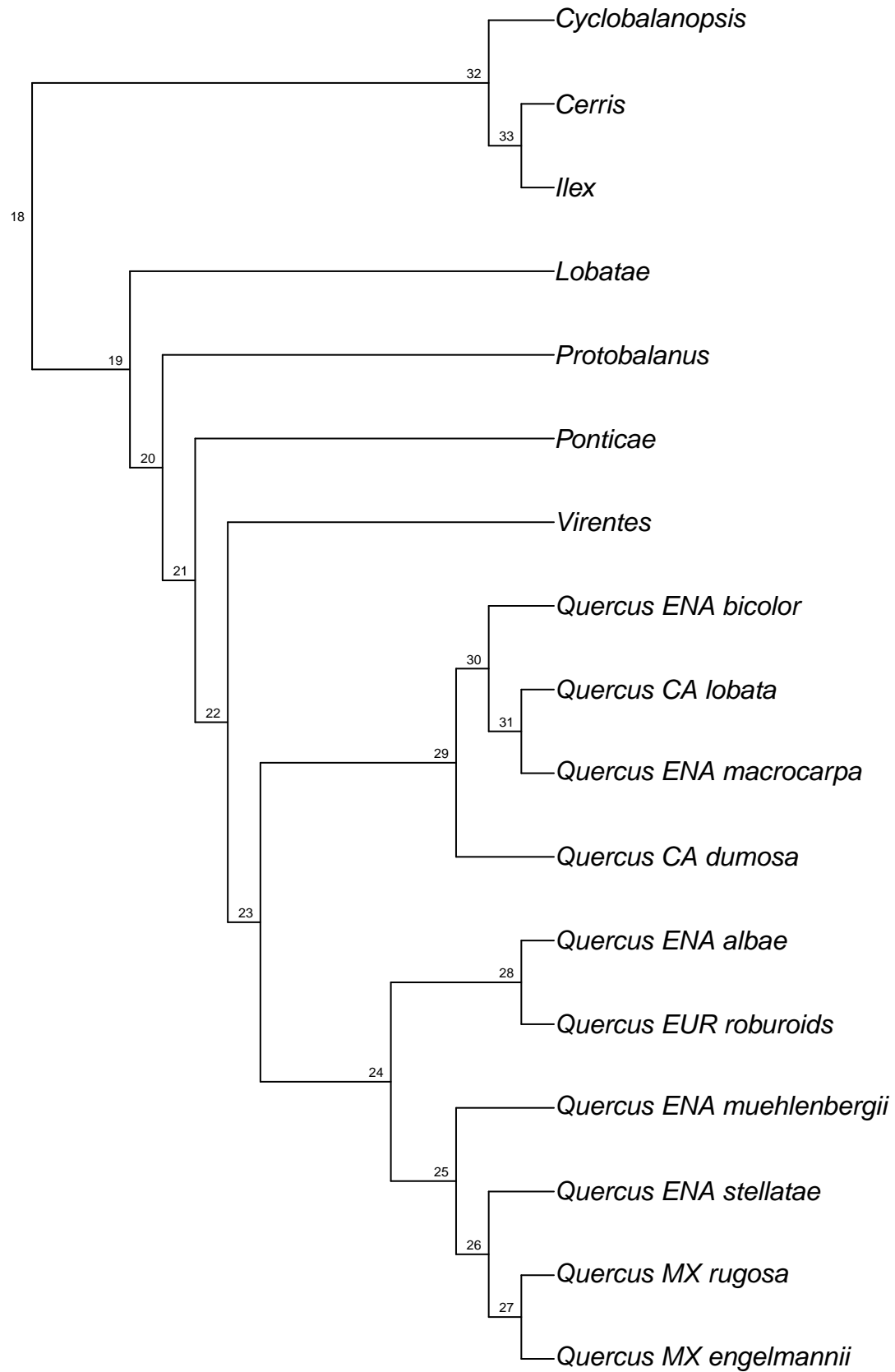
refRAD.ref\_variabilis\_raxml.bt058



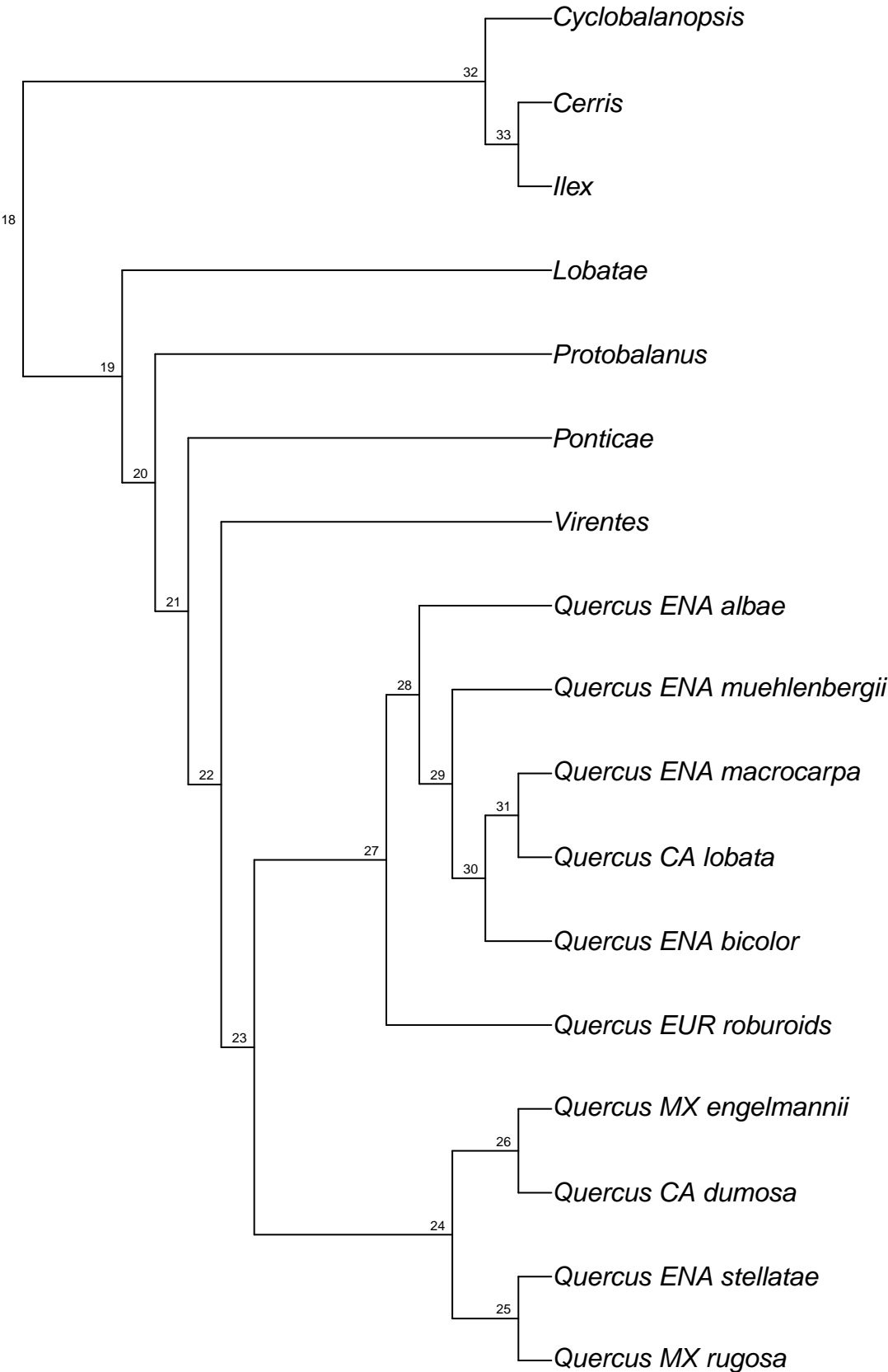
refRAD.ref\_variabilis\_raxml.bt059



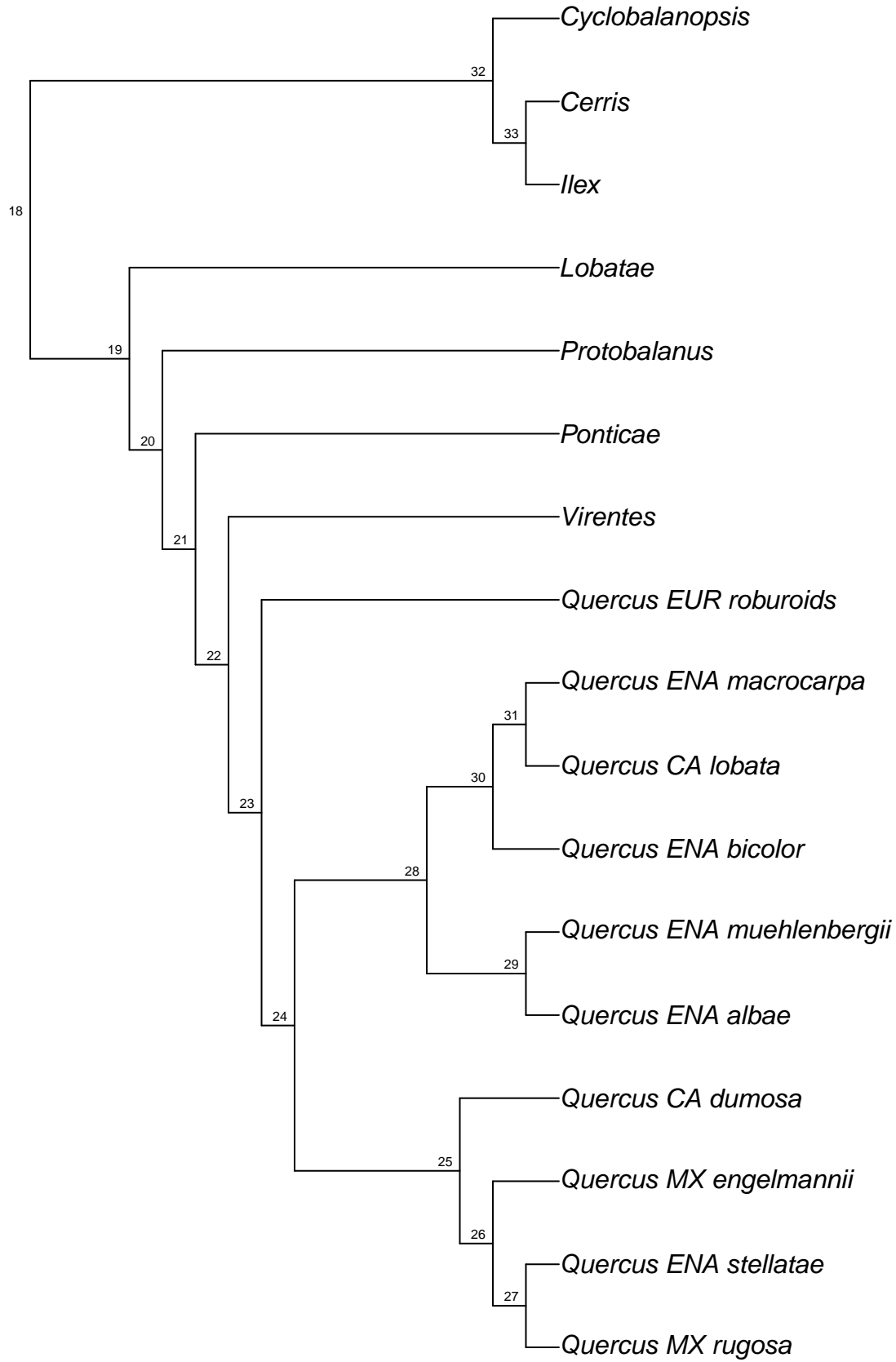
## refRAD.ref\_variabilis\_raxml.bt060



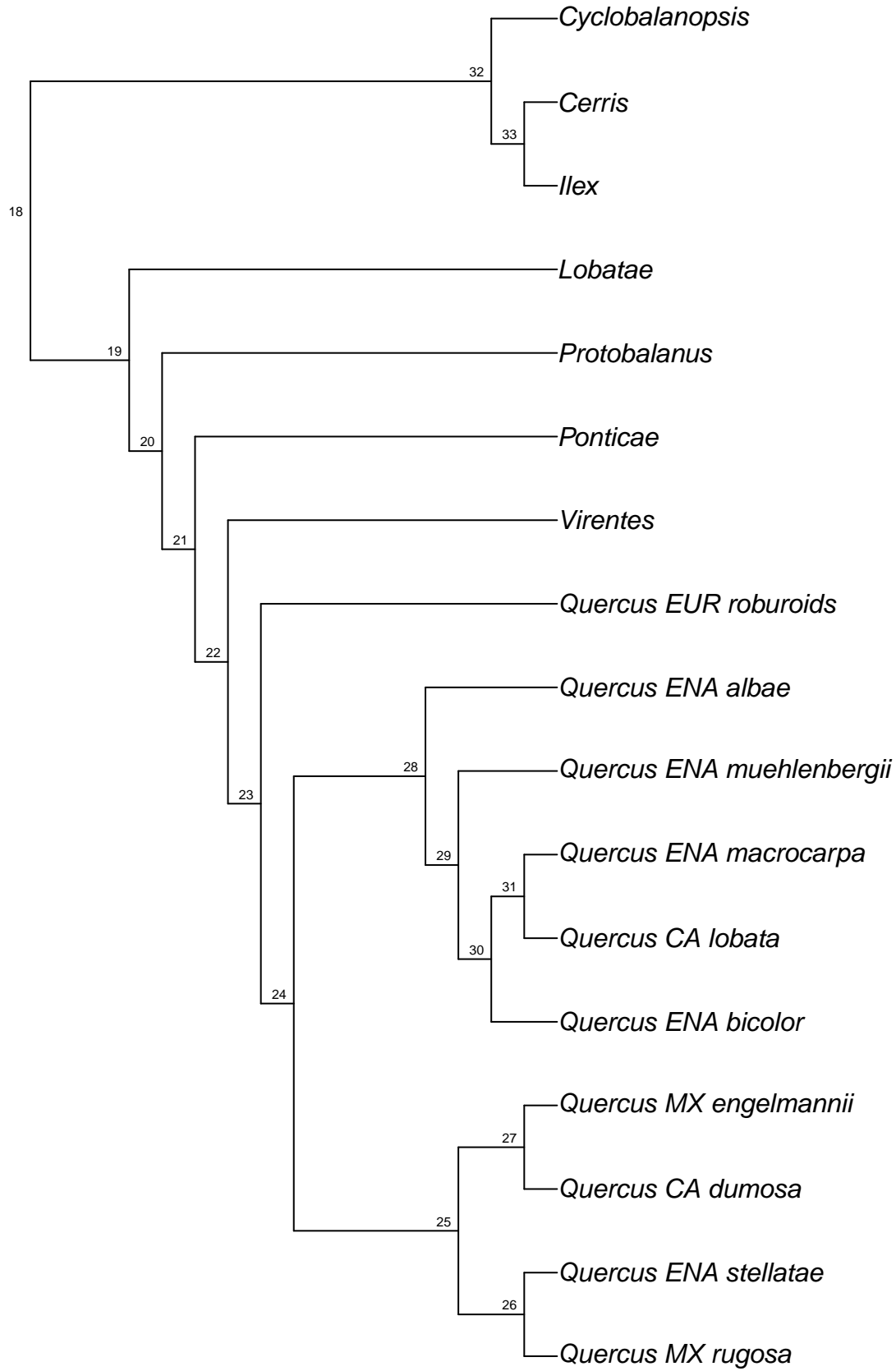
refRAD.ref\_variabilis\_raxml.bt061



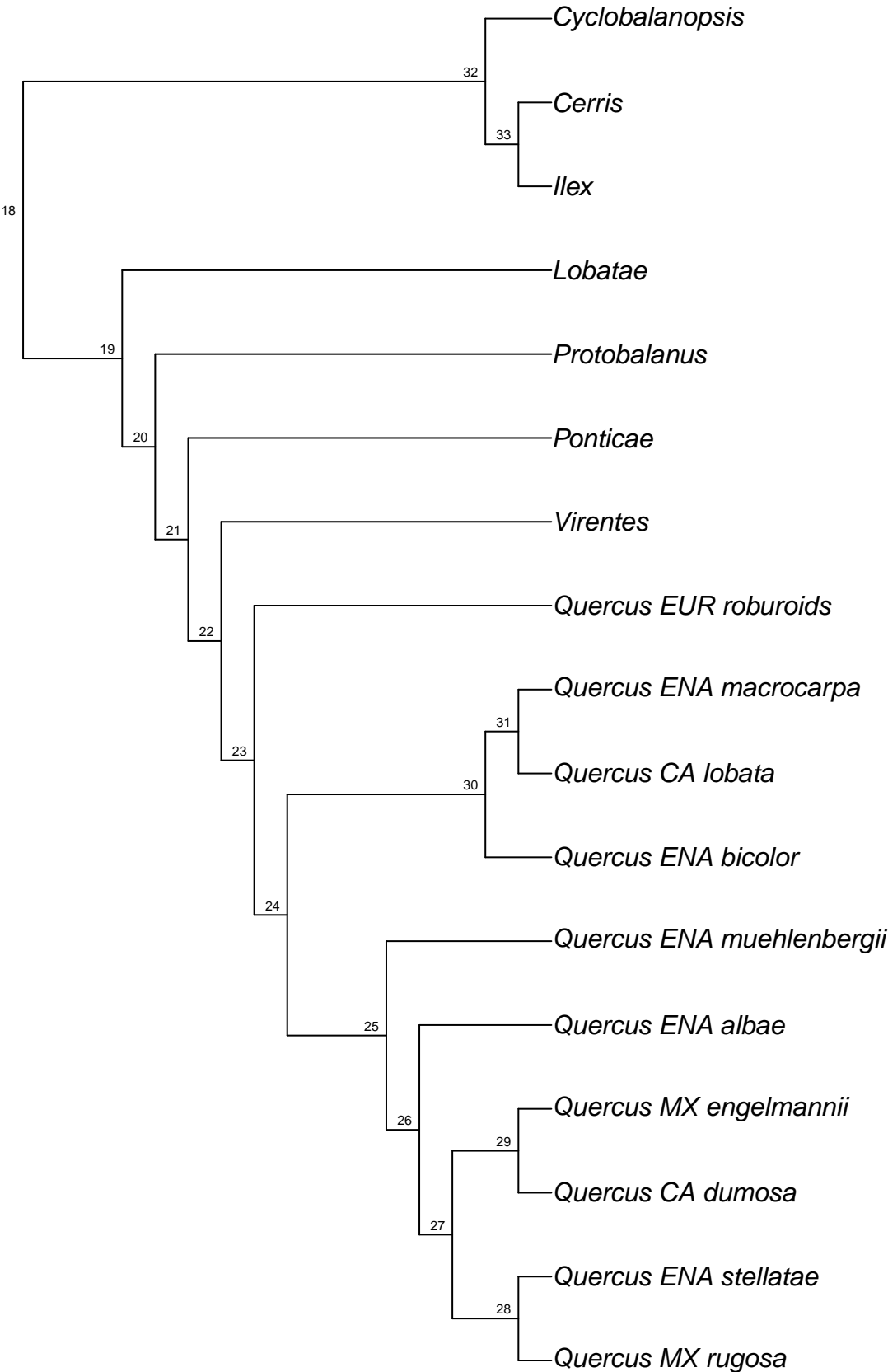
refRAD.ref\_variabilis\_raxml.bt062



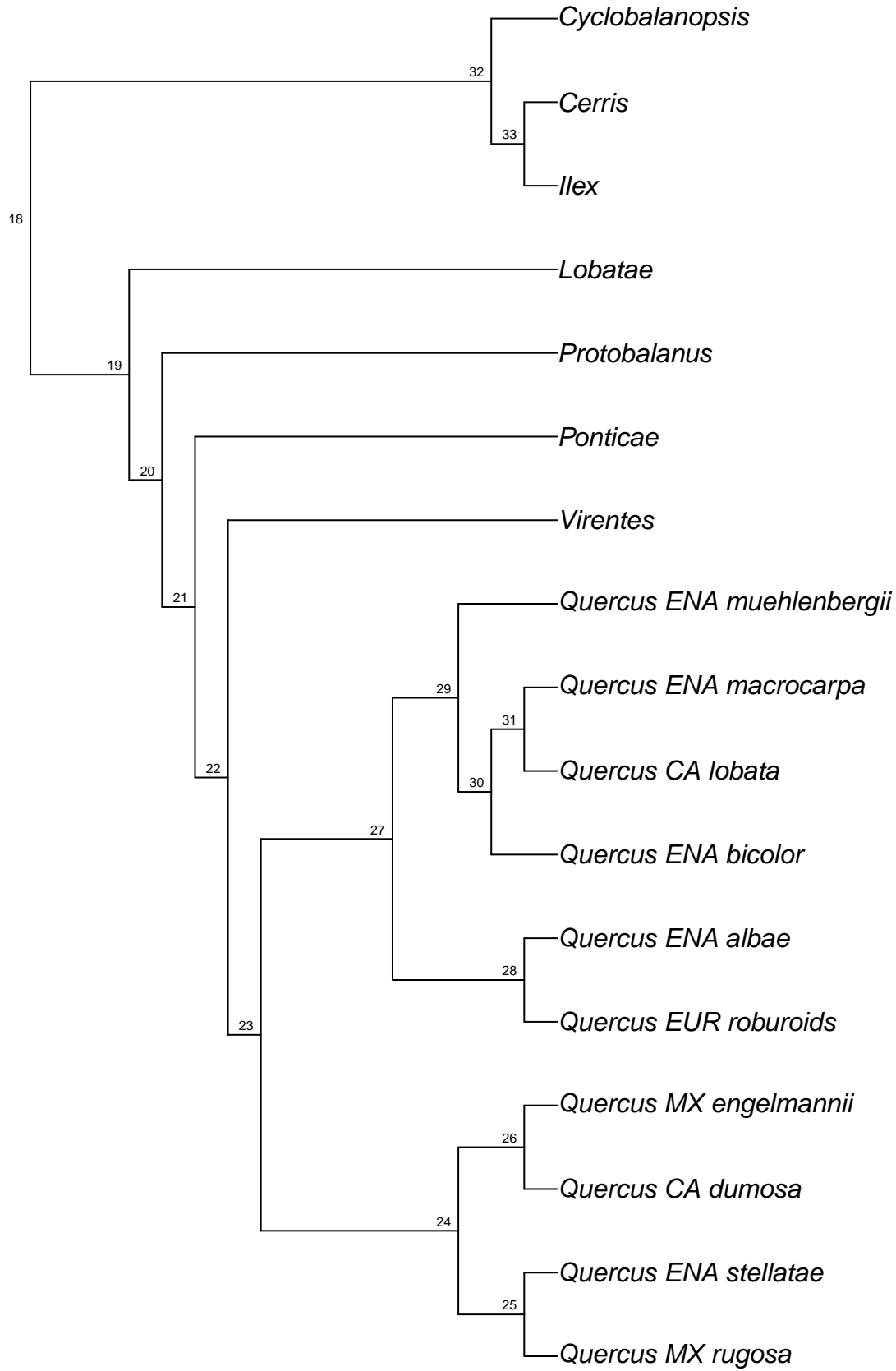
refRAD.ref\_variabilis\_raxml.bt063



refRAD.ref\_variabilis\_raxml.bt064

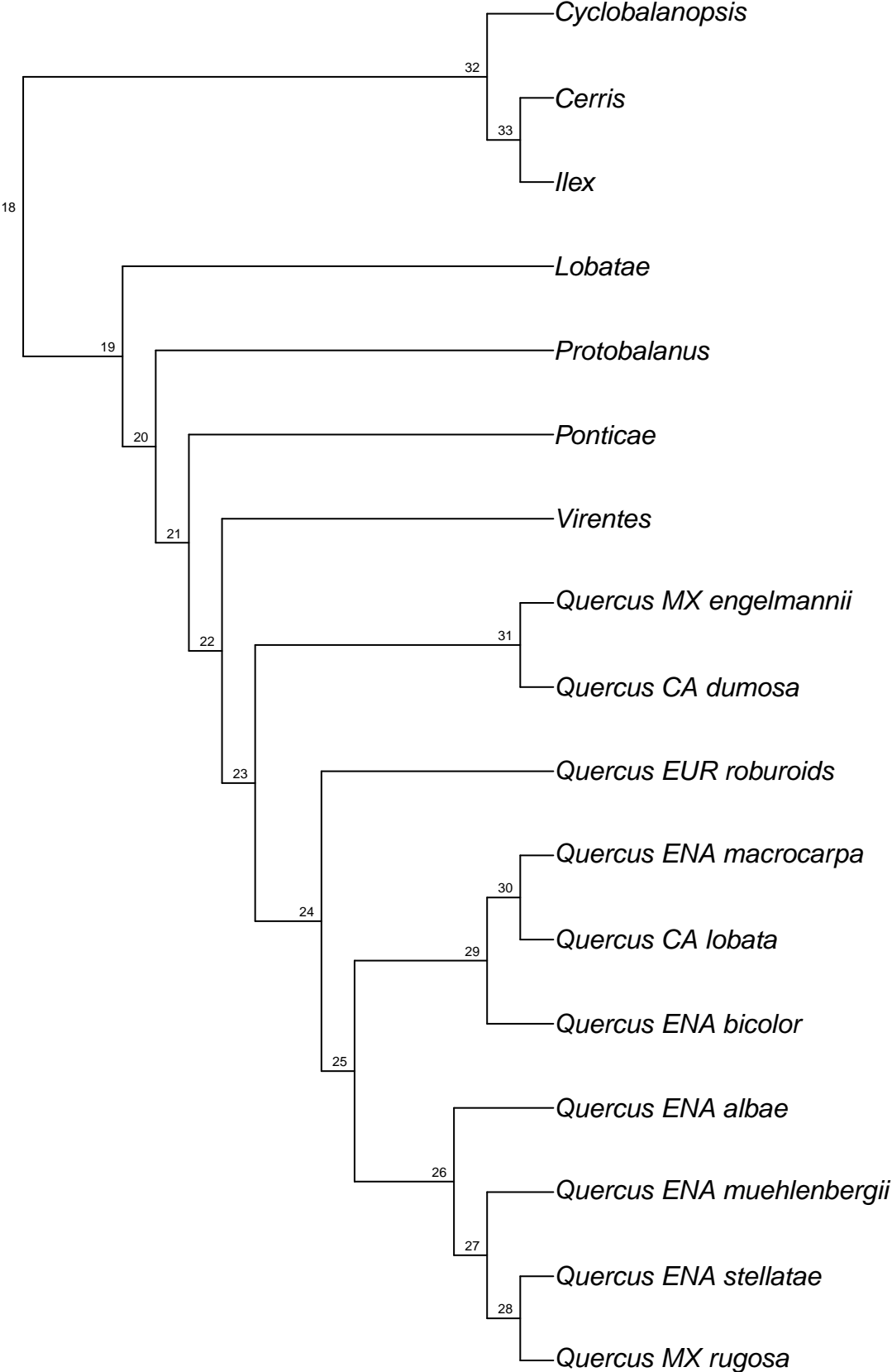


refRAD.ref\_variabilis\_raxml.bt065

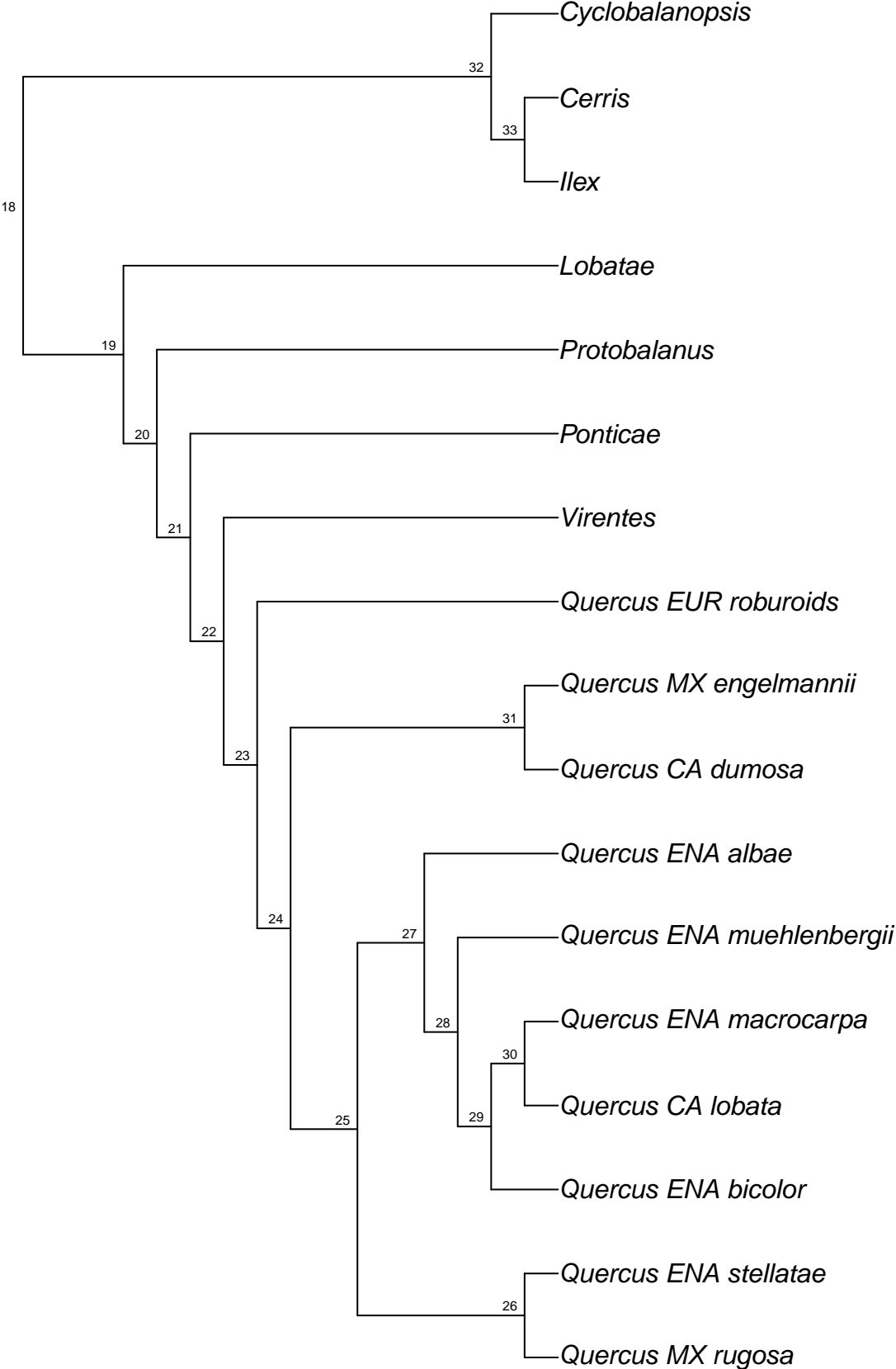




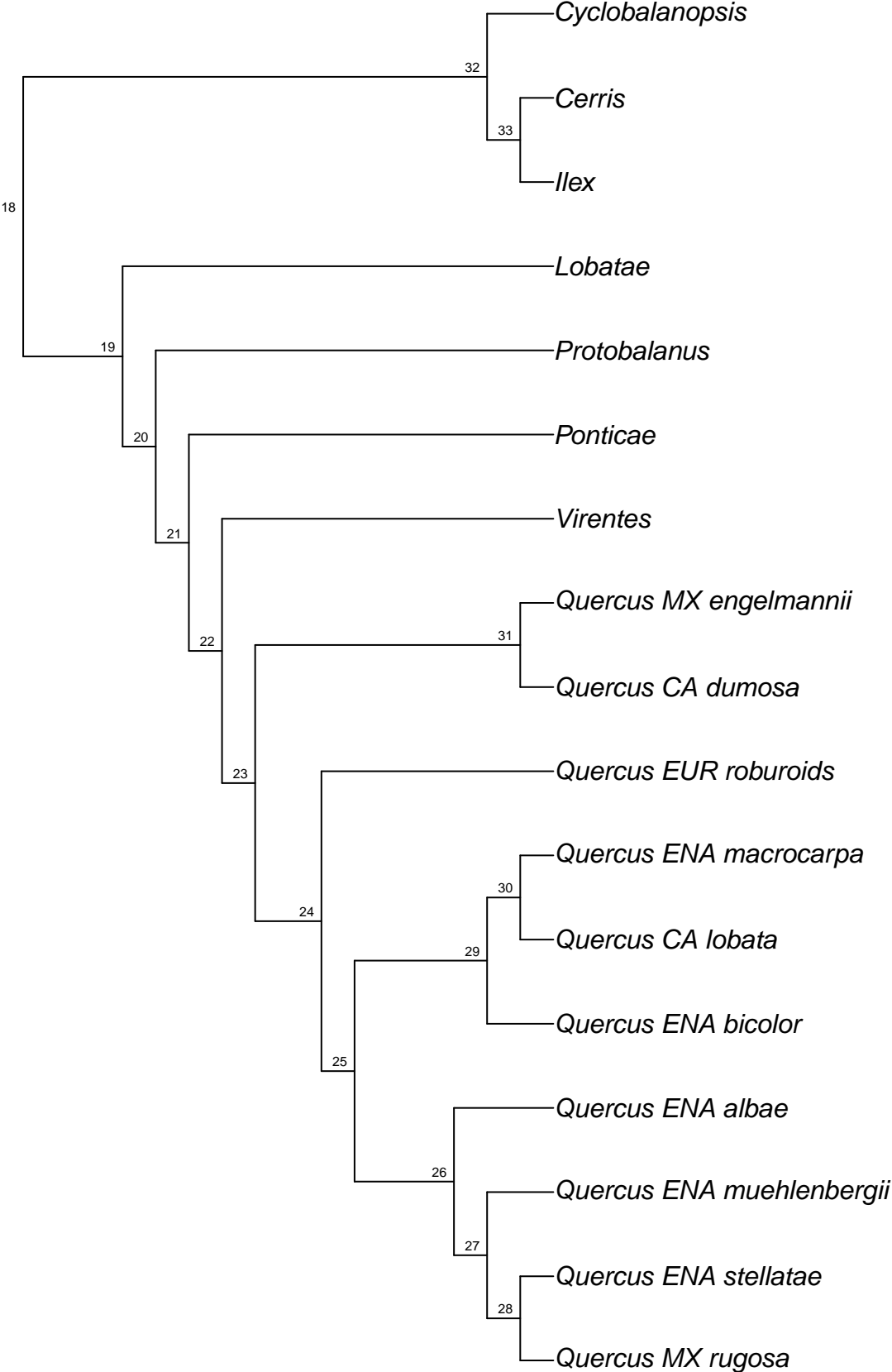
refRAD.ref\_variabilis\_raxml.bt066



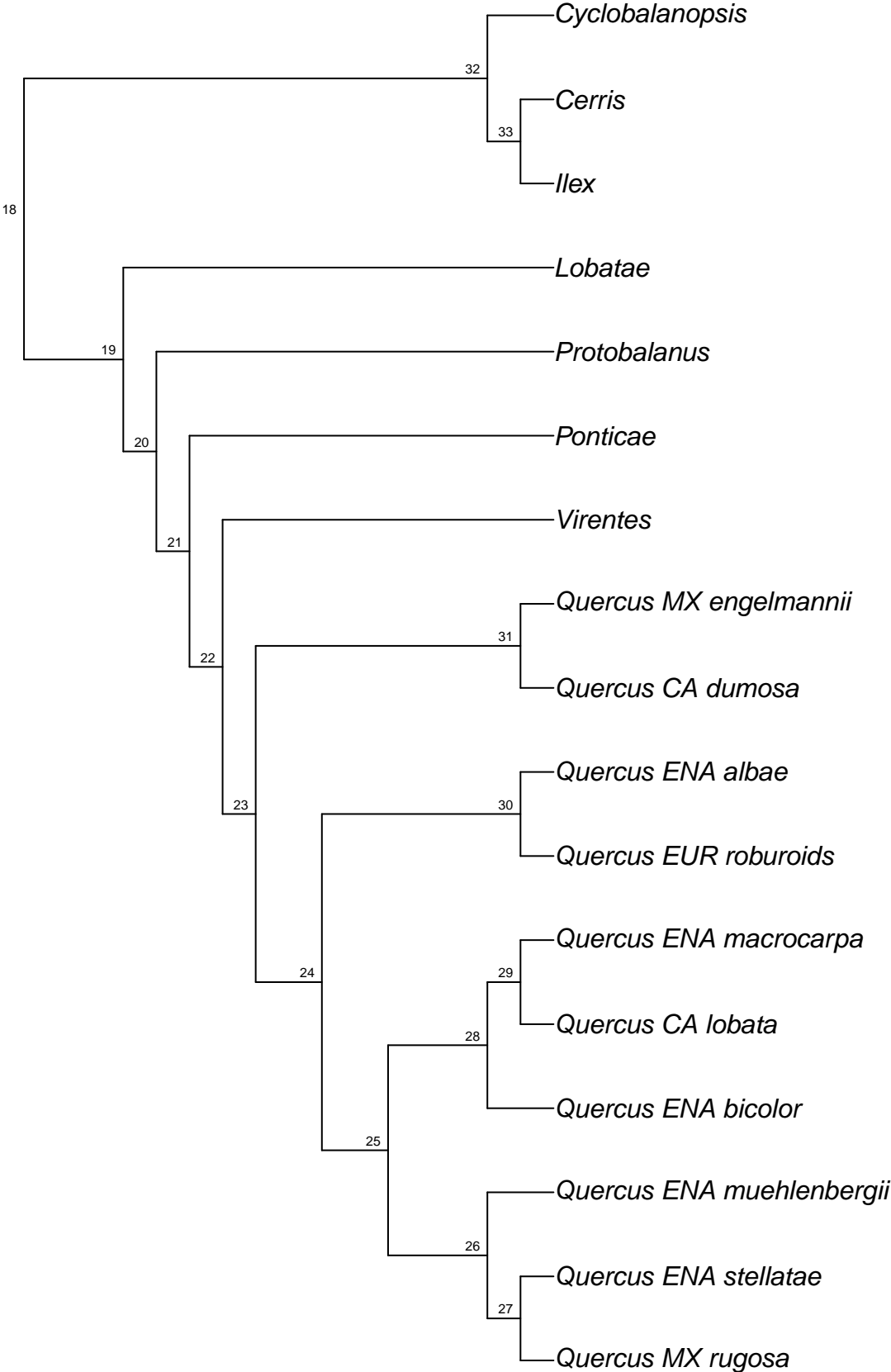
refRAD.ref\_variabilis\_raxml.bt067



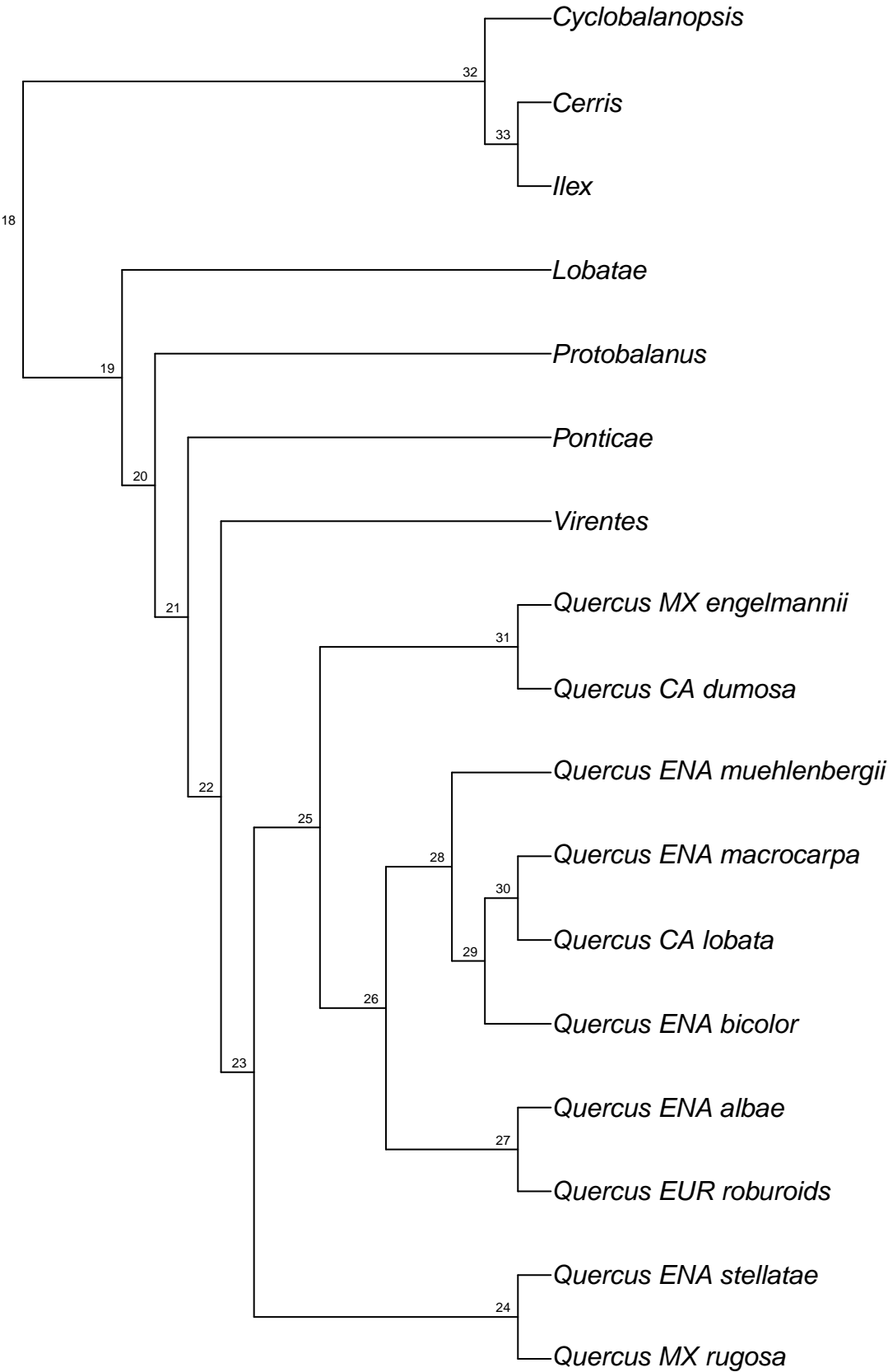
refRAD.ref\_variabilis\_raxml.bt068



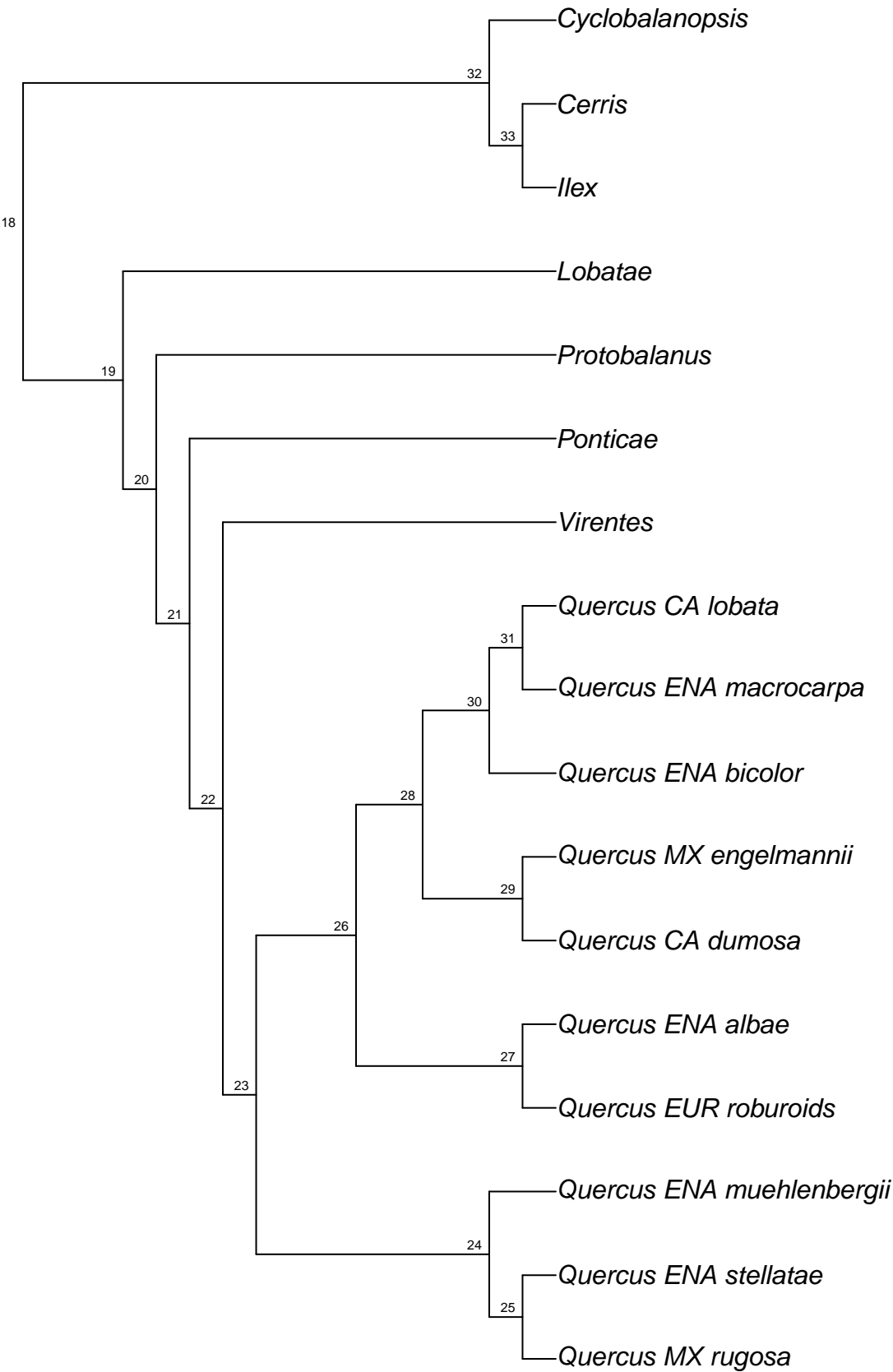
refRAD.ref\_variabilis\_raxml.bt069



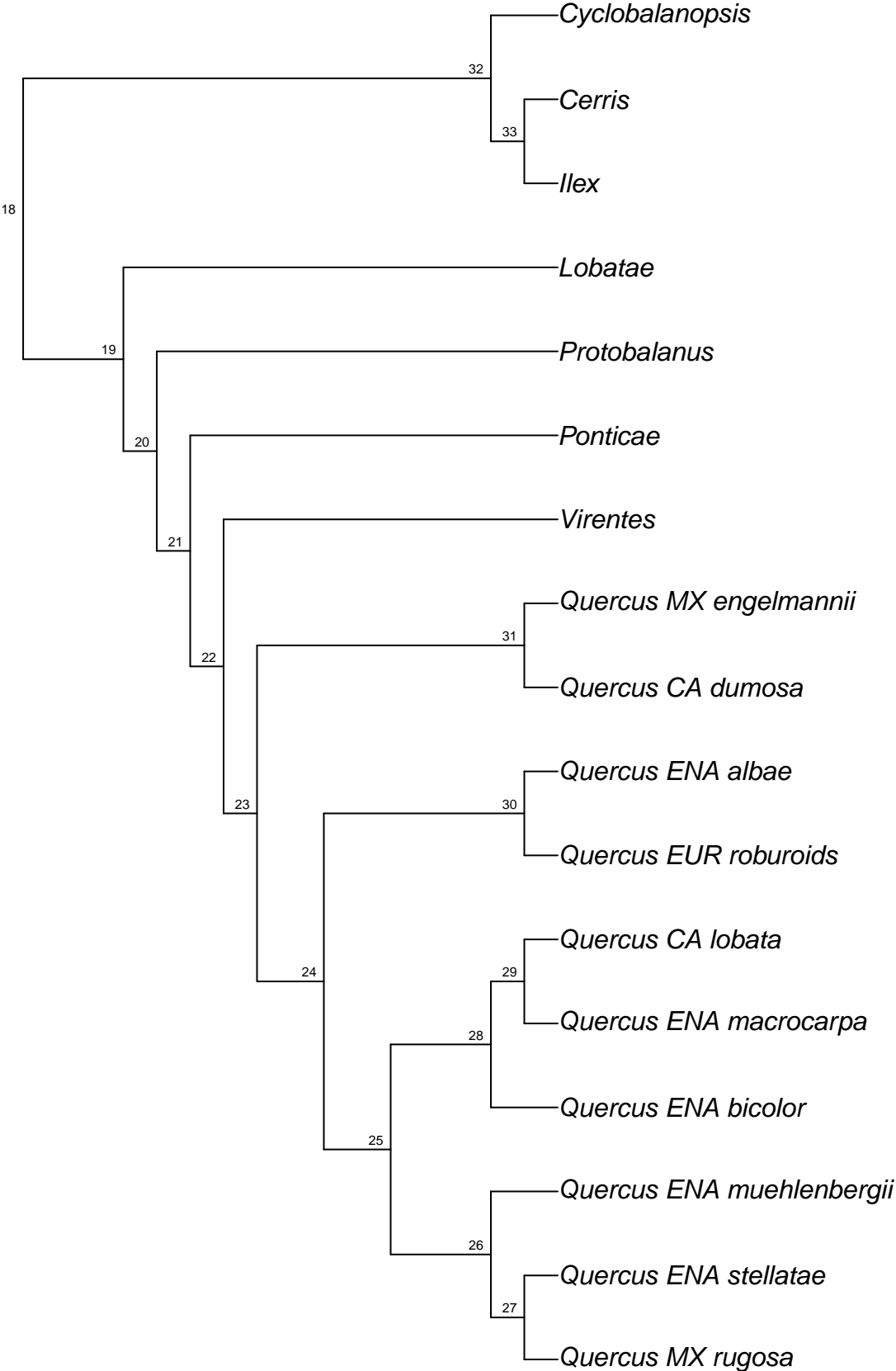
refRAD.ref\_variabilis\_raxml.bt070



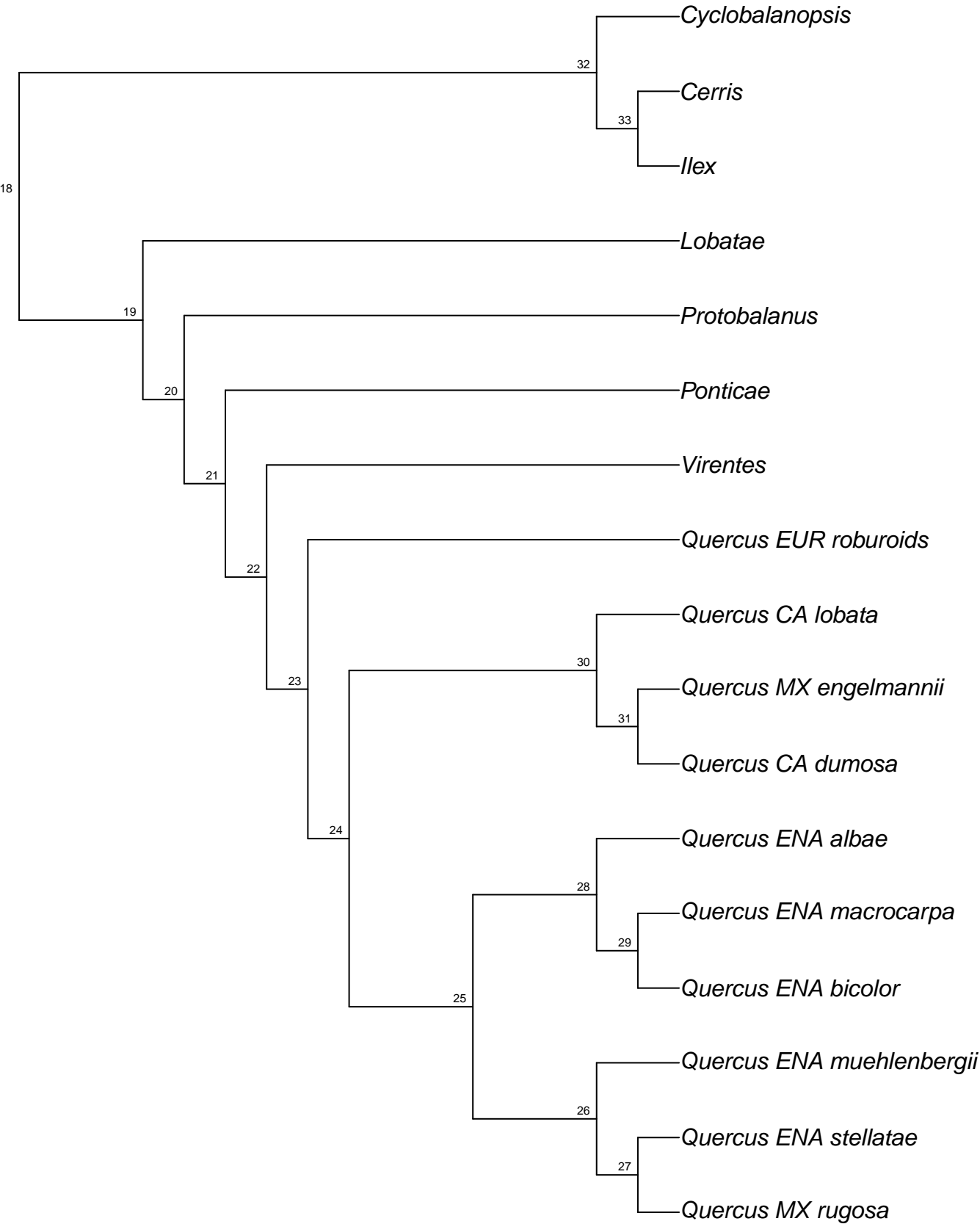
refRAD.ref\_variabilis\_raxml.bt071



refRAD.ref\_variabilis\_raxml.bt072

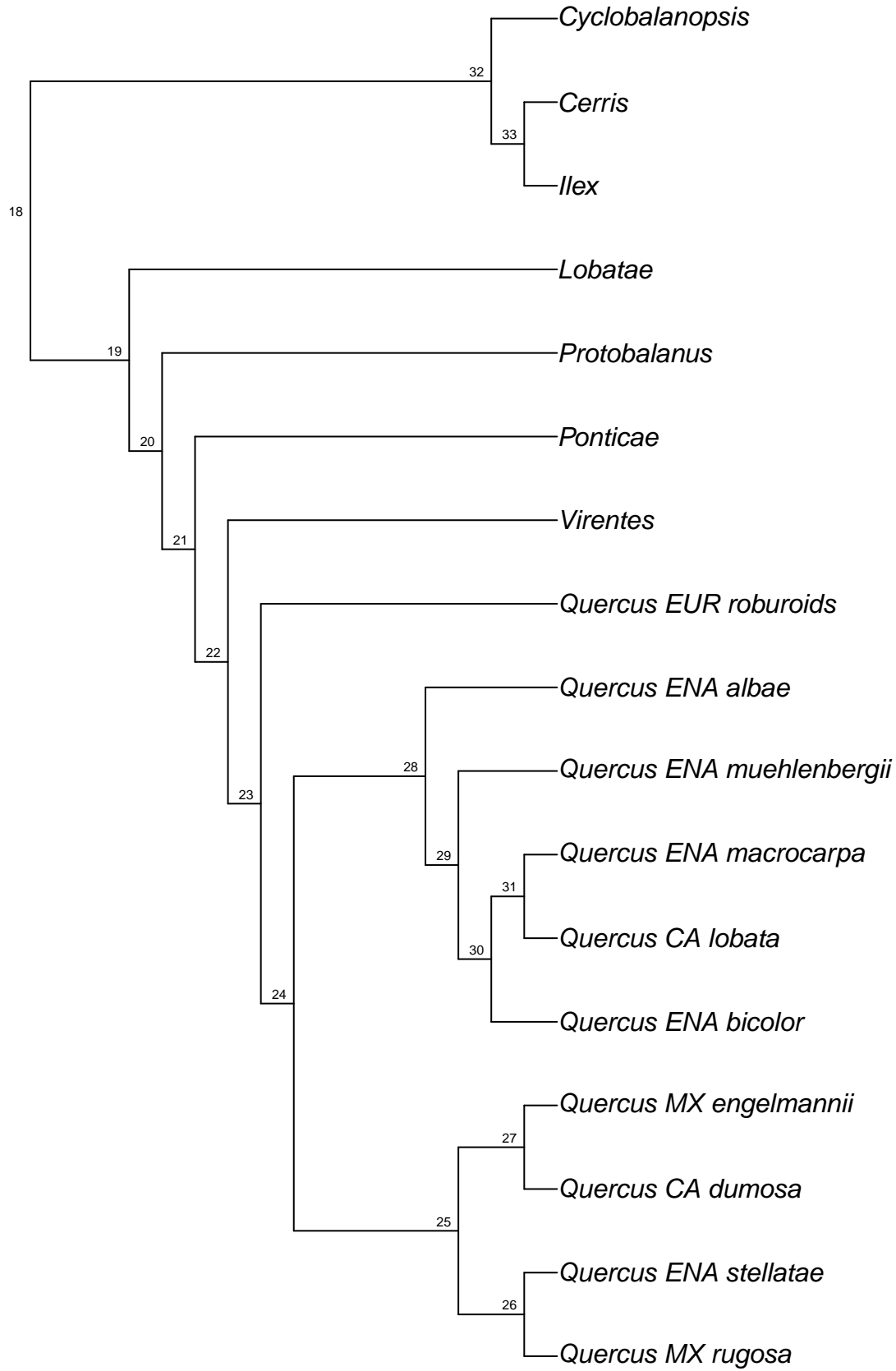


refRAD.ref\_variabilis\_raxml.bt073

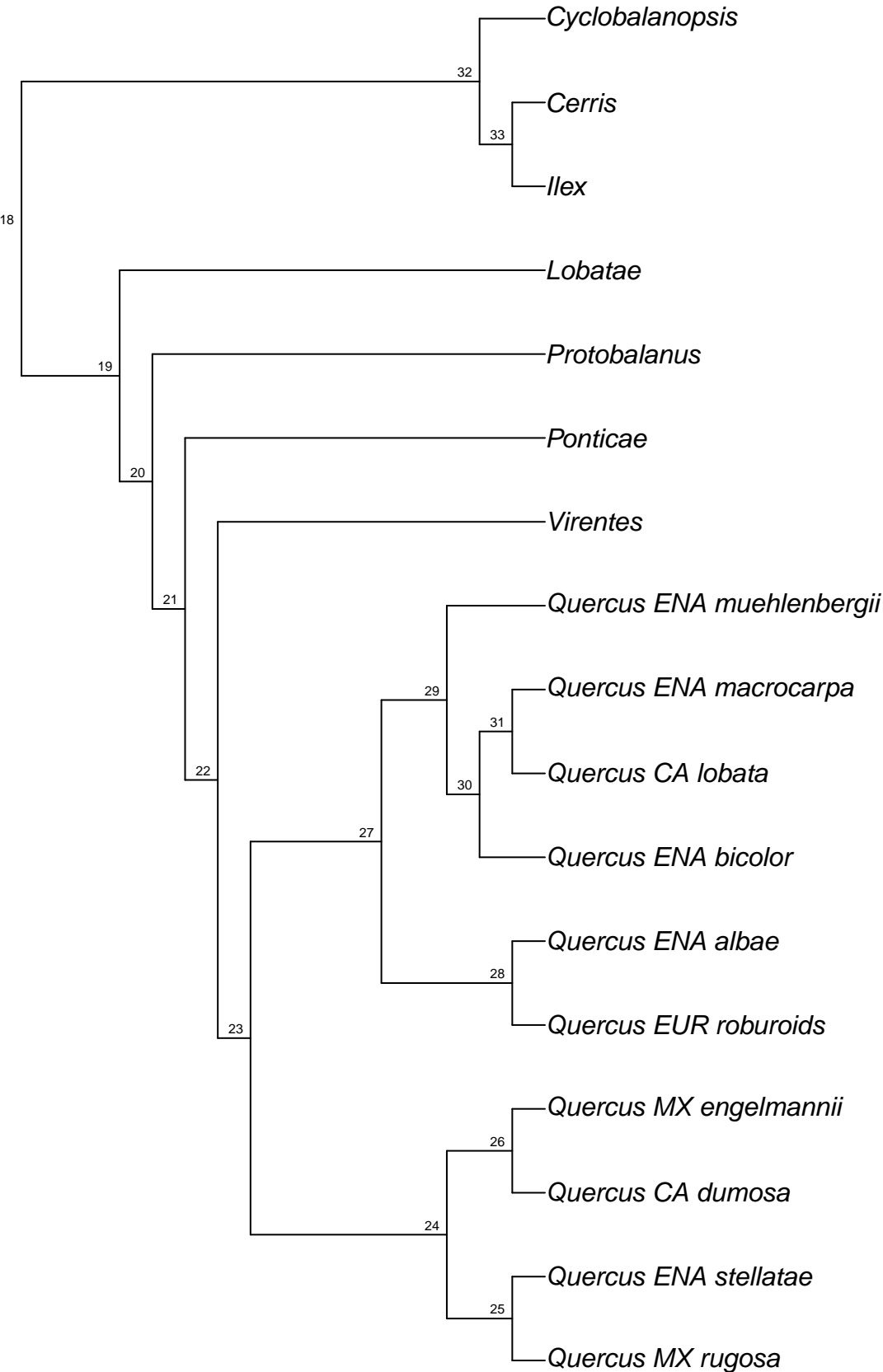




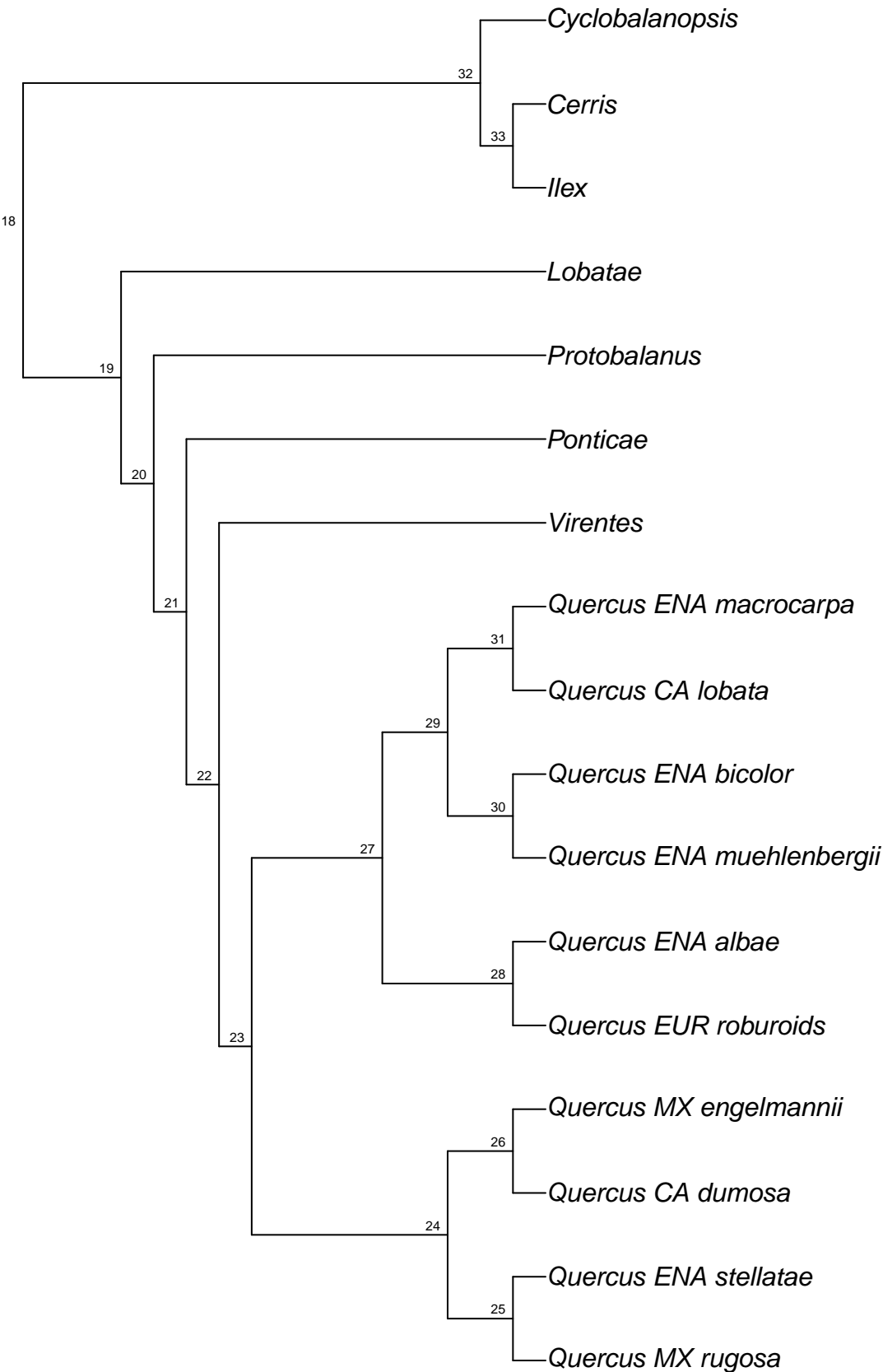
refRAD.ref\_variabilis\_raxml.bt074



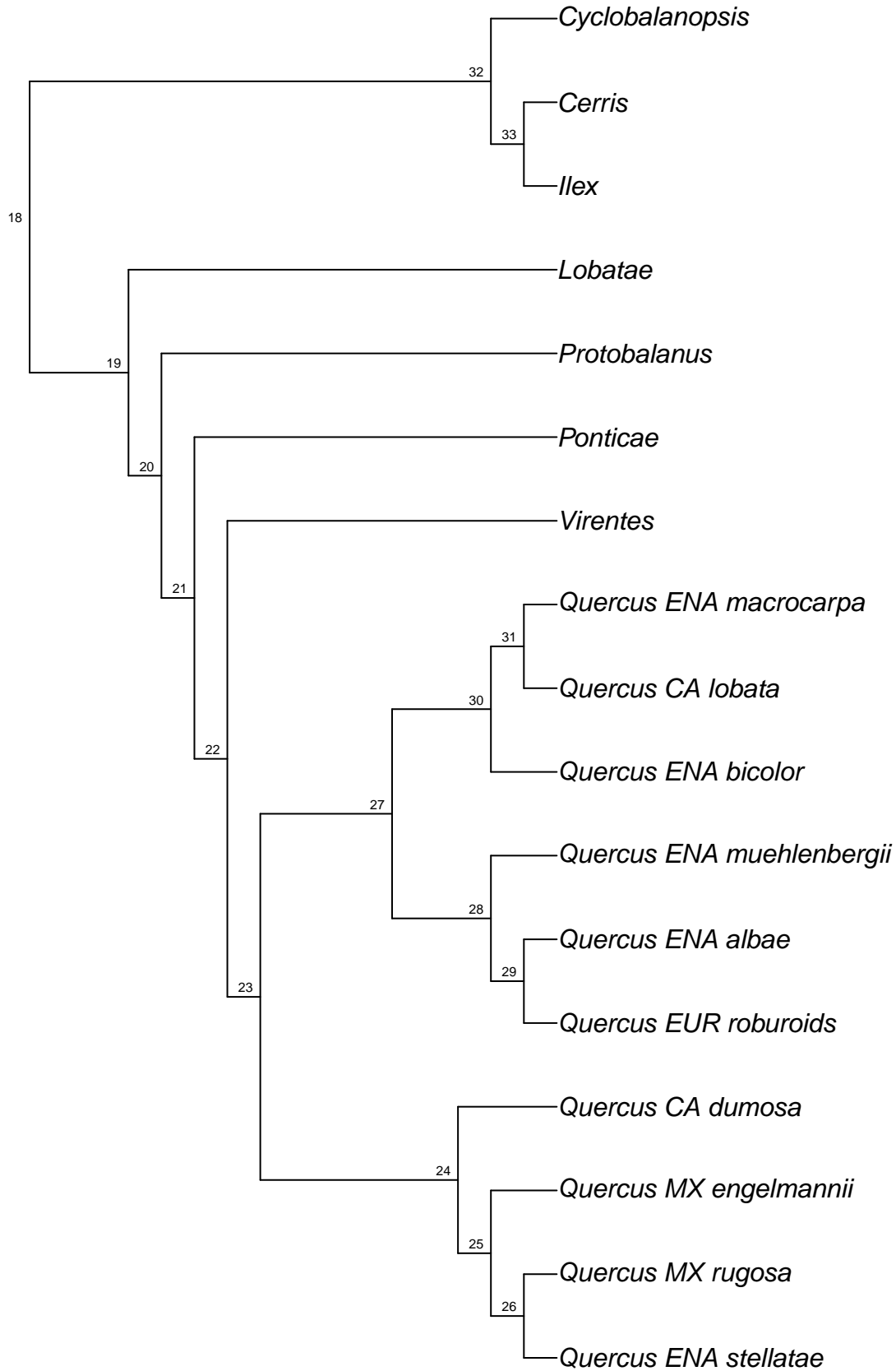
refRAD.ref\_variabilis\_raxml.bt075



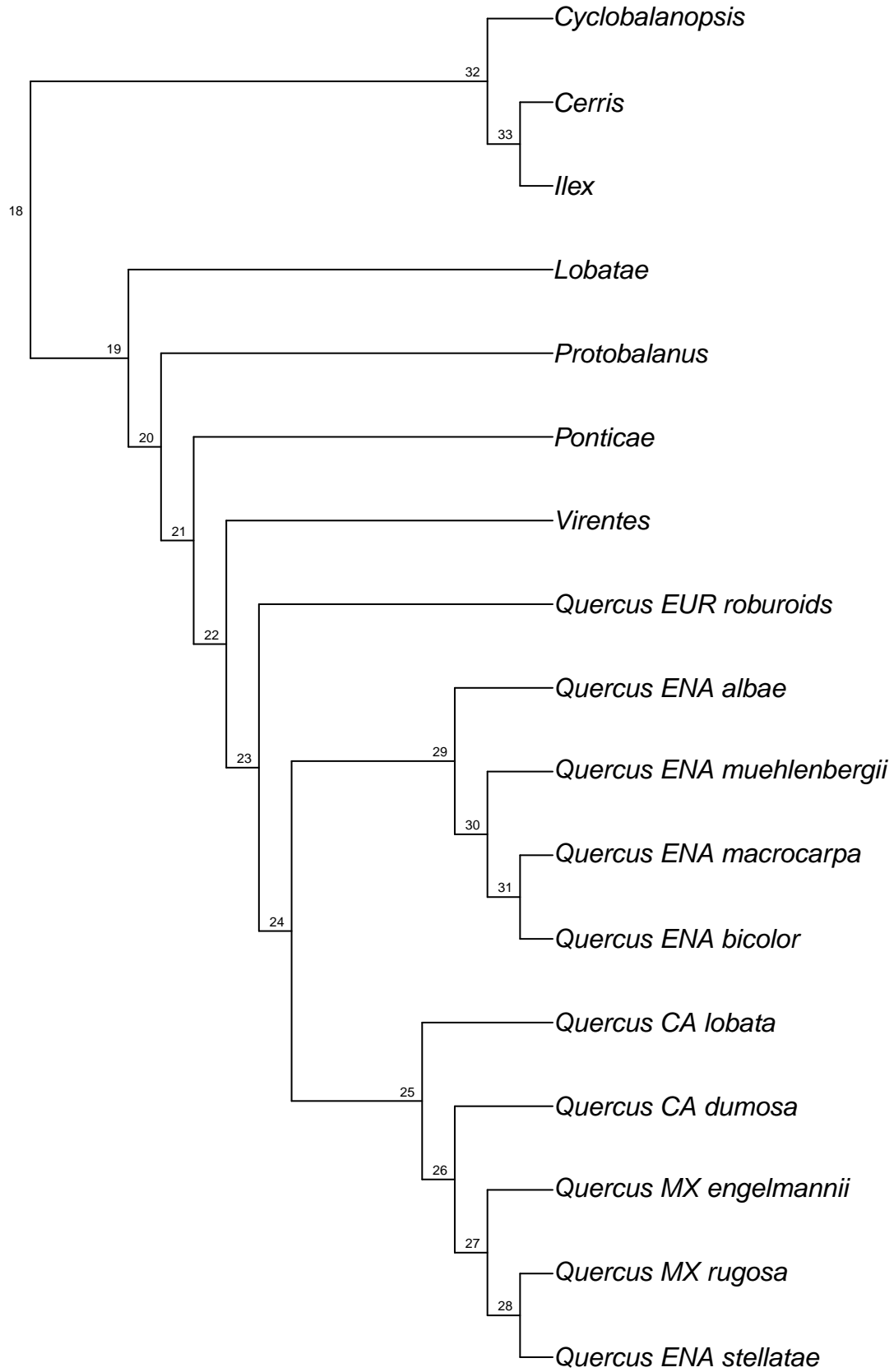
refRAD.ref\_variabilis\_raxml.bt076



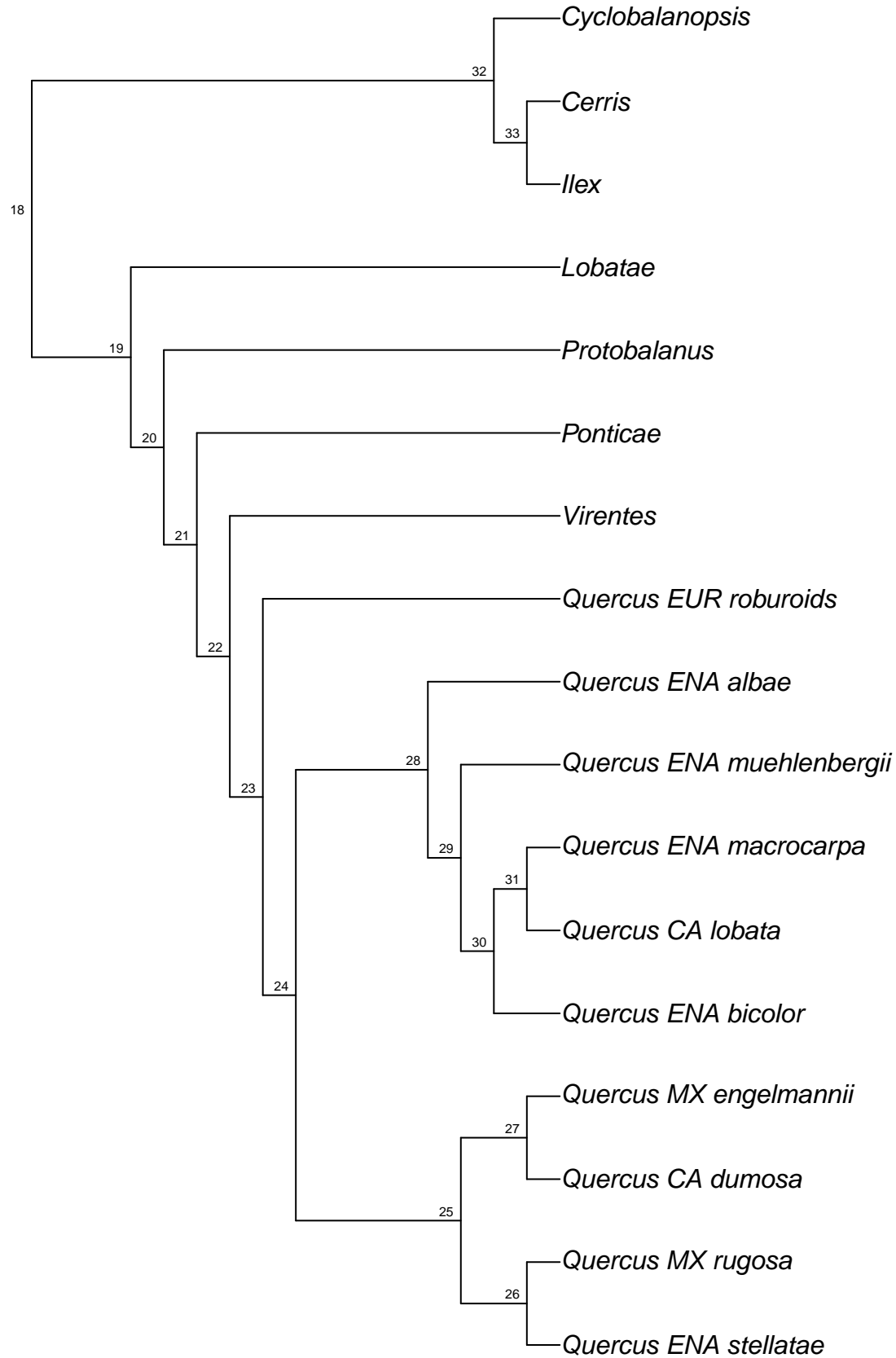
refRAD.ref\_variabilis\_raxml.bt077



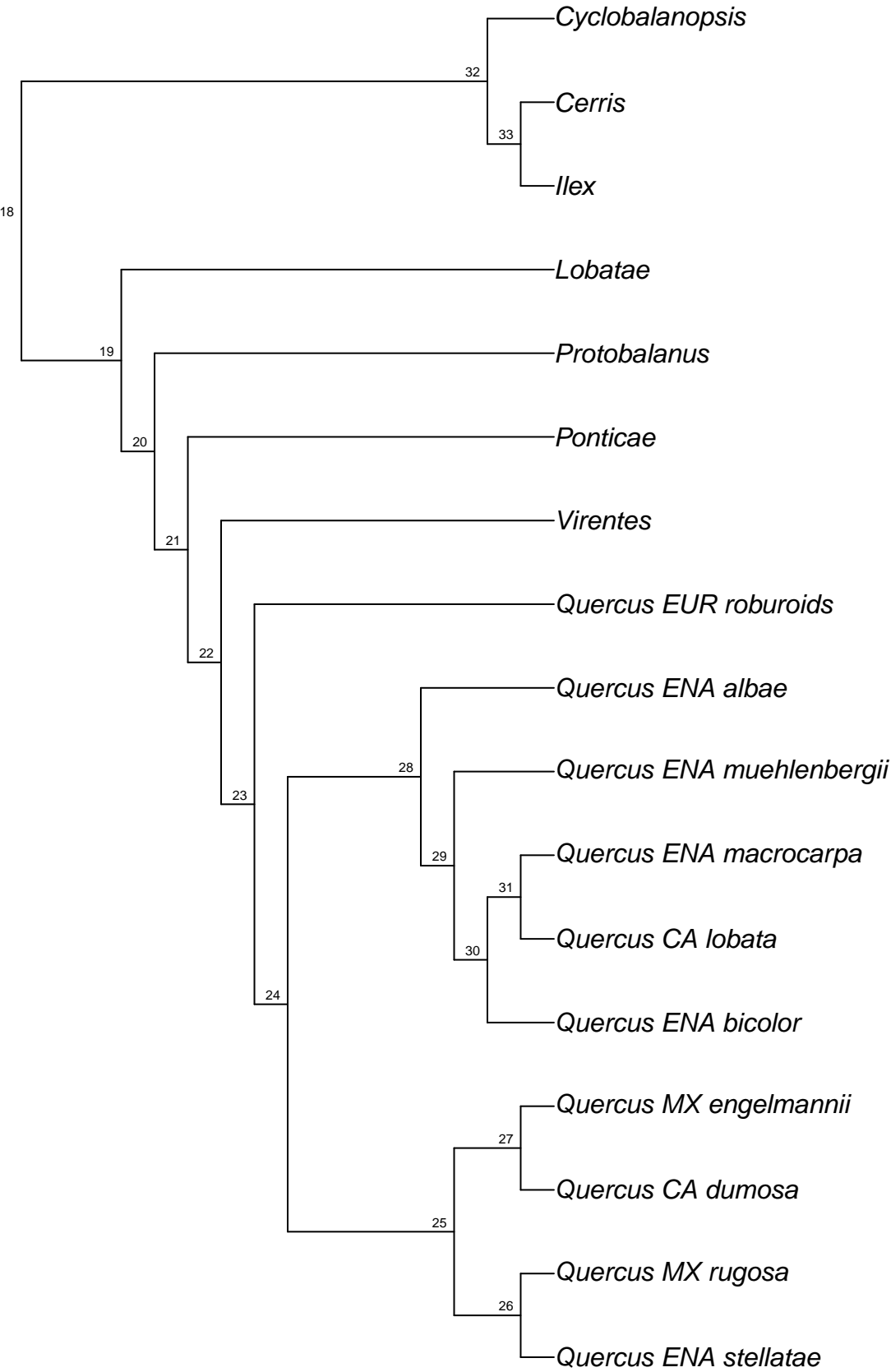
refRAD.ref\_variabilis\_raxml.bt078



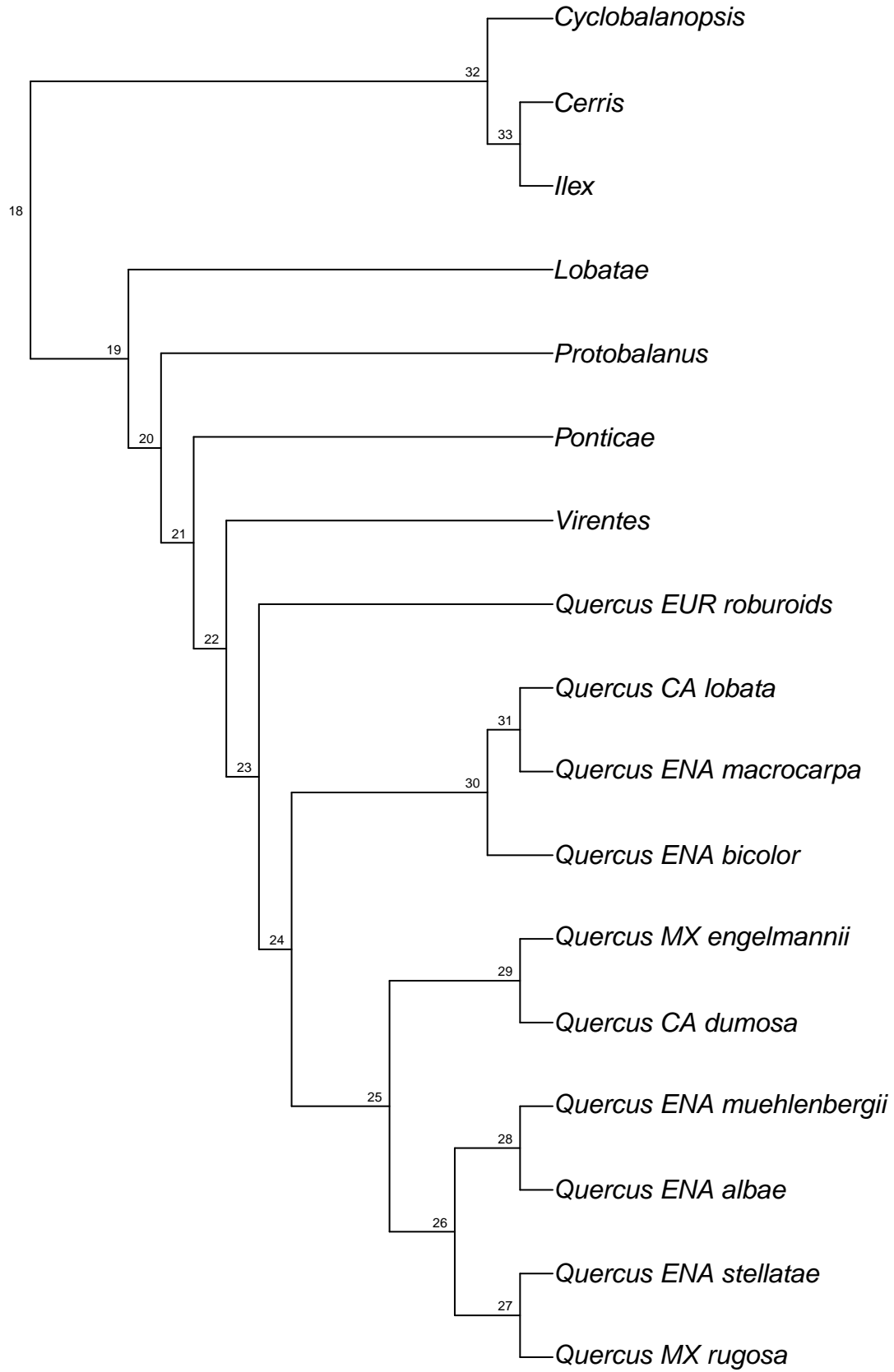
refRAD.ref\_variabilis\_raxml.bt079



refRAD.ref\_variabilis\_raxml.bt080

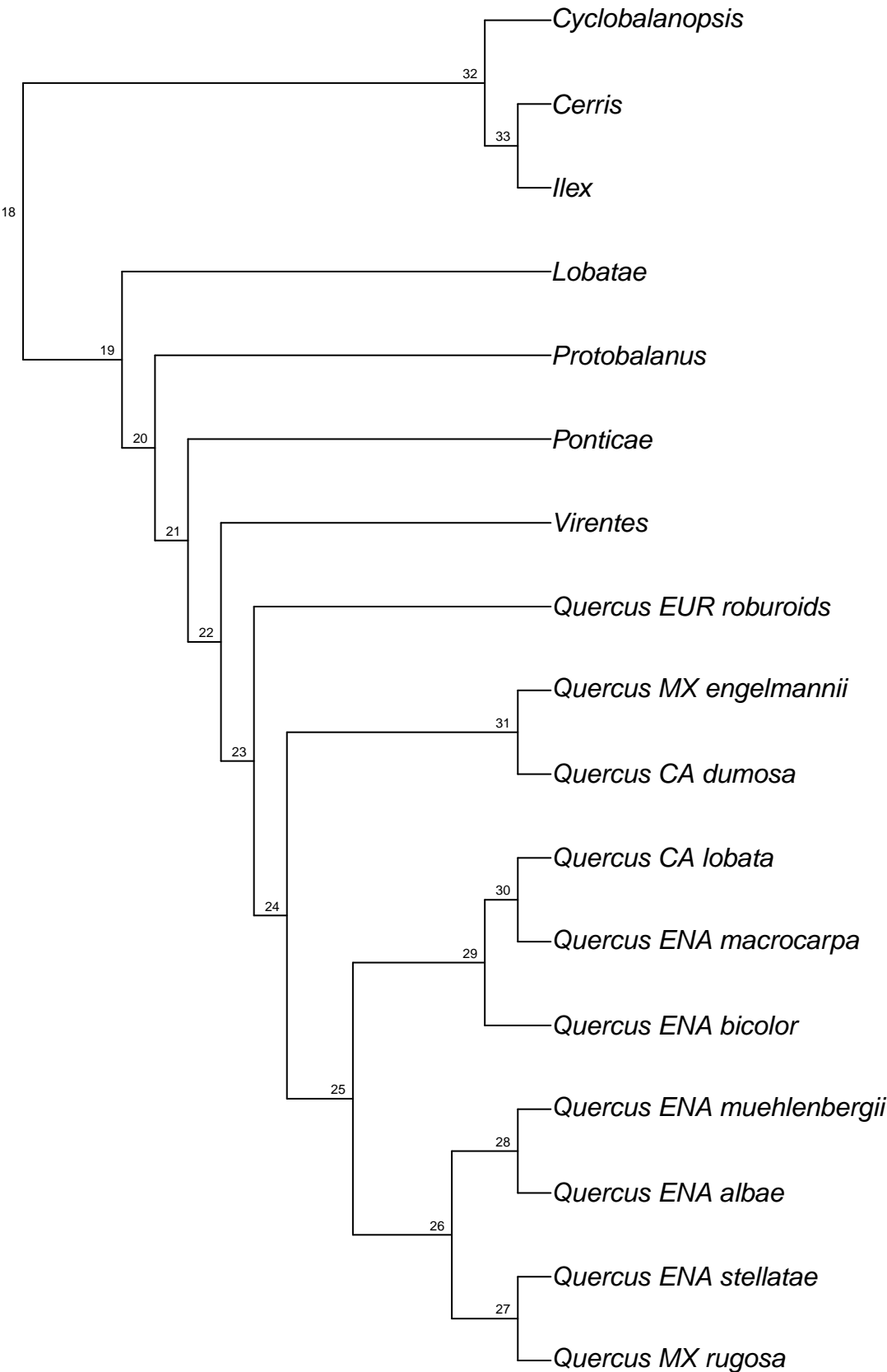


refRAD.ref\_variabilis\_raxml.bt081

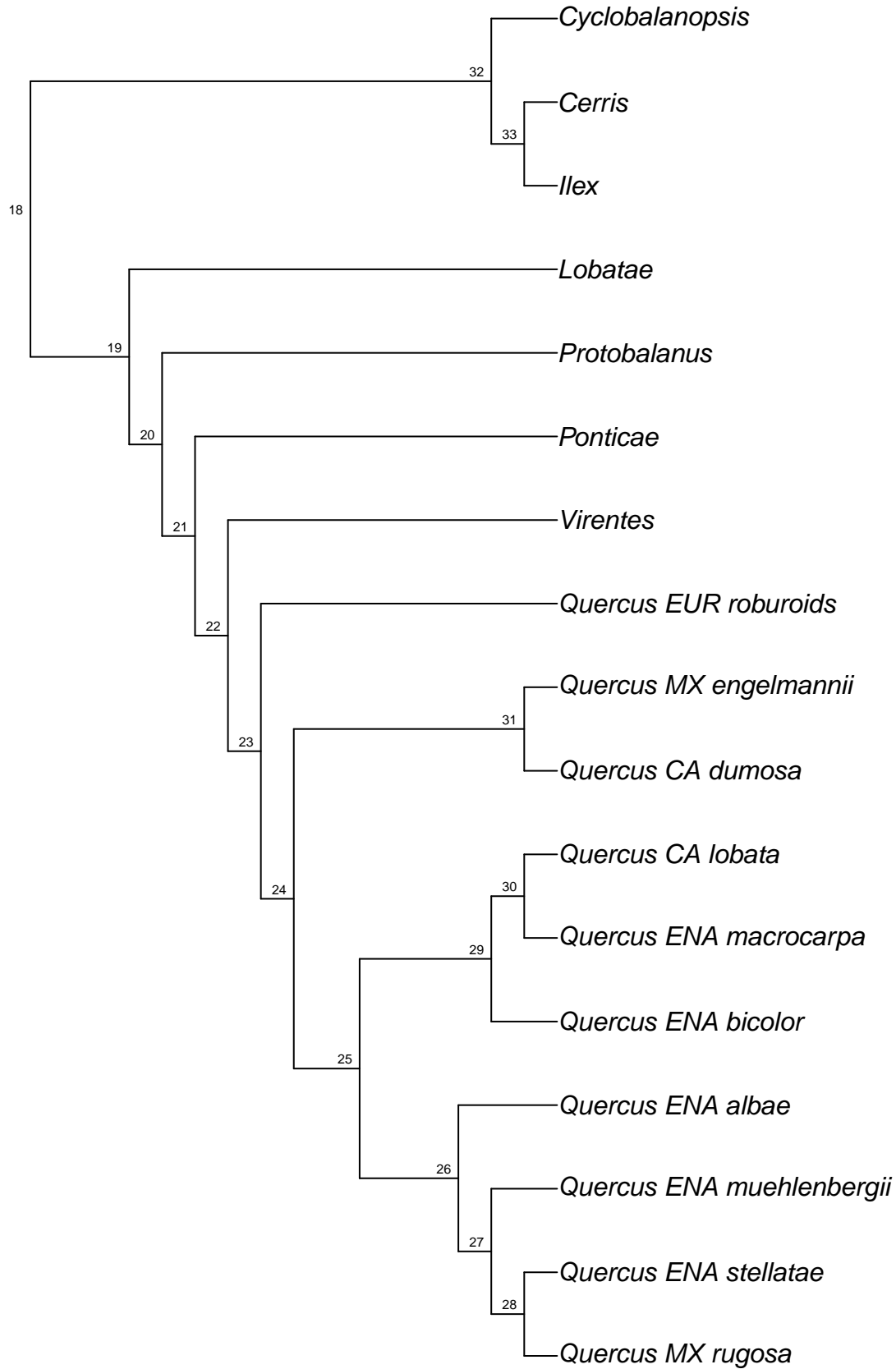




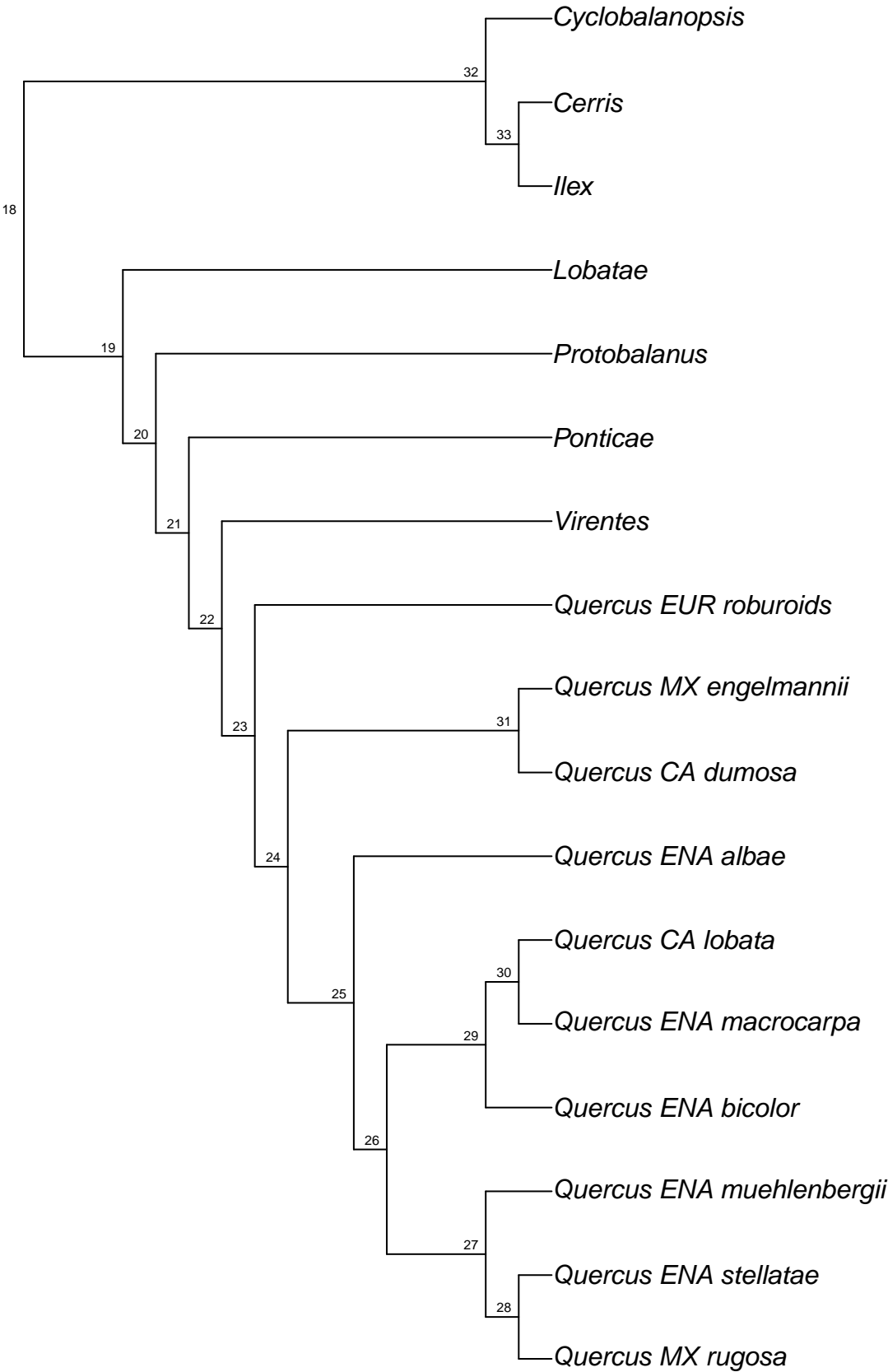
refRAD.ref\_variabilis\_raxml.bt082



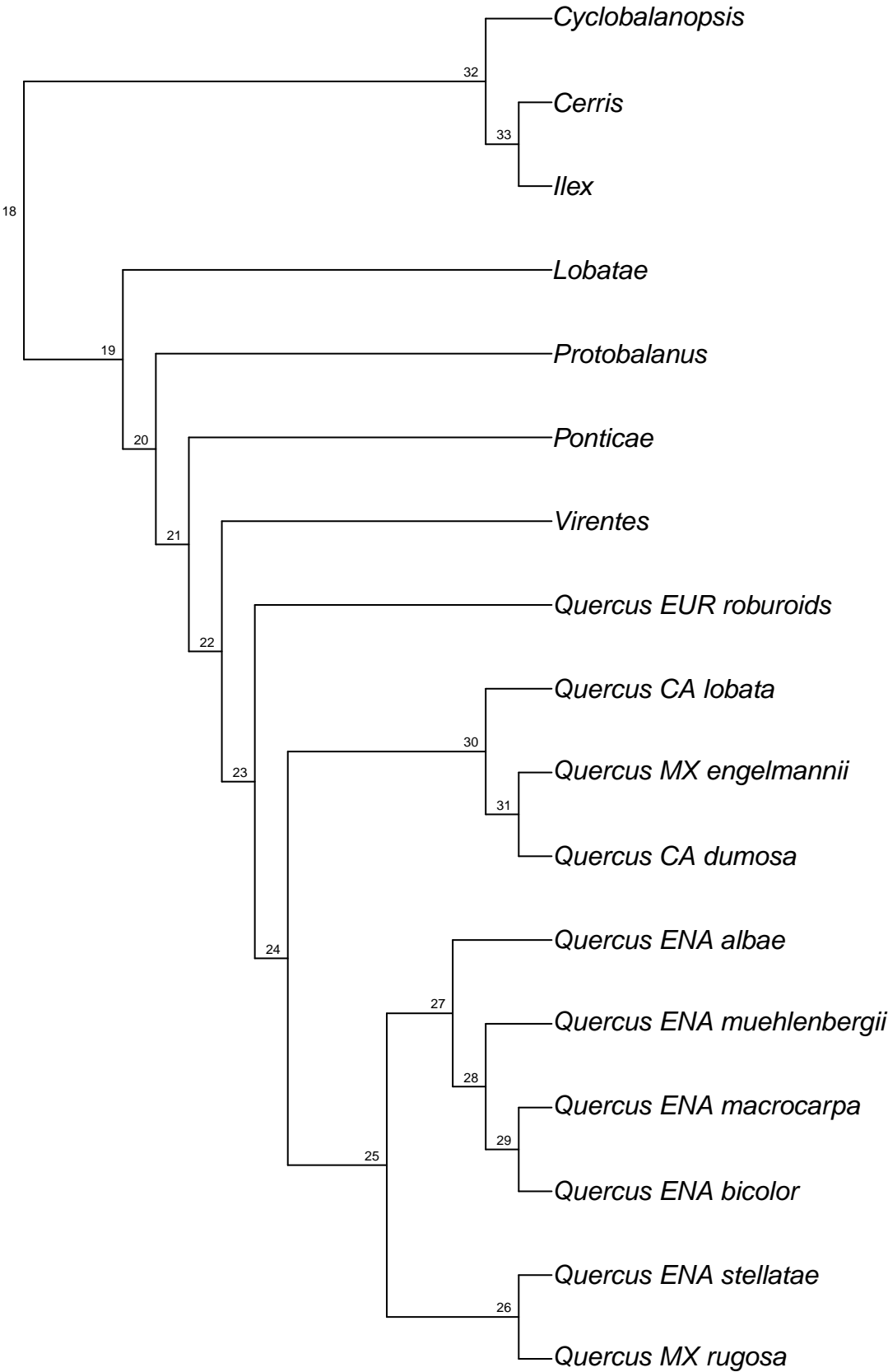
refRAD.ref\_variabilis\_raxml.bt083



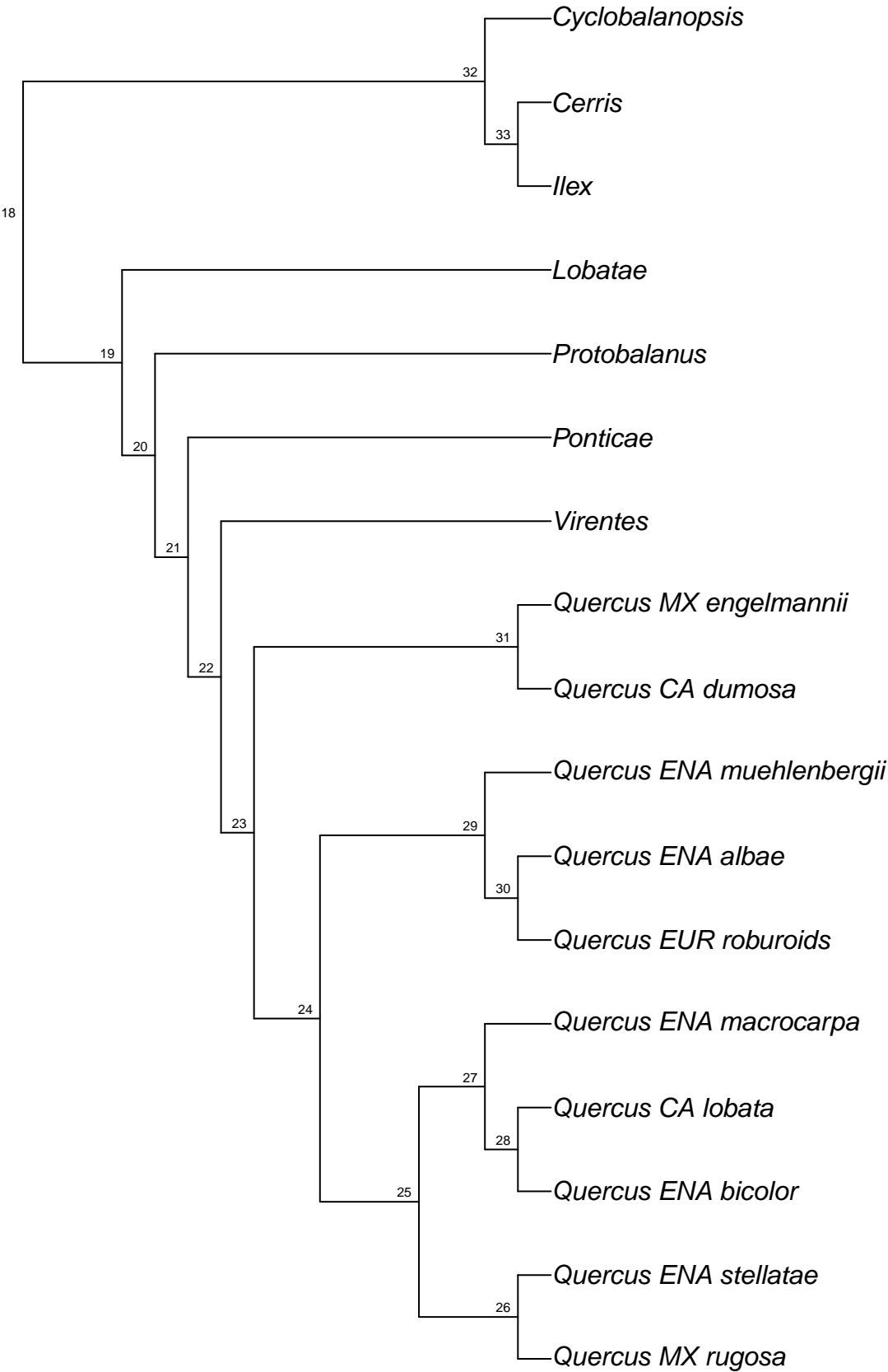
refRAD.ref\_variabilis\_raxml.bt084



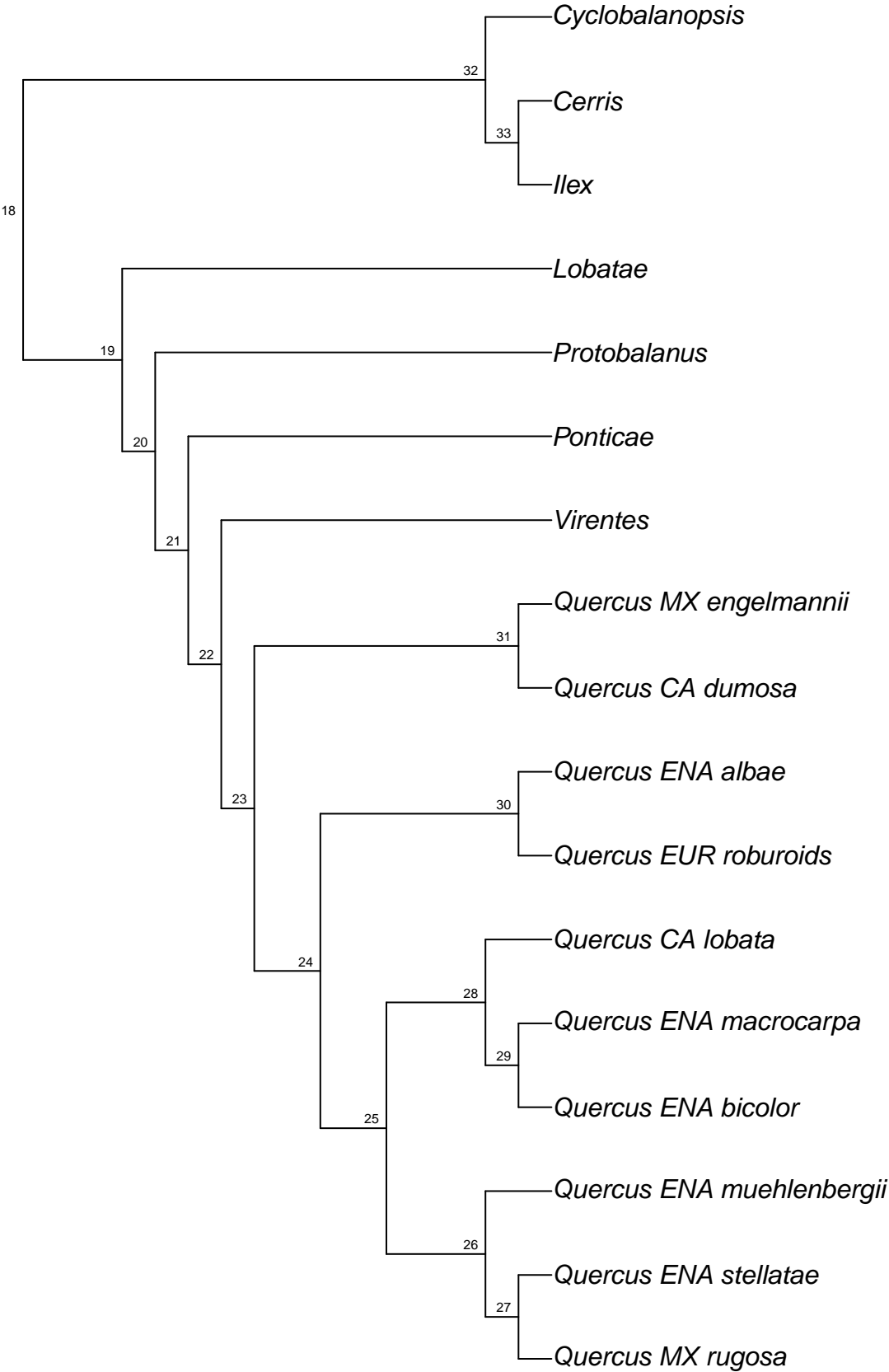
refRAD.ref\_variabilis\_raxml.bt085



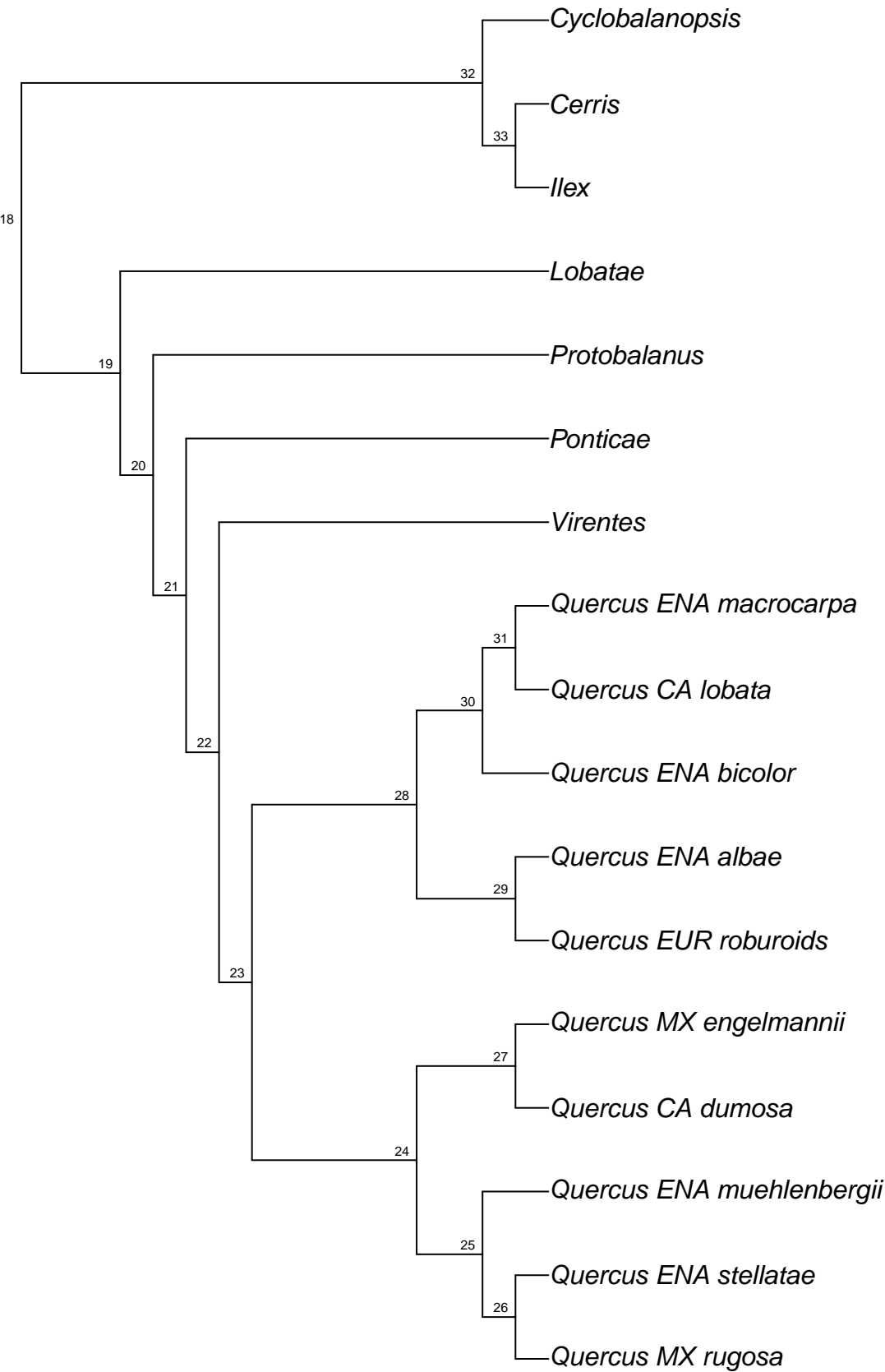
refRAD.ref\_variabilis\_raxml.bt086



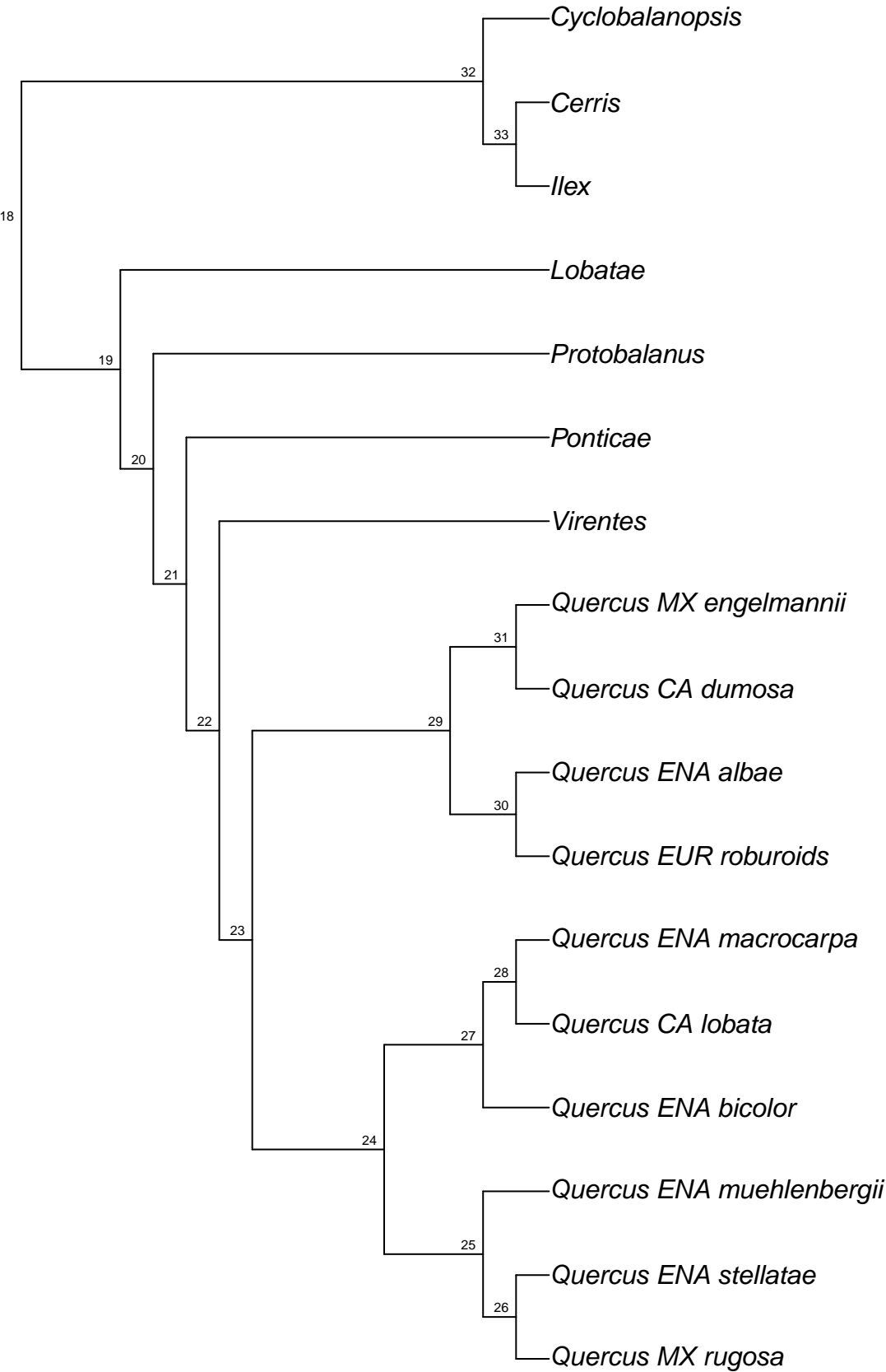
refRAD.ref\_variabilis\_raxml.bt087



refRAD.ref\_variabilis\_raxml.bt088

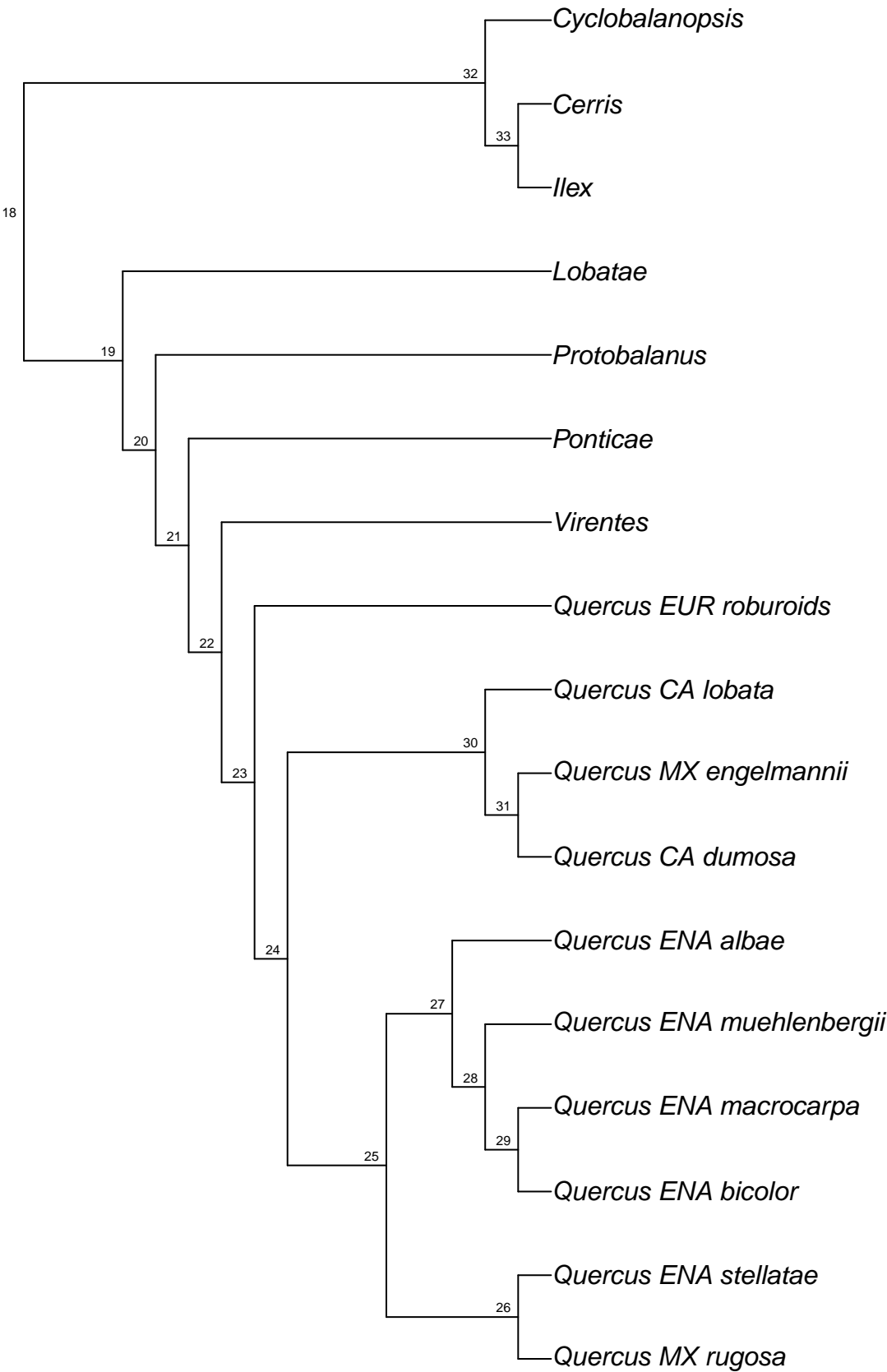


refRAD.ref\_variabilis\_raxml.bt089

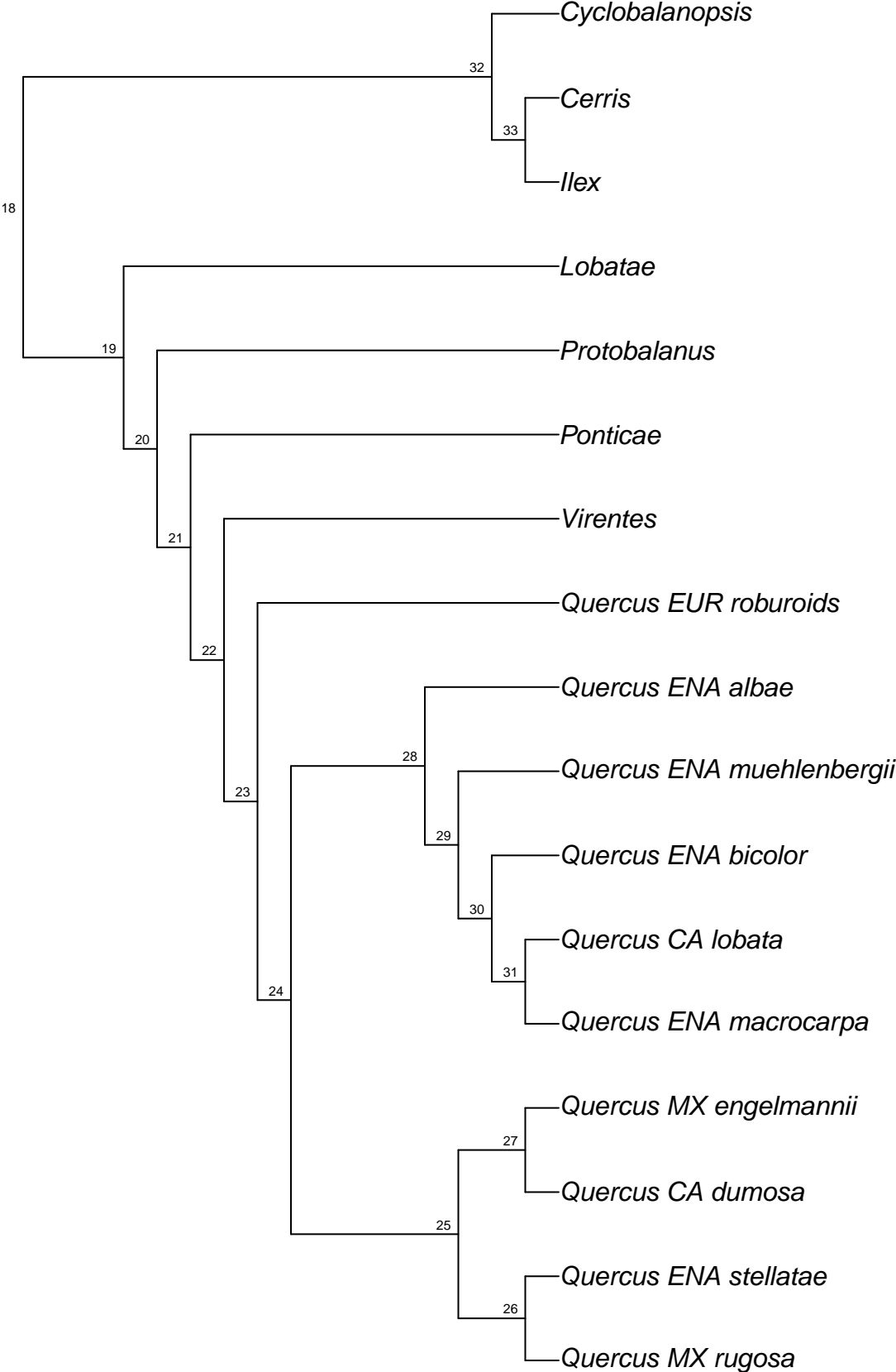




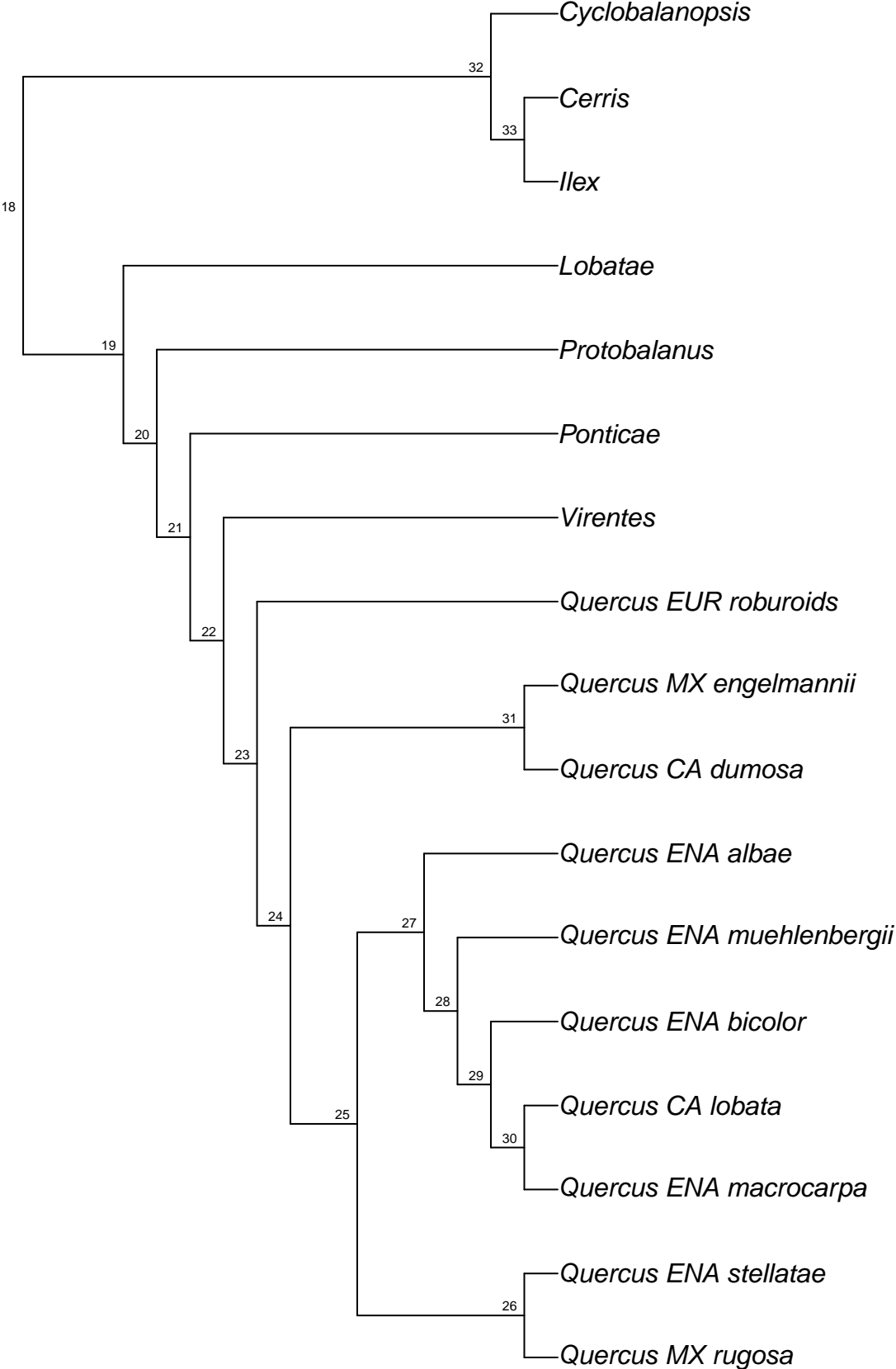
refRAD.ref\_variabilis\_raxml.bt090



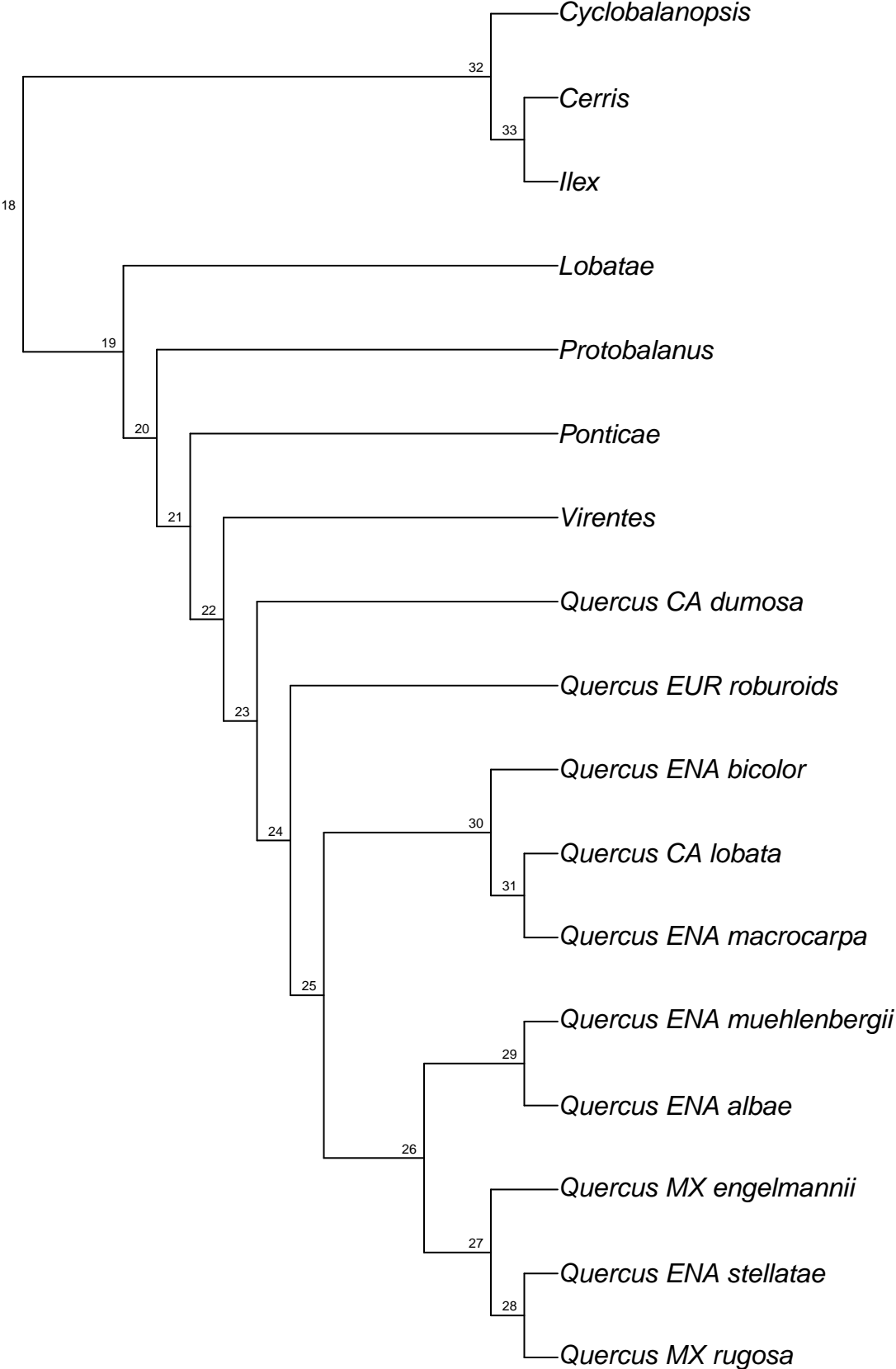
refRAD.ref\_variabilis\_raxml.bt091



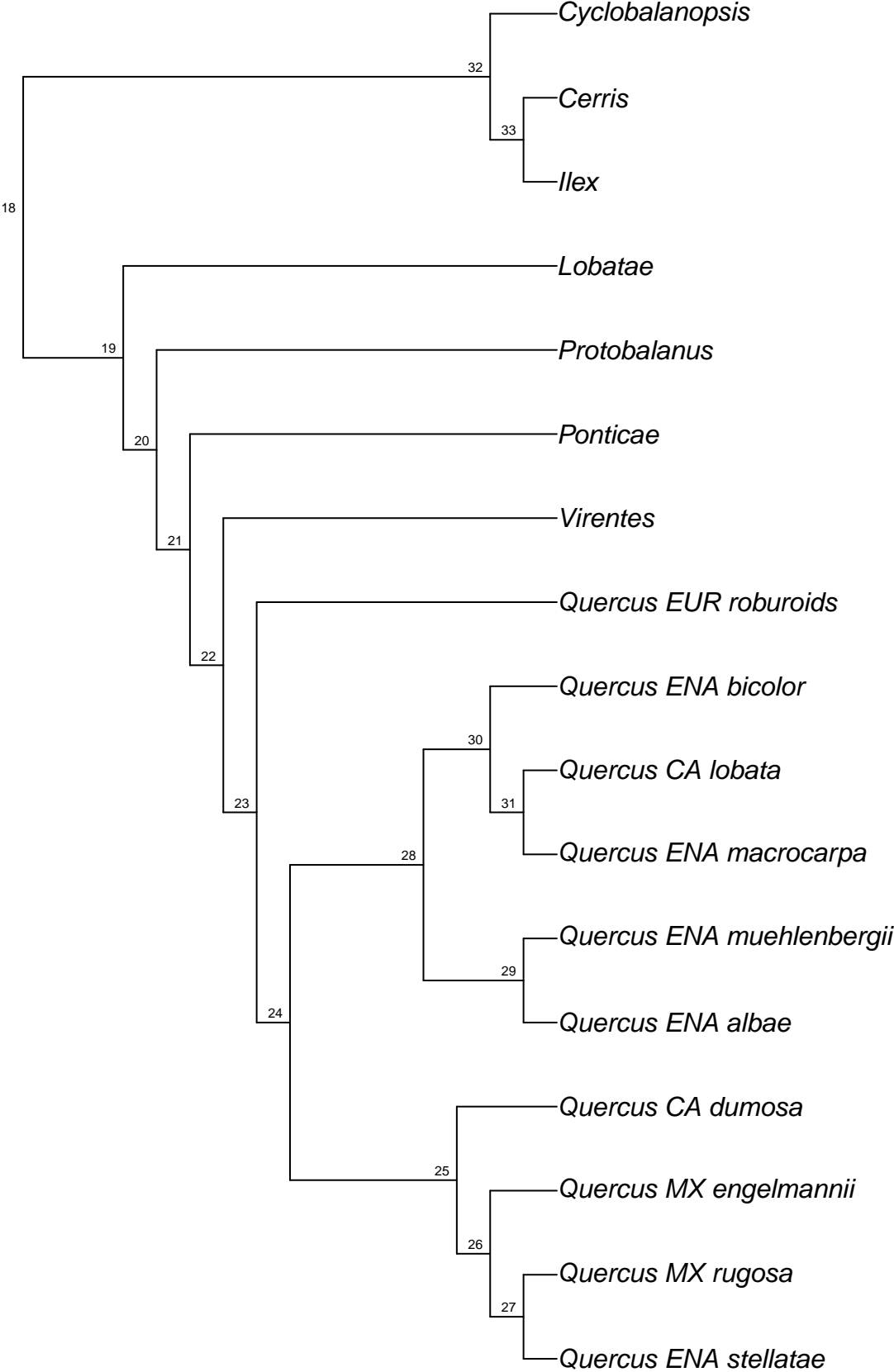
refRAD.ref\_variabilis\_raxml.bt092



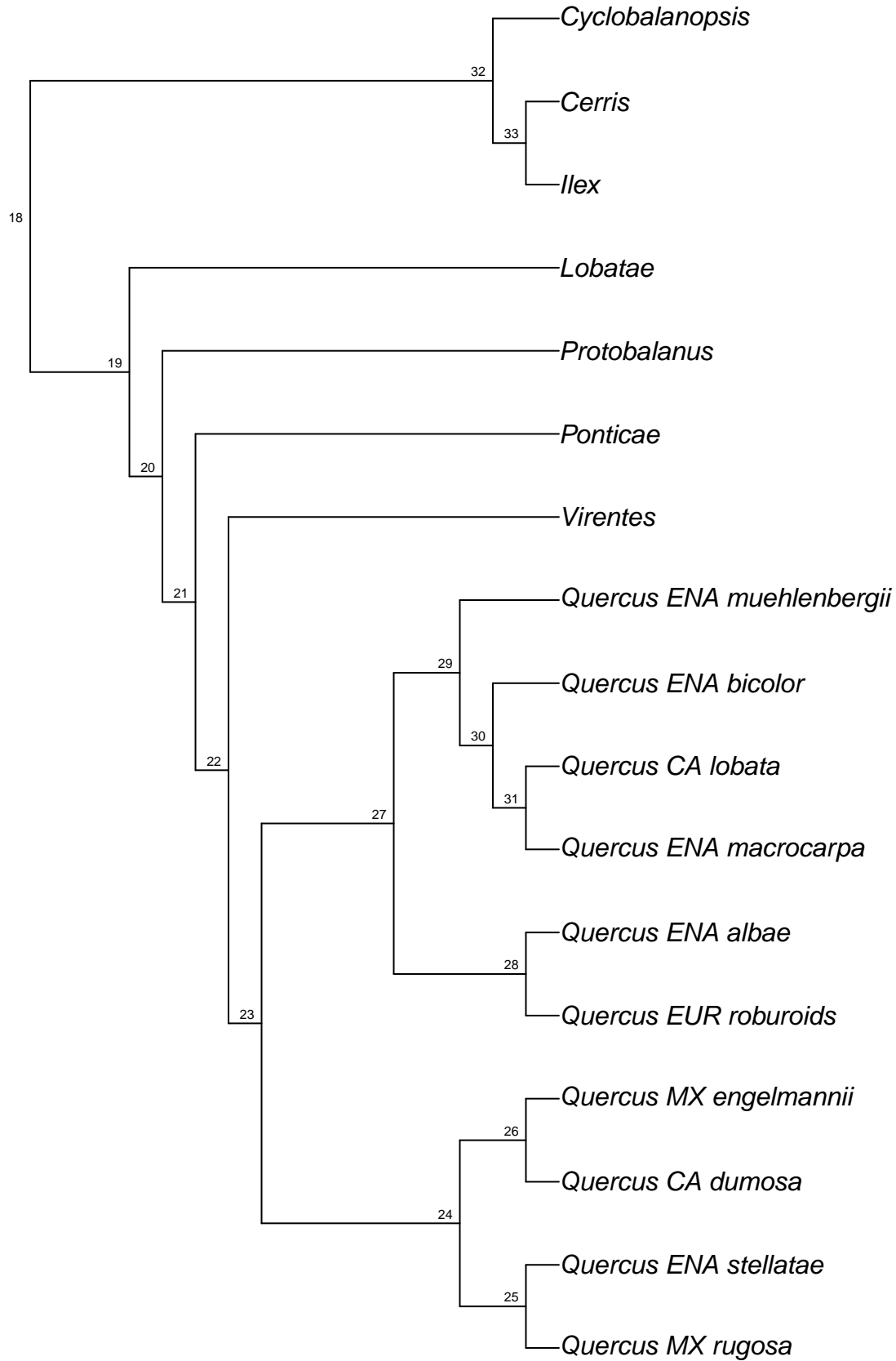
refRAD.ref\_variabilis\_raxml.bt093



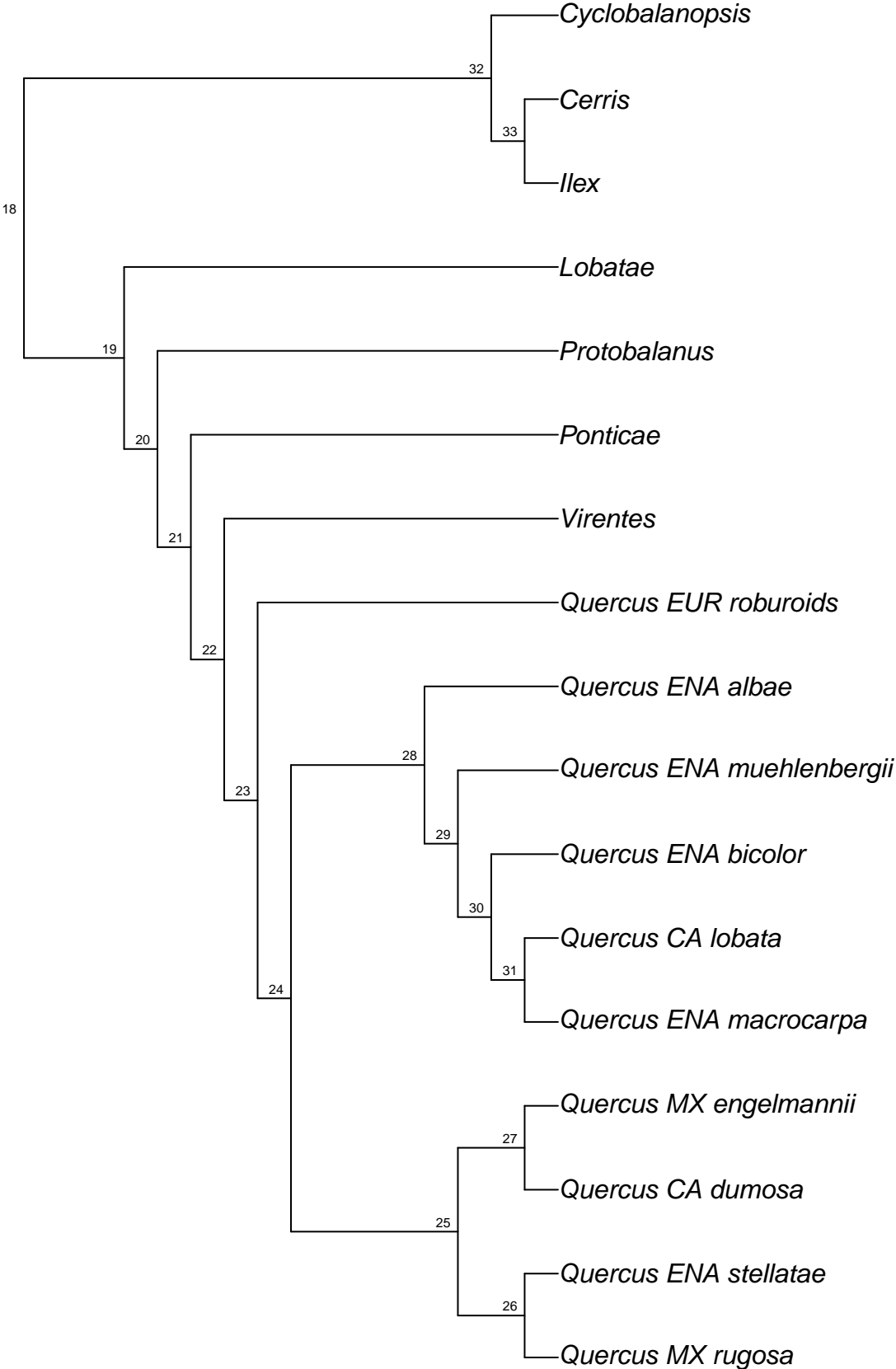
refRAD.ref\_variabilis\_raxml.bt094



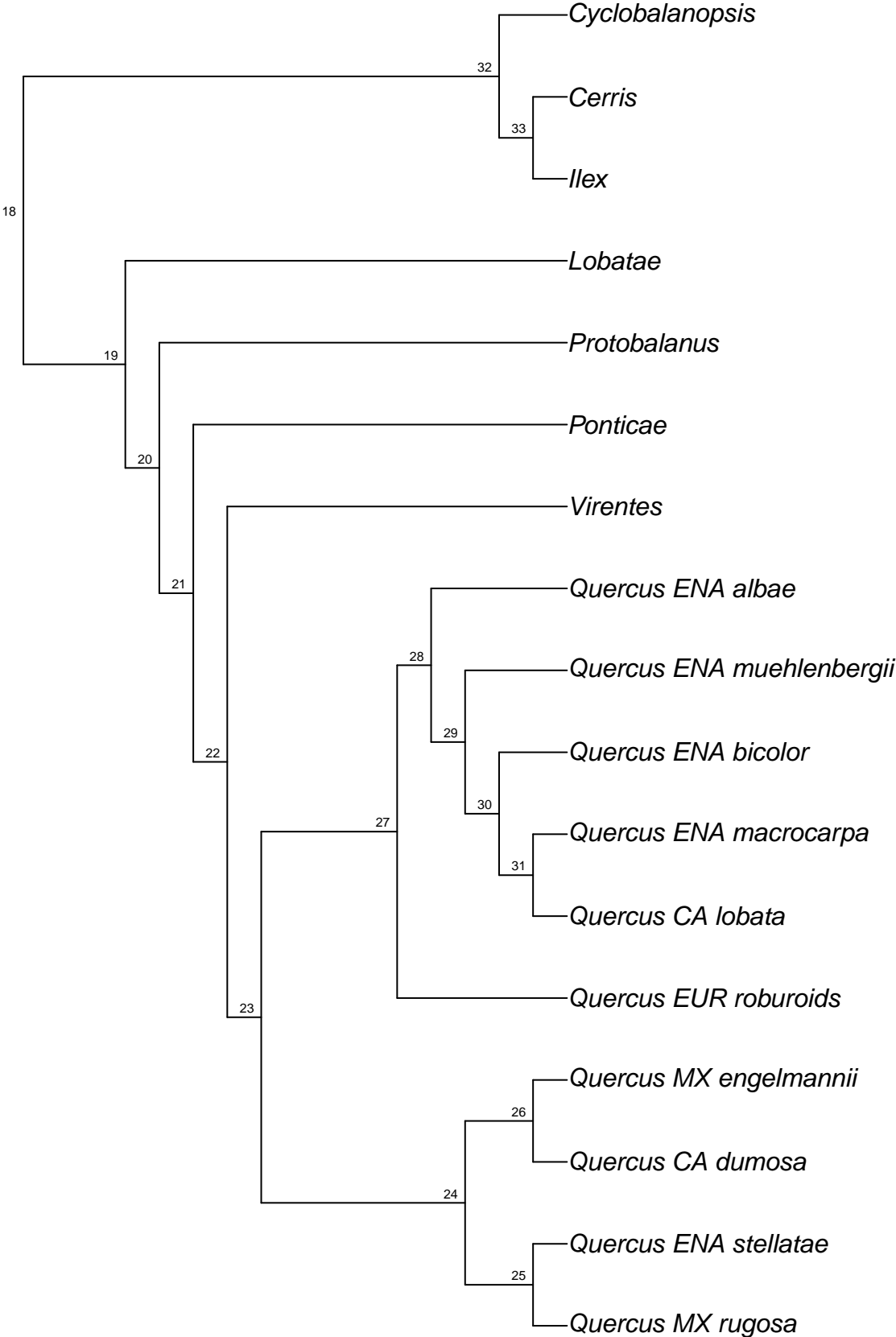
## refRAD.ref\_variablis\_raxml.bt095



refRAD.ref\_variabilis\_raxml.bt096

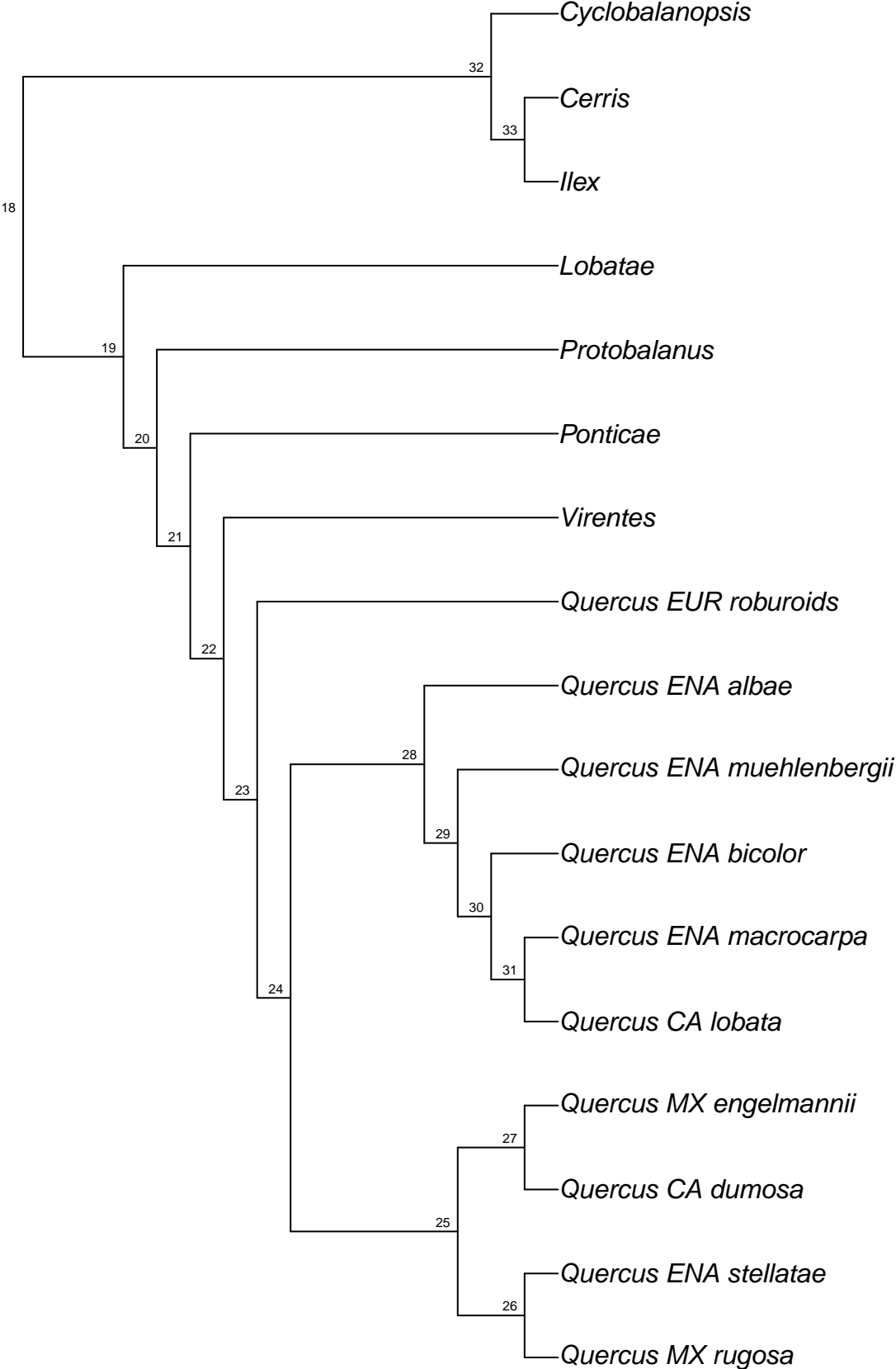


refRAD.ref\_variabilis\_raxml.bt097

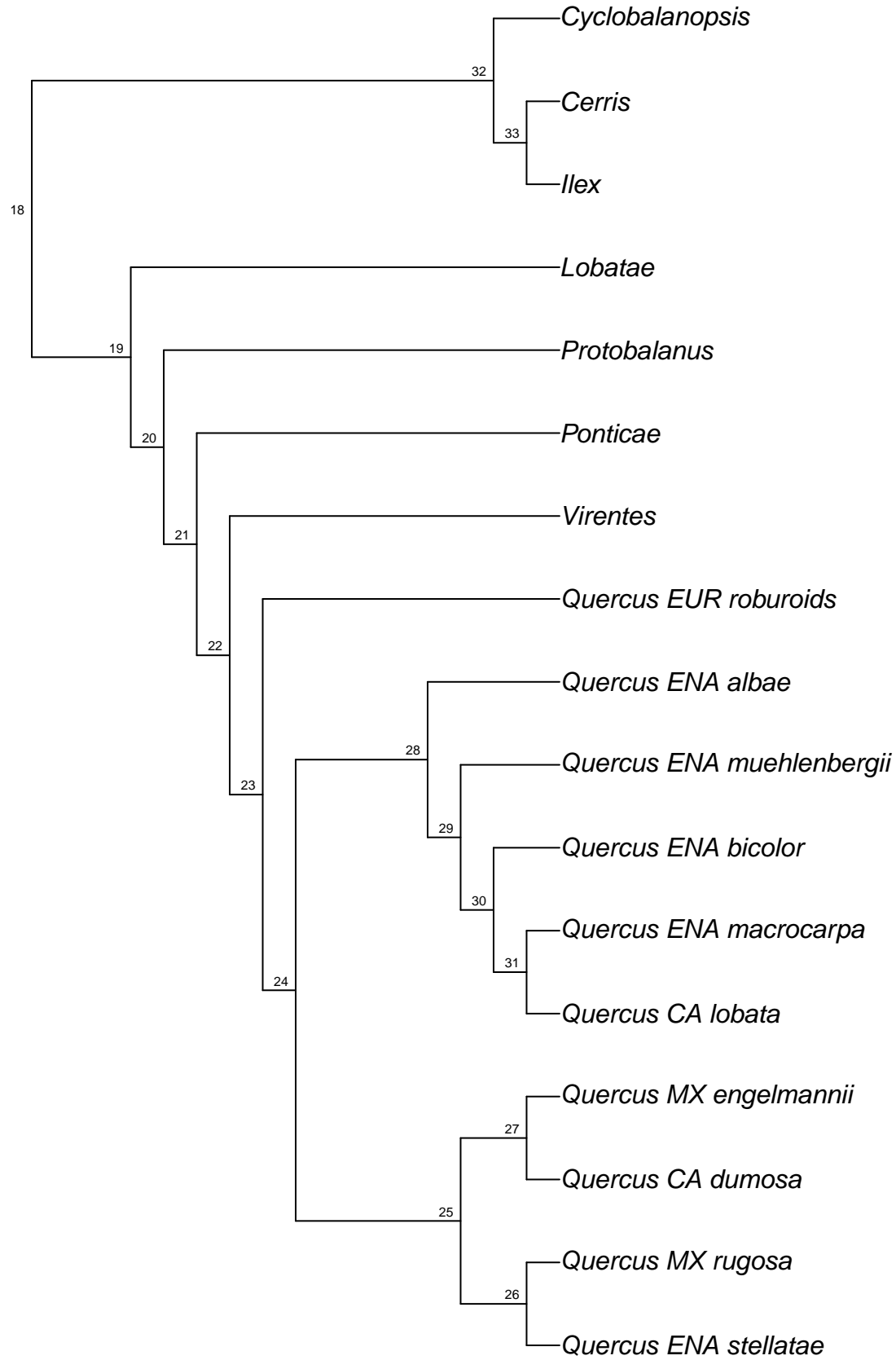




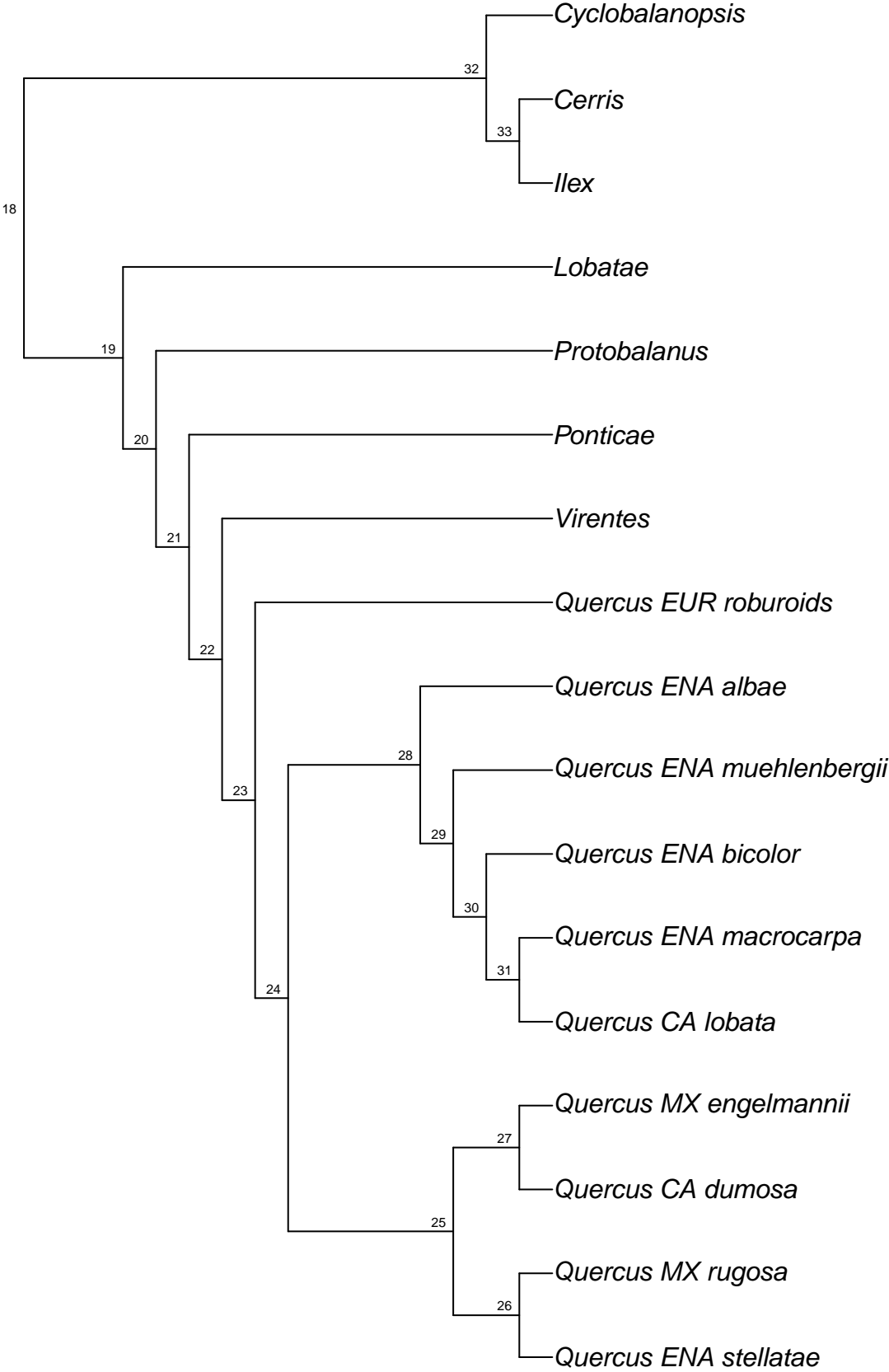
refRAD.ref\_variabilis\_raxml.bt098



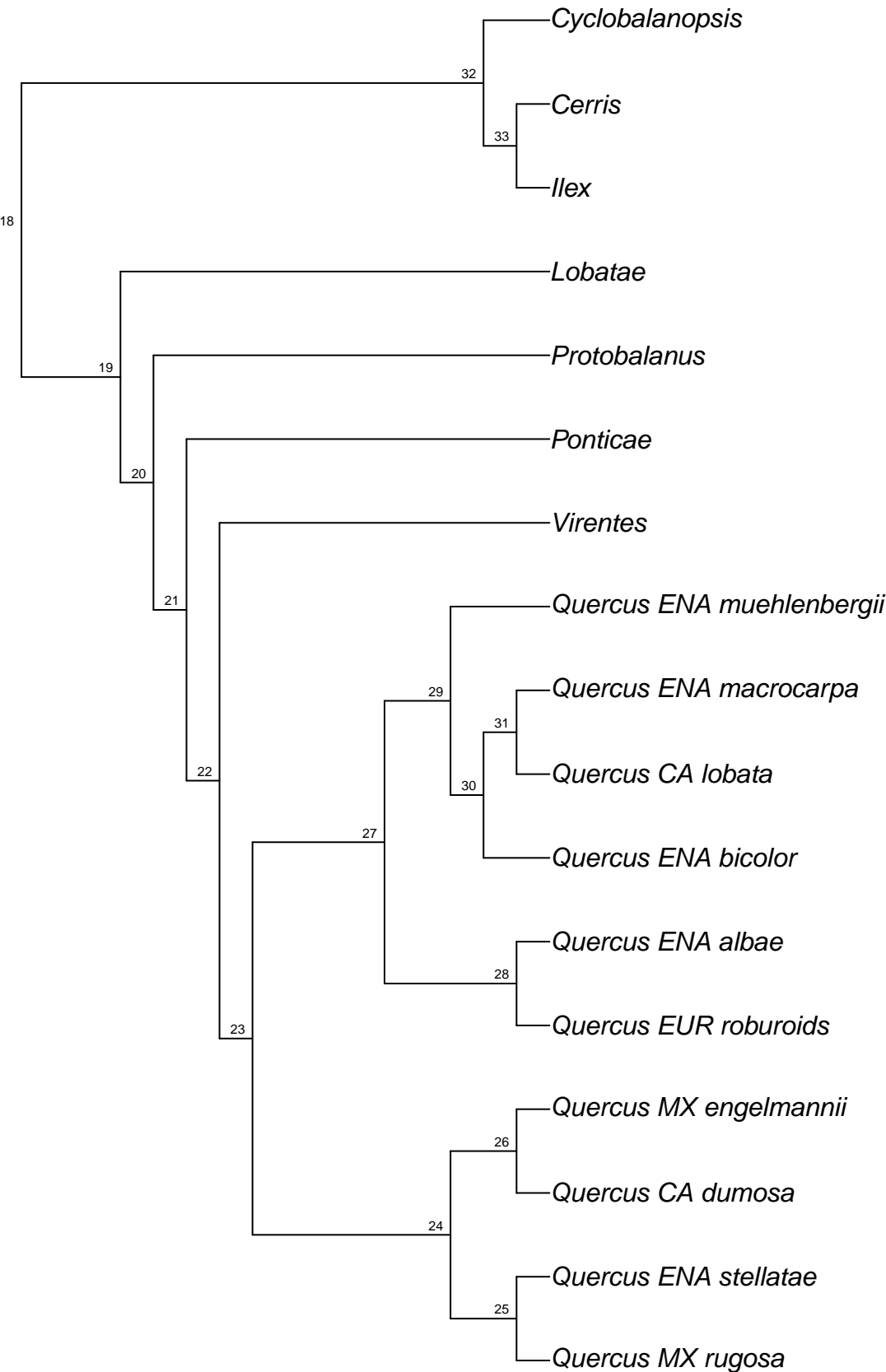
refRAD.ref\_variabilis\_raxml.bt099



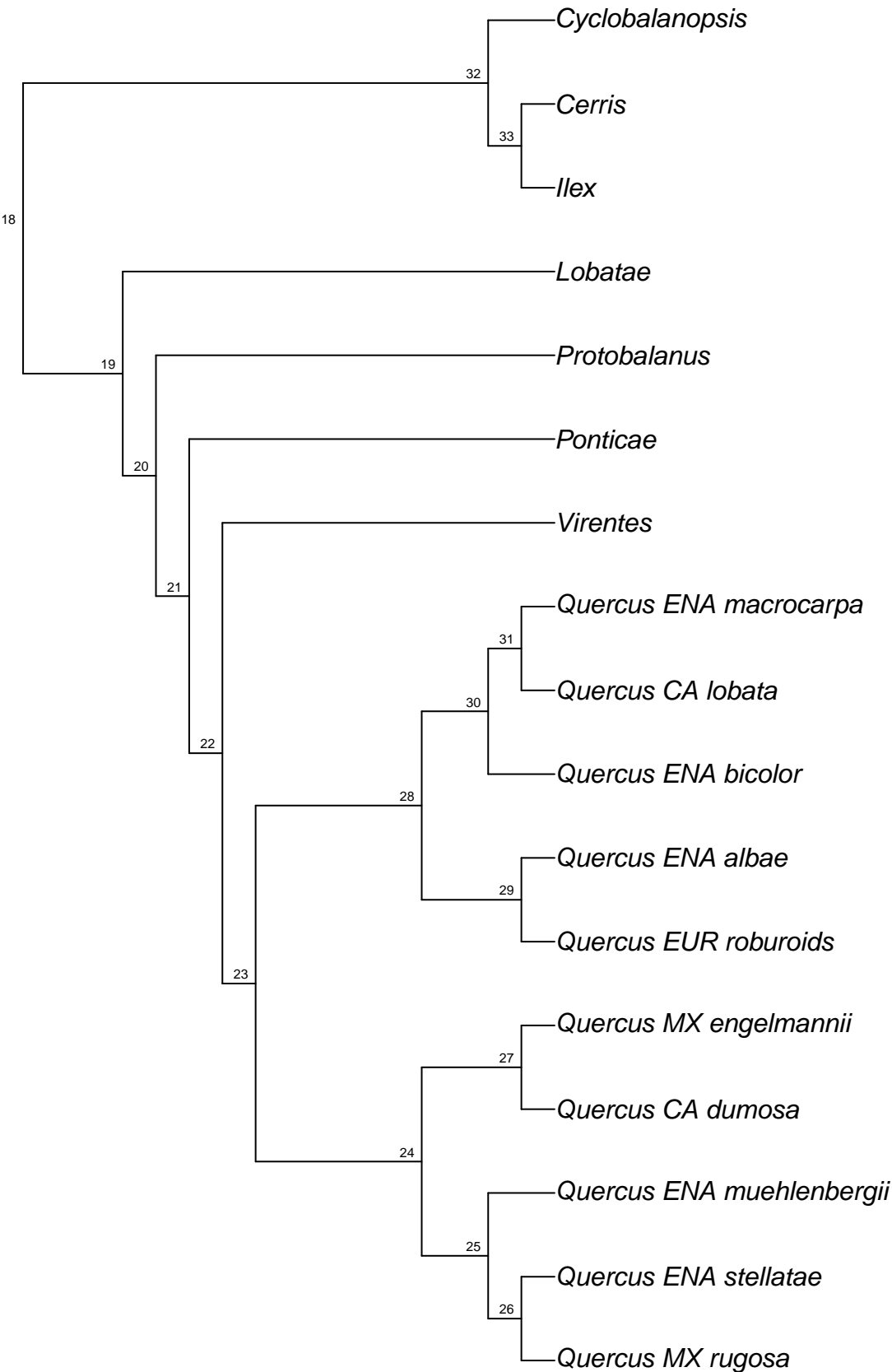
refRAD.ref\_variabilis\_raxml.bt100

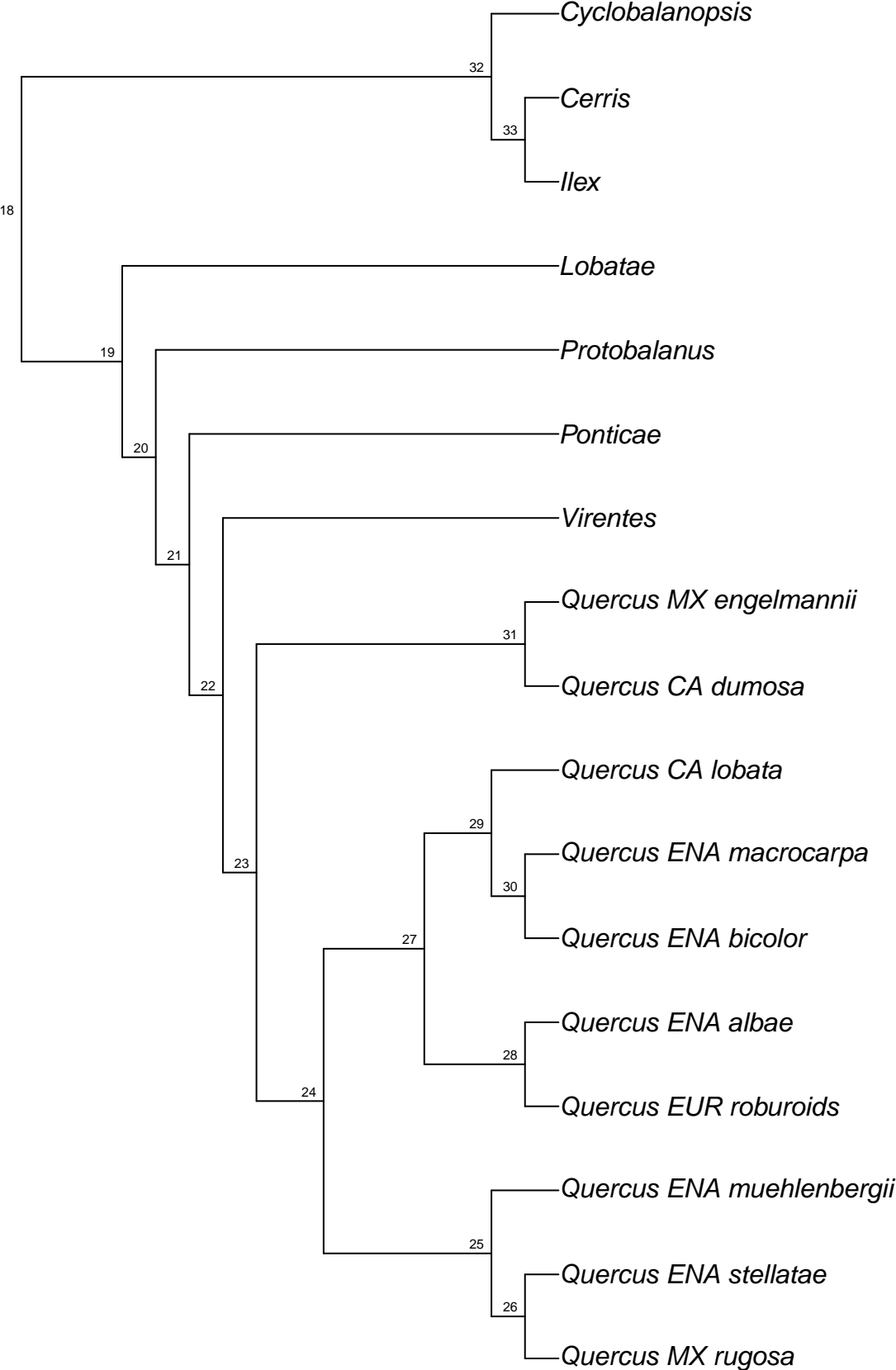


refRAD.ref\_virginiana\_raxml.bt001

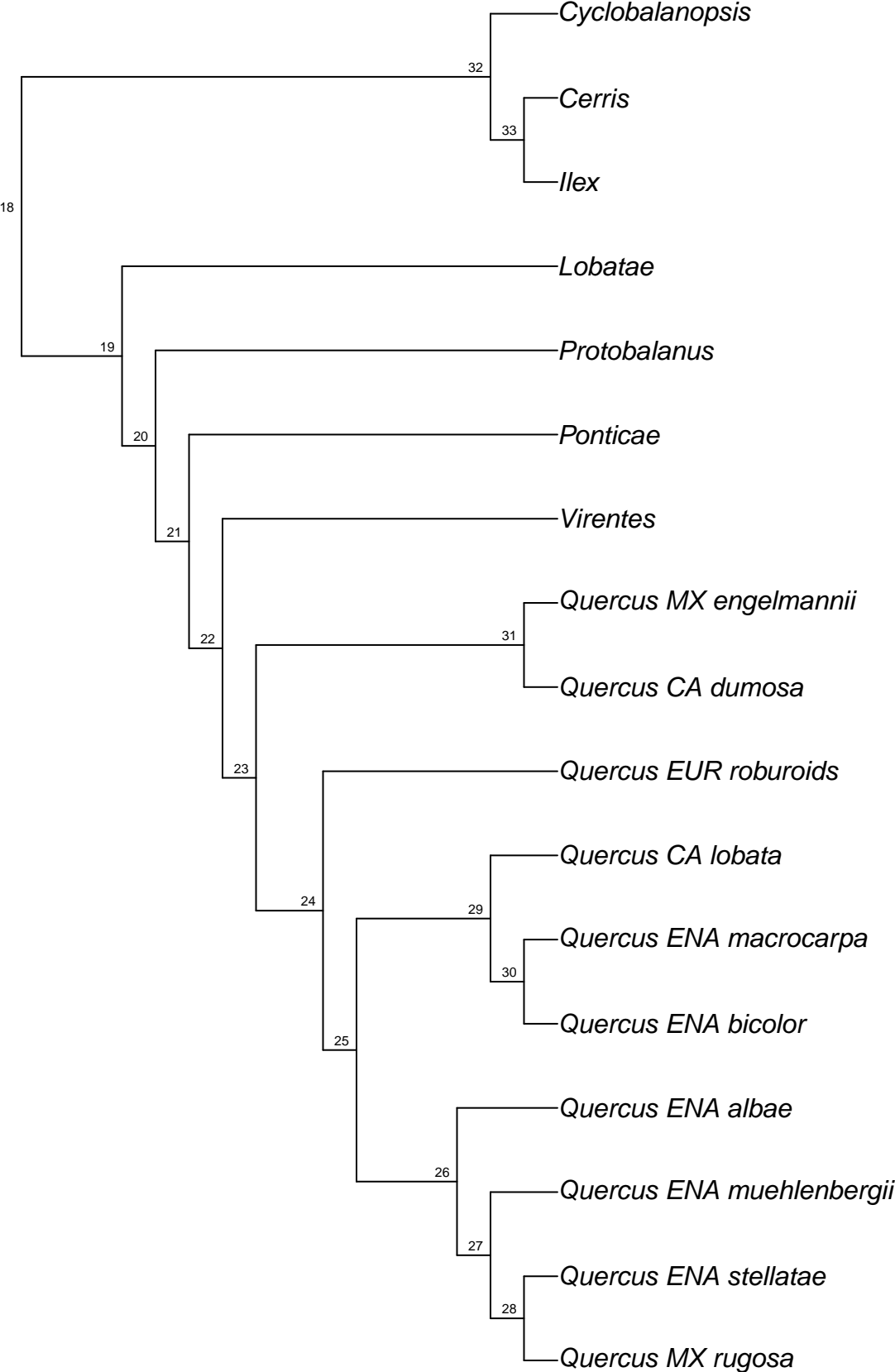


refRAD.ref\_virginiana\_raxml.bt002

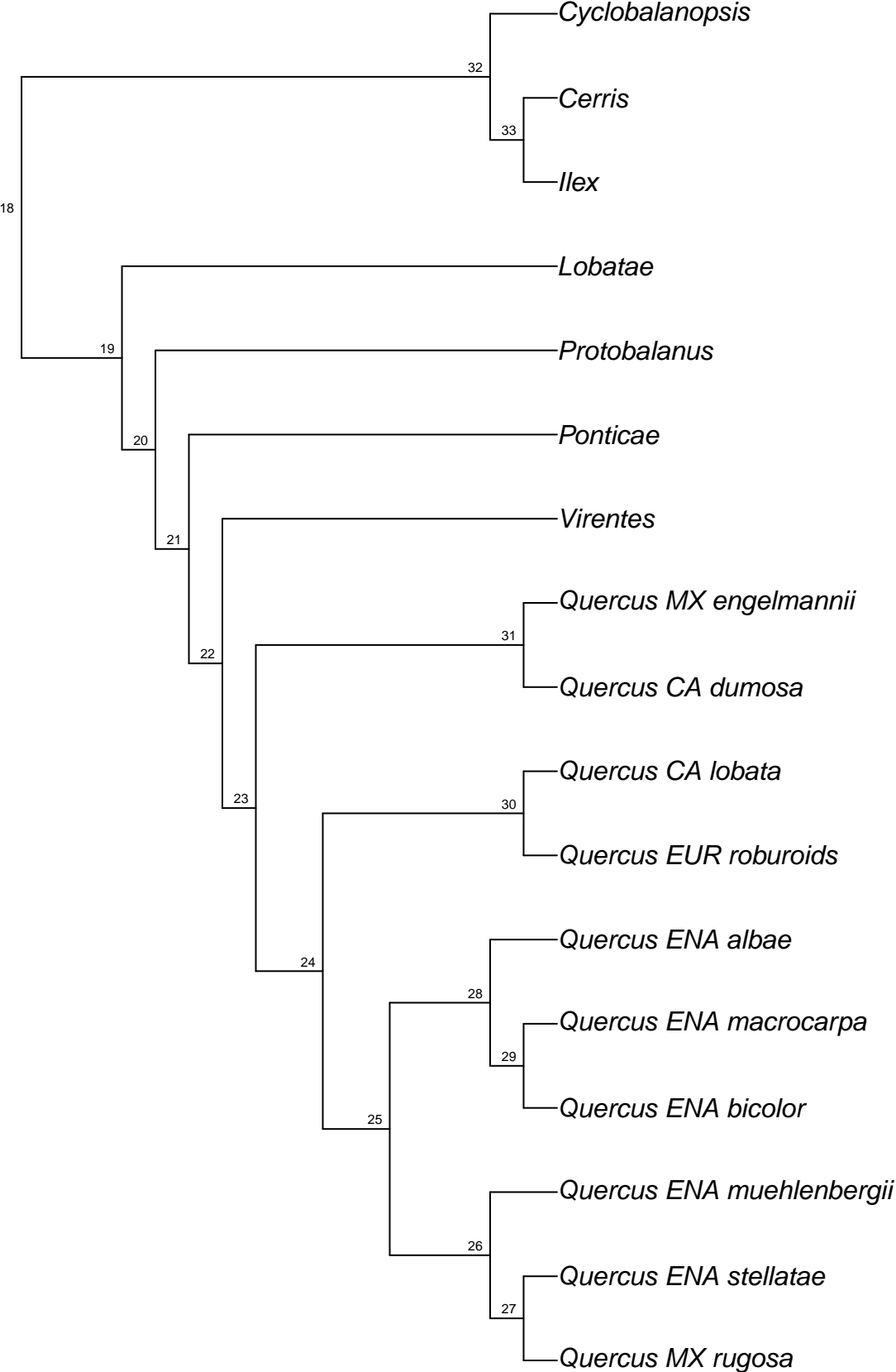




refRAD.ref\_virginiana\_raxml.bt004

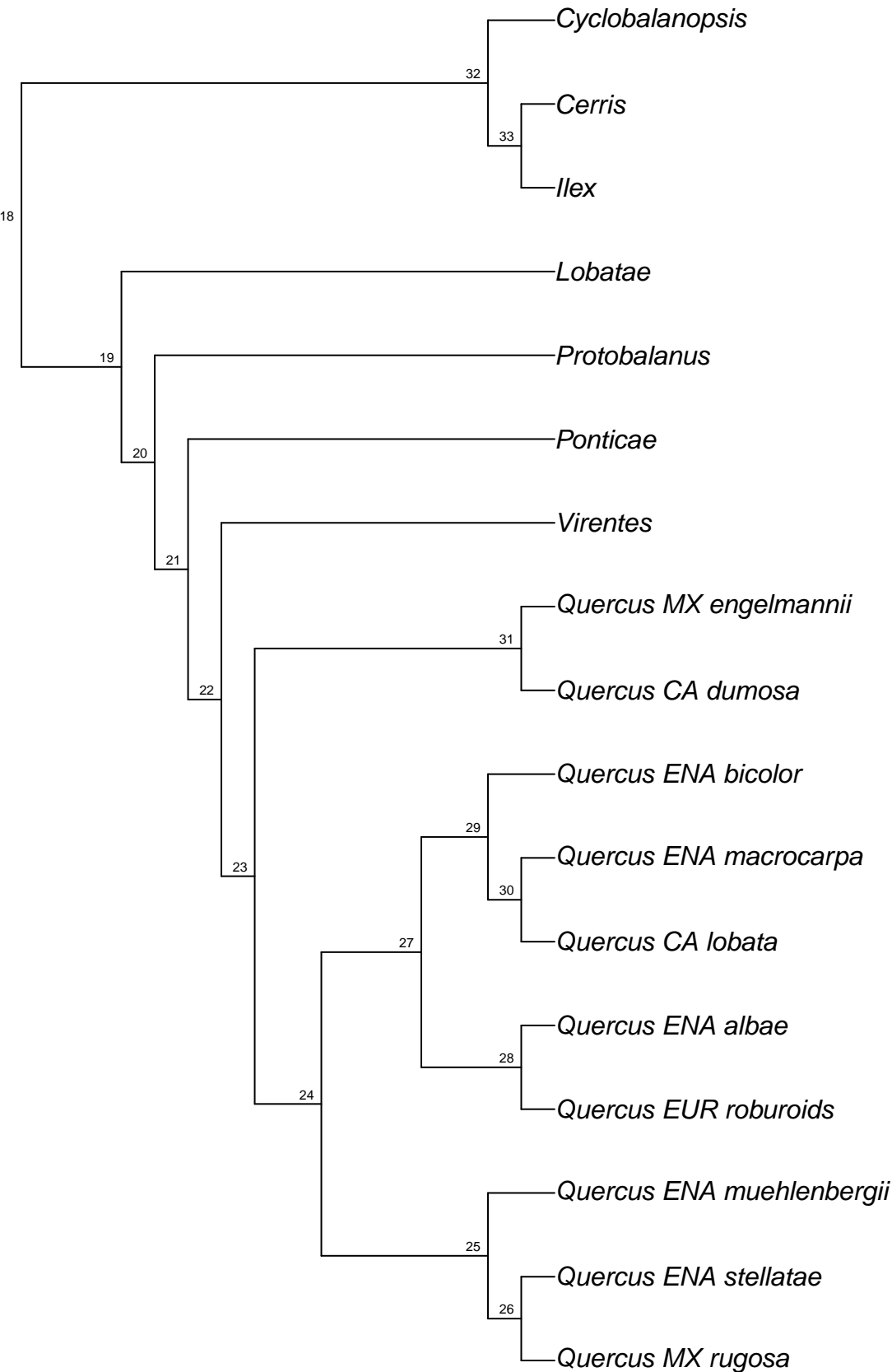


refRAD.ref\_virginiana\_raxml.bt005

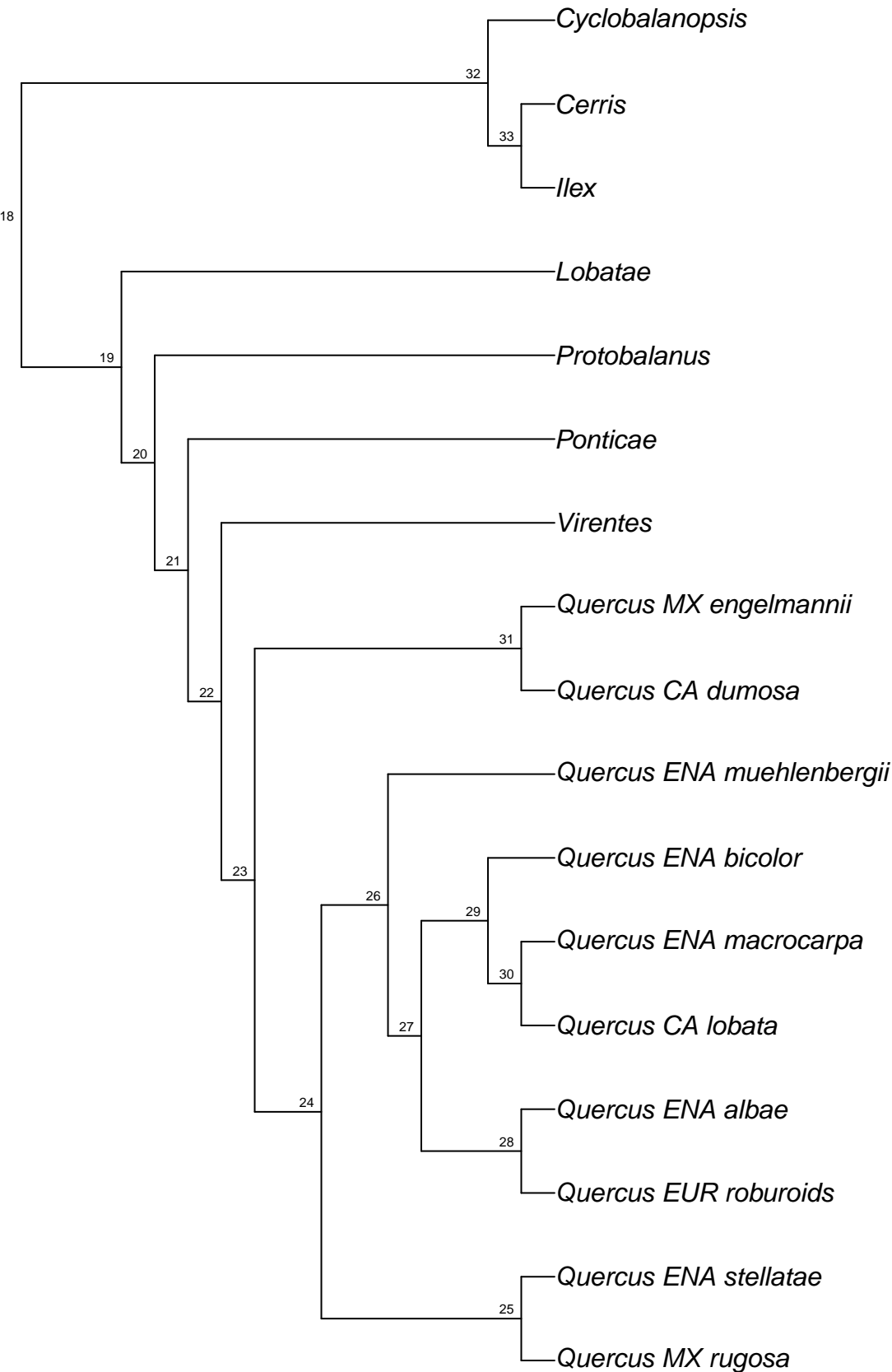




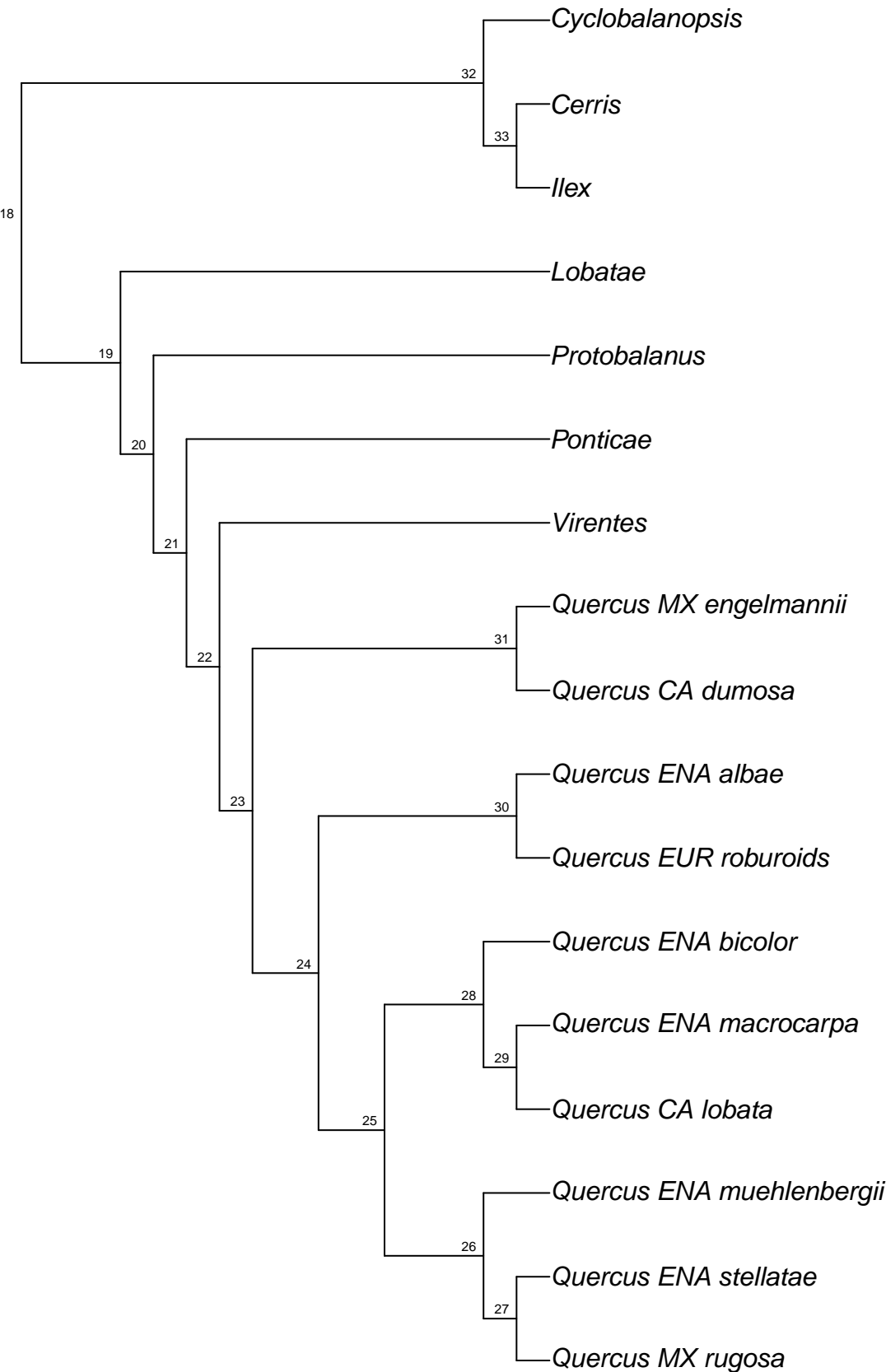
refRAD.ref\_virginiana\_raxml.bt006



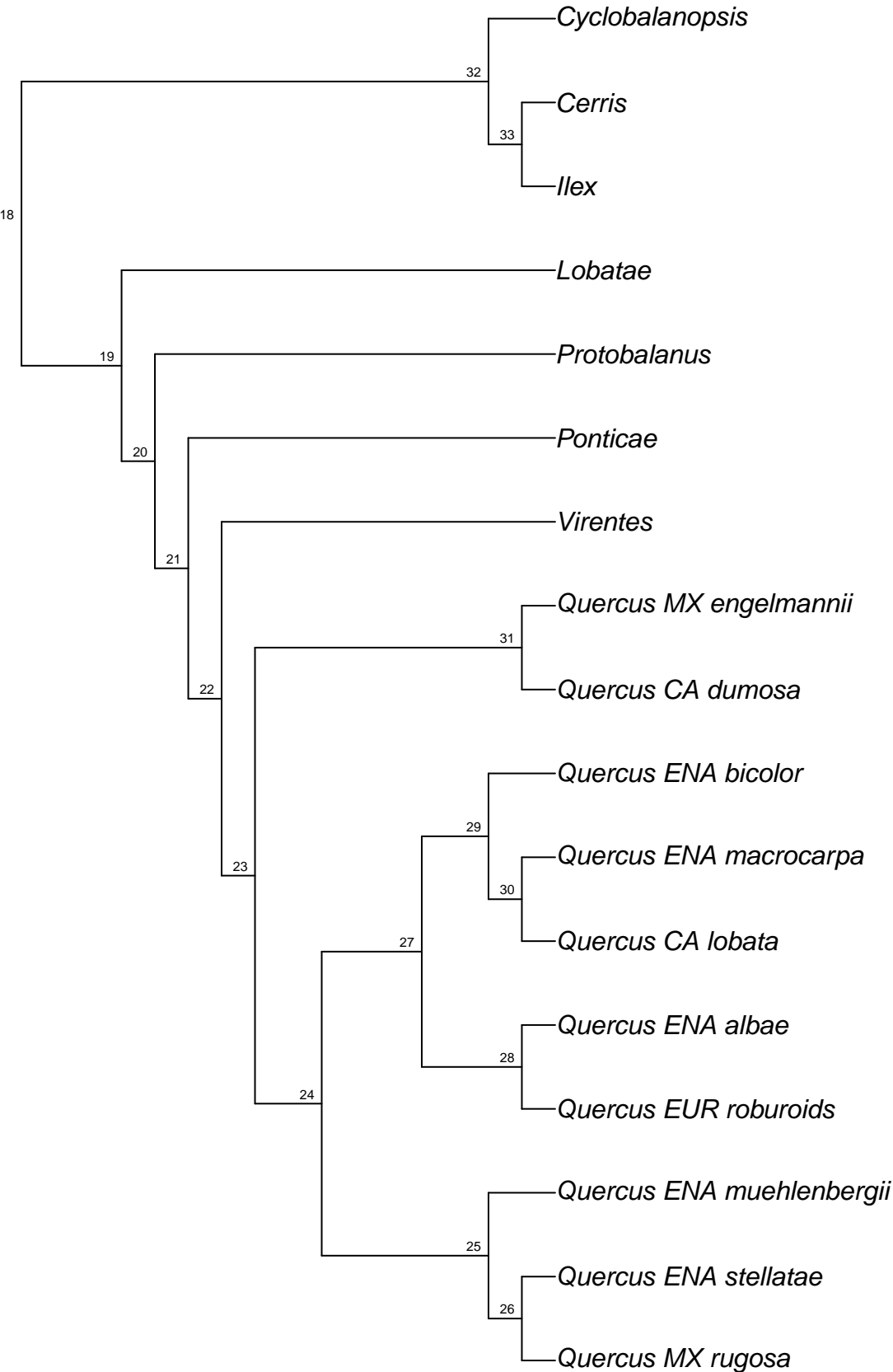
refRAD.ref\_virginiana\_raxml.bt007



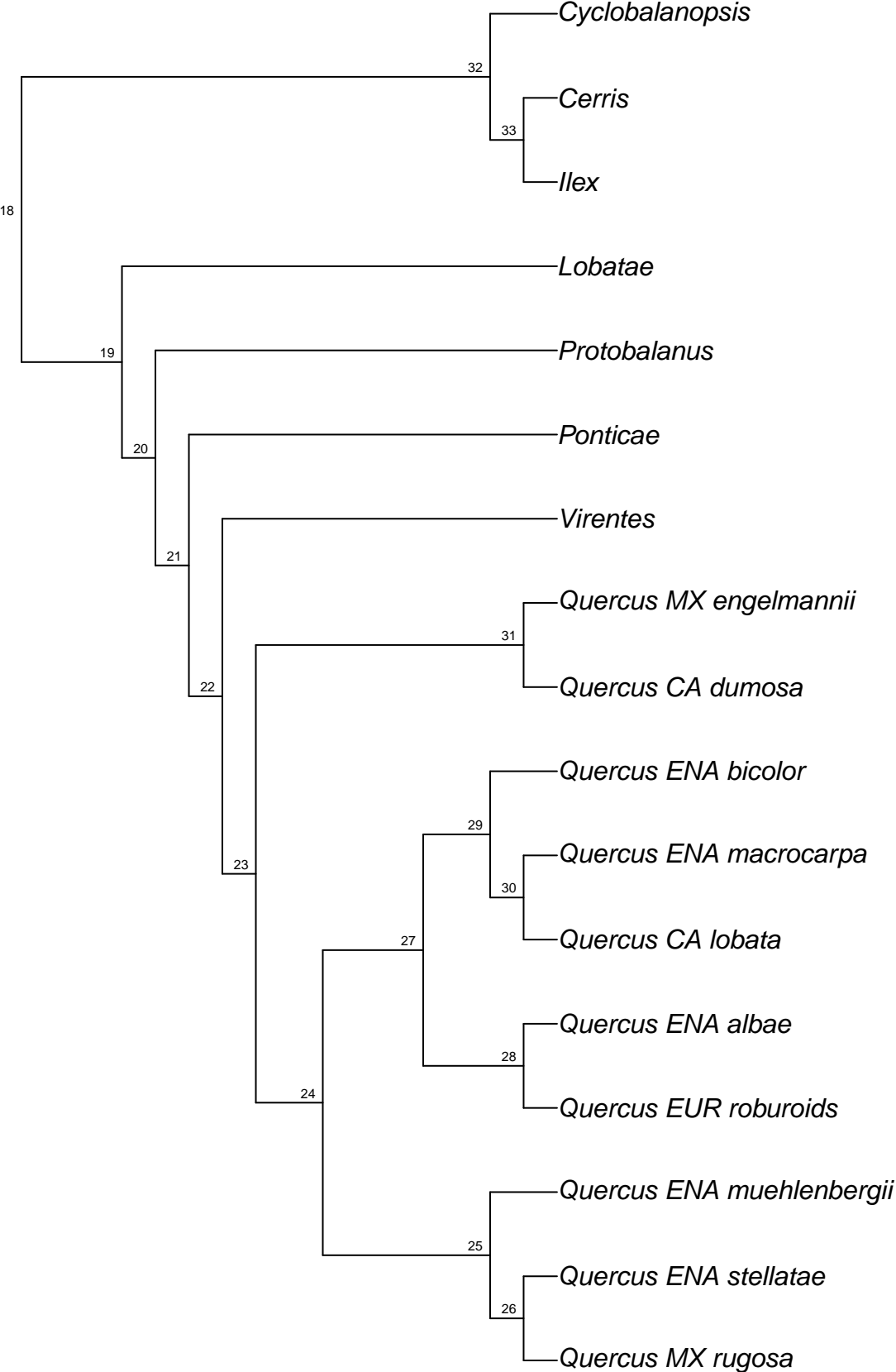
refRAD.ref\_virginiana\_raxml.bt008



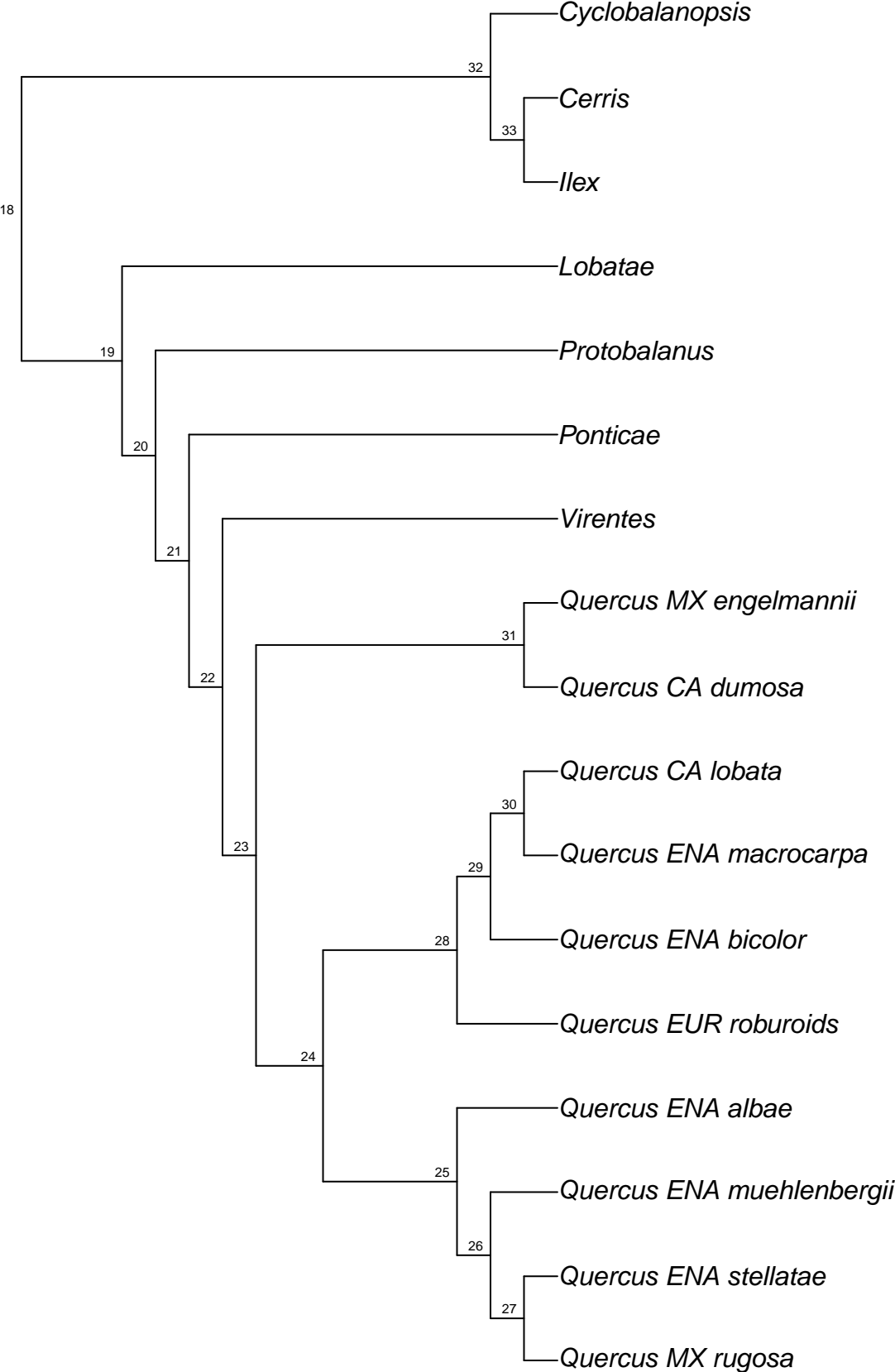
refRAD.ref\_virginiana\_raxml.bt009



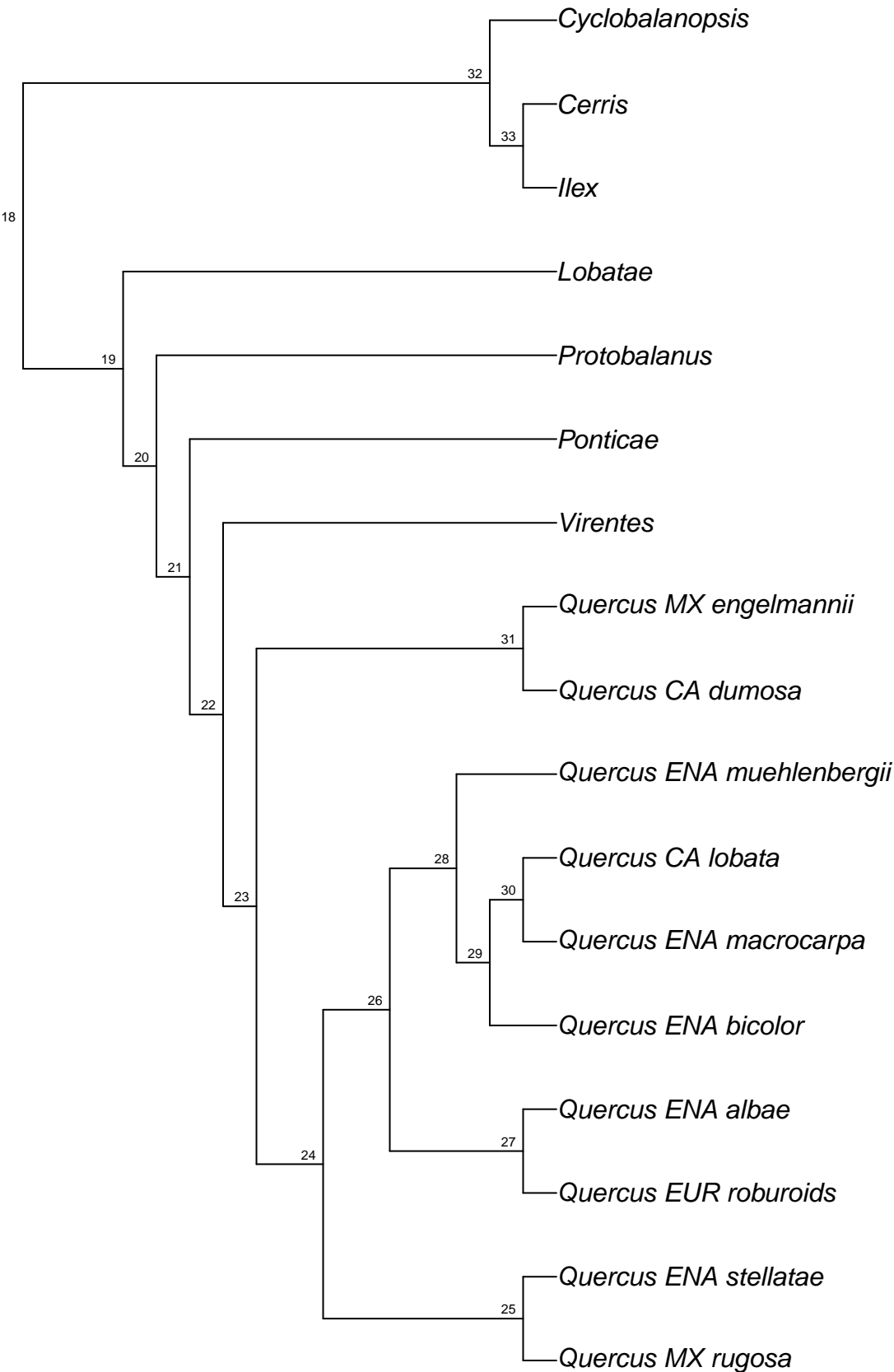
refRAD.ref\_virginiana\_raxml.bt010



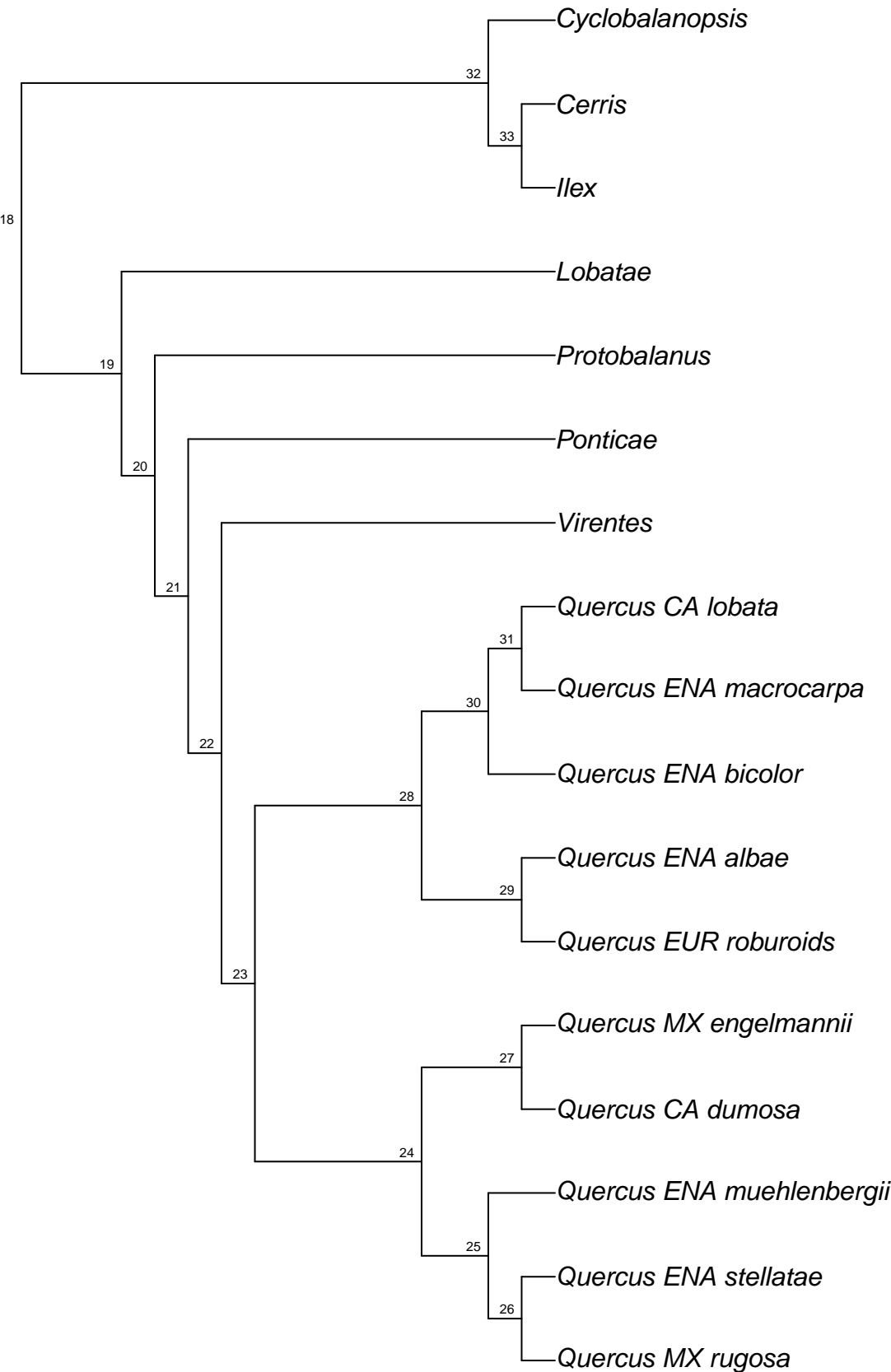
refRAD.ref\_virginiana\_raxml.bt011



refRAD.ref\_virginiana\_raxml.bt012

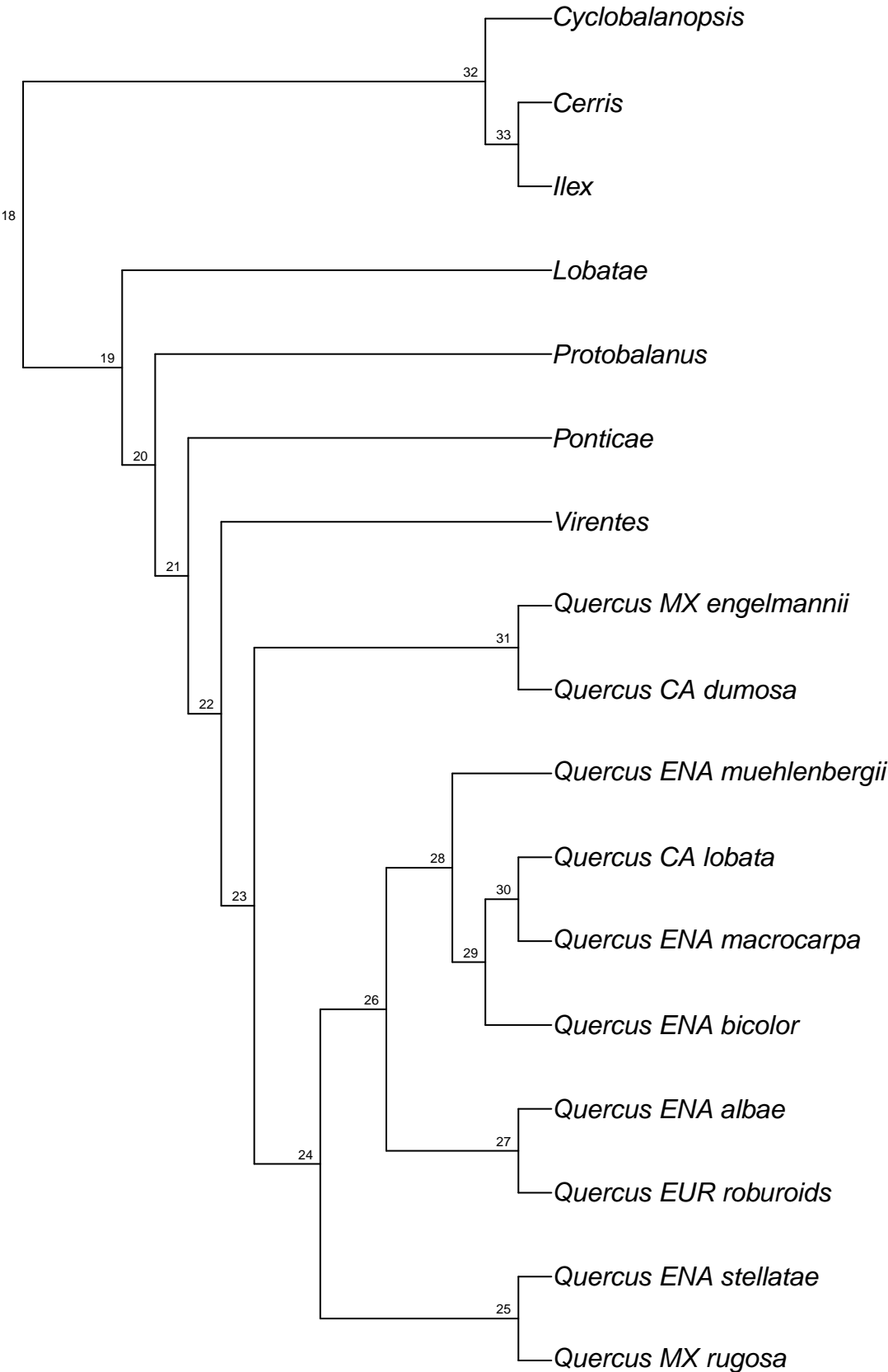


refRAD.ref\_virginiana\_raxml.bt013

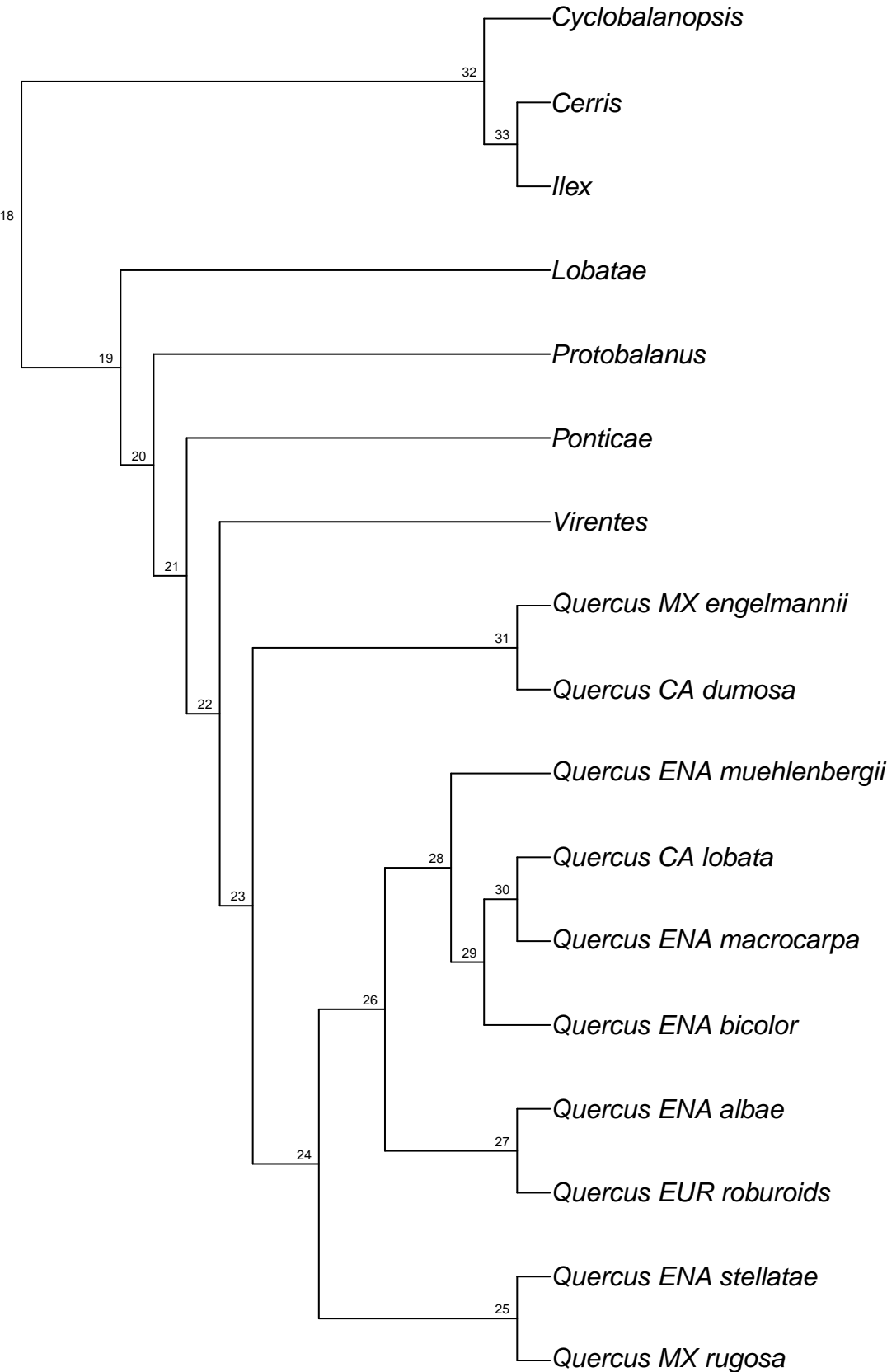




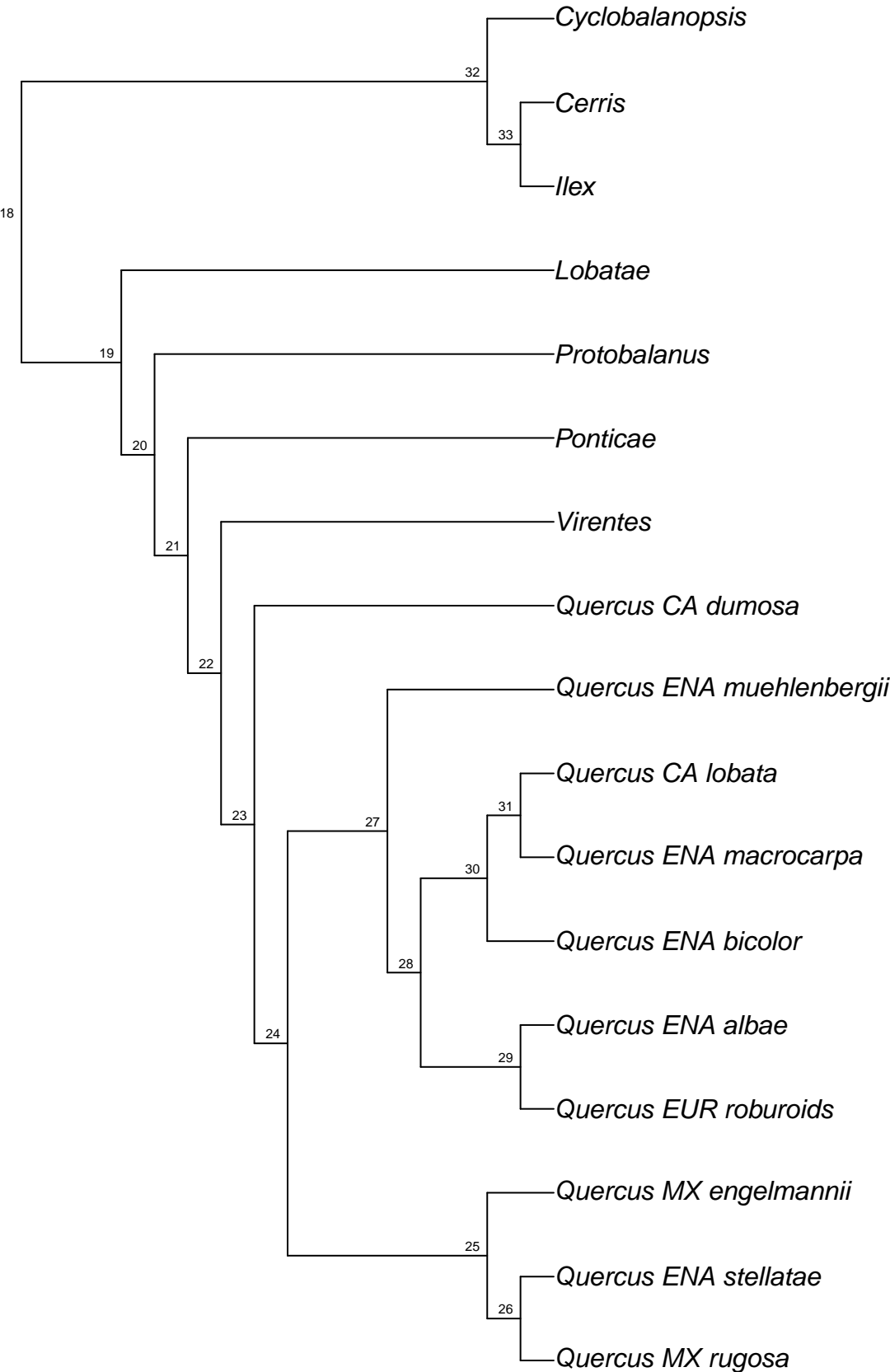
refRAD.ref\_virginiana\_raxml.bt014



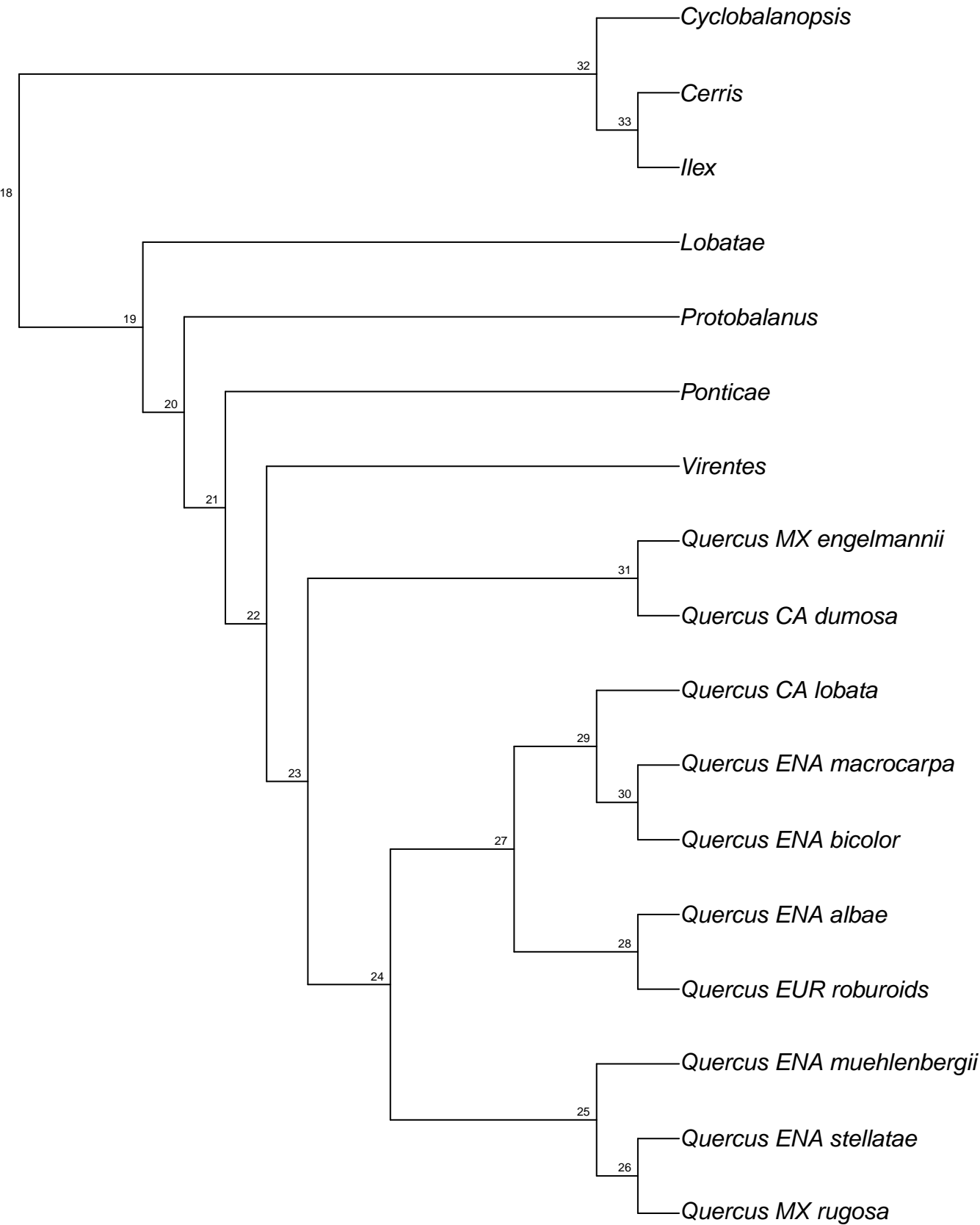
refRAD.ref\_virginiana\_raxml.bt015



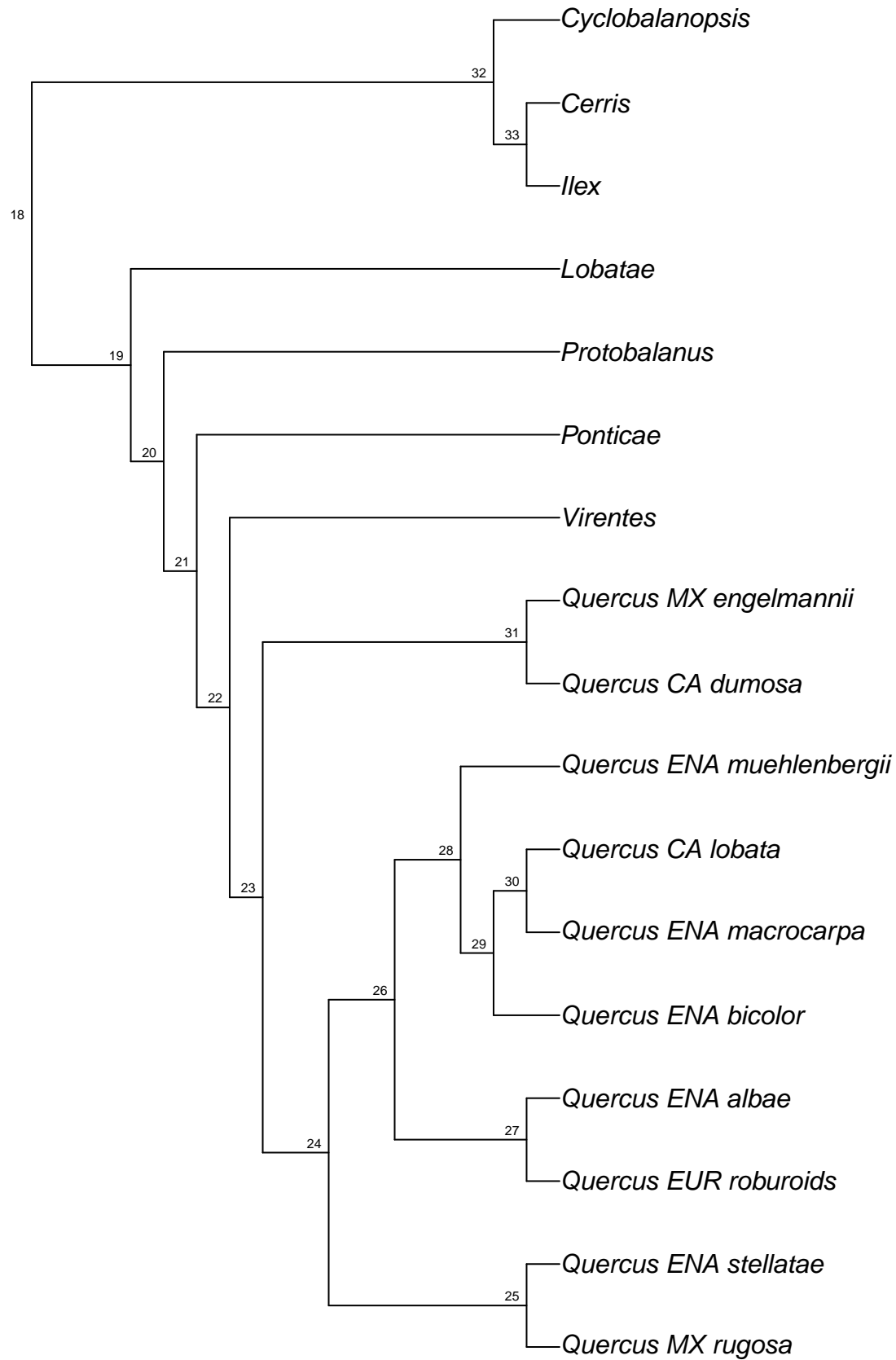
refRAD.ref\_virginiana\_raxml.bt016



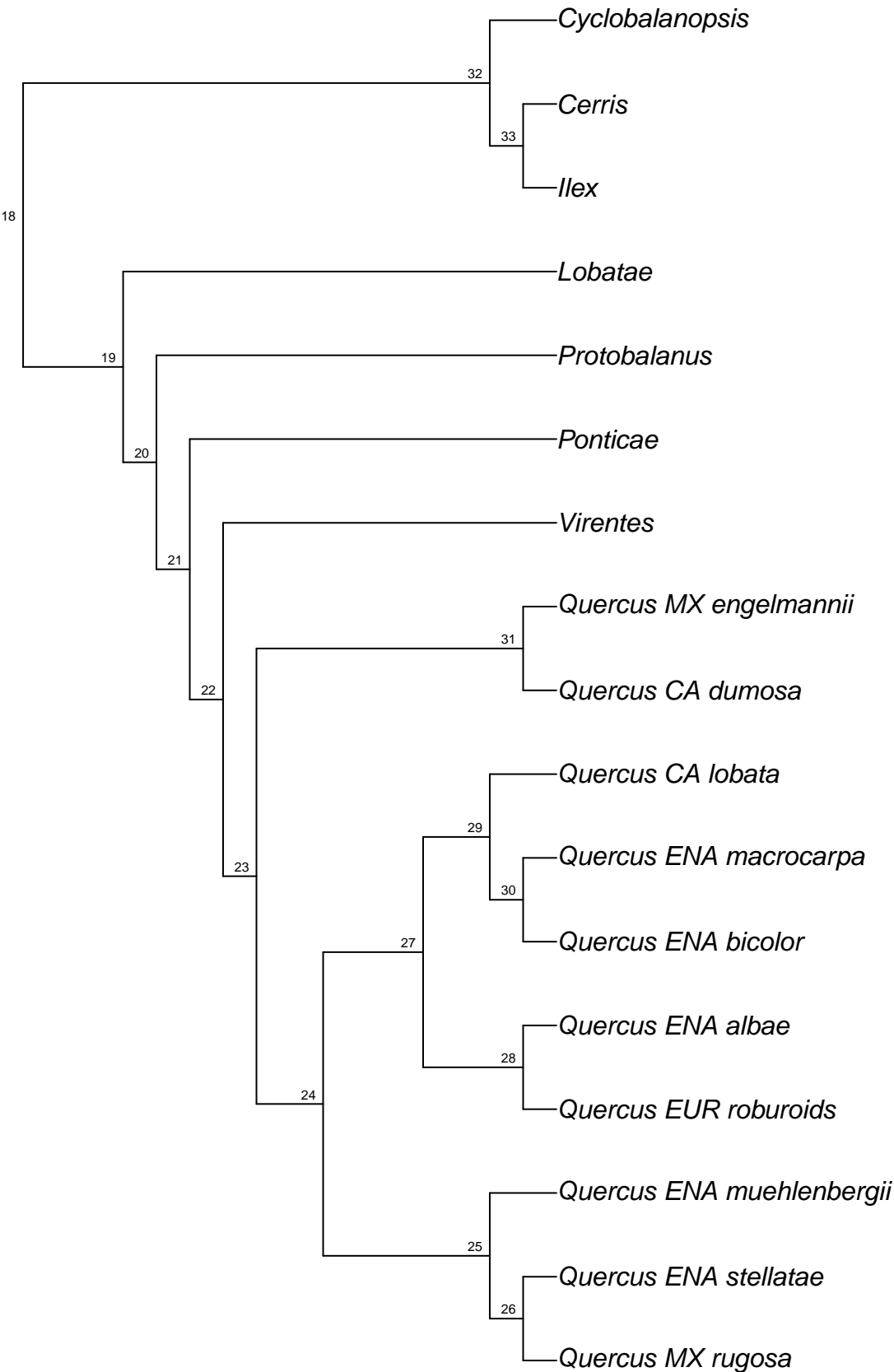
refRAD.ref\_virginiana\_raxml.bt017



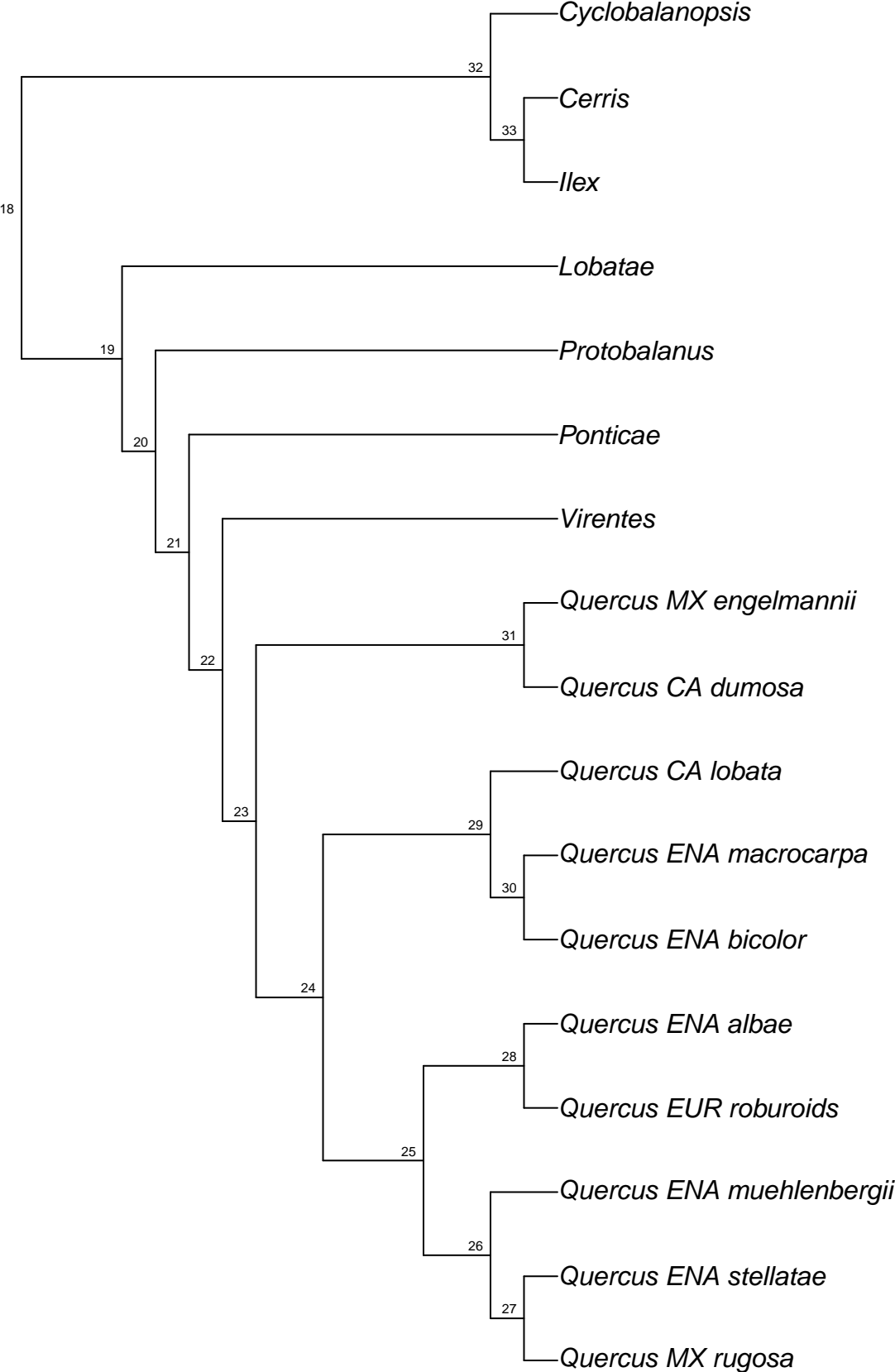
## refRAD.ref\_virginiana\_raxml.bt018



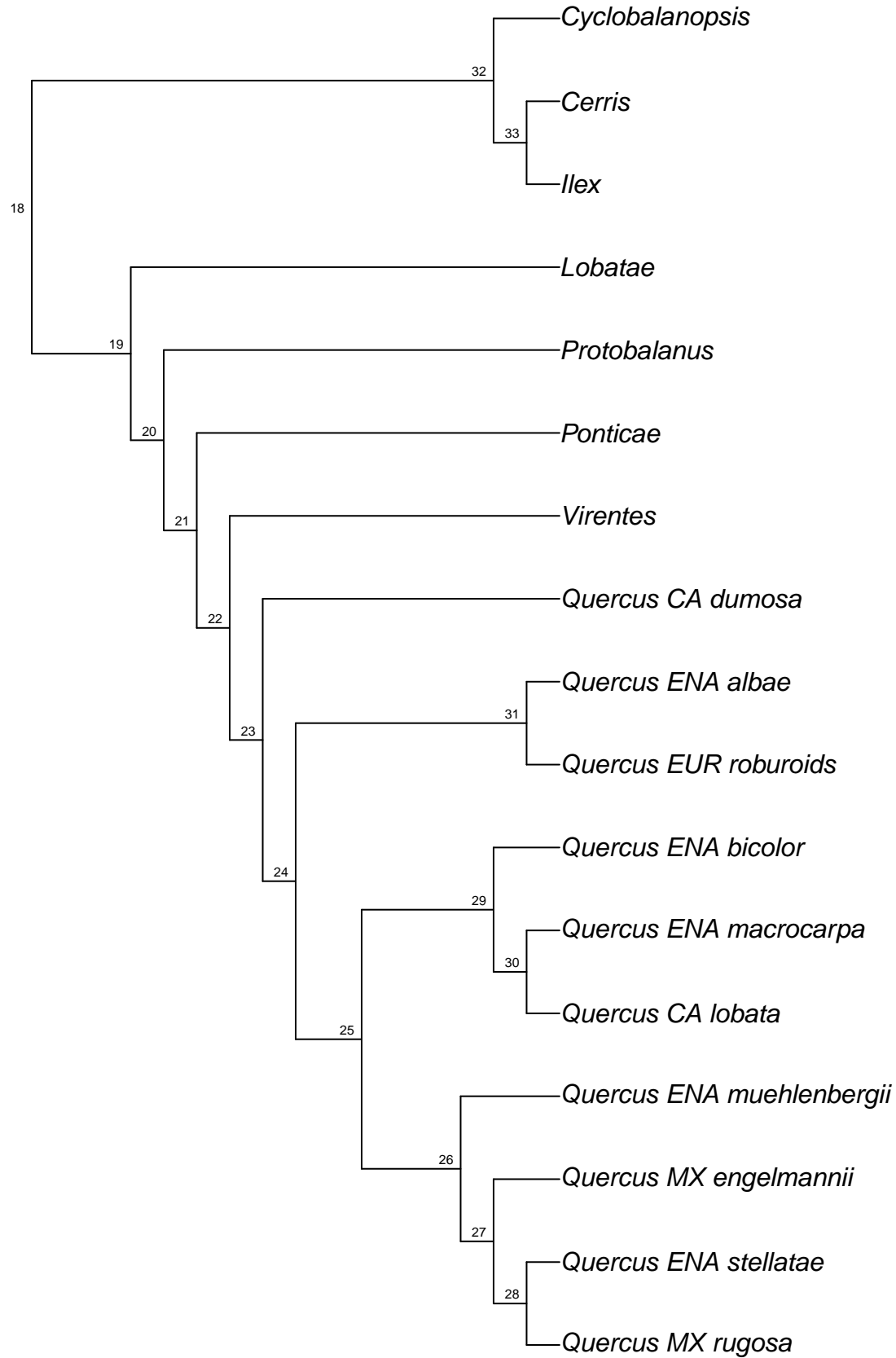
refRAD.ref\_virginiana\_raxml.bt019



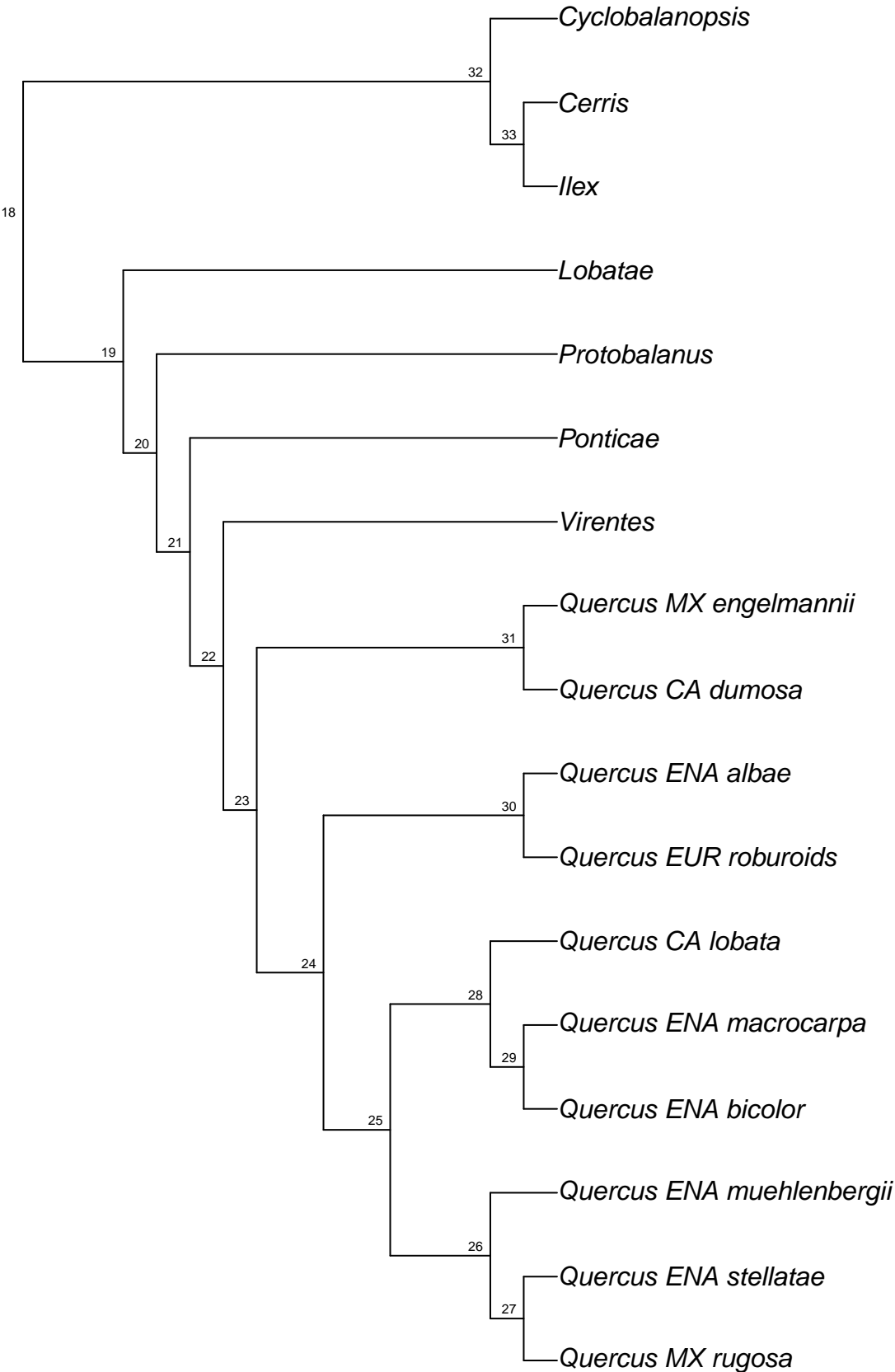
refRAD.ref\_virginiana\_raxml.bt020



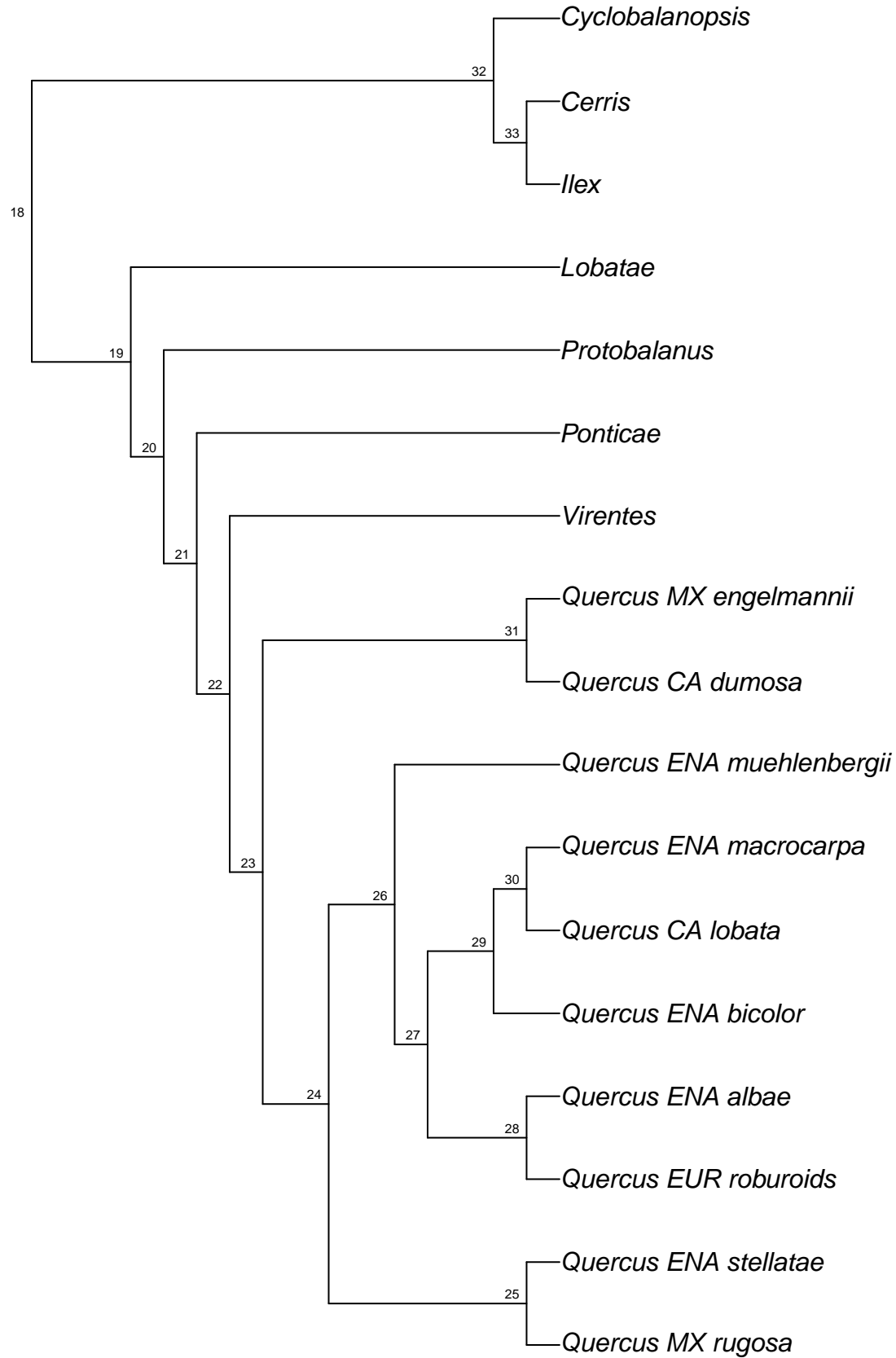
## refRAD.ref\_virginiana\_raxml.bt021



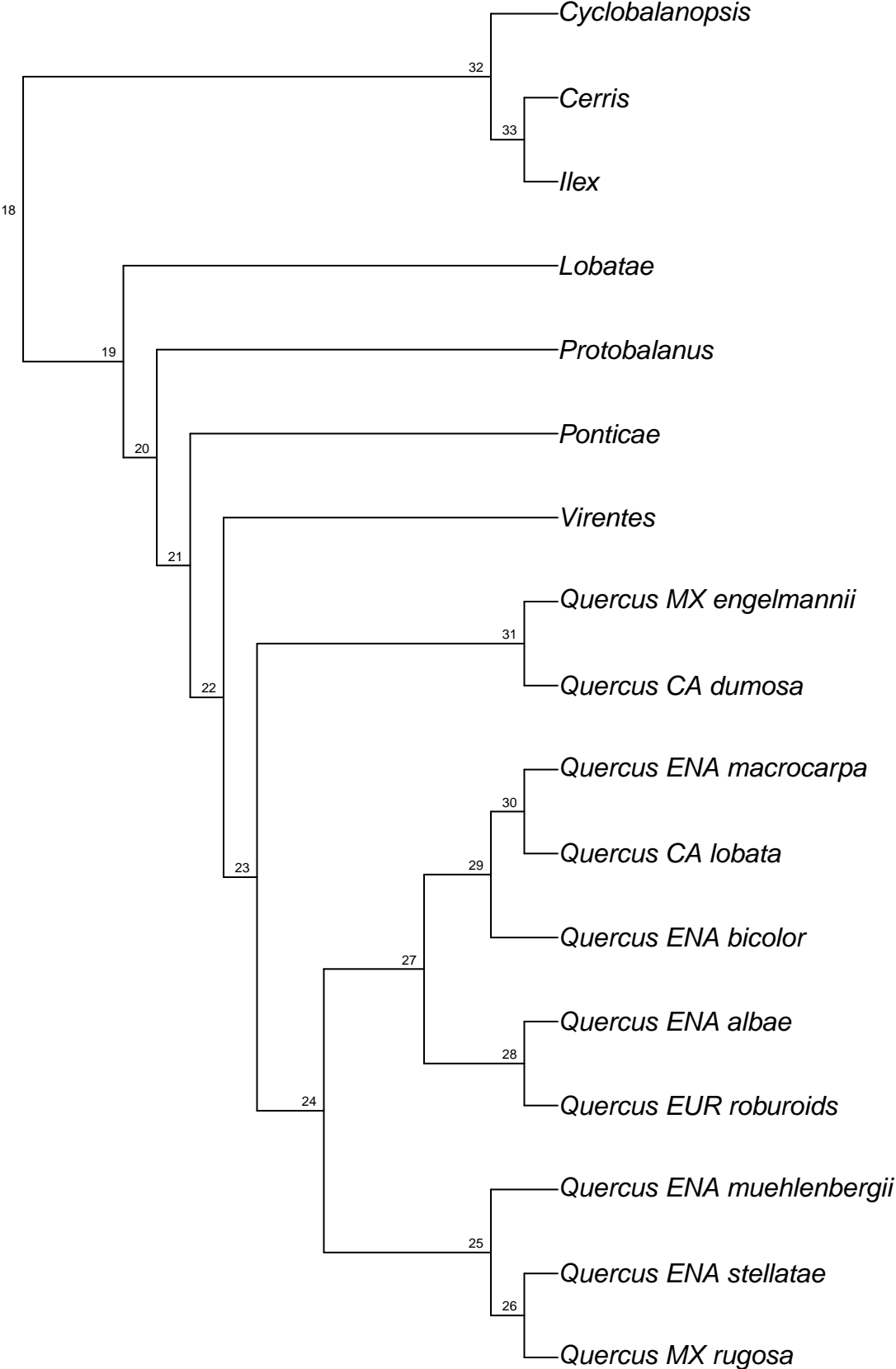




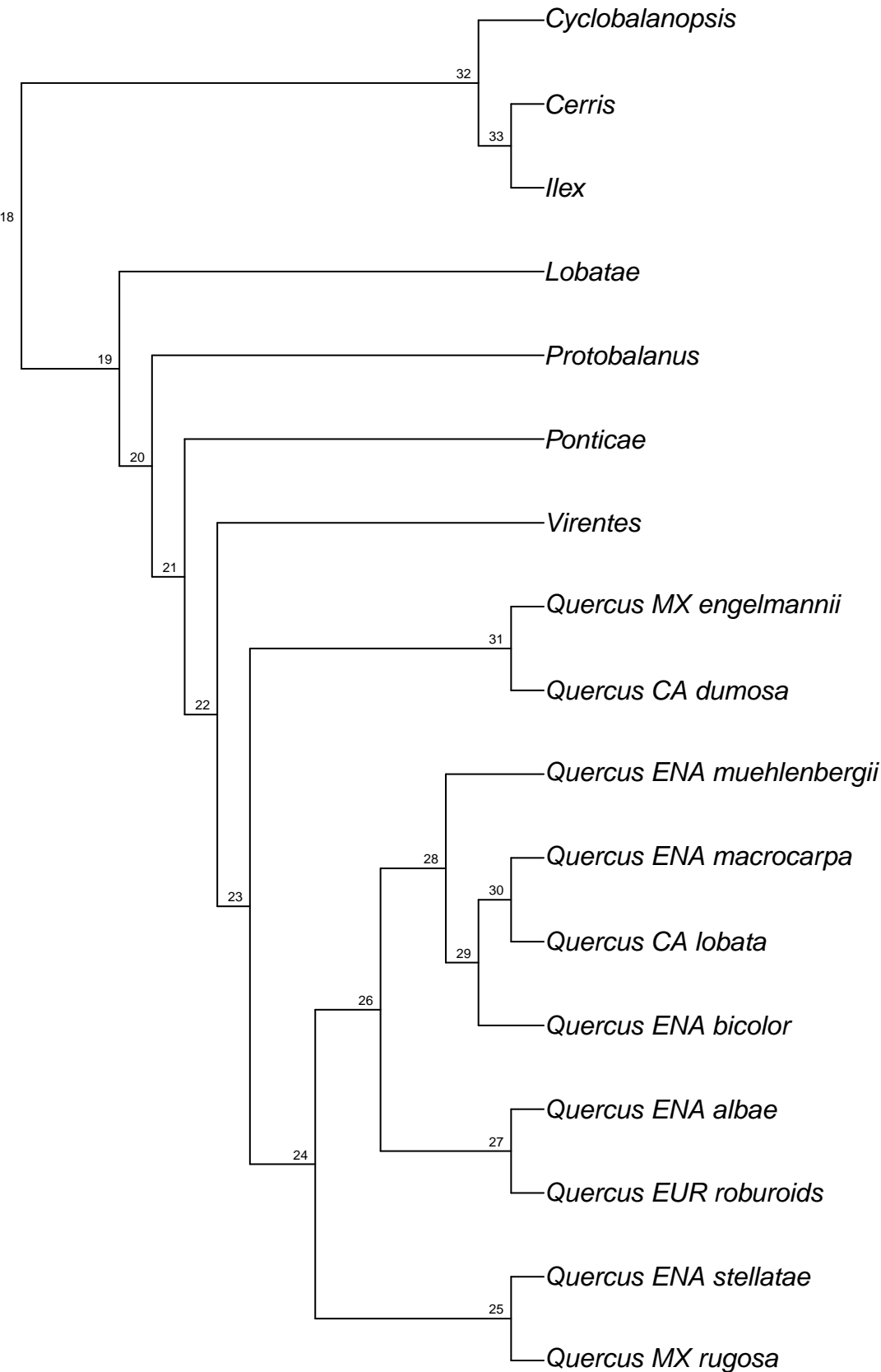
## refRAD.ref\_virginiana\_raxml.bt023



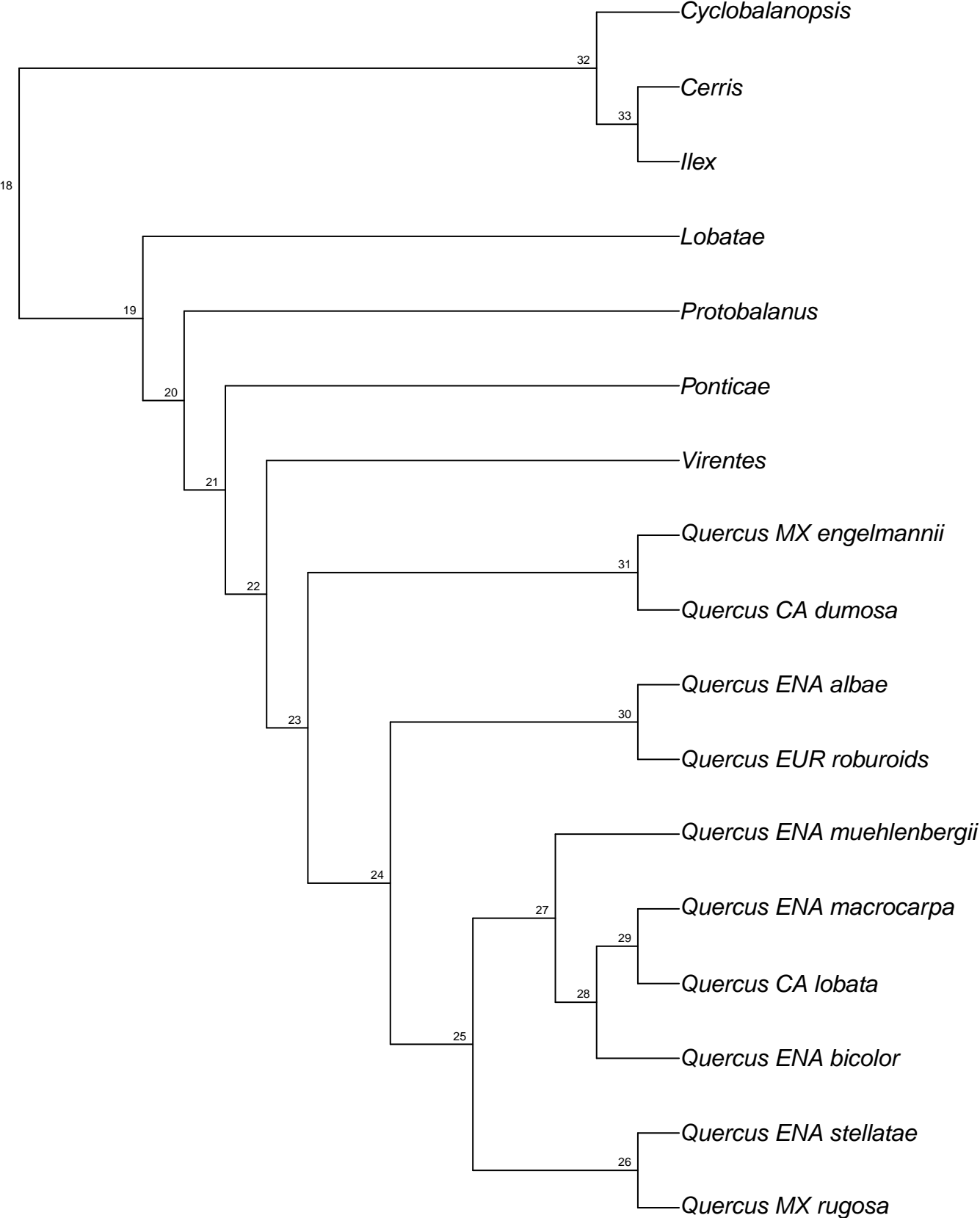
refRAD.ref\_virginiana\_raxml.bt024



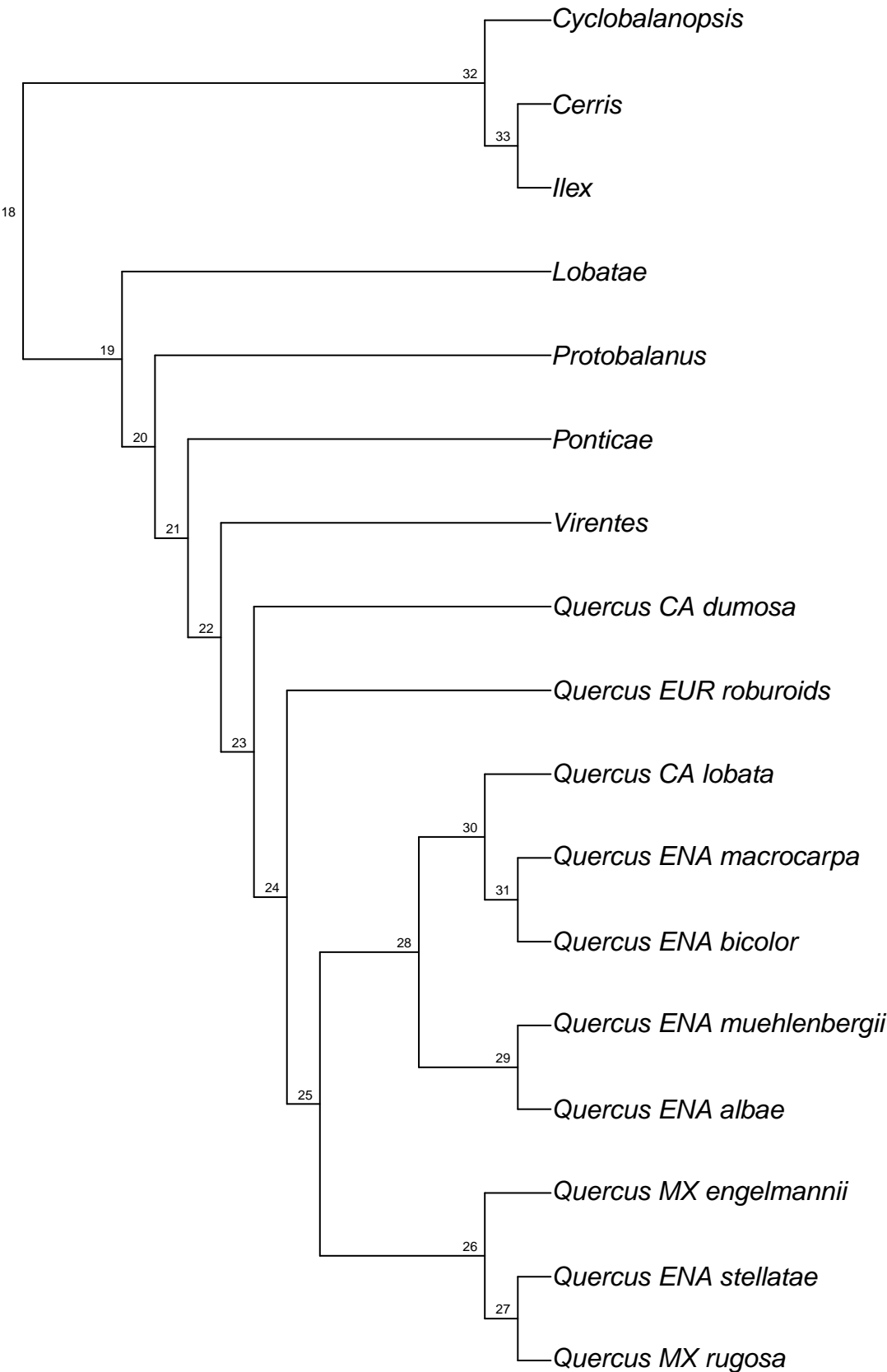
refRAD.ref\_virginiana\_raxml.bt025



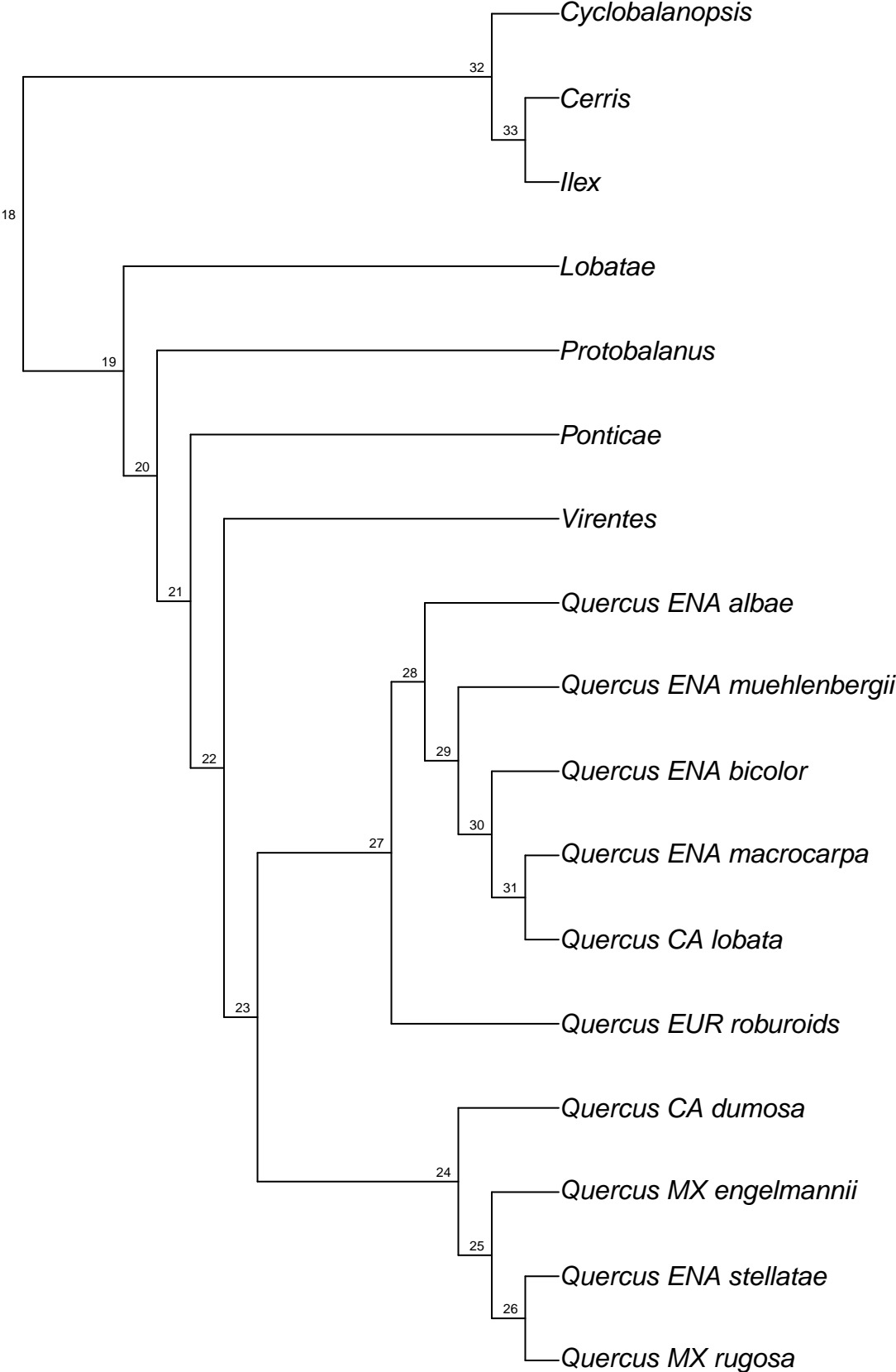
refRAD.ref\_virginiana\_raxml.bt026



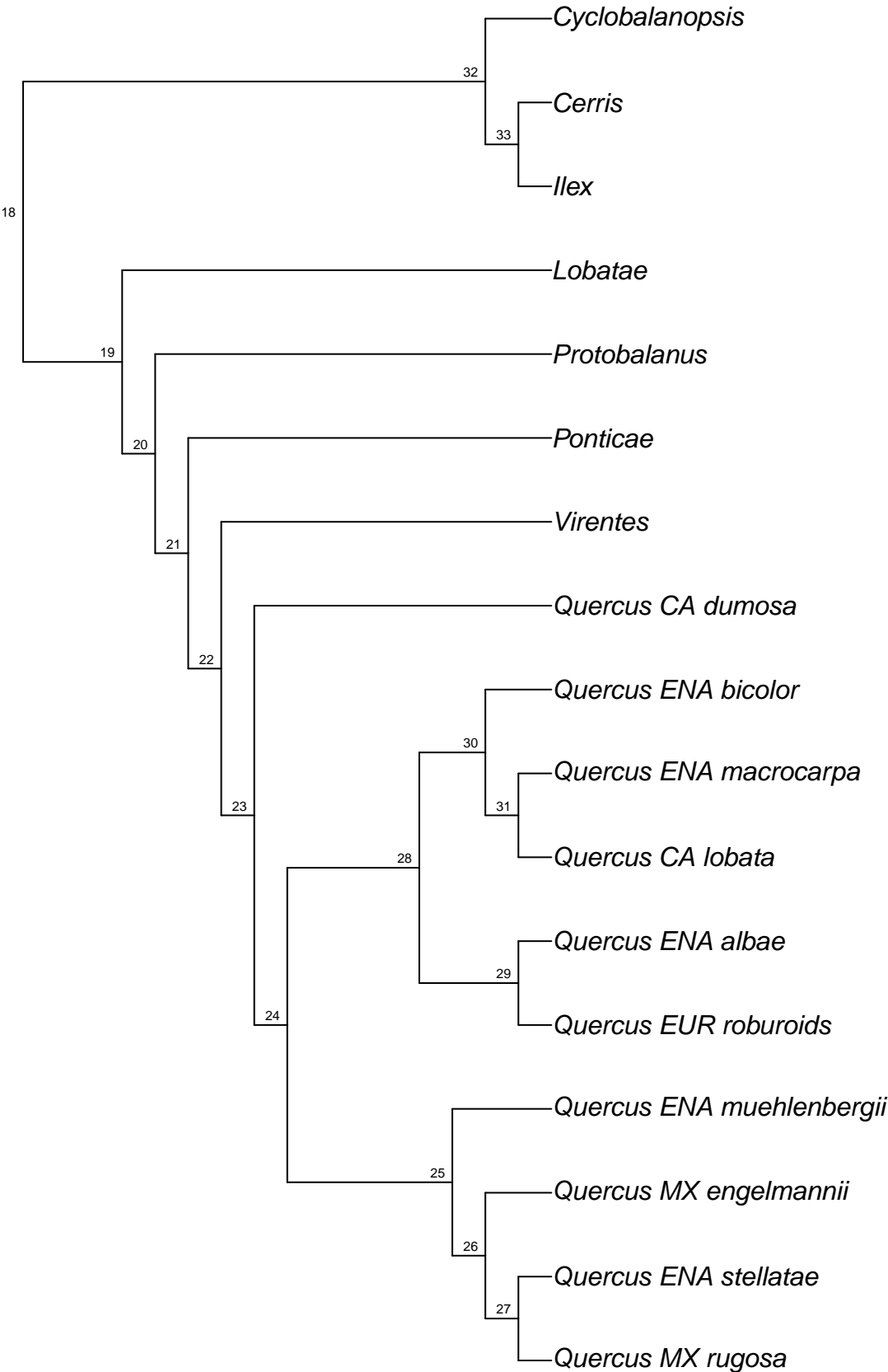
refRAD.ref\_virginiana\_raxml.bt027



refRAD.ref\_virginiana\_raxml.bt028

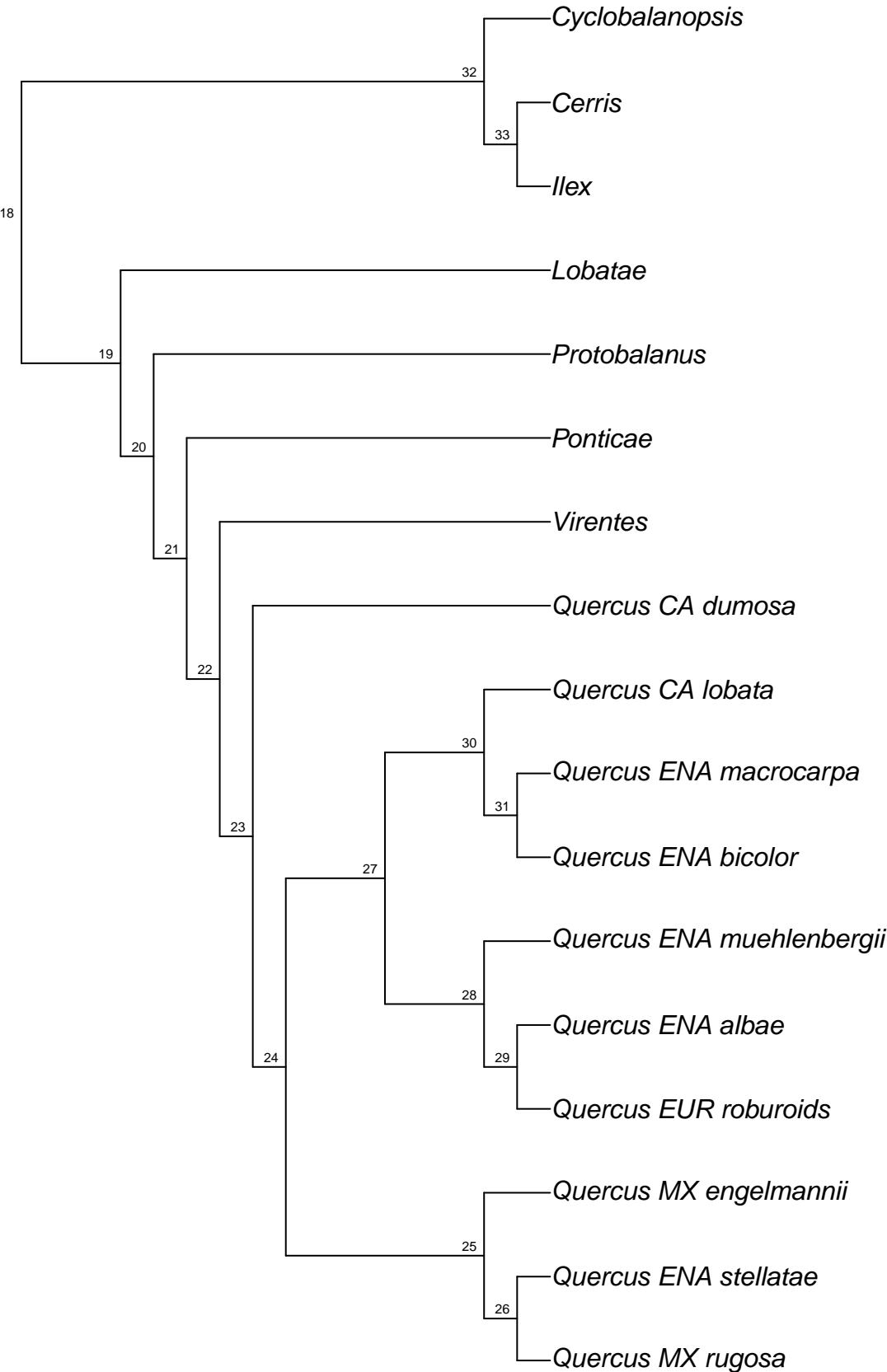


refRAD.ref\_virginiana\_raxml.bt029

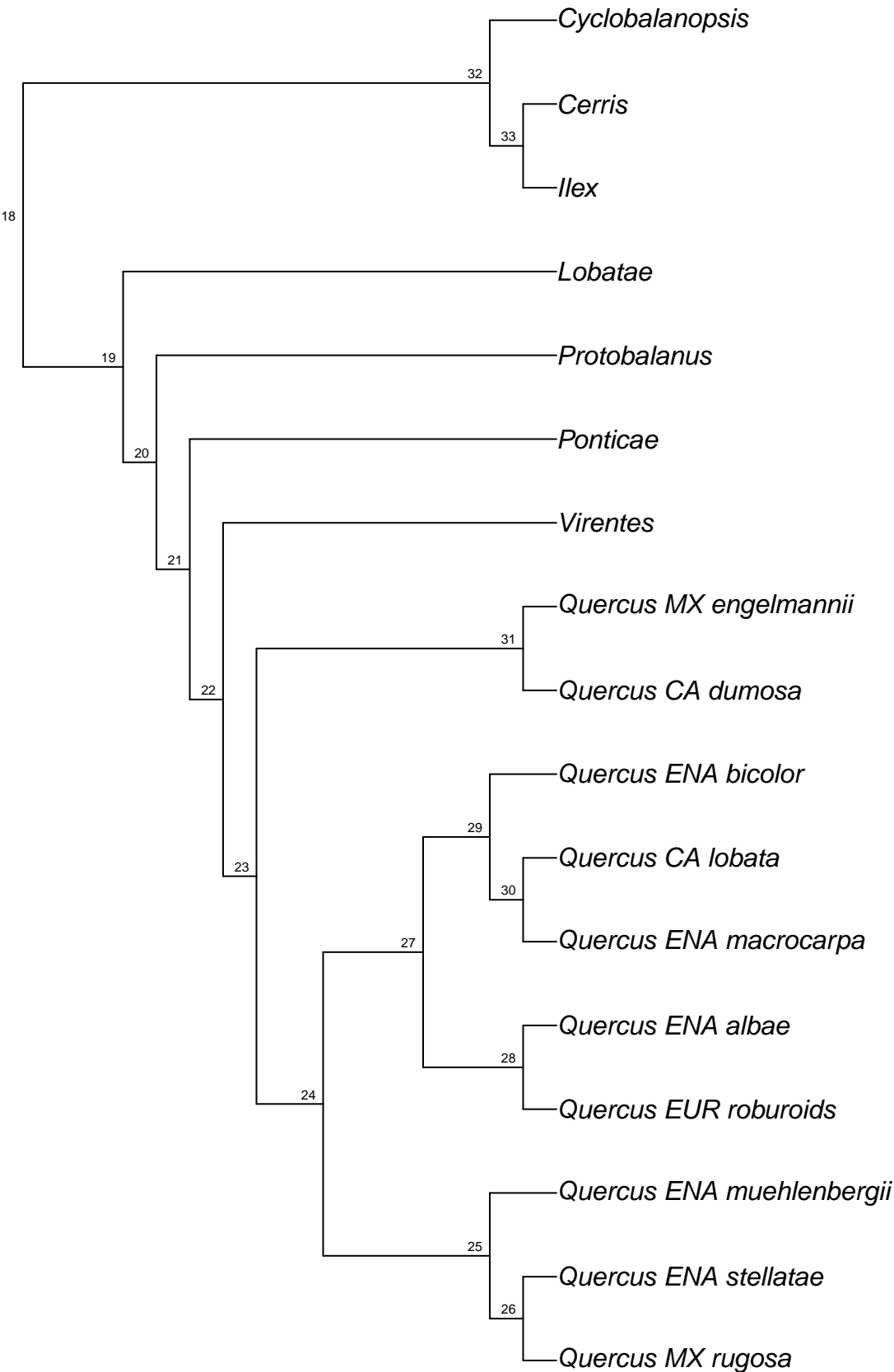




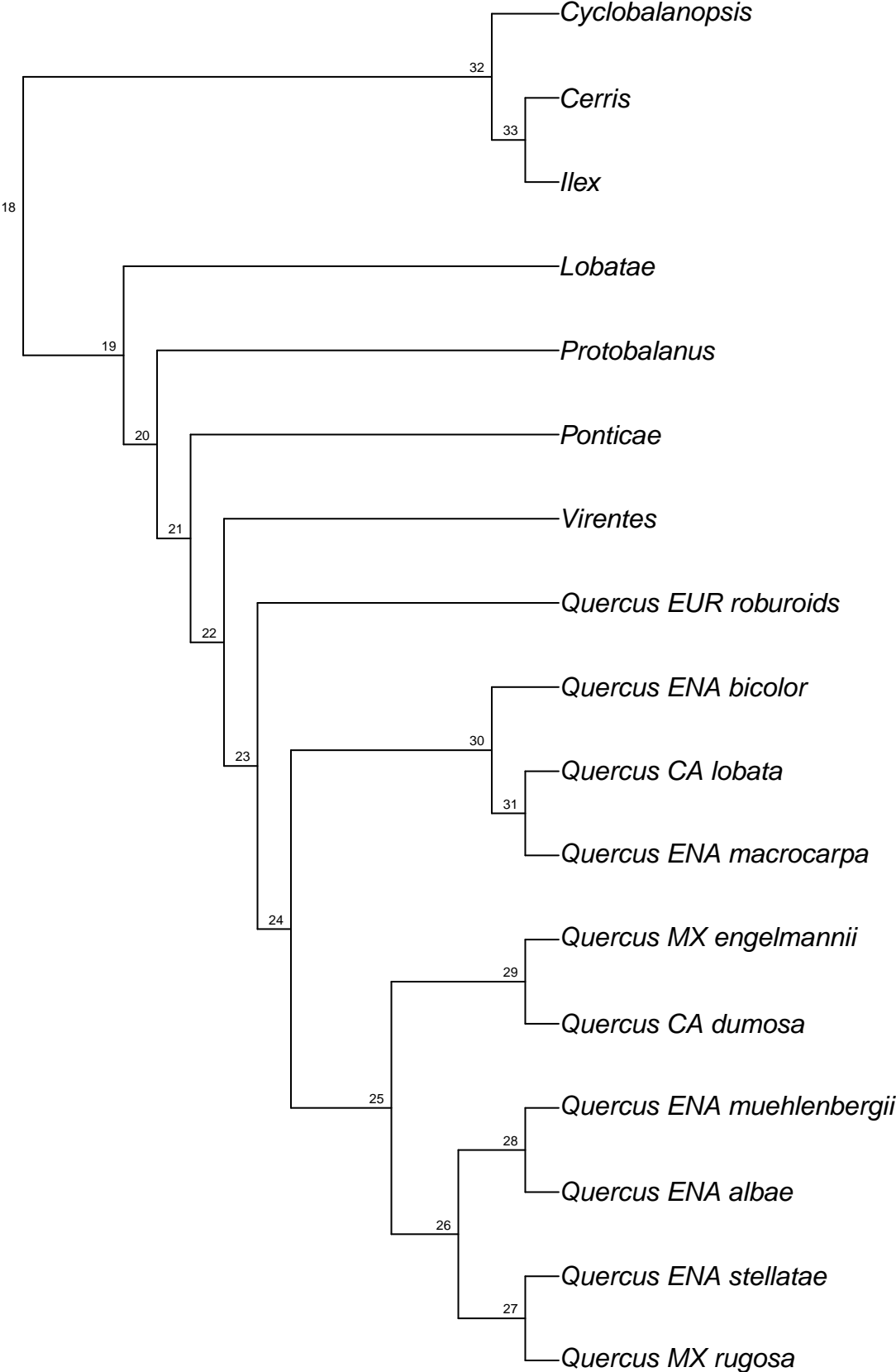
refRAD.ref\_virginiana\_raxml.bt030



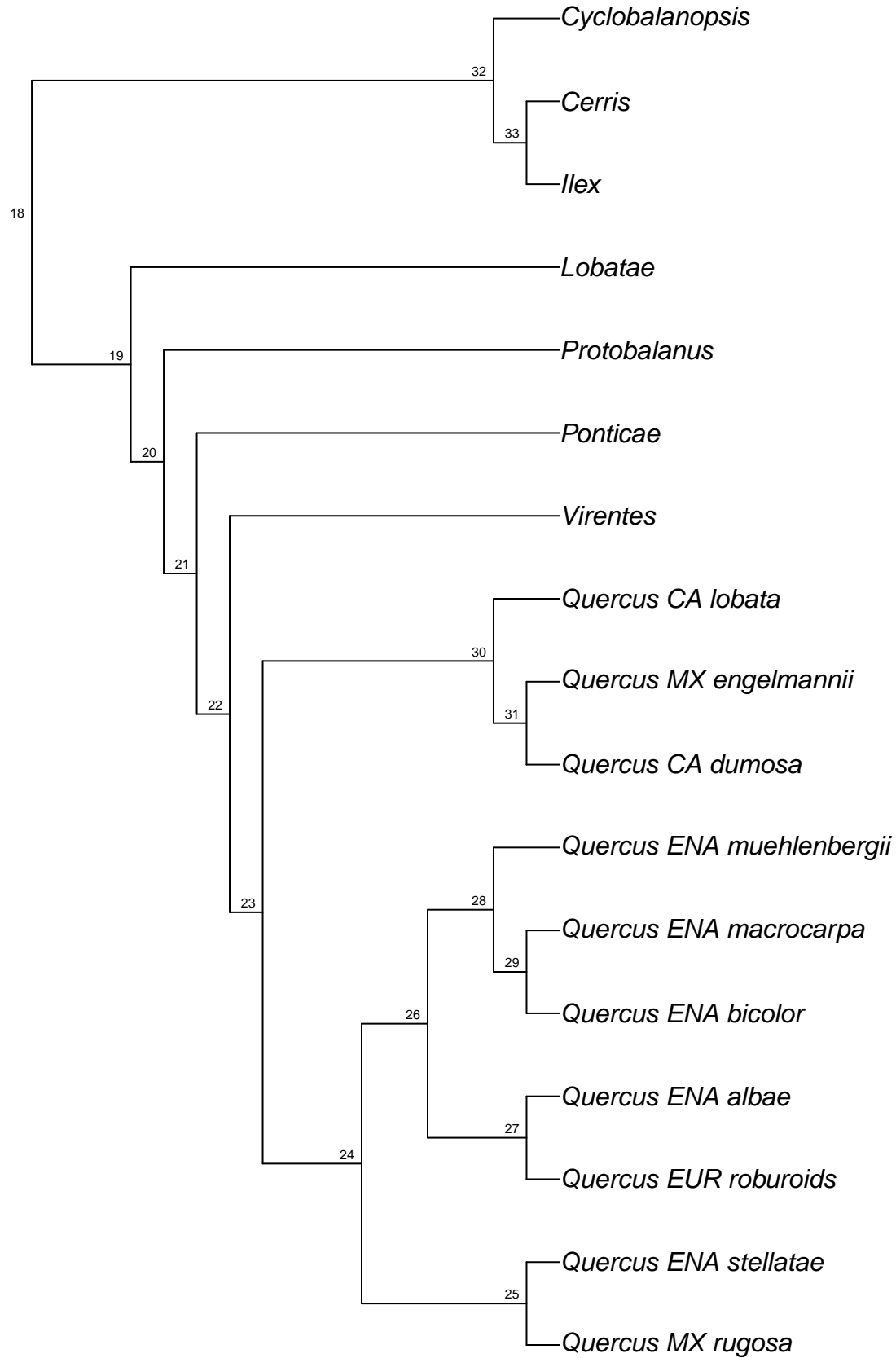
refRAD.ref\_virginiana\_raxml.bt031



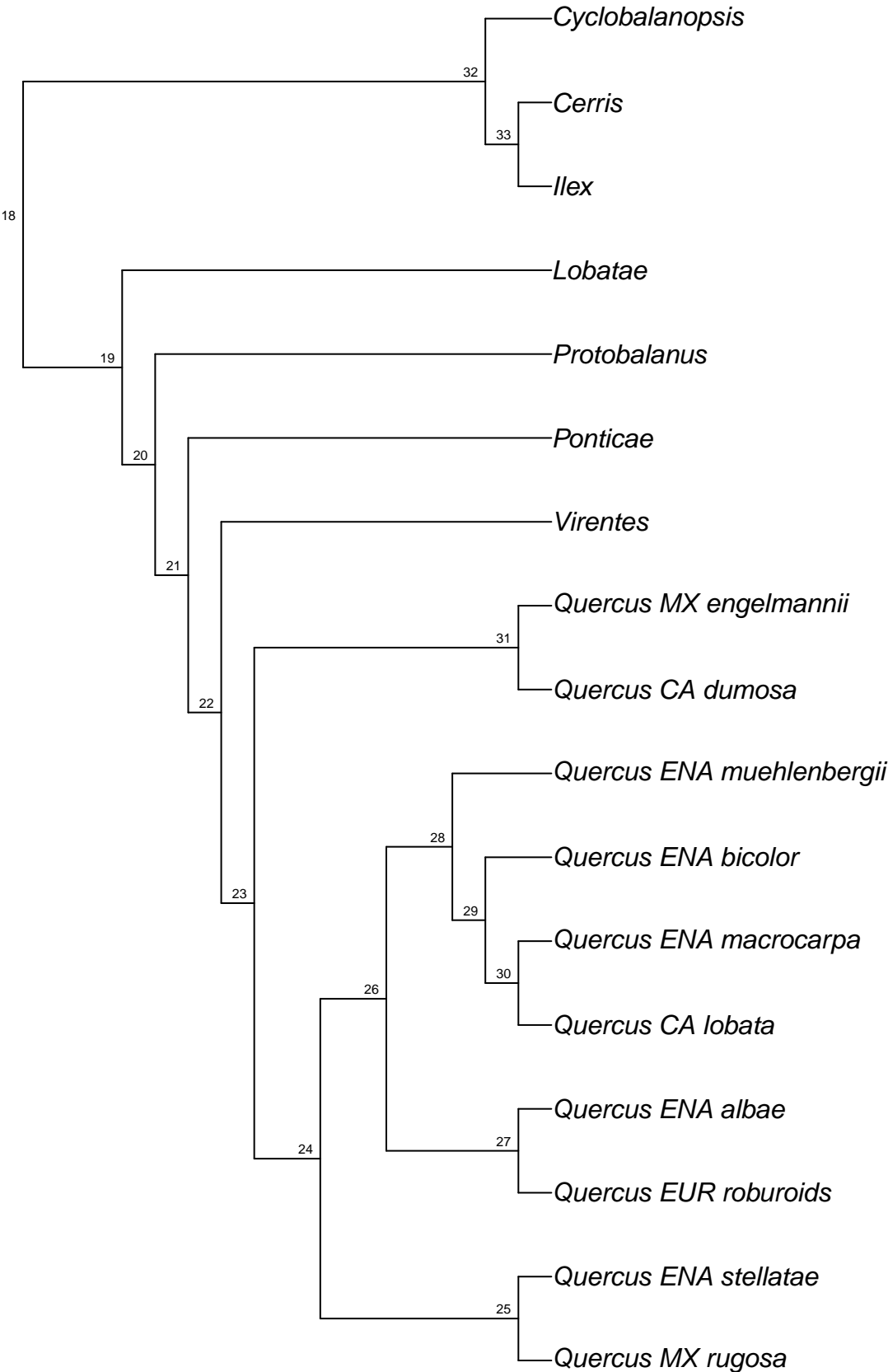
refRAD.ref\_virginiana\_raxml.bt032



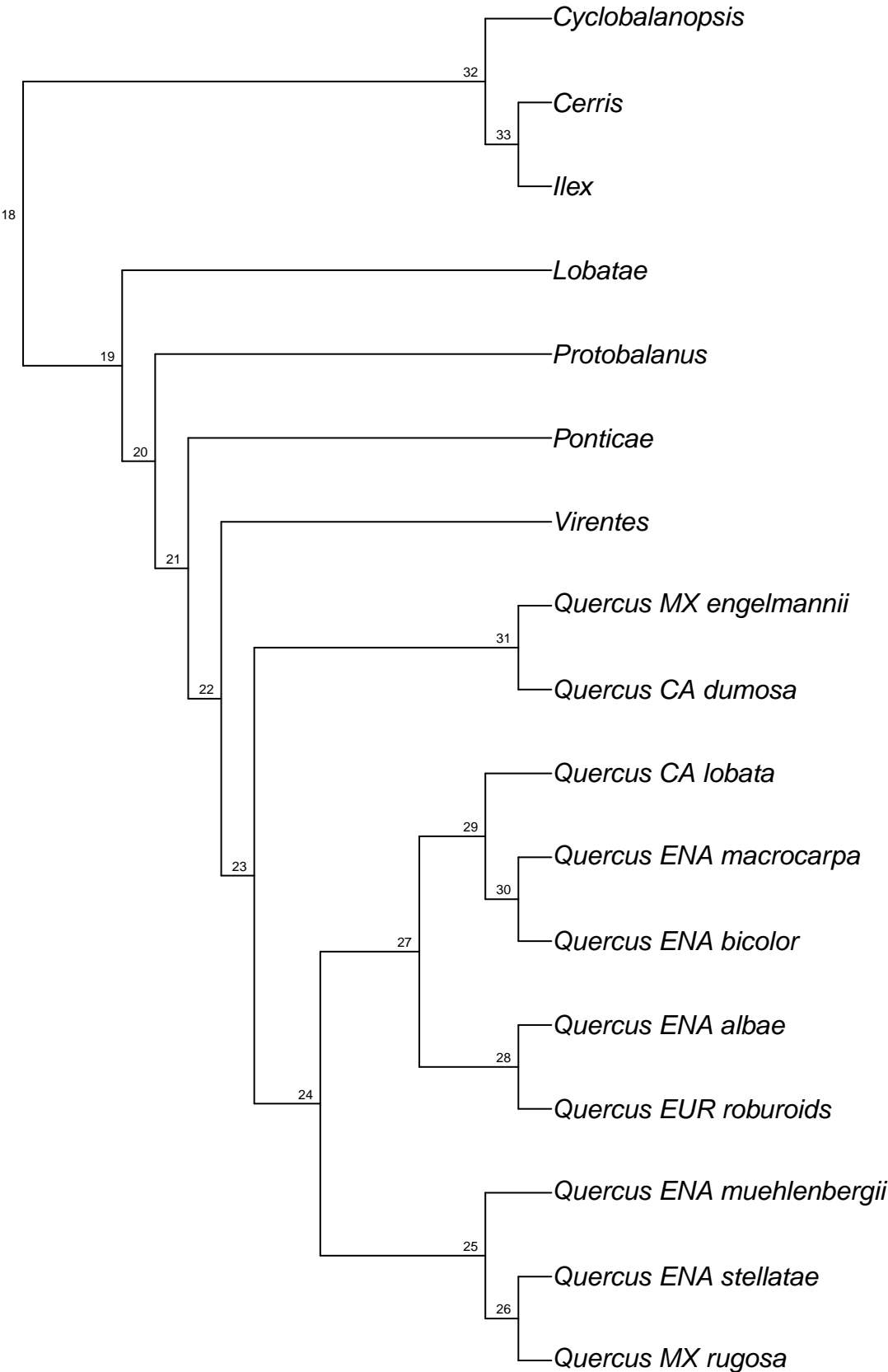
## refRAD.ref\_virginiana\_raxml.bt033



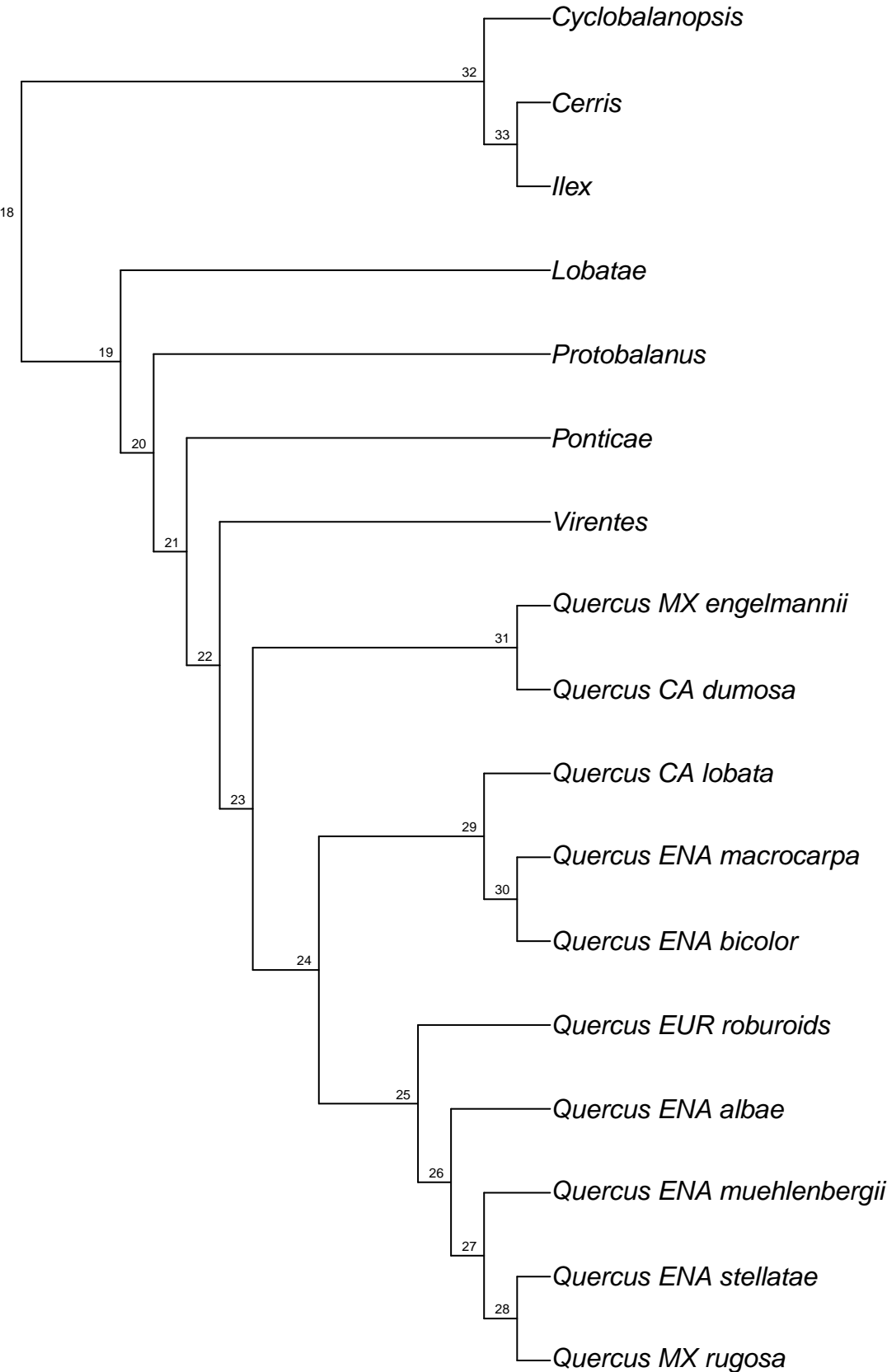
refRAD.ref\_virginiana\_raxml.bt034



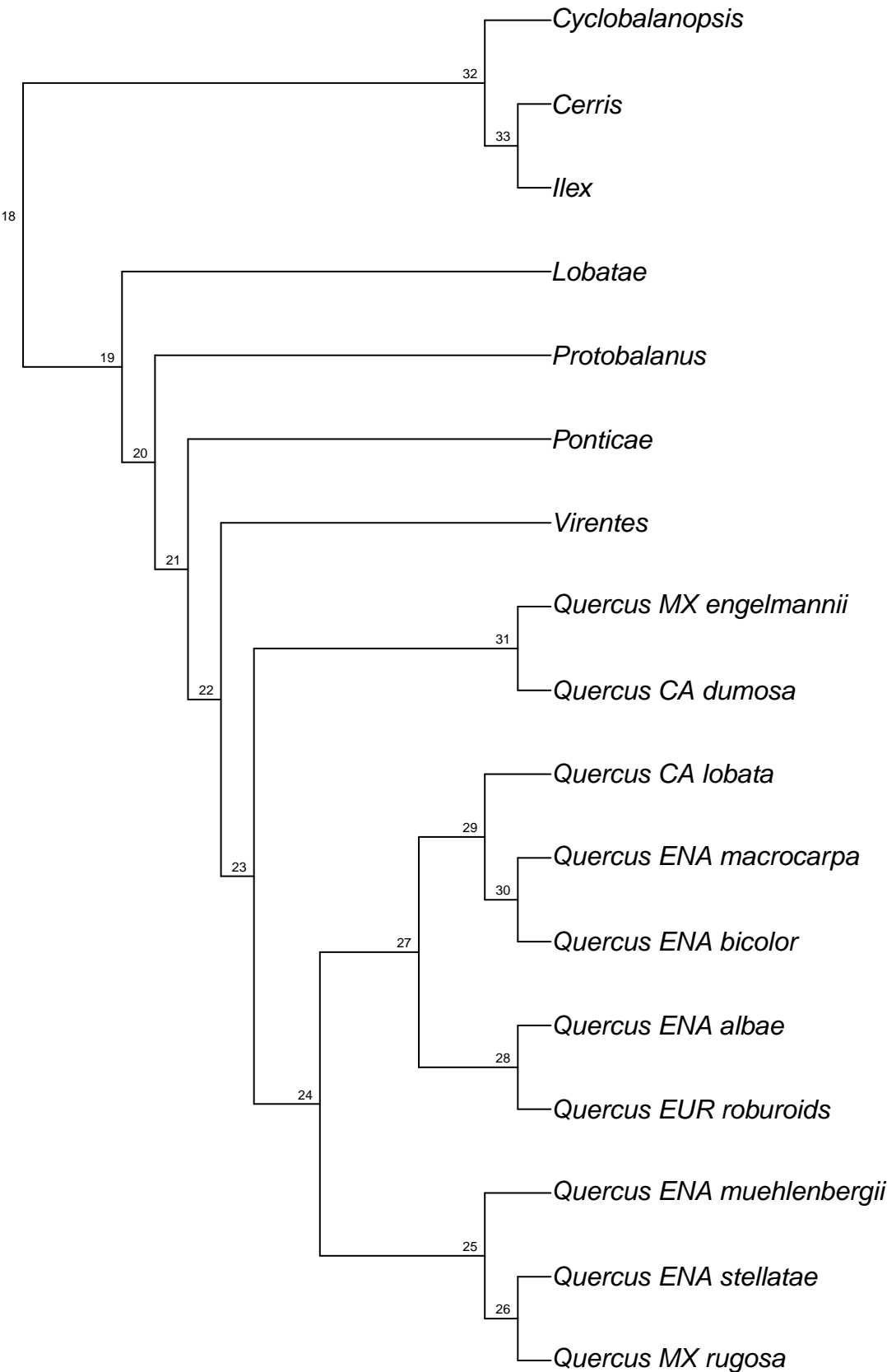
refRAD.ref\_virginiana\_raxml.bt035



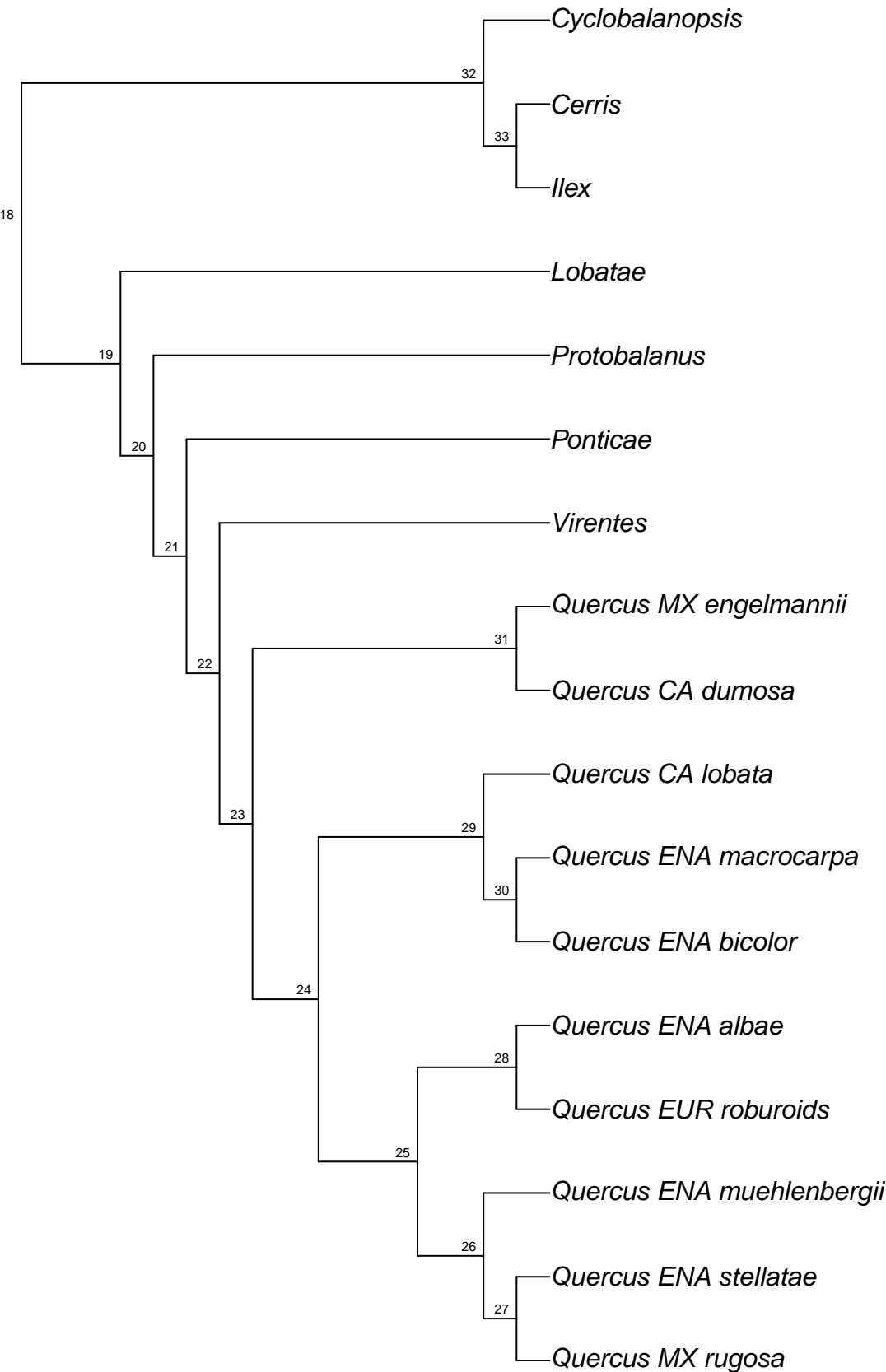
refRAD.ref\_virginiana\_raxml.bt036



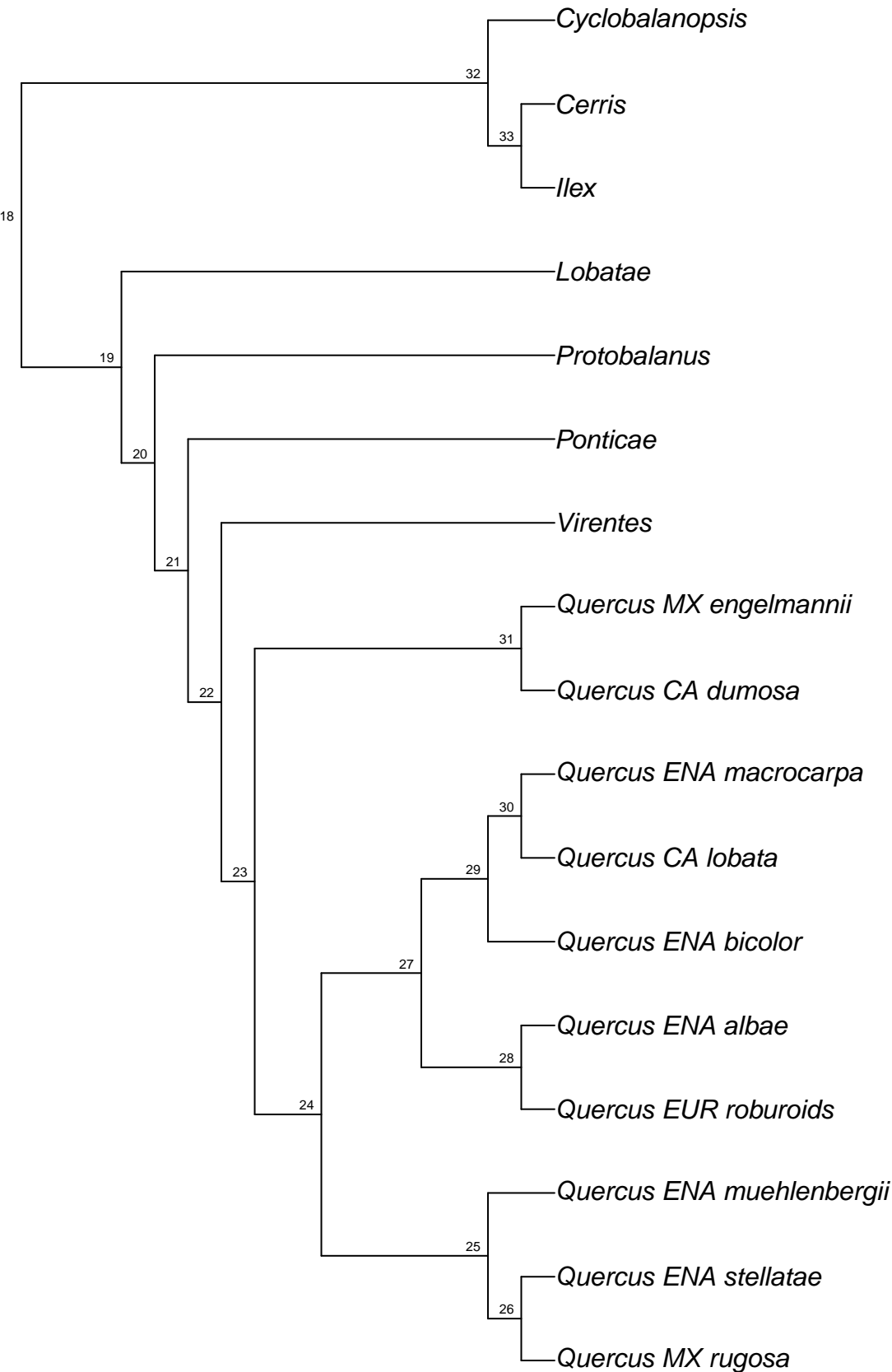
refRAD.ref\_virginiana\_raxml.bt037



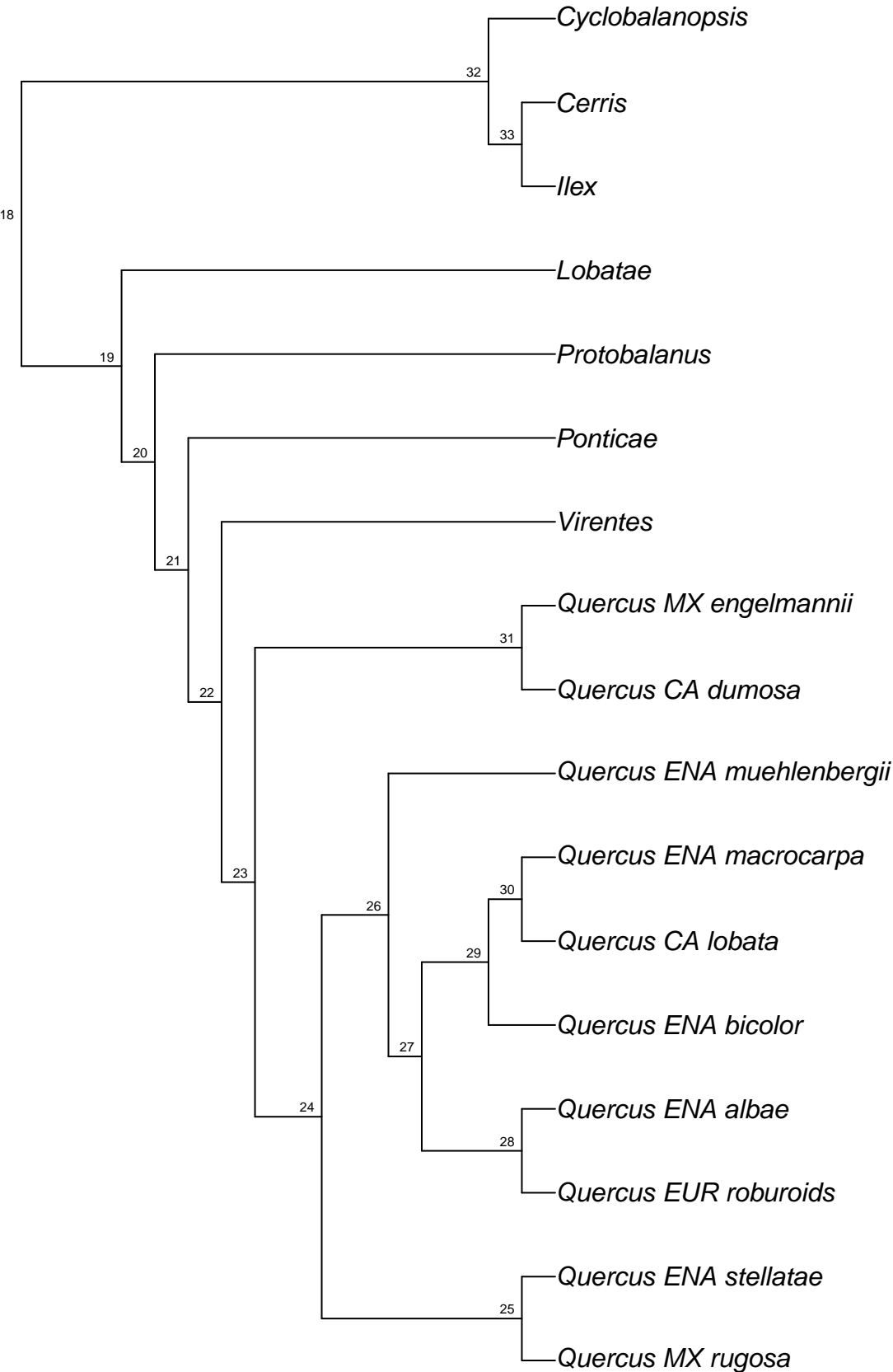




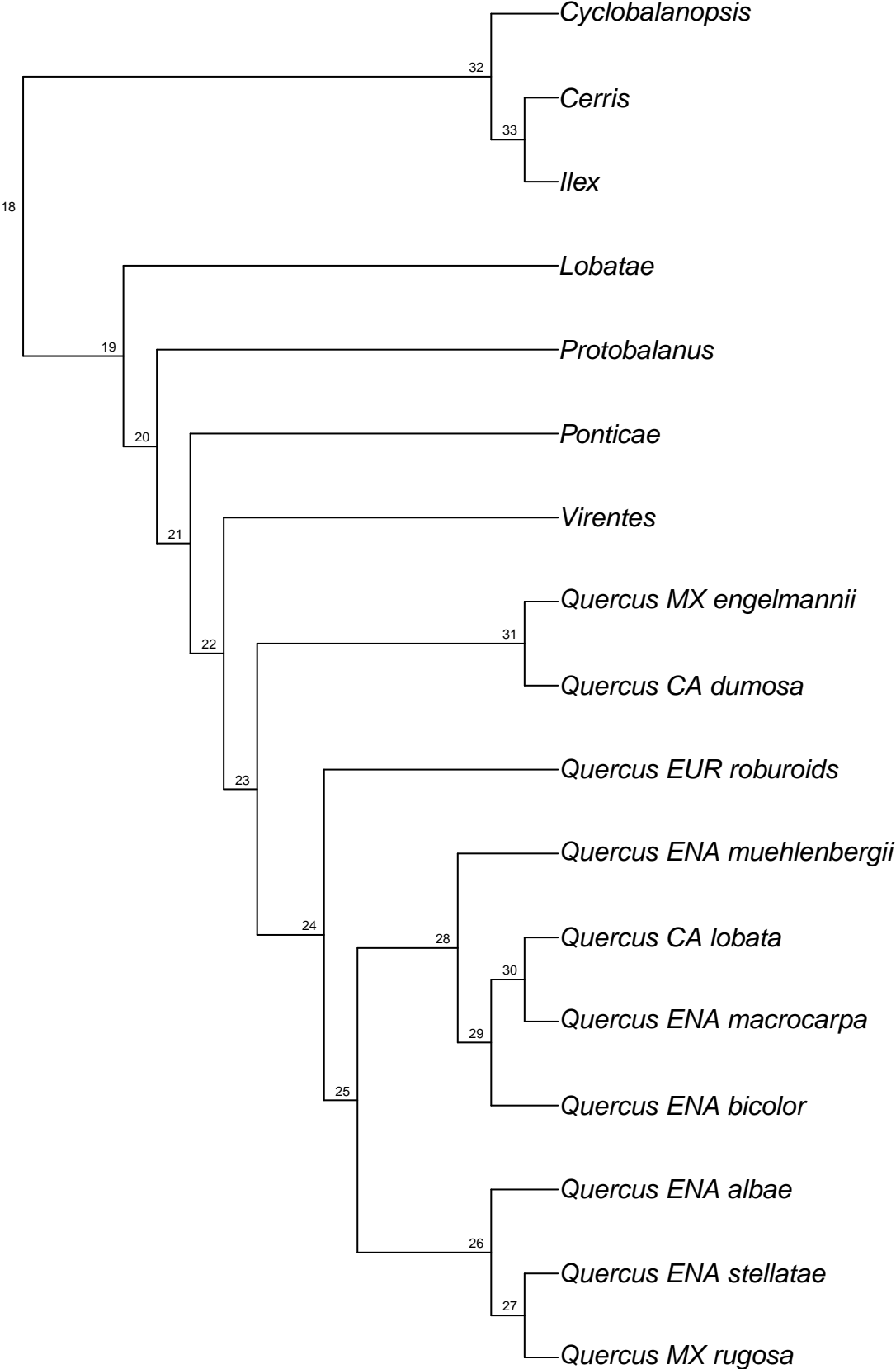
refRAD.ref\_virginiana\_raxml.bt039



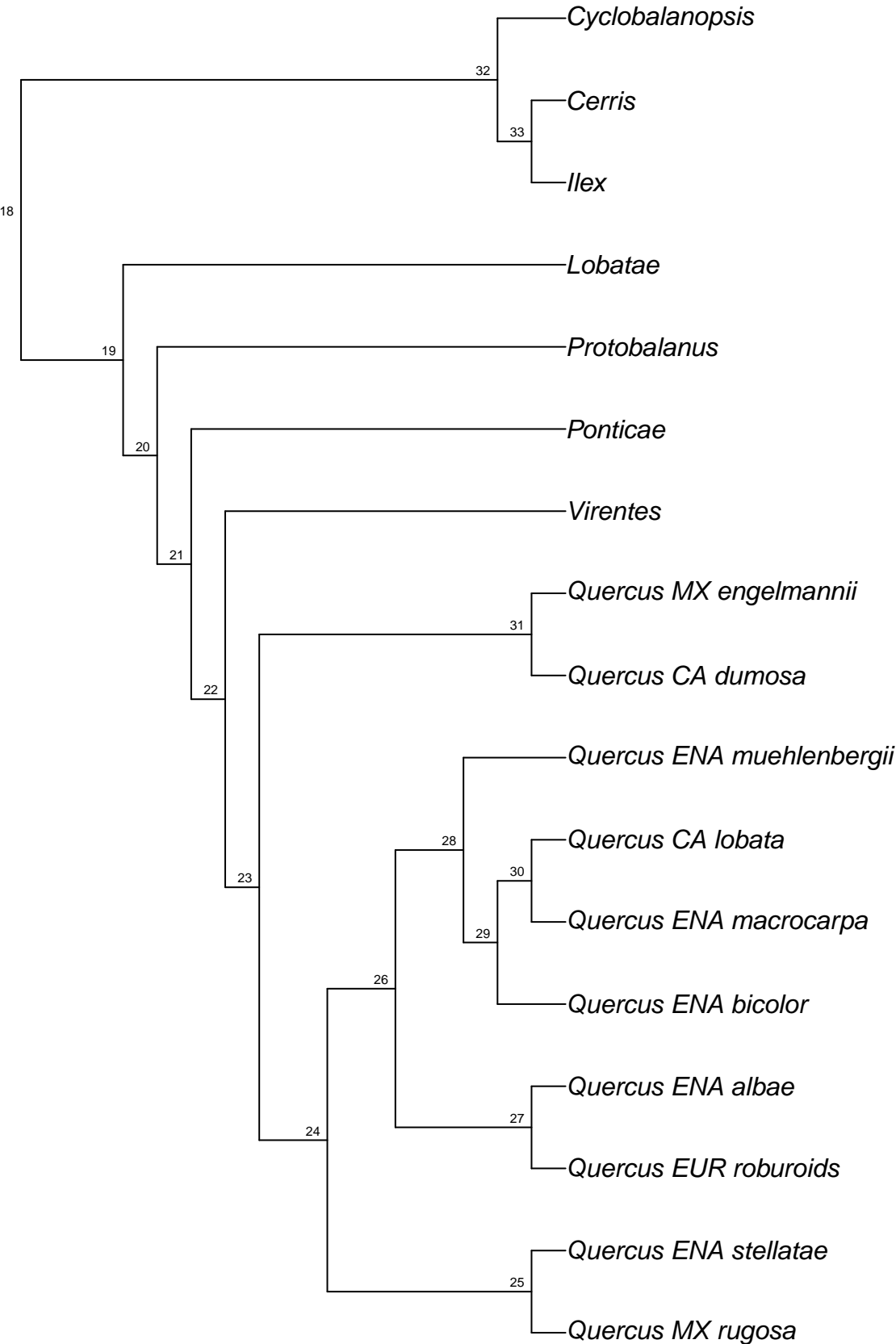
refRAD.ref\_virginiana\_raxml.bt040



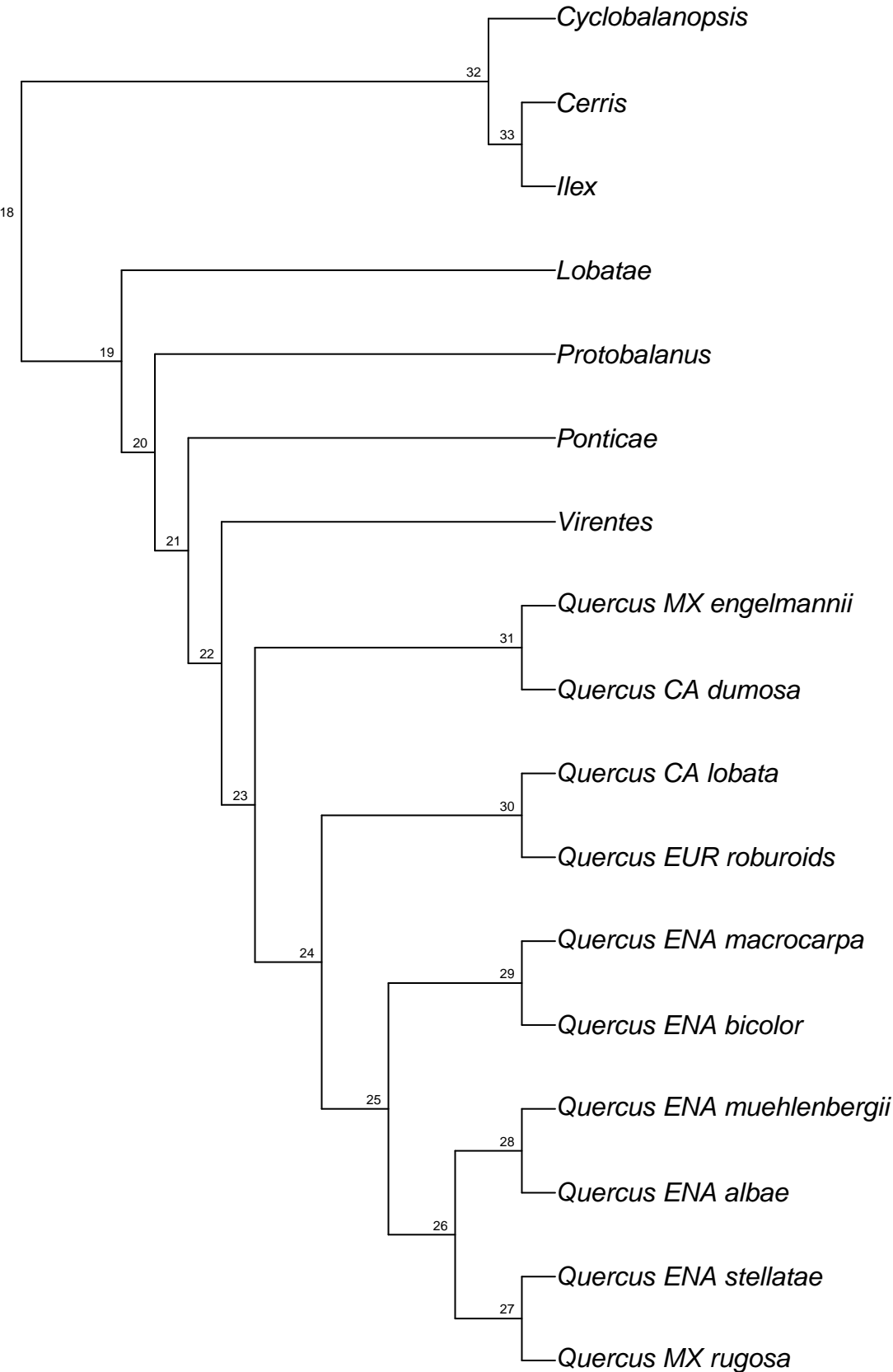
refRAD.ref\_virginiana\_raxml.bt041



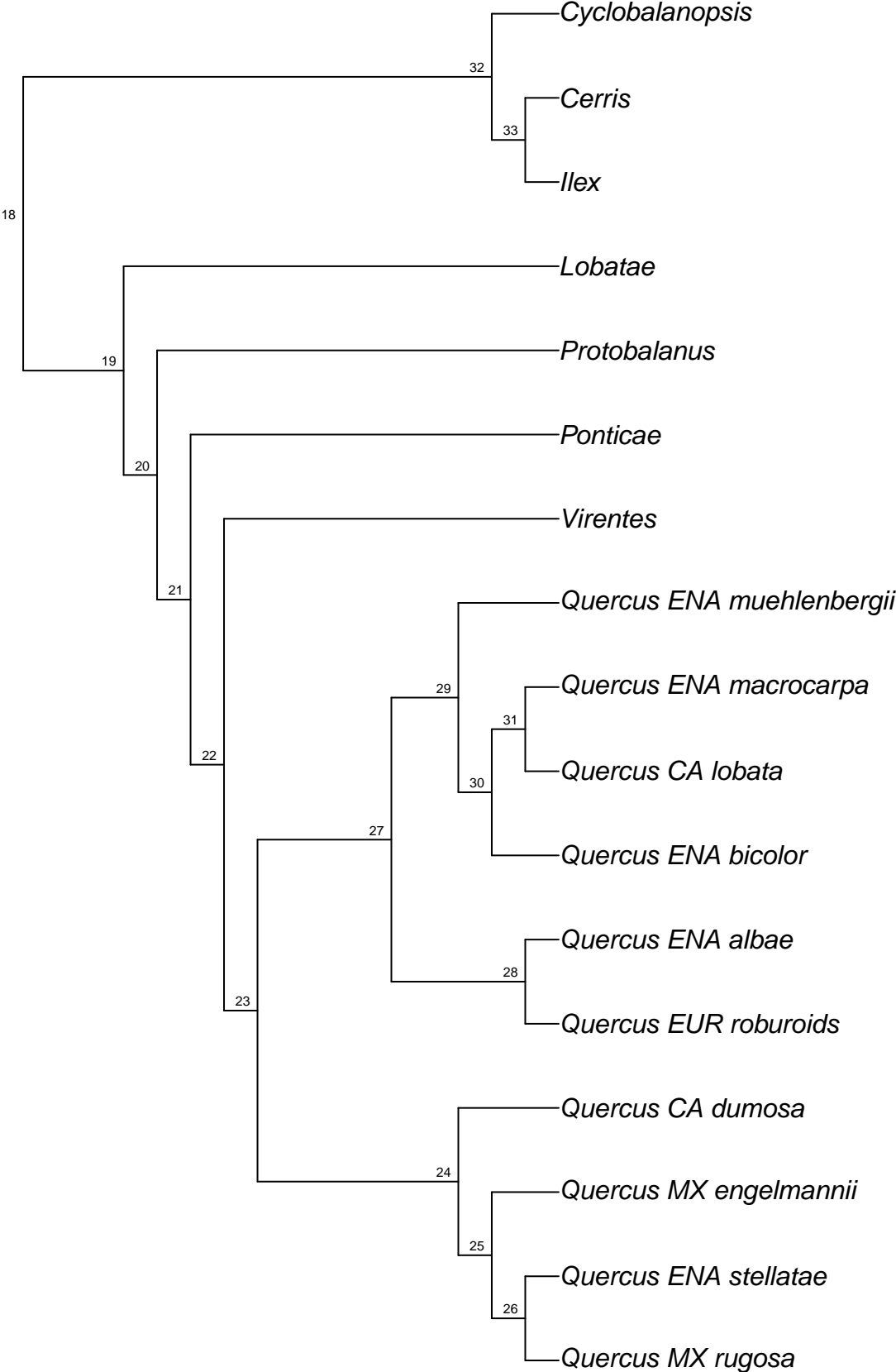
refRAD.ref\_virginiana\_raxml.bt042



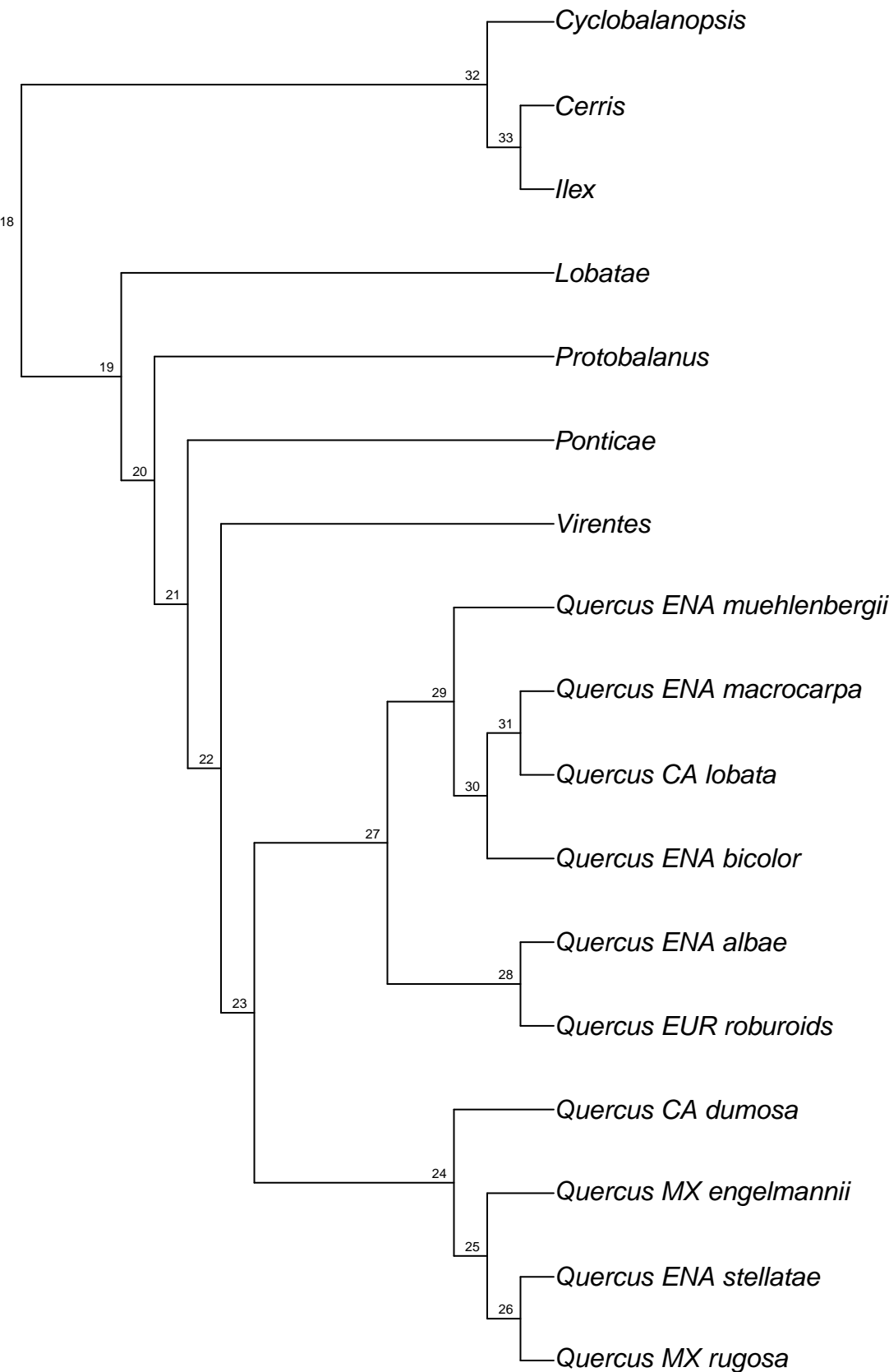
refRAD.ref\_virginiana\_raxml.bt043



refRAD.ref\_virginiana\_raxml.bt044

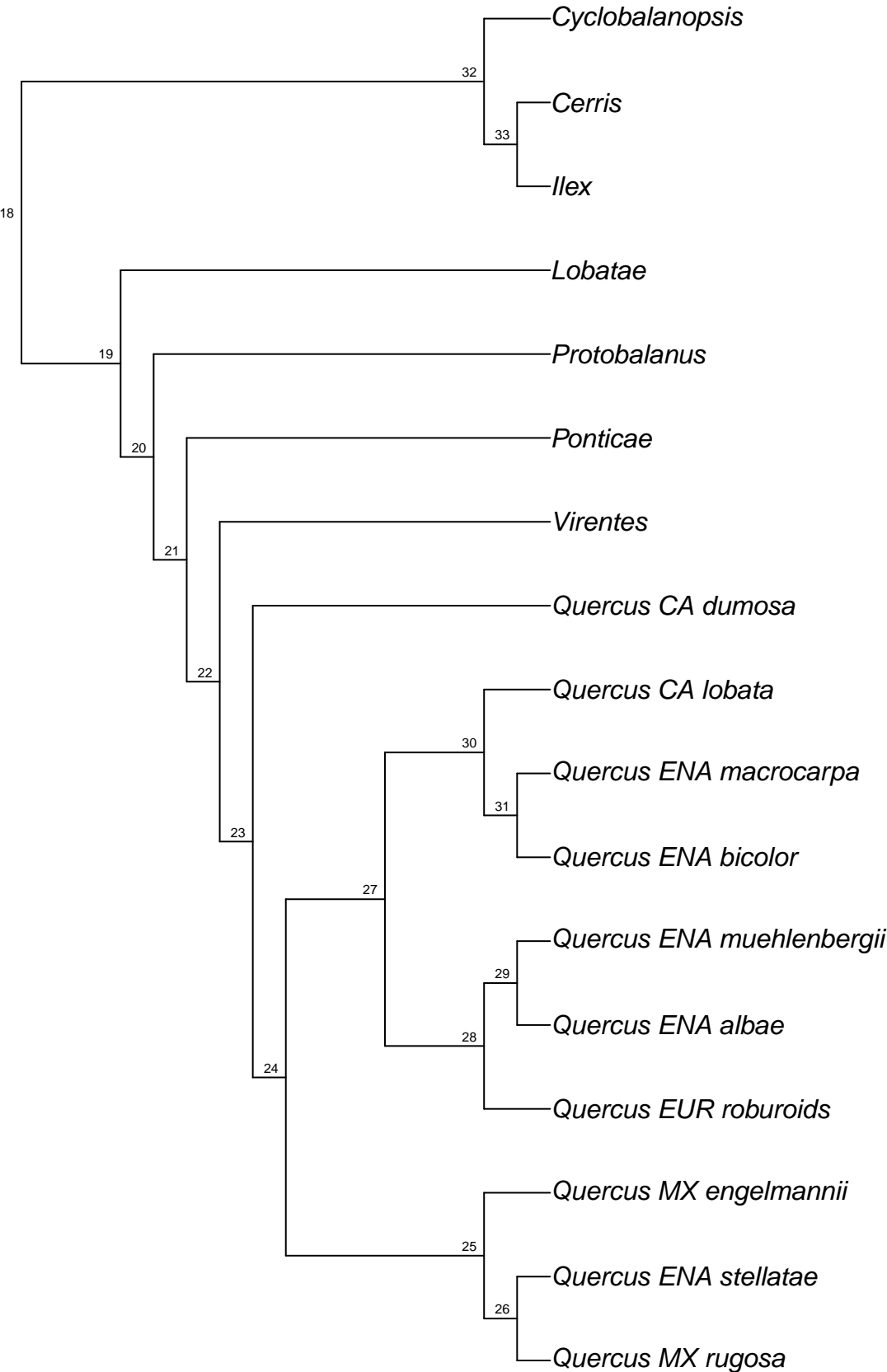


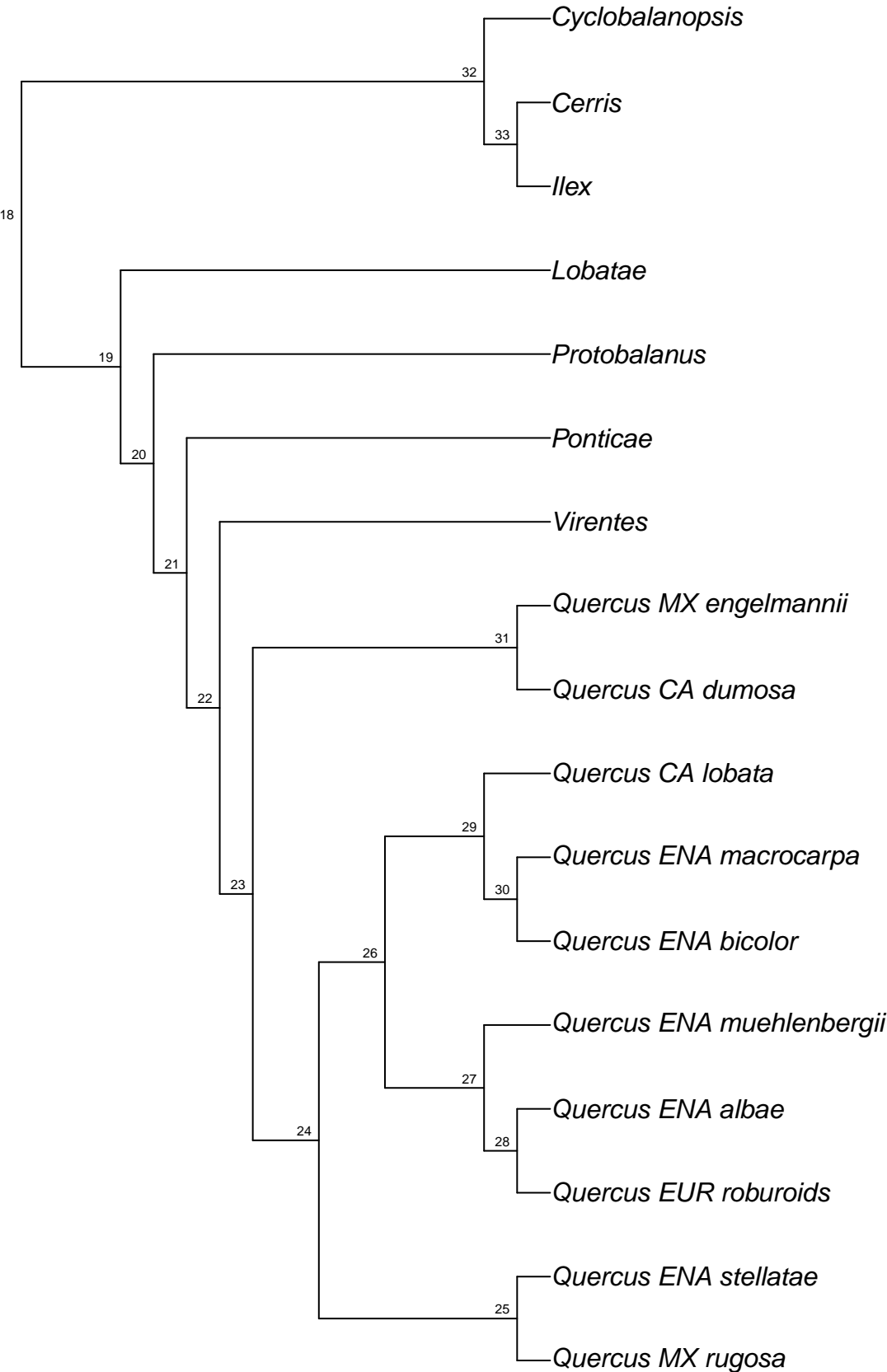
refRAD.ref\_virginiana\_raxml.bt045



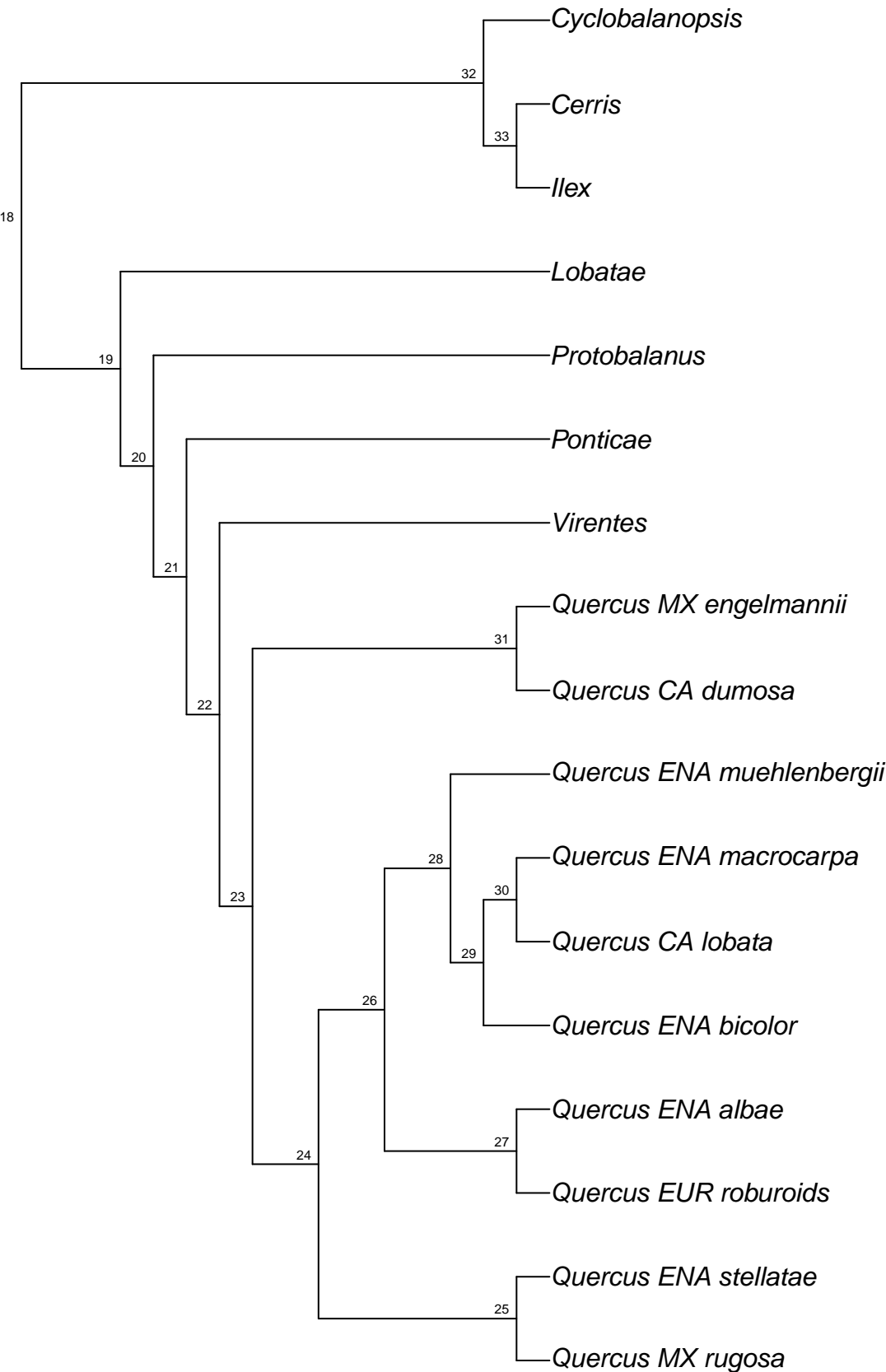


refRAD.ref\_virginiana\_raxml.bt046

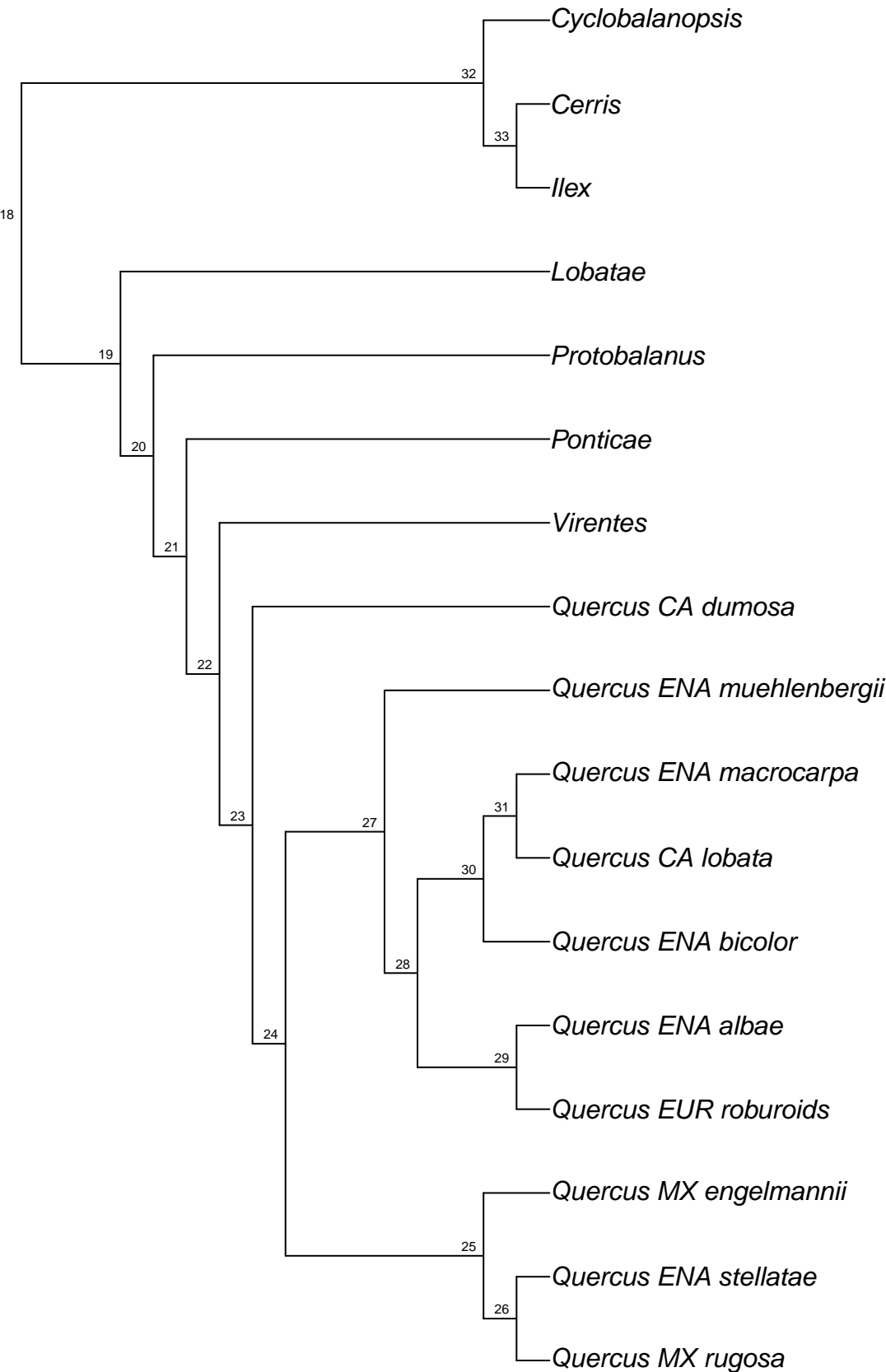




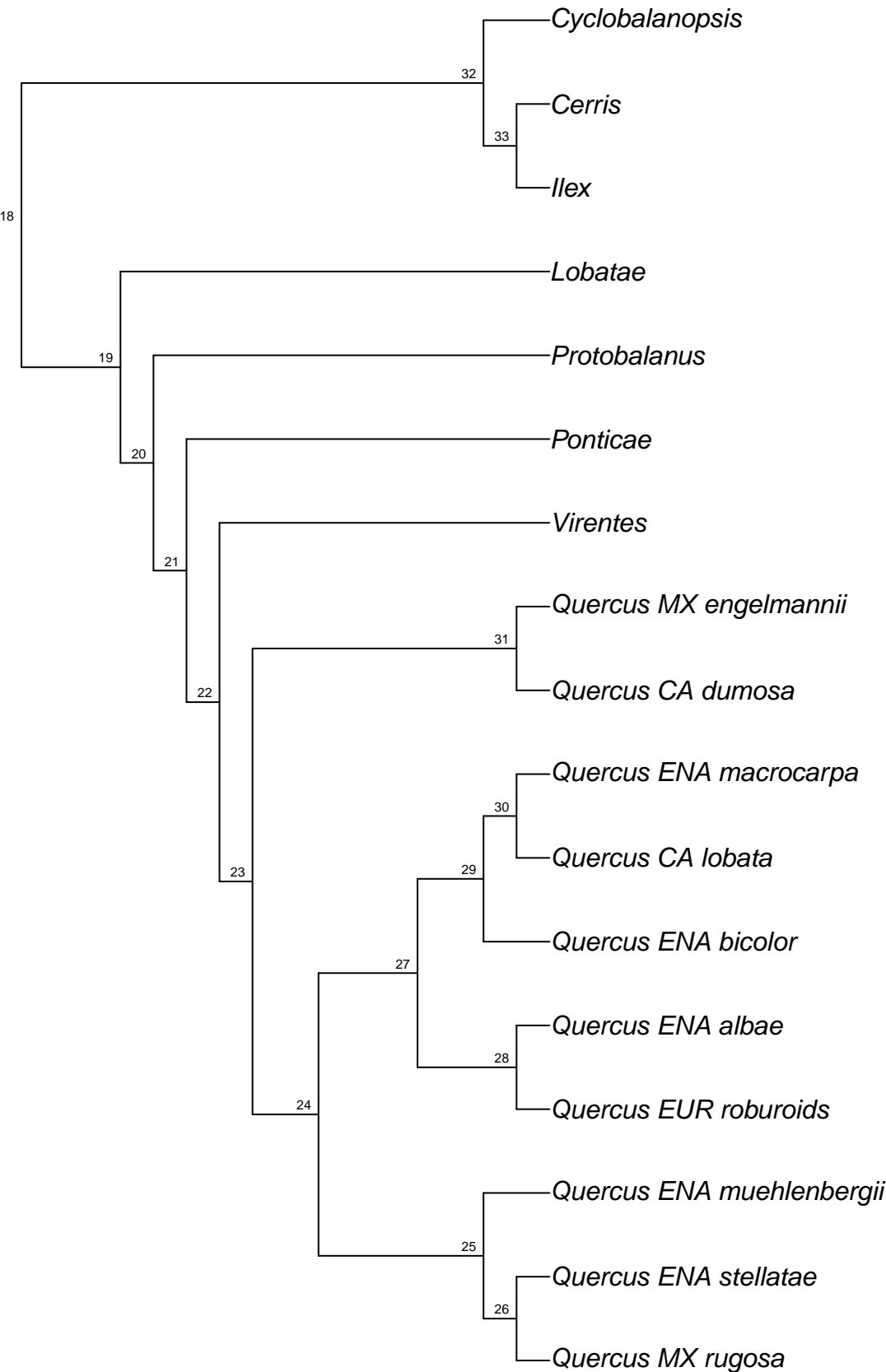
refRAD.ref\_virginiana\_raxml.bt048



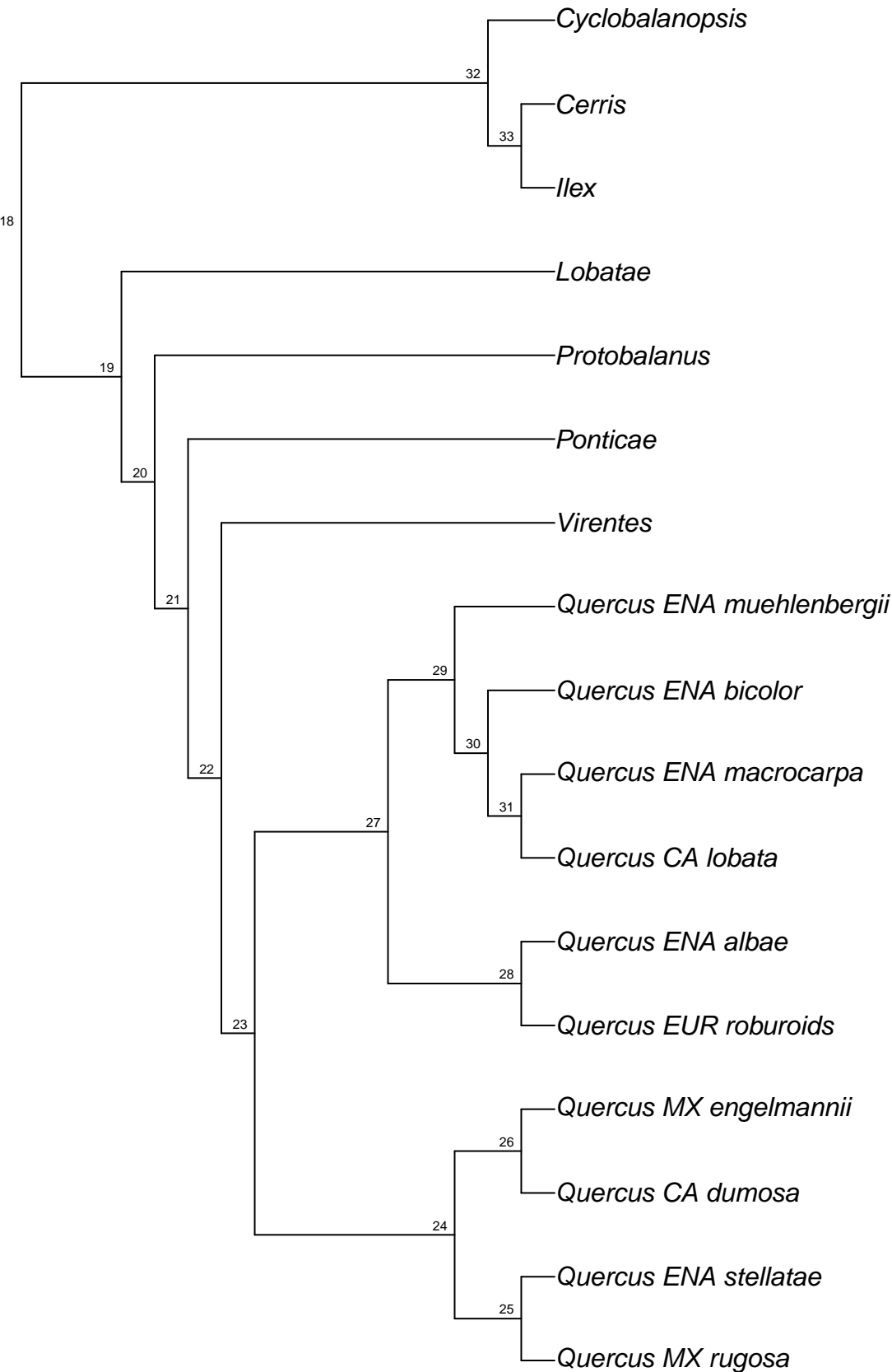
refRAD.ref\_virginiana\_raxml.bt049

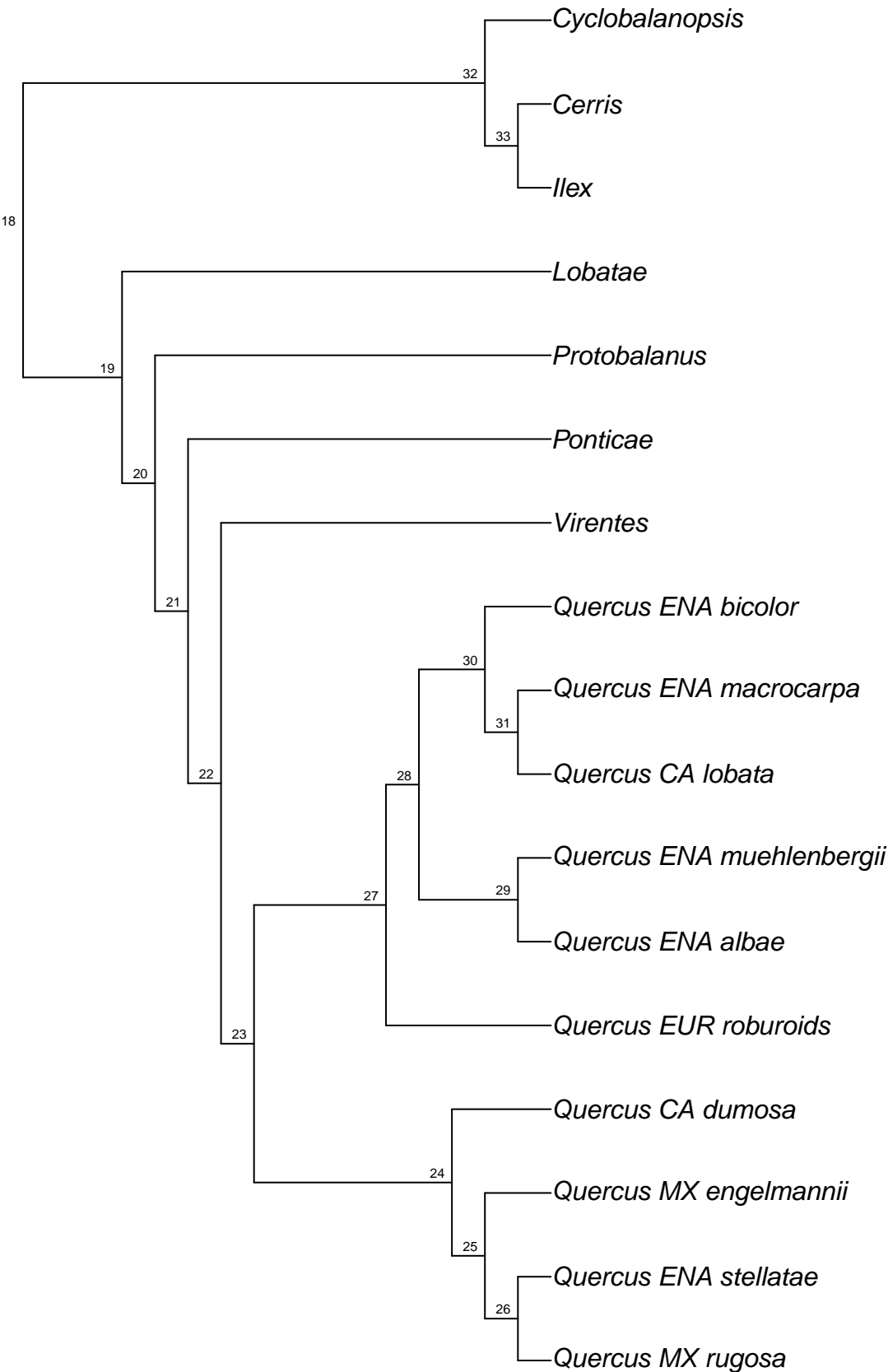


refRAD.ref\_virginiana\_raxml.bt050

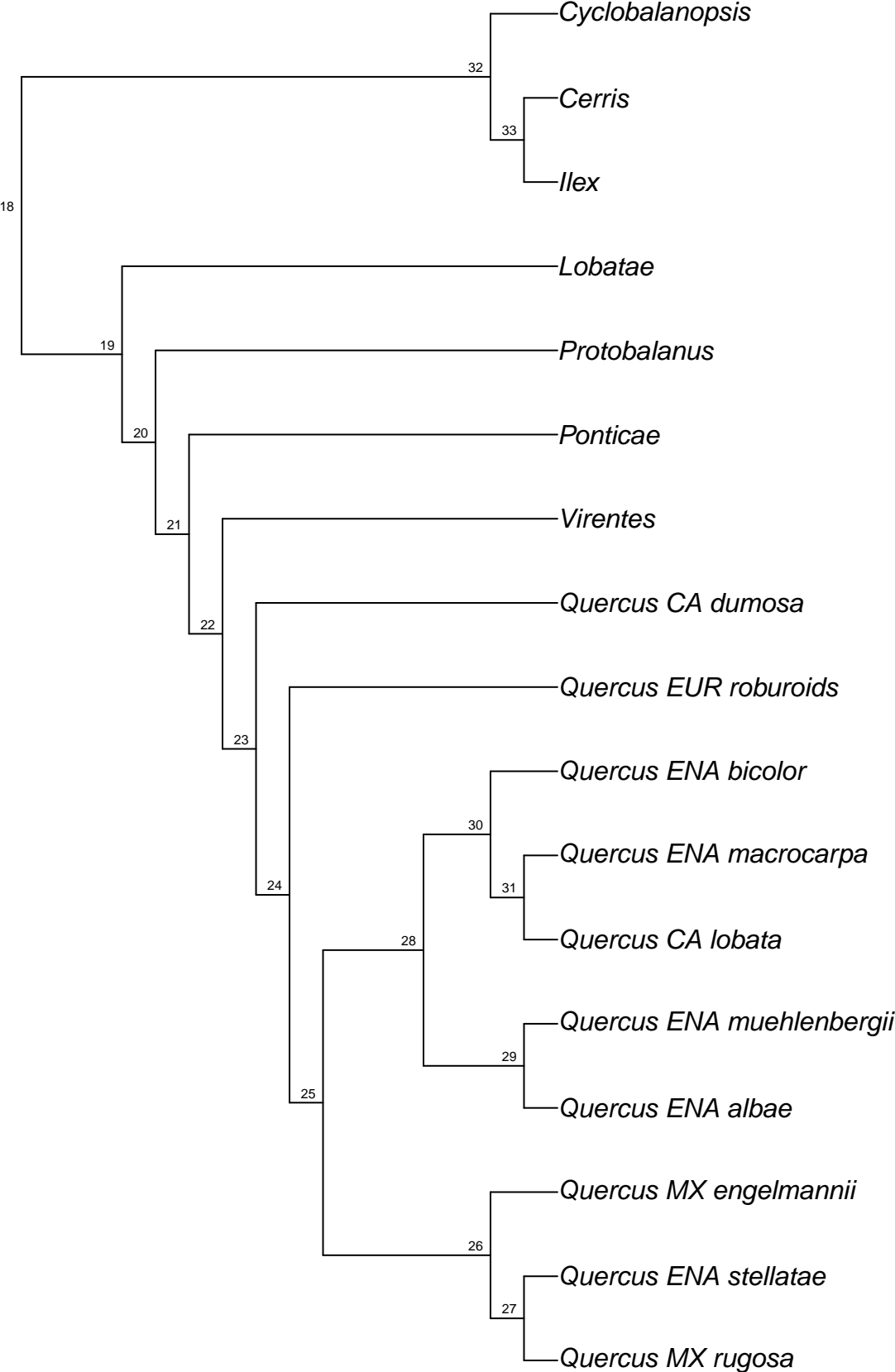


refRAD.ref\_virginiana\_raxml.bt051

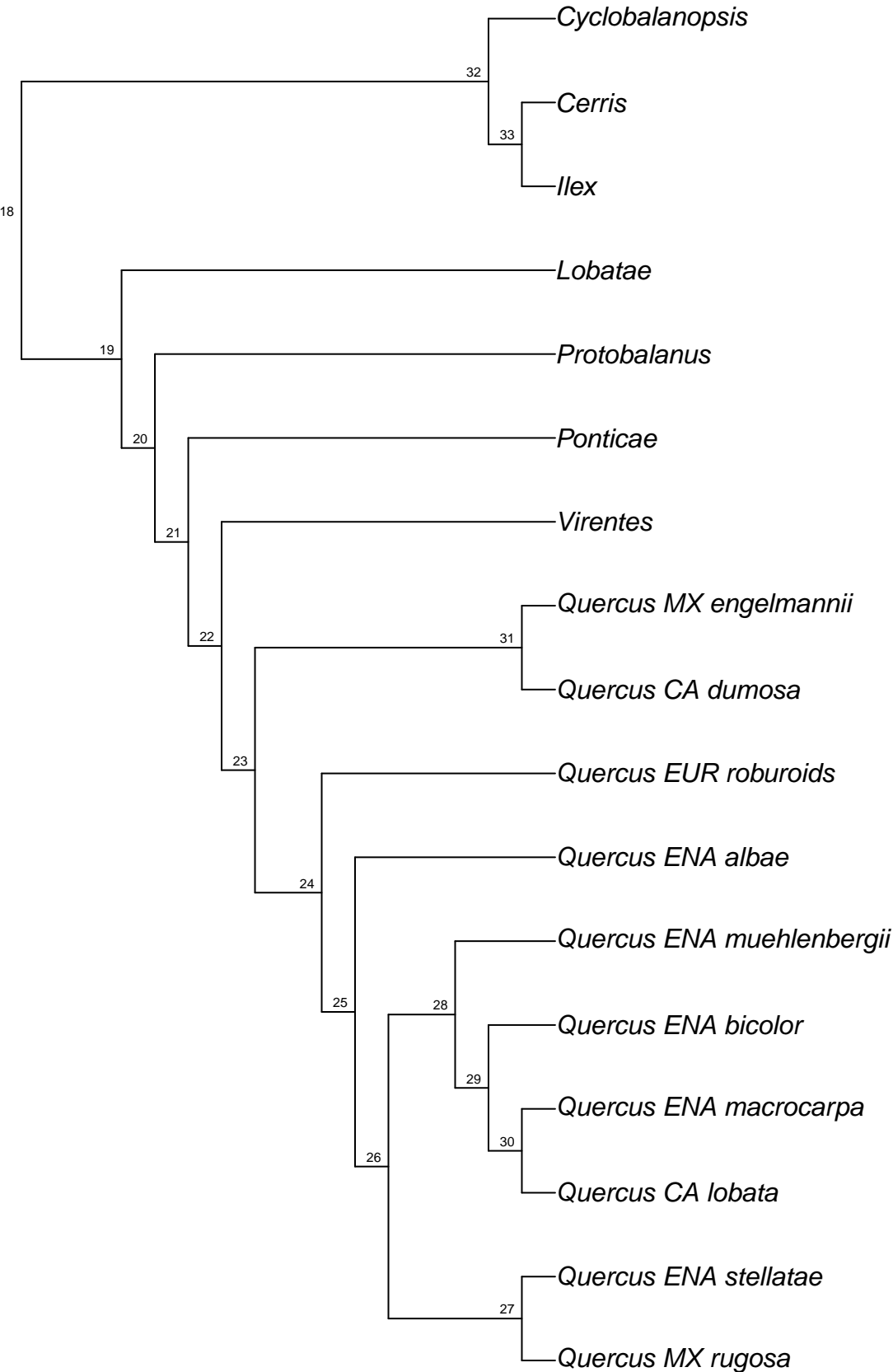




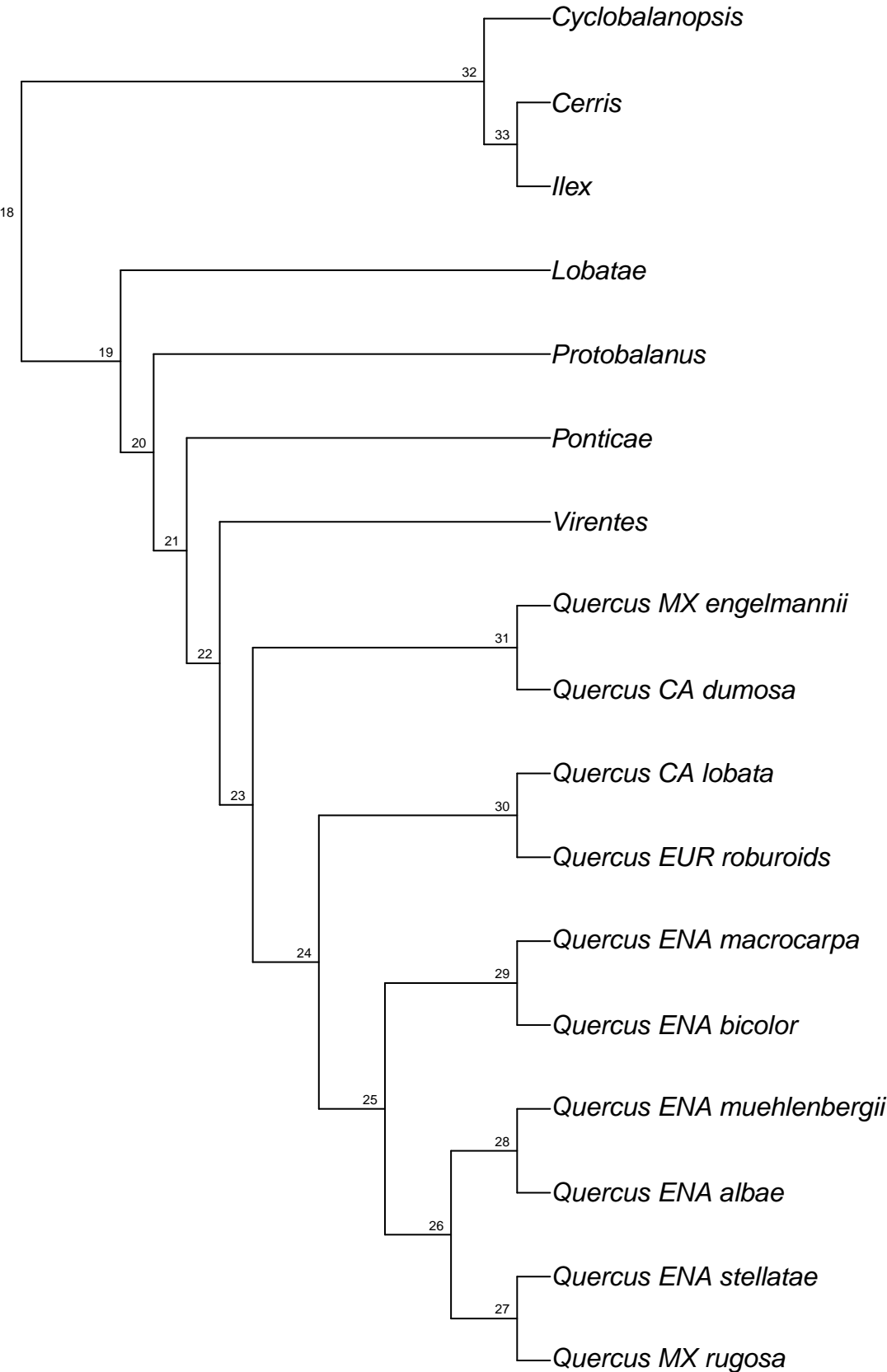
refRAD.ref\_virginiana\_raxml.bt053



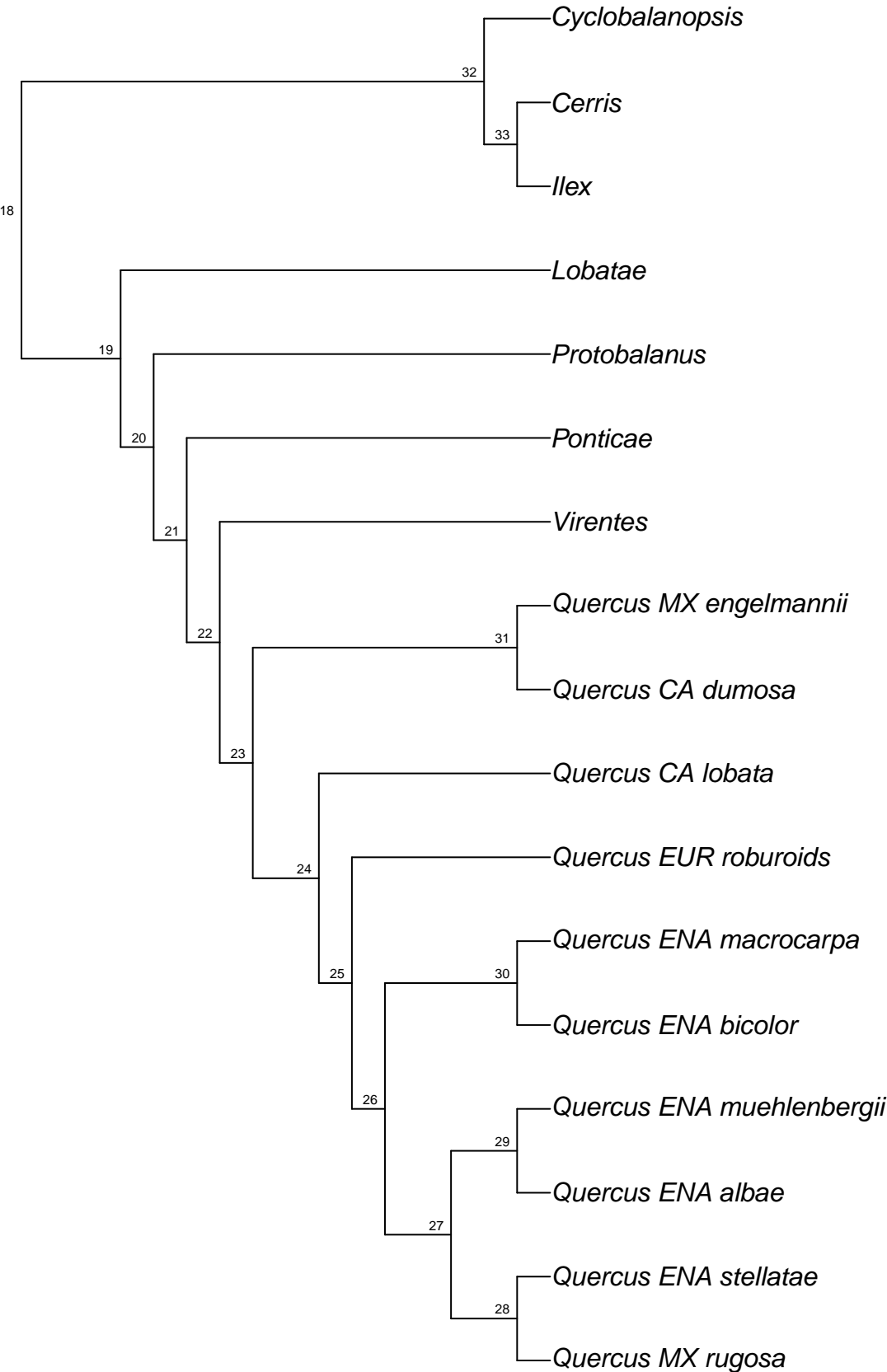


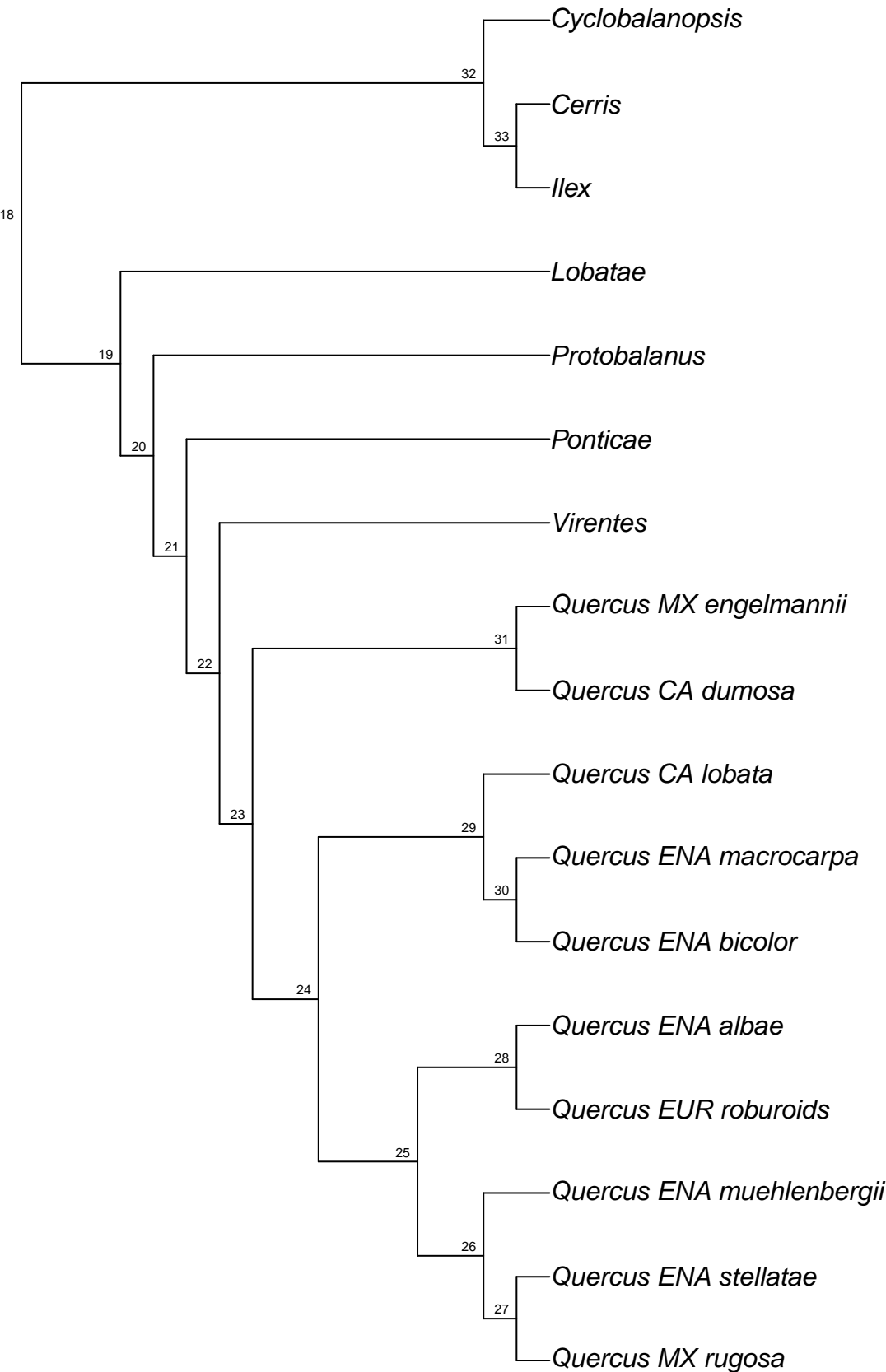


refRAD.ref\_virginiana\_raxml.bt055

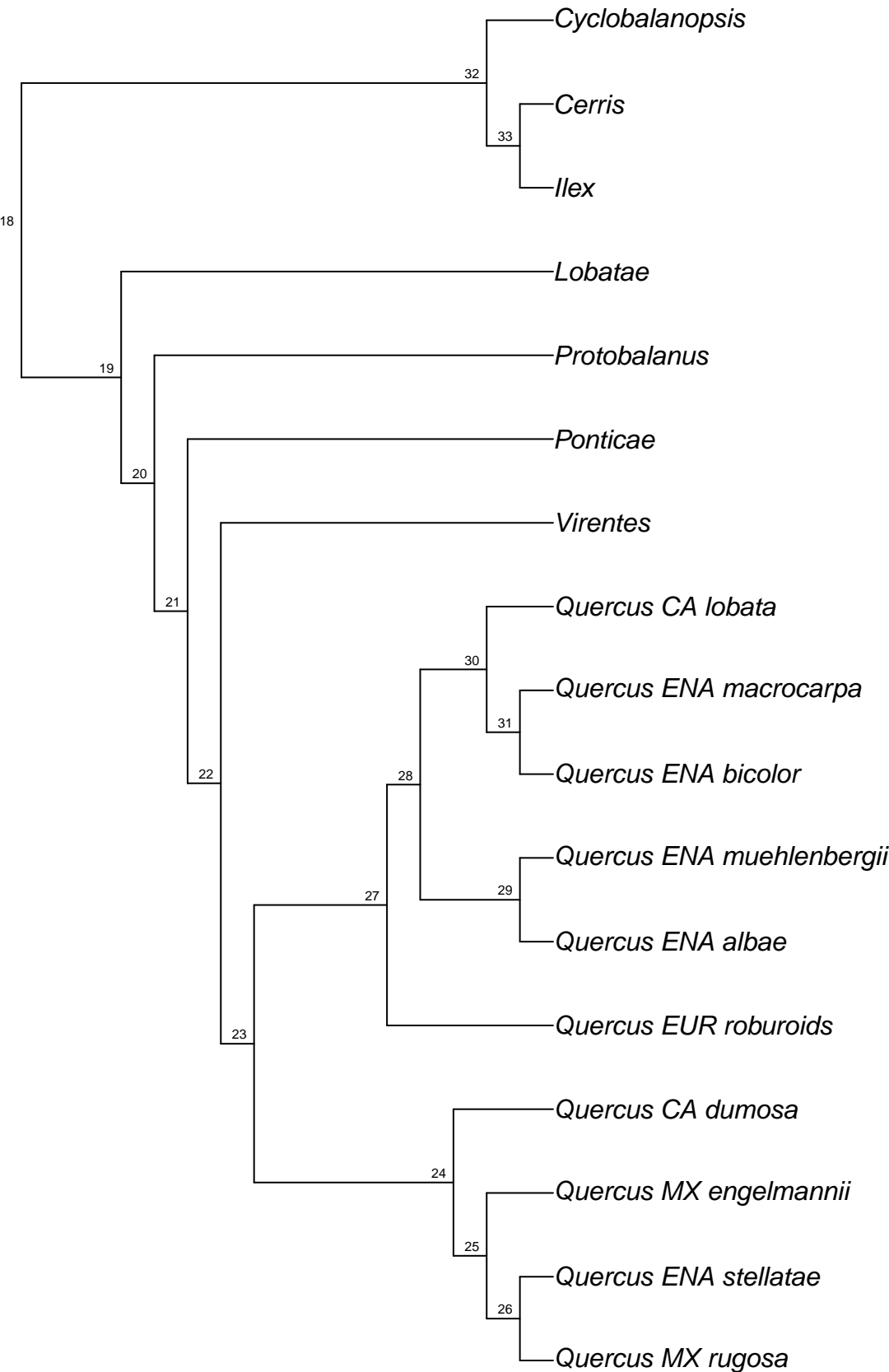


refRAD.ref\_virginiana\_raxml.bt056

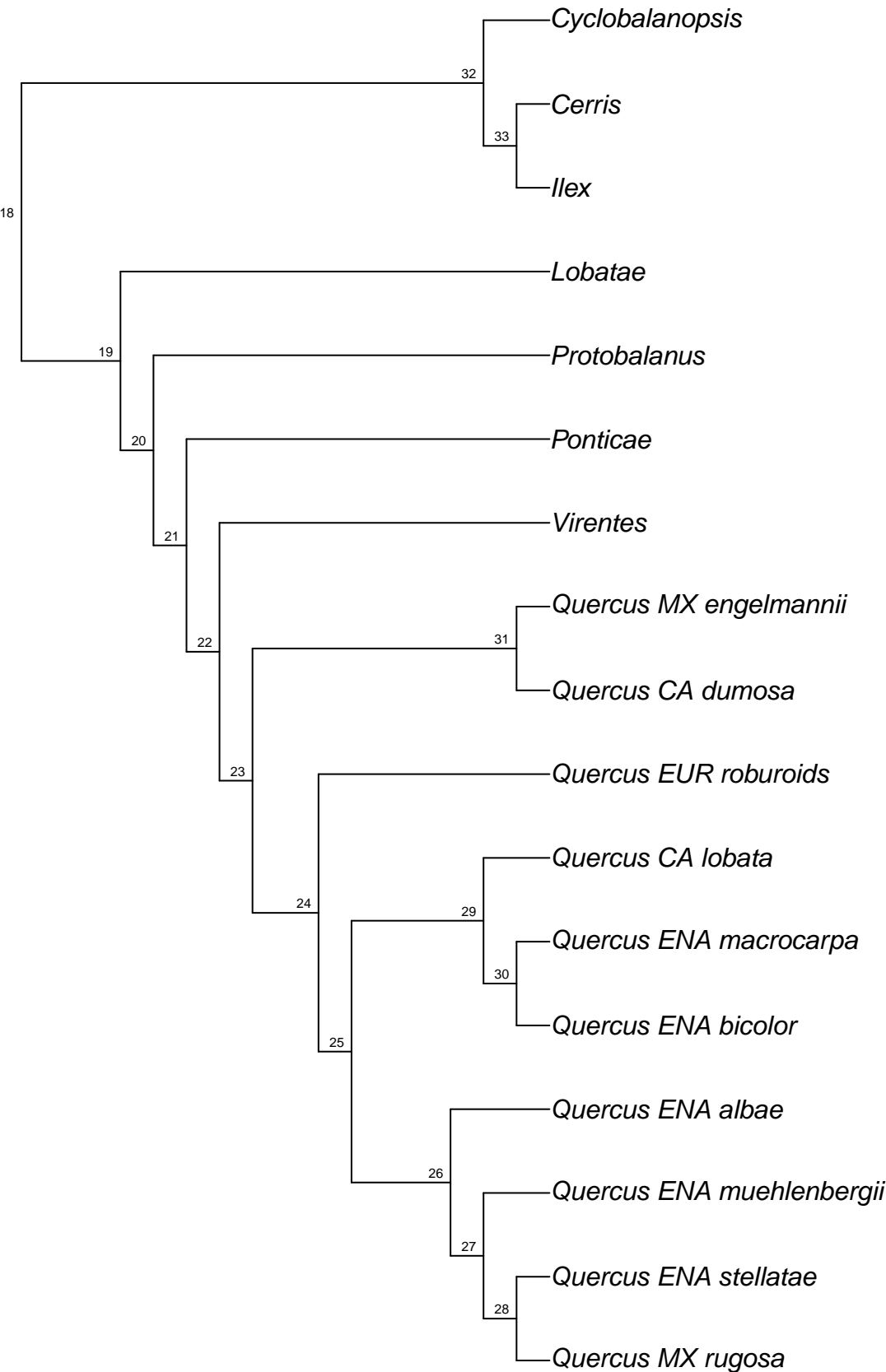




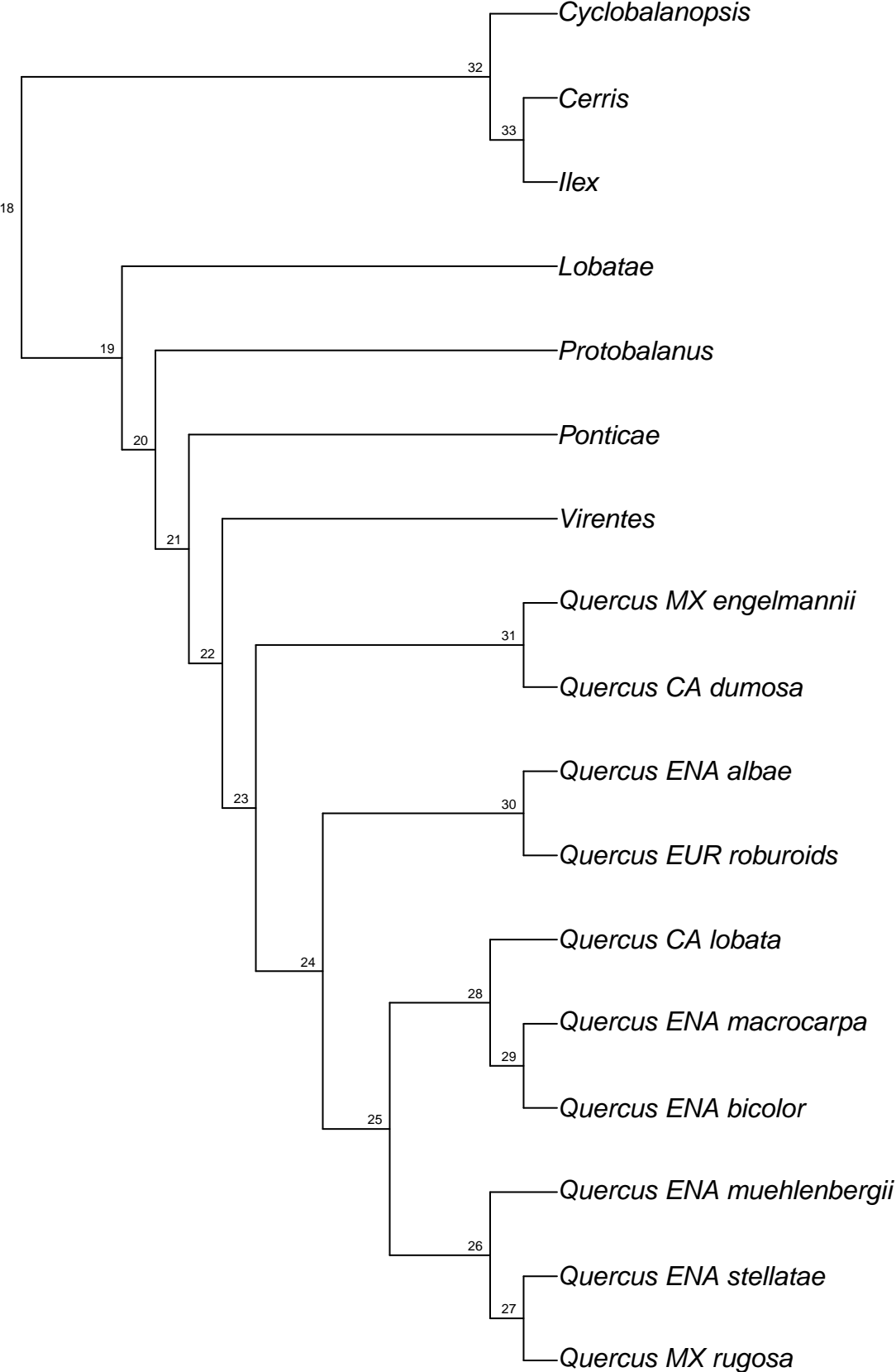
refRAD.ref\_virginiana\_raxml.bt058



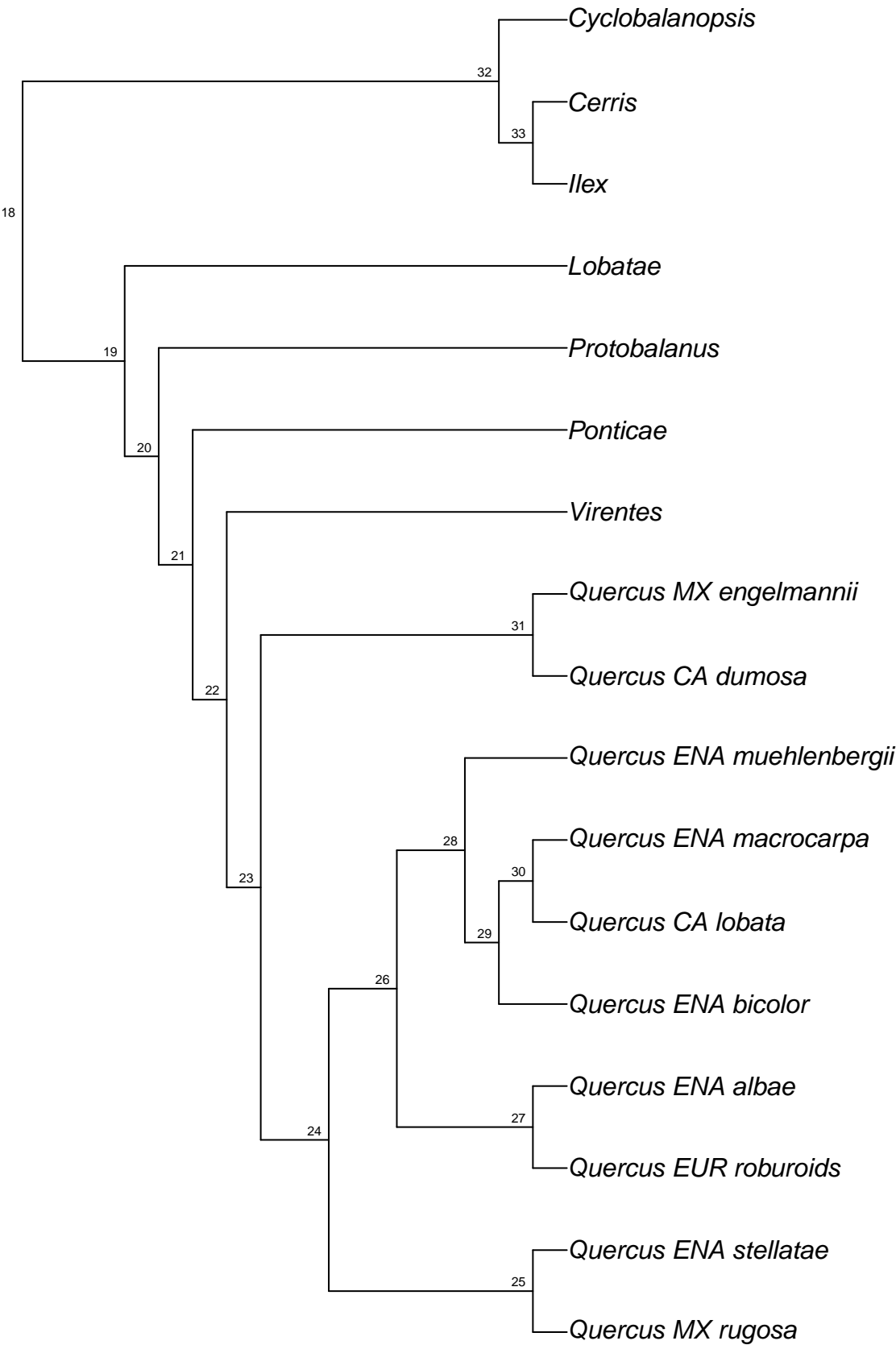
refRAD.ref\_virginiana\_raxml.bt059



refRAD.ref\_virginiana\_raxml.bt060

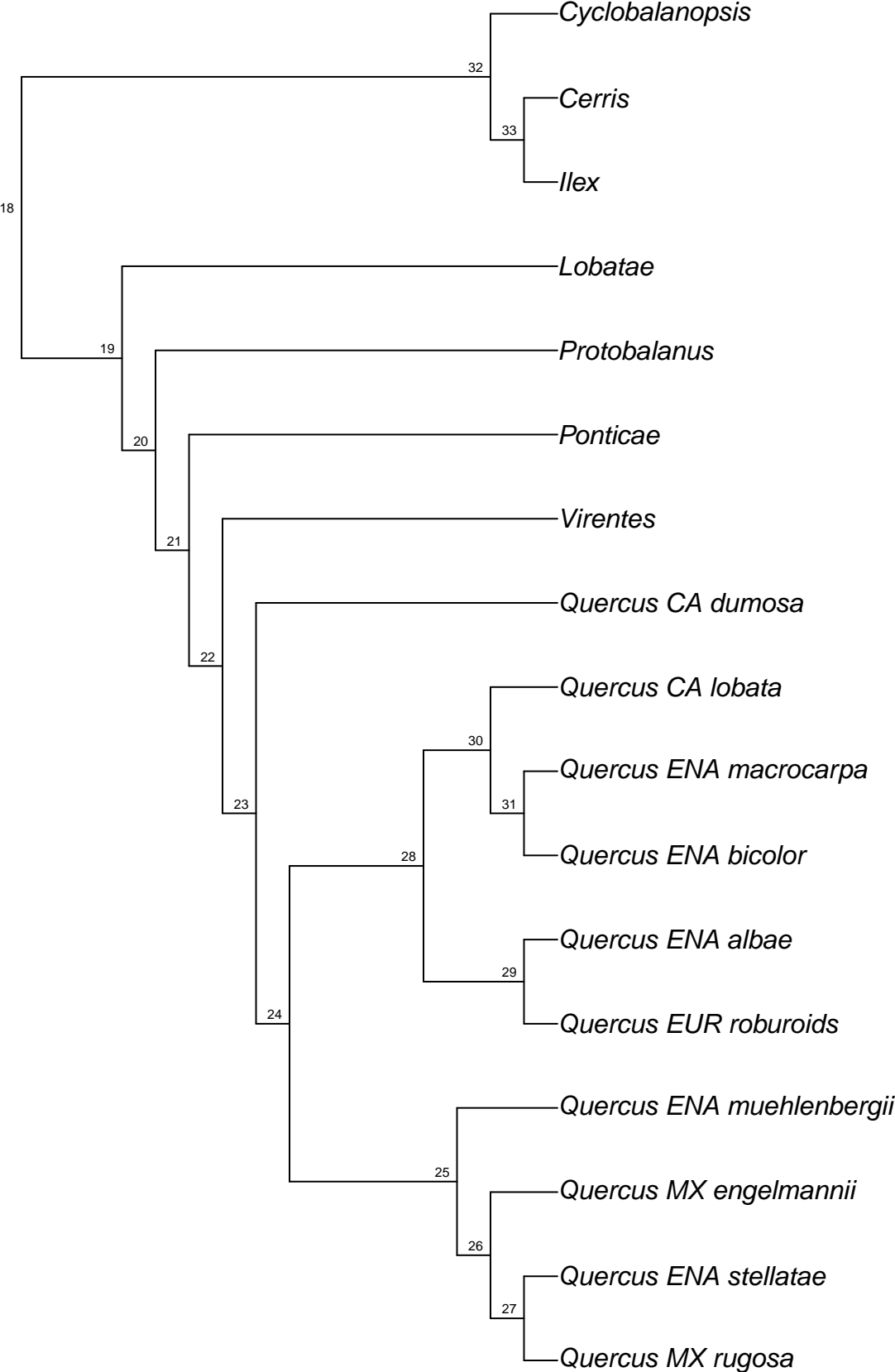


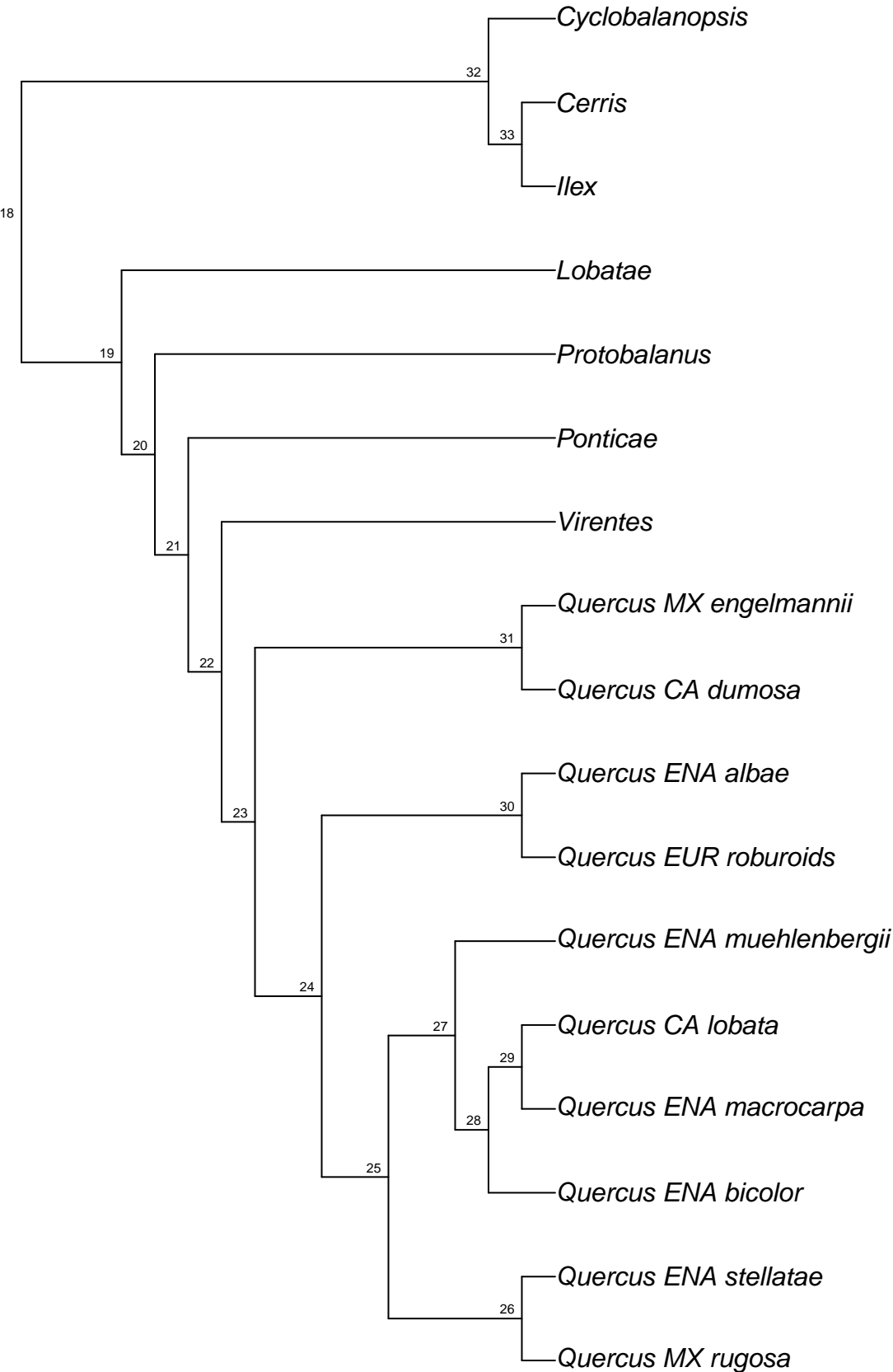
refRAD.ref\_virginiana\_raxml.bt061



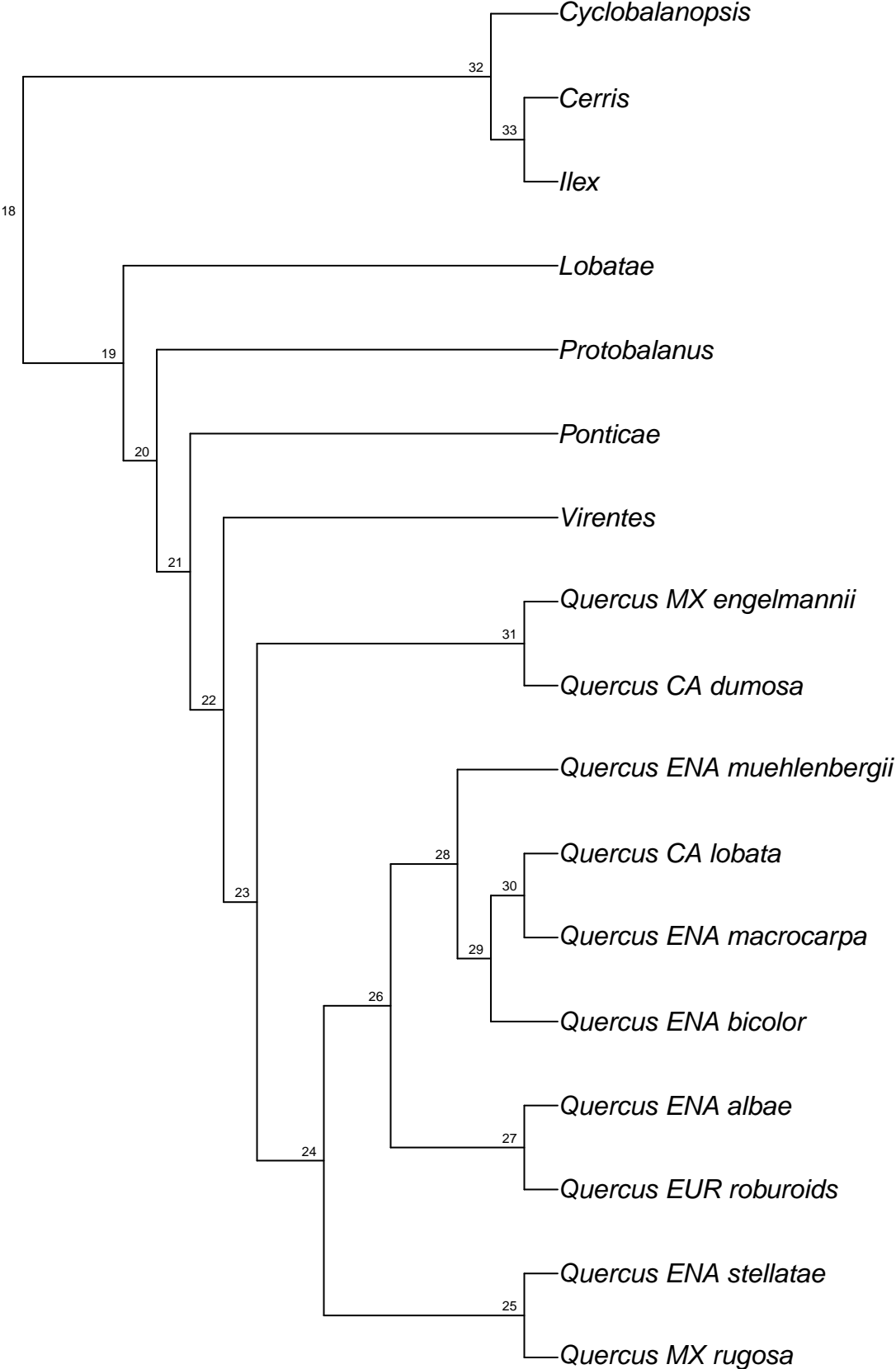


refRAD.ref\_virginiana\_raxml.bt062

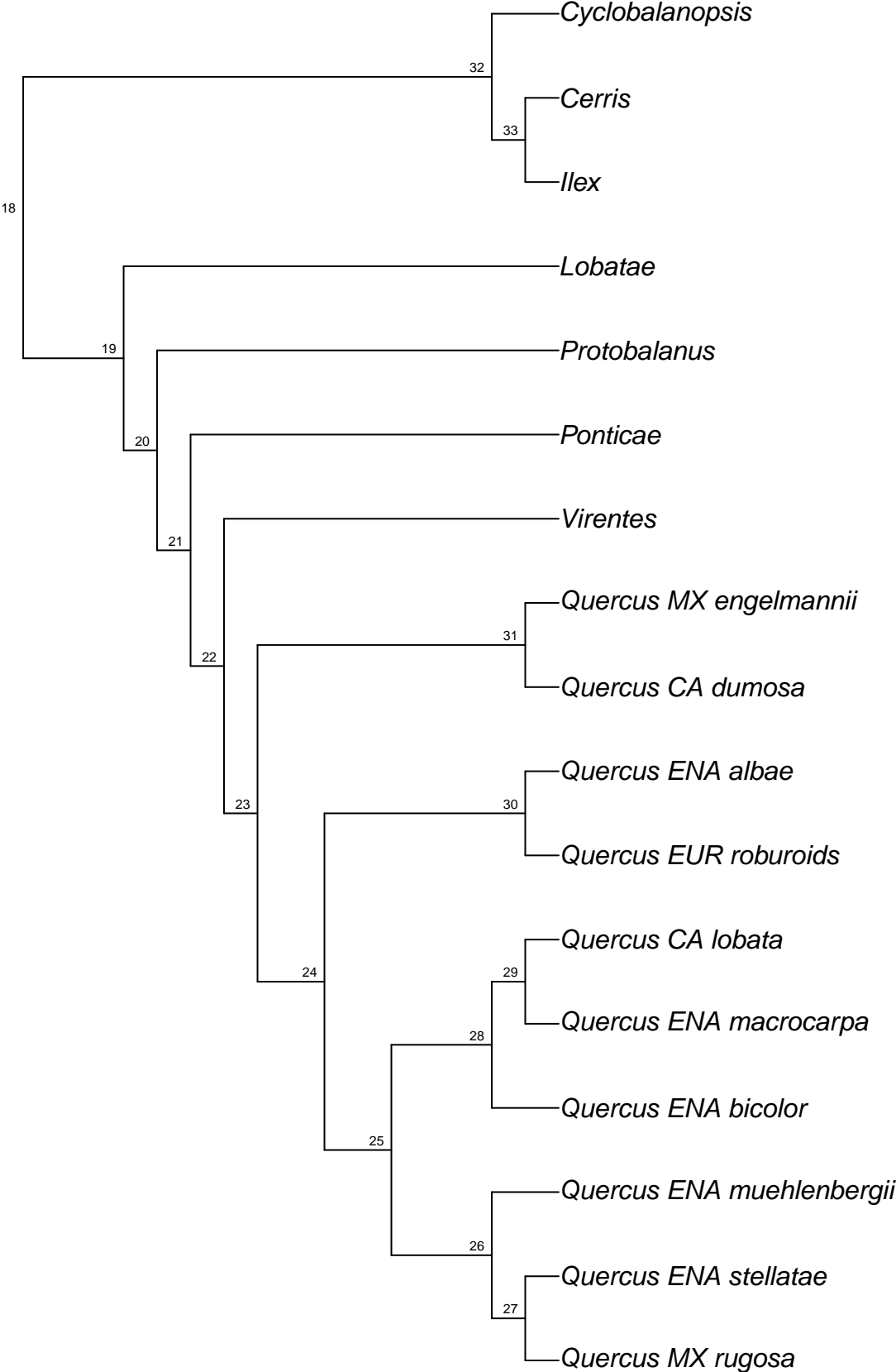


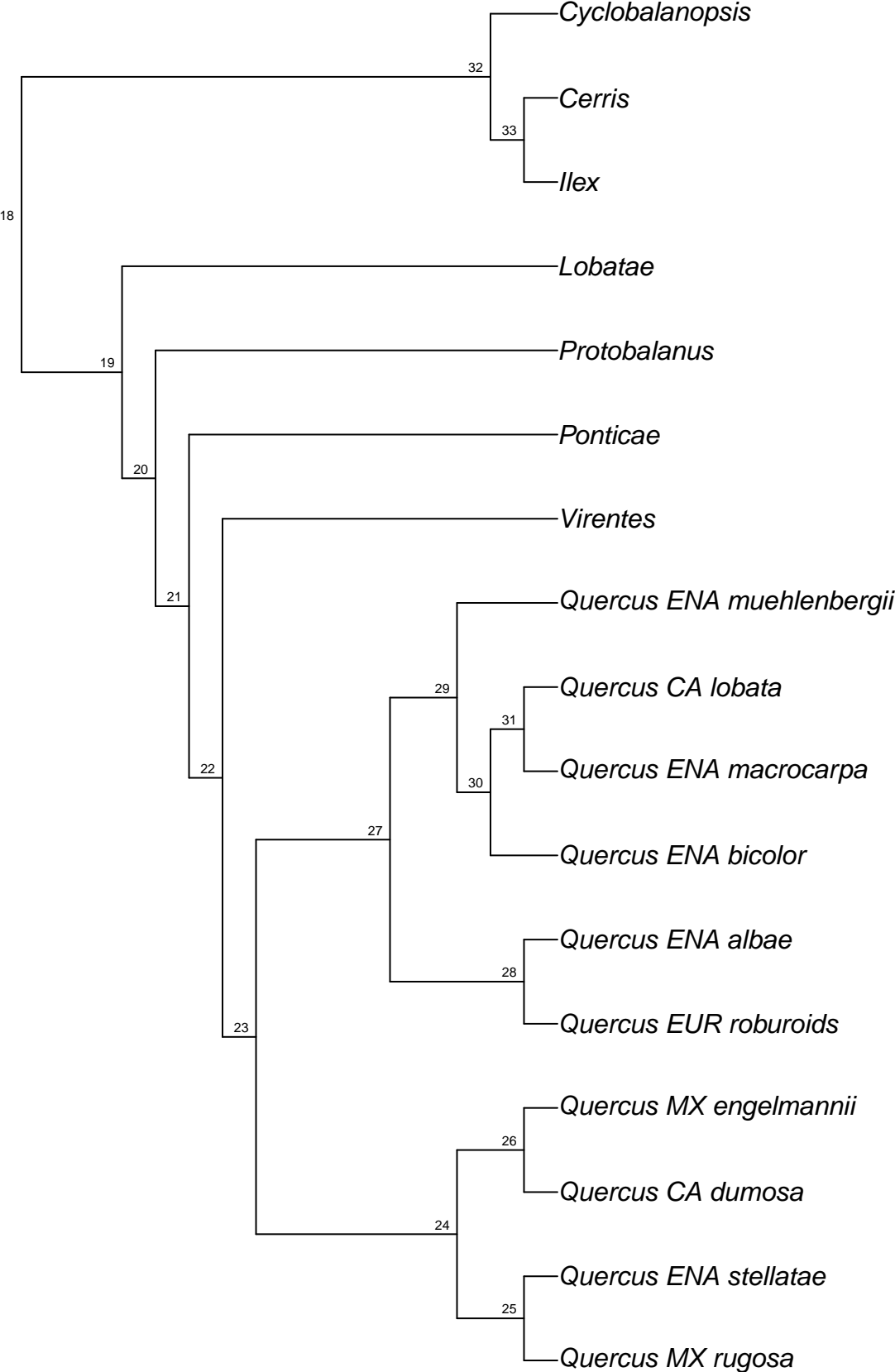


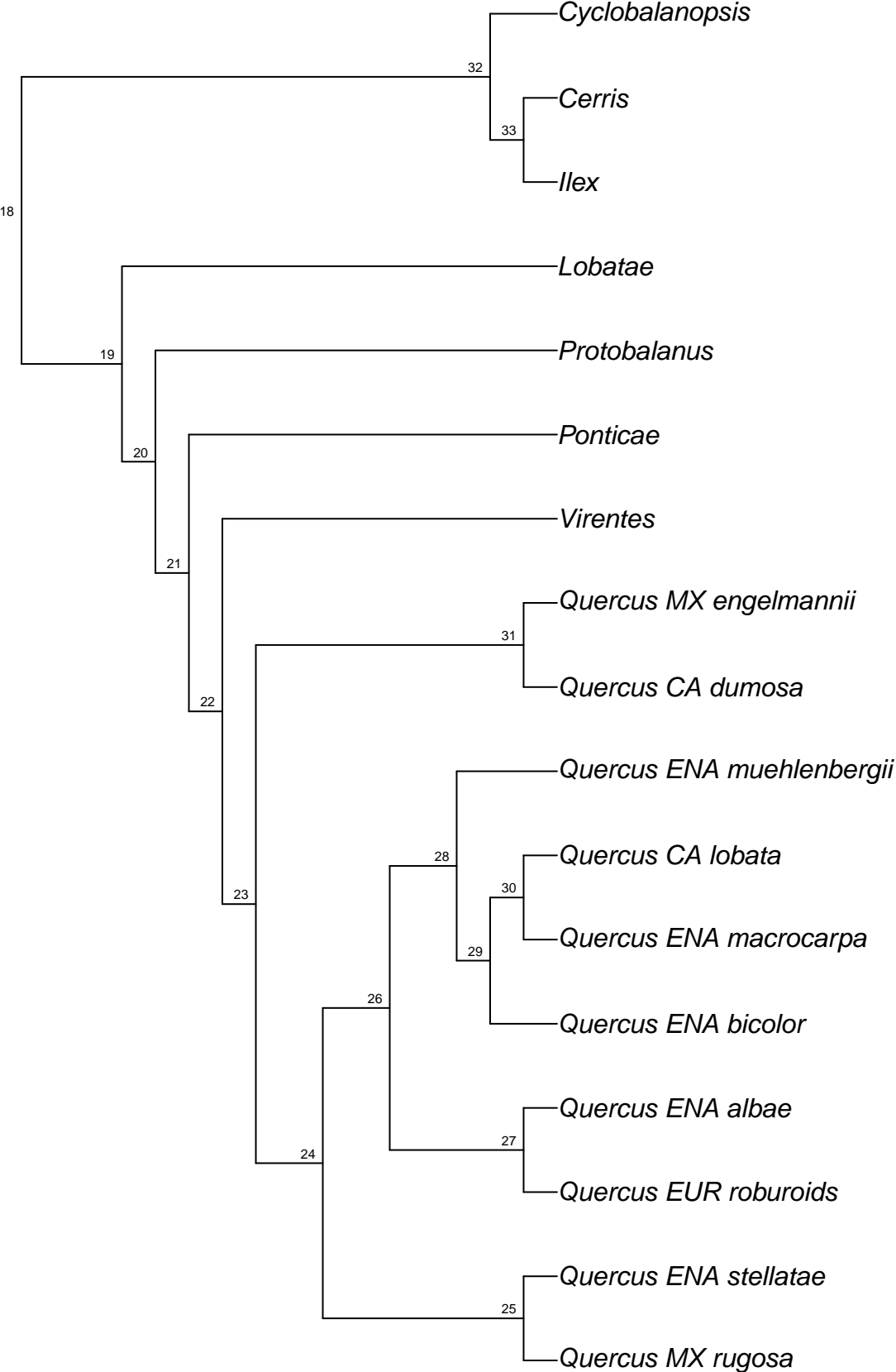
refRAD.ref\_virginiana\_raxml.bt064

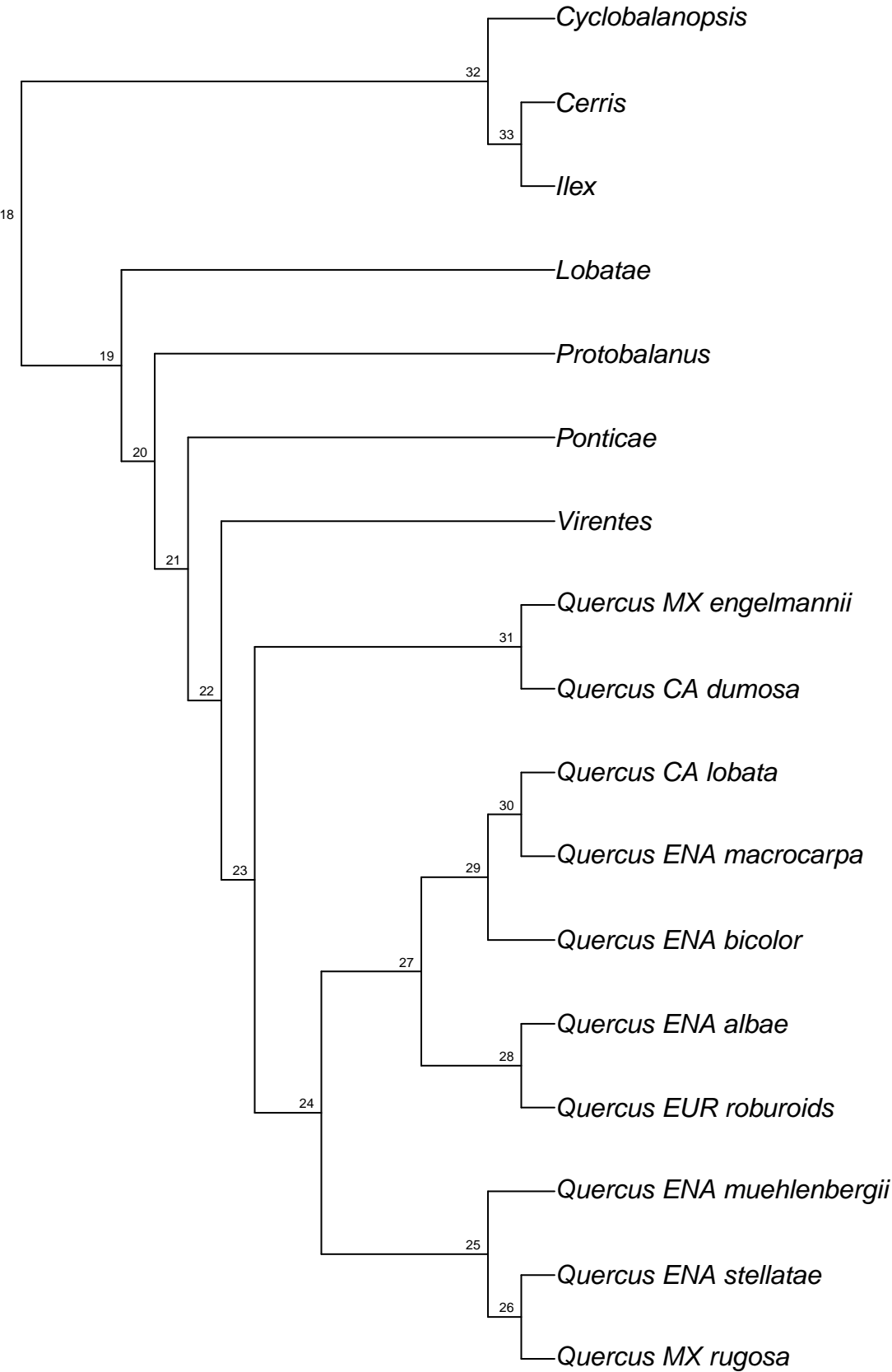


refRAD.ref\_virginiana\_raxml.bt065

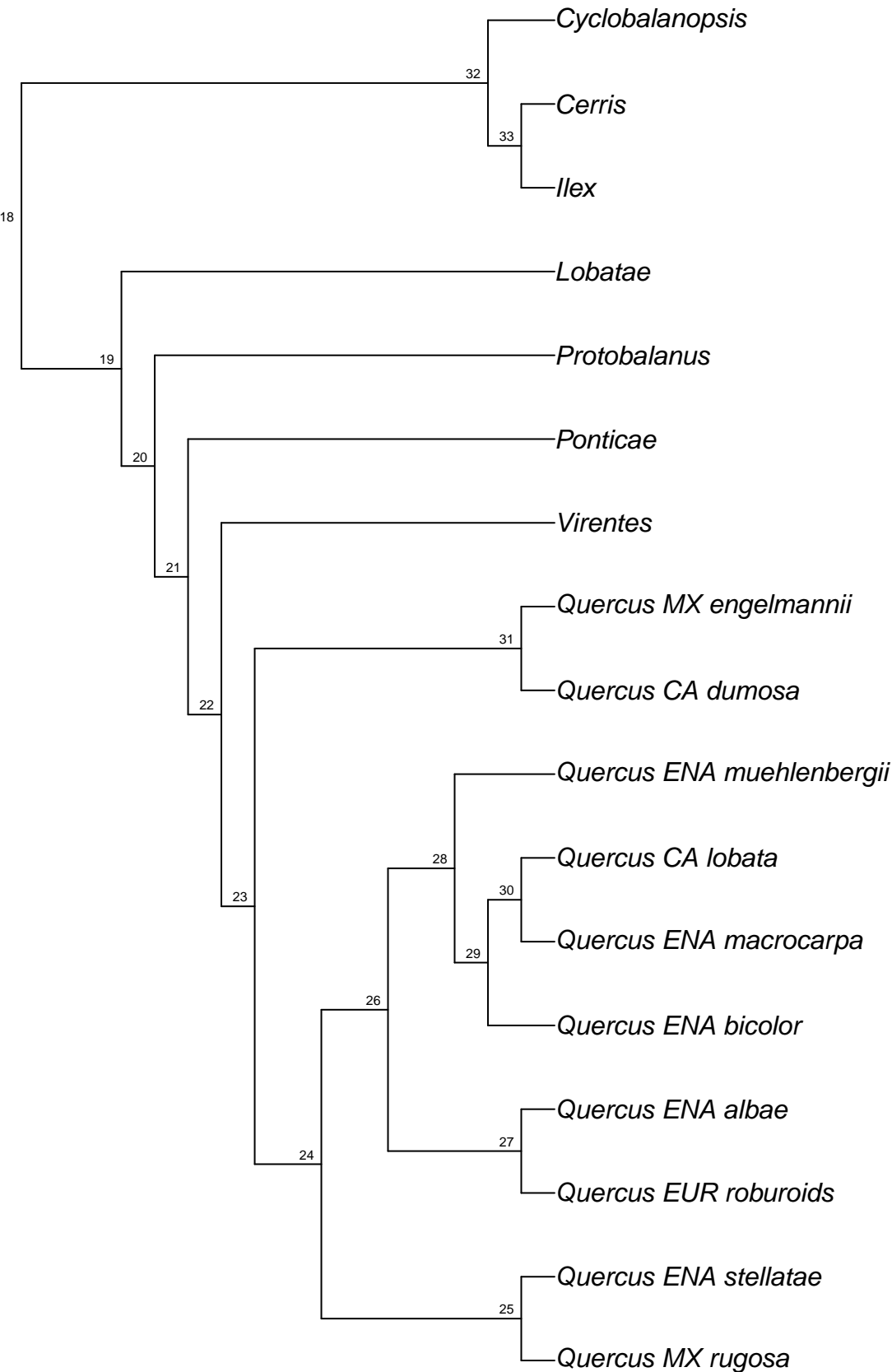






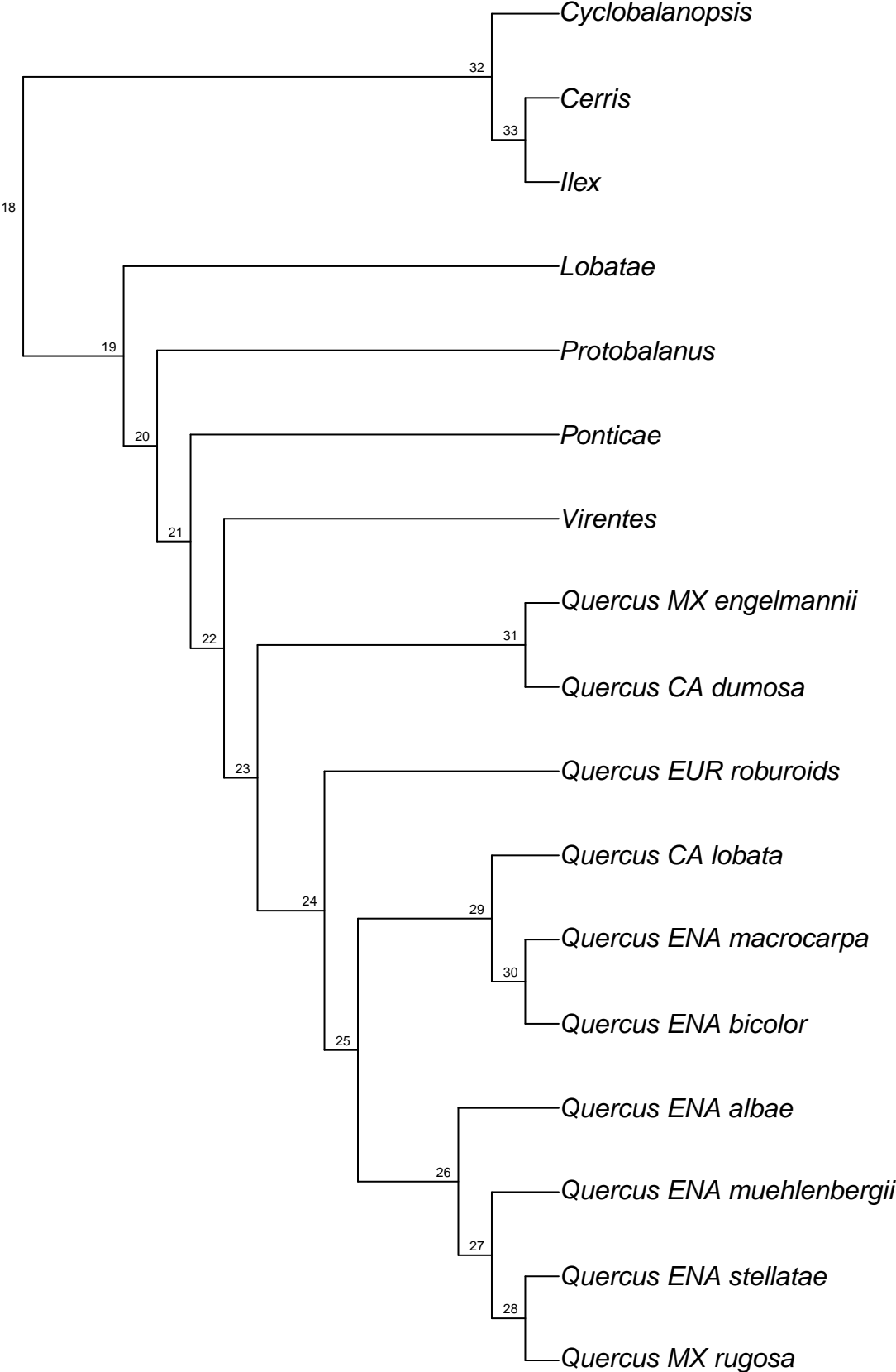


refRAD.ref\_virginiana\_raxml.bt069

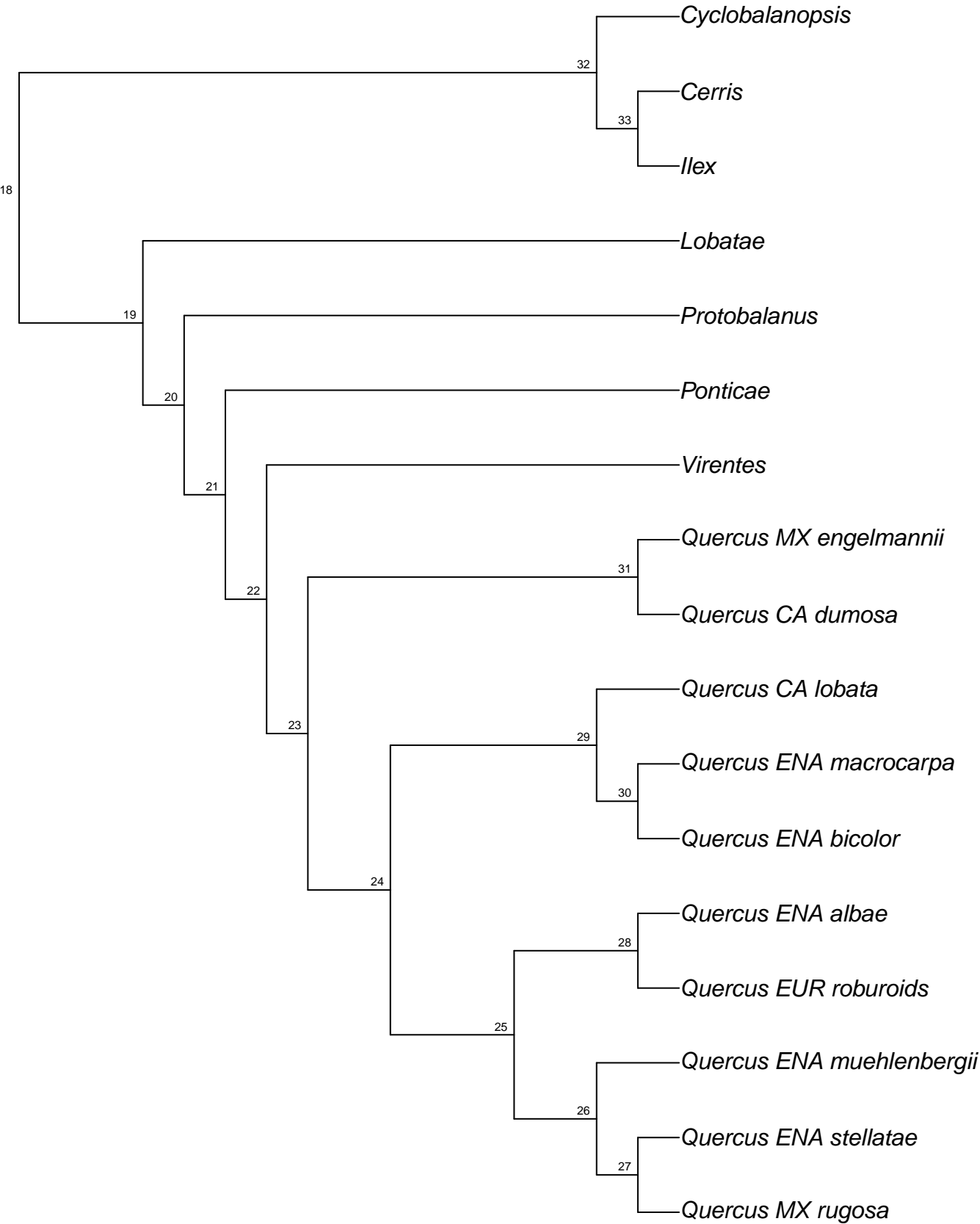




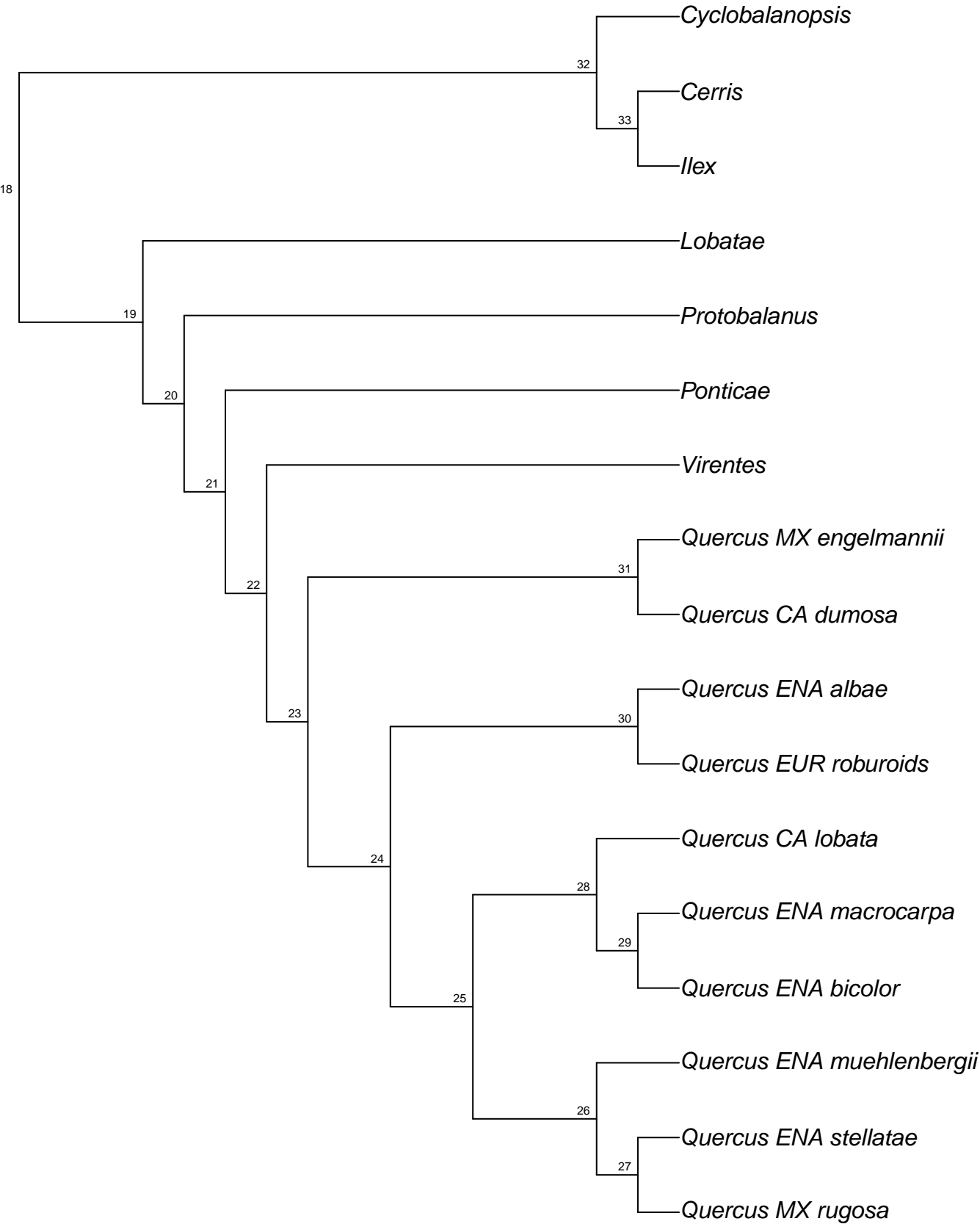
refRAD.ref\_virginiana\_raxml.bt070



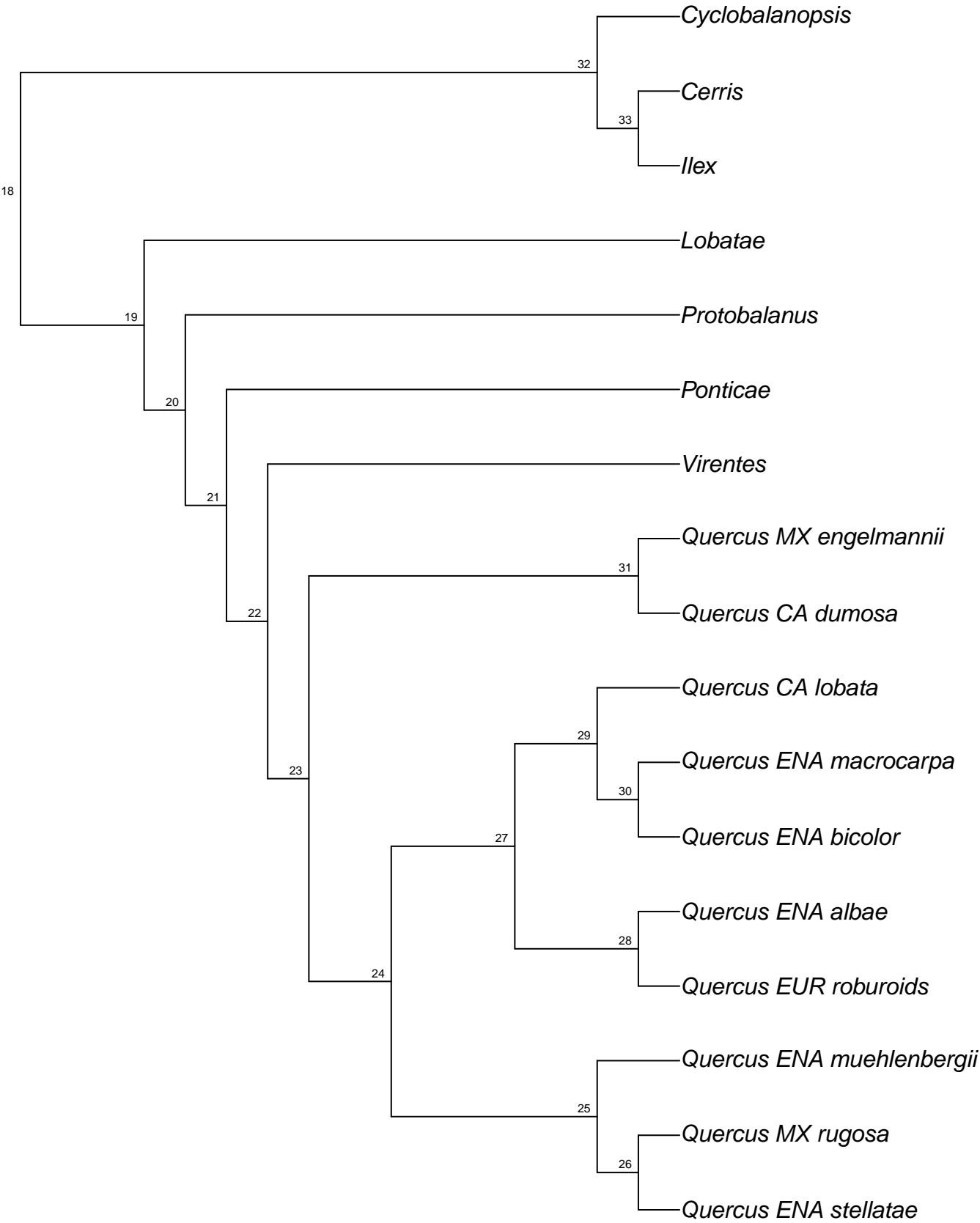
refRAD.ref\_virginiana\_raxml.bt071



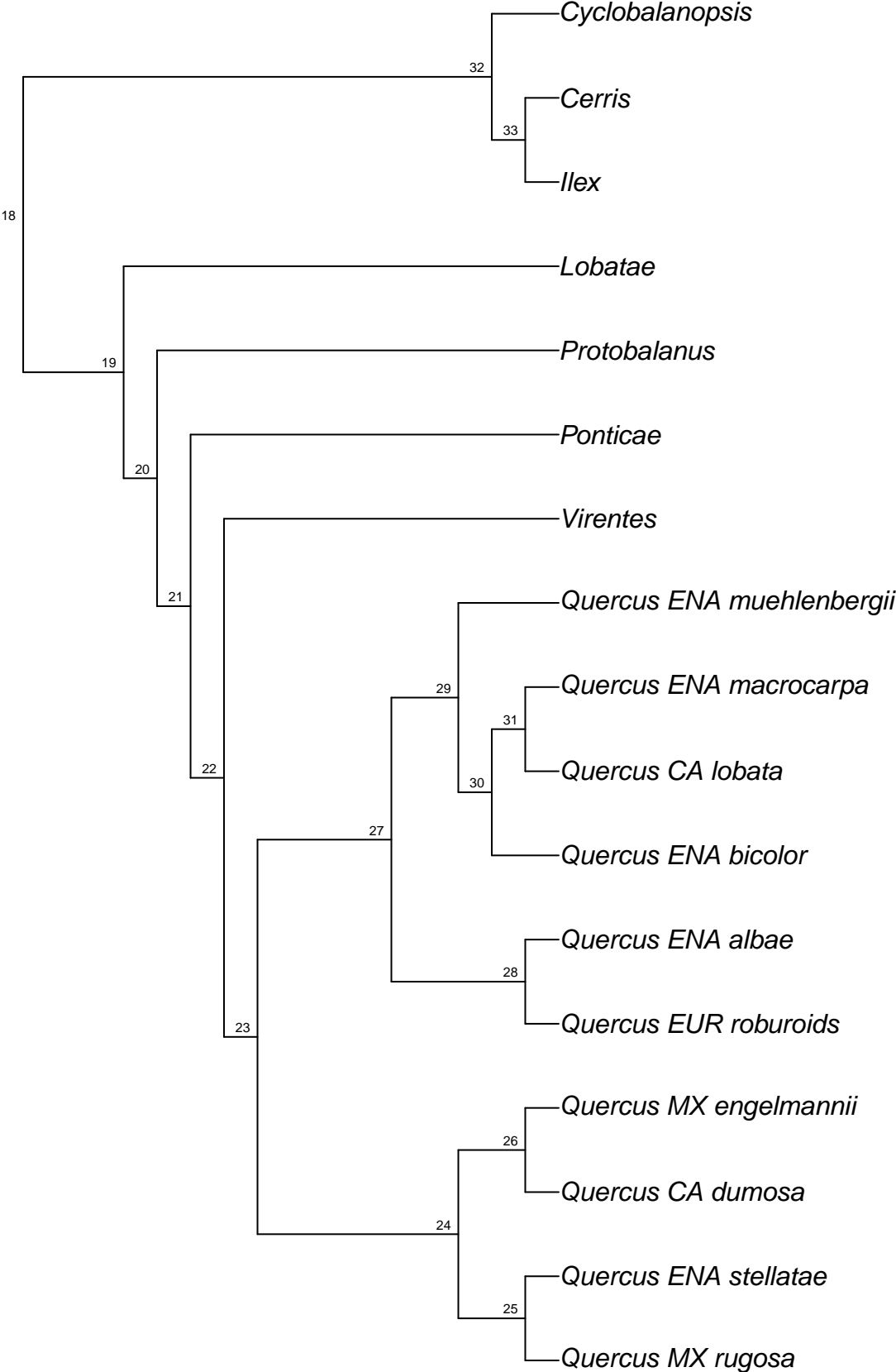
refRAD.ref\_virginiana\_raxml.bt072



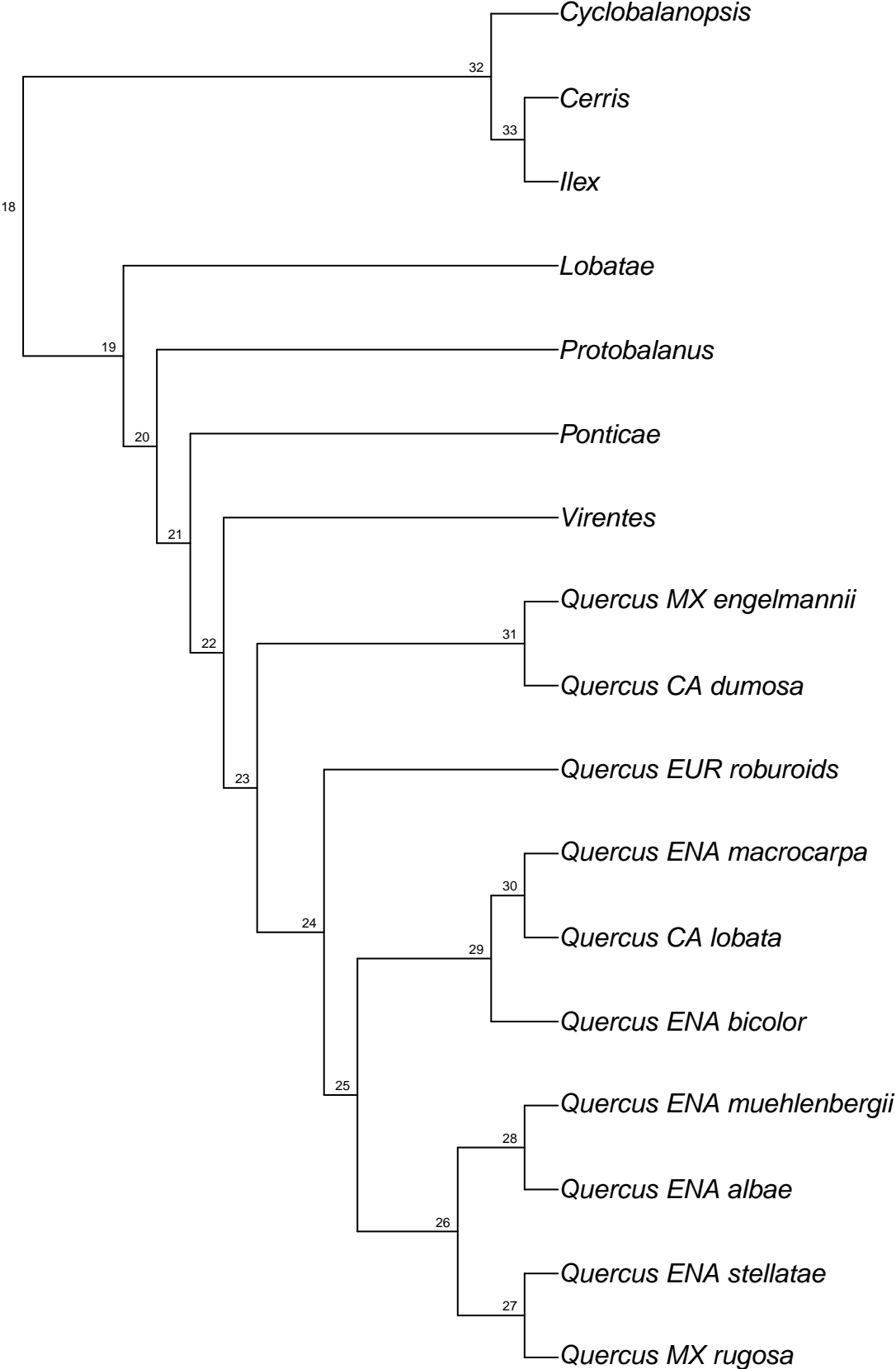
refRAD.ref\_virginiana\_raxml.bt073



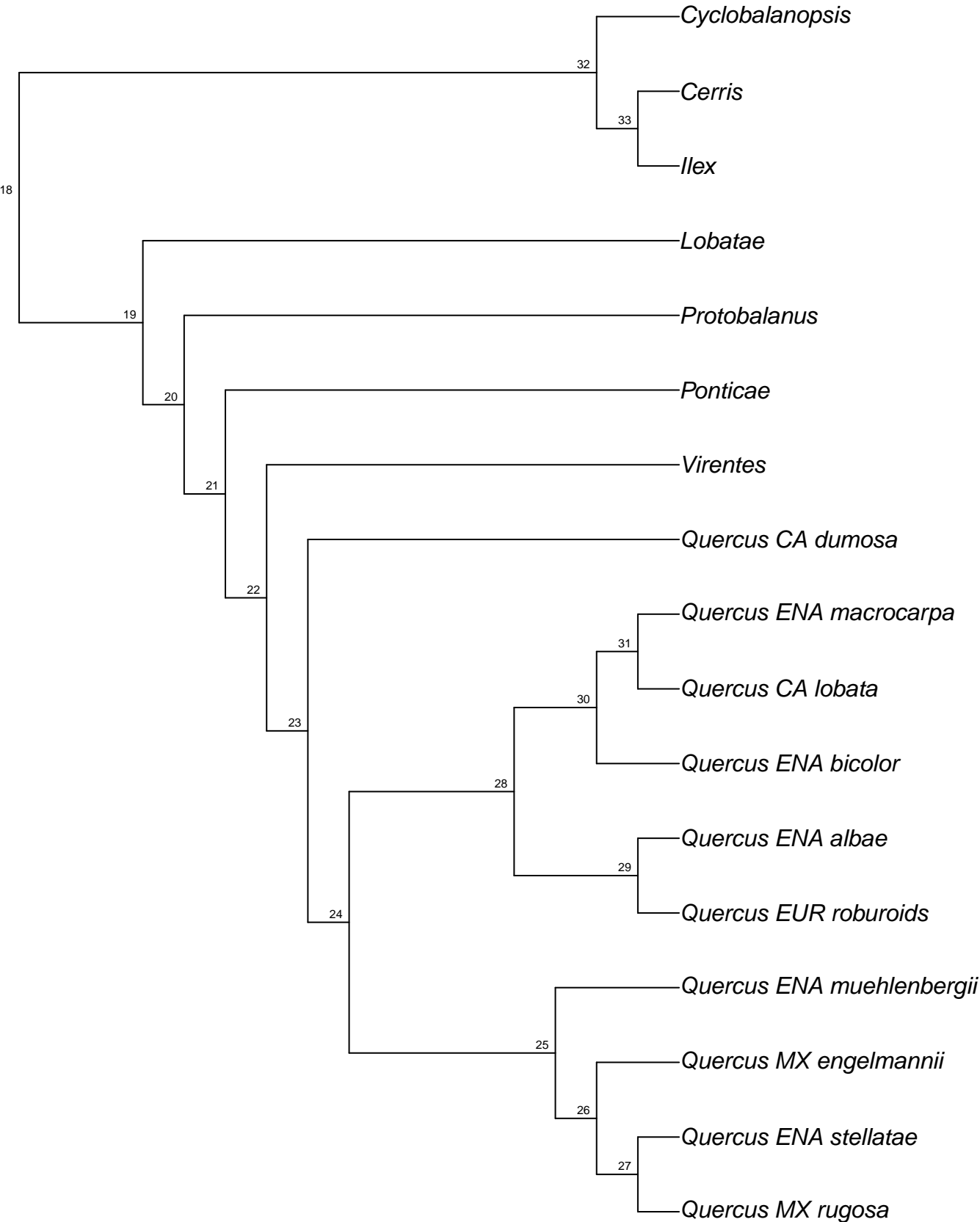
refRAD.ref\_virginiana\_raxml.bt074

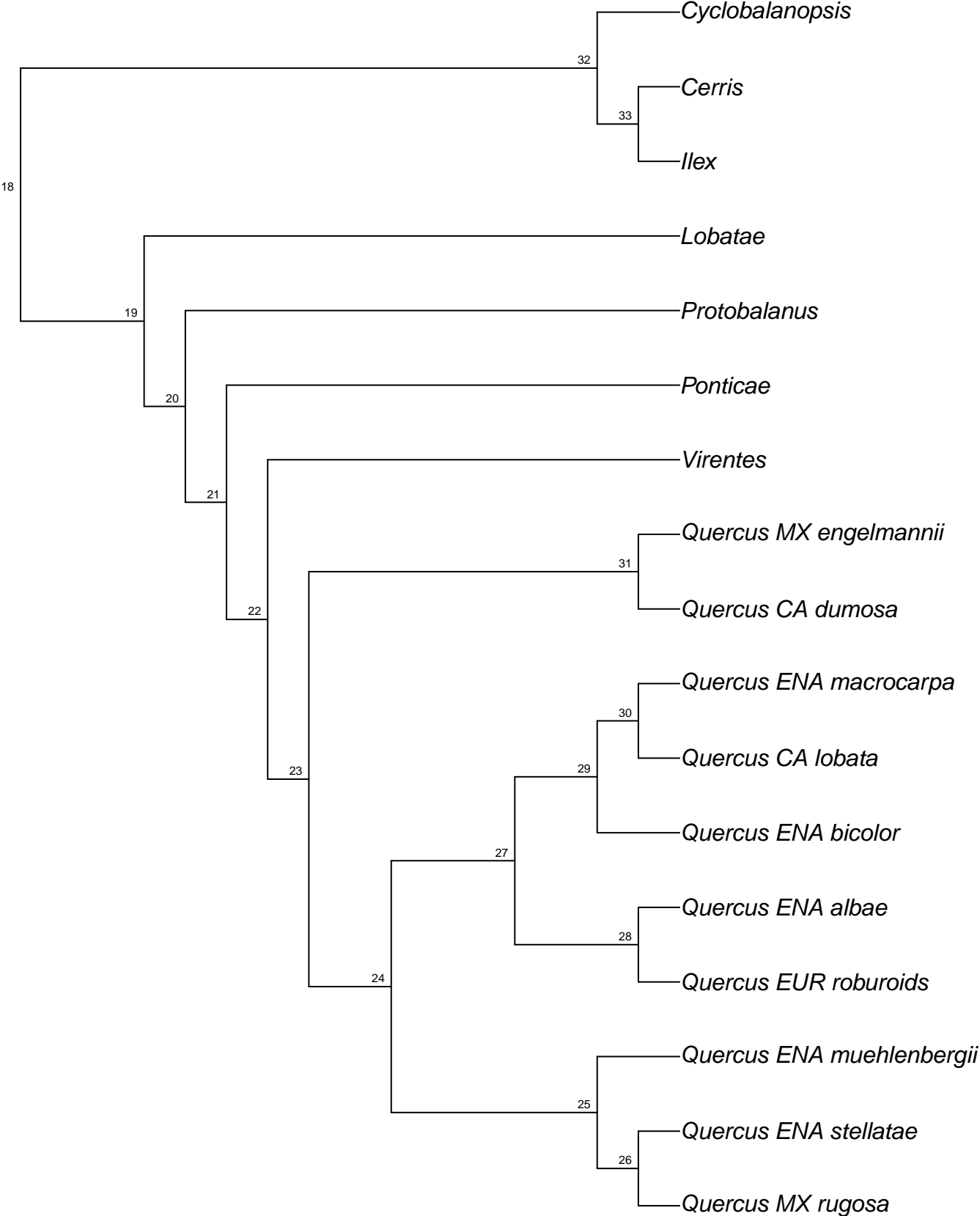


refRAD.ref\_virginiana\_raxml.bt075



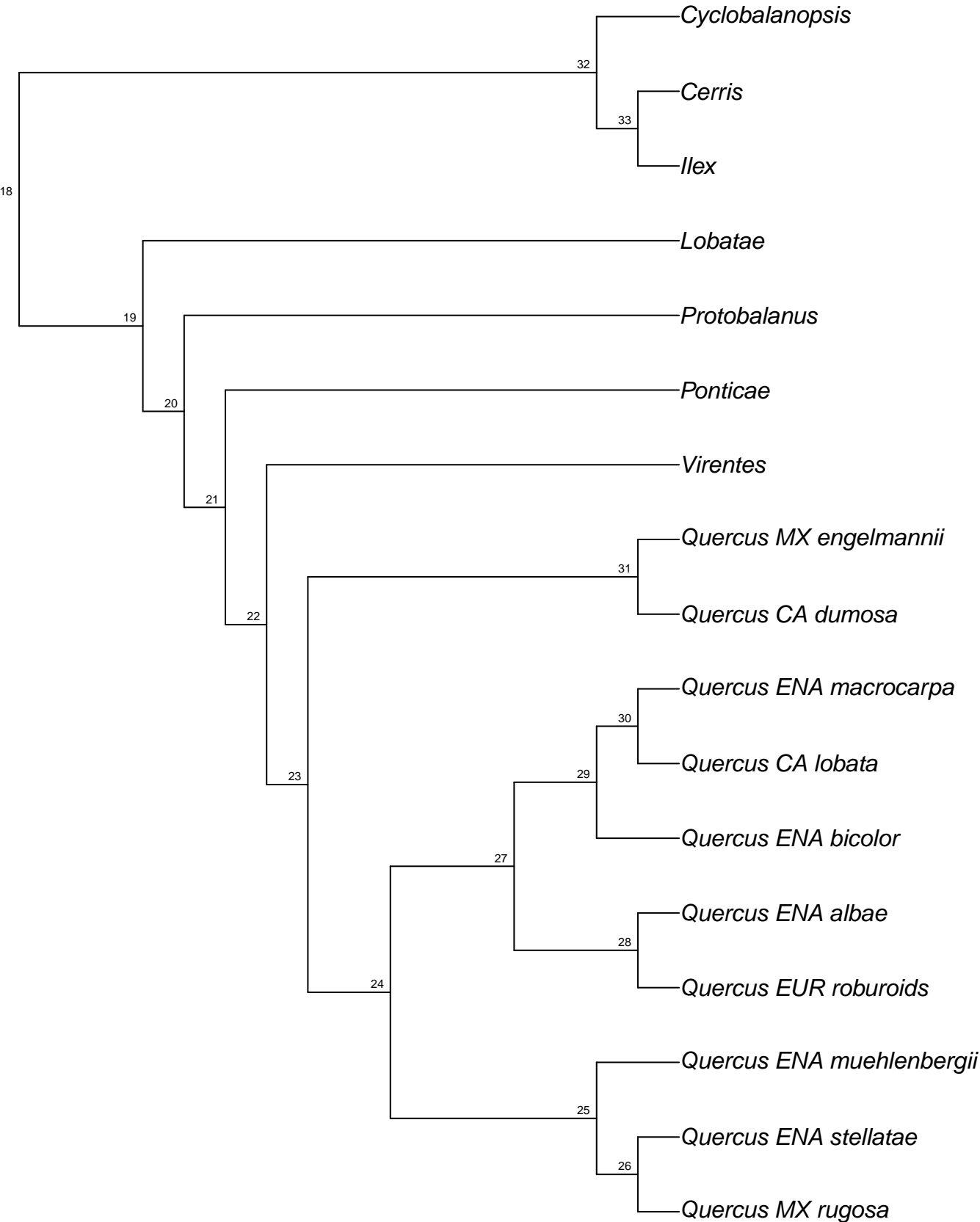
refRAD.ref\_virginiana\_raxml.bt076



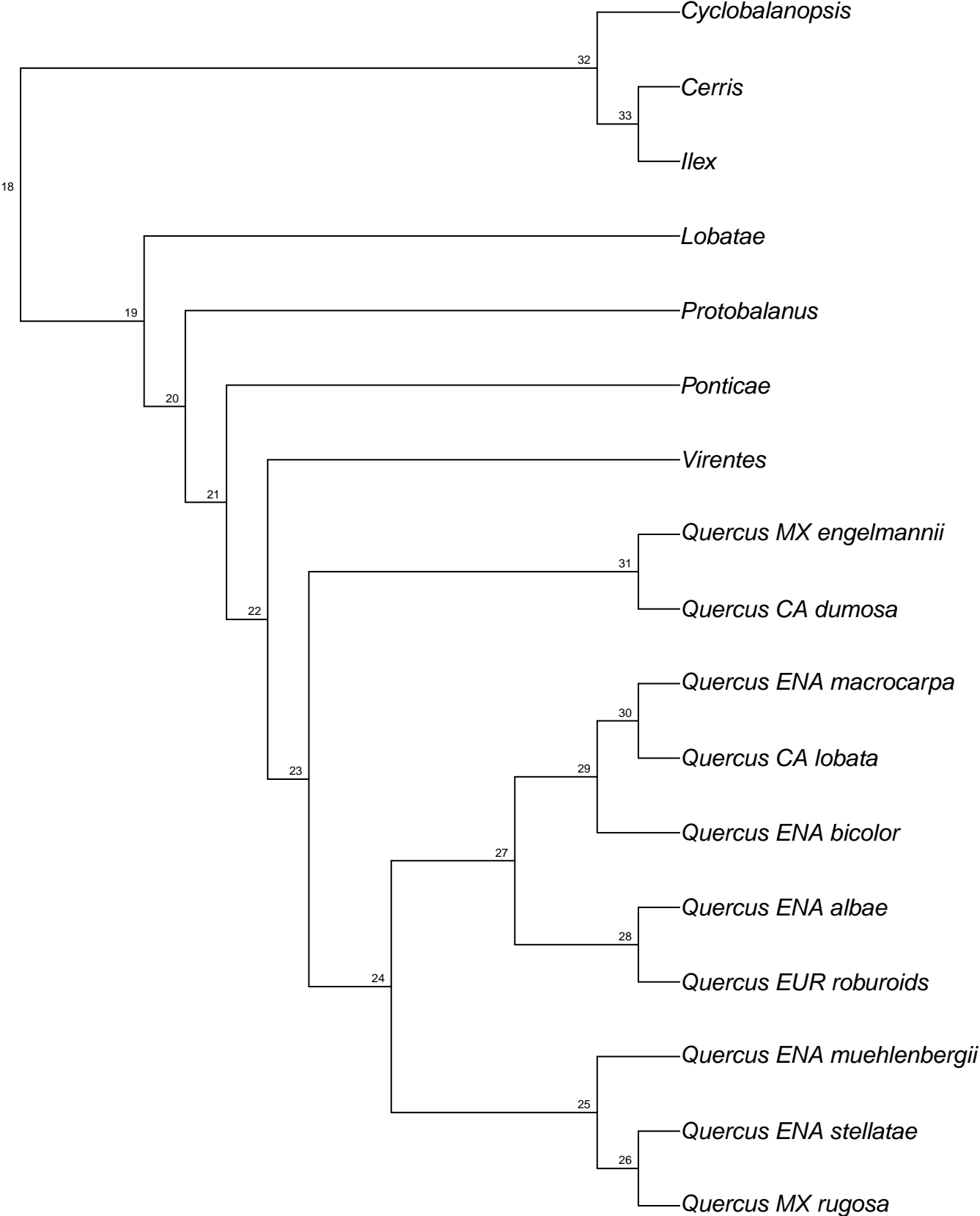




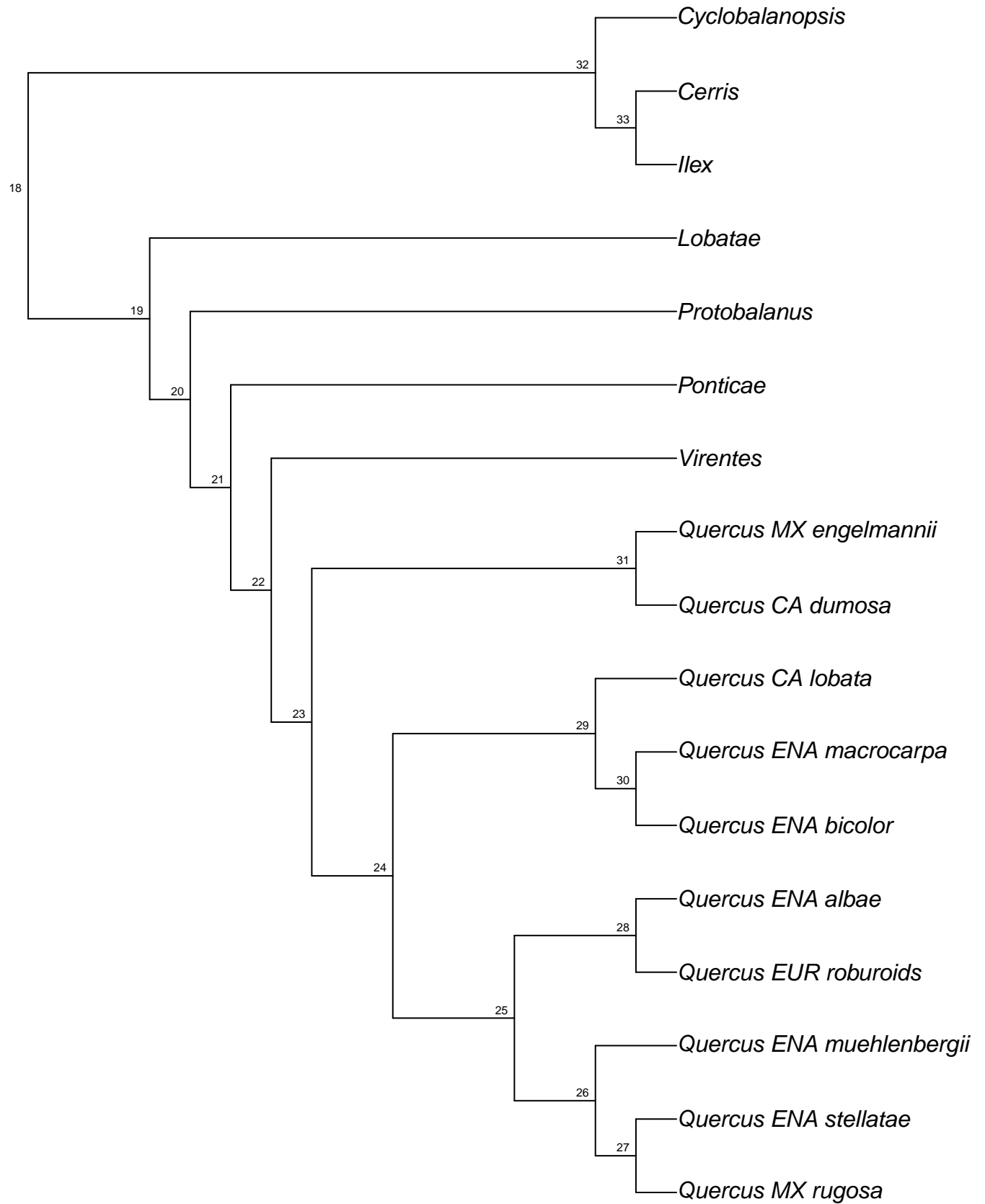
refRAD.ref\_virginiana\_raxml.bt078

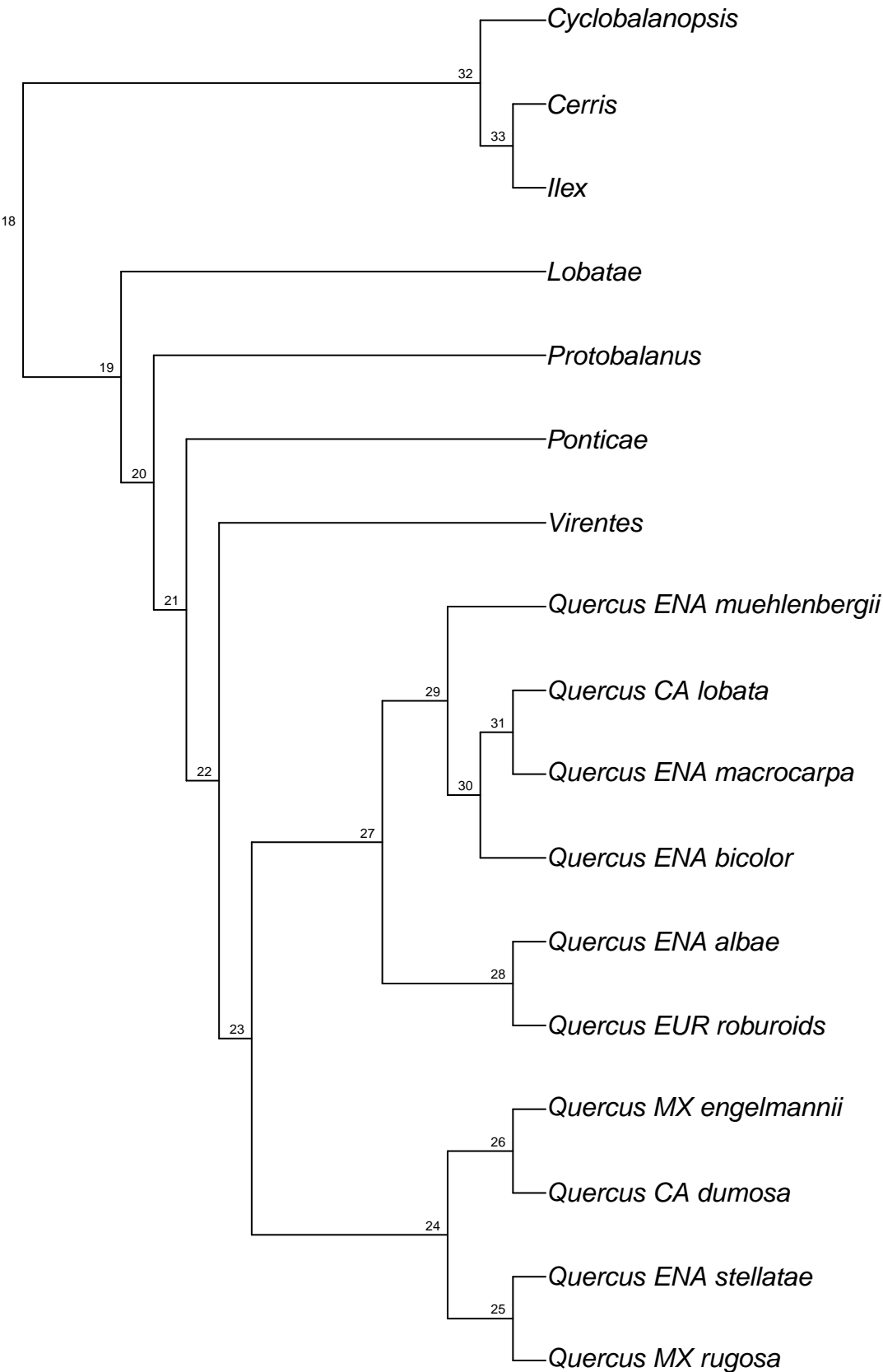


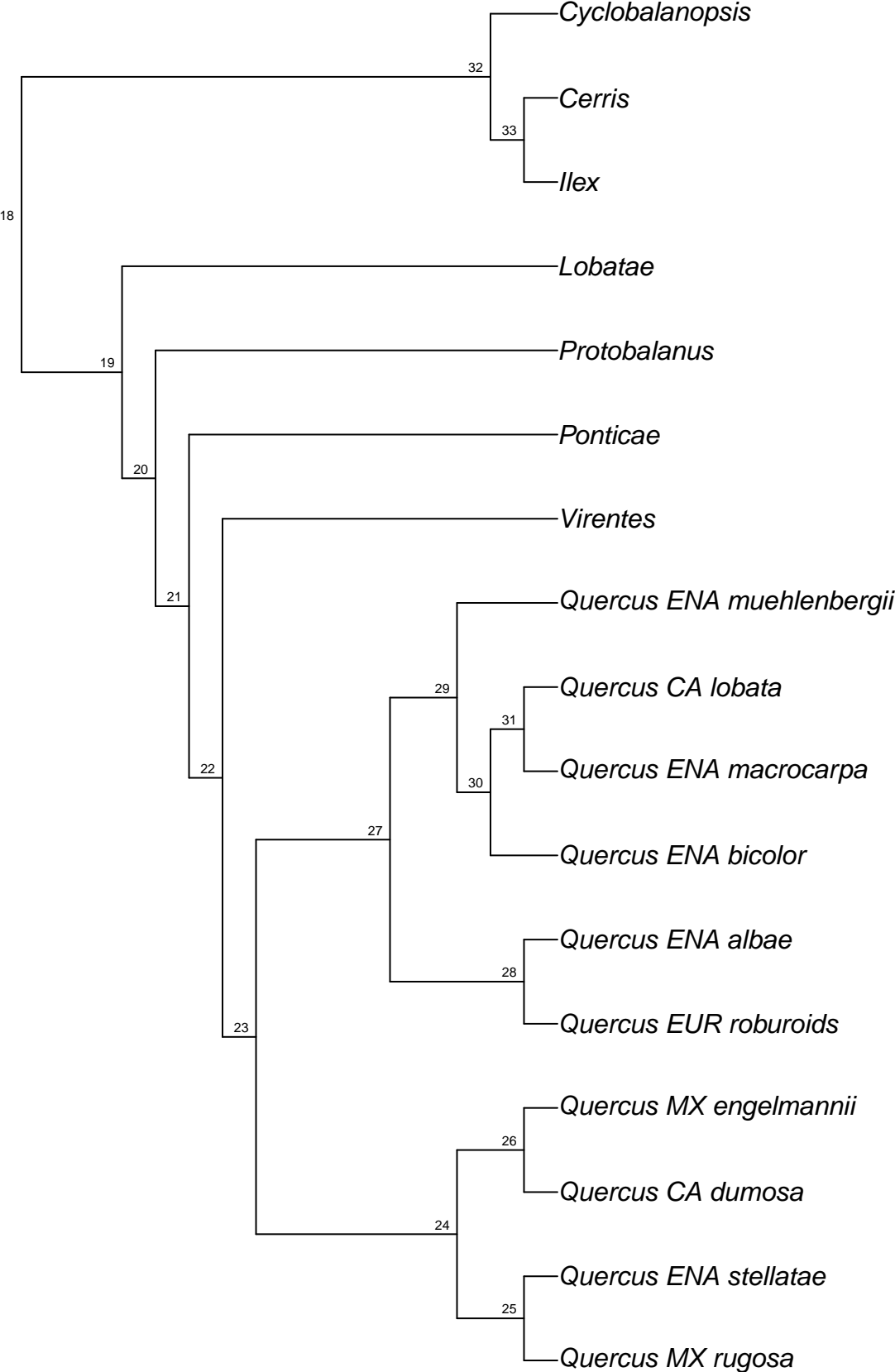
refRAD.ref\_virginiana\_raxml.bt079

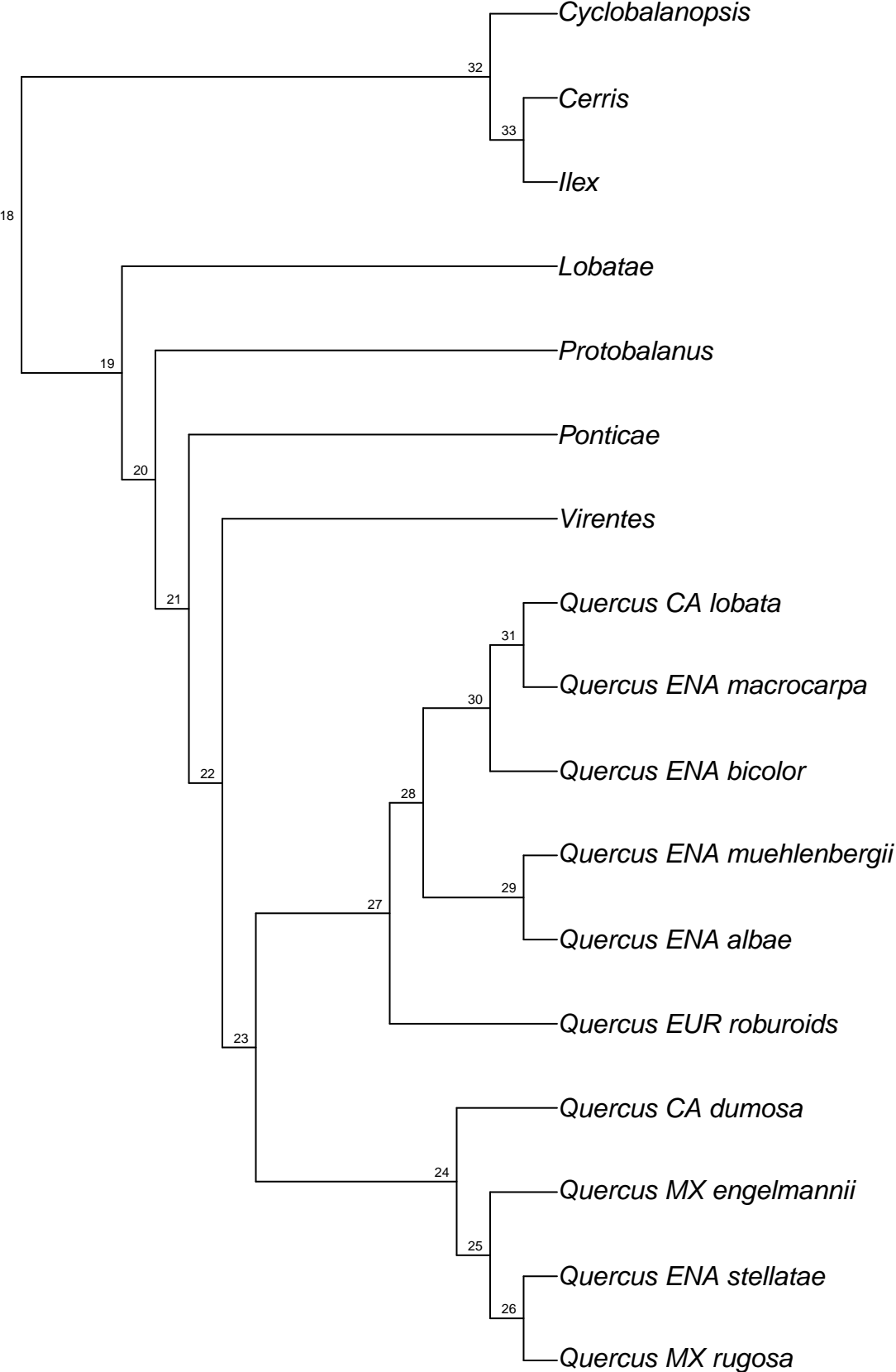


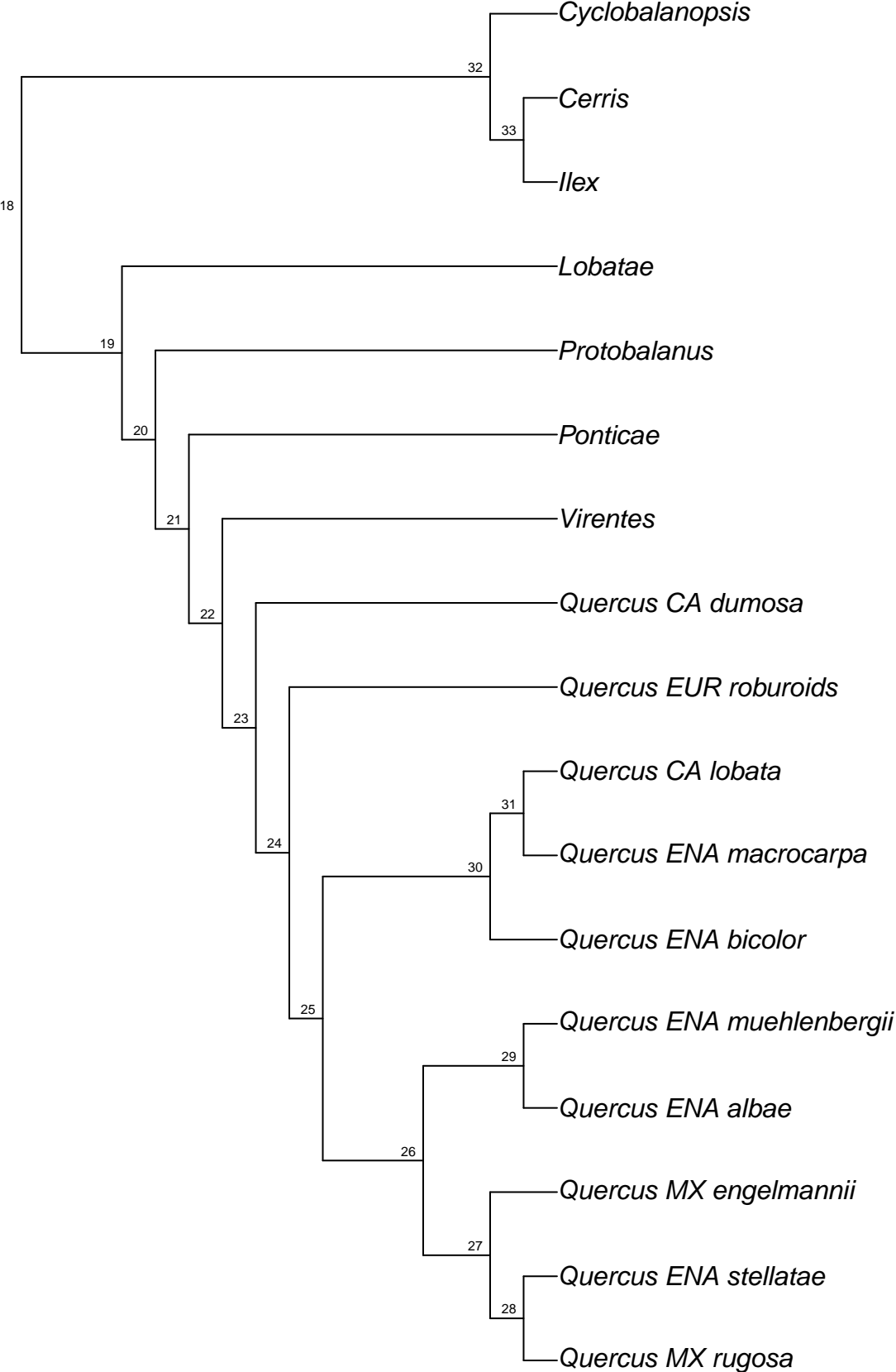
## refRAD.ref\_virginiana\_raxml.bt080



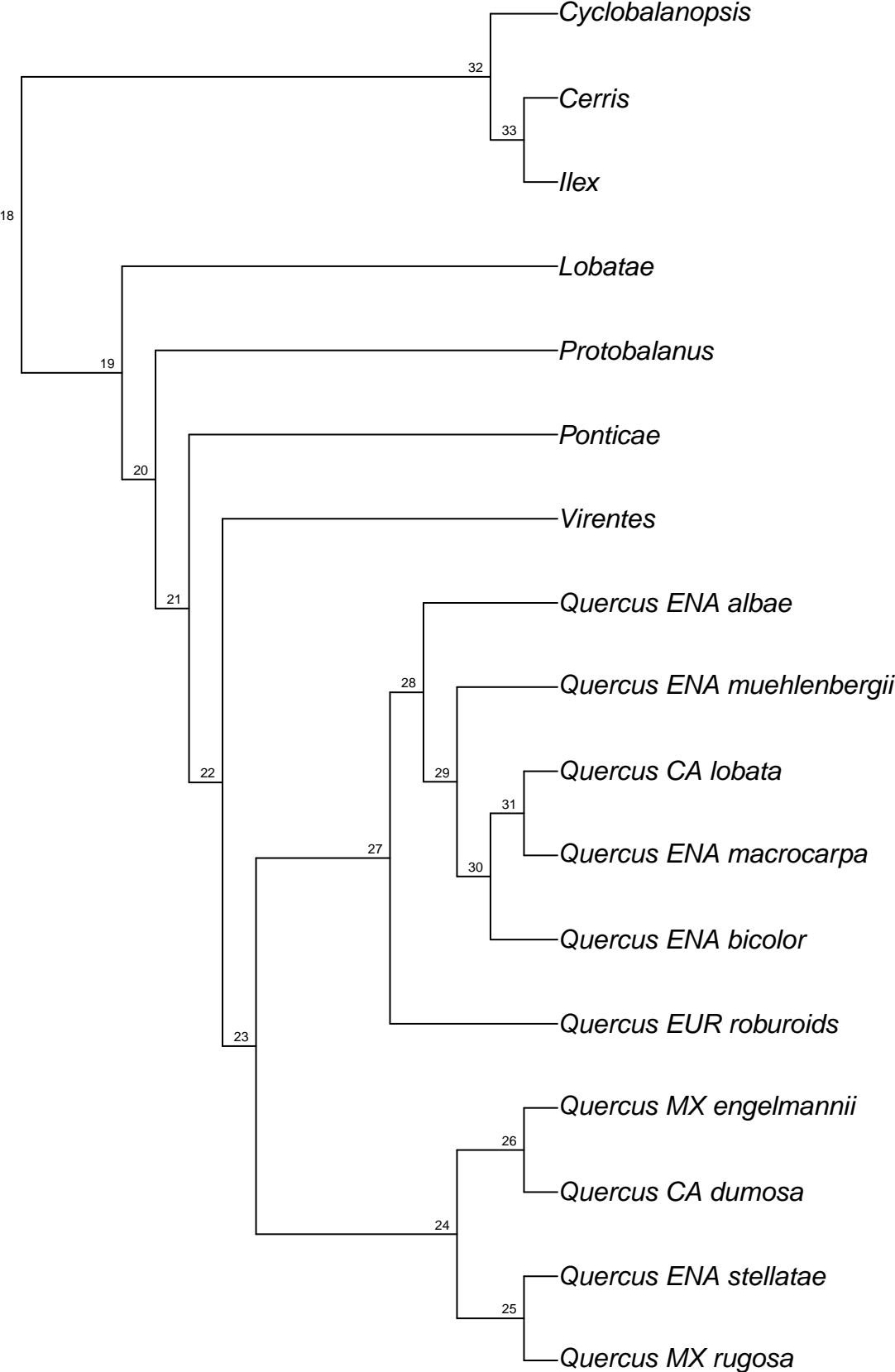




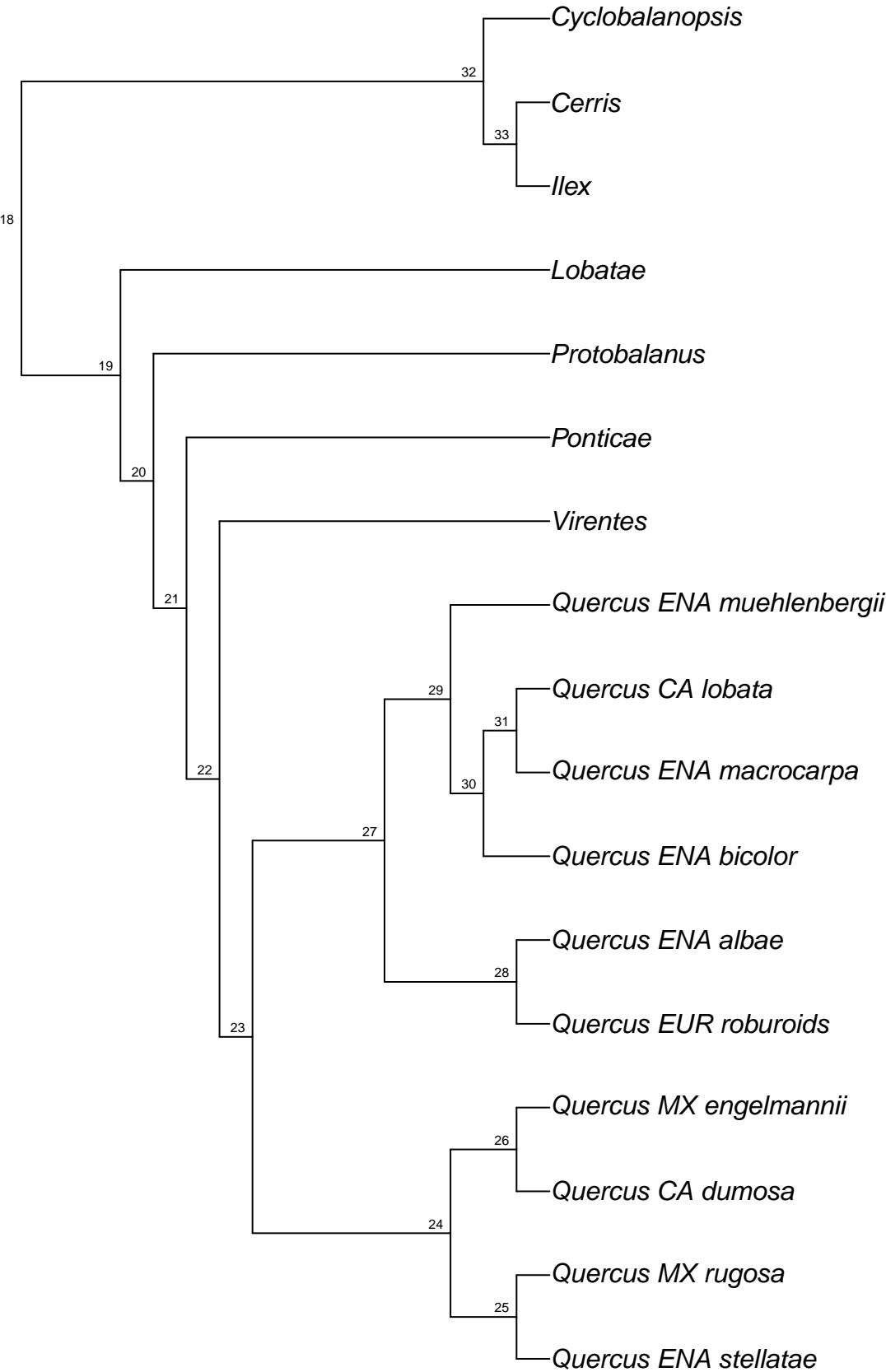


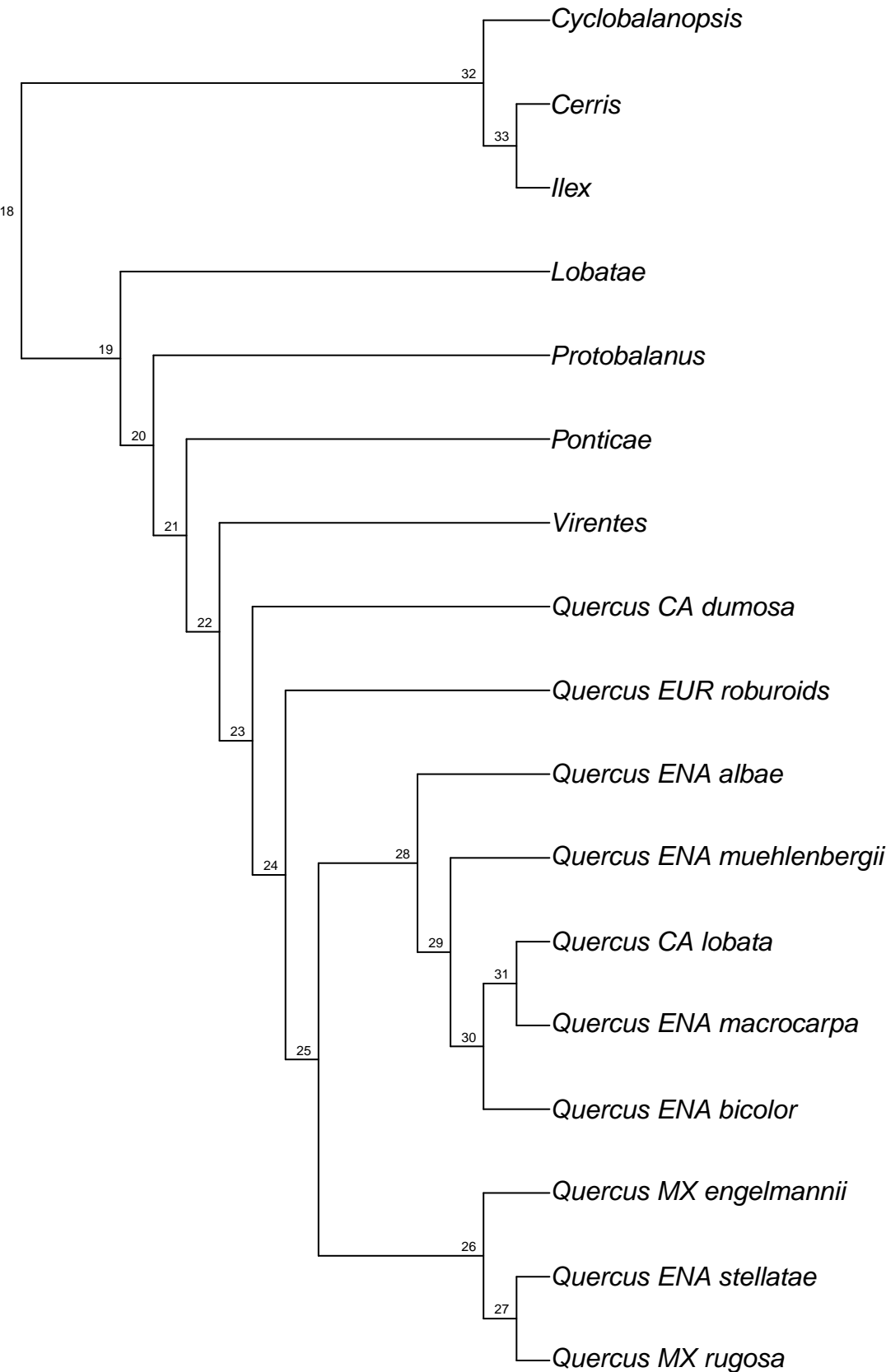


refRAD.ref\_virginiana\_raxml.bt085

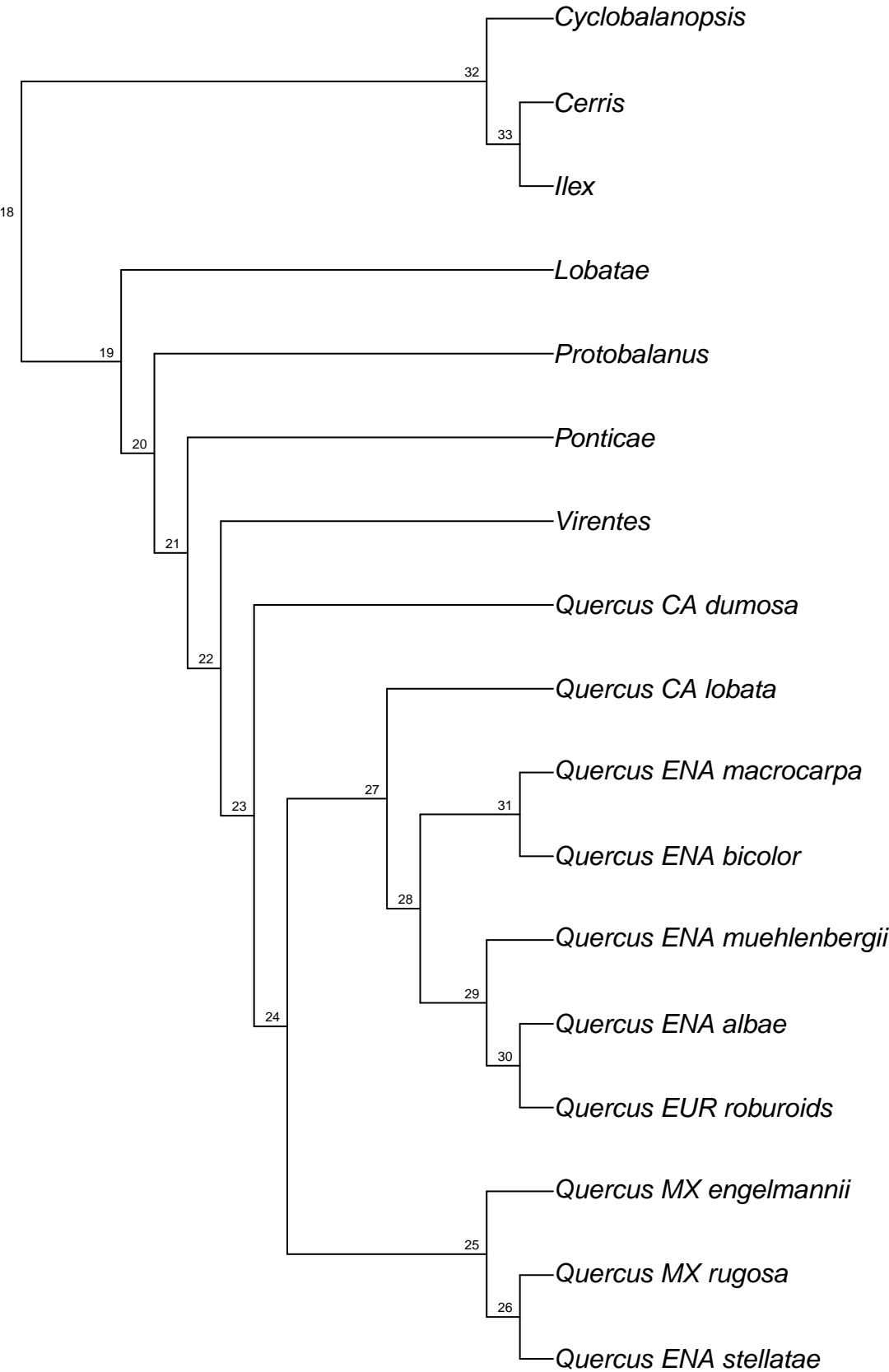


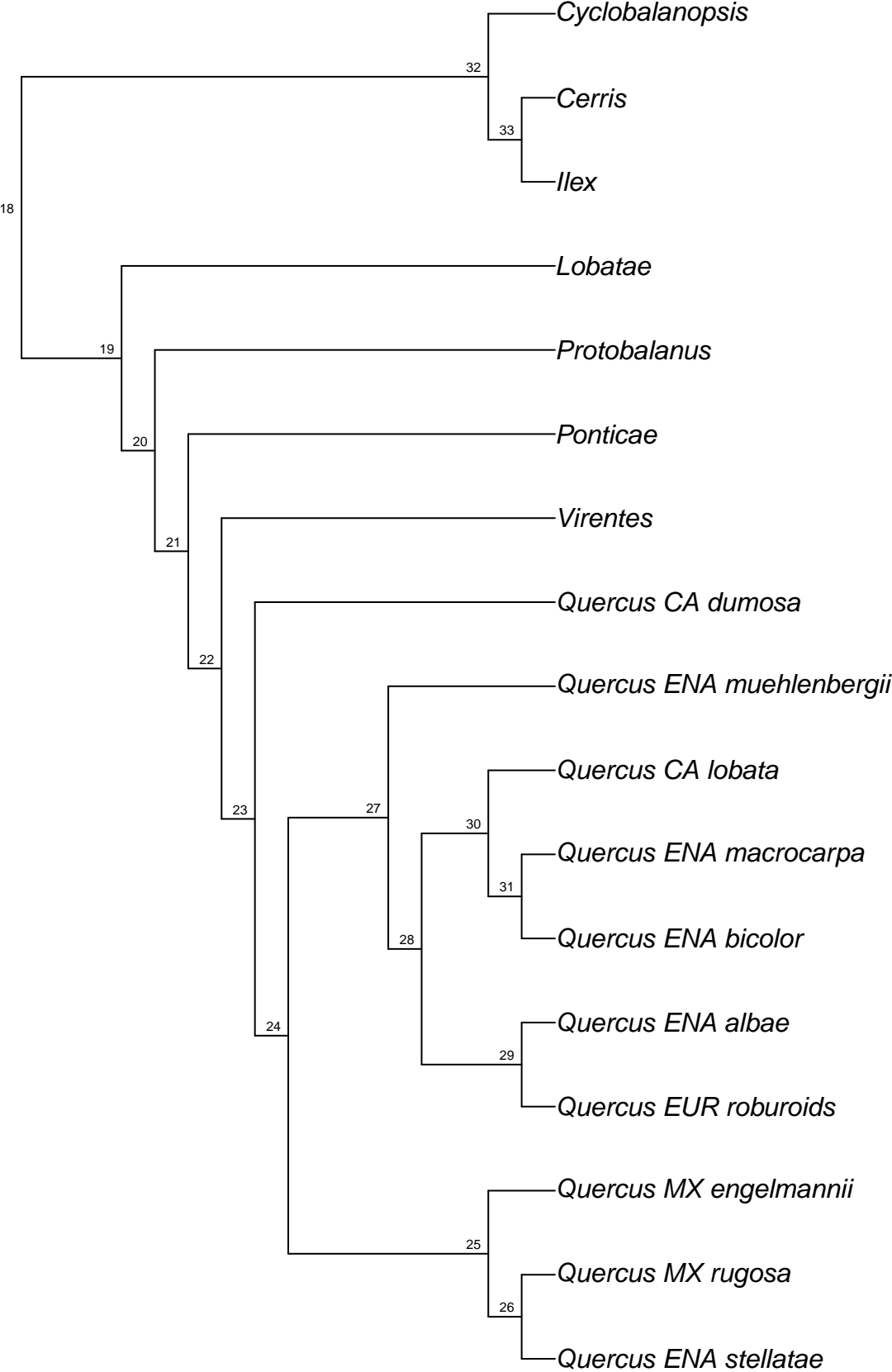


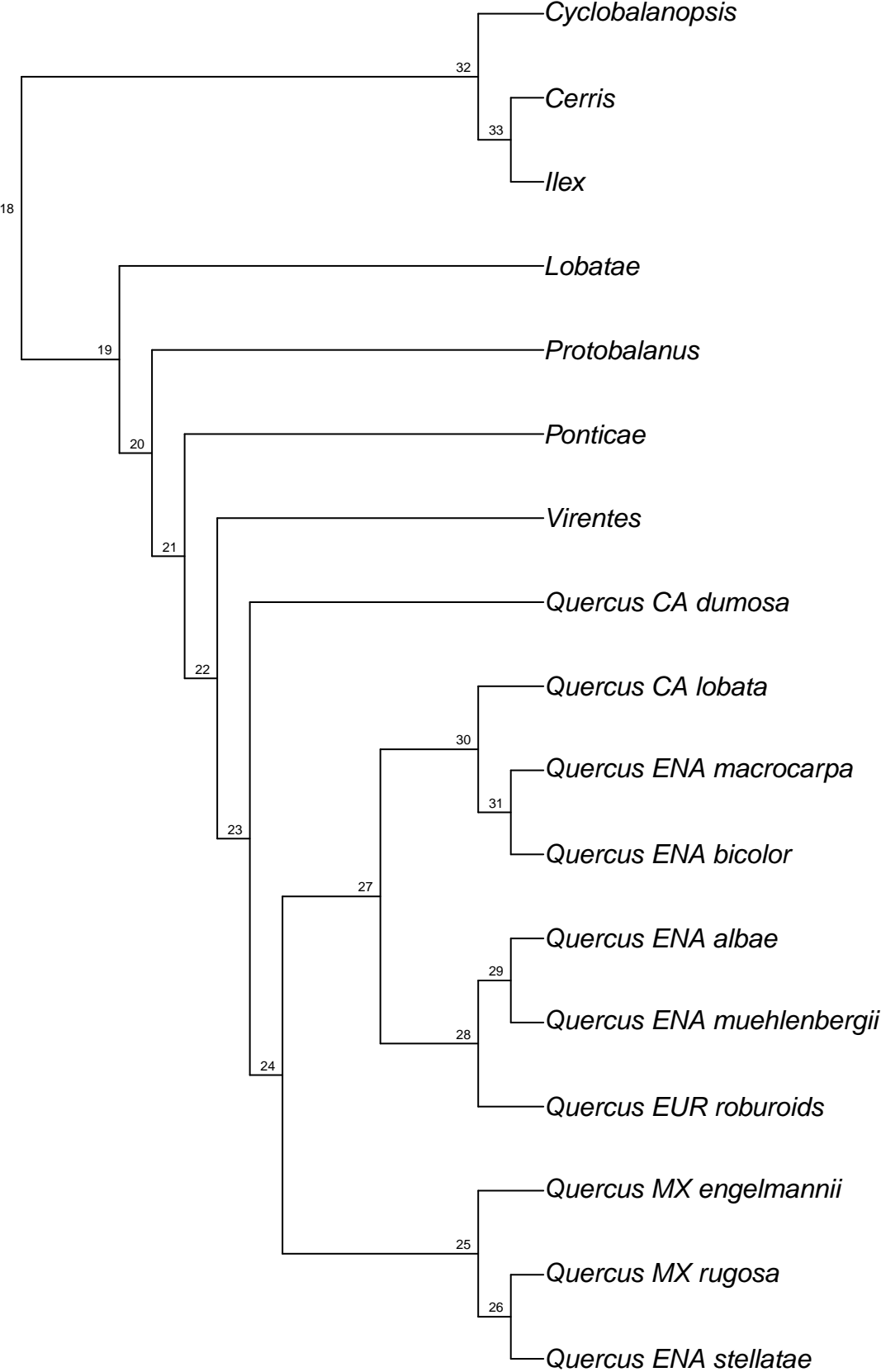




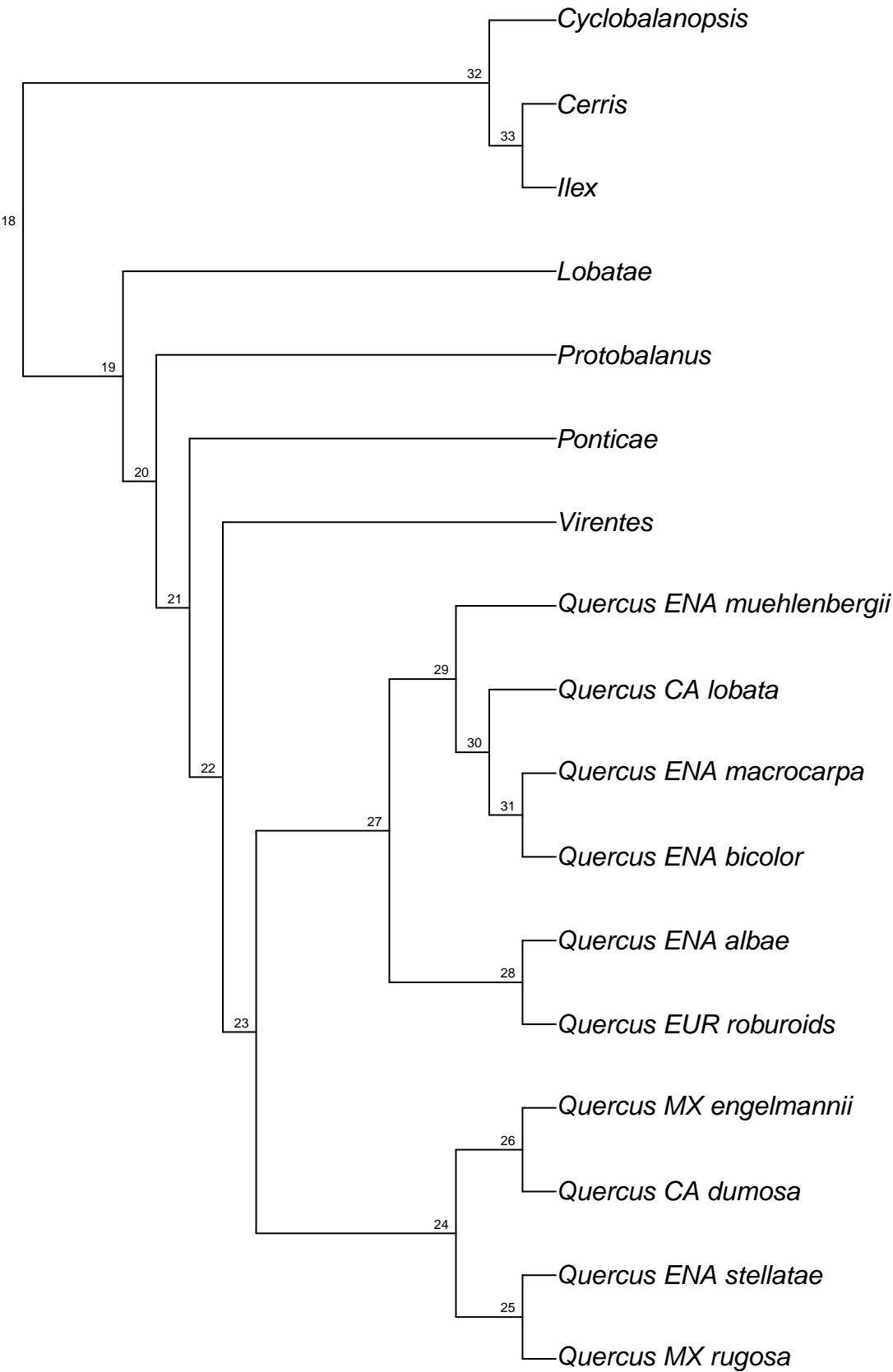
refRAD.ref\_virginiana\_raxml.bt088

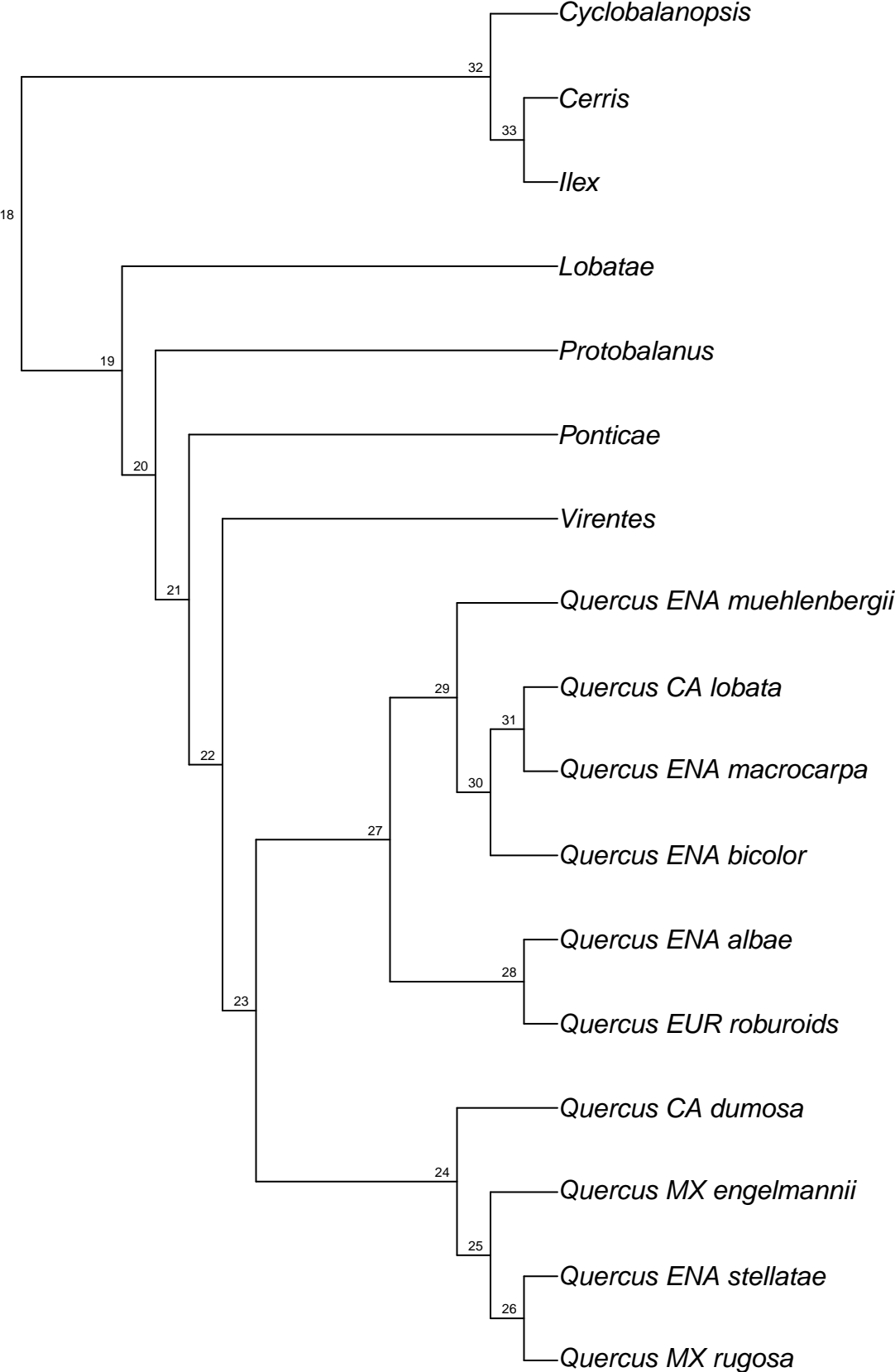




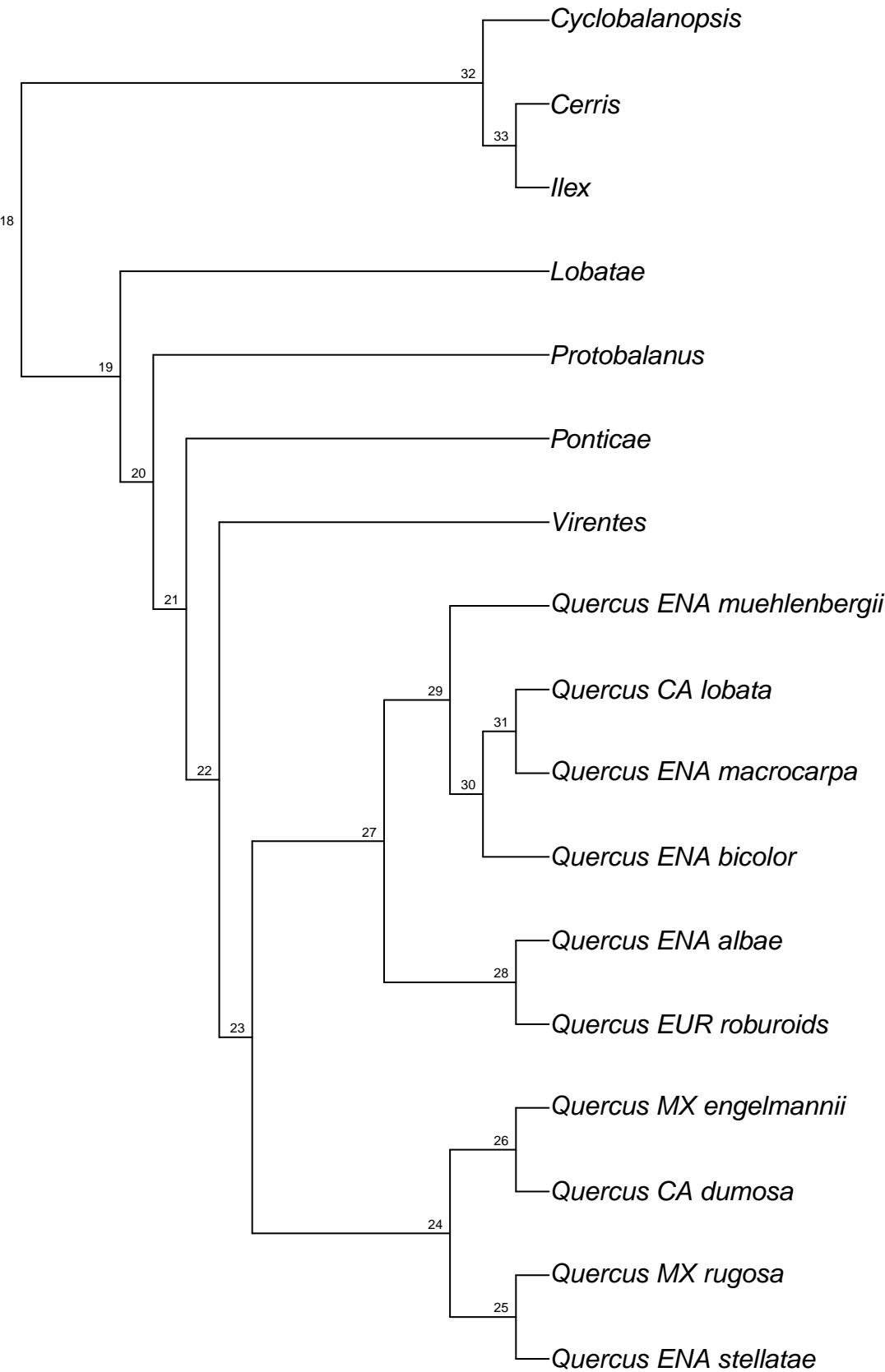


refRAD.ref\_virginiana\_raxml.bt091

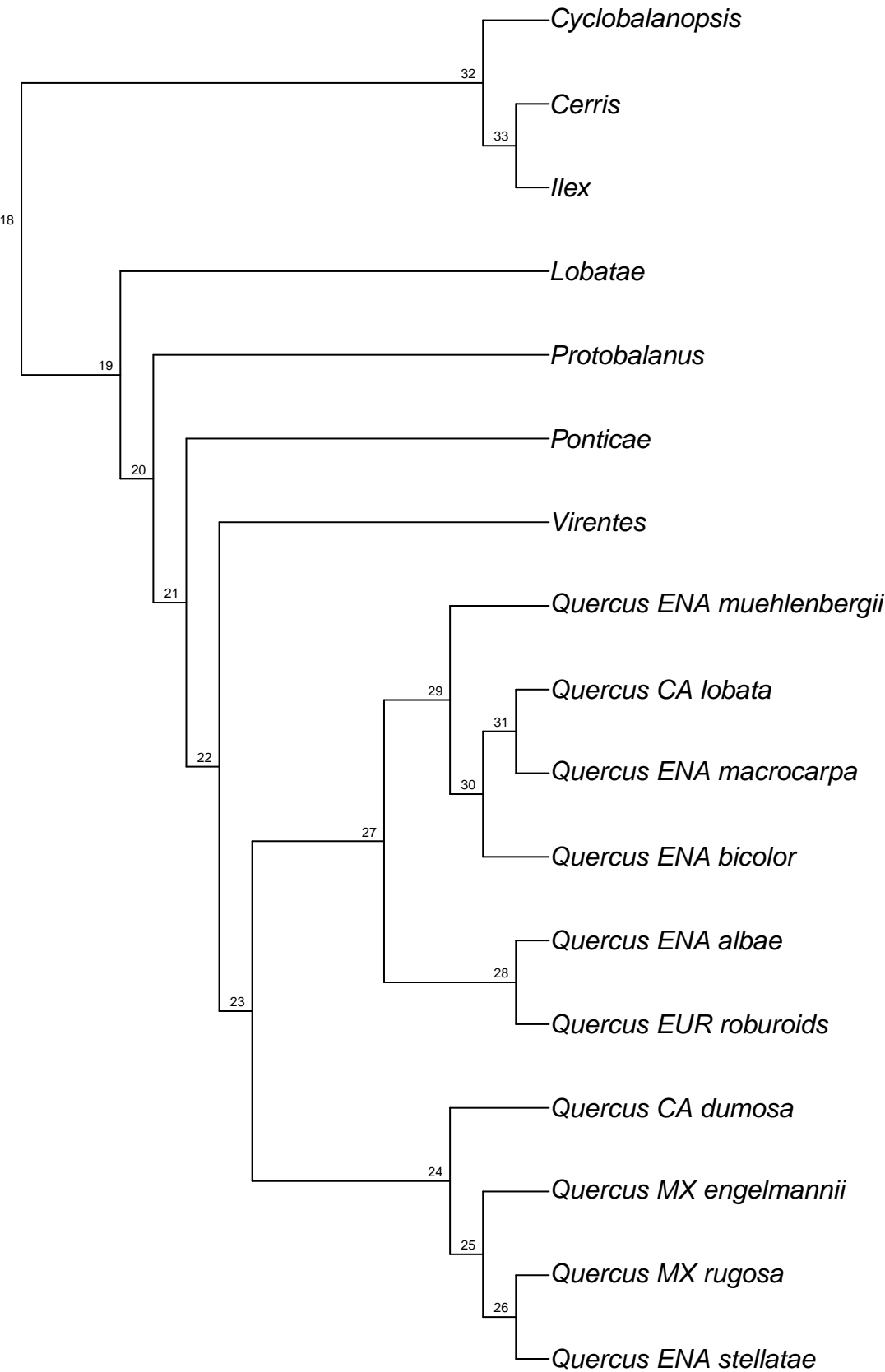




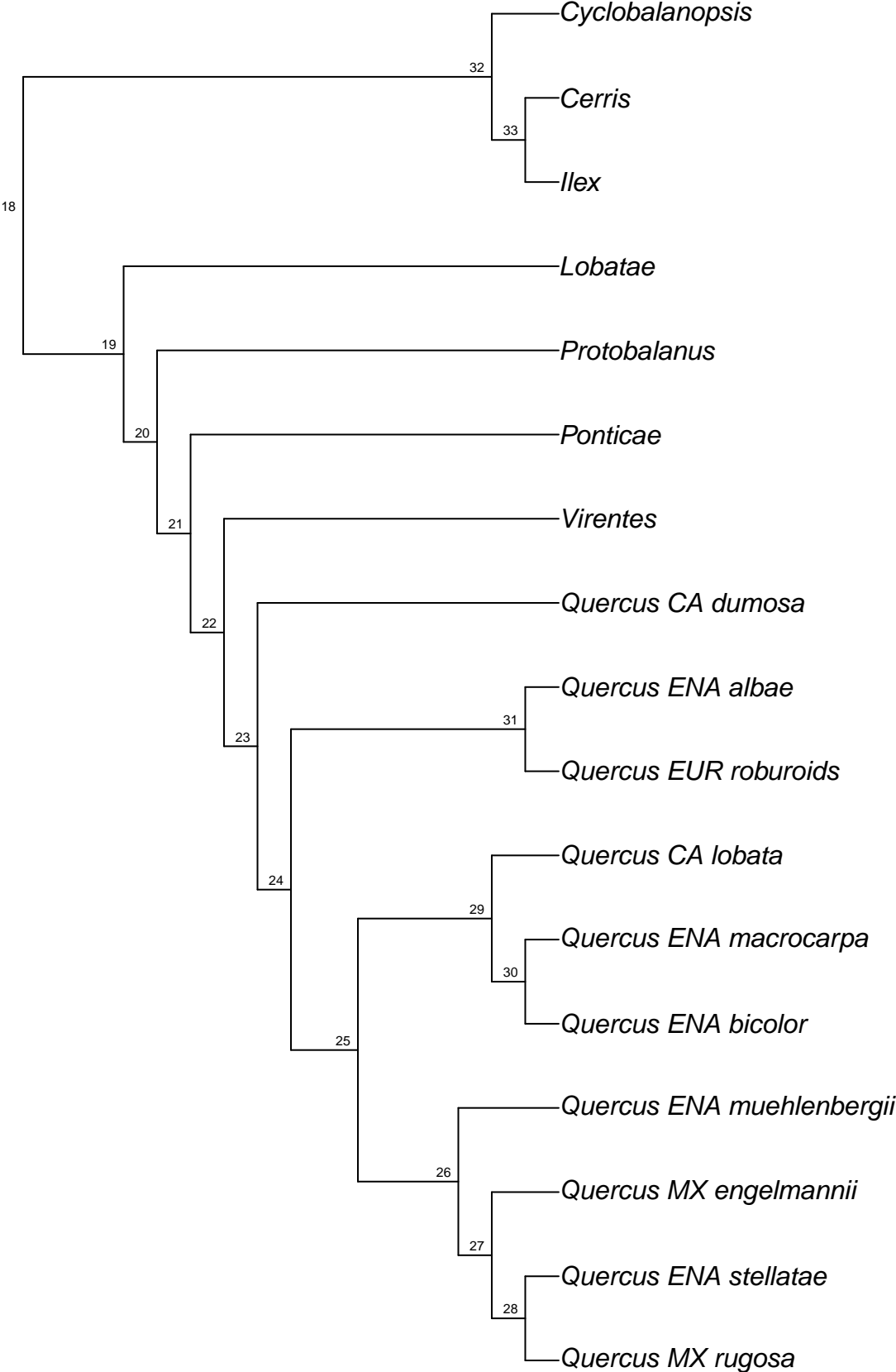
refRAD.ref\_virginiana\_raxml.bt093



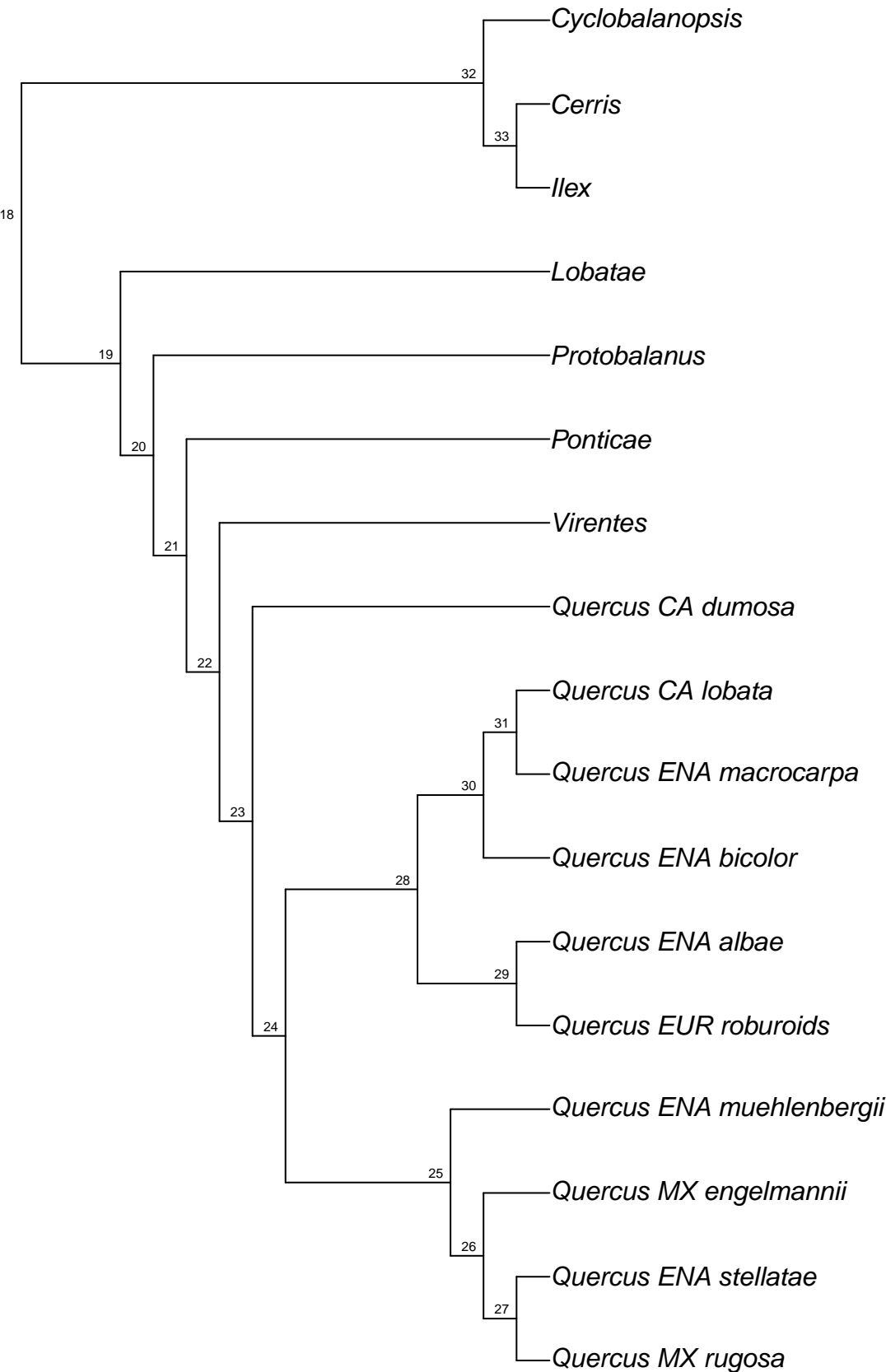




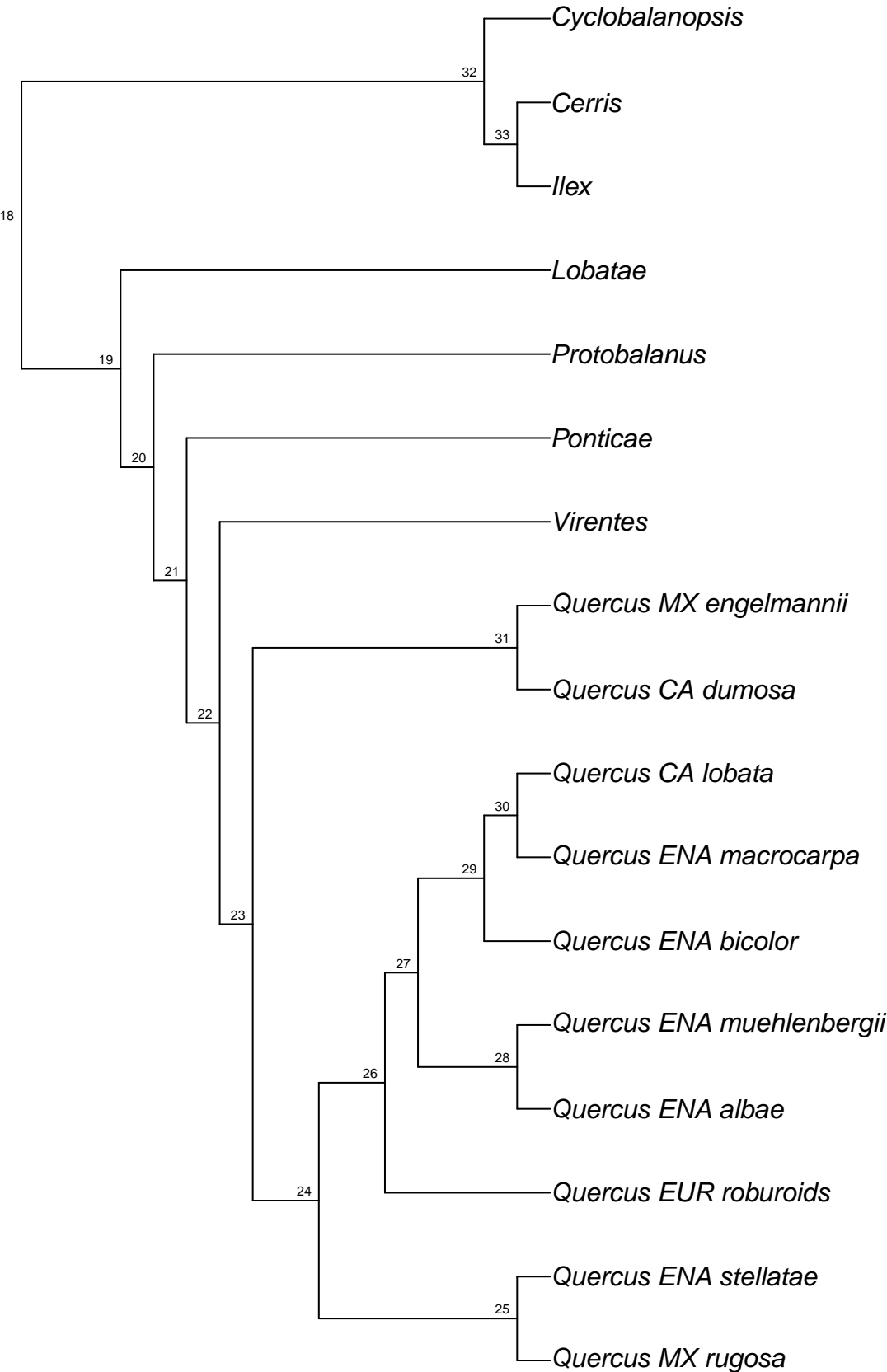
refRAD.ref\_virginiana\_raxml.bt095



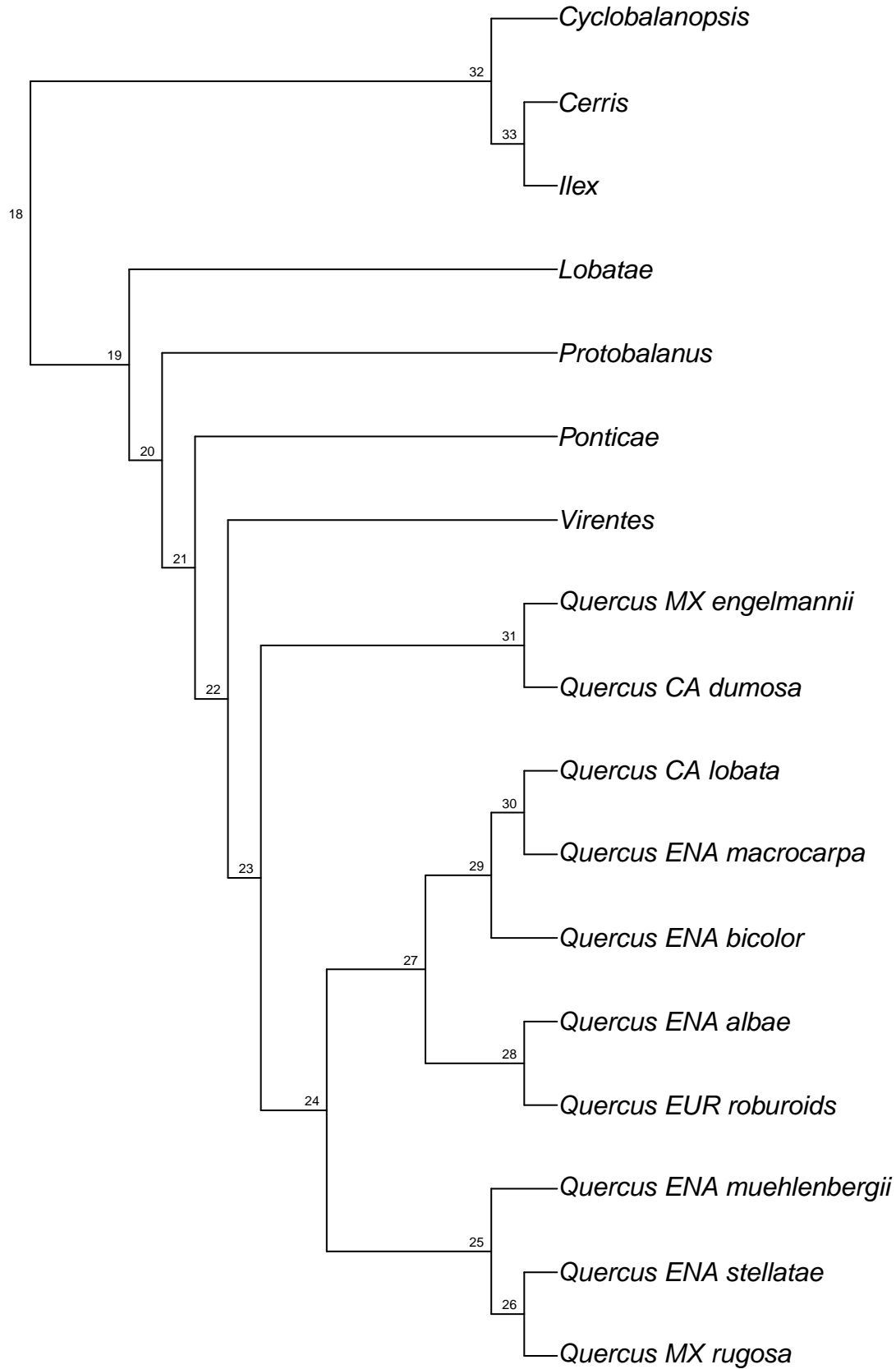
refRAD.ref\_virginiana\_raxml.bt096



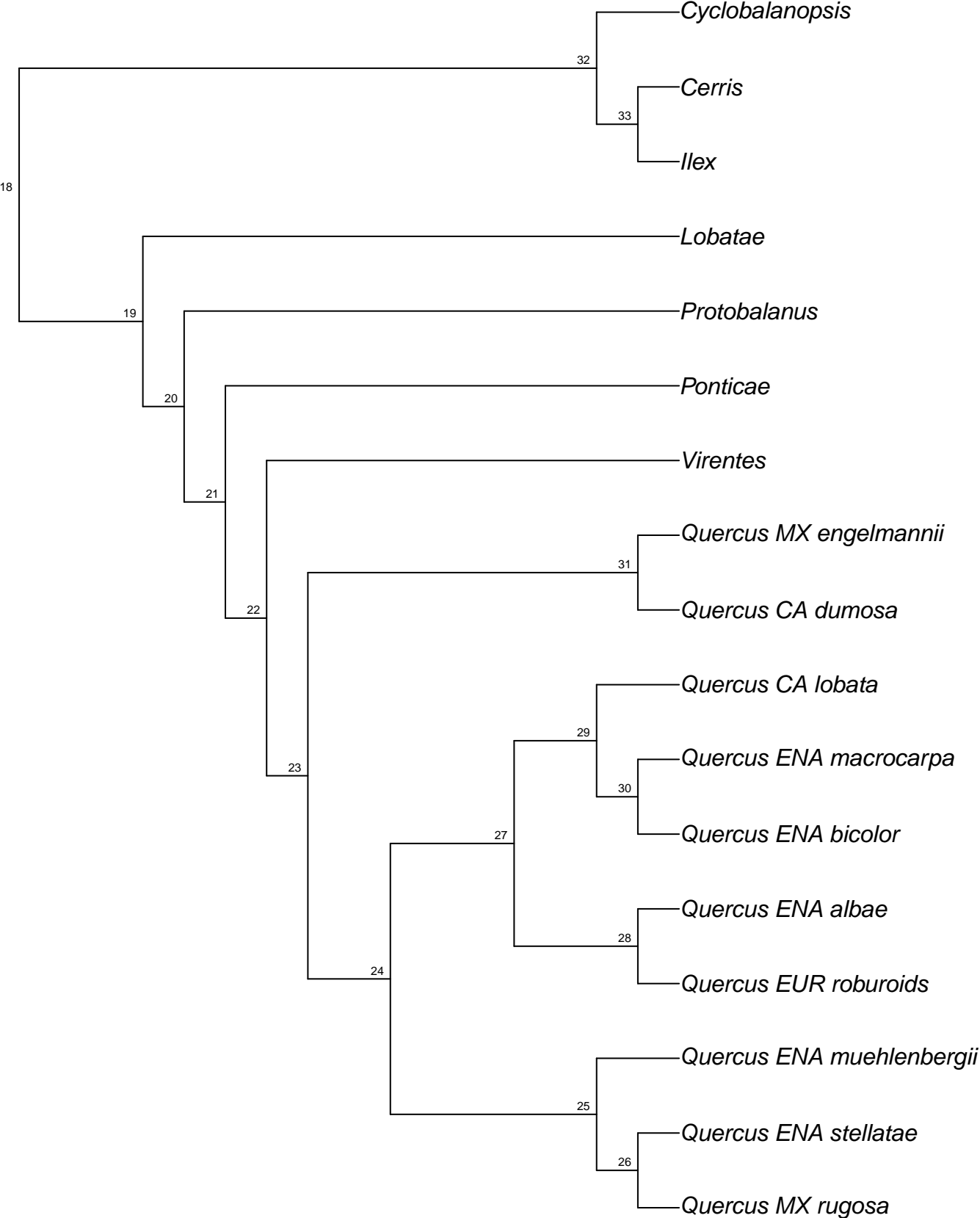
refRAD.ref\_virginiana\_raxml.bt097



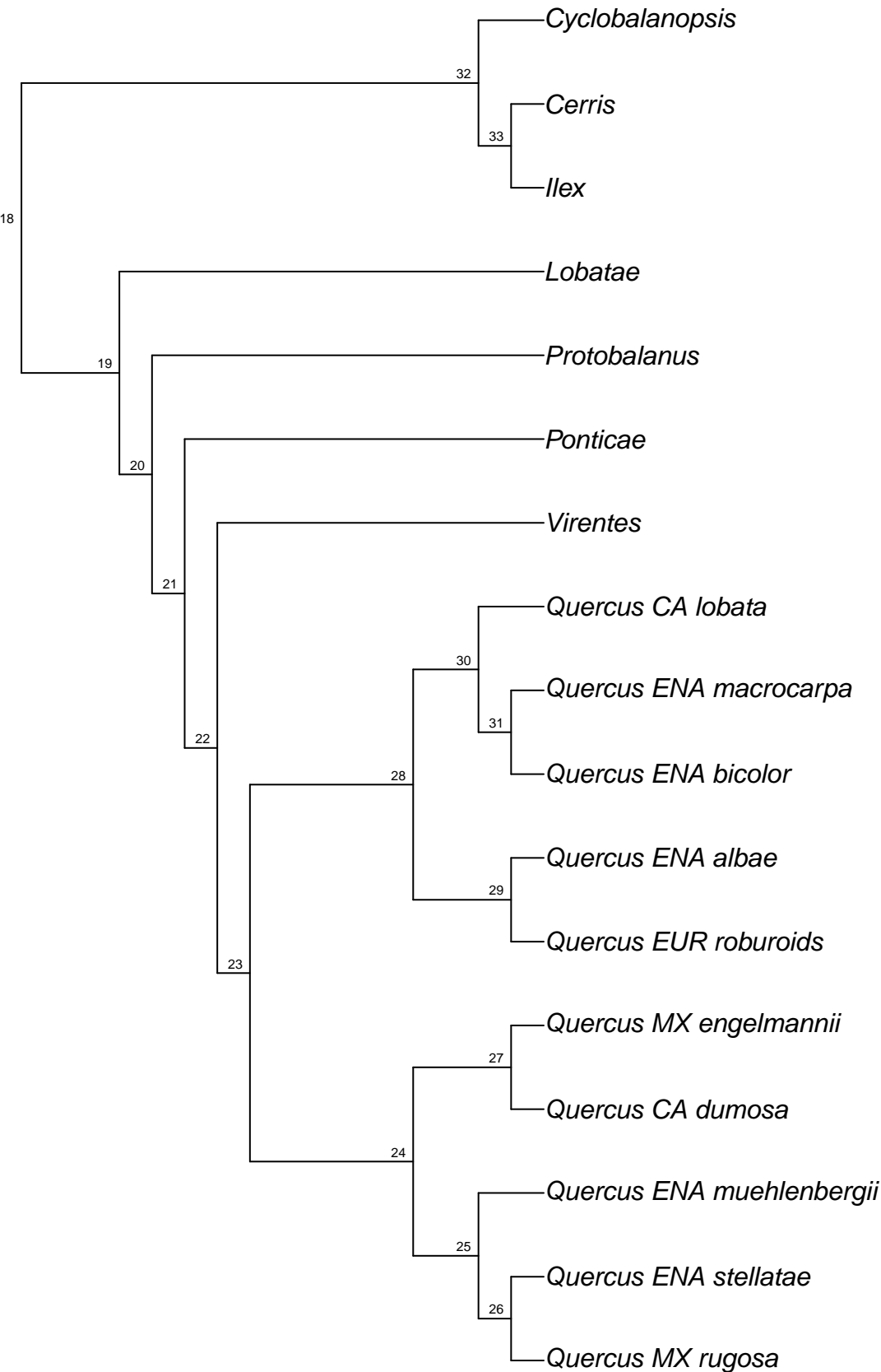
refRAD.ref\_virginiana\_raxml.bt098



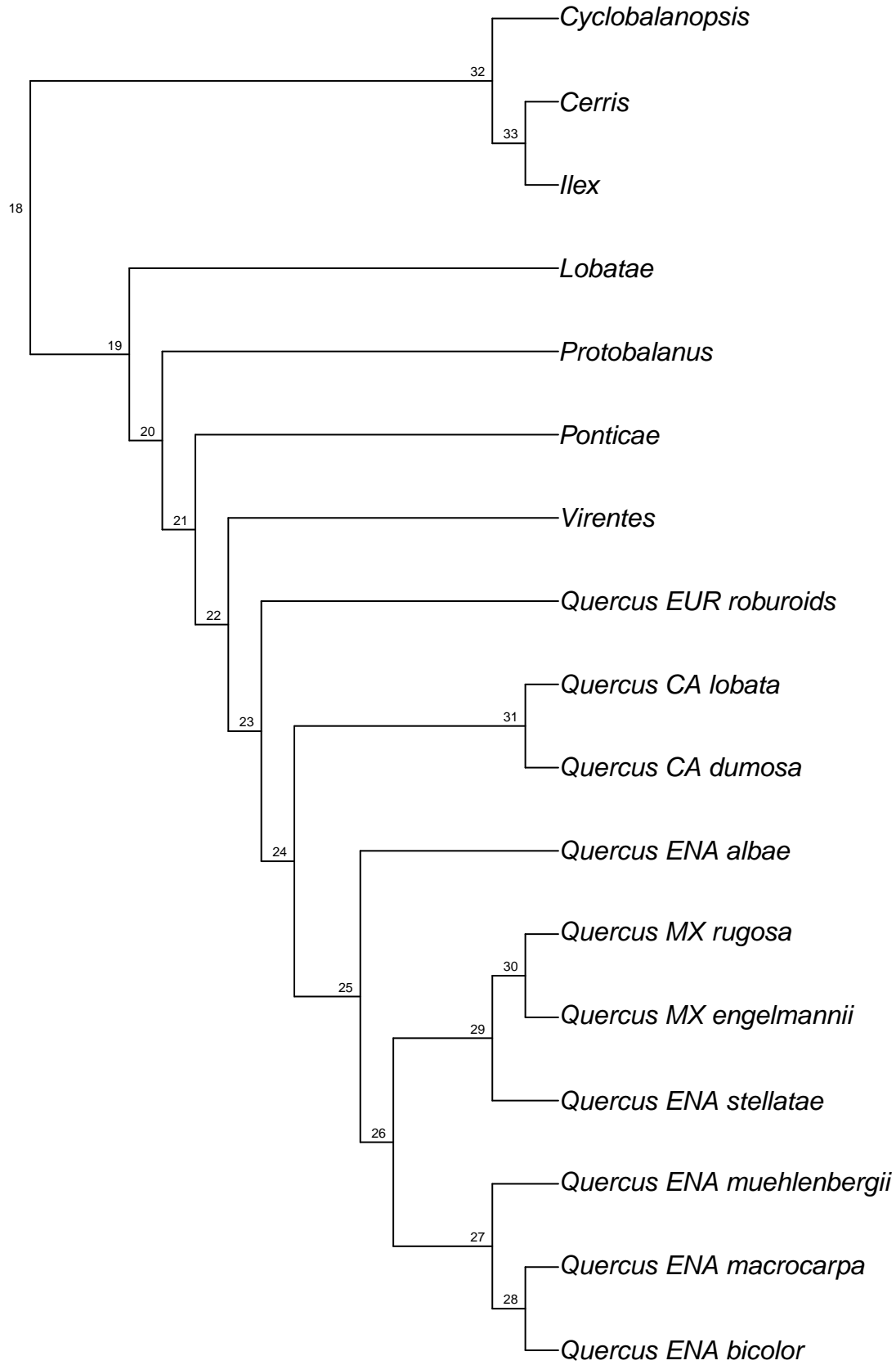
refRAD.ref\_virginiana\_raxml.bt099



refRAD.ref\_virginiana\_raxml.bt100

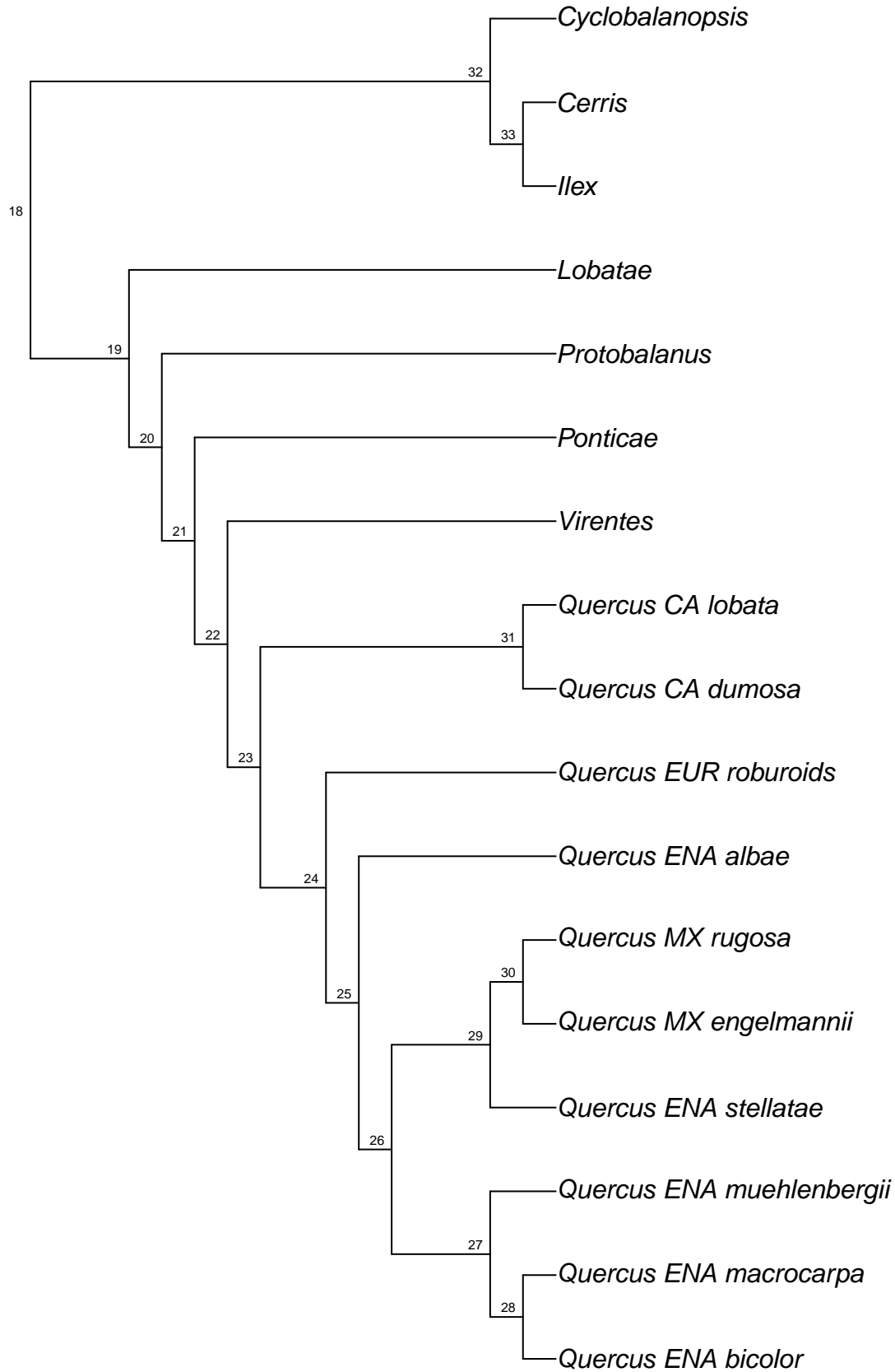


simRAD.simRAD\_Qalba\_raxml.bt001

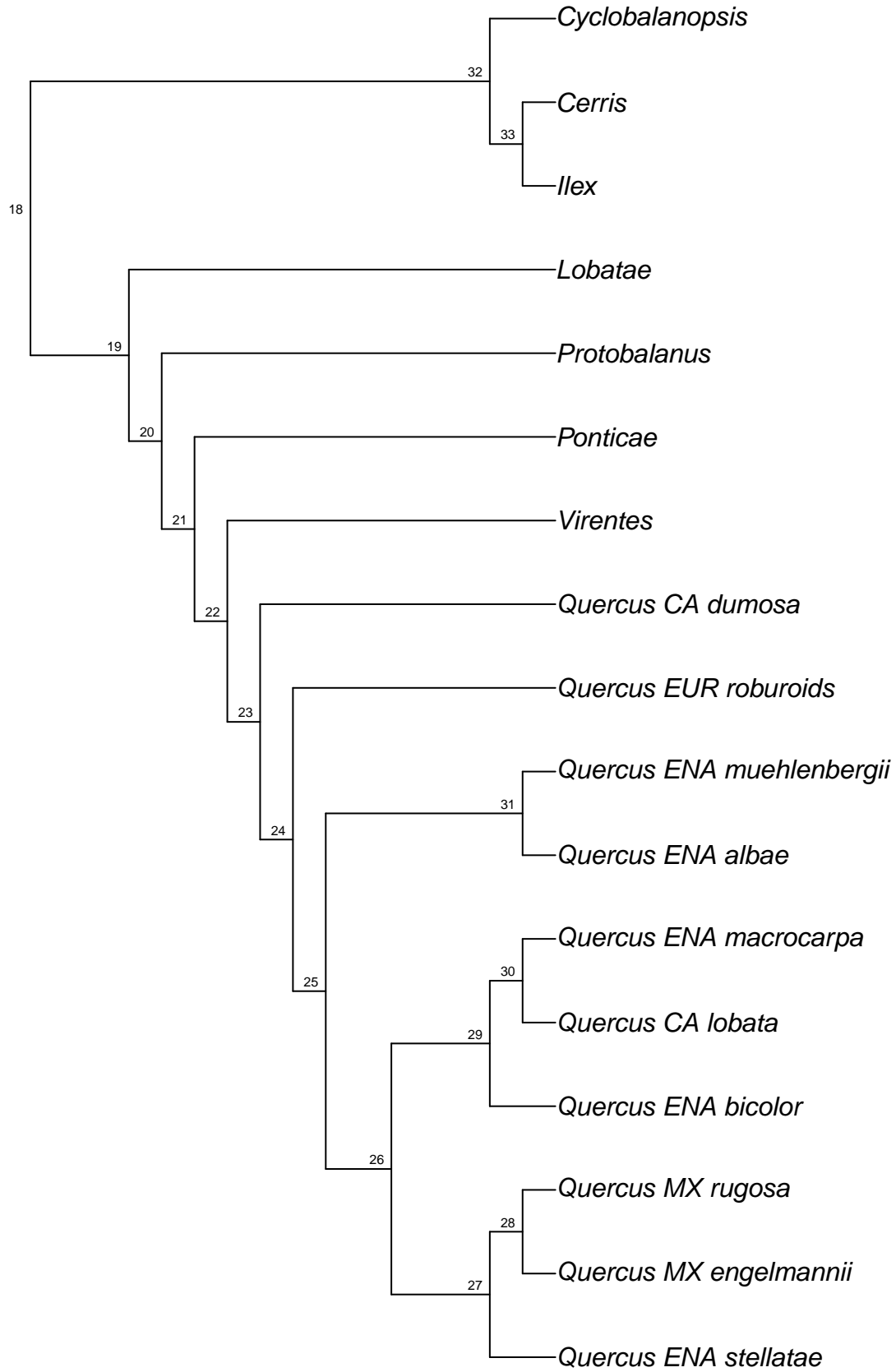




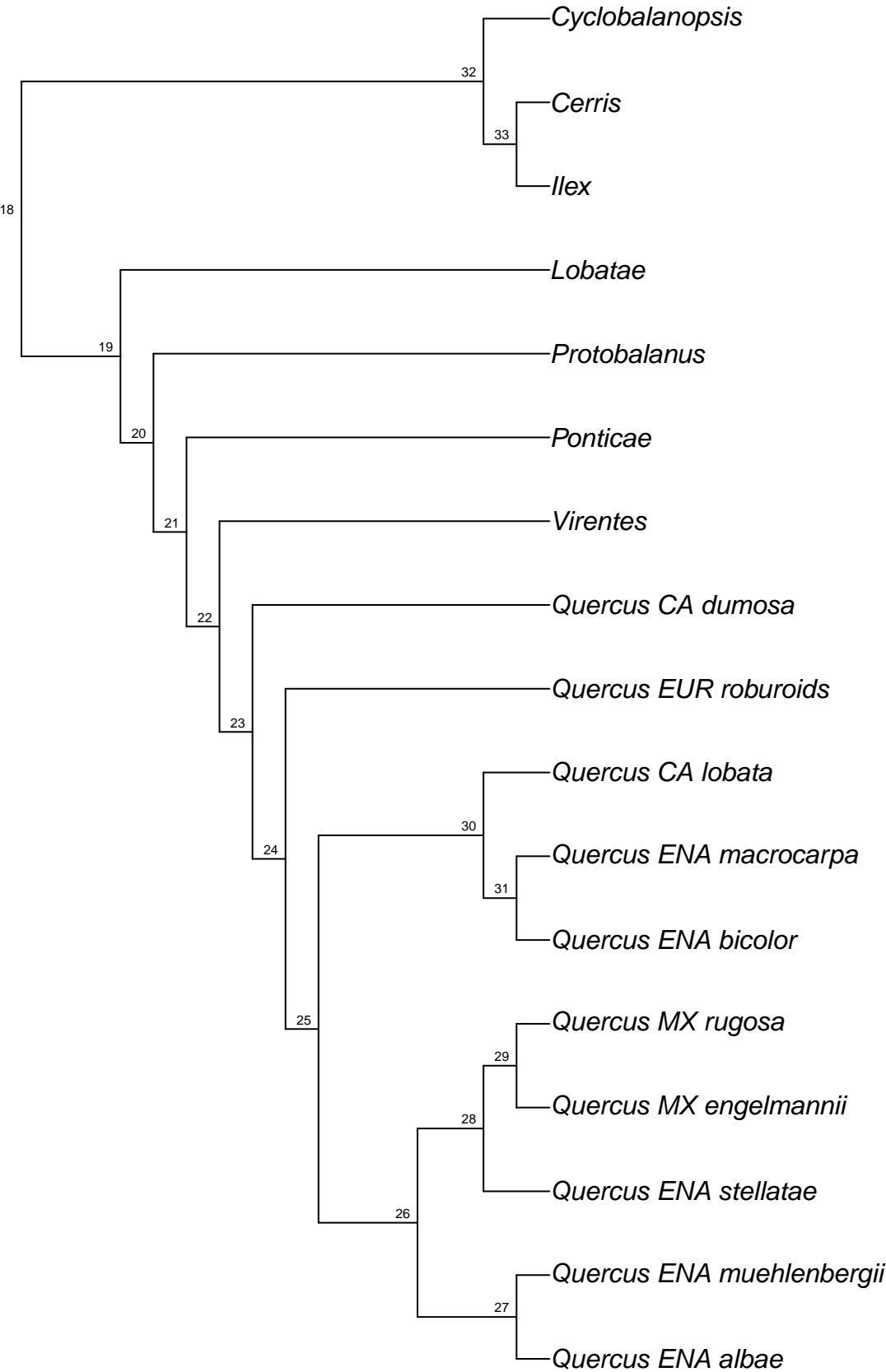
simRAD.simRAD\_Qalba\_raxml.bt002



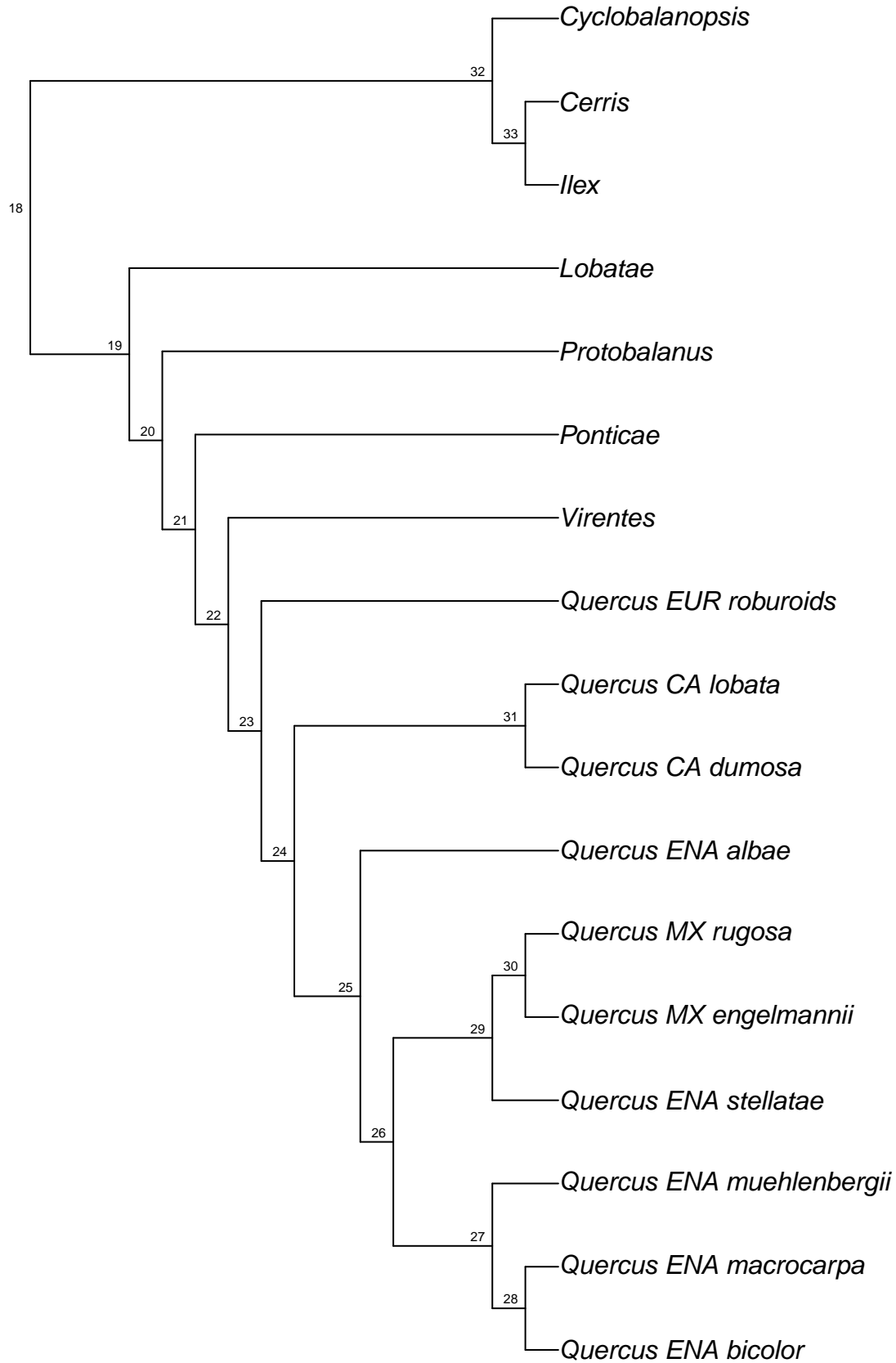
simRAD.simRAD\_Qalba\_raxml.bt003



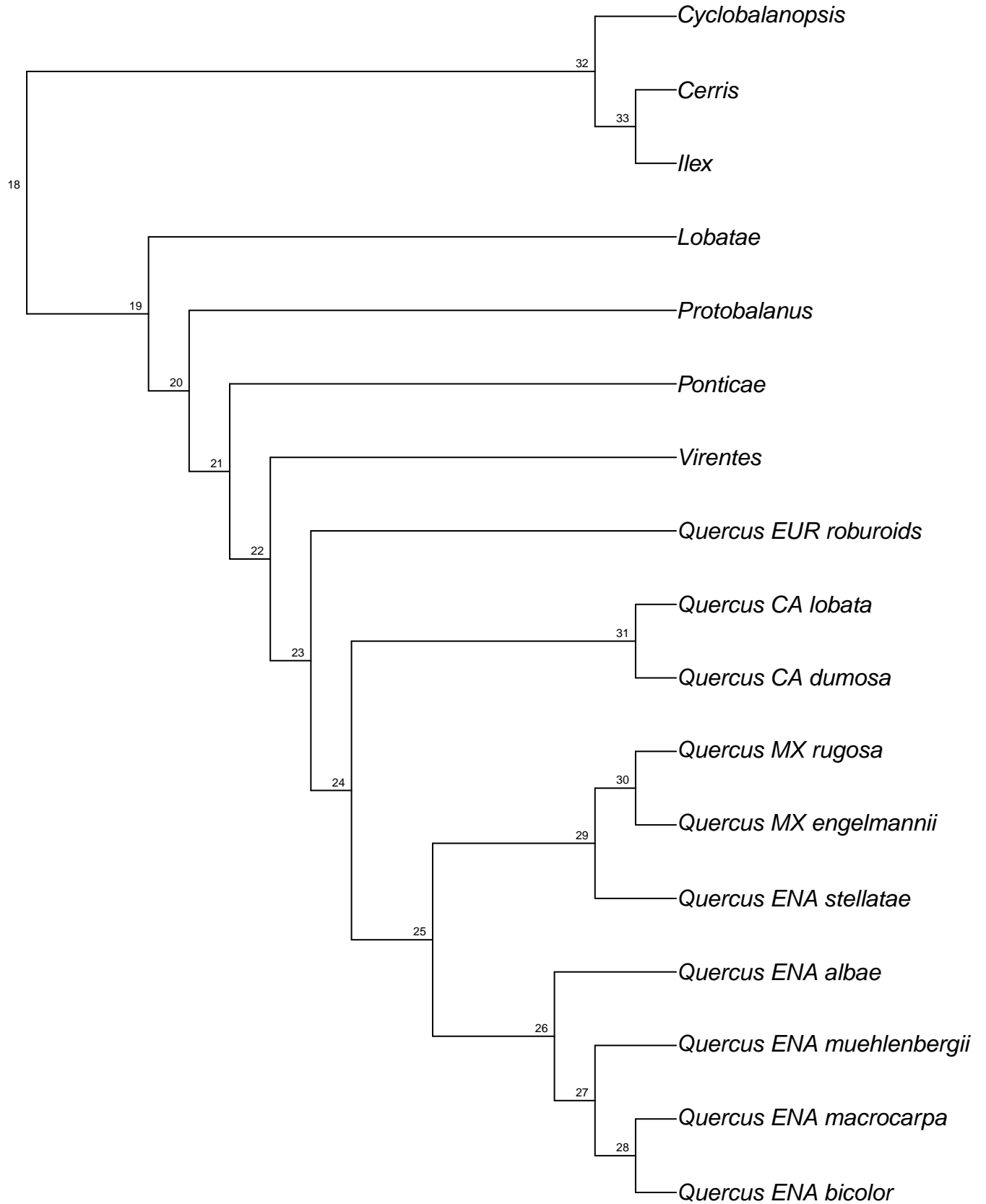
simRAD.simRAD\_Qalba\_raxml.bt004



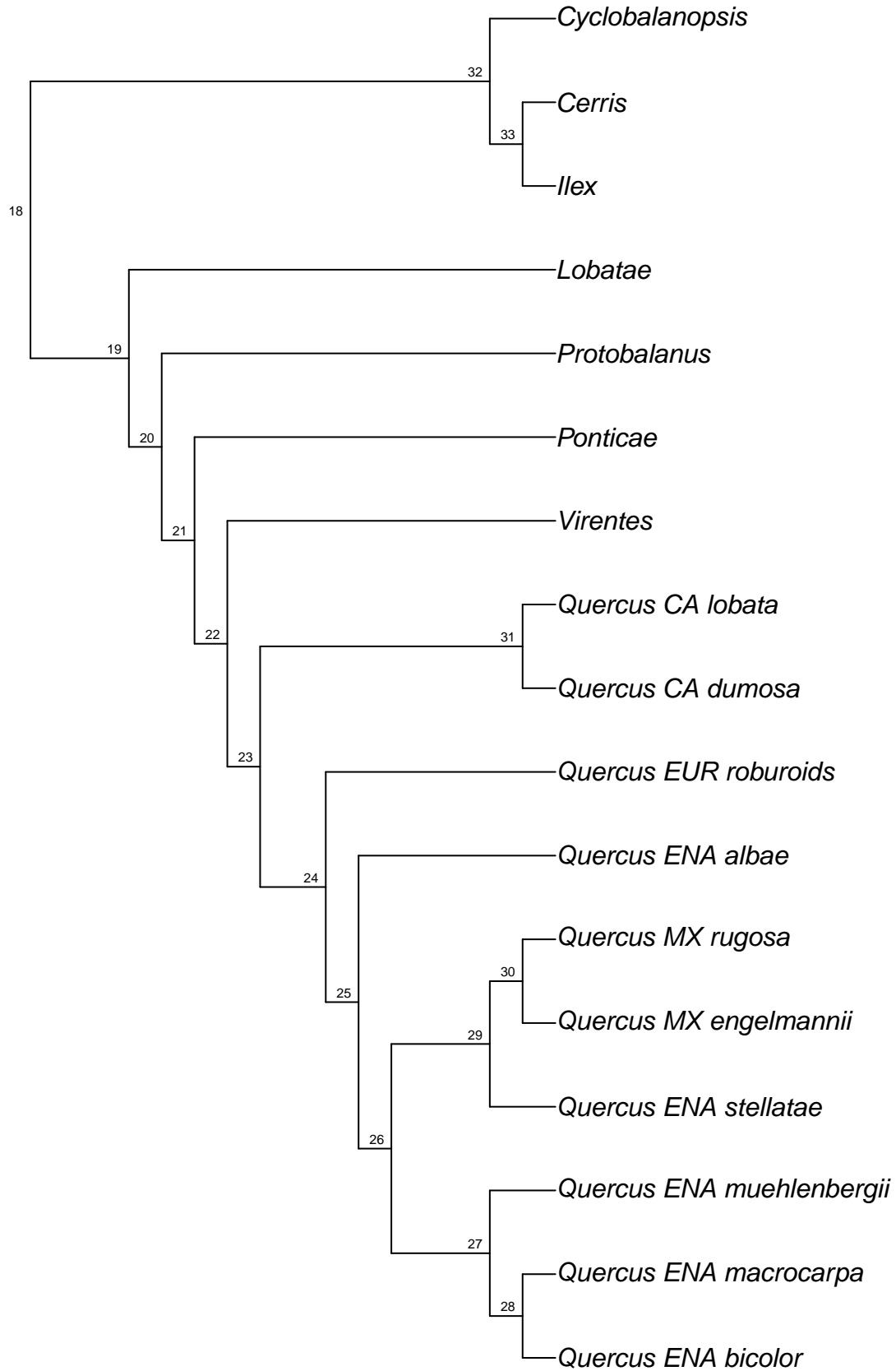
simRAD.simRAD\_Qalba\_raxml.bt005



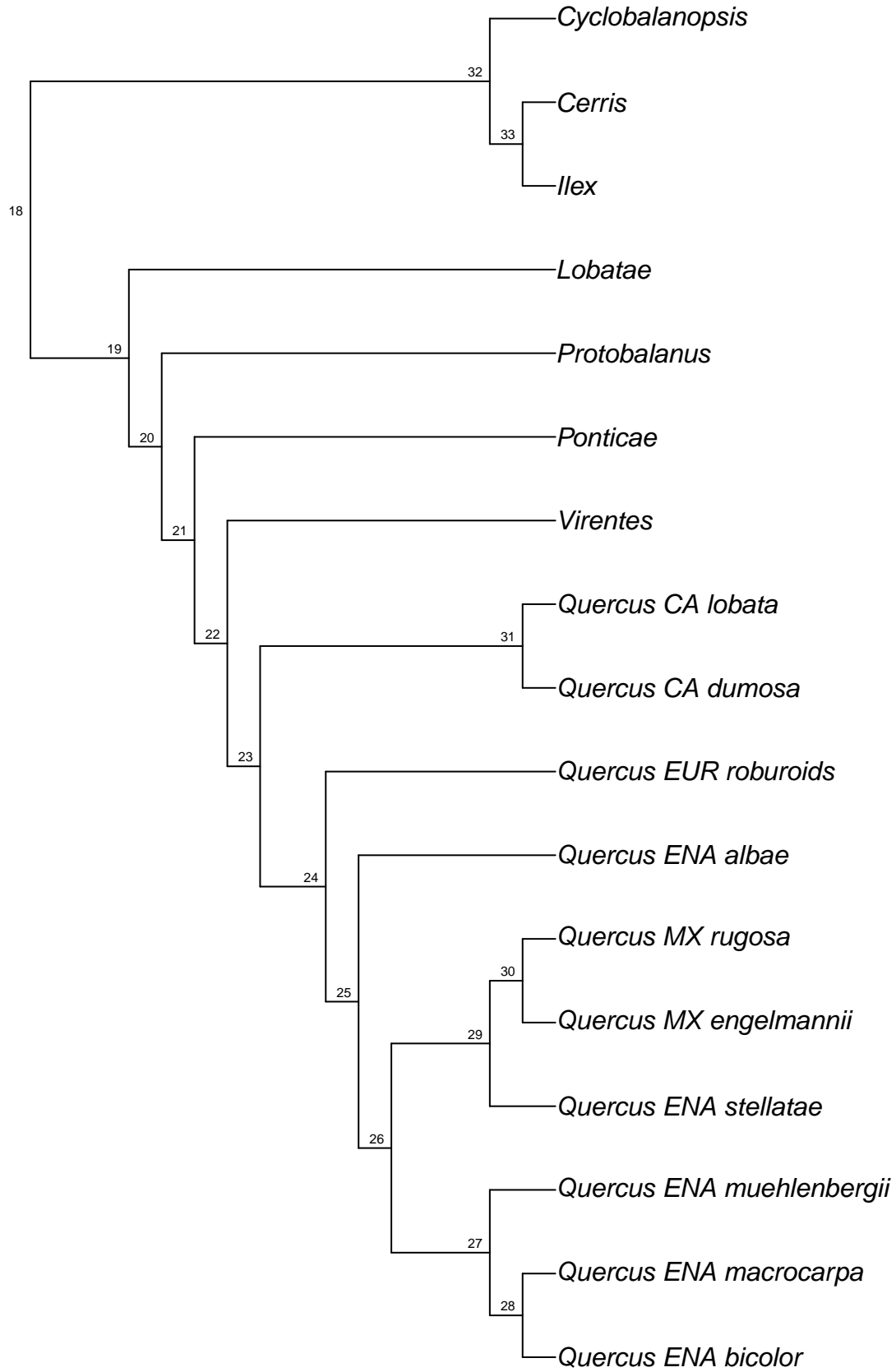
simRAD.simRAD\_Qalba\_raxml.bt006



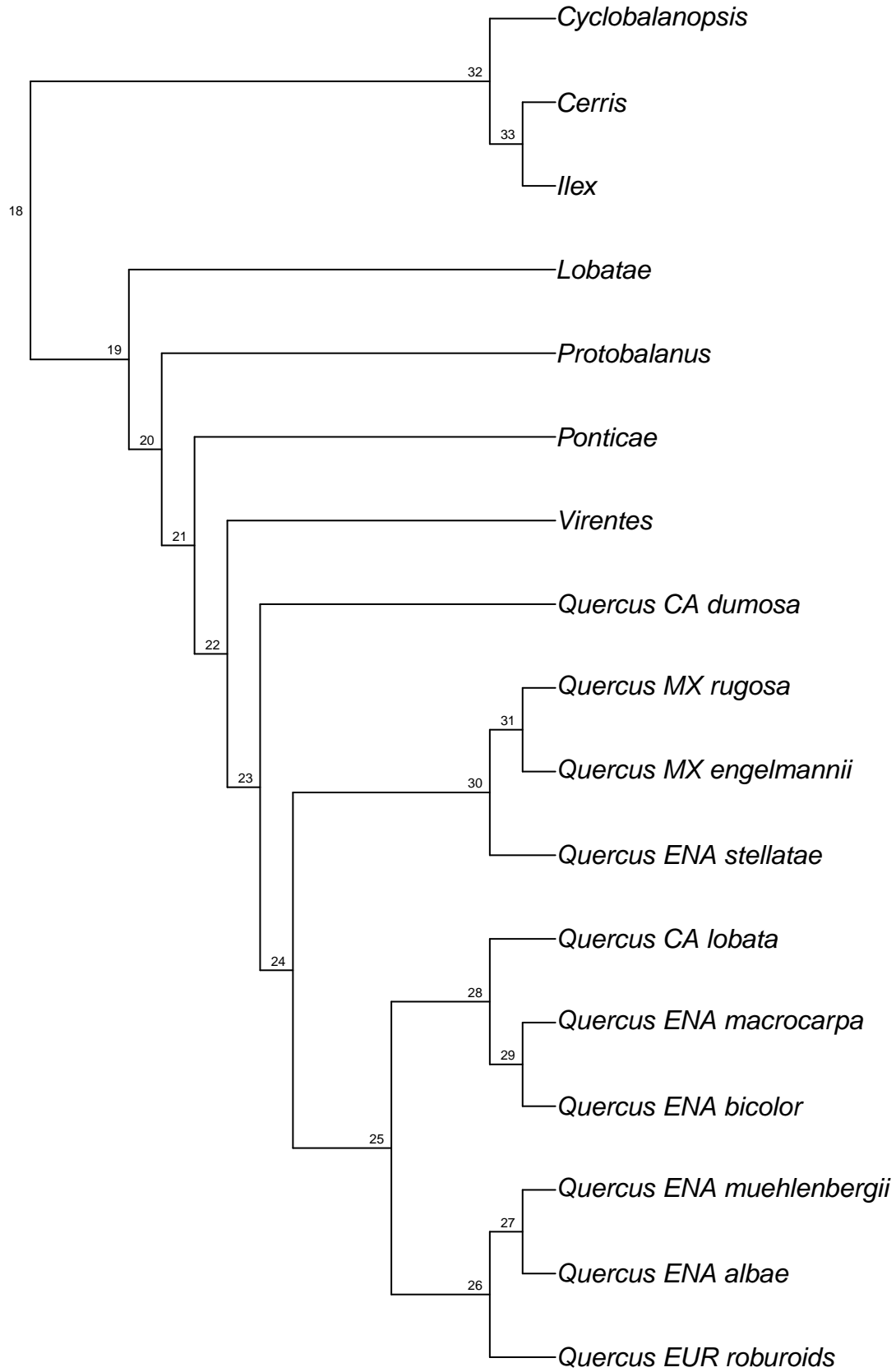
simRAD.simRAD\_Qalba\_raxml.bt007



simRAD.simRAD\_Qalba\_raxml.bt008

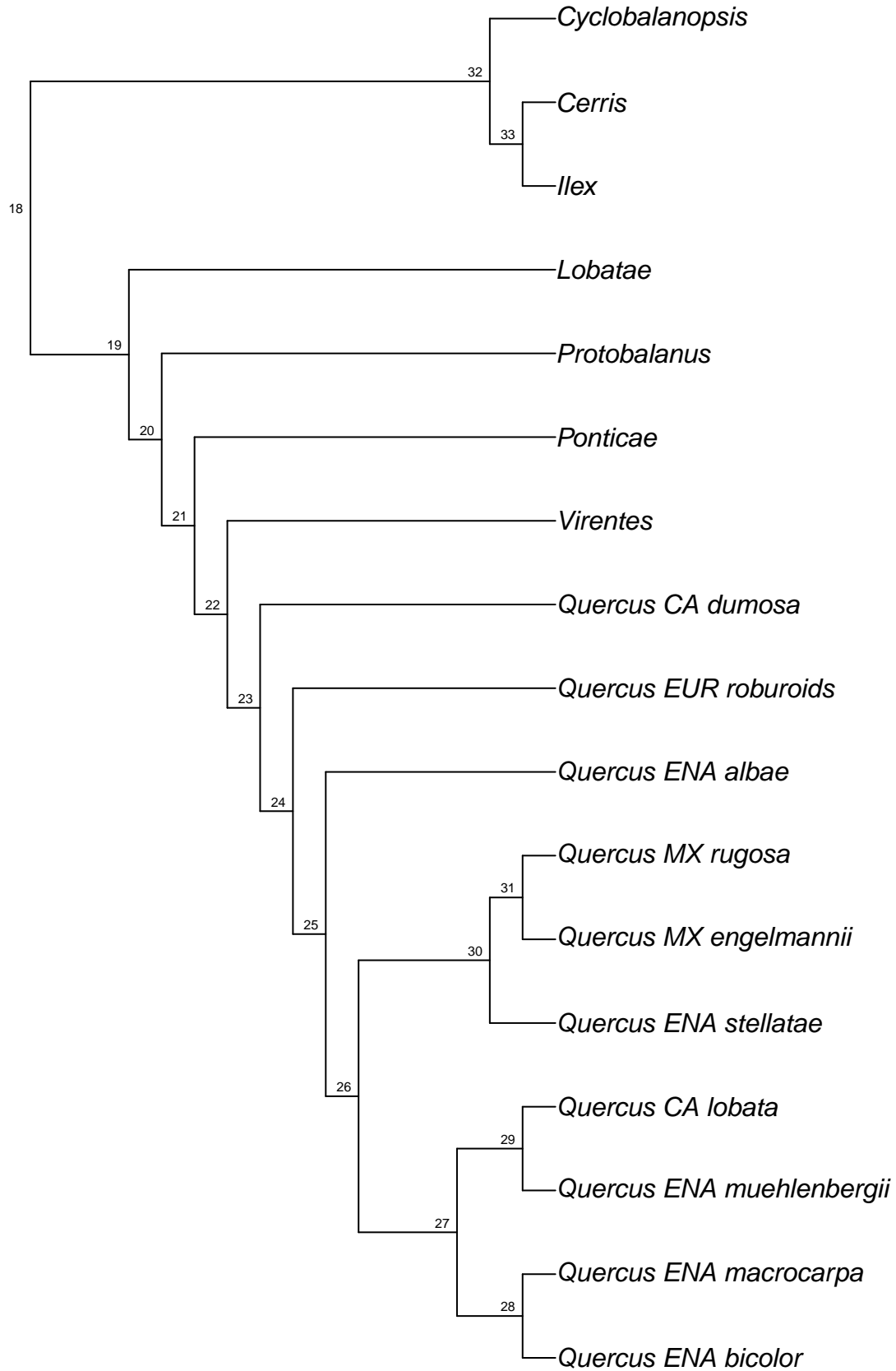


simRAD.simRAD\_Qalba\_raxml.bt009

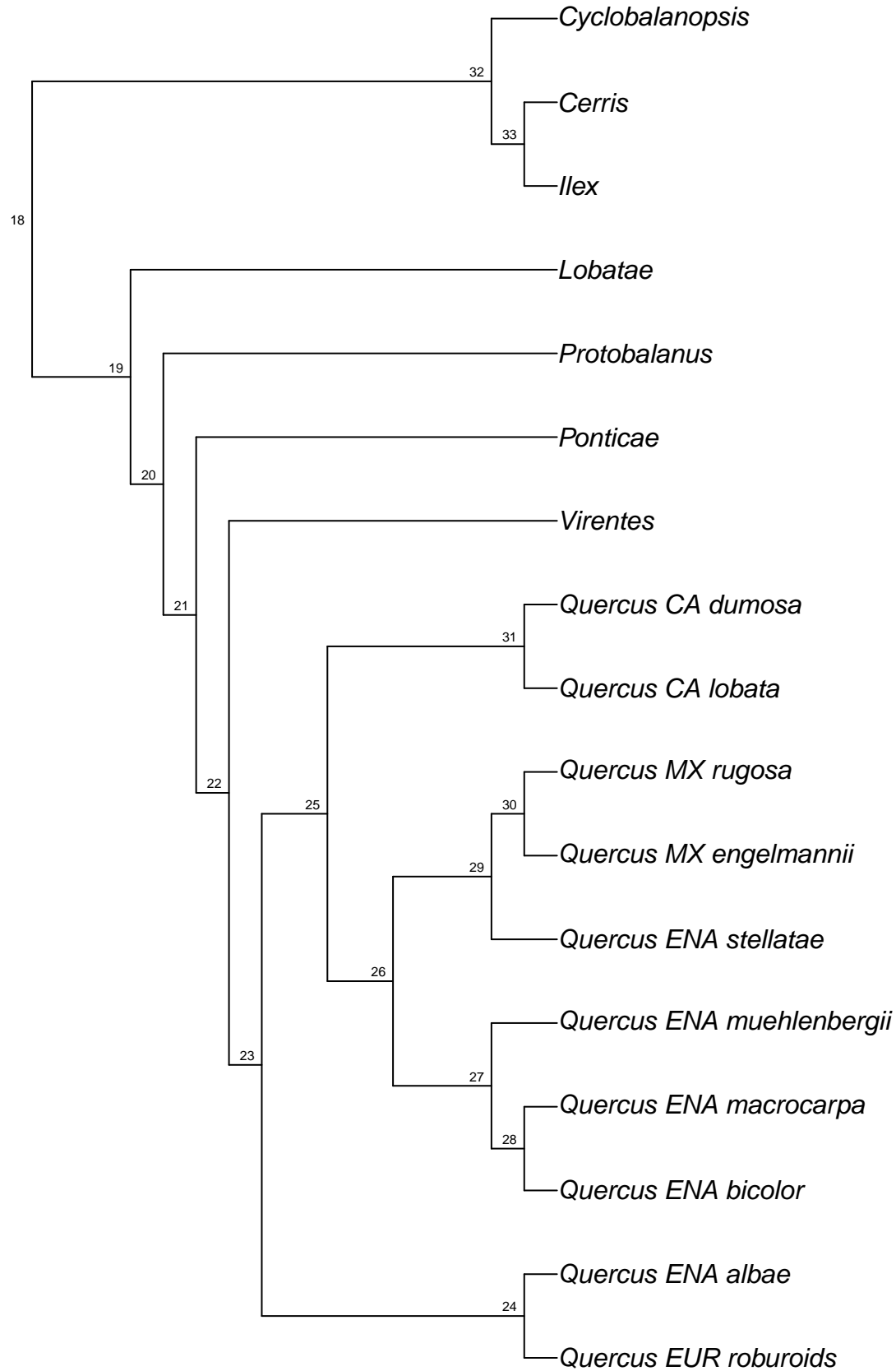




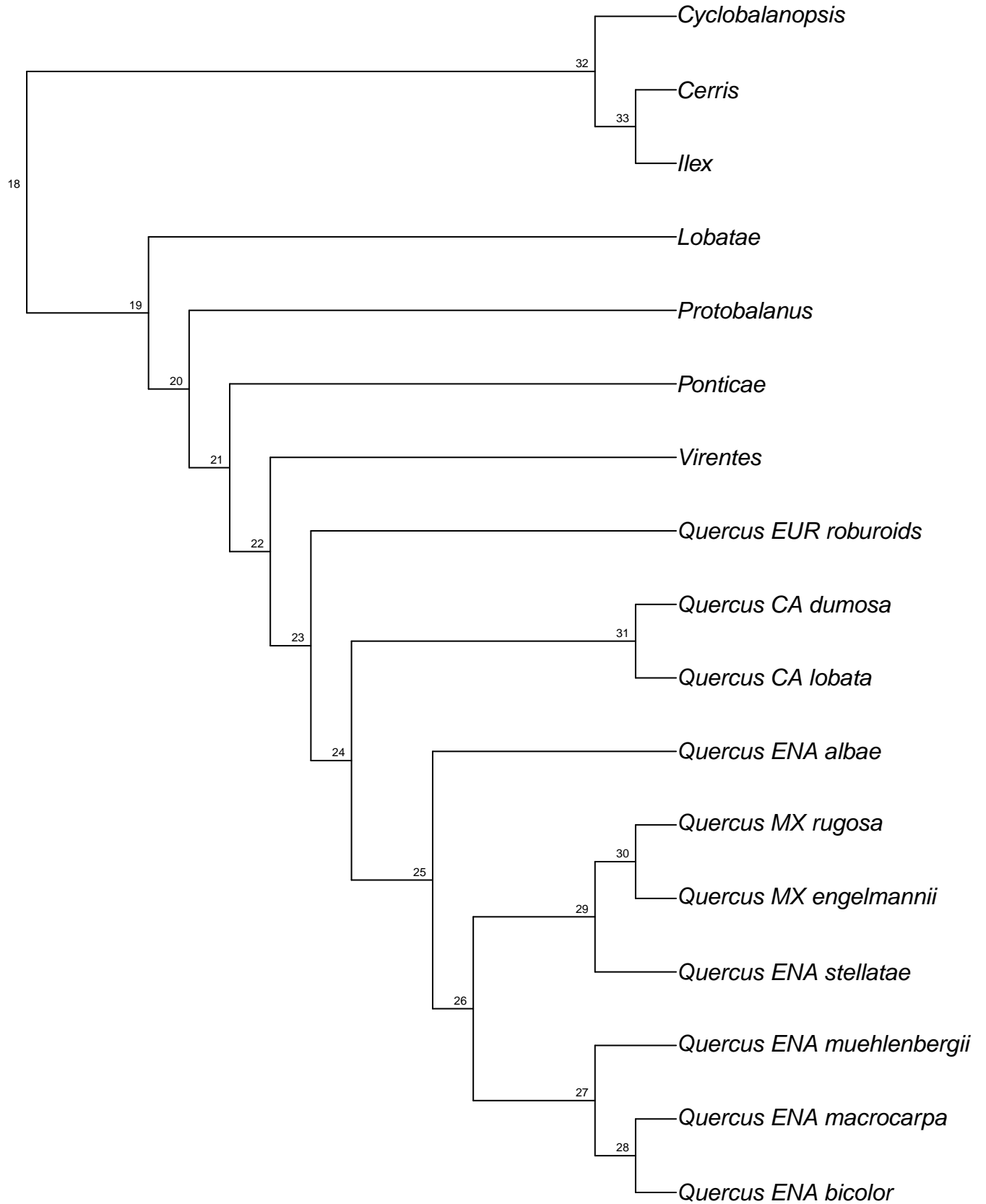
simRAD.simRAD\_Qalba\_raxml.bt010



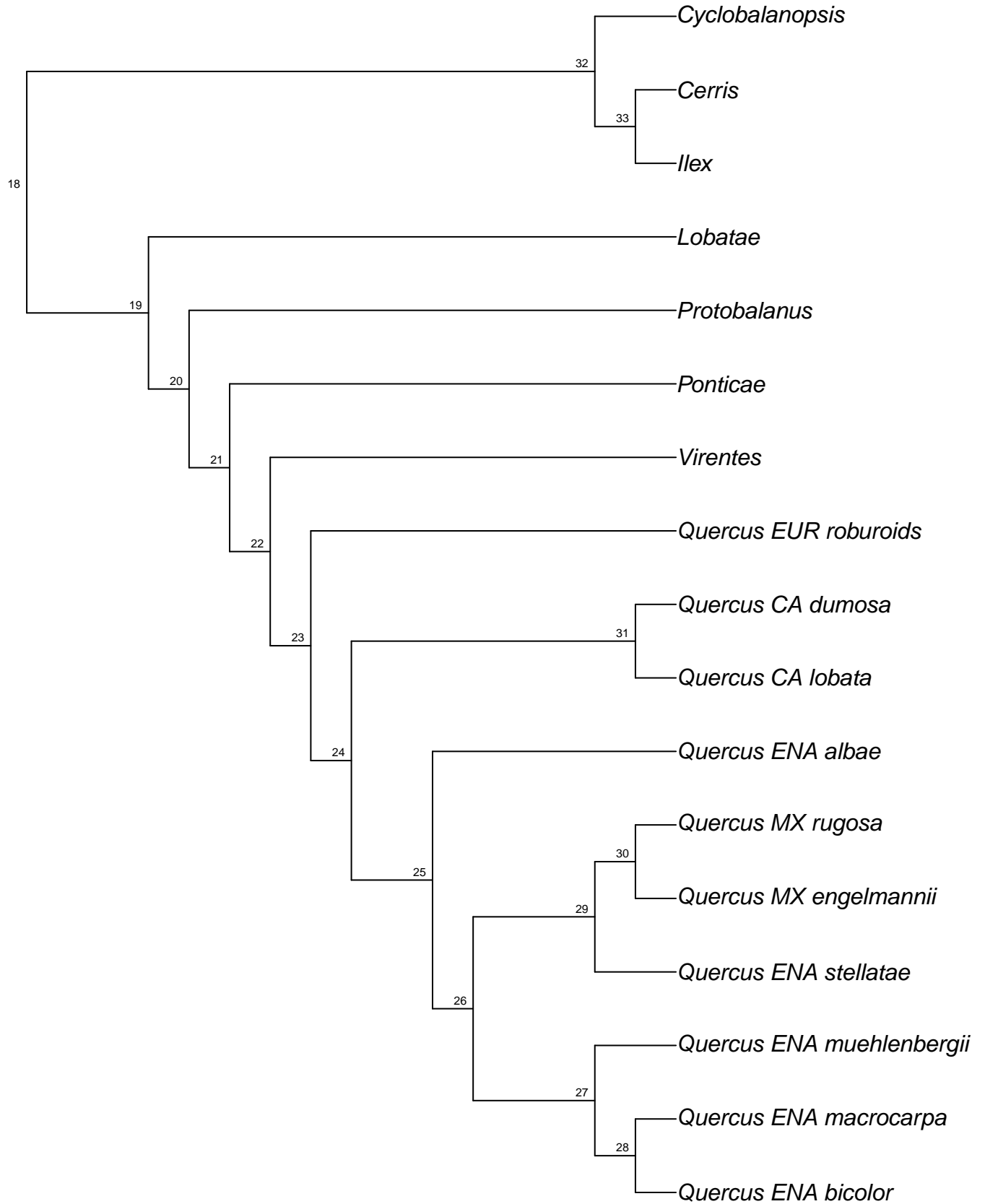
simRAD.simRAD\_Qalba\_raxml.bt011



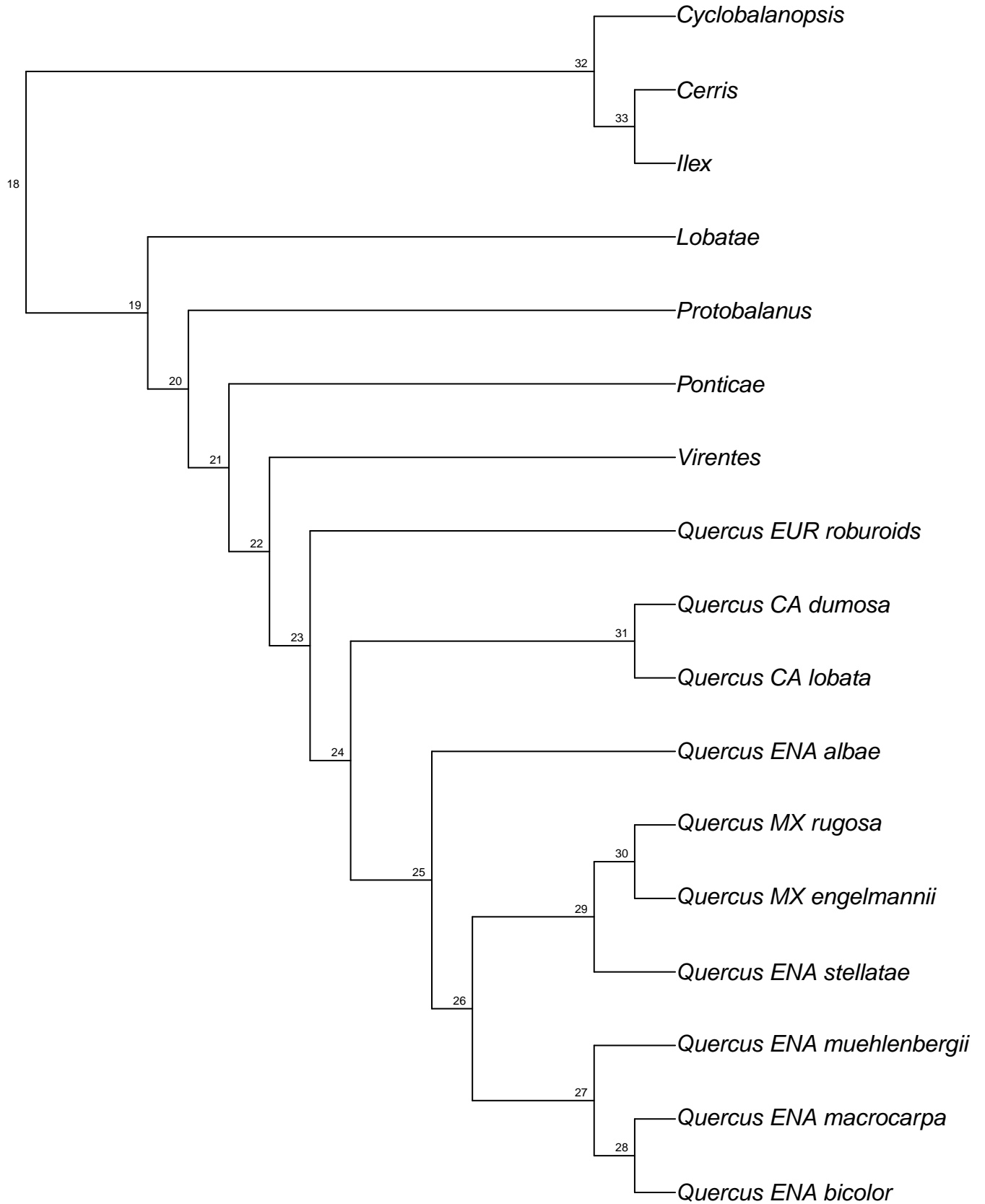
simRAD.simRAD\_Qalba\_raxml.bt012



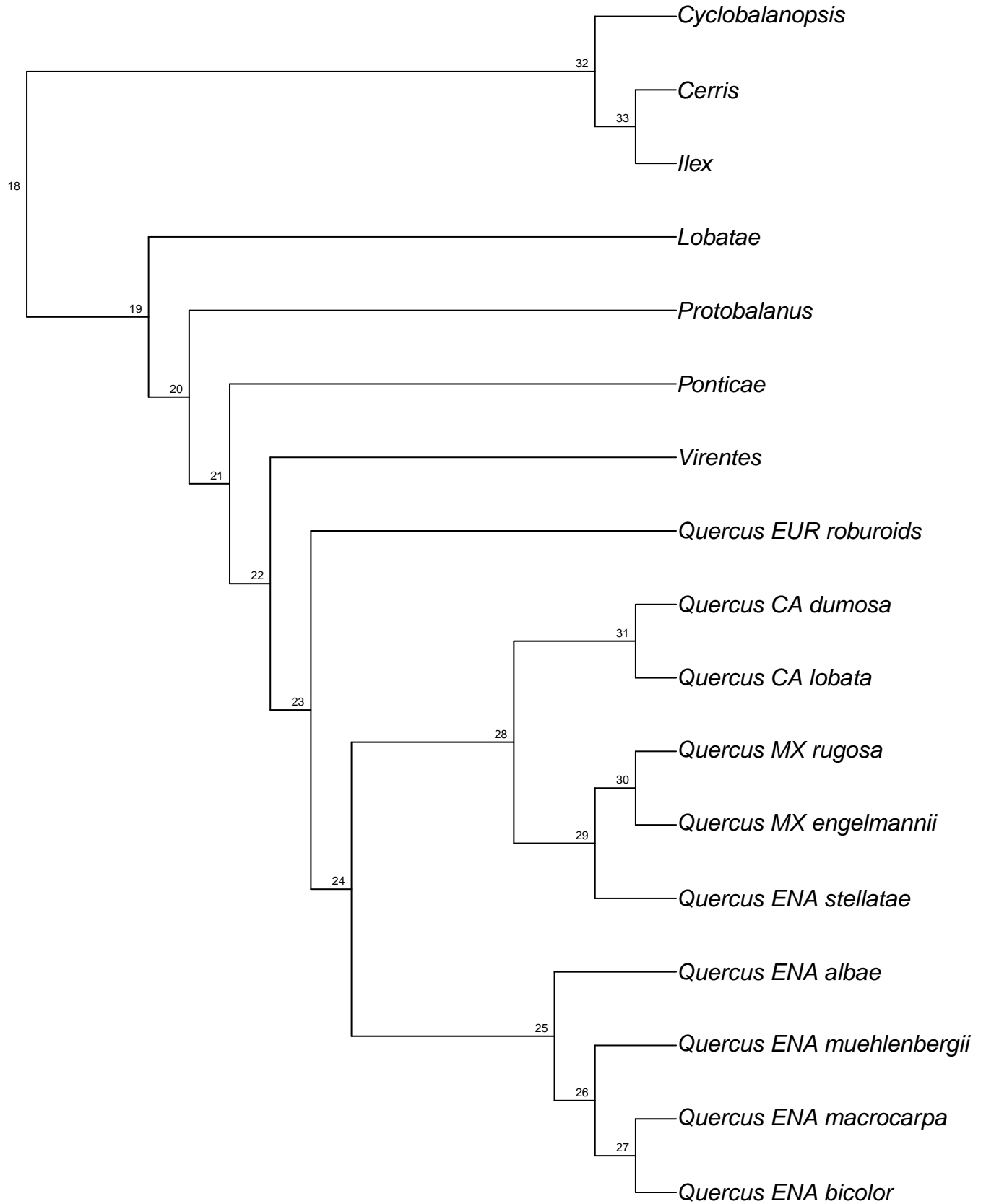
simRAD.simRAD\_Qalba\_raxml.bt013



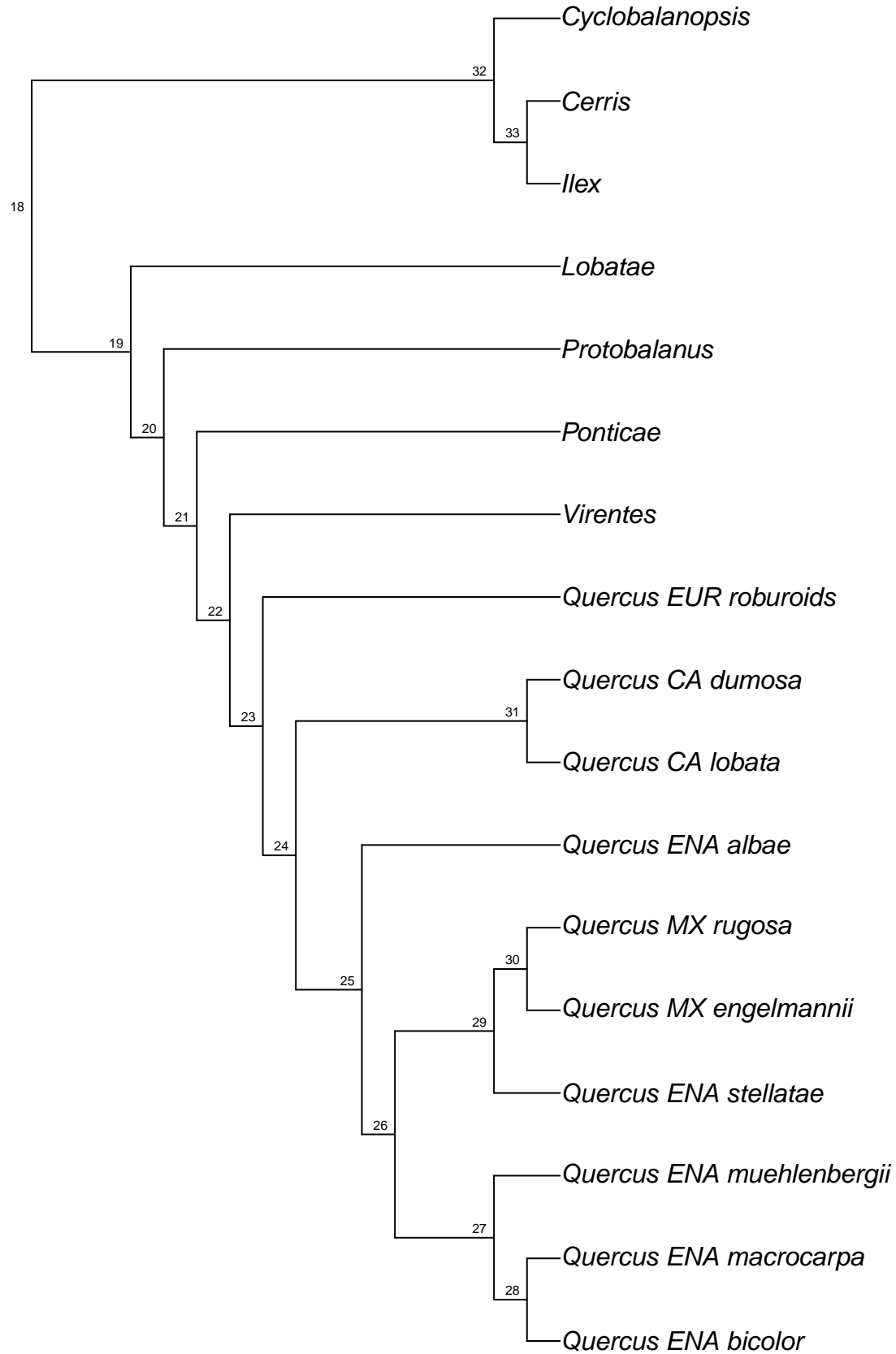
simRAD.simRAD\_Qalba\_raxml.bt014



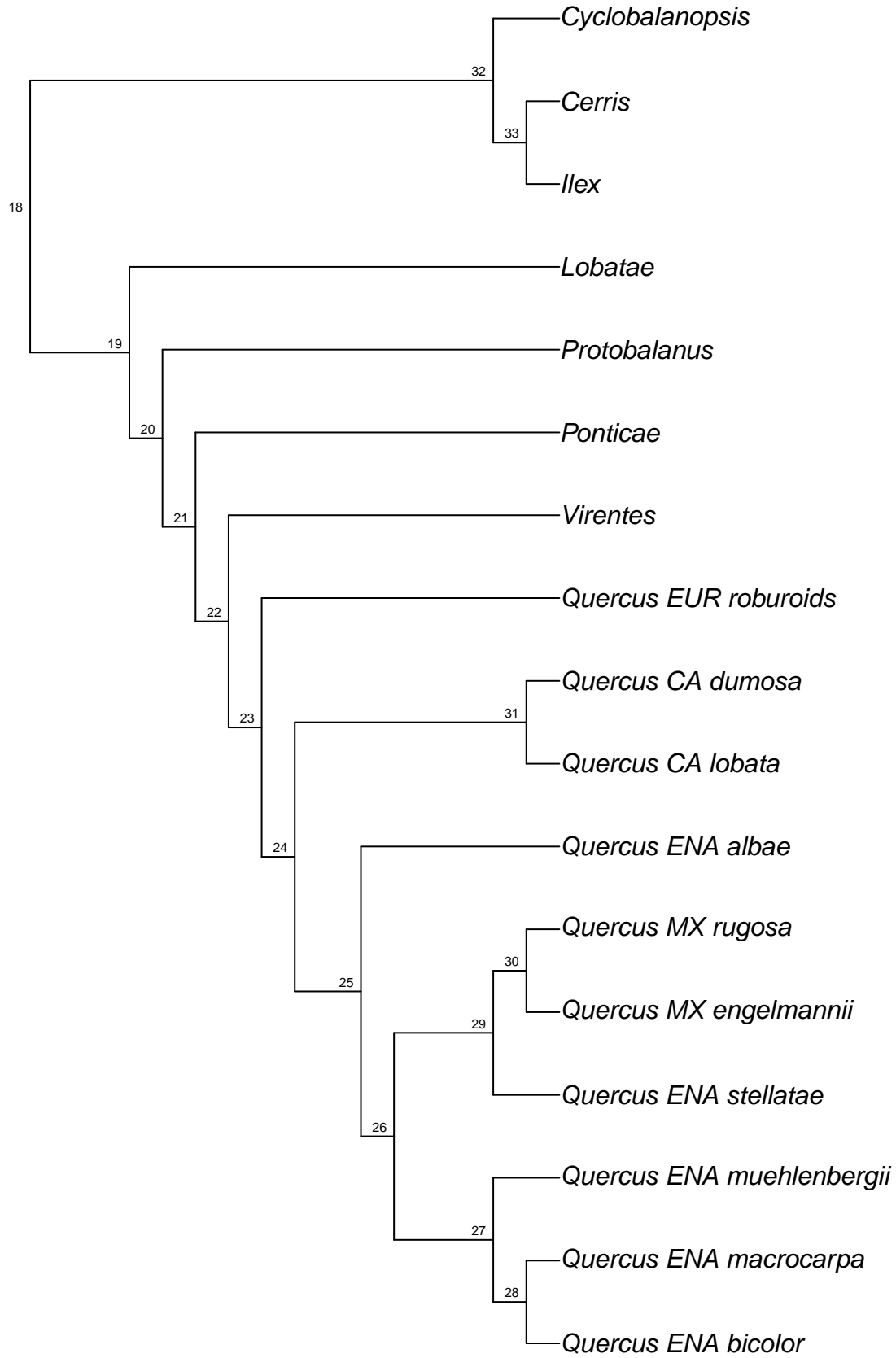
simRAD.simRAD\_Qalba\_raxml.bt015



simRAD.simRAD\_Qalba\_raxml.bt016

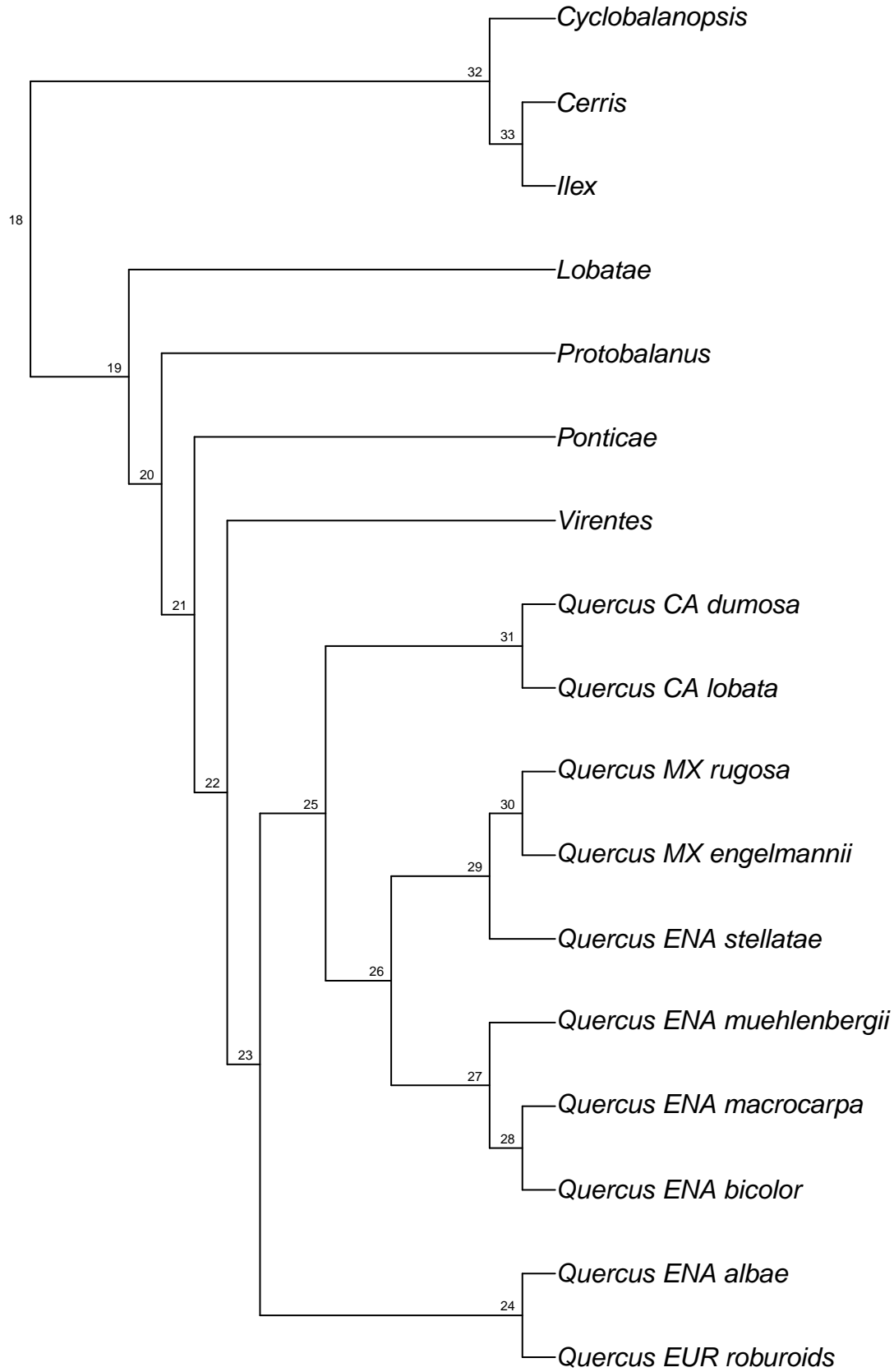


simRAD.simRAD\_Qalba\_raxml.bt017

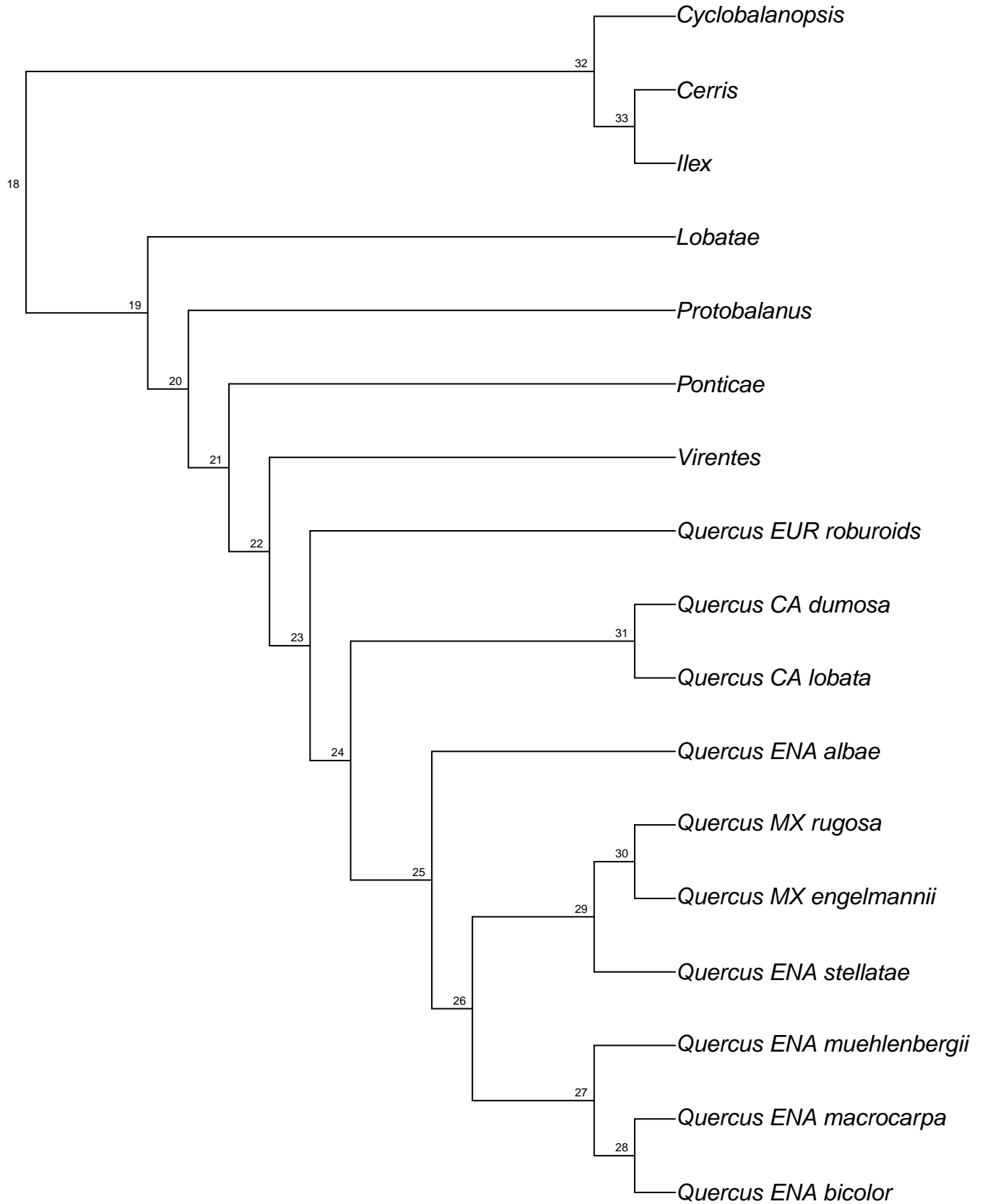




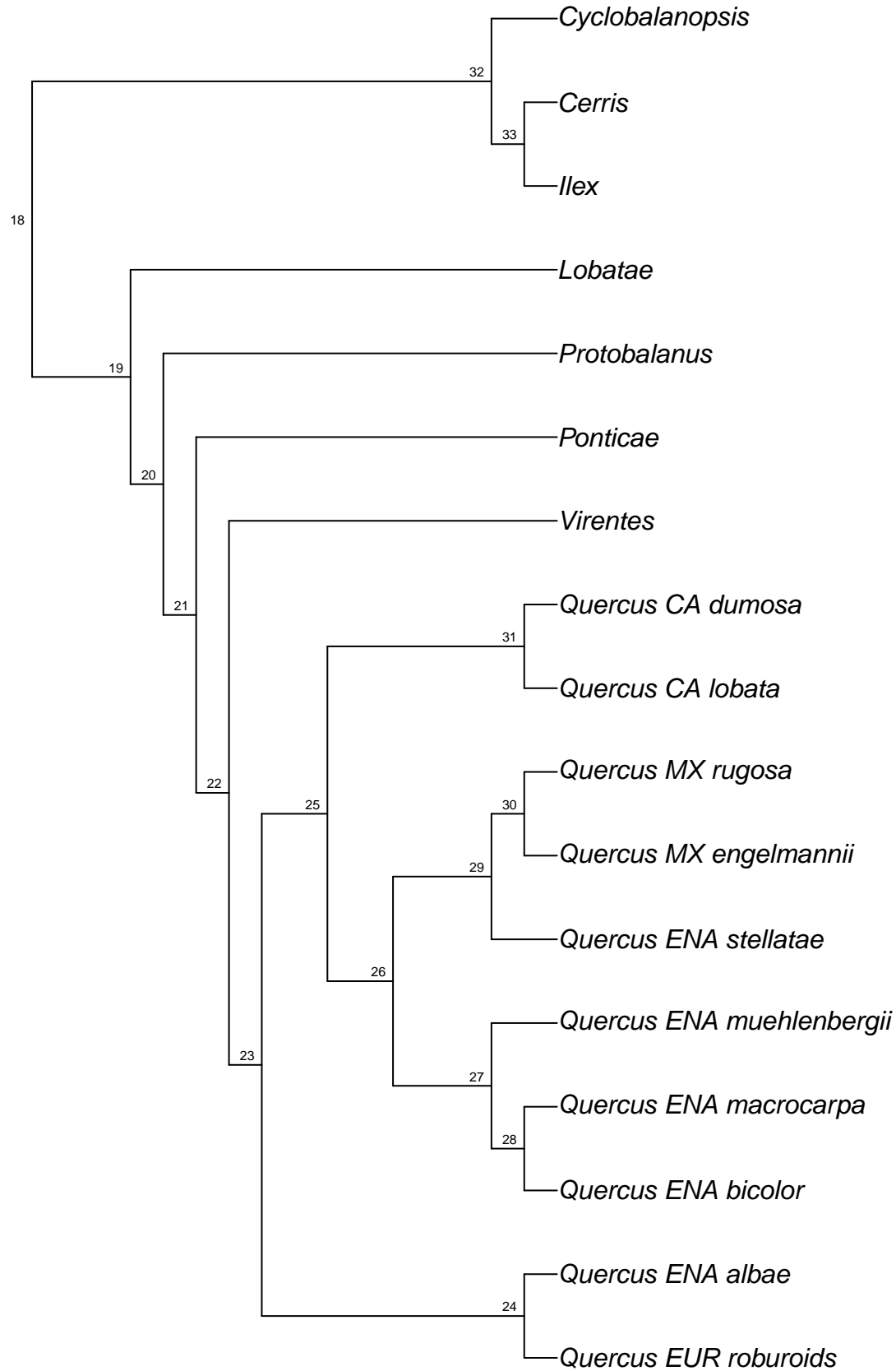
simRAD.simRAD\_Qalba\_raxml.bt018



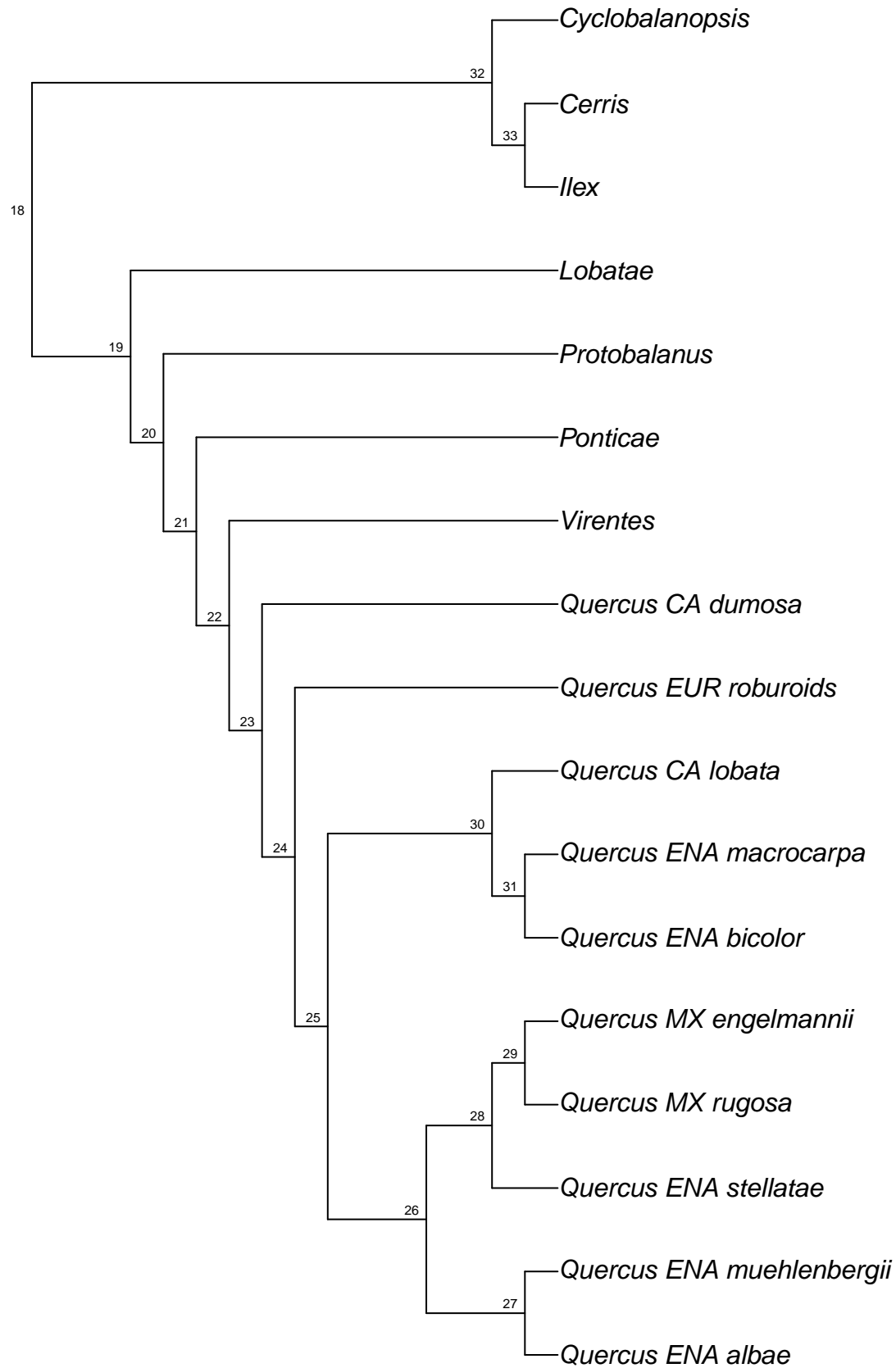
simRAD.simRAD\_Qalba\_raxml.bt019



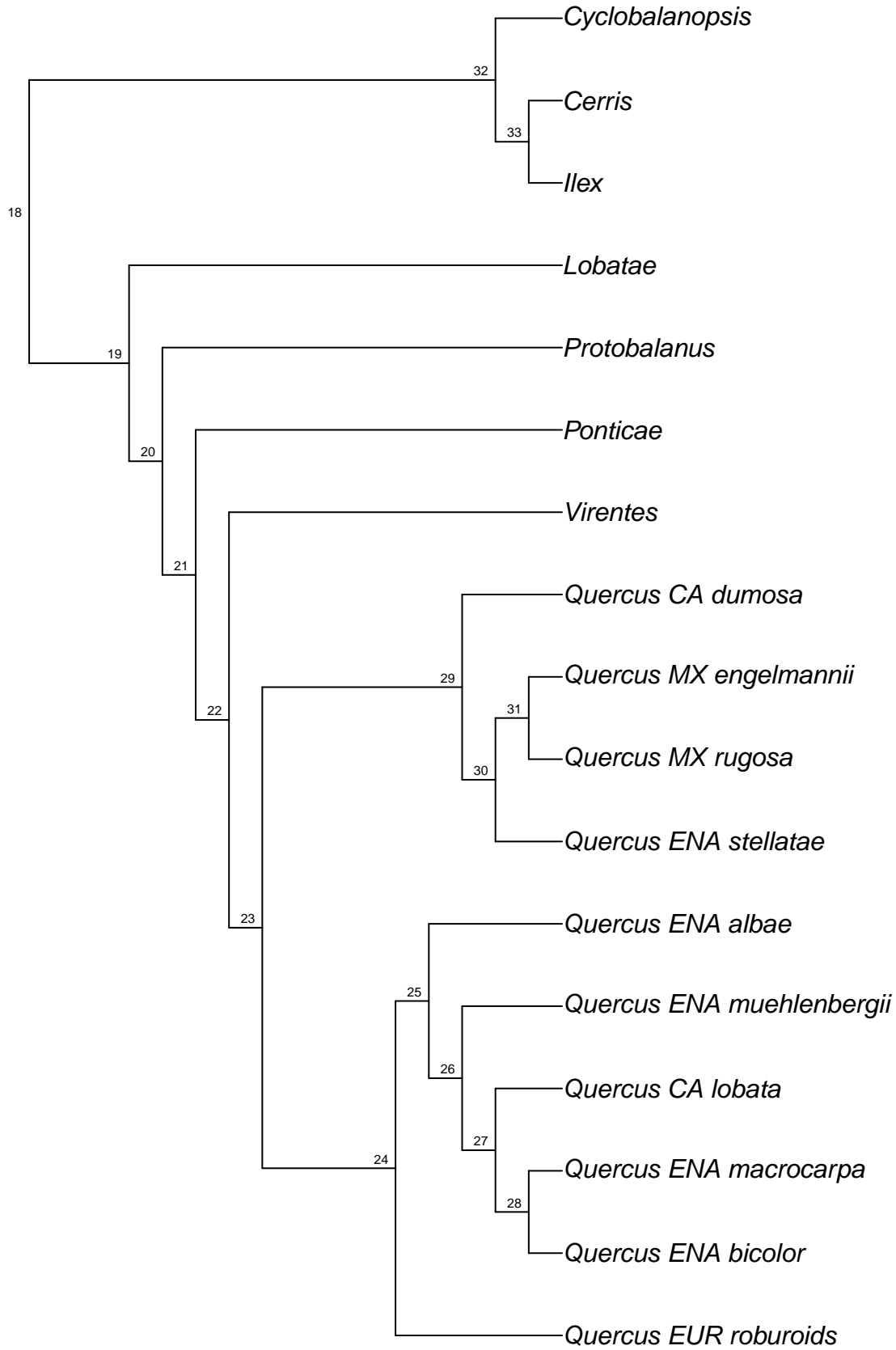
simRAD.simRAD\_Qalba\_raxml.bt020



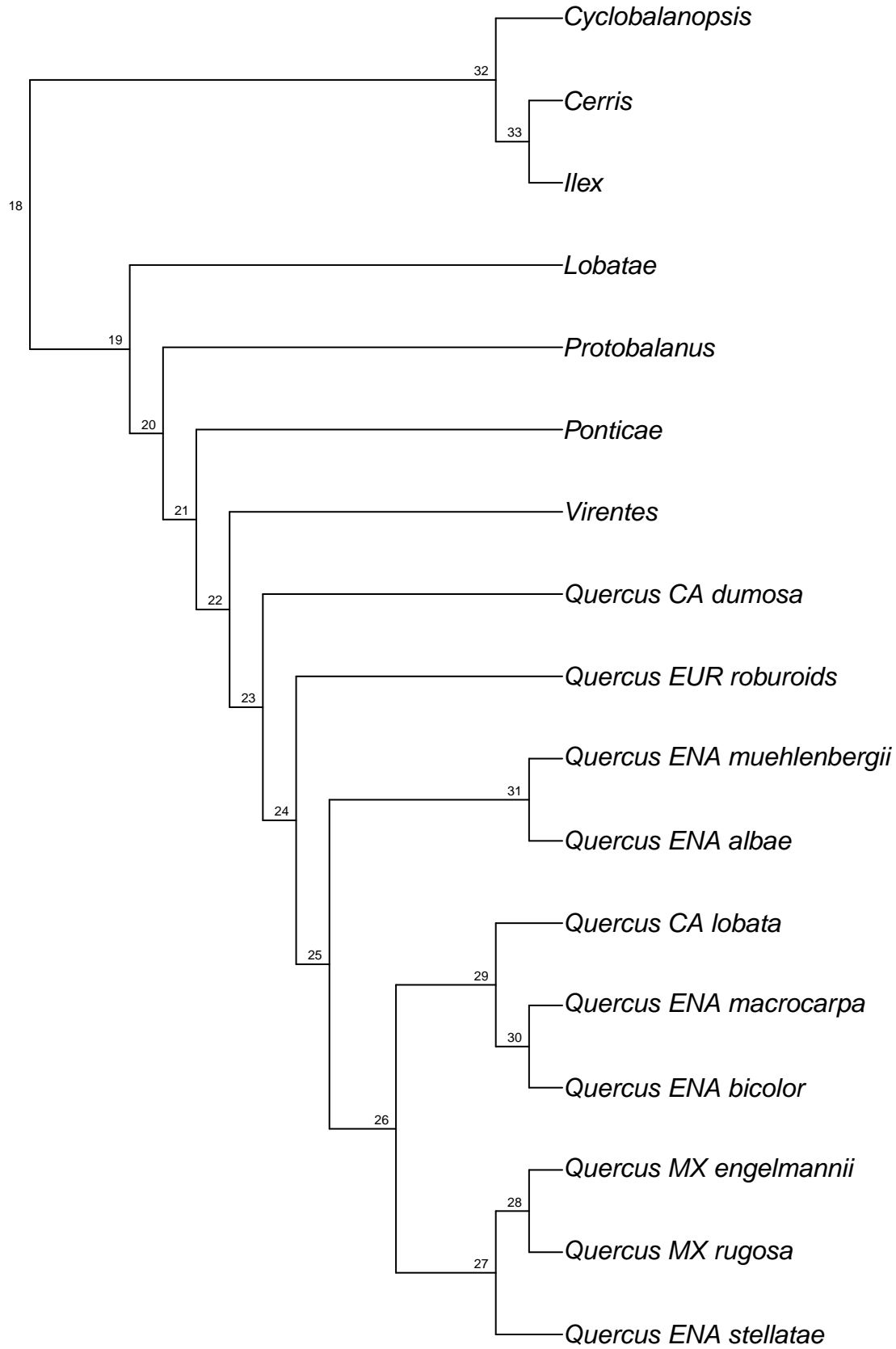
**simRAD.simRAD\_Qalba\_raxml.bt021**



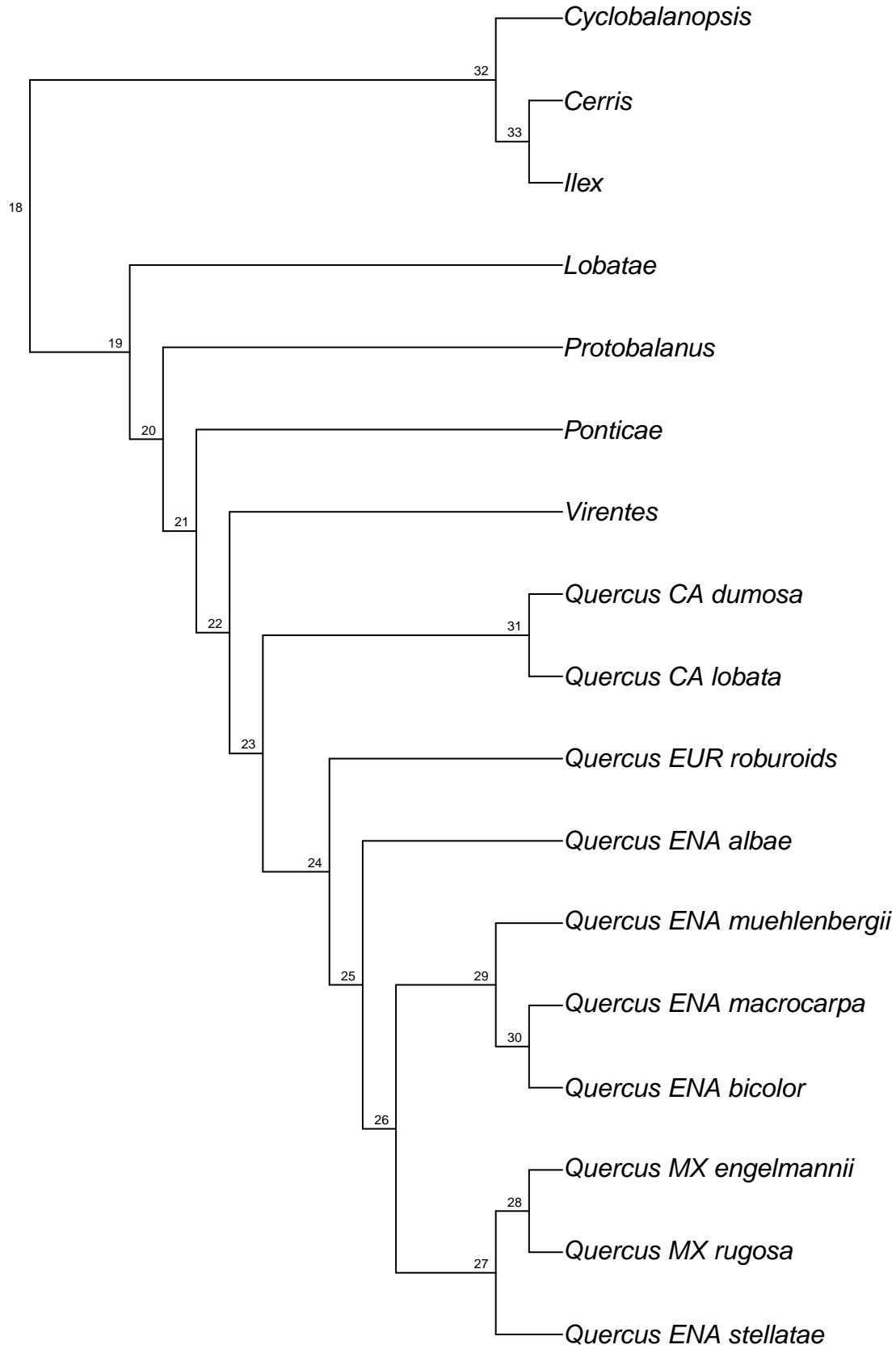
simRAD.simRAD\_Qalba\_raxml.bt022



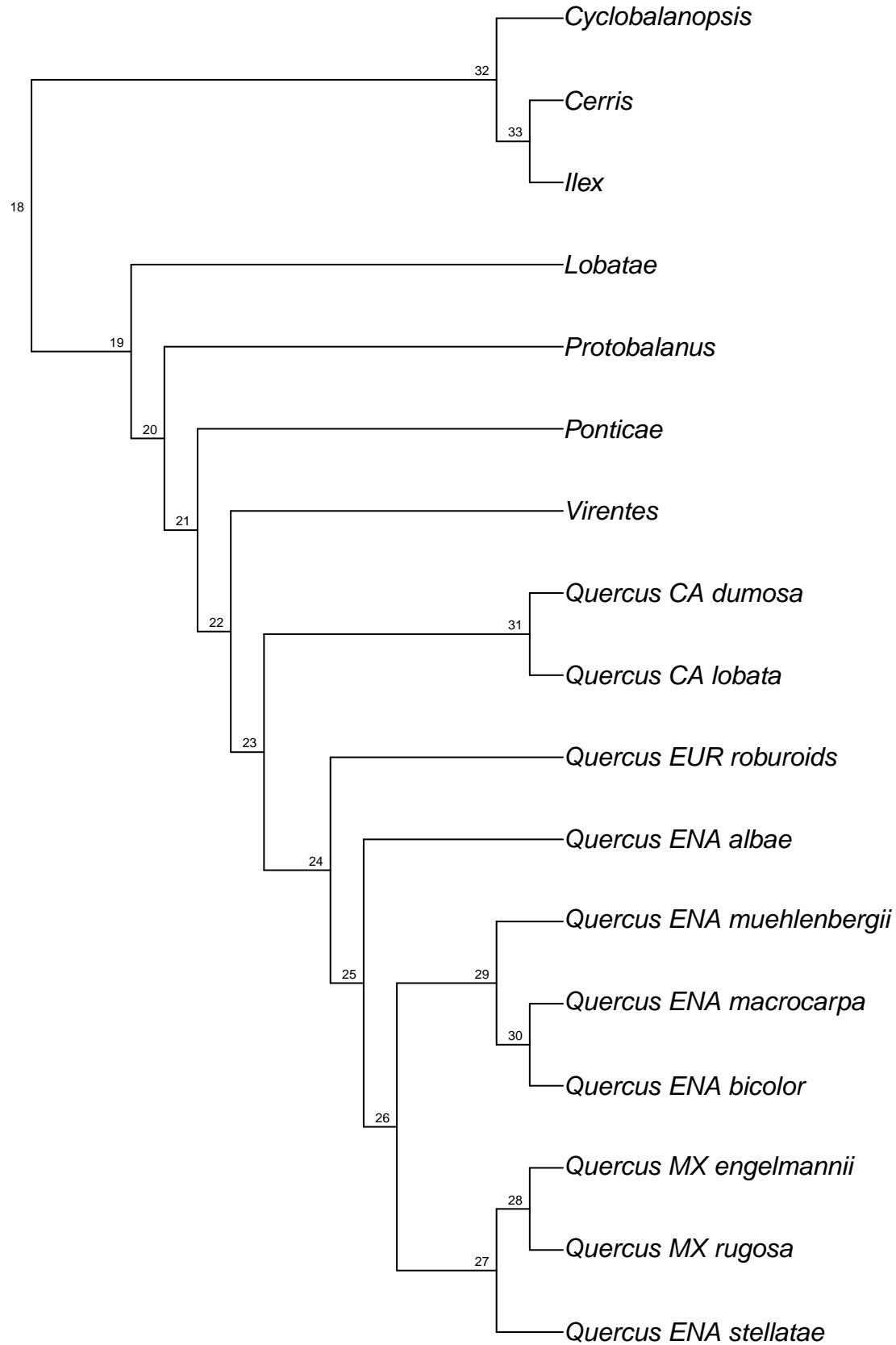
simRAD.simRAD\_Qalba\_raxml.bt023



simRAD.simRAD\_Qalba\_raxml.bt024

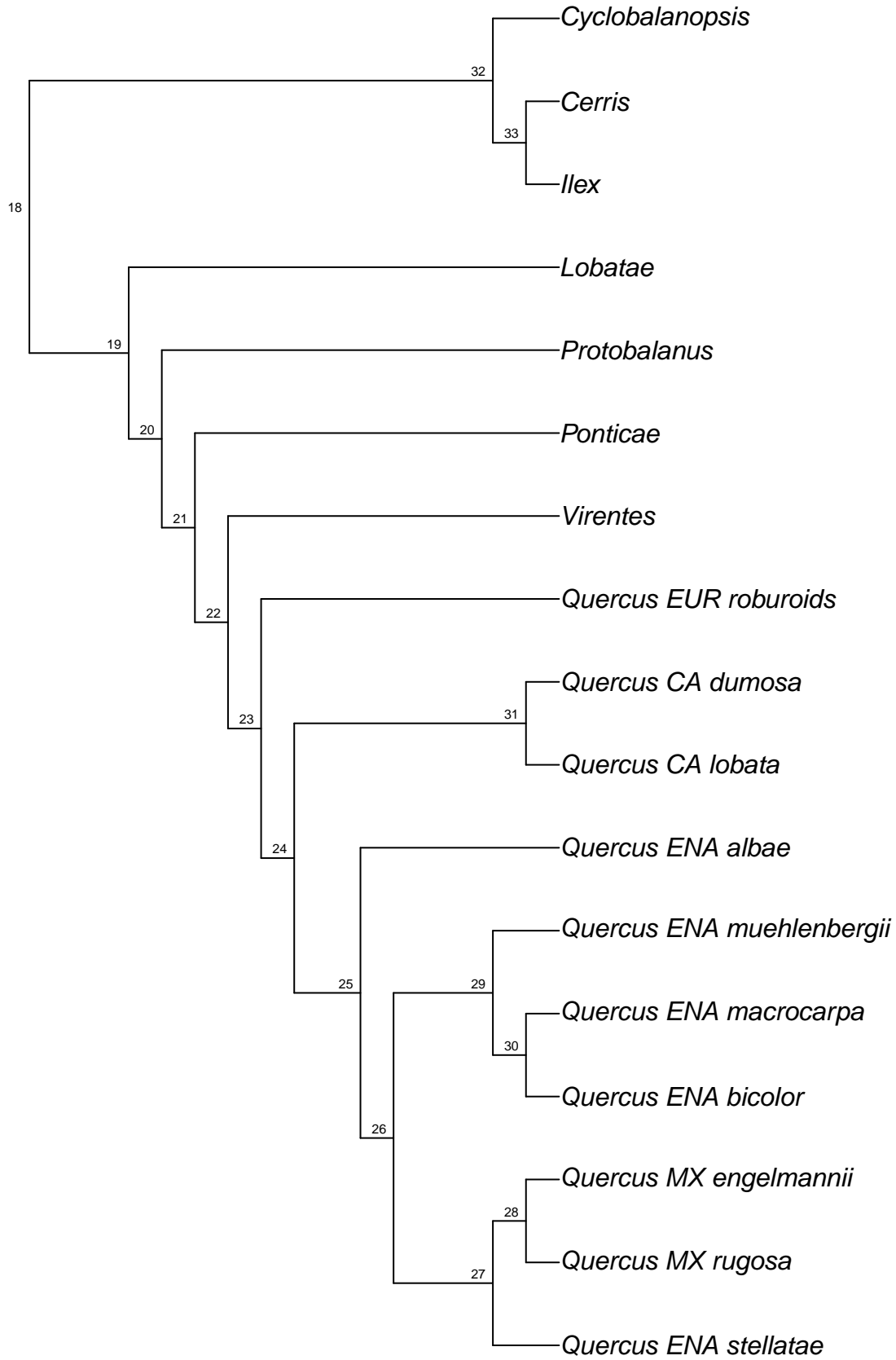


simRAD.simRAD\_Qalba\_raxml.bt025

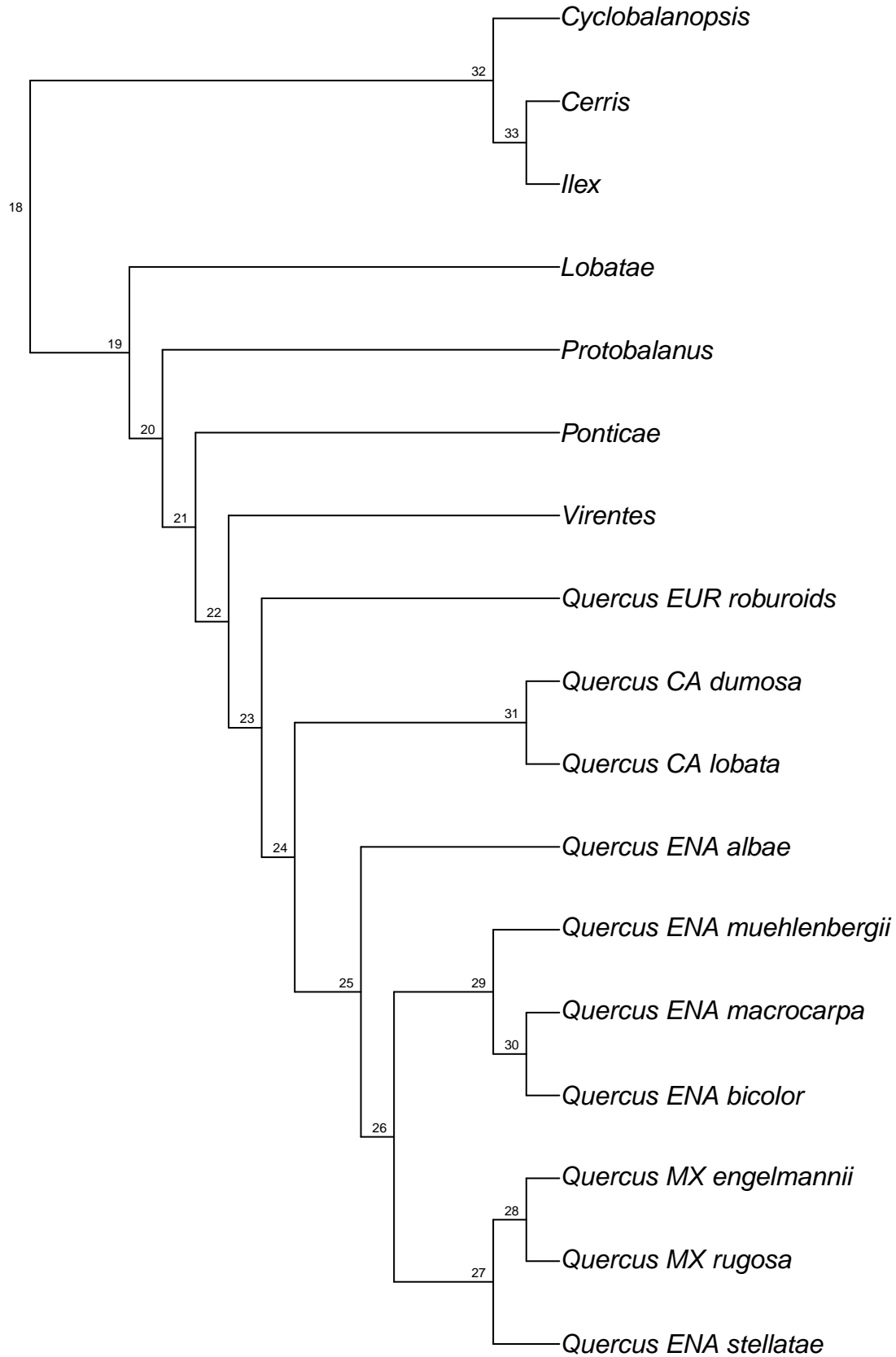




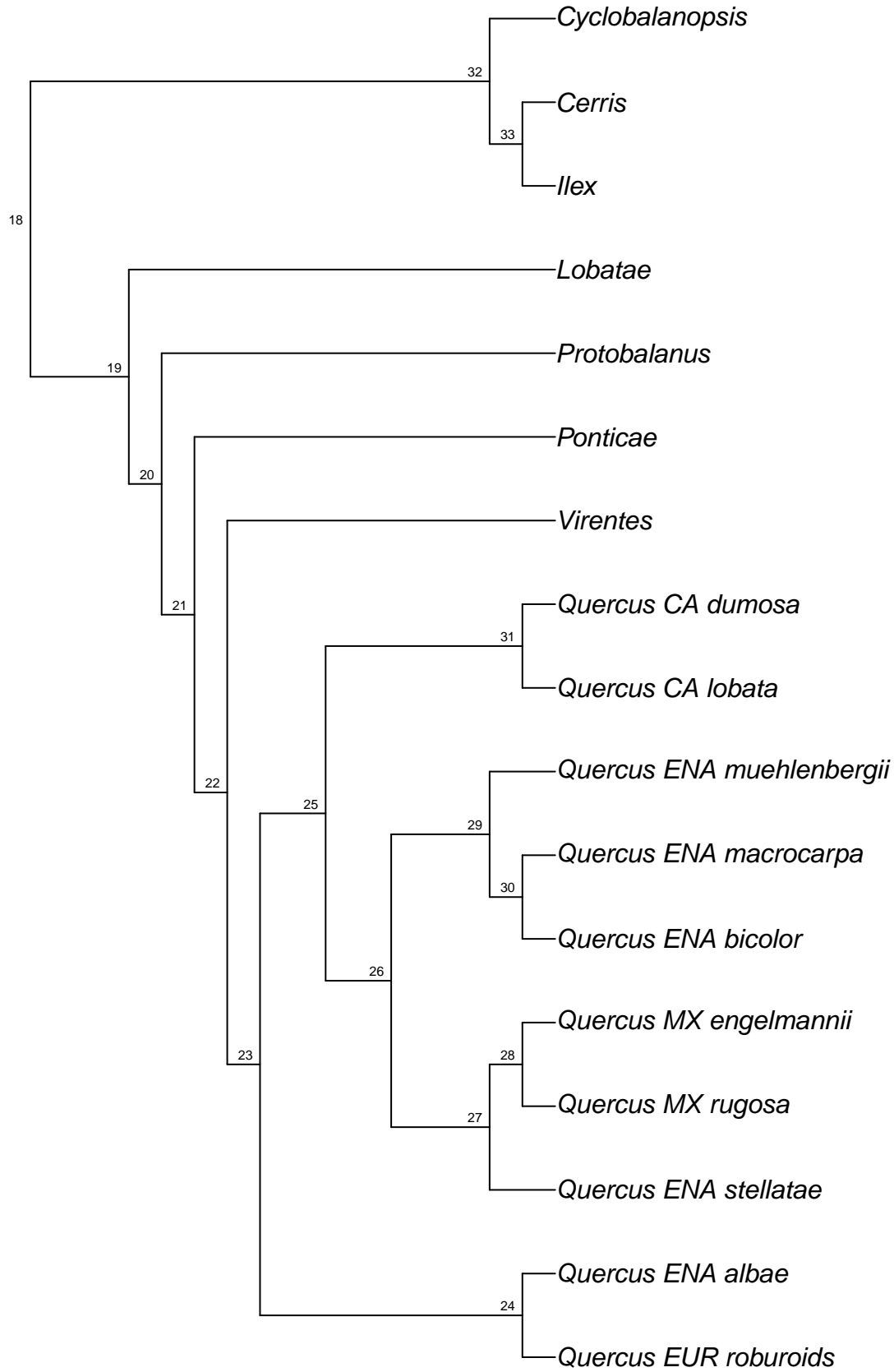
simRAD.simRAD\_Qalba\_raxml.bt026



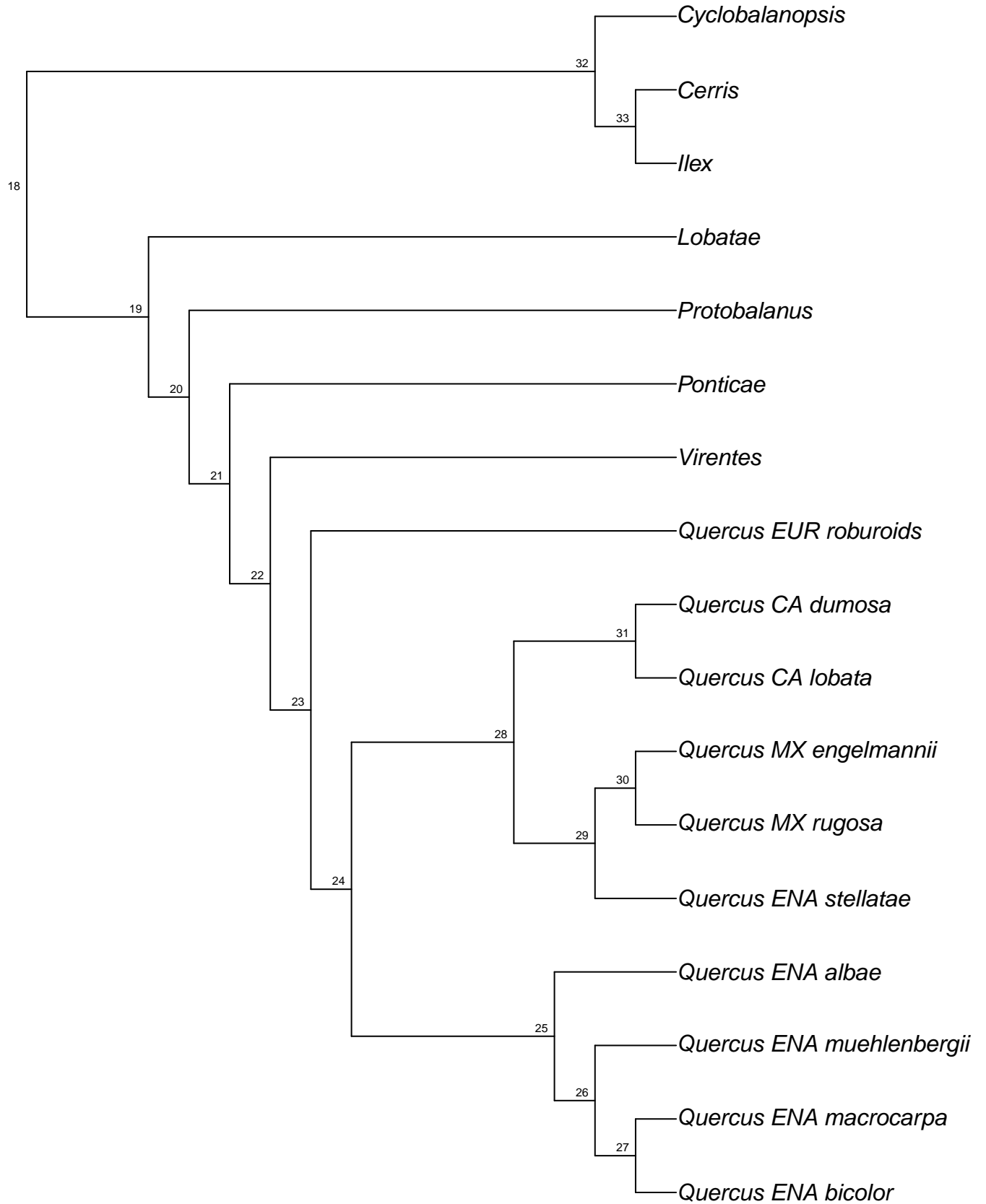
simRAD.simRAD\_Qalba\_raxml.bt027



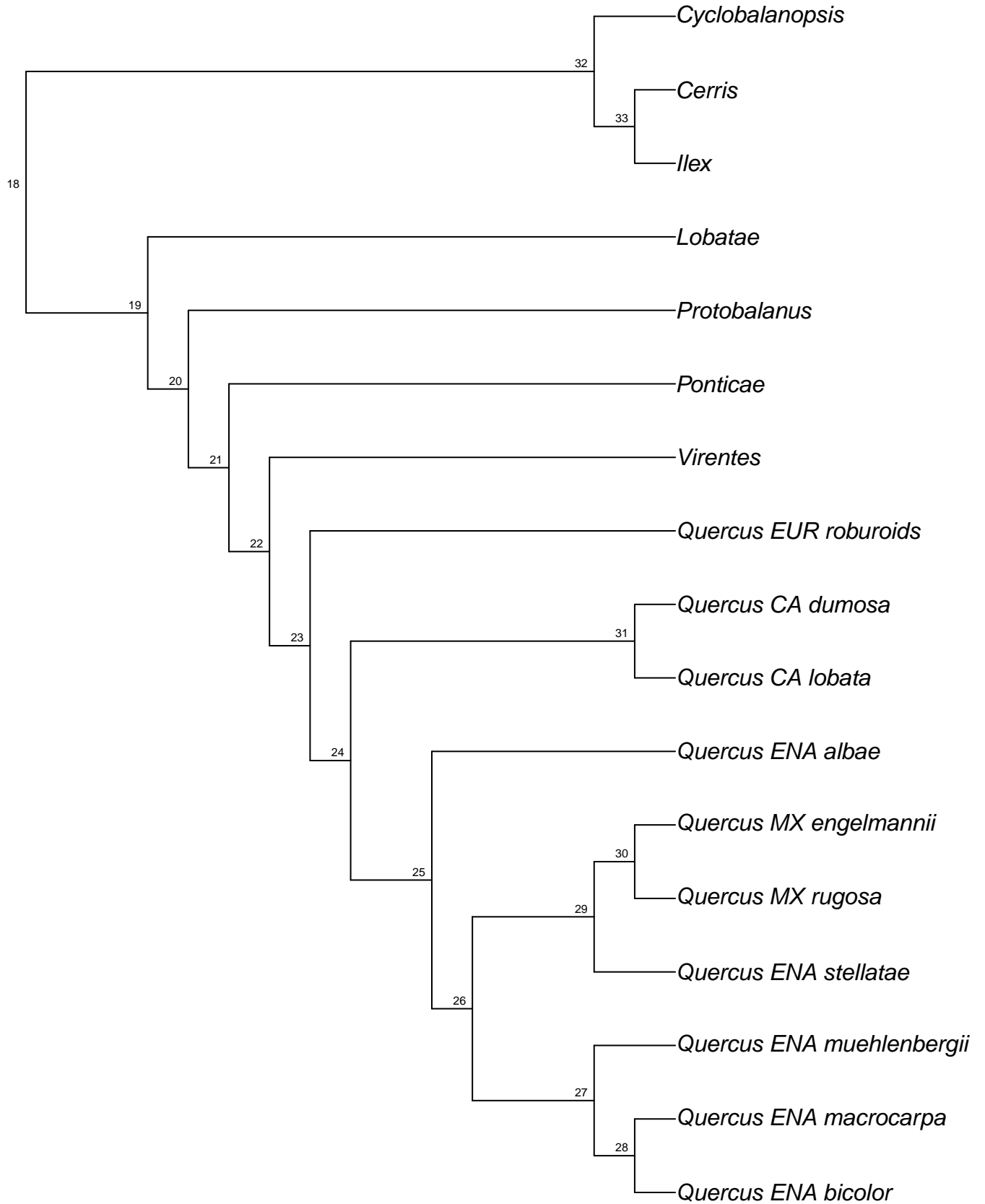
simRAD.simRAD\_Qalba\_raxml.bt028



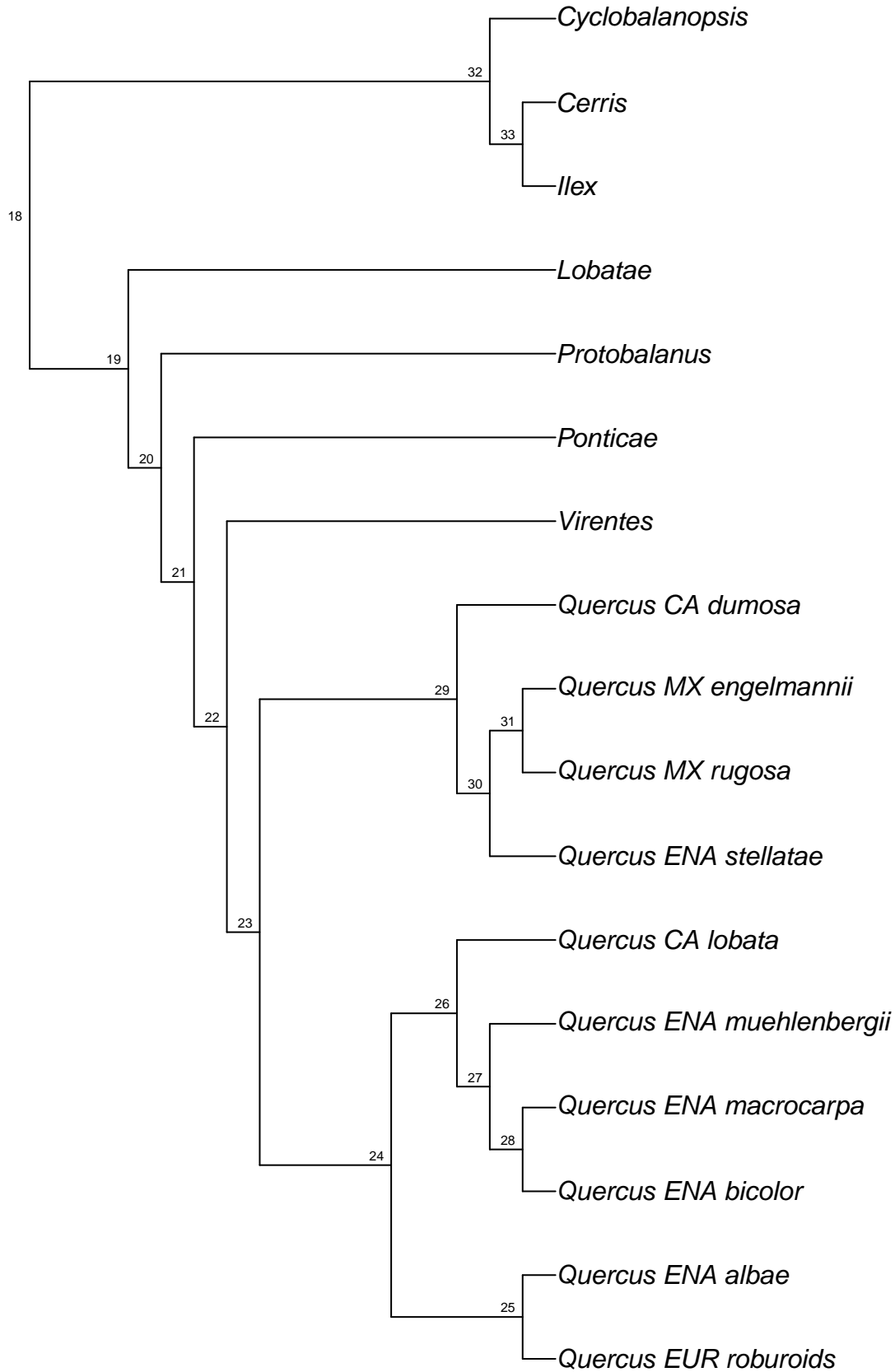
simRAD.simRAD\_Qalba\_raxml.bt029



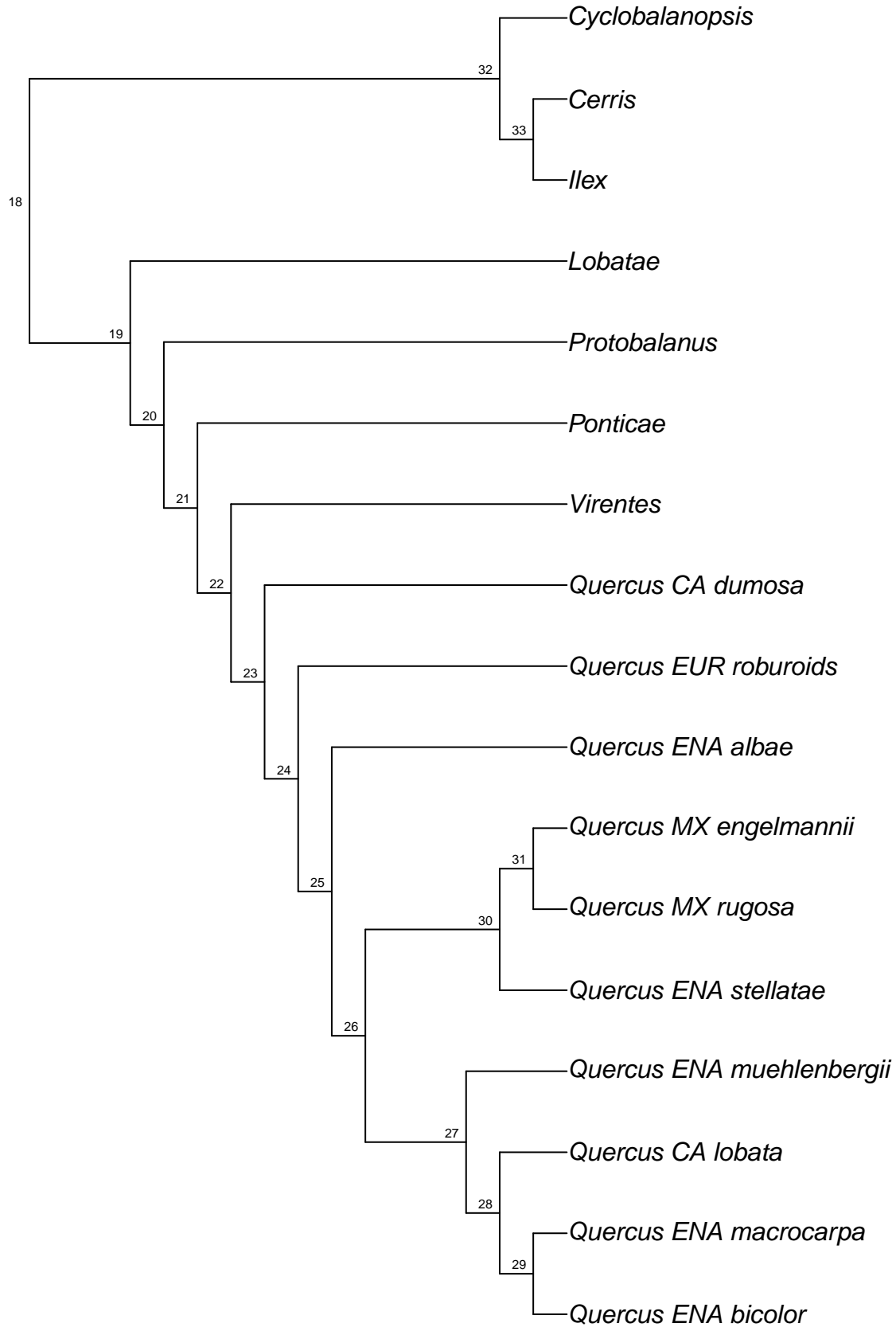
simRAD.simRAD\_Qalba\_raxml.bt030



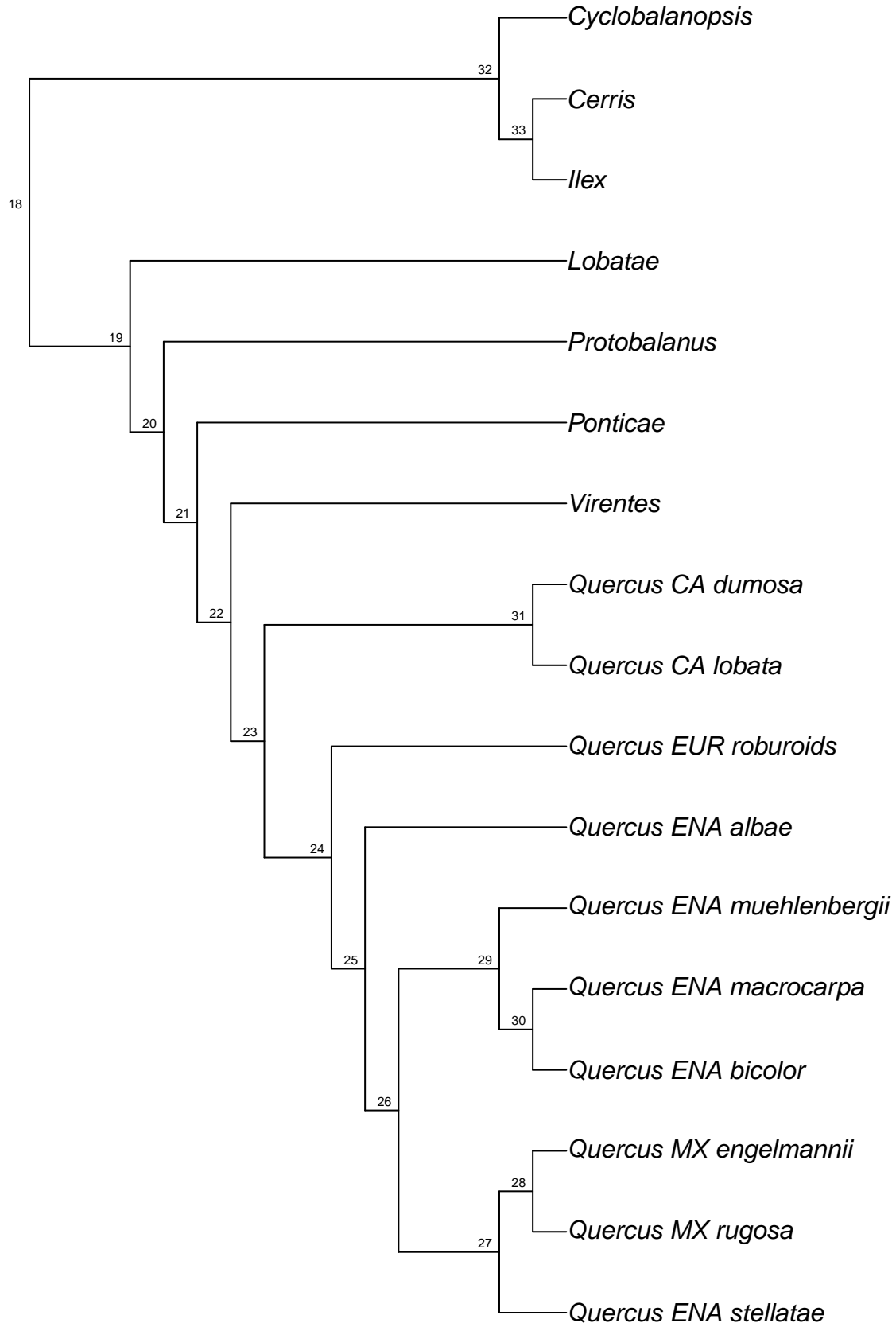
simRAD.simRAD\_Qalba\_raxml.bt031



simRAD.simRAD\_Qalba\_raxml.bt032

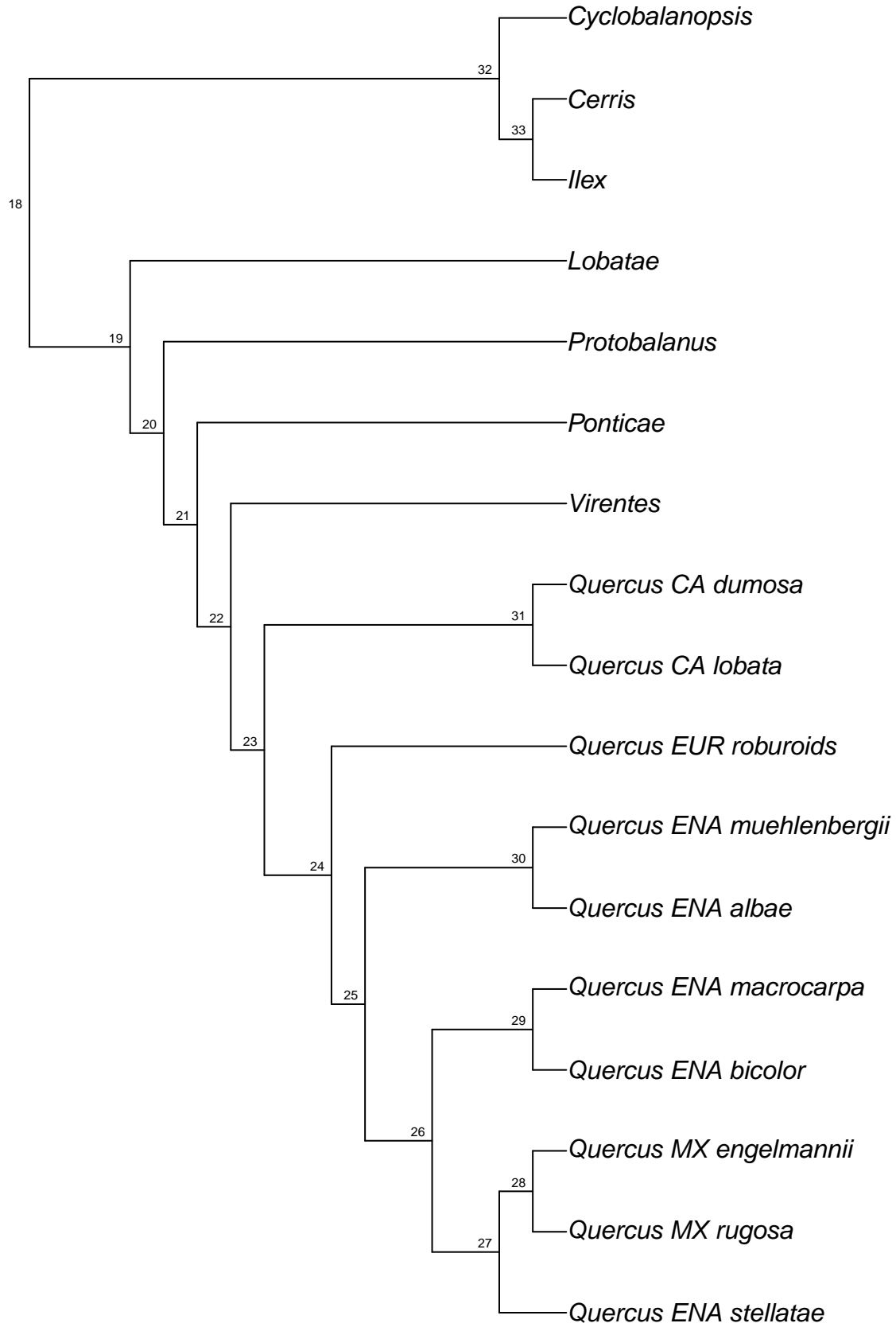


simRAD.simRAD\_Qalba\_raxml.bt033

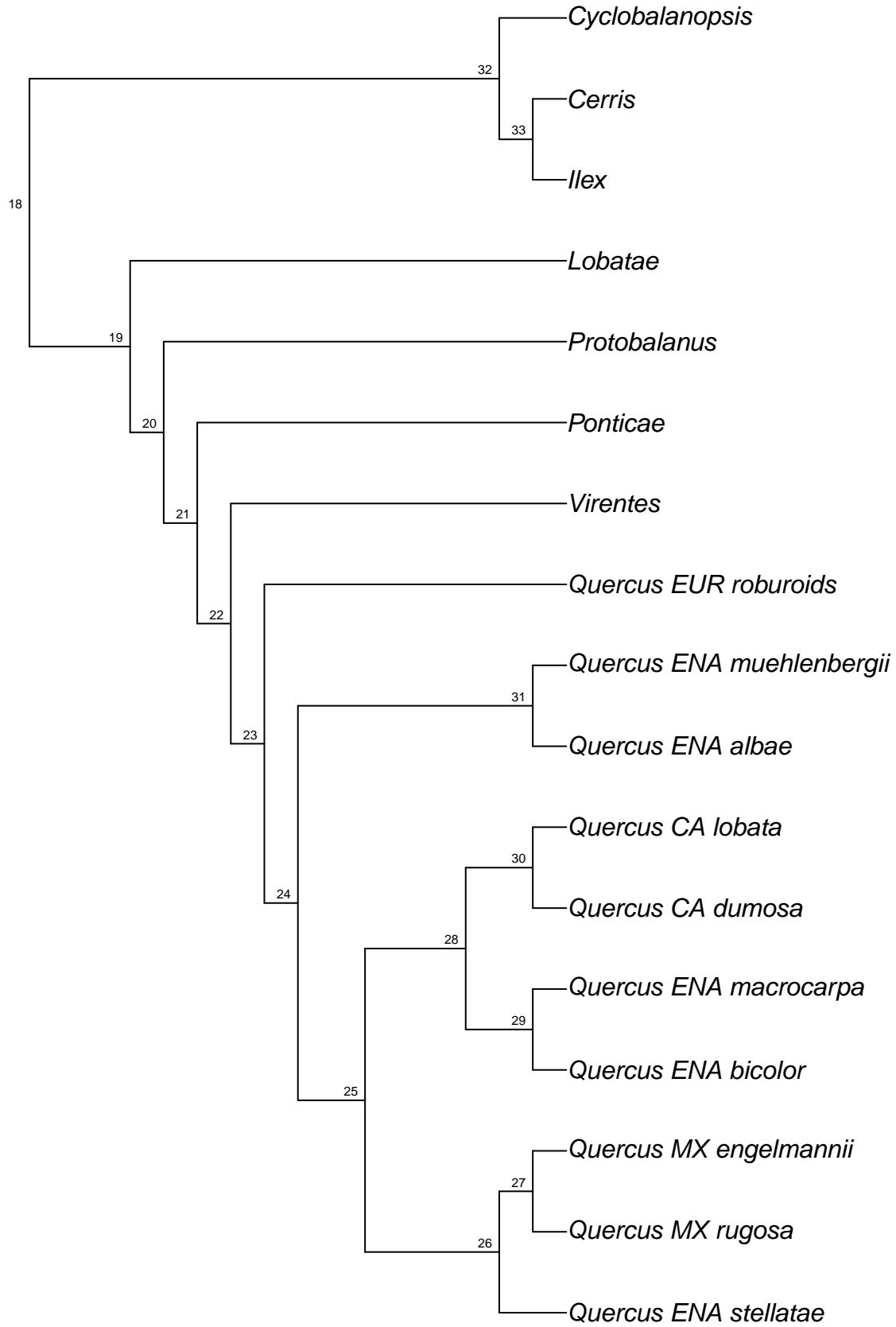




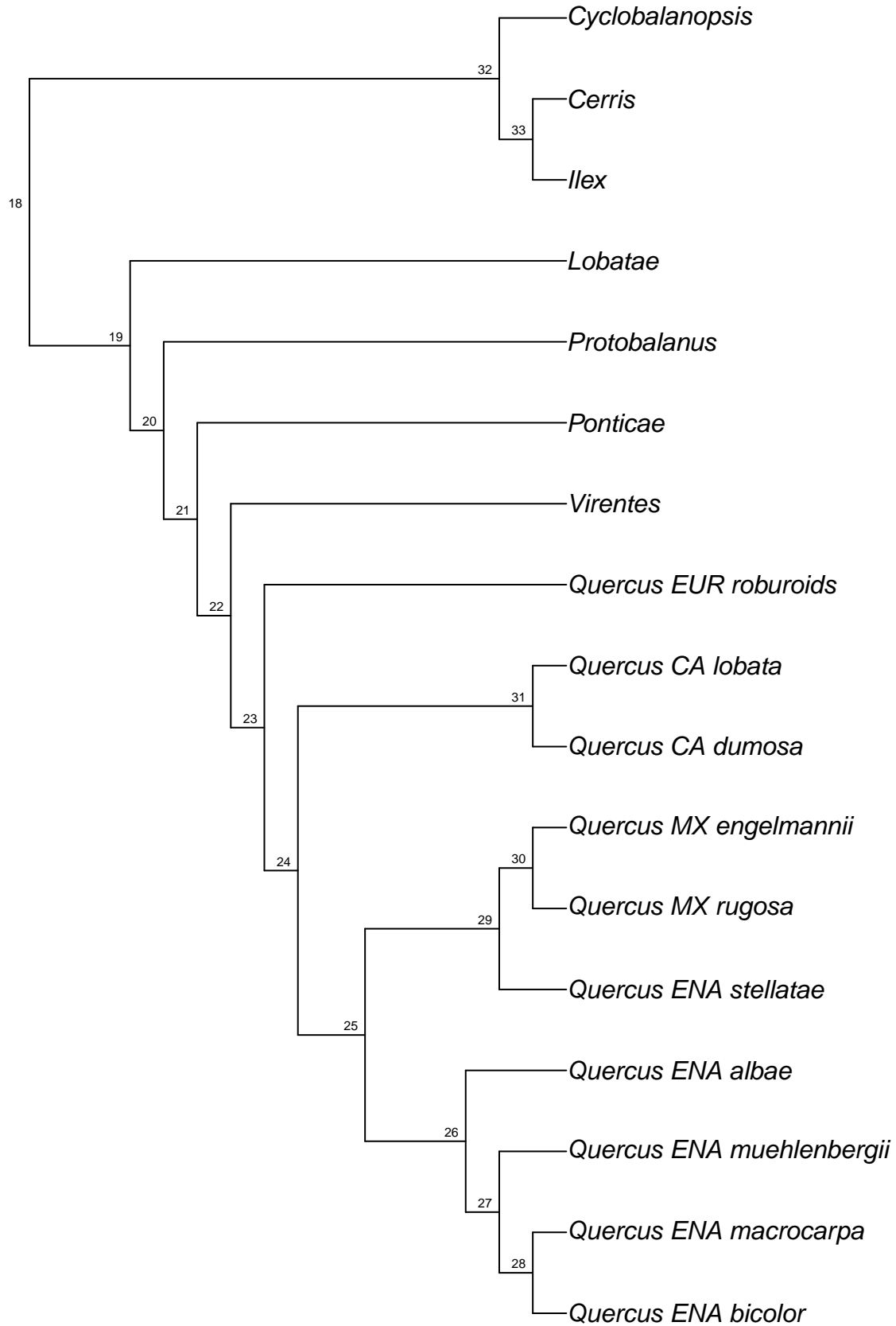
simRAD.simRAD\_Qalba\_raxml.bt034



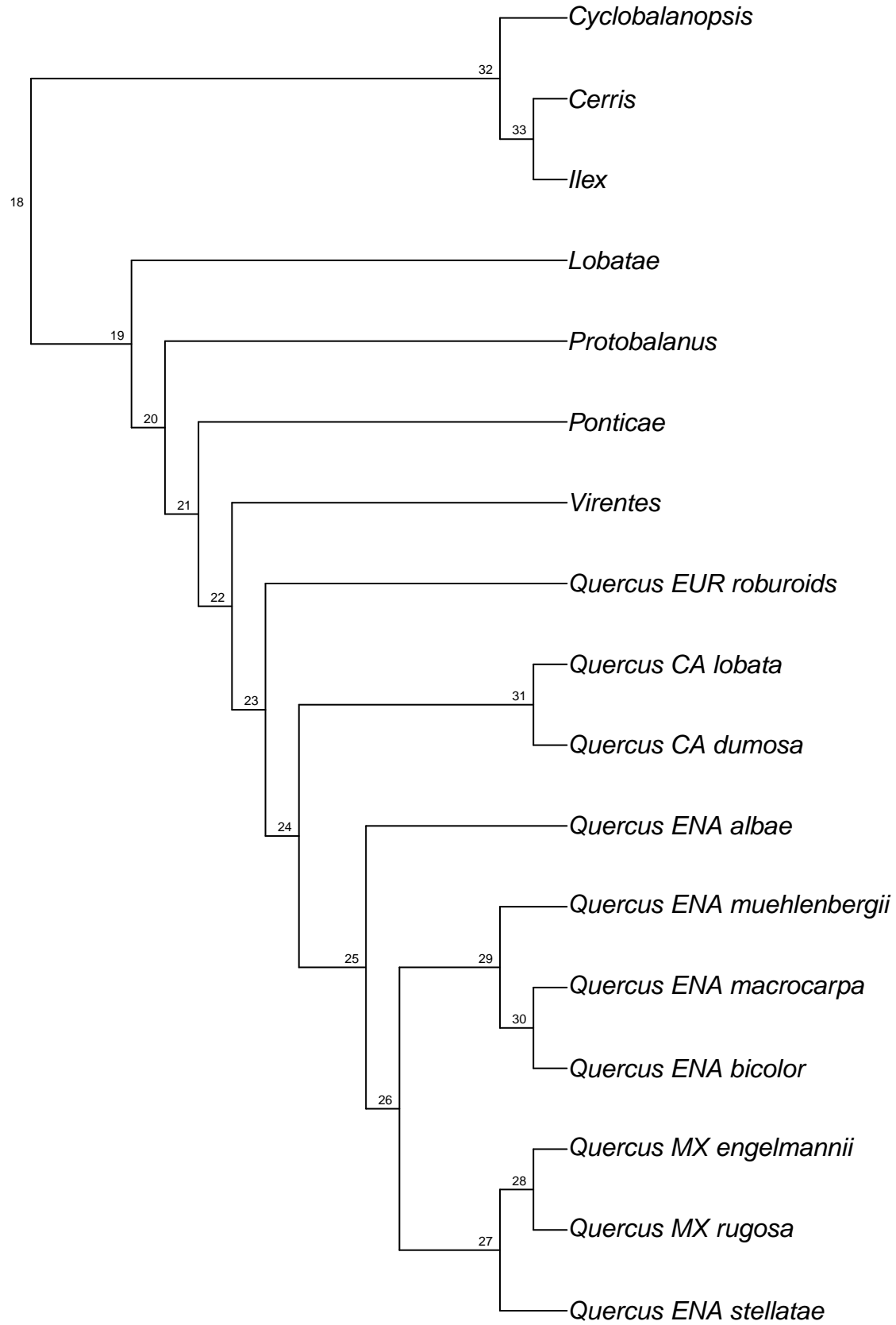
simRAD.simRAD\_Qalba\_raxml.bt035



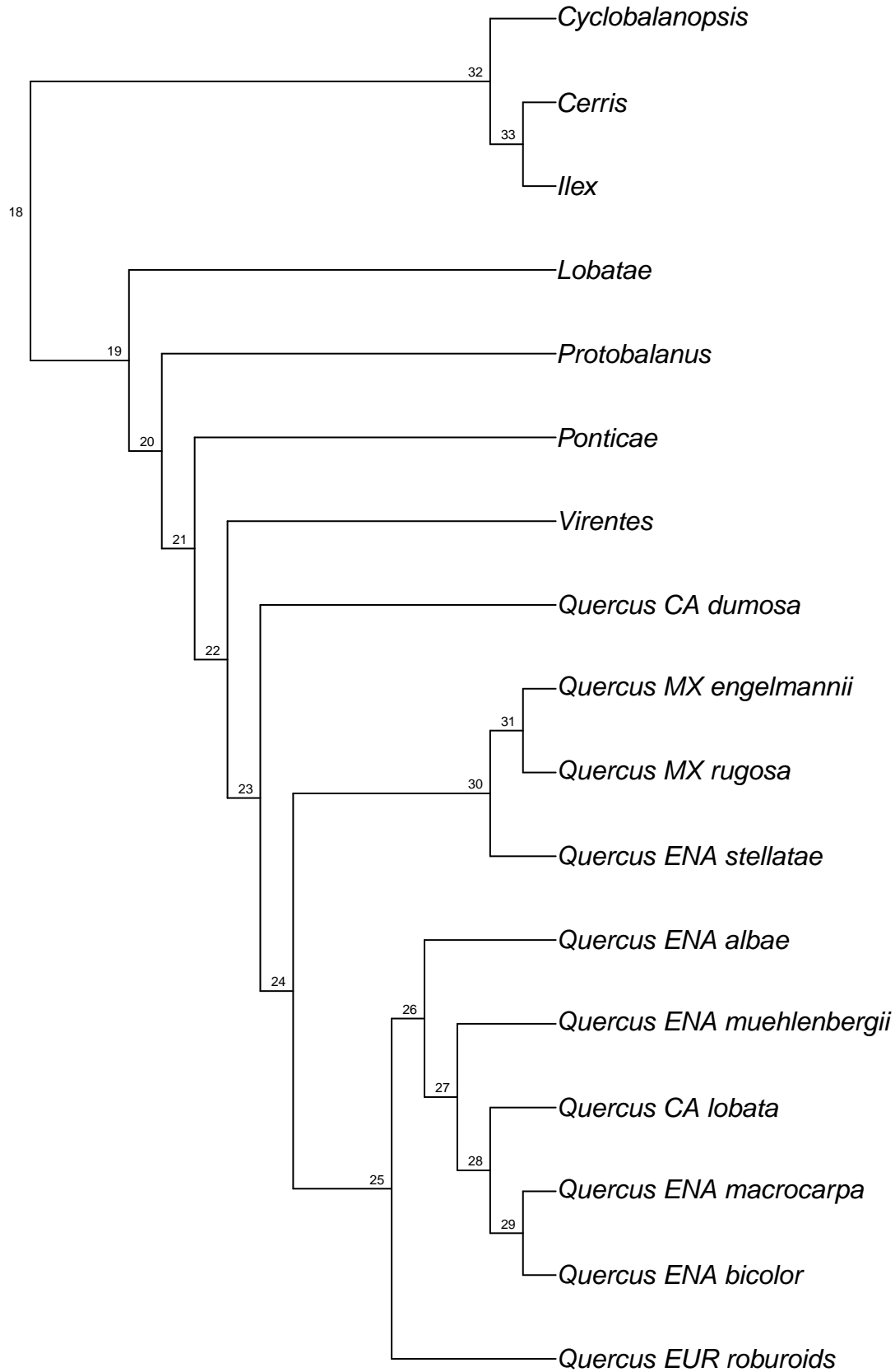
simRAD.simRAD\_Qalba\_raxml.bt036



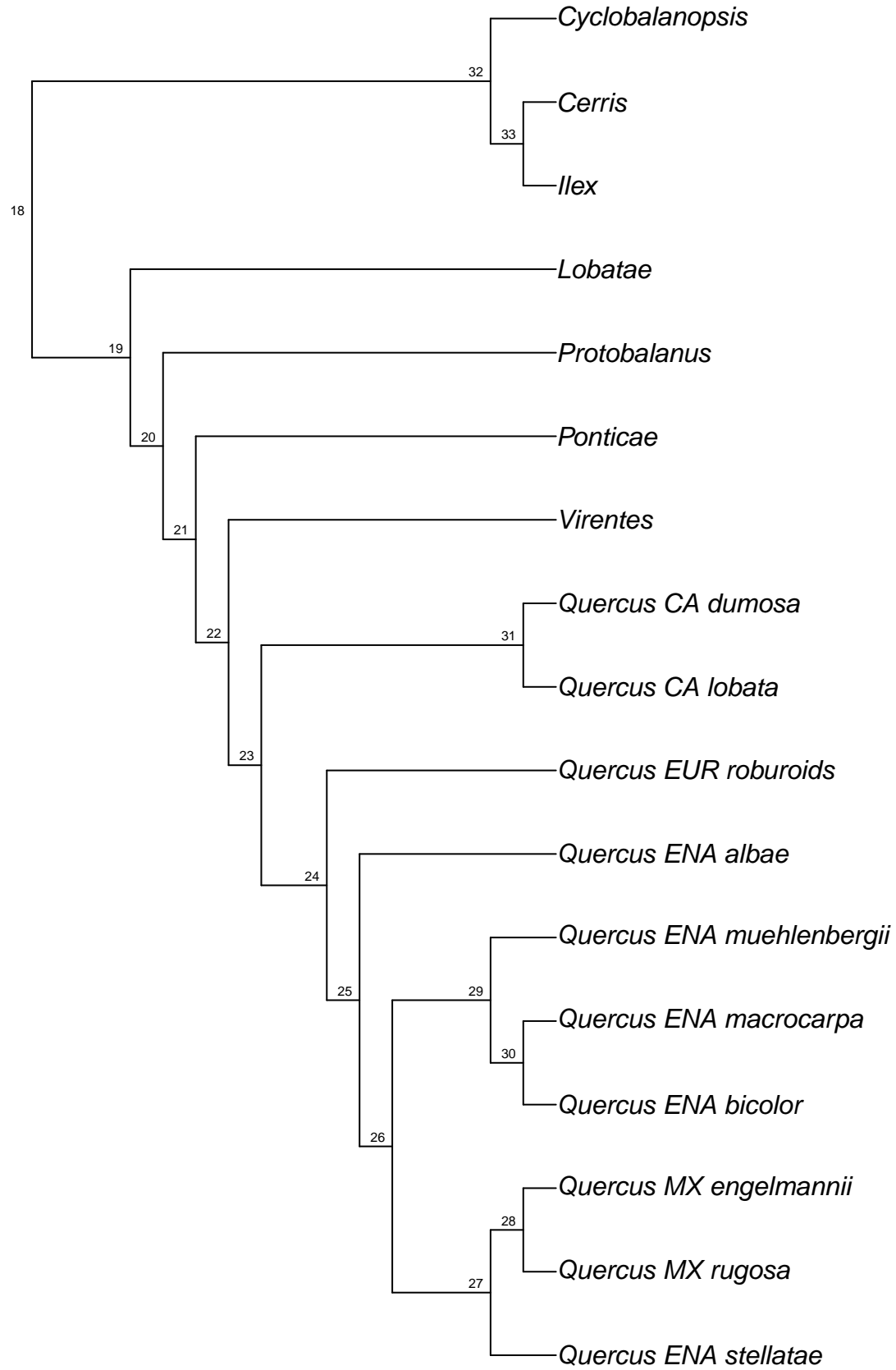
simRAD.simRAD\_Qalba\_raxml.bt037



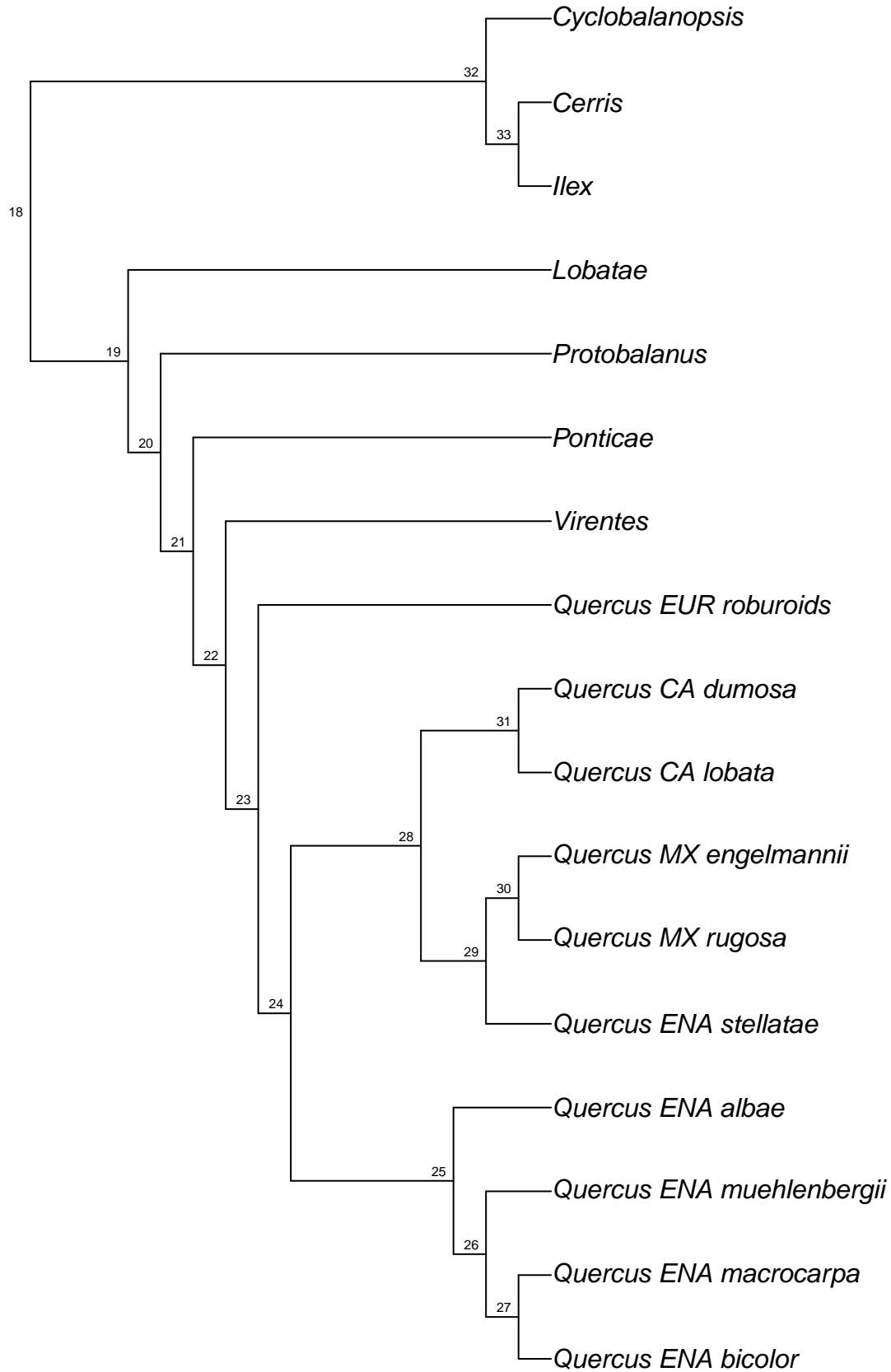
simRAD.simRAD\_Qalba\_raxml.bt038



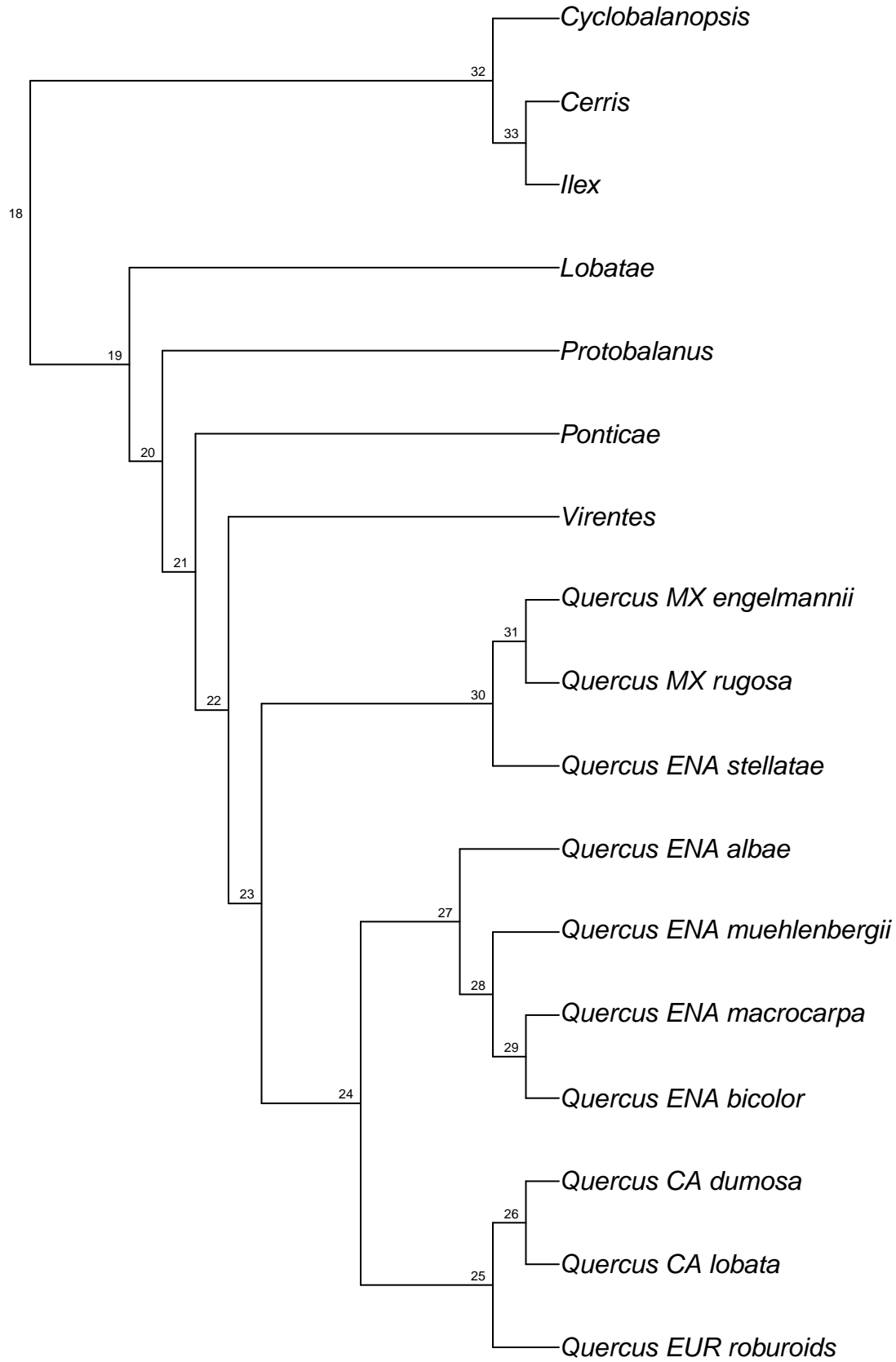
simRAD.simRAD\_Qalba\_raxml.bt039



simRAD.simRAD\_Qalba\_raxml.bt040

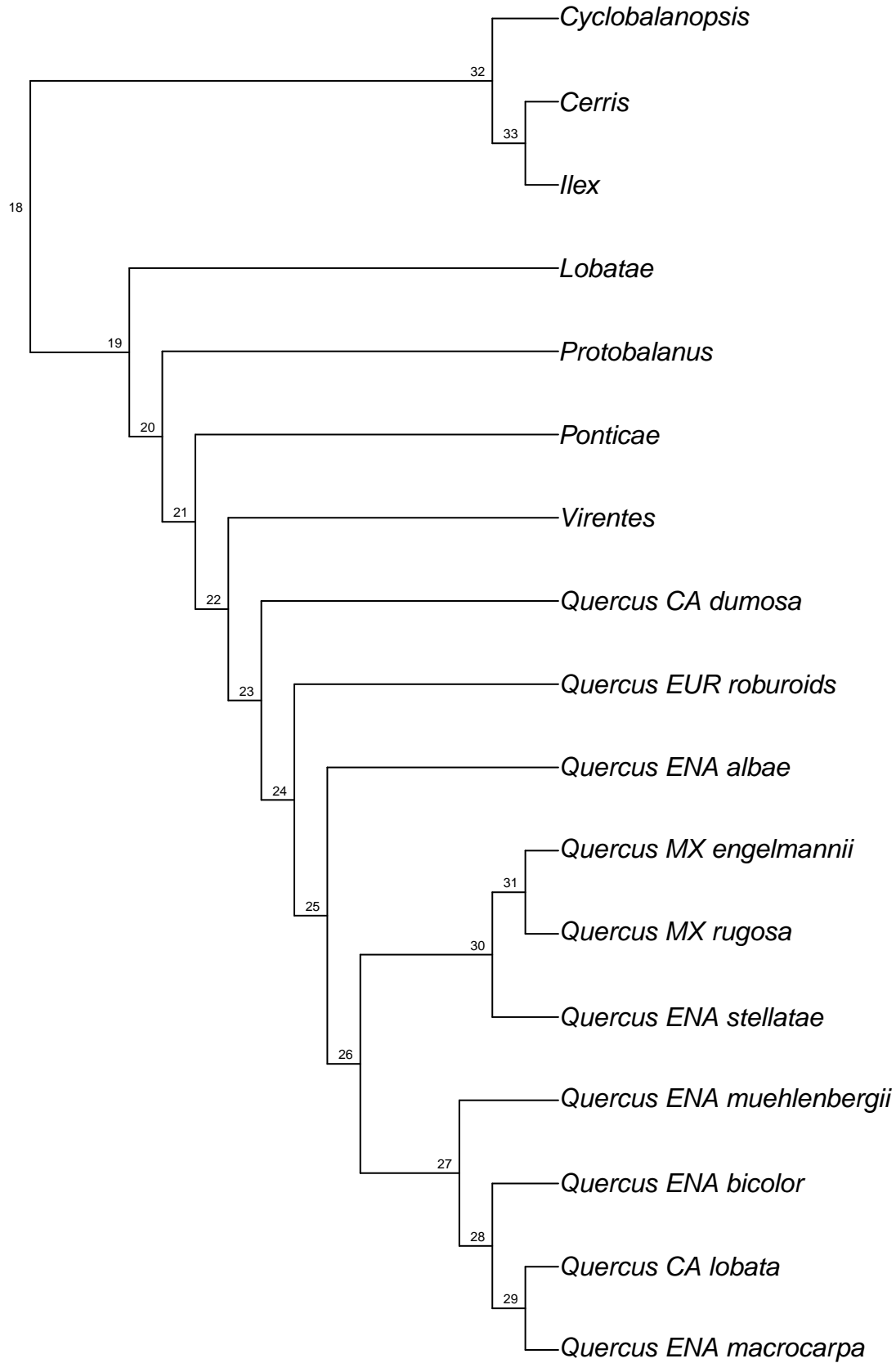


simRAD.simRAD\_Qalba\_raxml.bt041

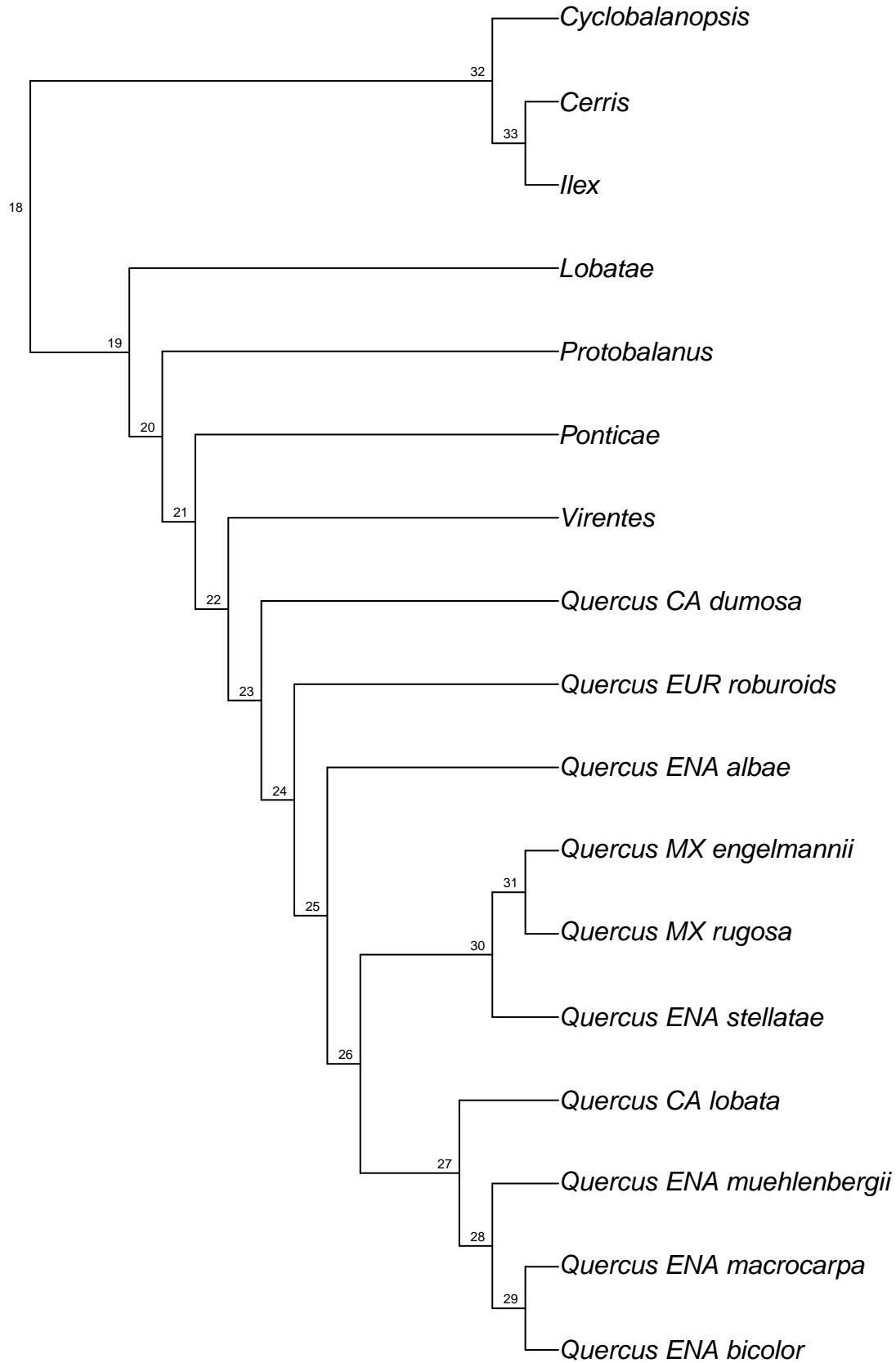




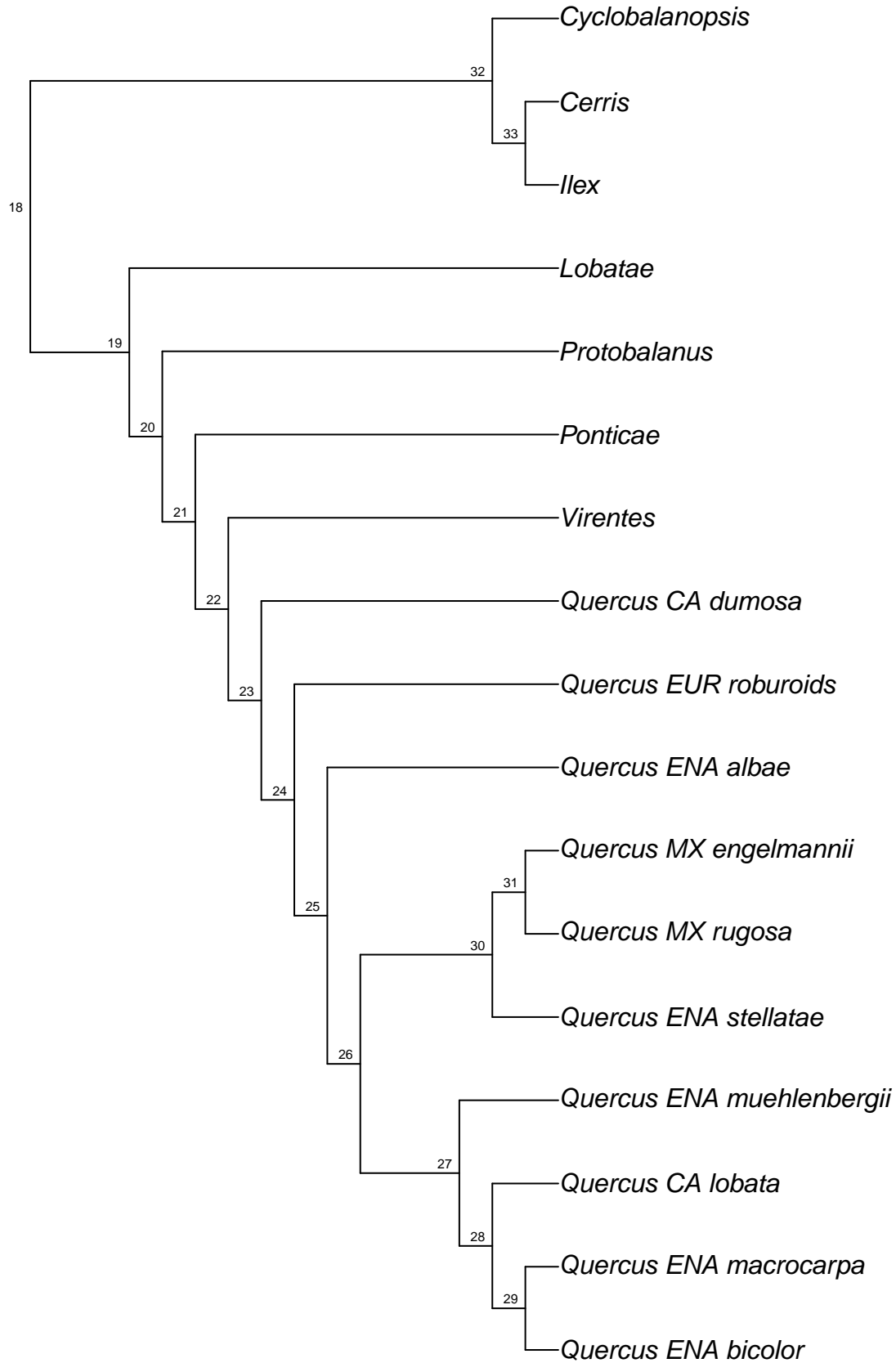
simRAD.simRAD\_Qalba\_raxml.bt042



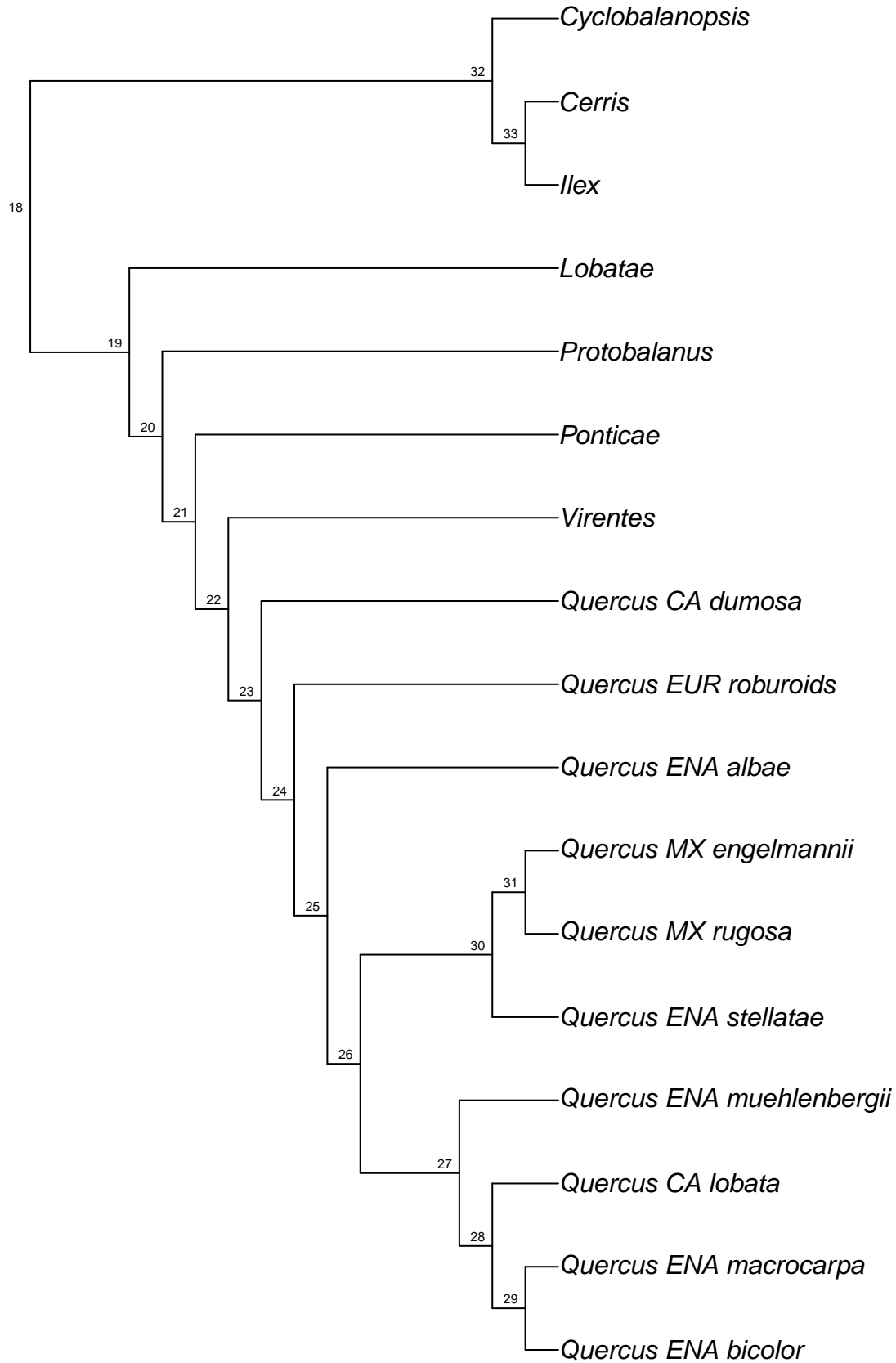
simRAD.simRAD\_Qalba\_raxml.bt043



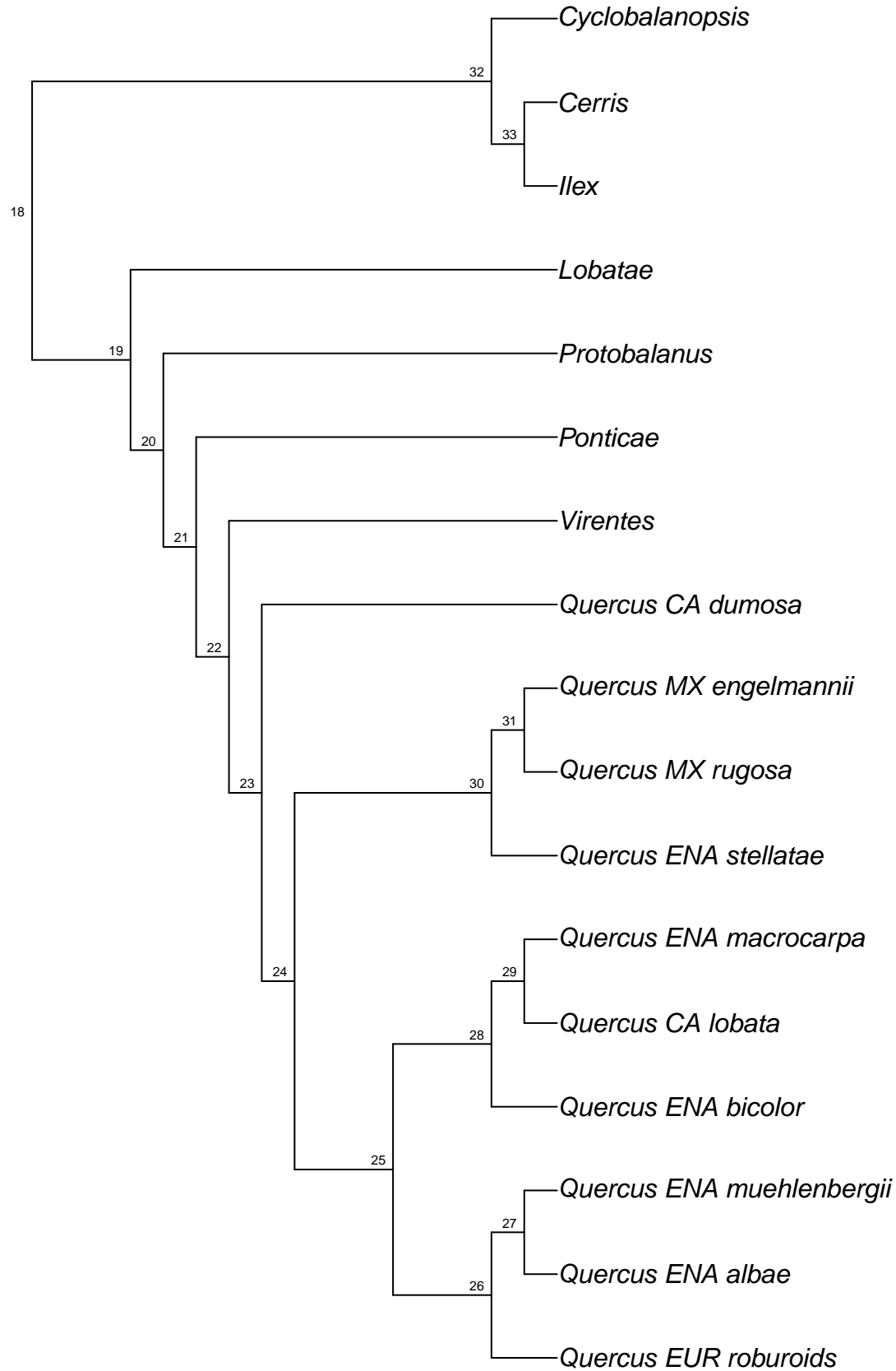
simRAD.simRAD\_Qalba\_raxml.bt044



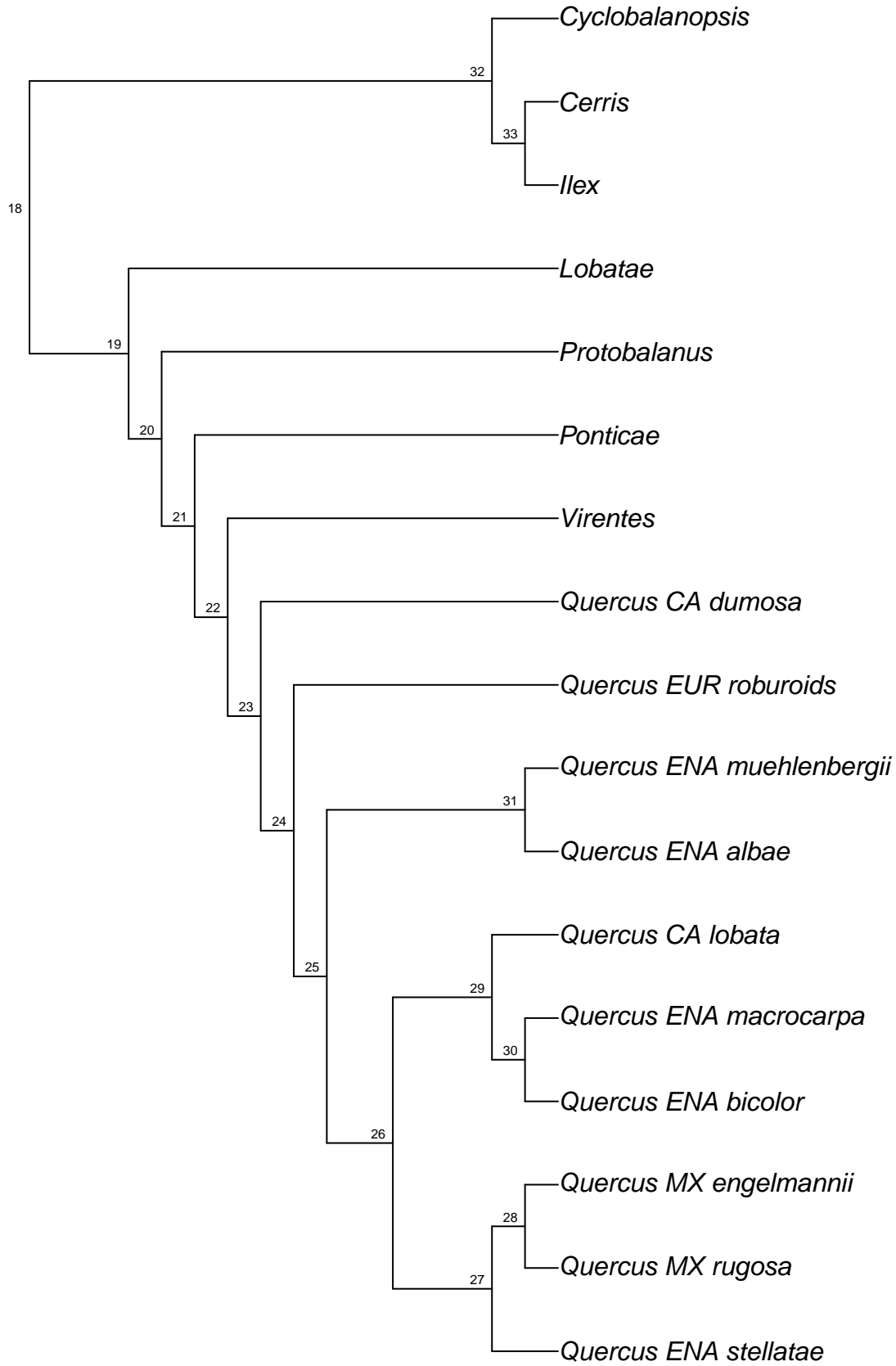
simRAD.simRAD\_Qalba\_raxml.bt045



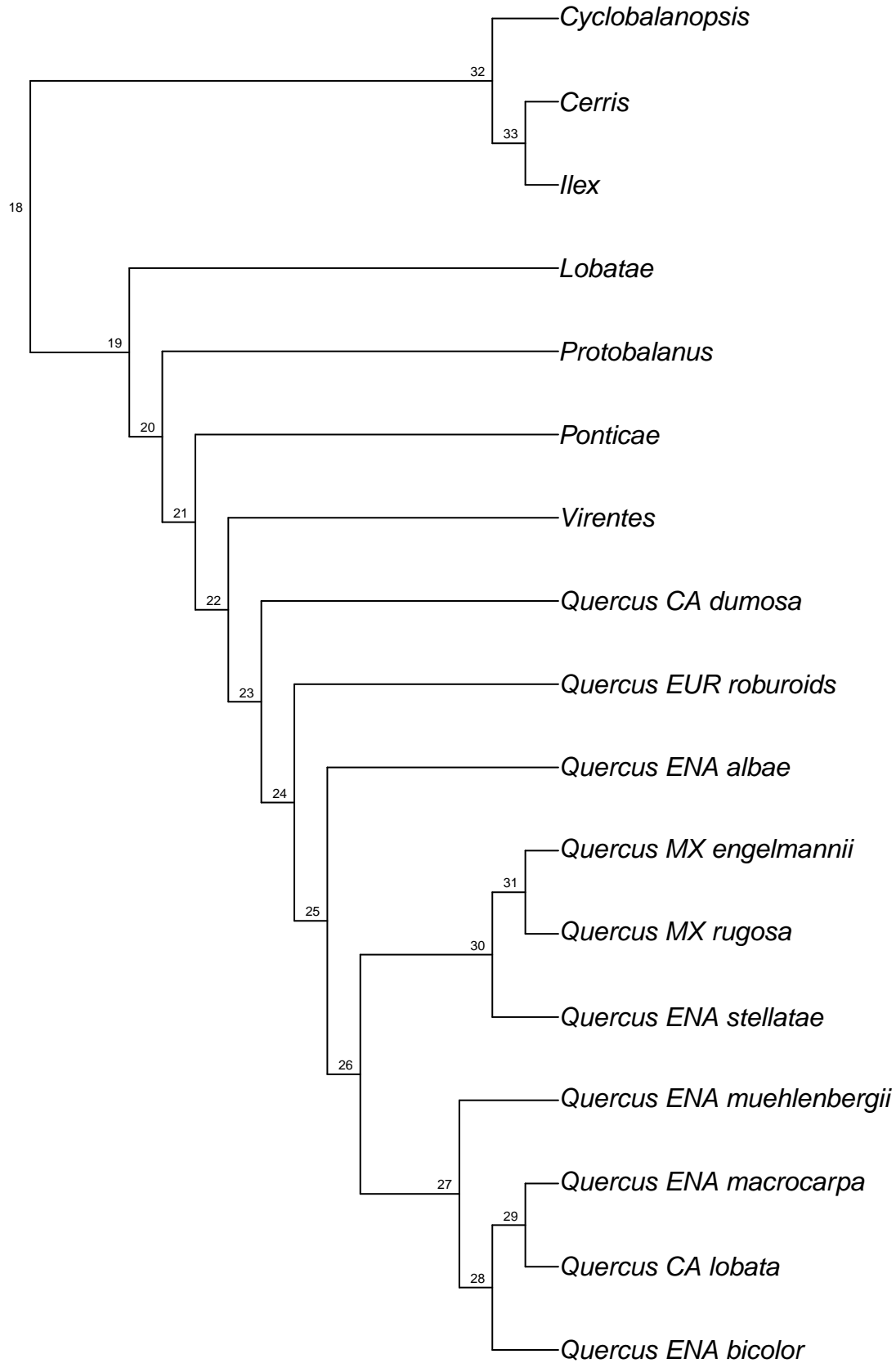
simRAD.simRAD\_Qalba\_raxml.bt046



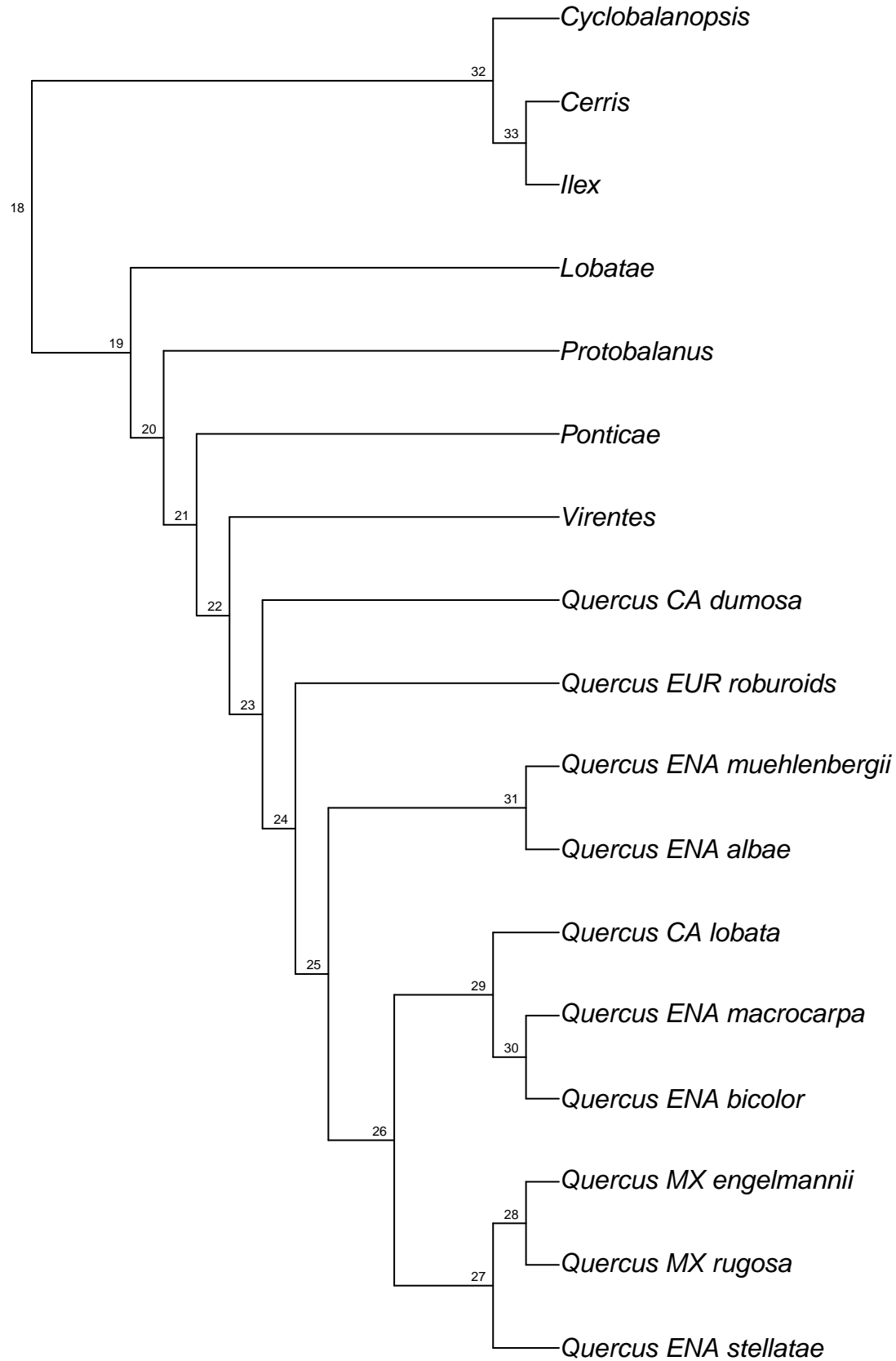
simRAD.simRAD\_Qalba\_raxml.bt047



simRAD.simRAD\_Qalba\_raxml.bt048

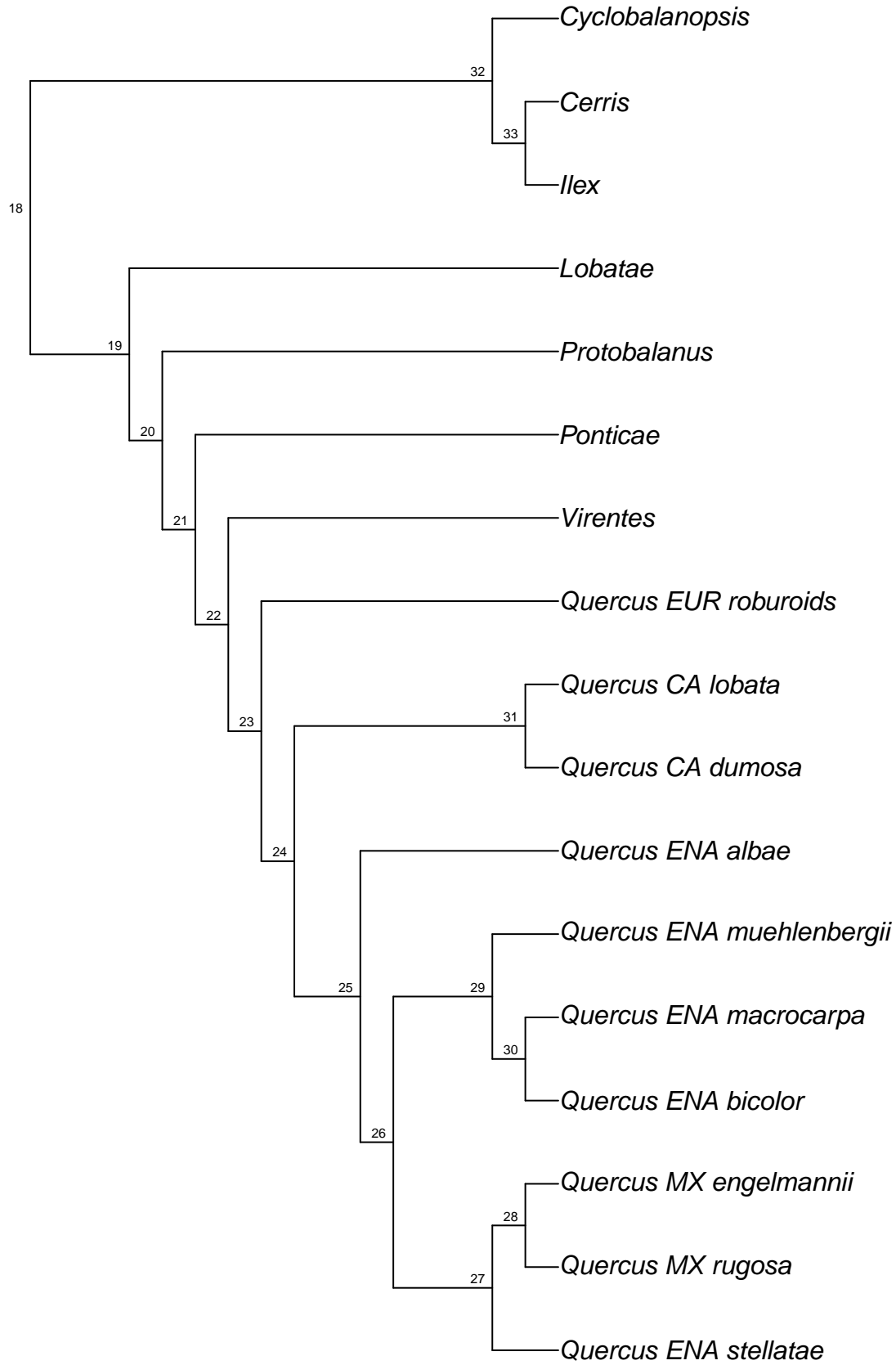


simRAD.simRAD\_Qalba\_raxml.bt049

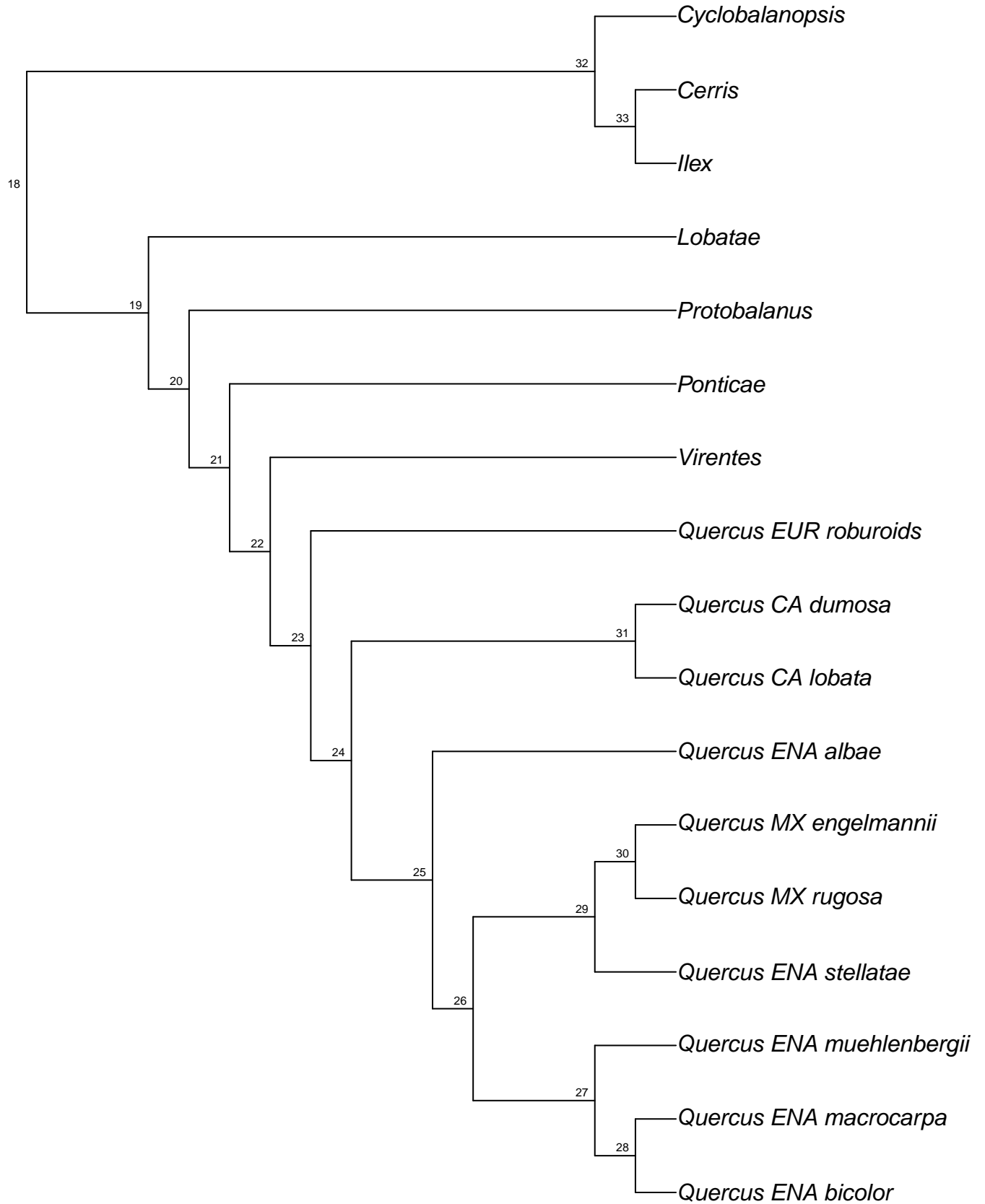




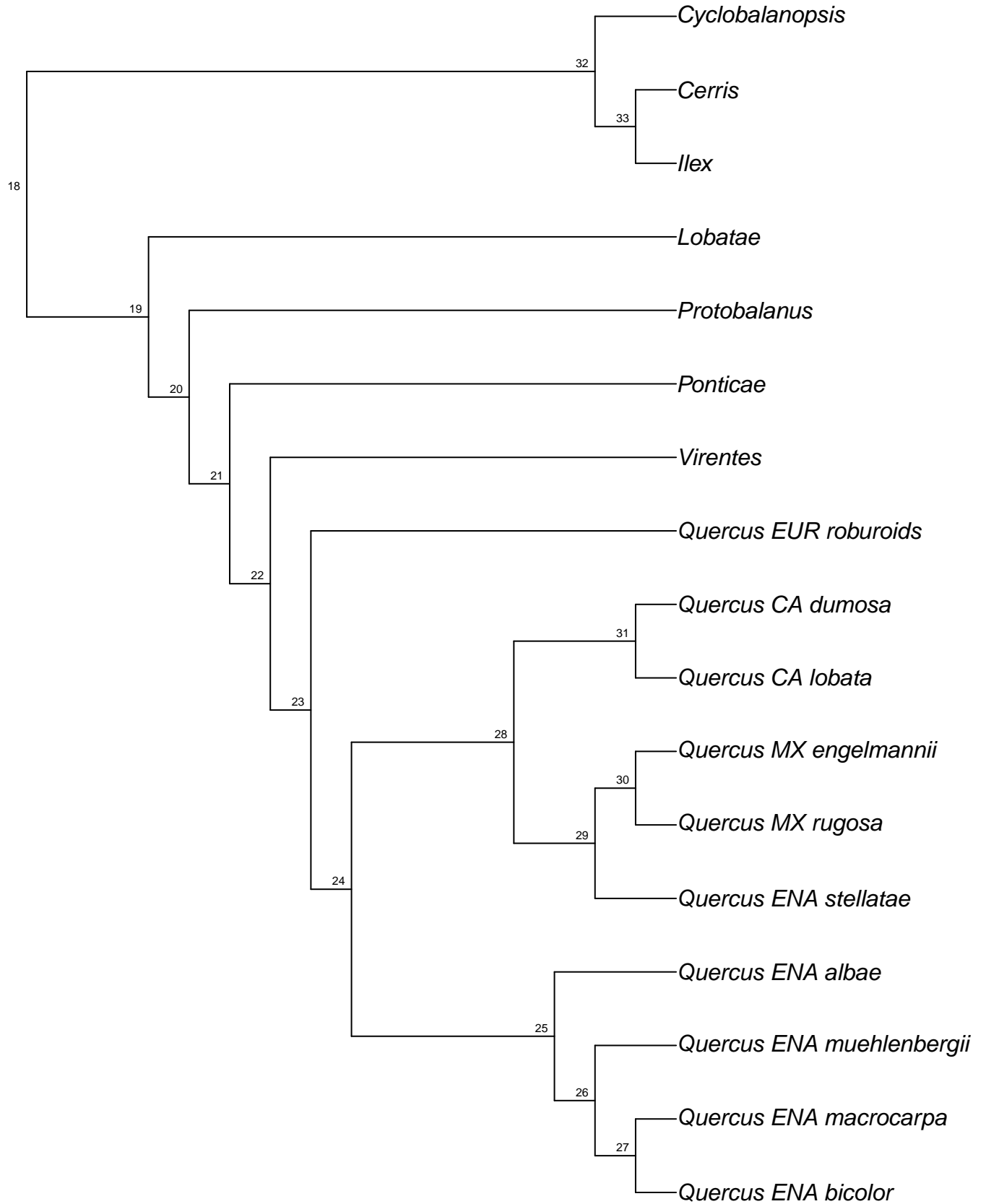
simRAD.simRAD\_Qalba\_raxml.bt050



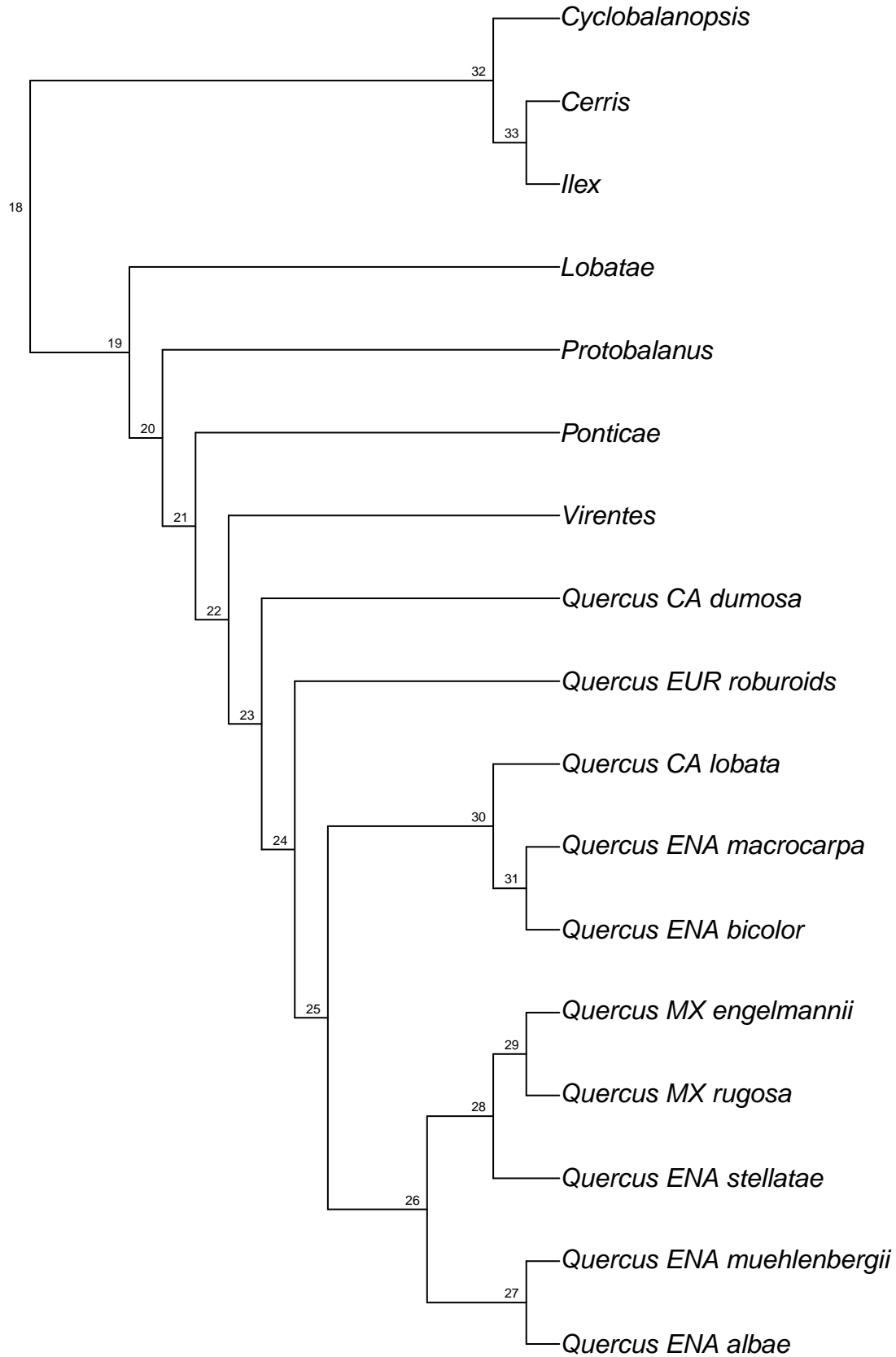
simRAD.simRAD\_Qalba\_raxml.bt051



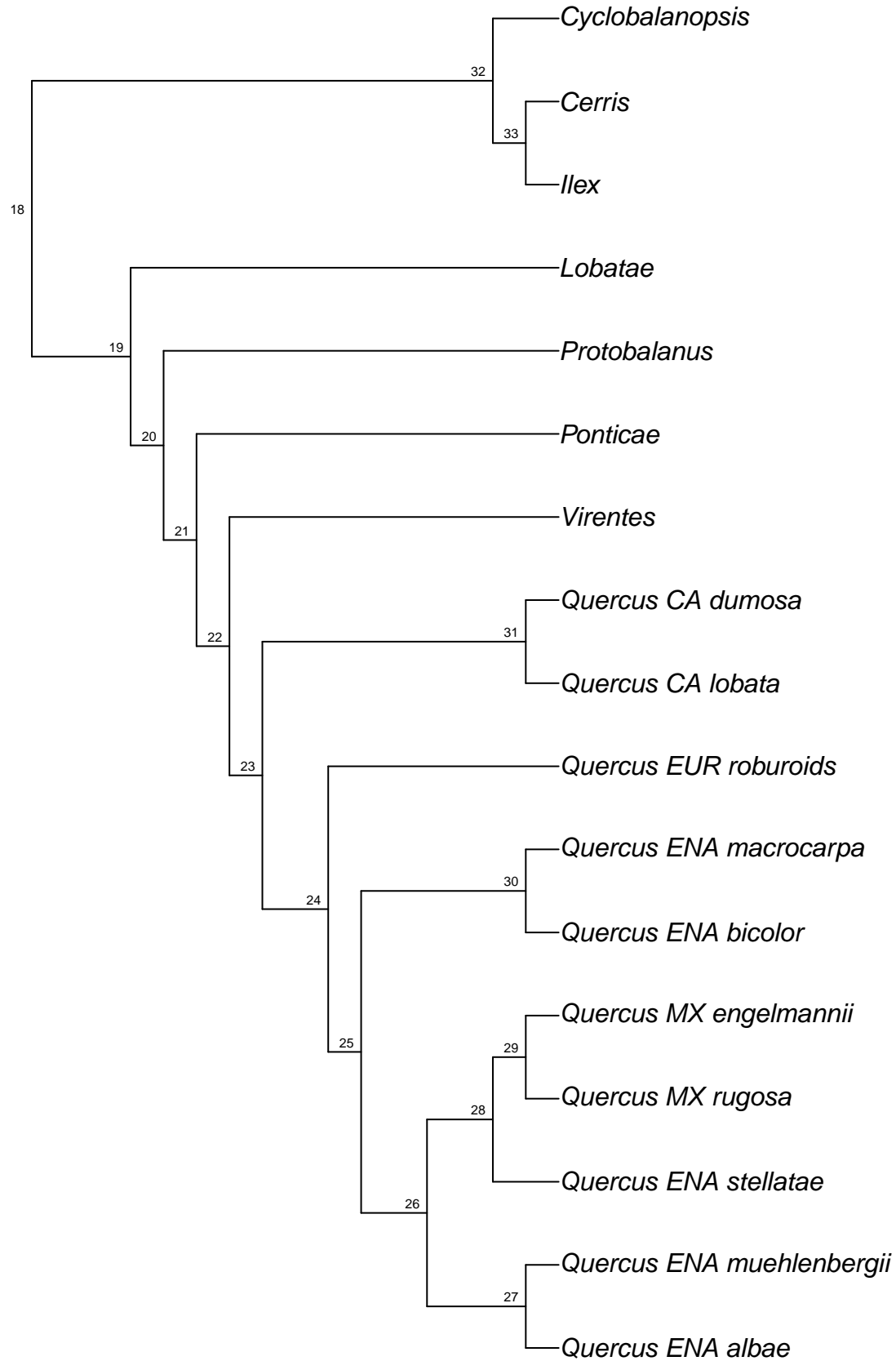
simRAD.simRAD\_Qalba\_raxml.bt052



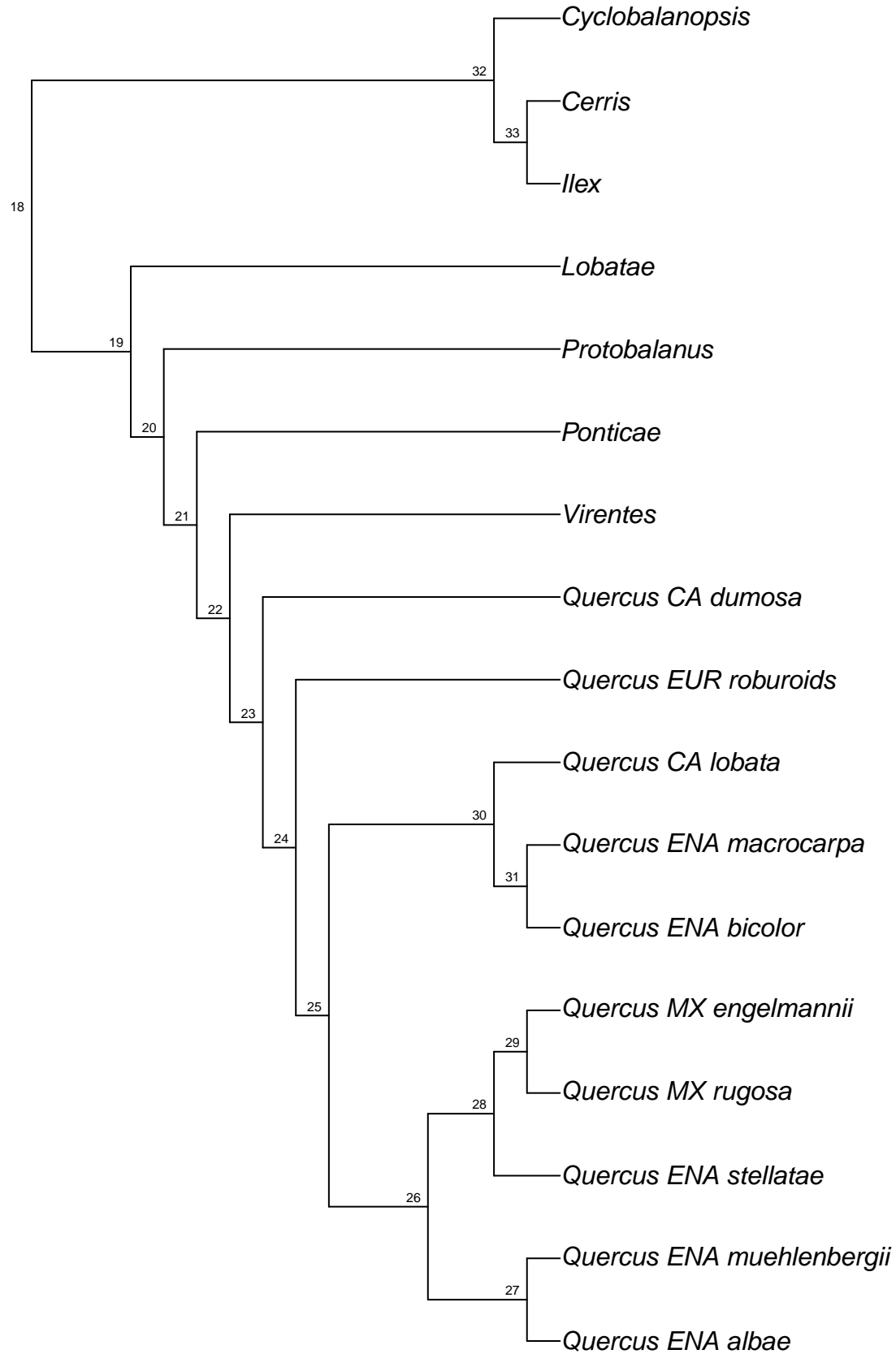
simRAD.simRAD\_Qalba\_raxml.bt053



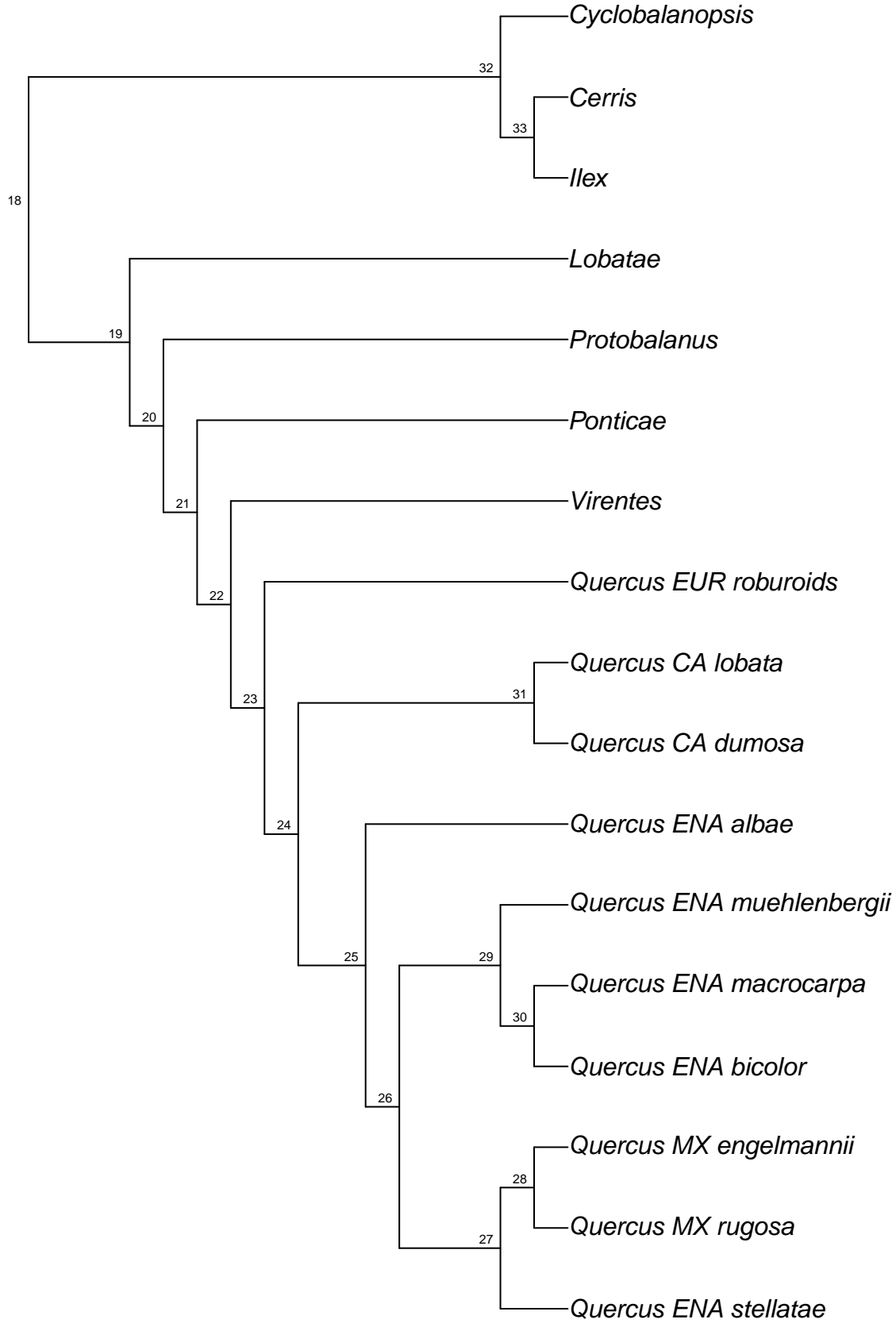
simRAD.simRAD\_Qalba\_raxml.bt054



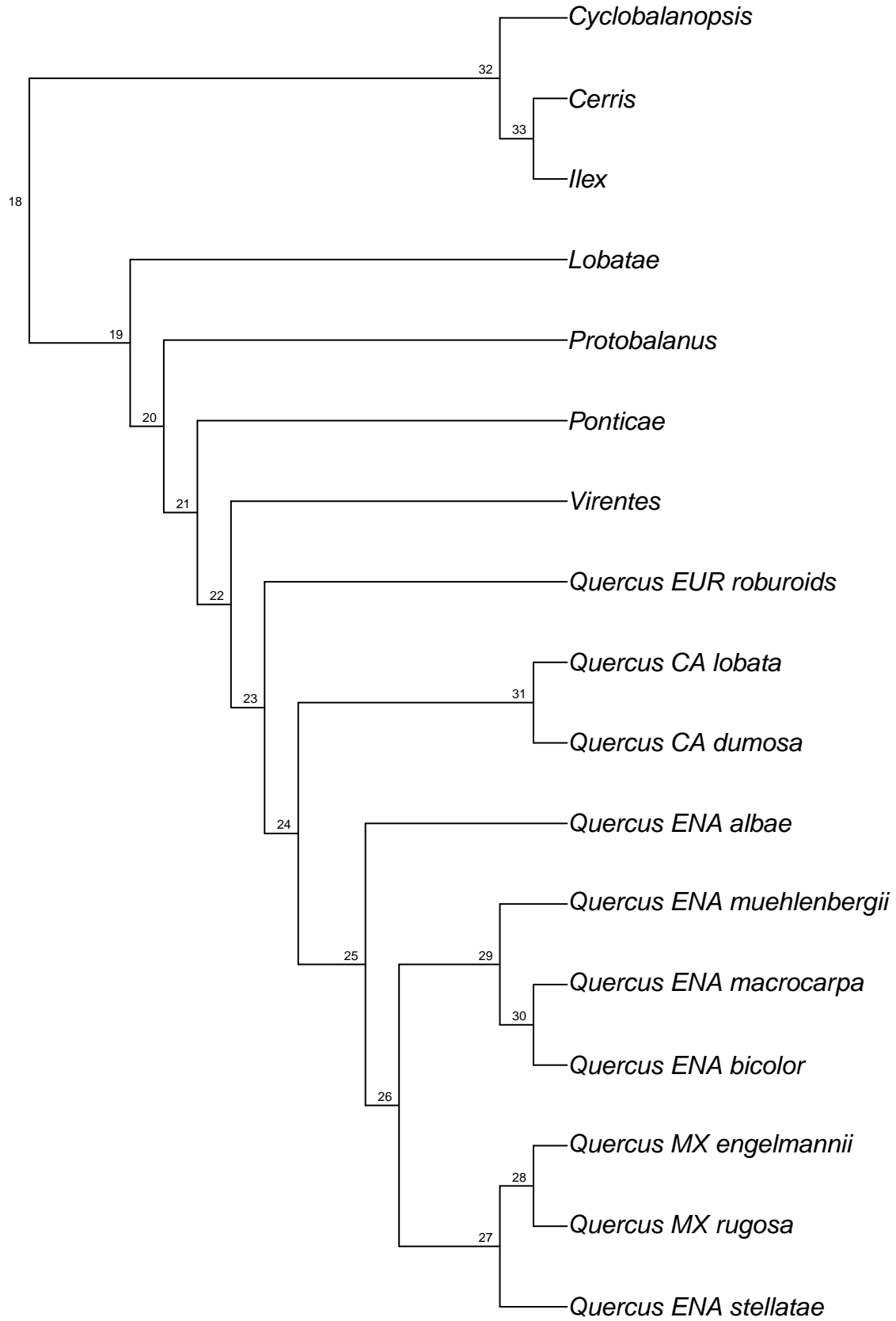
simRAD.simRAD\_Qalba\_raxml.bt055



**simRAD.simRAD\_Qalba\_raxml.bt056**

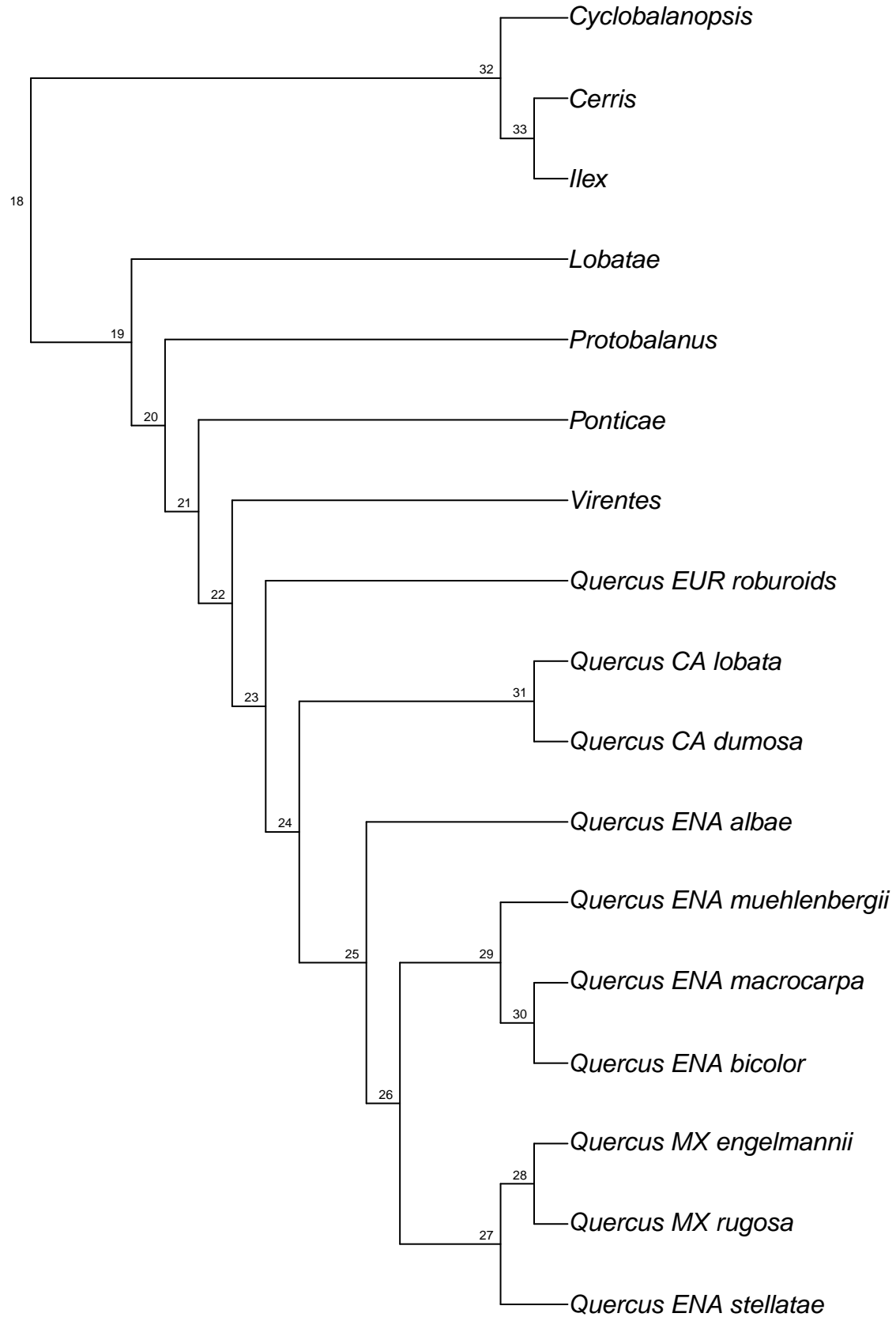


simRAD.simRAD\_Qalba\_raxml.bt057

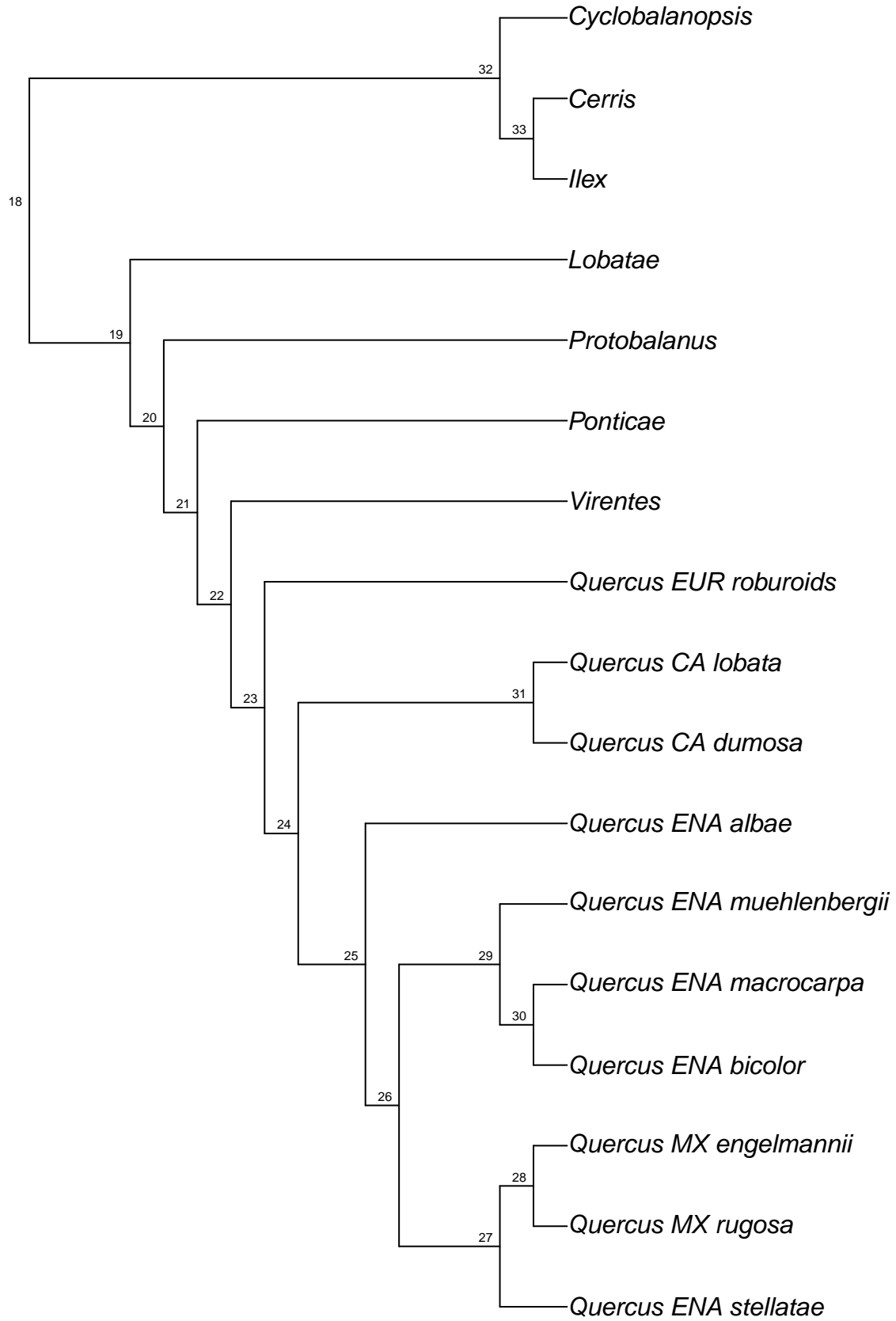




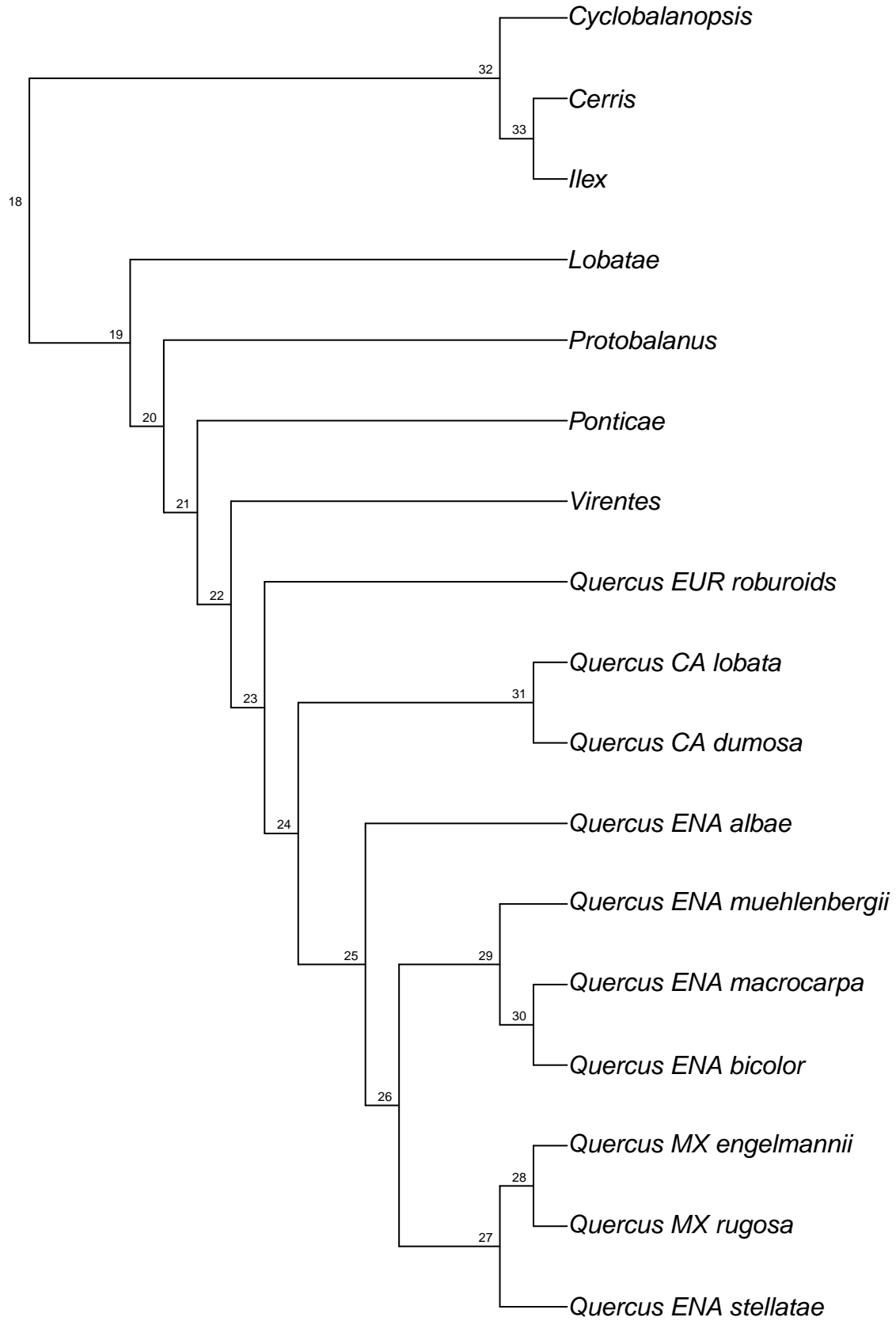
simRAD.simRAD\_Qalba\_raxml.bt058



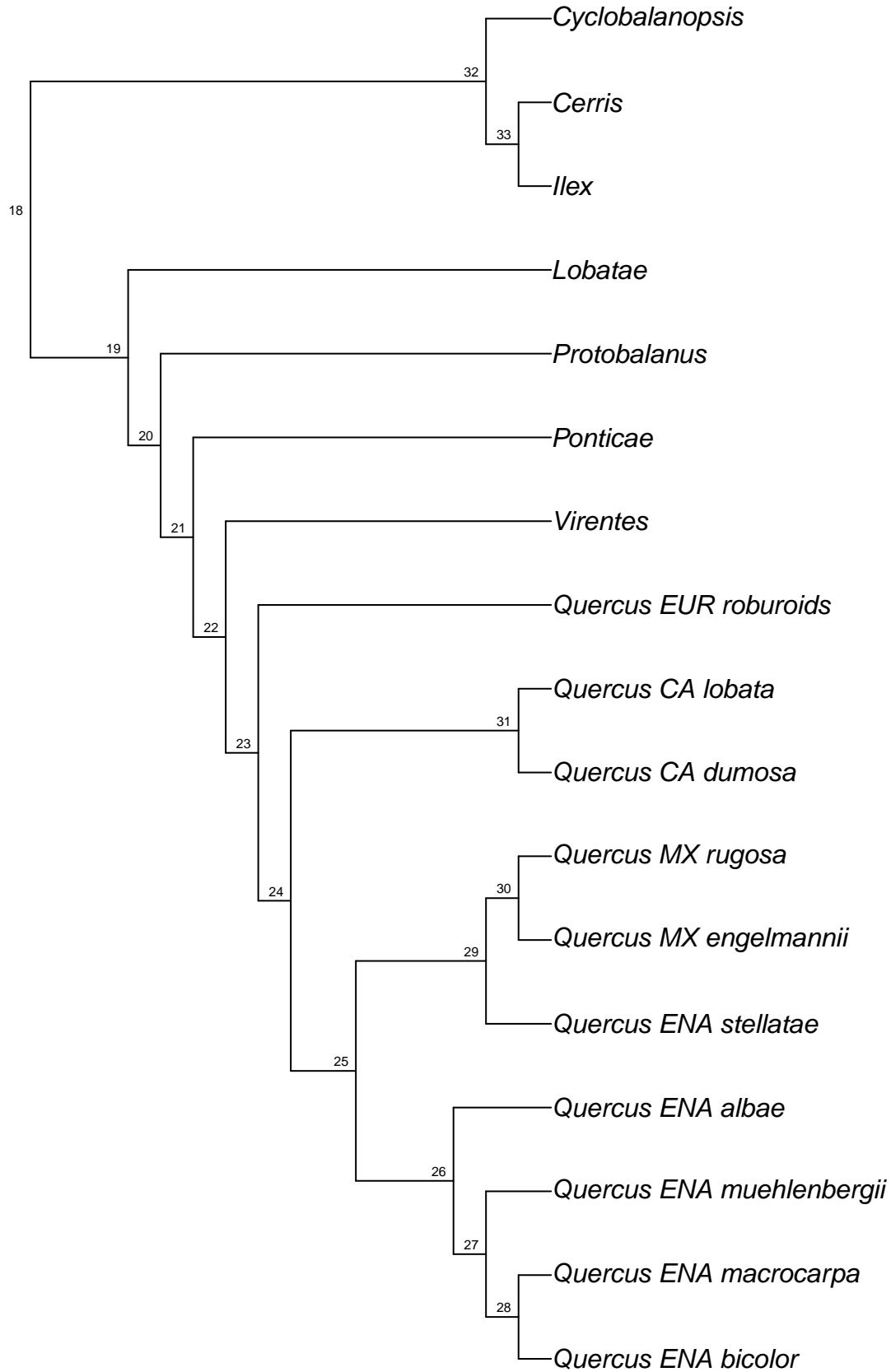
simRAD.simRAD\_Qalba\_raxml.bt059



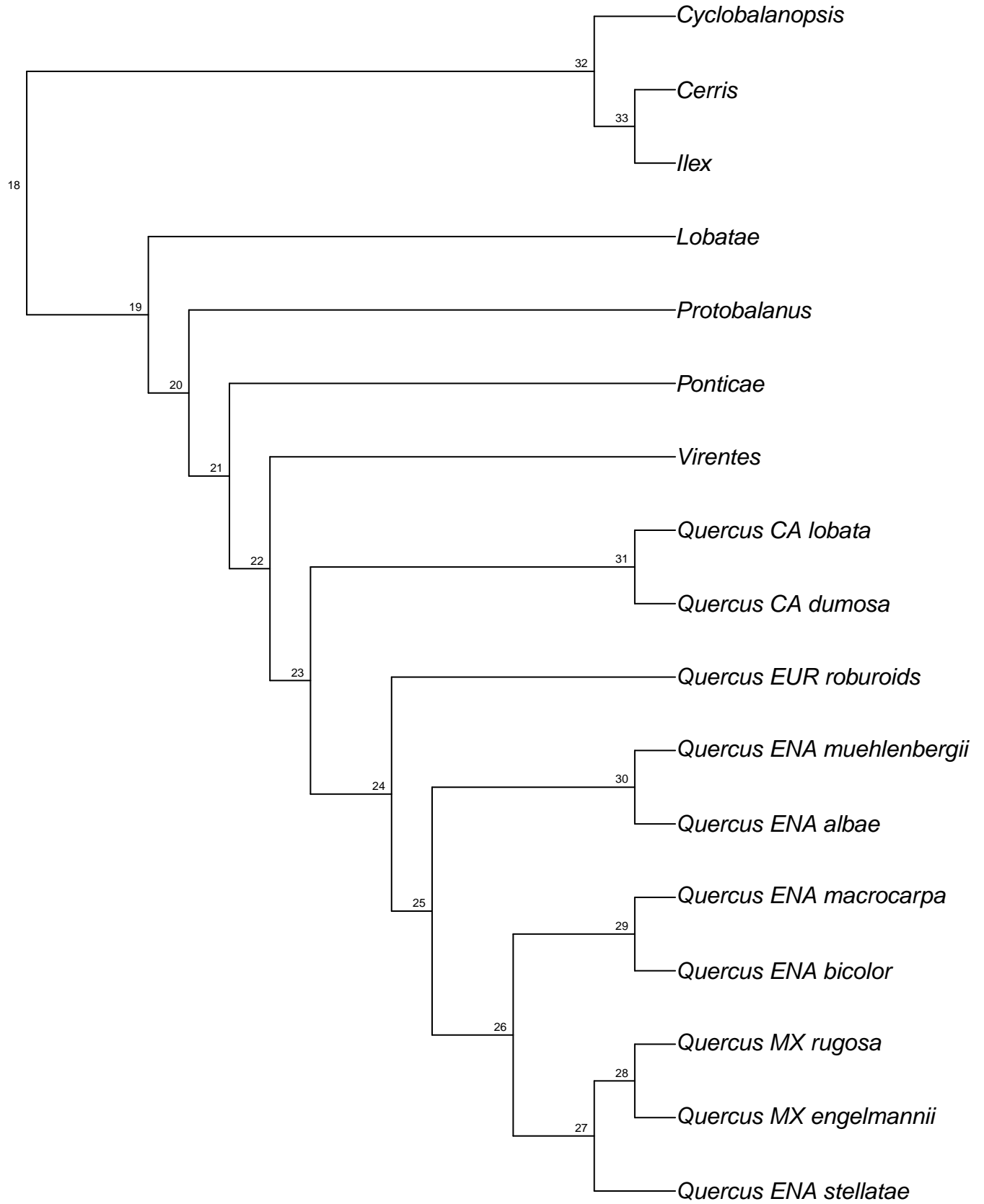
simRAD.simRAD\_Qalba\_raxml.bt060



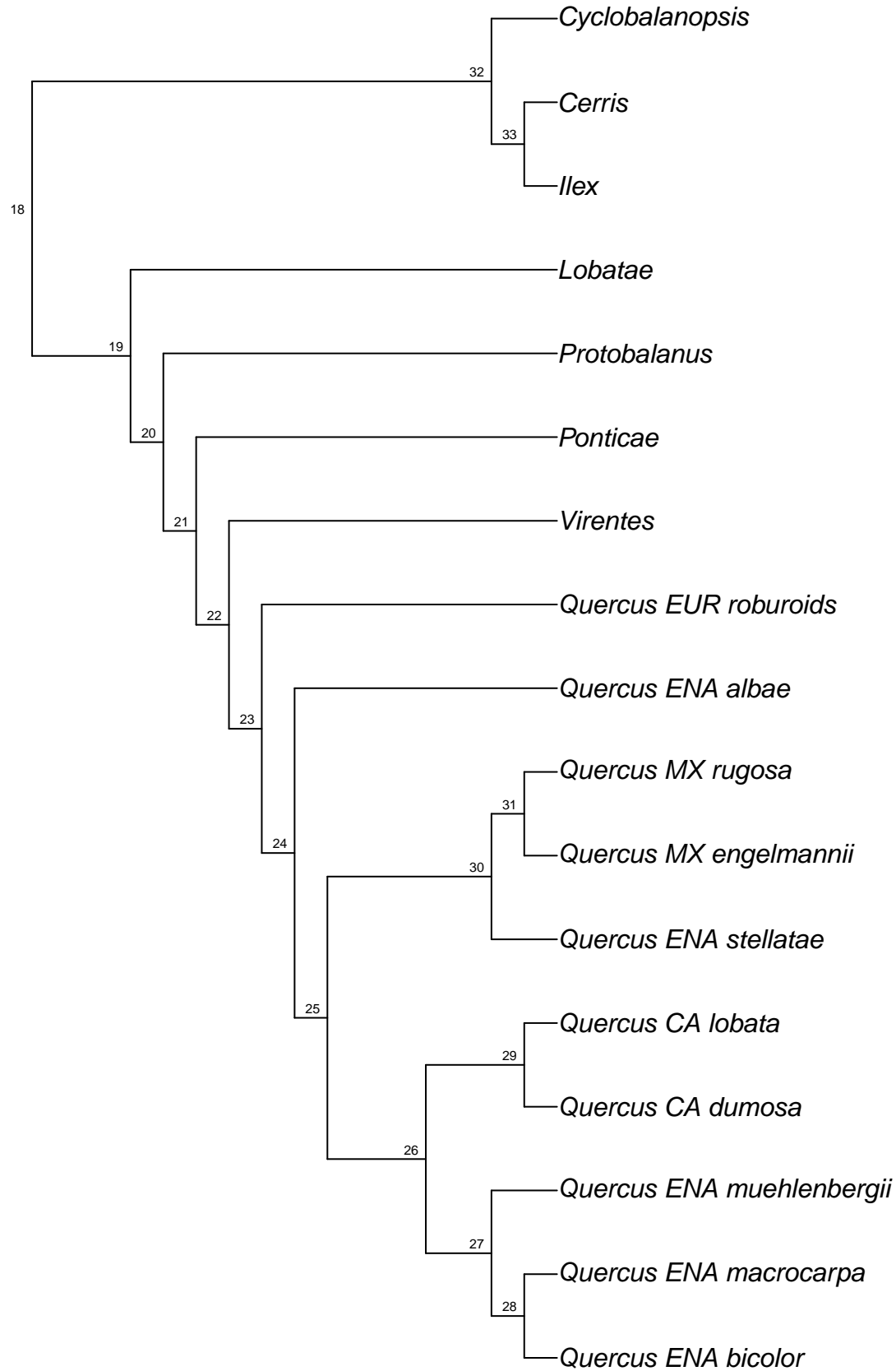
simRAD.simRAD\_Qalba\_raxml.bt061



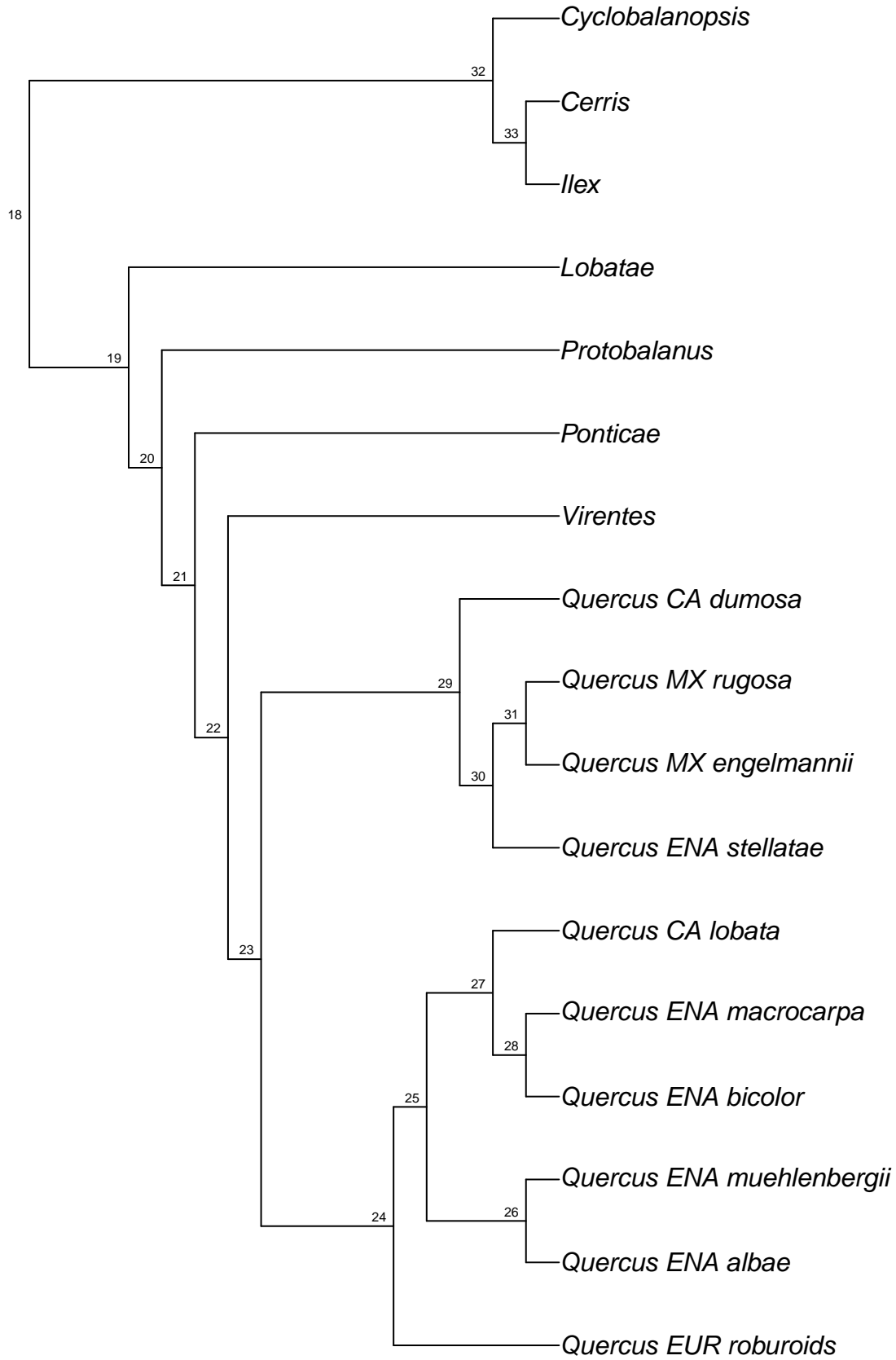
simRAD.simRAD\_Qalba\_raxml.bt062



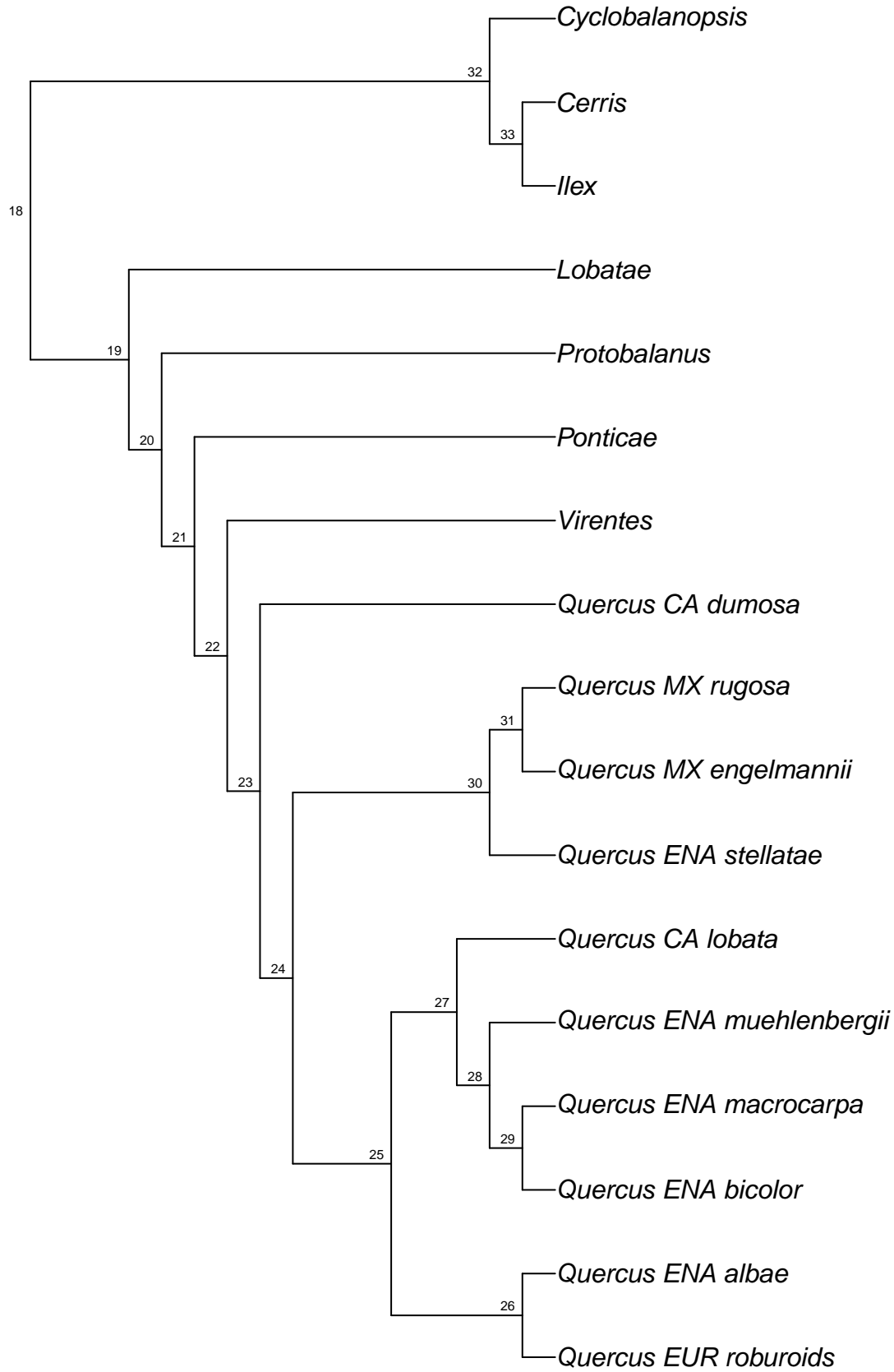
simRAD.simRAD\_Qalba\_raxml.bt063



simRAD.simRAD\_Qalba\_raxml.bt064

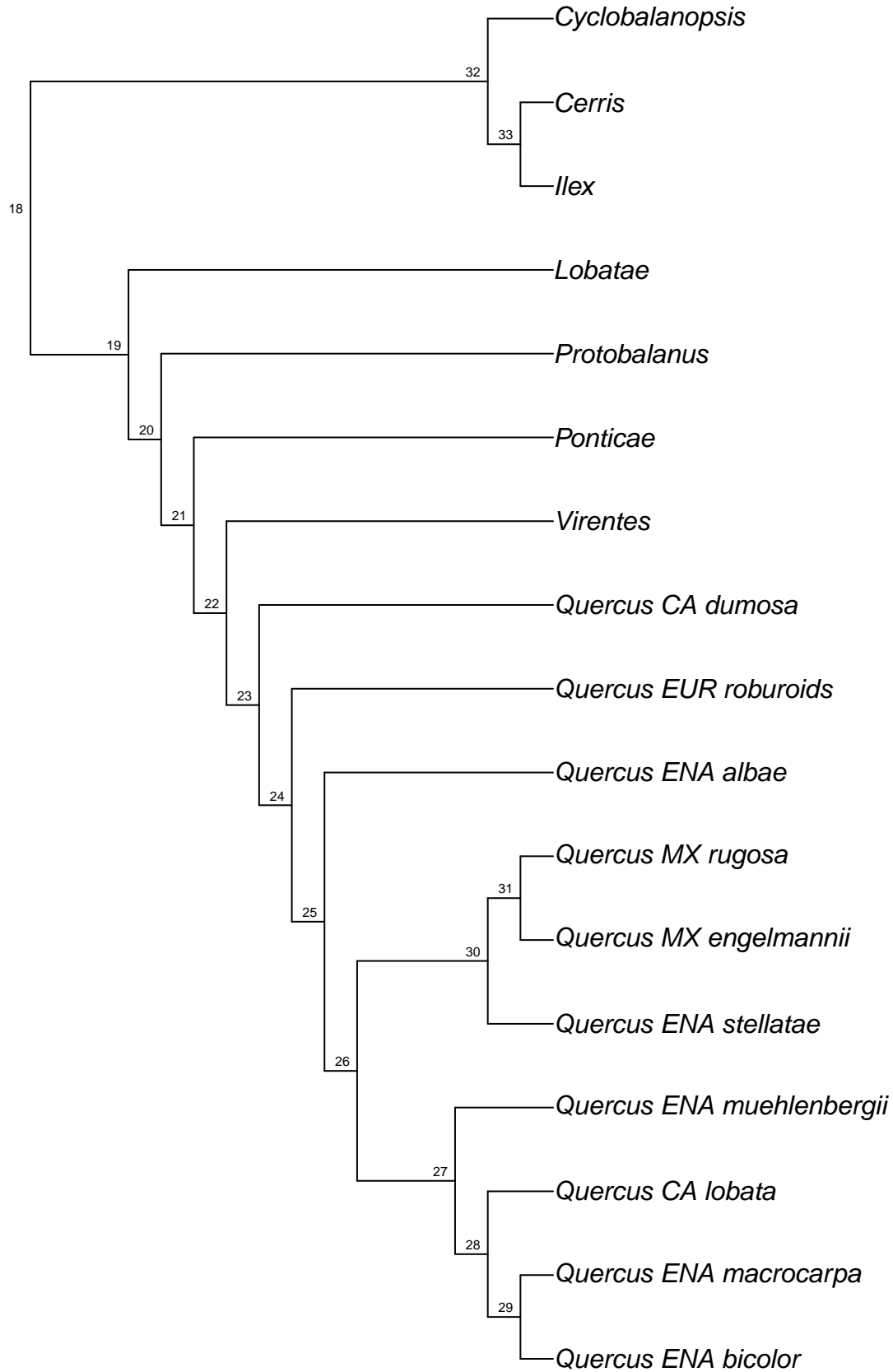


simRAD.simRAD\_Qalba\_raxml.bt065

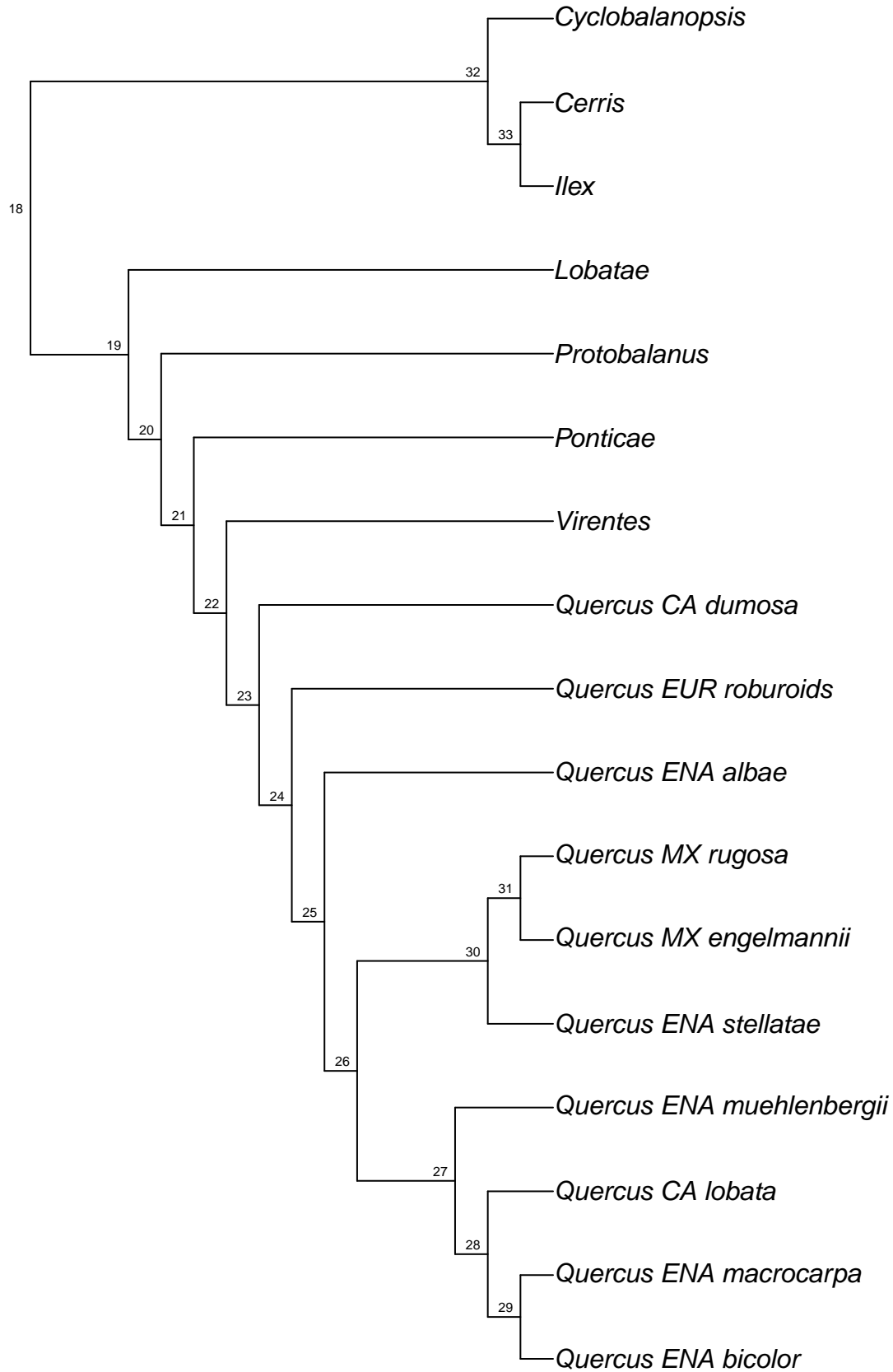




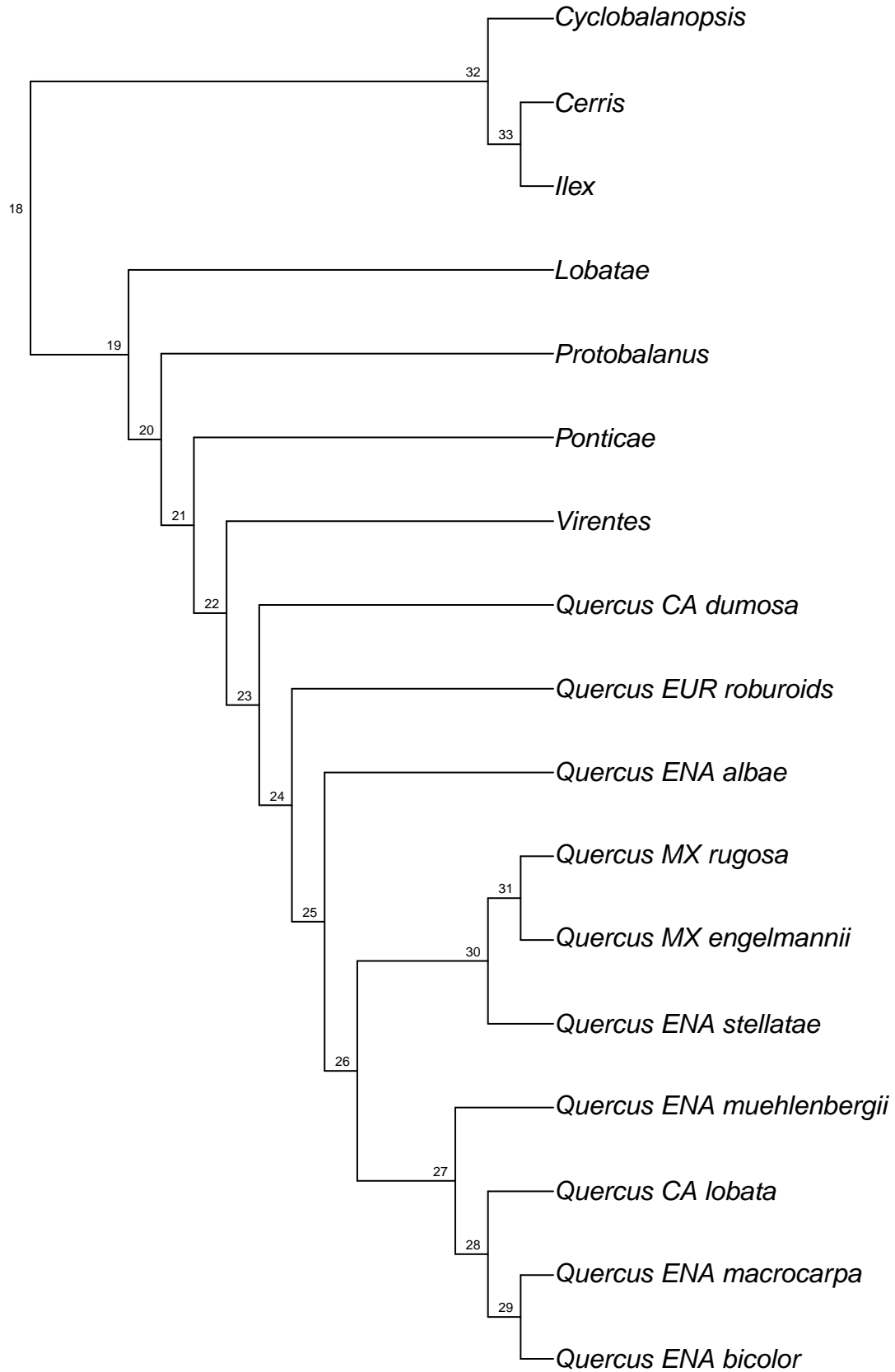
simRAD.simRAD\_Qalba\_raxml.bt066



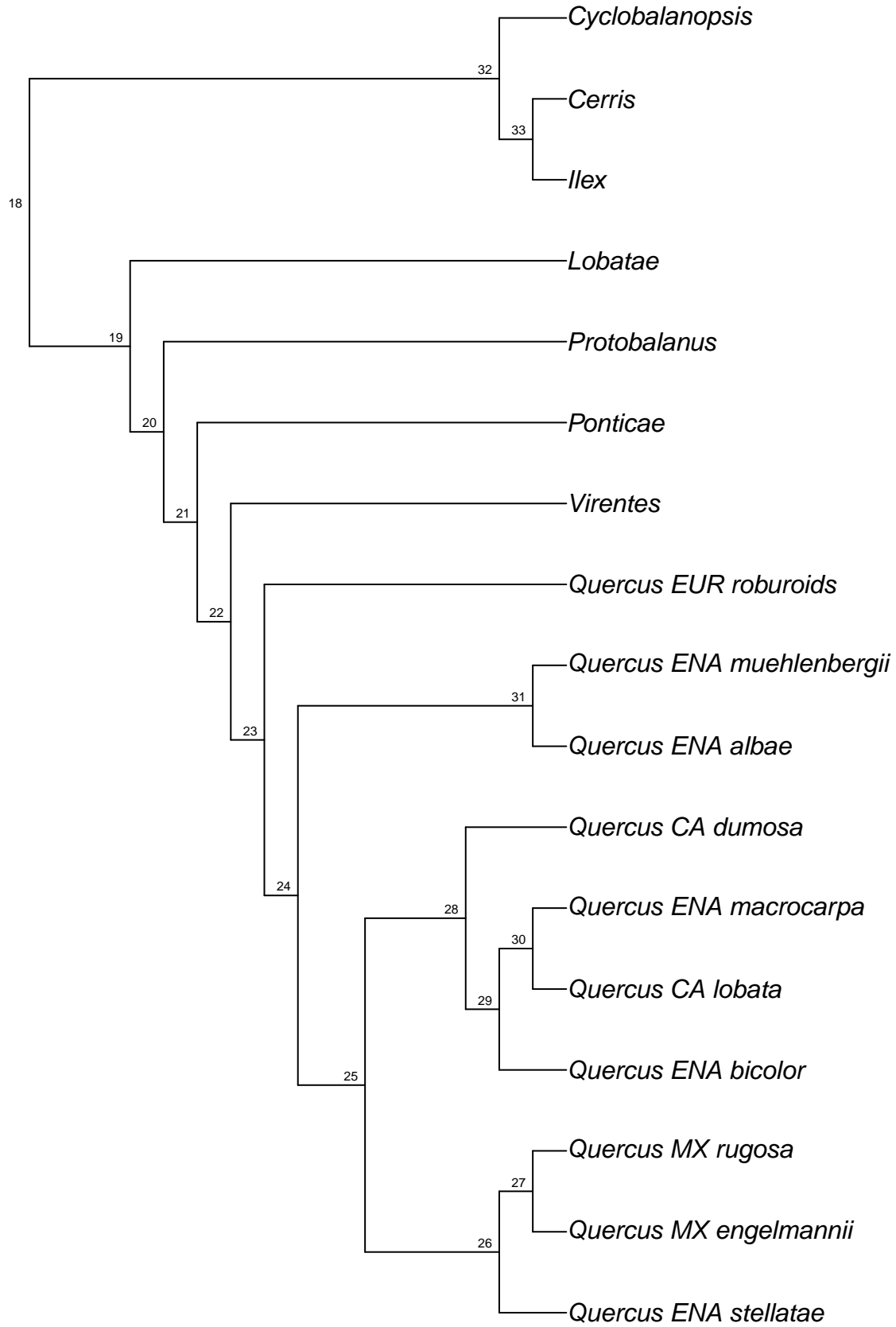
simRAD.simRAD\_Qalba\_raxml.bt067



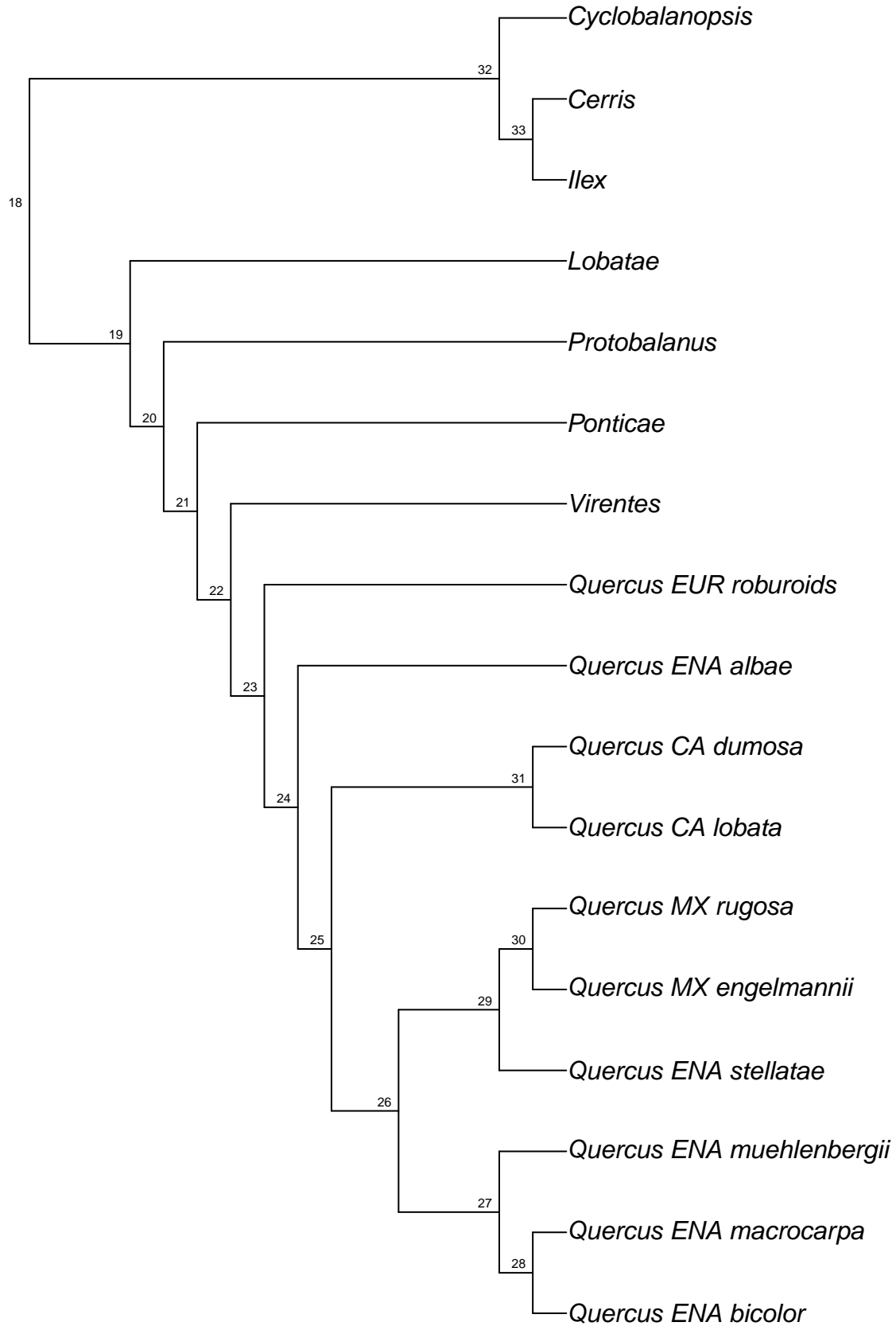
simRAD.simRAD\_Qalba\_raxml.bt068



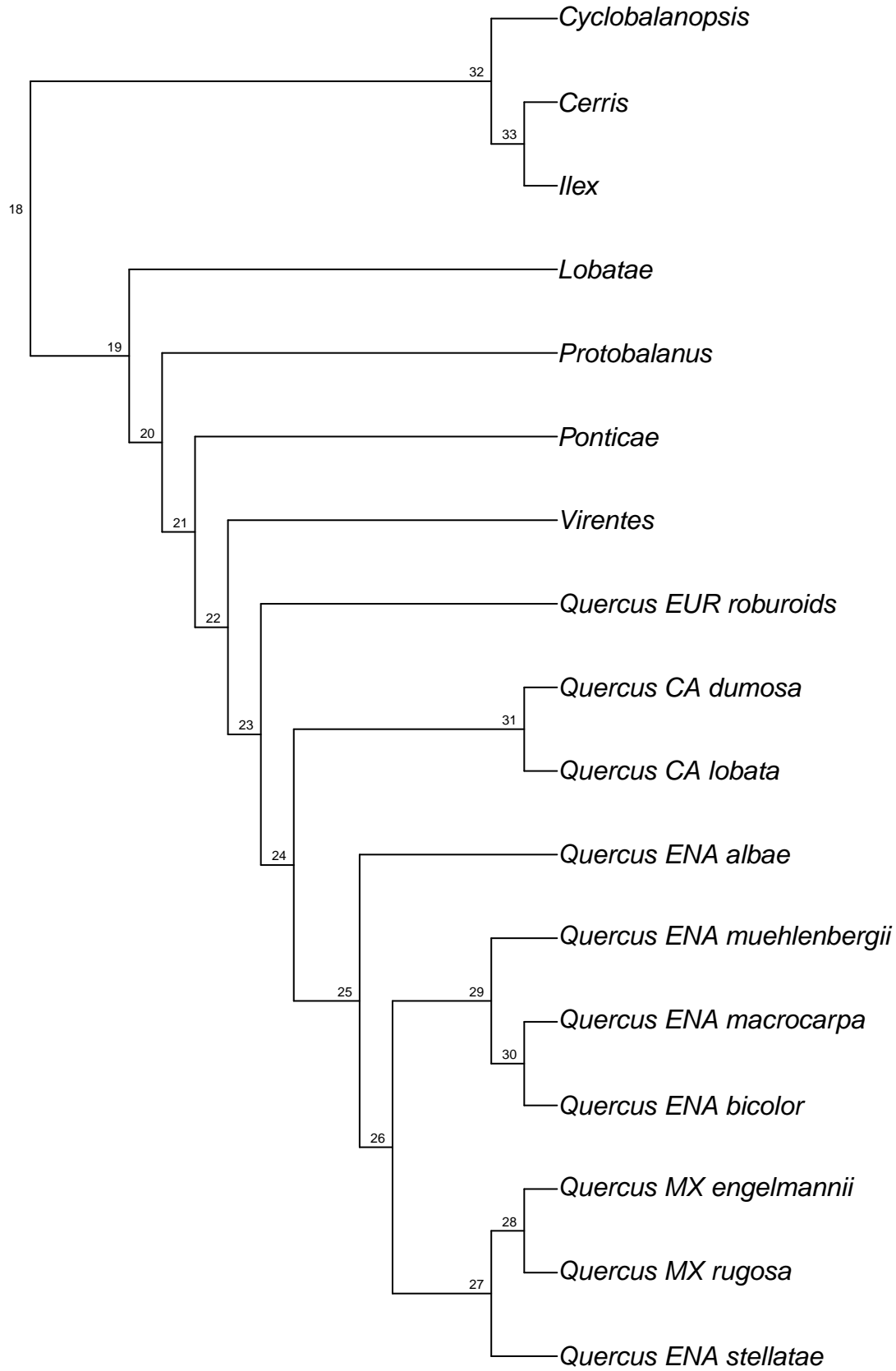
simRAD.simRAD\_Qalba\_raxml.bt069



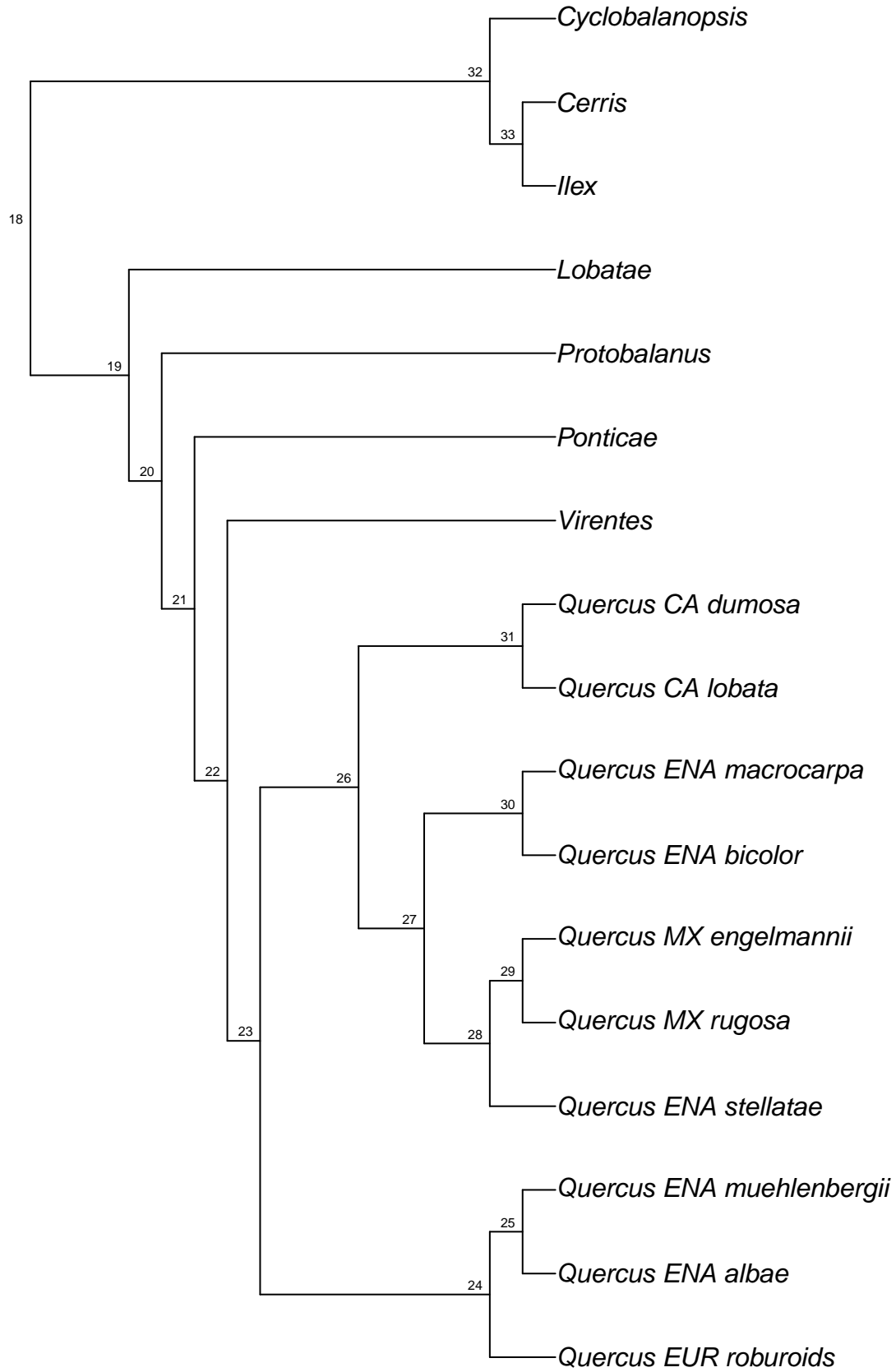
simRAD.simRAD\_Qalba\_raxml.bt070



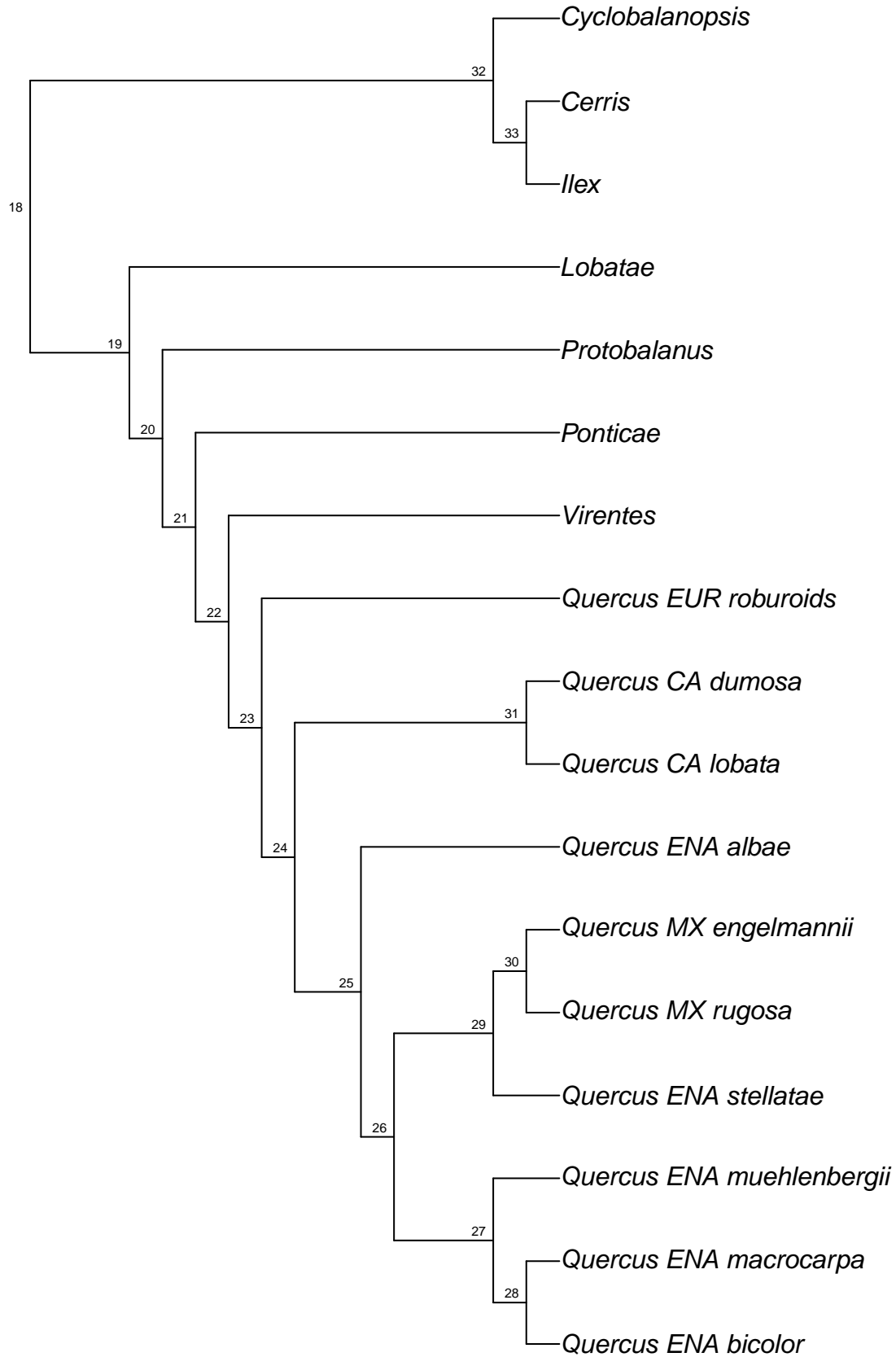
simRAD.simRAD\_Qalba\_raxml.bt071



simRAD.simRAD\_Qalba\_raxml.bt072

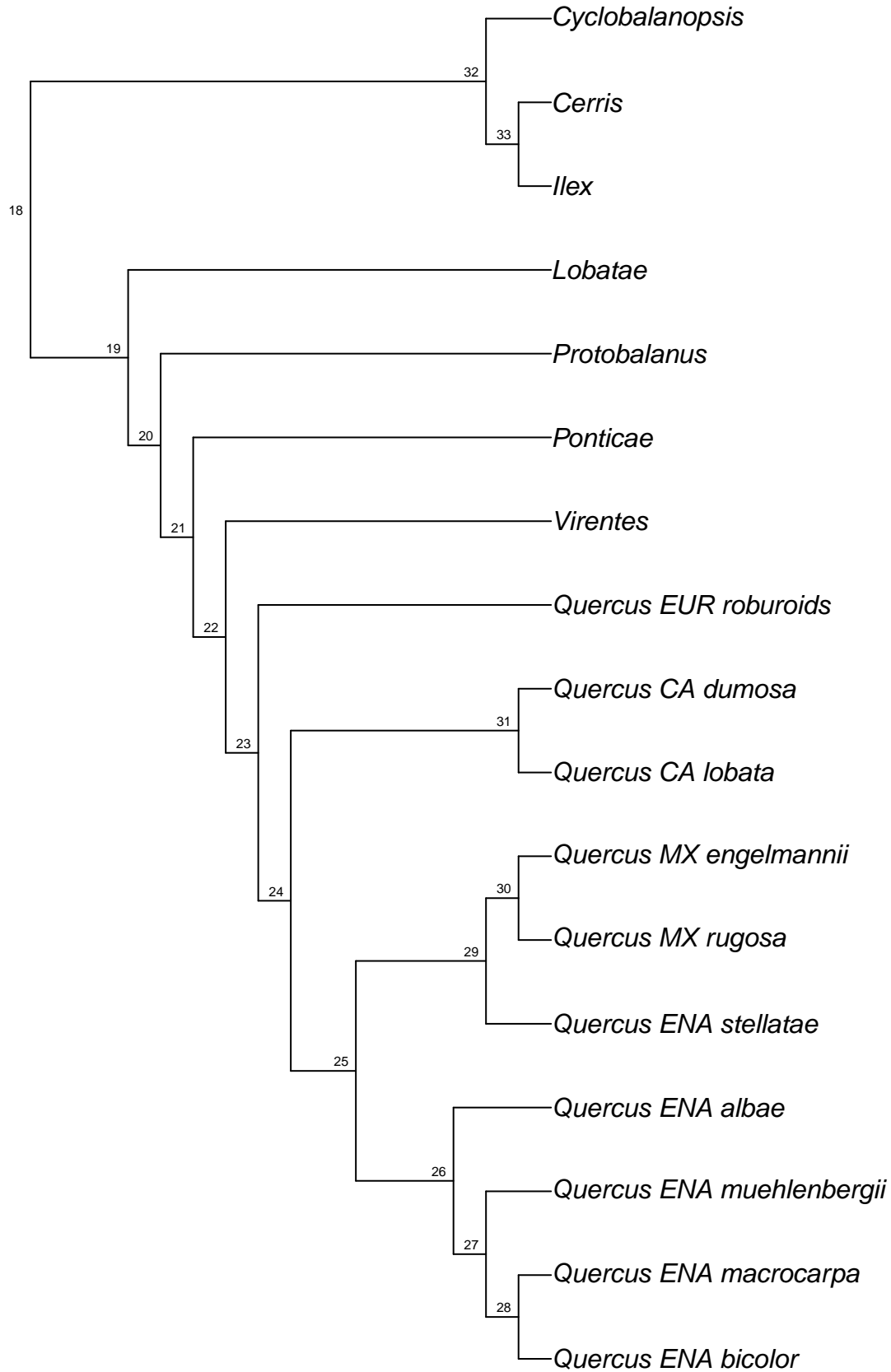


simRAD.simRAD\_Qalba\_raxml.bt073

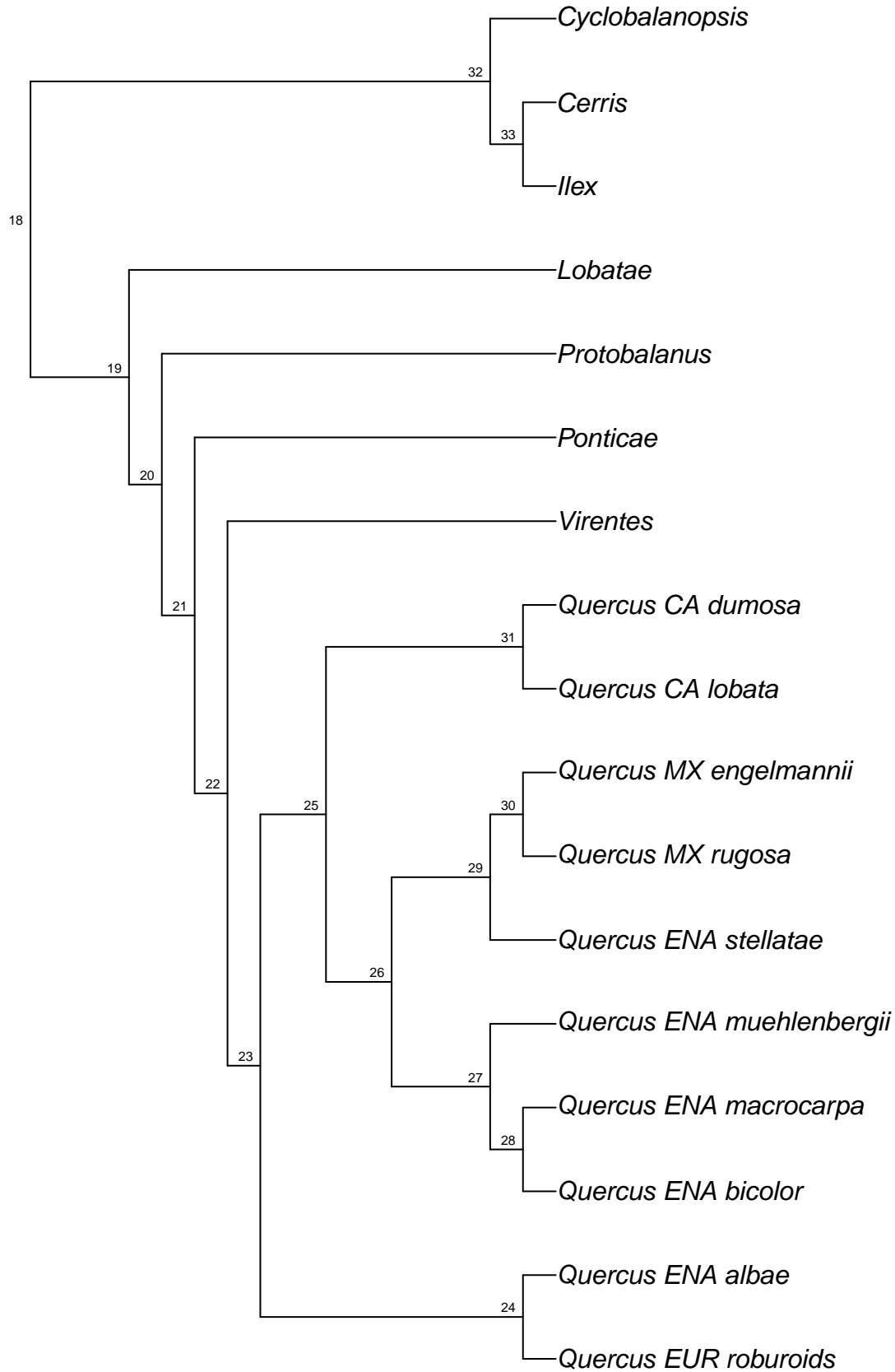




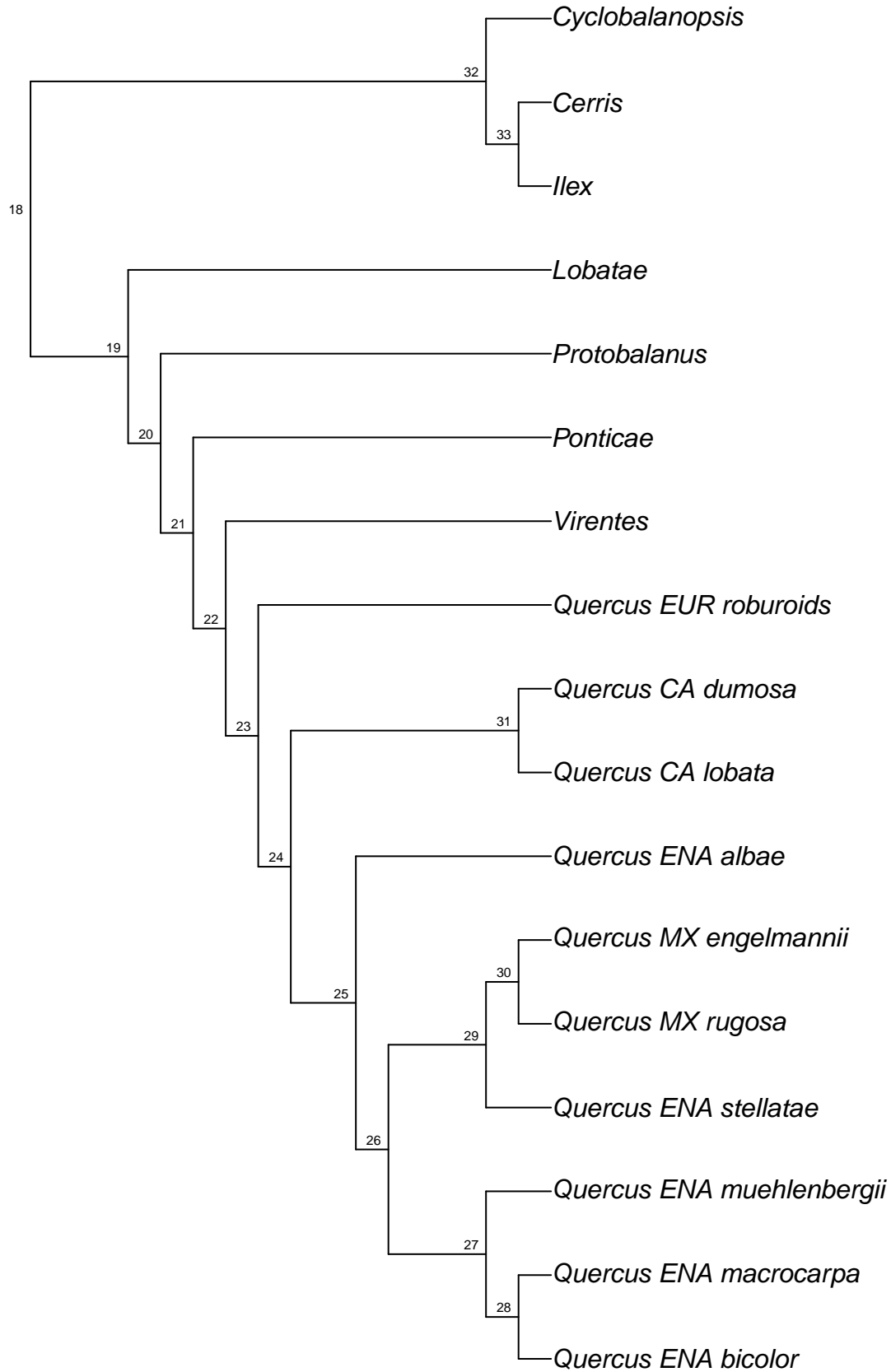
simRAD.simRAD\_Qalba\_raxml.bt074



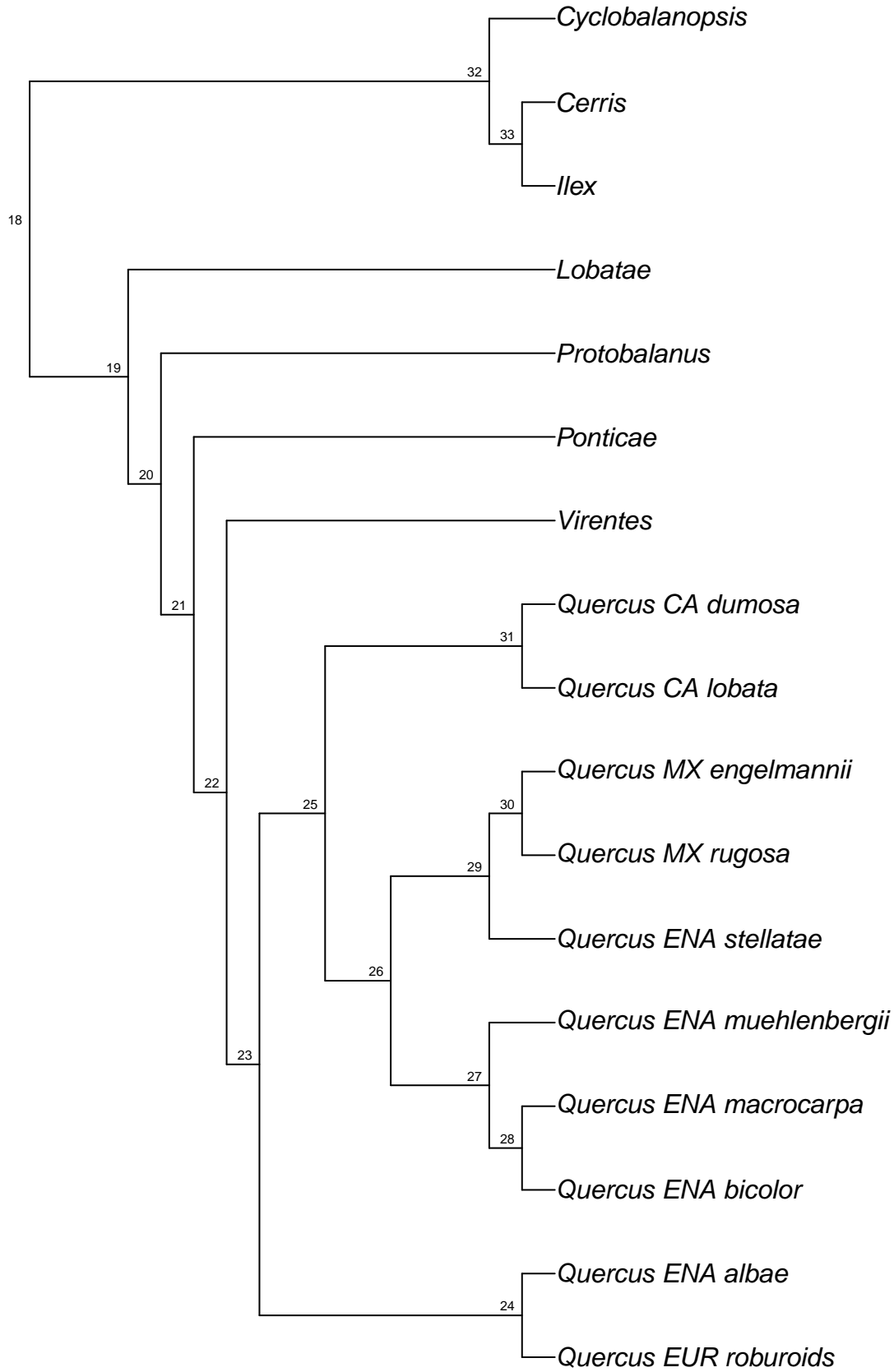
simRAD.simRAD\_Qalba\_raxml.bt075



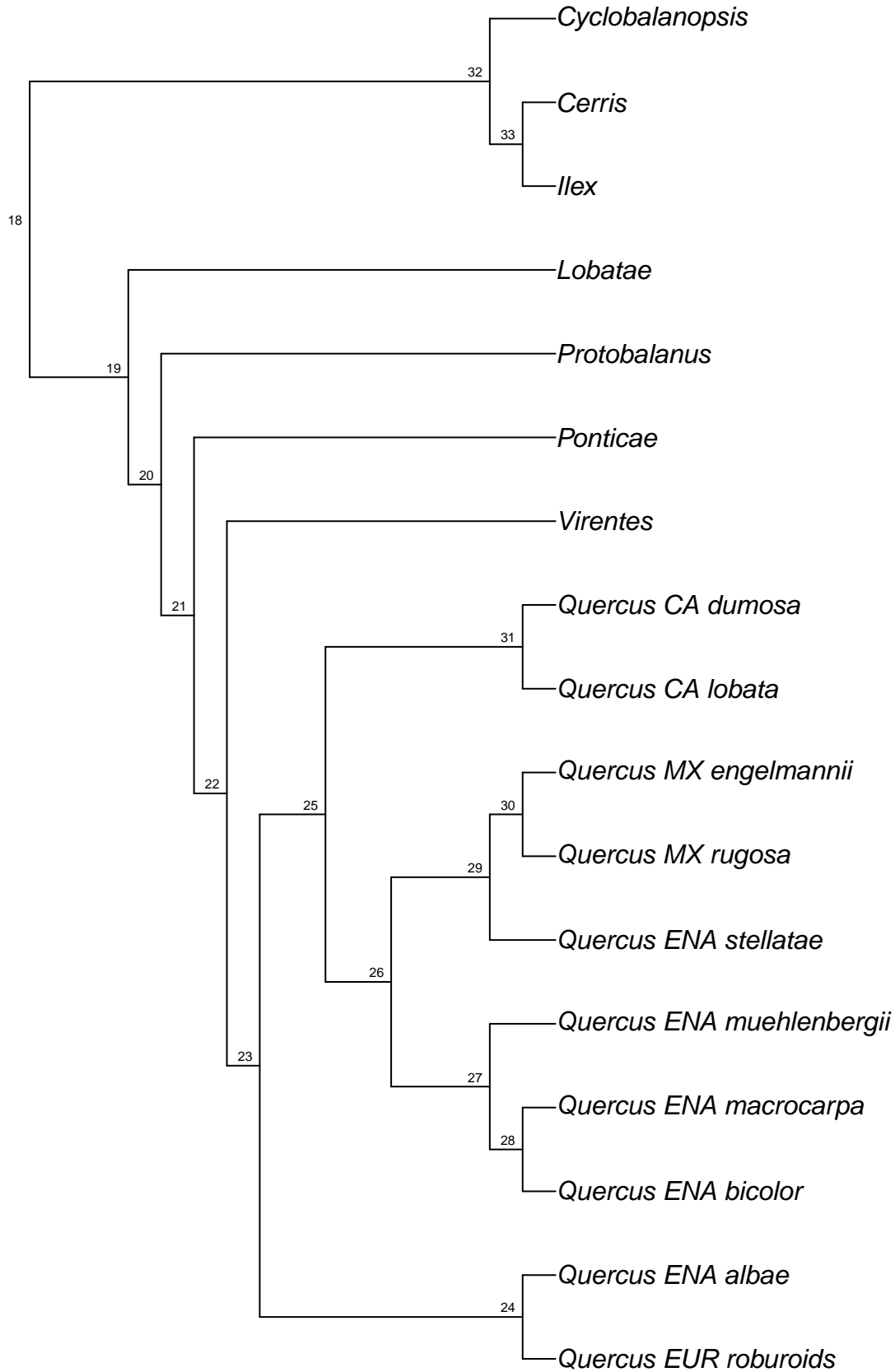
simRAD.simRAD\_Qalba\_raxml.bt076



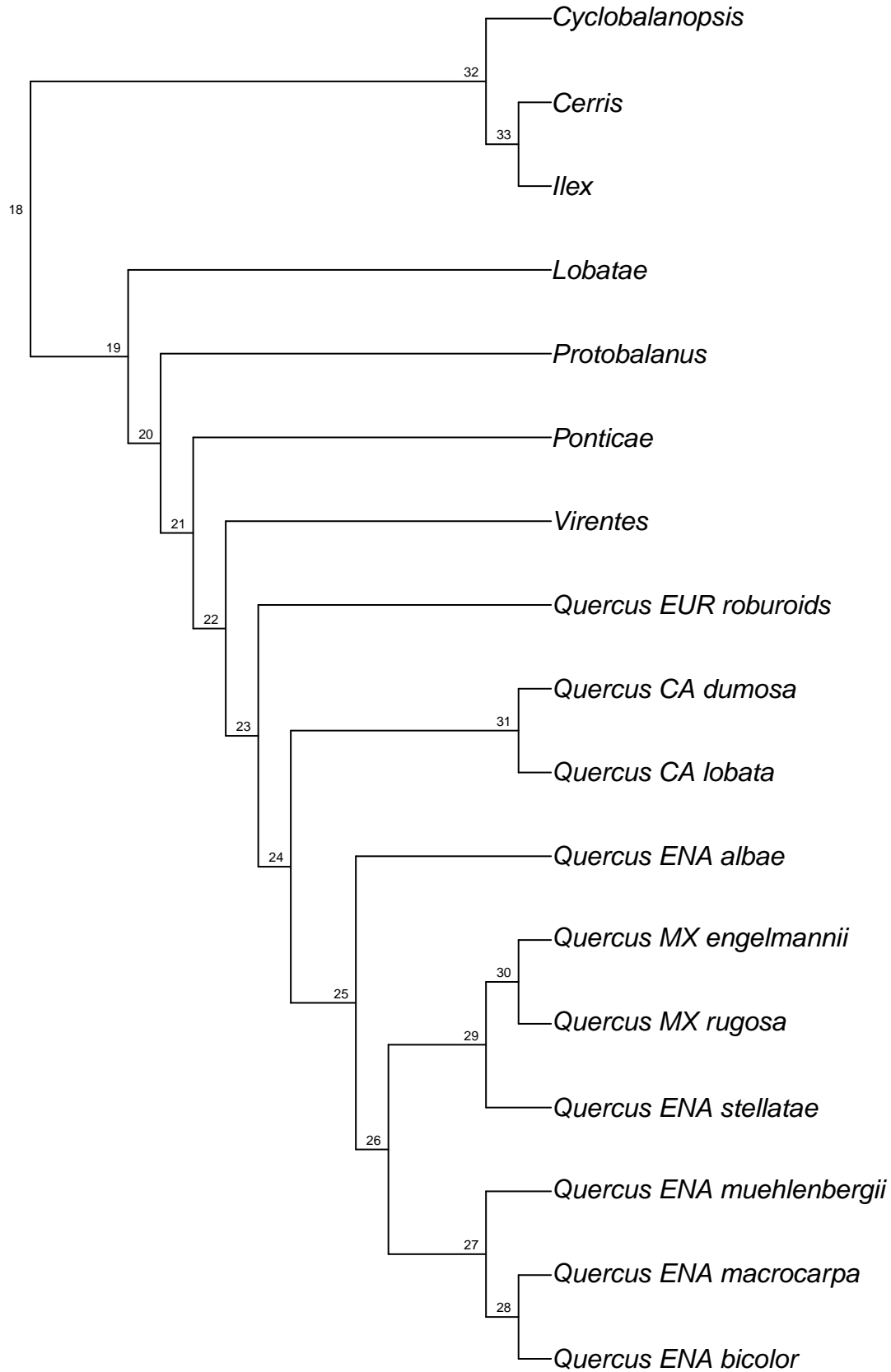
simRAD.simRAD\_Qalba\_raxml.bt077



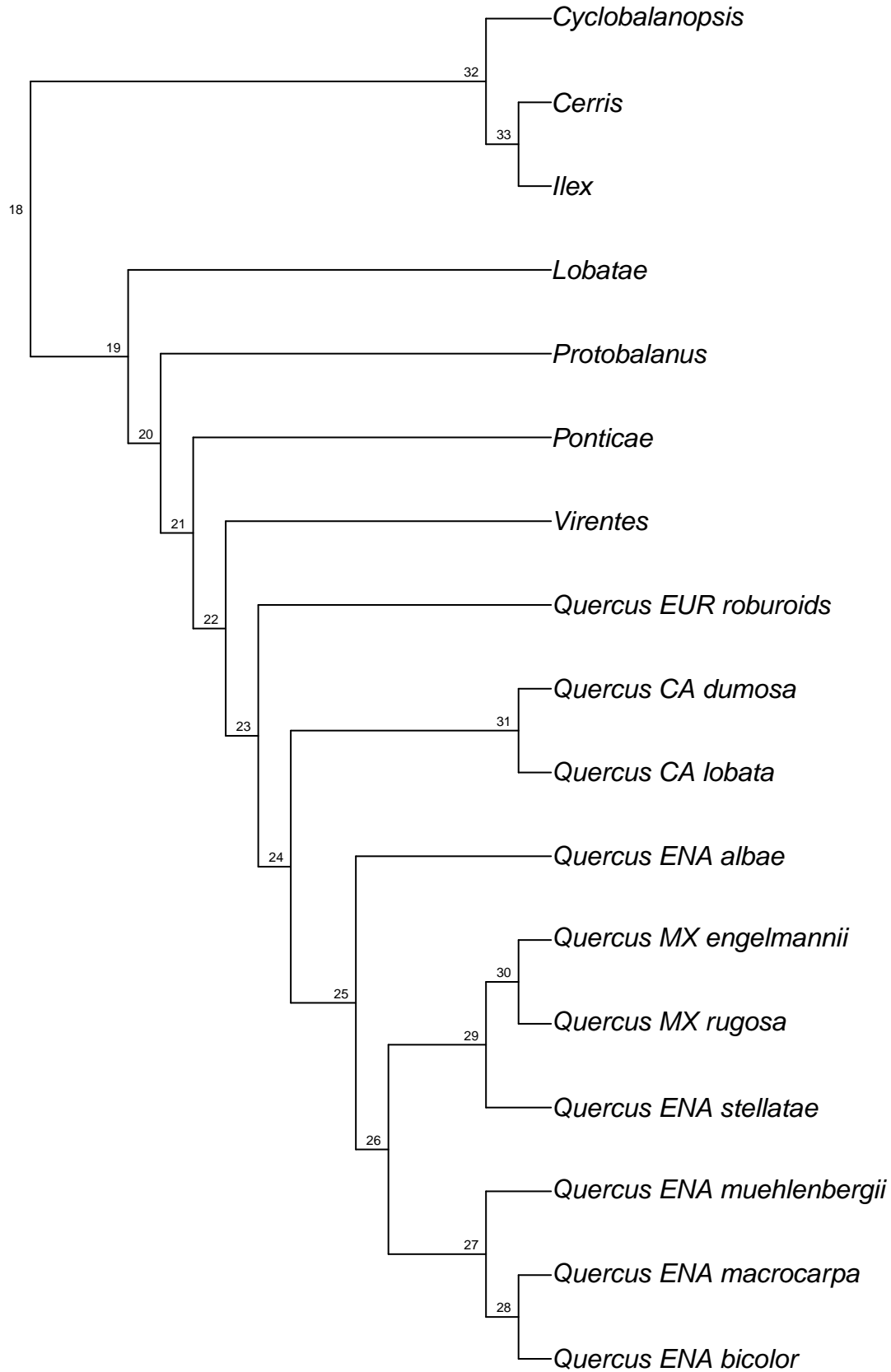
simRAD.simRAD\_Qalba\_raxml.bt078



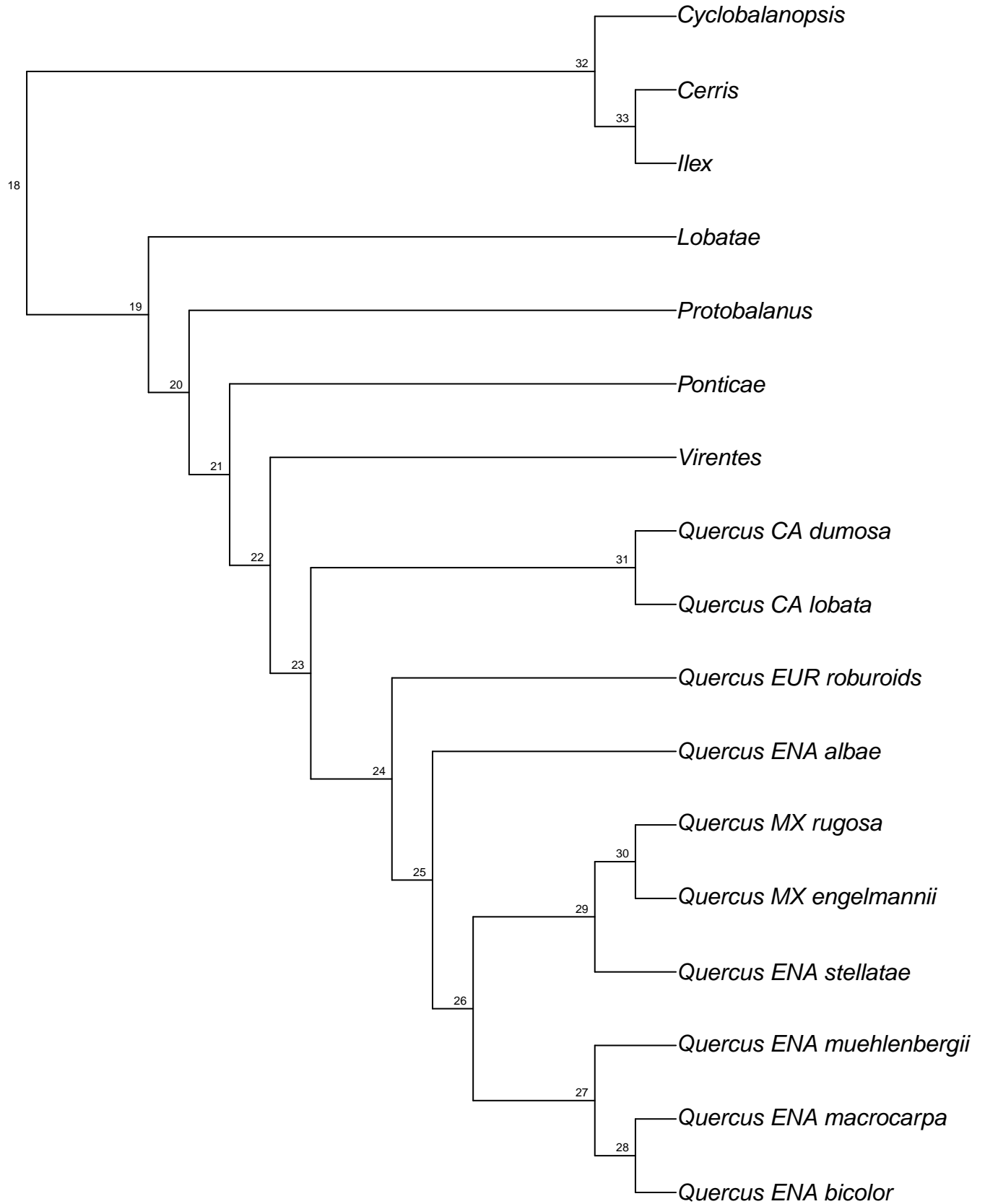
simRAD.simRAD\_Qalba\_raxml.bt079



simRAD.simRAD\_Qalba\_raxml.bt080

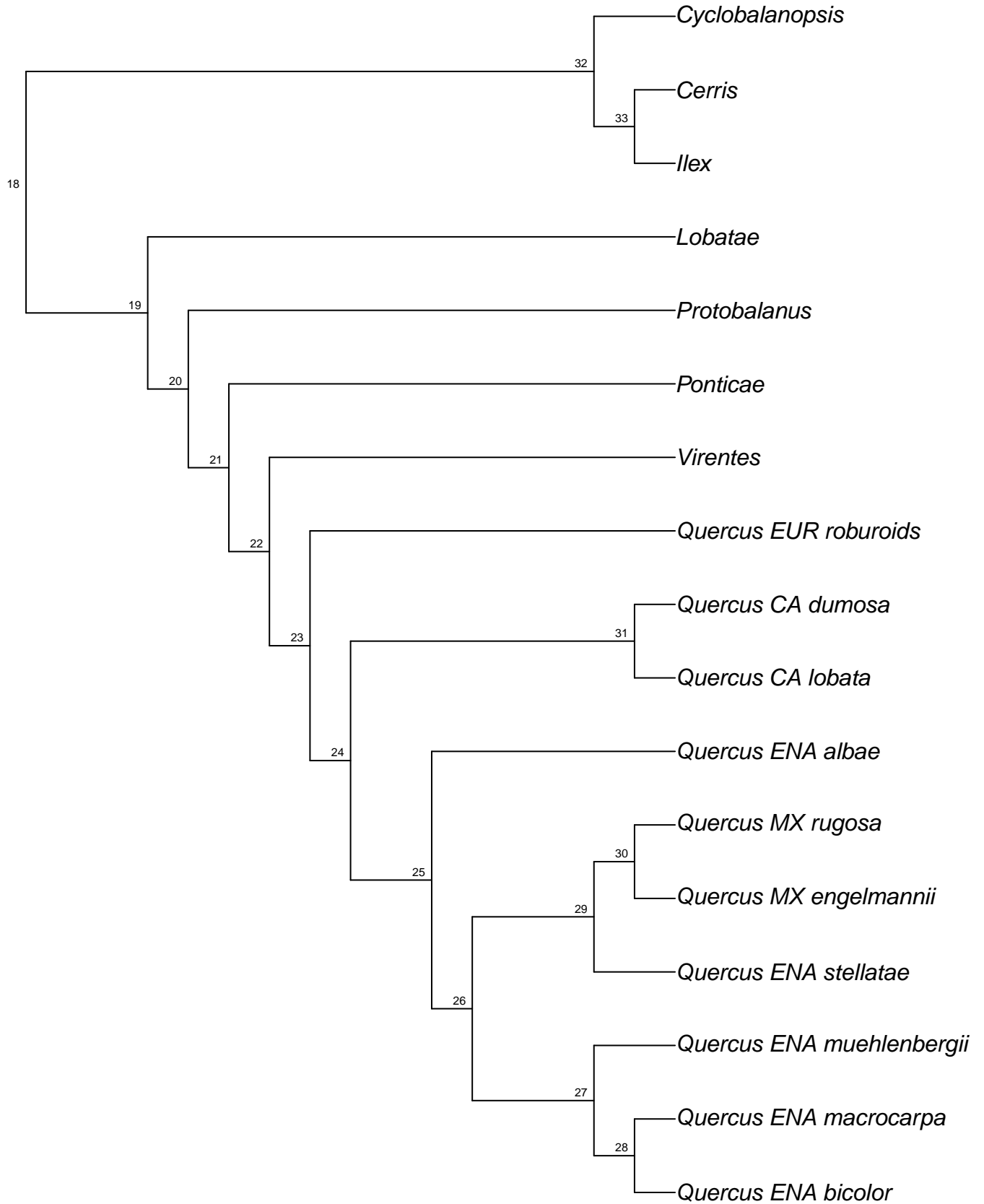


simRAD.simRAD\_Qalba\_raxml.bt081

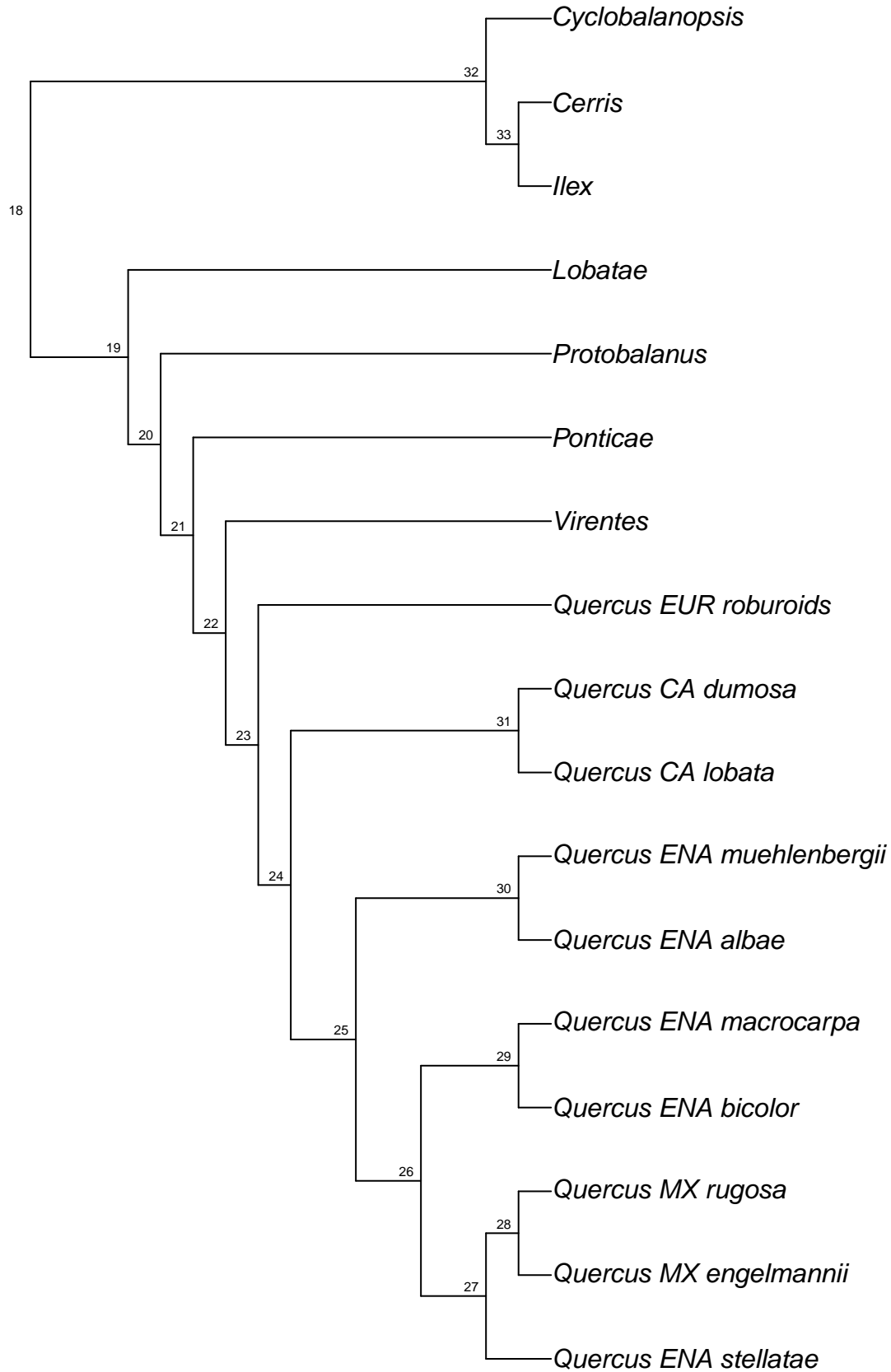




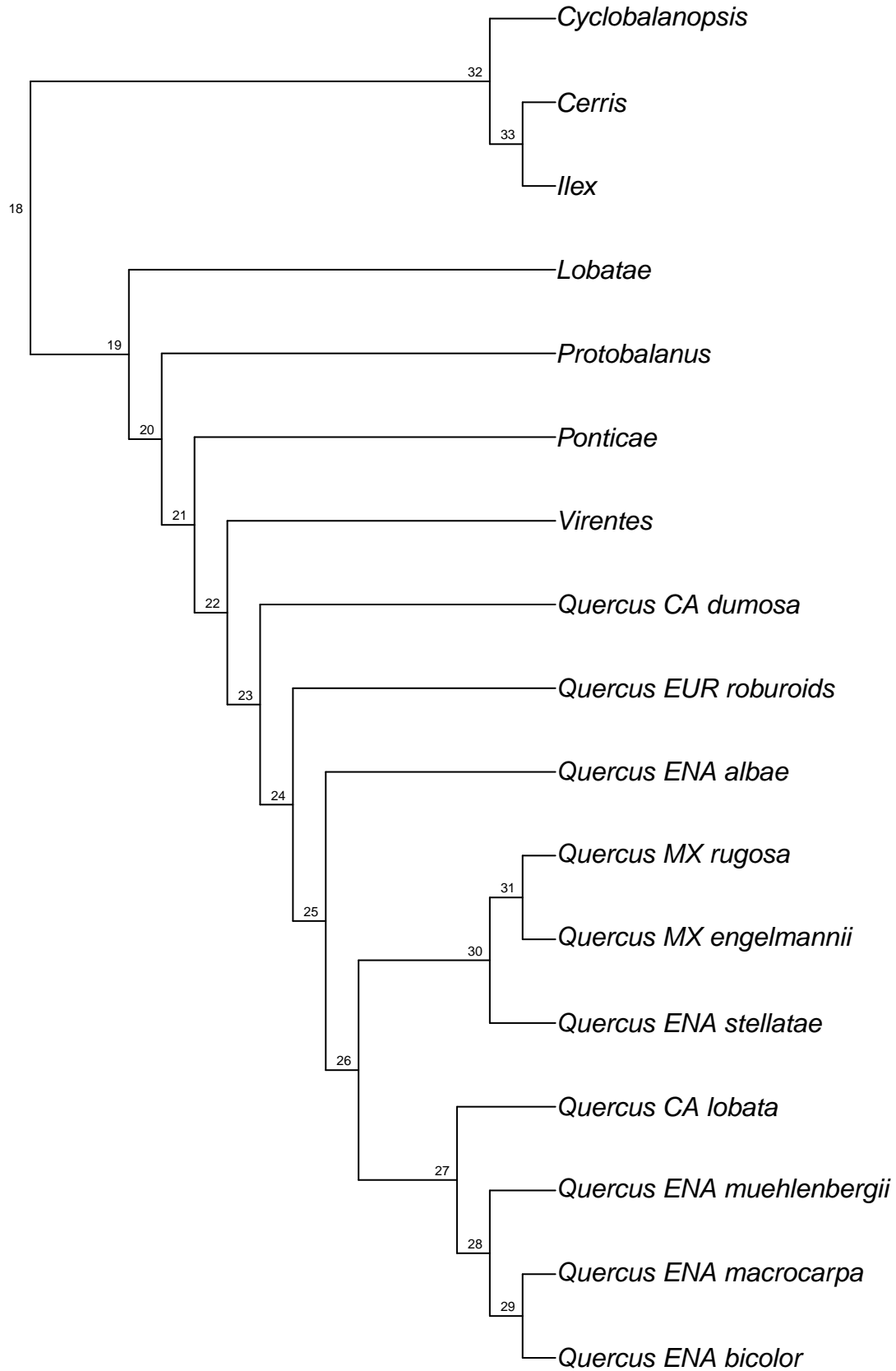
simRAD.simRAD\_Qalba\_raxml.bt082



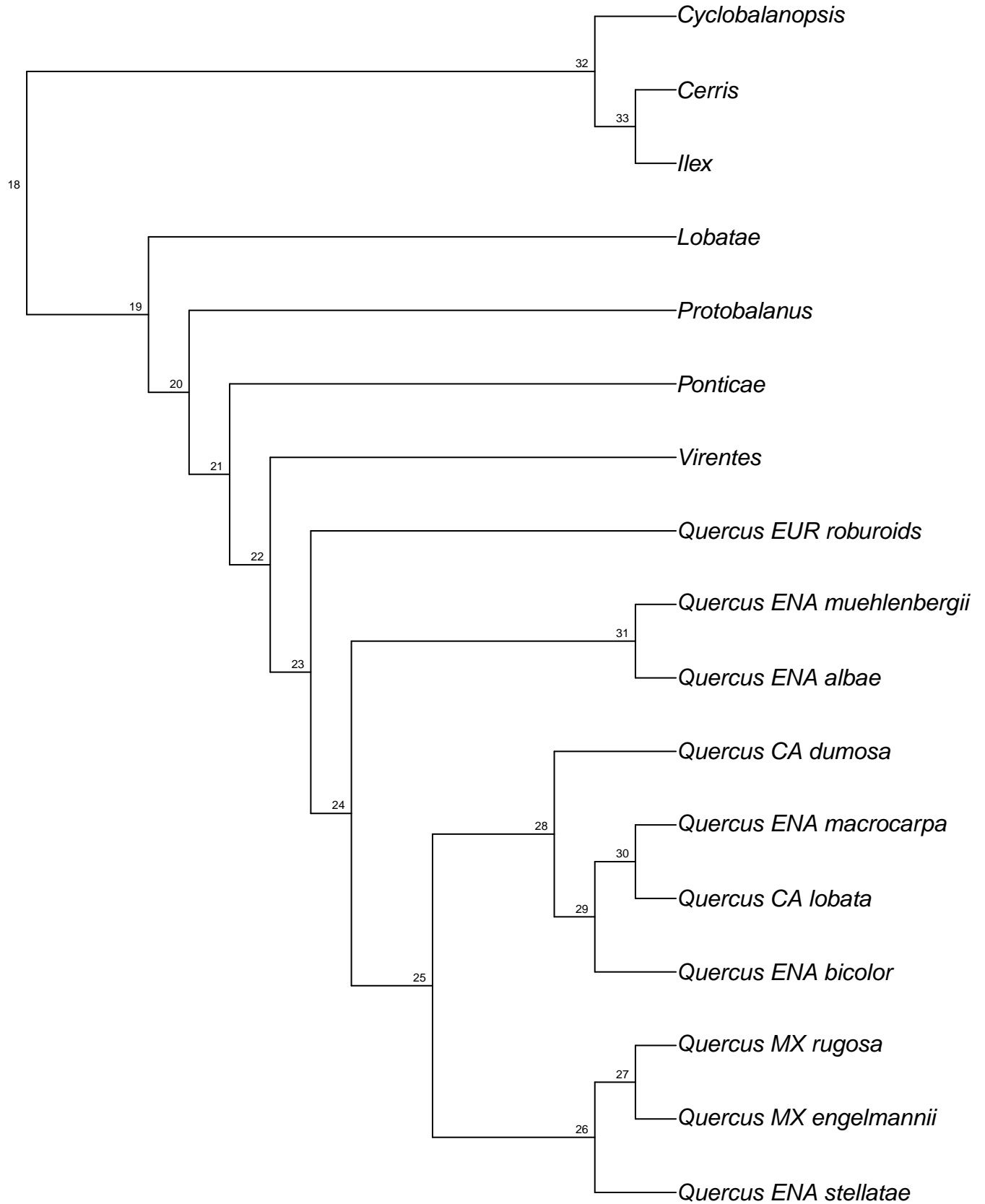
simRAD.simRAD\_Qalba\_raxml.bt083



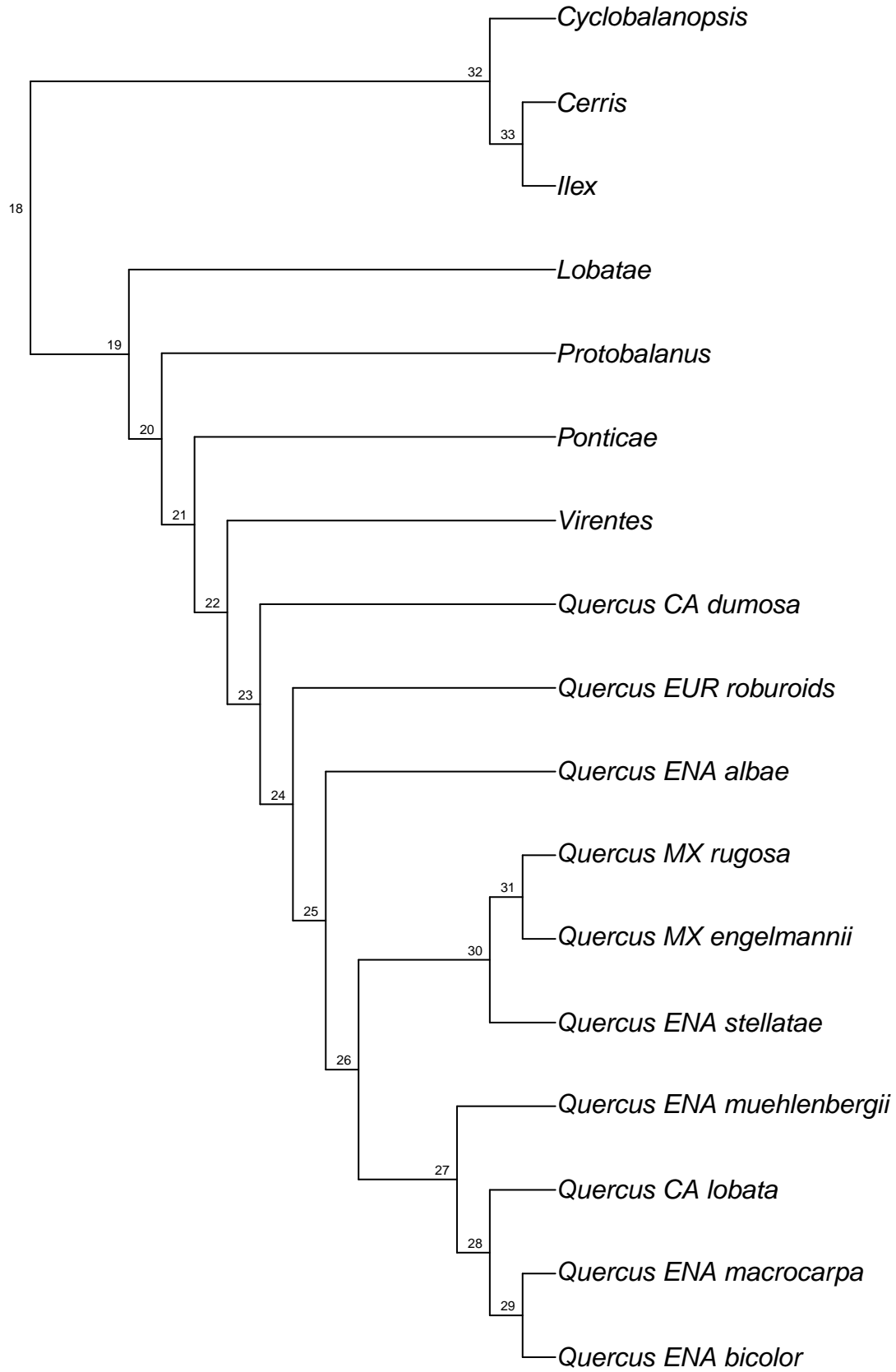
simRAD.simRAD\_Qalba\_raxml.bt084



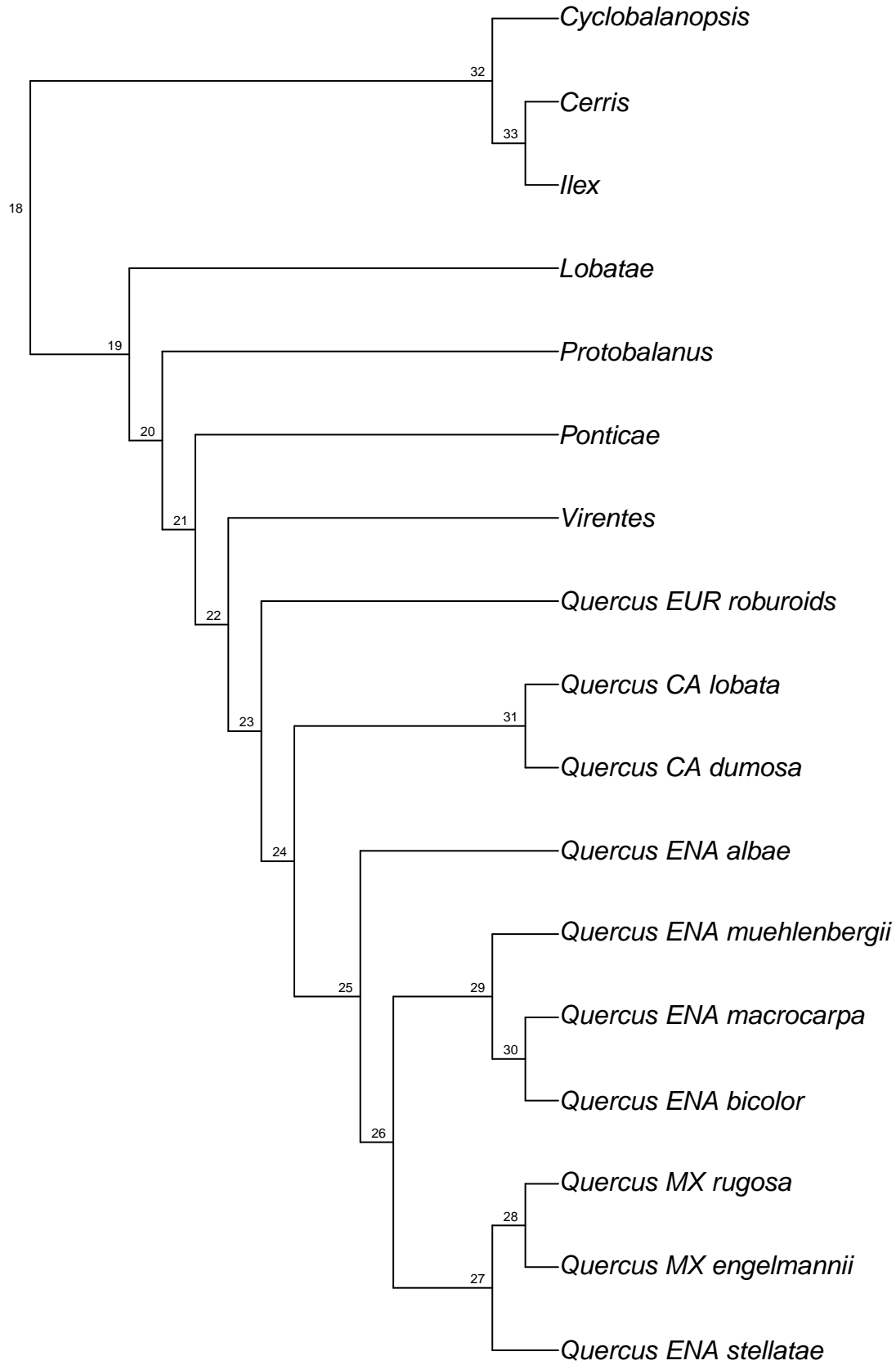
simRAD.simRAD\_Qalba\_raxml.bt085



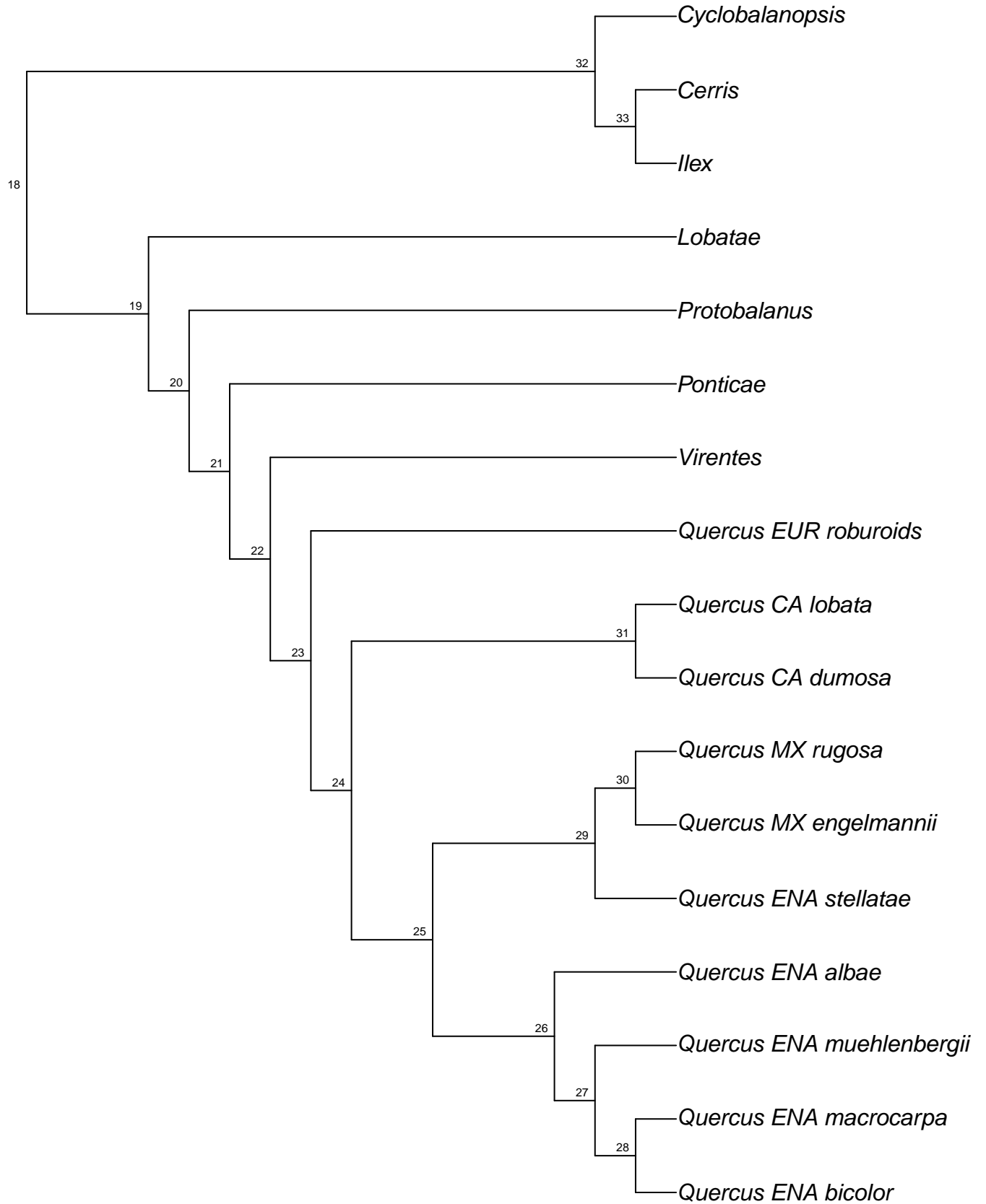
simRAD.simRAD\_Qalba\_raxml.bt086



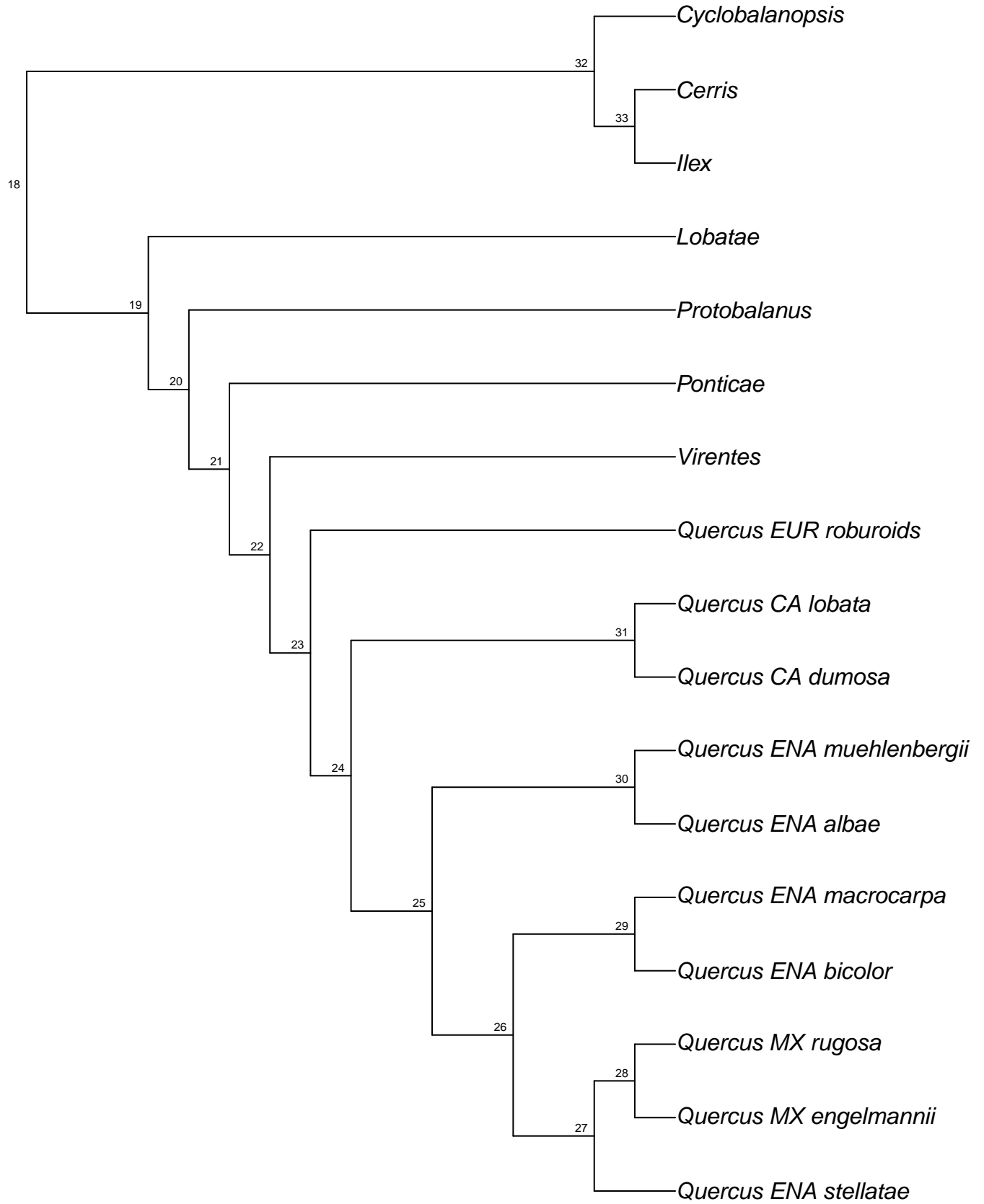
simRAD.simRAD\_Qalba\_raxml.bt087



simRAD.simRAD\_Qalba\_raxml.bt088

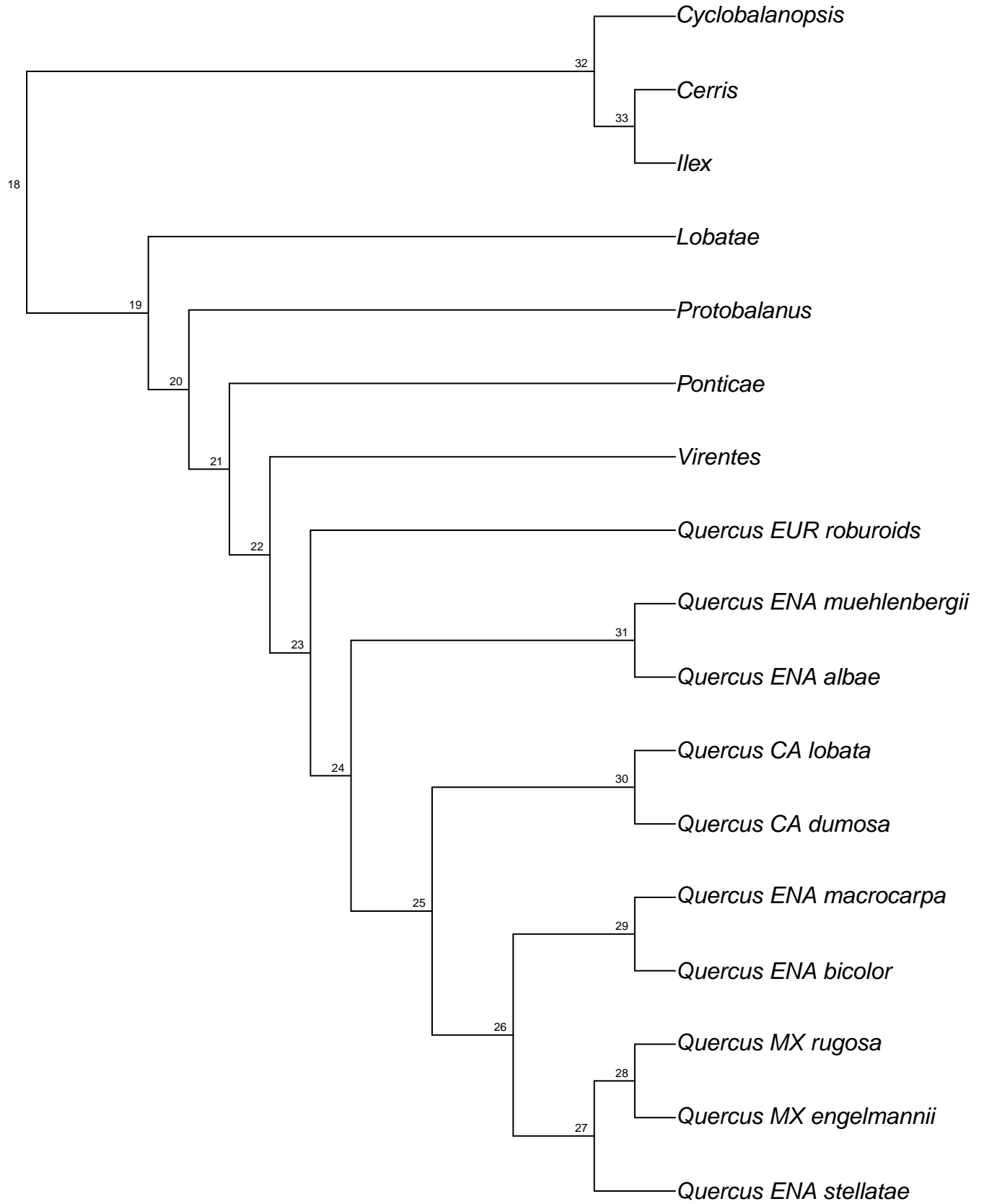


simRAD.simRAD\_Qalba\_raxml.bt089

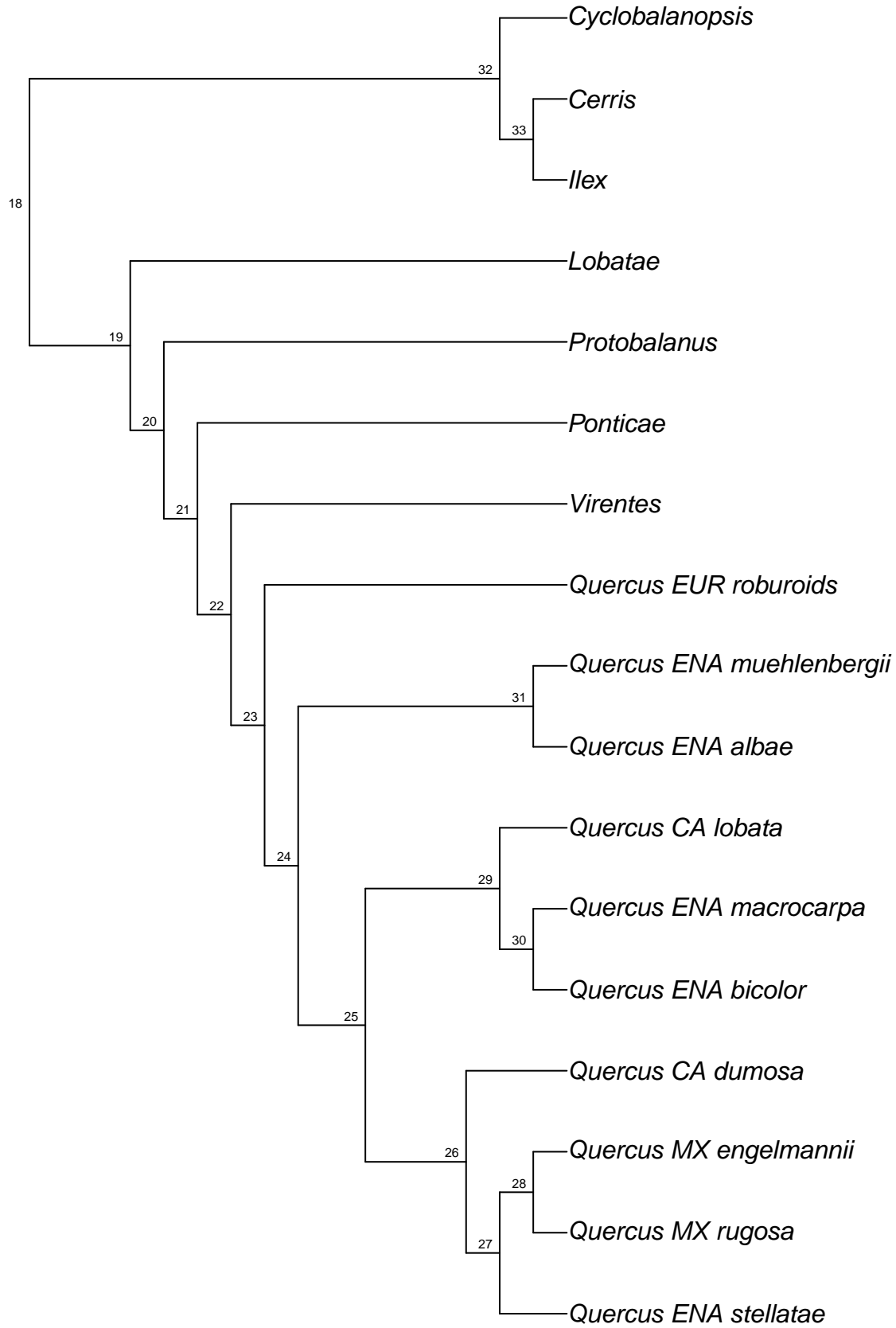




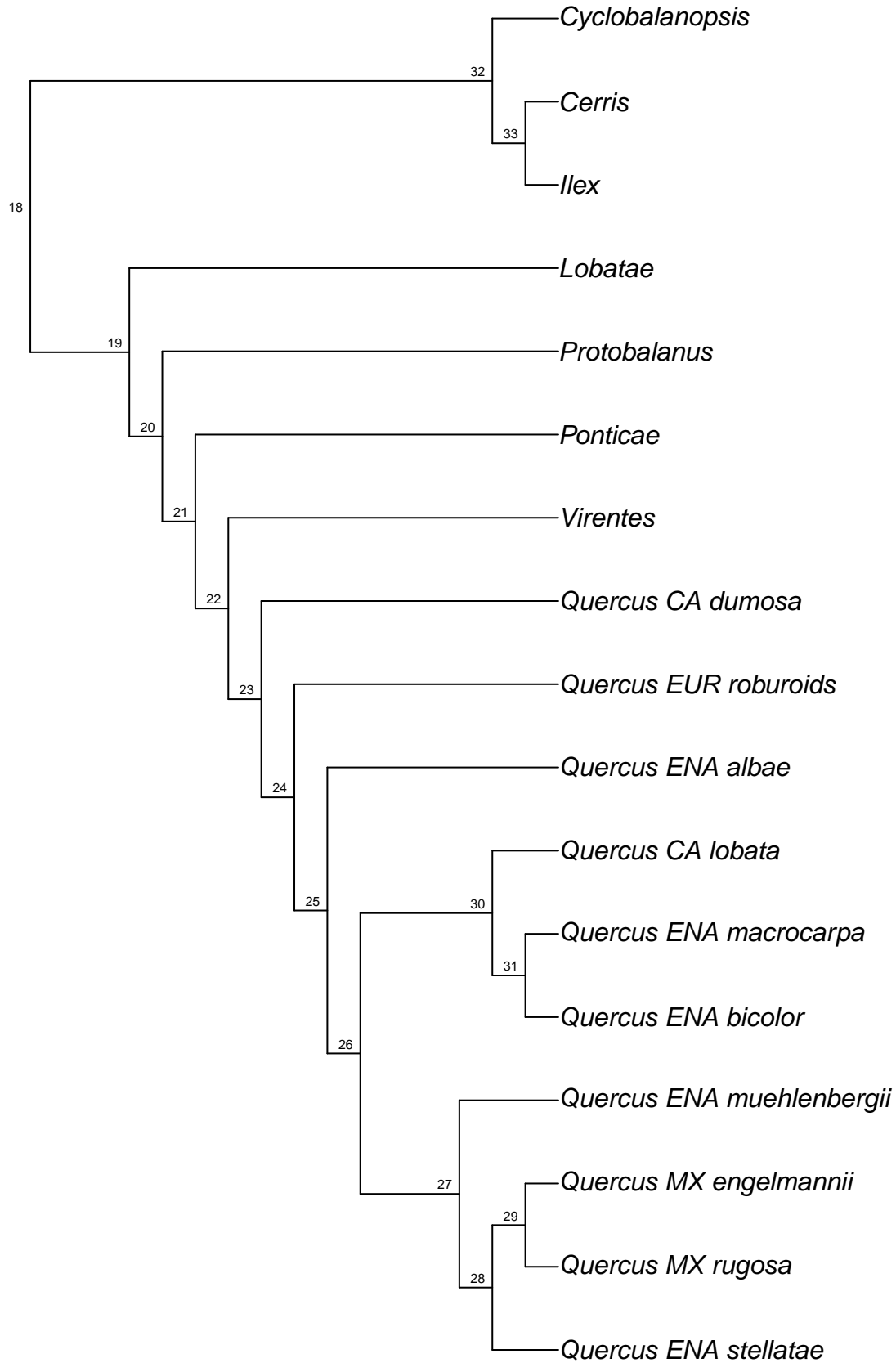
simRAD.simRAD\_Qalba\_raxml.bt090



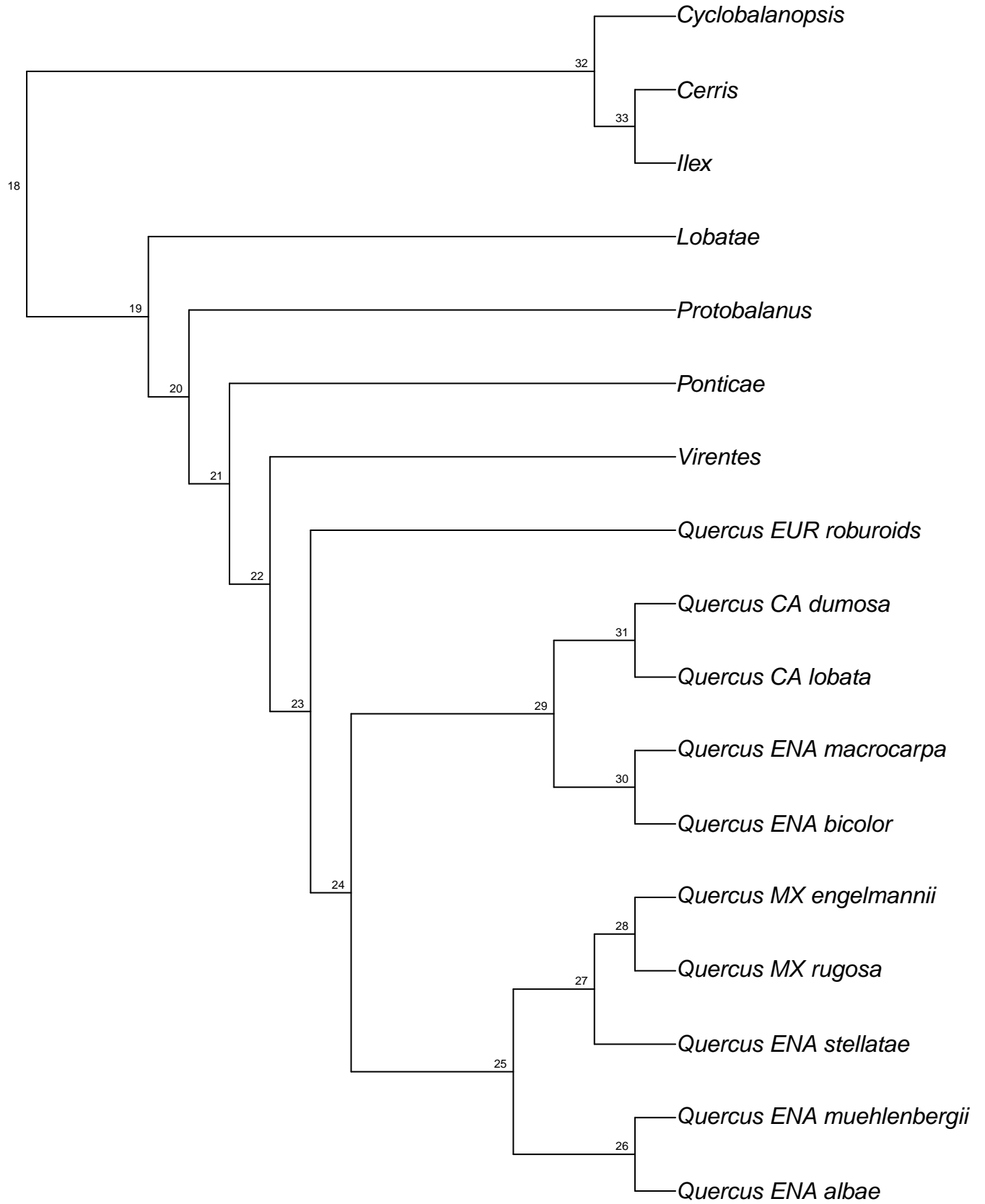
simRAD.simRAD\_Qalba\_raxml.bt091



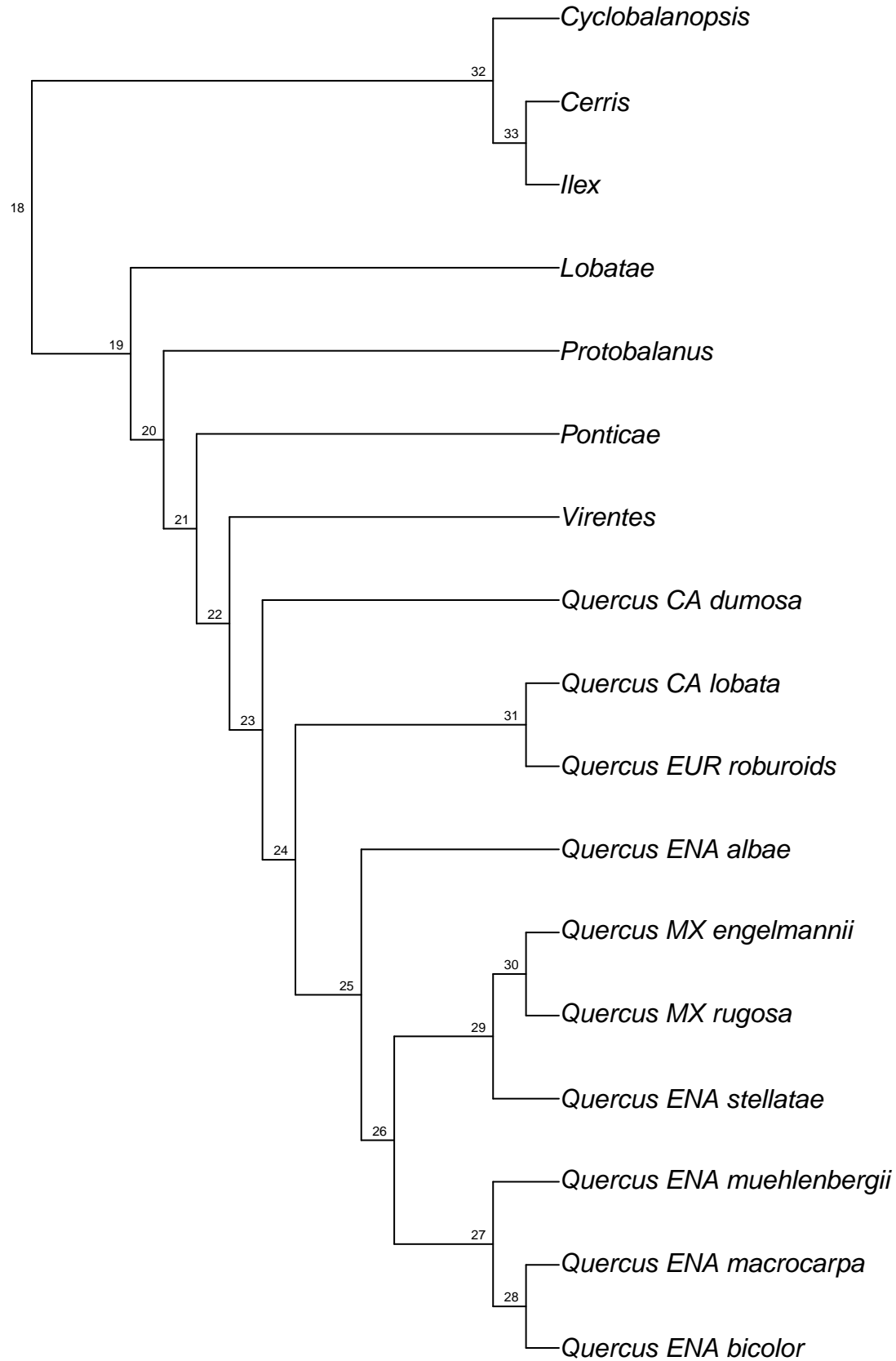
simRAD.simRAD\_Qalba\_raxml.bt092



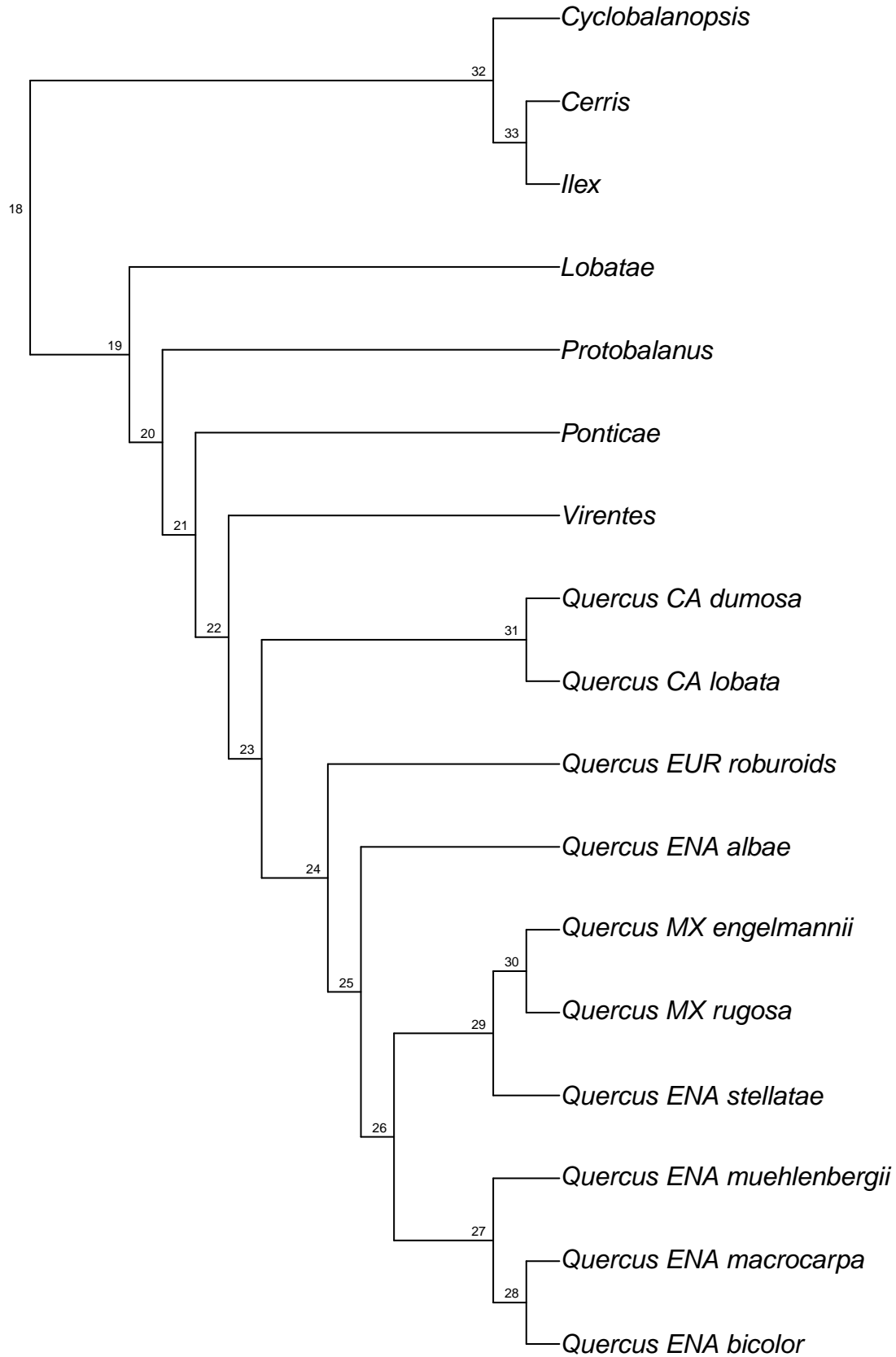
simRAD.simRAD\_Qalba\_raxml.bt093



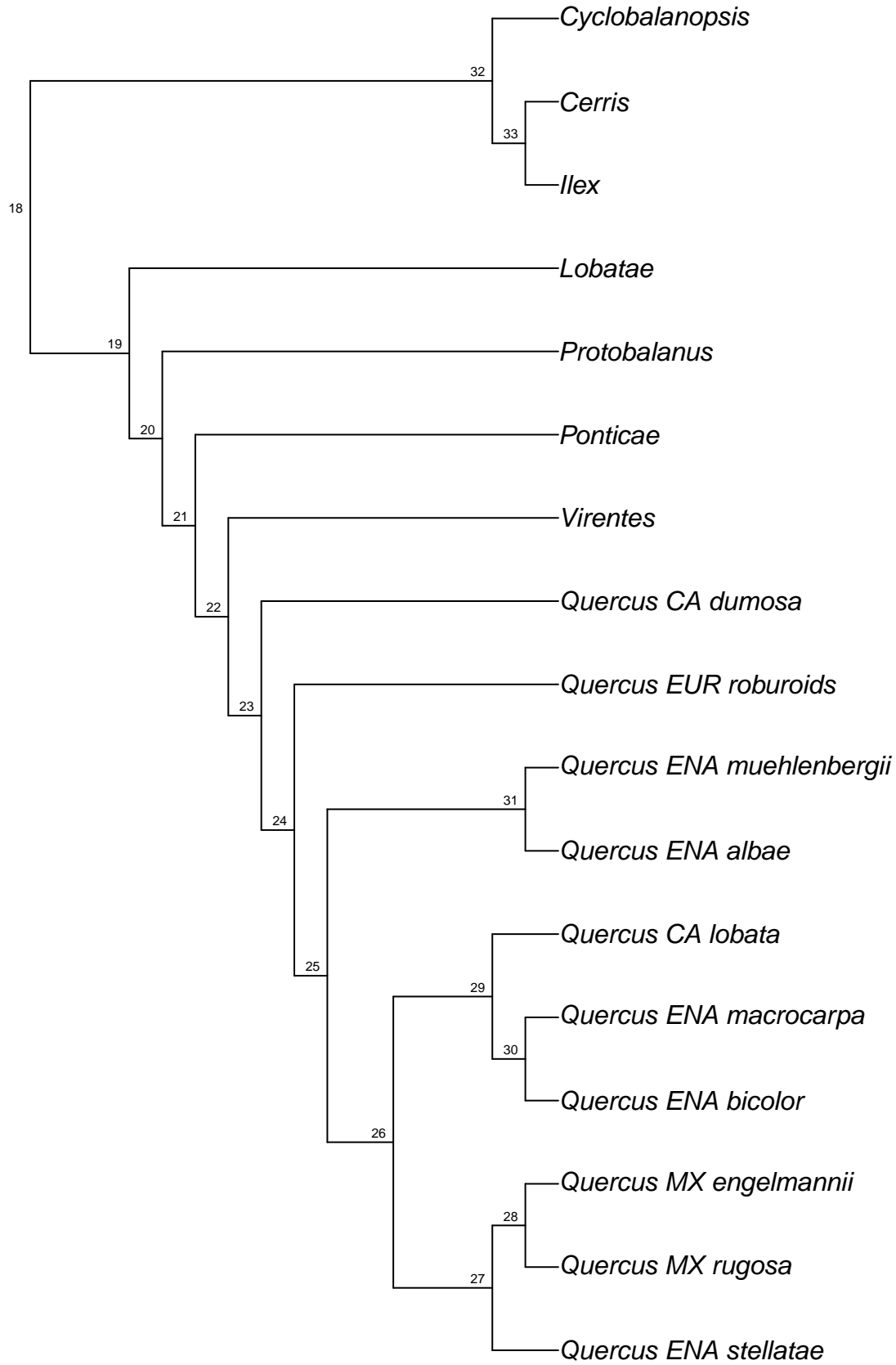
simRAD.simRAD\_Qalba\_raxml.bt094



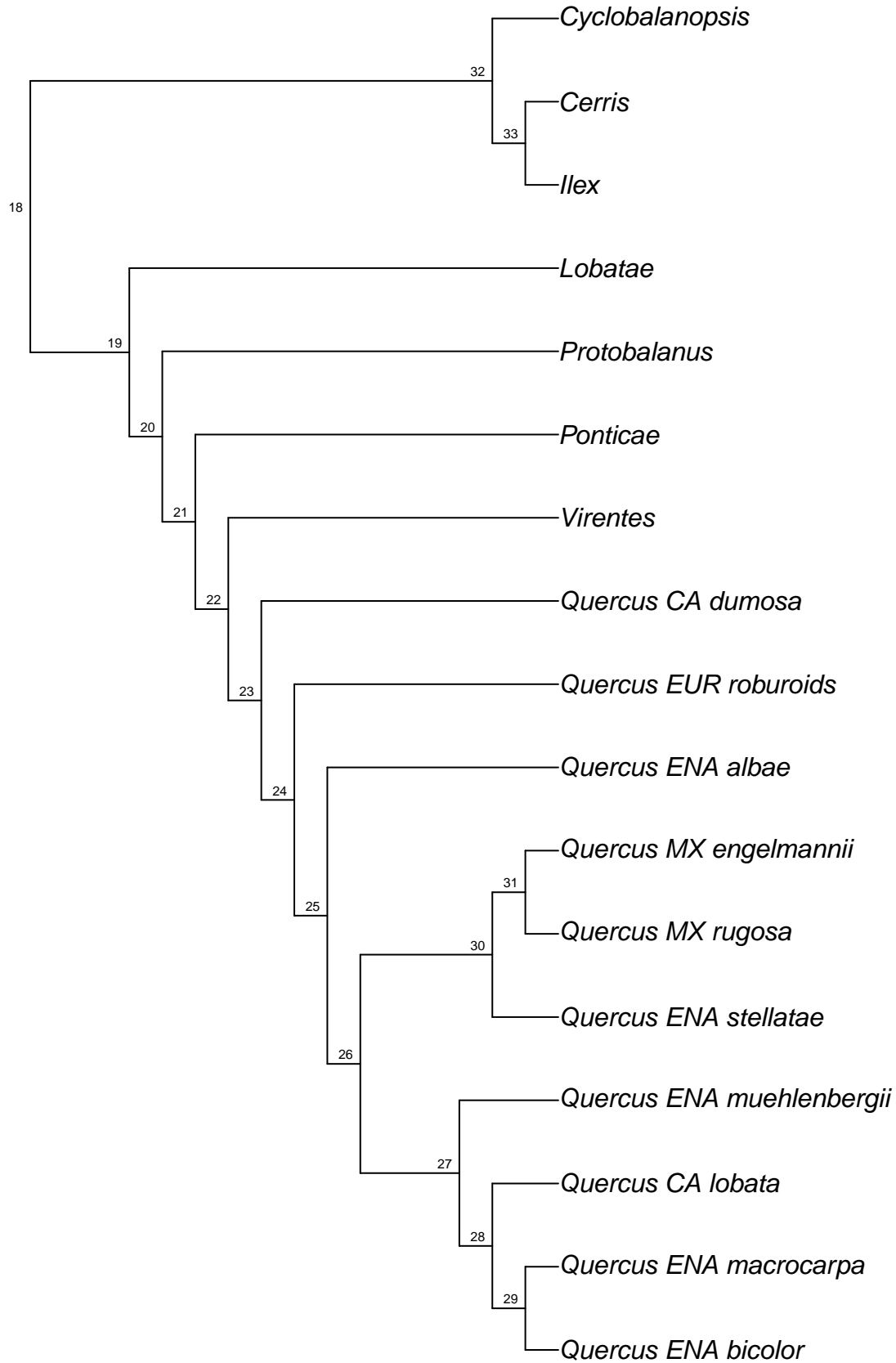
simRAD.simRAD\_Qalba\_raxml.bt095



simRAD.simRAD\_Qalba\_raxml.bt096

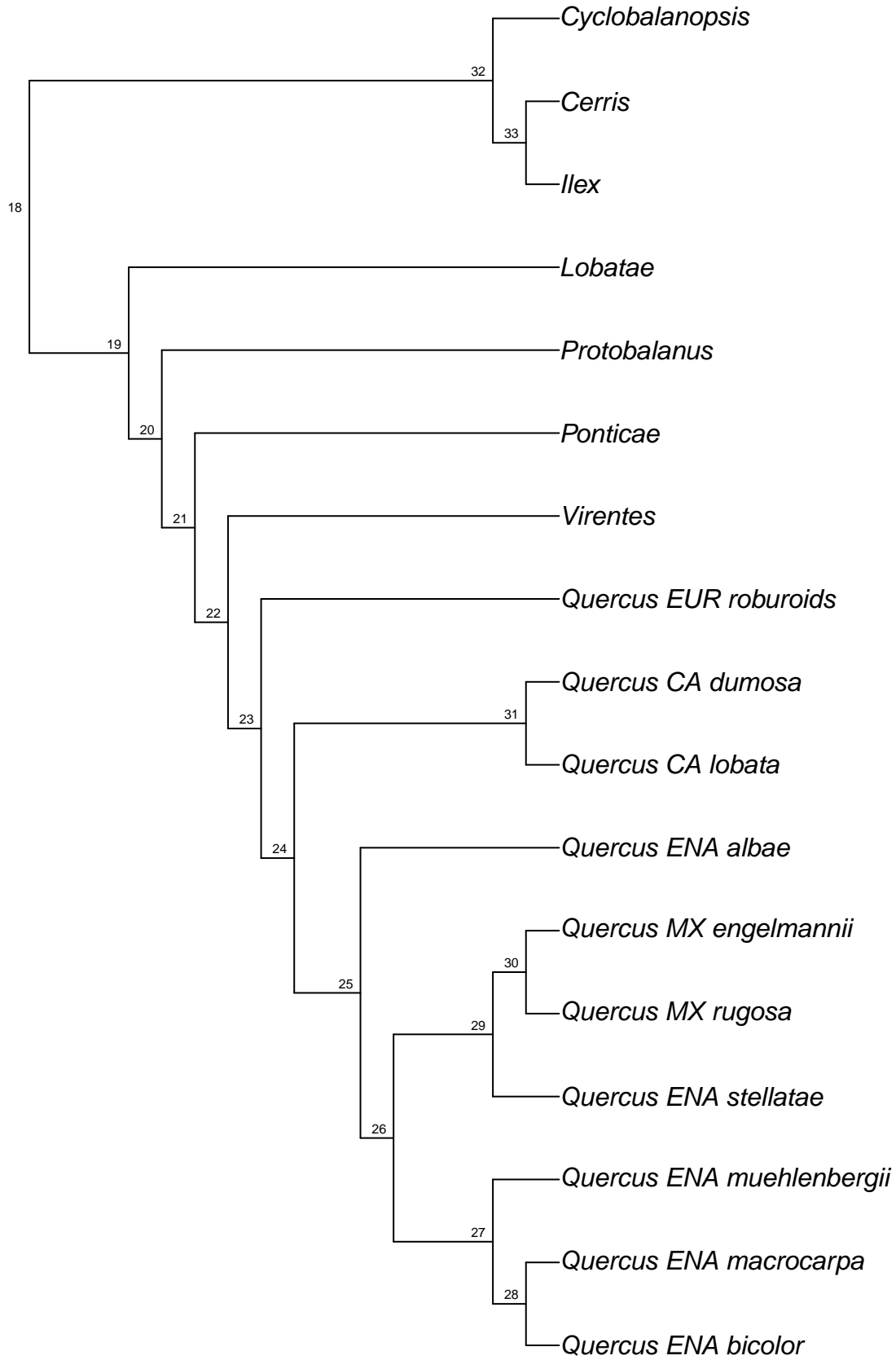


simRAD.simRAD\_Qalba\_raxml.bt097

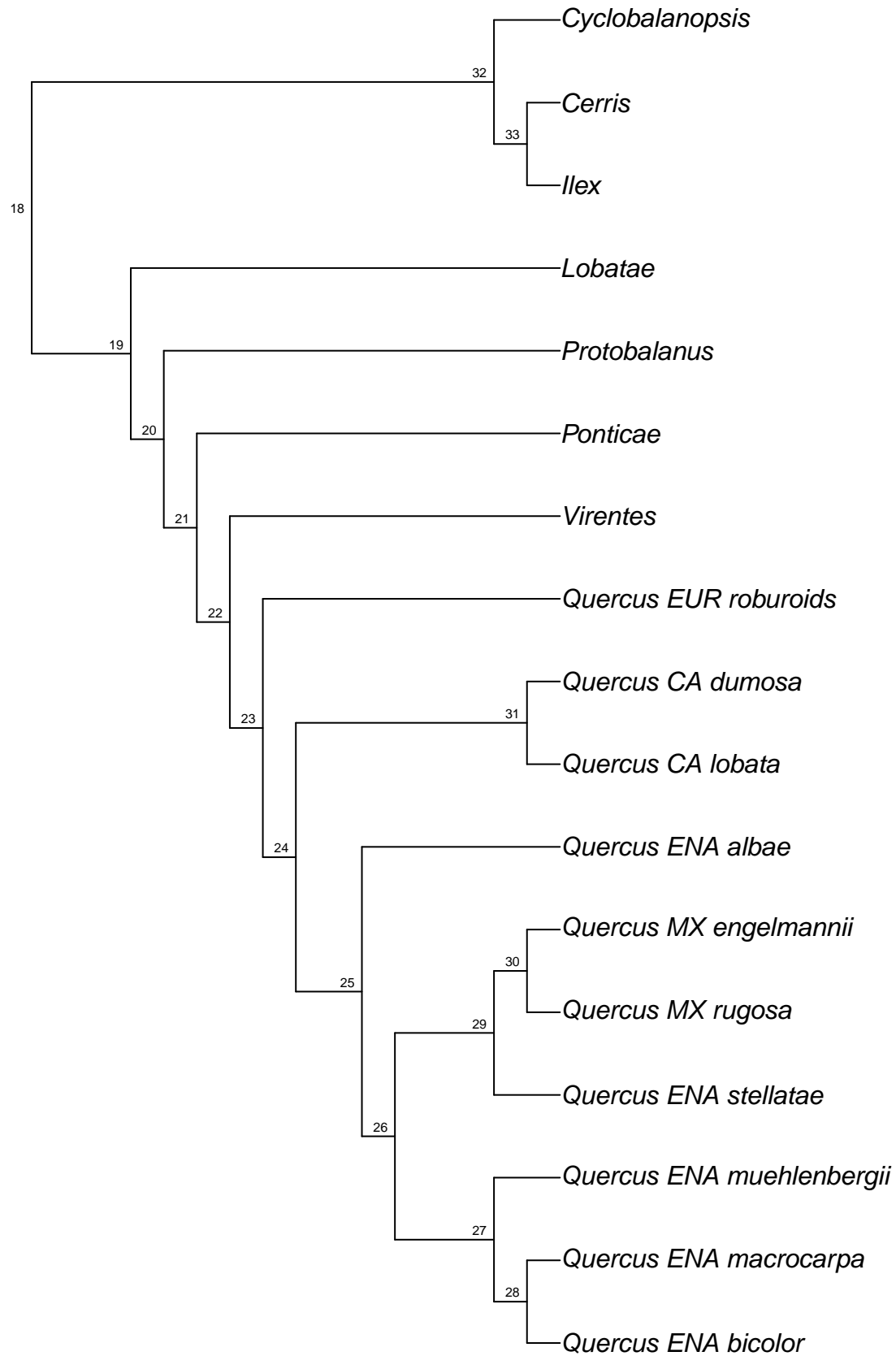




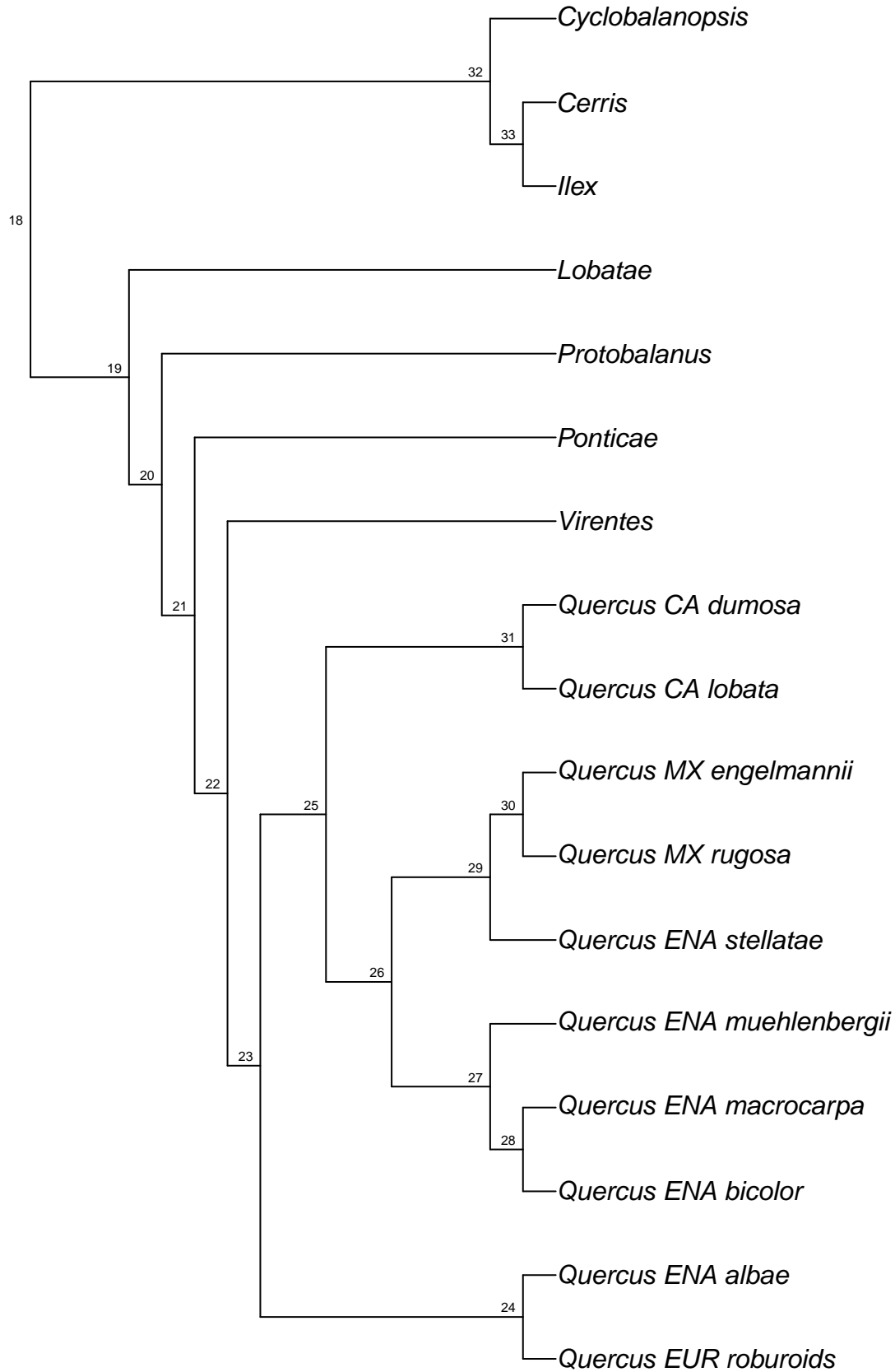
simRAD.simRAD\_Qalba\_raxml.bt098



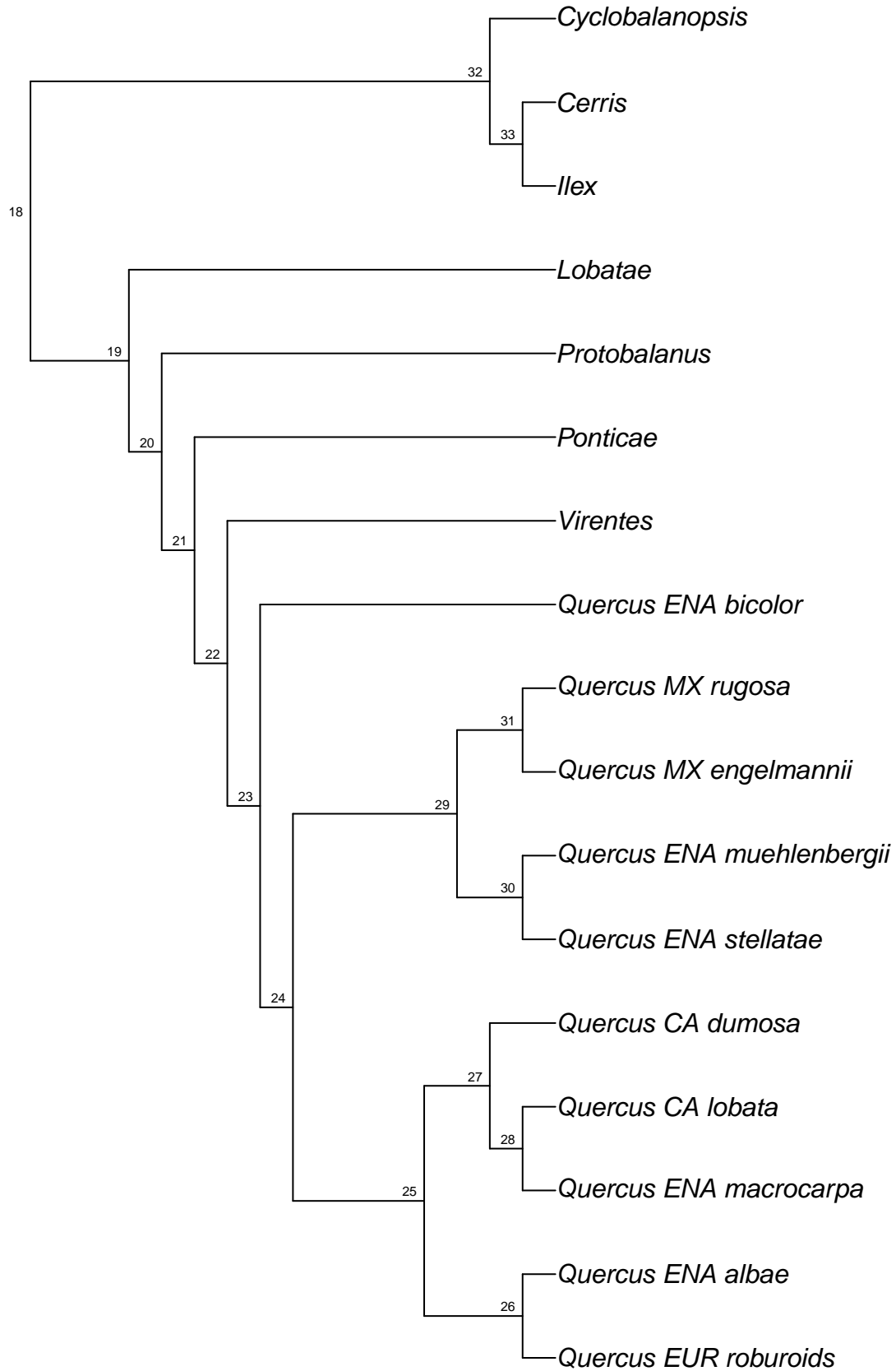
**simRAD.simRAD\_Qalba\_raxml.bt099**



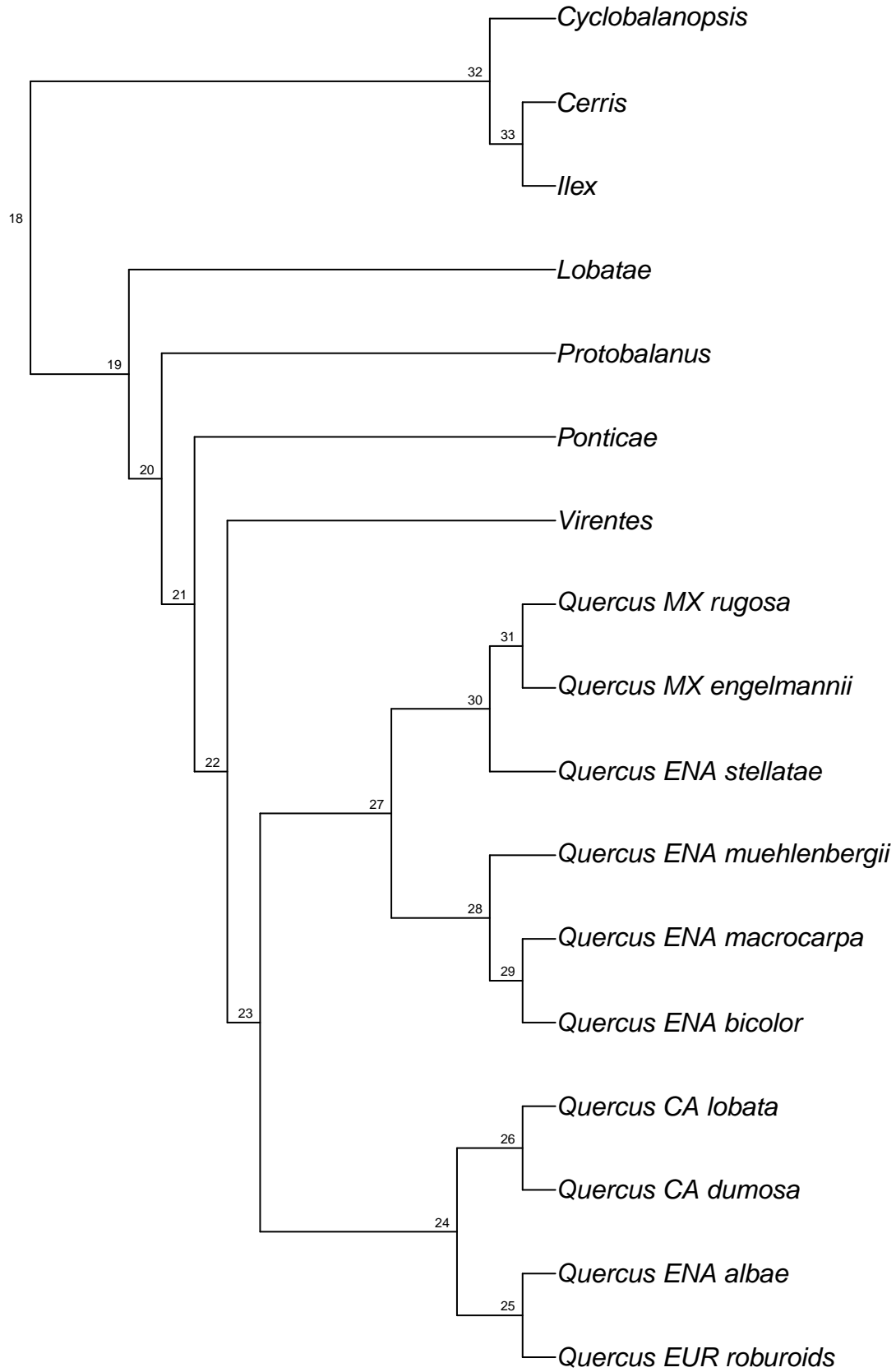
simRAD.simRAD\_Qalba\_raxml.bt100



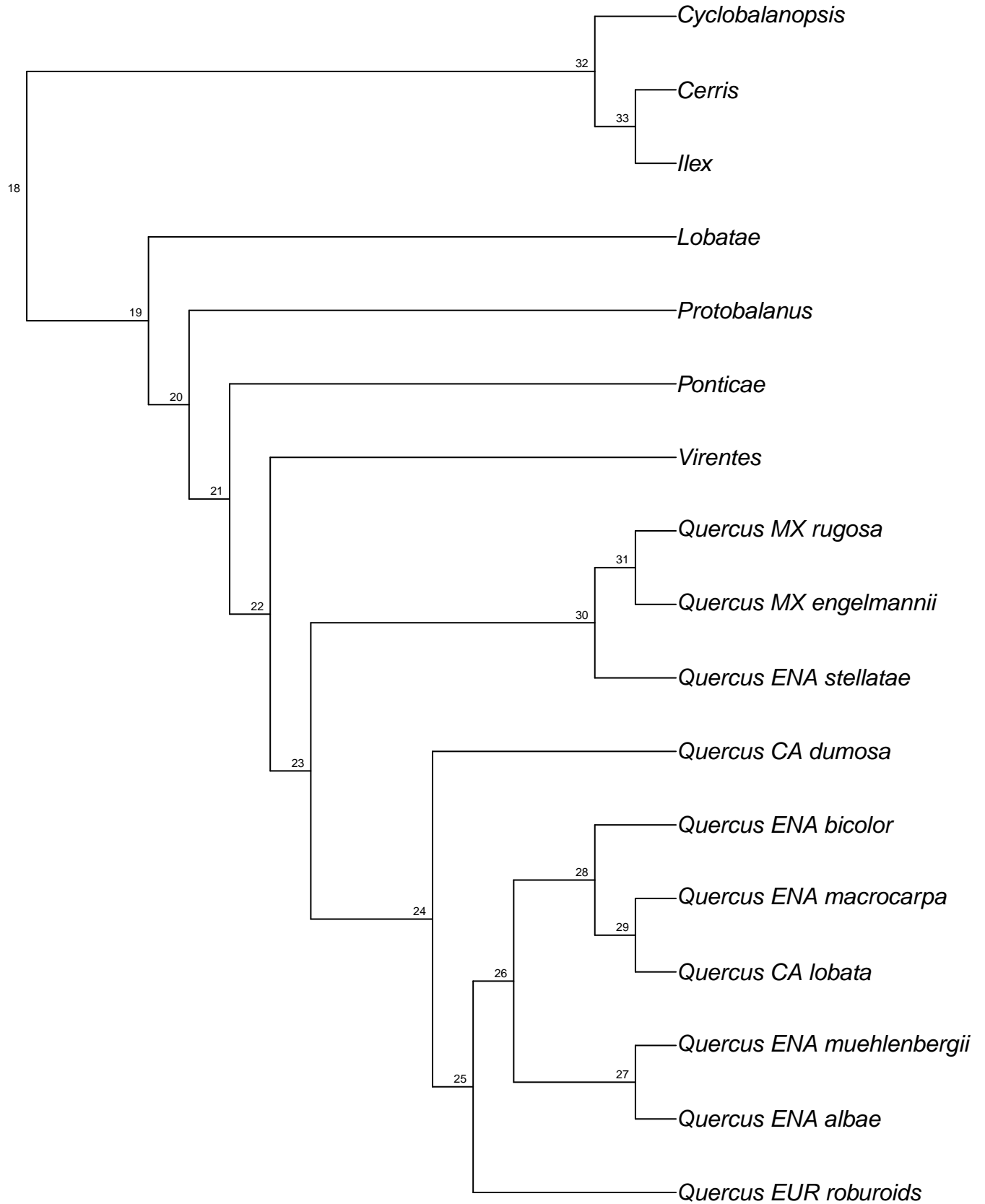
simRAD.simRAD\_Qvar\_raxml.bt001



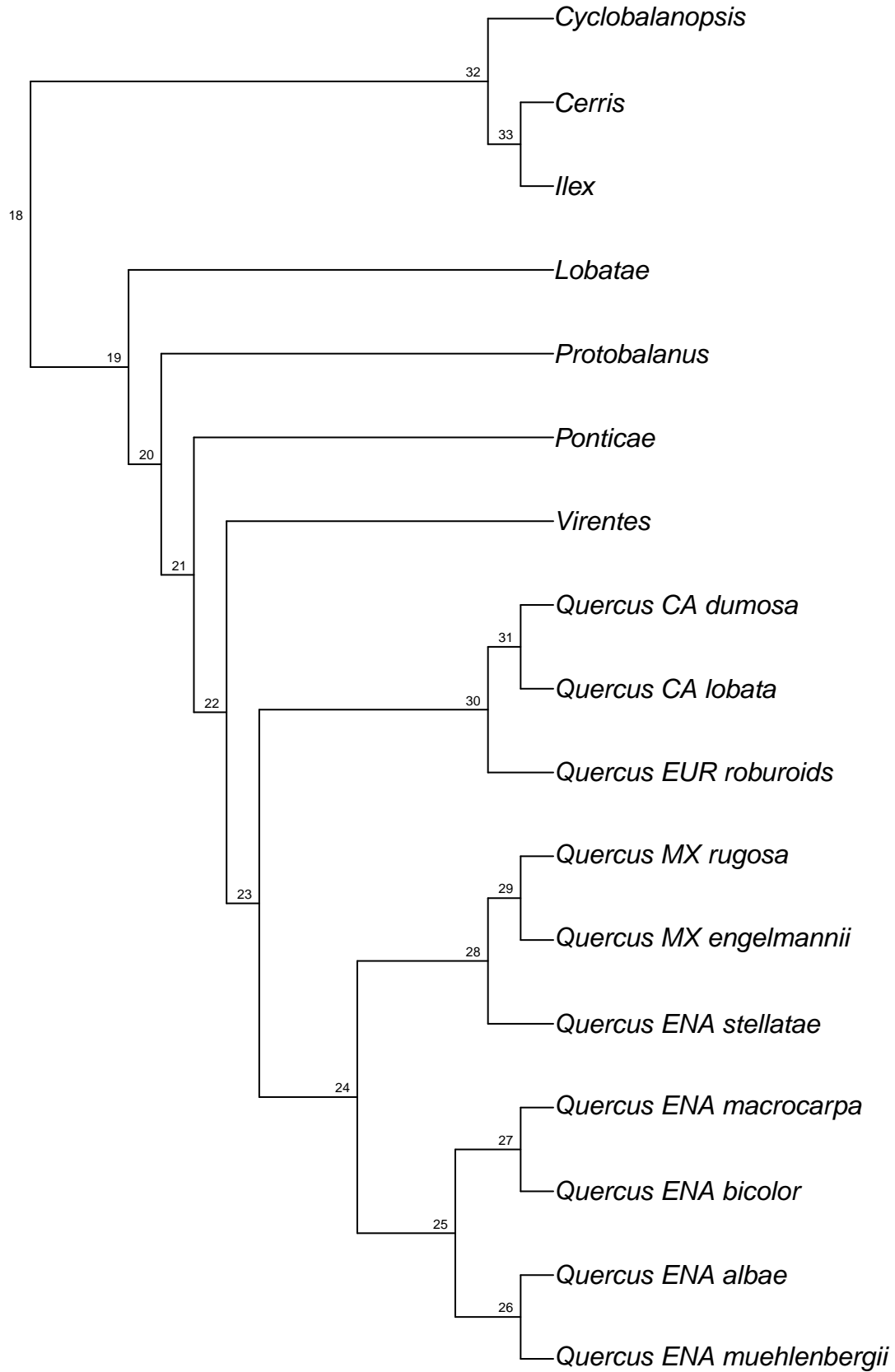
simRAD.simRAD\_Qvar\_raxml.bt002



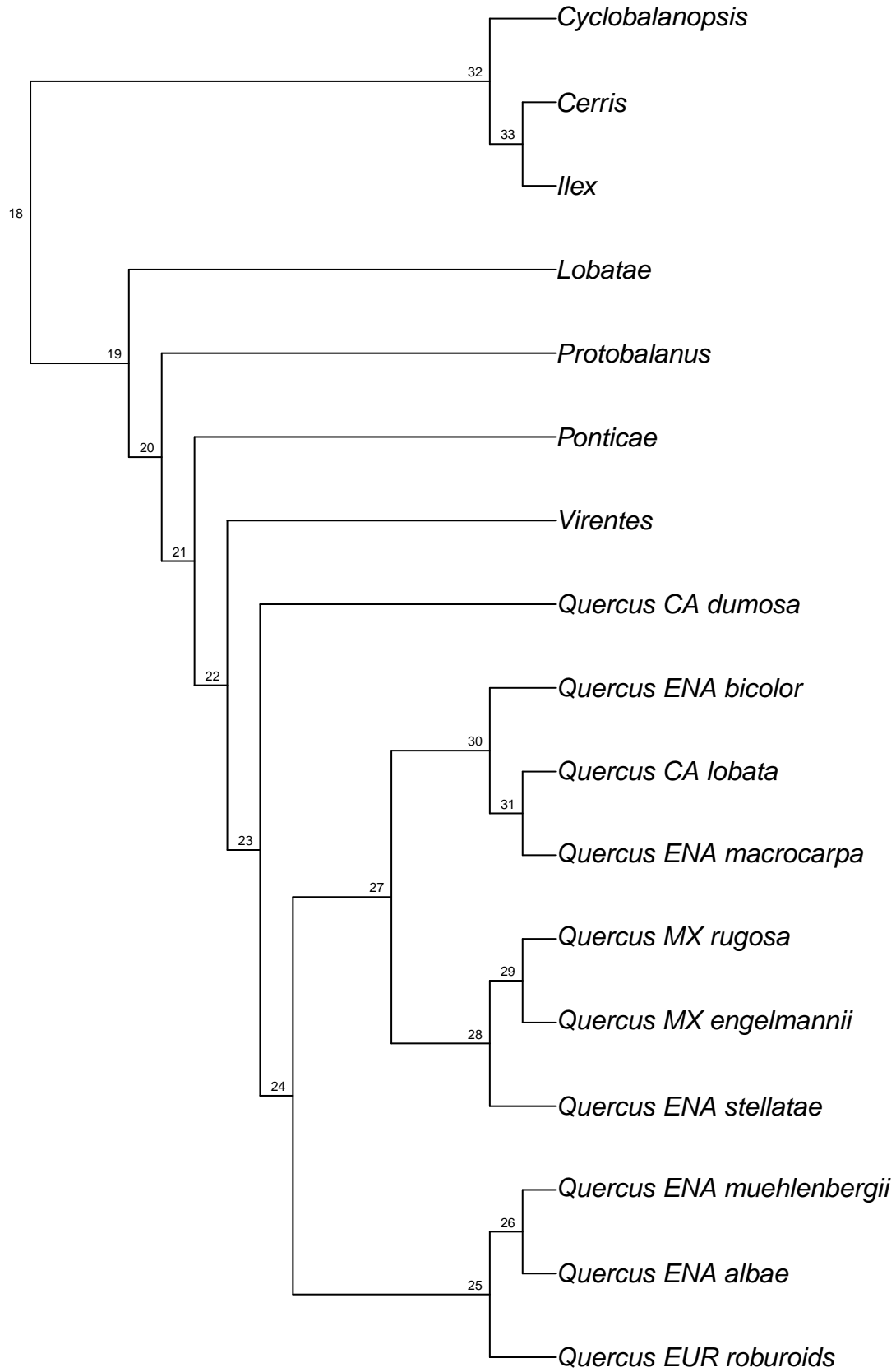
**simRAD.simRAD\_Qvar\_raxml.bt003**



simRAD.simRAD\_Qvar\_raxml.bt004

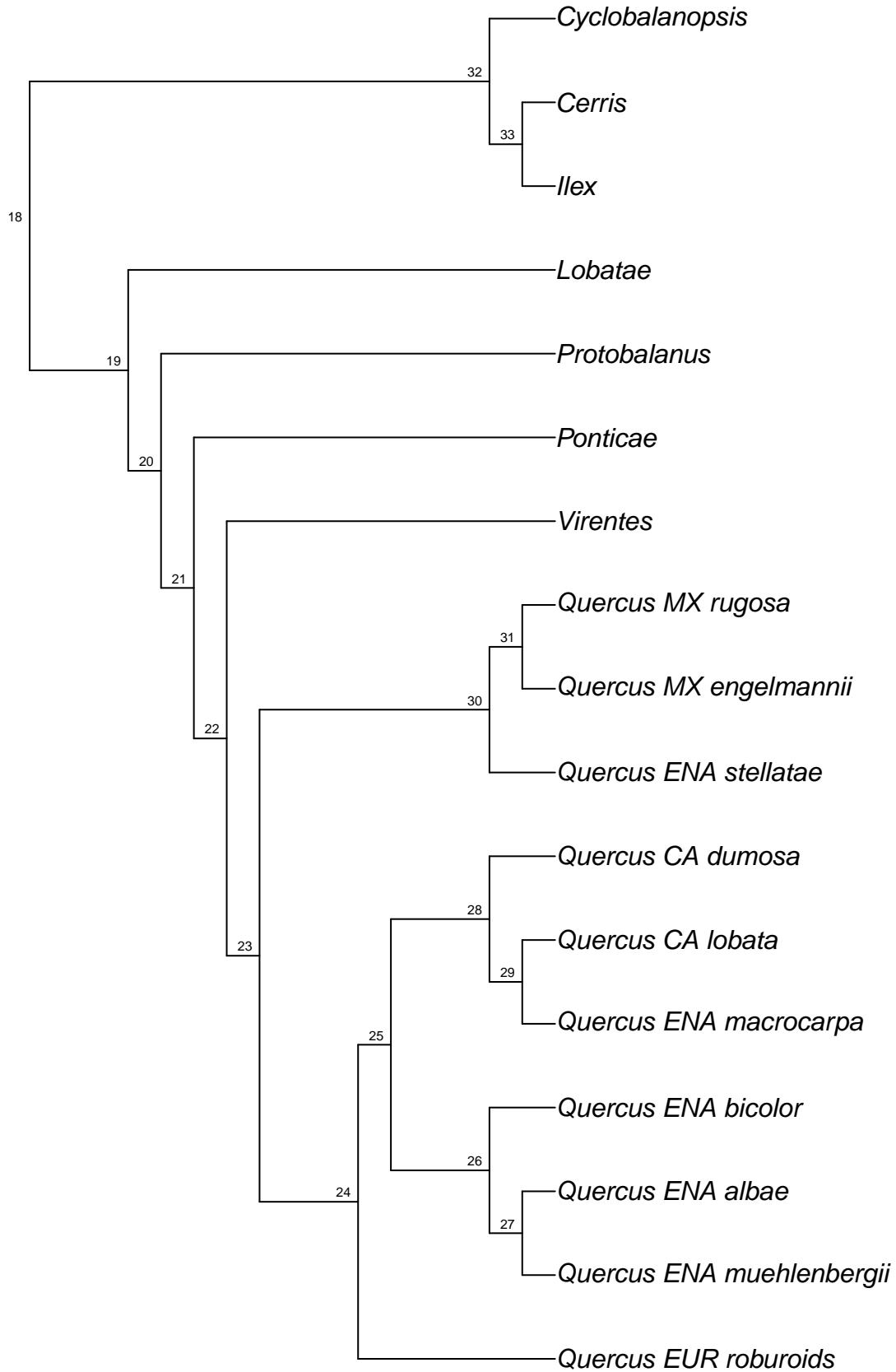


**simRAD.simRAD\_Qvar\_raxml.bt005**

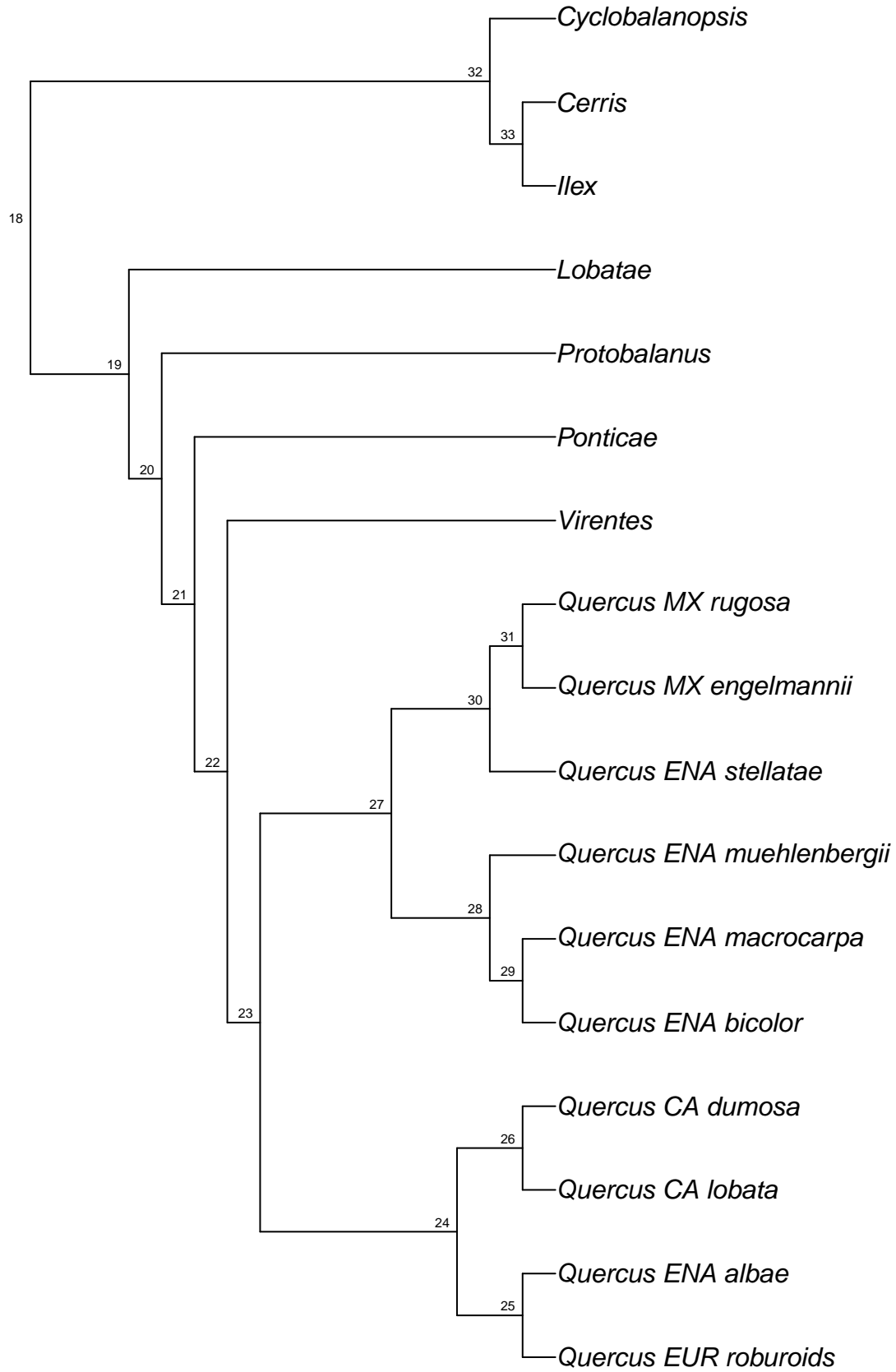




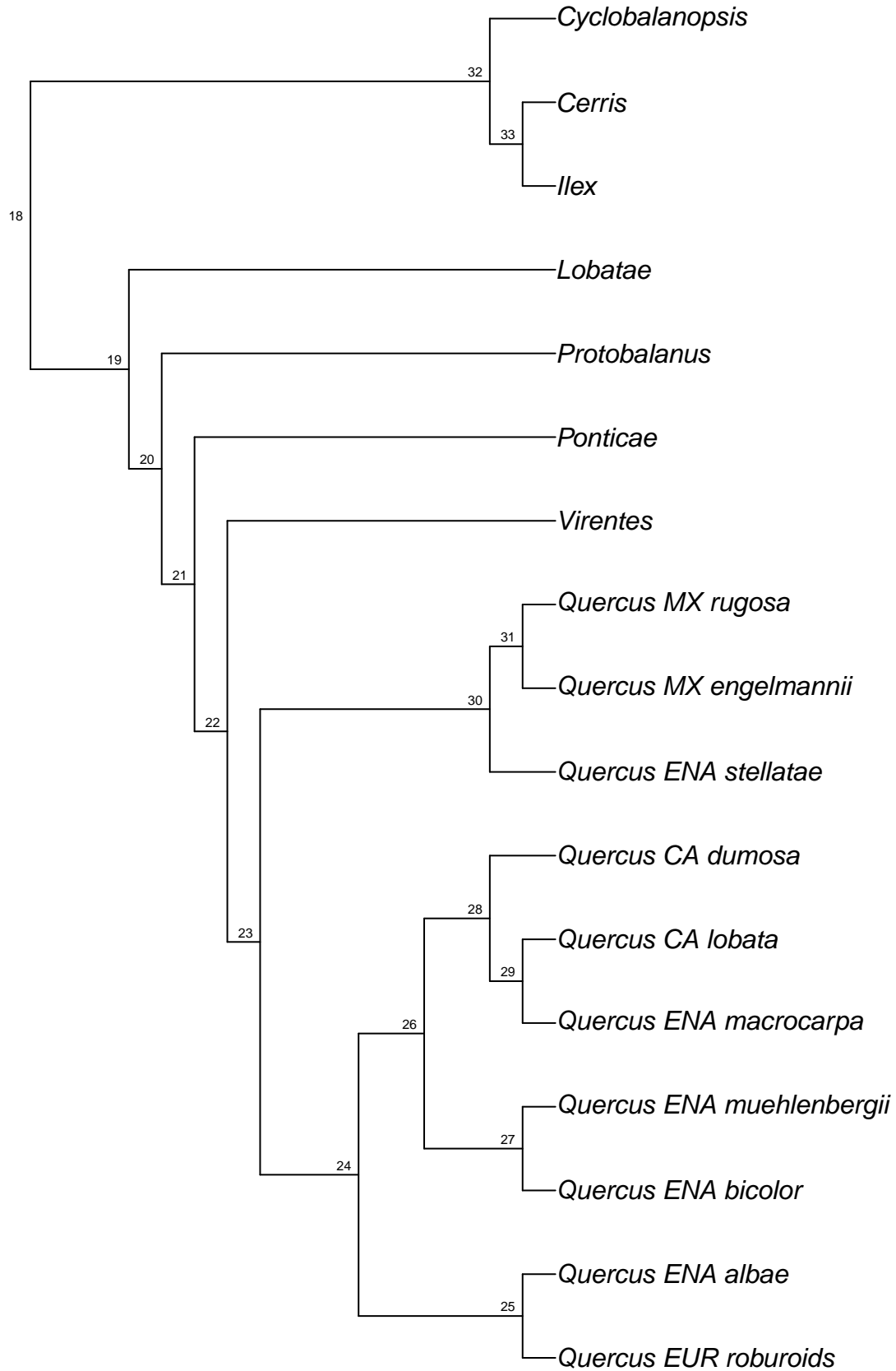
simRAD.simRAD\_Qvar\_raxml.bt006



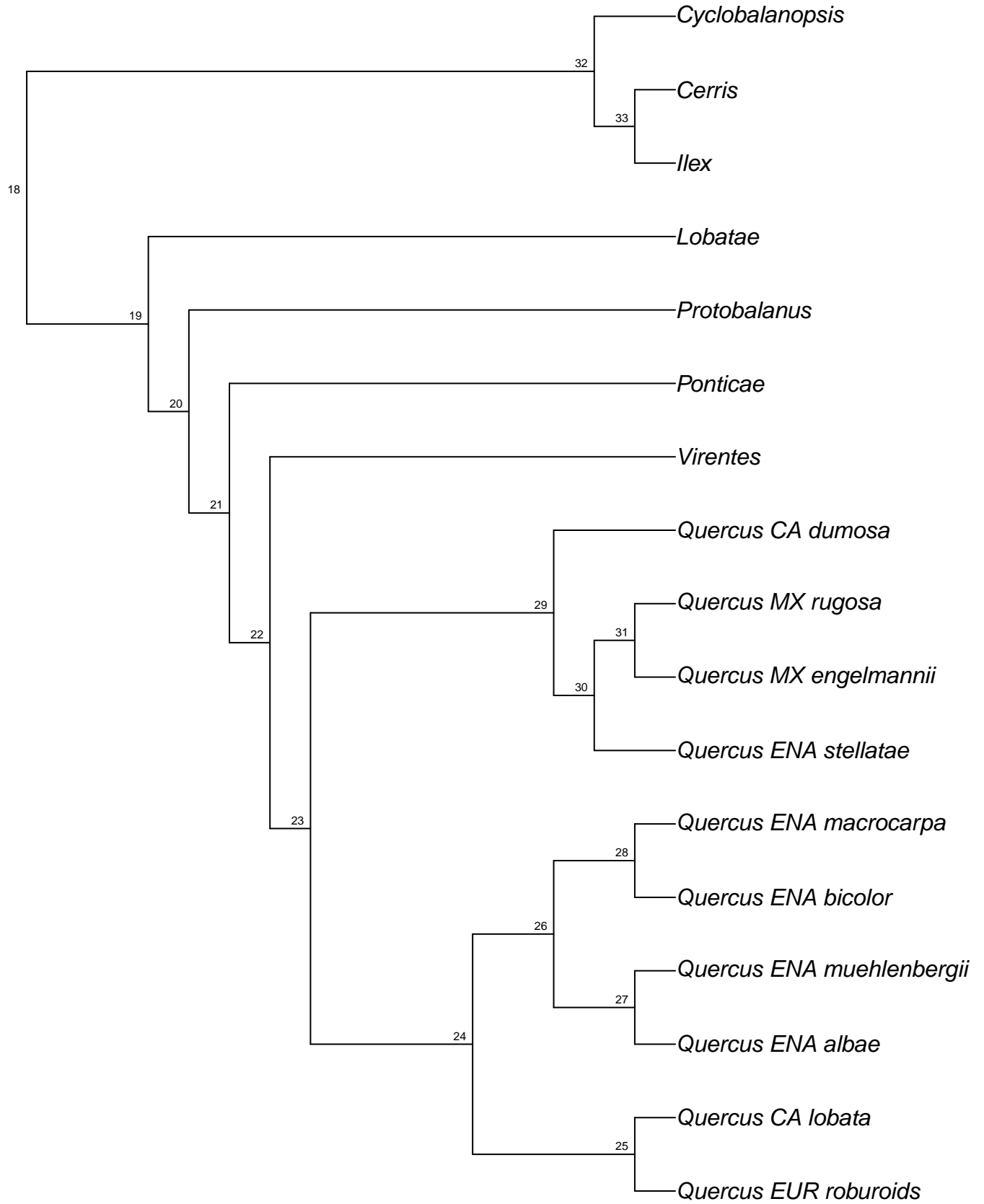
simRAD.simRAD\_Qvar\_raxml.bt007



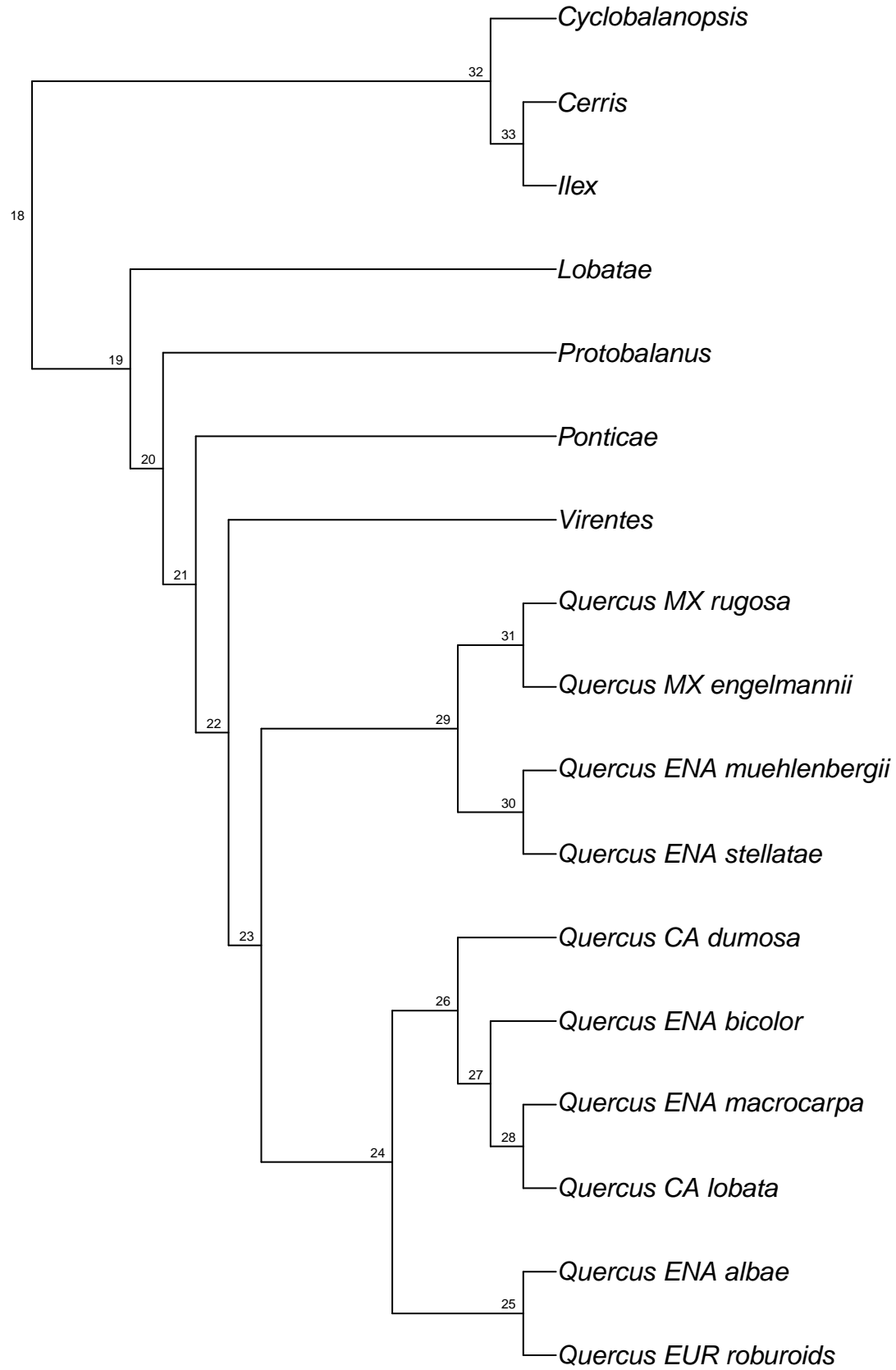
simRAD.simRAD\_Qvar\_raxml.bt008



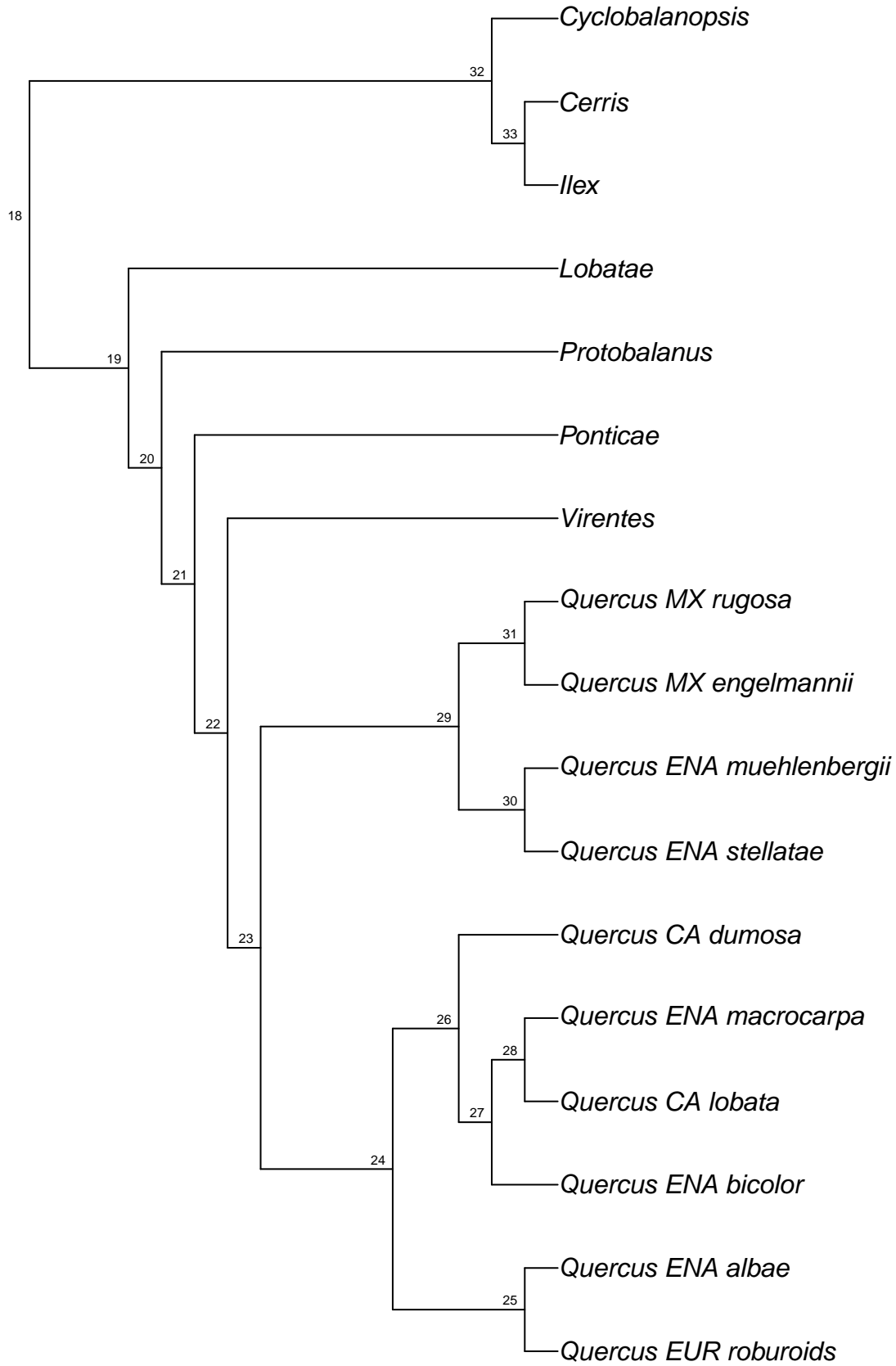
simRAD.simRAD\_Qvar\_raxml.bt009



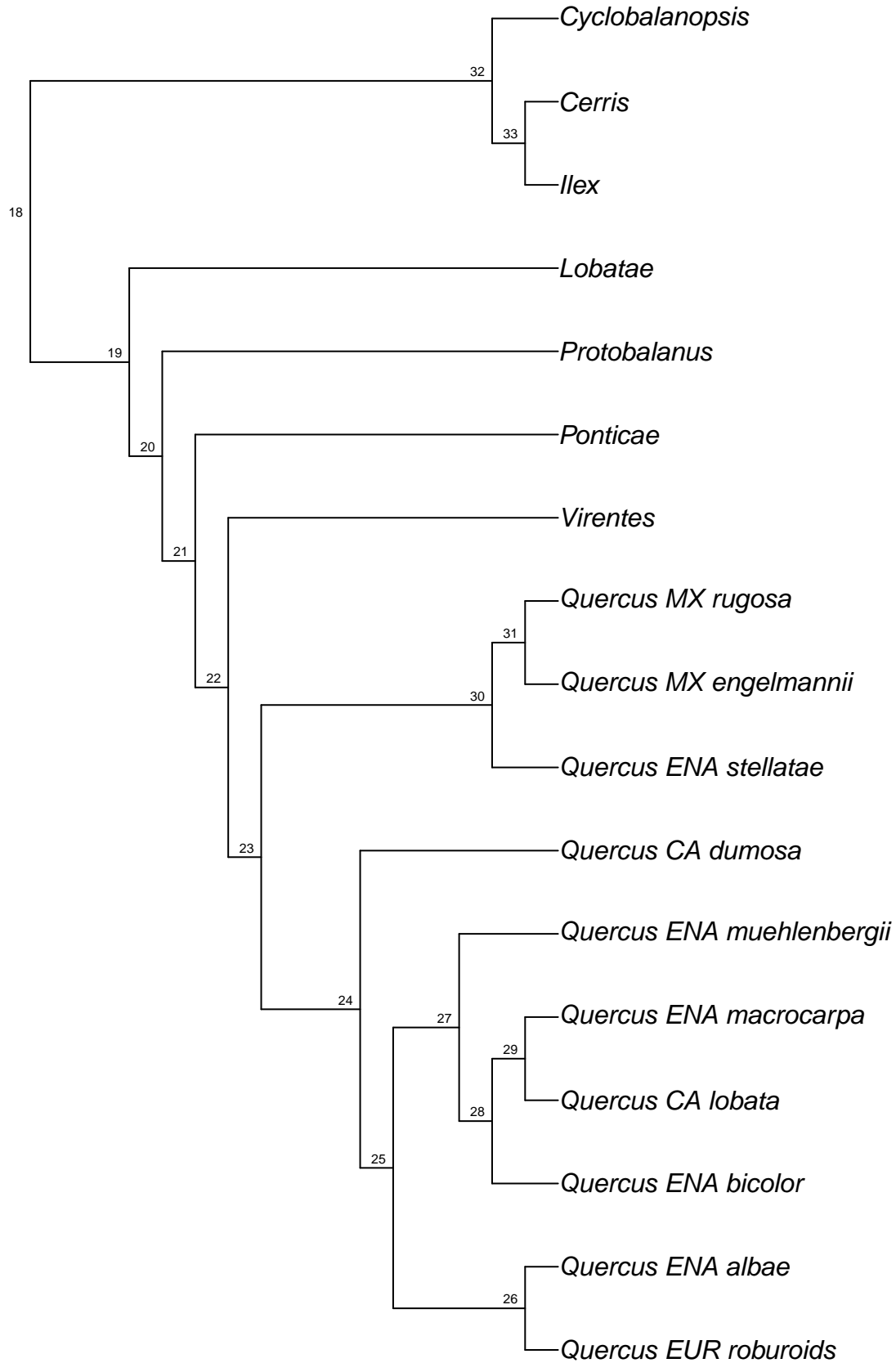
simRAD.simRAD\_Qvar\_raxml.bt010



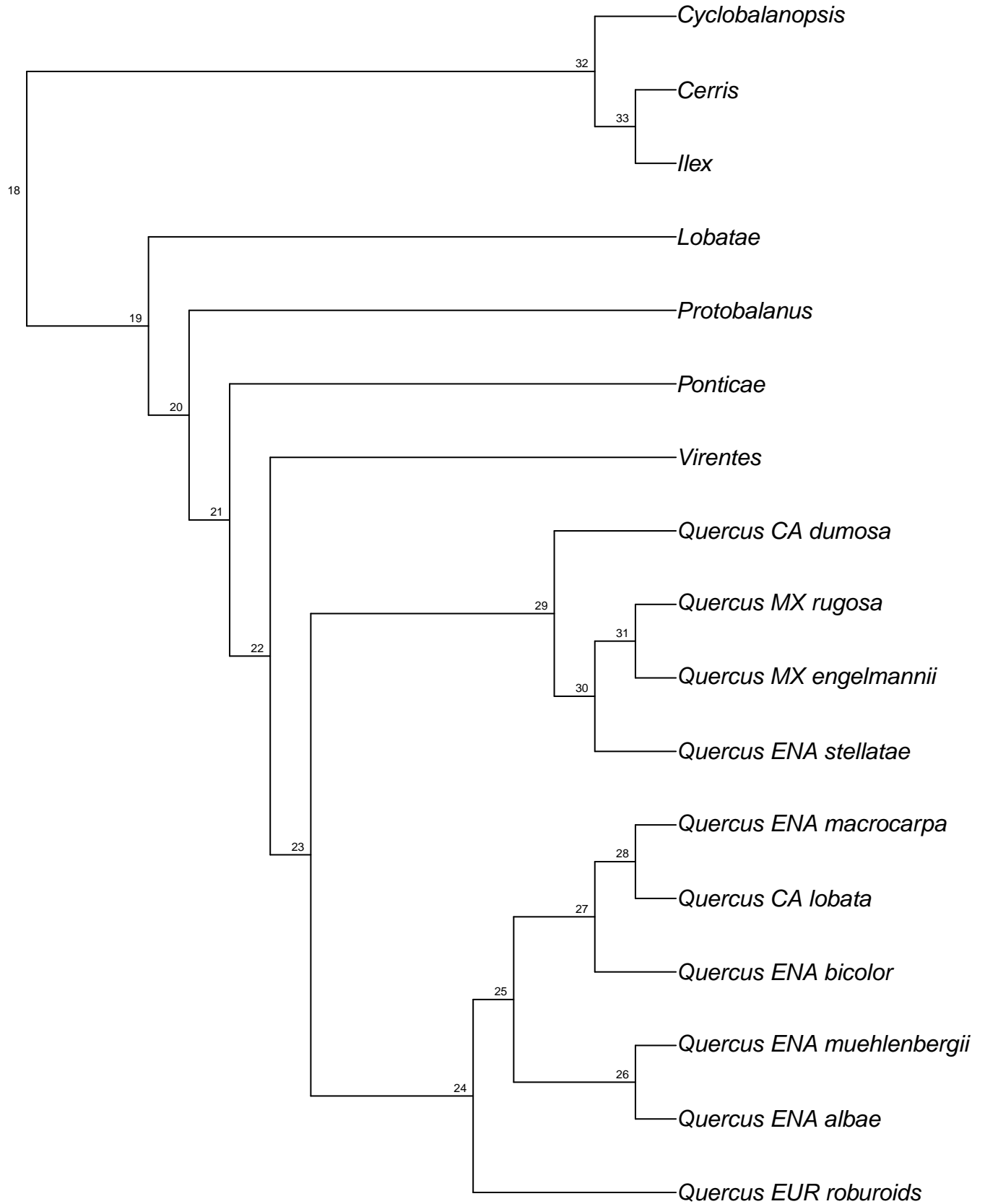
simRAD.simRAD\_Qvar\_raxml.bt011



simRAD.simRAD\_Qvar\_raxml.bt012

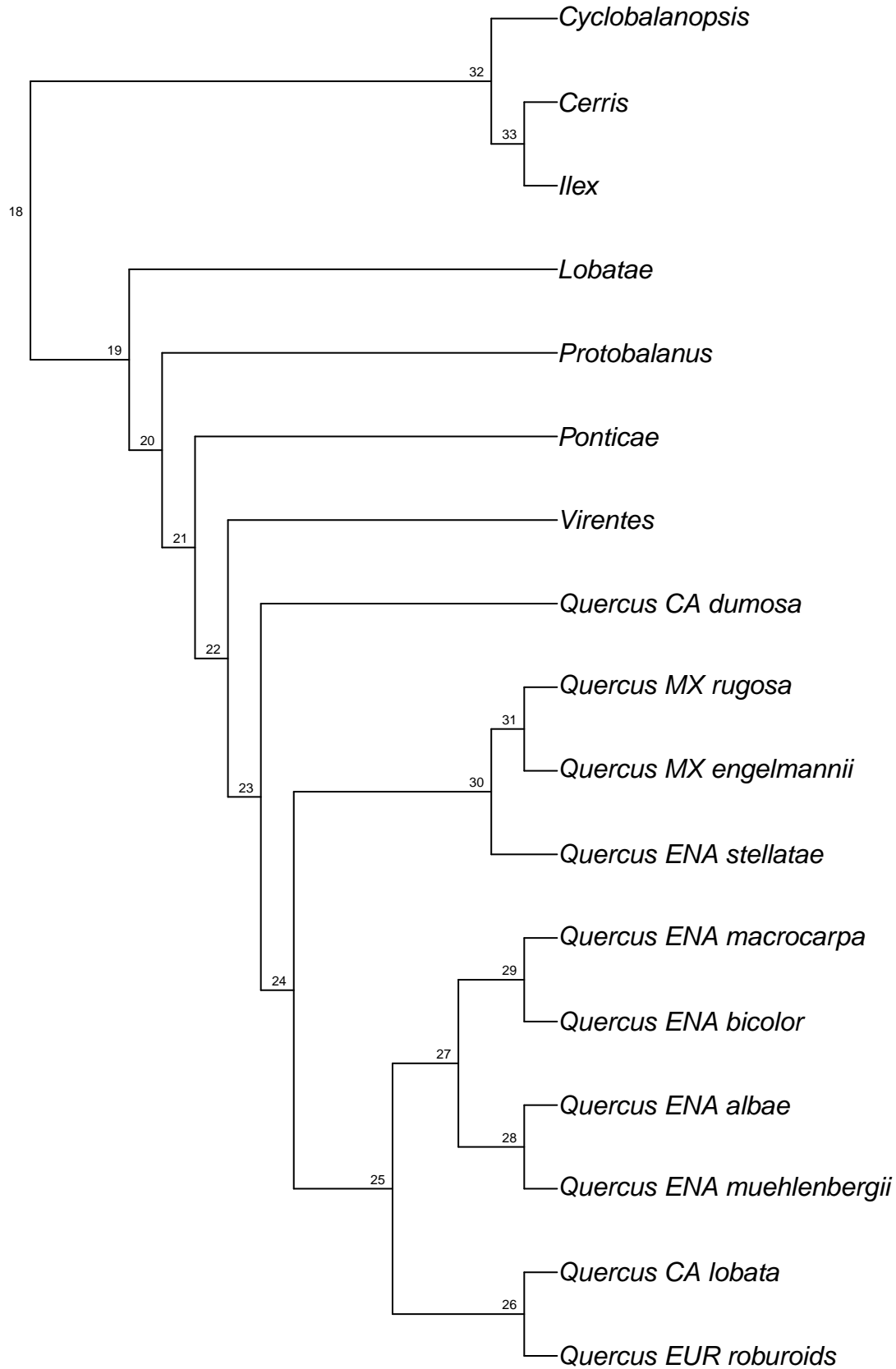


simRAD.simRAD\_Qvar\_raxml.bt013

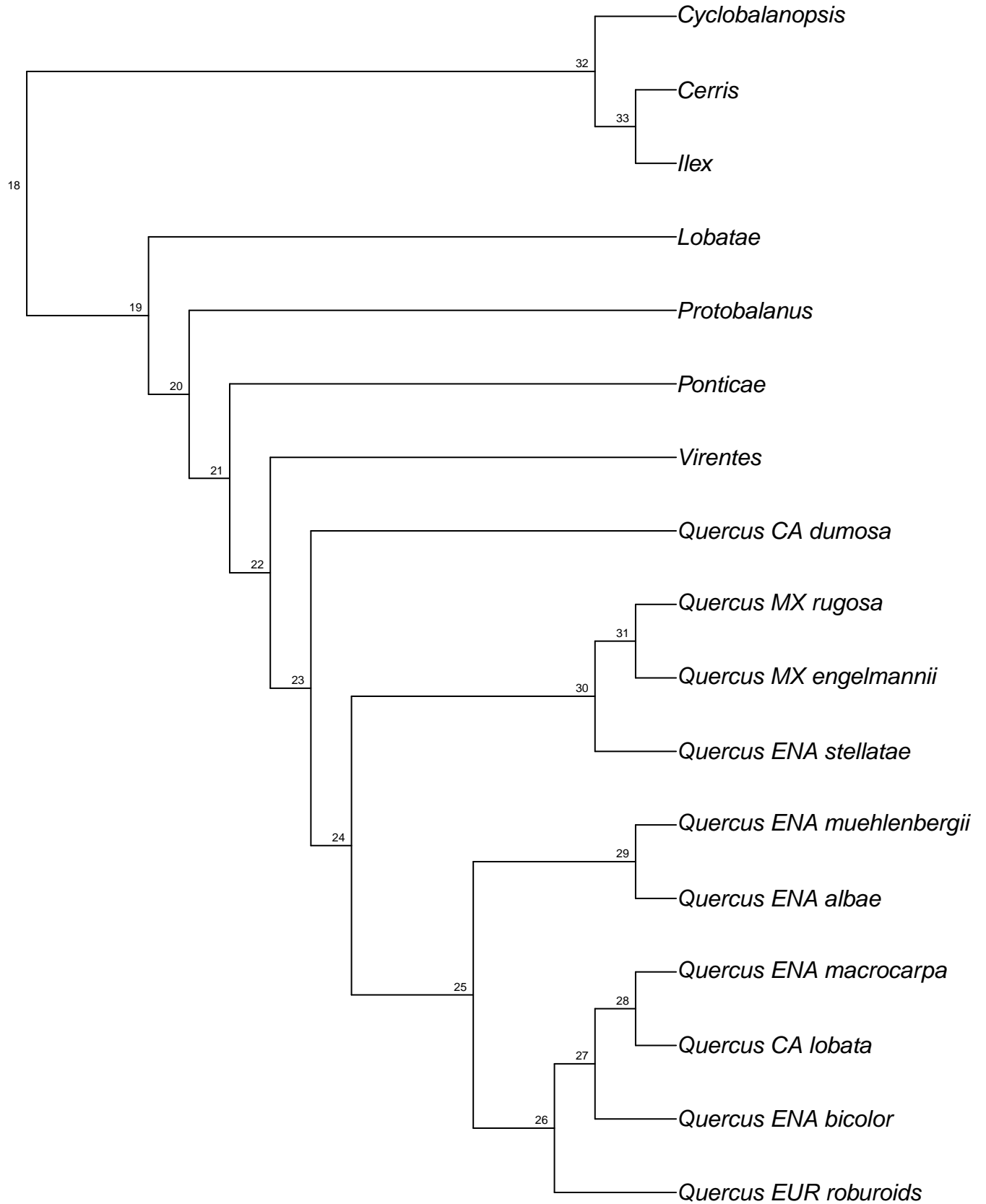




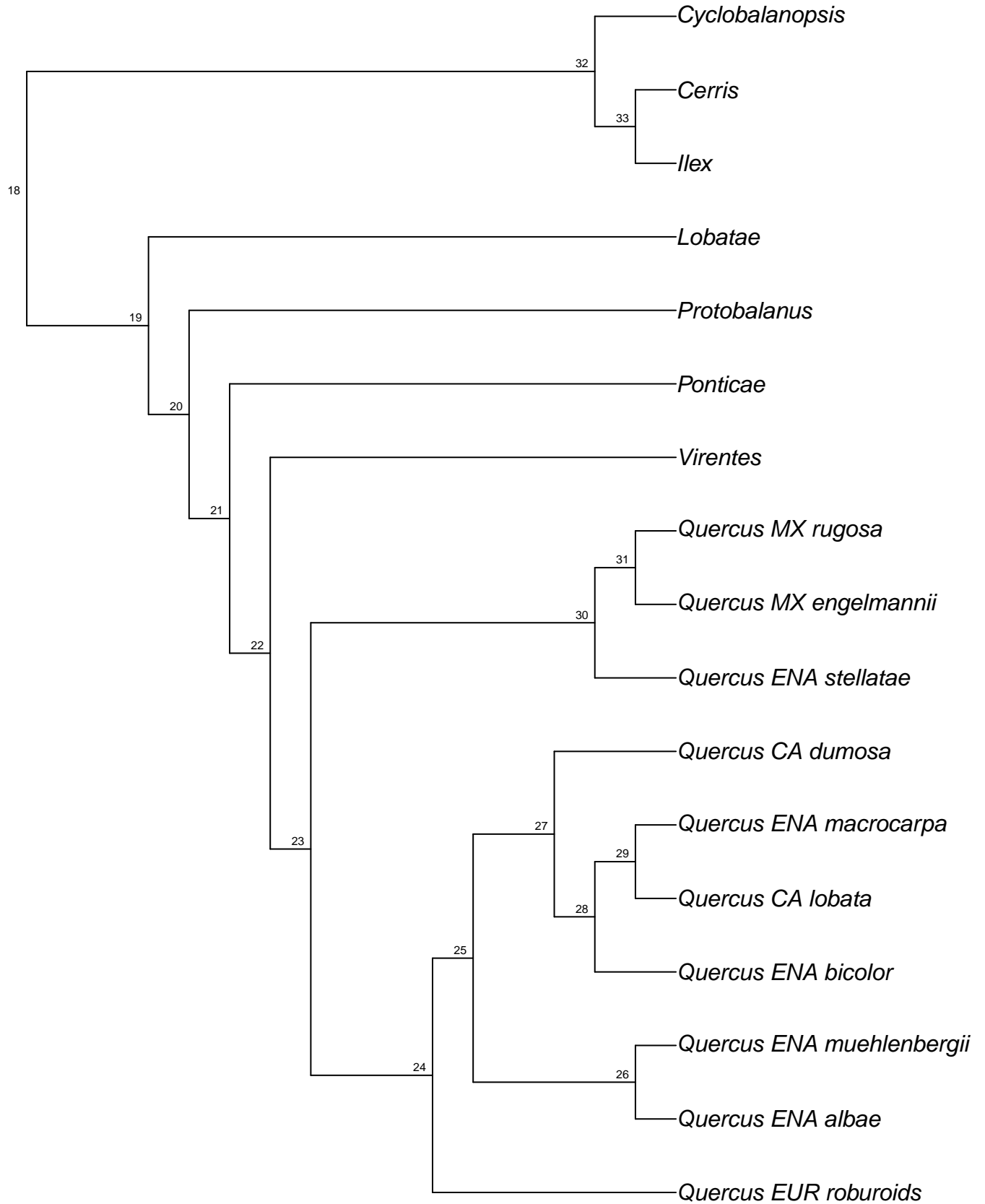
simRAD.simRAD\_Qvar\_raxml.bt014



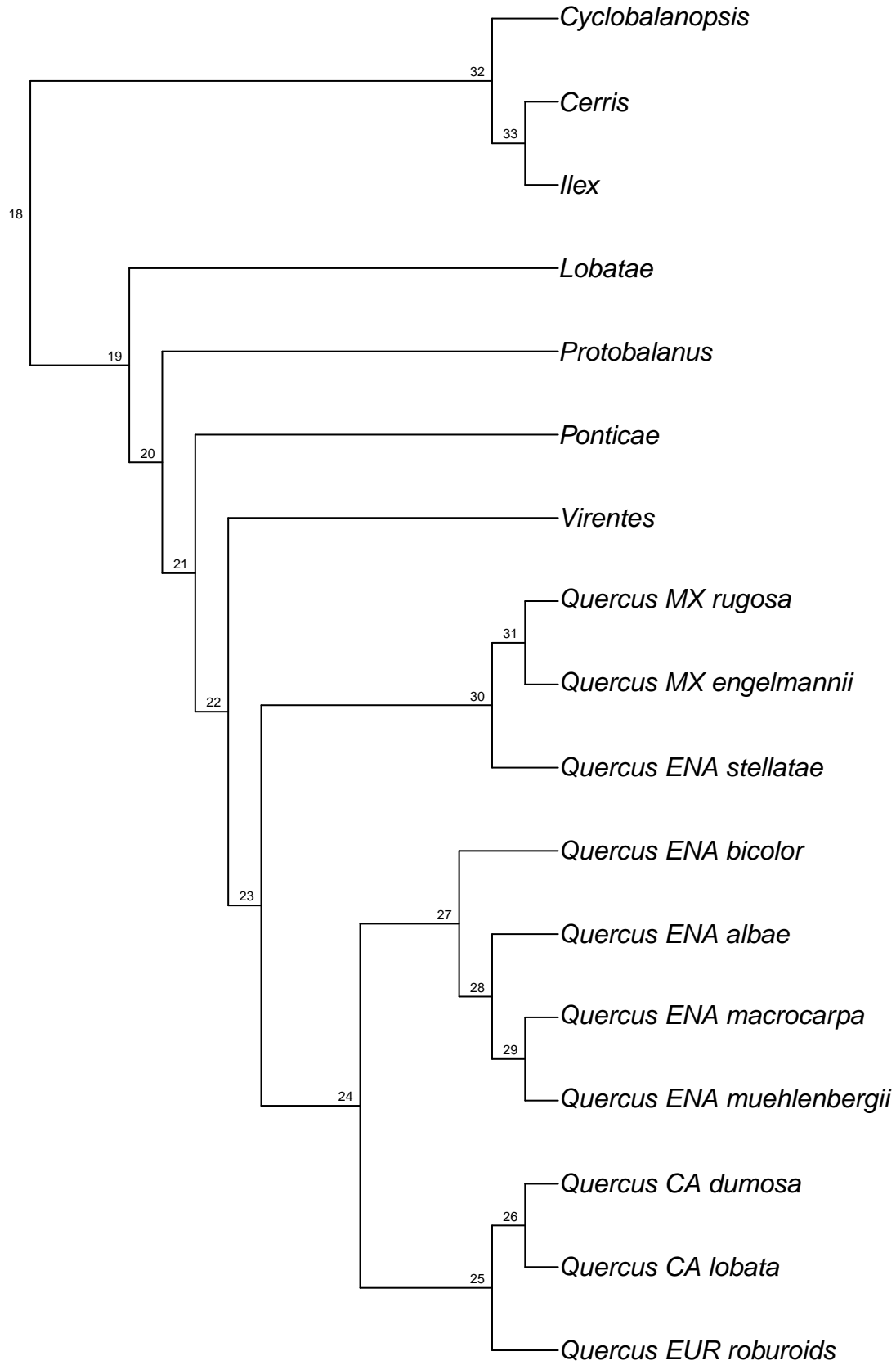
simRAD.simRAD\_Qvar\_raxml.bt015



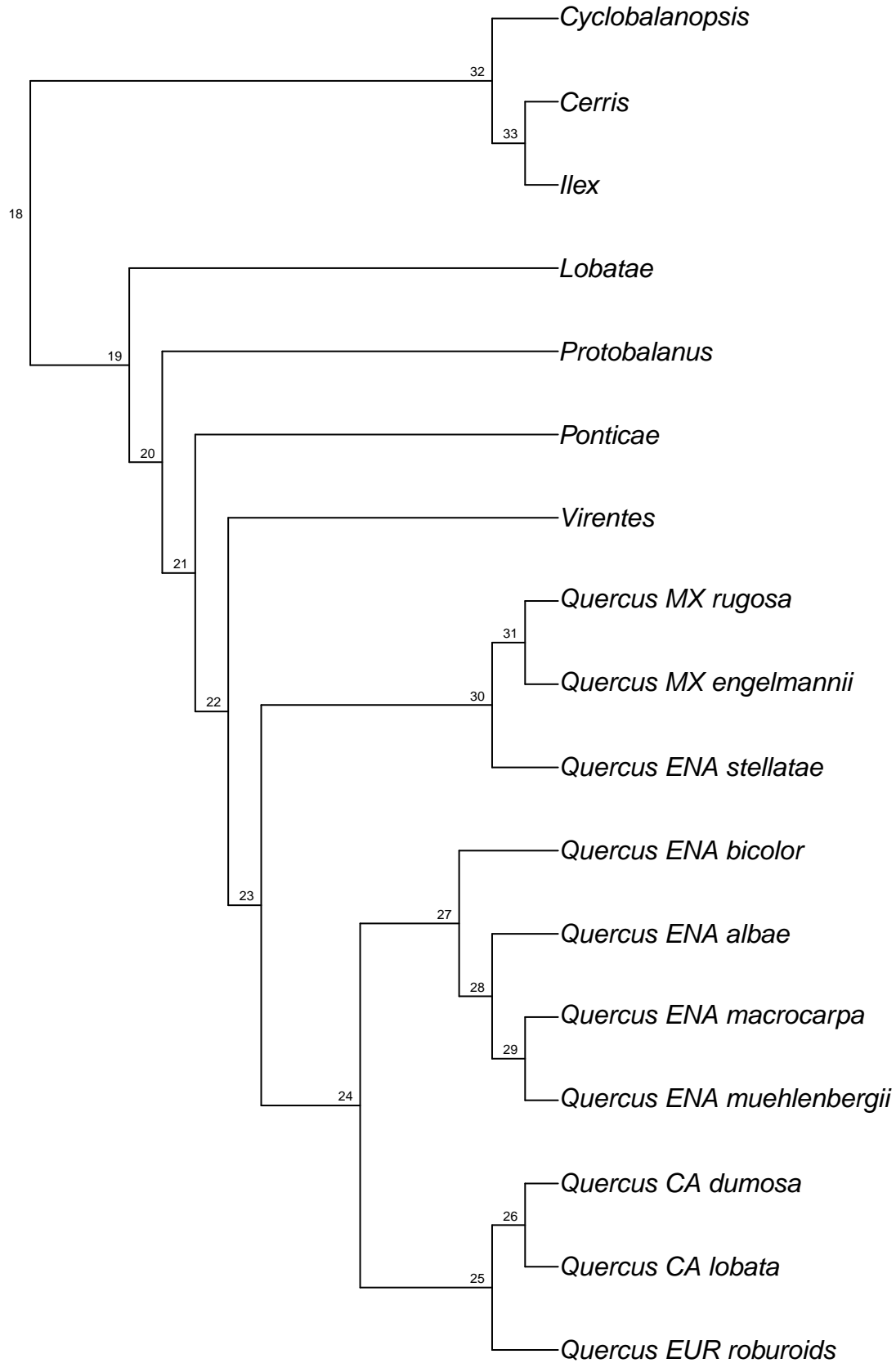
simRAD.simRAD\_Qvar\_raxml.bt016



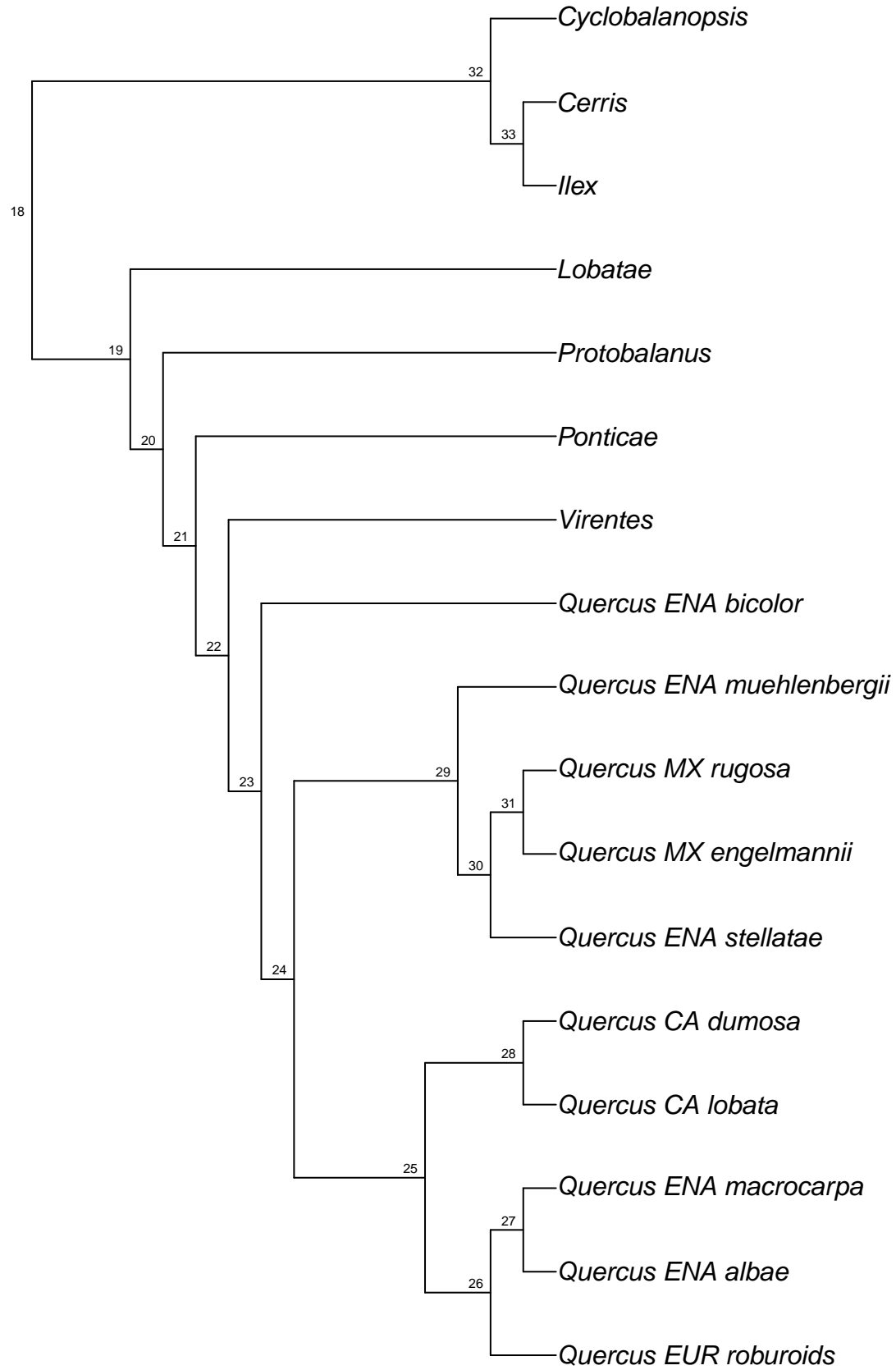
simRAD.simRAD\_Qvar\_raxml.bt017



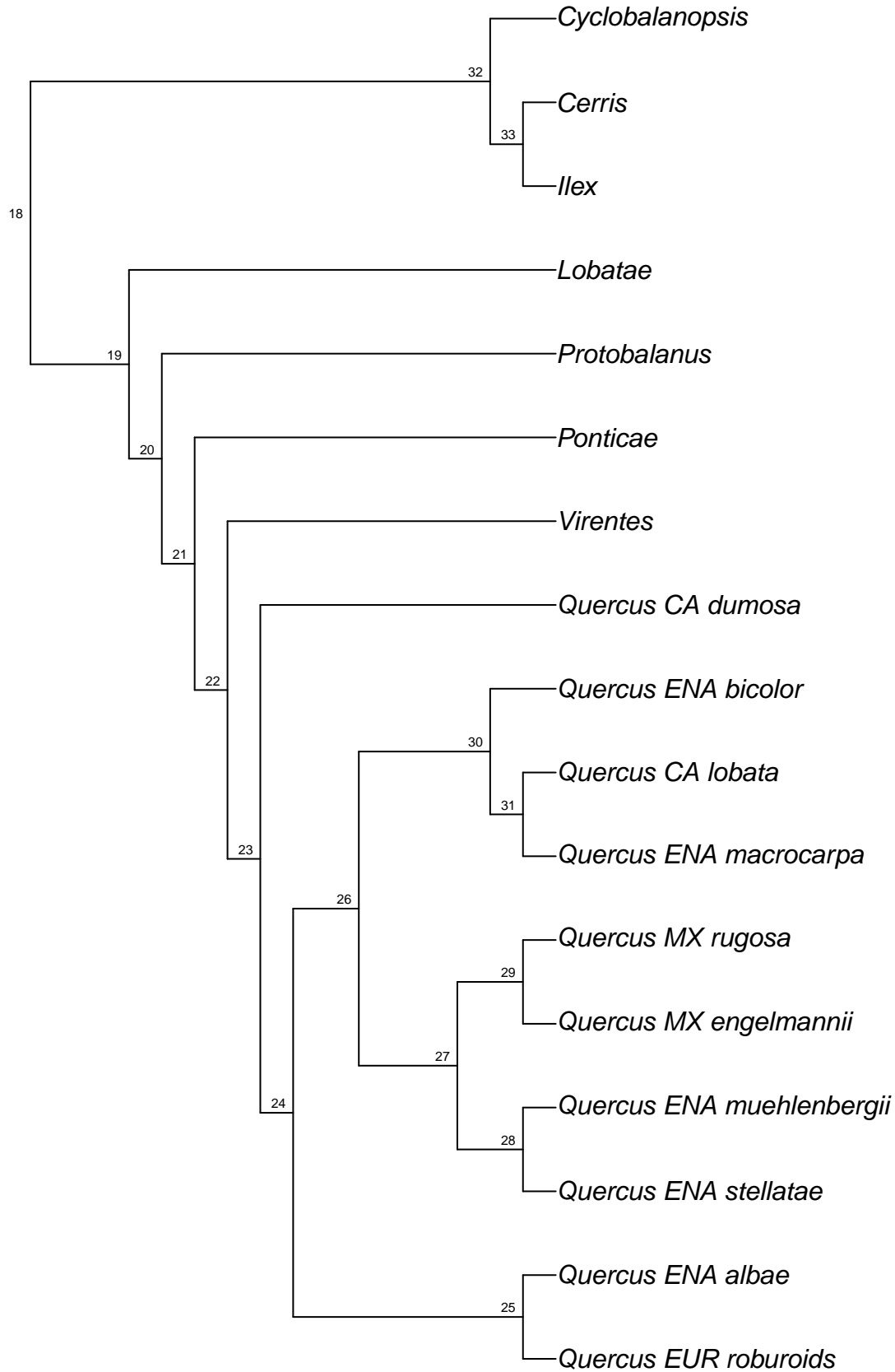
simRAD.simRAD\_Qvar\_raxml.bt018



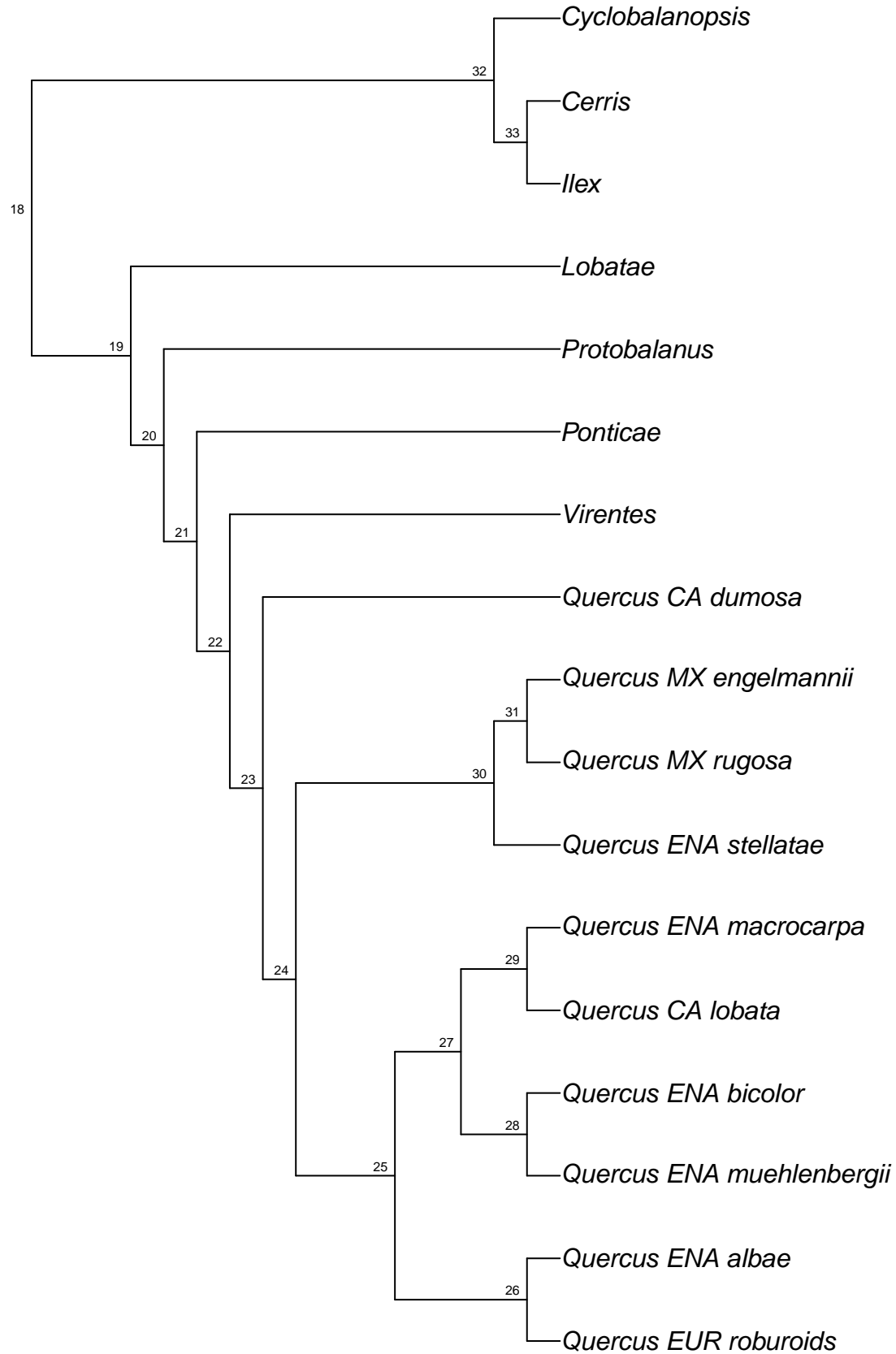
simRAD.simRAD\_Qvar\_raxml.bt019



simRAD.simRAD\_Qvar\_raxml.bt020

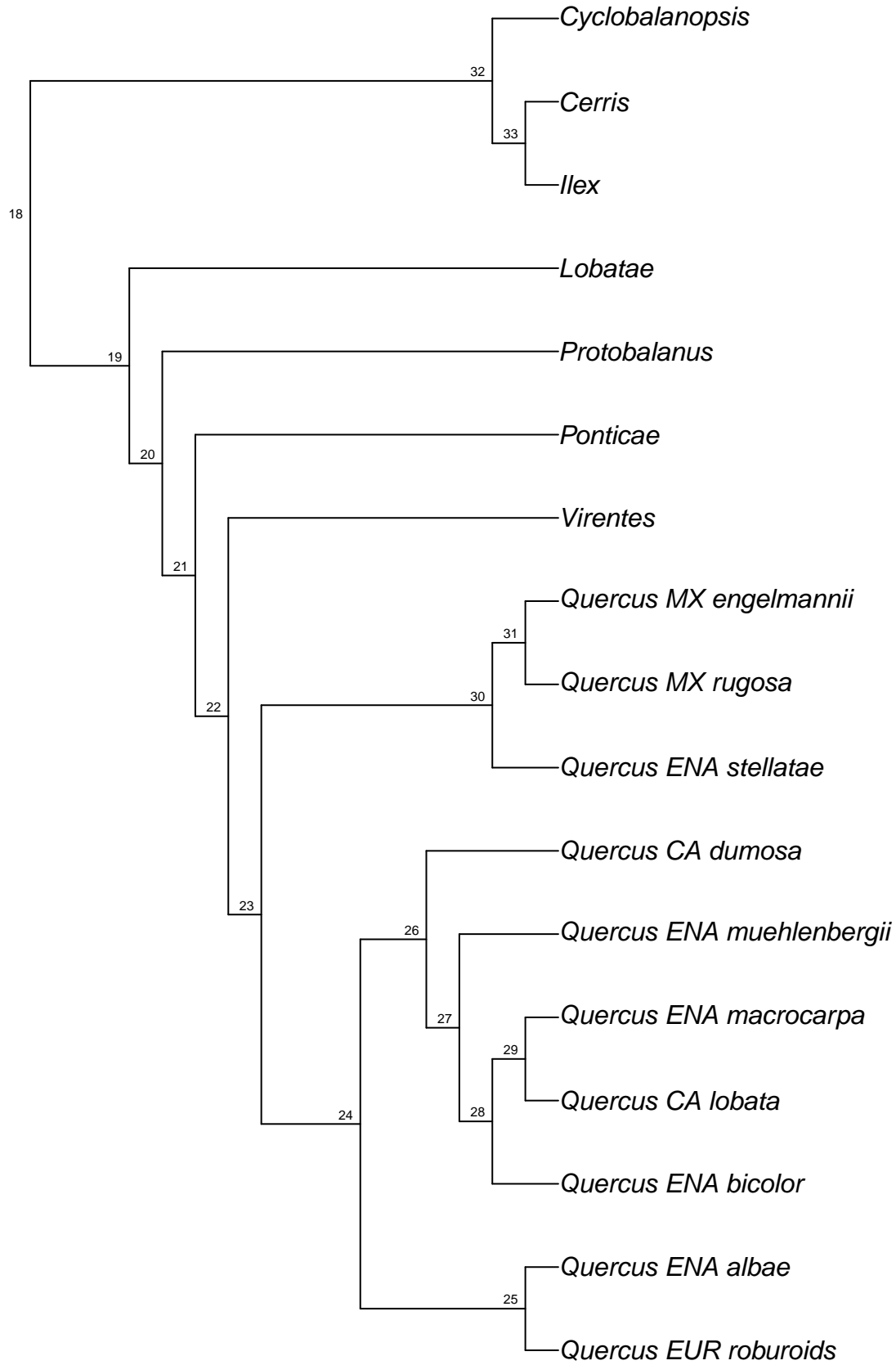


simRAD.simRAD\_Qvar\_raxml.bt021

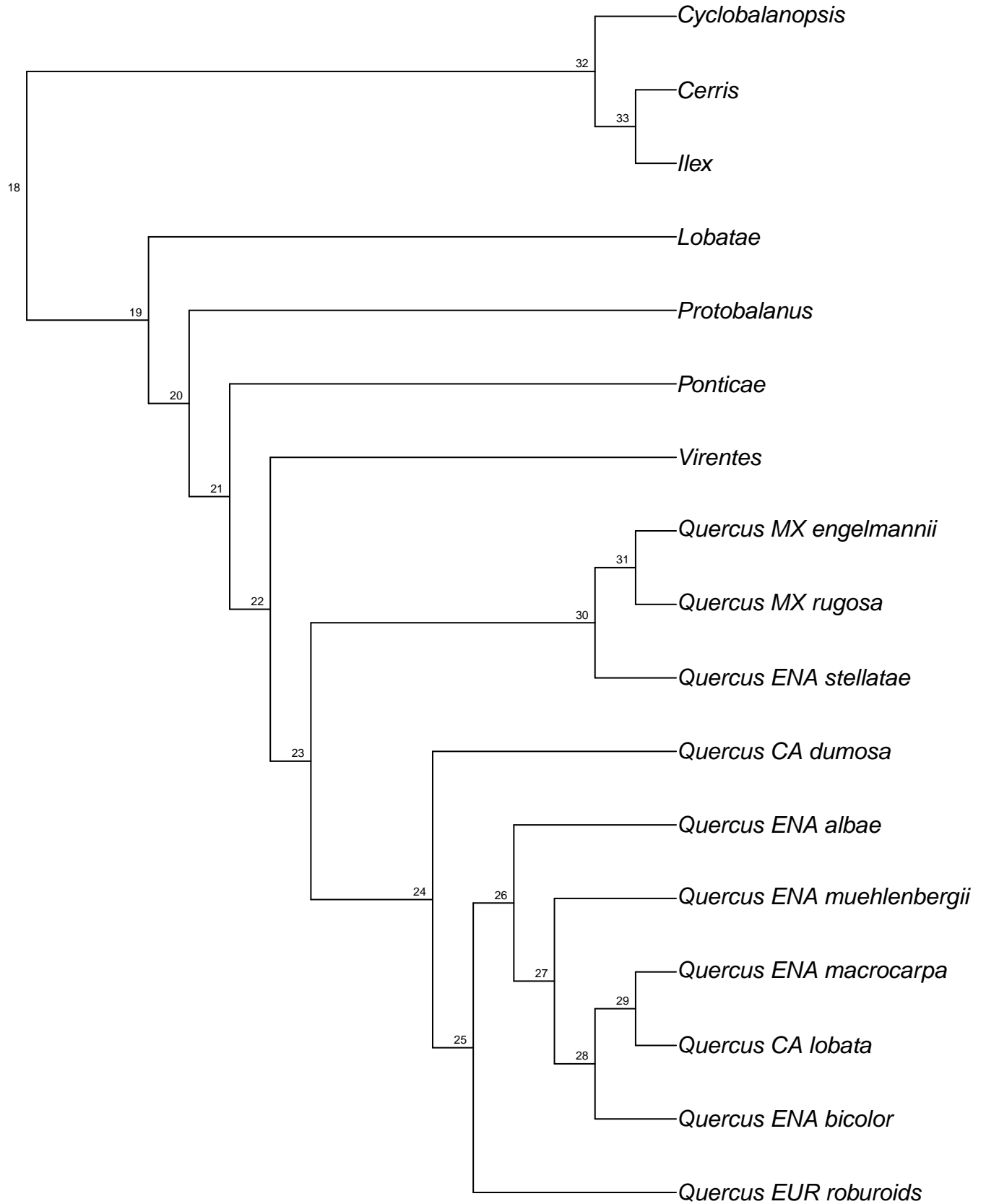




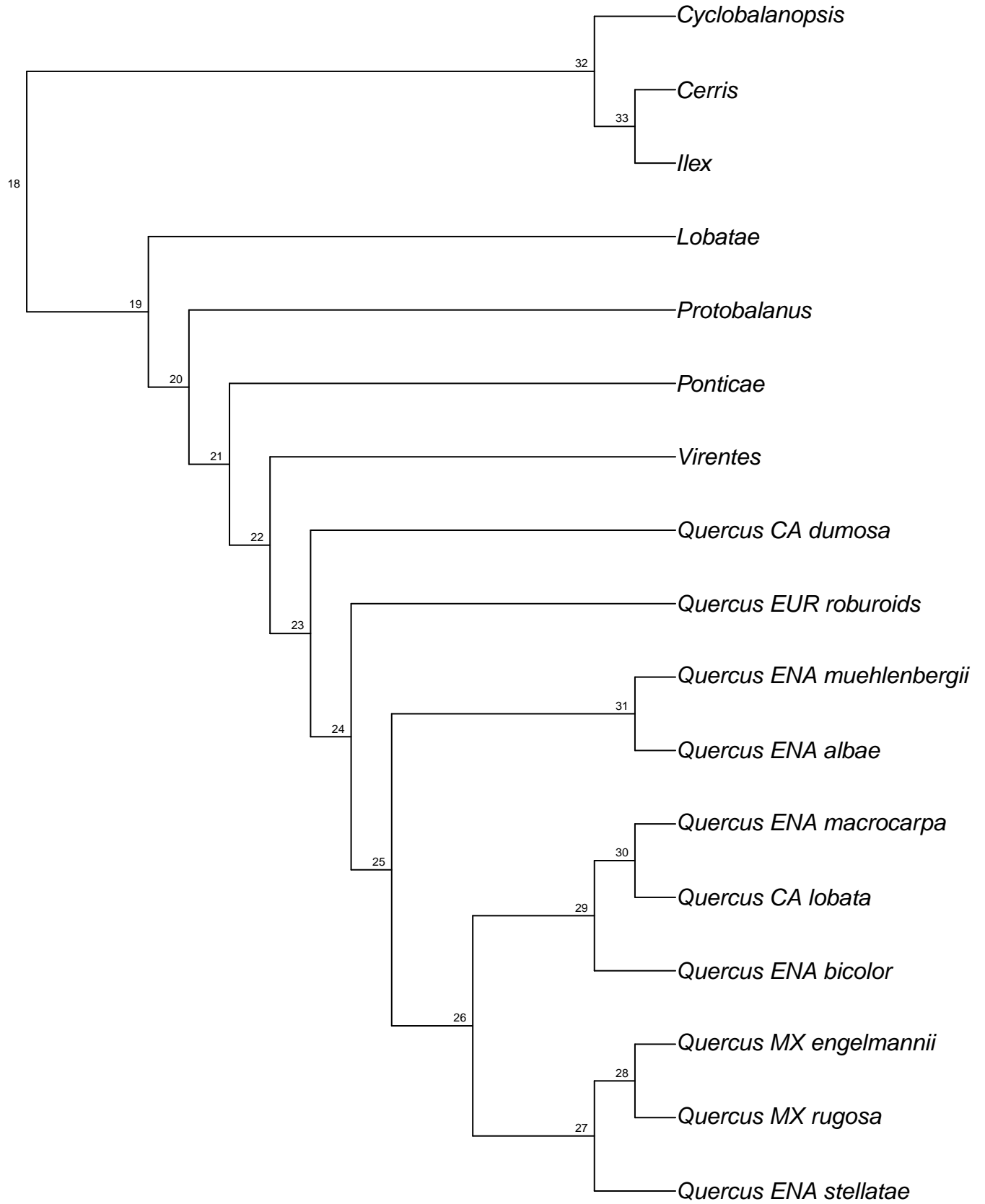
simRAD.simRAD\_Qvar\_raxml.bt022



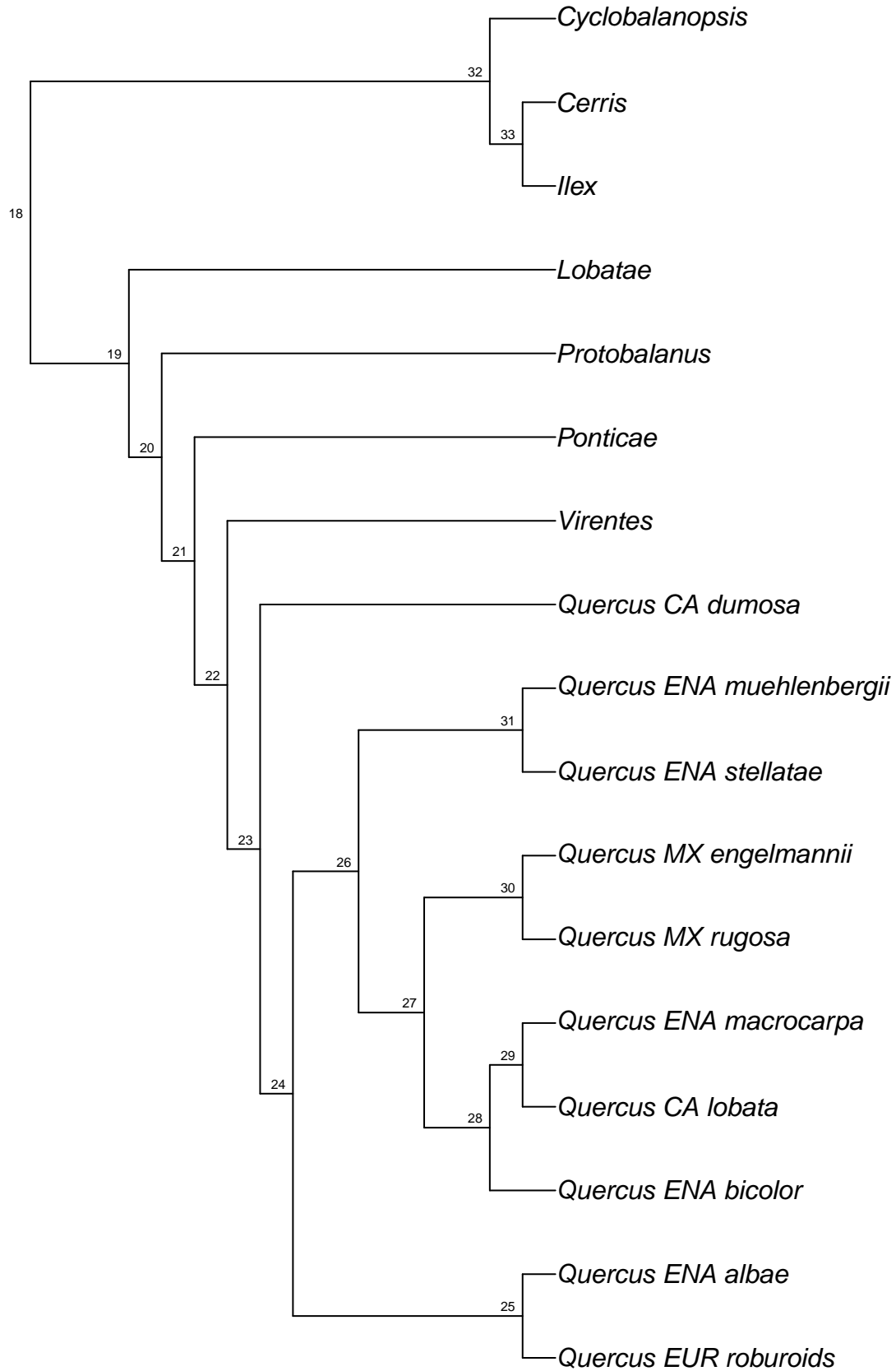
simRAD.simRAD\_Qvar\_raxml.bt023



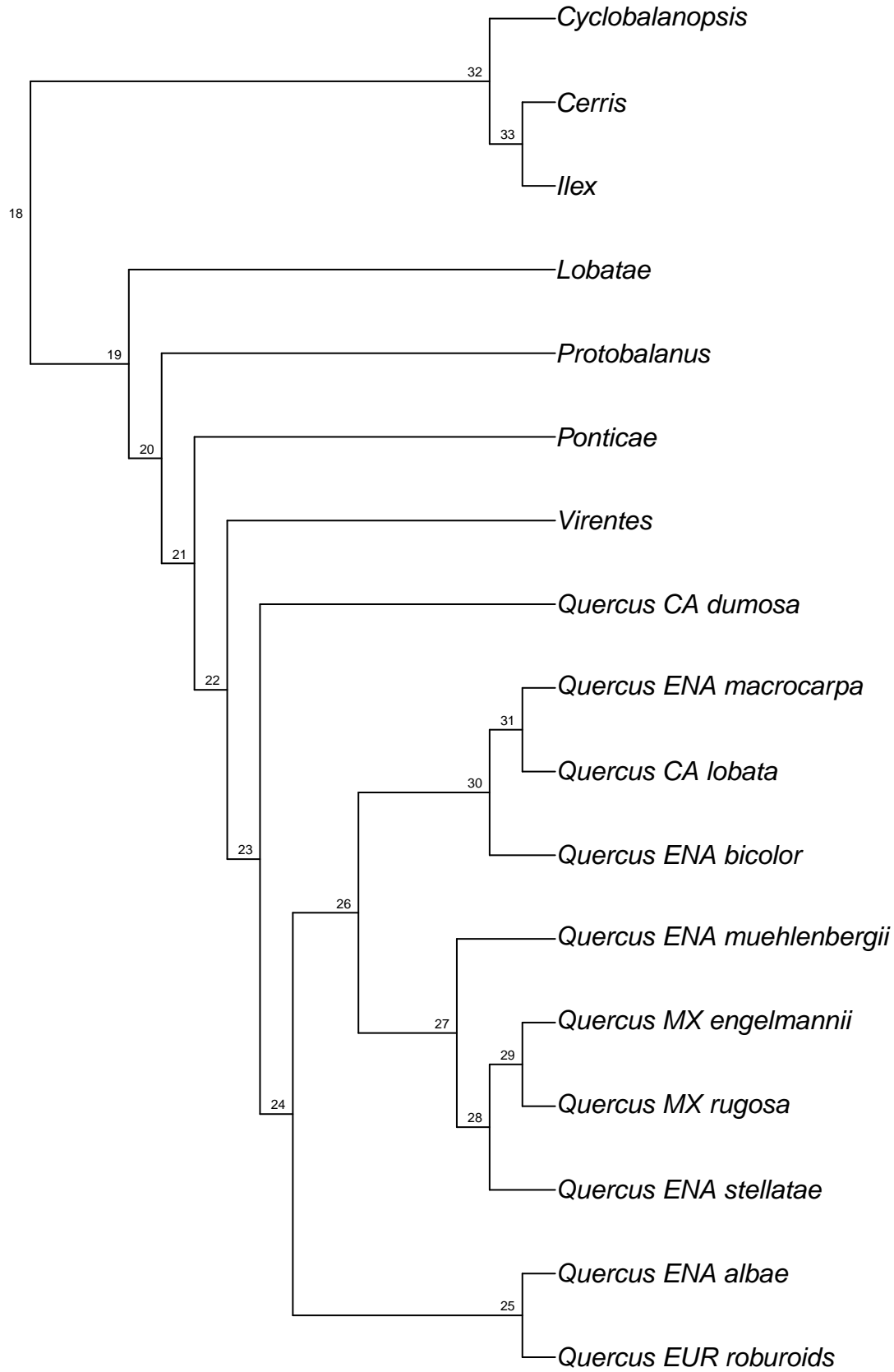
simRAD.simRAD\_Qvar\_raxml.bt024



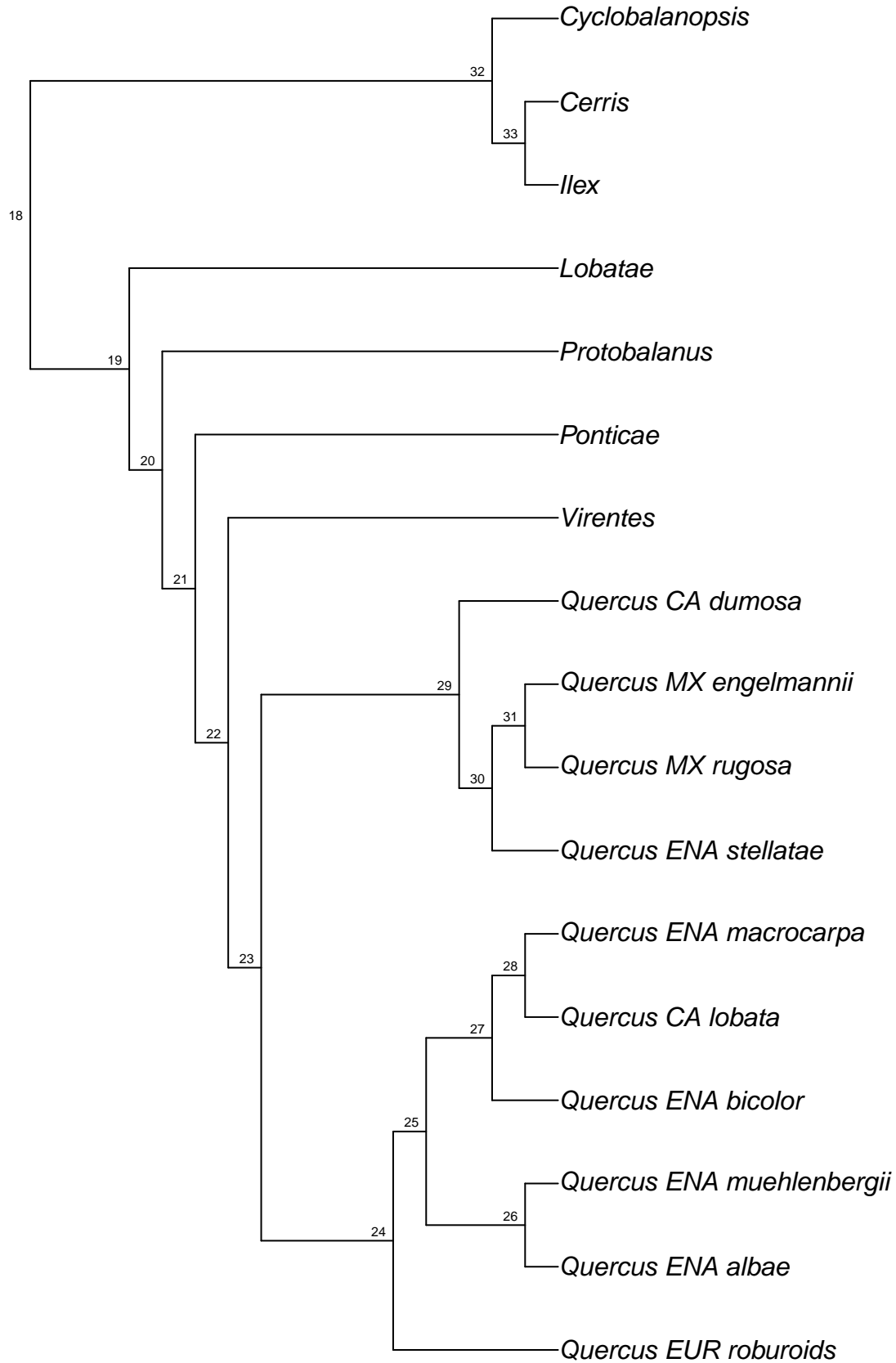
simRAD.simRAD\_Qvar\_raxml.bt025



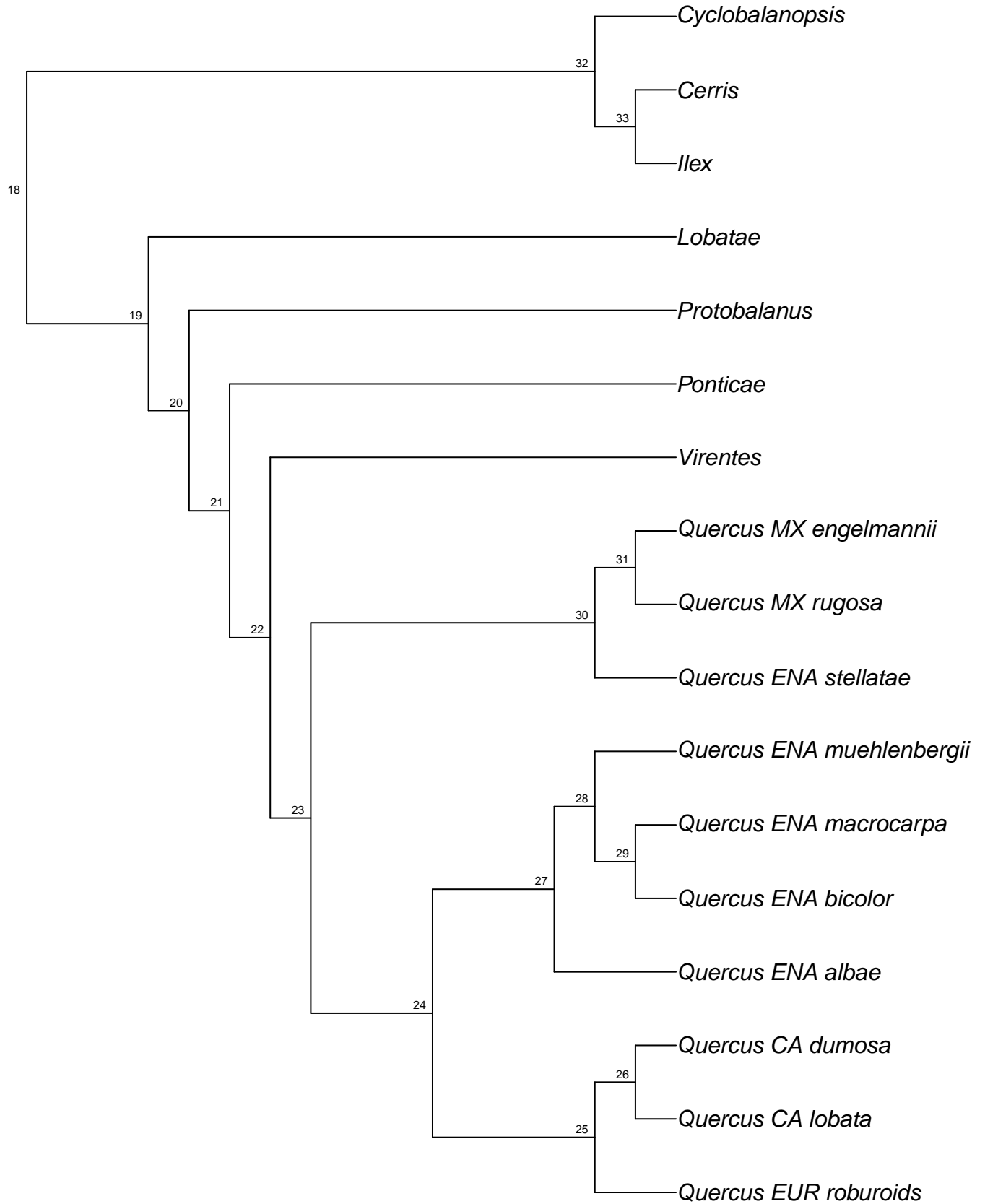
simRAD.simRAD\_Qvar\_raxml.bt026



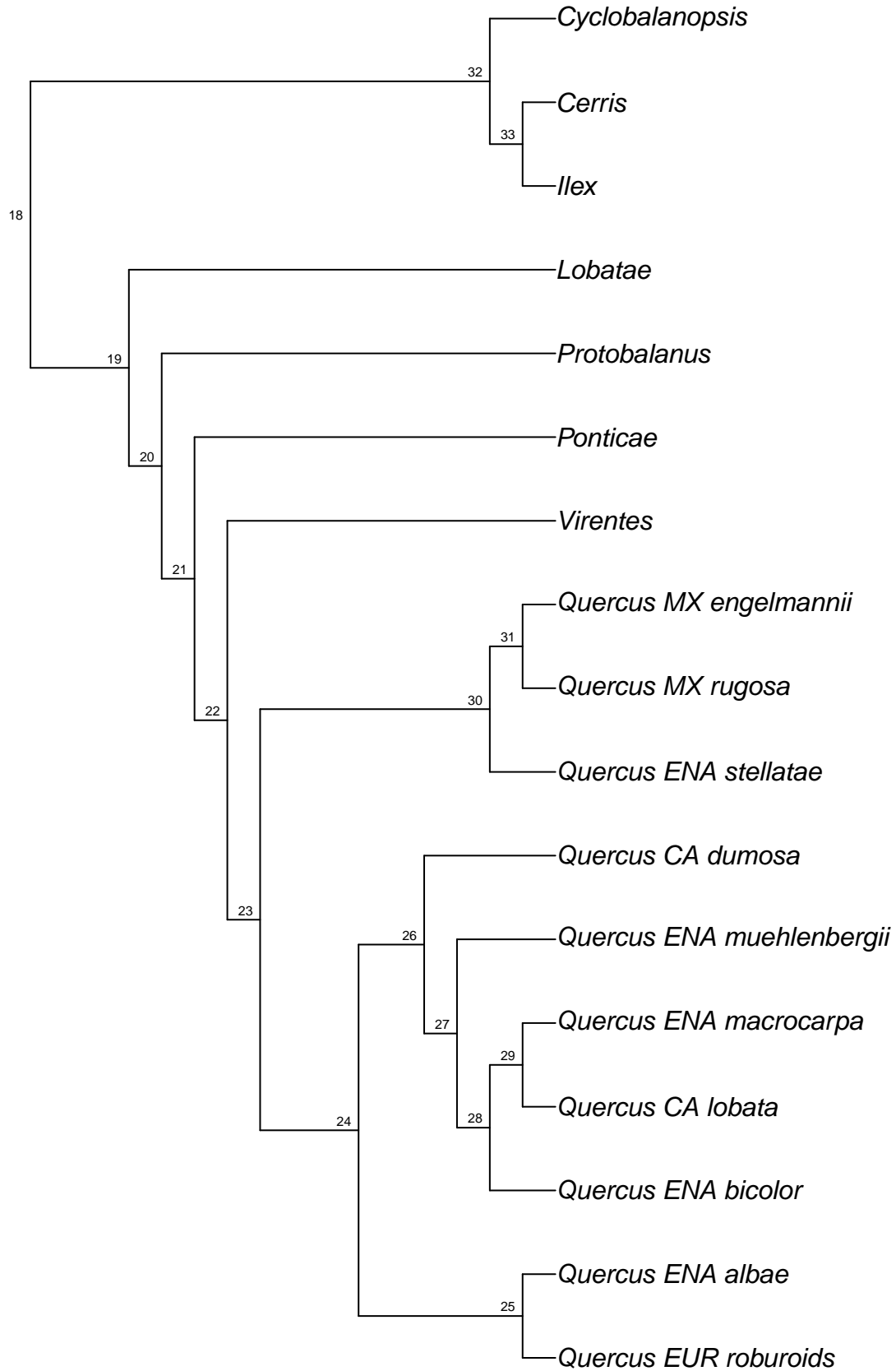
simRAD.simRAD\_Qvar\_raxml.bt027



**simRAD.simRAD\_Qvar\_raxml.bt028**

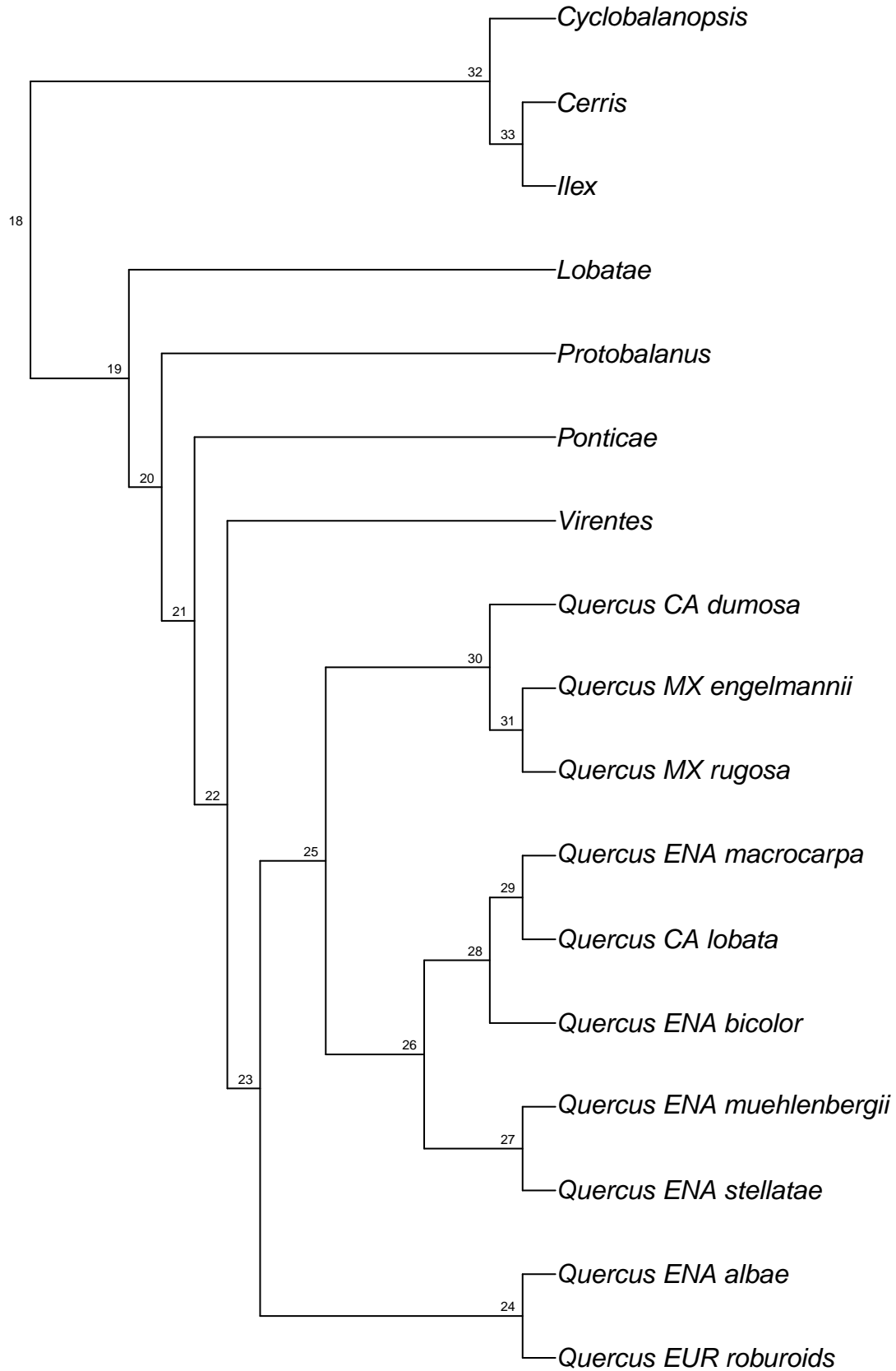


simRAD.simRAD\_Qvar\_raxml.bt029

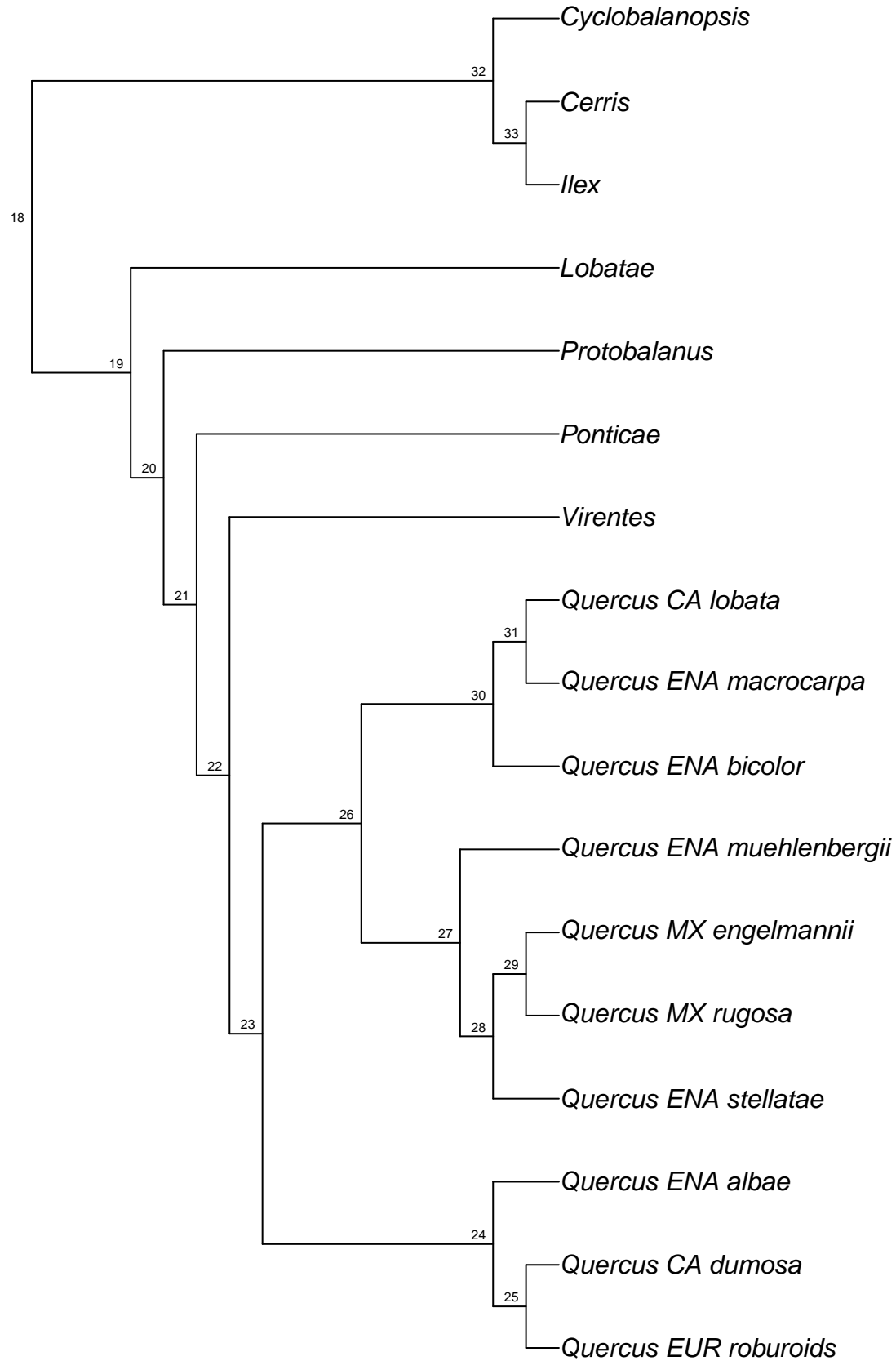




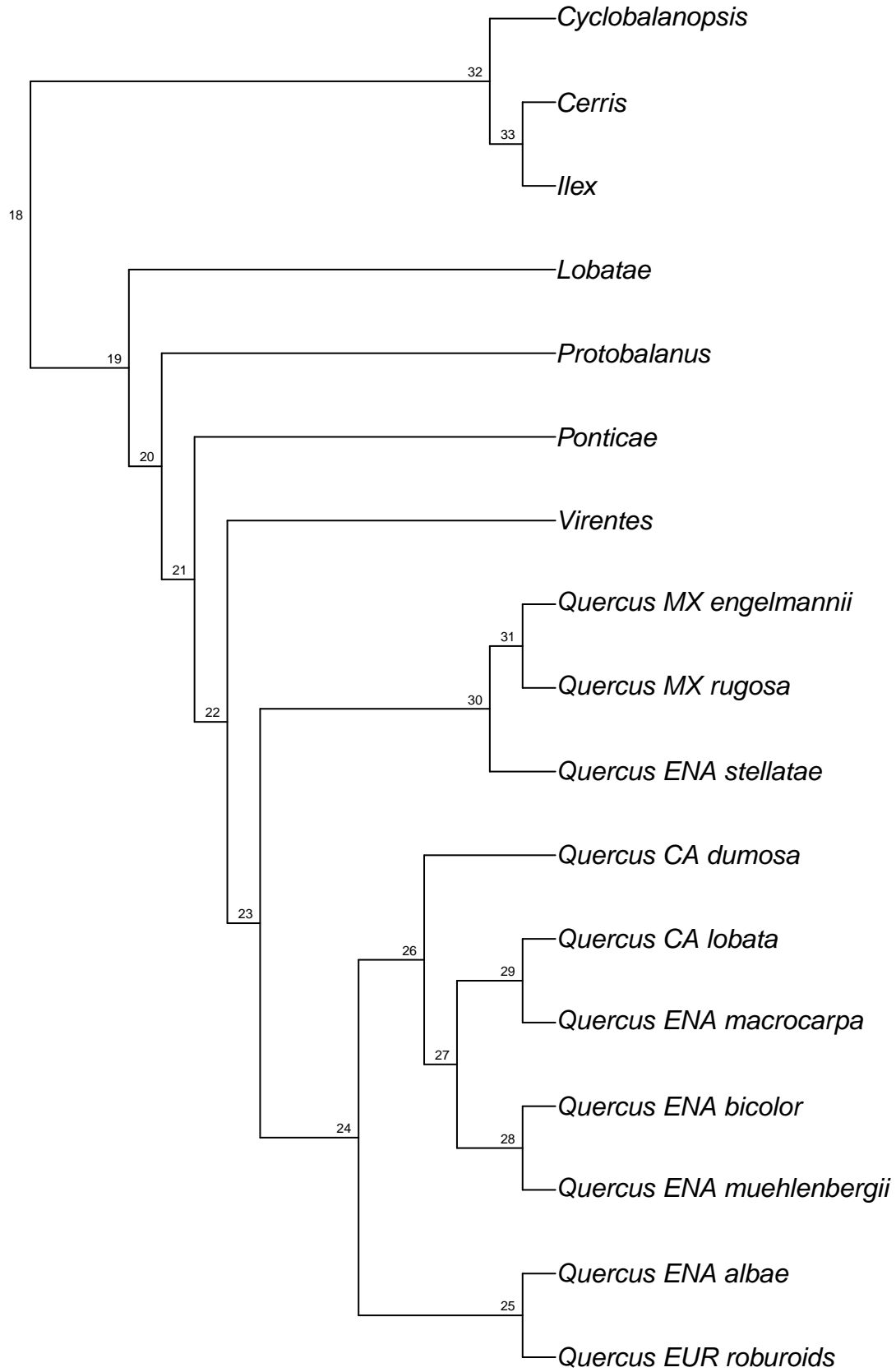
simRAD.simRAD\_Qvar\_raxml.bt030



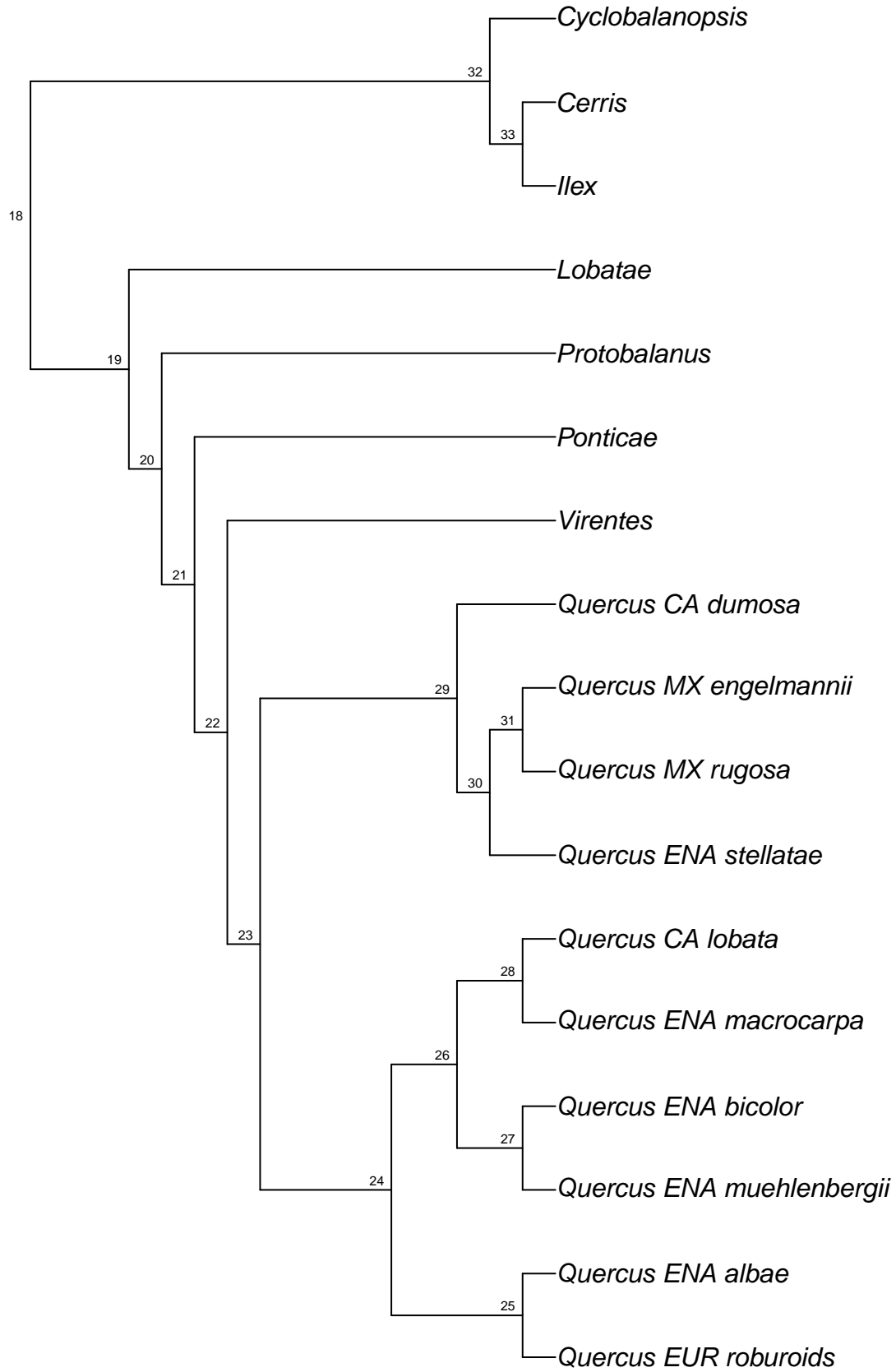
simRAD.simRAD\_Qvar\_raxml.bt031



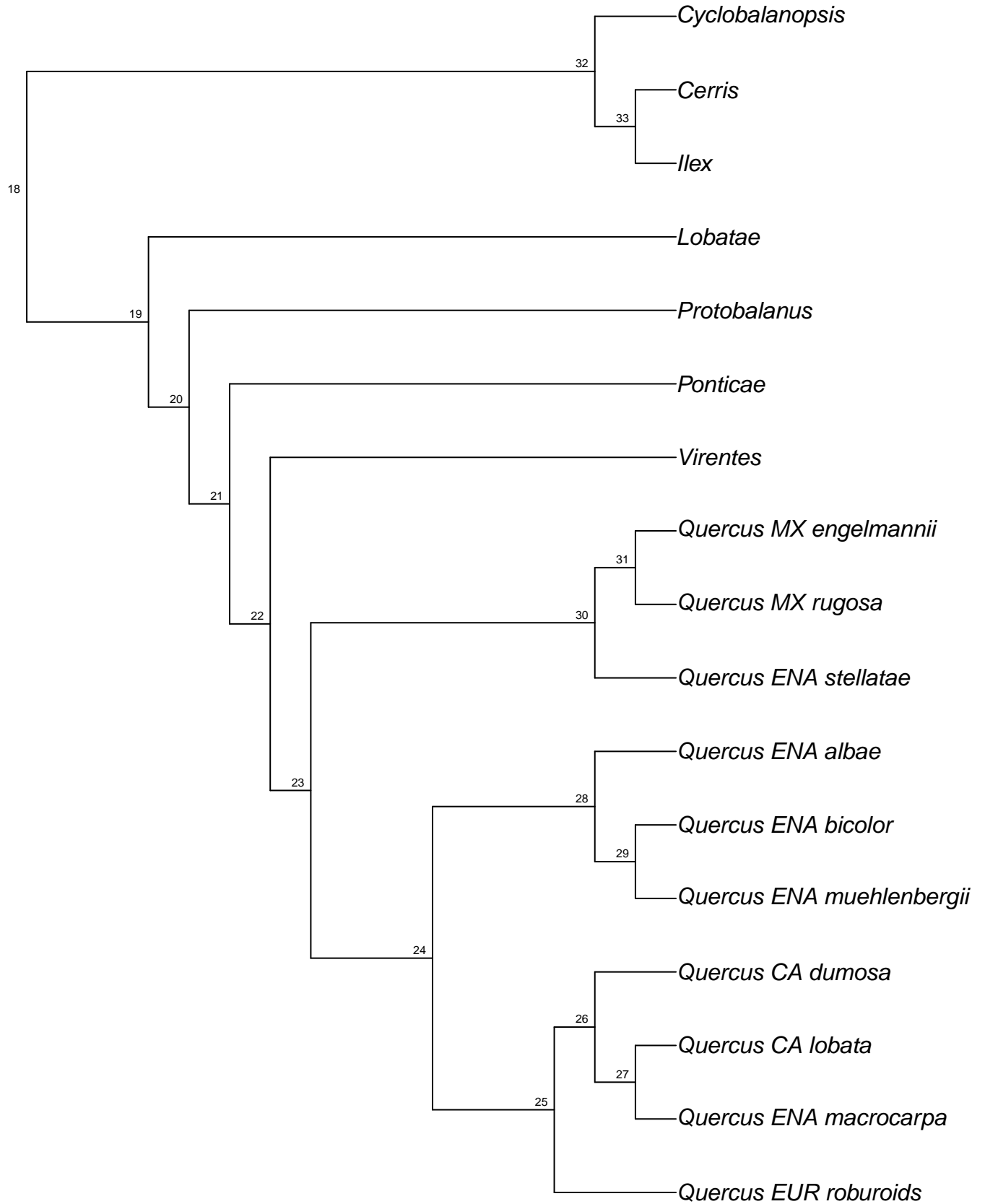
simRAD.simRAD\_Qvar\_raxml.bt032



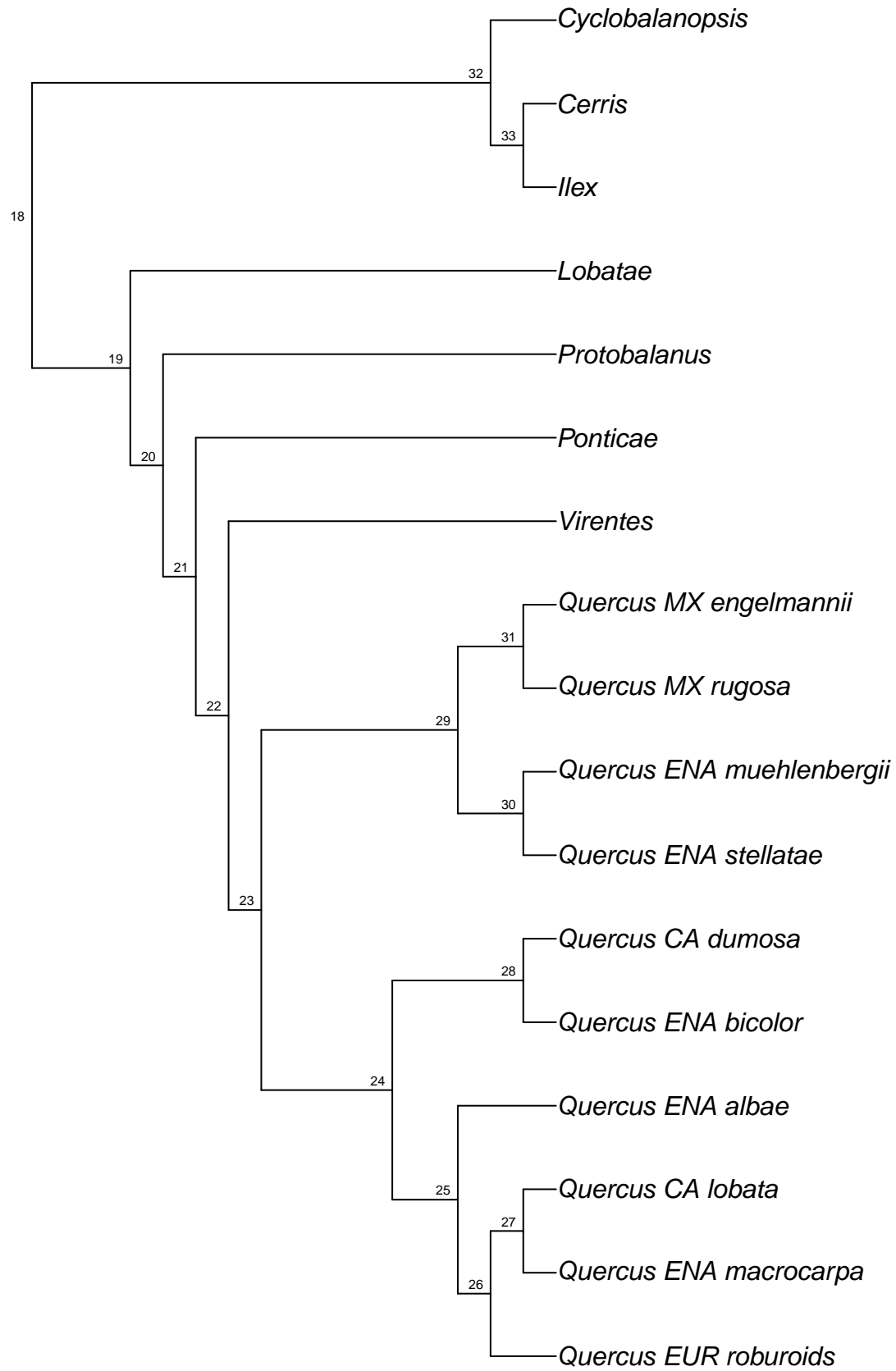
simRAD.simRAD\_Qvar\_raxml.bt033



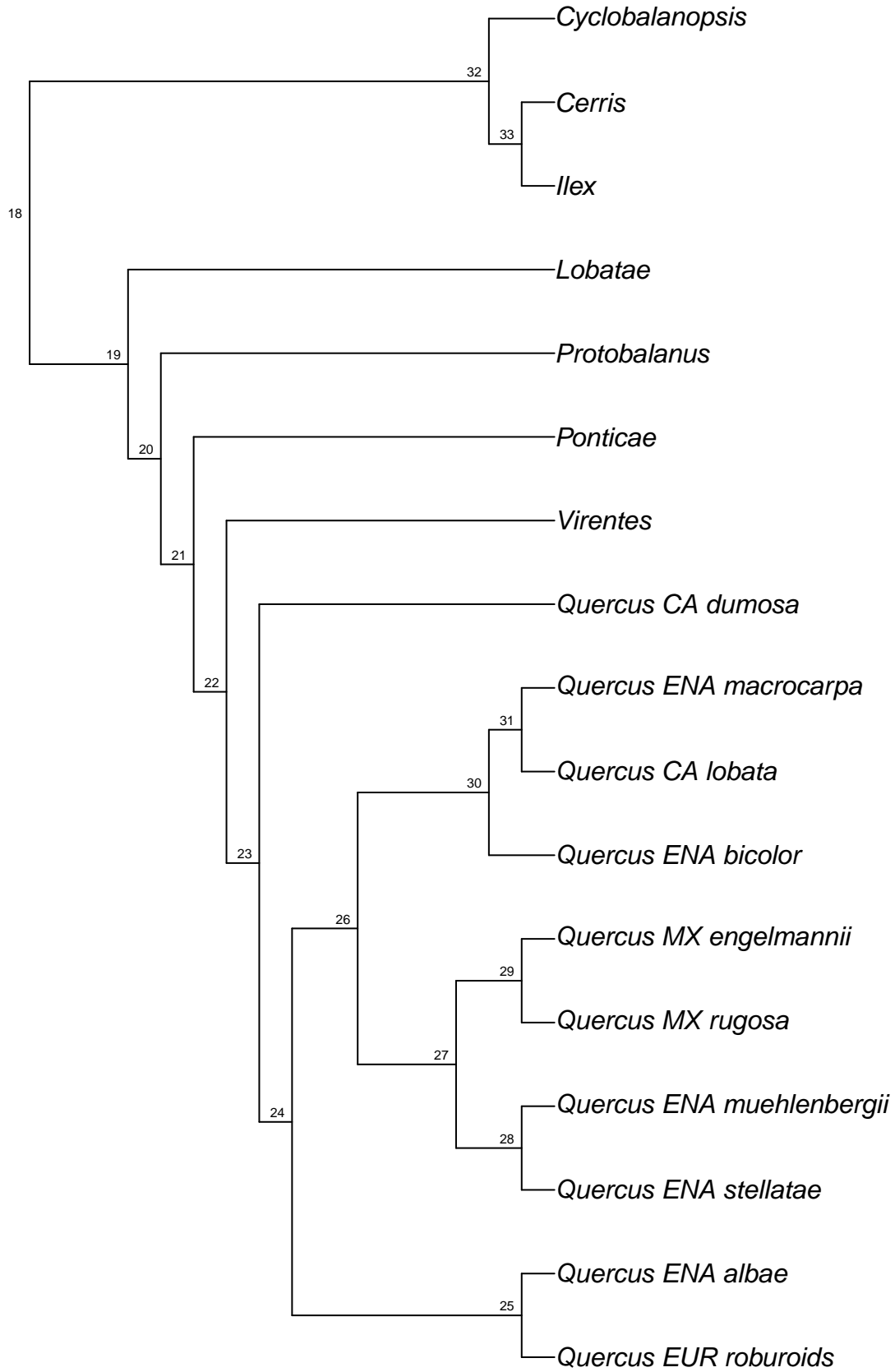
simRAD.simRAD\_Qvar\_raxml.bt034



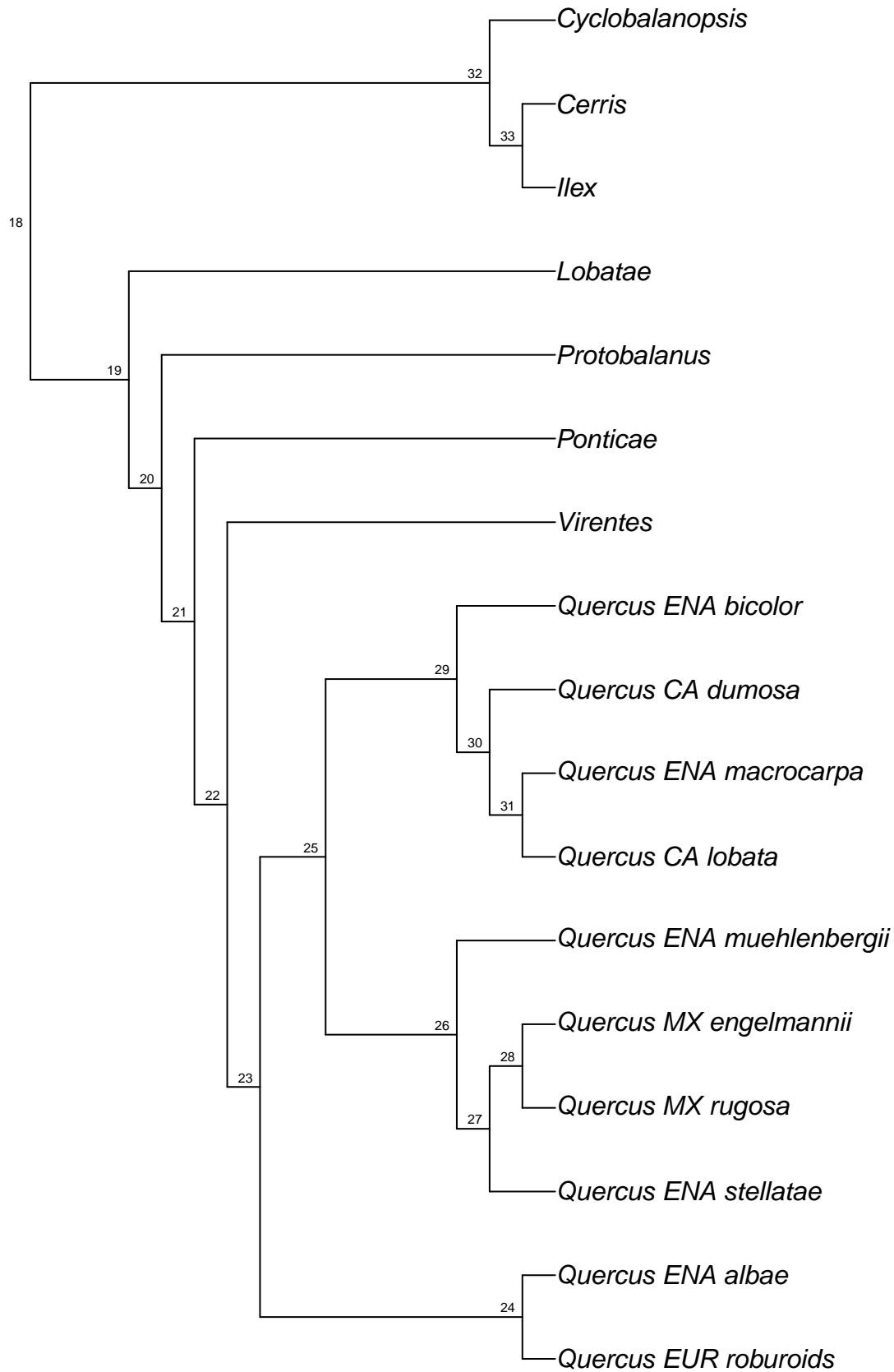
simRAD.simRAD\_Qvar\_raxml.bt035



simRAD.simRAD\_Qvar\_raxml.bt036

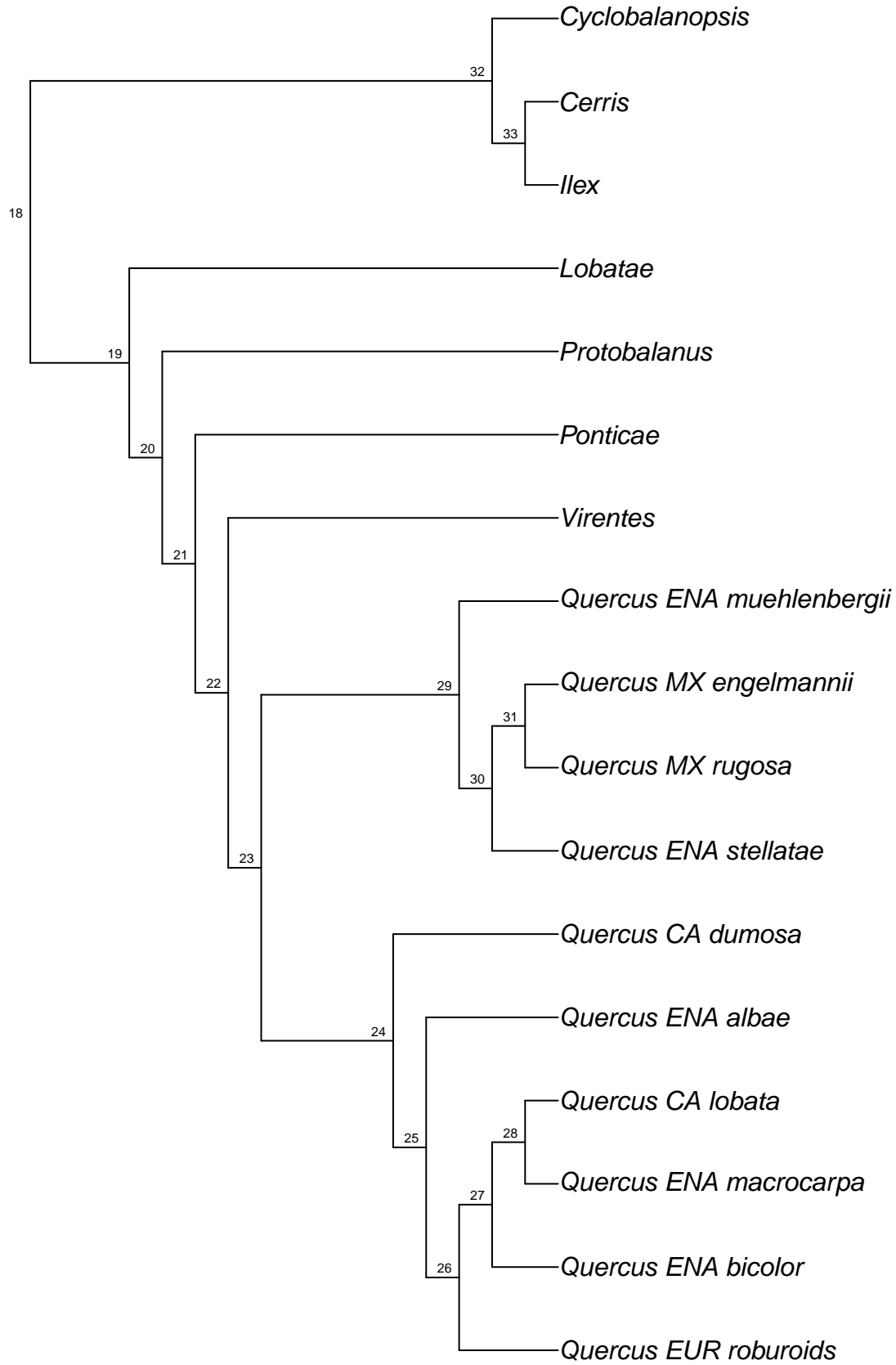


simRAD.simRAD\_Qvar\_raxml.bt037

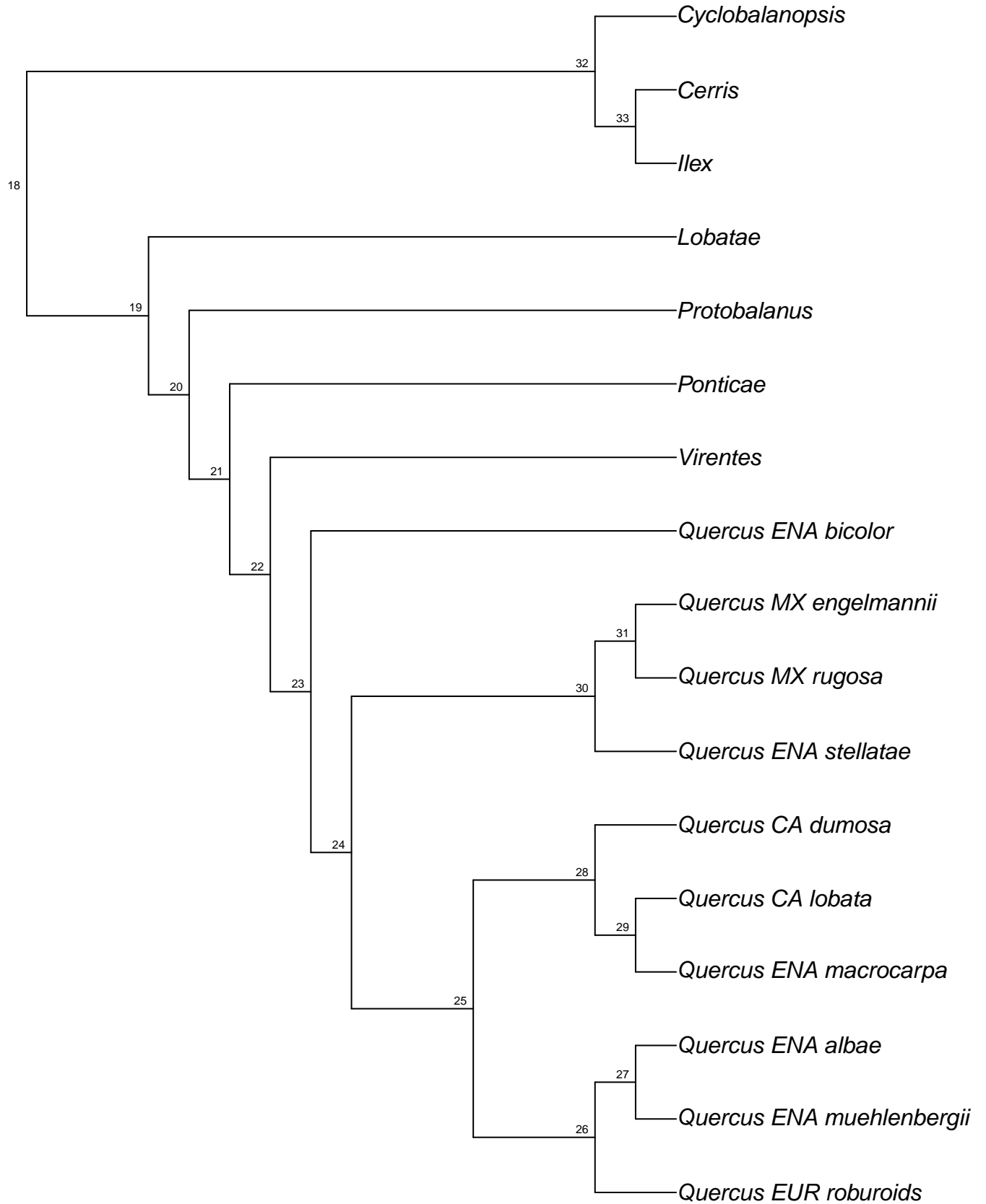




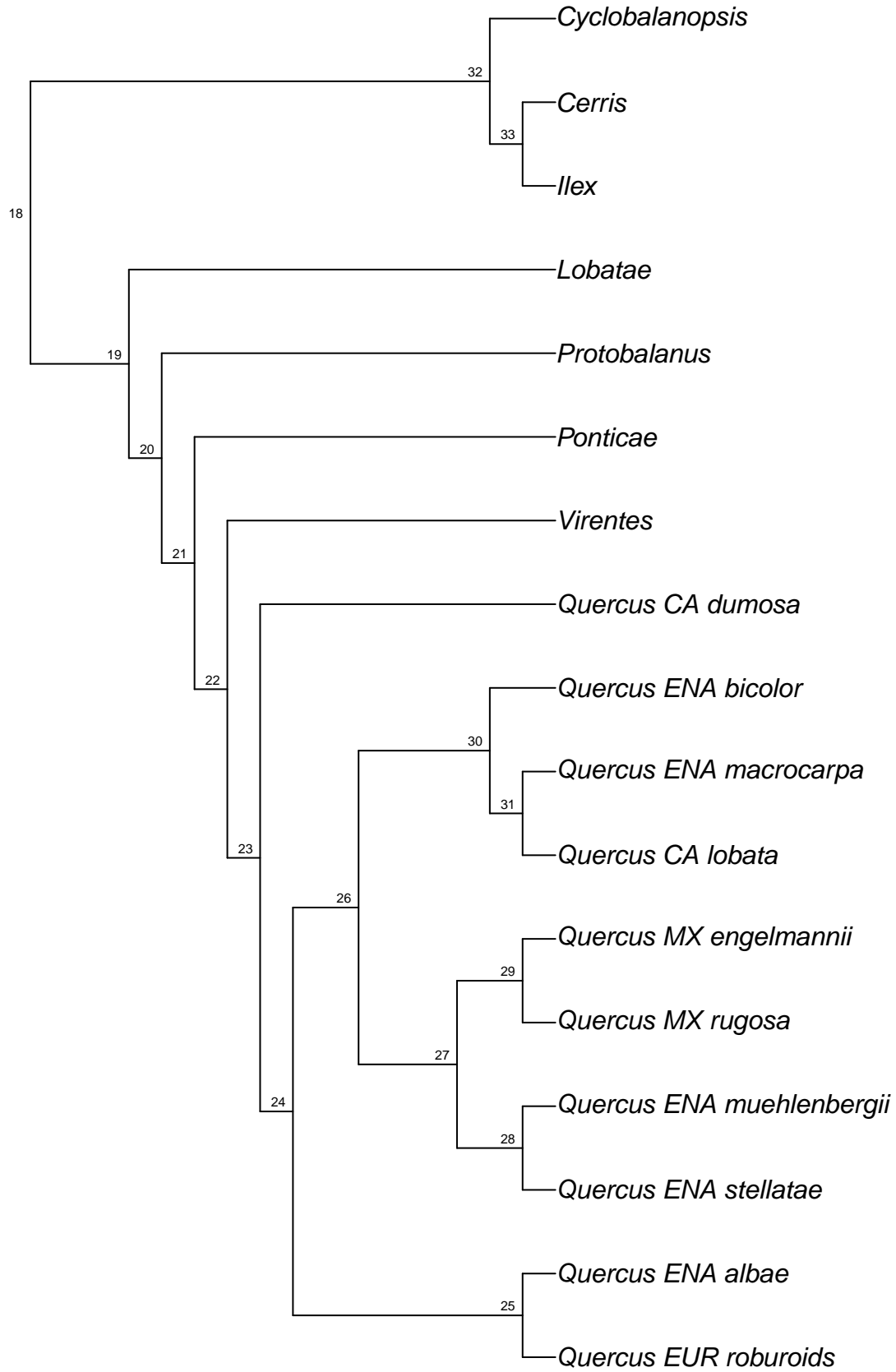
simRAD.simRAD\_Qvar\_raxml.bt038



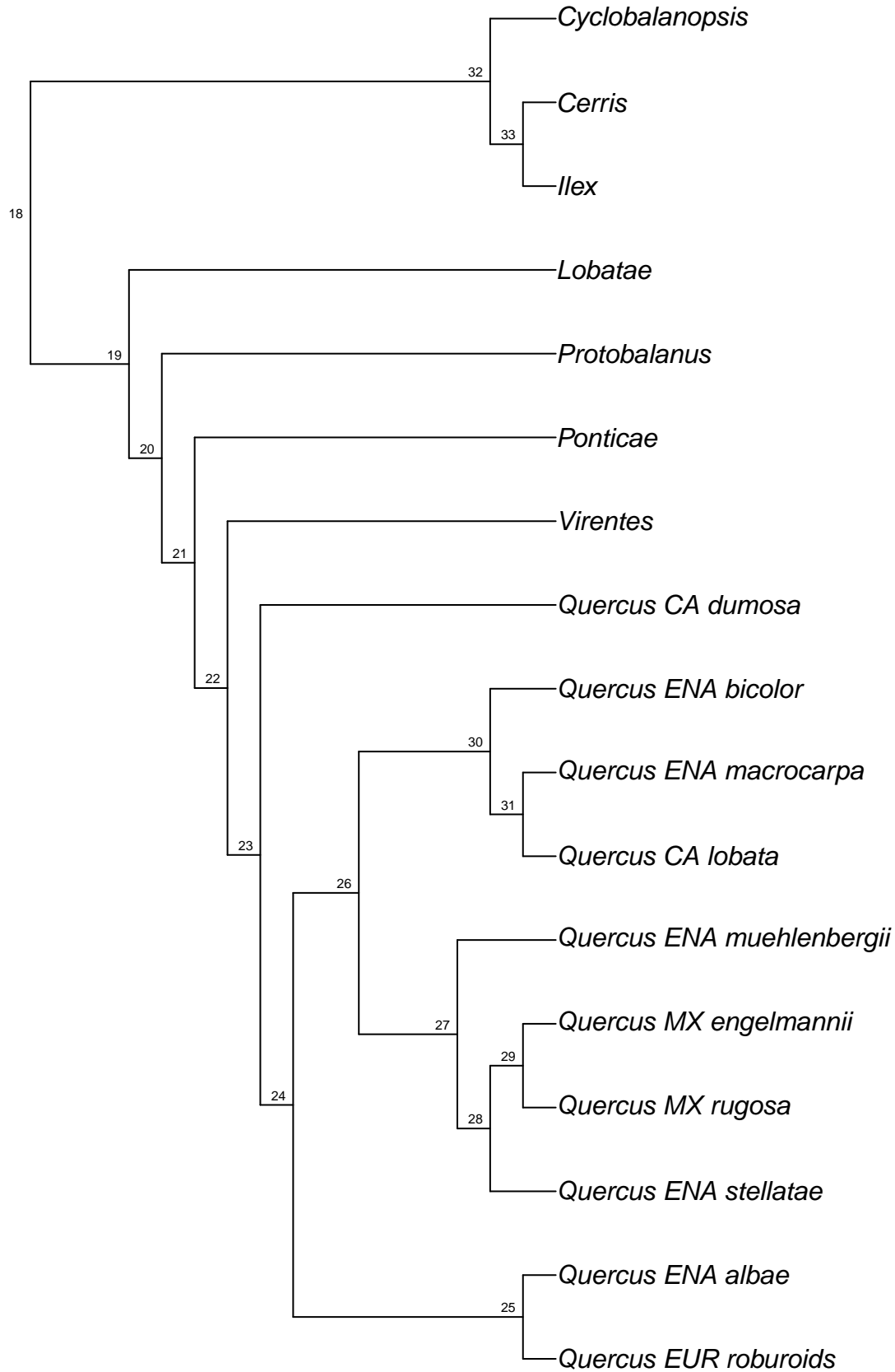
simRAD.simRAD\_Qvar\_raxml.bt039



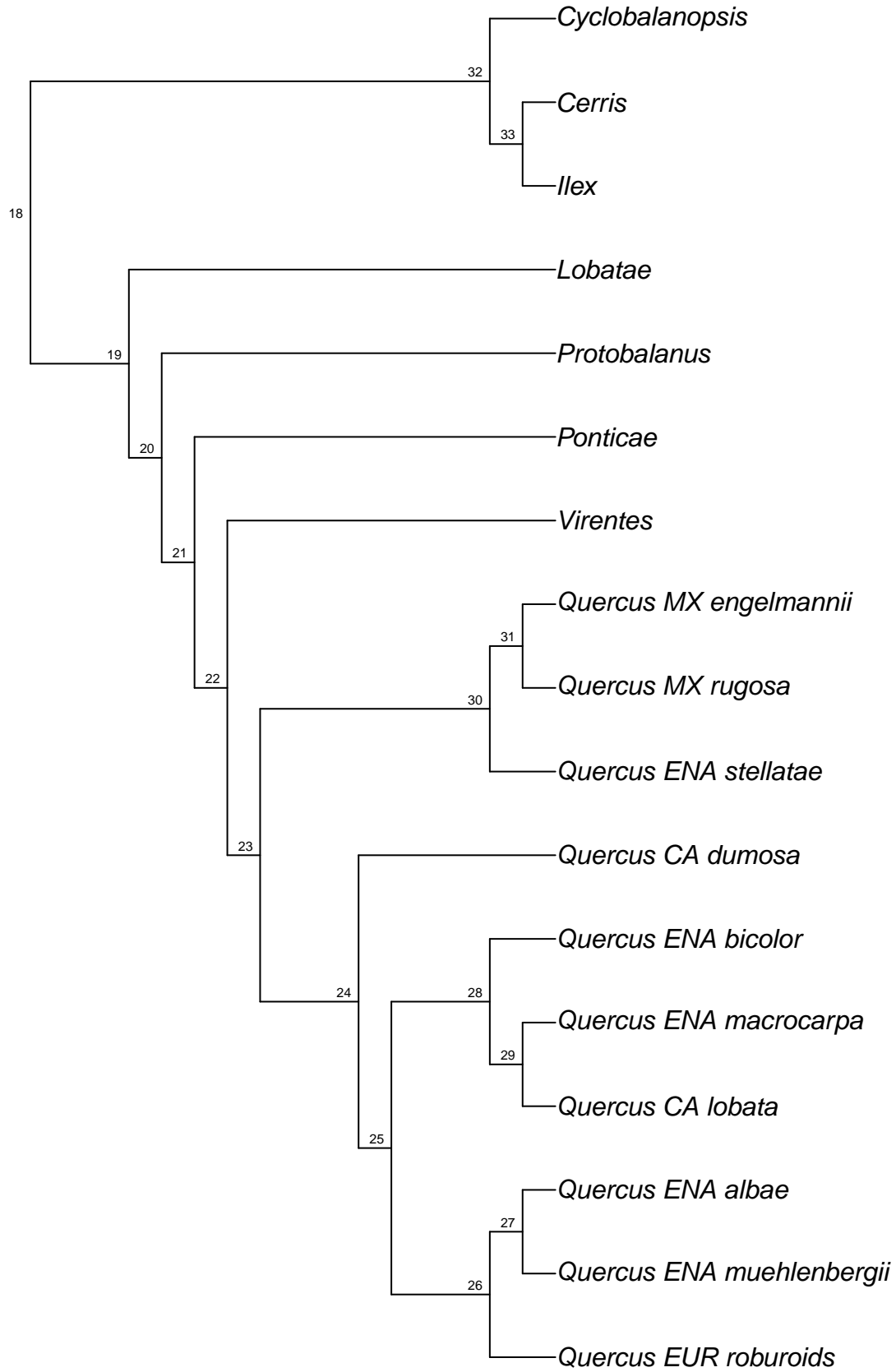
simRAD.simRAD\_Qvar\_raxml.bt040



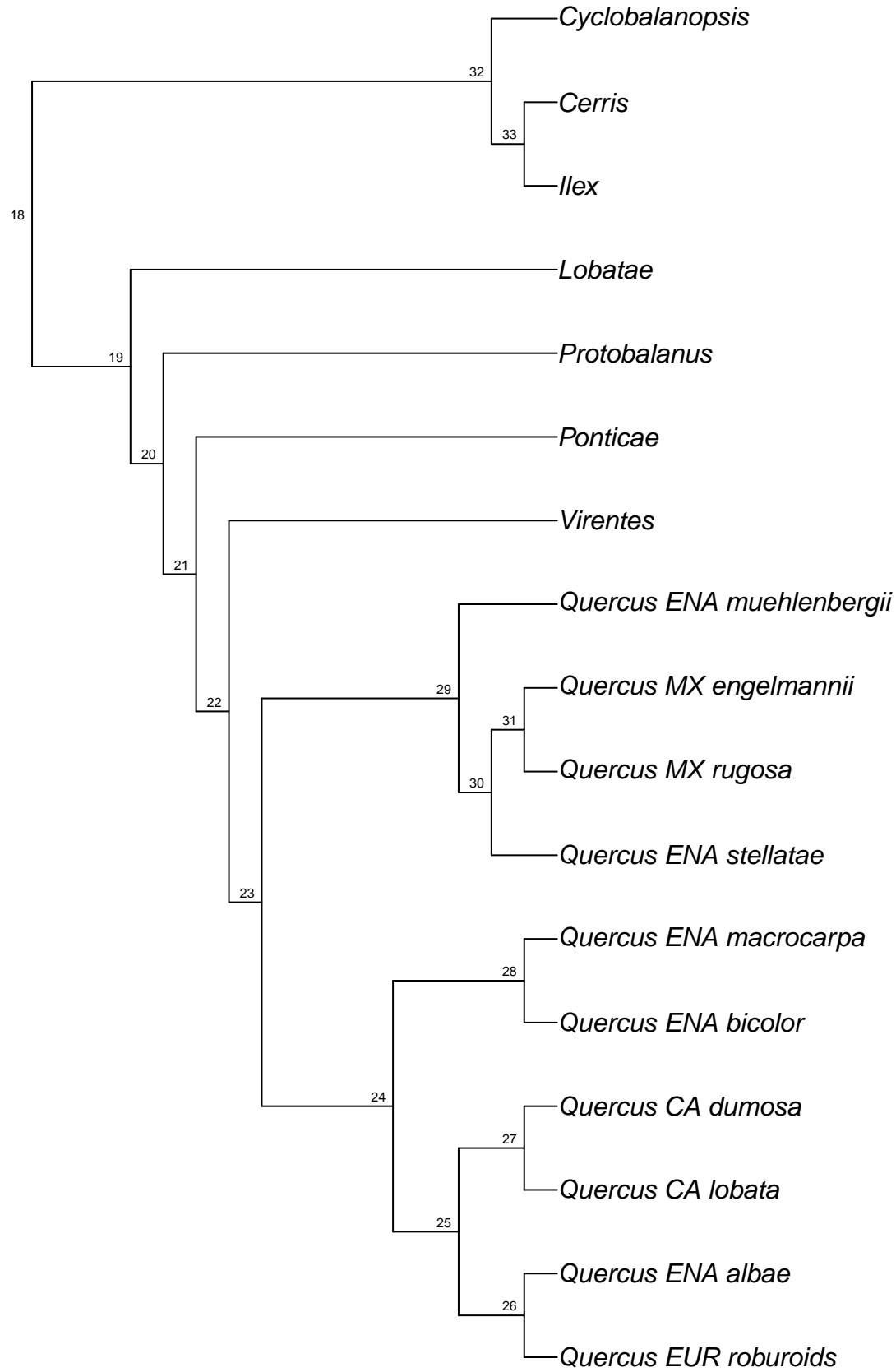
simRAD.simRAD\_Qvar\_raxml.bt041



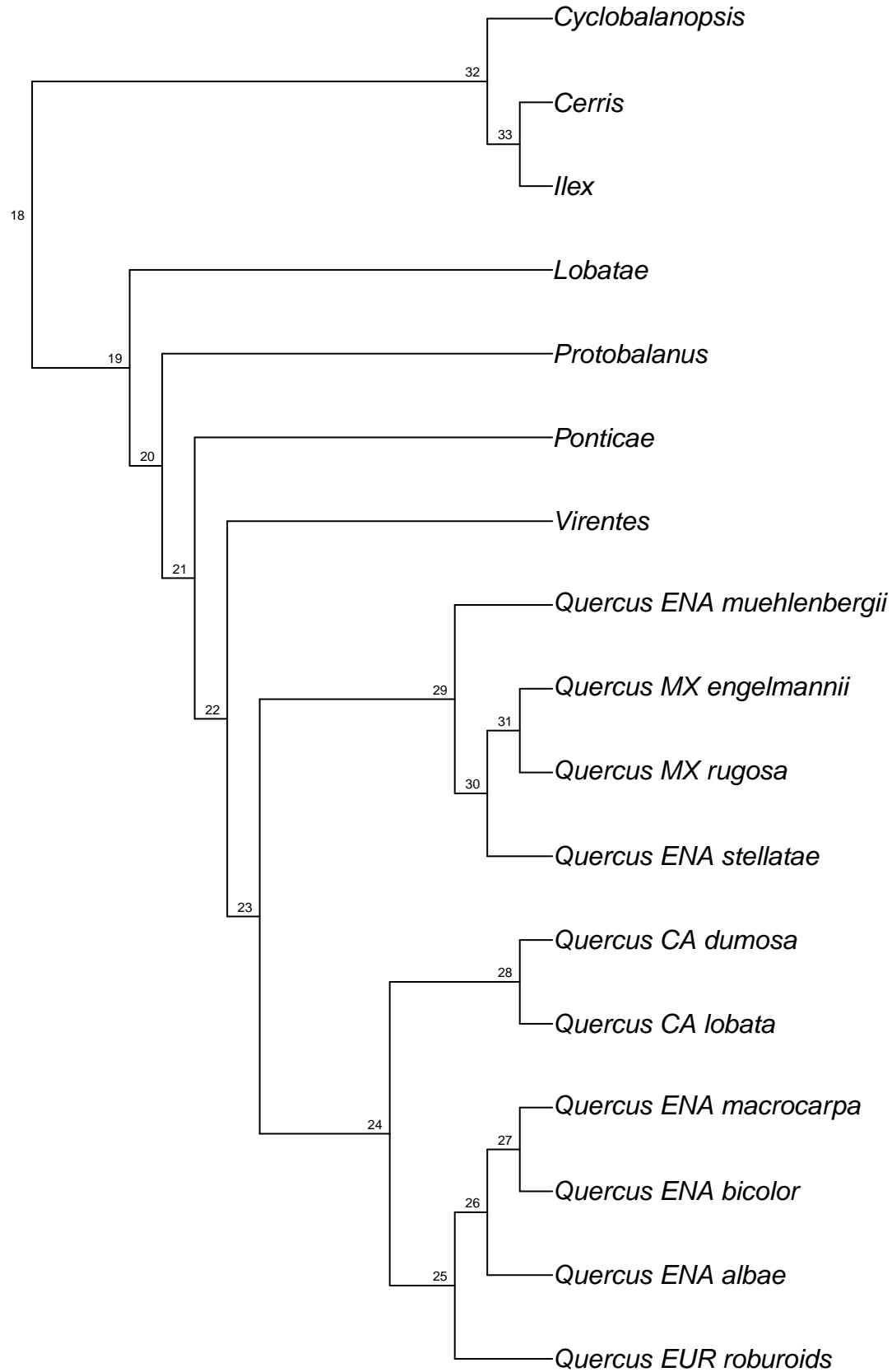
simRAD.simRAD\_Qvar\_raxml.bt042



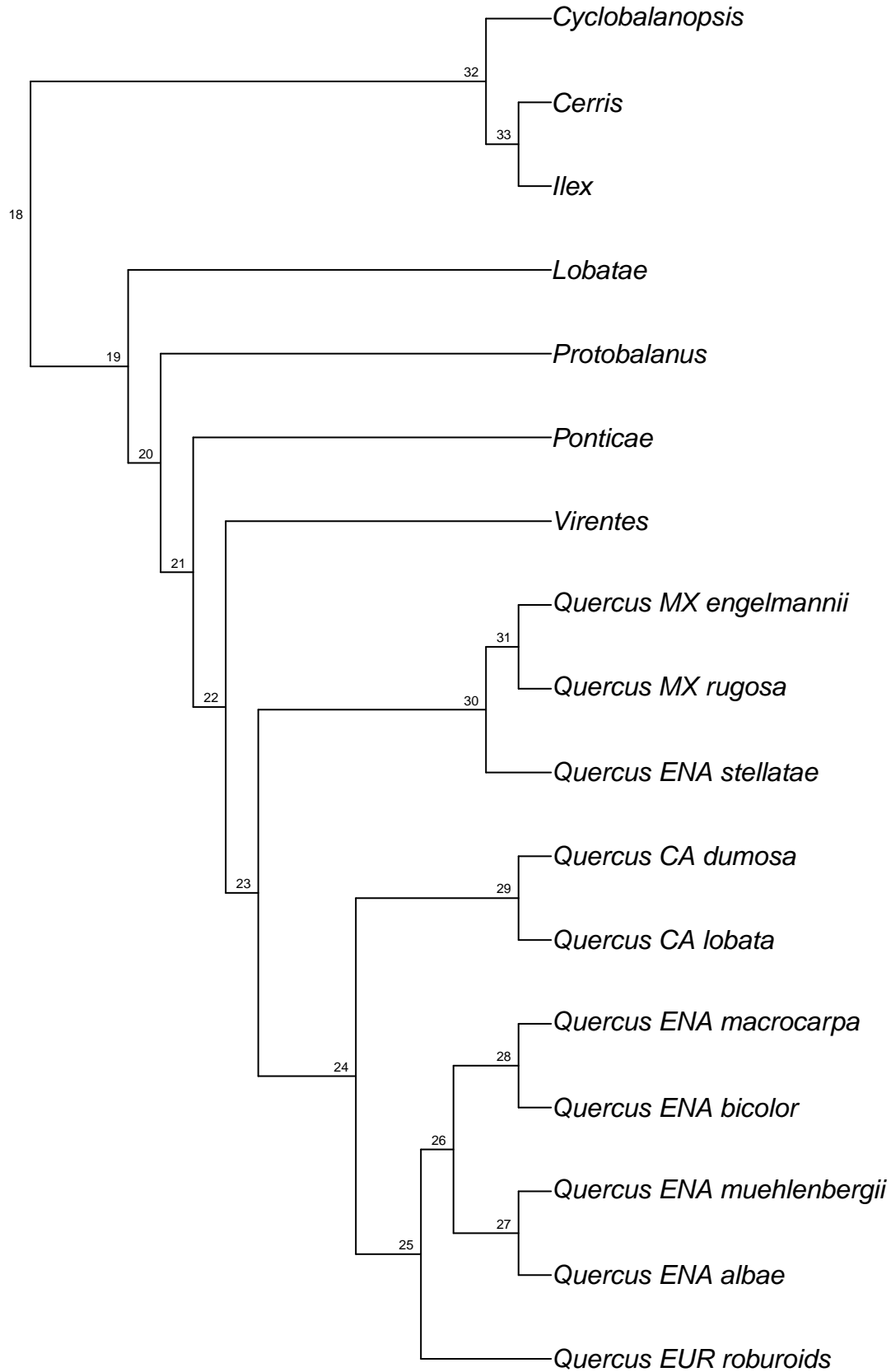
simRAD.simRAD\_Qvar\_raxml.bt043



simRAD.simRAD\_Qvar\_raxml.bt044

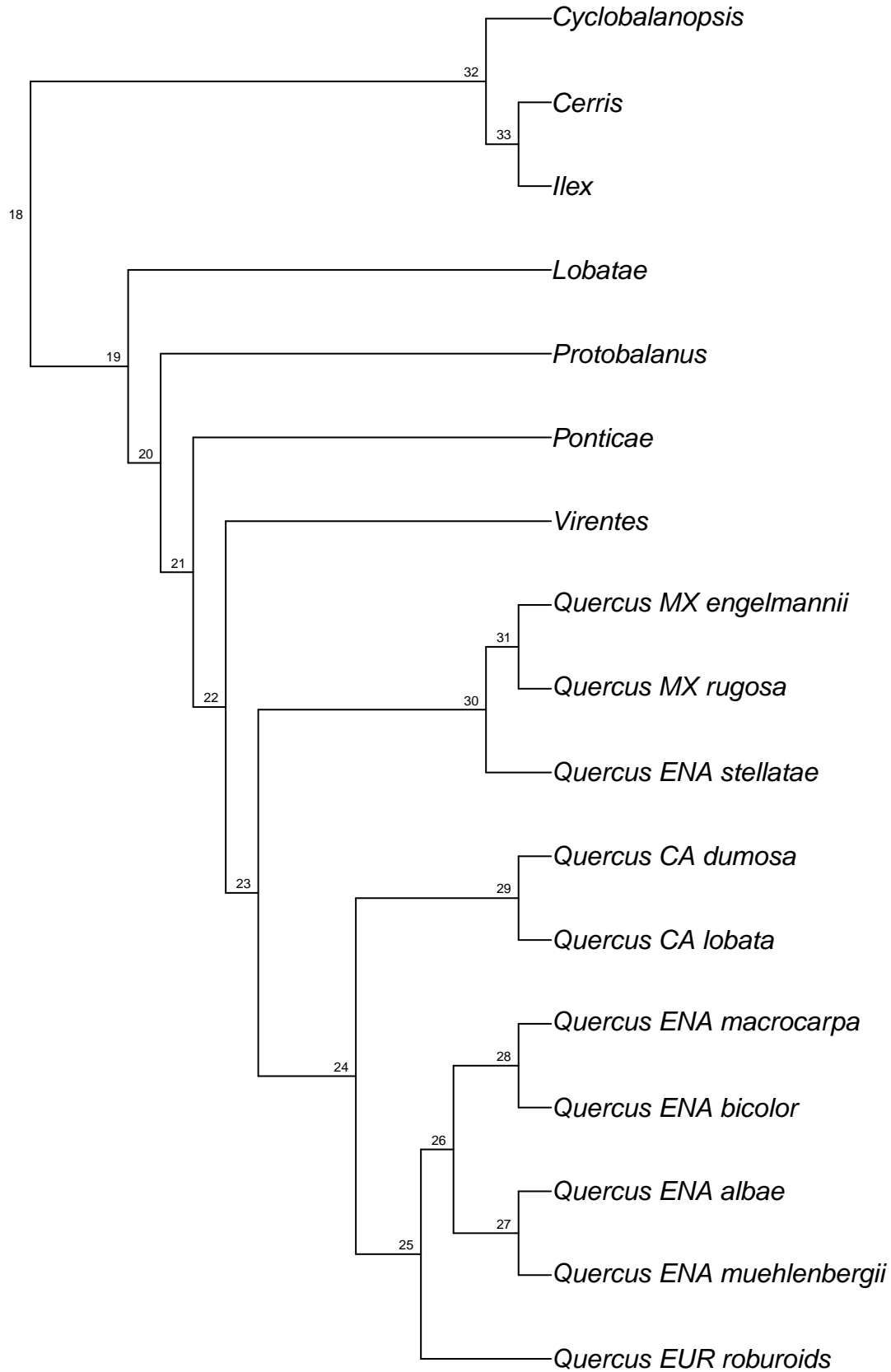


simRAD.simRAD\_Qvar\_raxml.bt045

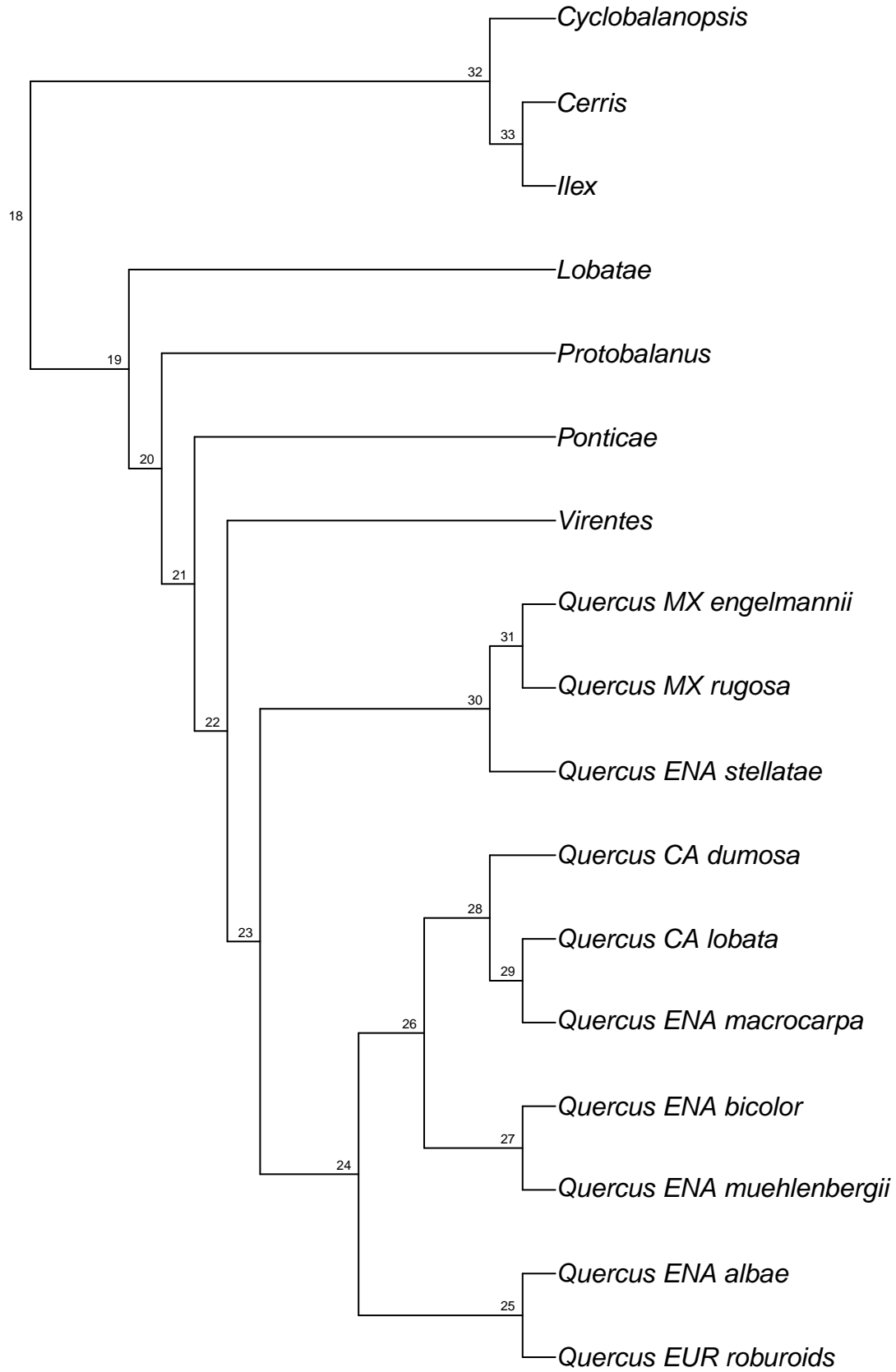




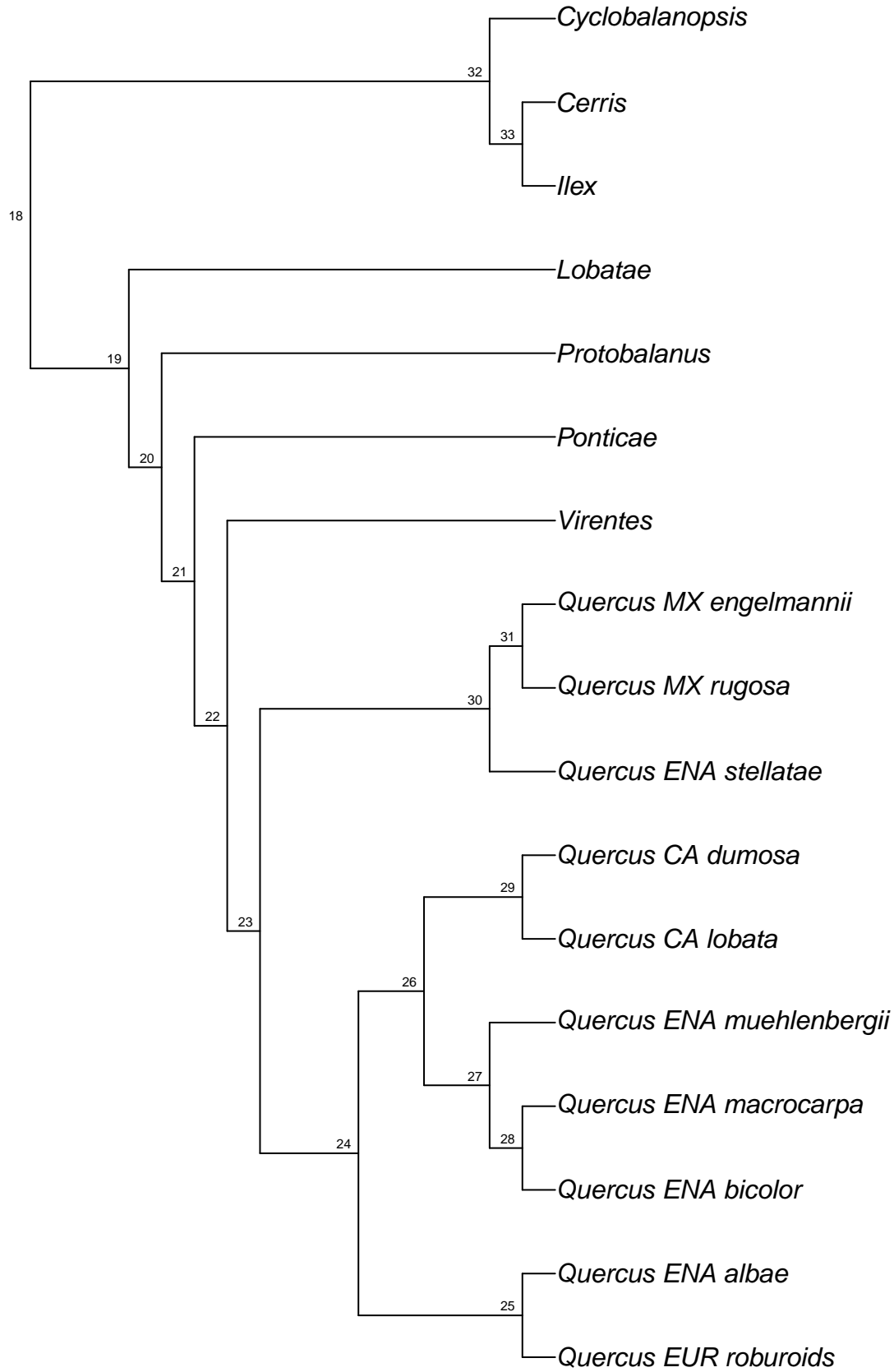
simRAD.simRAD\_Qvar\_raxml.bt046



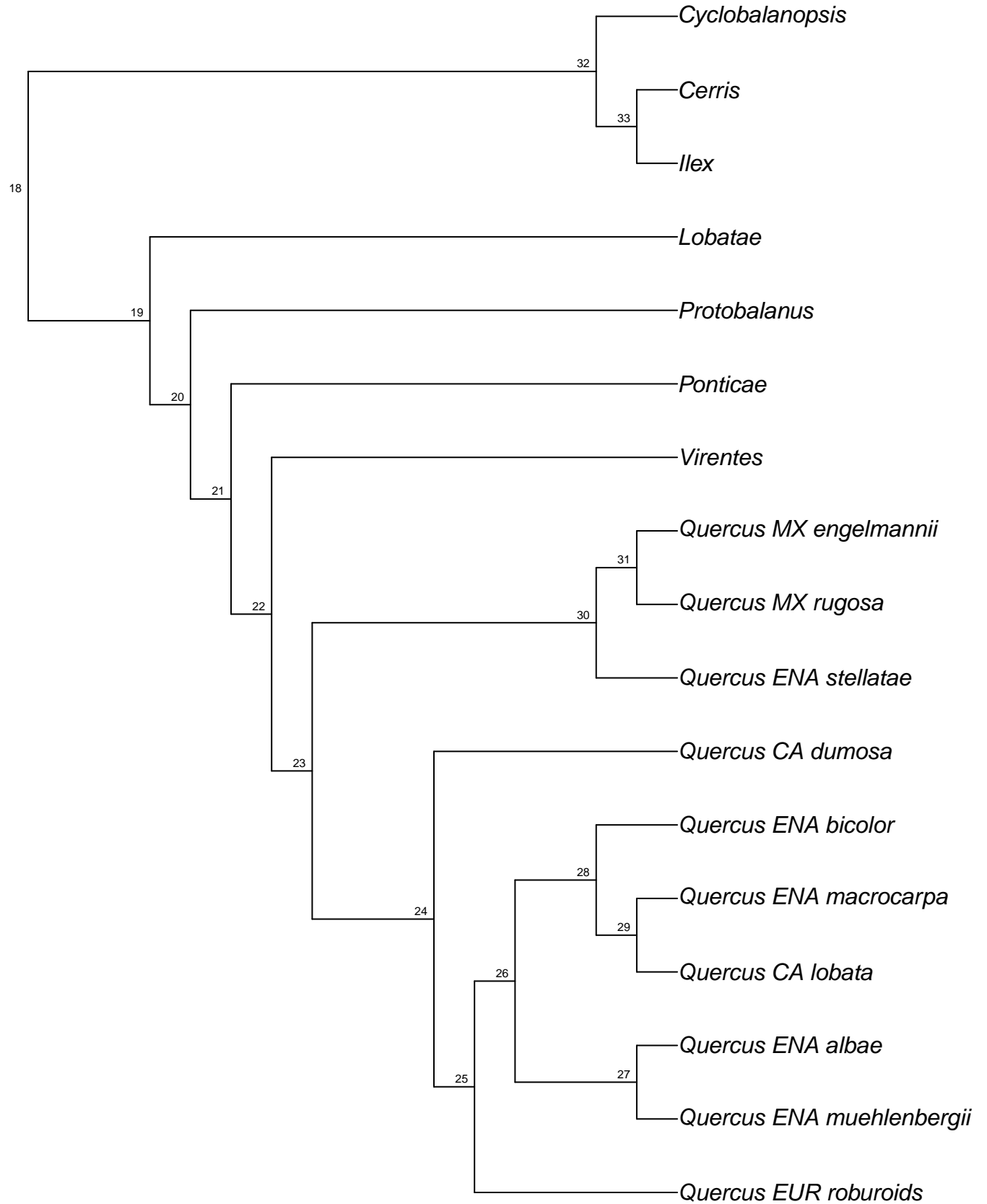
simRAD.simRAD\_Qvar\_raxml.bt047



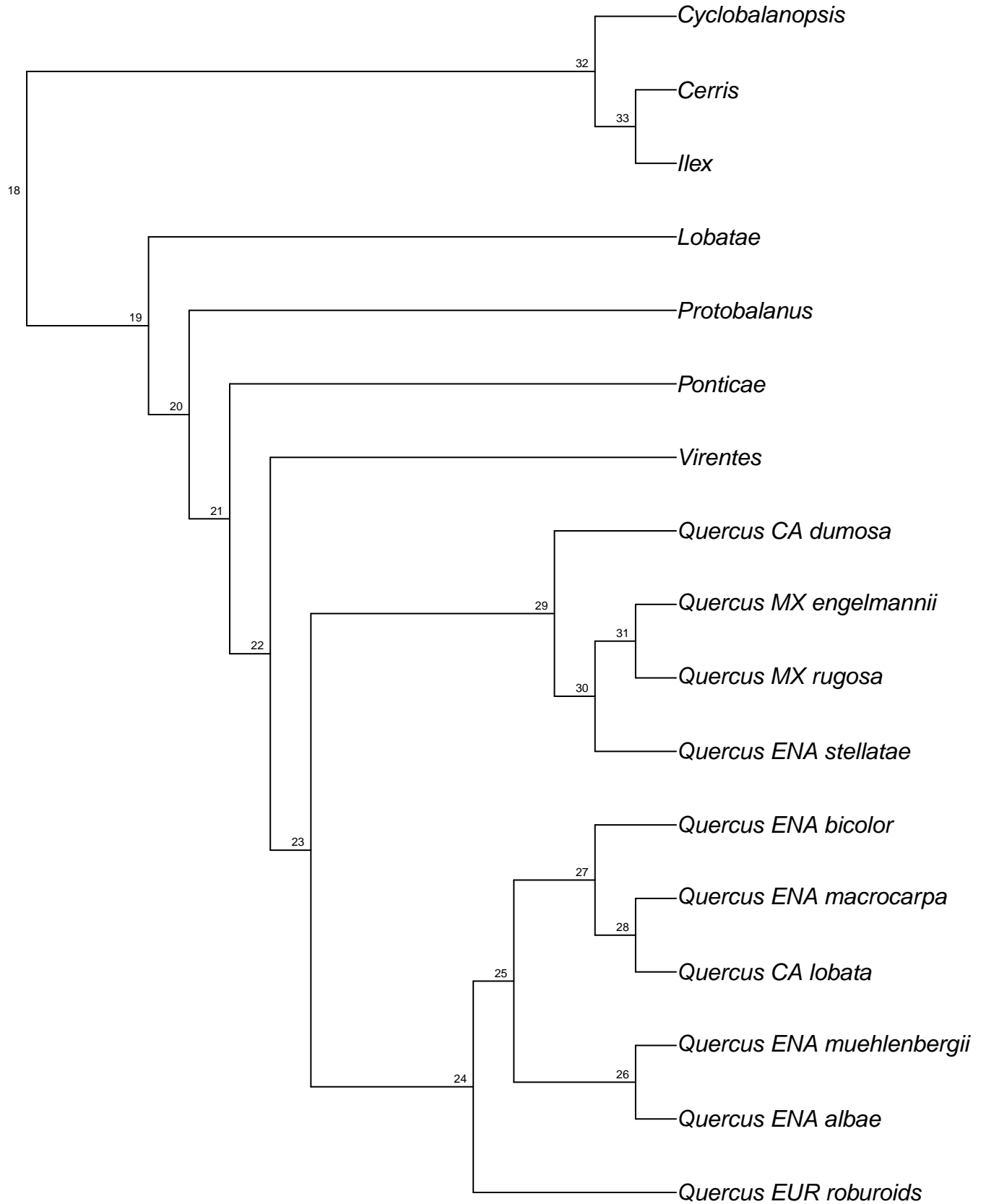
simRAD.simRAD\_Qvar\_raxml.bt048



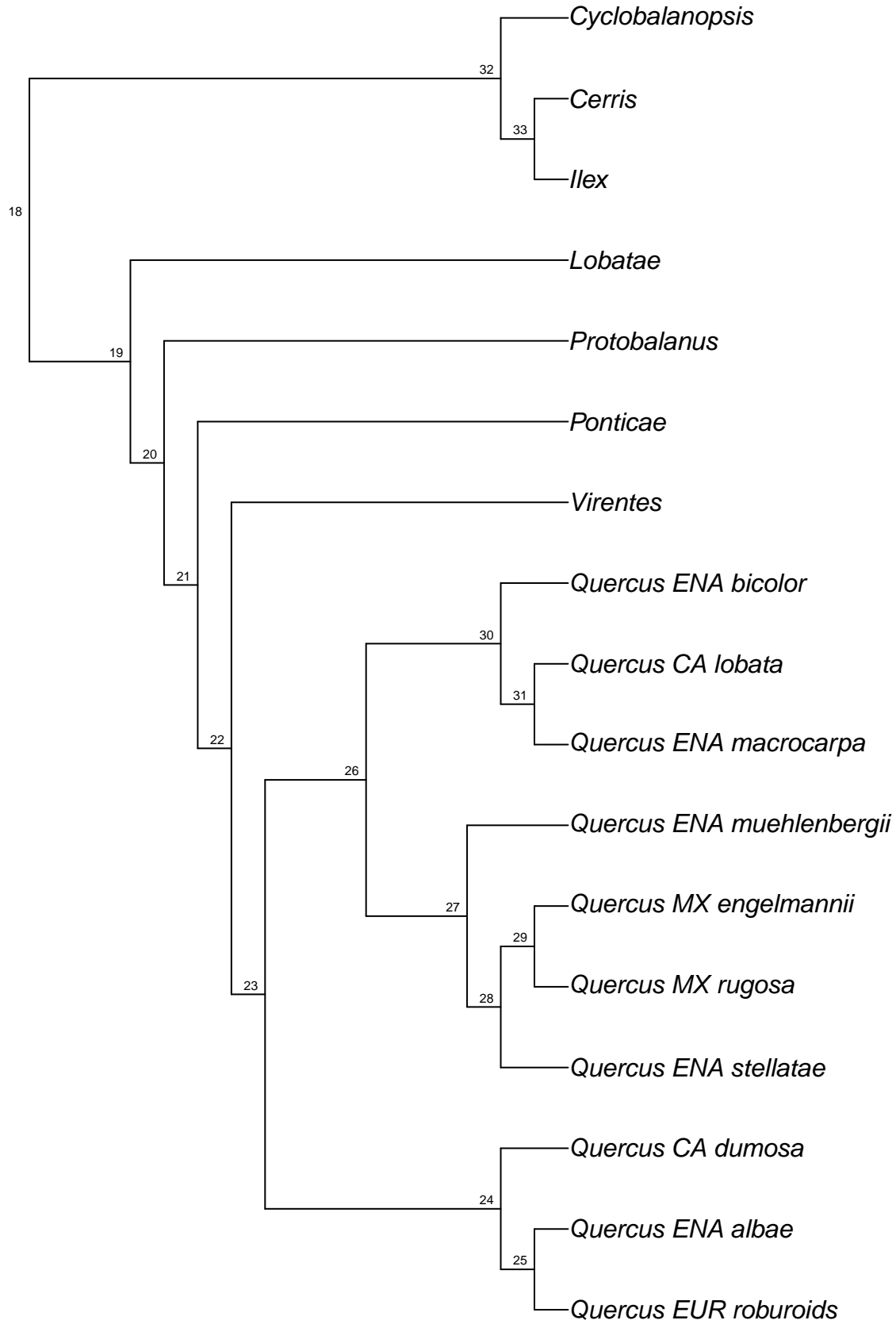
simRAD.simRAD\_Qvar\_raxml.bt049



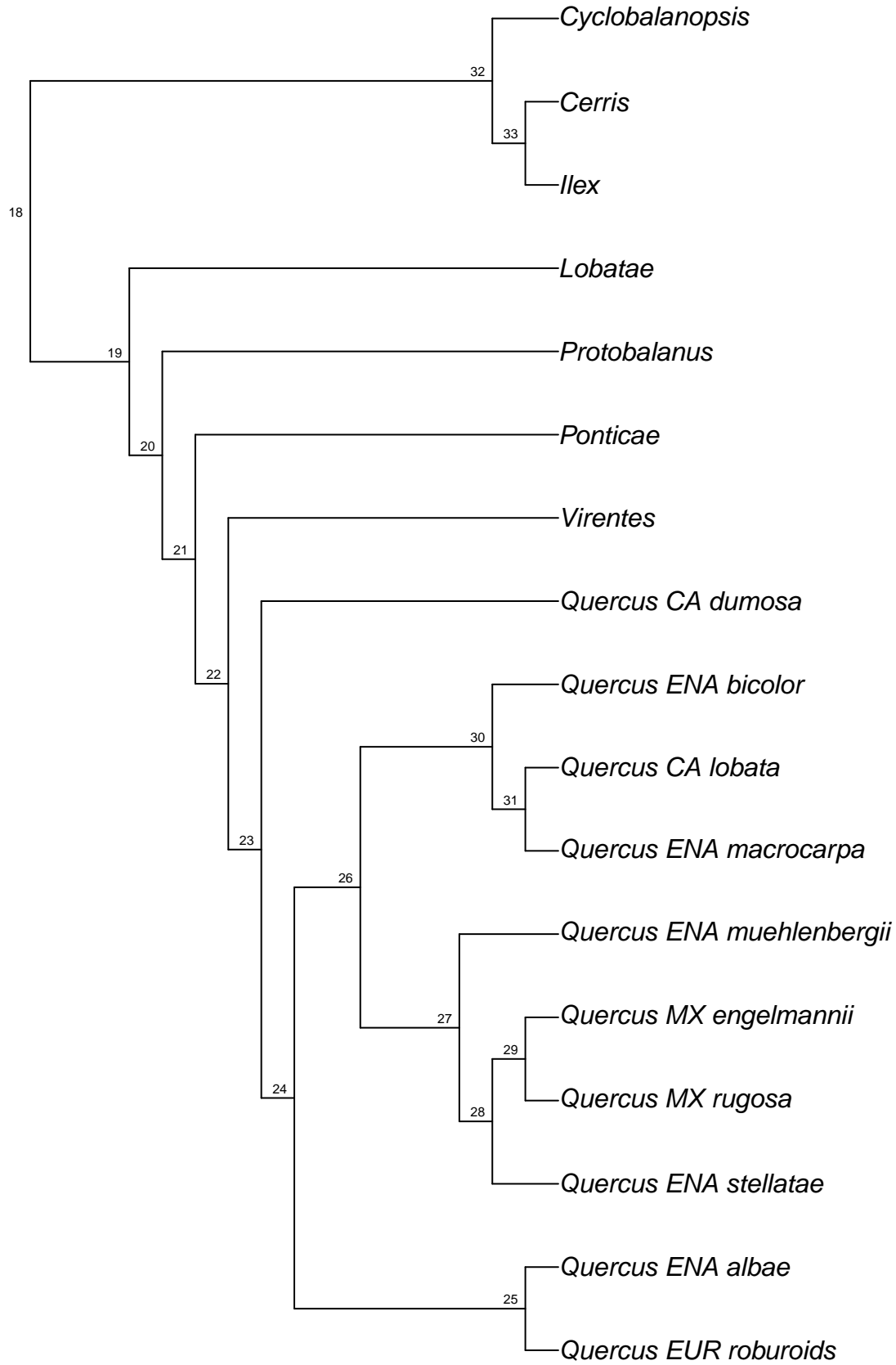
simRAD.simRAD\_Qvar\_raxml.bt050



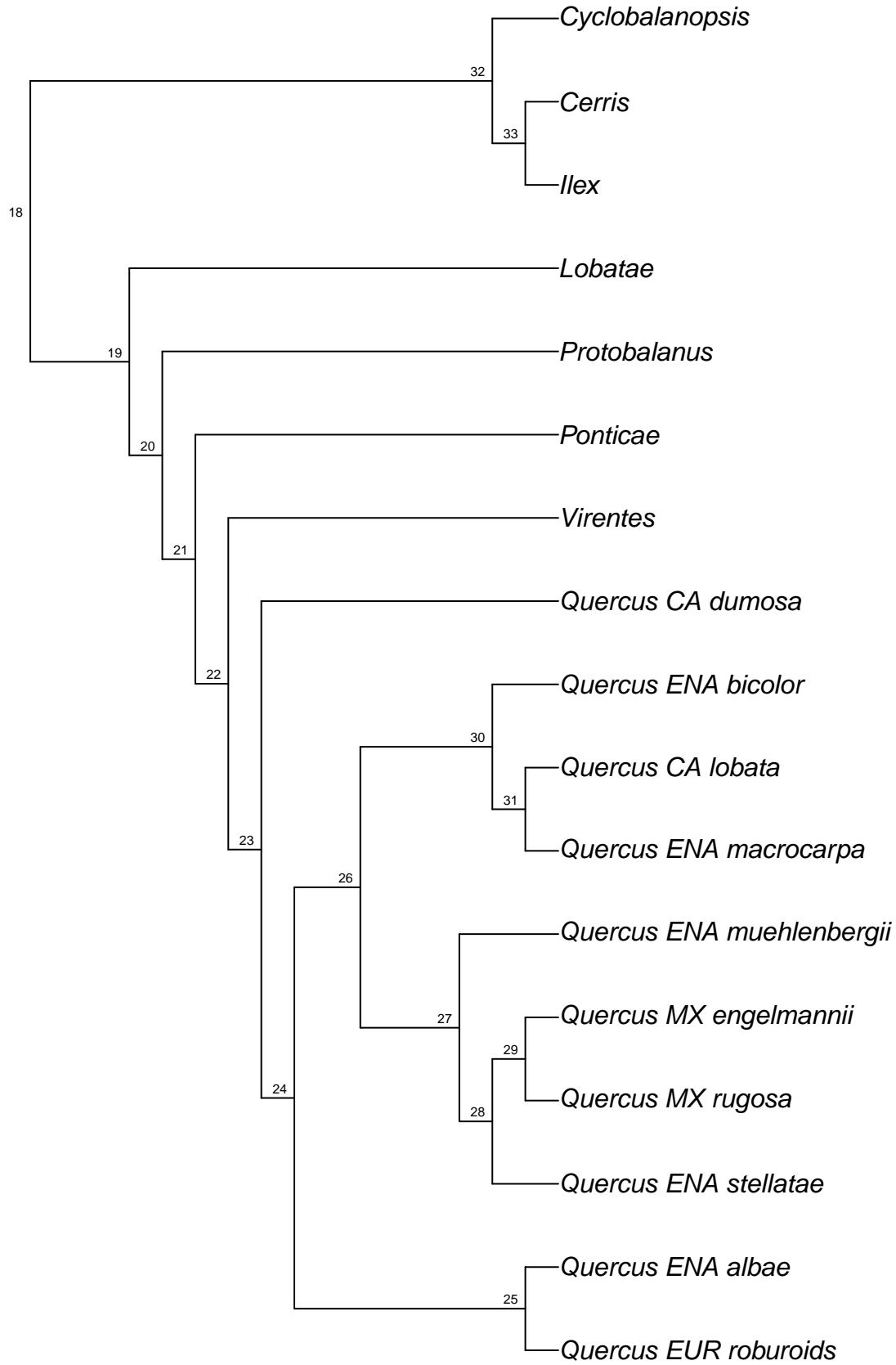
simRAD.simRAD\_Qvar\_raxml.bt051



simRAD.simRAD\_Qvar\_raxml.bt052

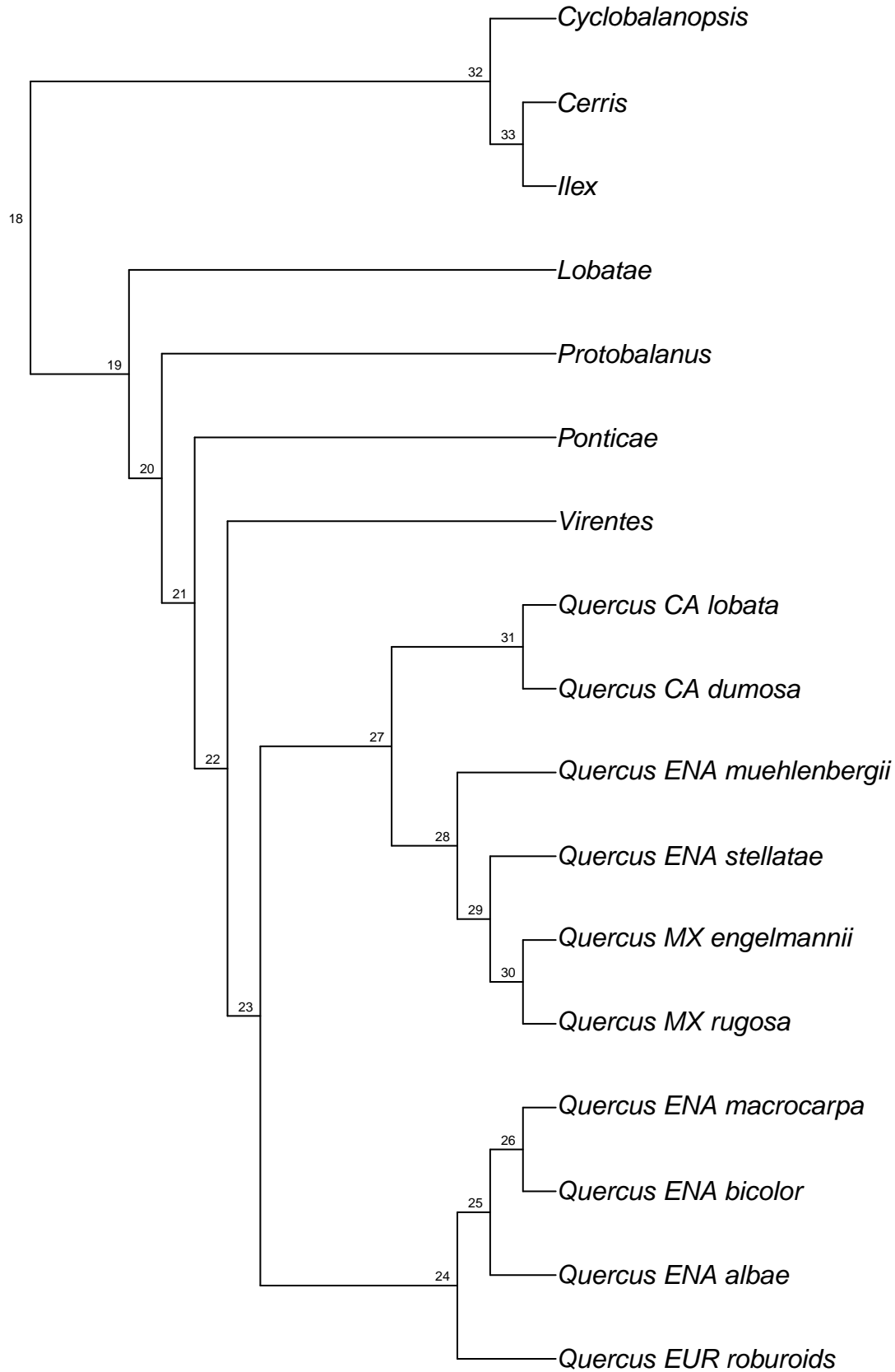


simRAD.simRAD\_Qvar\_raxml.bt053

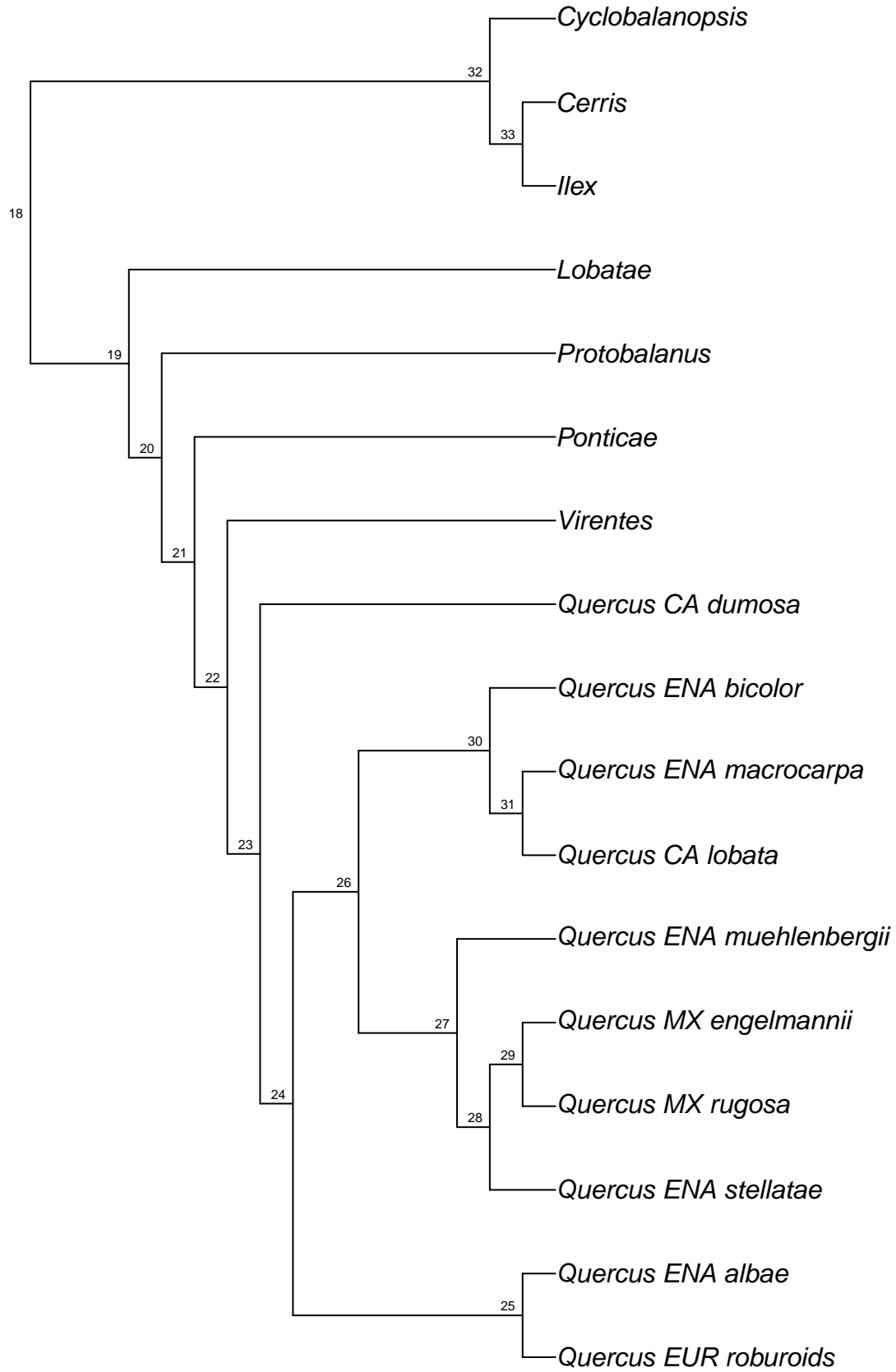




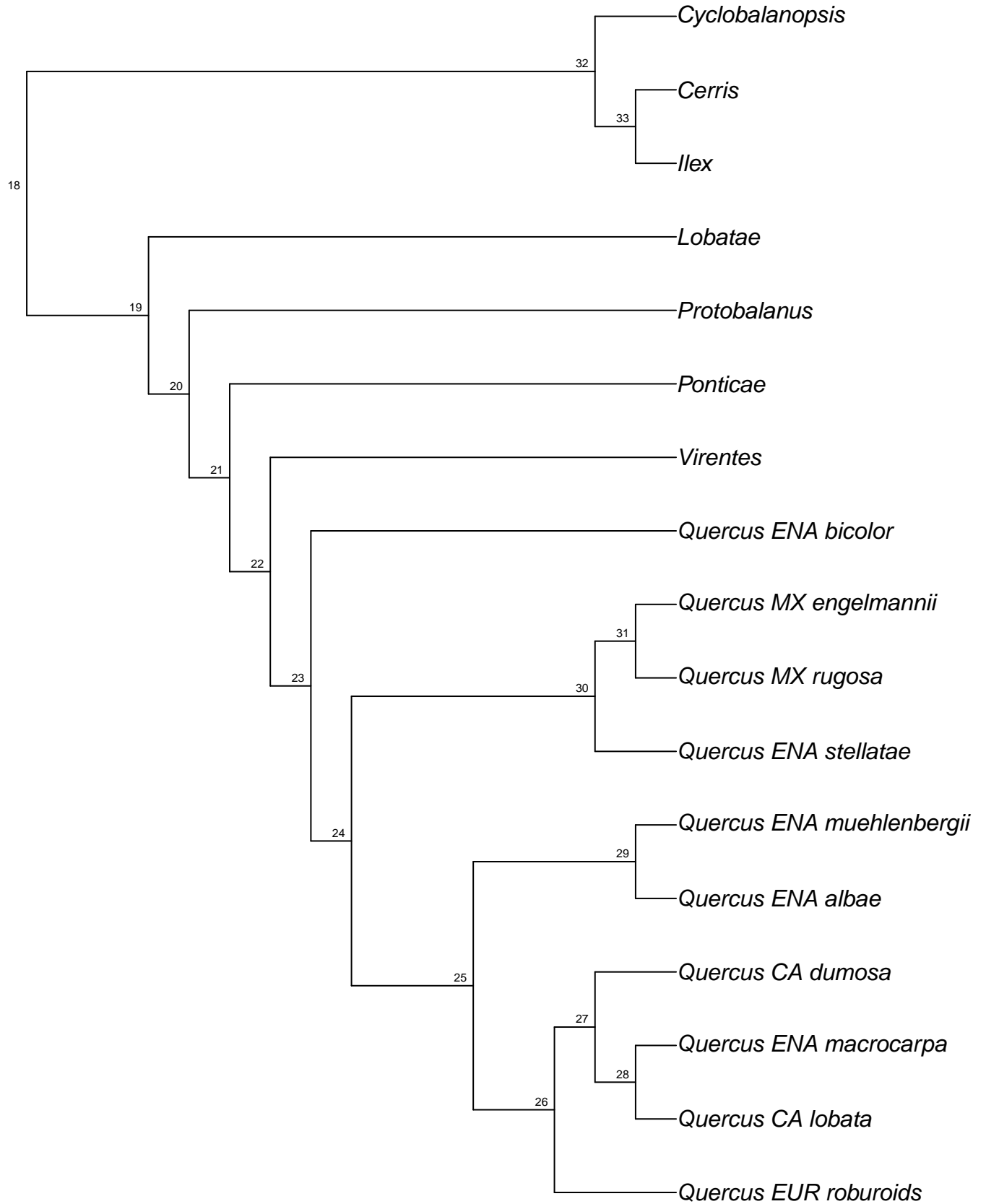
simRAD.simRAD\_Qvar\_raxml.bt054



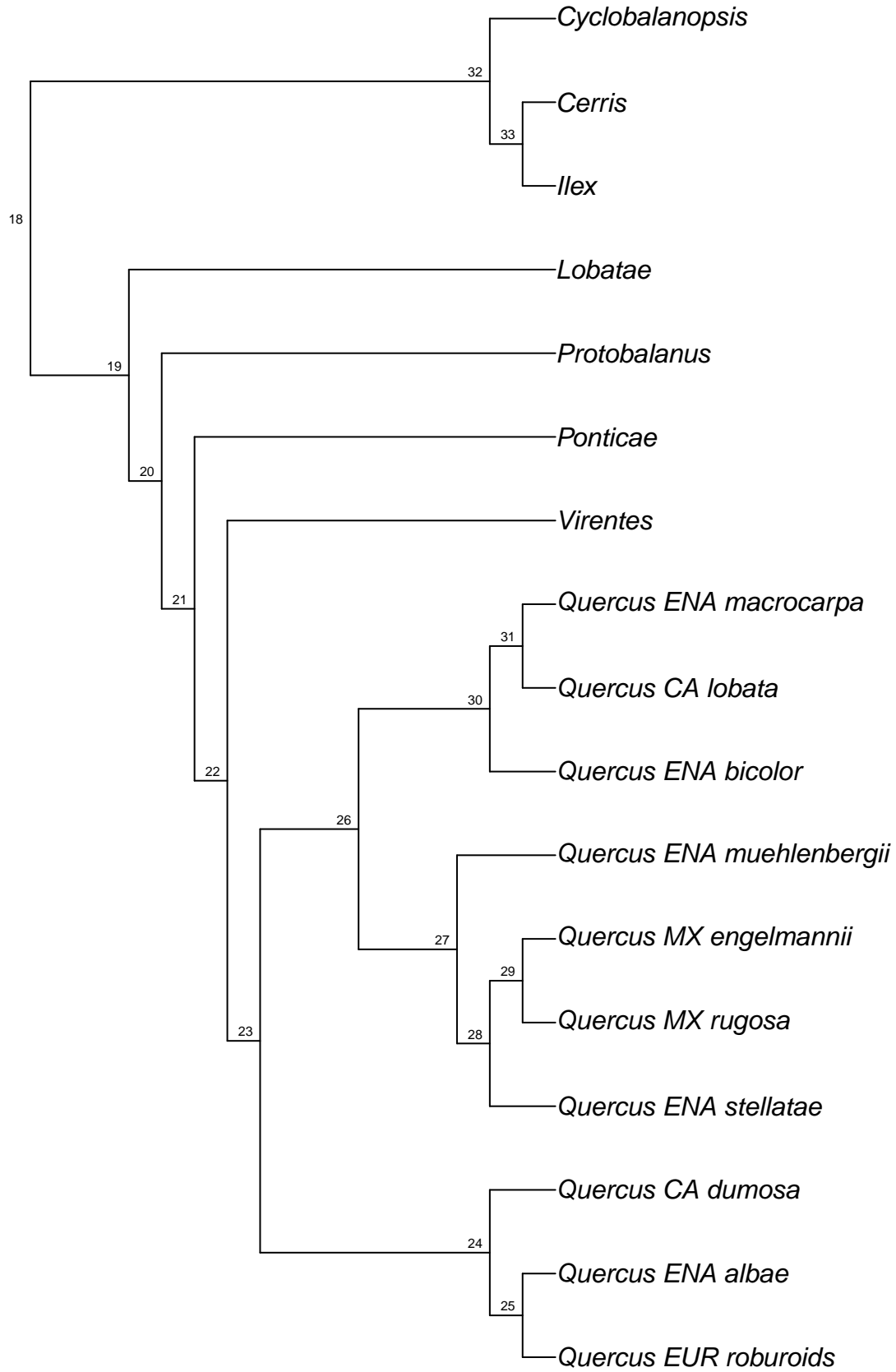
simRAD.simRAD\_Qvar\_raxml.bt055



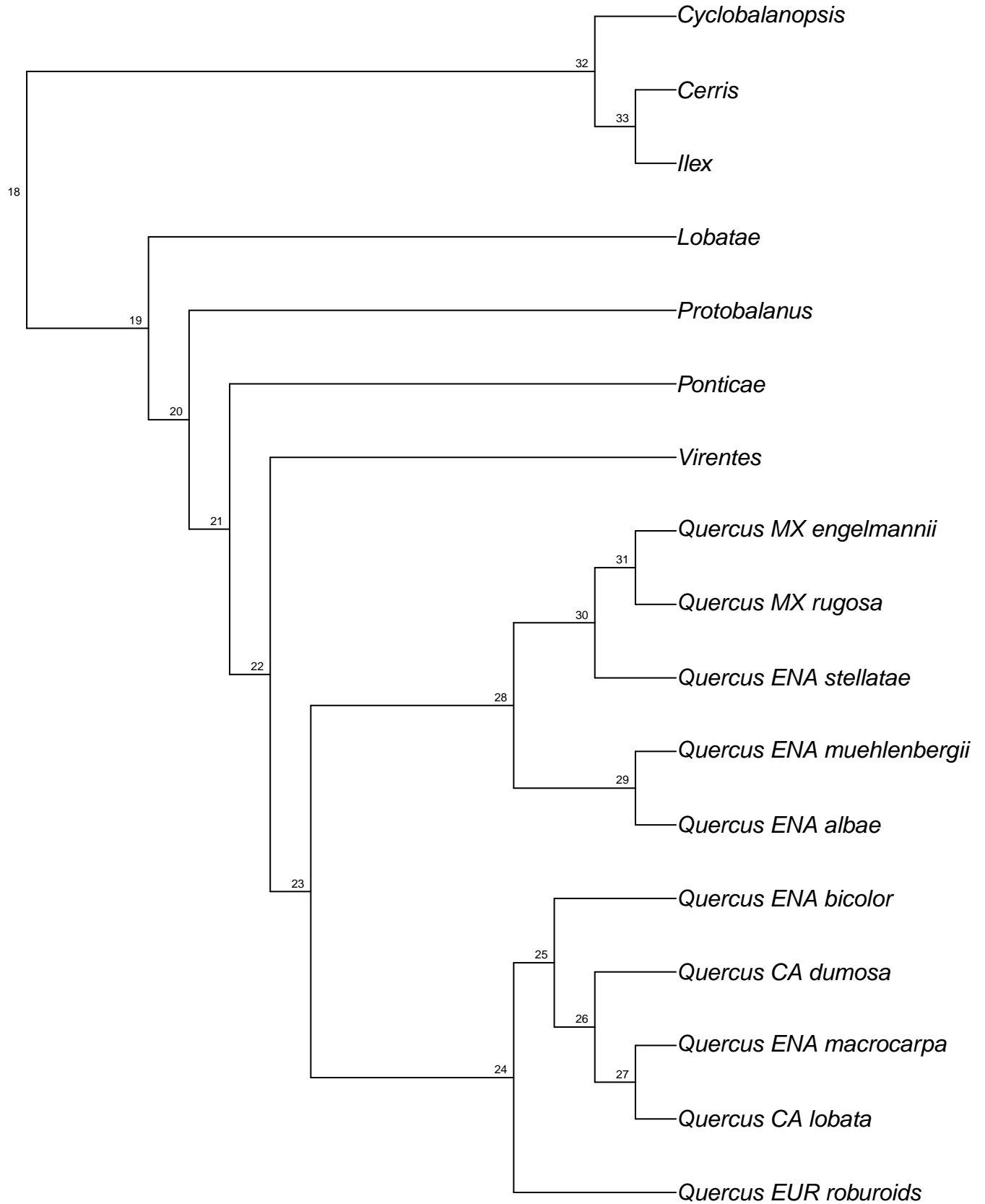
simRAD.simRAD\_Qvar\_raxml.bt056



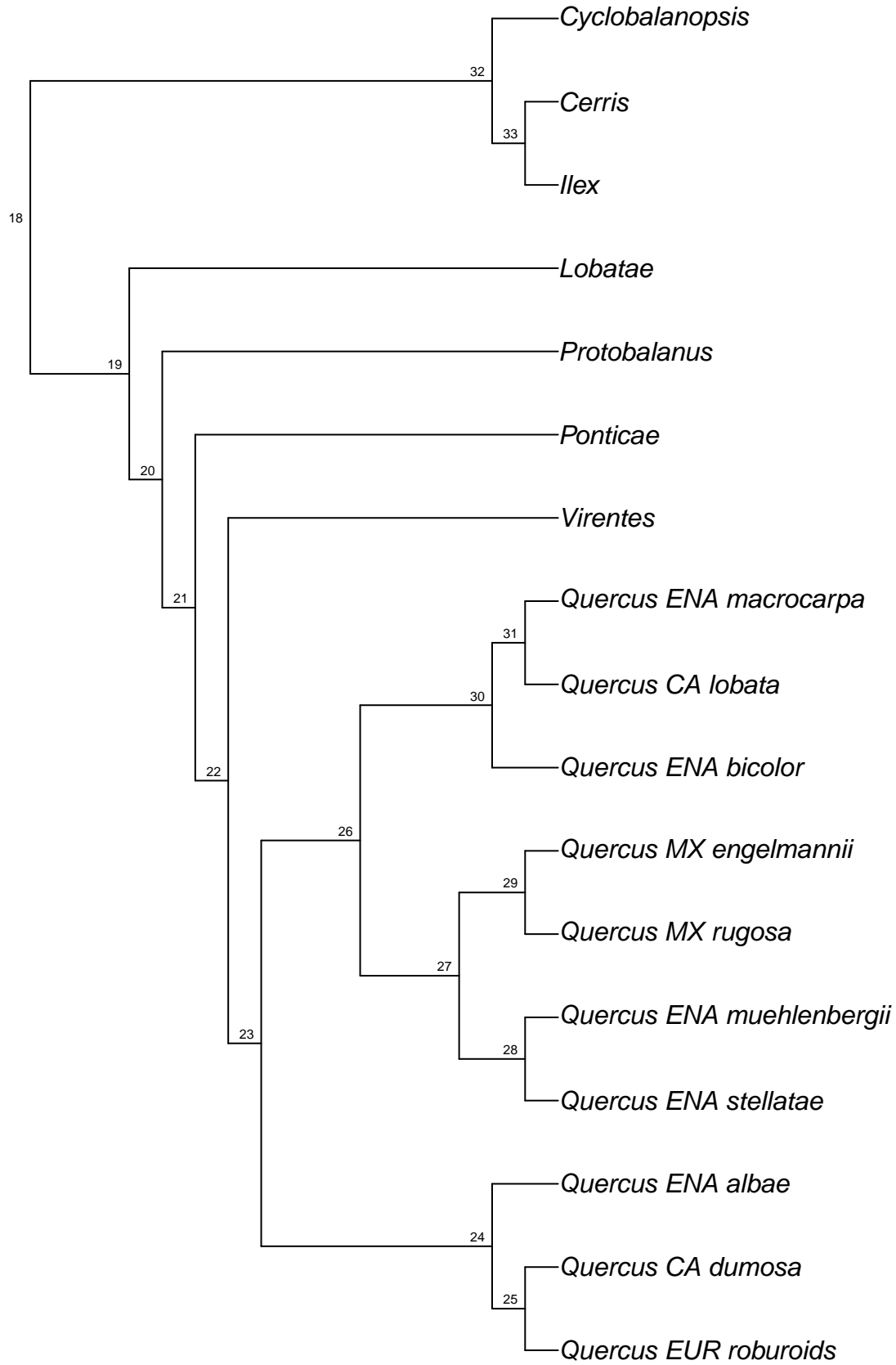
simRAD.simRAD\_Qvar\_raxml.bt057



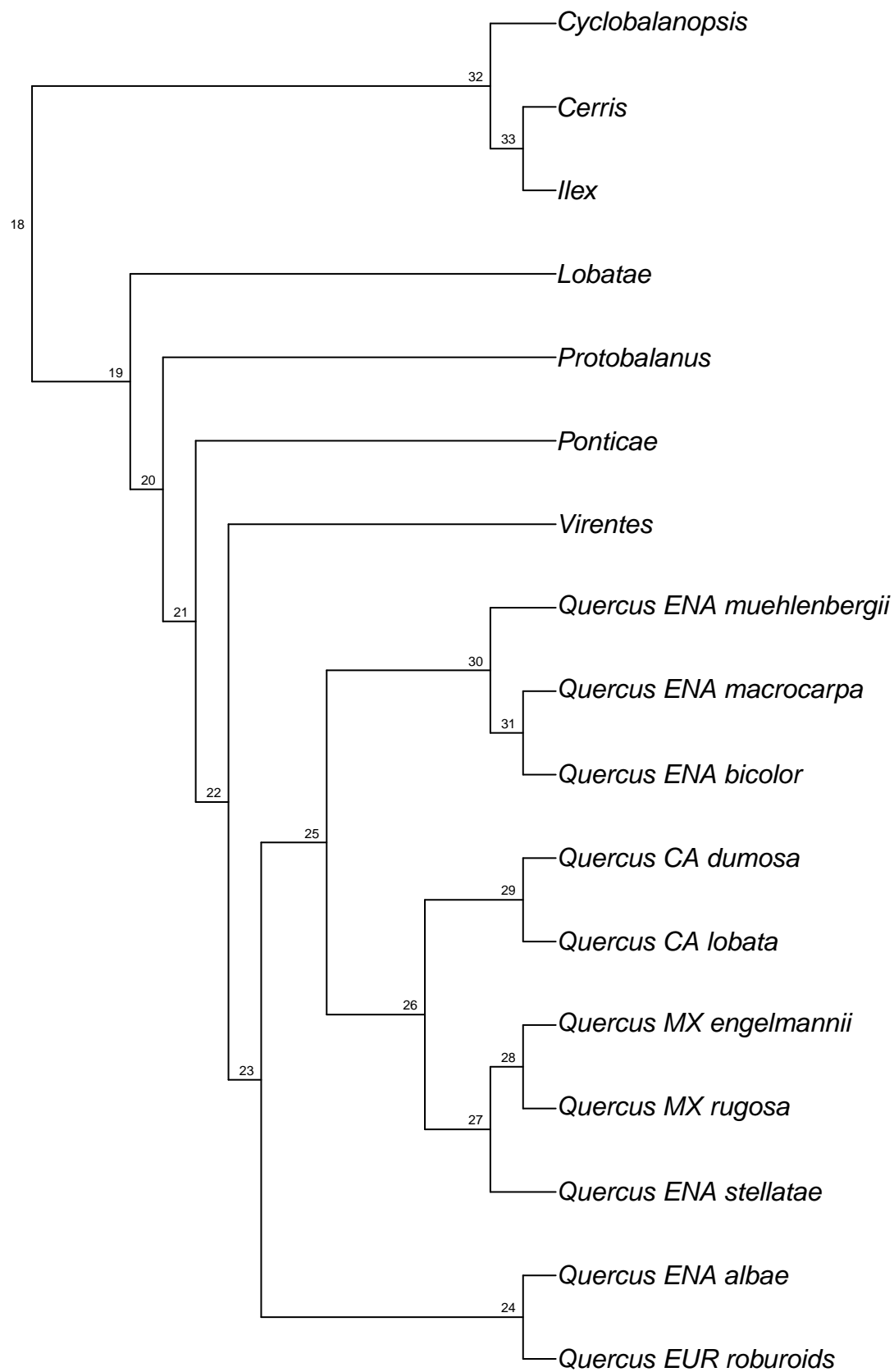
simRAD.simRAD\_Qvar\_raxml.bt058



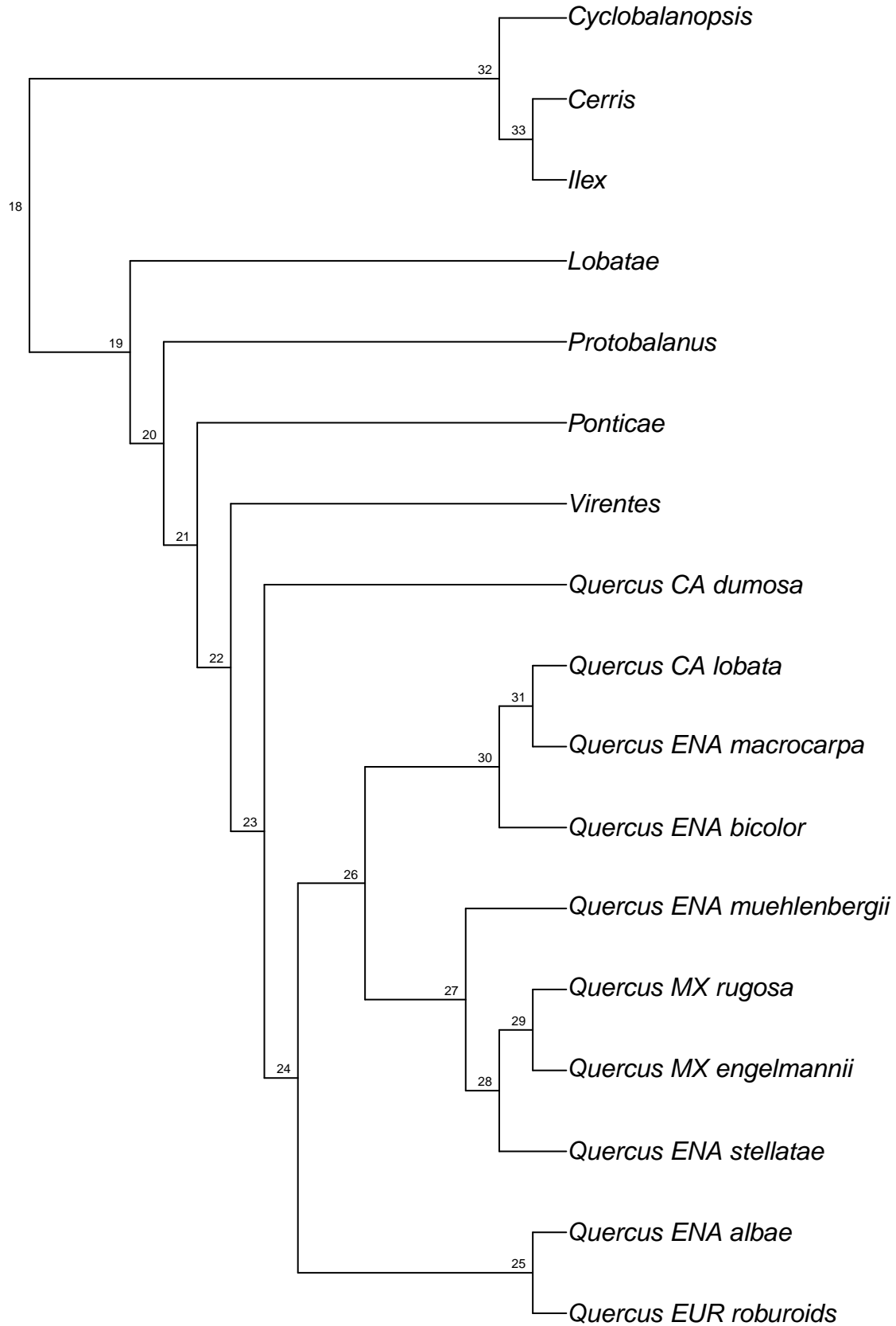
simRAD.simRAD\_Qvar\_raxml.bt059



**simRAD.simRAD\_Qvar\_raxml.bt060**

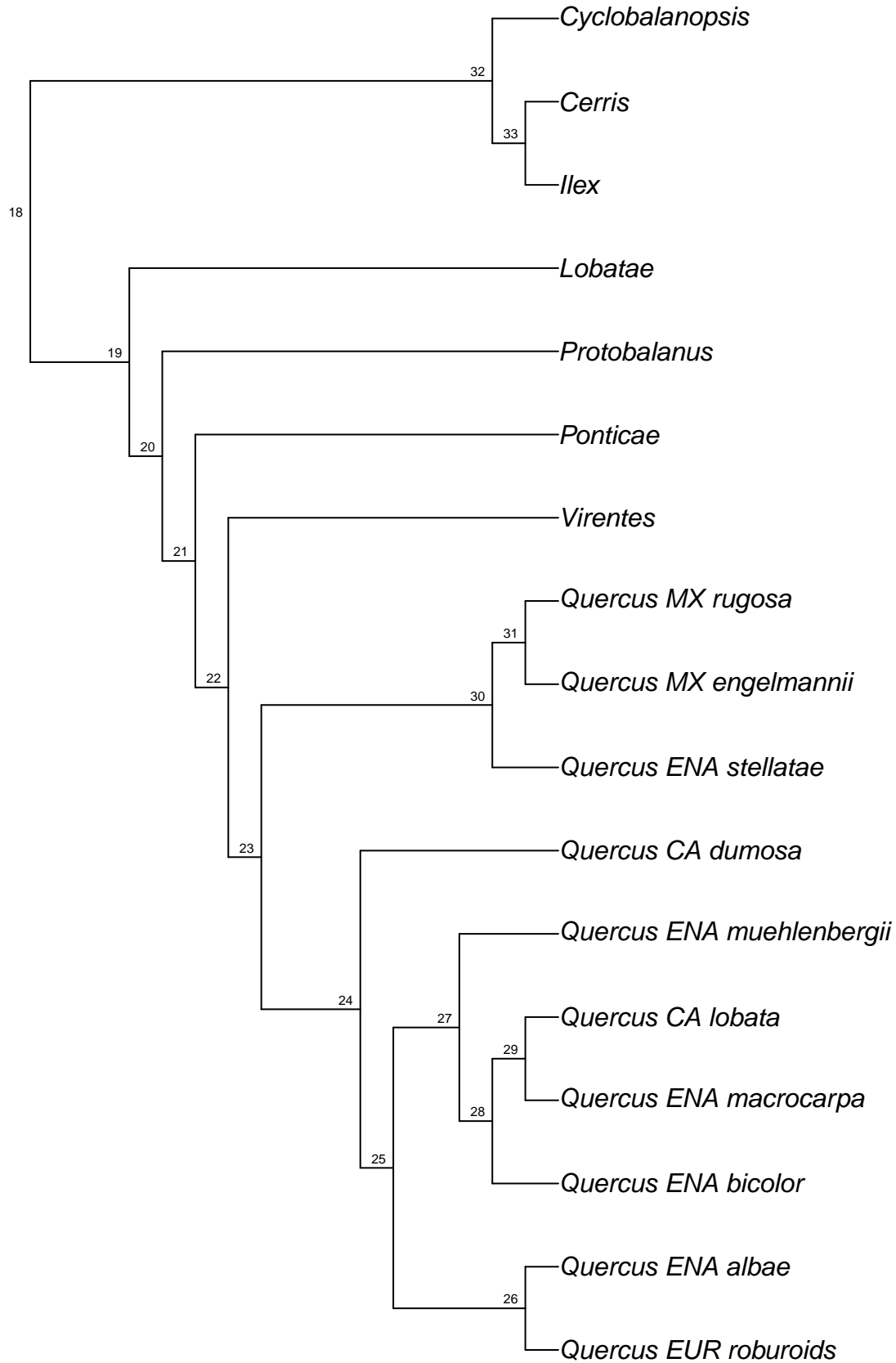


simRAD.simRAD\_Qvar\_raxml.bt061

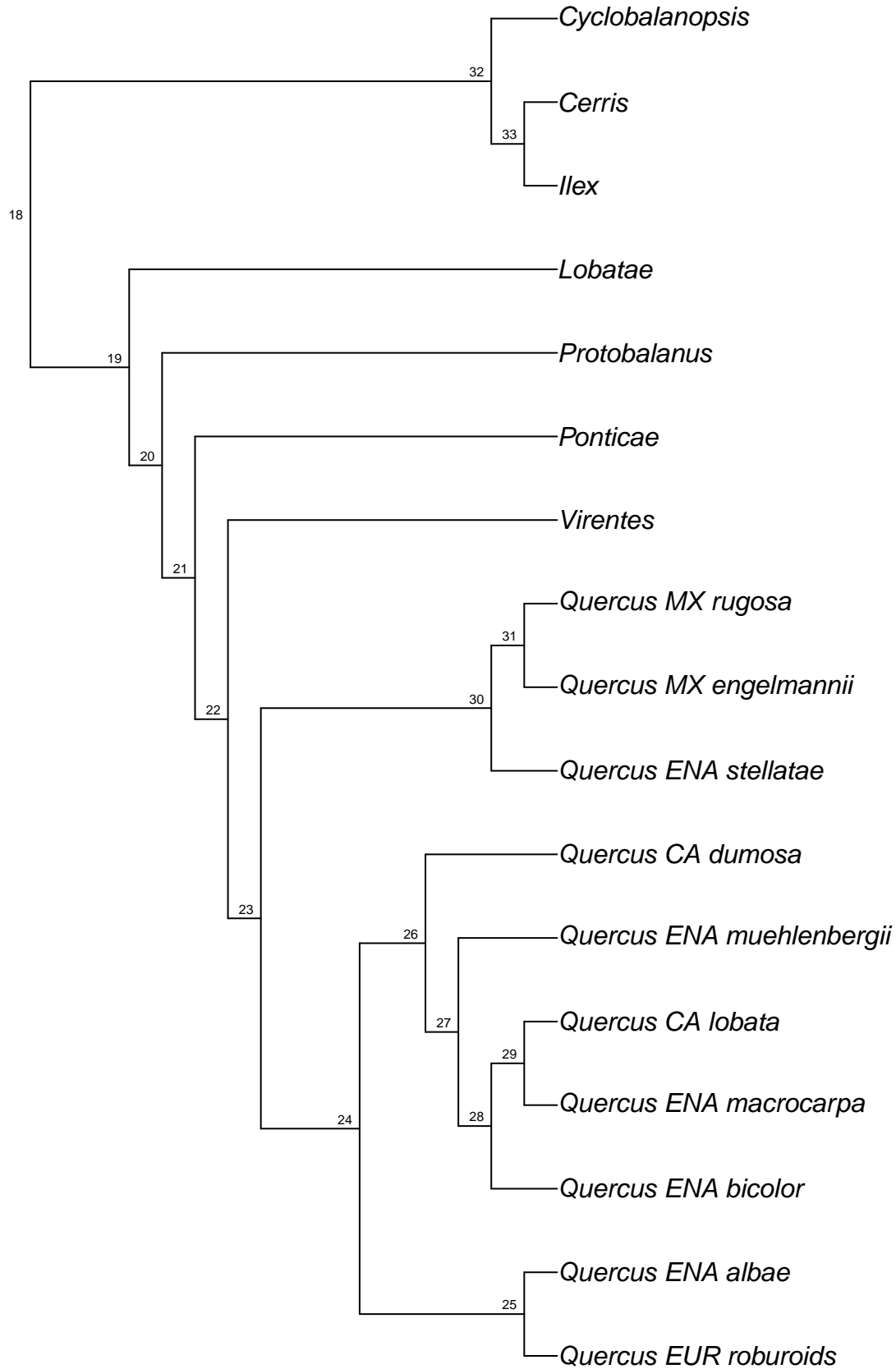




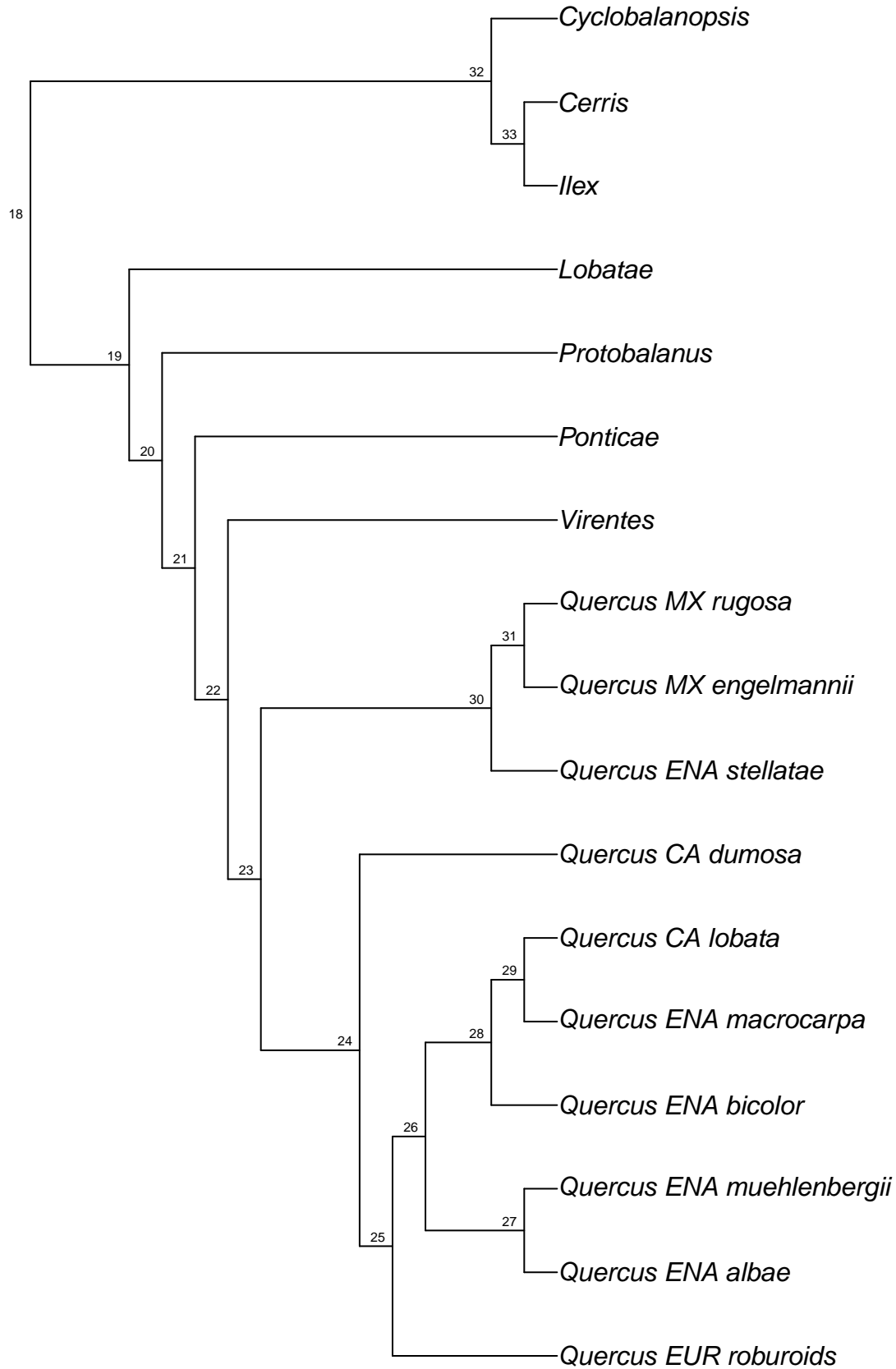
simRAD.simRAD\_Qvar\_raxml.bt062



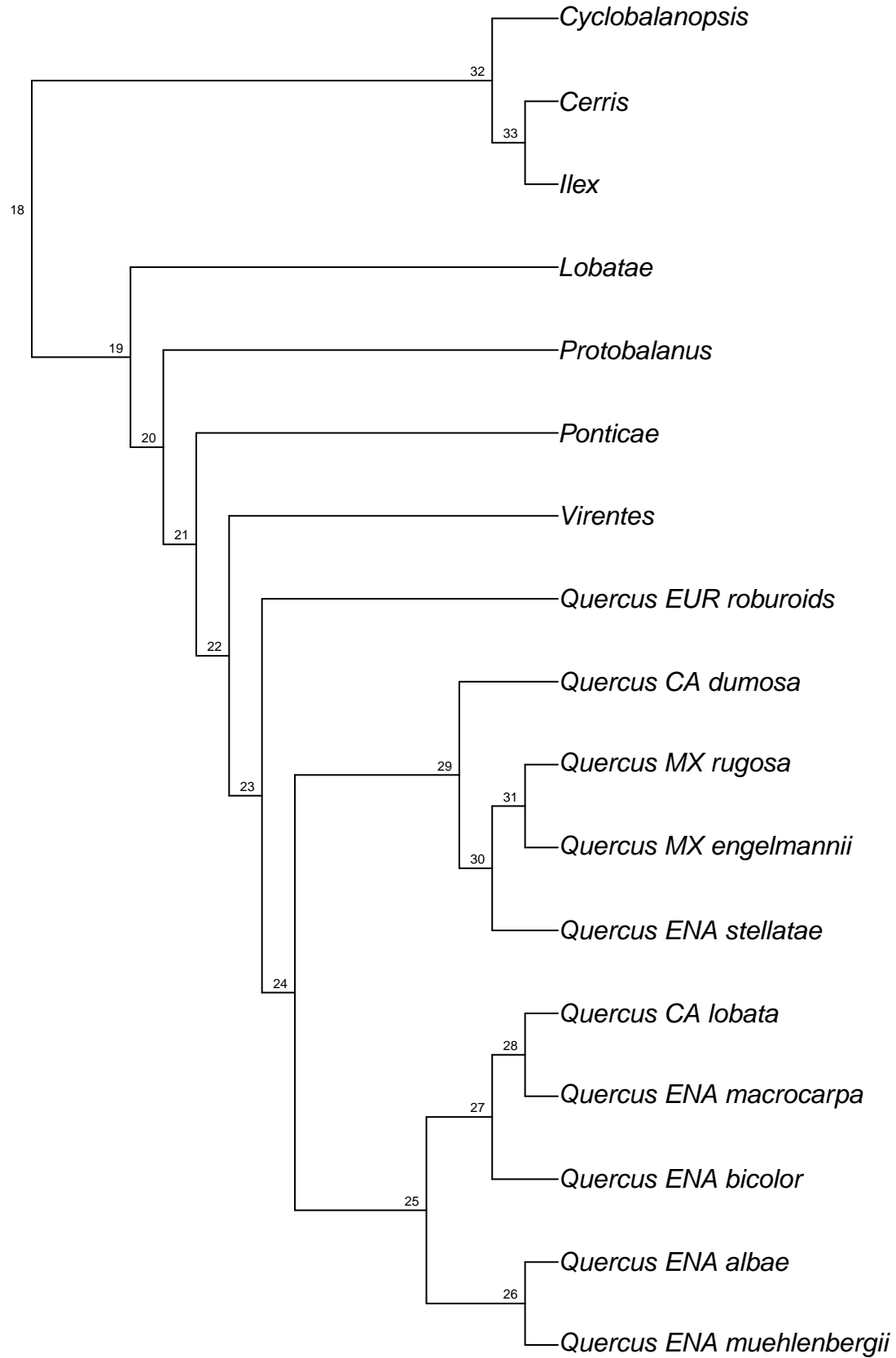
simRAD.simRAD\_Qvar\_raxml.bt063



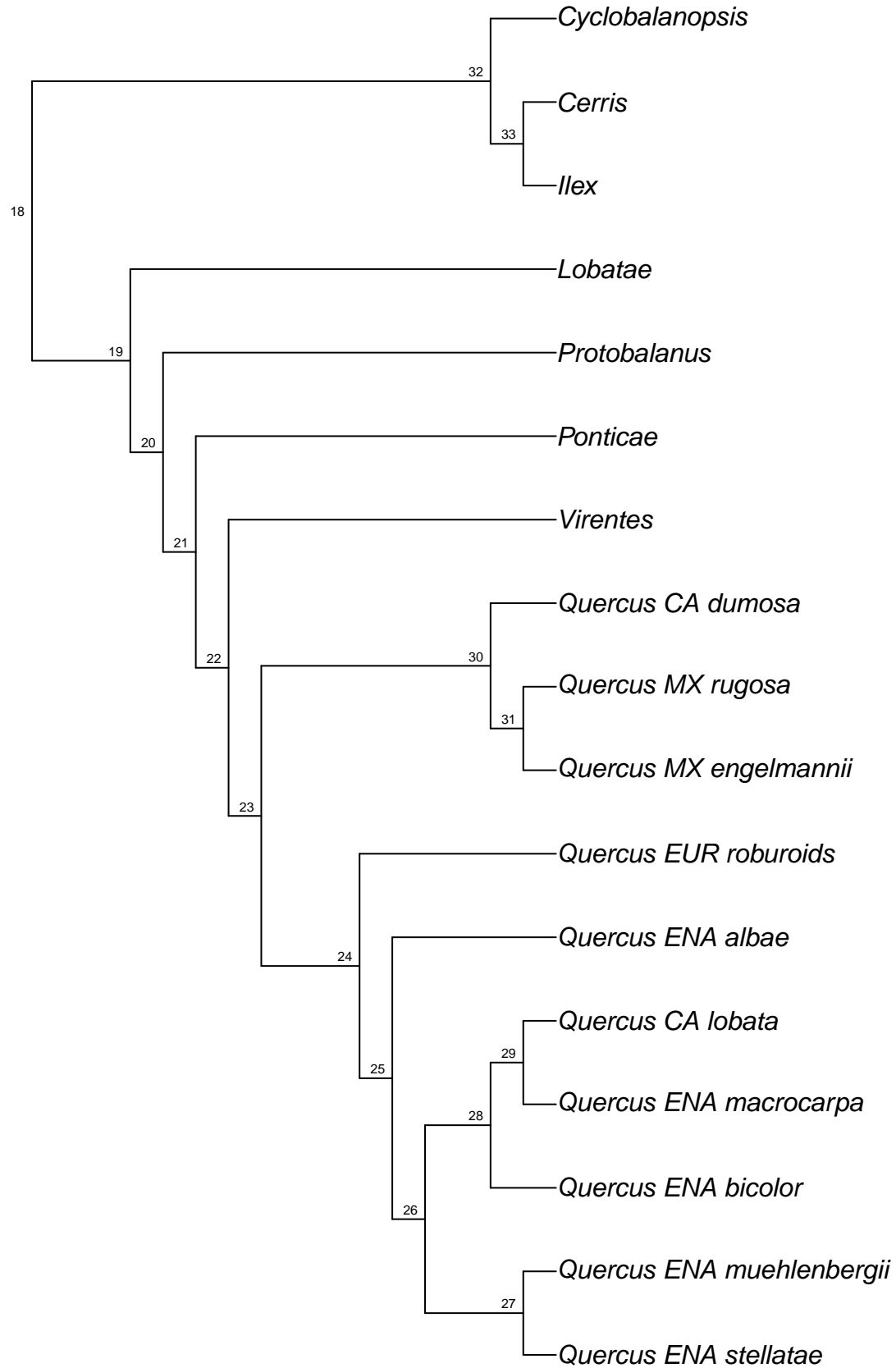
simRAD.simRAD\_Qvar\_raxml.bt064



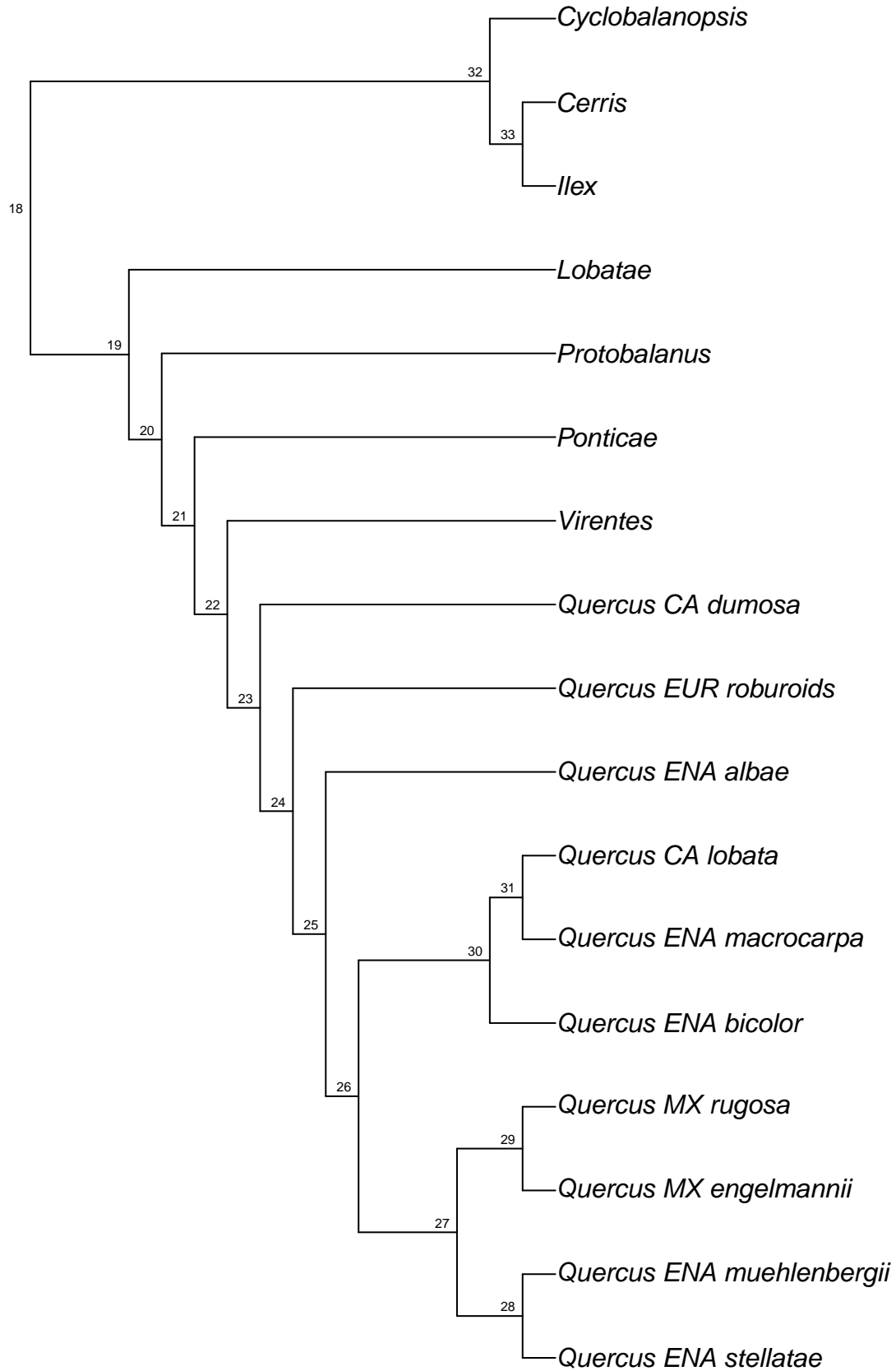
simRAD.simRAD\_Qvar\_raxml.bt065



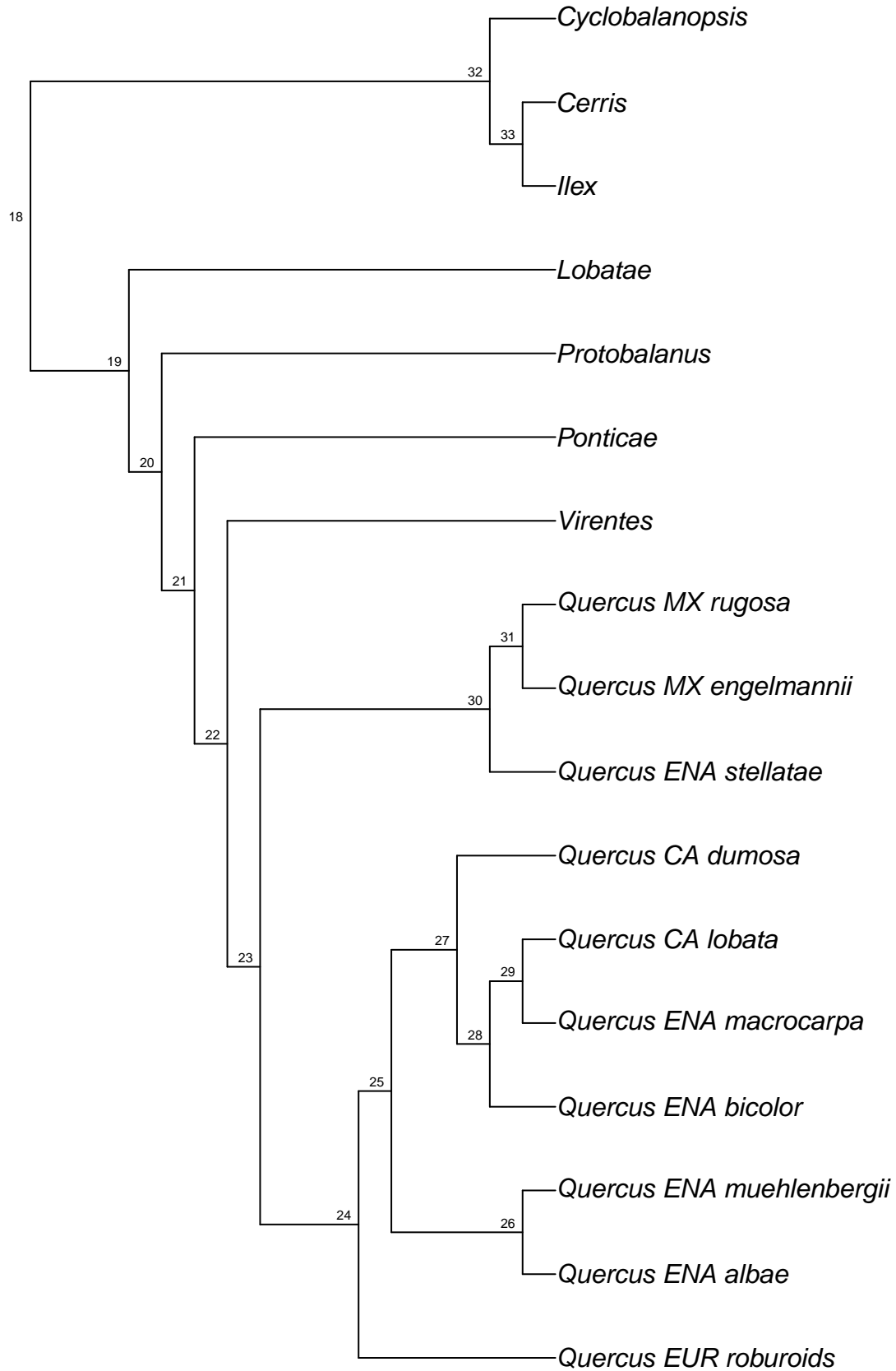
simRAD.simRAD\_Qvar\_raxml.bt066



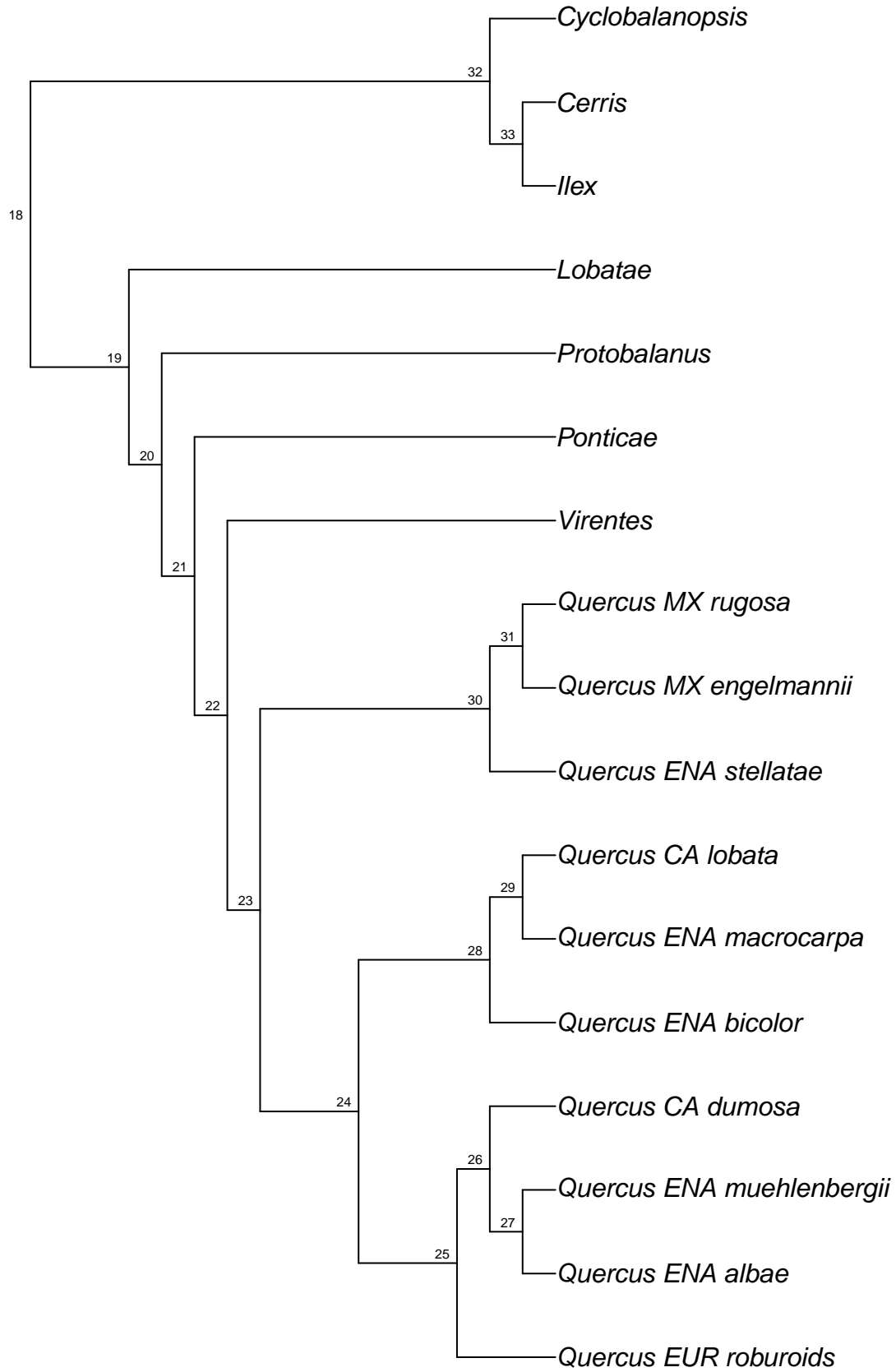
simRAD.simRAD\_Qvar\_raxml.bt067



simRAD.simRAD\_Qvar\_raxml.bt068

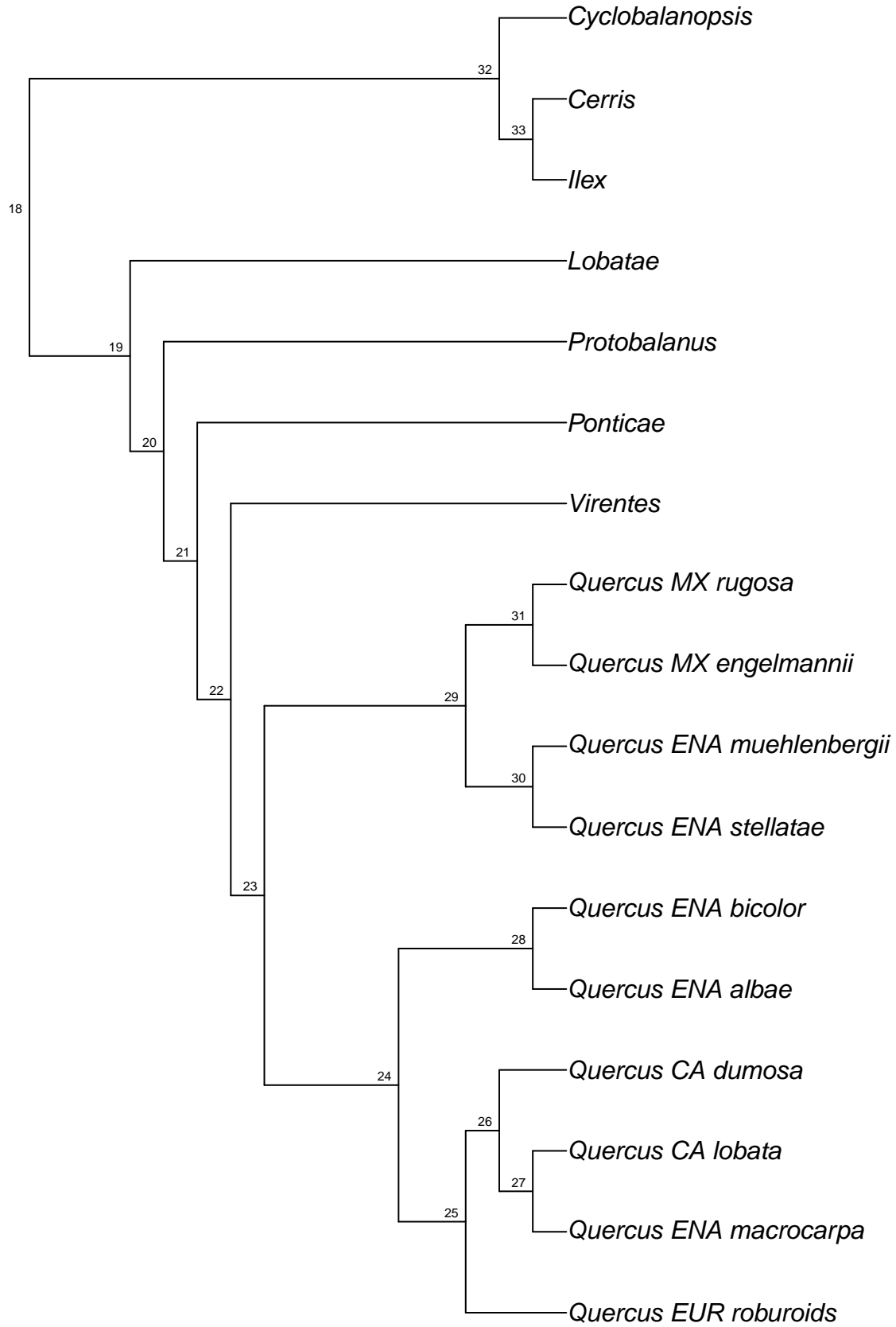


simRAD.simRAD\_Qvar\_raxml.bt069

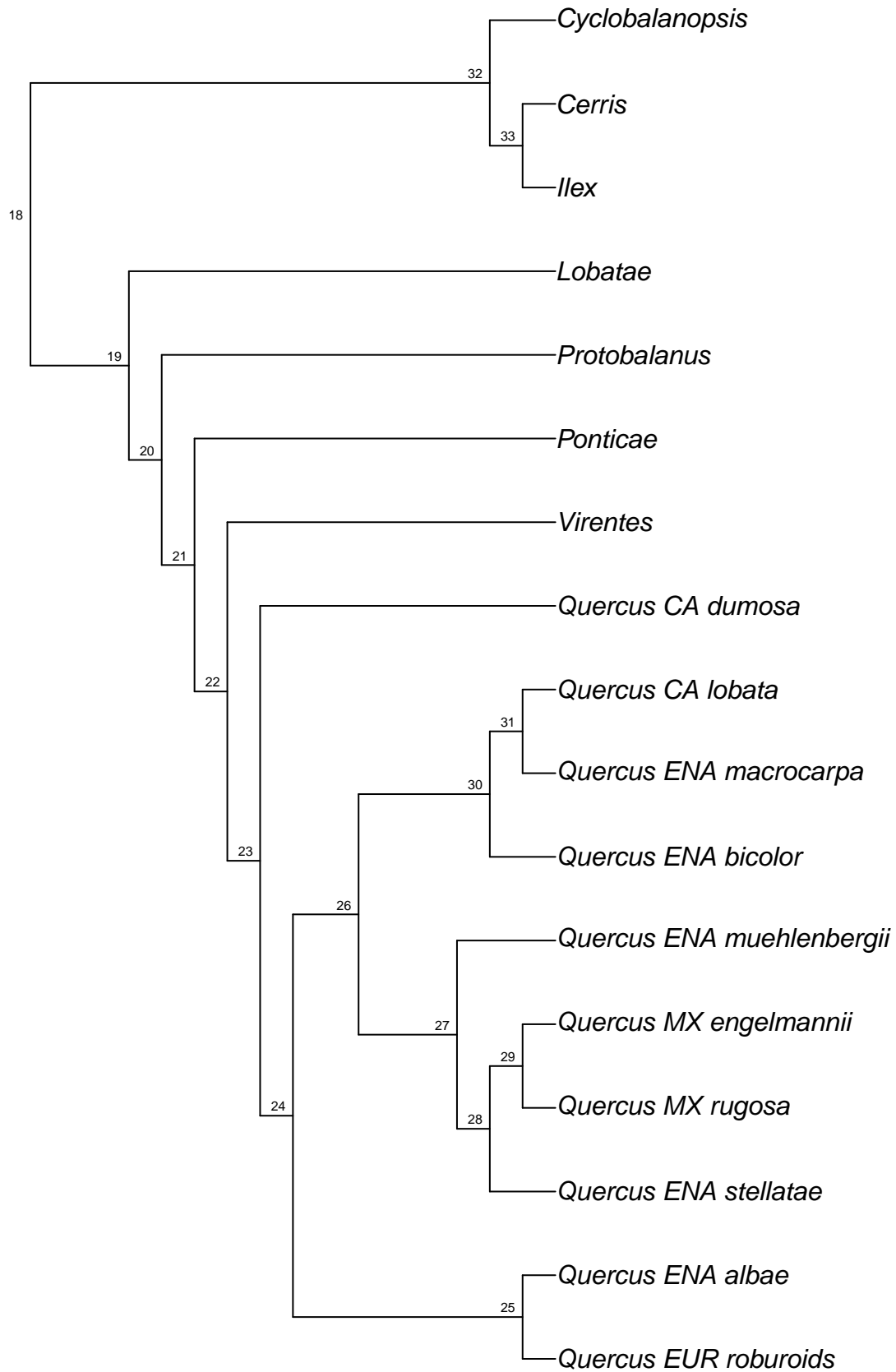




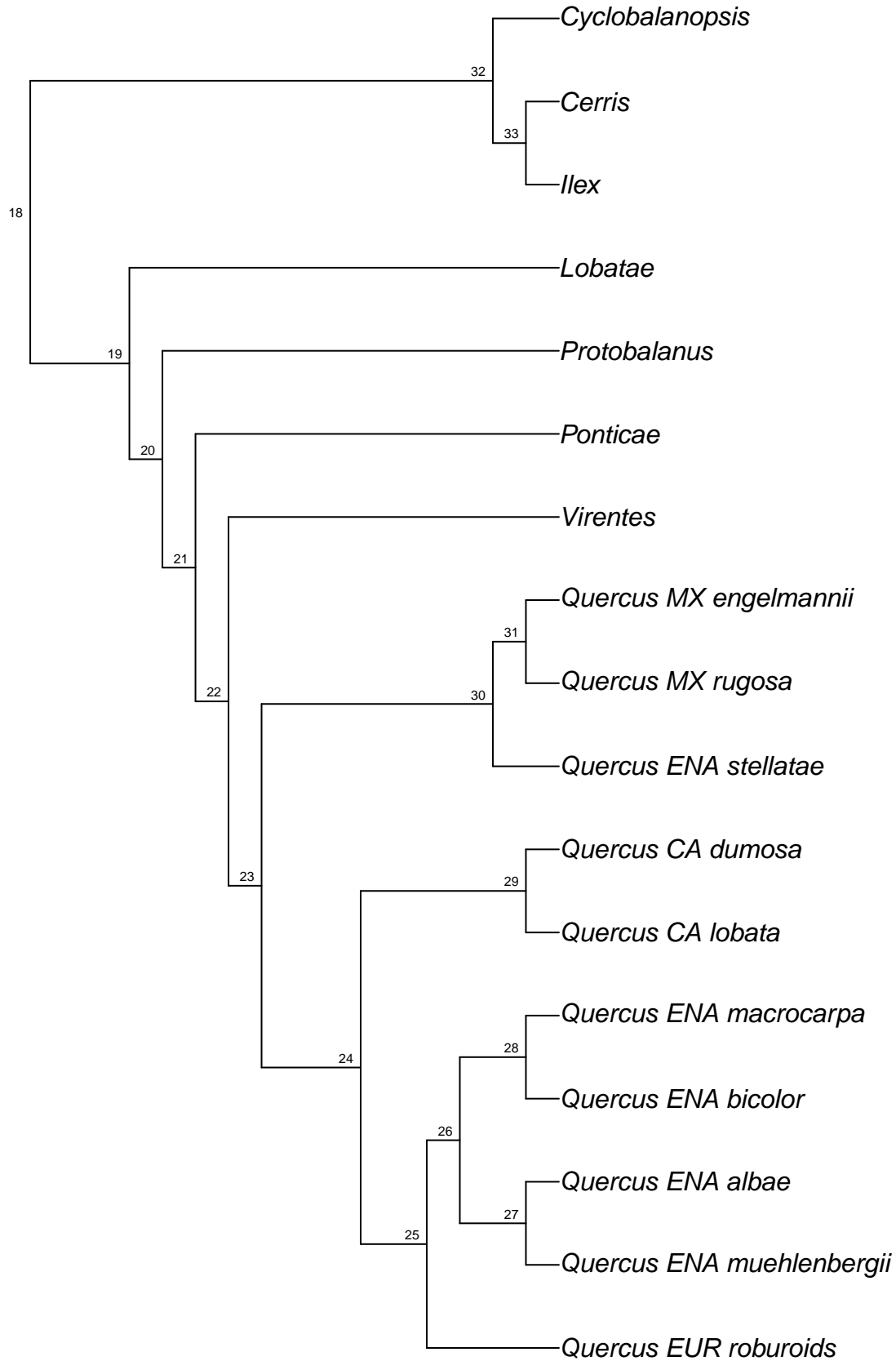
**simRAD.simRAD\_Qvar\_raxml.bt070**



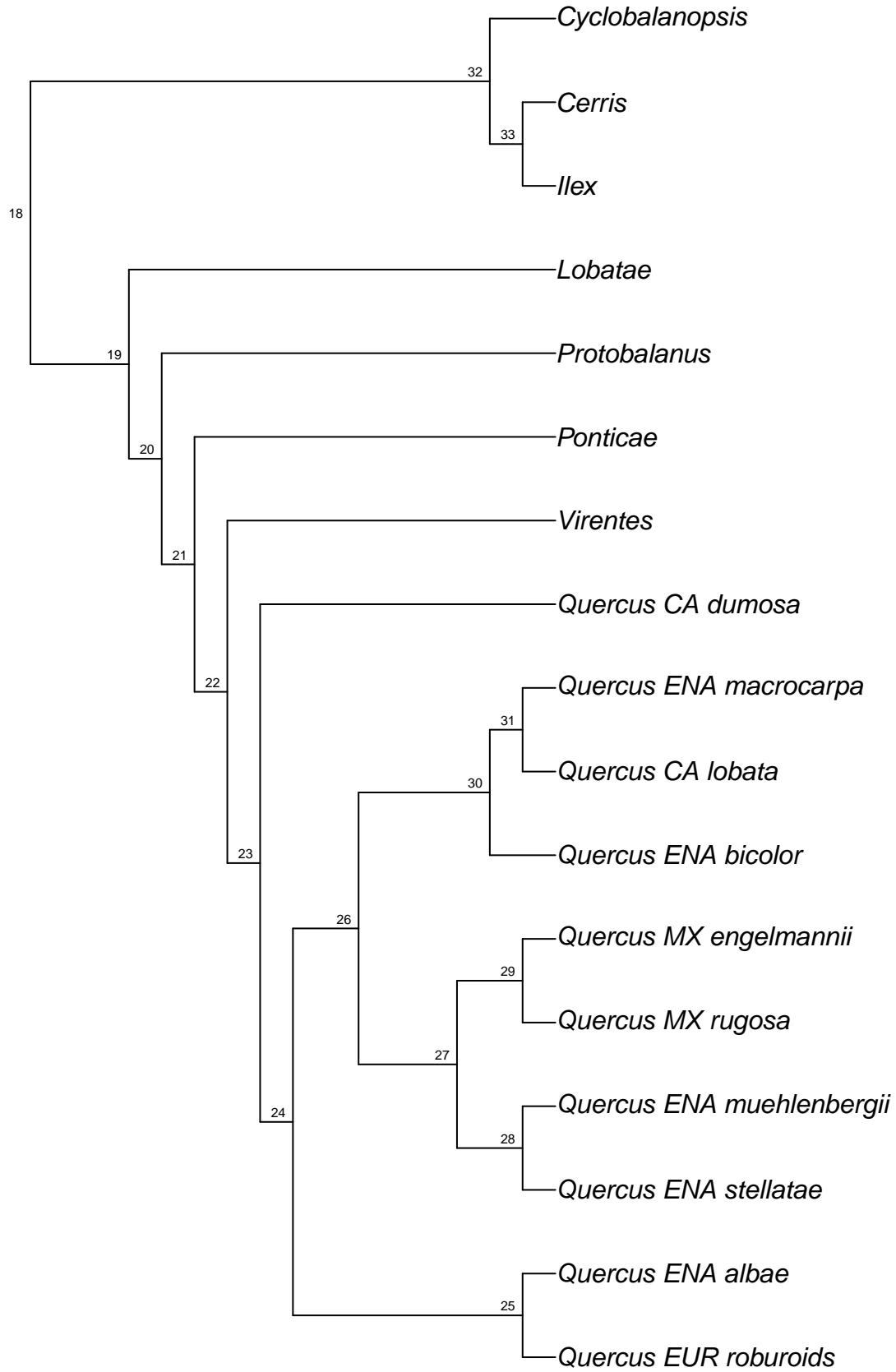
**simRAD.simRAD\_Qvar\_raxml.bt071**



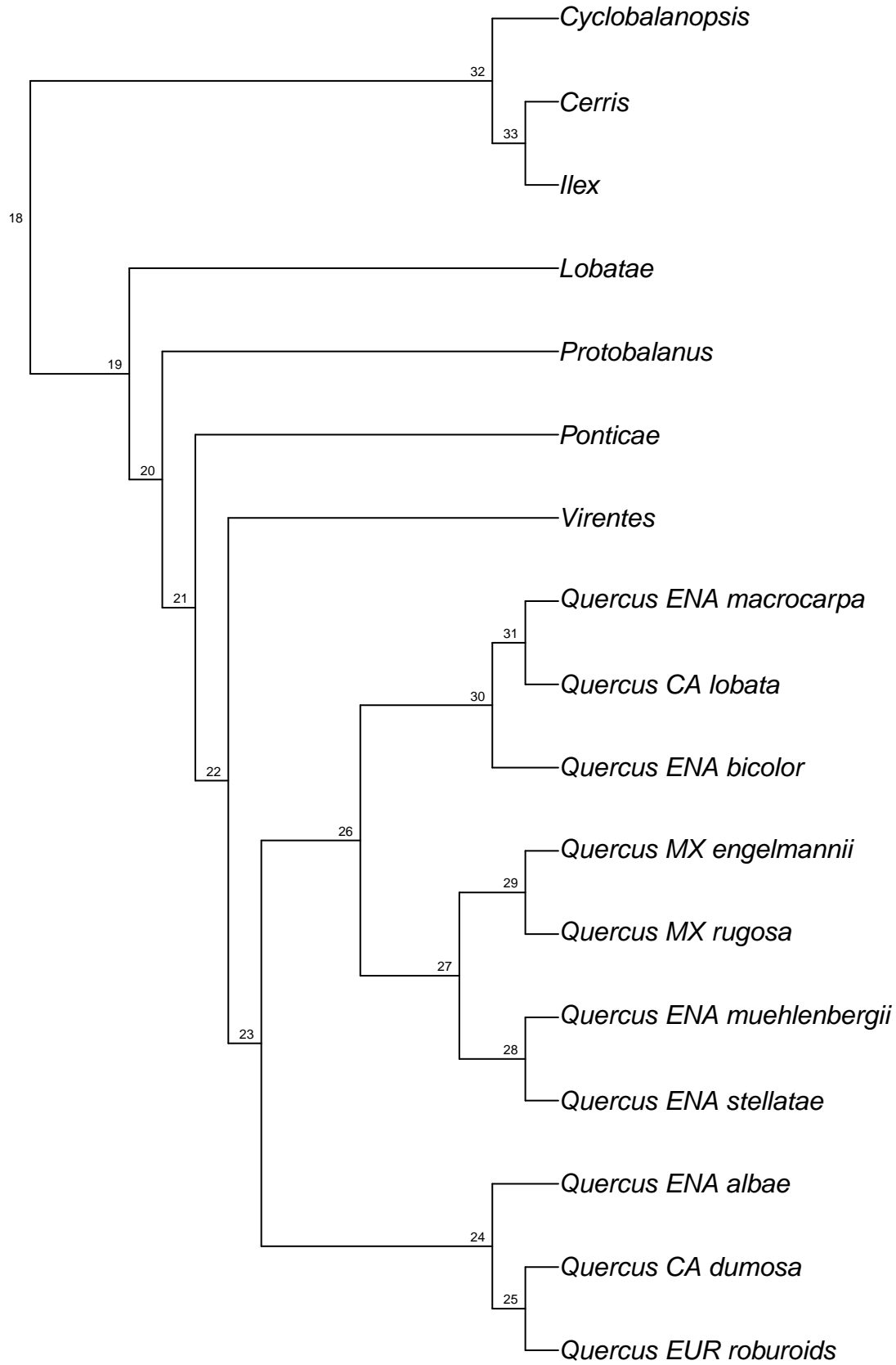
simRAD.simRAD\_Qvar\_raxml.bt072



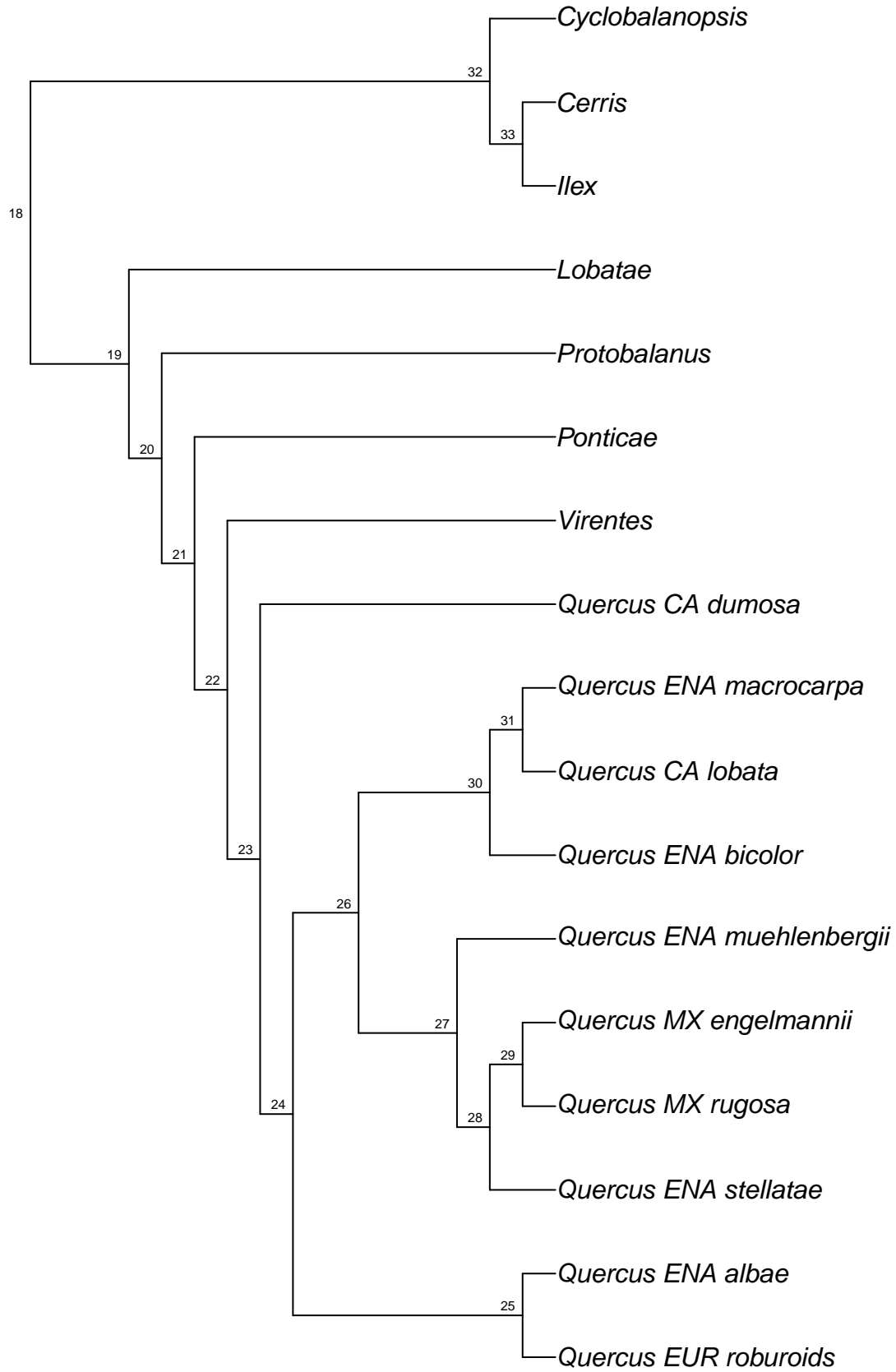
simRAD.simRAD\_Qvar\_raxml.bt073



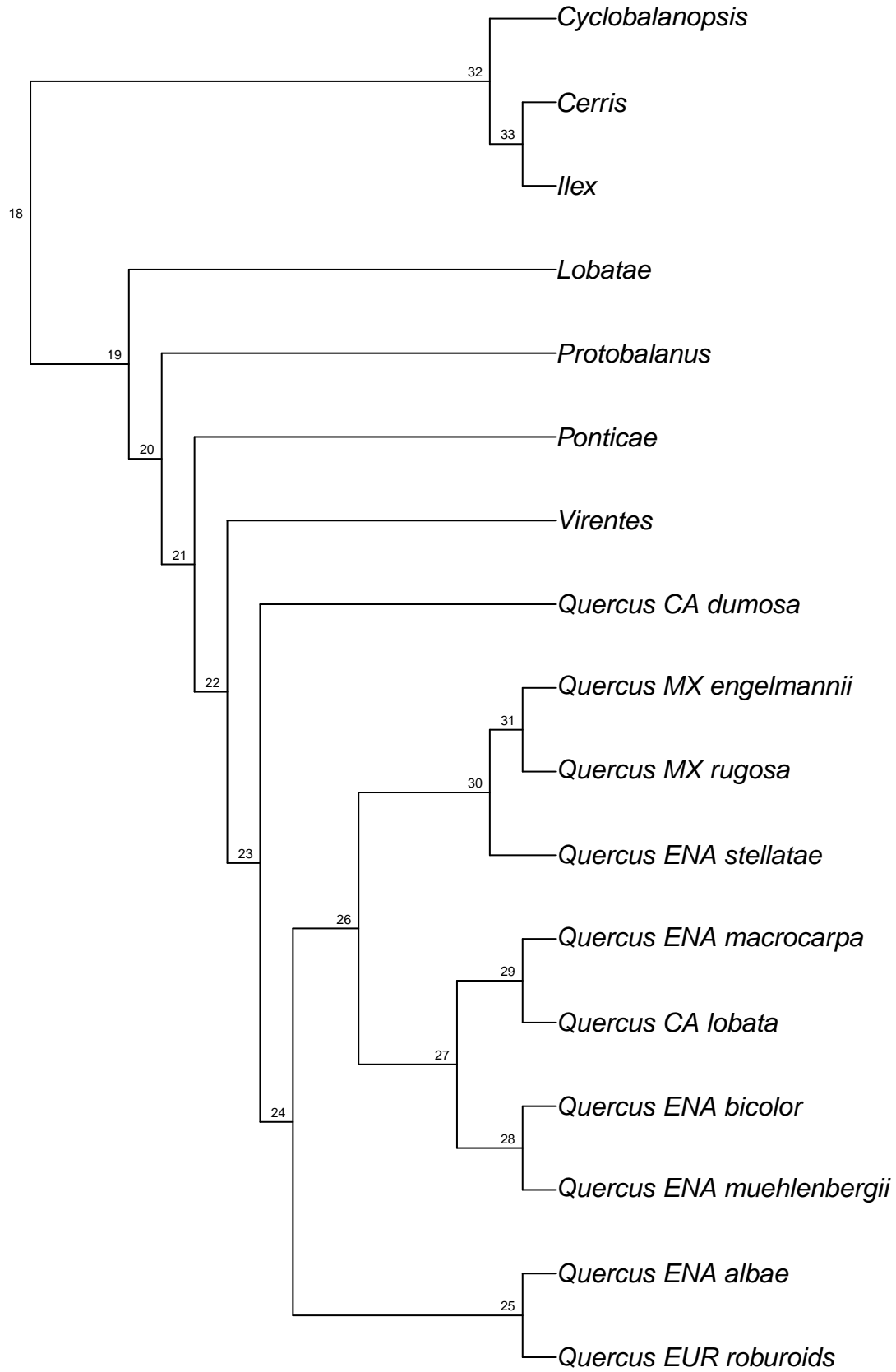
simRAD.simRAD\_Qvar\_raxml.bt074



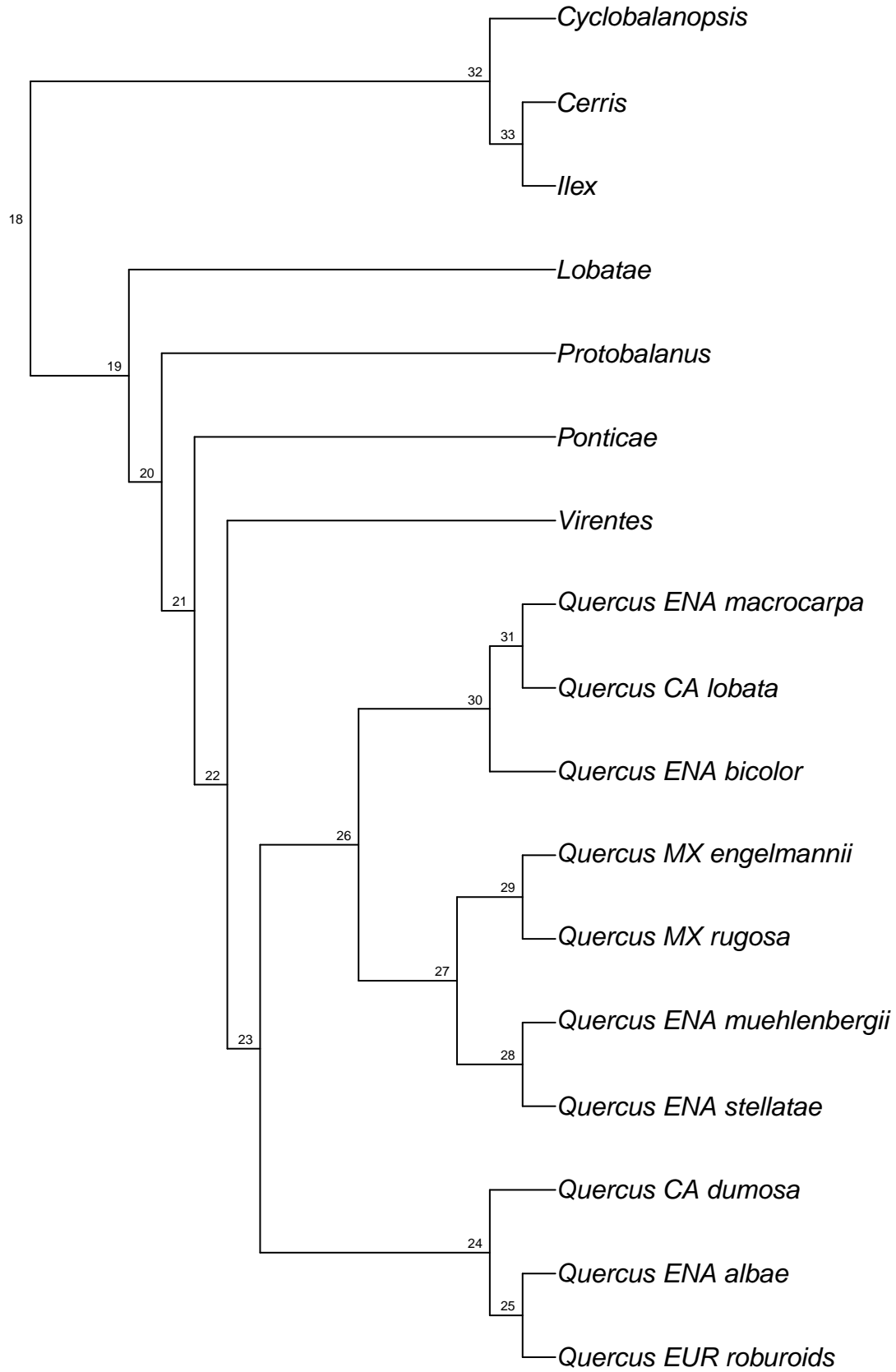
simRAD.simRAD\_Qvar\_raxml.bt075



simRAD.simRAD\_Qvar\_raxml.bt076

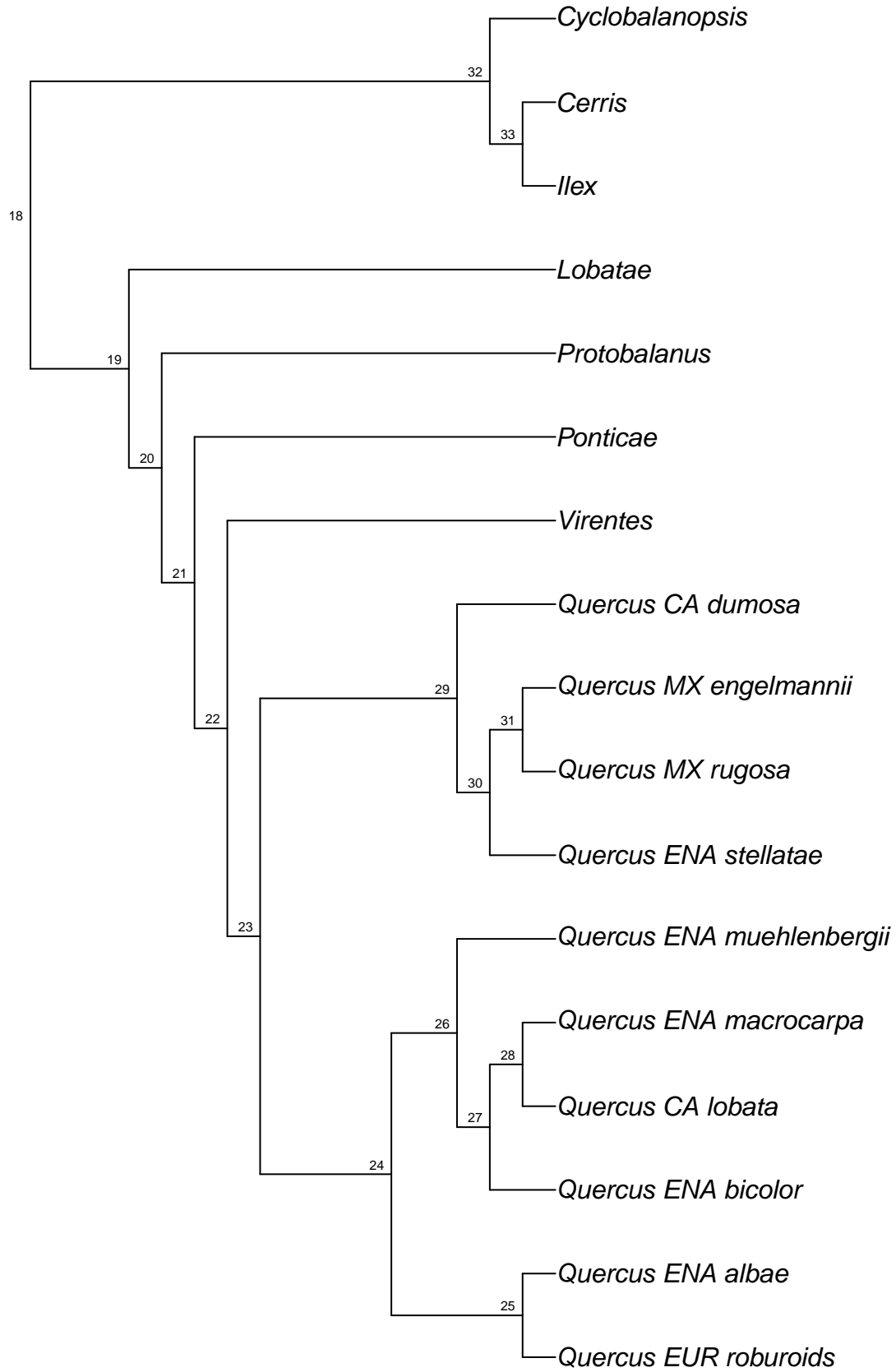


simRAD.simRAD\_Qvar\_raxml.bt077

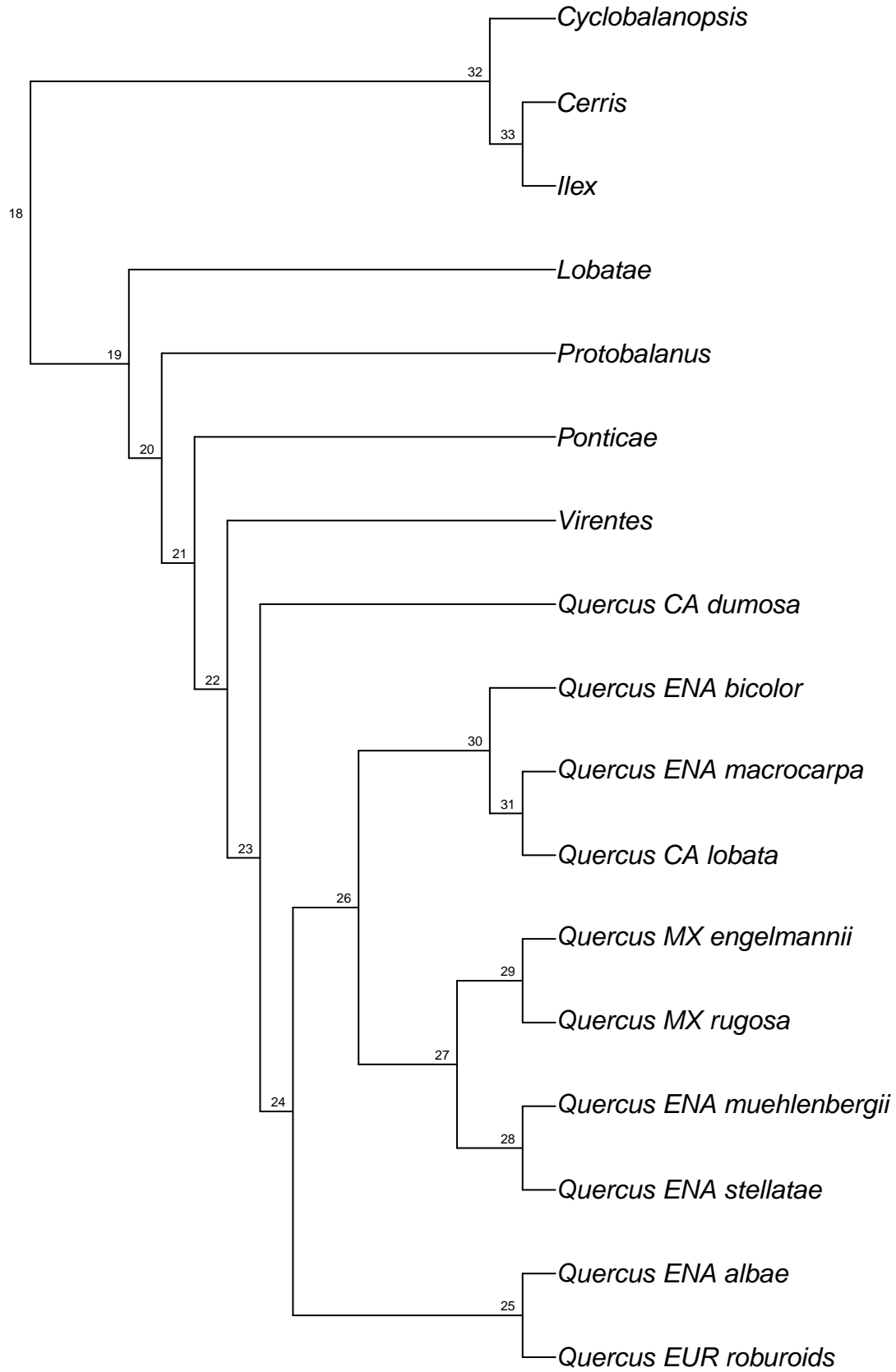




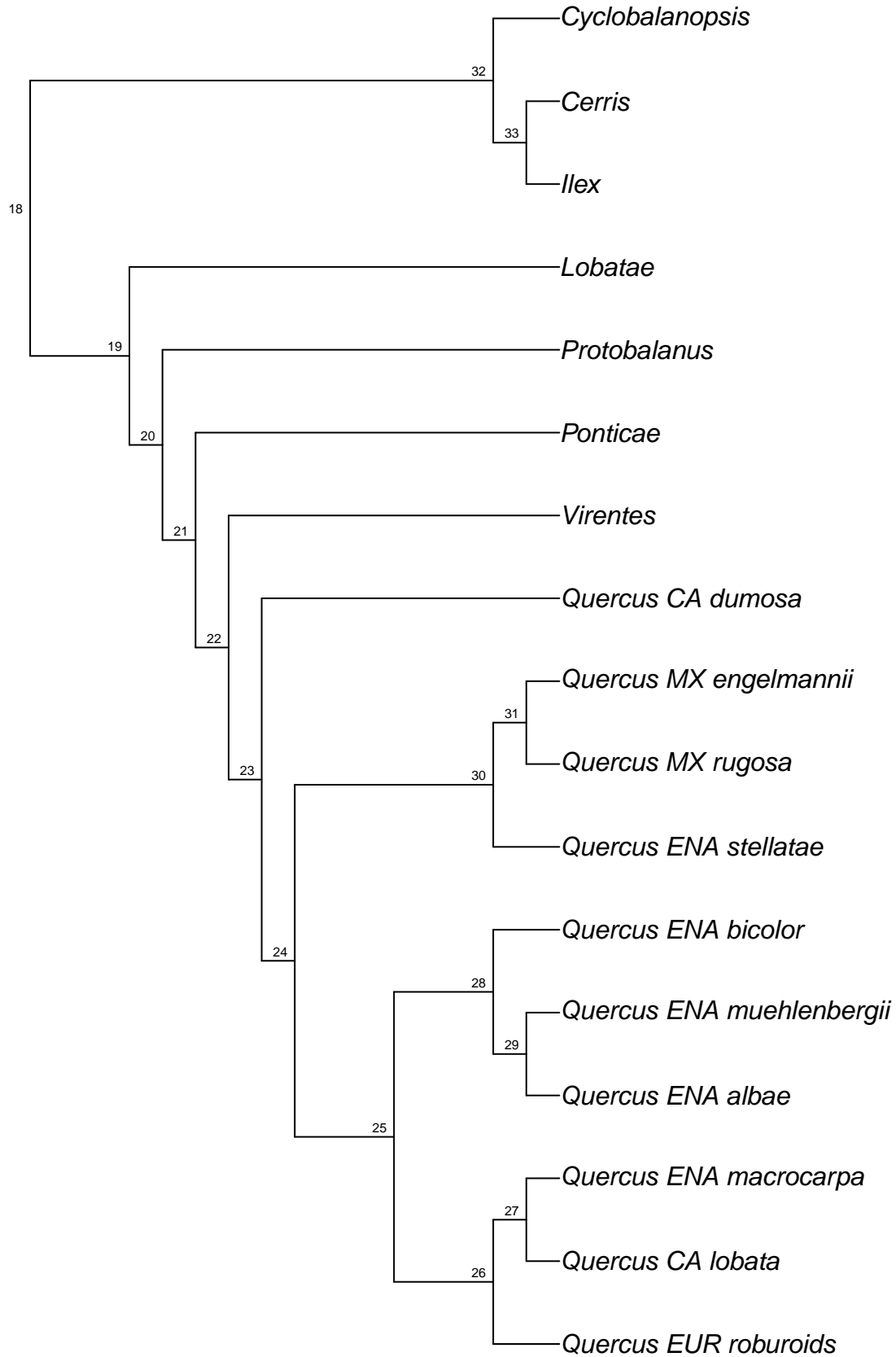
simRAD.simRAD\_Qvar\_raxml.bt078



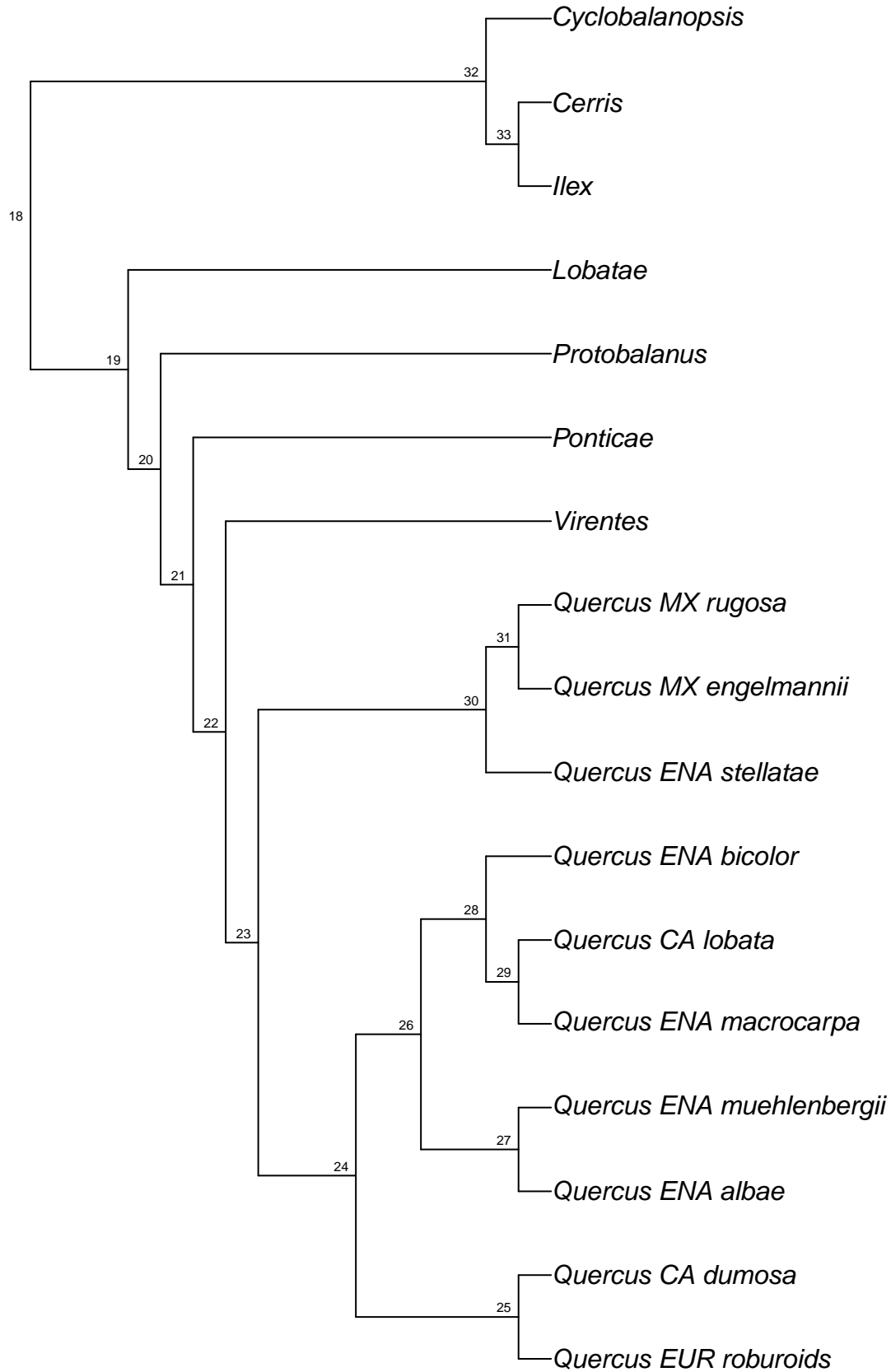
simRAD.simRAD\_Qvar\_raxml.bt079



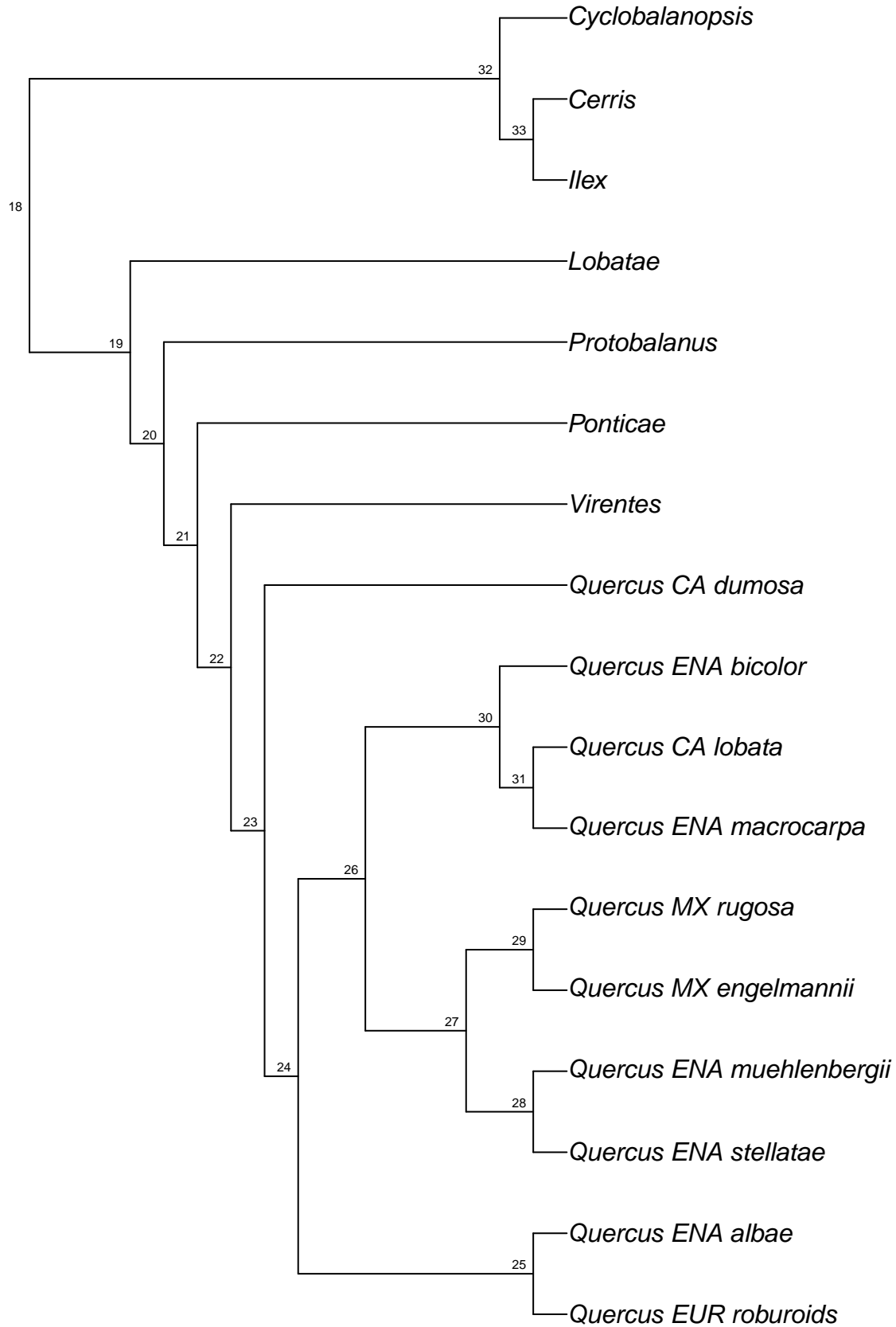
simRAD.simRAD\_Qvar\_raxml.bt080



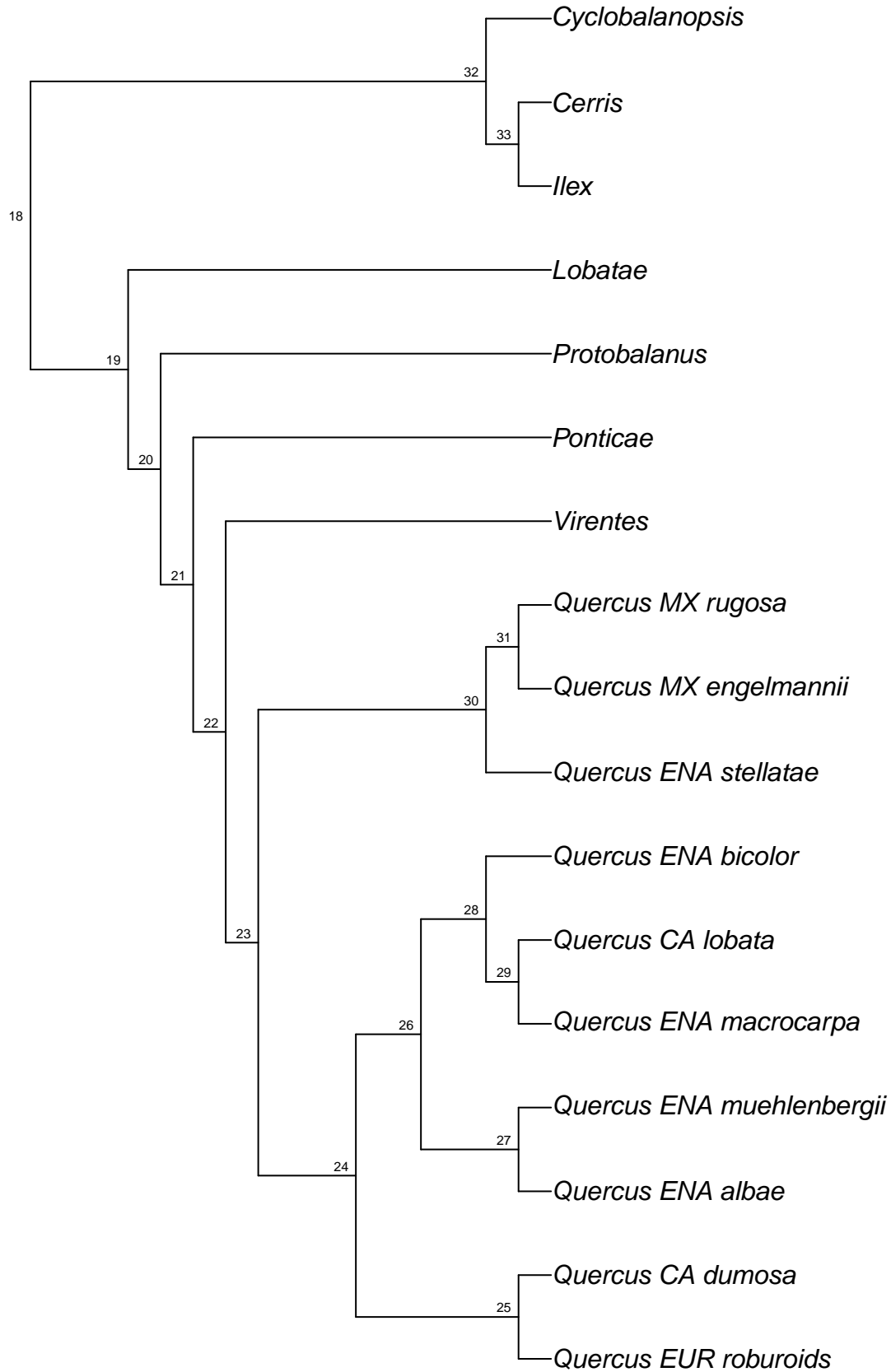
simRAD.simRAD\_Qvar\_raxml.bt081



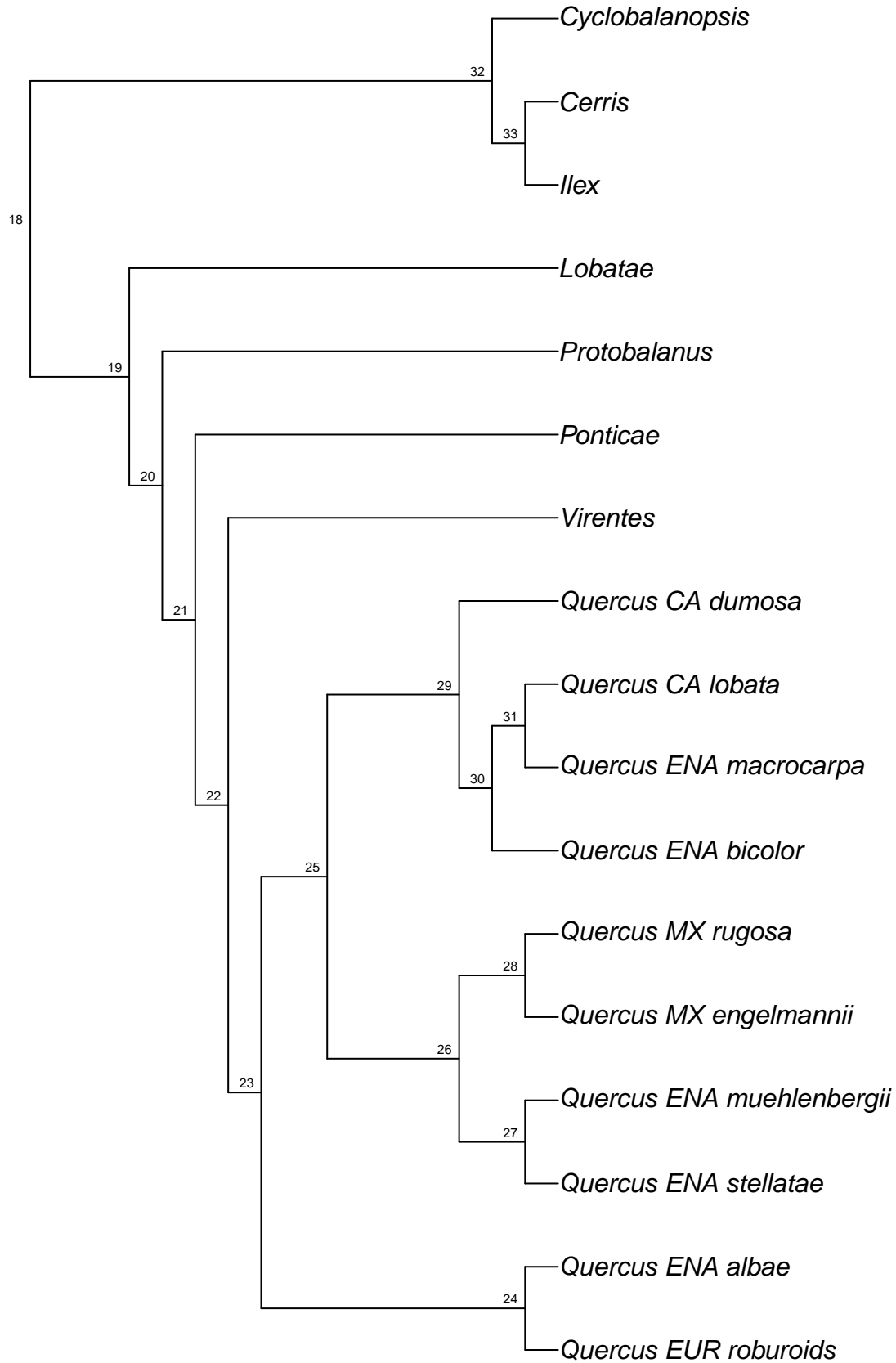
simRAD.simRAD\_Qvar\_raxml.bt082



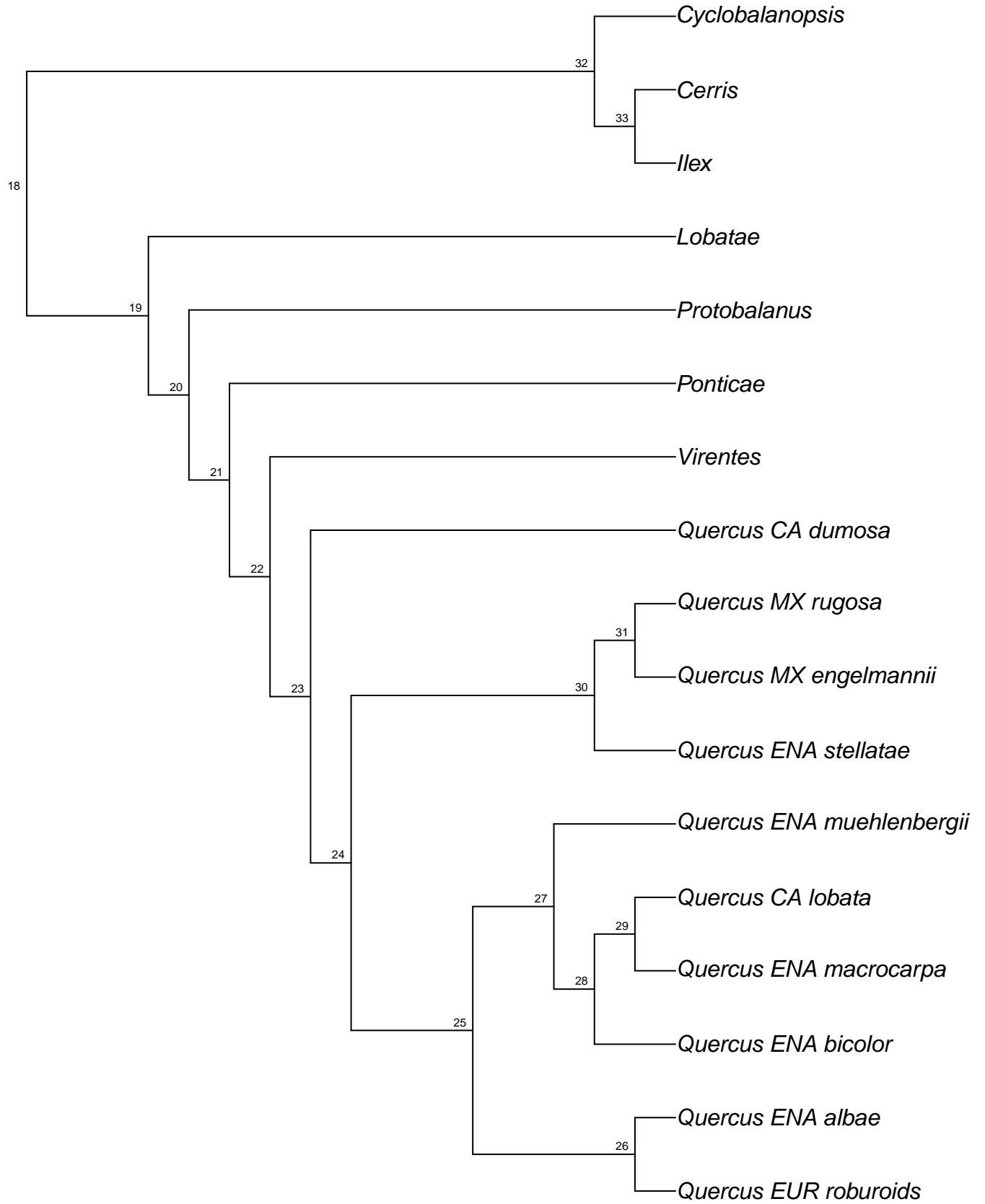
simRAD.simRAD\_Qvar\_raxml.bt083



**simRAD.simRAD\_Qvar\_raxml.bt084**

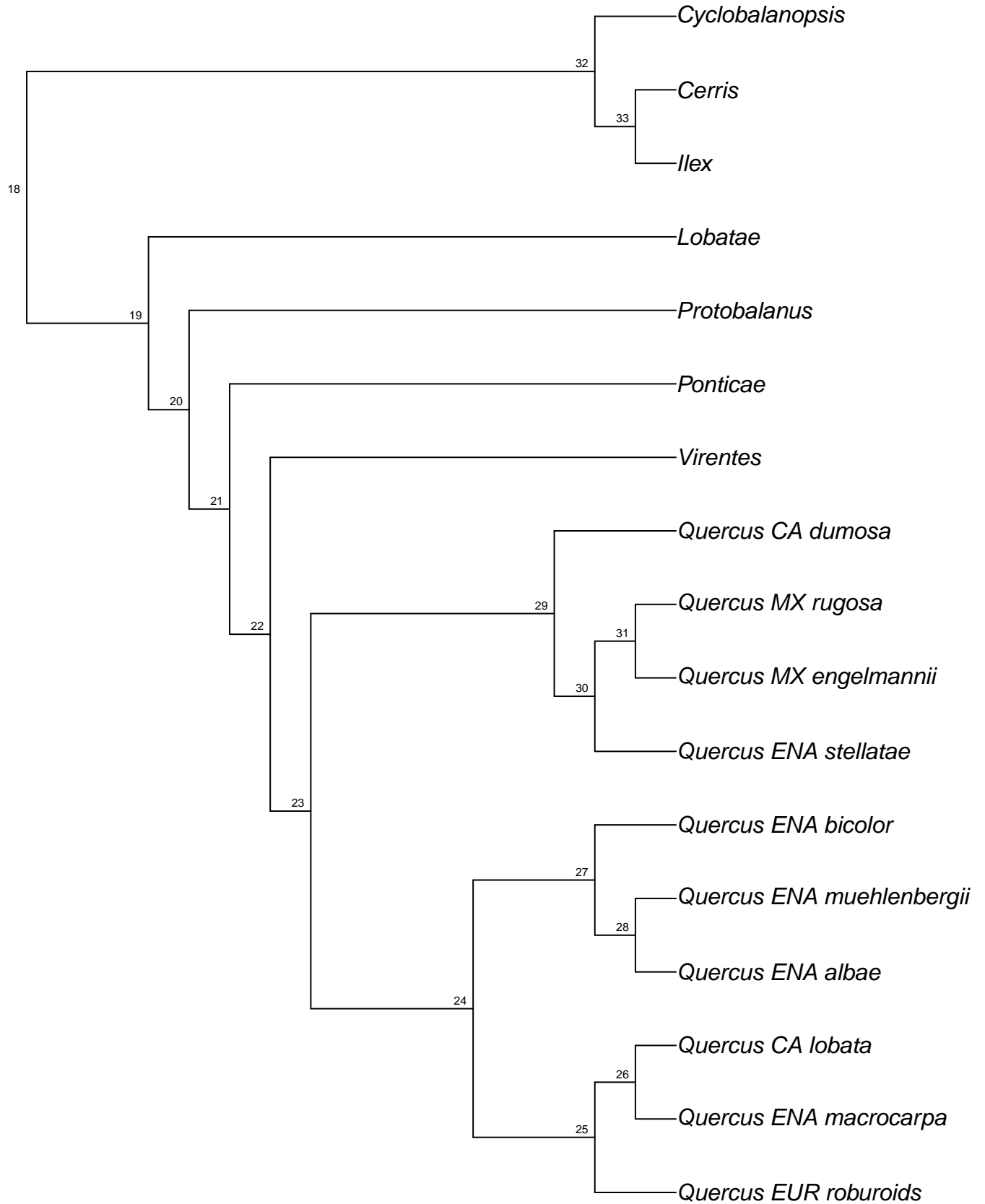


simRAD.simRAD\_Qvar\_raxml.bt085

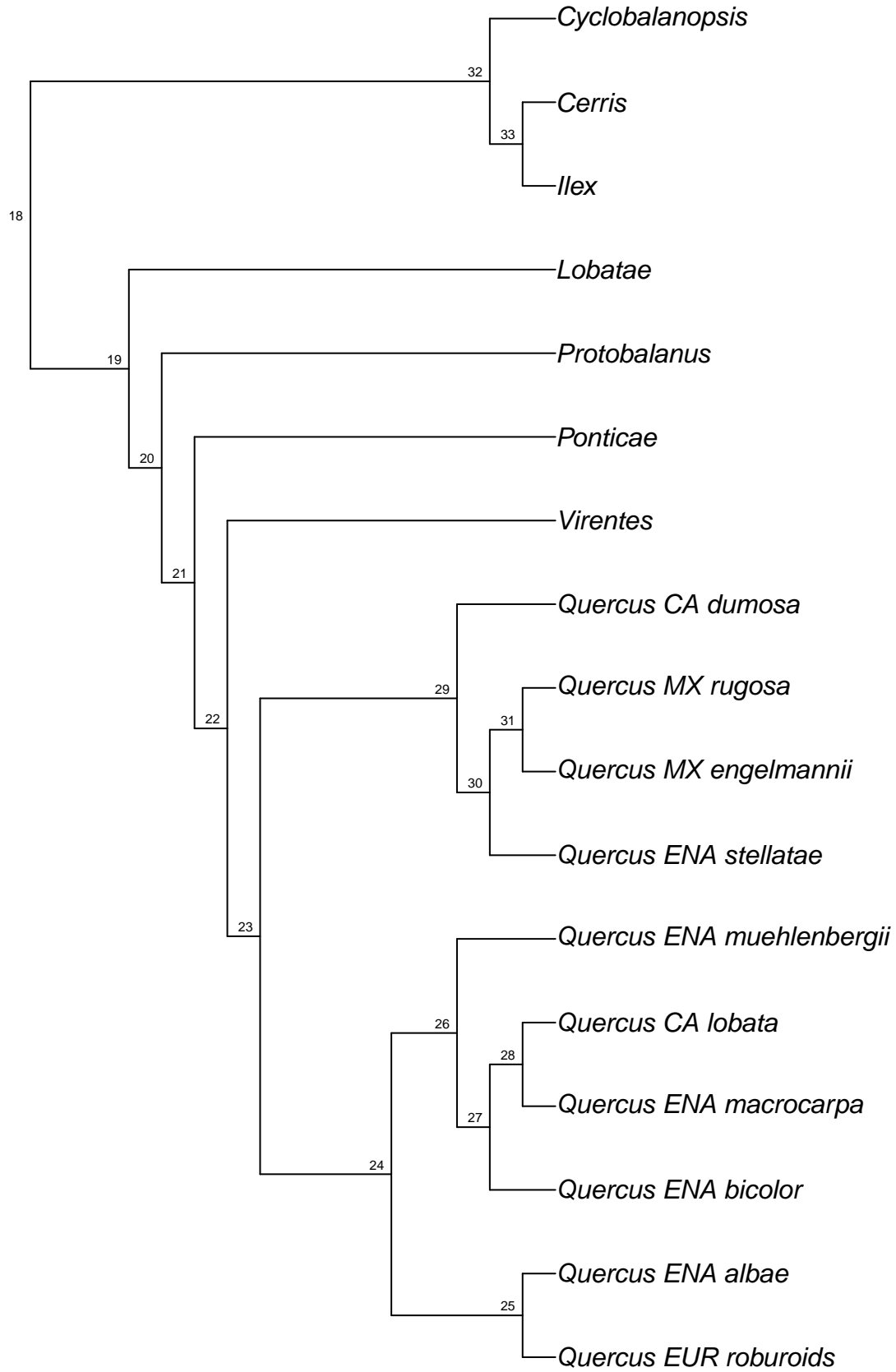




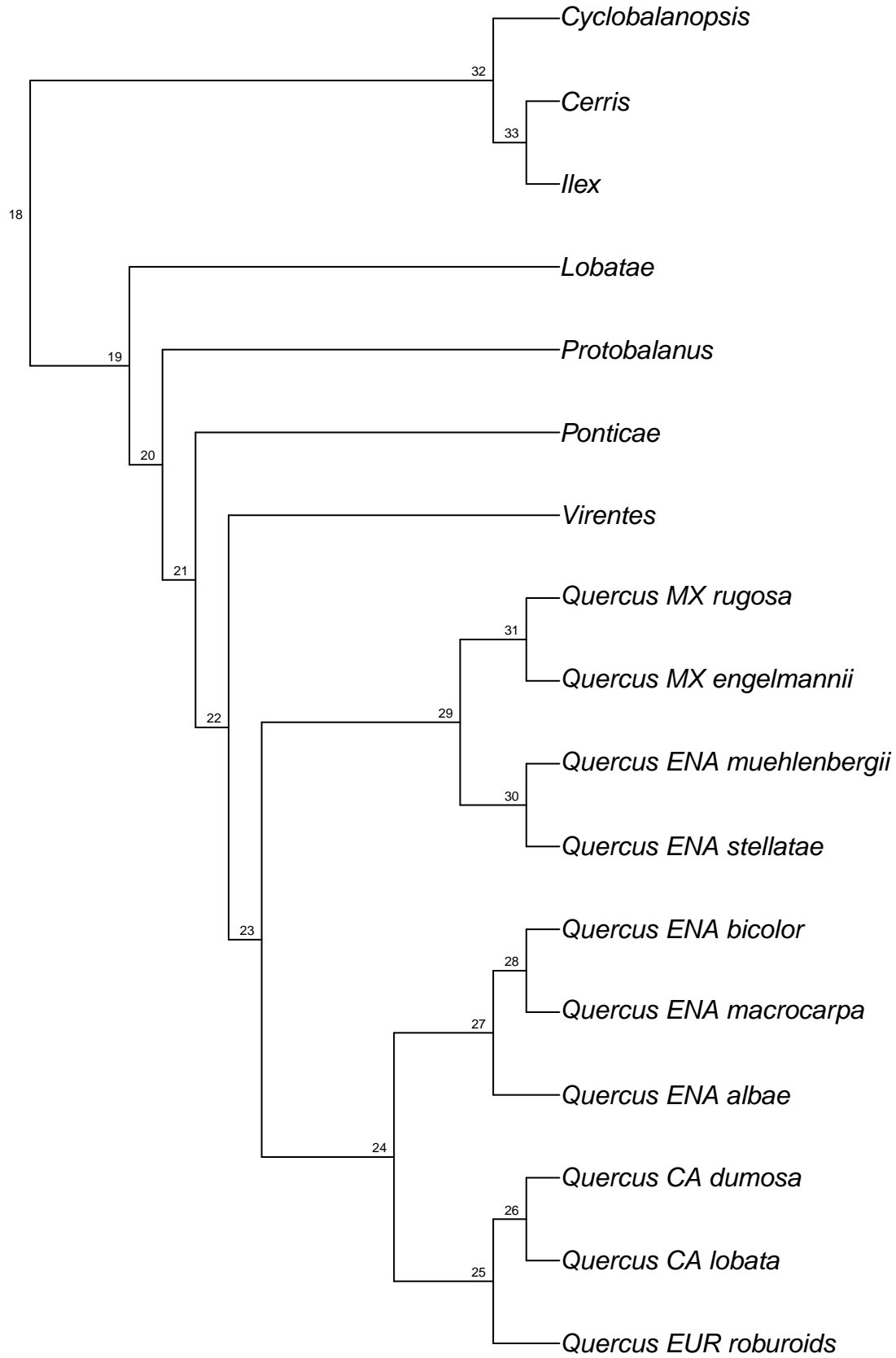
simRAD.simRAD\_Qvar\_raxml.bt086



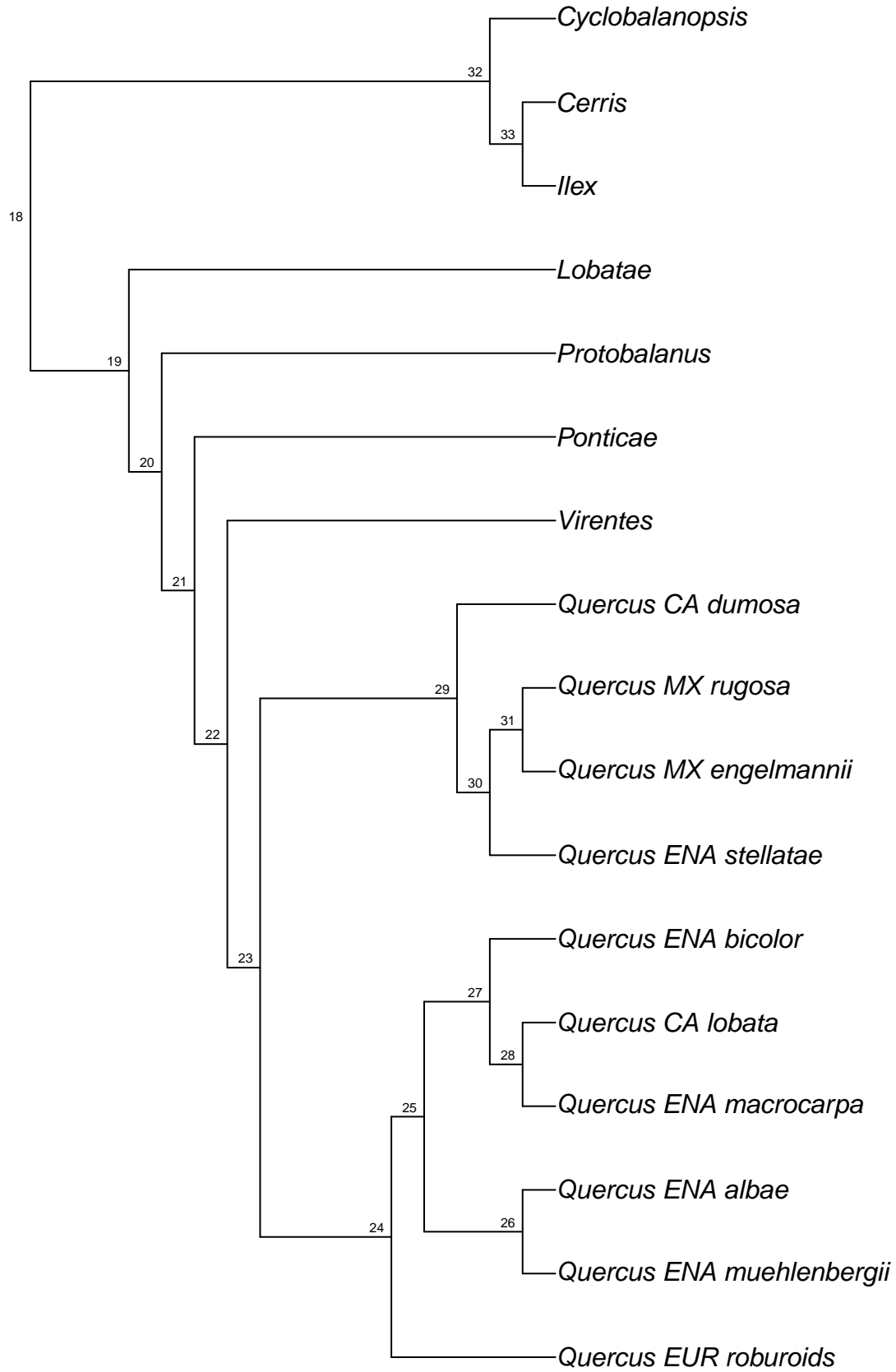
simRAD.simRAD\_Qvar\_raxml.bt087



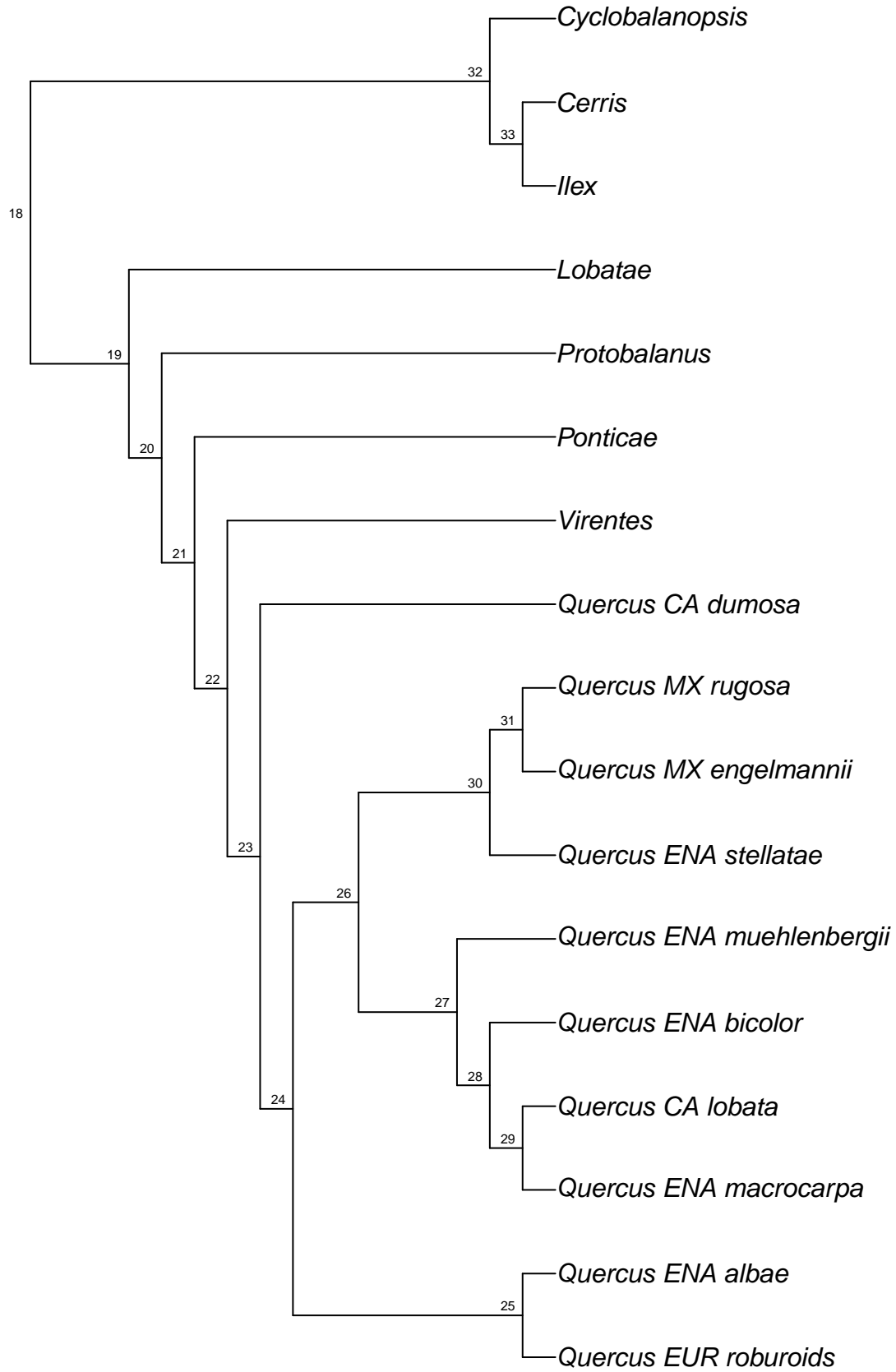
simRAD.simRAD\_Qvar\_raxml.bt088



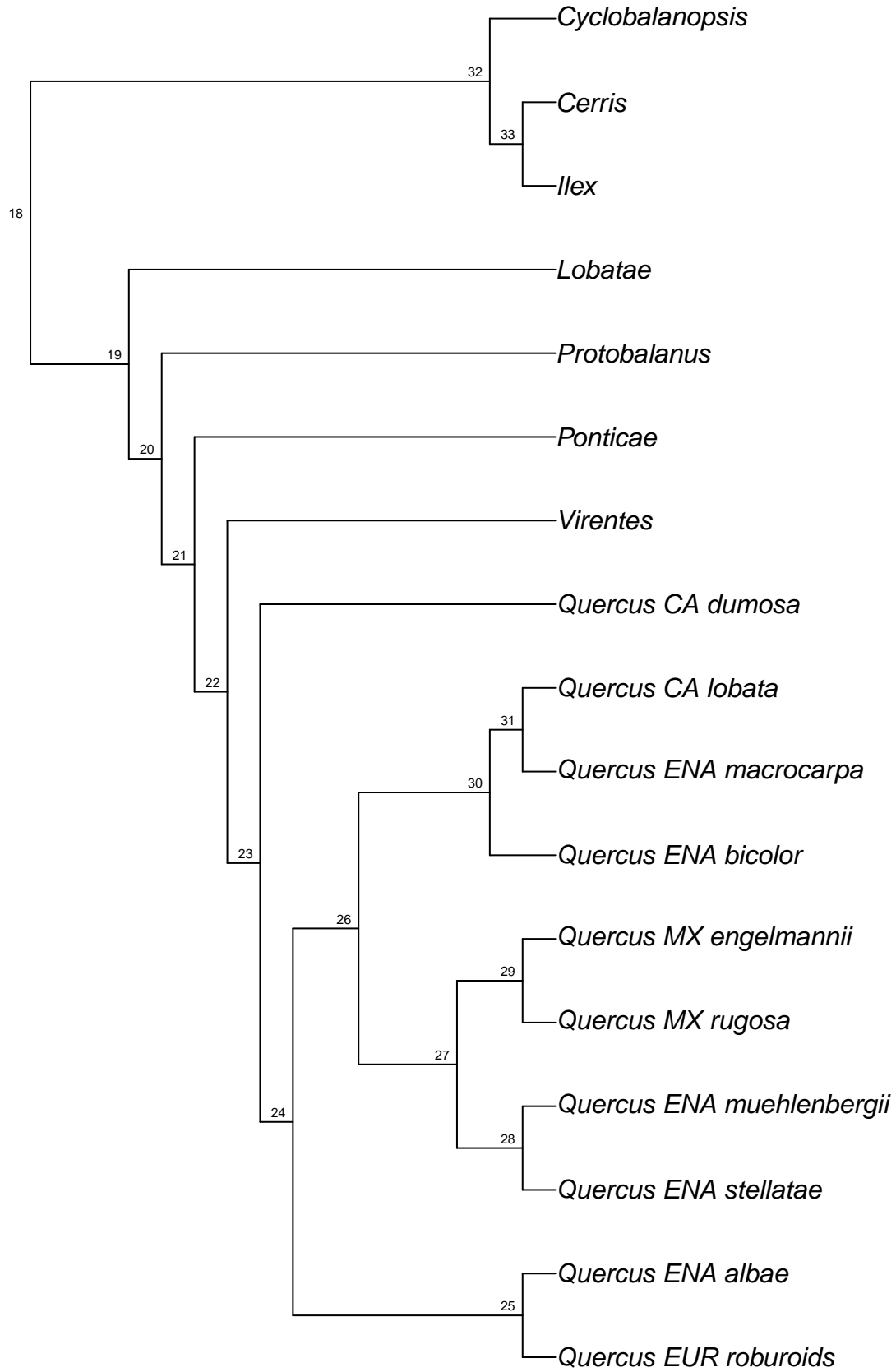
simRAD.simRAD\_Qvar\_raxml.bt089



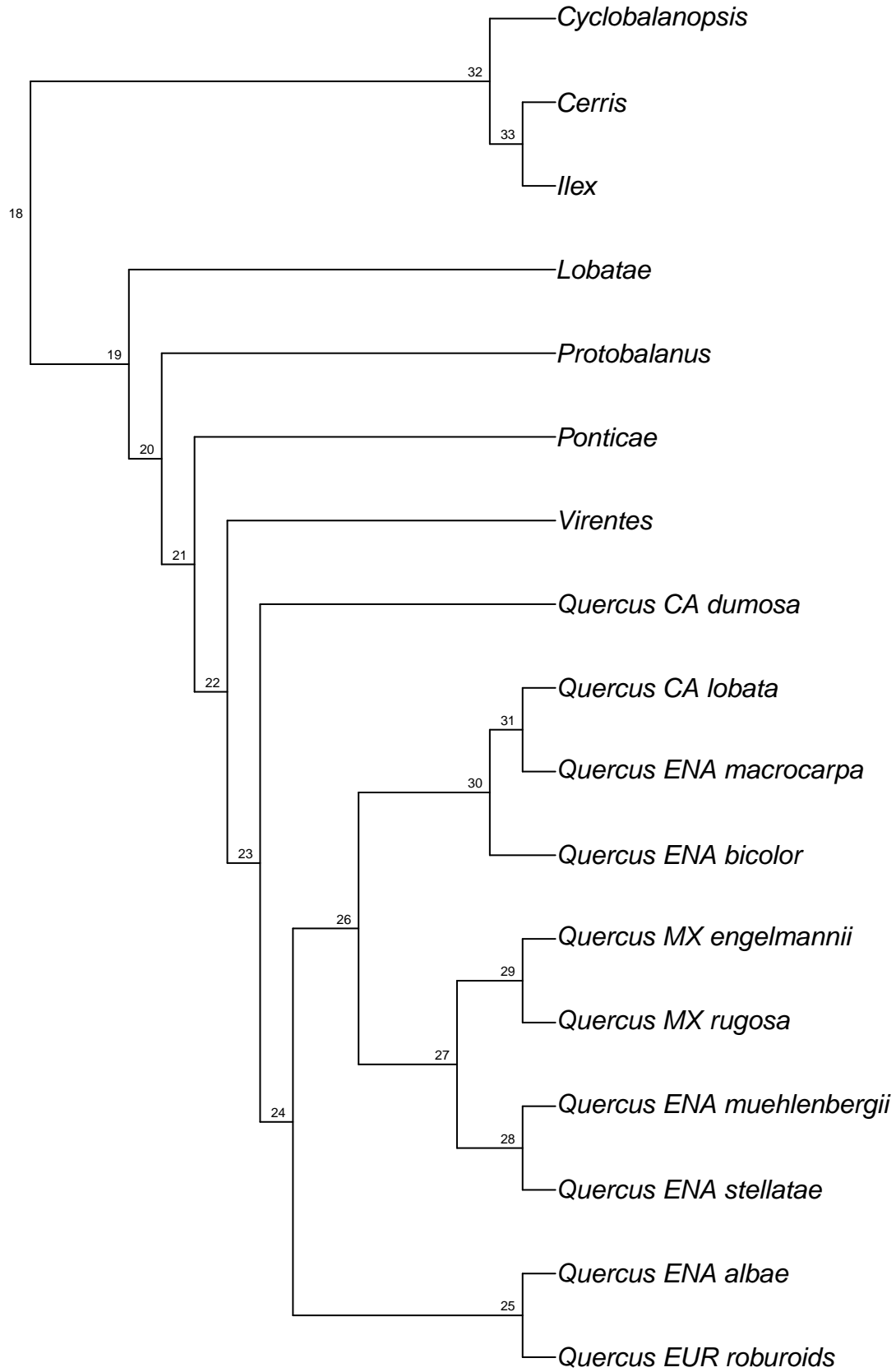
simRAD.simRAD\_Qvar\_raxml.bt090



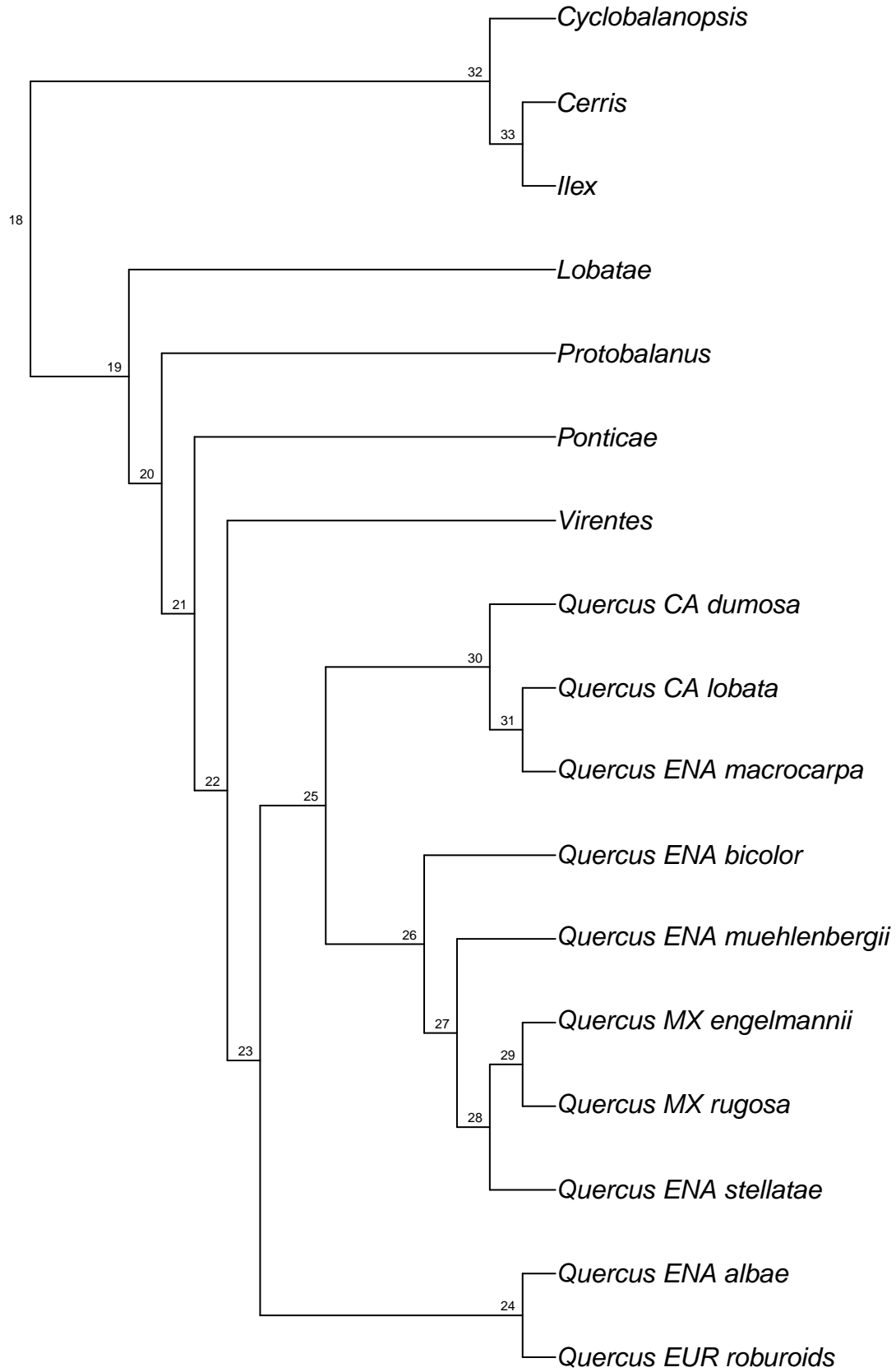
simRAD.simRAD\_Qvar\_raxml.bt091



simRAD.simRAD\_Qvar\_raxml.bt092

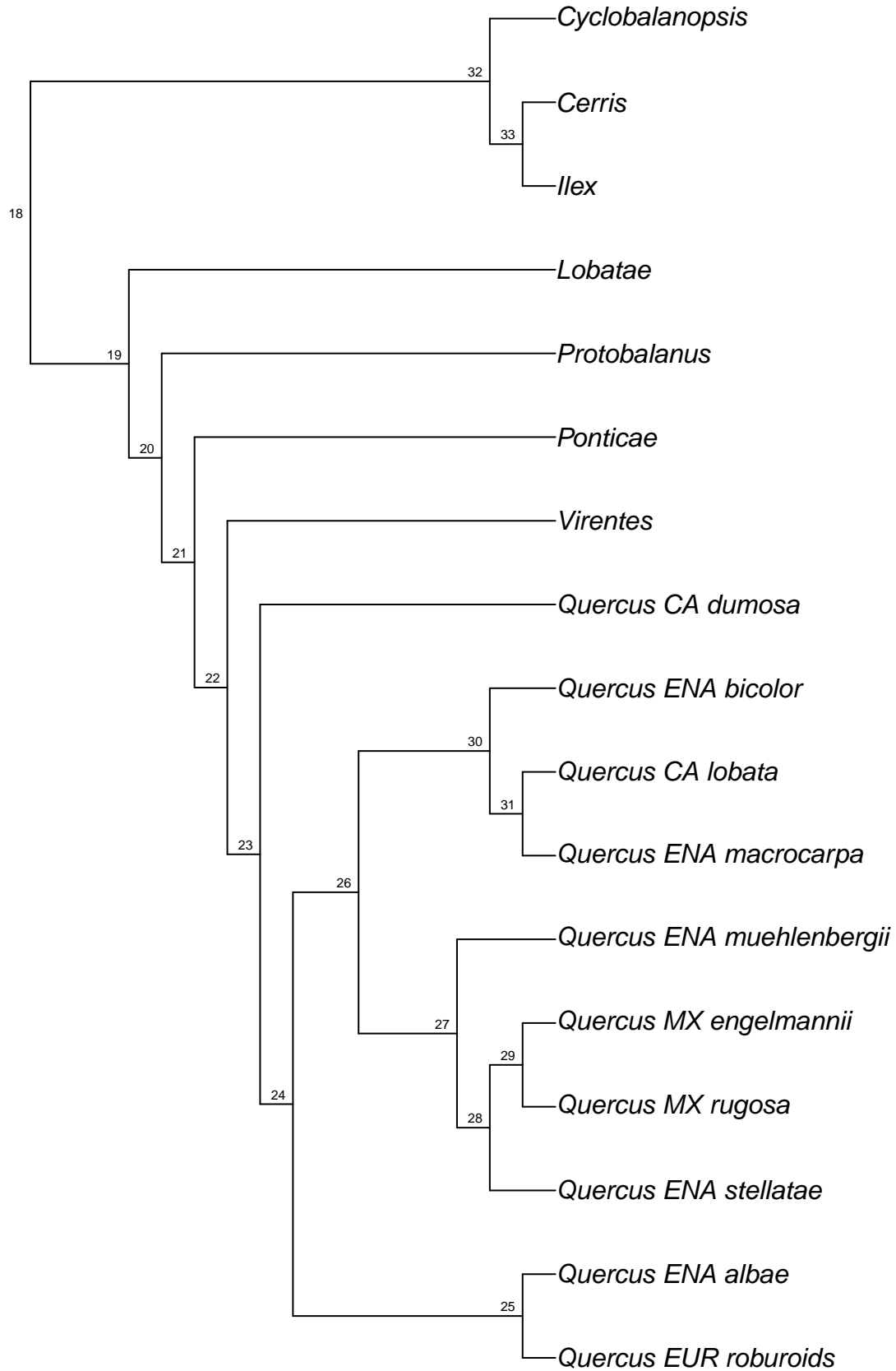


simRAD.simRAD\_Qvar\_raxml.bt093

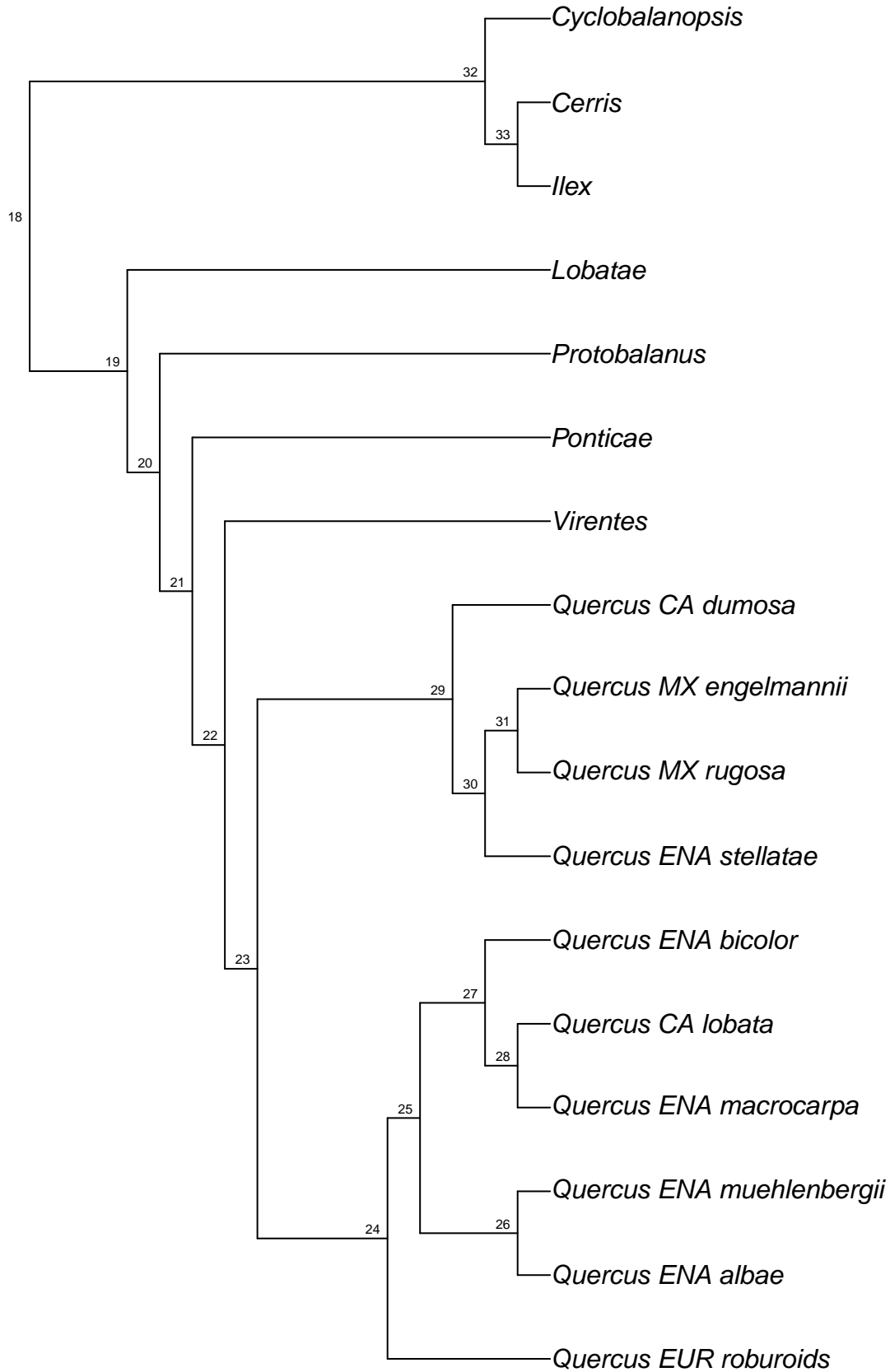




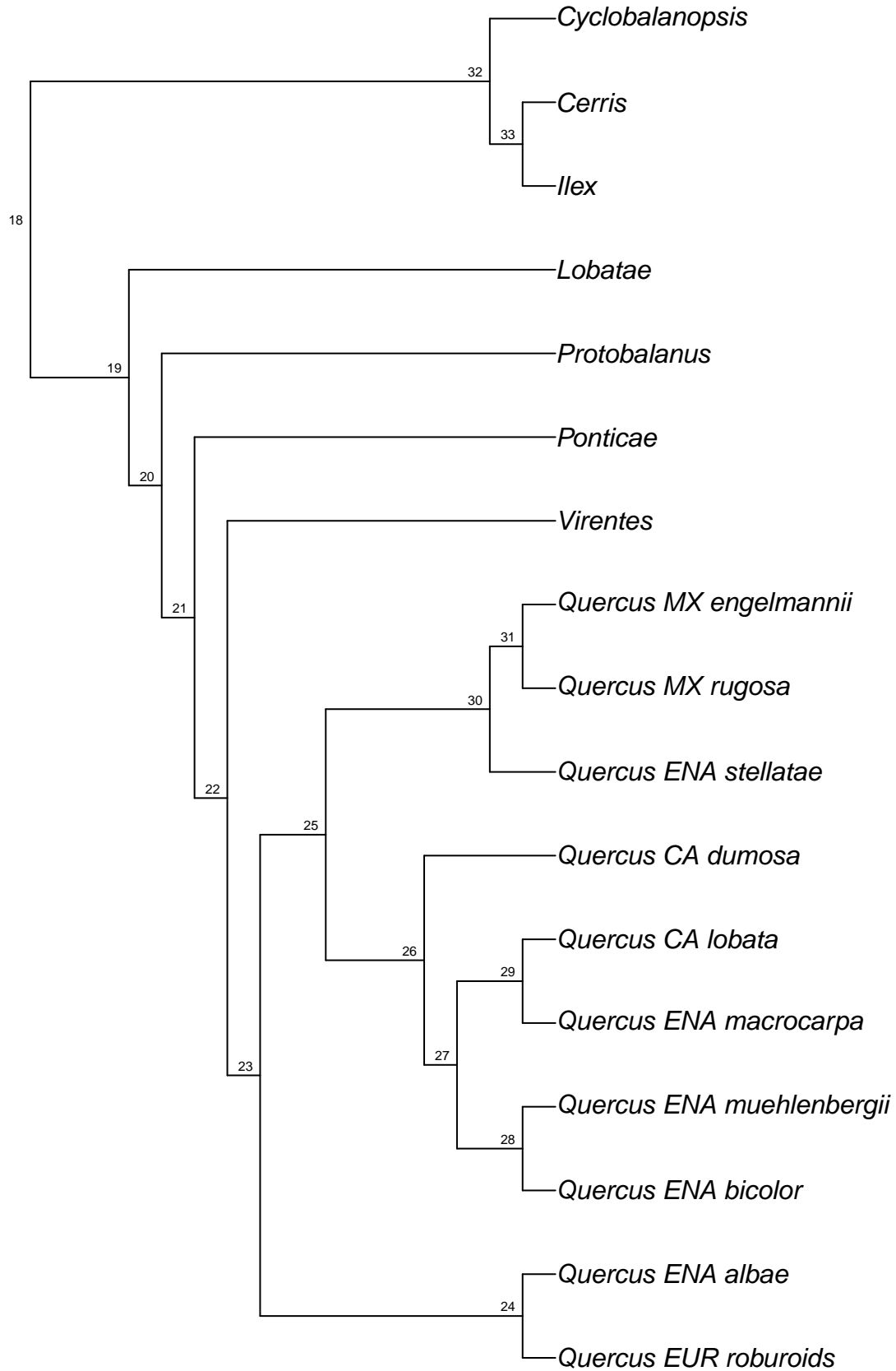
simRAD.simRAD\_Qvar\_raxml.bt094



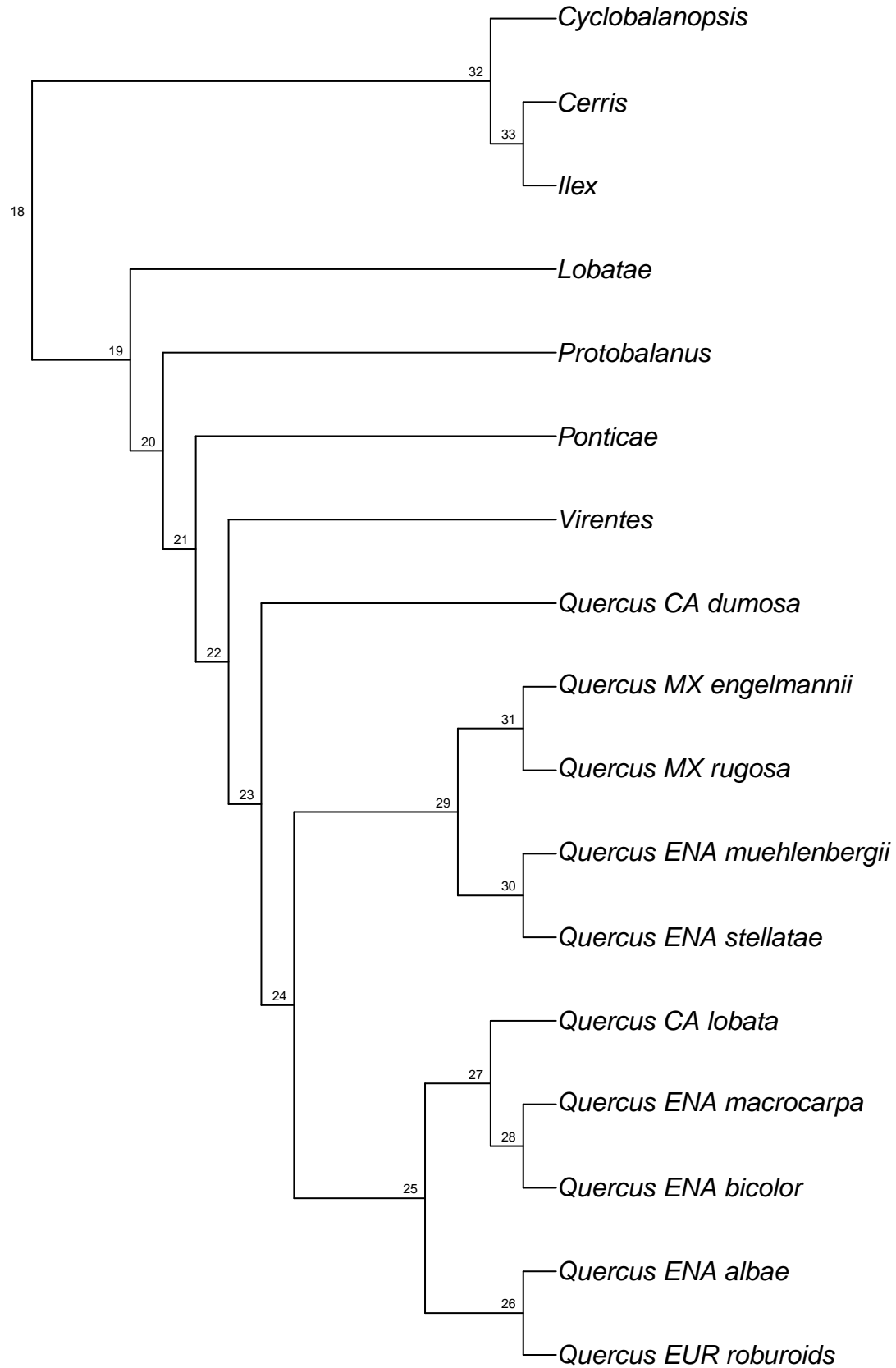
simRAD.simRAD\_Qvar\_raxml.bt095



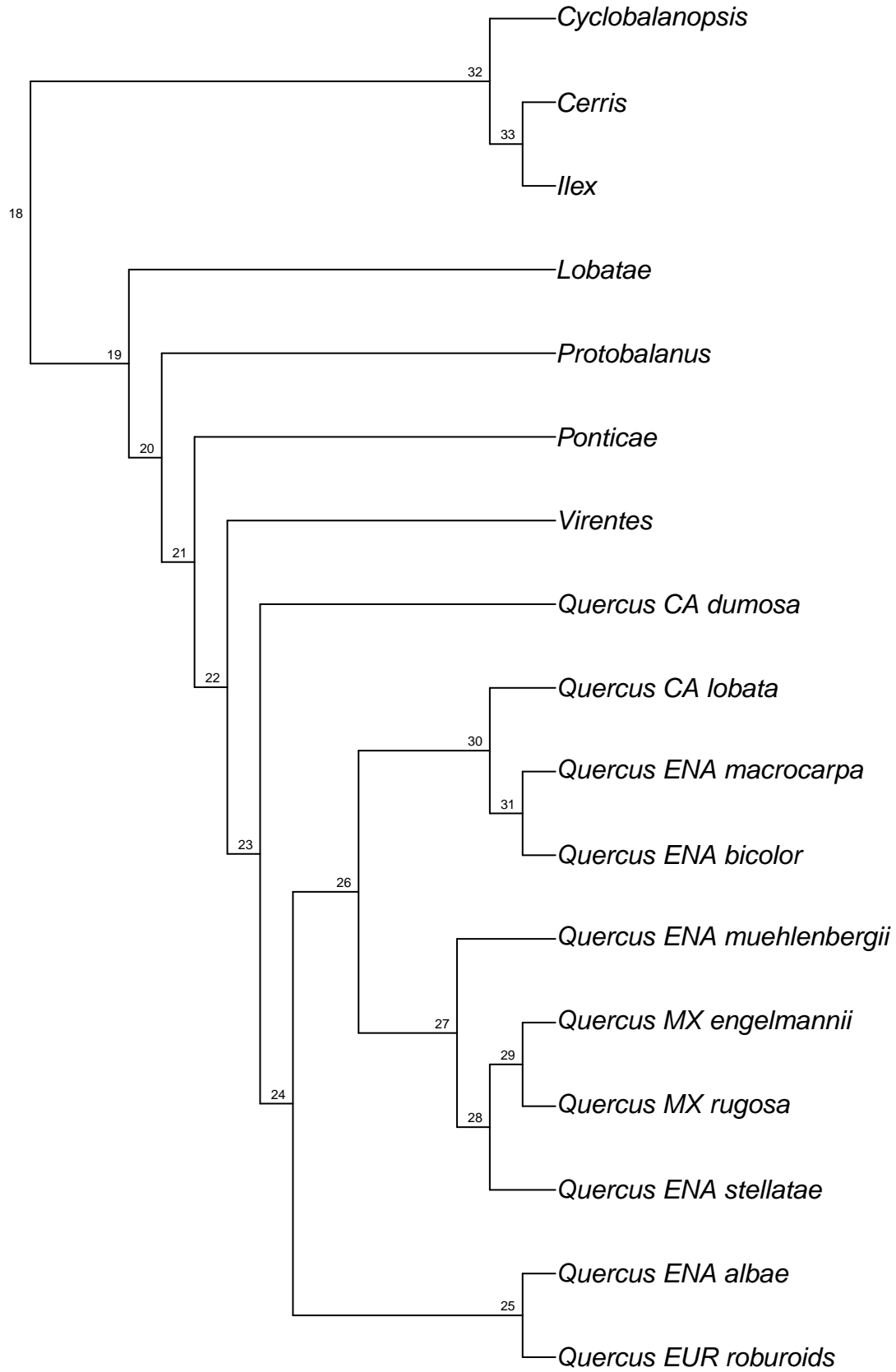
simRAD.simRAD\_Qvar\_raxml.bt096



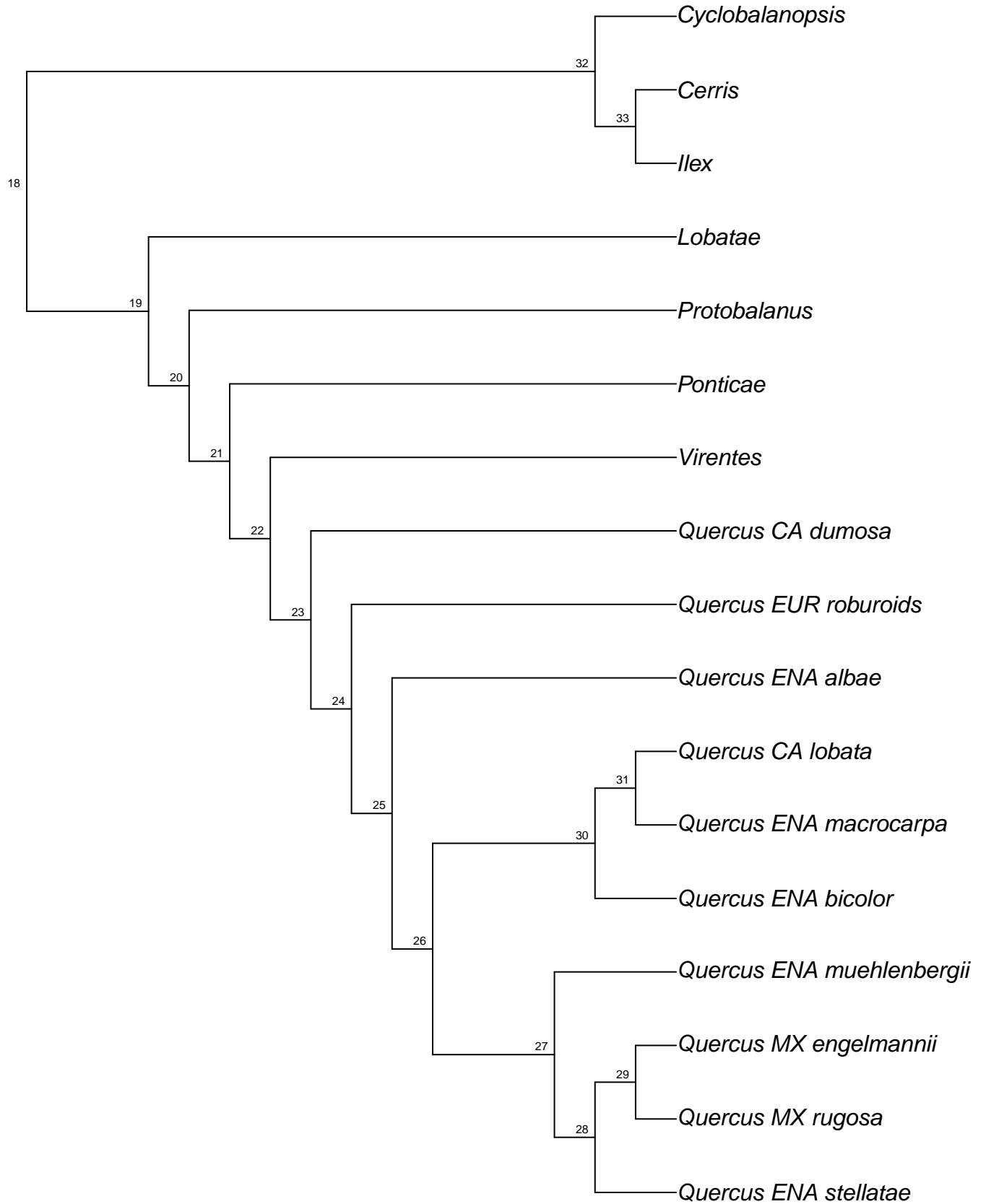
simRAD.simRAD\_Qvar\_raxml.bt097



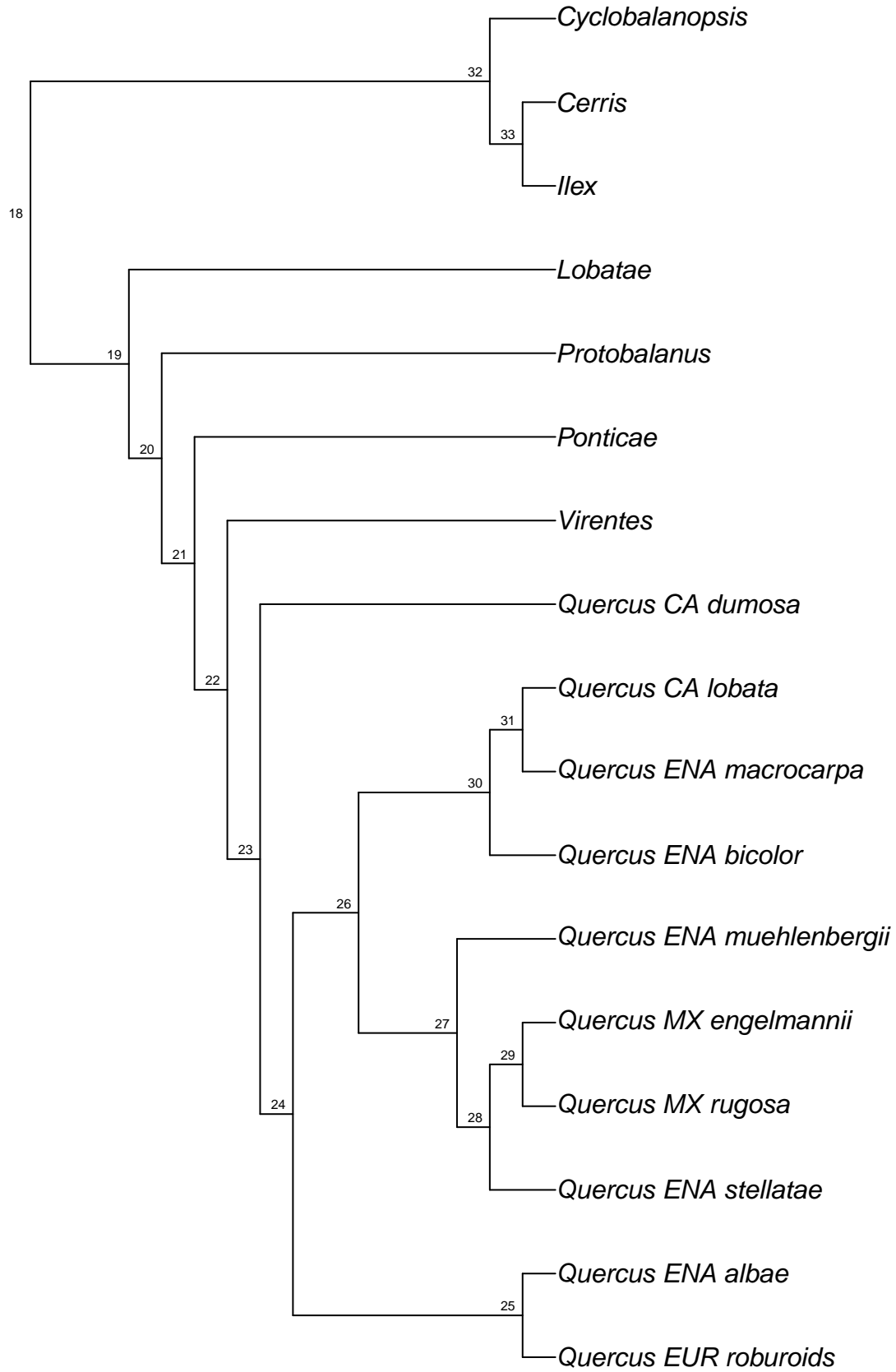
simRAD.simRAD\_Qvar\_raxml.bt098



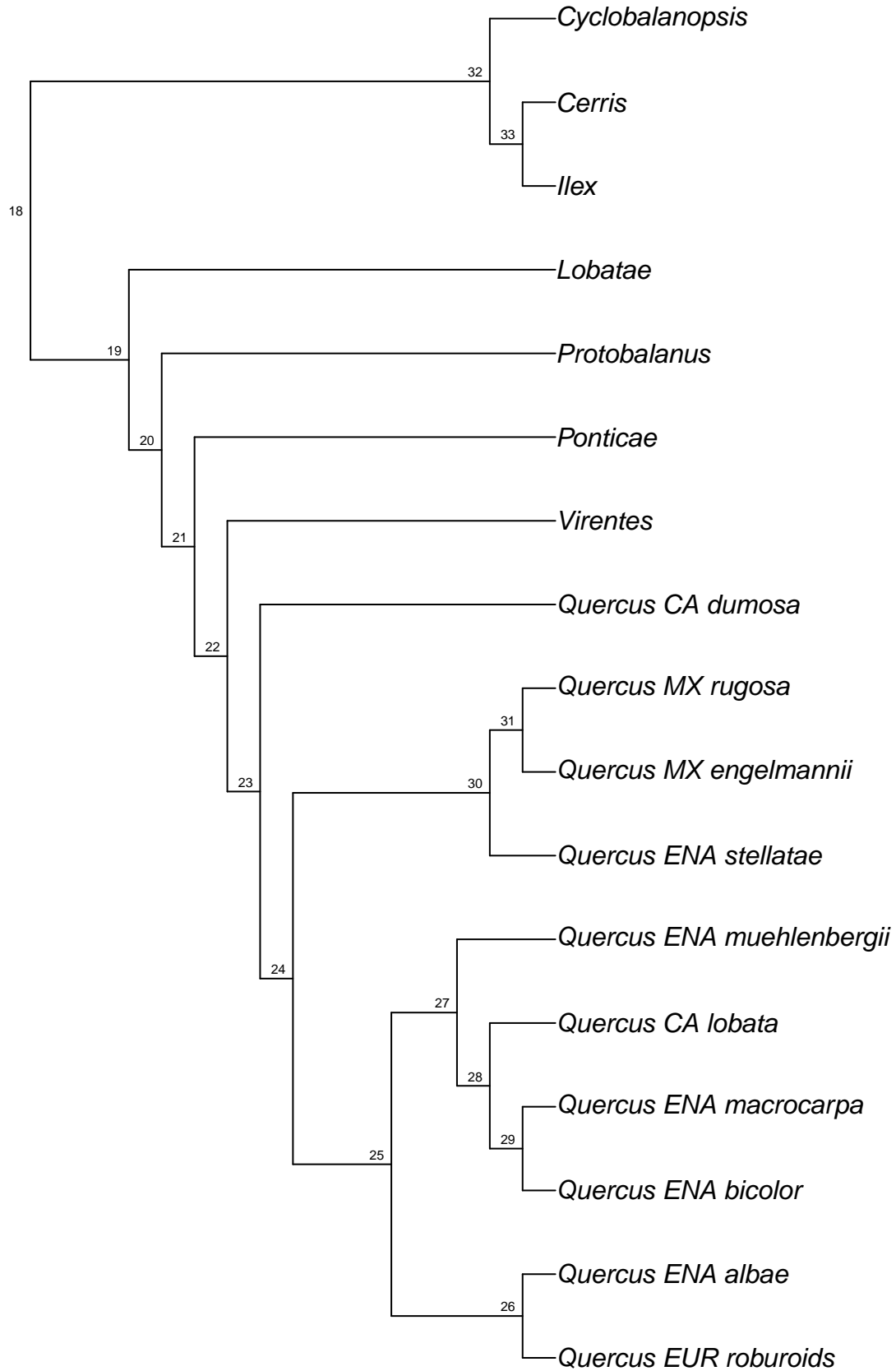
simRAD.simRAD\_Qvar\_raxml.bt099



simRAD.simRAD\_Qvar\_raxml.bt100

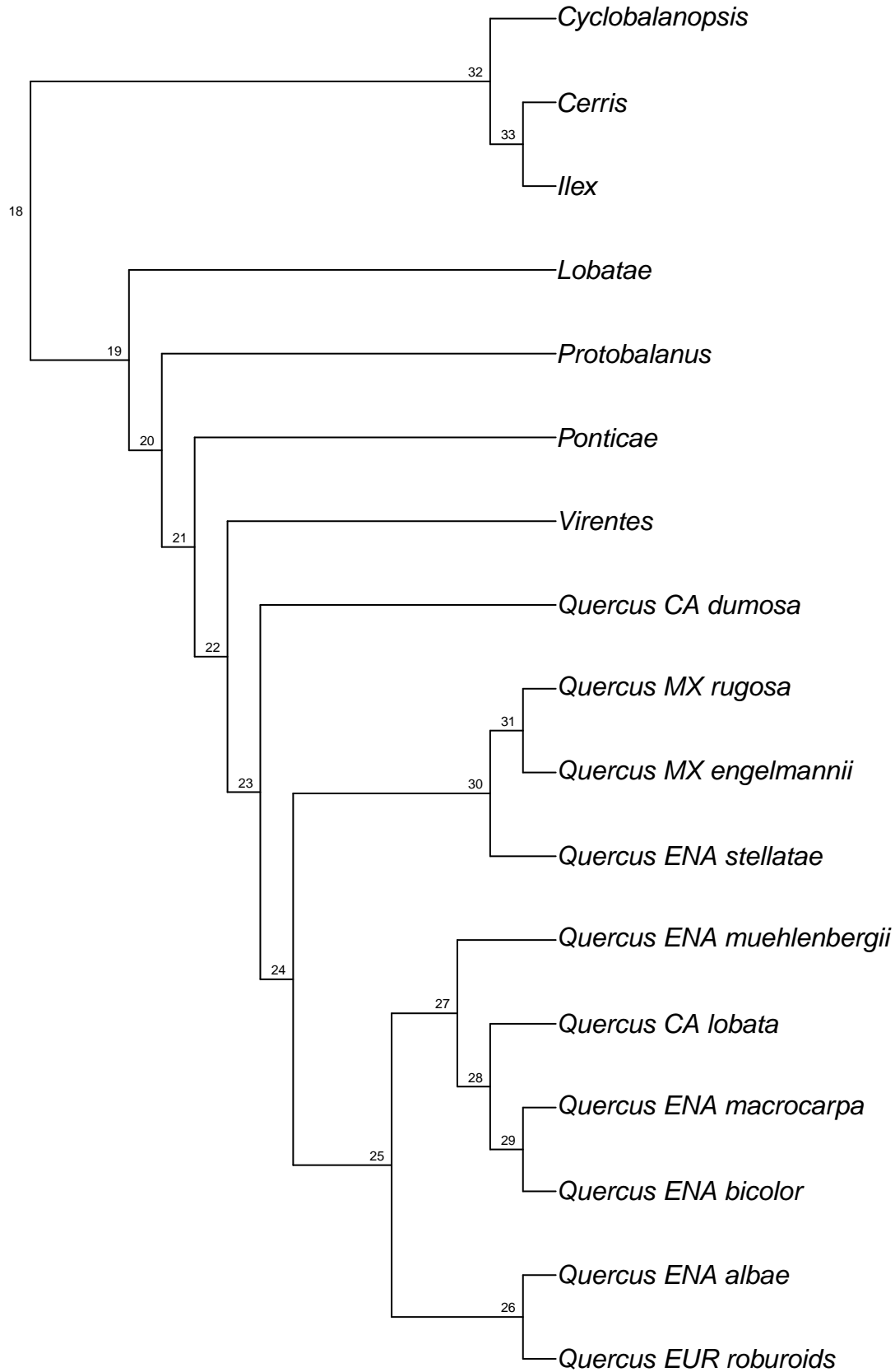


reSeq.reseq\_Qalba.bt001

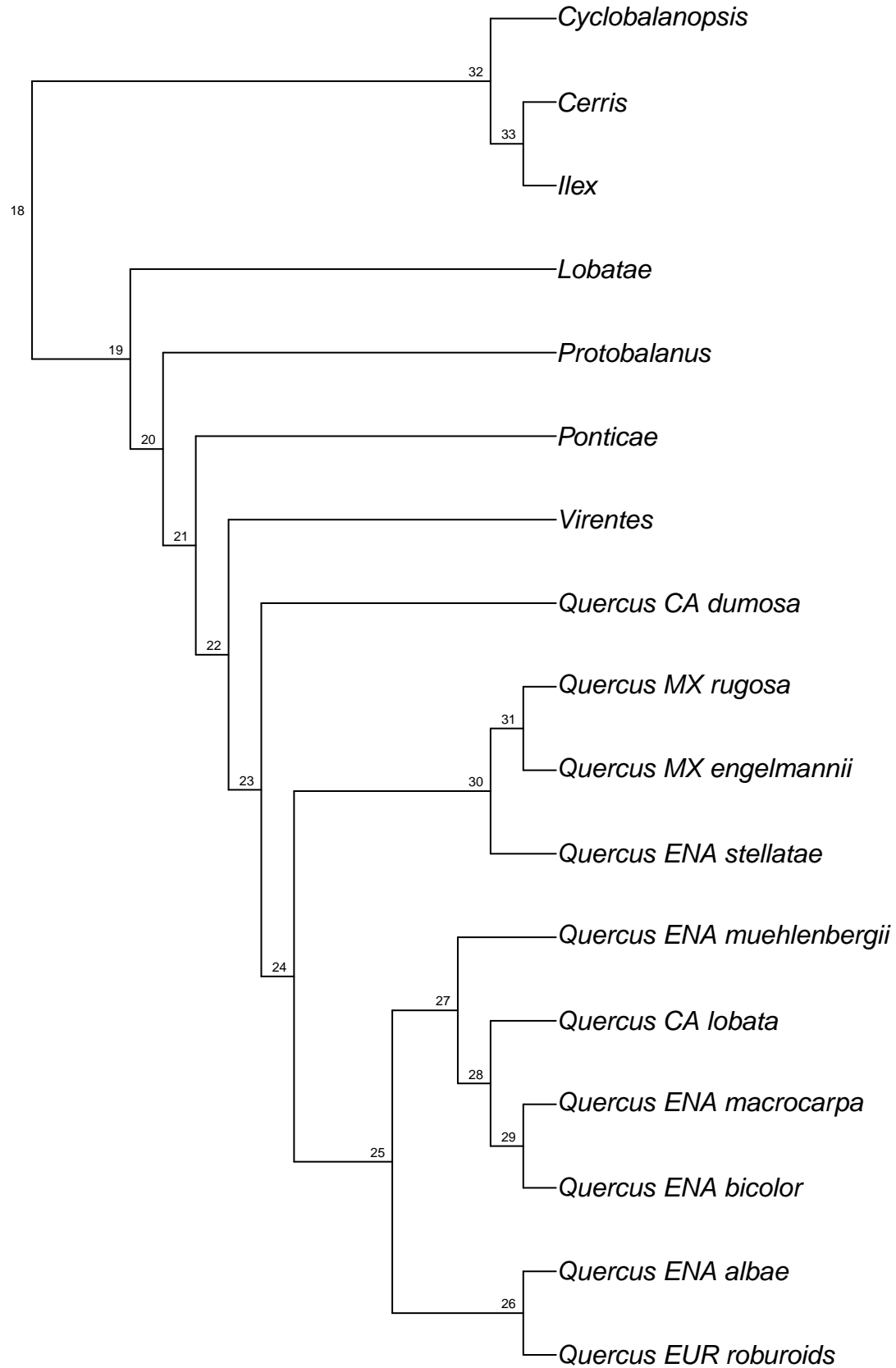




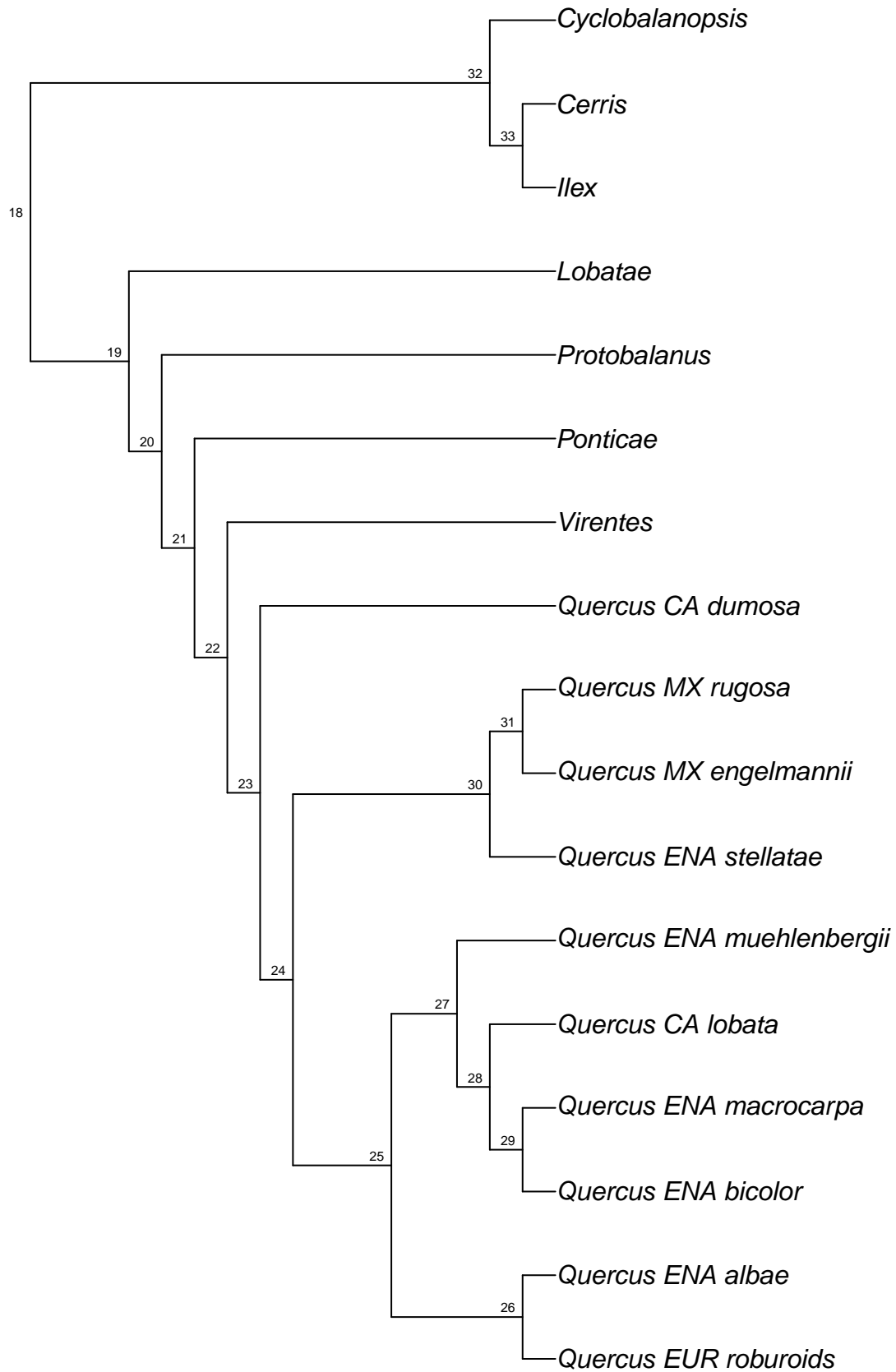
# reSeq.reseq\_Qalba.bt002



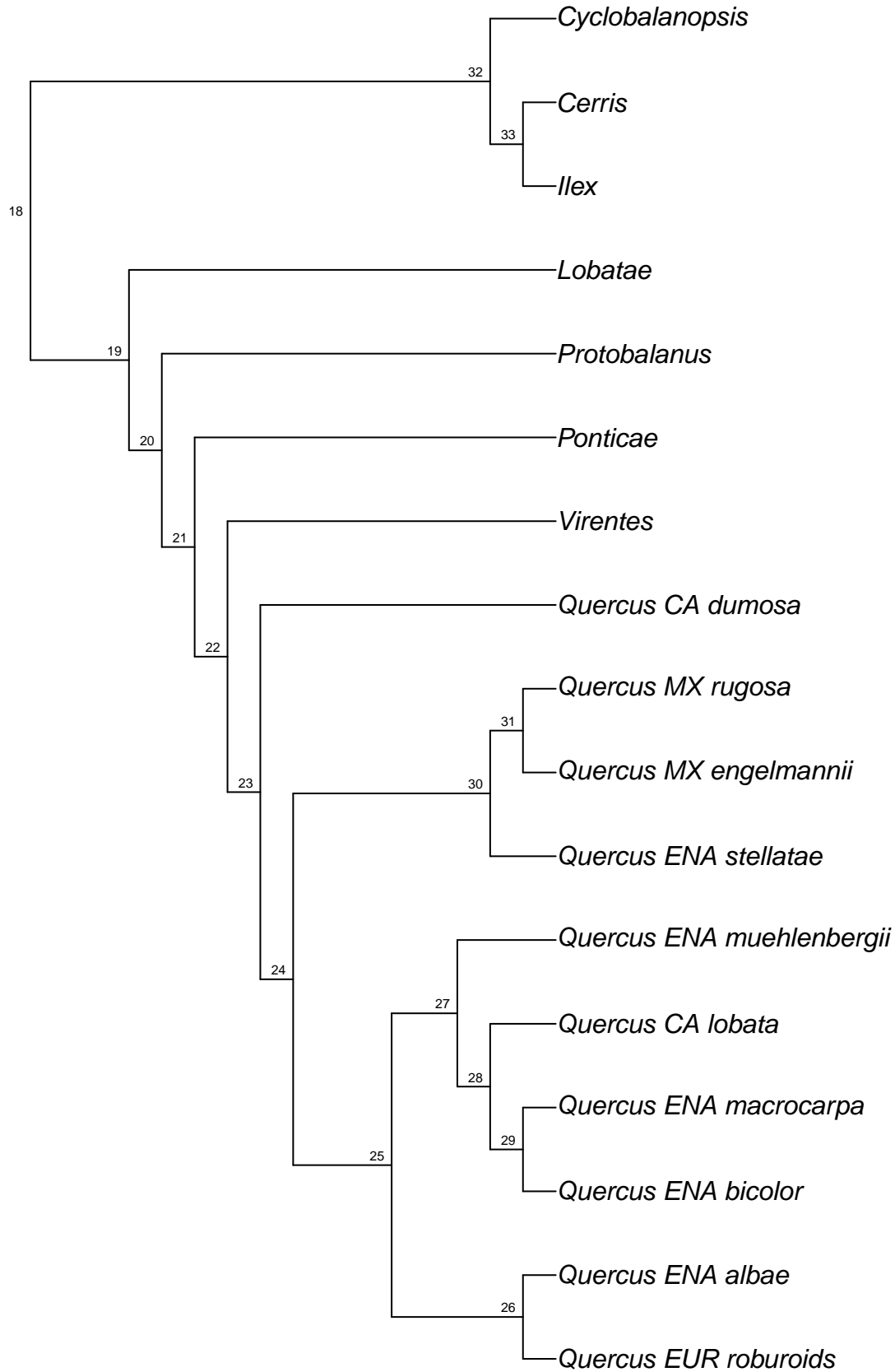
# reSeq.reseq\_Qalba.bt003



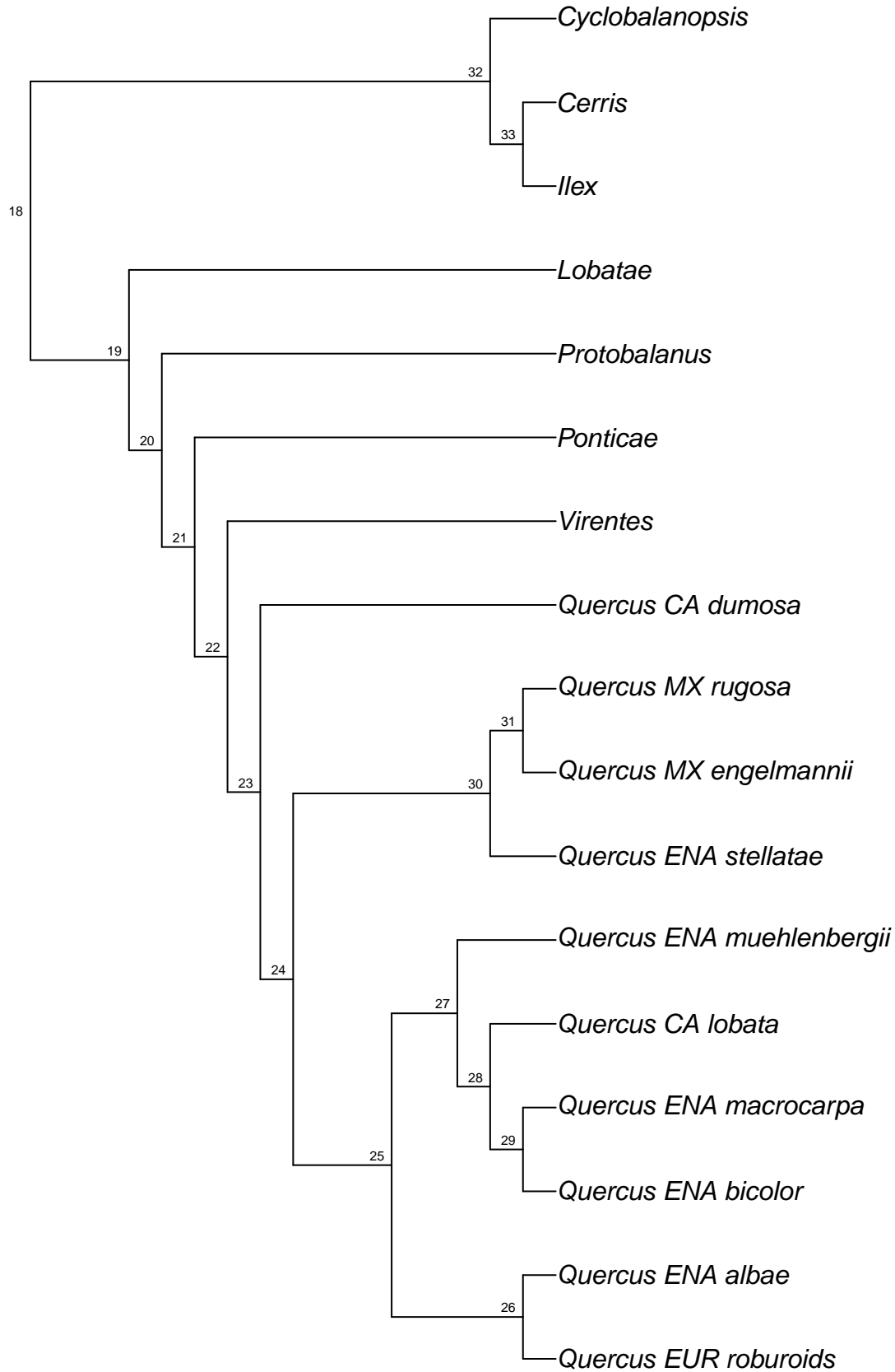
## reSeq.reseq\_Qalba.bt004



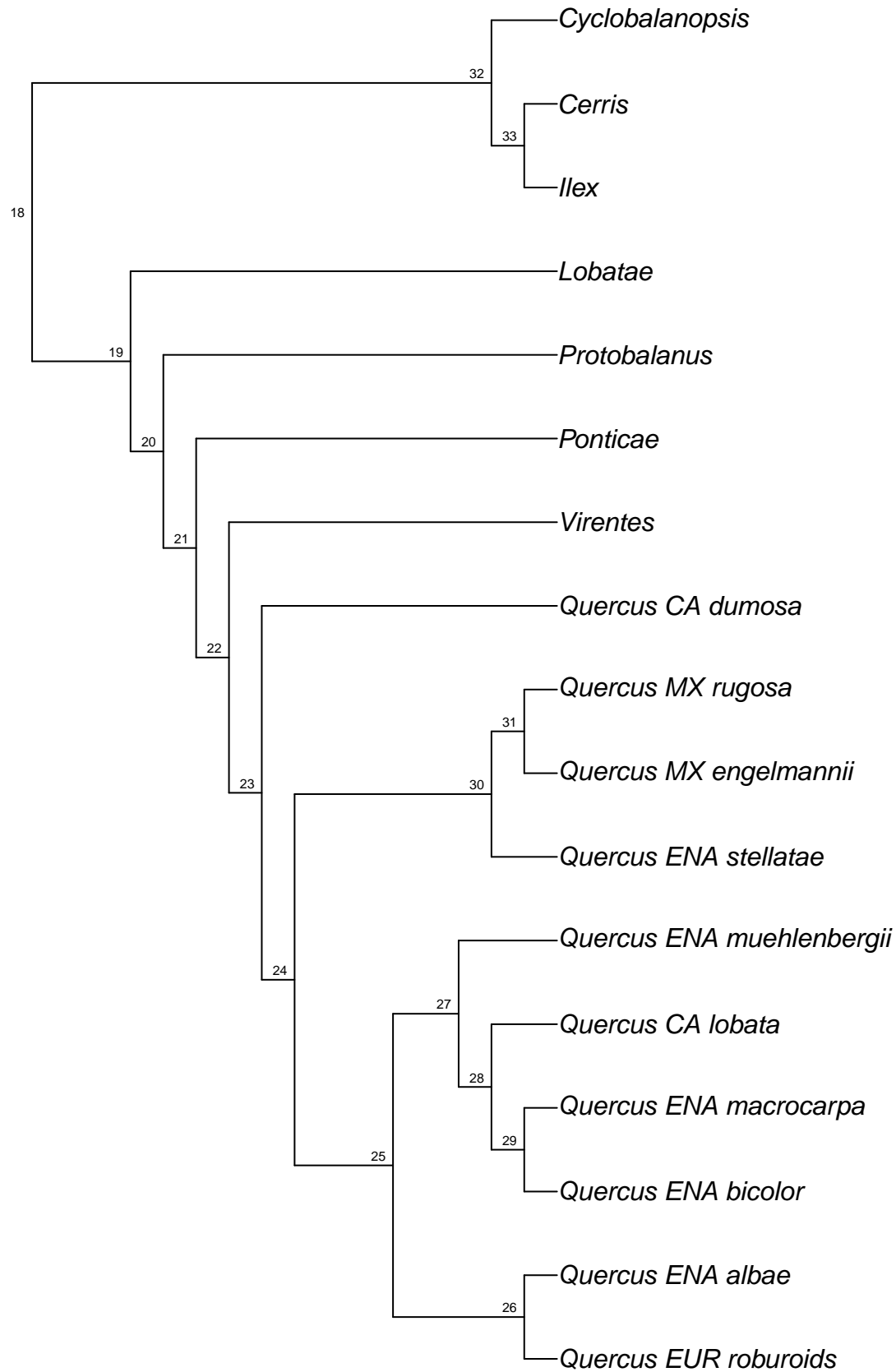
# reSeq.reseq\_Qalba.bt005



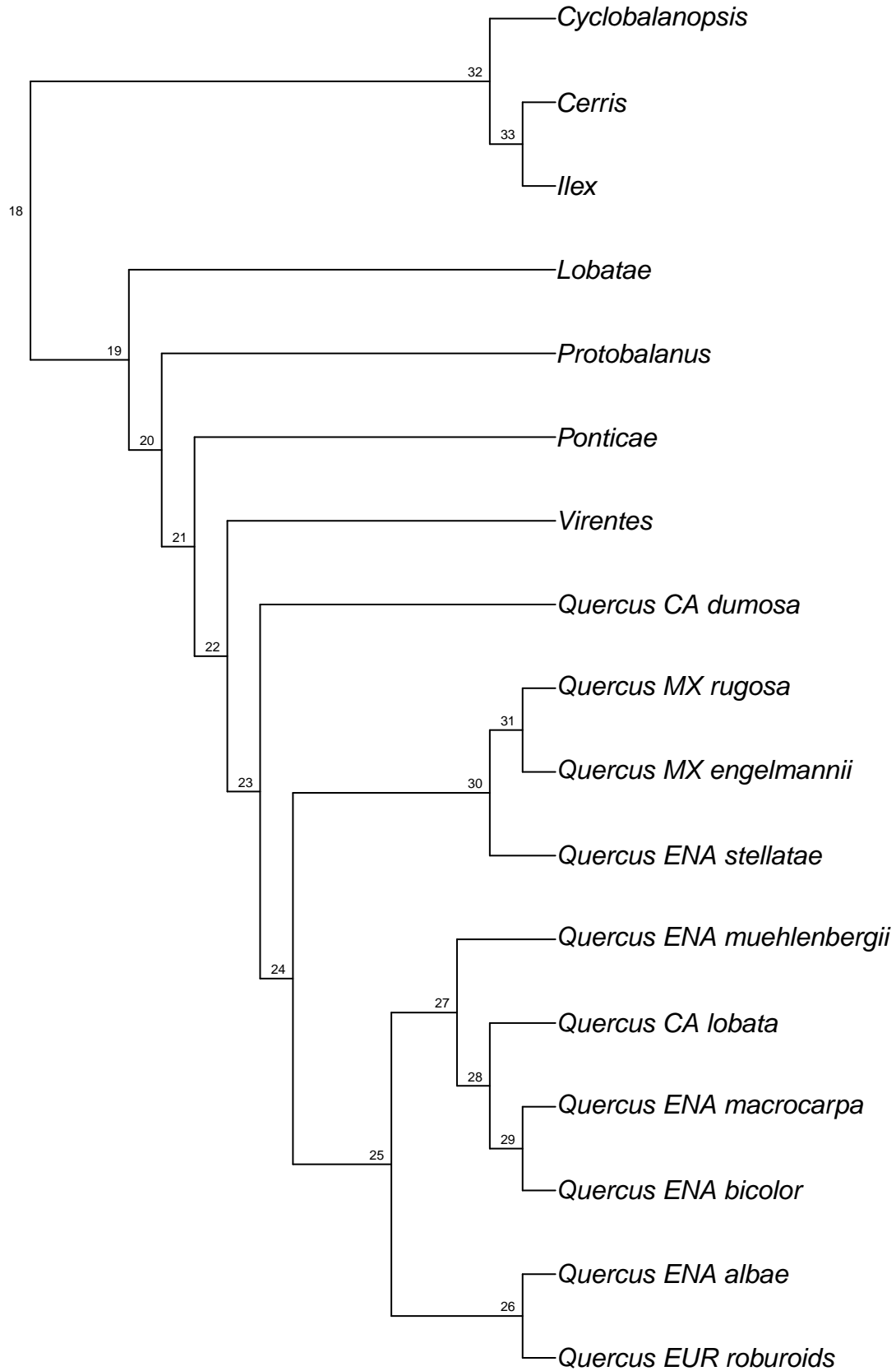
reSeq.reseq\_Qalba.bt006



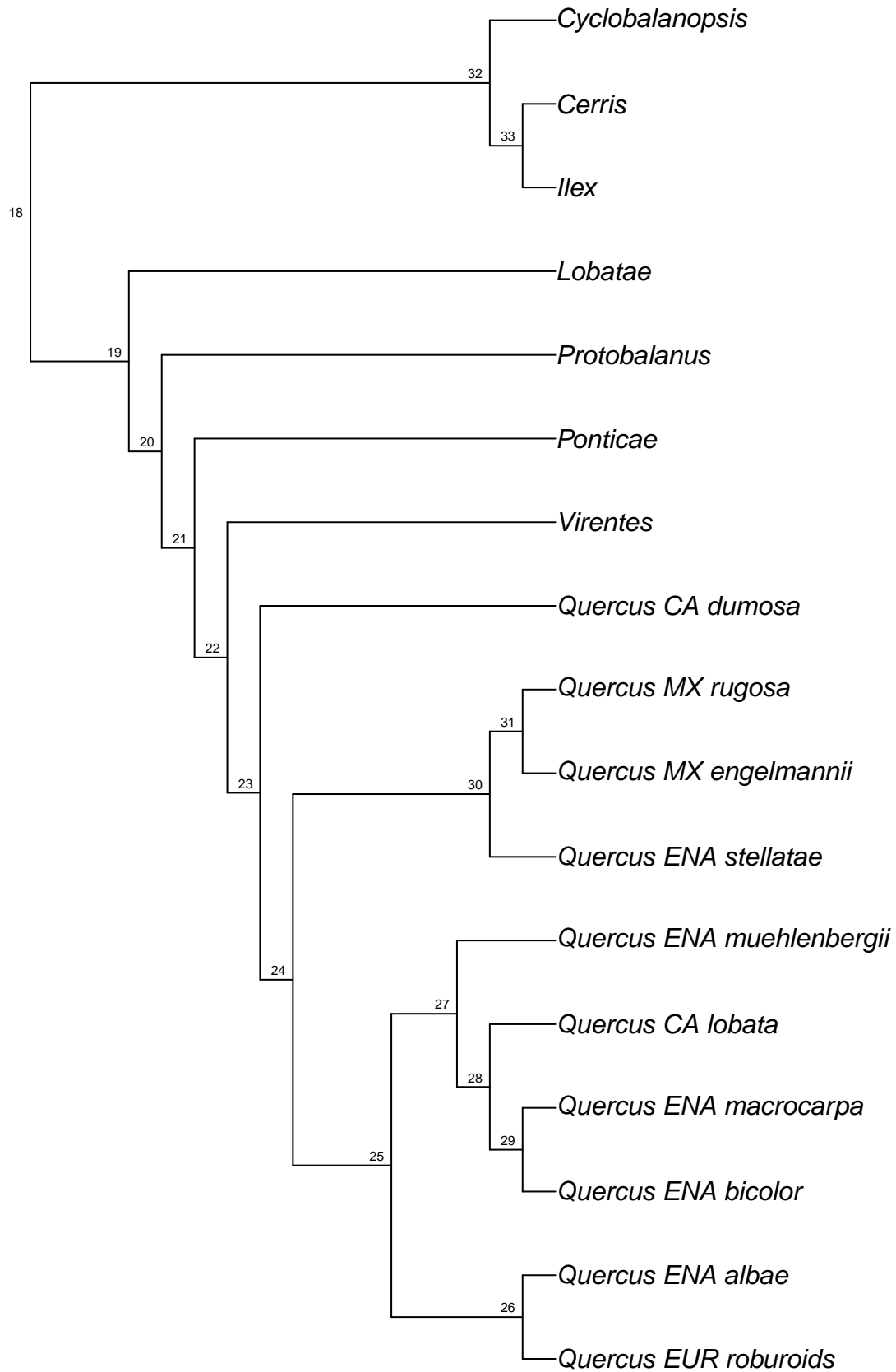
# reSeq.reseq\_Qalba.bt007



# reSeq.reseq\_Qalba.bt008

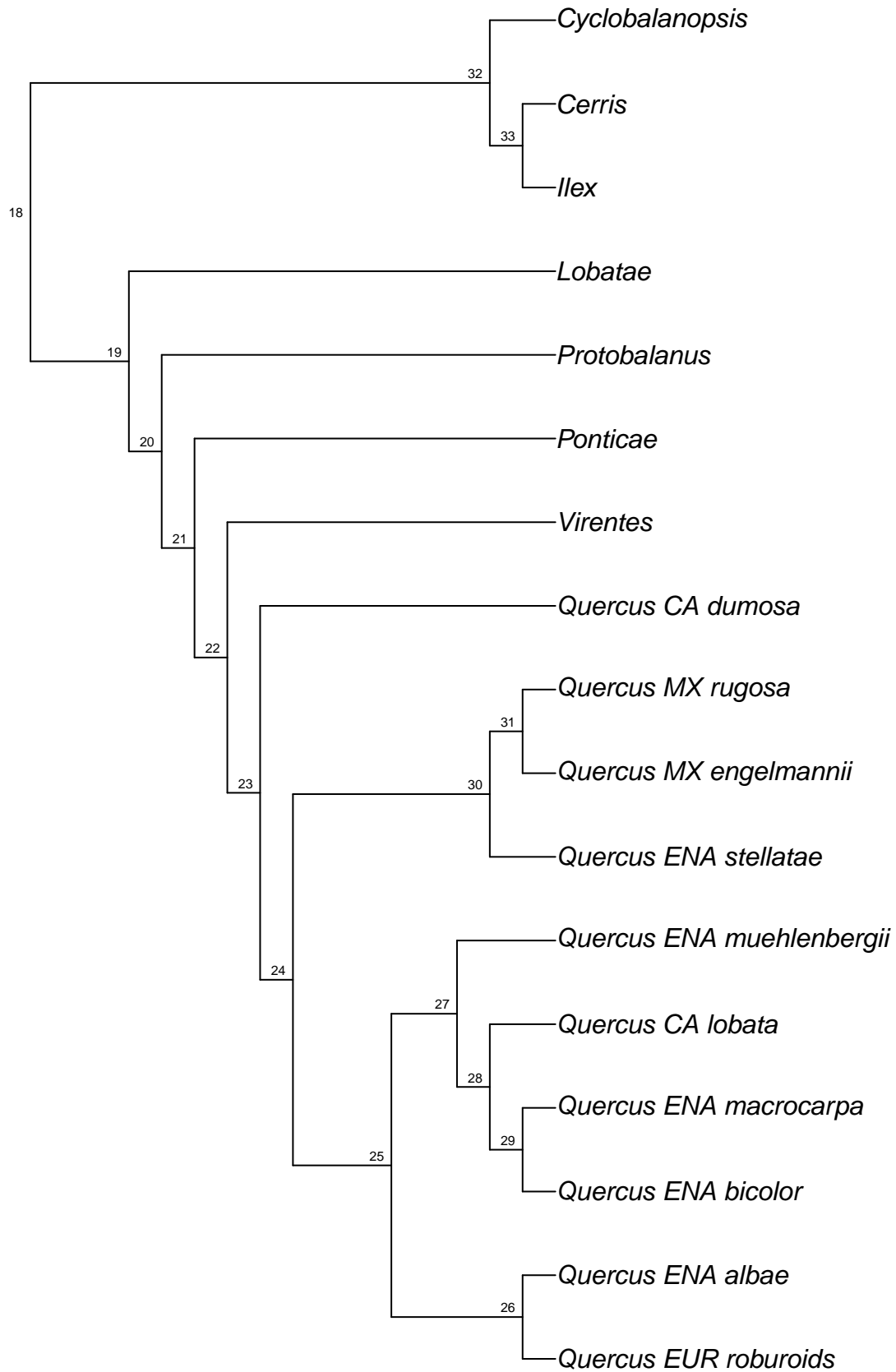


reSeq.reseq\_Qalba.bt009

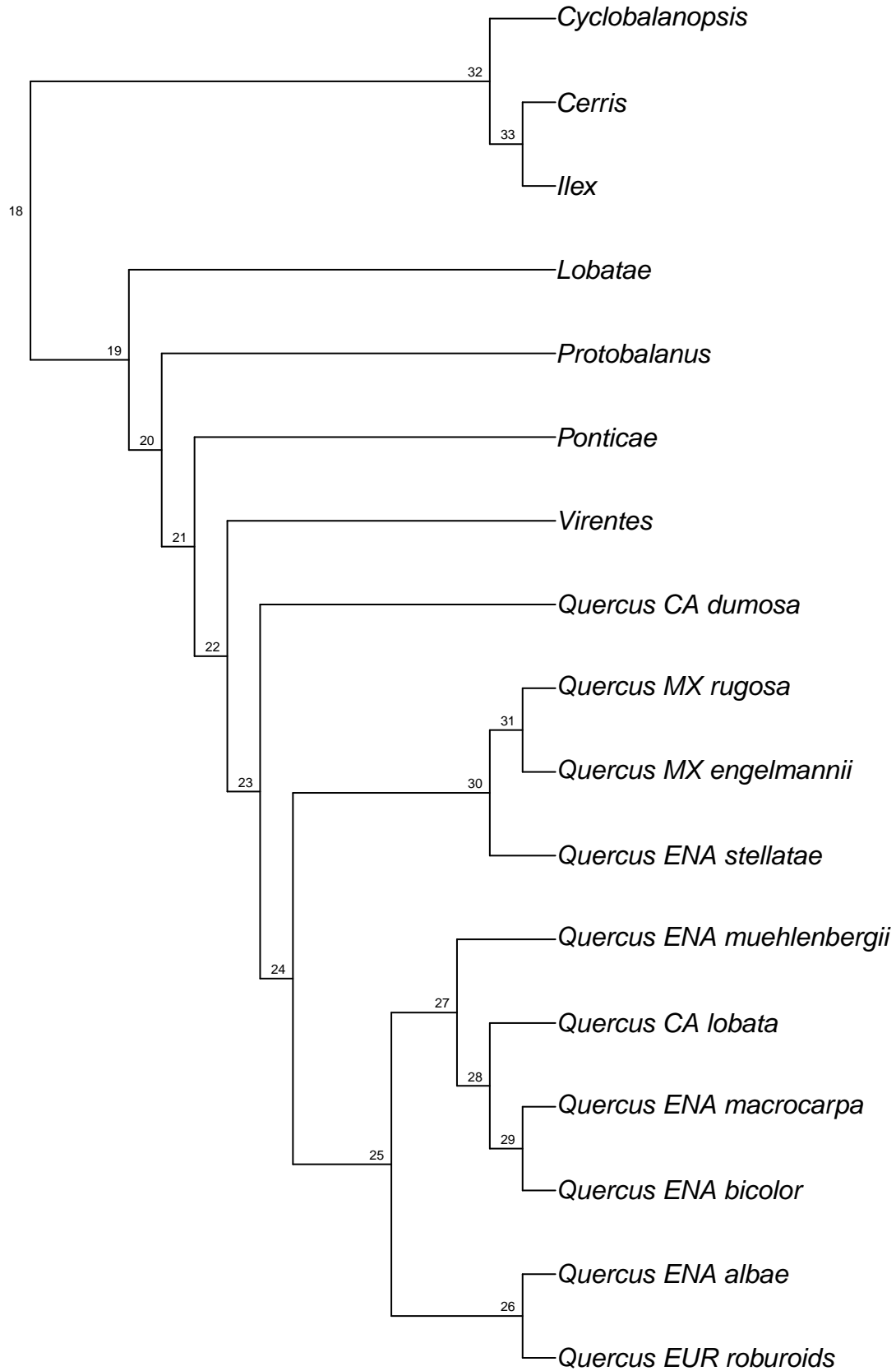




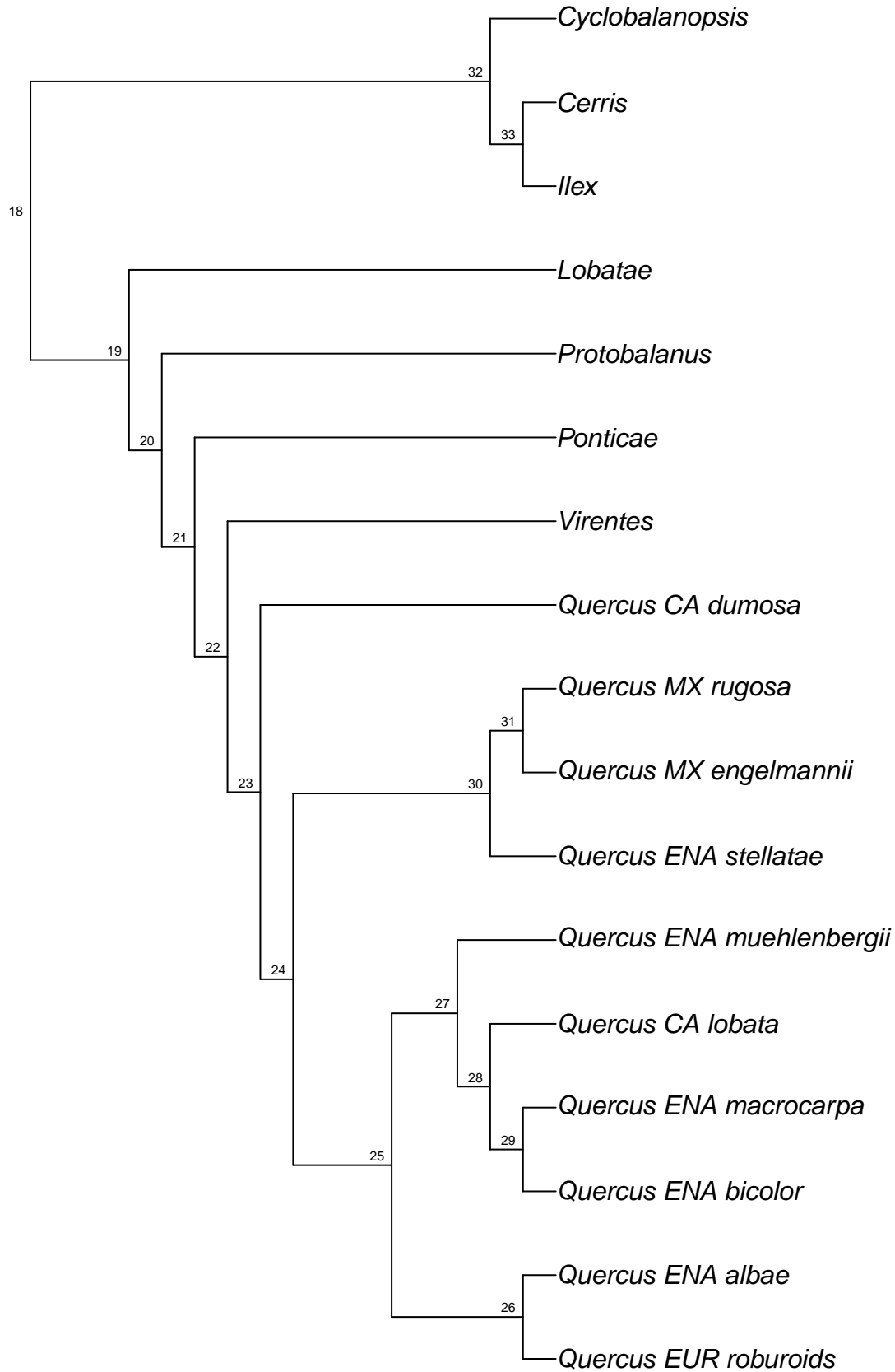
# reSeq.reseq\_Qalba.bt010



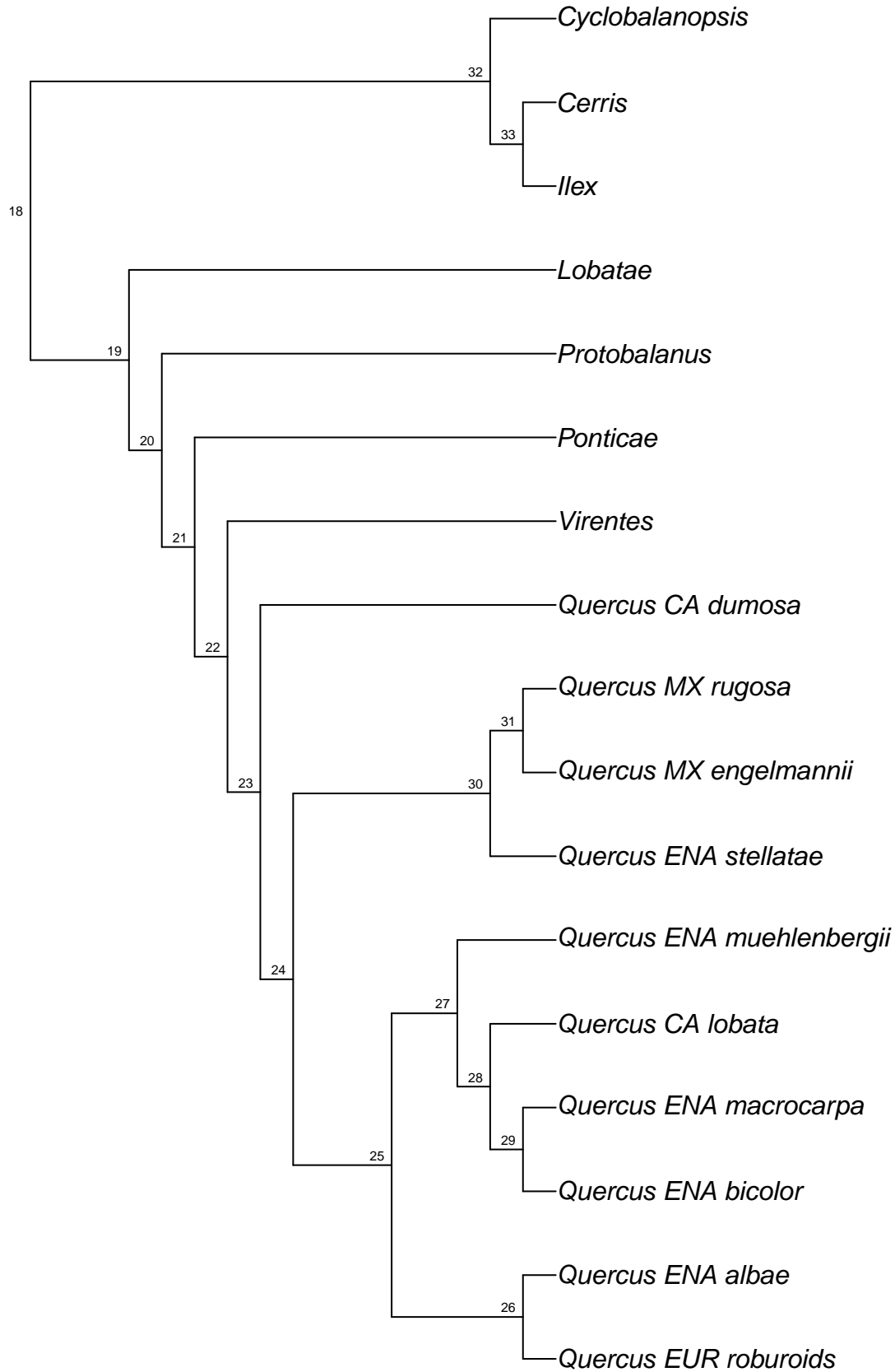
# reSeq.reseq\_Qalba.bt011



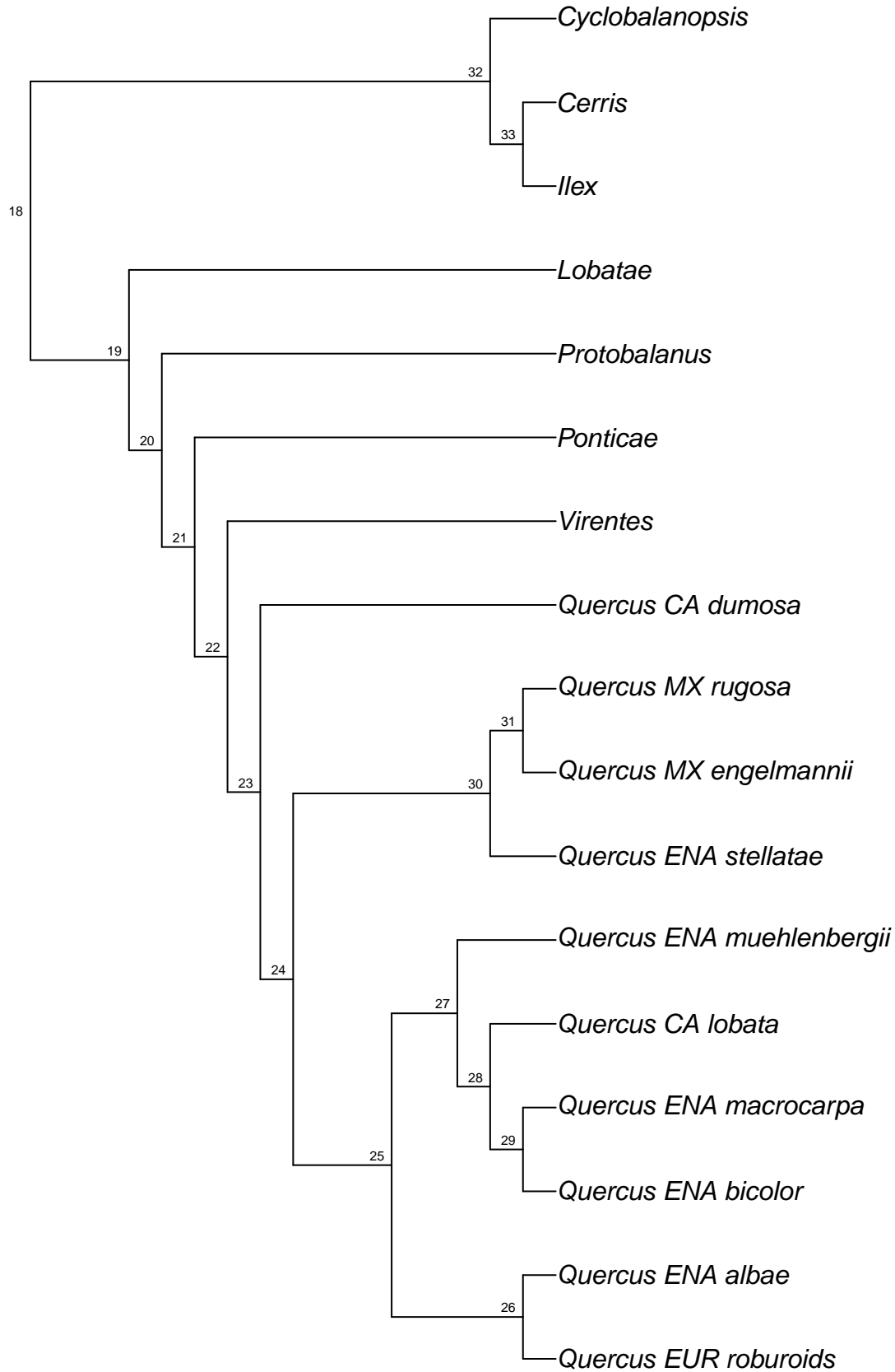
# reSeq.reseq\_Qalba.bt012



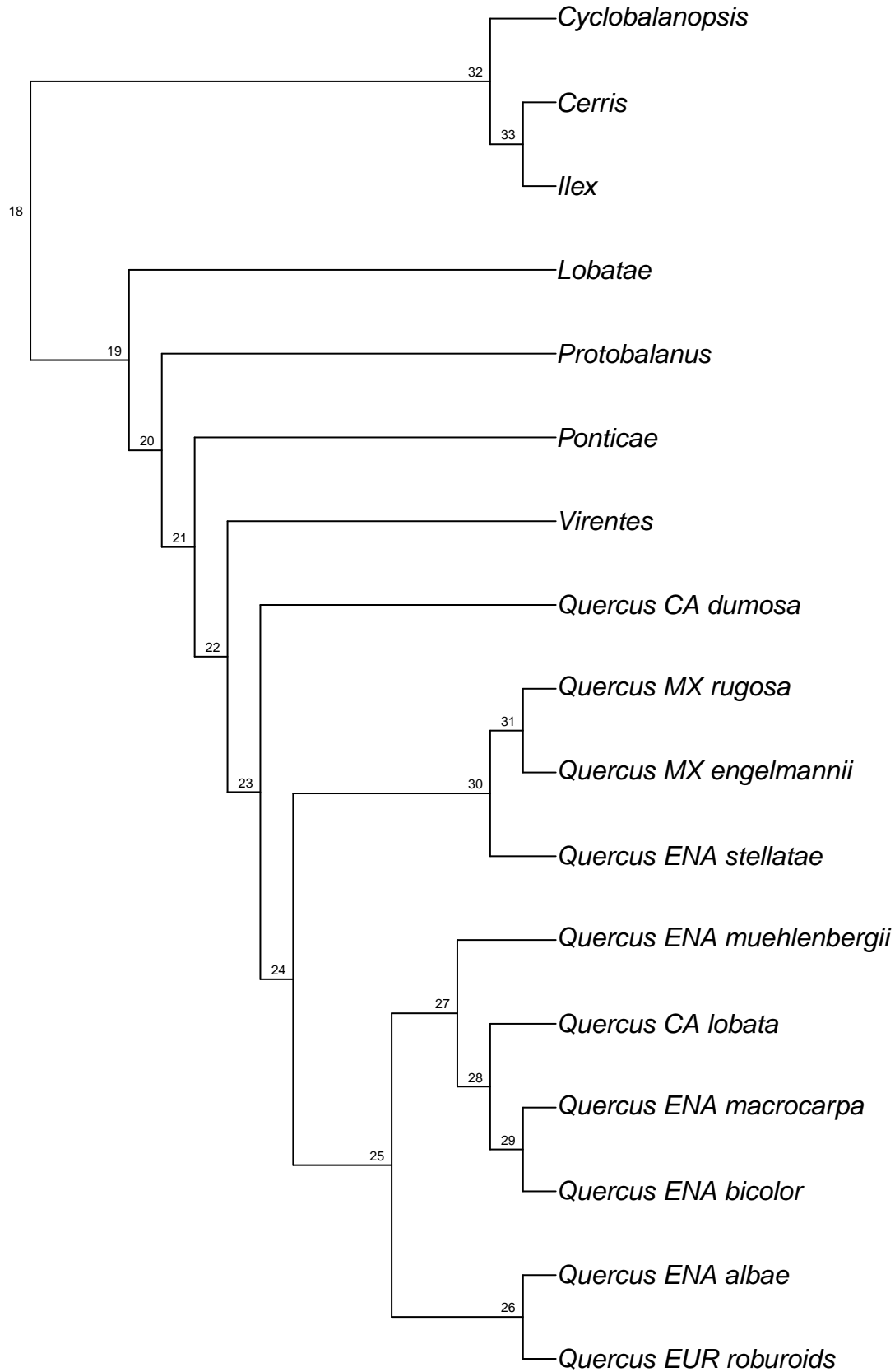
# reSeq.reseq\_Qalba.bt013



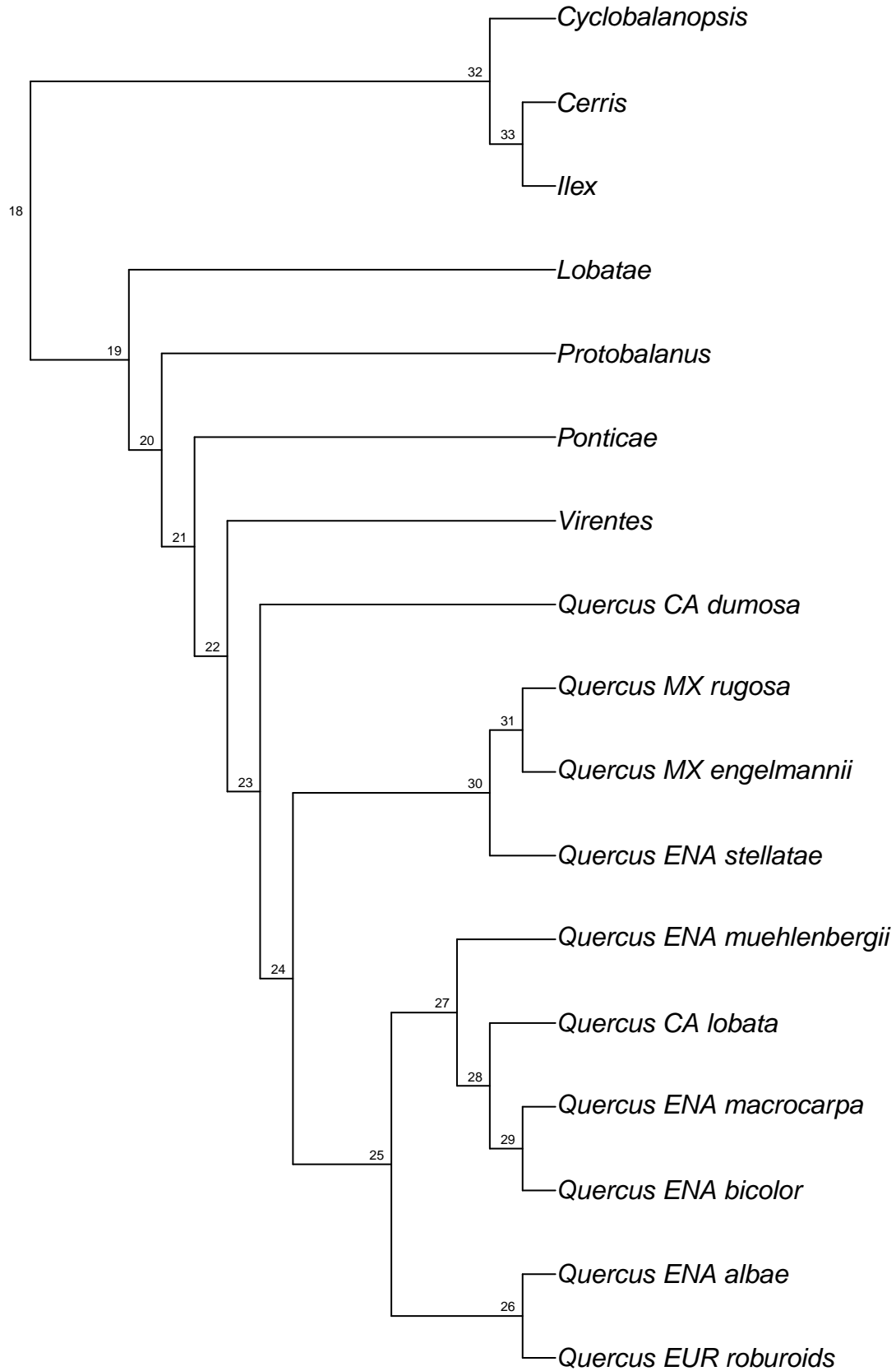
# reSeq.reseq\_Qalba.bt014



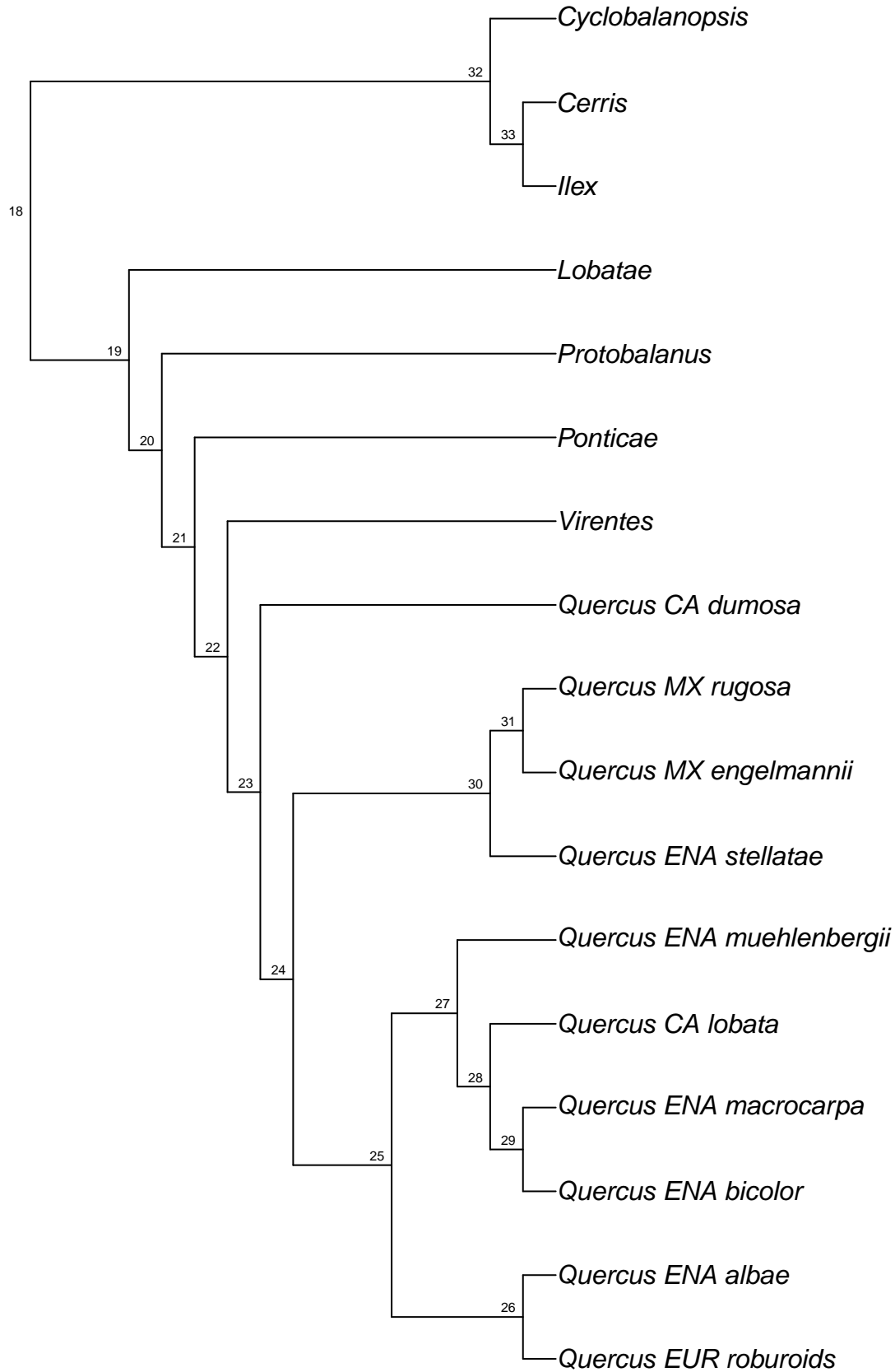
# reSeq.reseq\_Qalba.bt015



# reSeq.reseq\_Qalba.bt016

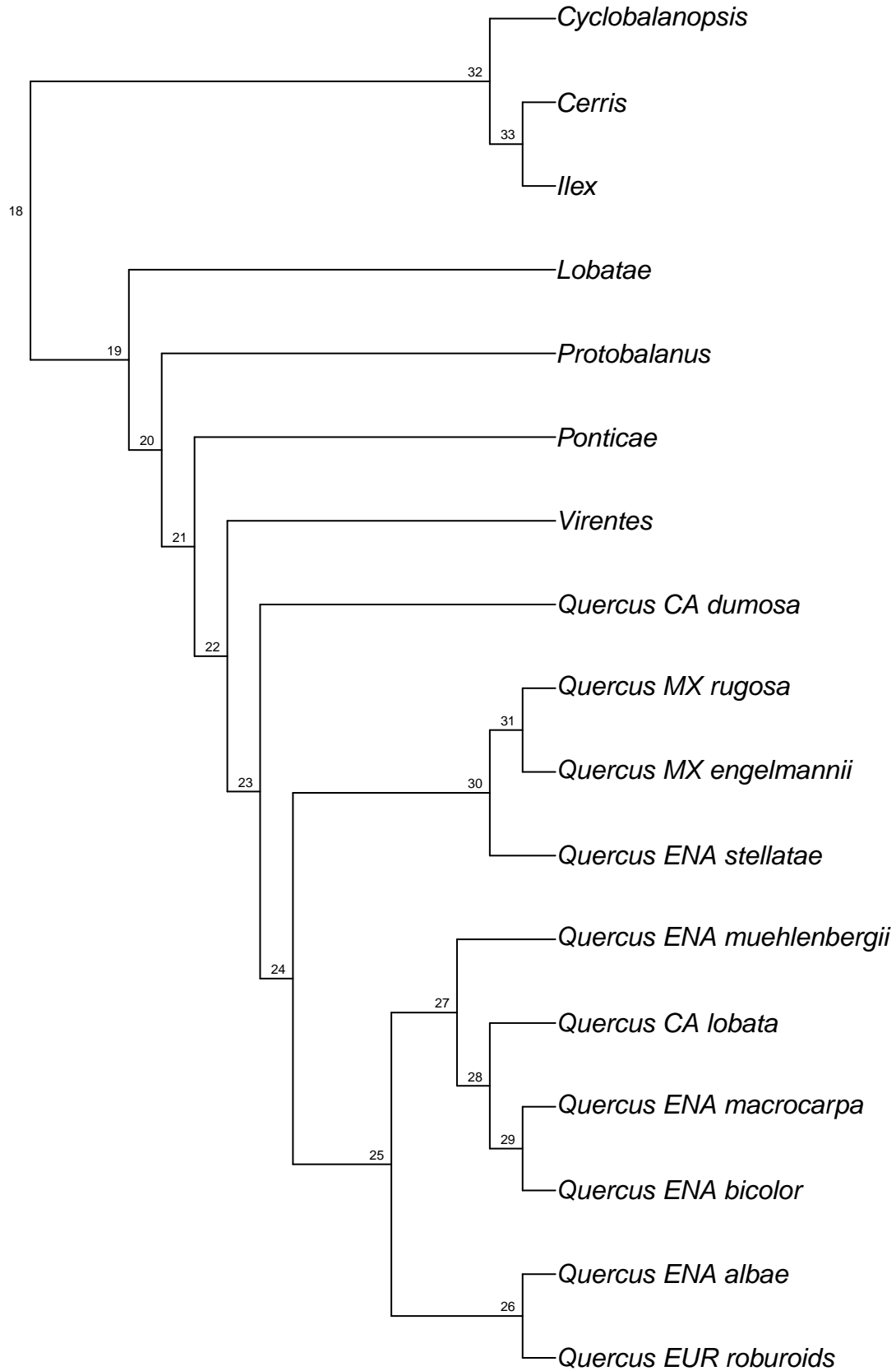


# reSeq.reseq\_Qalba.bt017

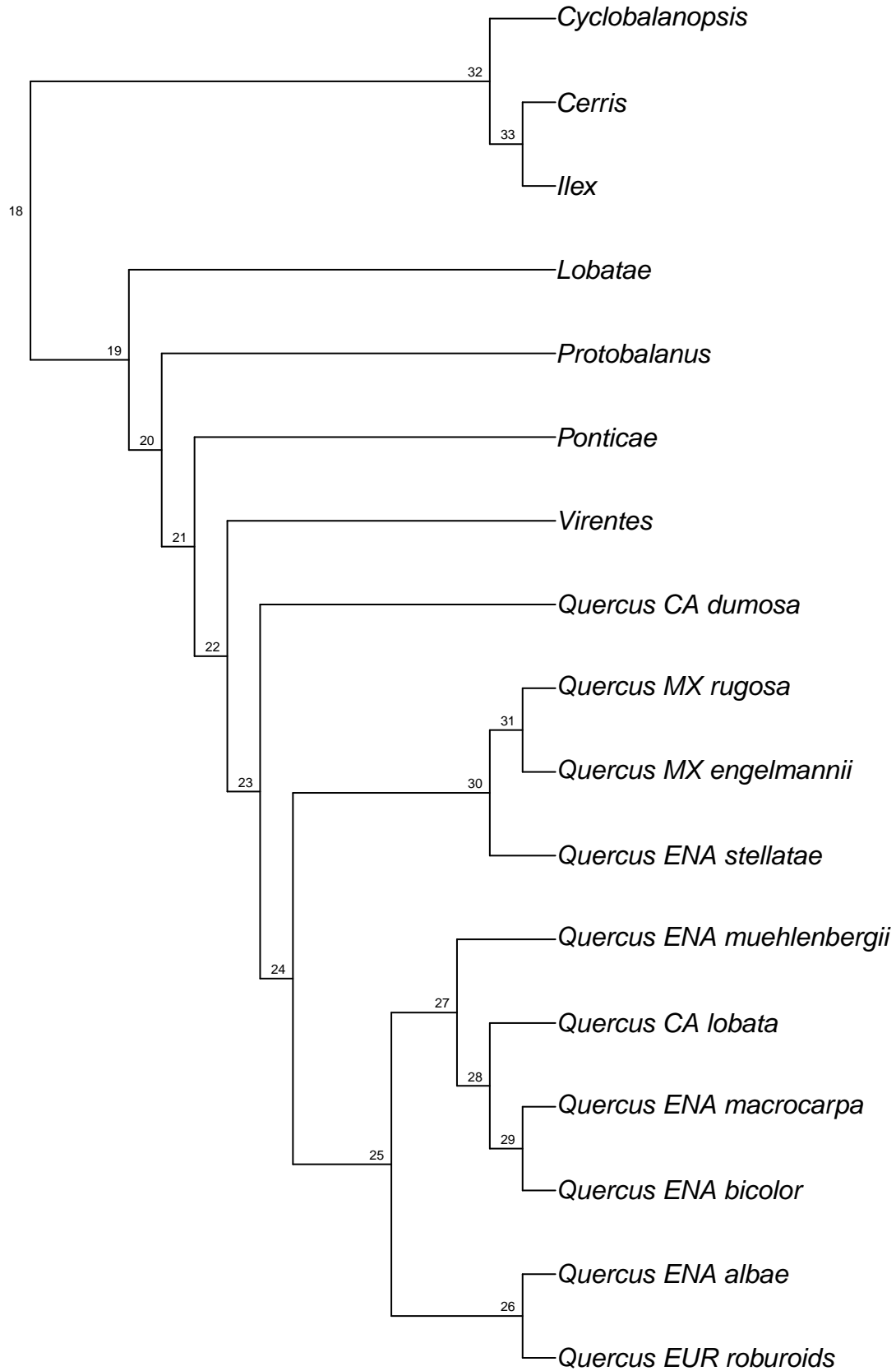




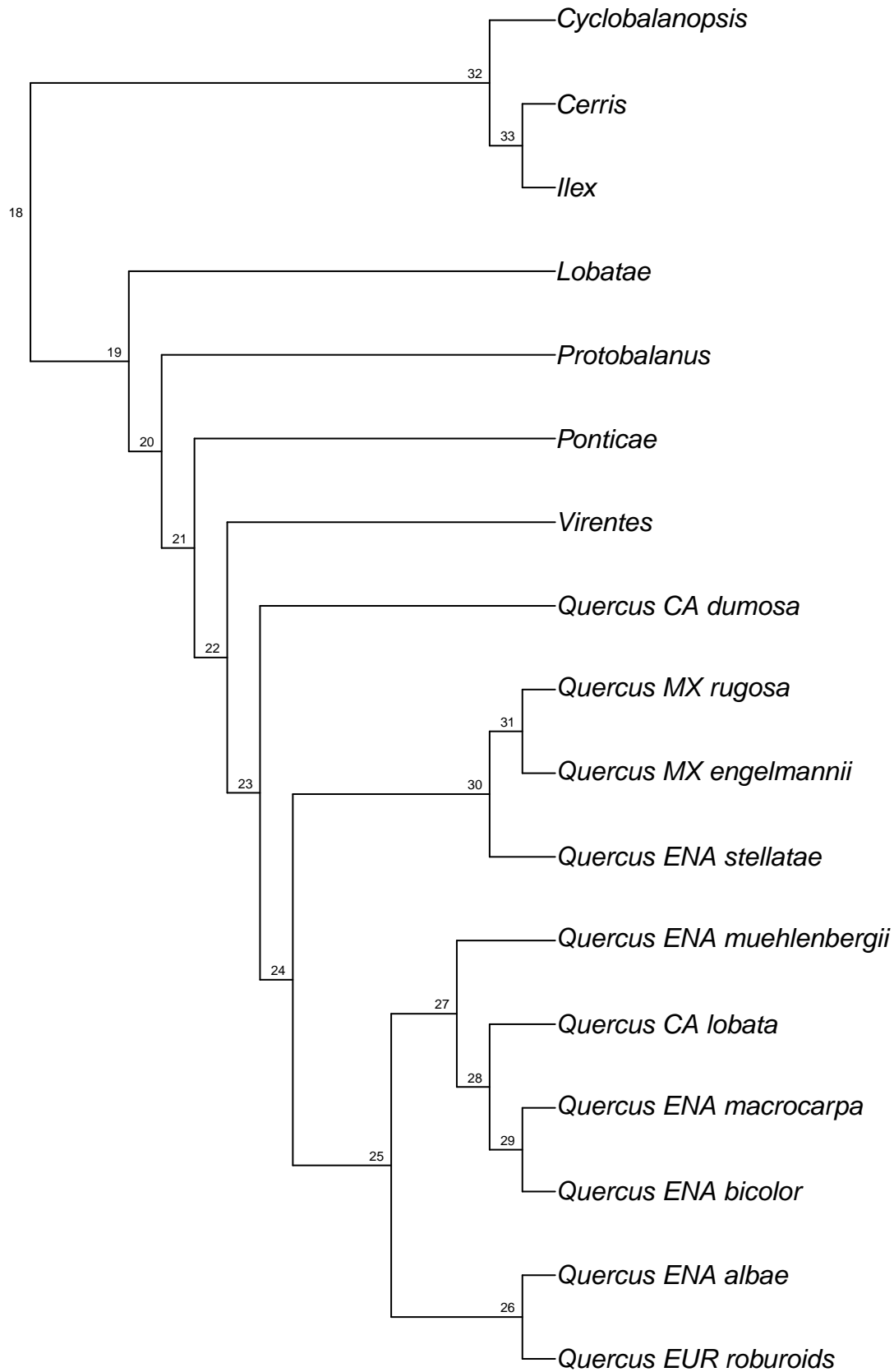
# reSeq.reseq\_Qalba.bt018



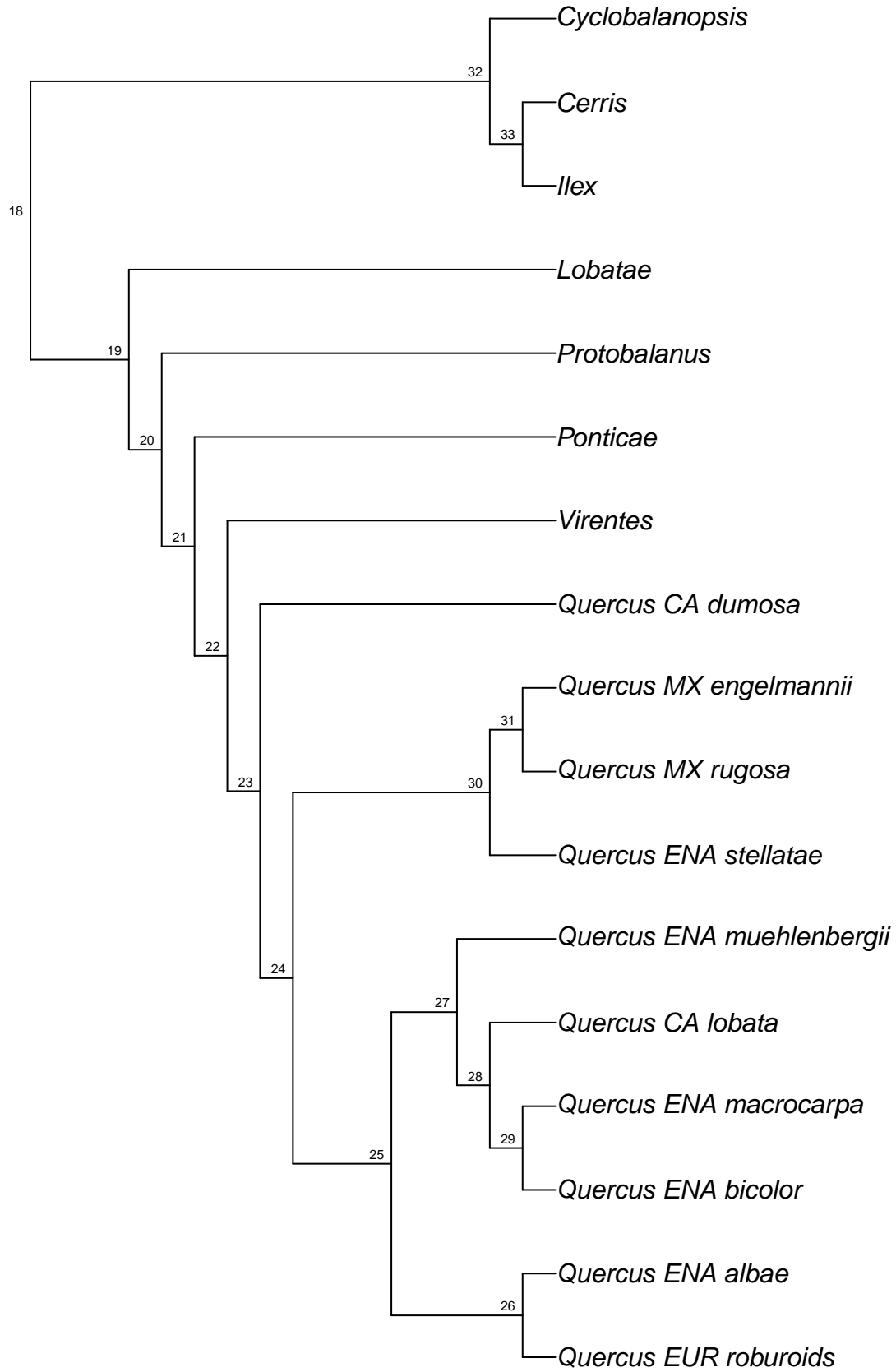
# reSeq.reseq\_Qalba.bt019



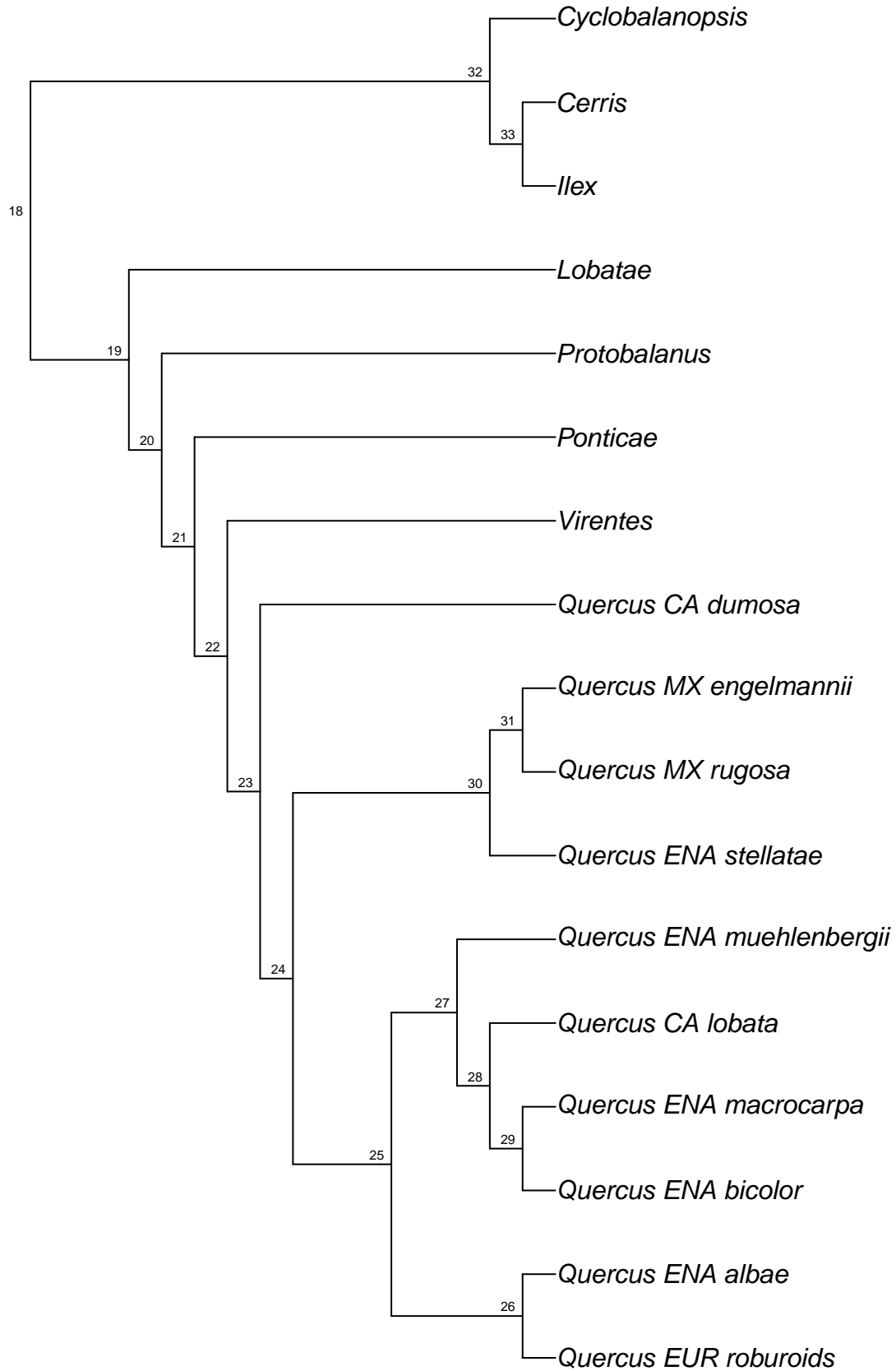
# reSeq.reseq\_Qalba.bt020



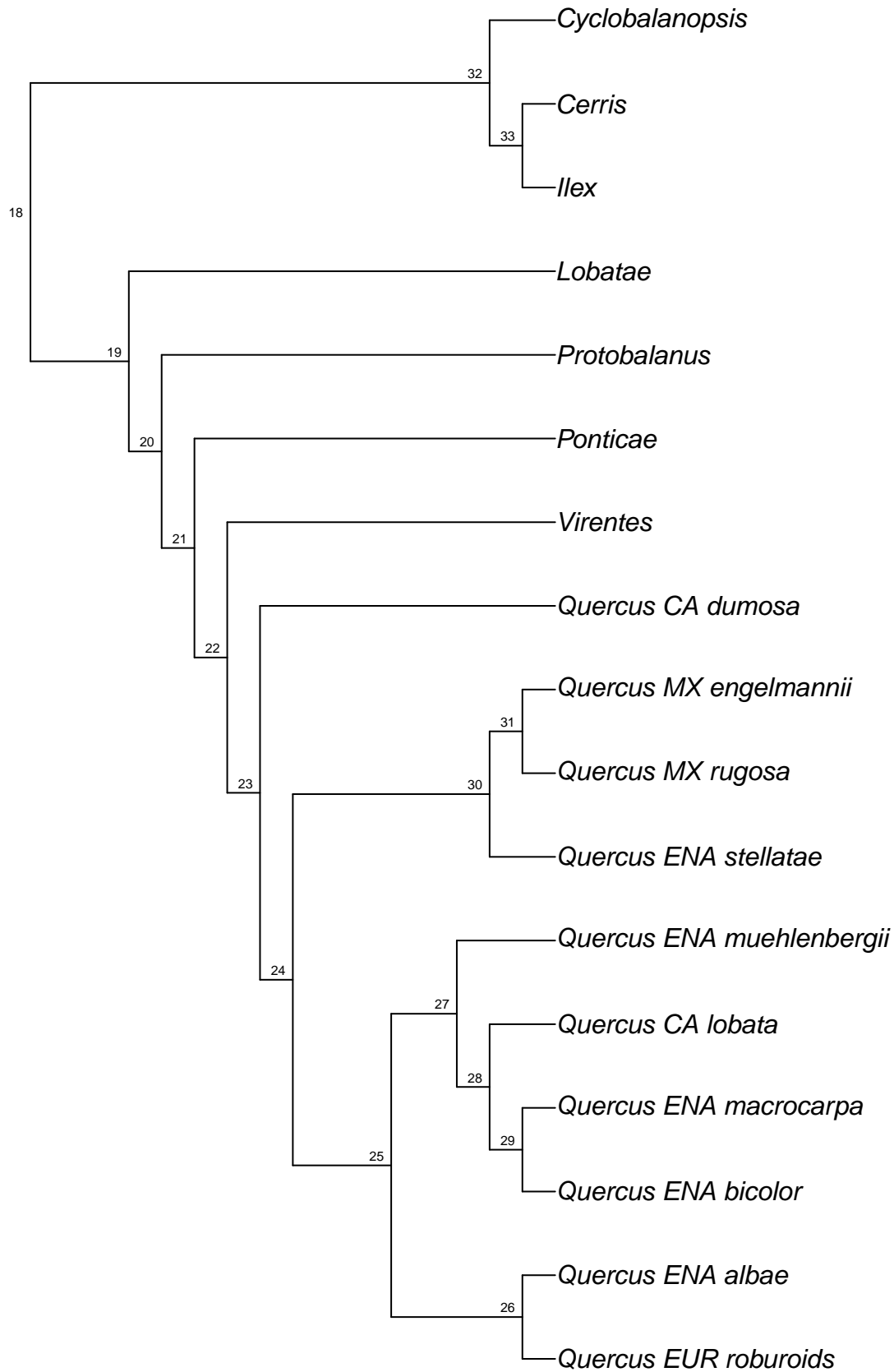
# reSeq.reseq\_Qalba.bt021



# reSeq.reseq\_Qalba.bt022



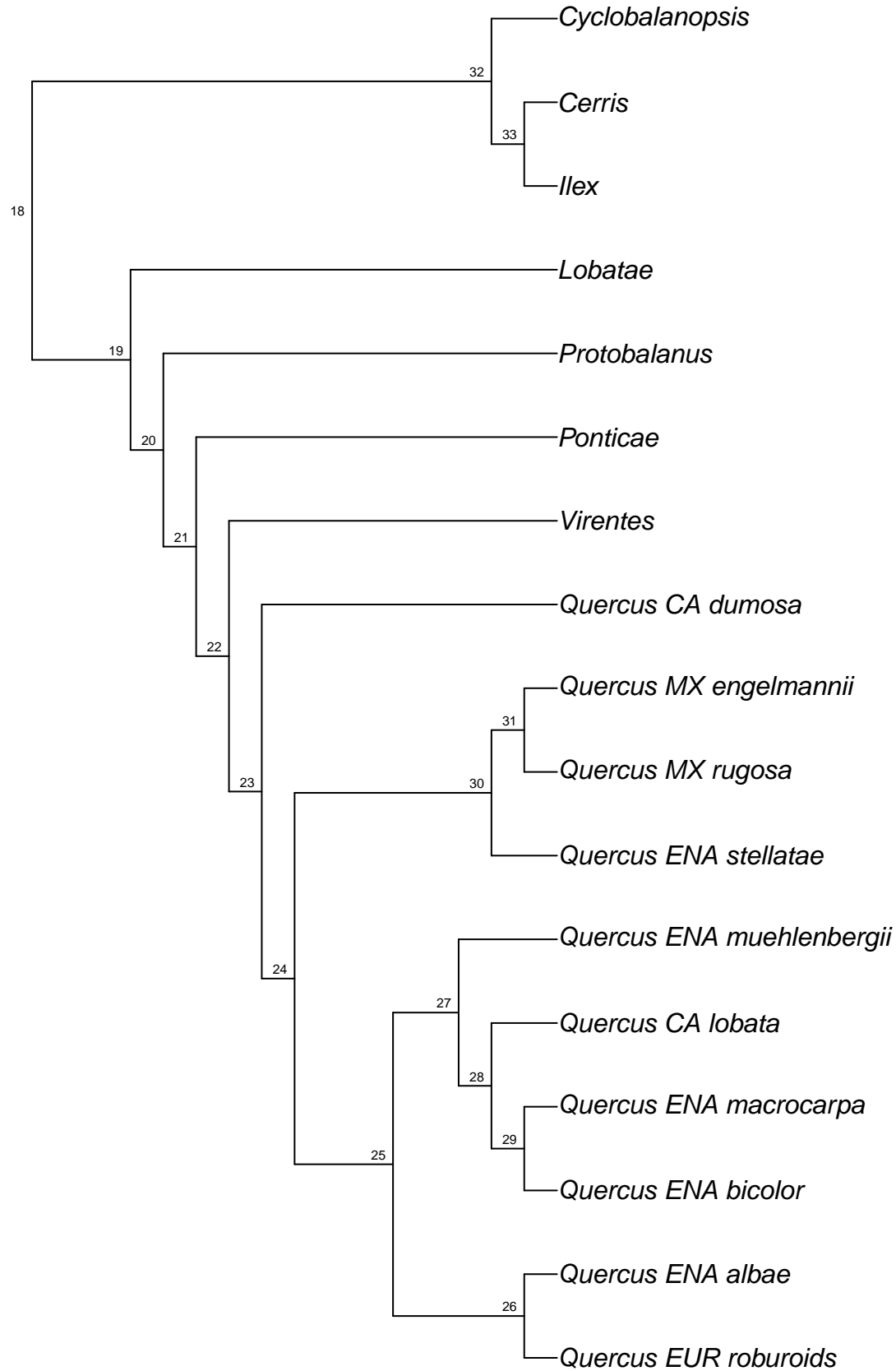
# reSeq.reseq\_Qalba.bt023



# reSeq.reseq\_Qalba.bt024

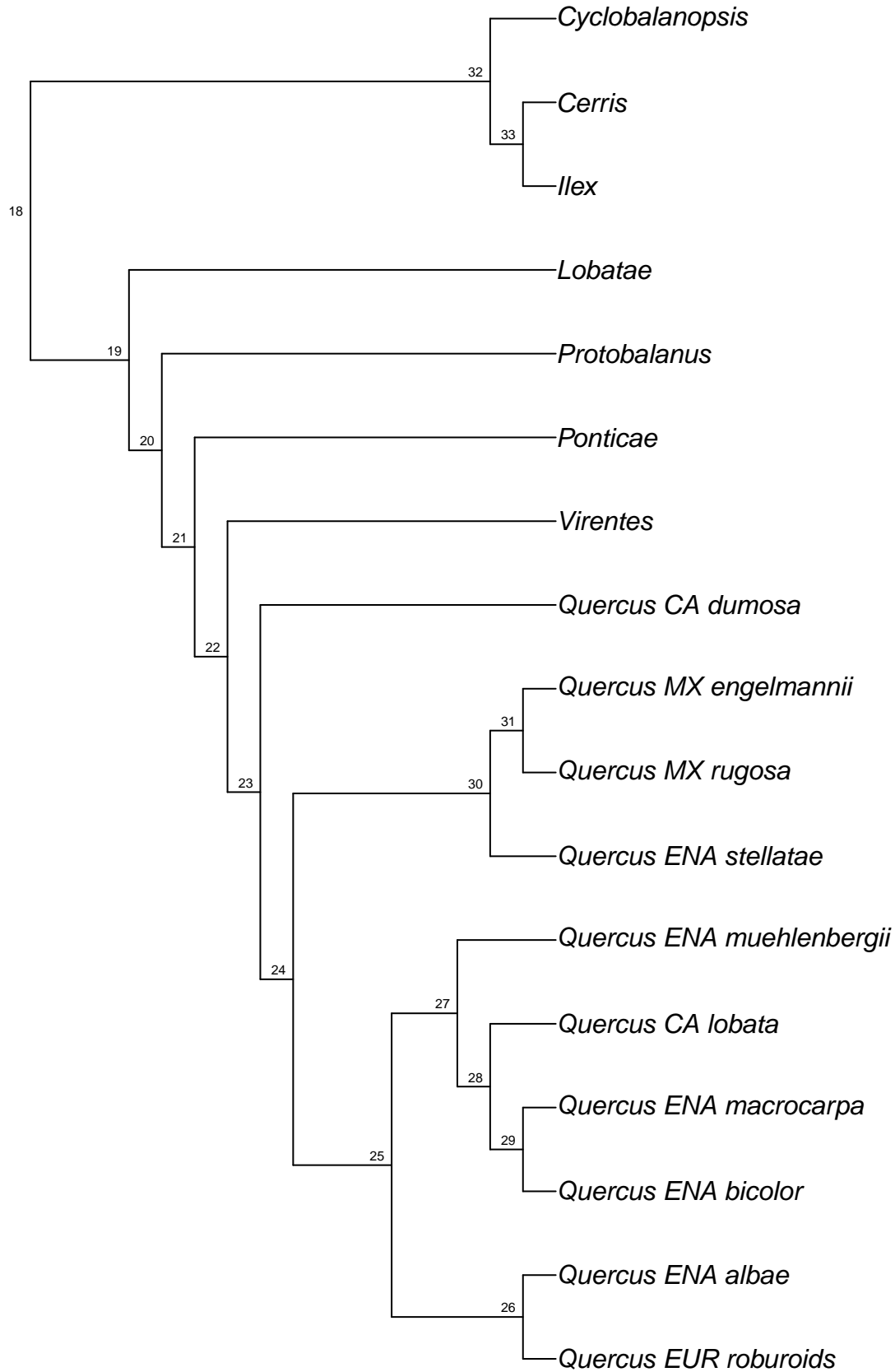


# reSeq.reseq\_Qalba.bt025





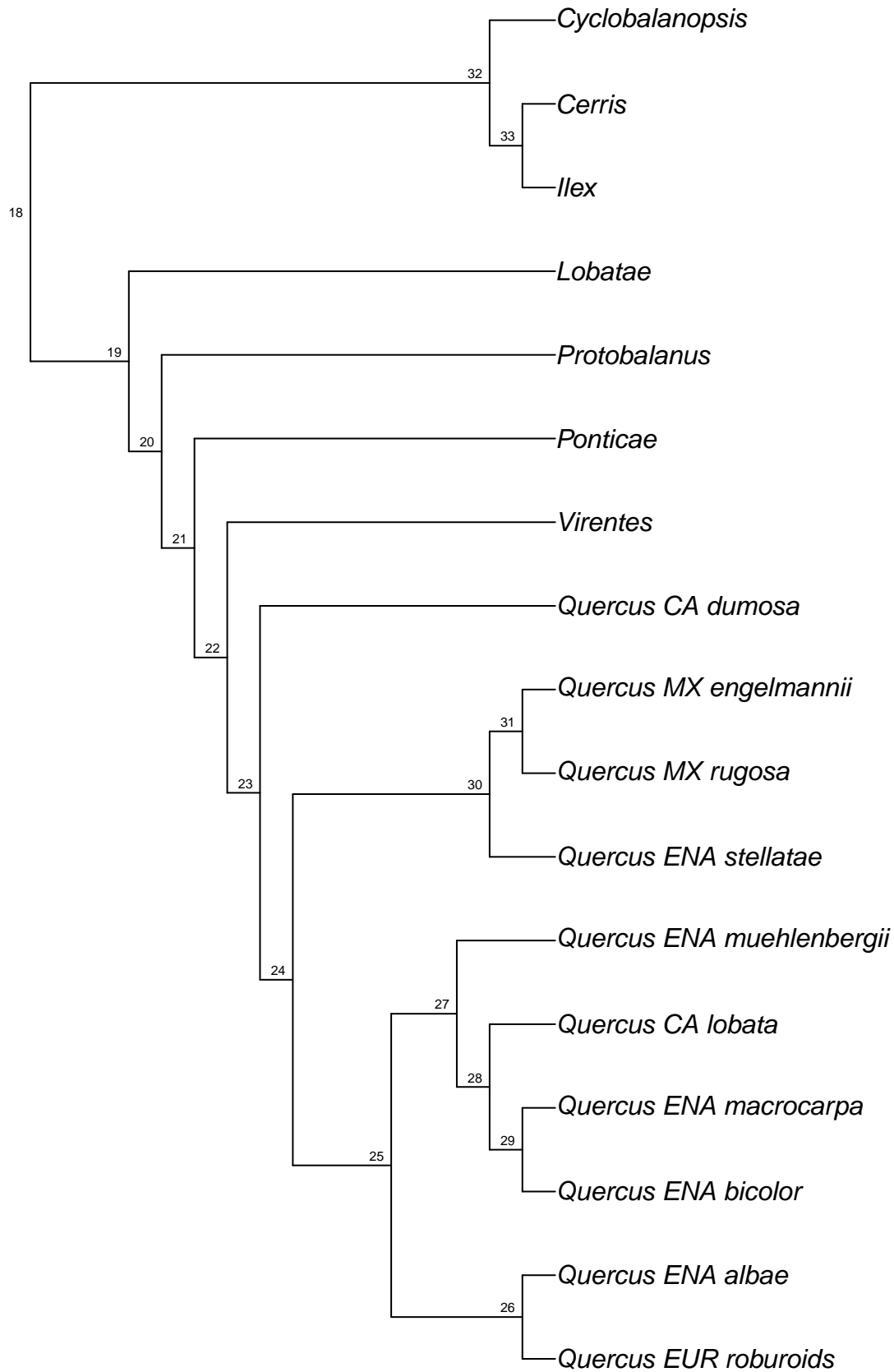
# reSeq.reseq\_Qalba.bt026



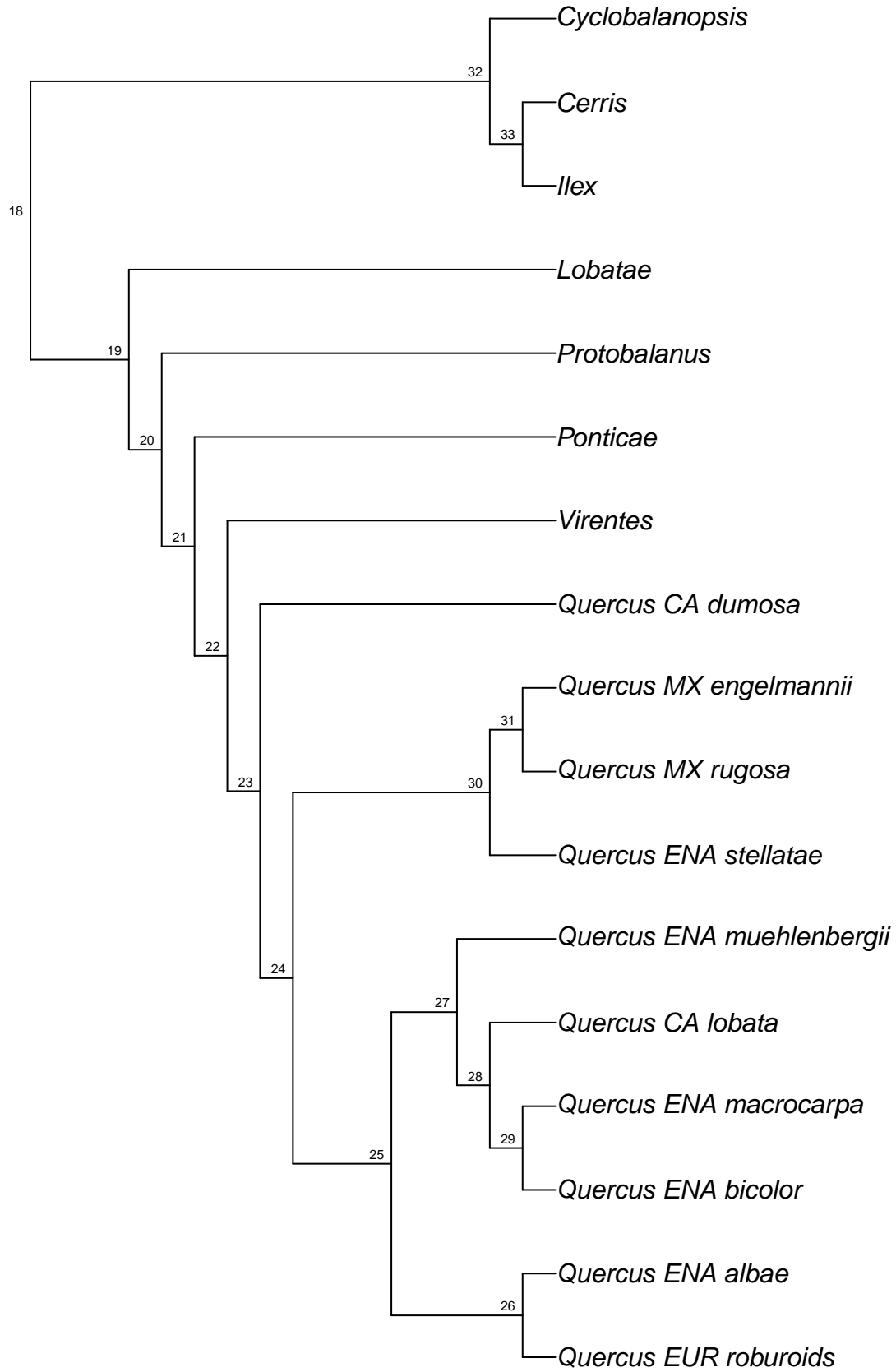
# reSeq.reseq\_Qalba.bt027



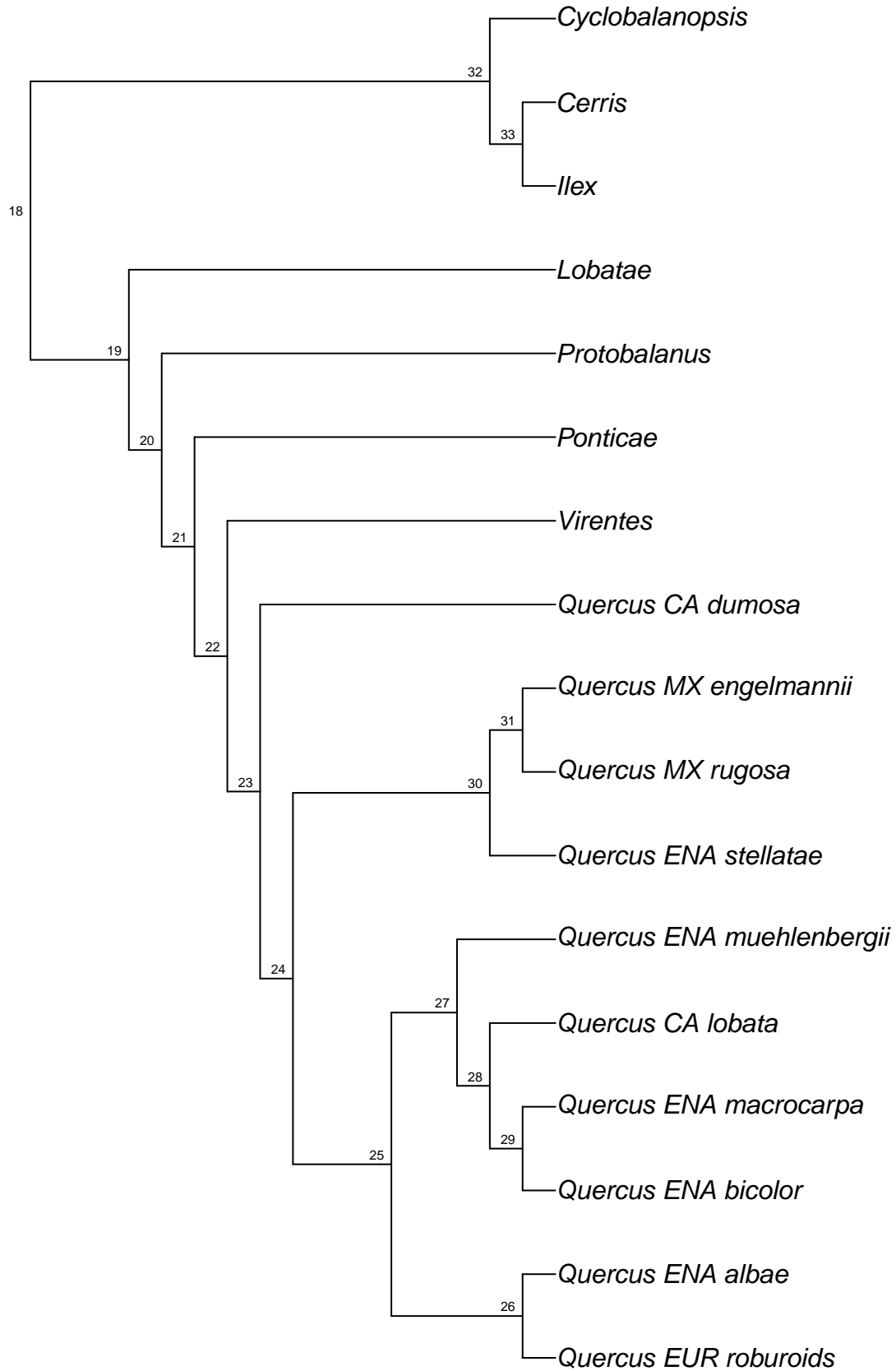
# reSeq.reseq\_Qalba.bt028



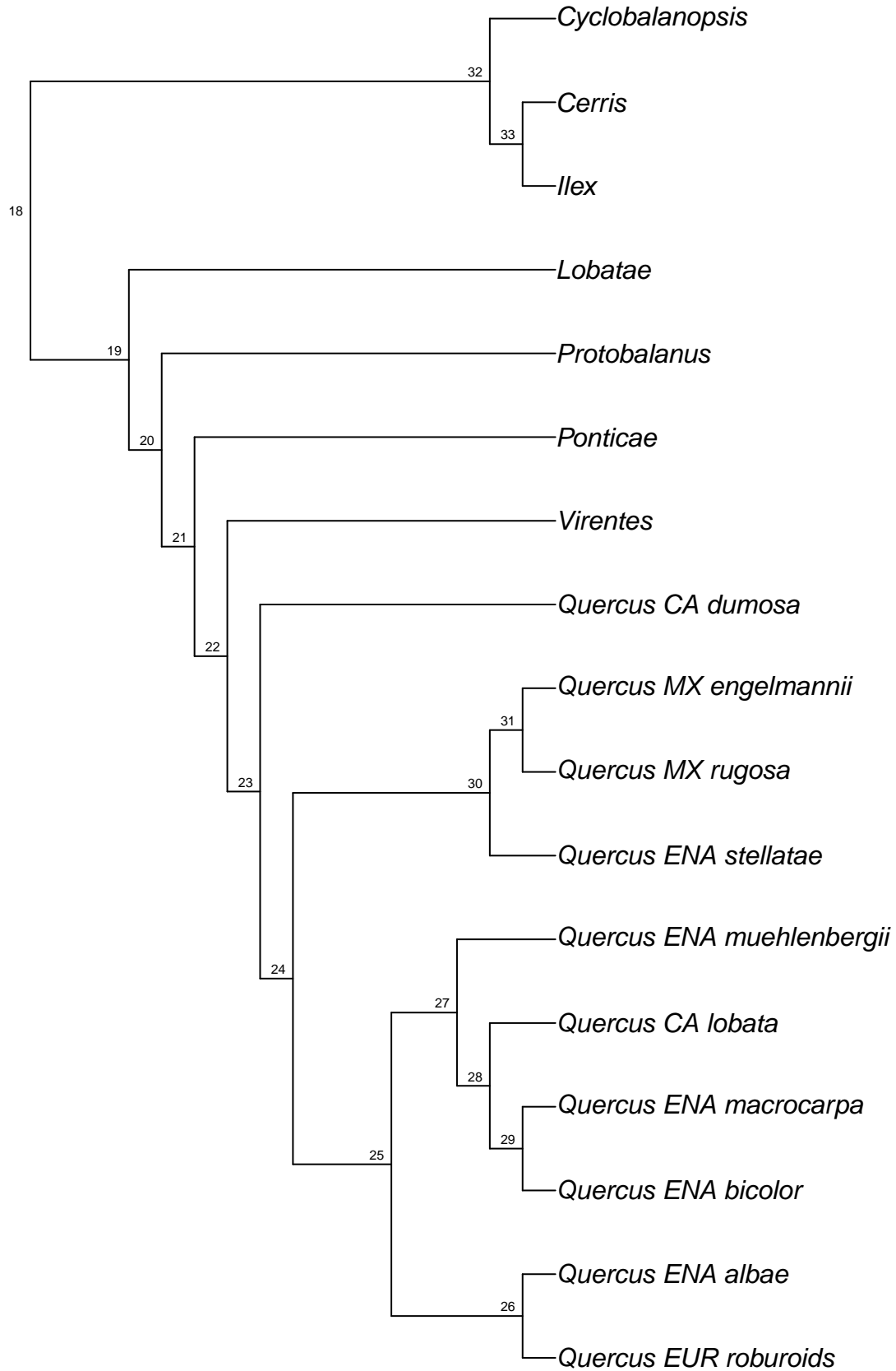
# reSeq.reseq\_Qalba.bt029



# reSeq.reseq\_Qalba.bt030



# reSeq.reseq\_Qalba.bt031



# reSeq.reseq\_Qalba.bt032

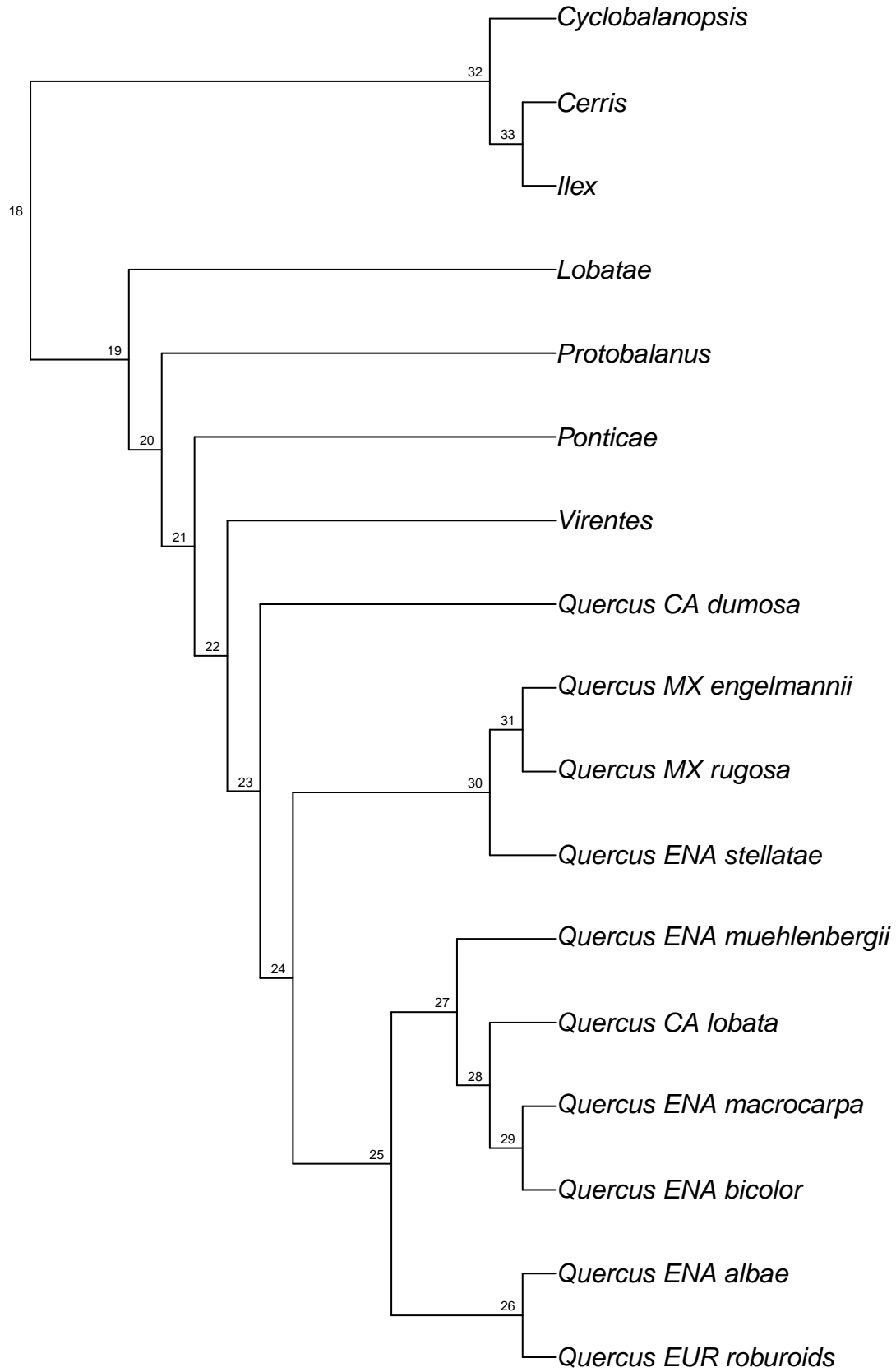


# reSeq.reseq\_Qalba.bt033

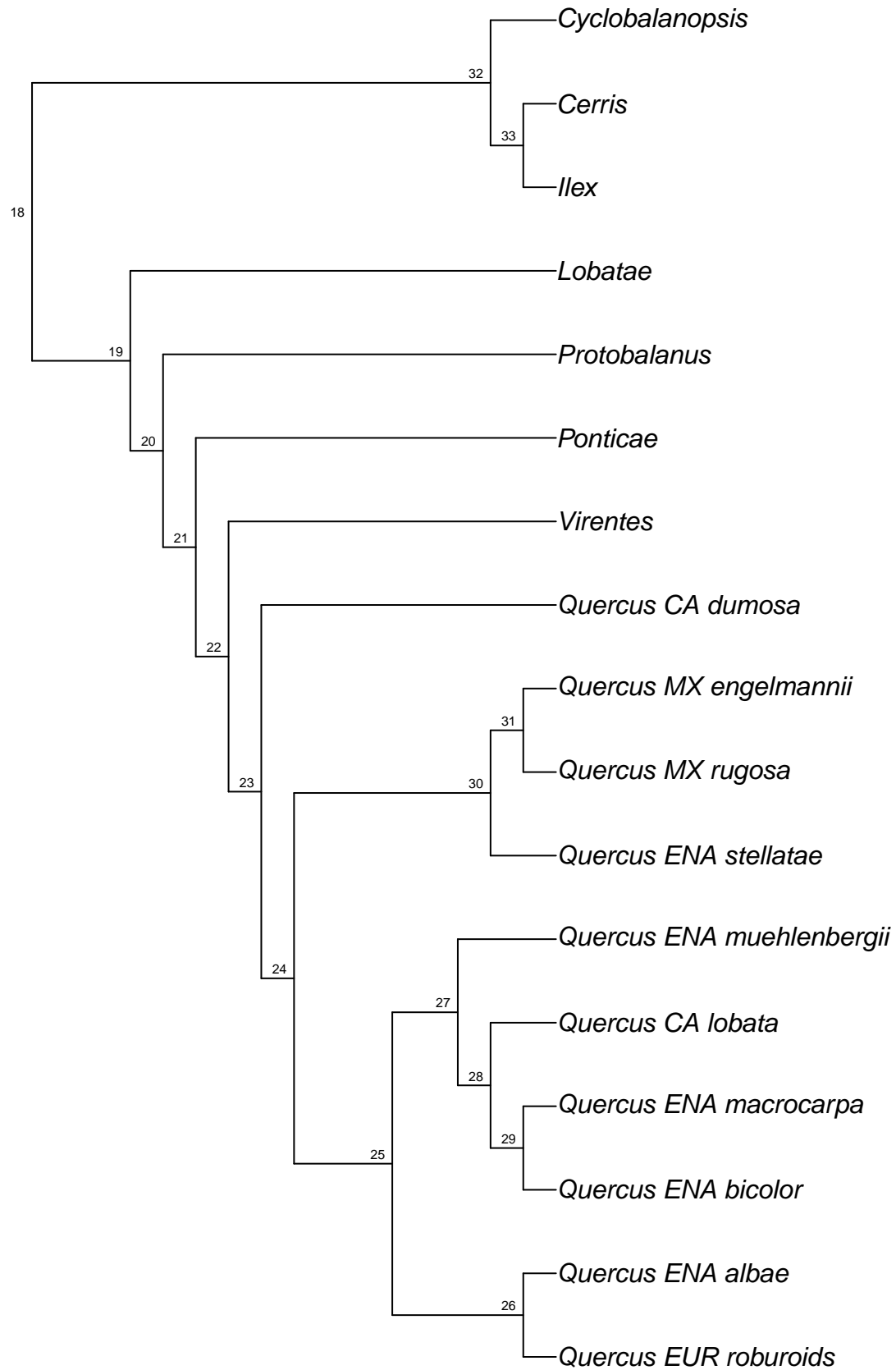




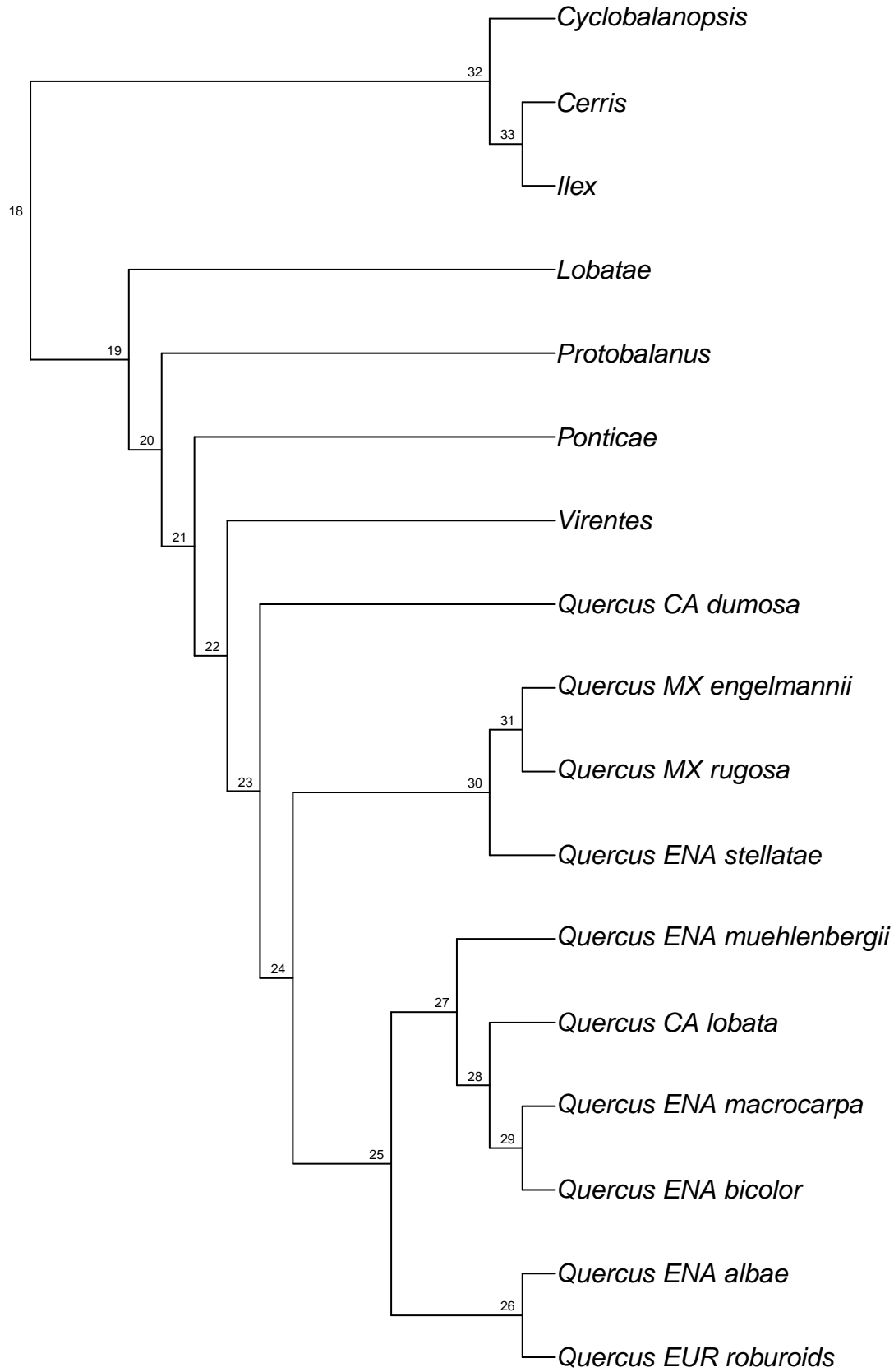
# reSeq.reseq\_Qalba.bt034



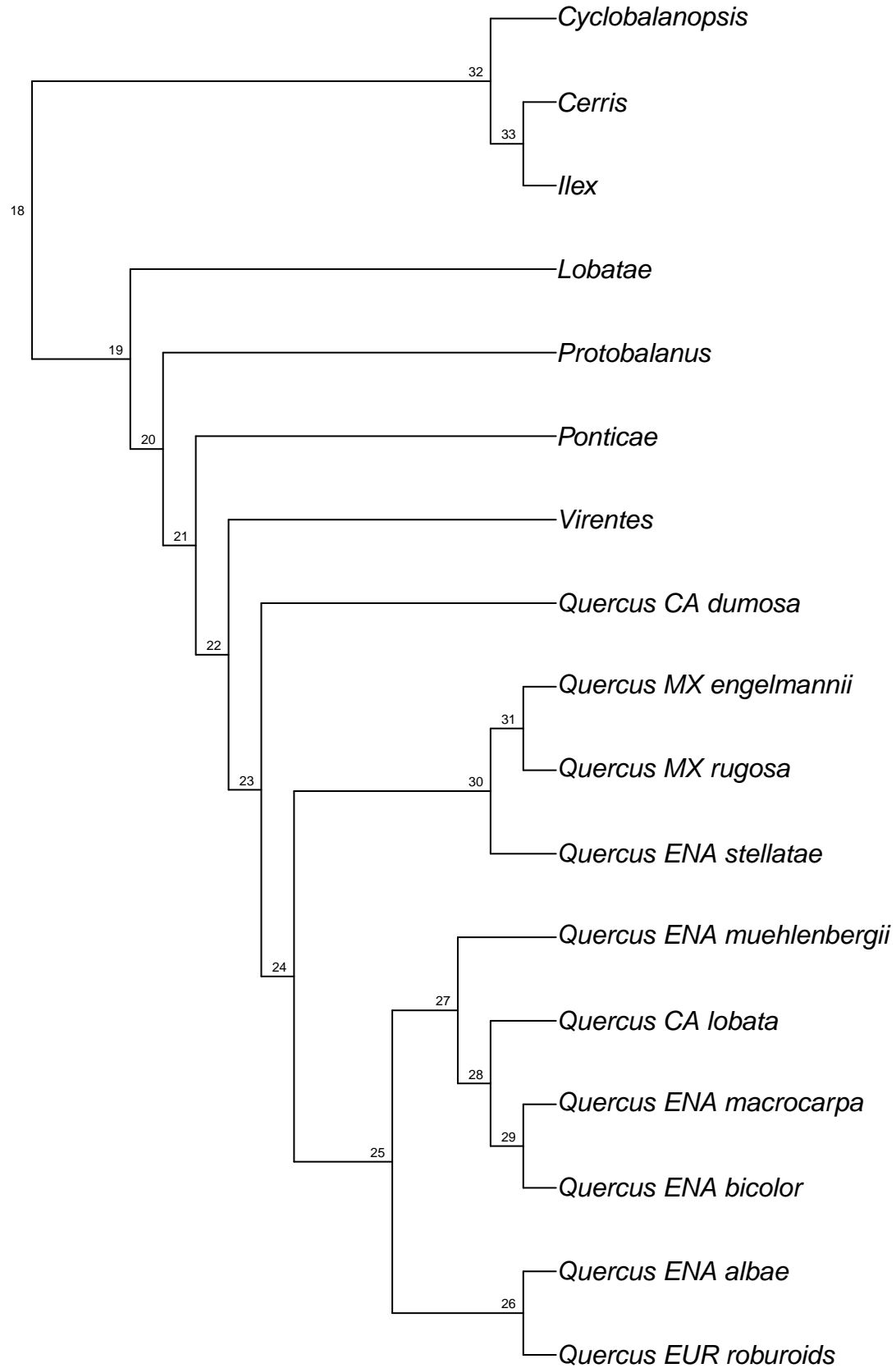
# reSeq.reseq\_Qalba.bt035



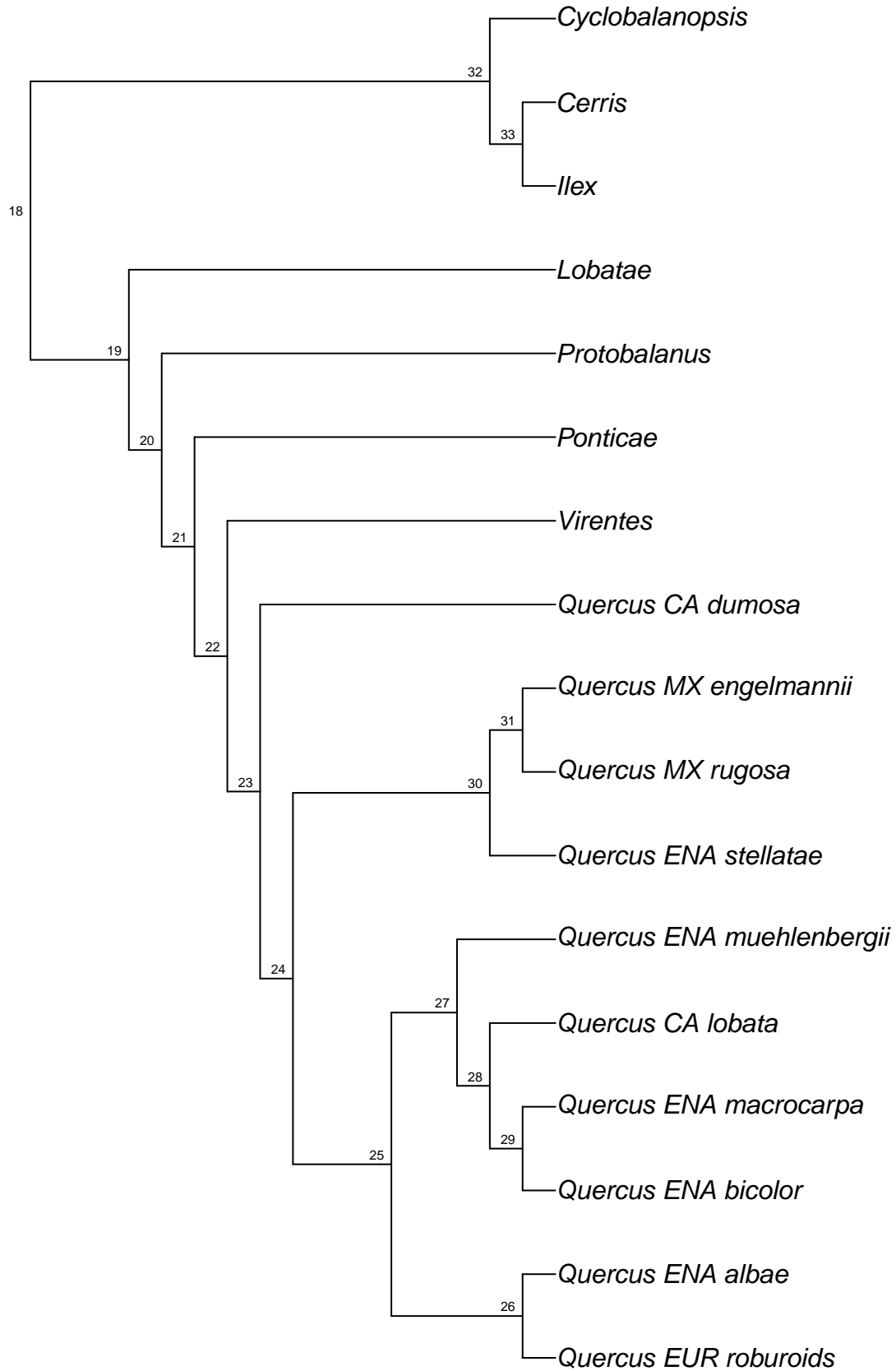
# reSeq.reseq\_Qalba.bt036



# reSeq.reseq\_Qalba.bt037



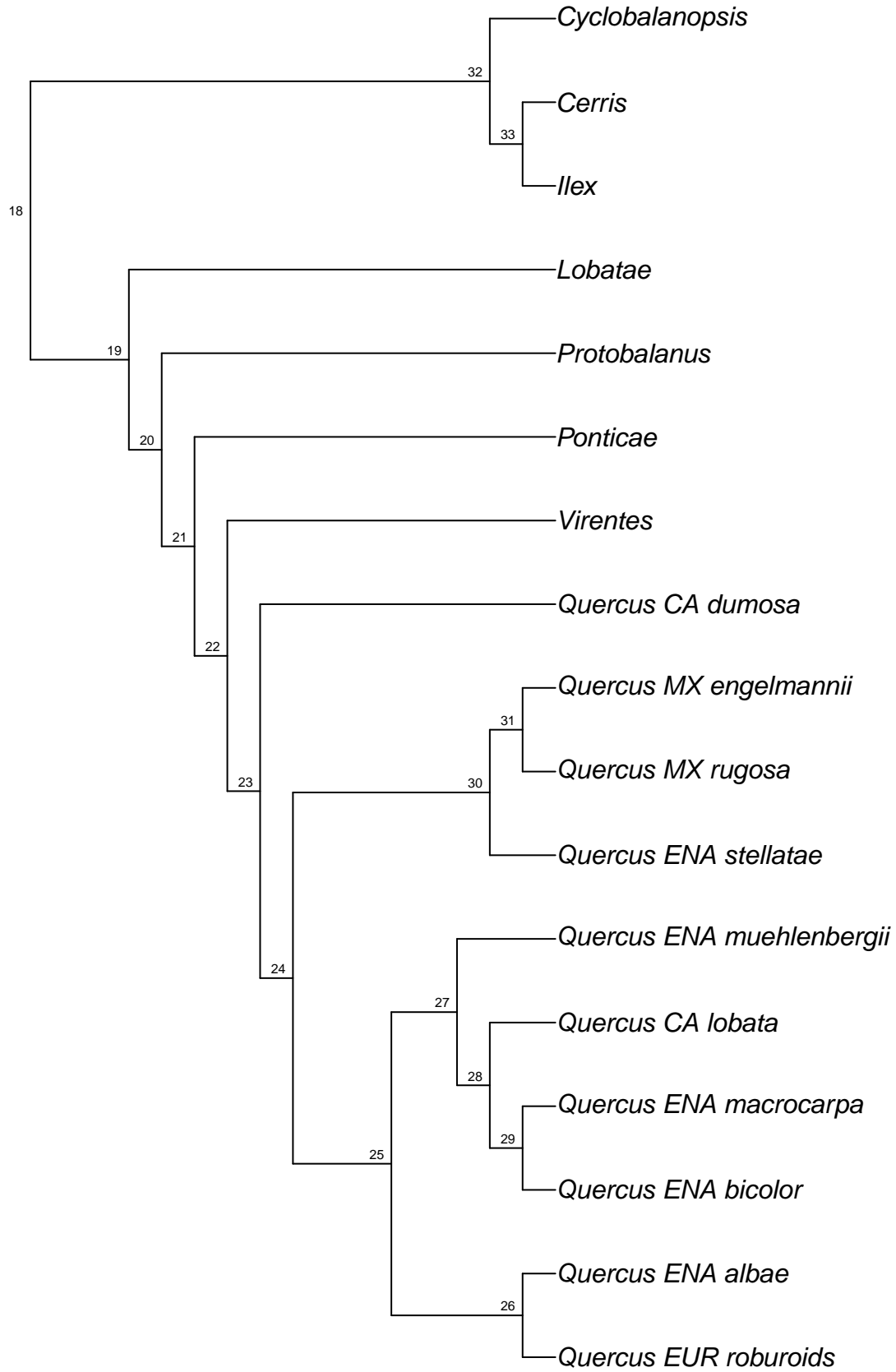
# reSeq.reseq\_Qalba.bt038



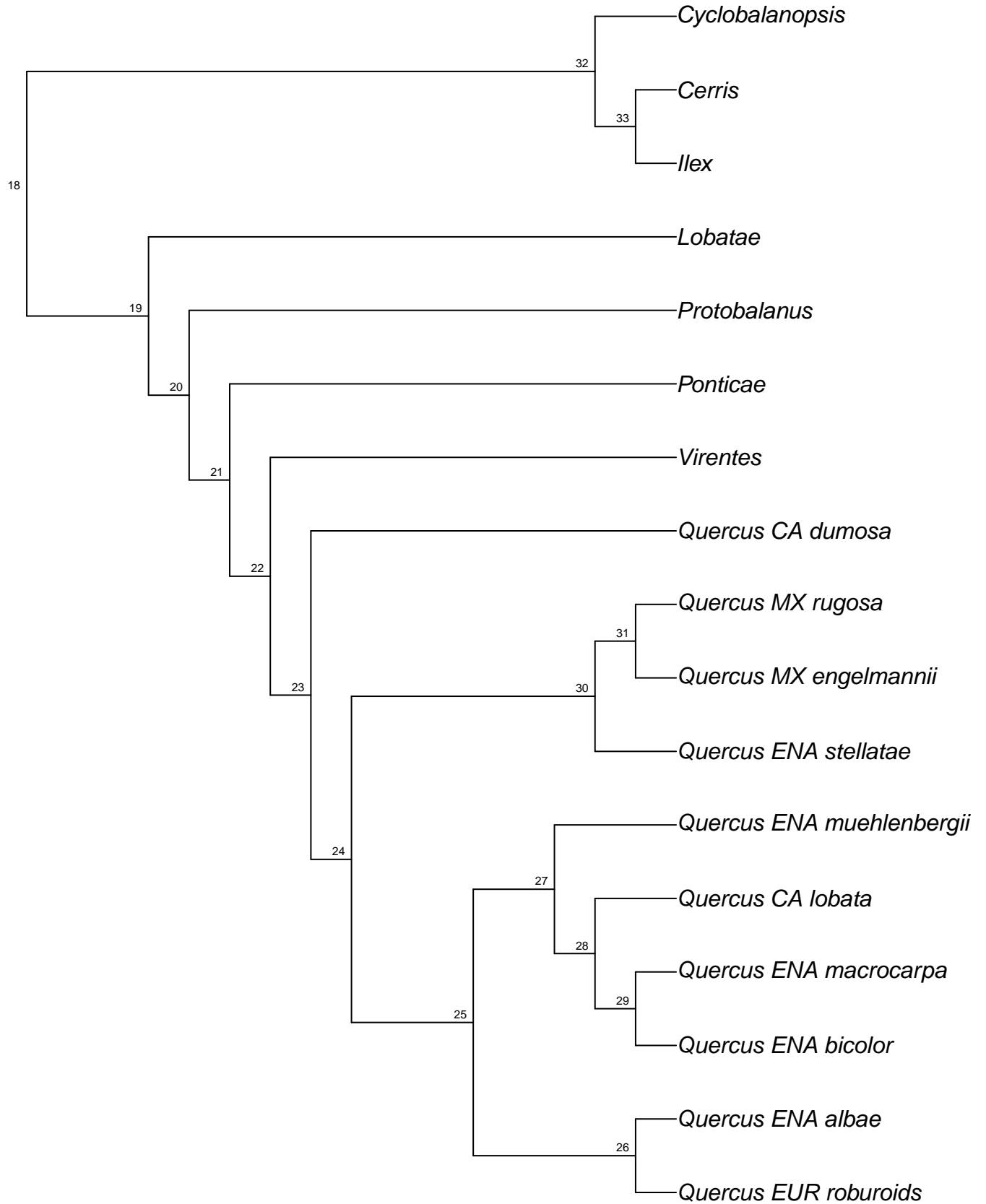
# reSeq.reseq\_Qalba.bt039



# reSeq.reseq\_Qalba.bt040

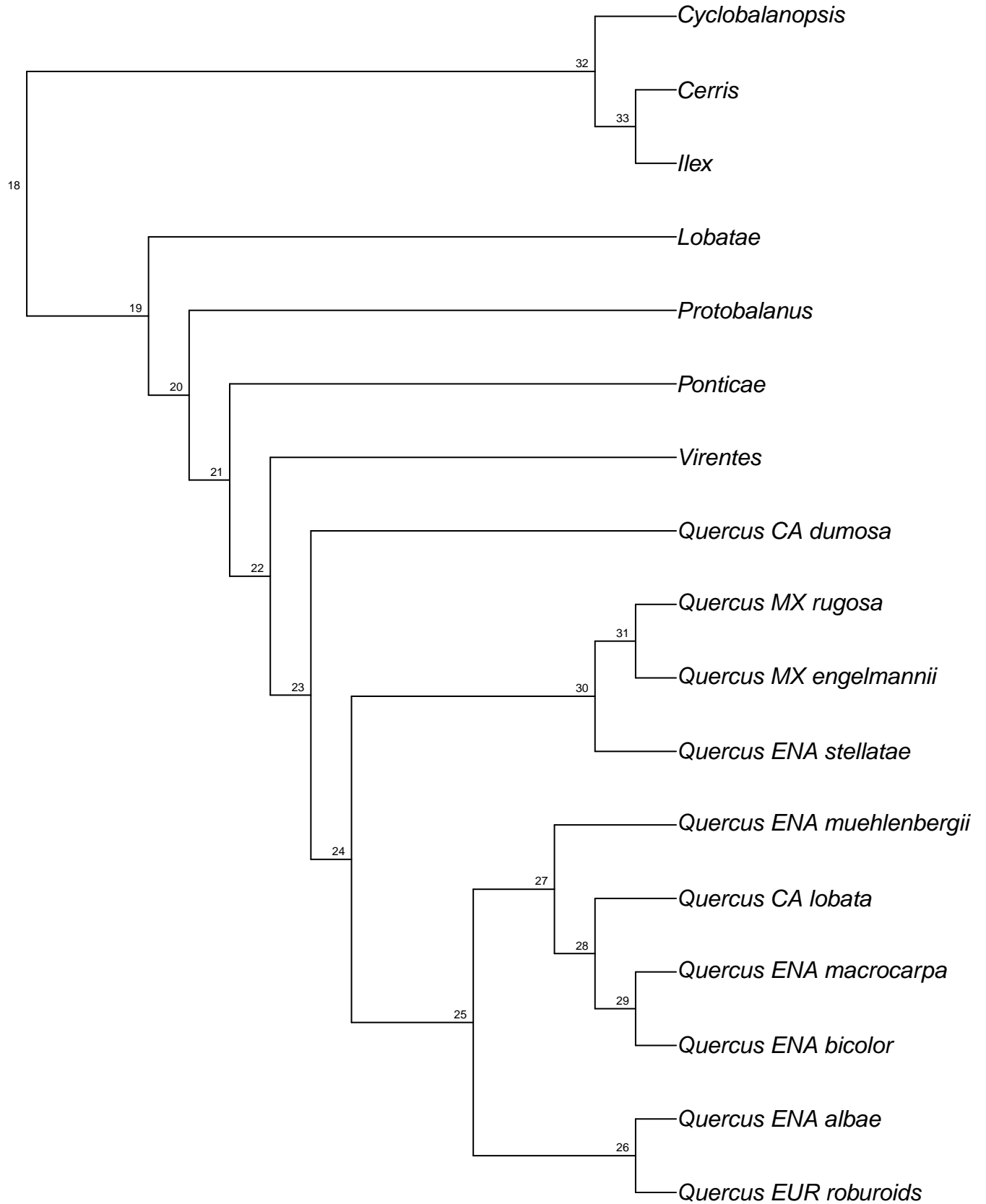


# reSeq.reseq\_Qalba.bt041

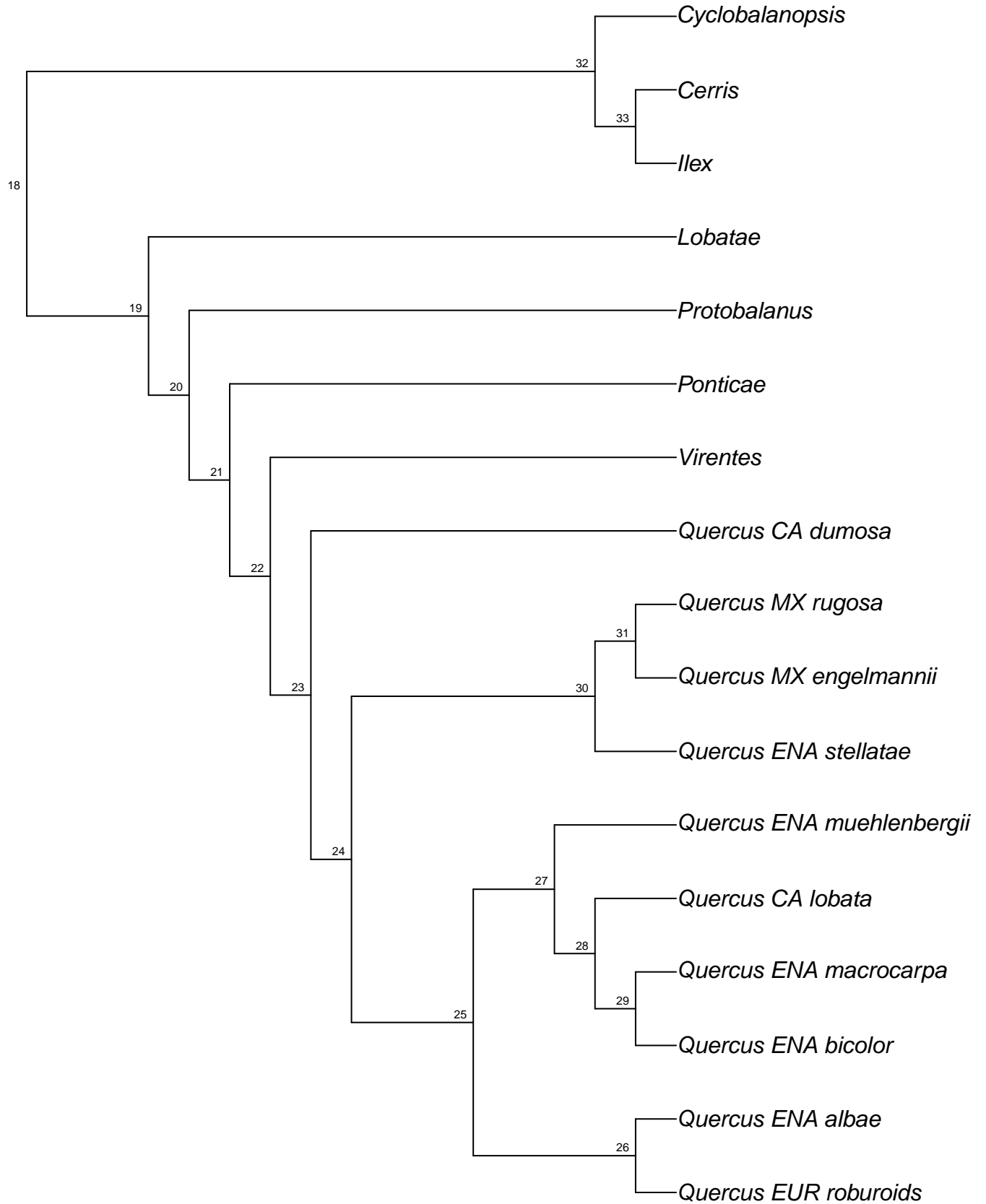




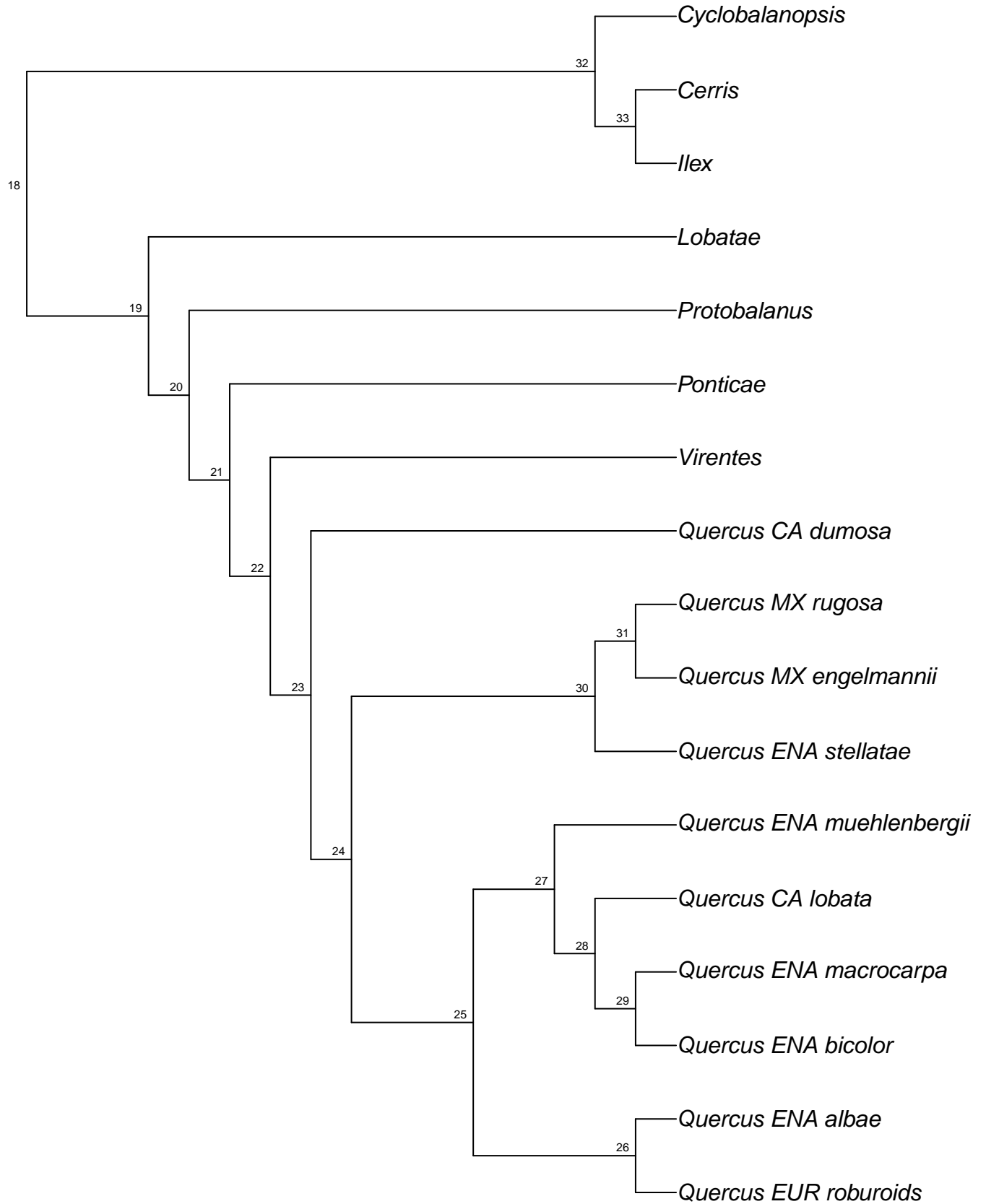
# reSeq.reseq\_Qalba.bt042



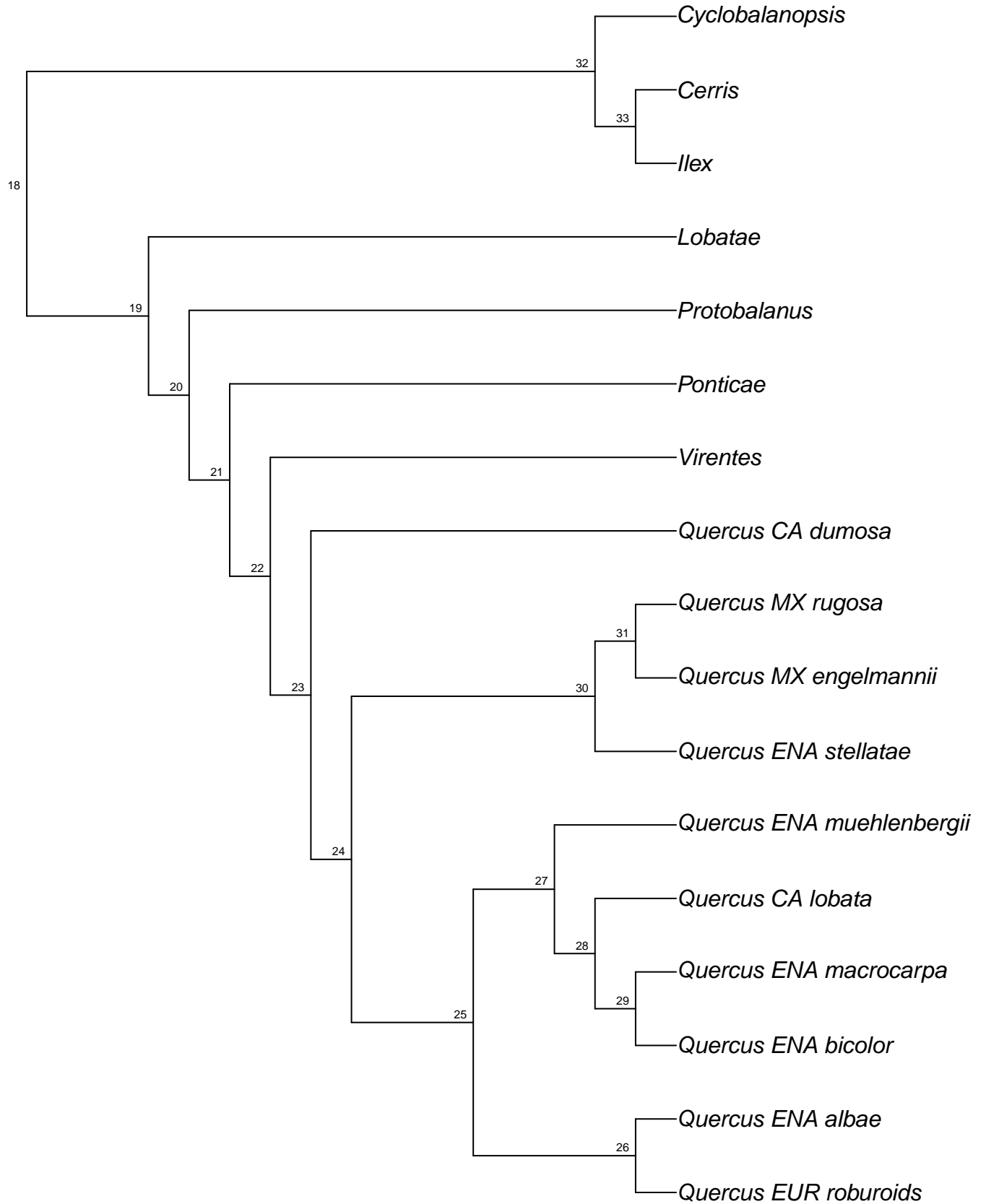
# reSeq.reseq\_Qalba.bt043



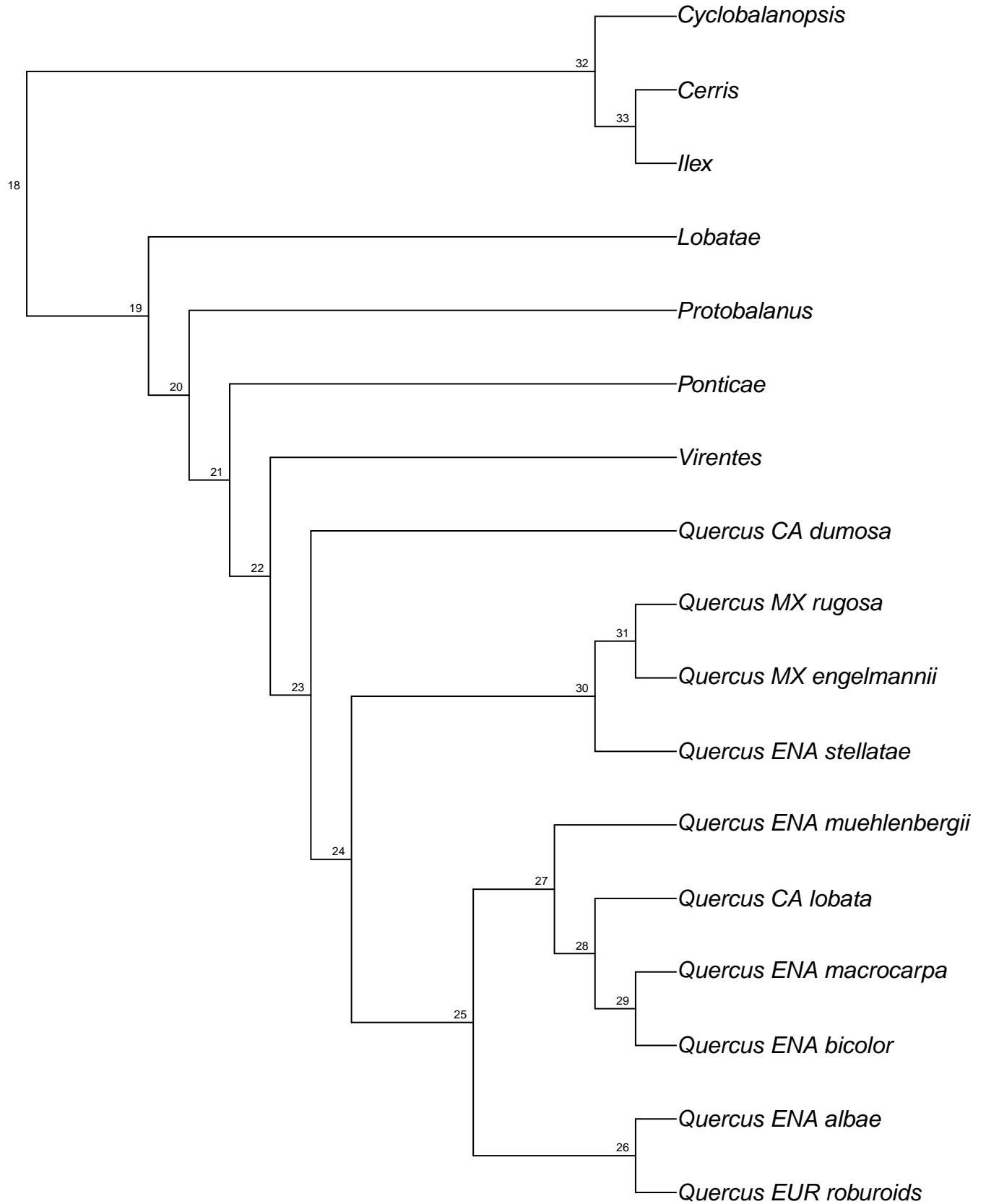
# reSeq.reseq\_Qalba.bt044



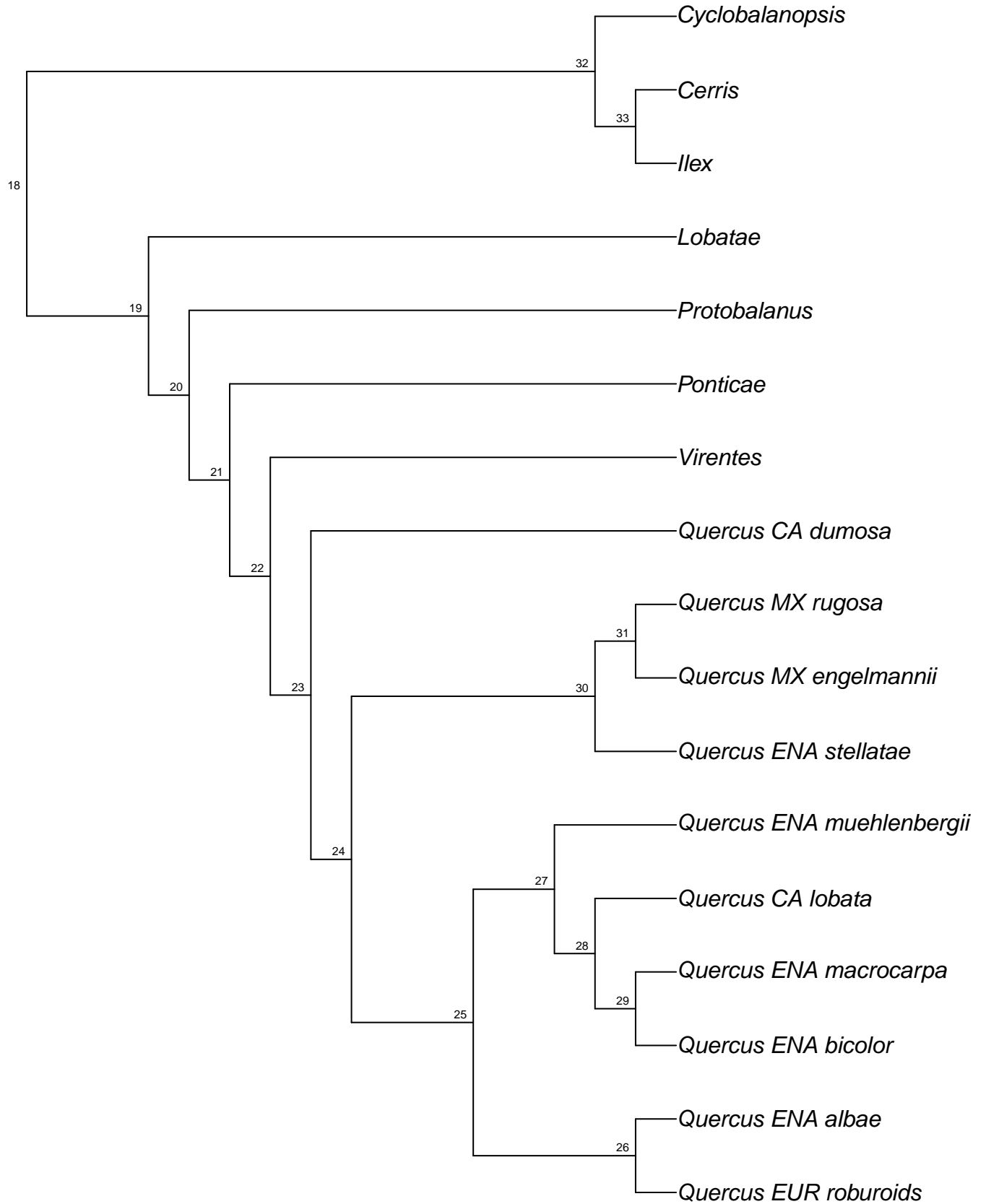
# reSeq.reseq\_Qalba.bt045



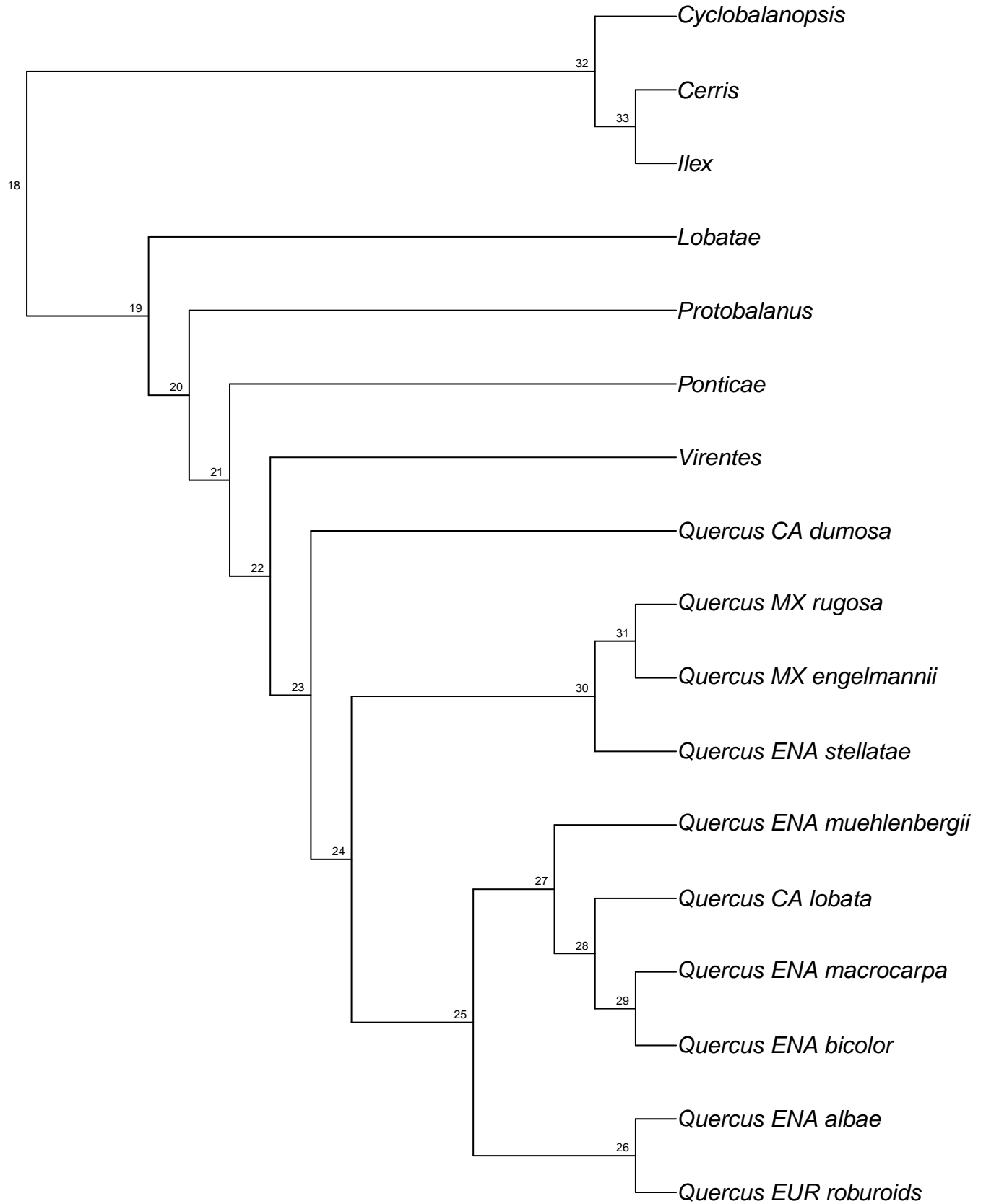
reSeq.reseq\_Qalba.bt046



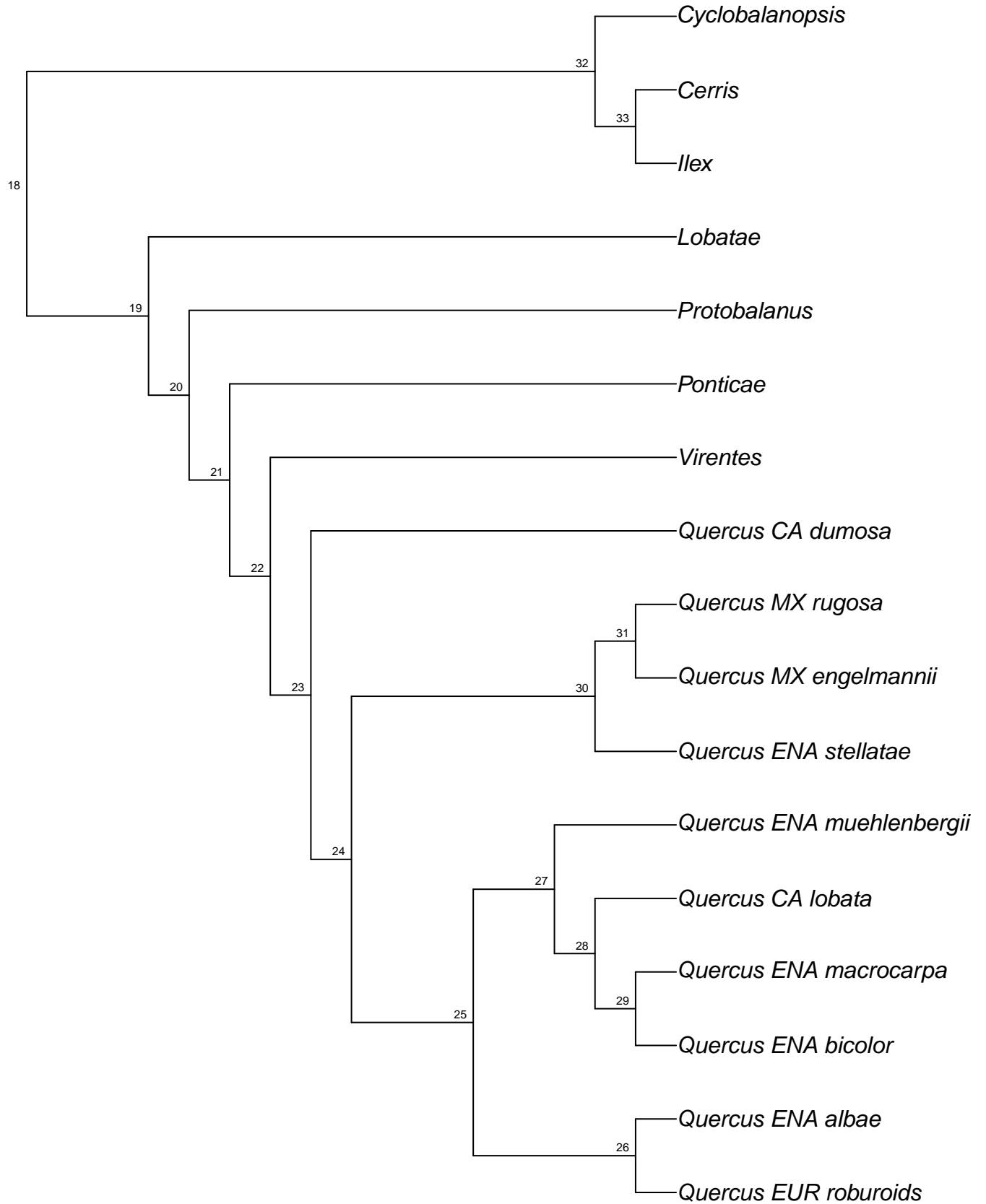
# reSeq.reseq\_Qalba.bt047



# reSeq.reseq\_Qalba.bt048

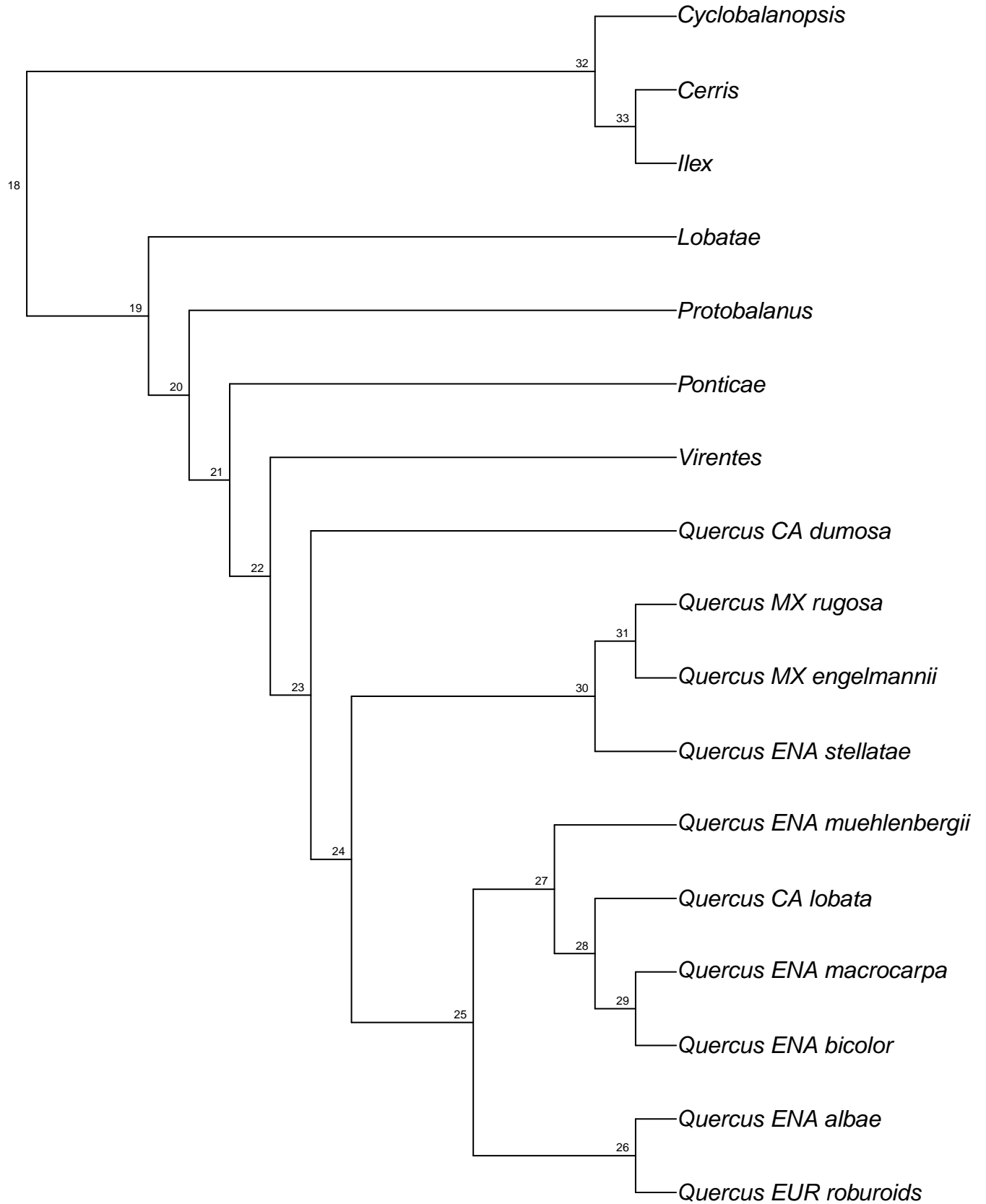


# reSeq.reseq\_Qalba.bt049

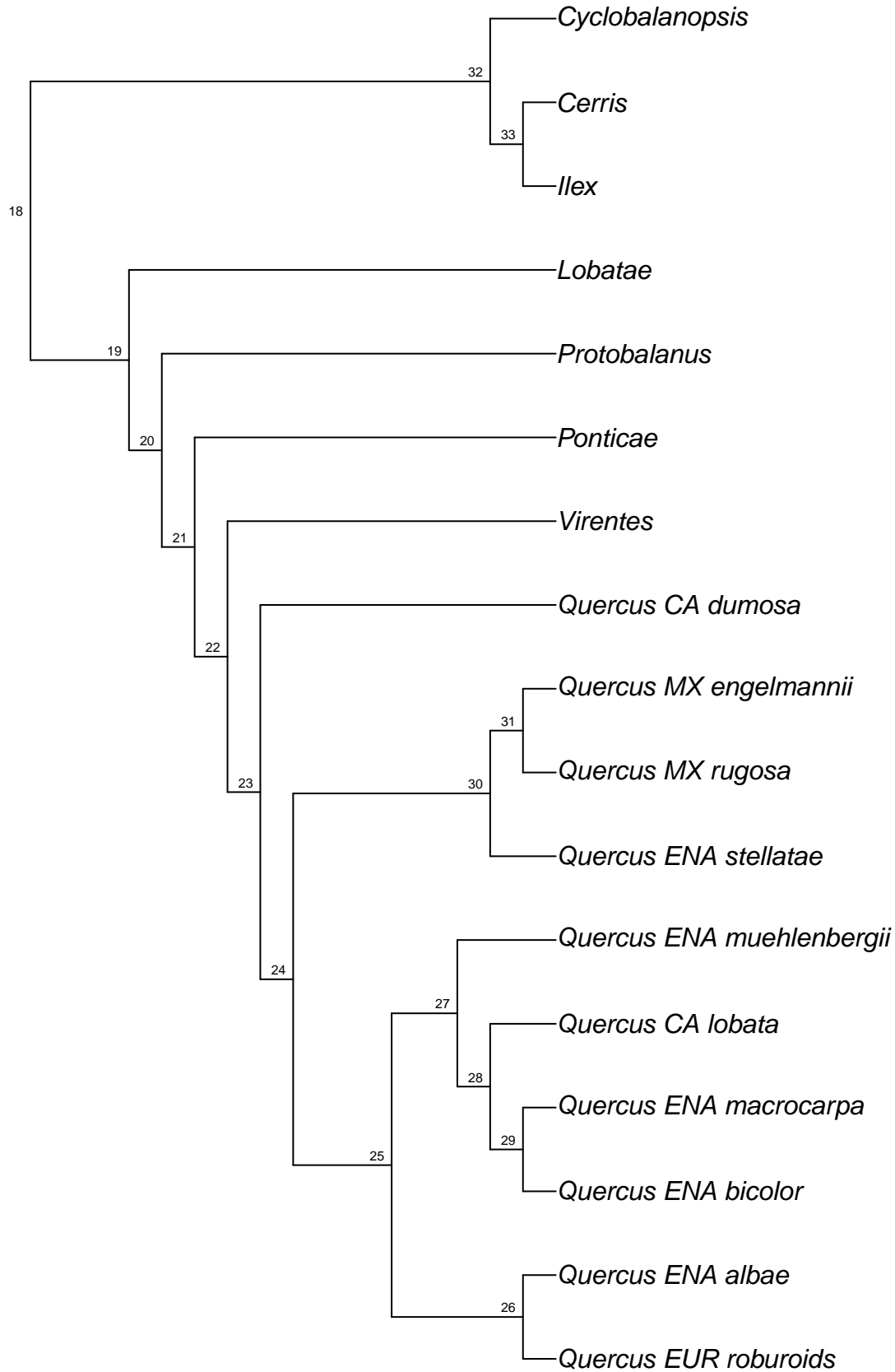




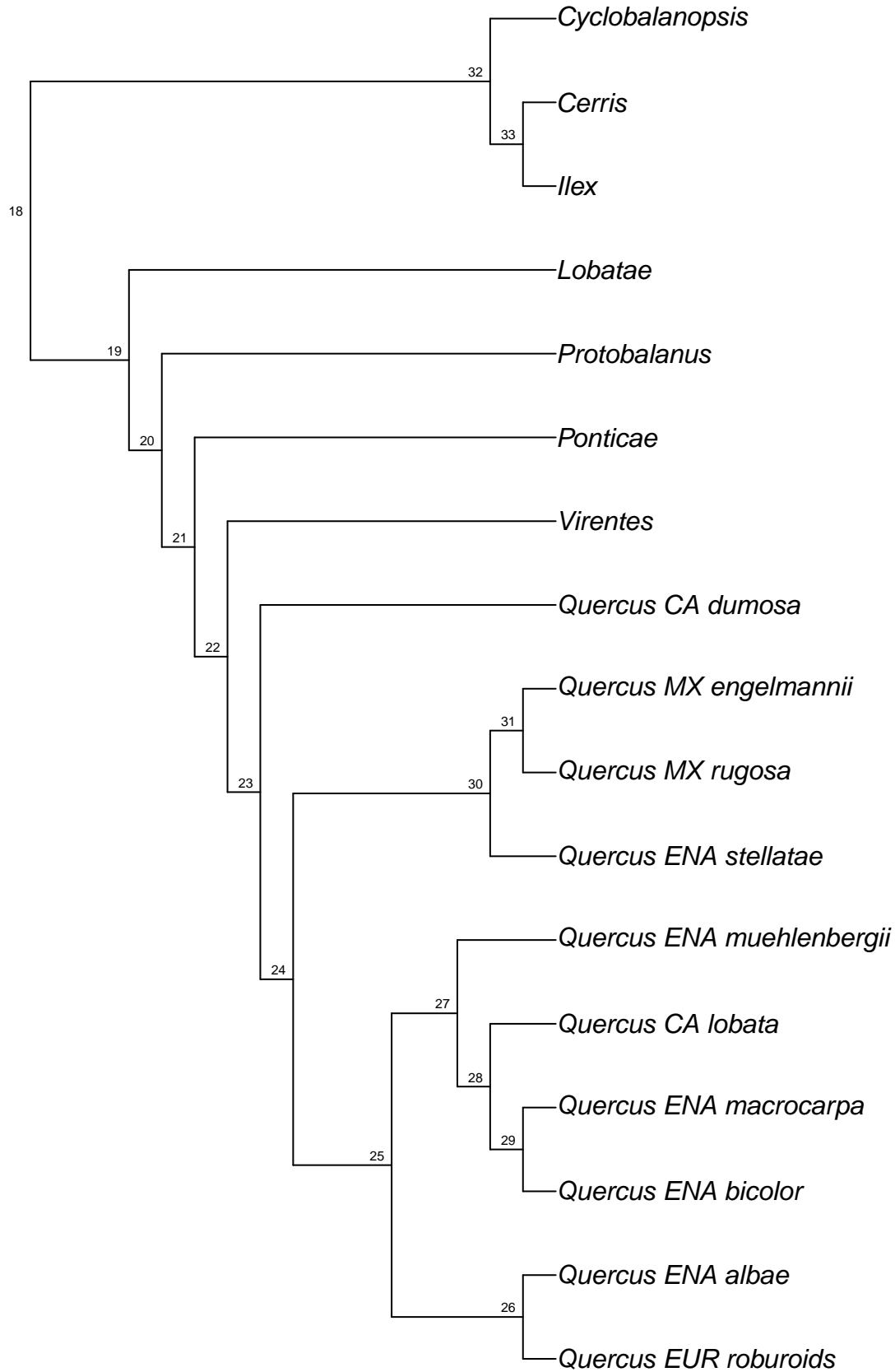
# reSeq.reseq\_Qalba.bt050



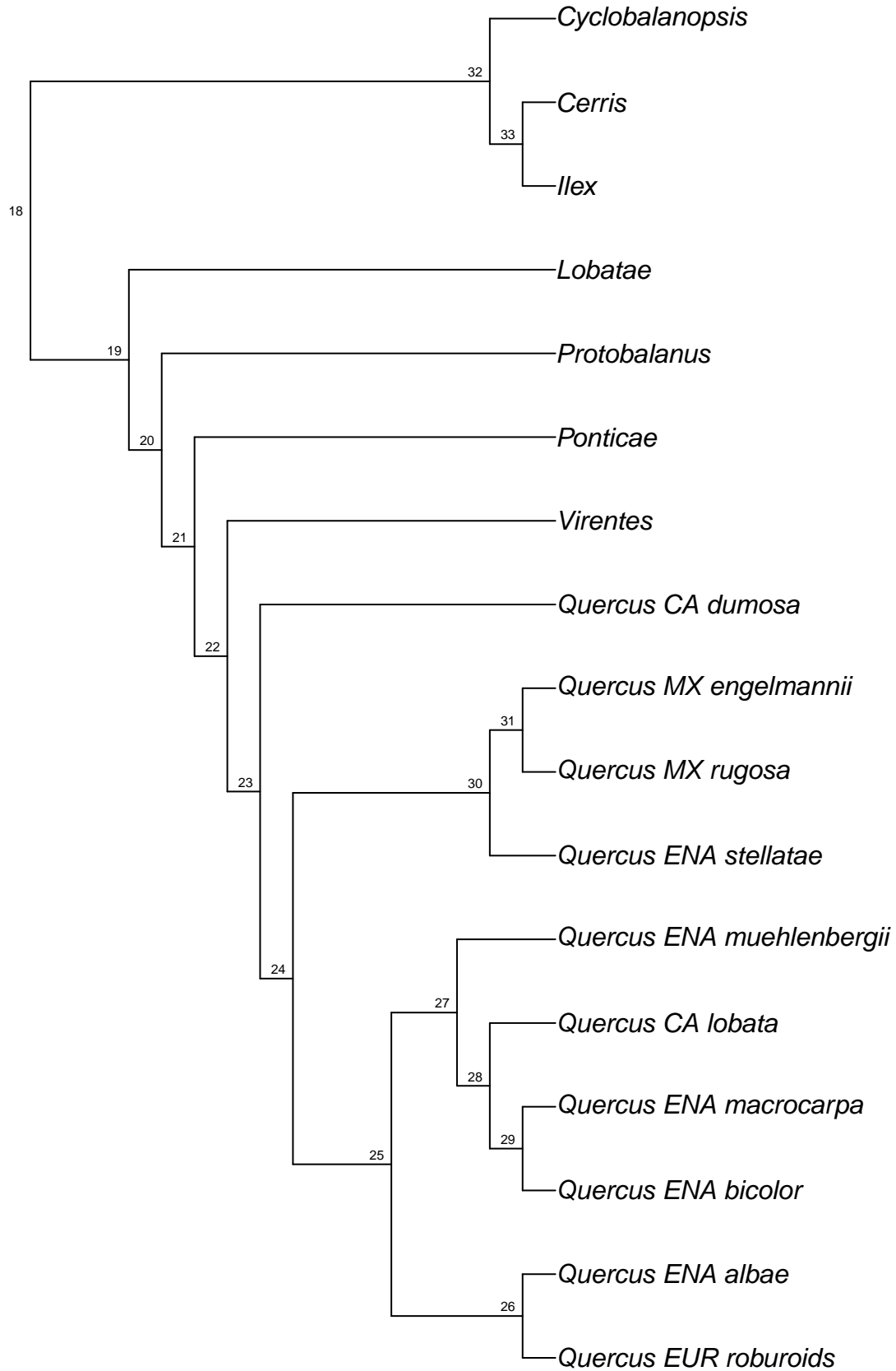
# reSeq.reseq\_Qalba.bt051



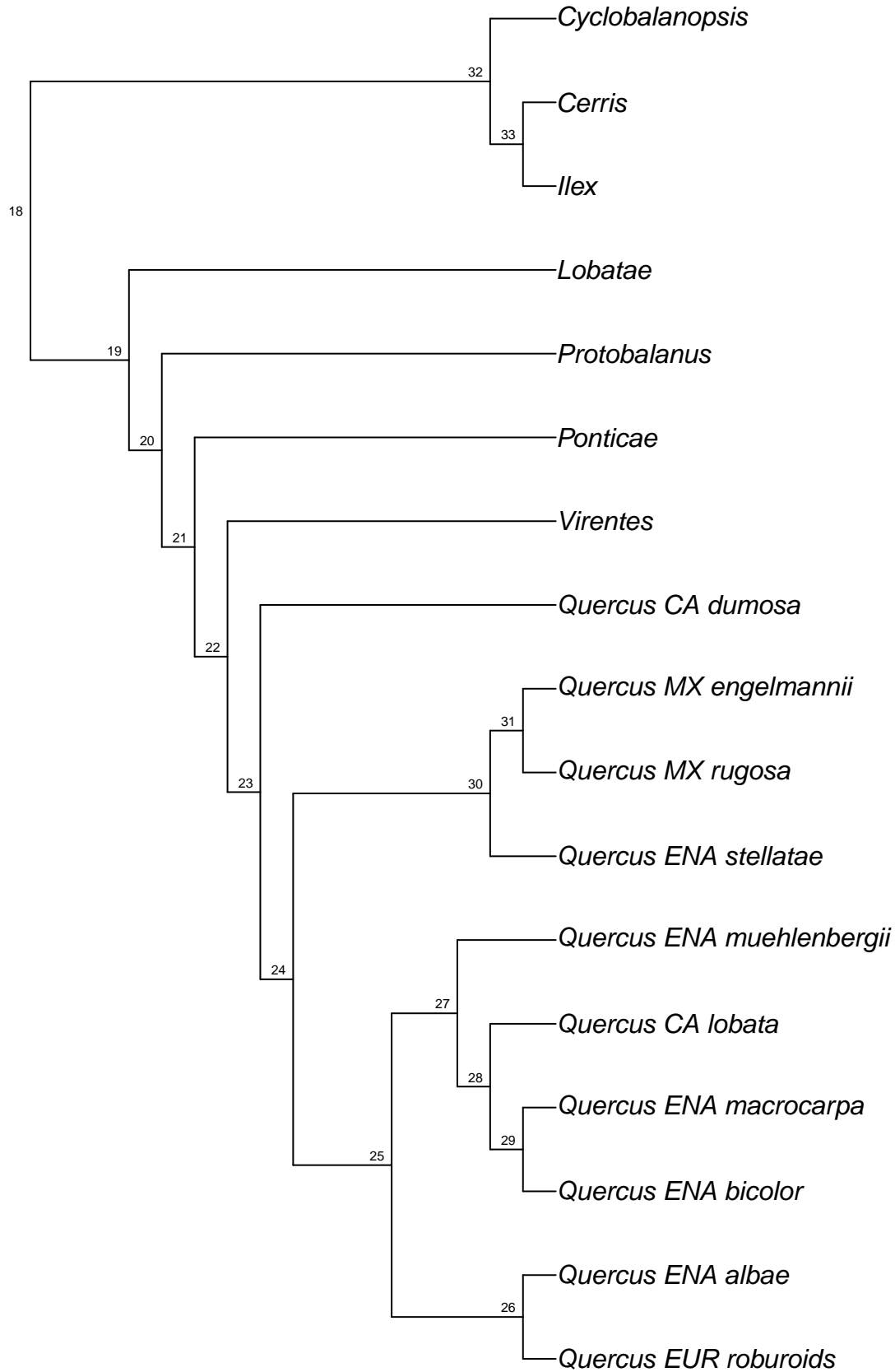
# reSeq.reseq\_Qalba.bt052



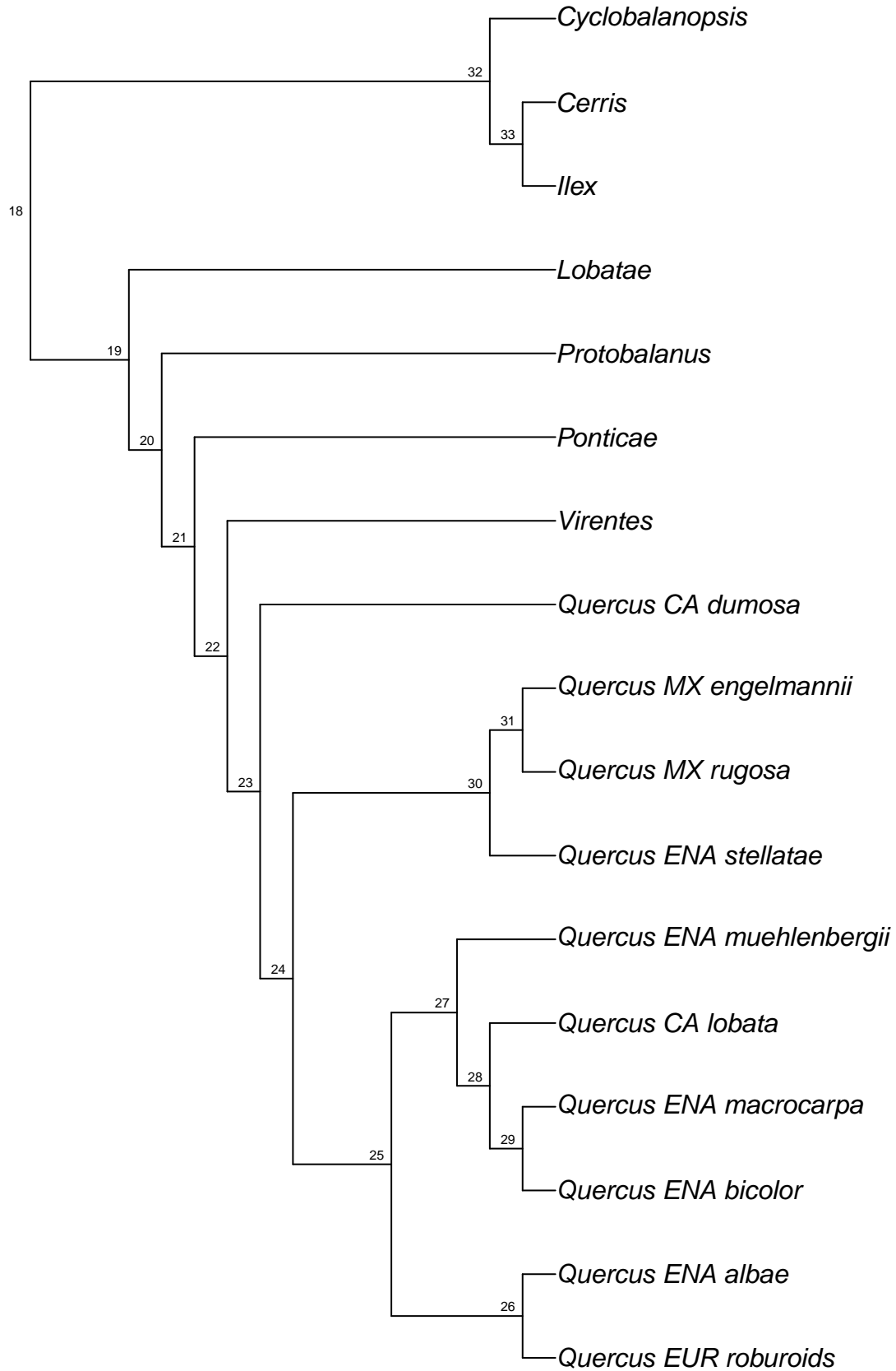
# reSeq.reseq\_Qalba.bt053



# reSeq.reseq\_Qalba.bt054



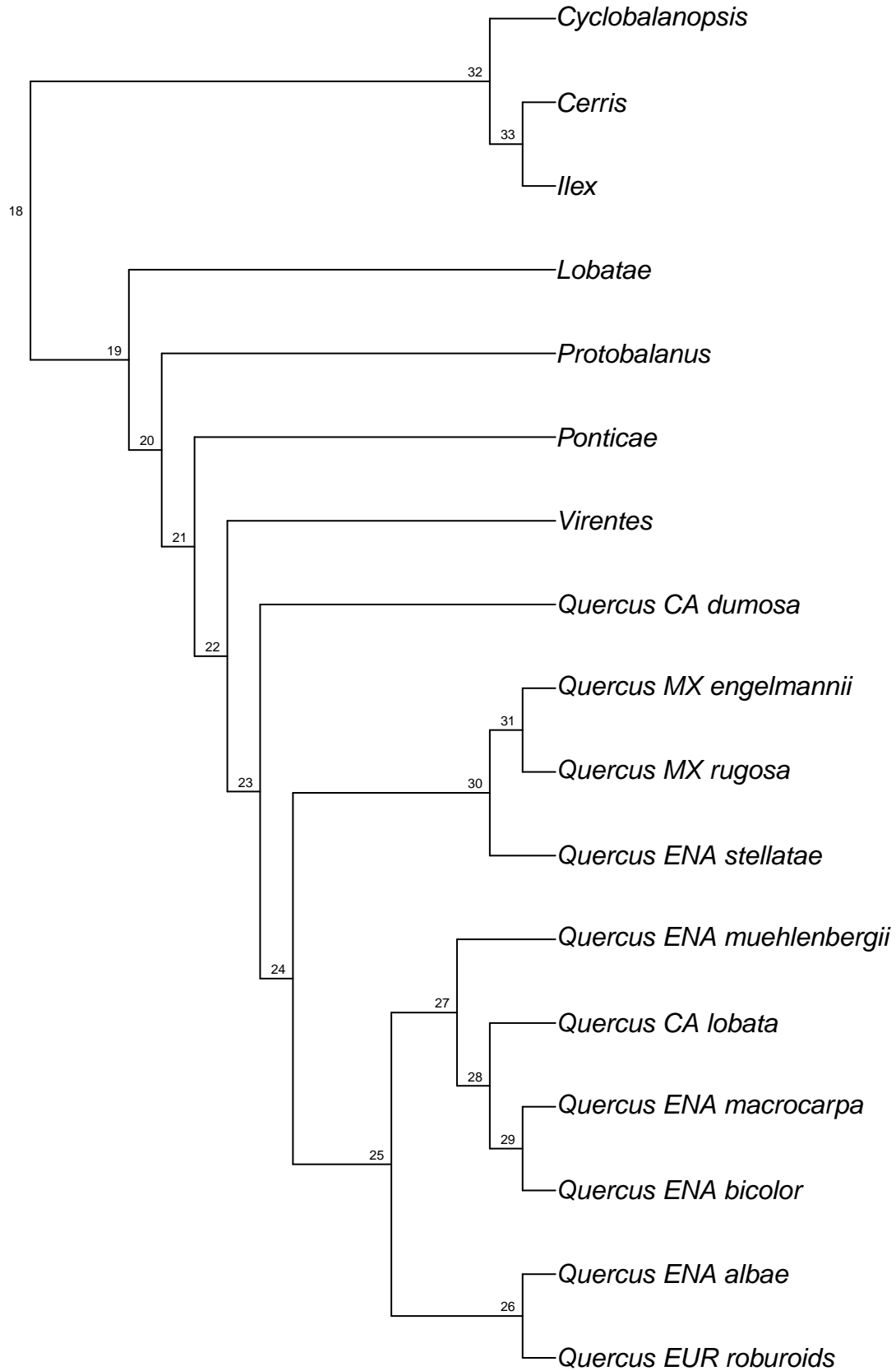
# reSeq.reseq\_Qalba.bt055



reSeq.reseq\_Qalba.bt056

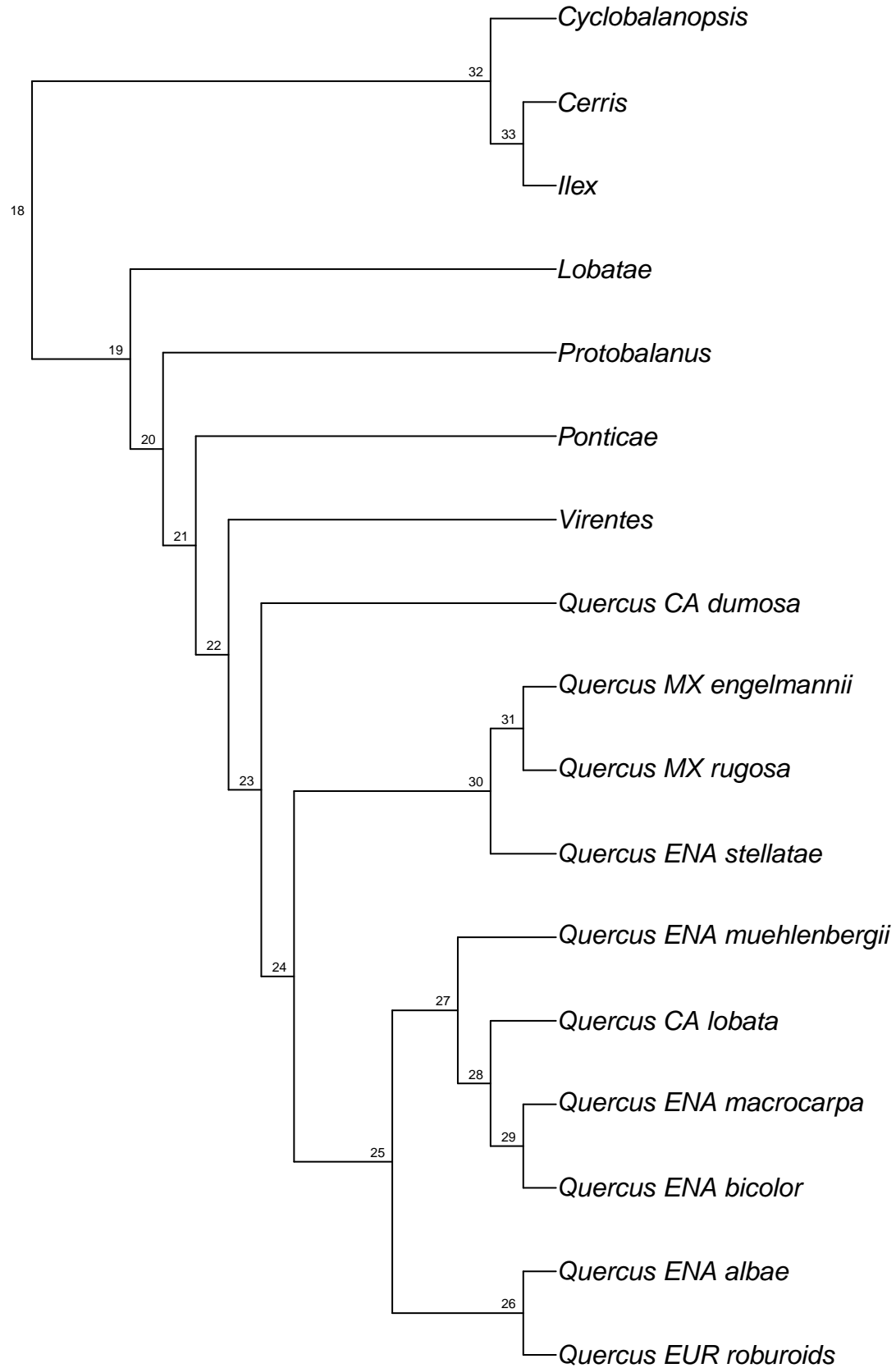


# reSeq.reseq\_Qalba.bt057

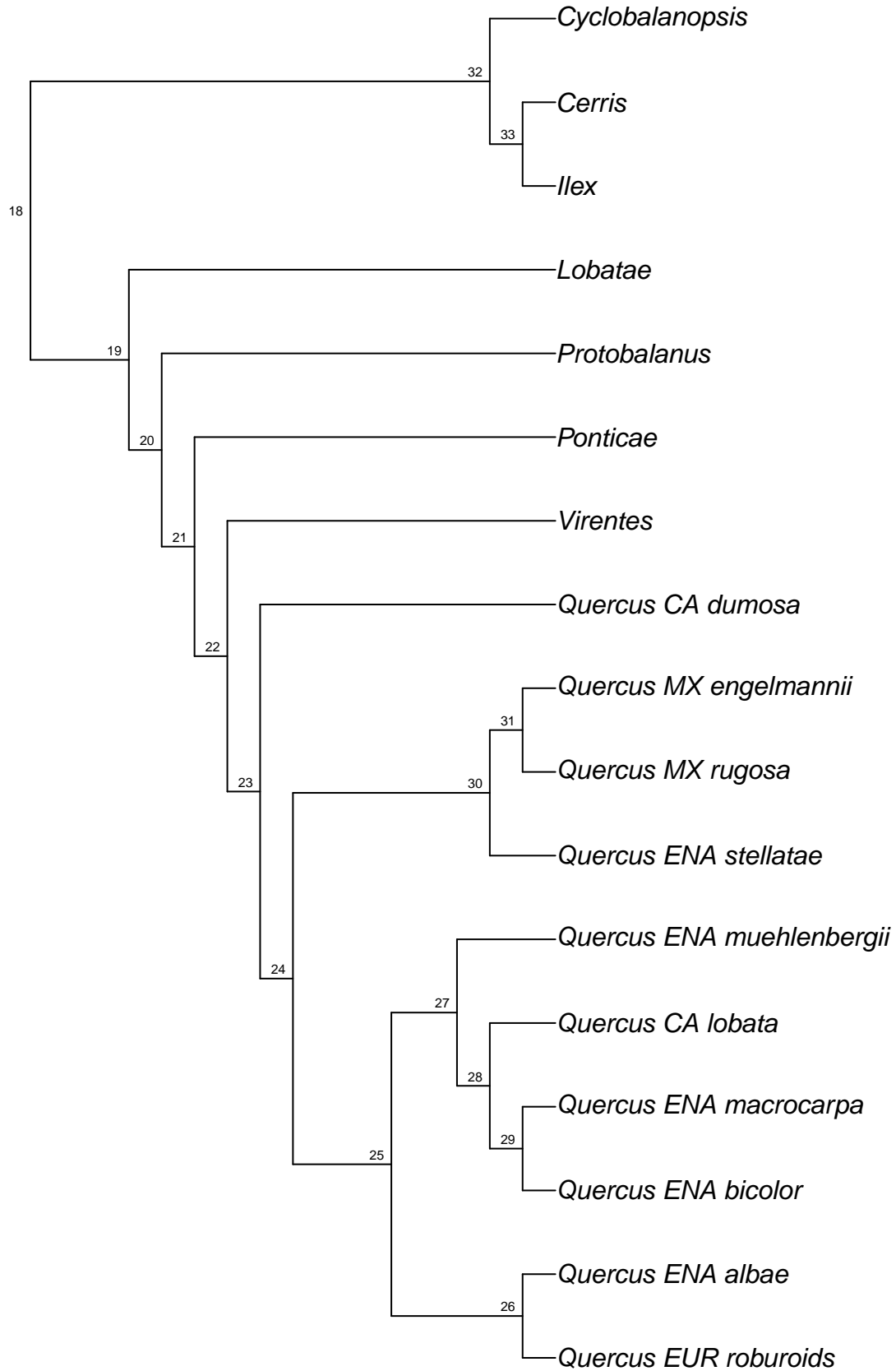




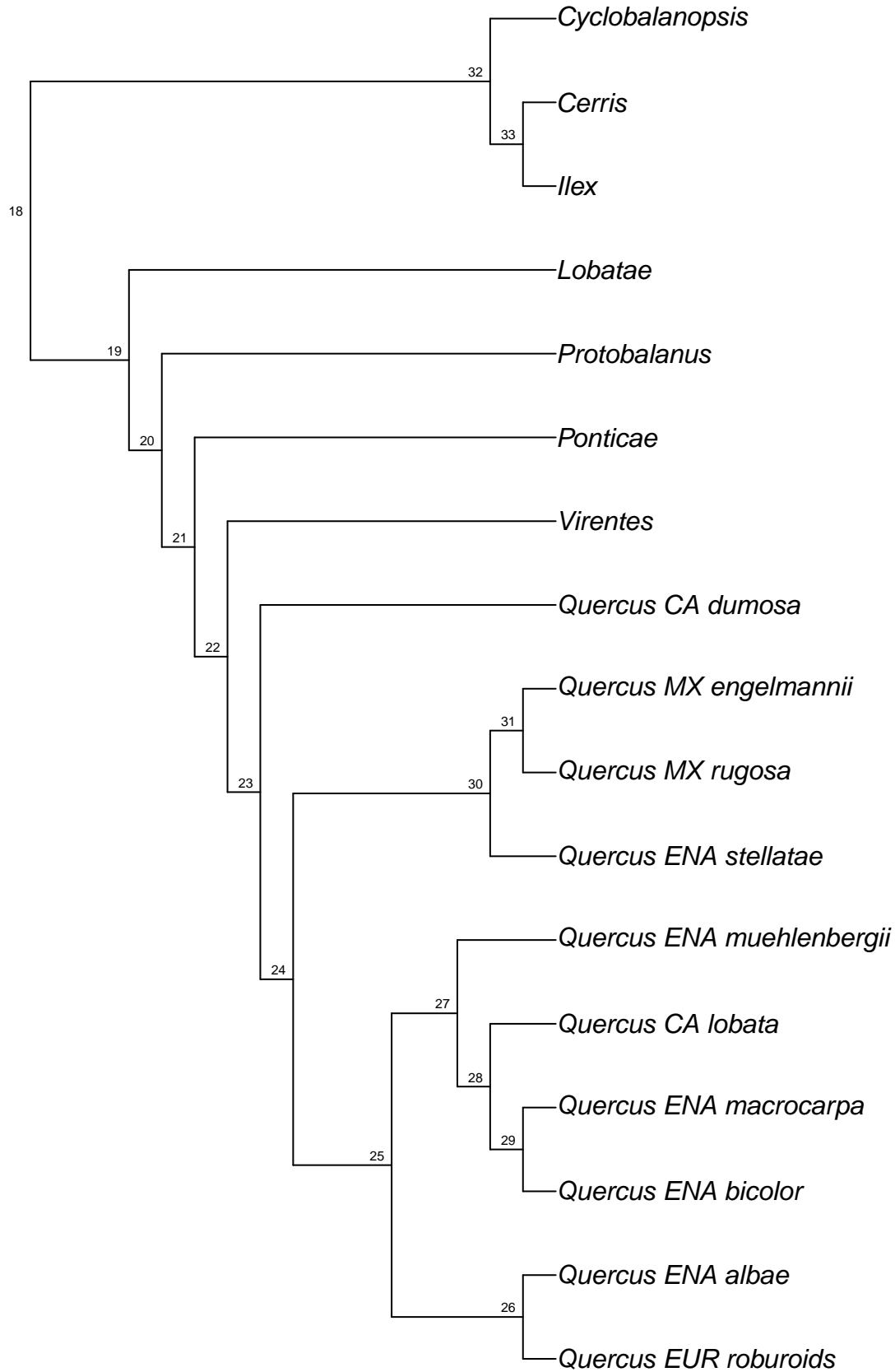
# reSeq.reseq\_Qalba.bt058



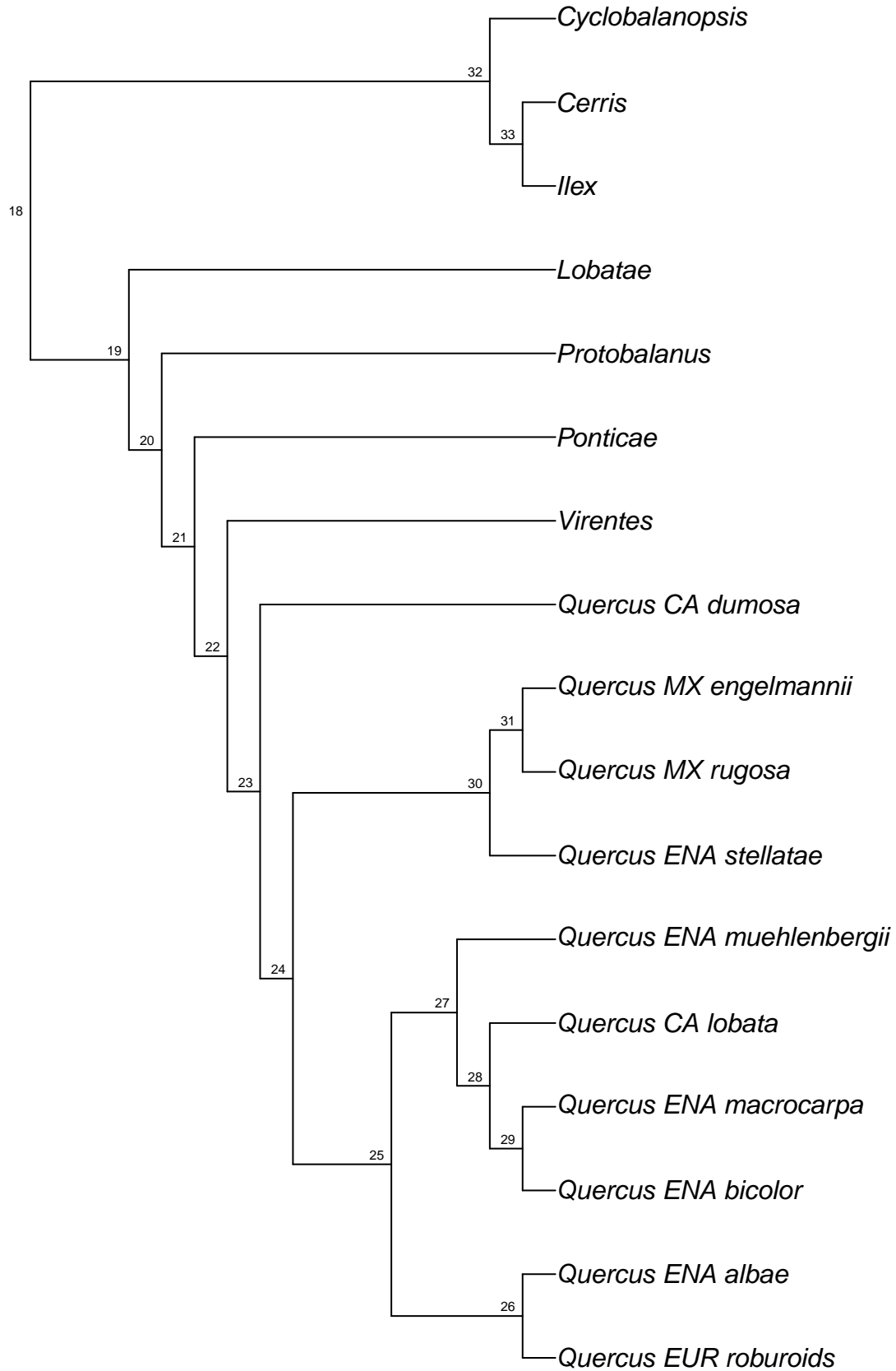
# reSeq.reseq\_Qalba.bt059



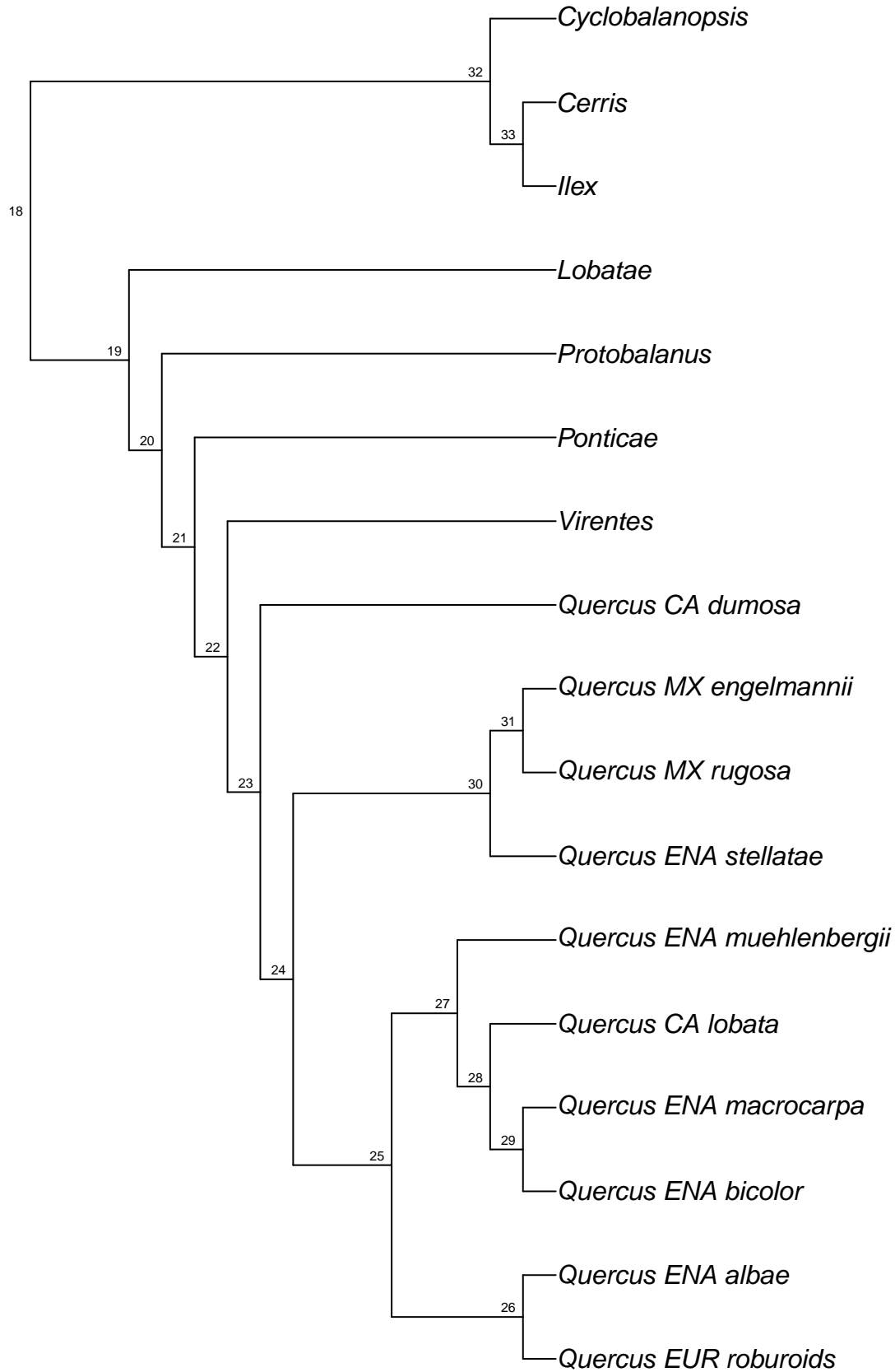
# reSeq.reseq\_Qalba.bt060



# reSeq.reseq\_Qalba.bt061



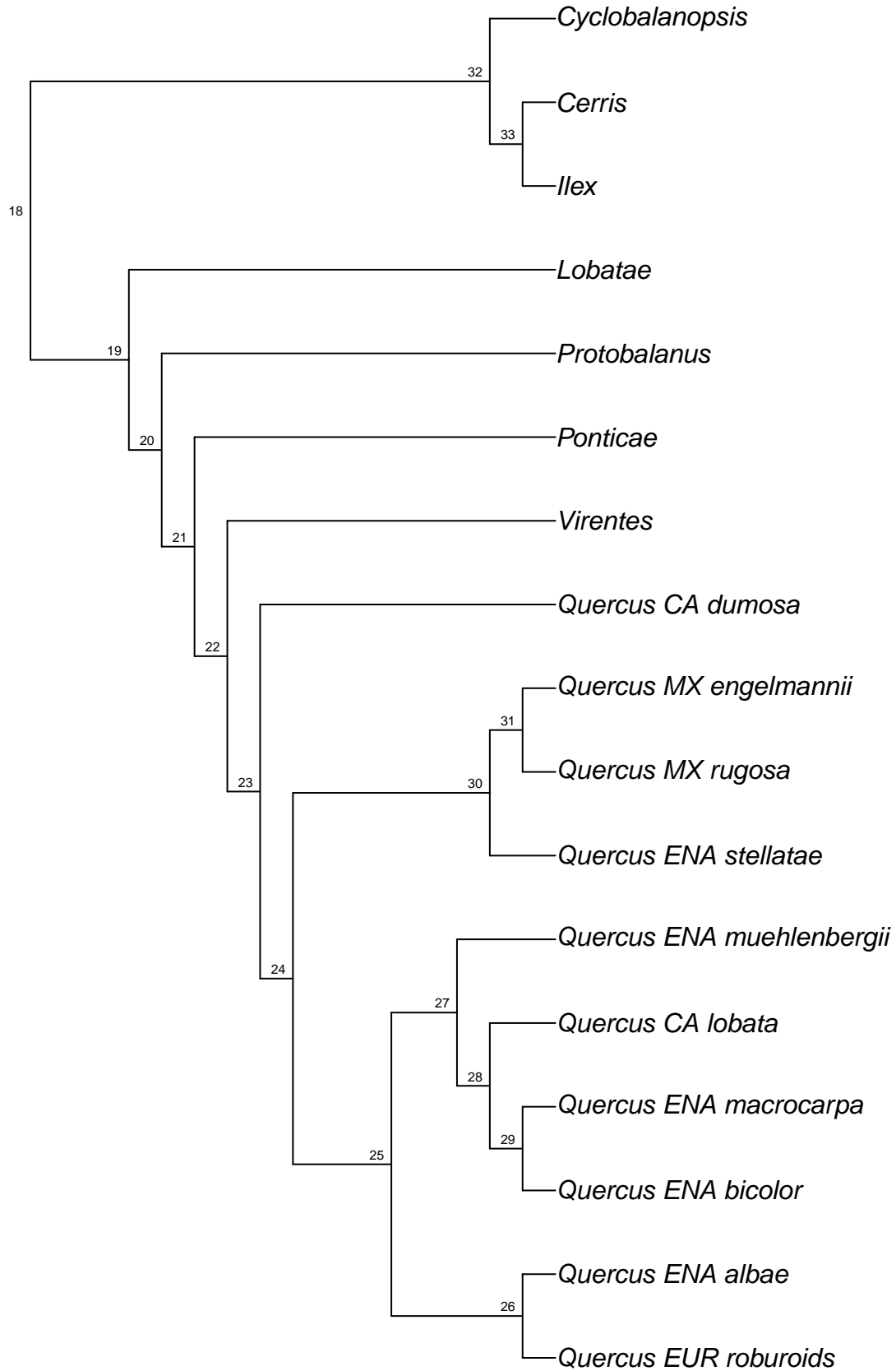
# reSeq.reseq\_Qalba.bt062



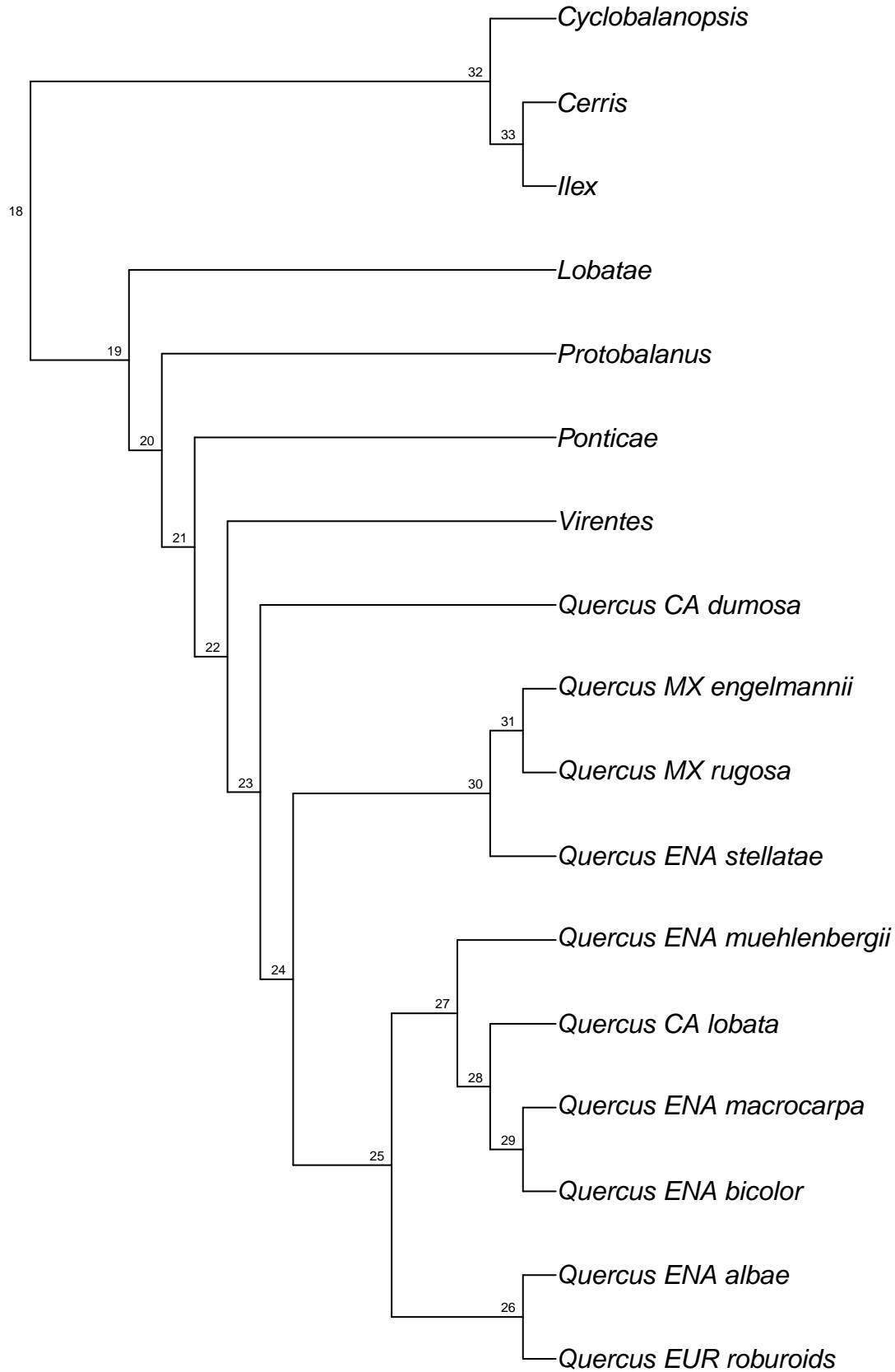
# reSeq.reseq\_Qalba.bt063



# reSeq.reseq\_Qalba.bt064

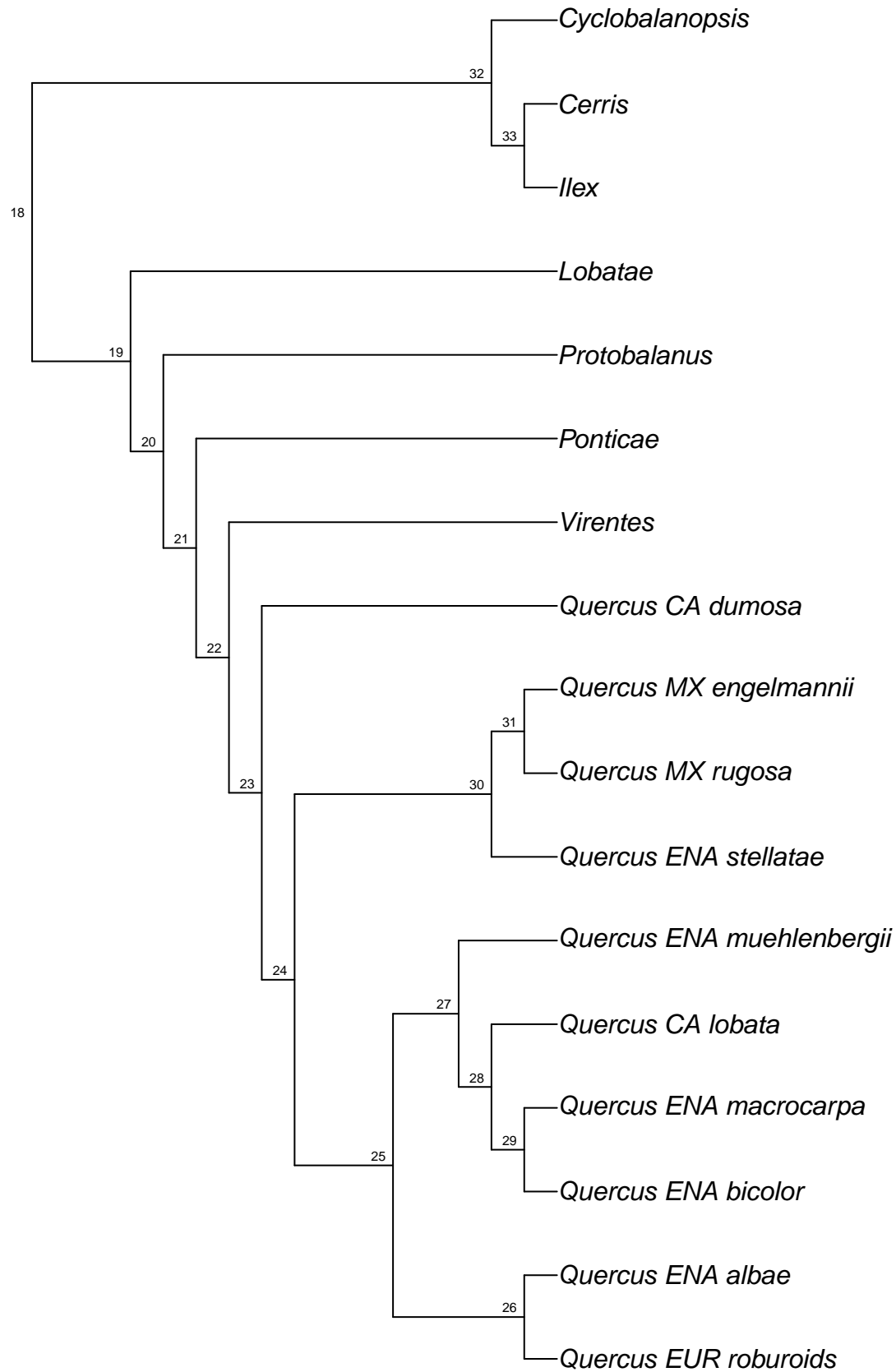


# reSeq.reseq\_Qalba.bt065

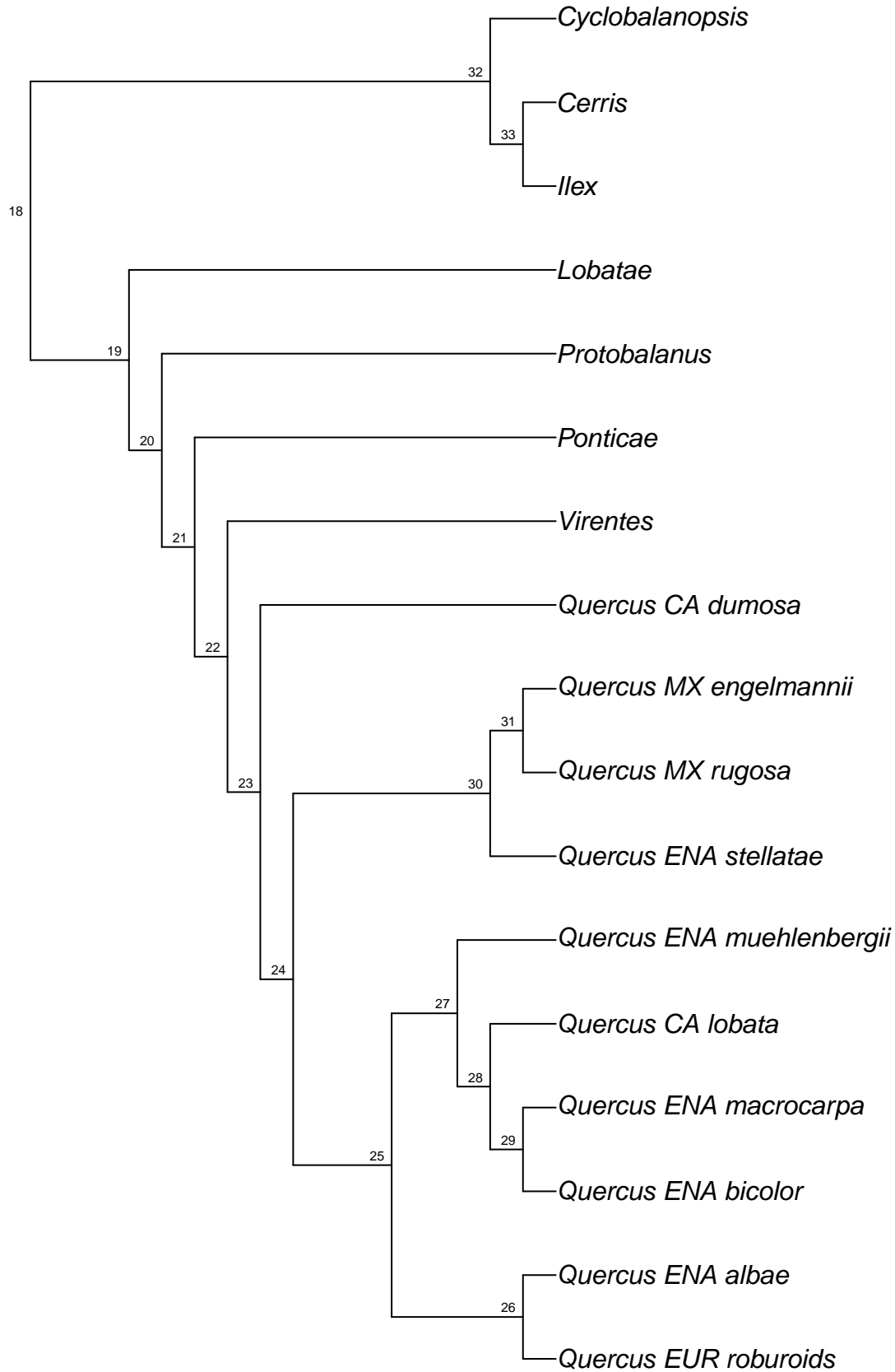




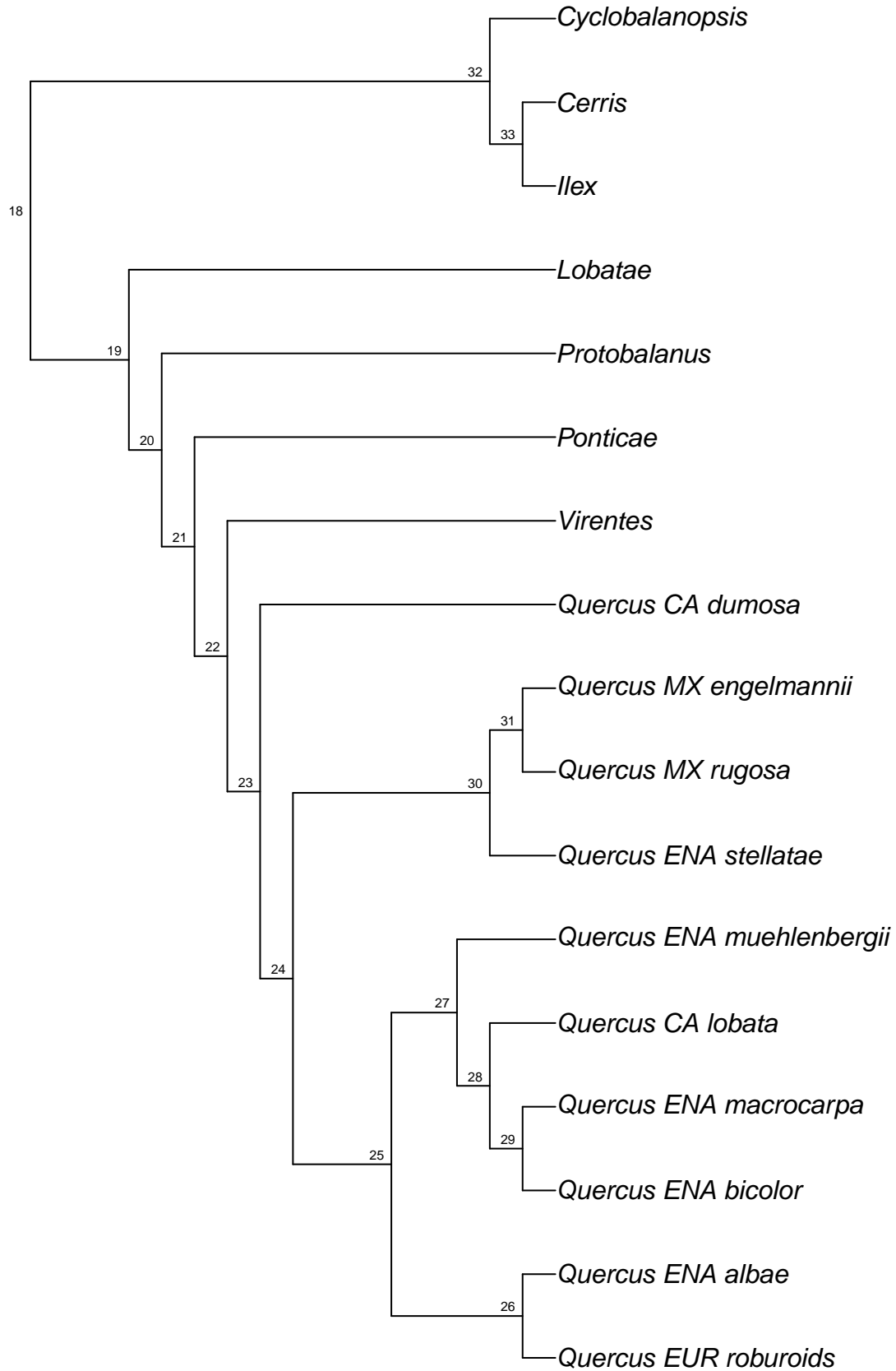
# reSeq.reseq\_Qalba.bt066



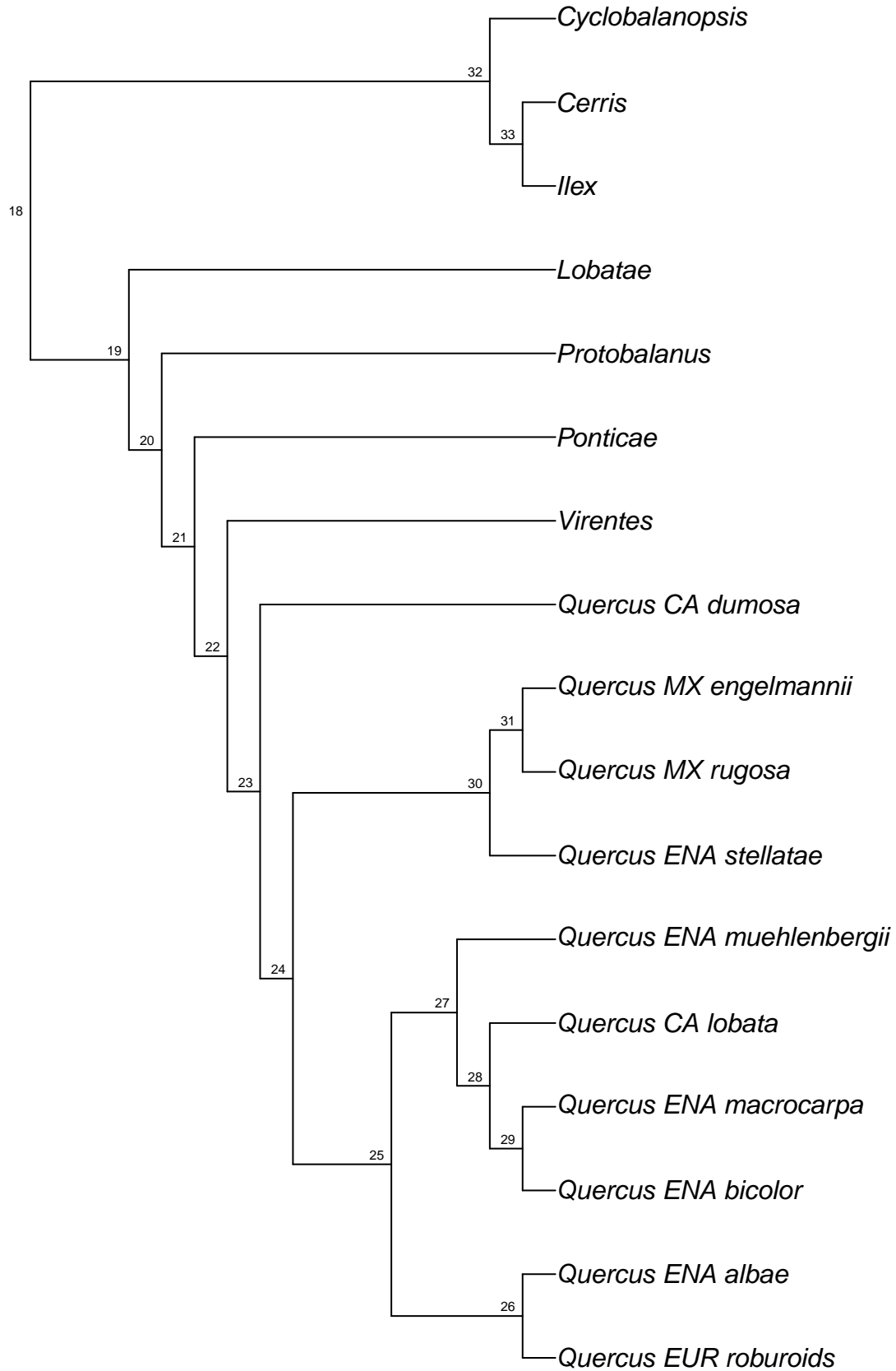
# reSeq.reseq\_Qalba.bt067



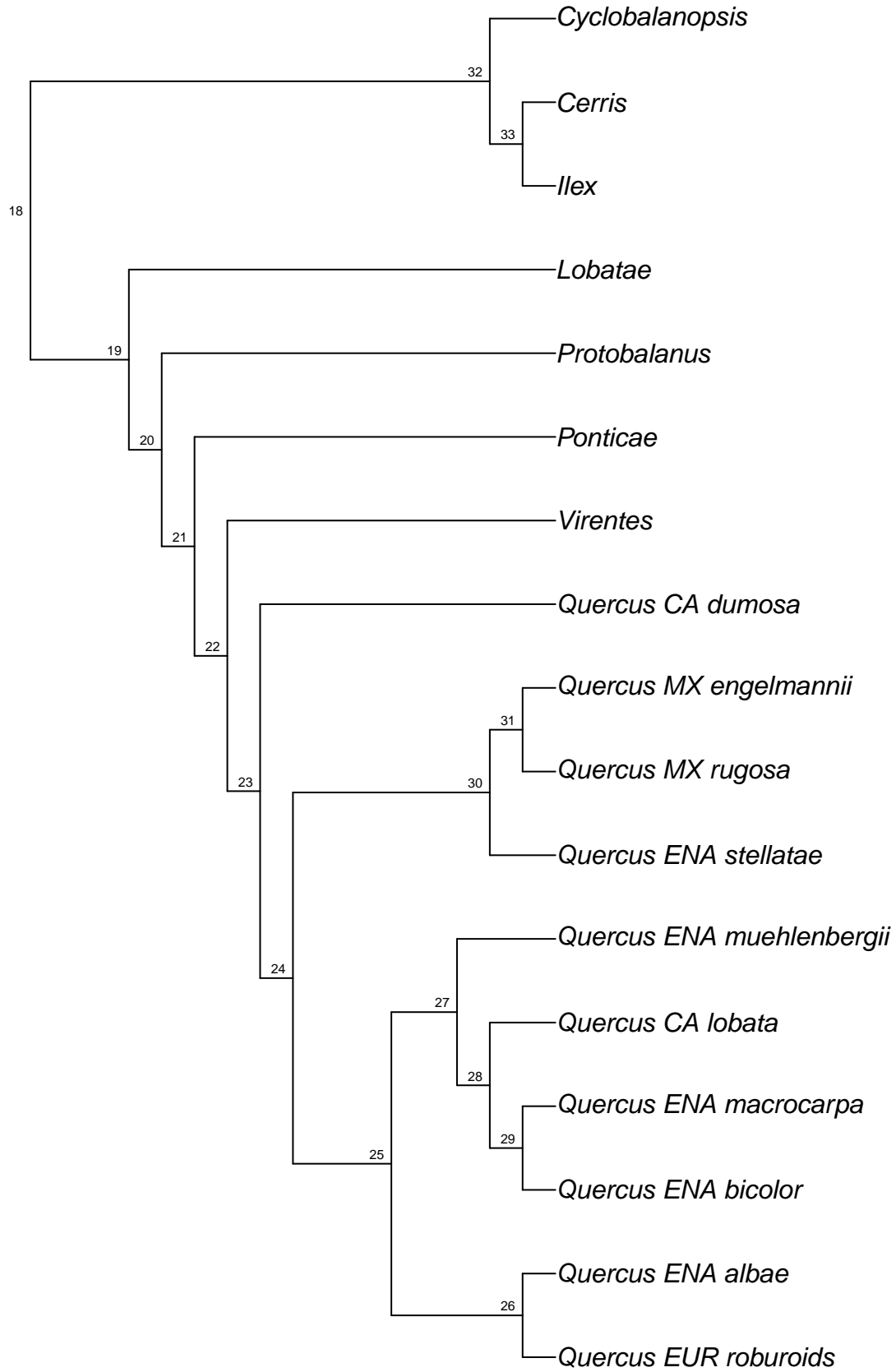
# reSeq.reseq\_Qalba.bt068



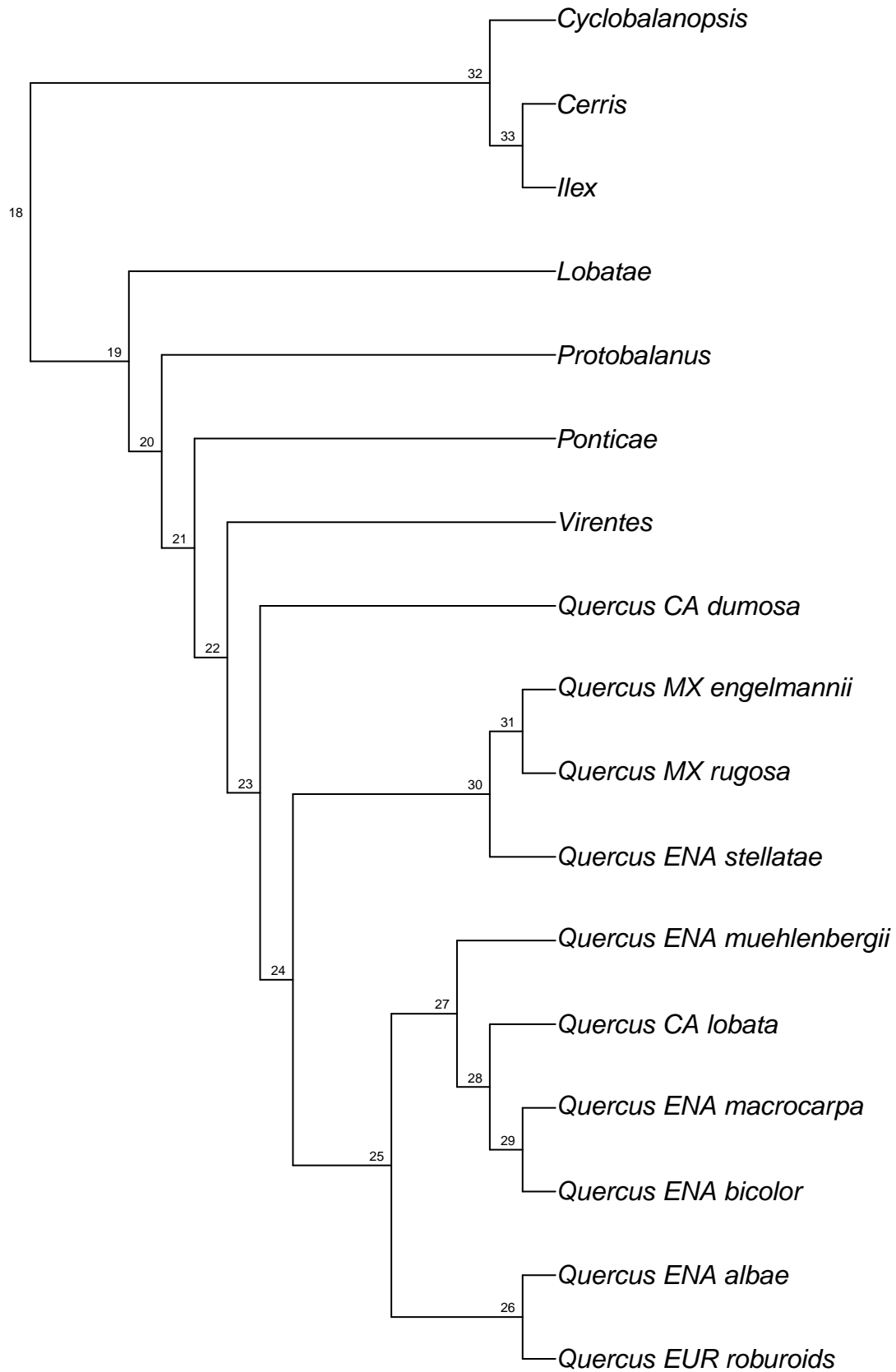
# reSeq.reseq\_Qalba.bt069



# reSeq.reseq\_Qalba.bt070



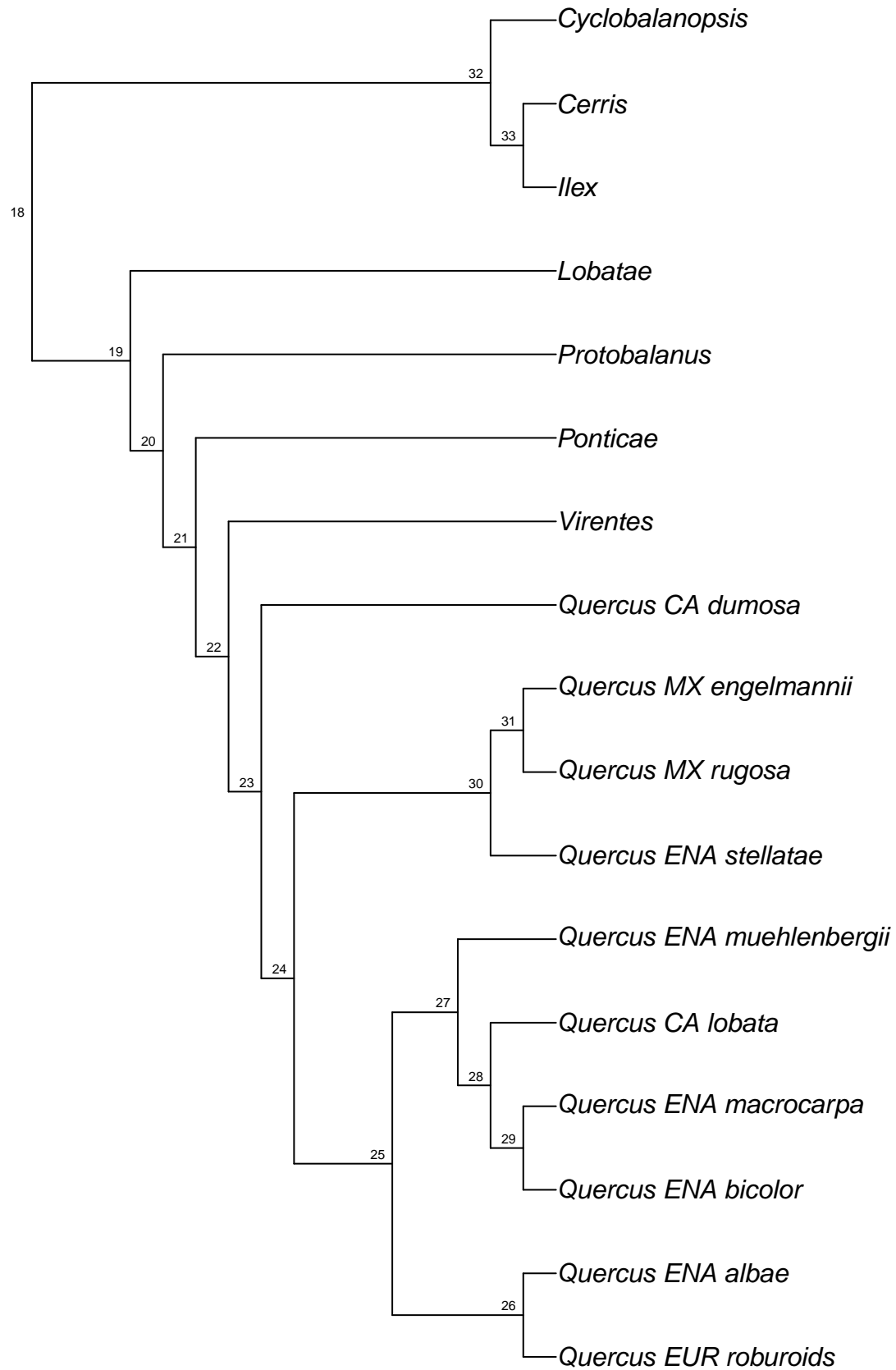
# reSeq.reseq\_Qalba.bt071



# reSeq.reseq\_Qalba.bt072

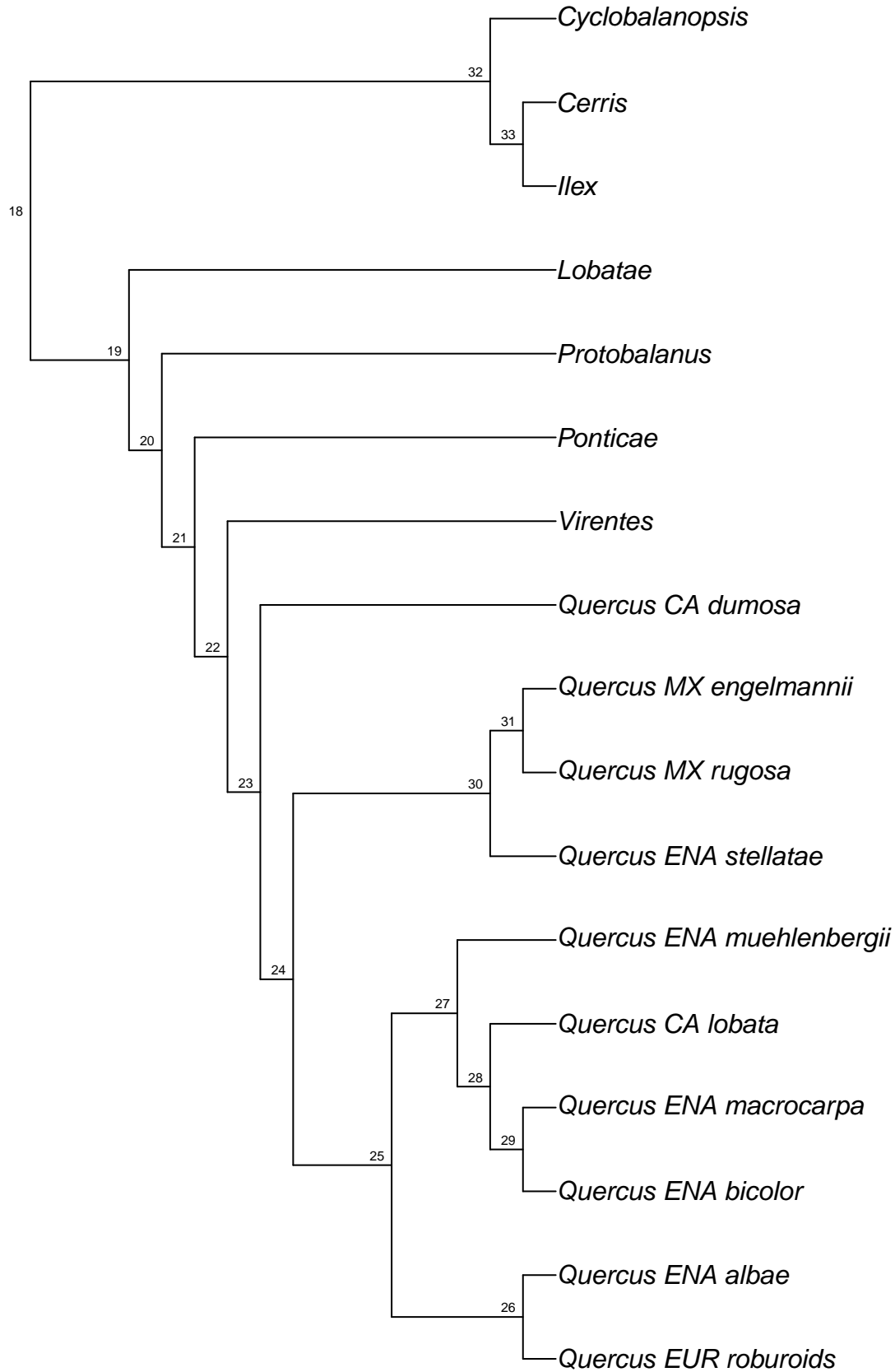


# reSeq.reseq\_Qalba.bt073





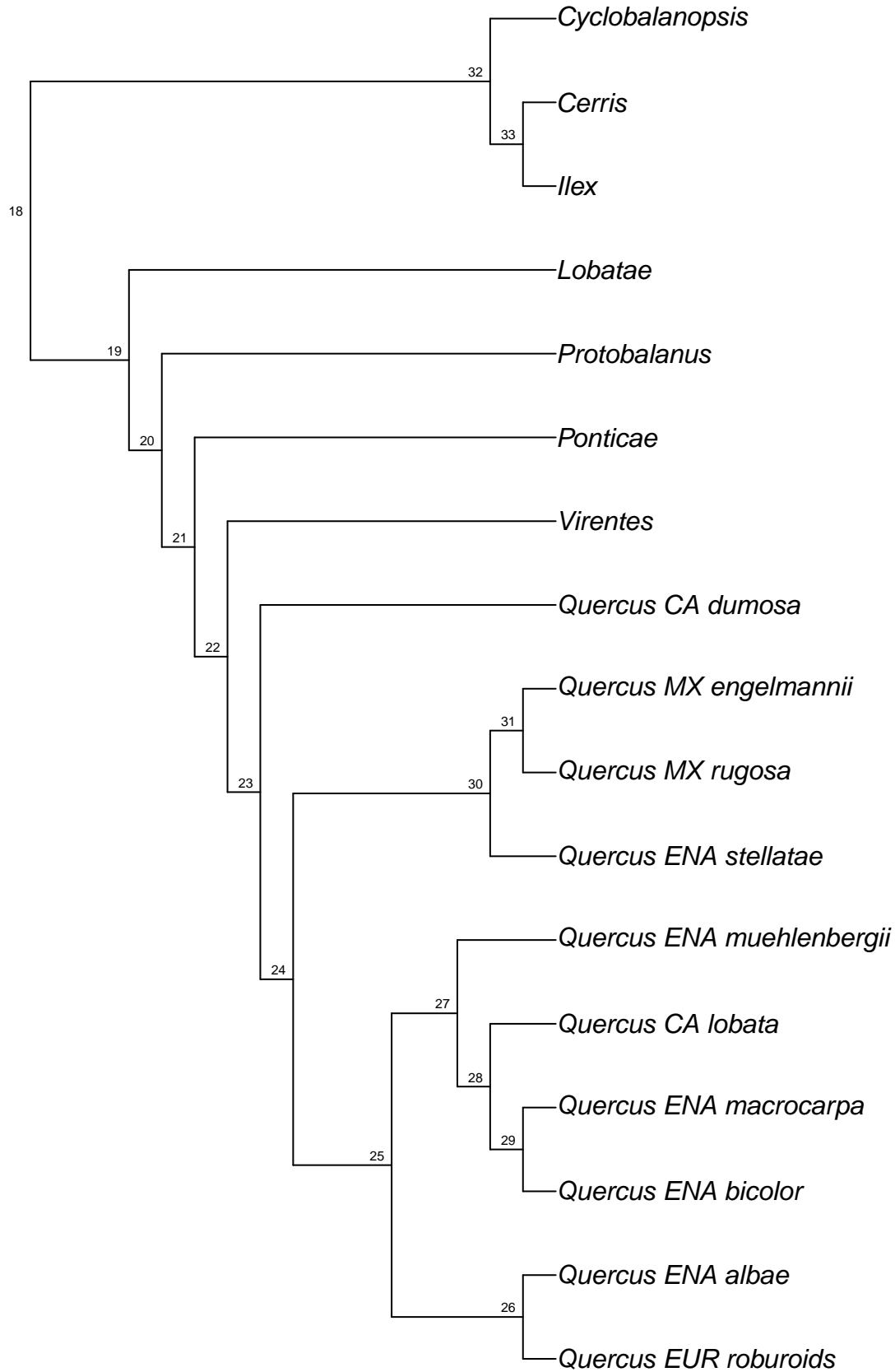
# reSeq.reseq\_Qalba.bt074



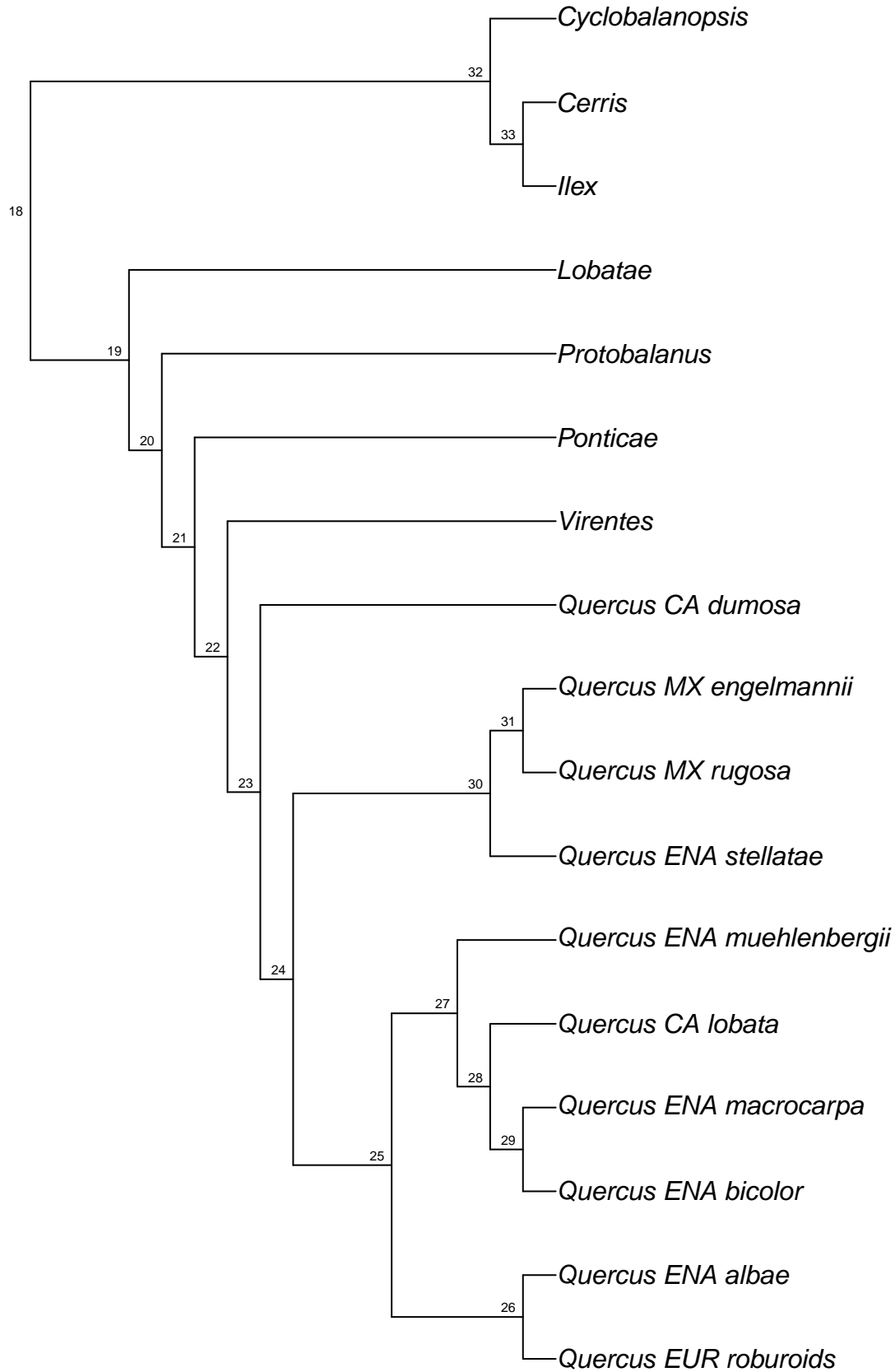
# reSeq.reseq\_Qalba.bt075



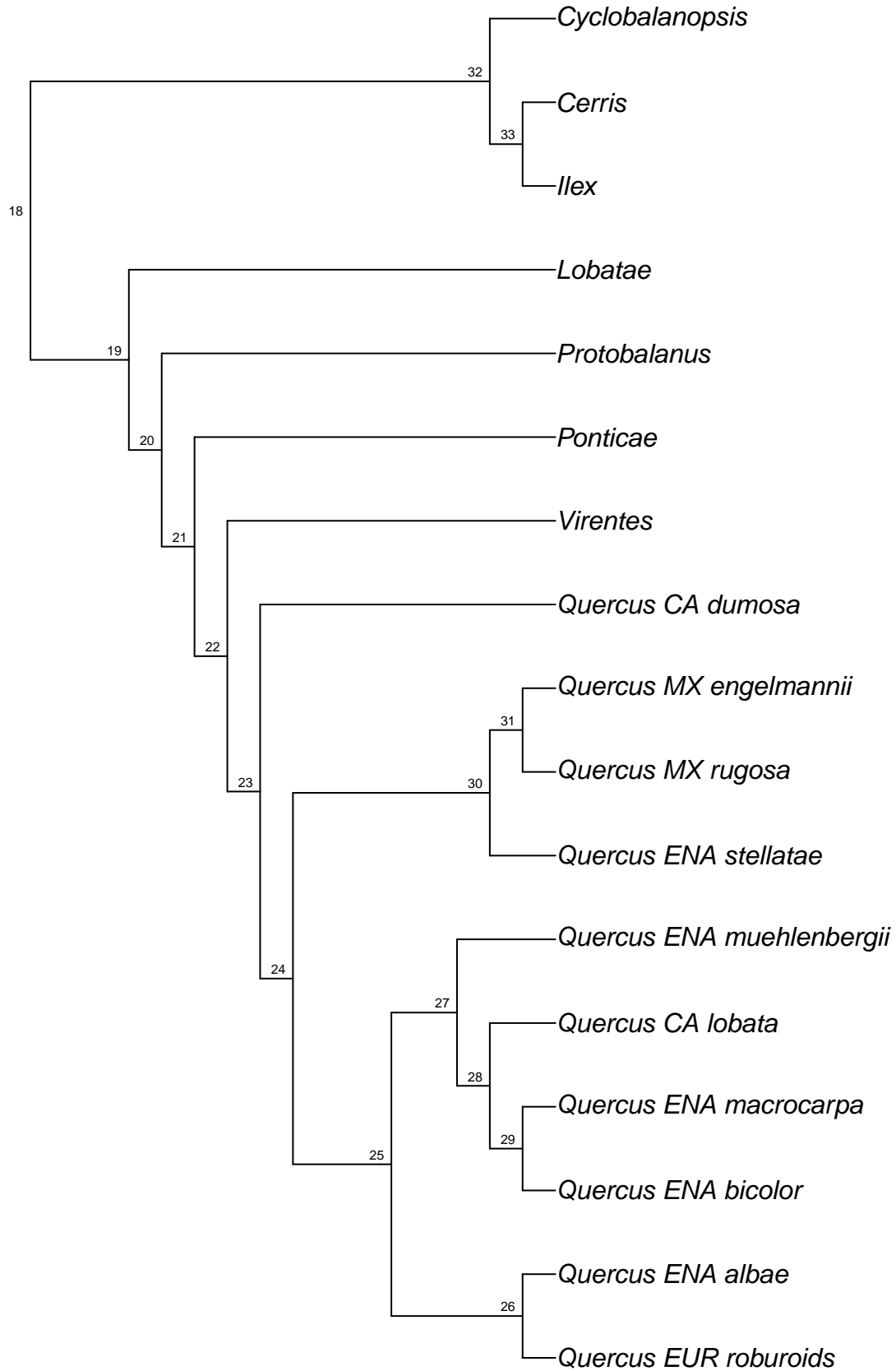
# reSeq.reseq\_Qalba.bt076



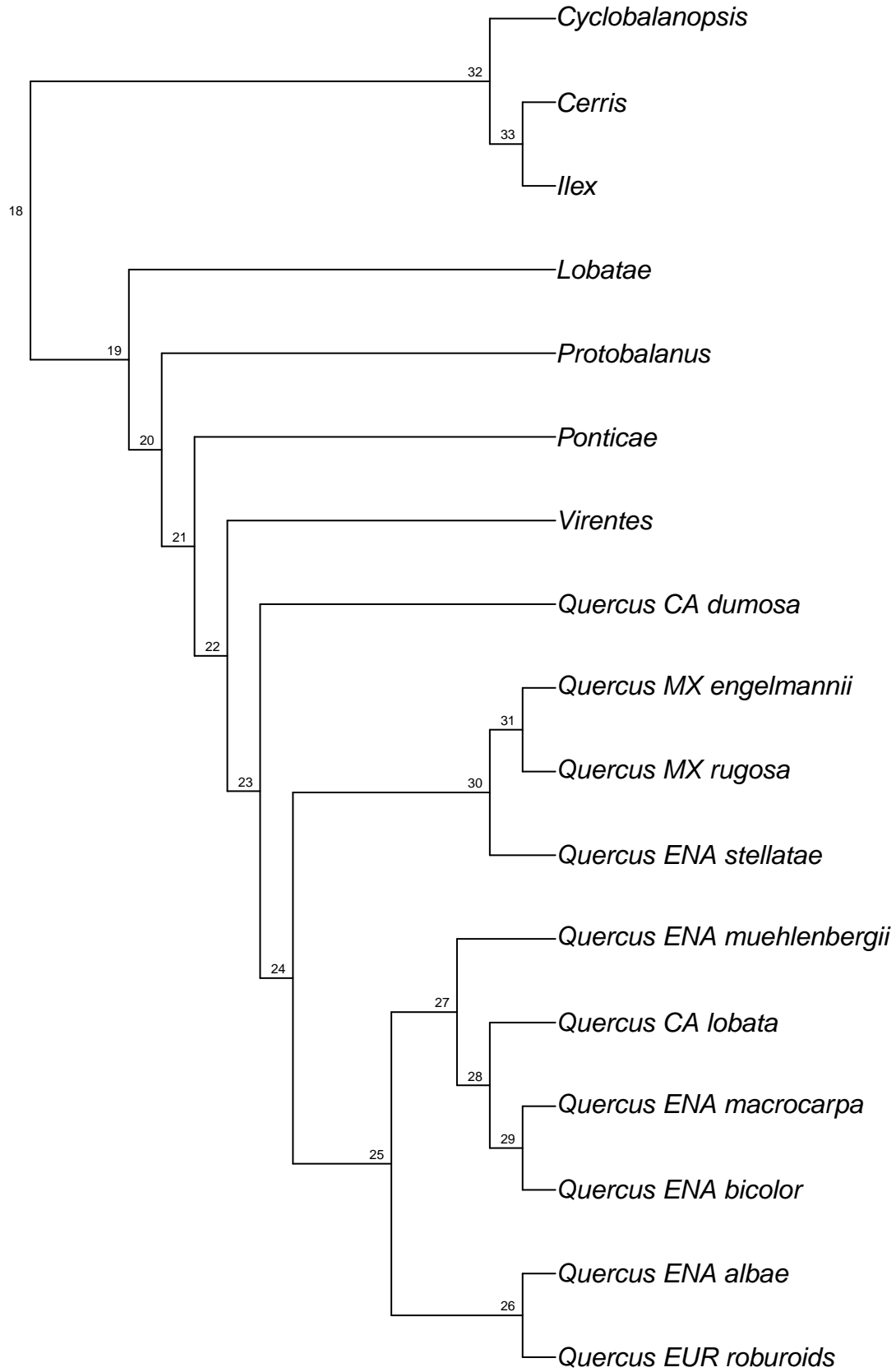
# reSeq.reseq\_Qalba.bt077



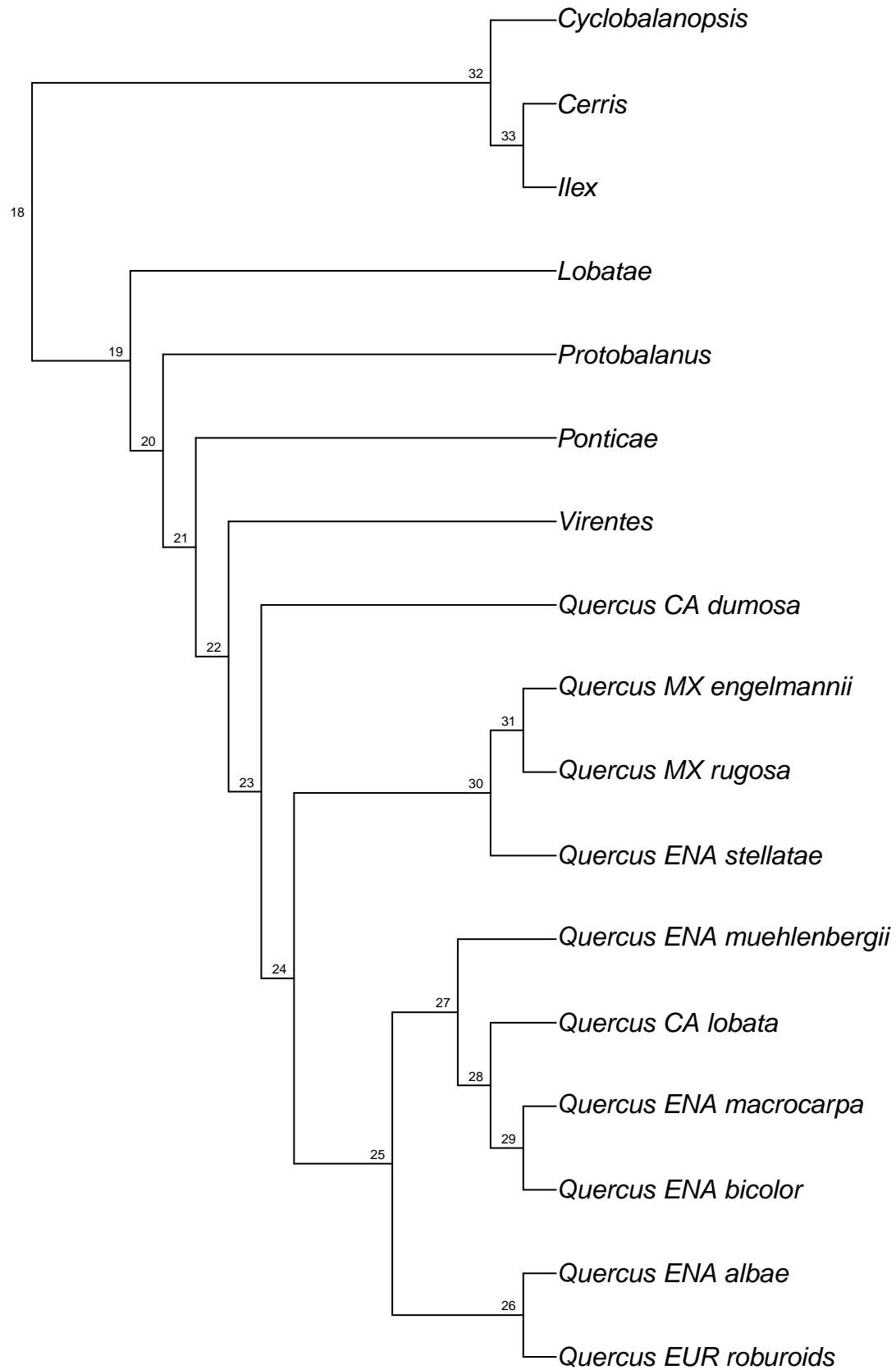
# reSeq.reseq\_Qalba.bt078



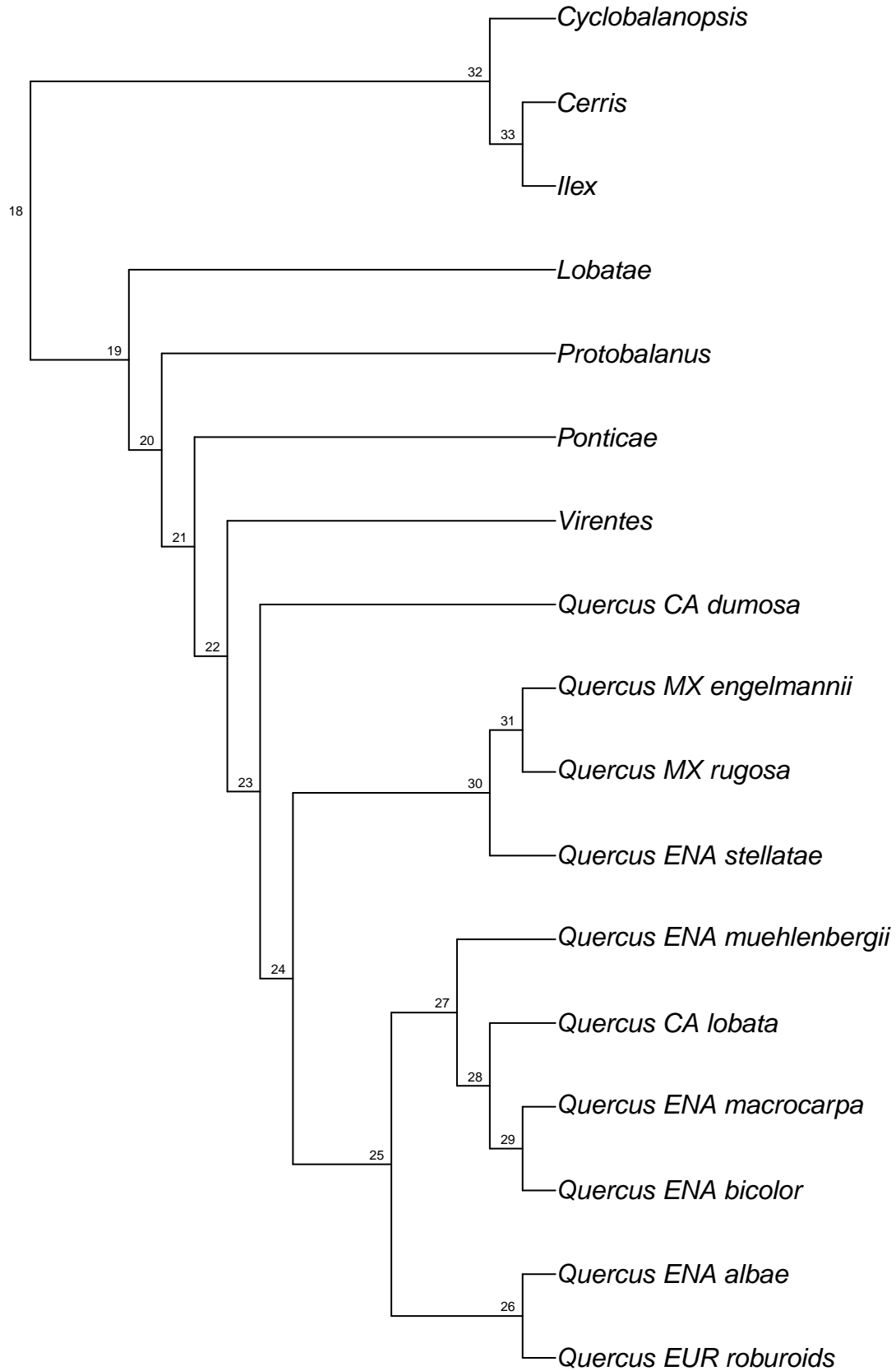
# reSeq.reseq\_Qalba.bt079



# reSeq.reseq\_Qalba.bt080

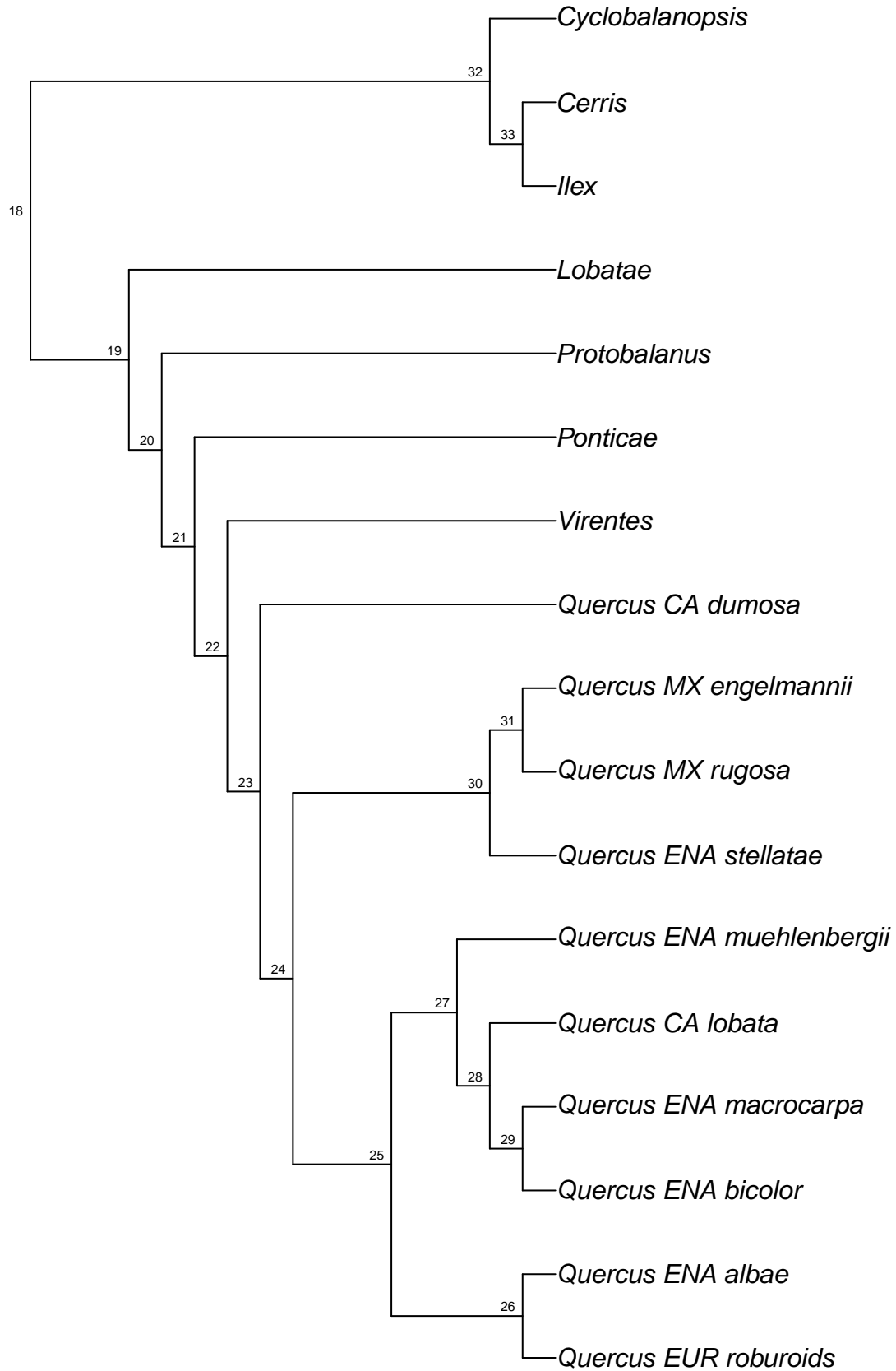


# reSeq.reseq\_Qalba.bt081





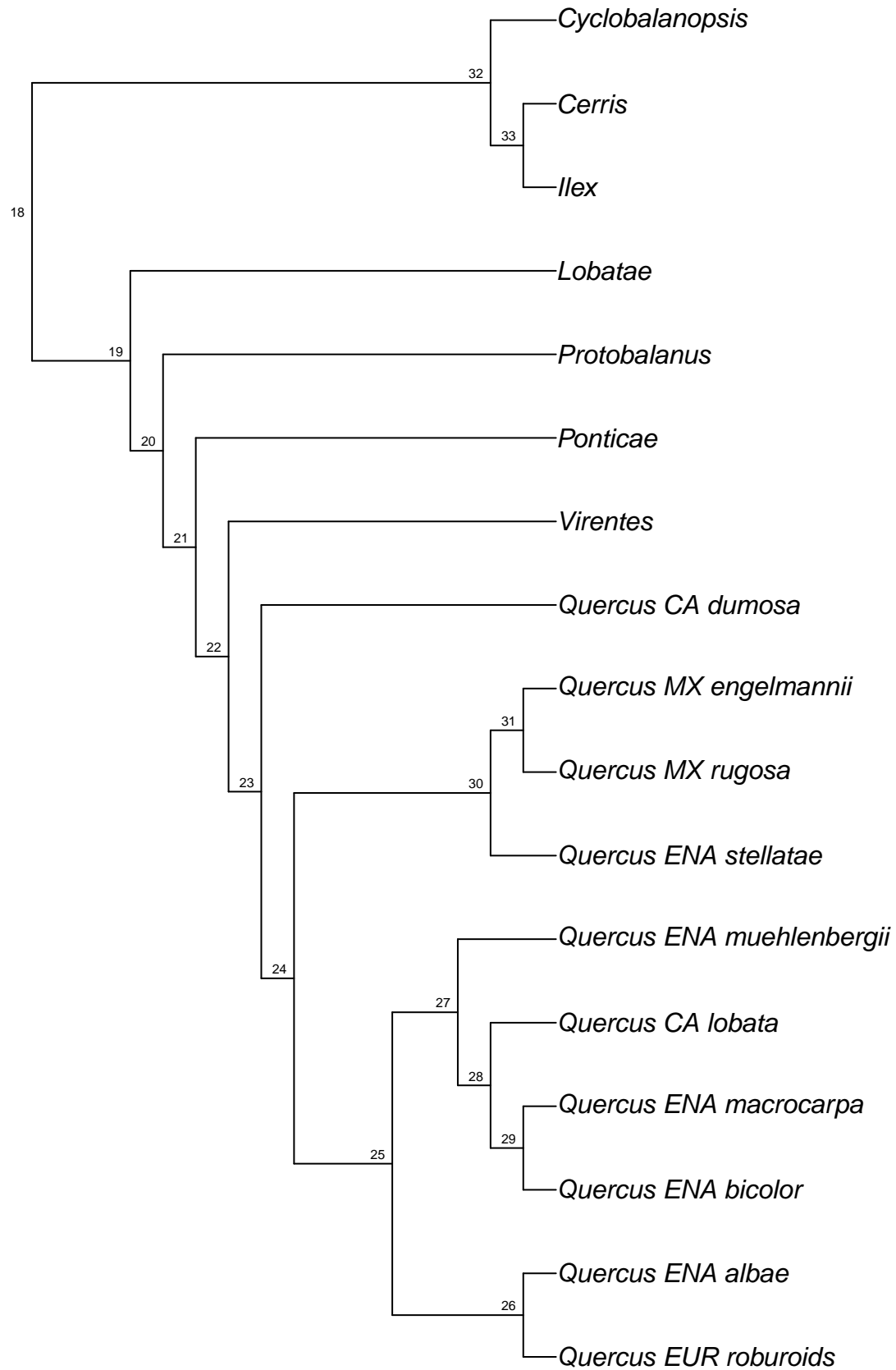
# reSeq.reseq\_Qalba.bt082



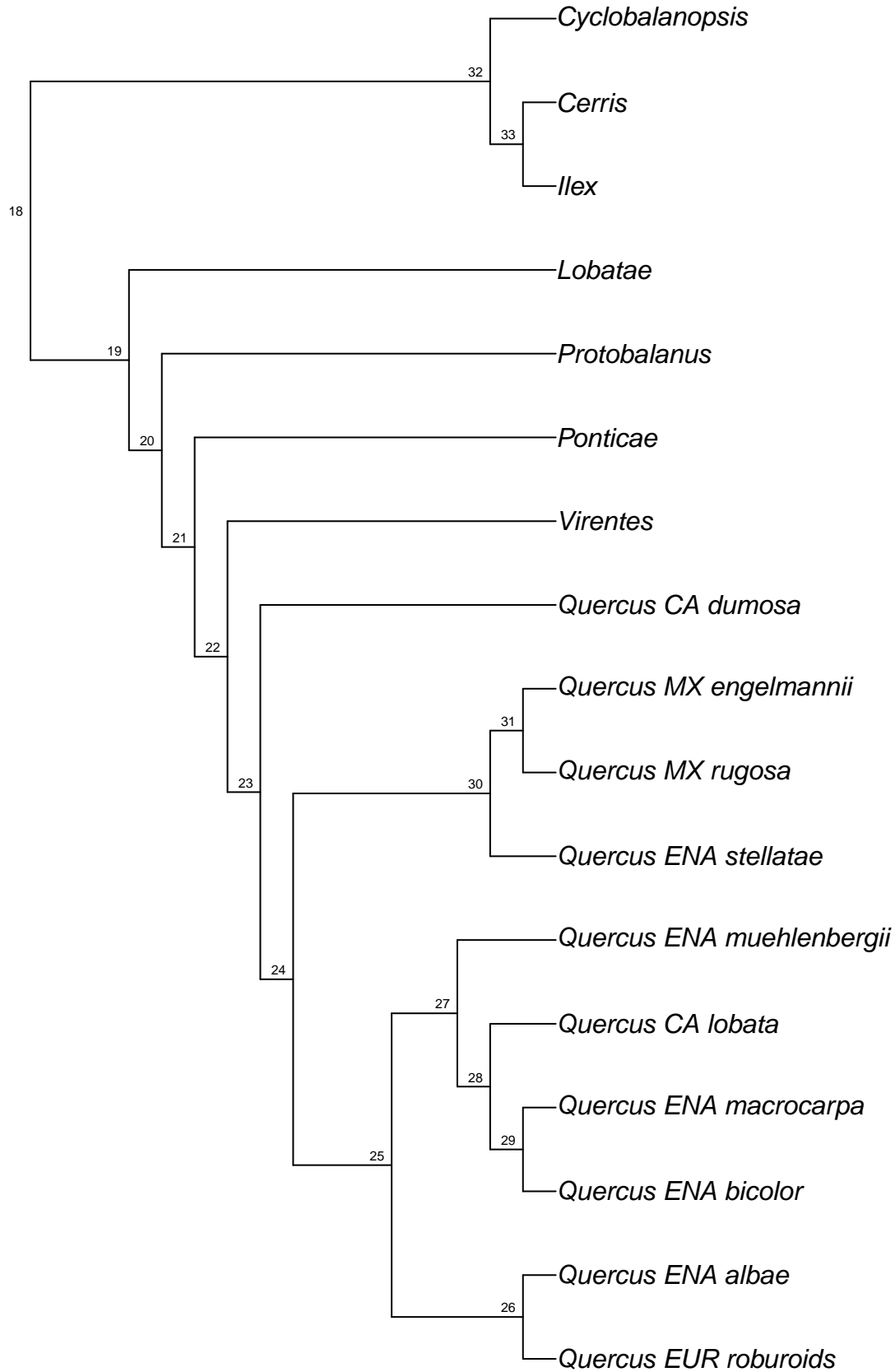
# reSeq.reseq\_Qalba.bt083



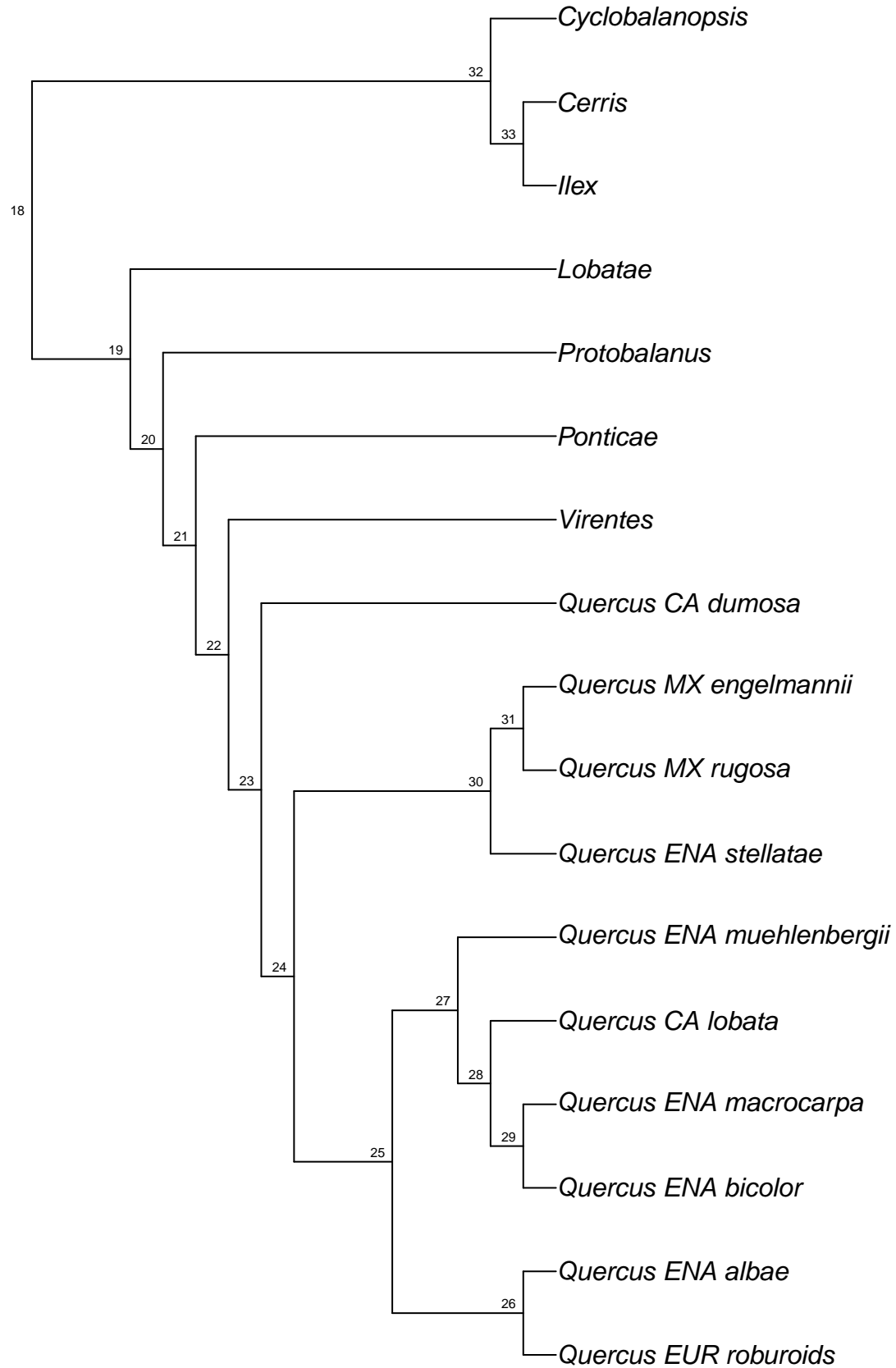
# reSeq.reseq\_Qalba.bt084



# reSeq.reseq\_Qalba.bt085



# reSeq.reseq\_Qalba.bt086



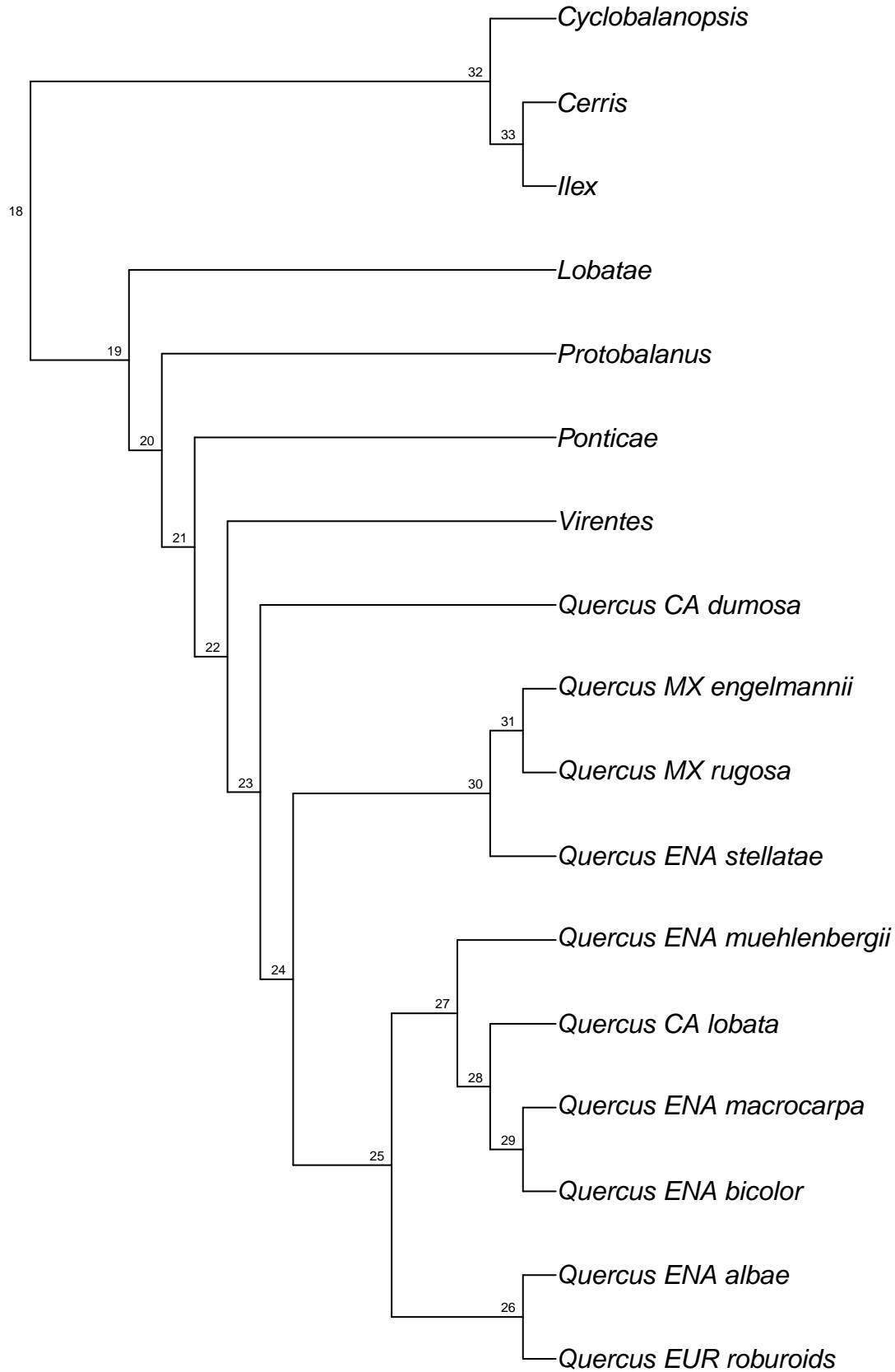
# reSeq.reseq\_Qalba.bt087



# reSeq.reseq\_Qalba.bt088

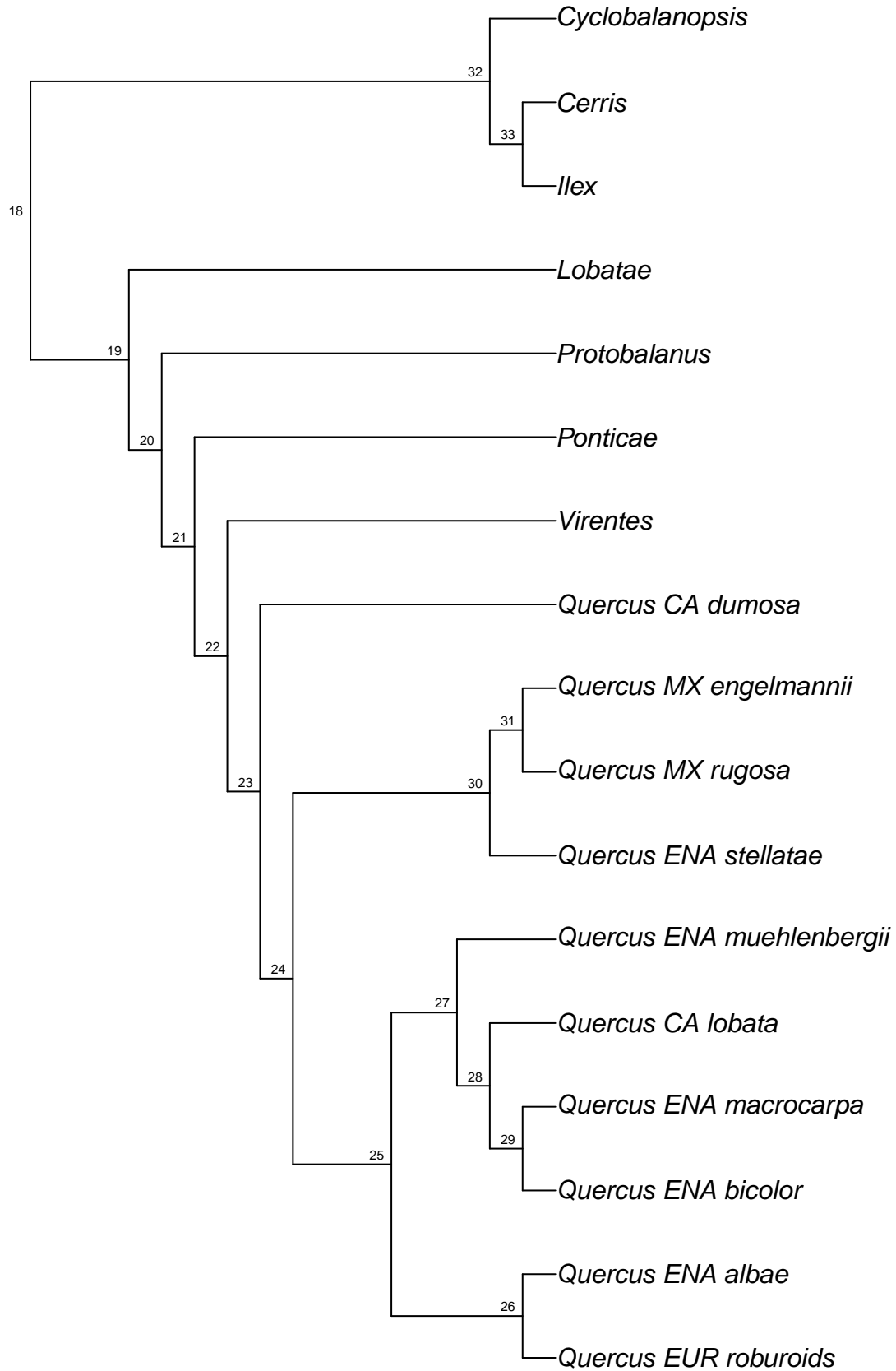


# reSeq.reseq\_Qalba.bt089

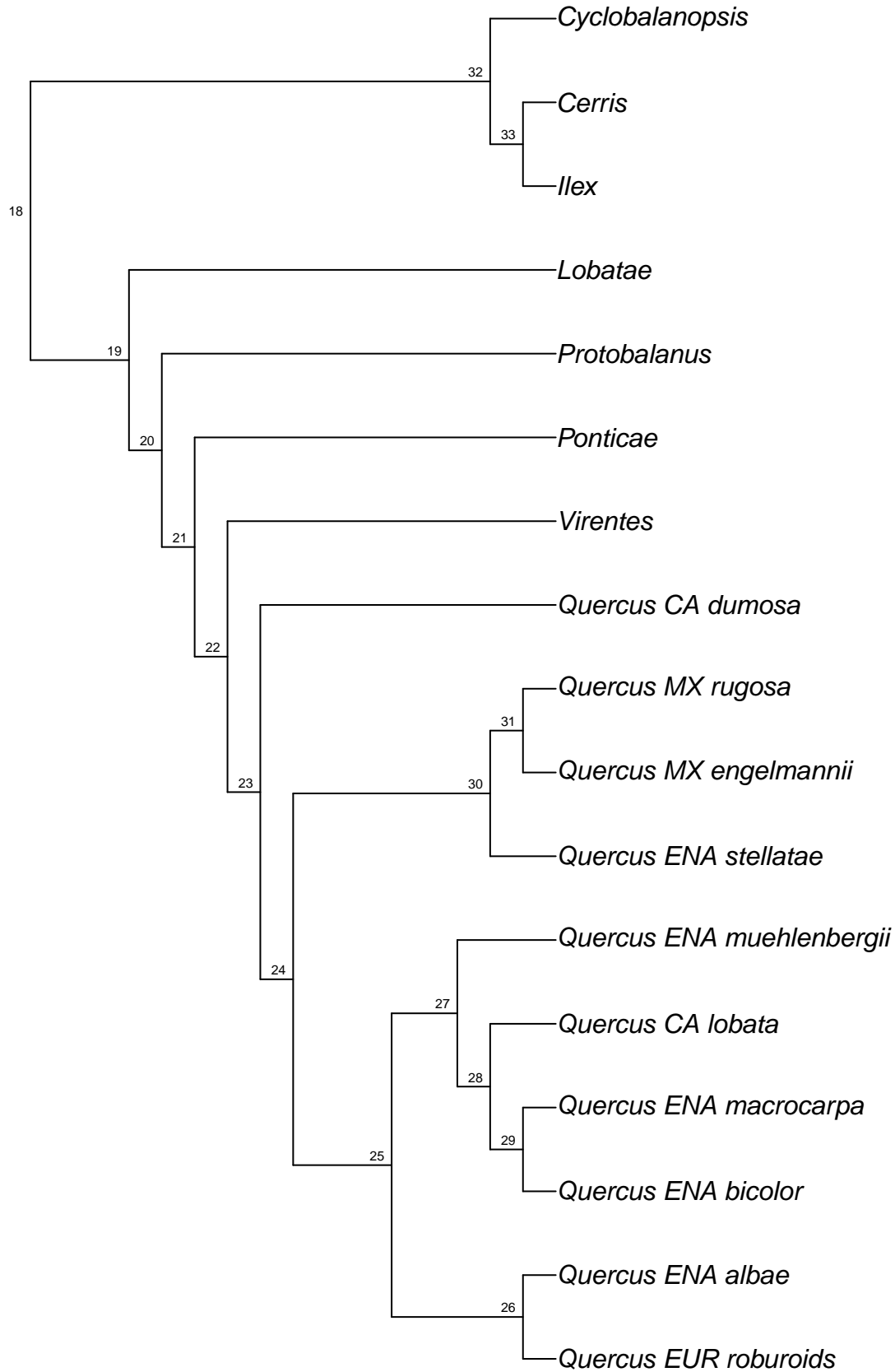




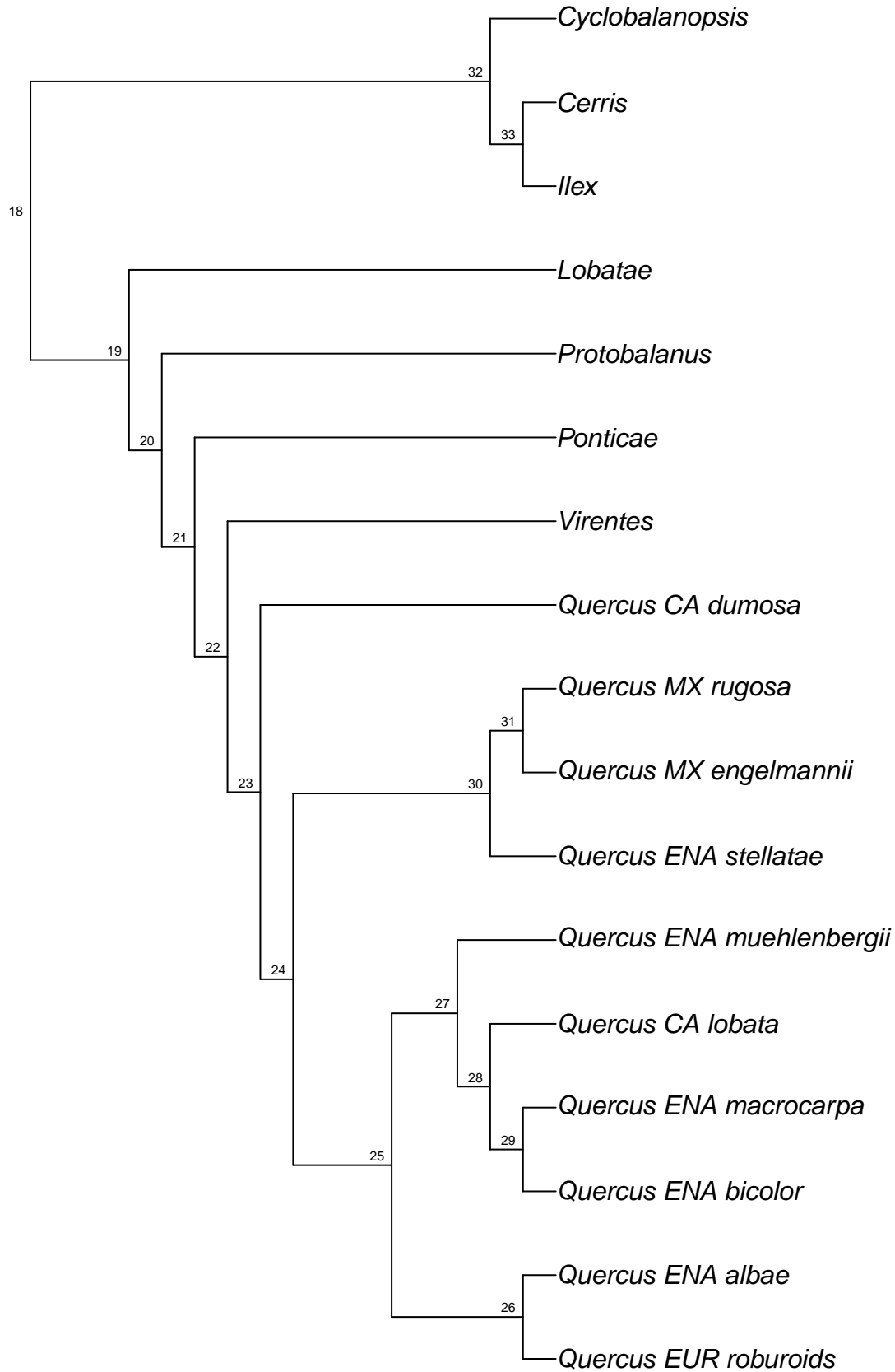
# reSeq.reseq\_Qalba.bt090



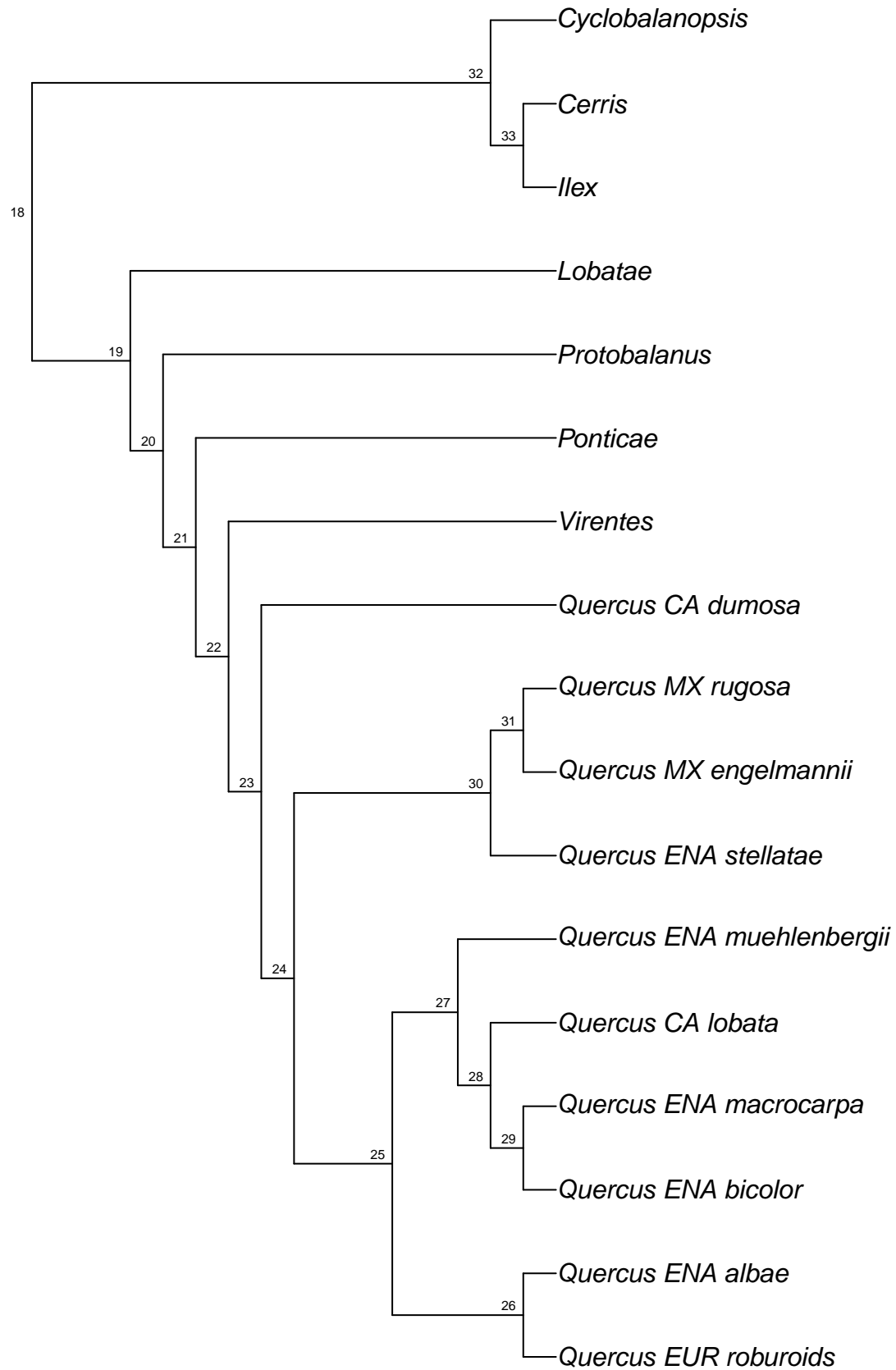
# reSeq.reseq\_Qalba.bt091



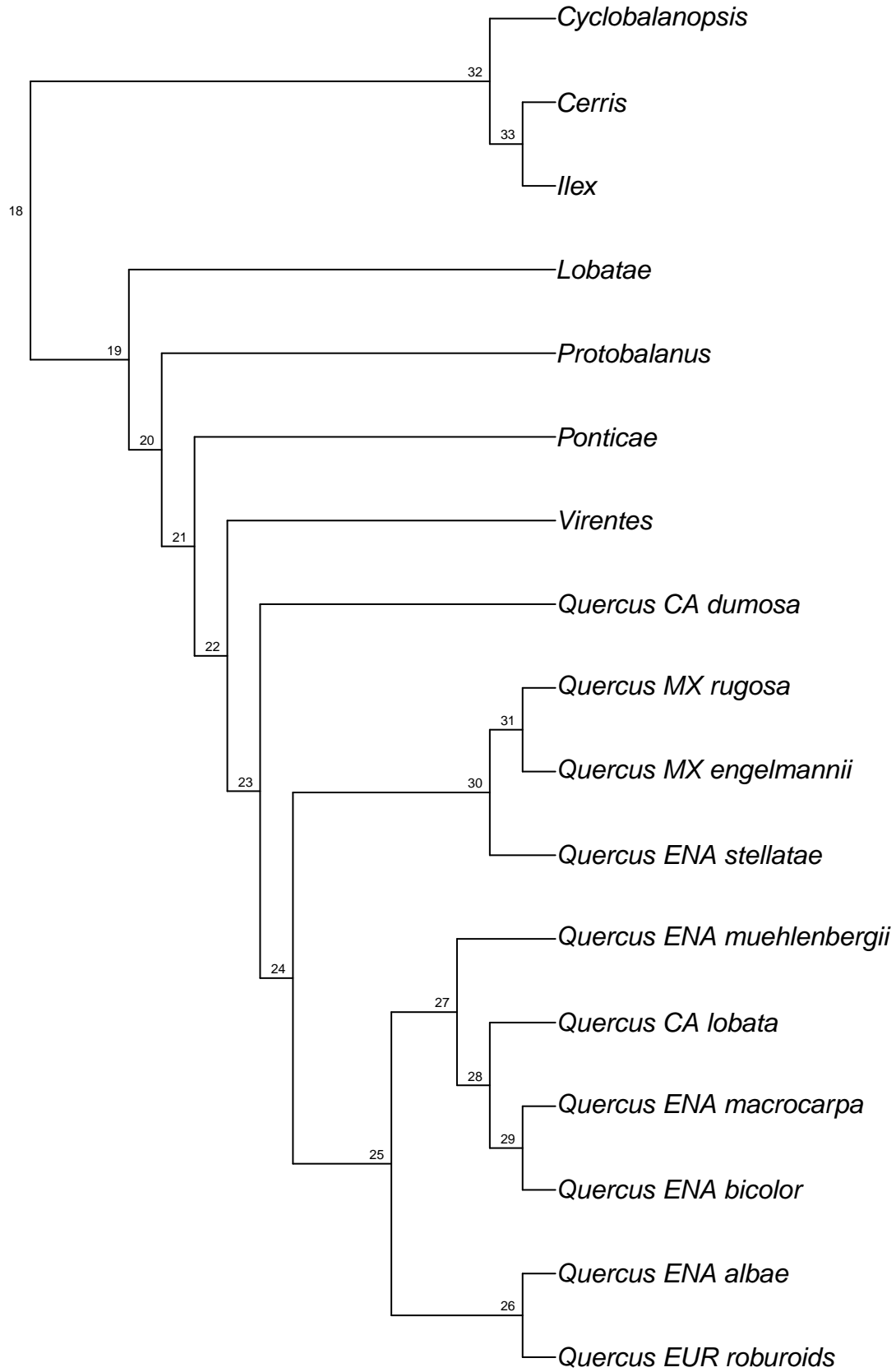
# reSeq.reseq\_Qalba.bt092



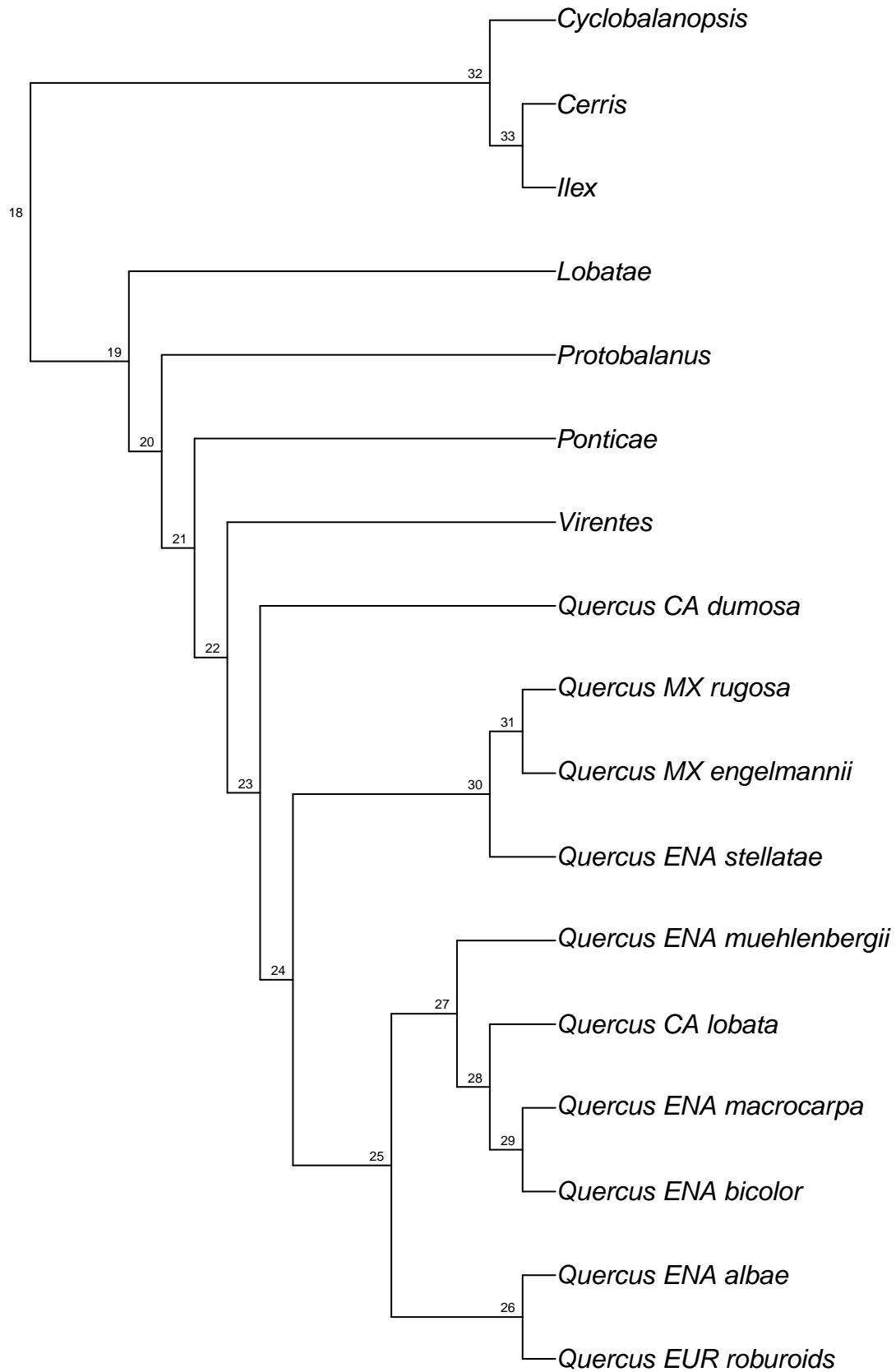
# reSeq.reseq\_Qalba.bt093



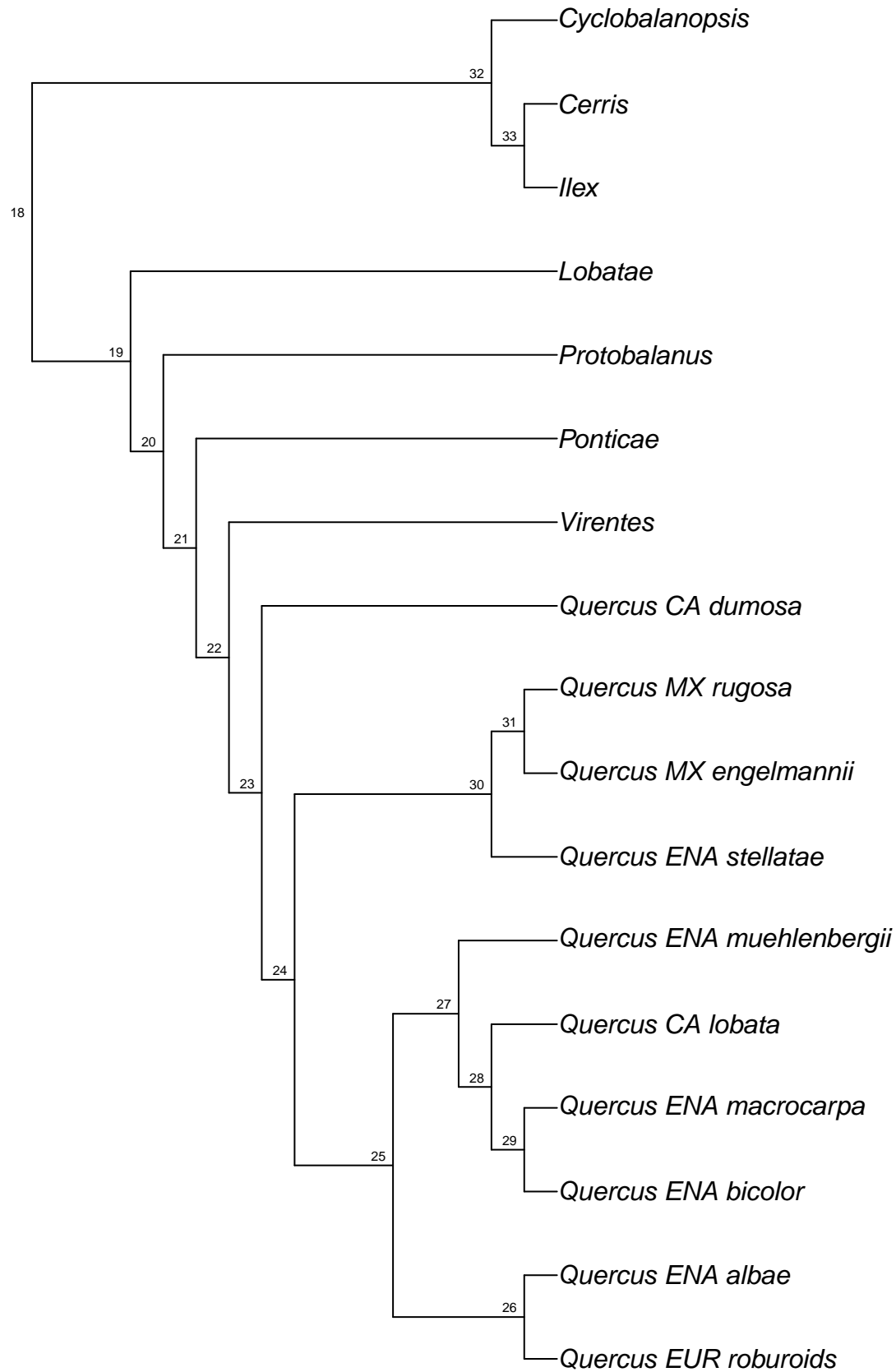
# reSeq.reseq\_Qalba.bt094



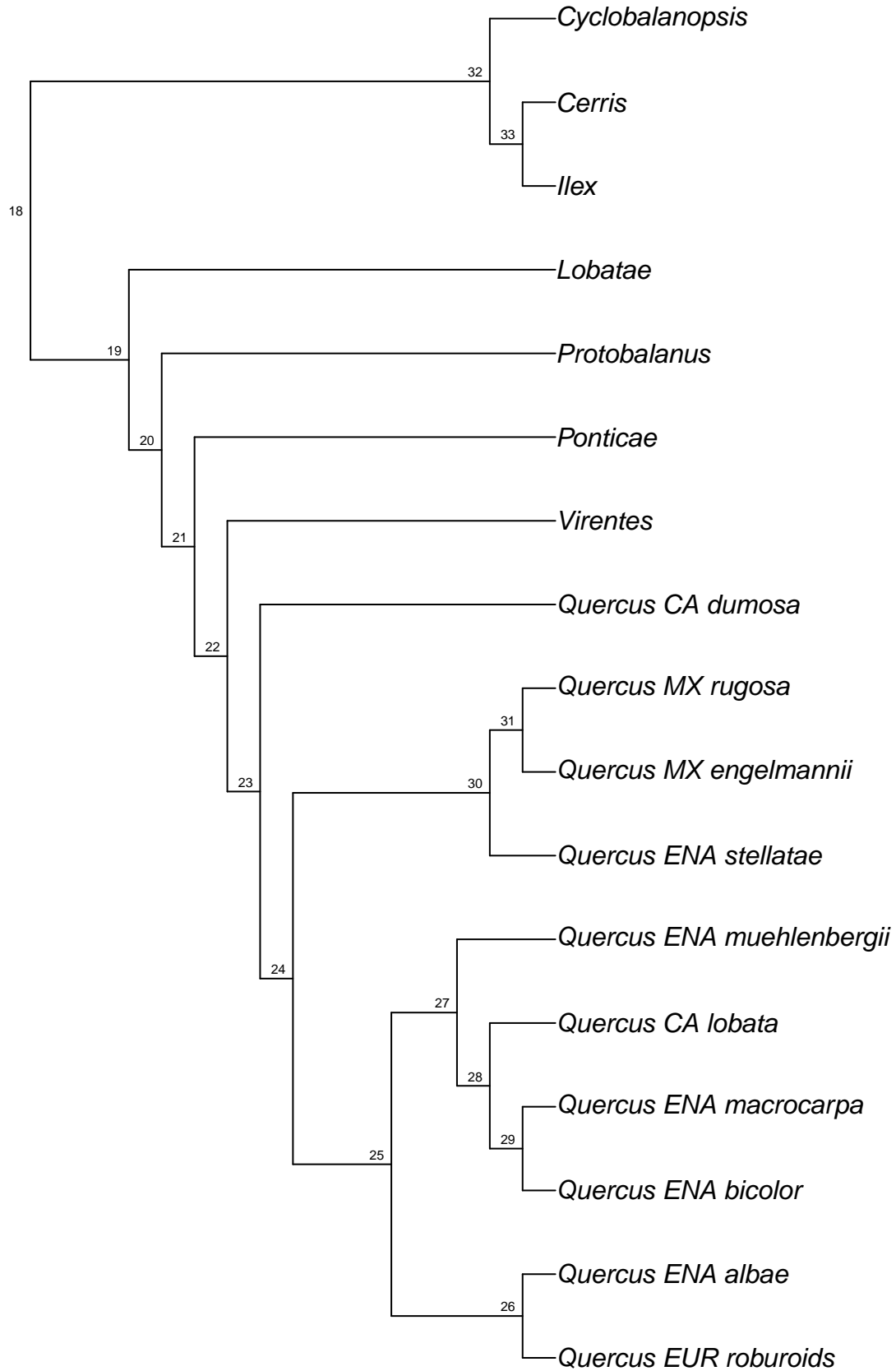
# reSeq.reseq\_Qalba.bt095



reSeq.reseq\_Qalba.bt096

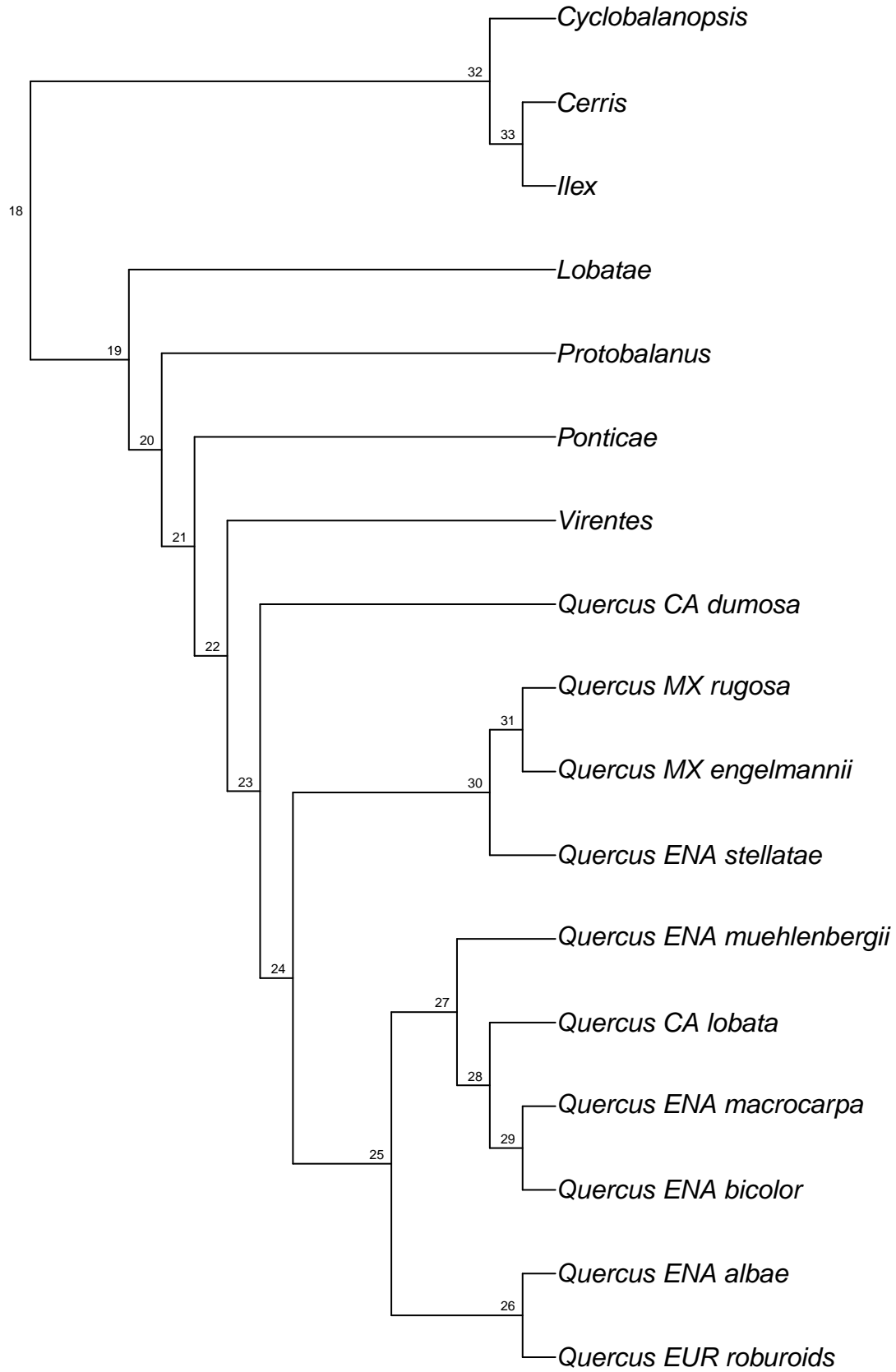


# reSeq.reseq\_Qalba.bt097

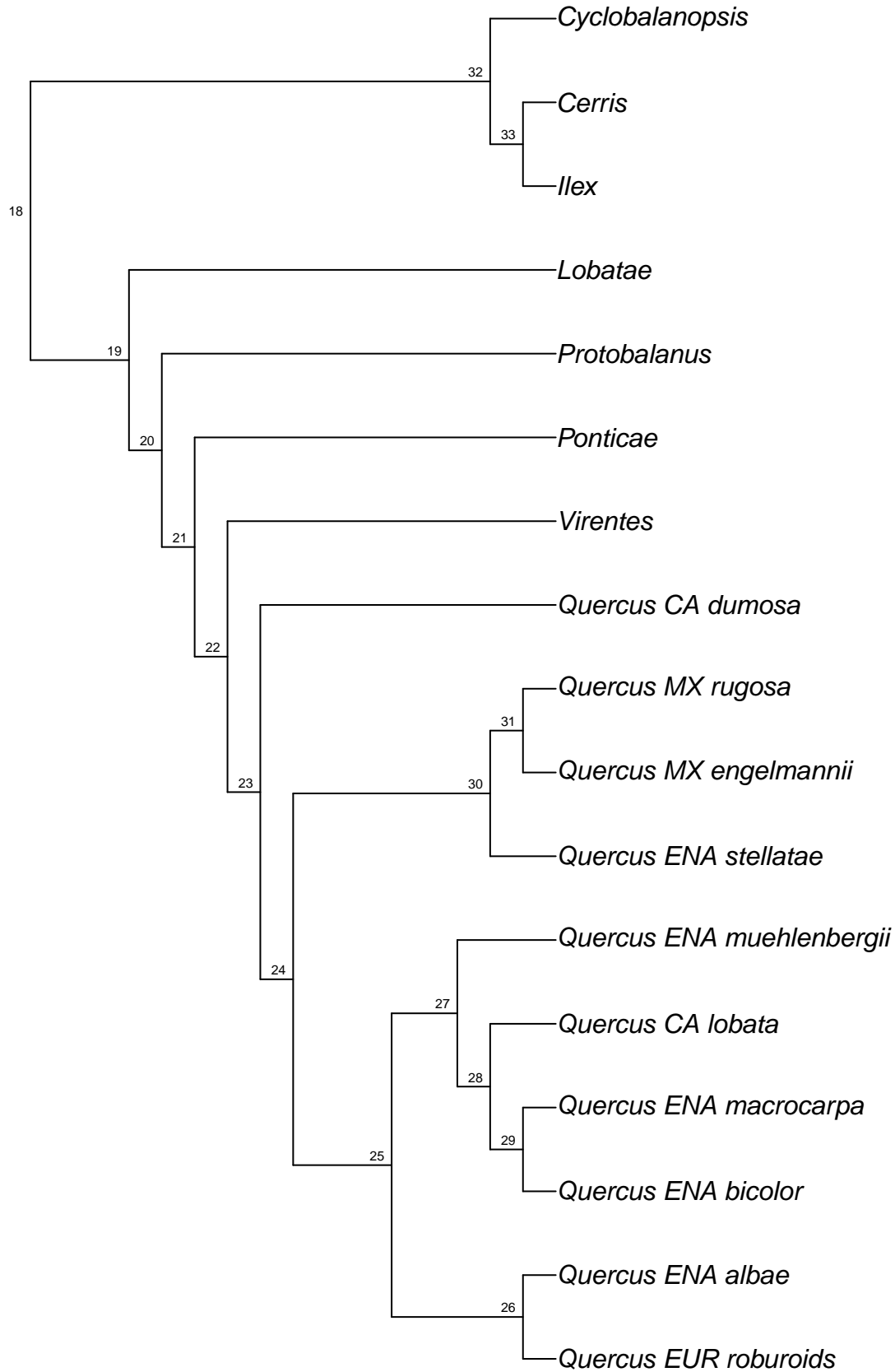




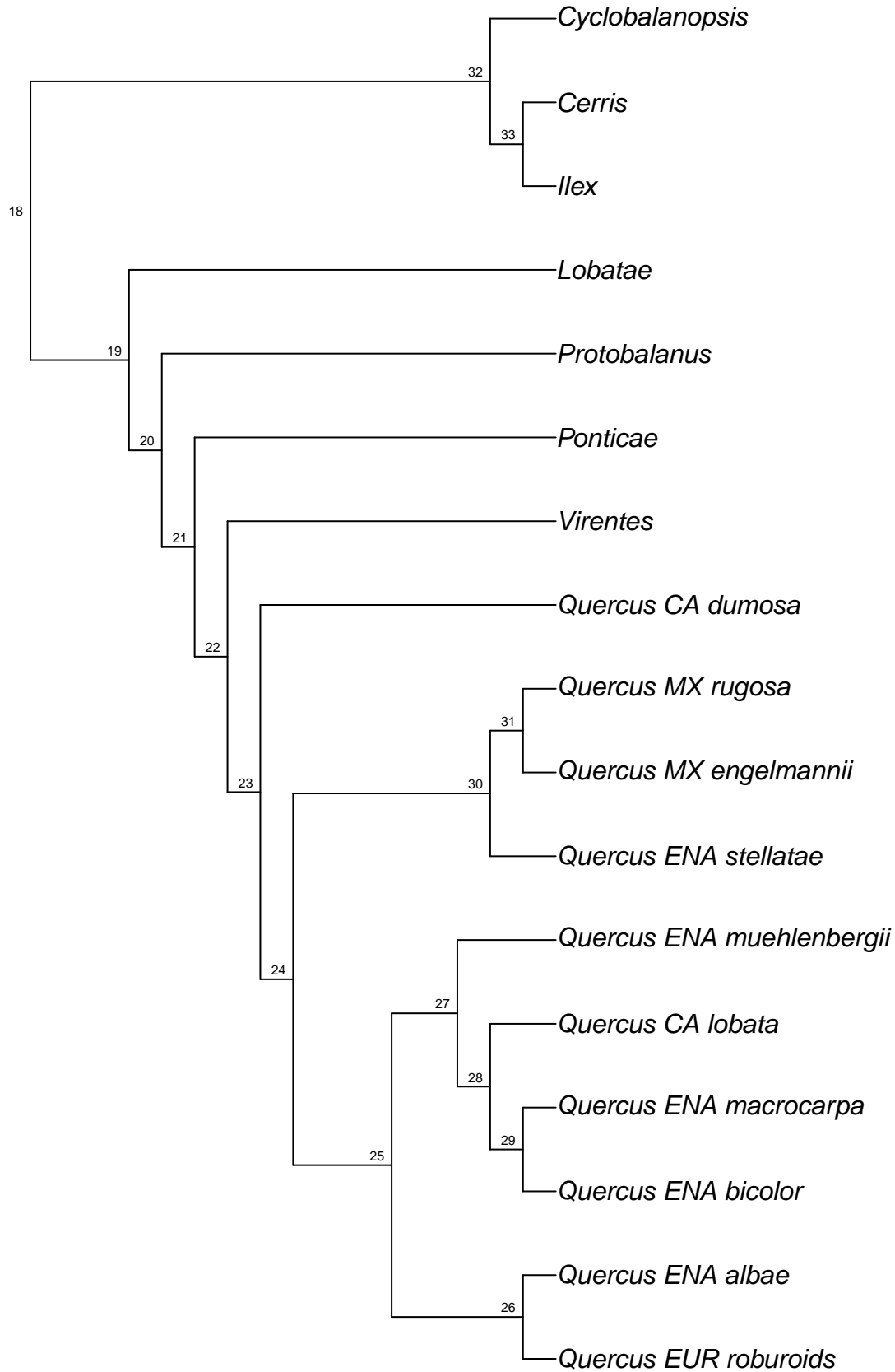
# reSeq.reseq\_Qalba.bt098



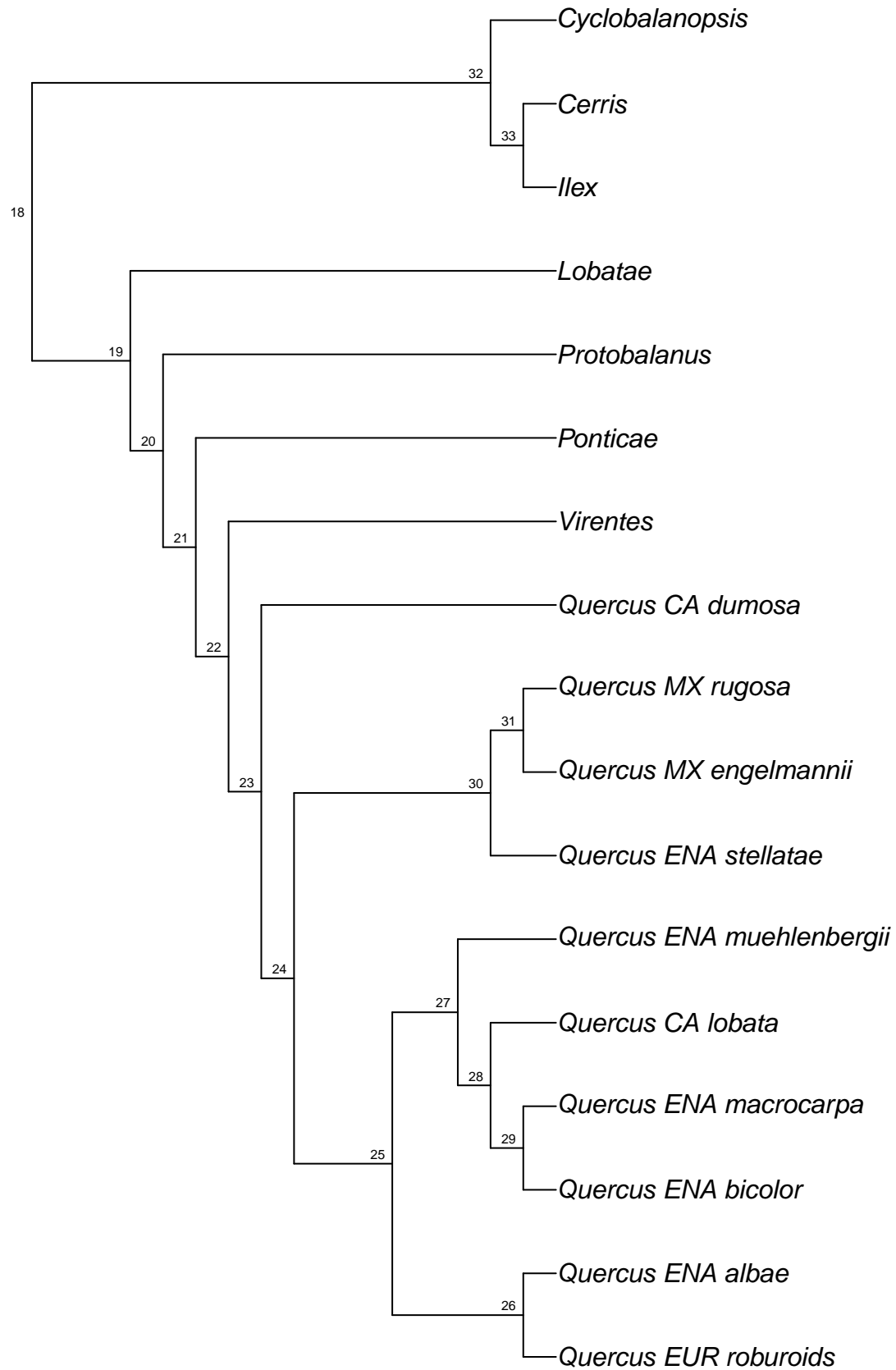
# reSeq.reseq\_Qalba.bt099



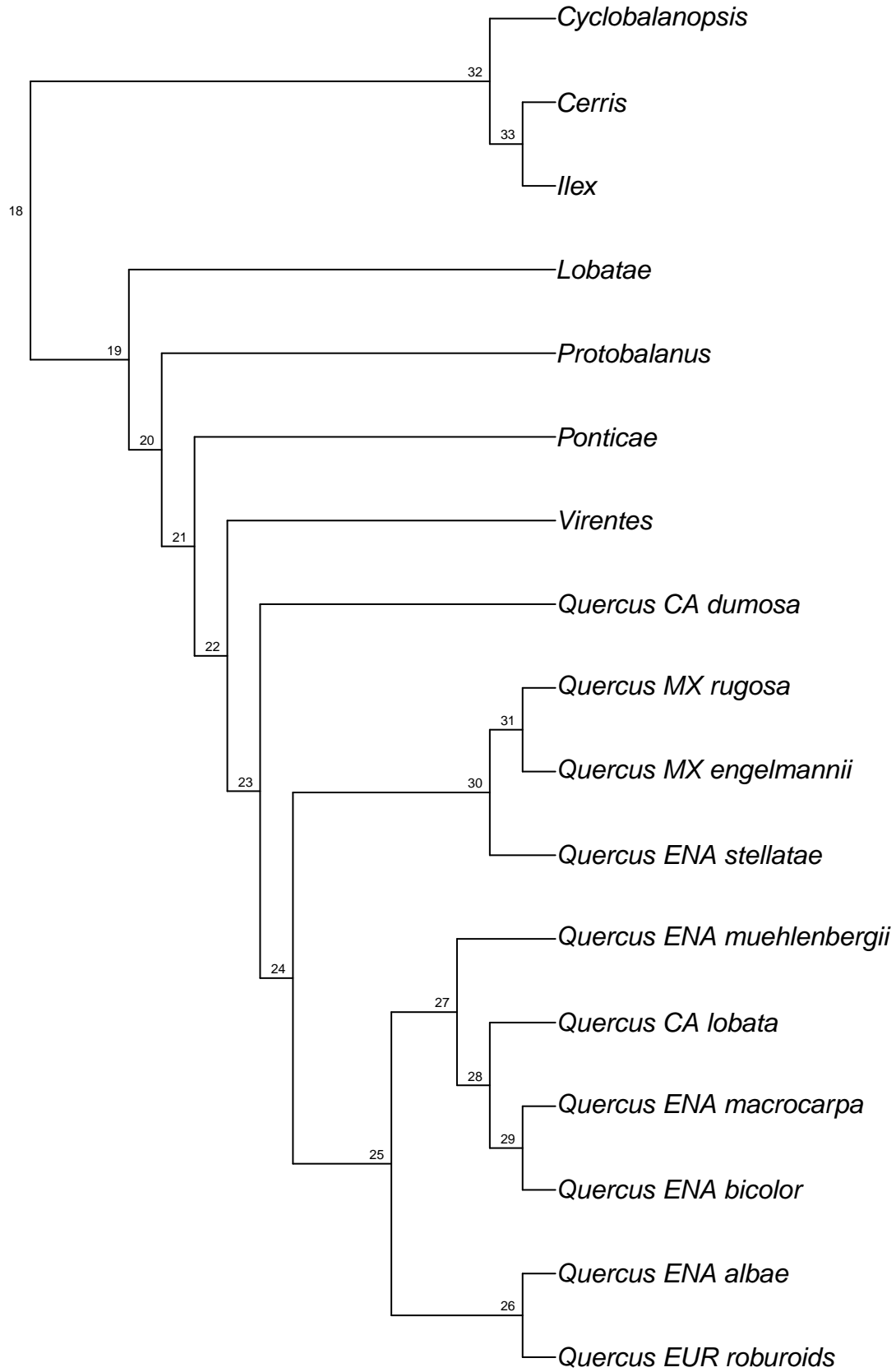
# reSeq.reseq\_Qalba.bt100



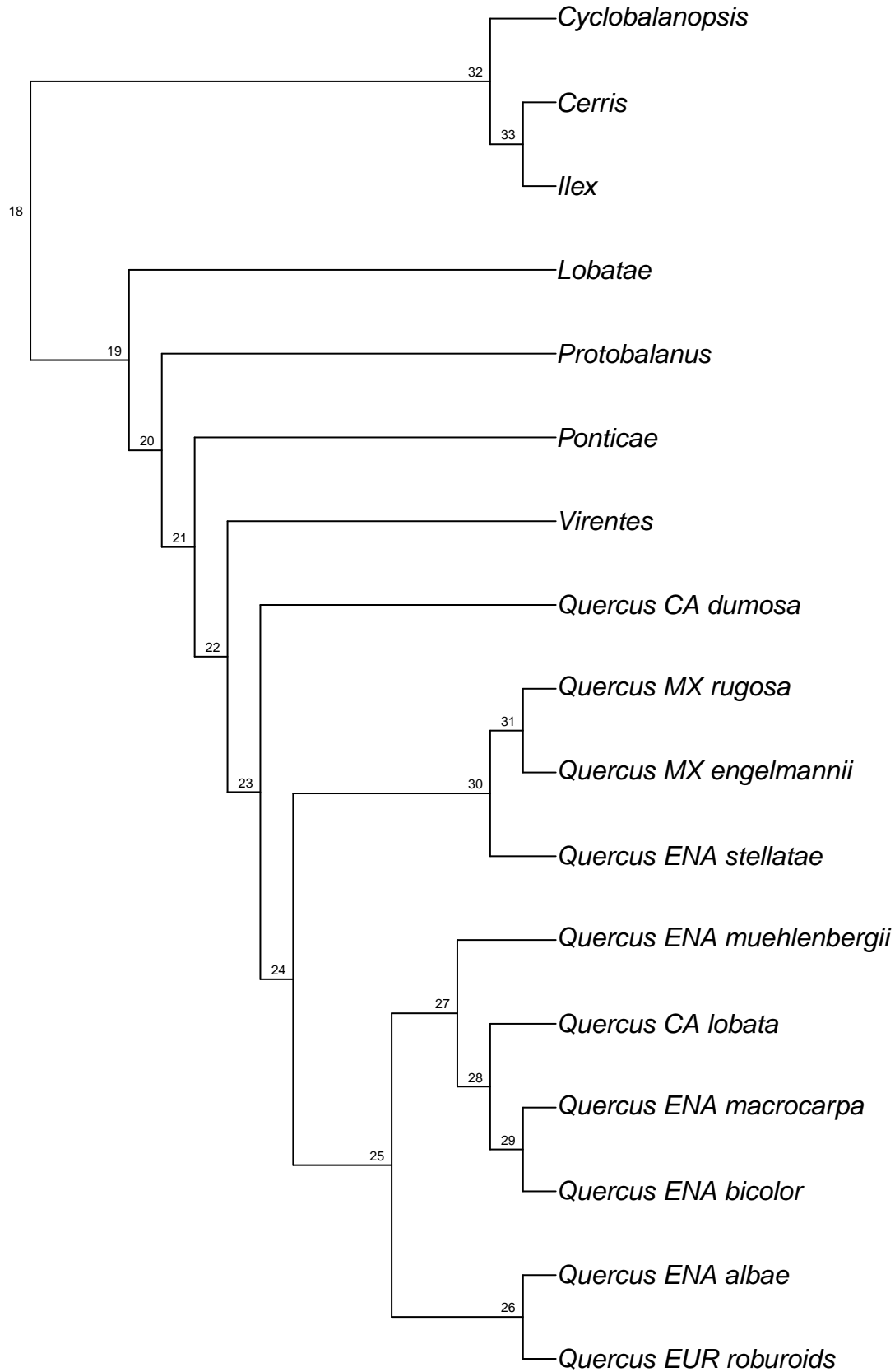
# reSeq.reseq\_Qvar.bt001



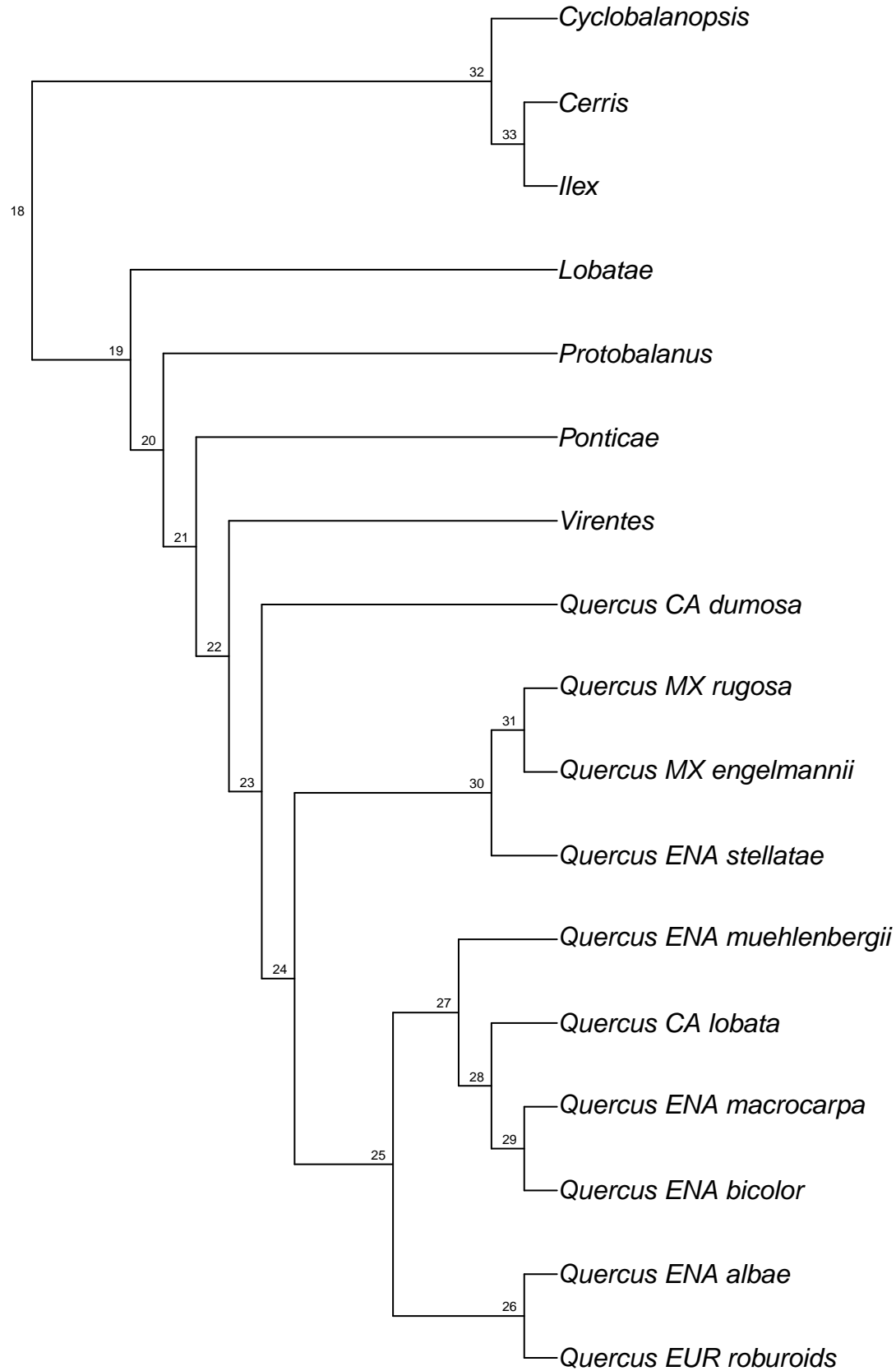
# reSeq.reseq\_Qvar.bt002



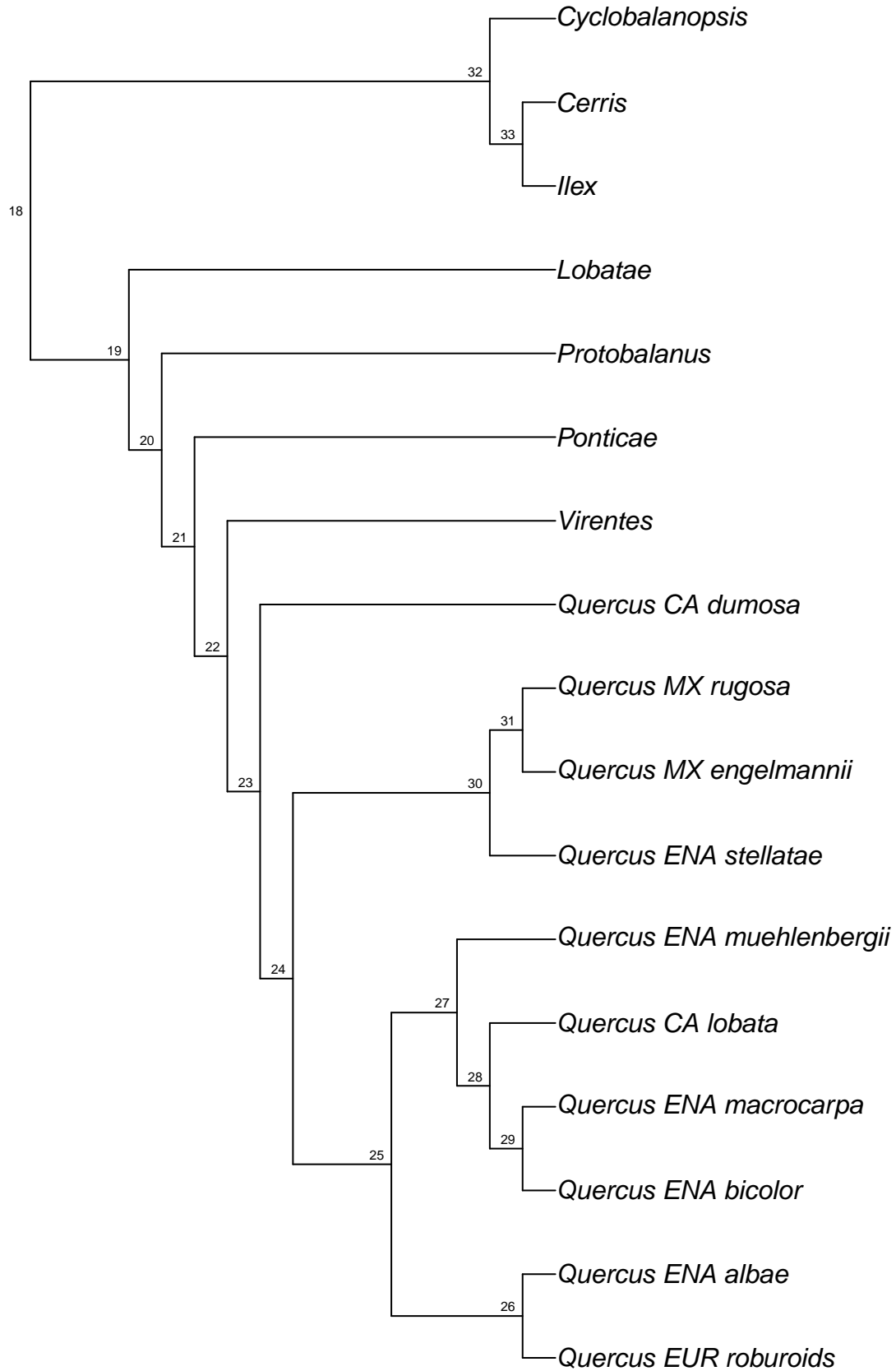
# reSeq.reseq\_Qvar.bt003



# reSeq.reseq\_Qvar.bt004

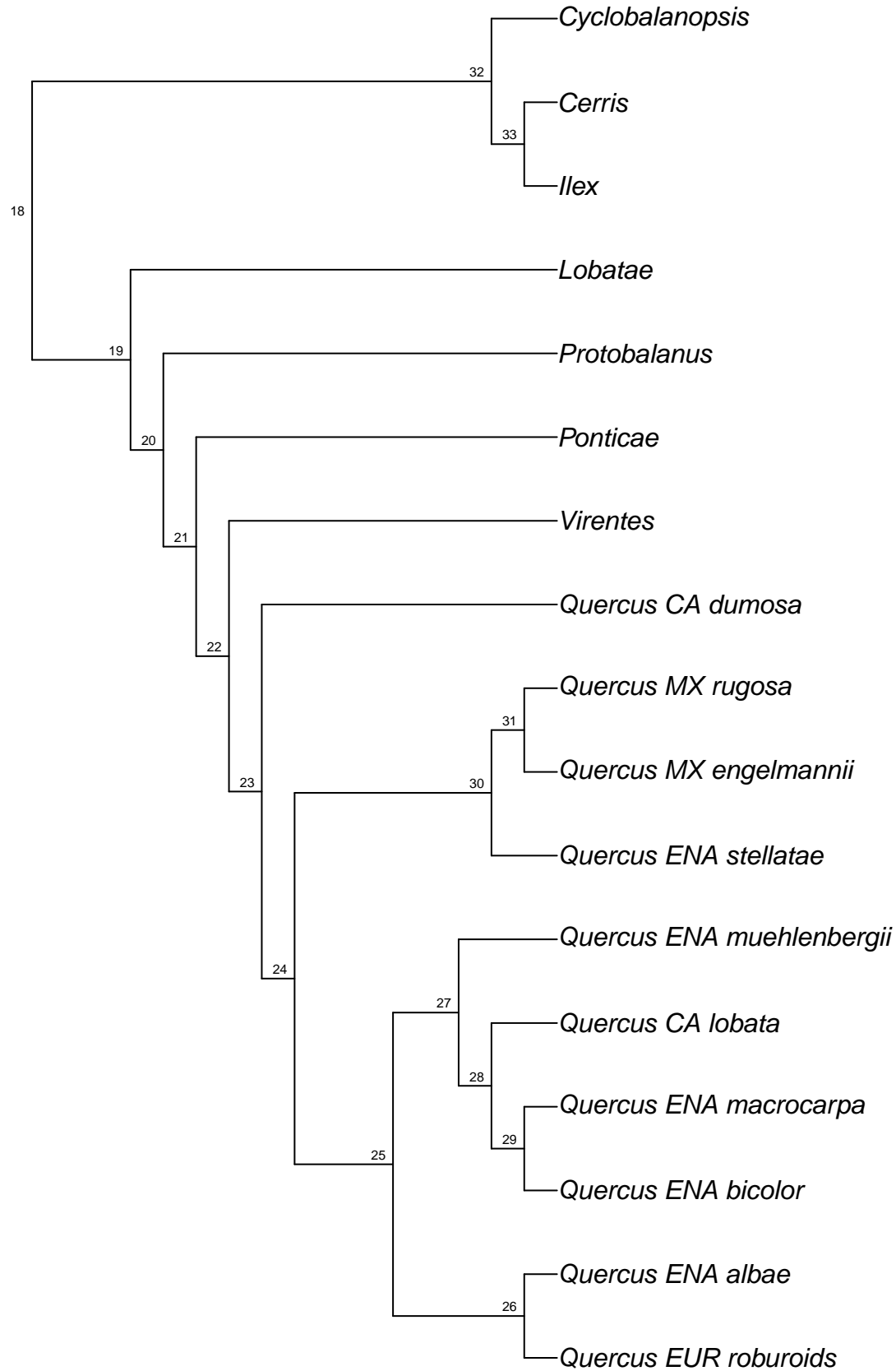


# reSeq.reseq\_Qvar.bt005

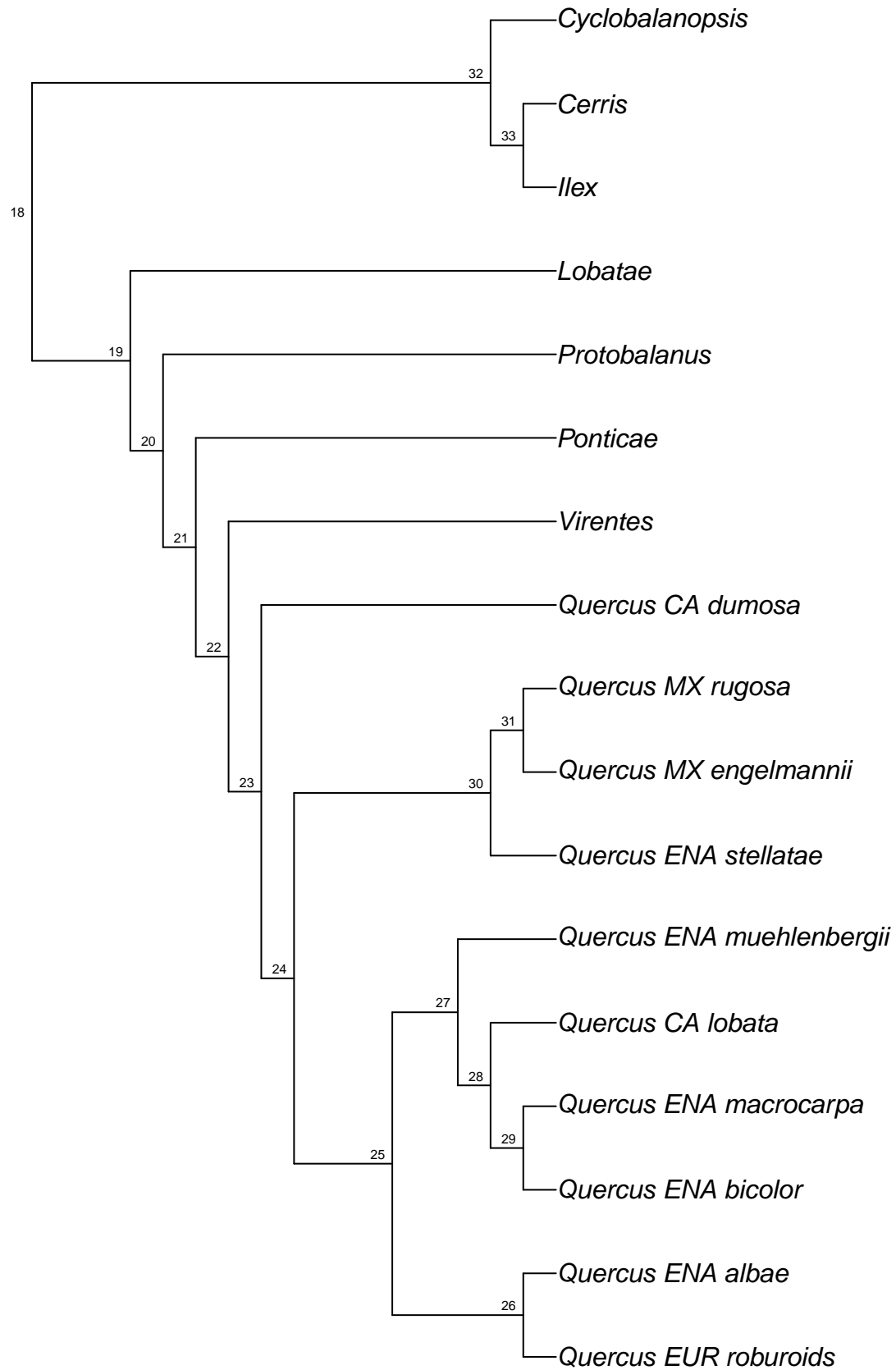




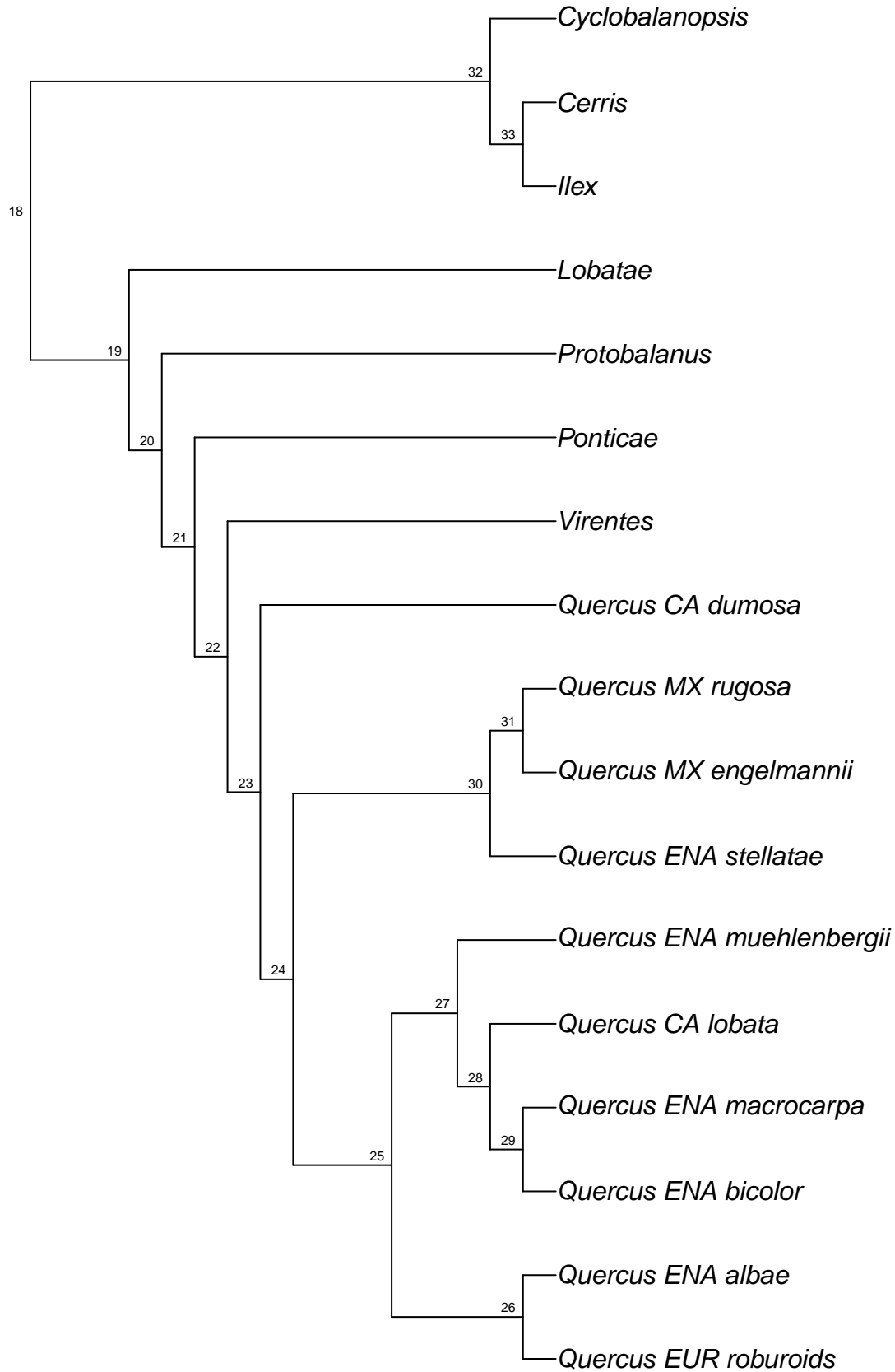
# reSeq.reseq\_Qvar.bt006



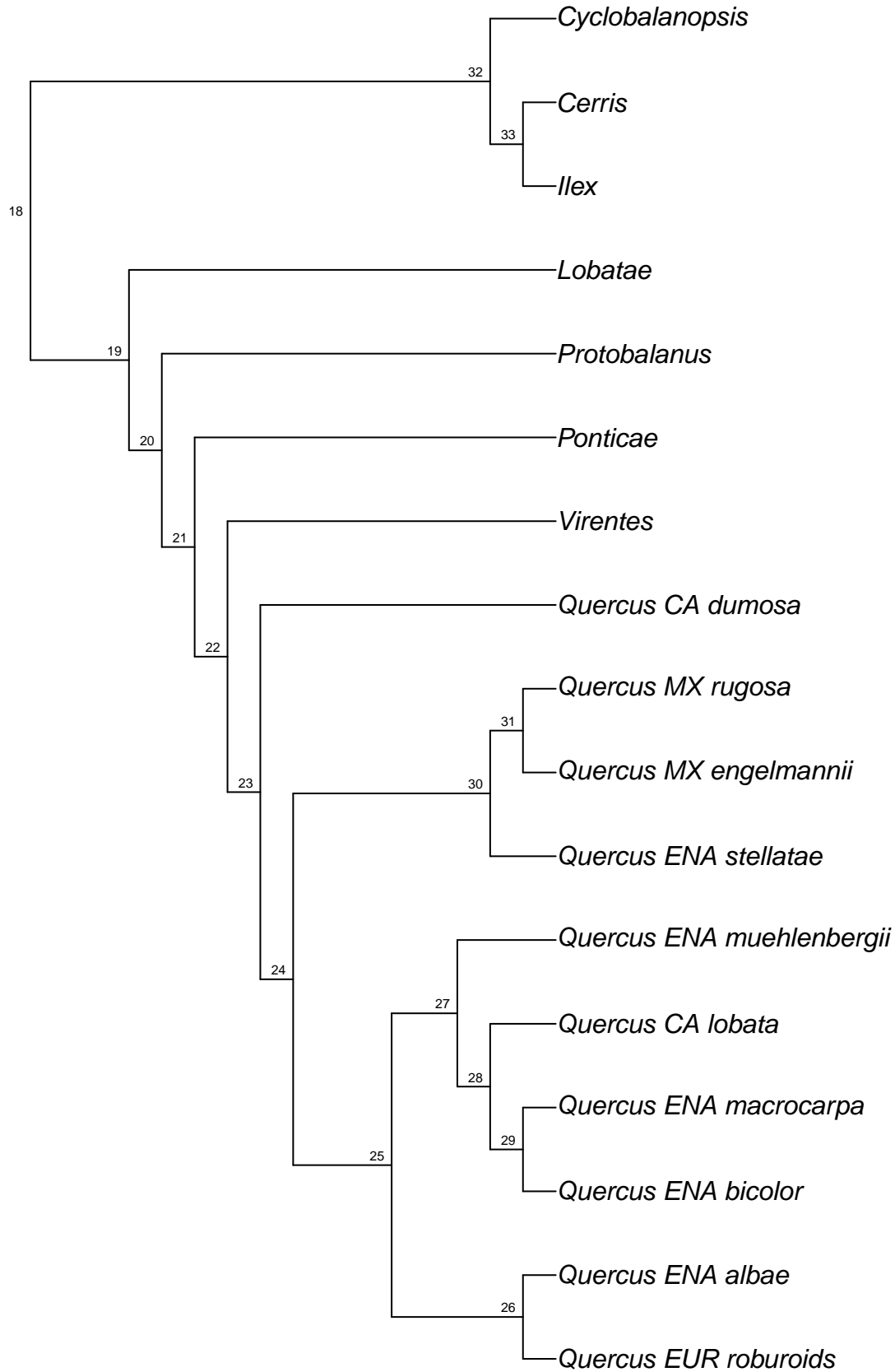
# reSeq.reseq\_Qvar.bt007



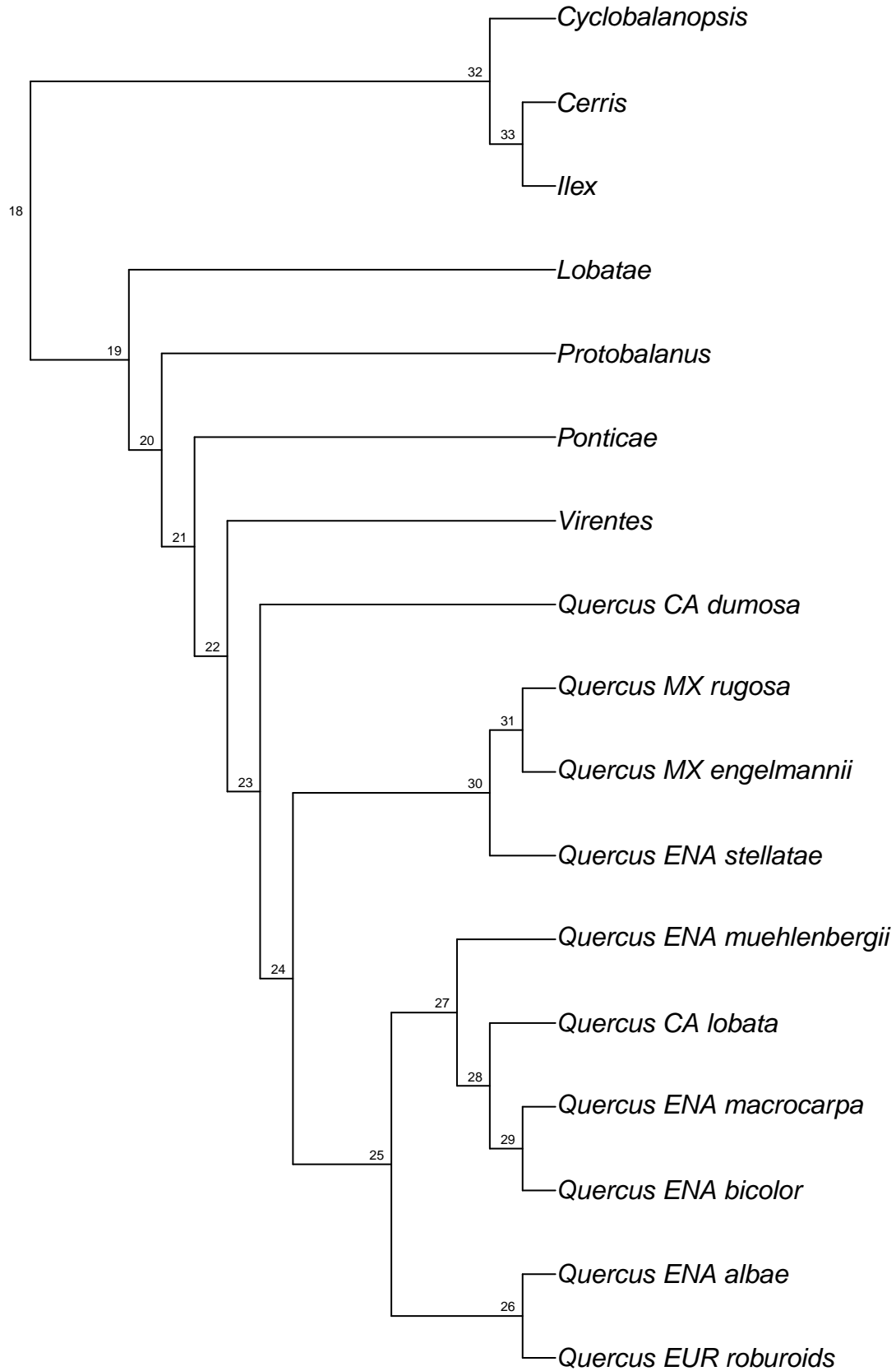
# reSeq.reseq\_Qvar.bt008



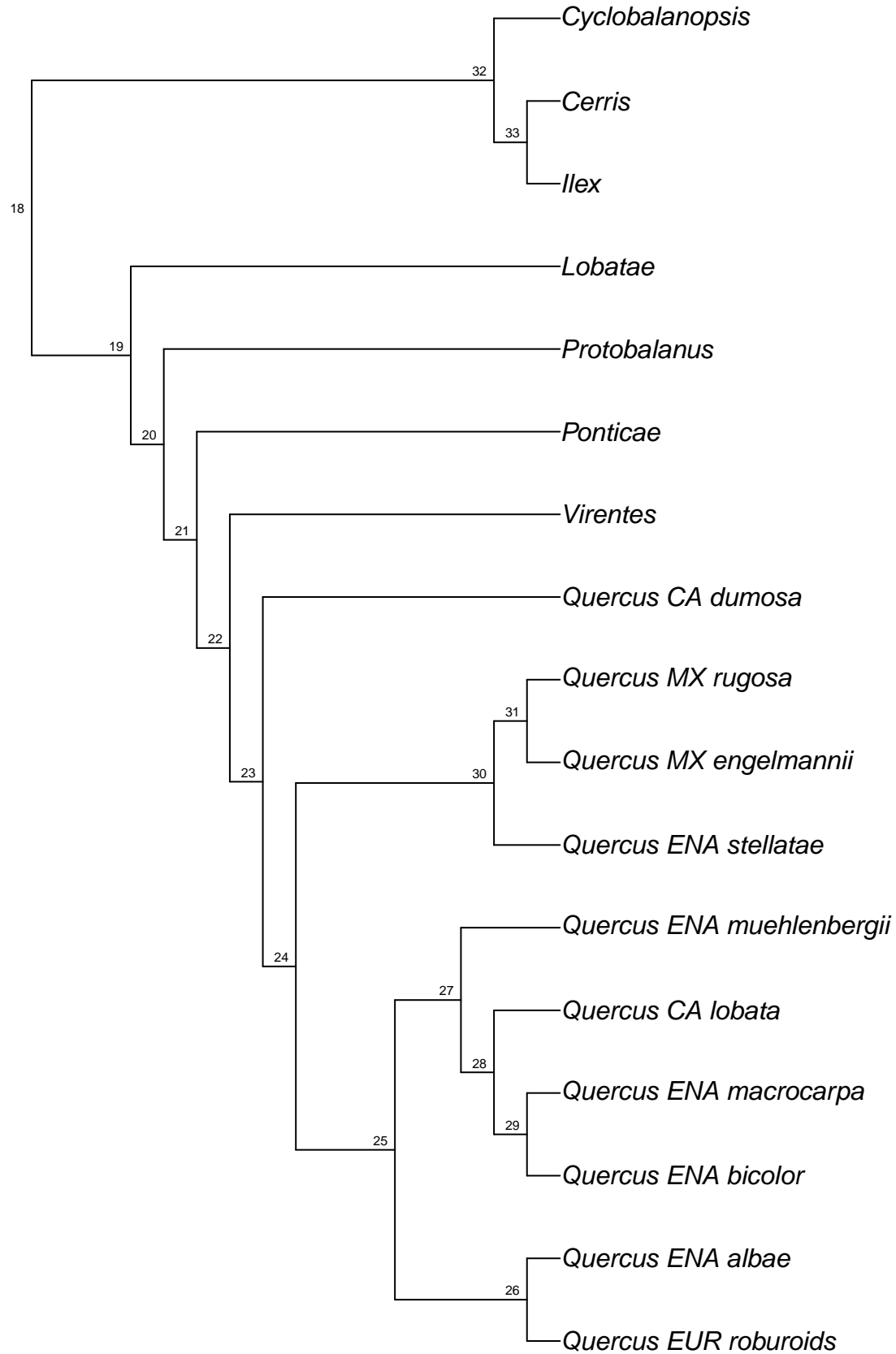
# reSeq.reseq\_Qvar.bt009



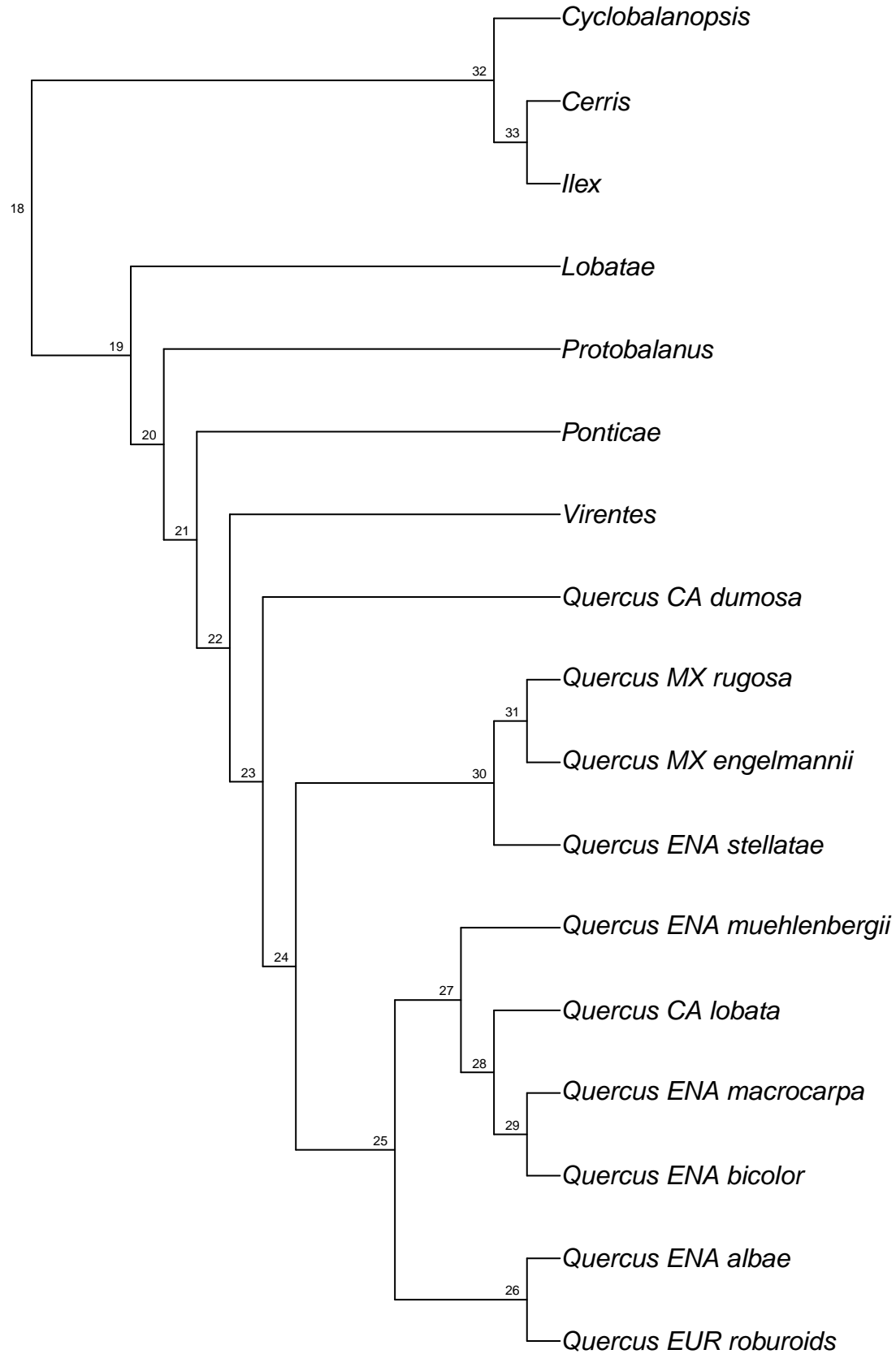
# reSeq.reseq\_Qvar.bt010



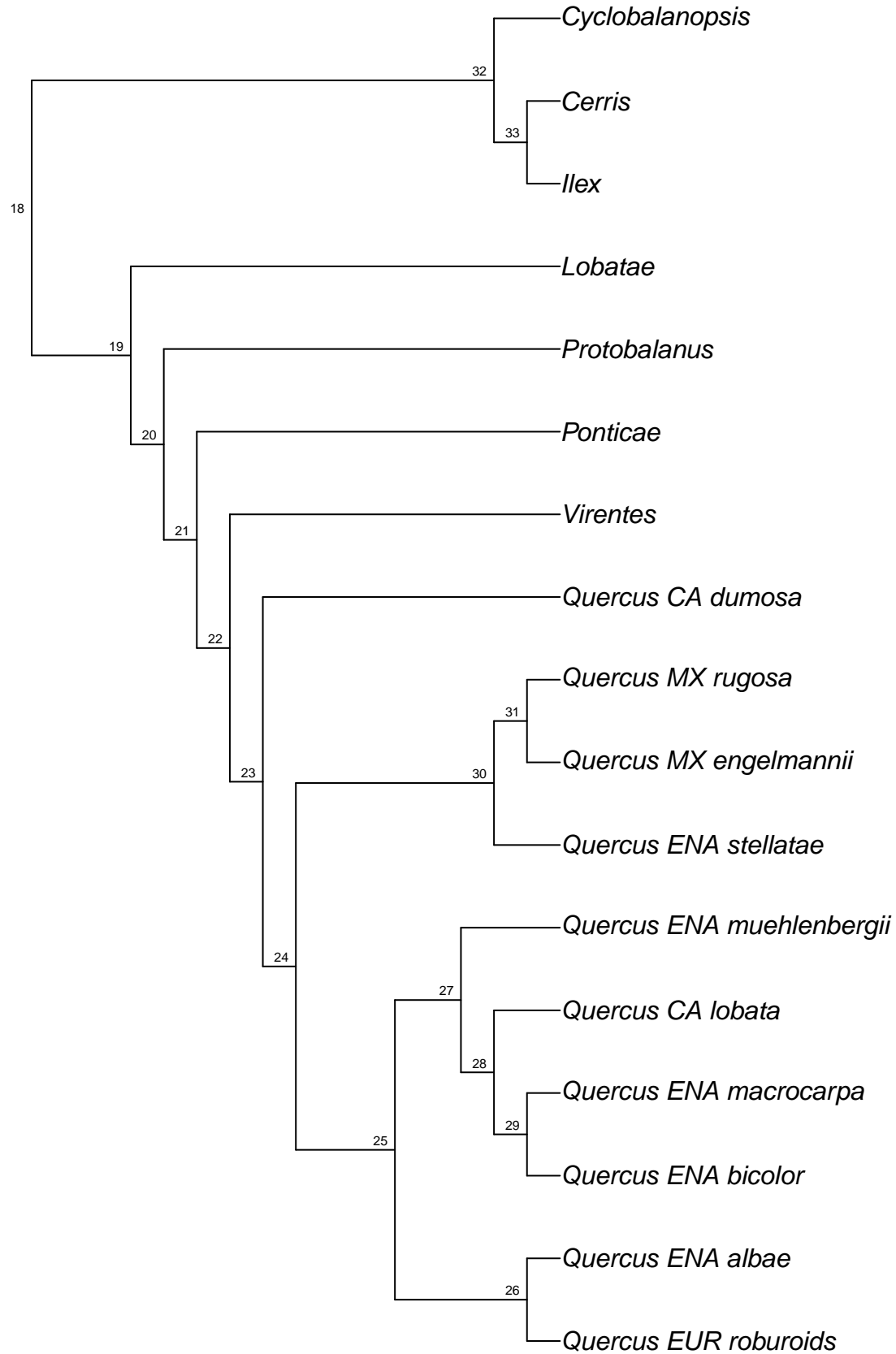
# reSeq.reseq\_Qvar.bt011



# reSeq.reseq\_Qvar.bt012

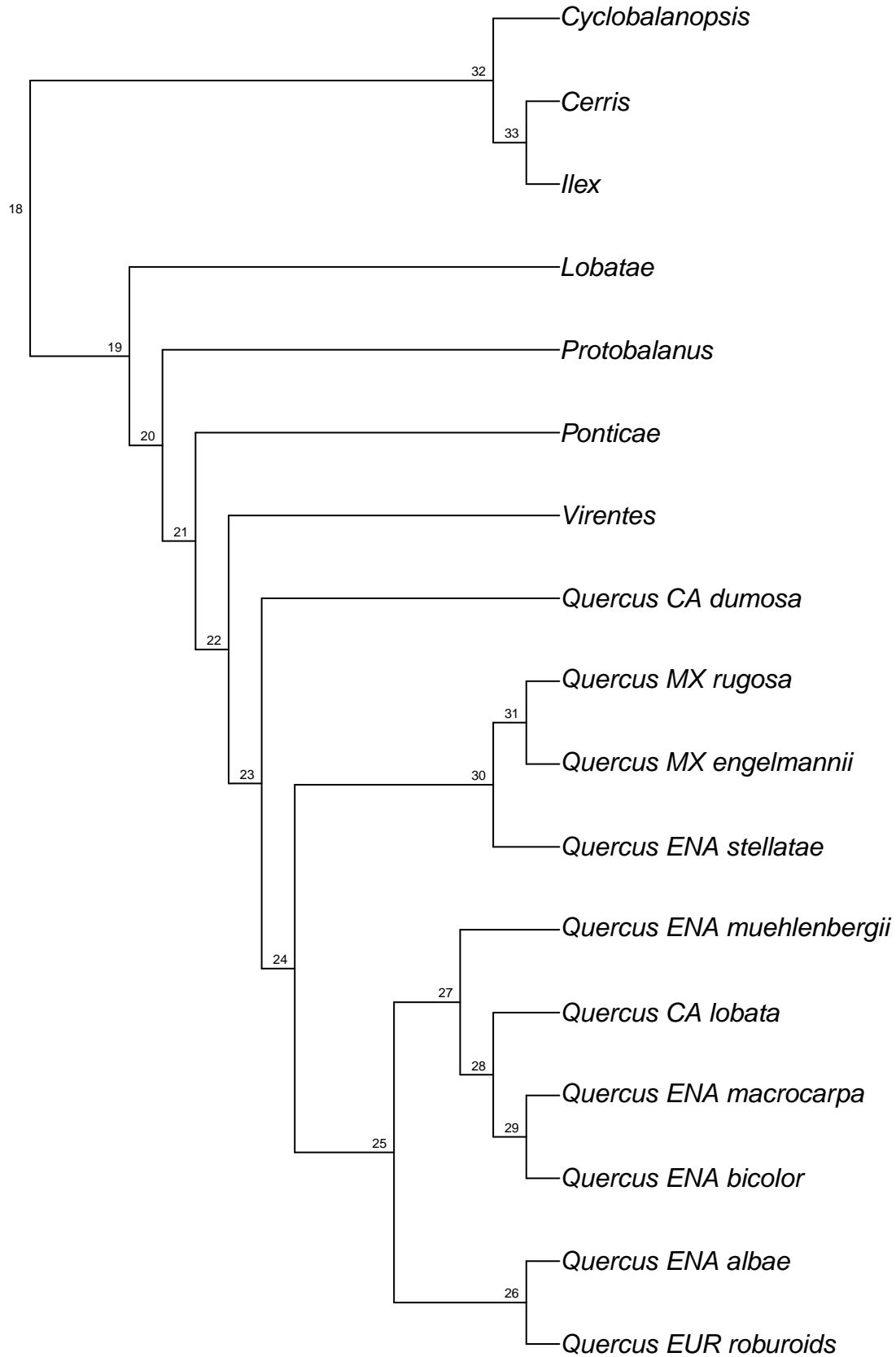


# reSeq.reseq\_Qvar.bt013

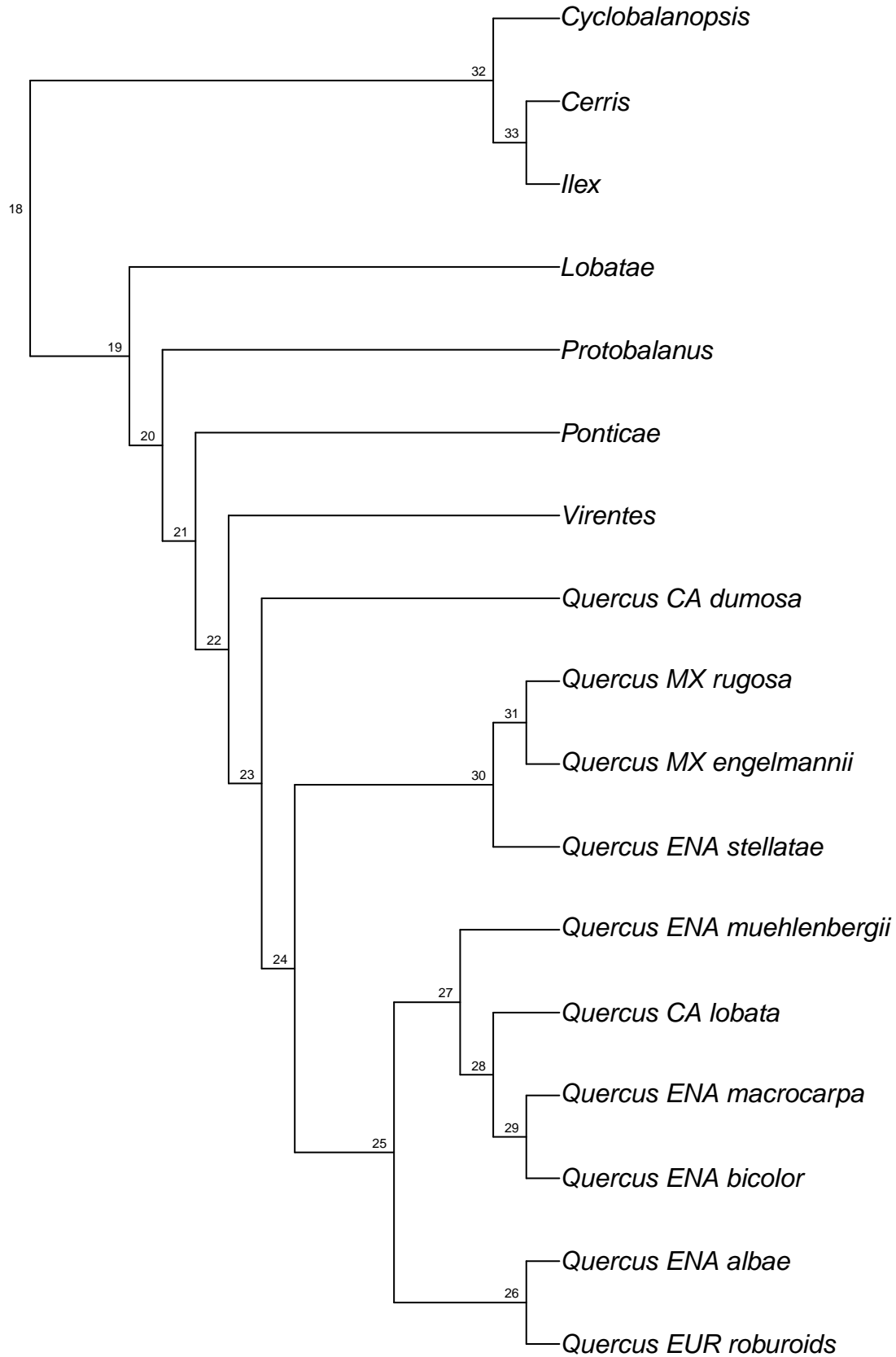




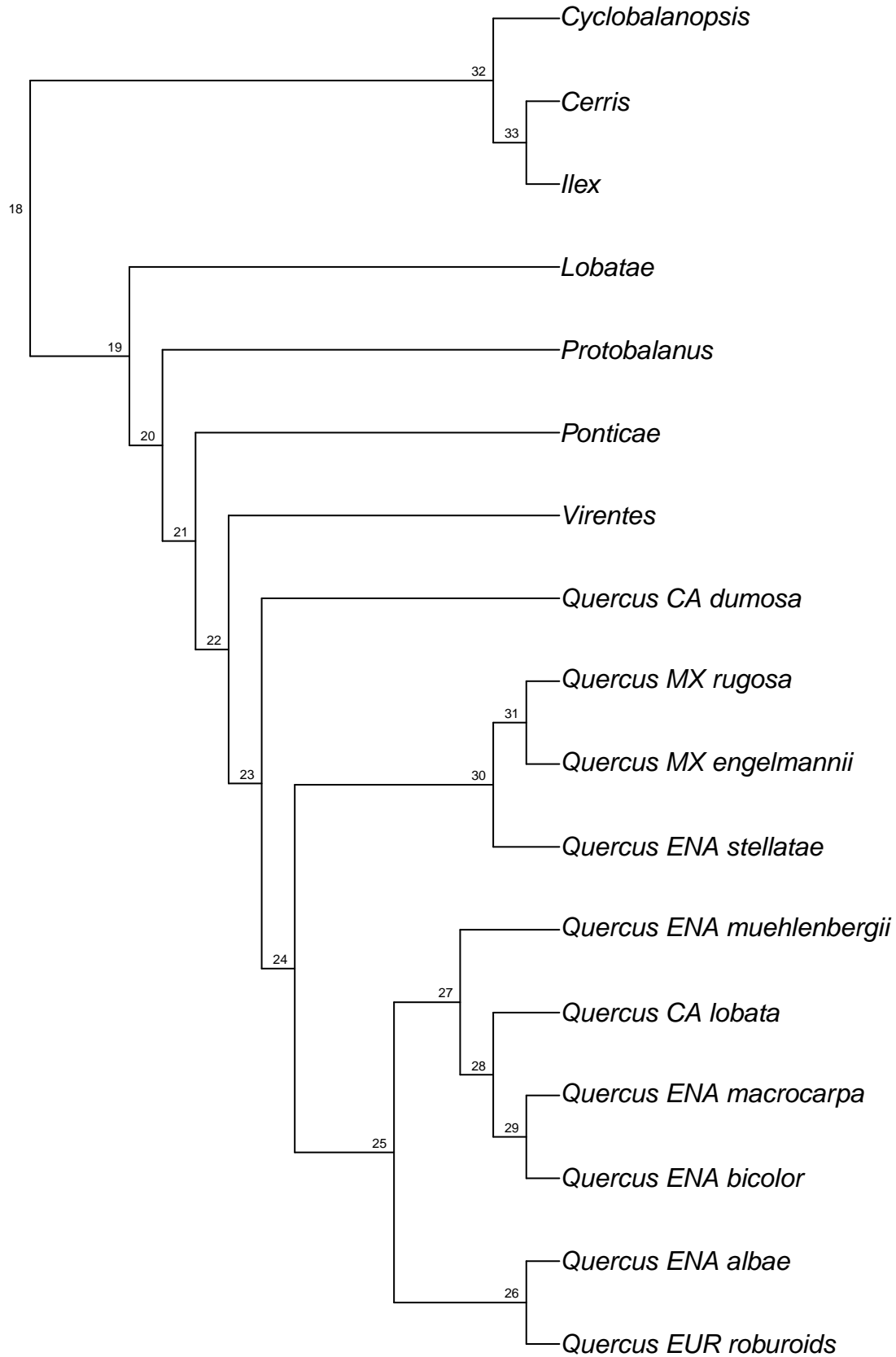
# reSeq.reseq\_Qvar.bt014



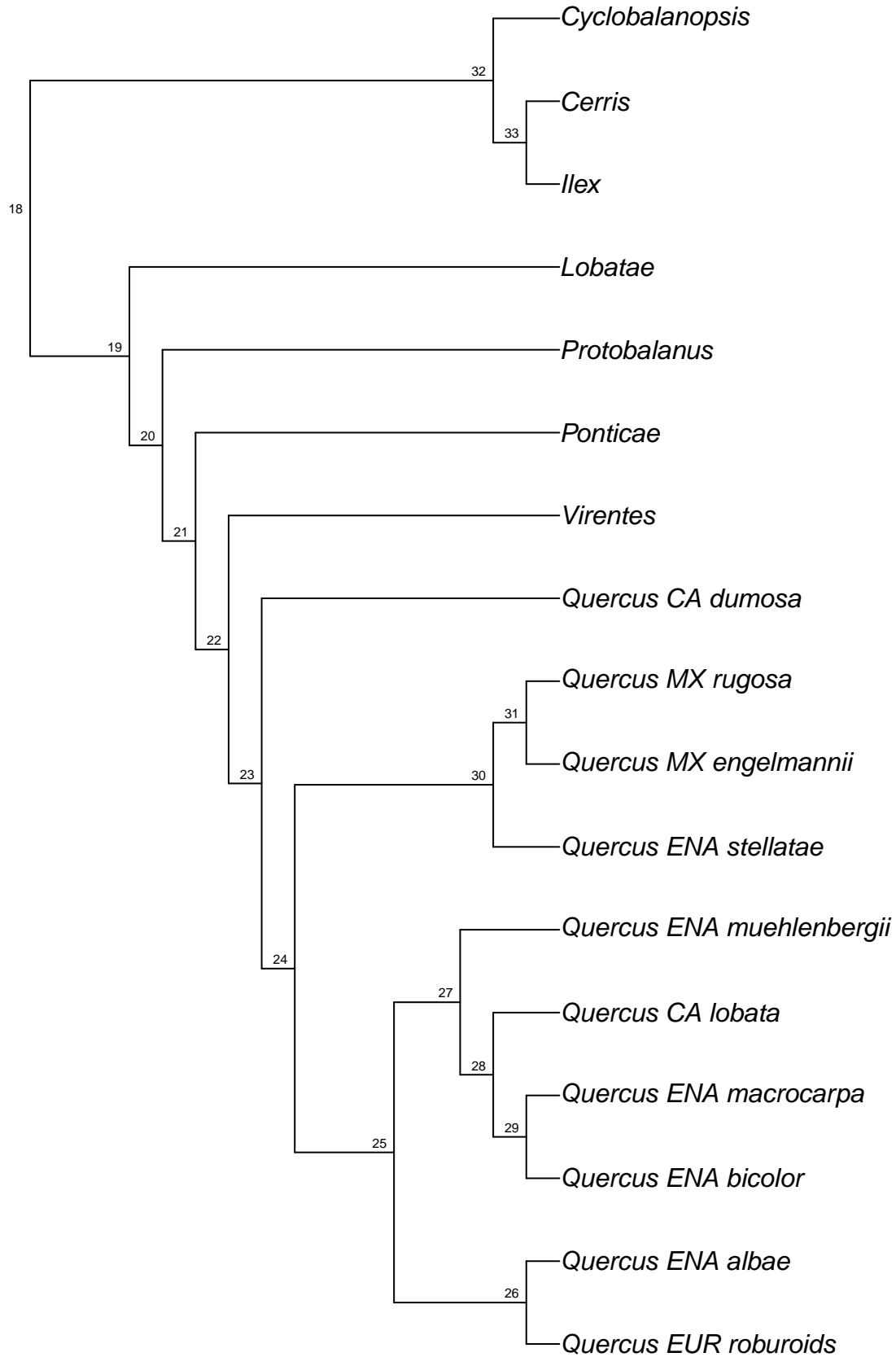
# reSeq.reseq\_Qvar.bt015



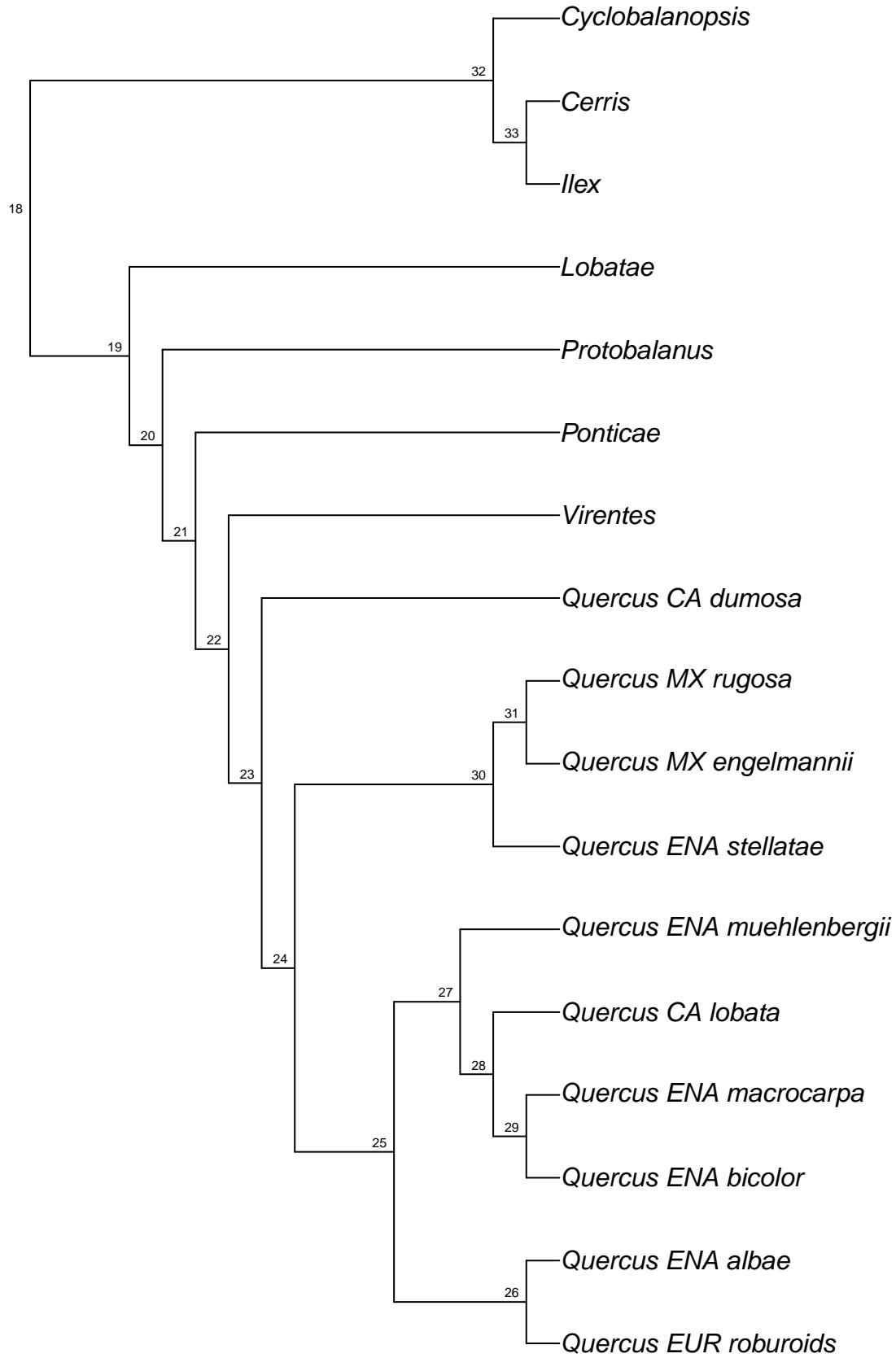
# reSeq.reseq\_Qvar.bt016



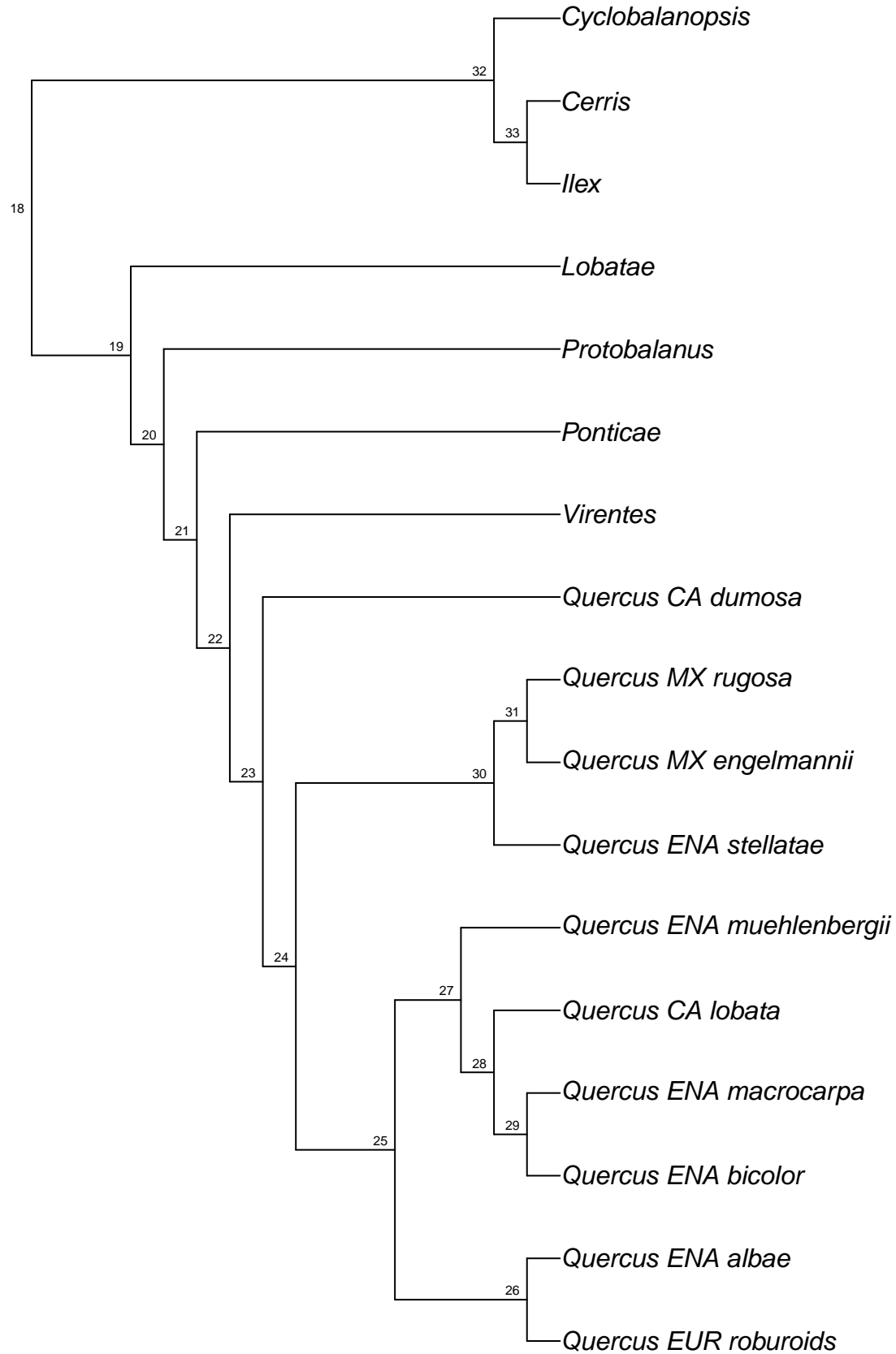
# reSeq.reseq\_Qvar.bt017



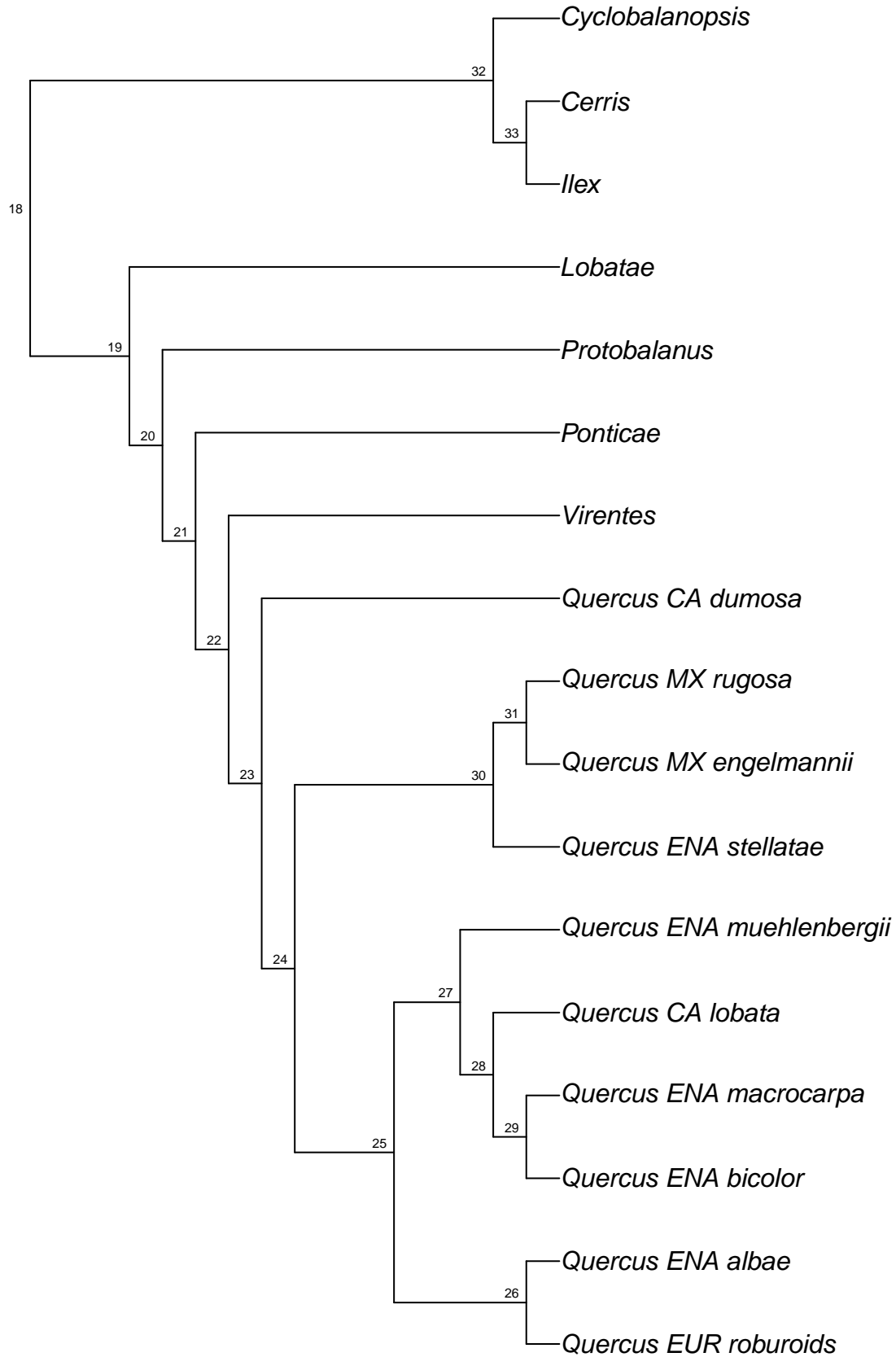
# reSeq.reseq\_Qvar.bt018



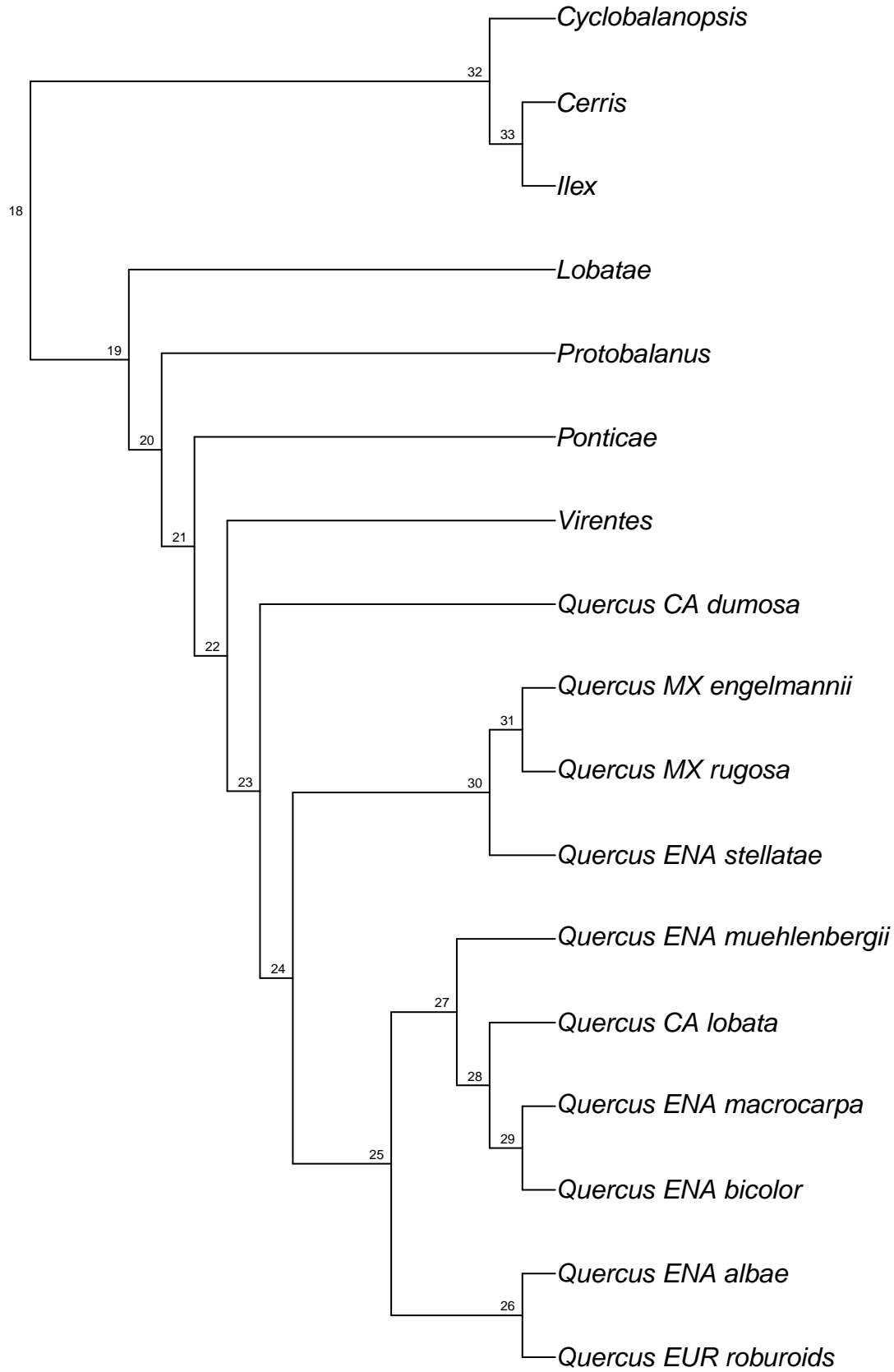
# reSeq.reseq\_Qvar.bt019



# reSeq.reseq\_Qvar.bt020

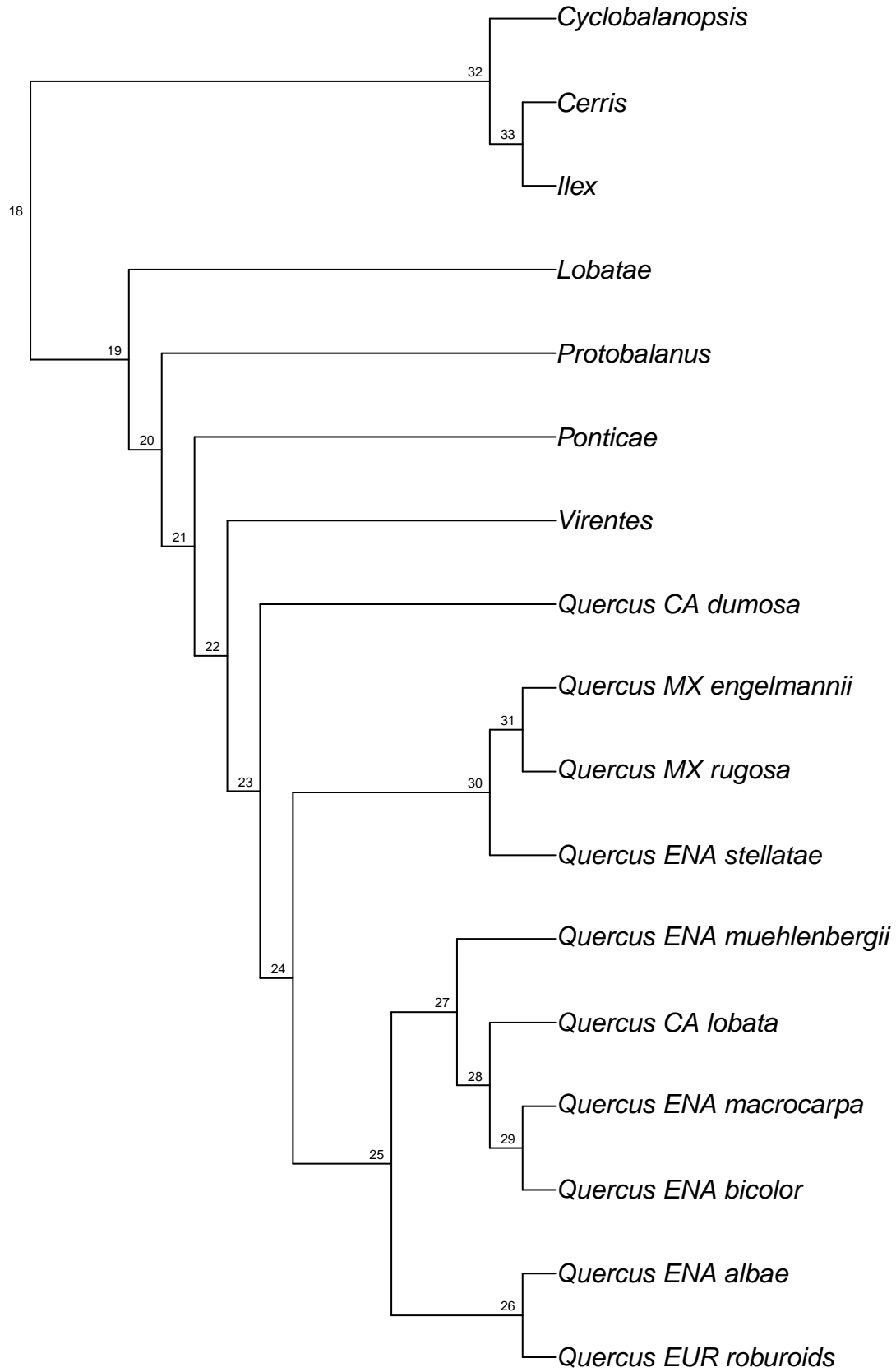


# reSeq.reseq\_Qvar.bt021





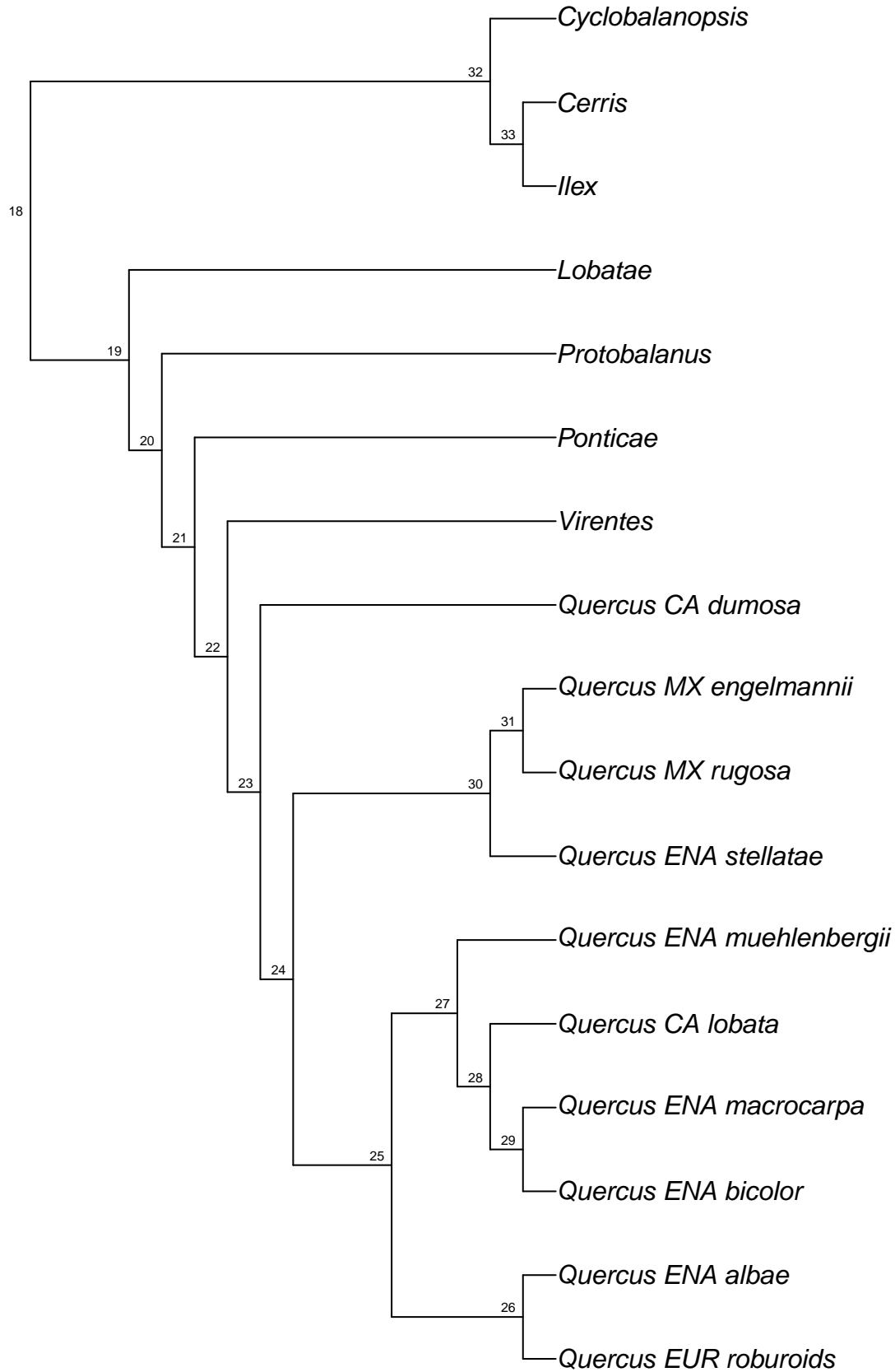
# reSeq.reseq\_Qvar.bt022



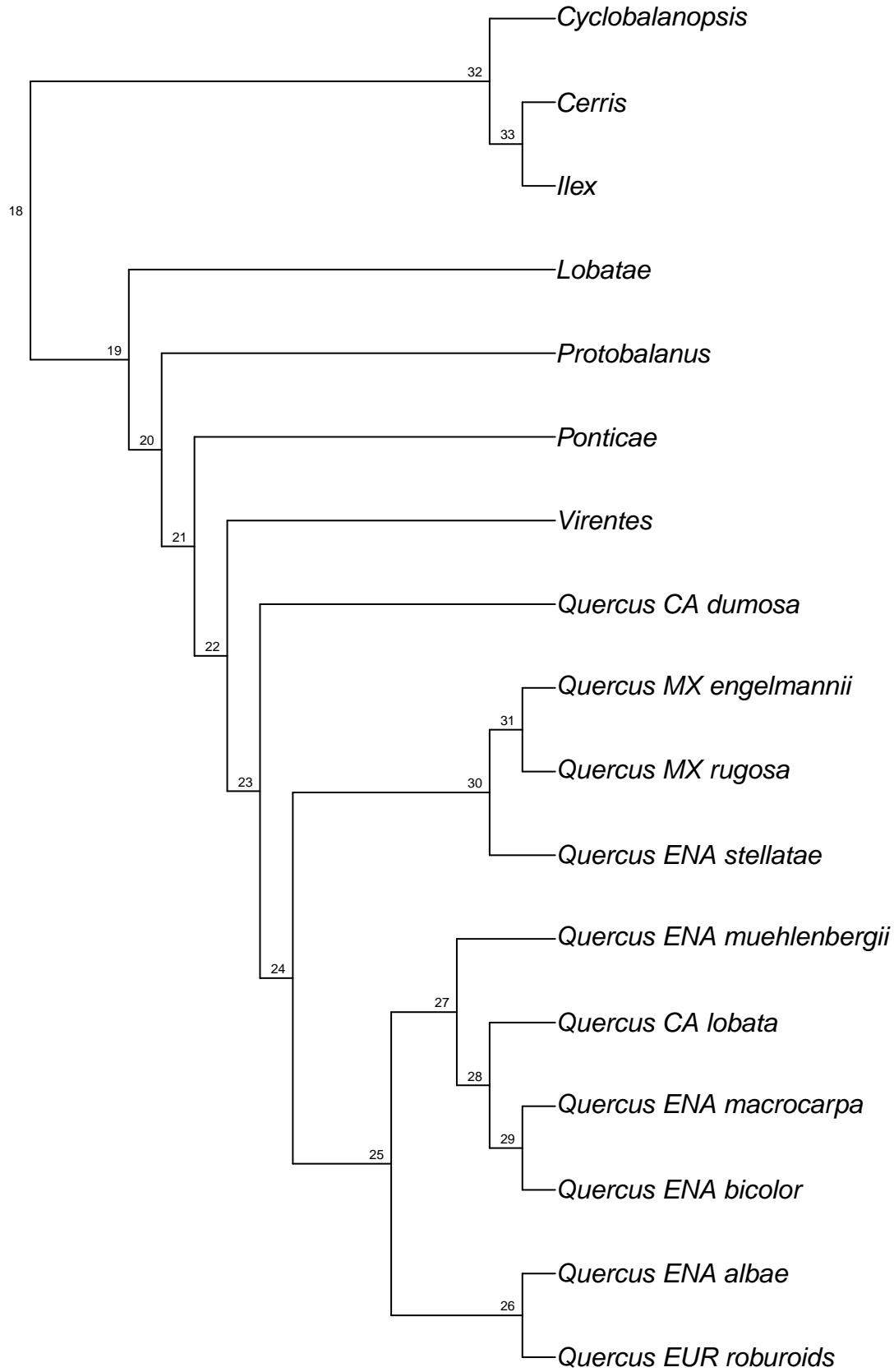
# reSeq.reseq\_Qvar.bt023



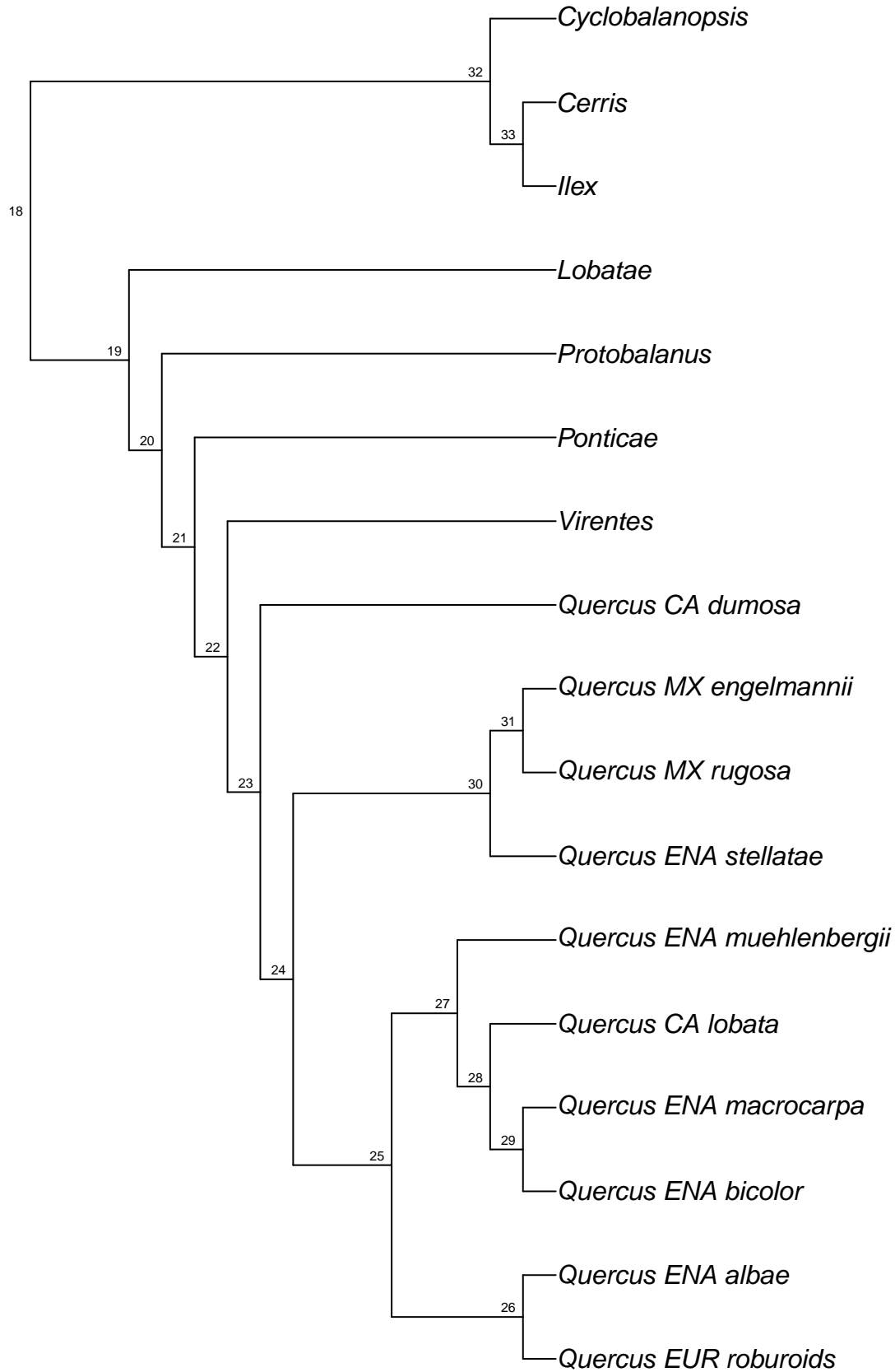
# reSeq.reseq\_Qvar.bt024



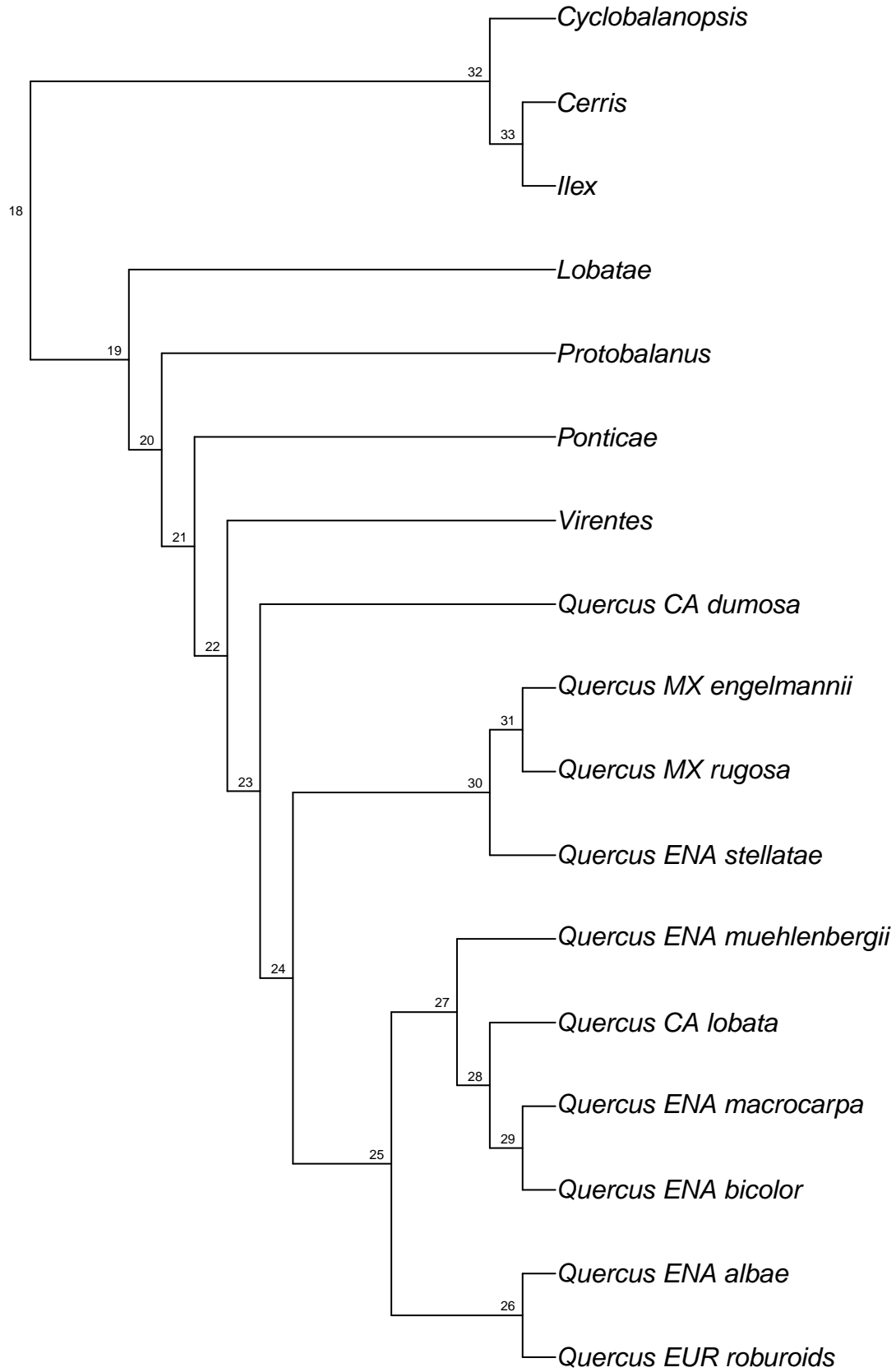
# reSeq.reseq\_Qvar.bt025



# reSeq.reseq\_Qvar.bt026



# reSeq.reseq\_Qvar.bt027



# reSeq.reseq\_Qvar.bt028

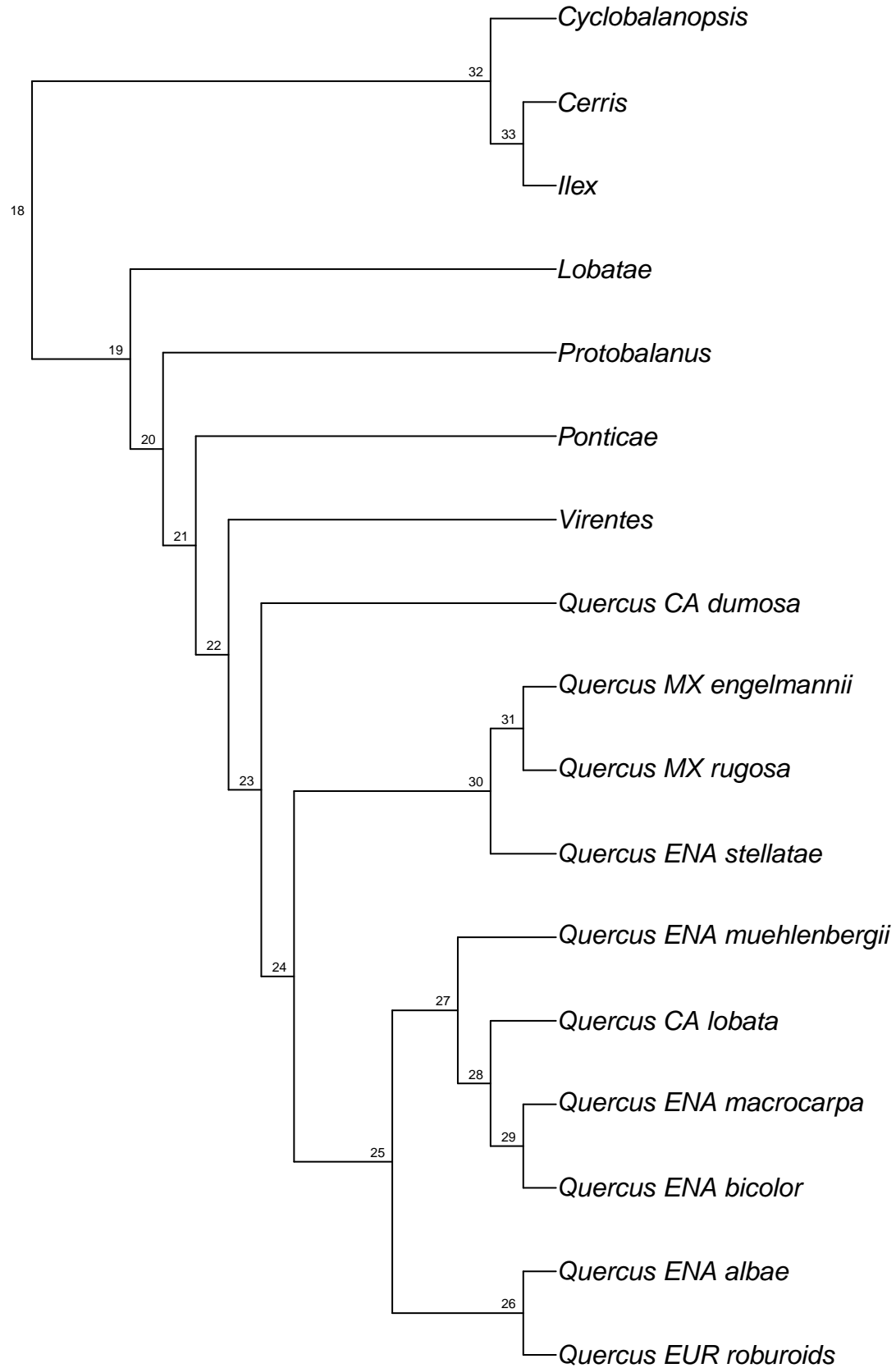


# reSeq.reseq\_Qvar.bt029





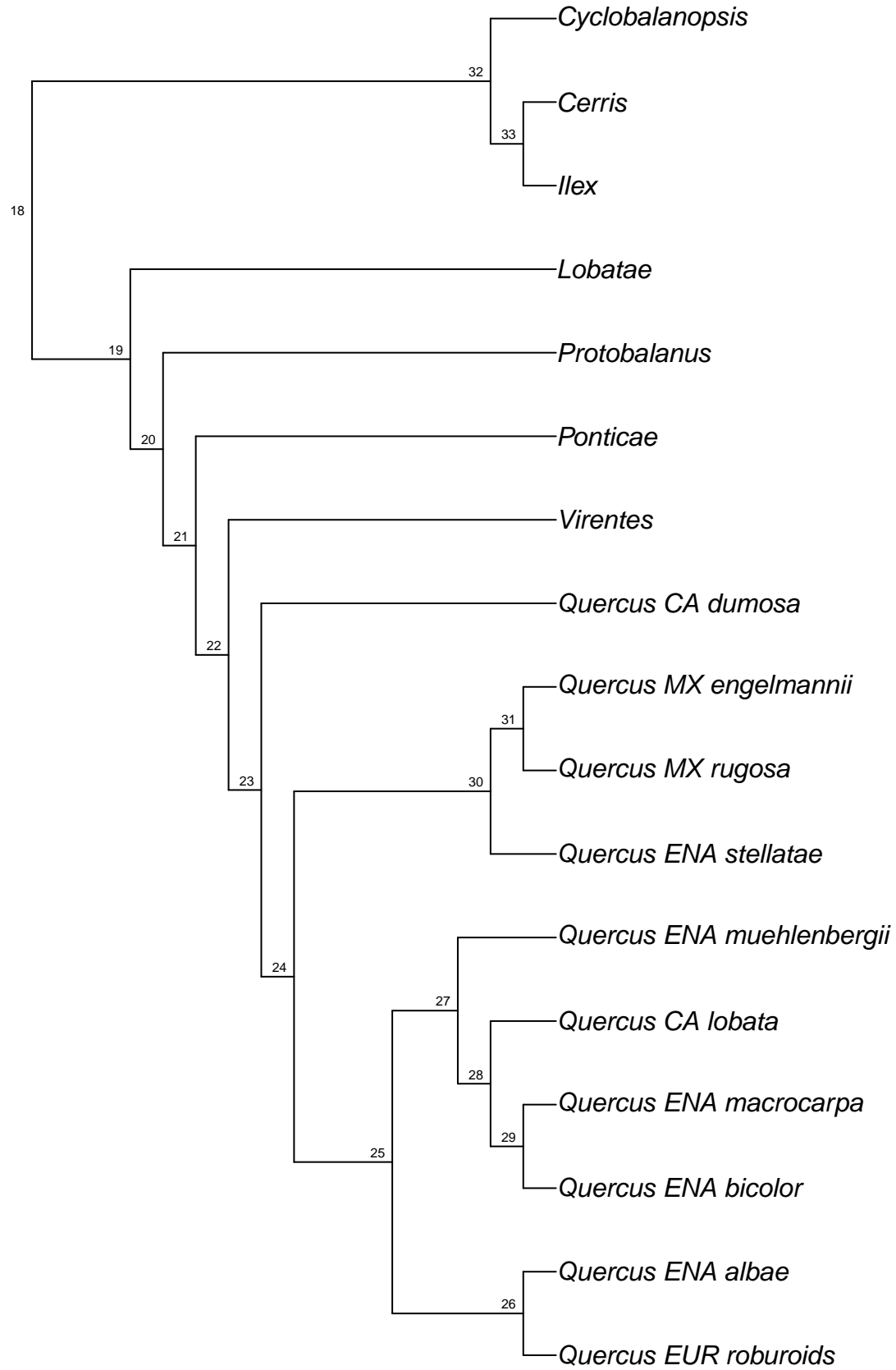
# reSeq.reseq\_Qvar.bt030



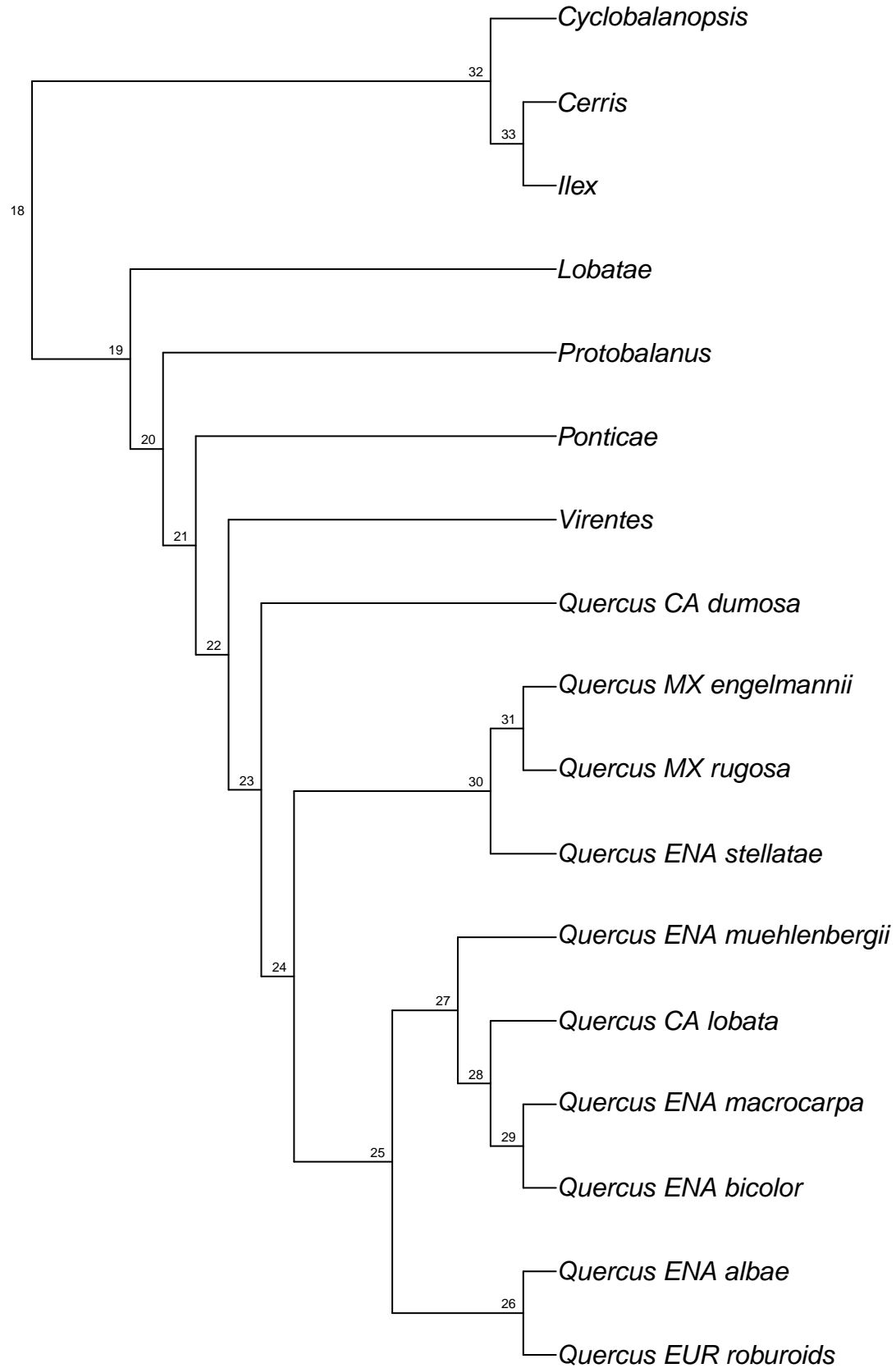
# reSeq.reseq\_Qvar.bt031



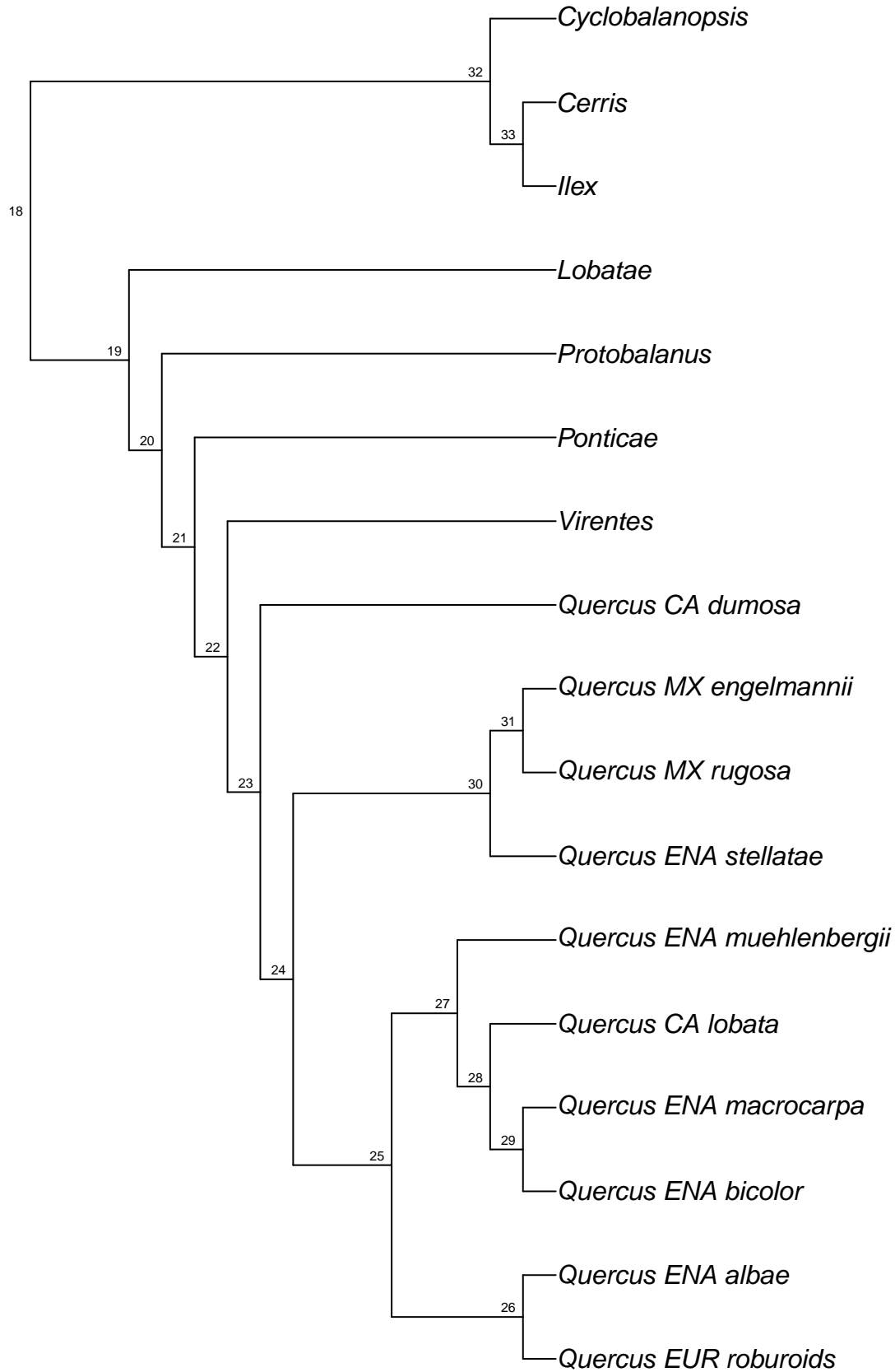
# reSeq.reseq\_Qvar.bt032



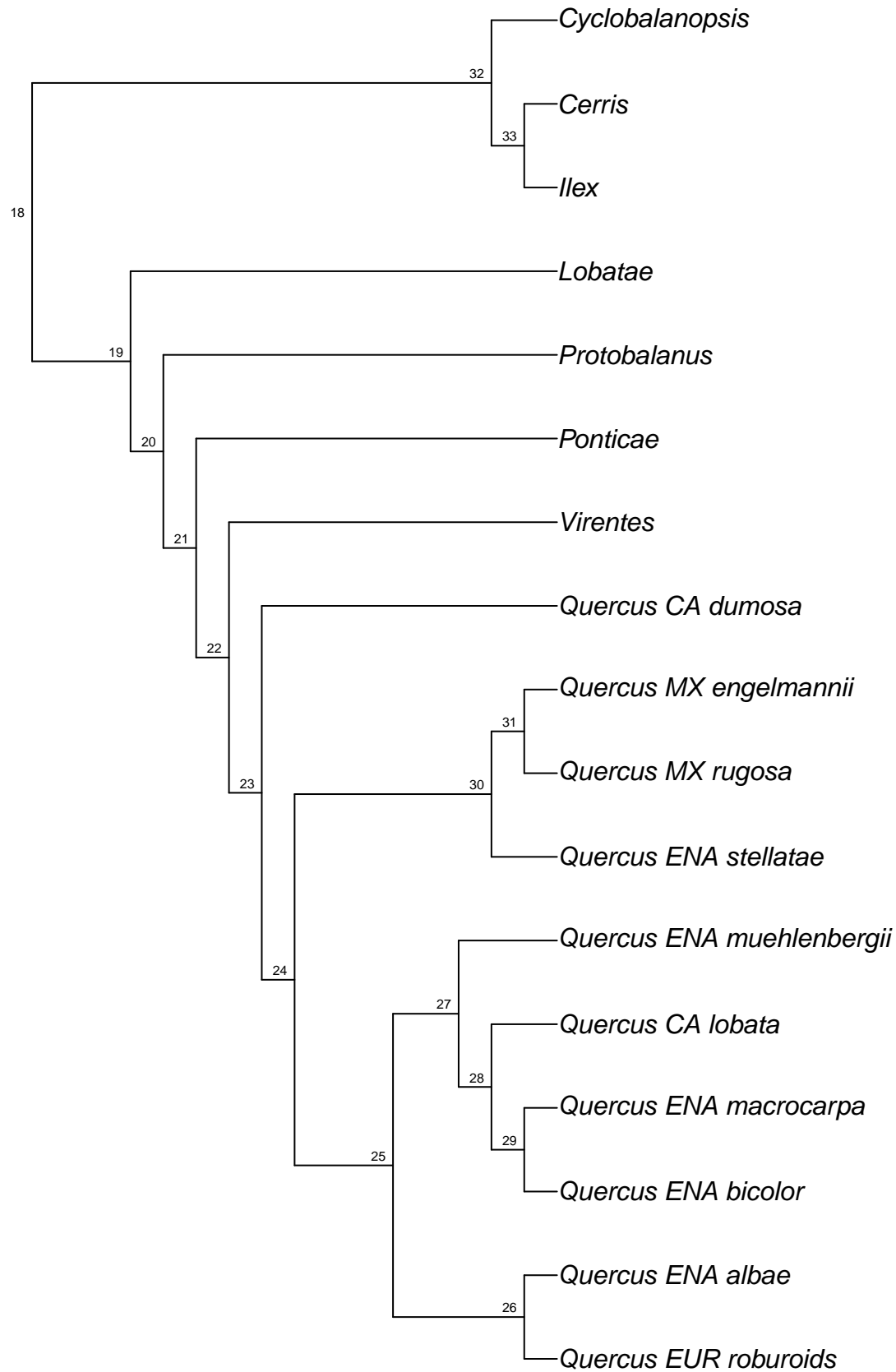
# reSeq.reseq\_Qvar.bt033



# reSeq.reseq\_Qvar.bt034



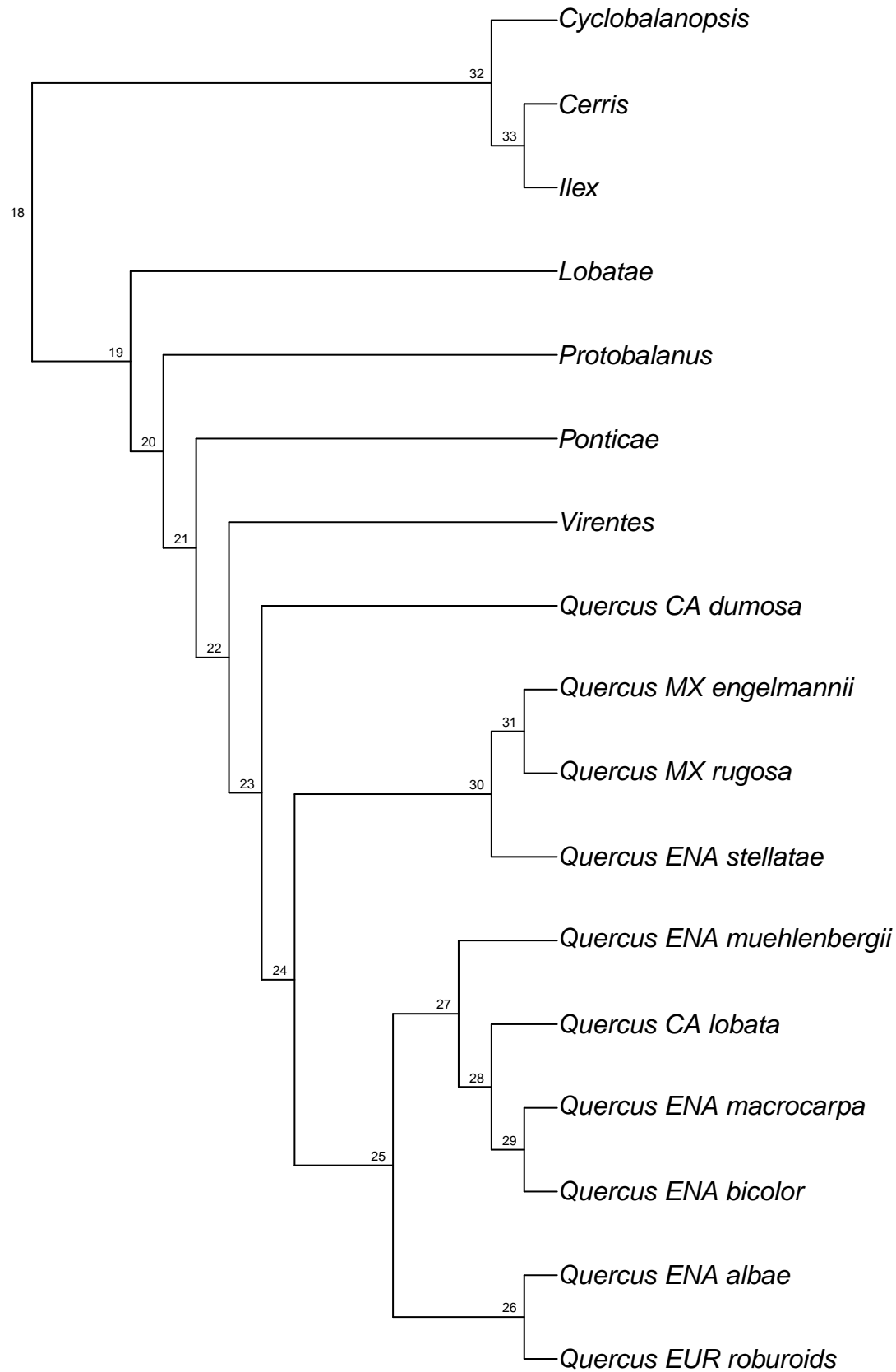
# reSeq.reseq\_Qvar.bt035



# reSeq.reseq\_Qvar.bt036

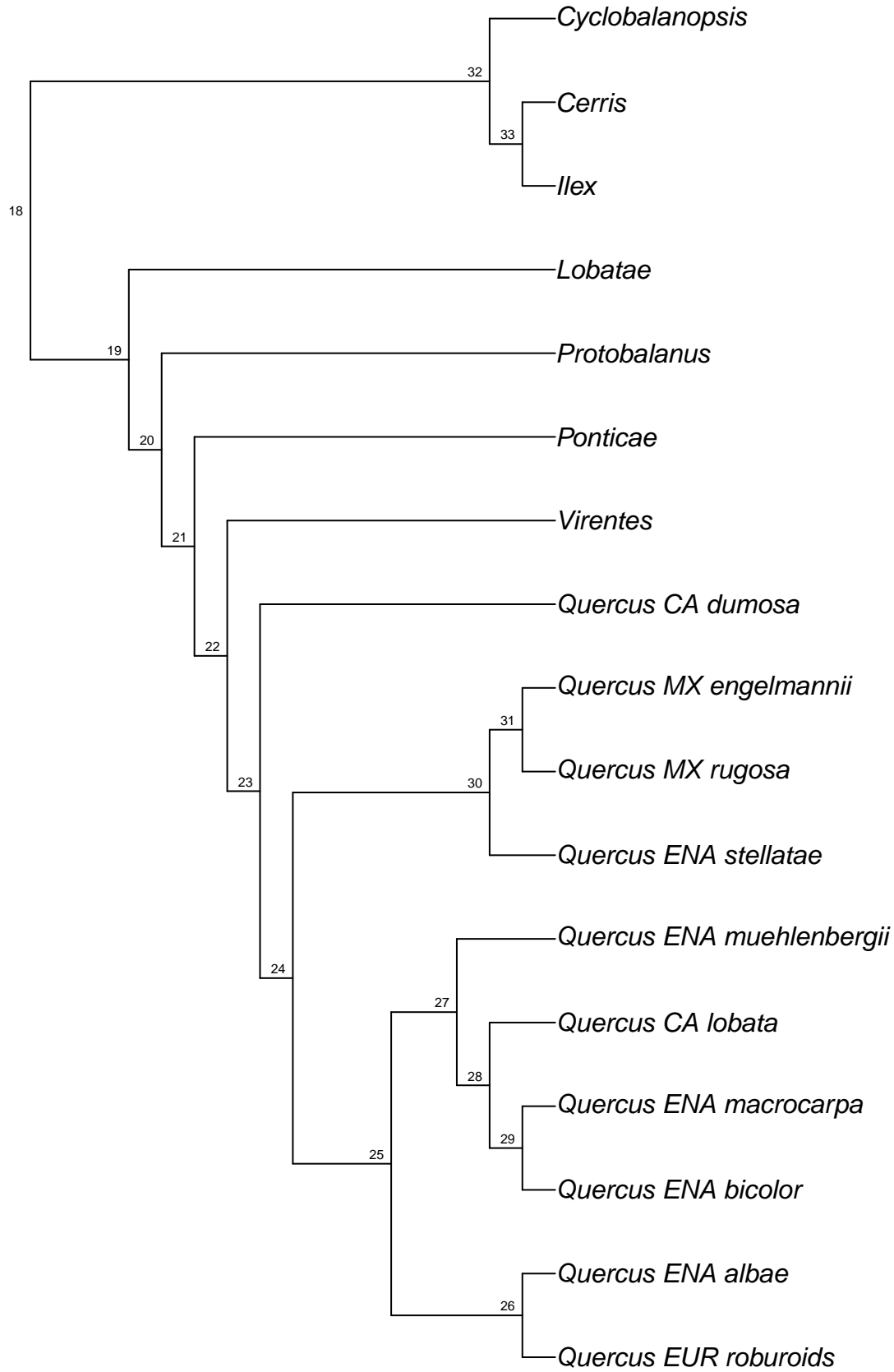


# reSeq.reseq\_Qvar.bt037

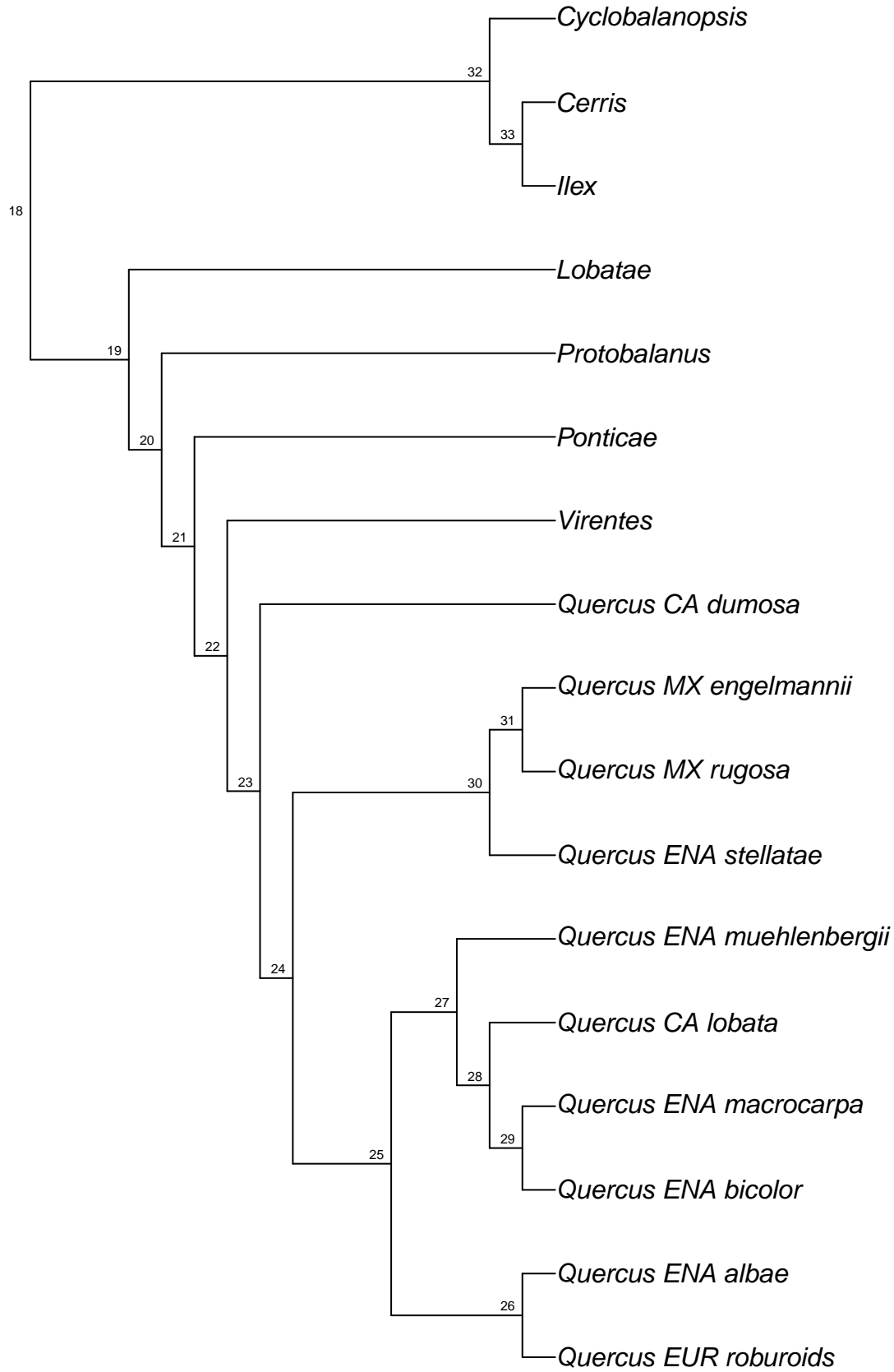




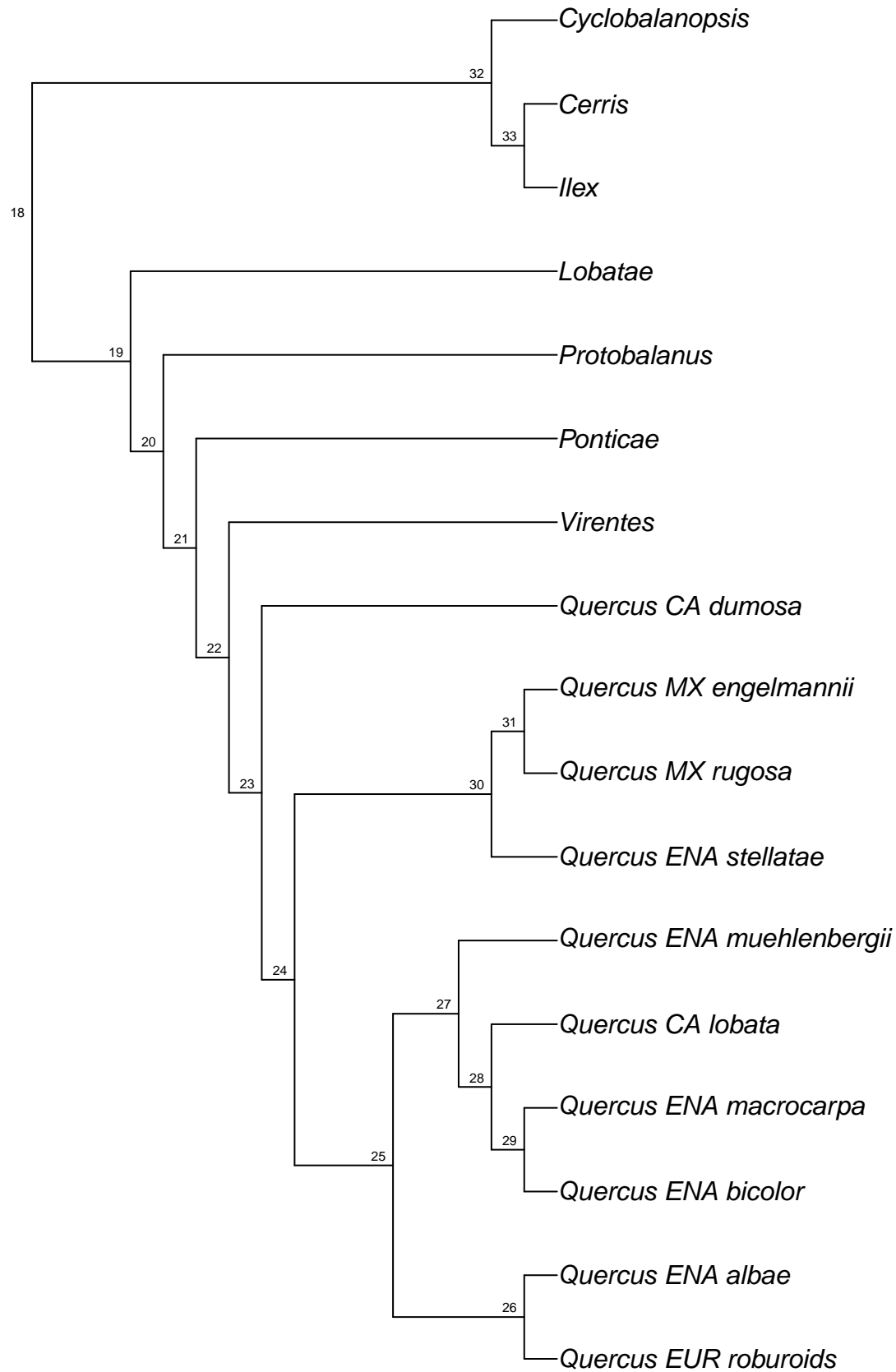
# reSeq.reseq\_Qvar.bt038



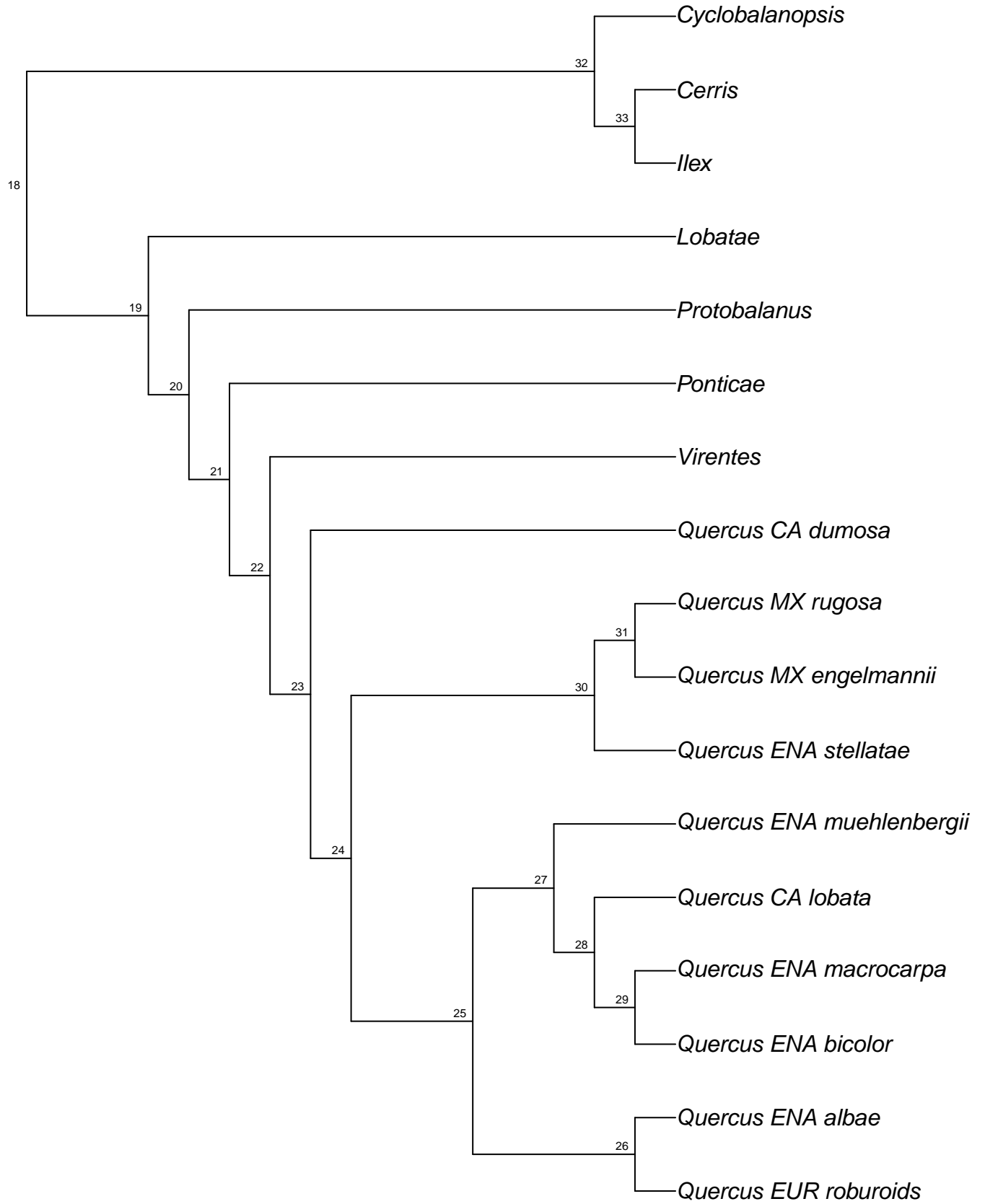
# reSeq.reseq\_Qvar.bt039



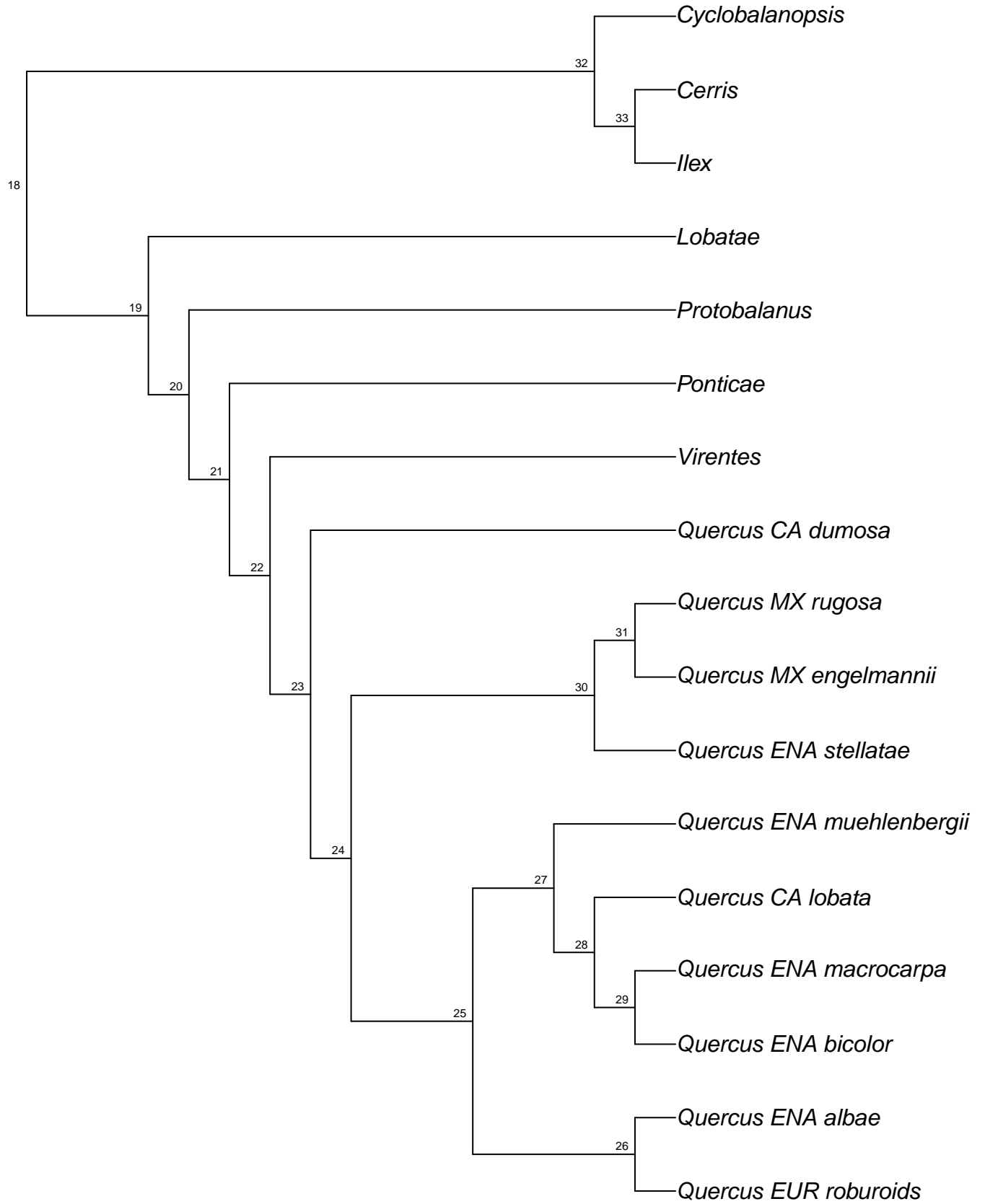
# reSeq.reseq\_Qvar.bt040



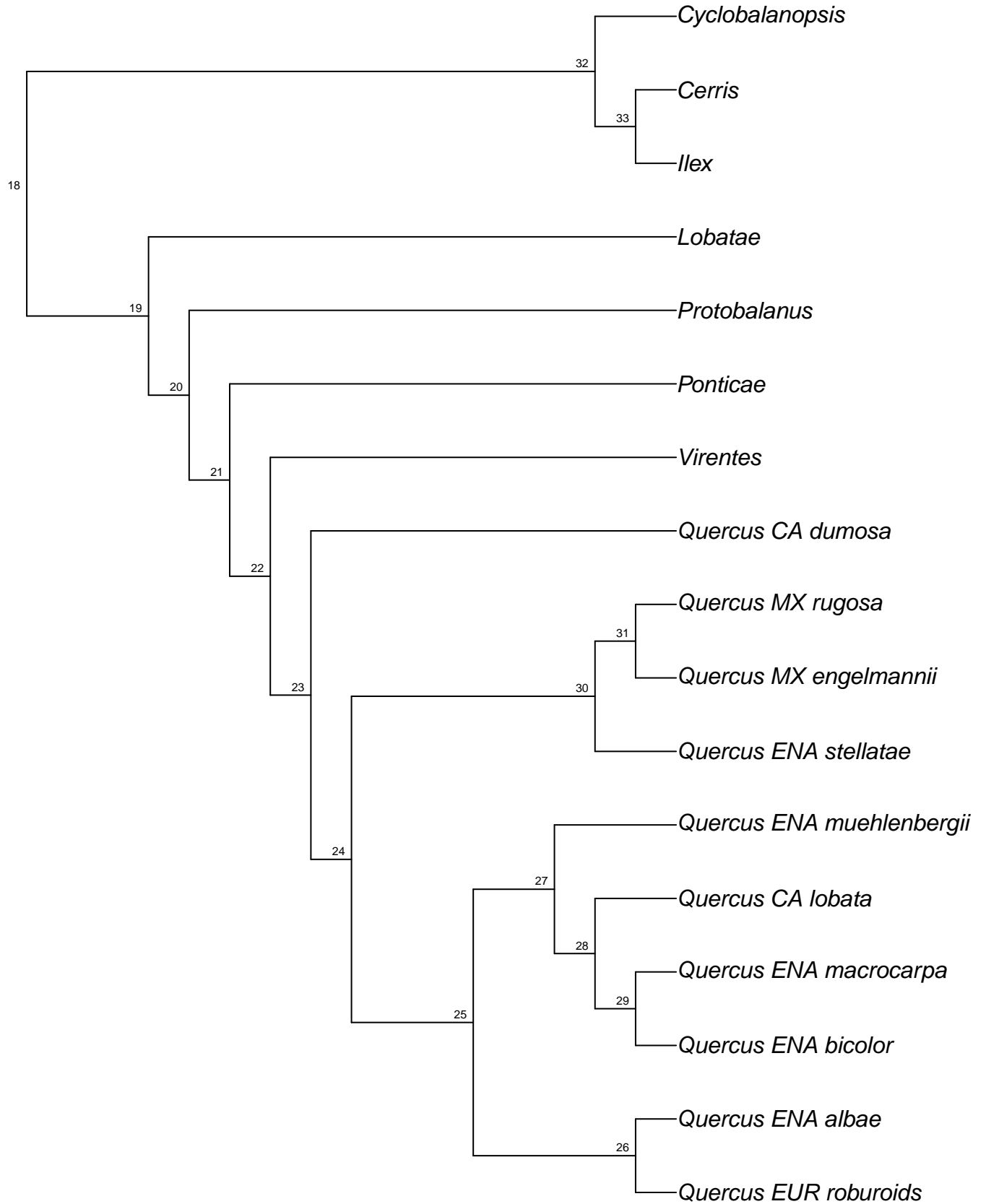
# reSeq.reseq\_Qvar.bt041



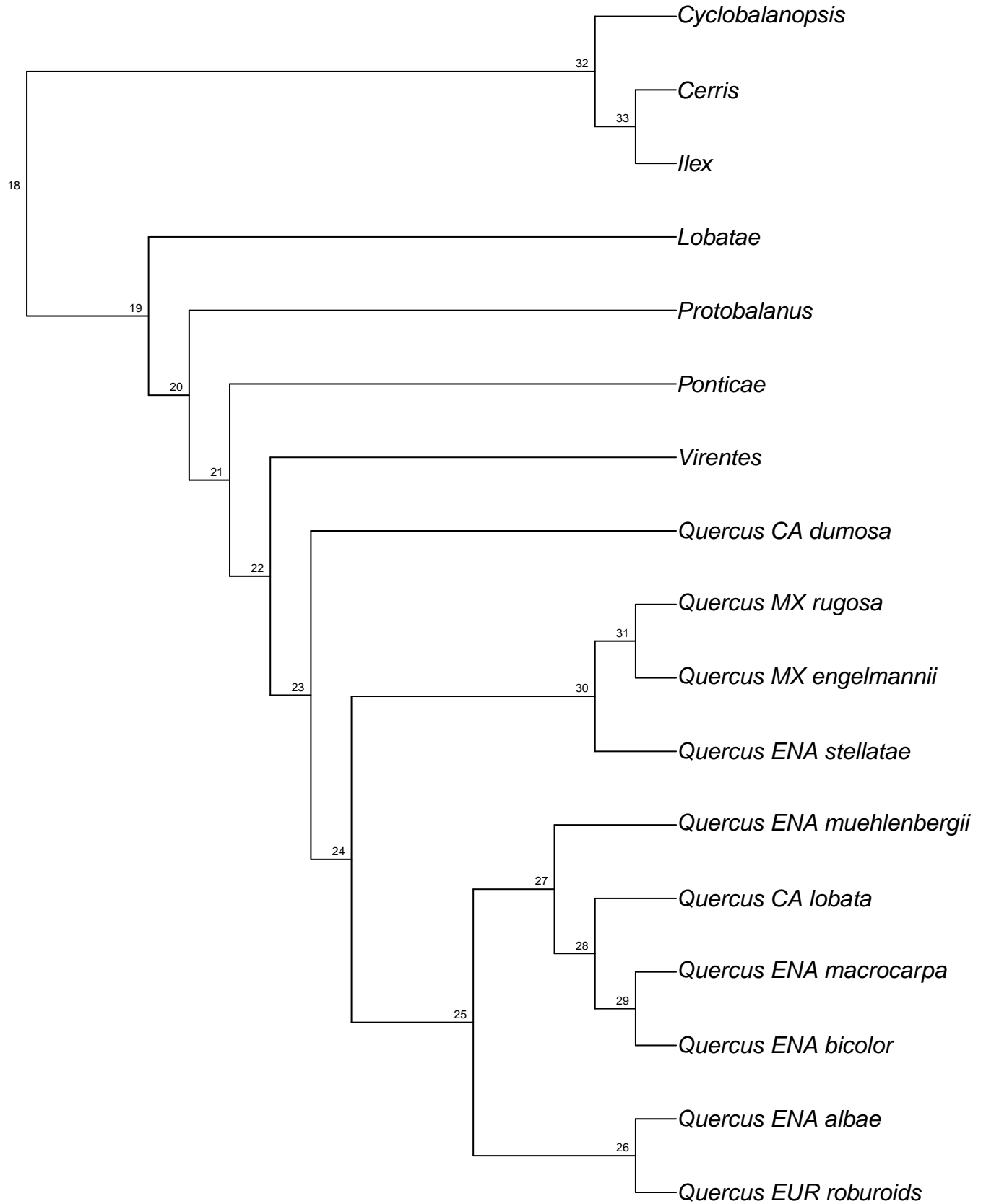
# reSeq.reseq\_Qvar.bt042



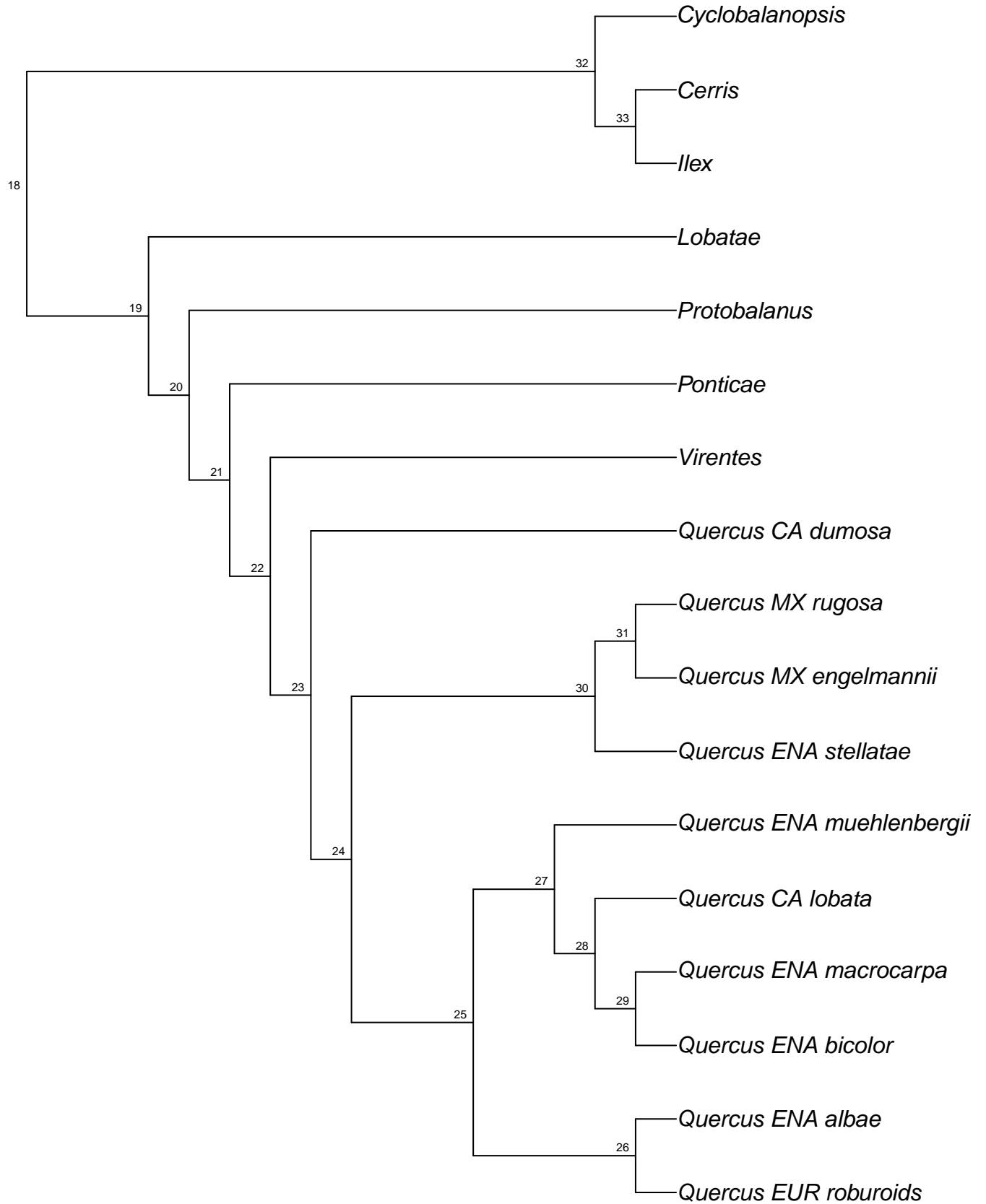
# reSeq.reseq\_Qvar.bt043



# reSeq.reseq\_Qvar.bt044

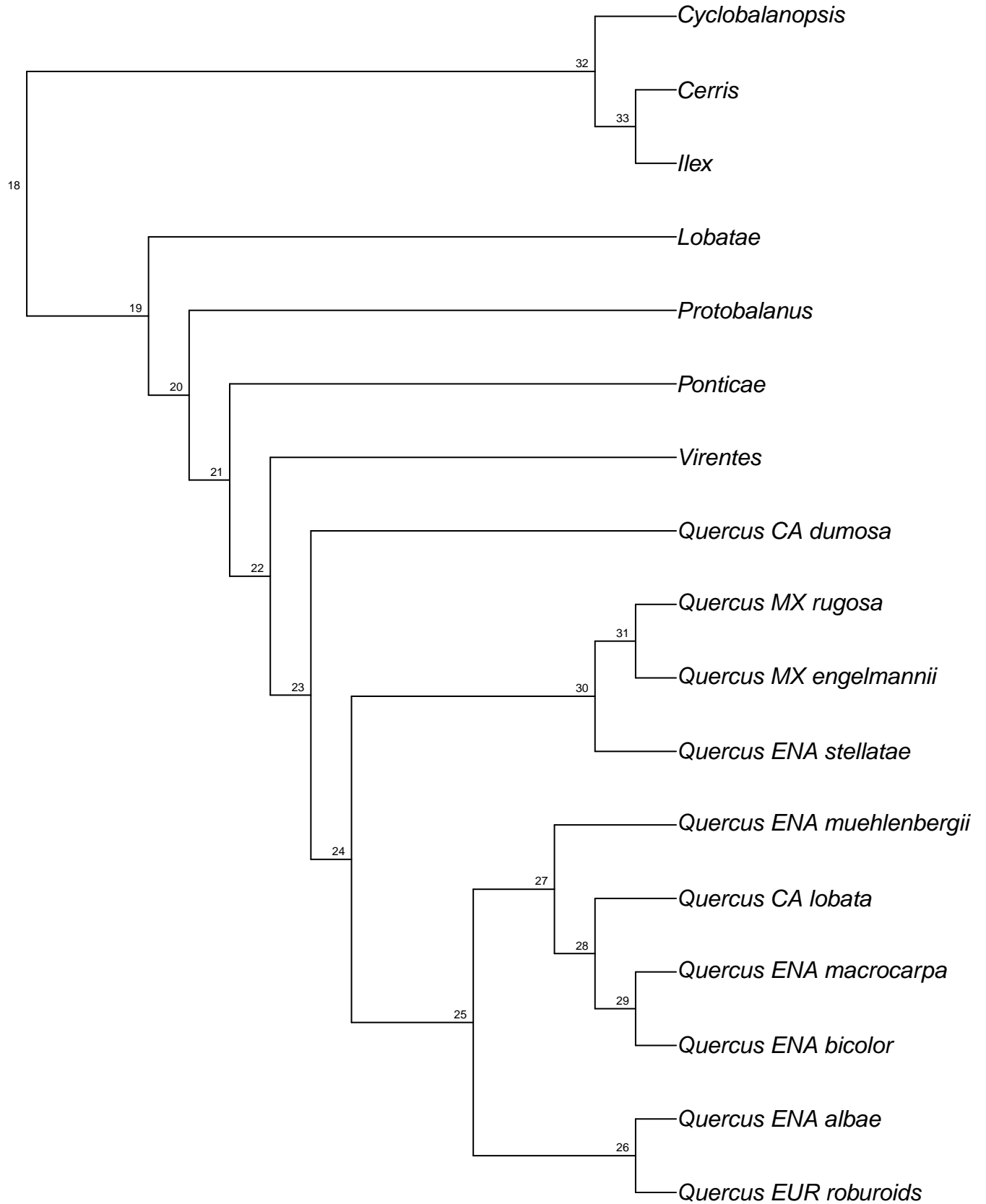


# reSeq.reseq\_Qvar.bt045

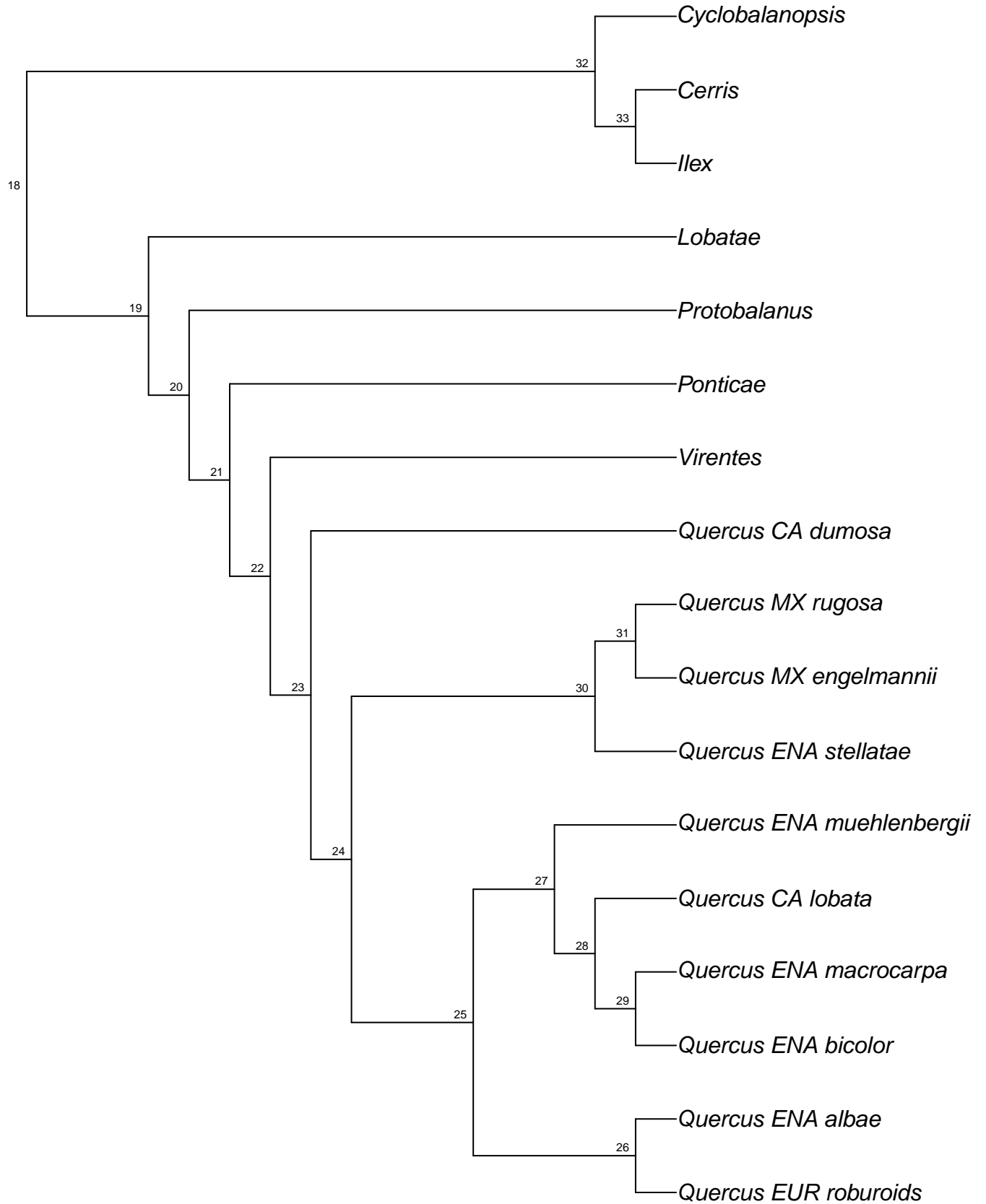




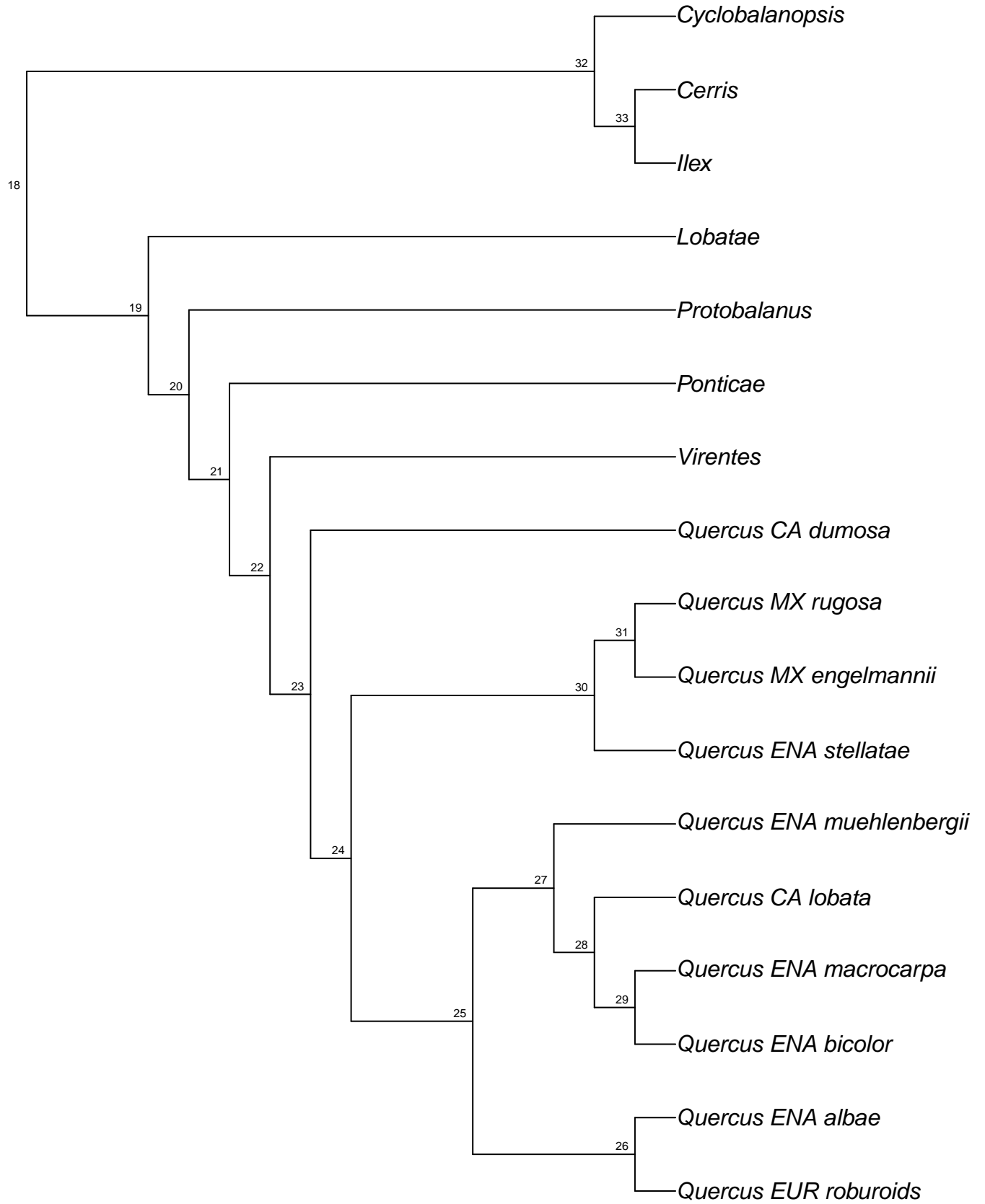
# reSeq.reseq\_Qvar.bt046



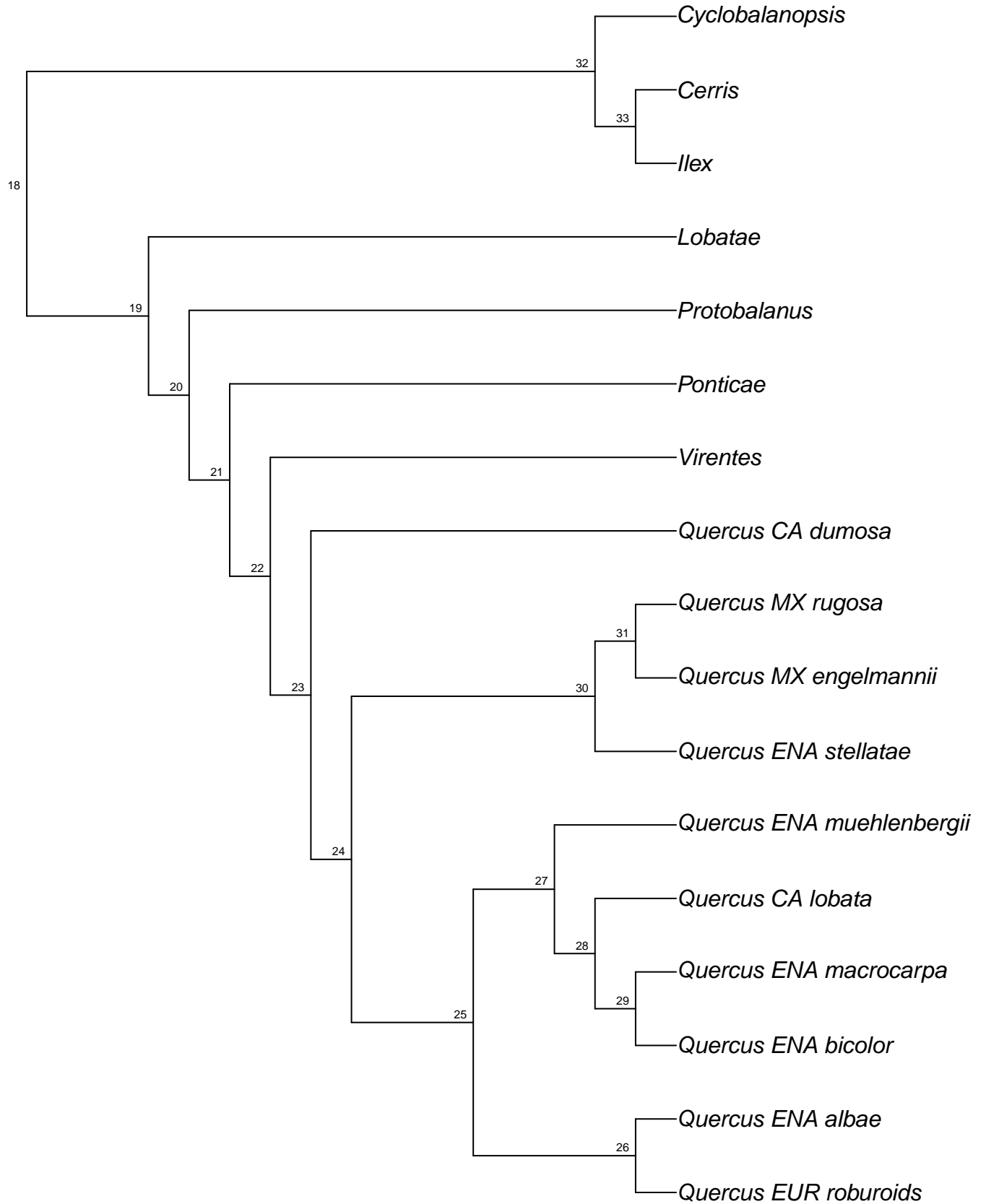
# reSeq.reseq\_Qvar.bt047



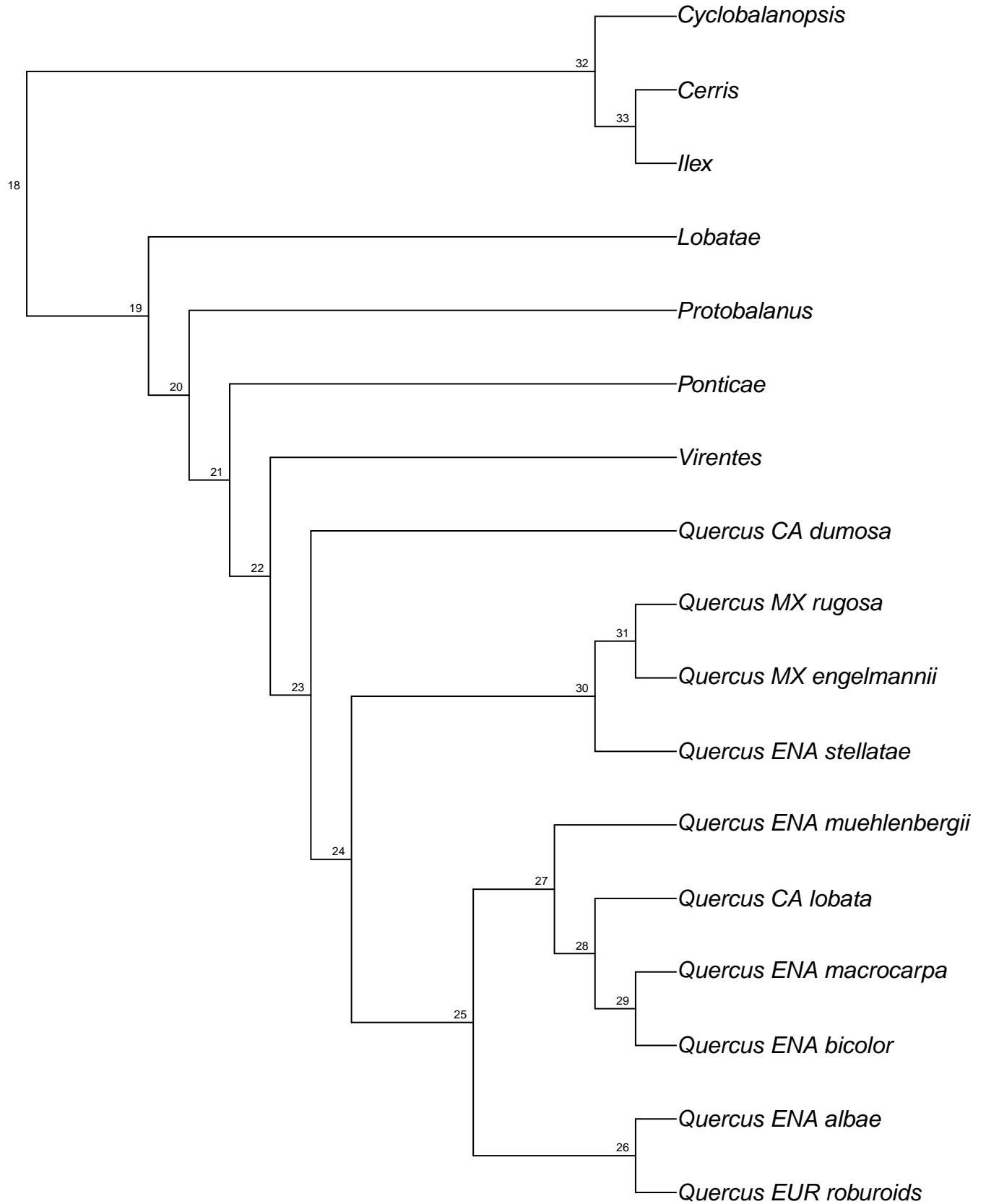
# reSeq.reseq\_Qvar.bt048



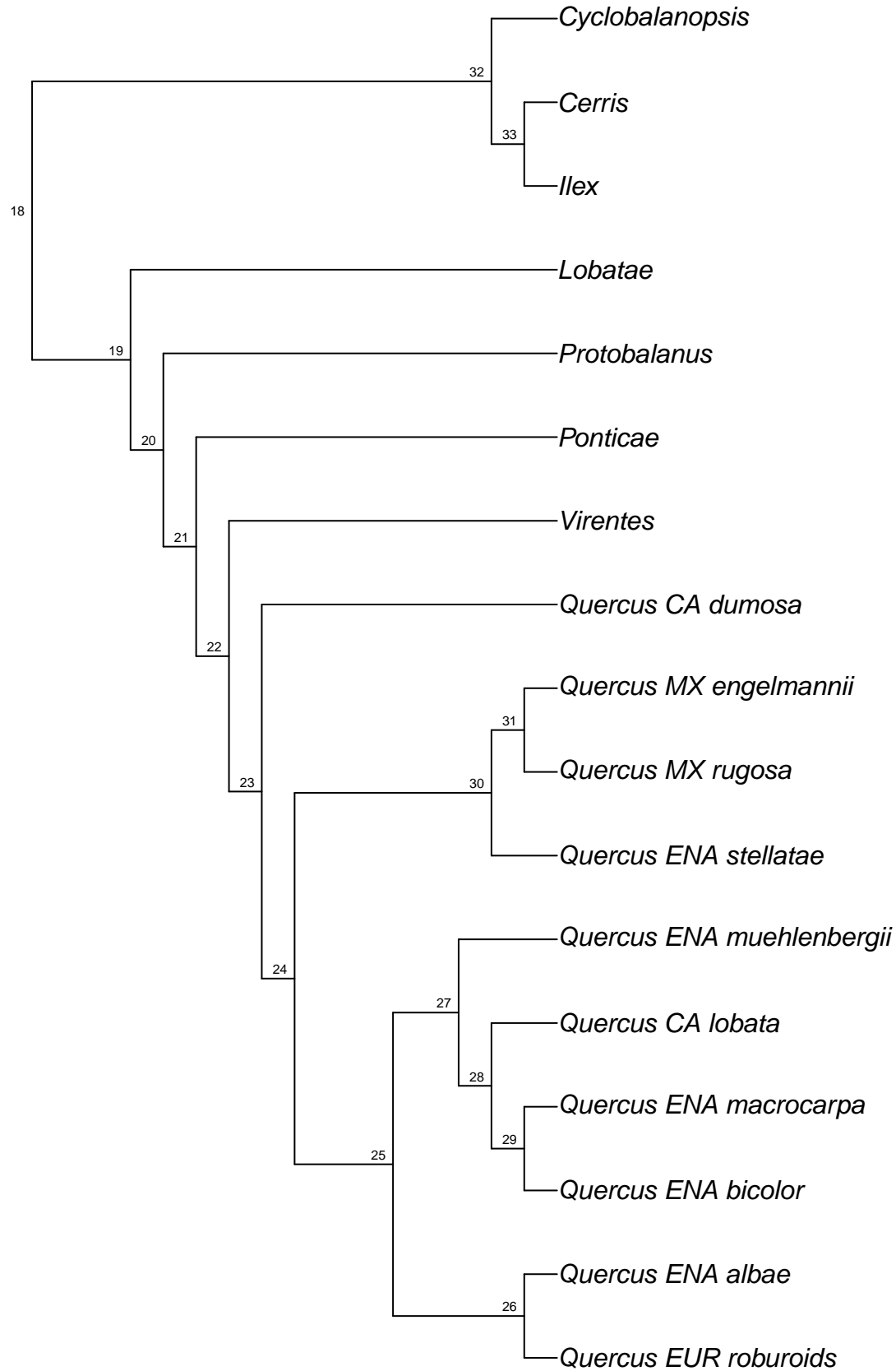
# reSeq.reseq\_Qvar.bt049



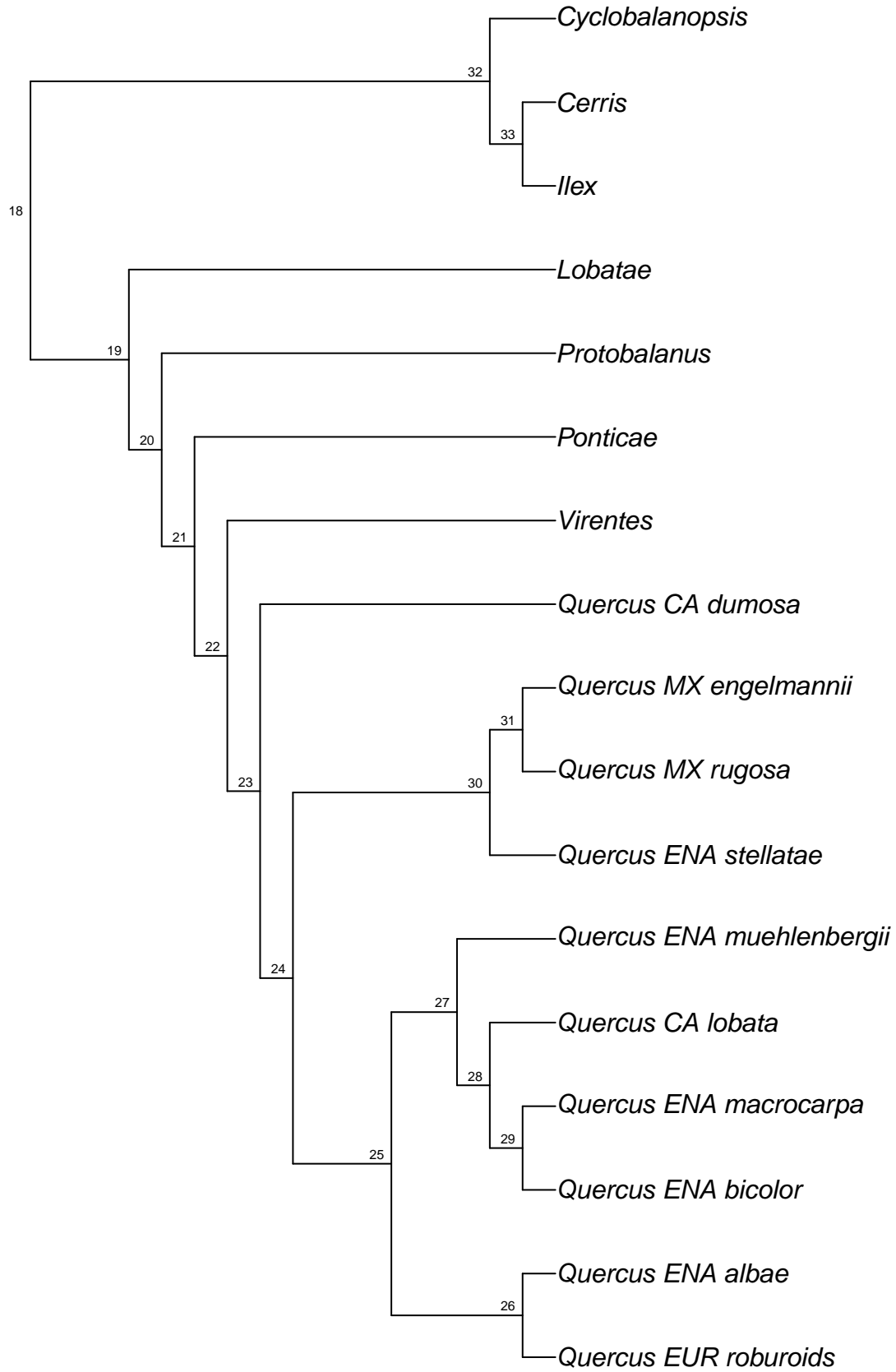
# reSeq.reseq\_Qvar.bt050



# reSeq.reseq\_Qvar.bt051



# reSeq.reseq\_Qvar.bt052

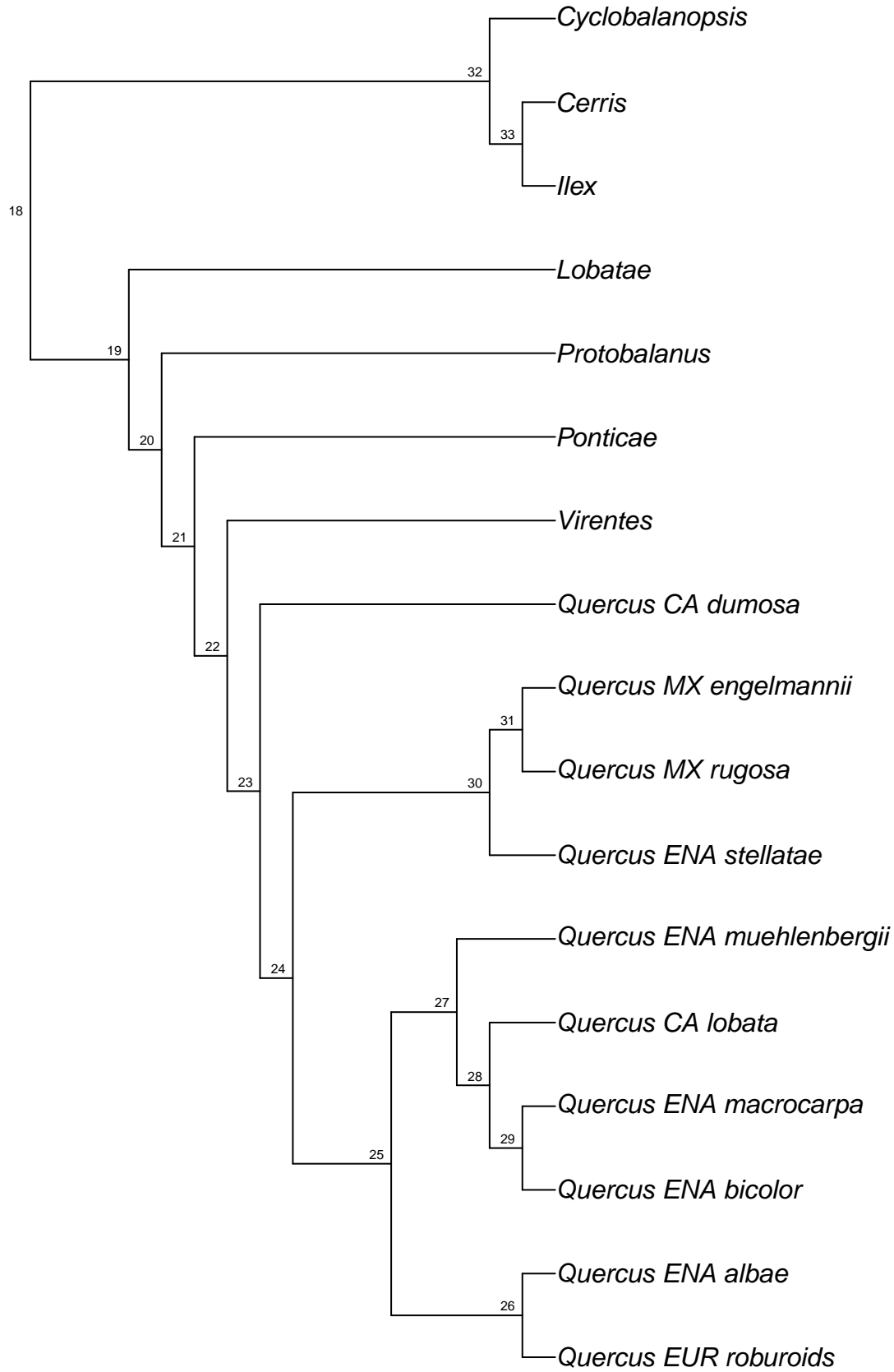


# reSeq.reseq\_Qvar.bt053

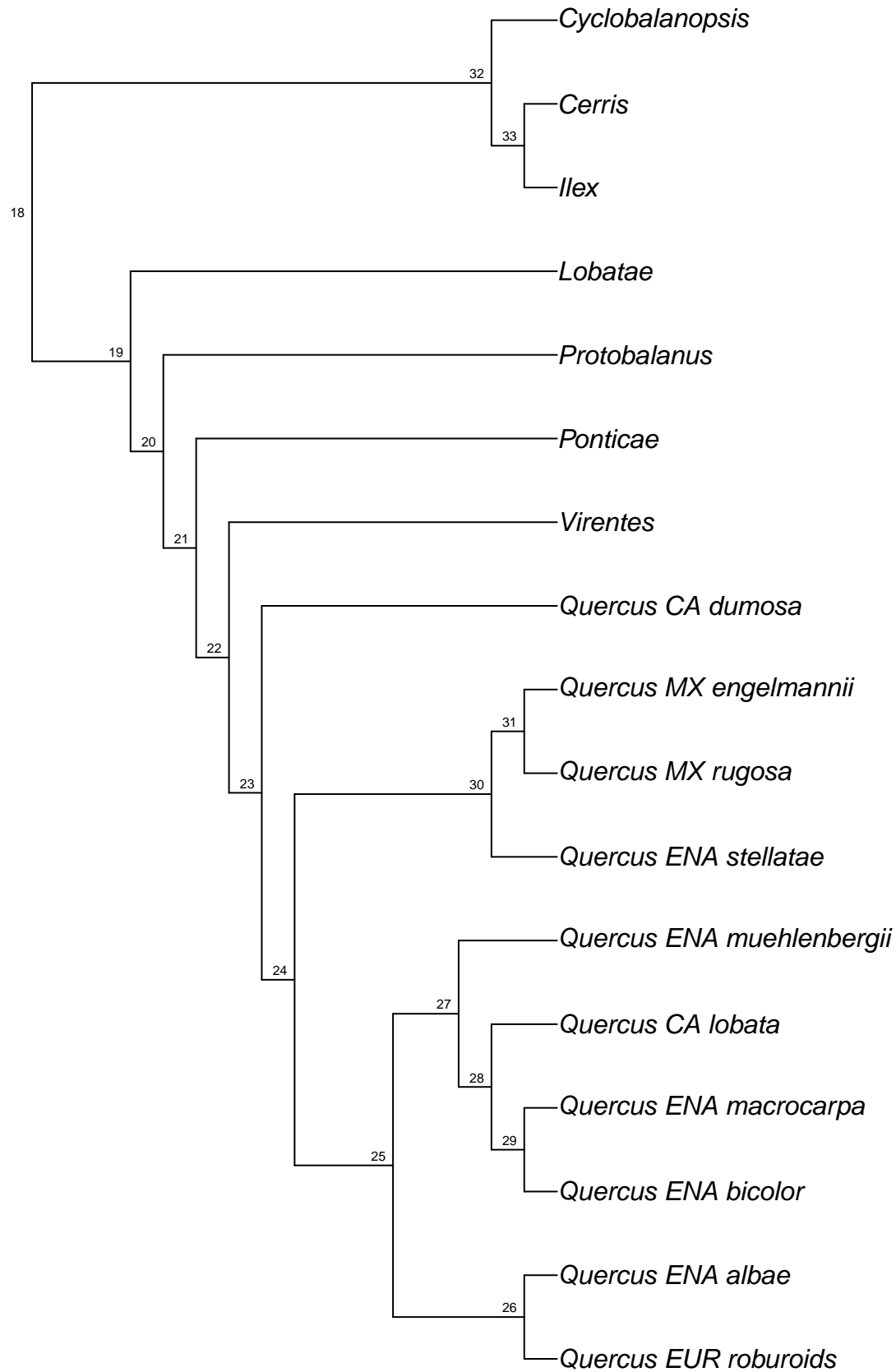




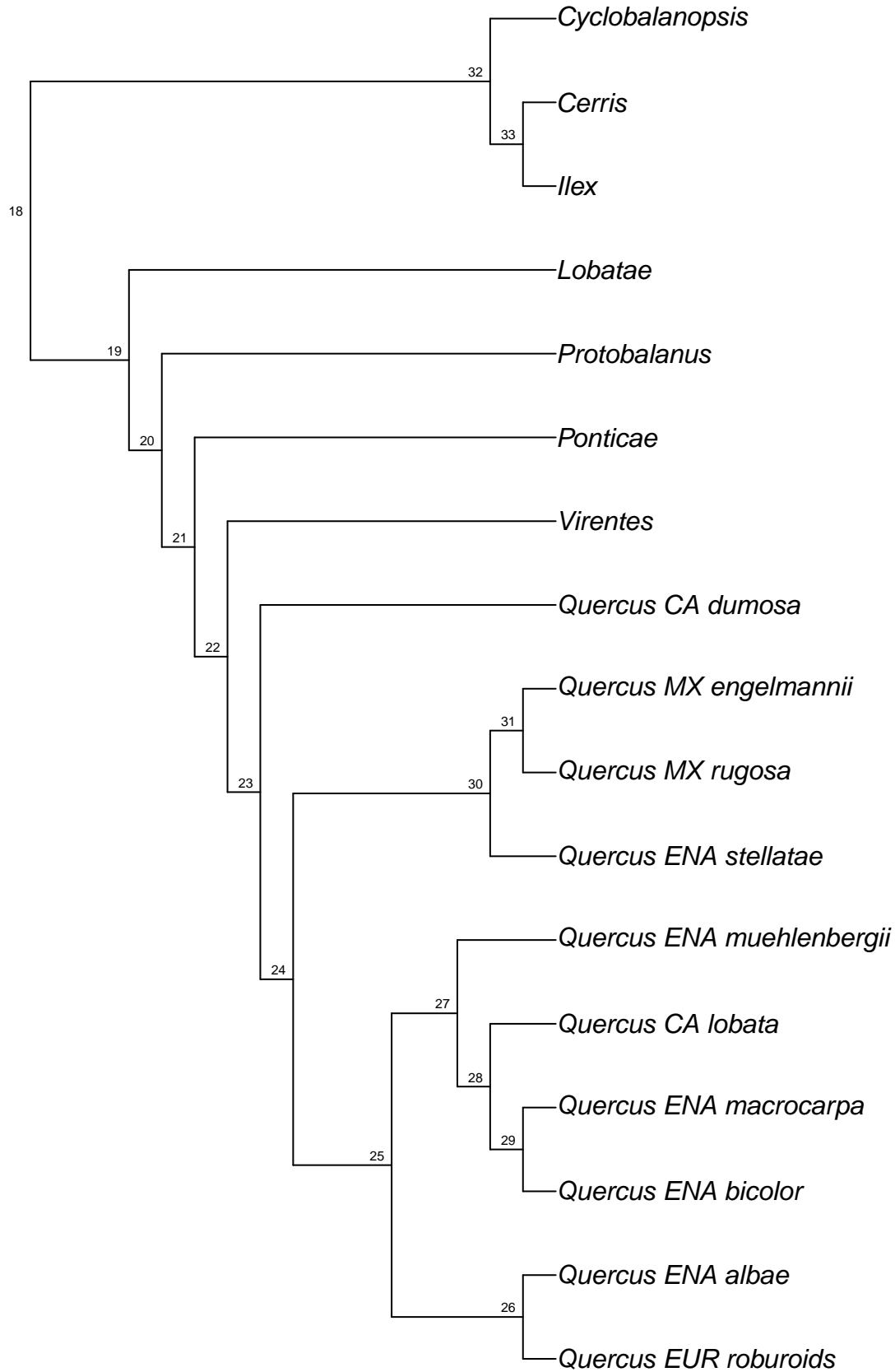
# reSeq.reseq\_Qvar.bt054



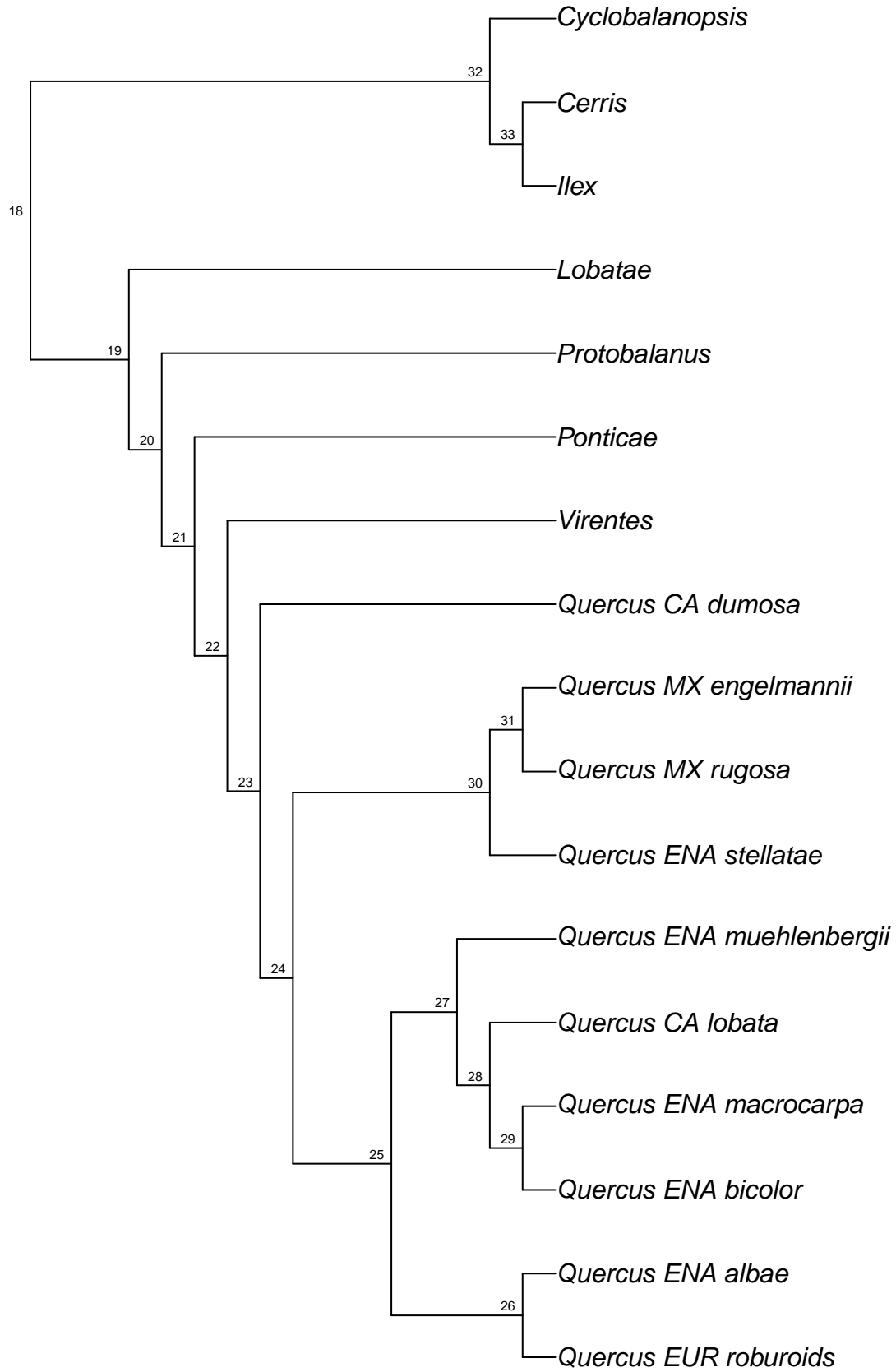
# reSeq.reseq\_Qvar.bt055



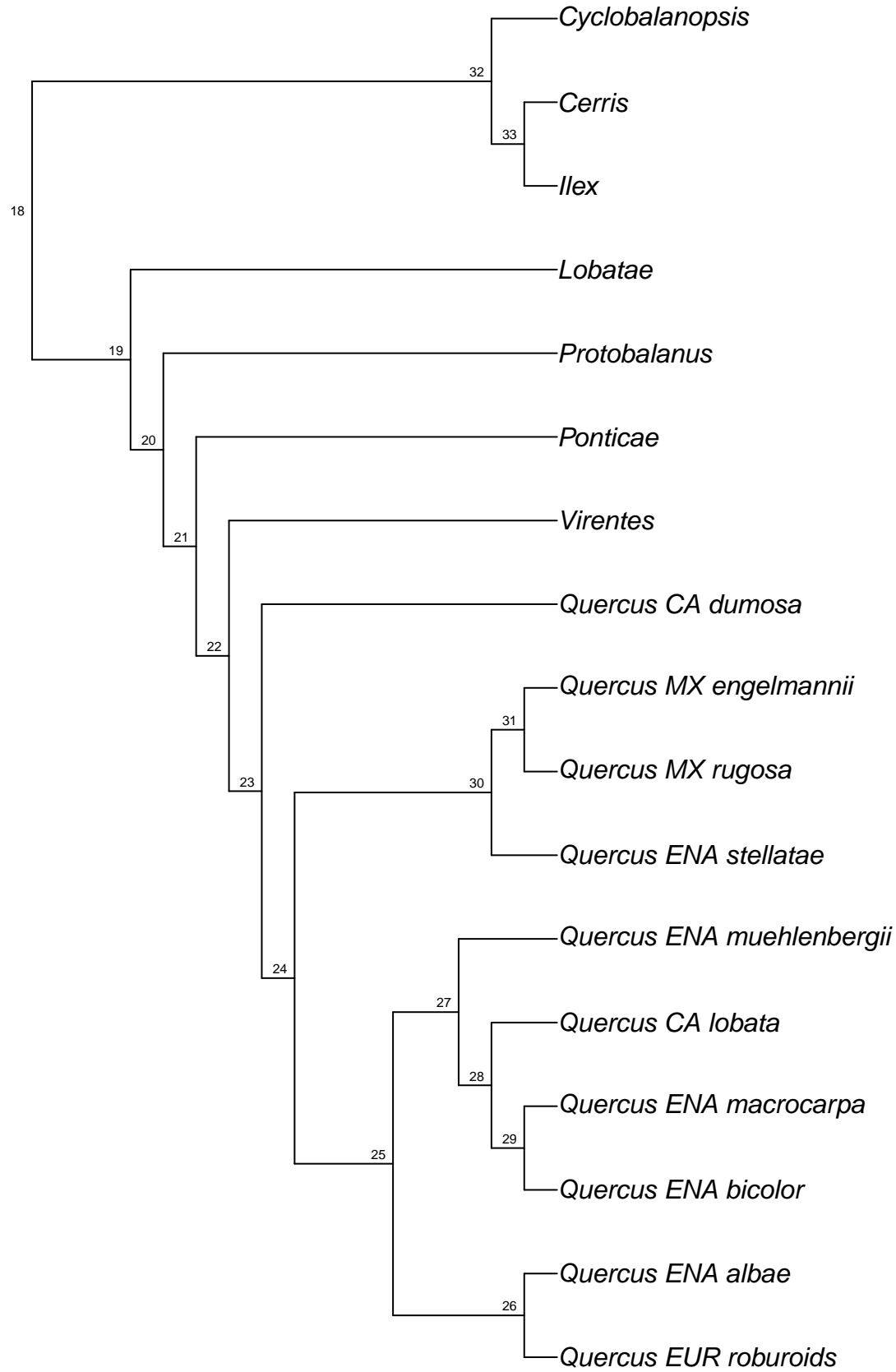
# reSeq.reseq\_Qvar.bt056



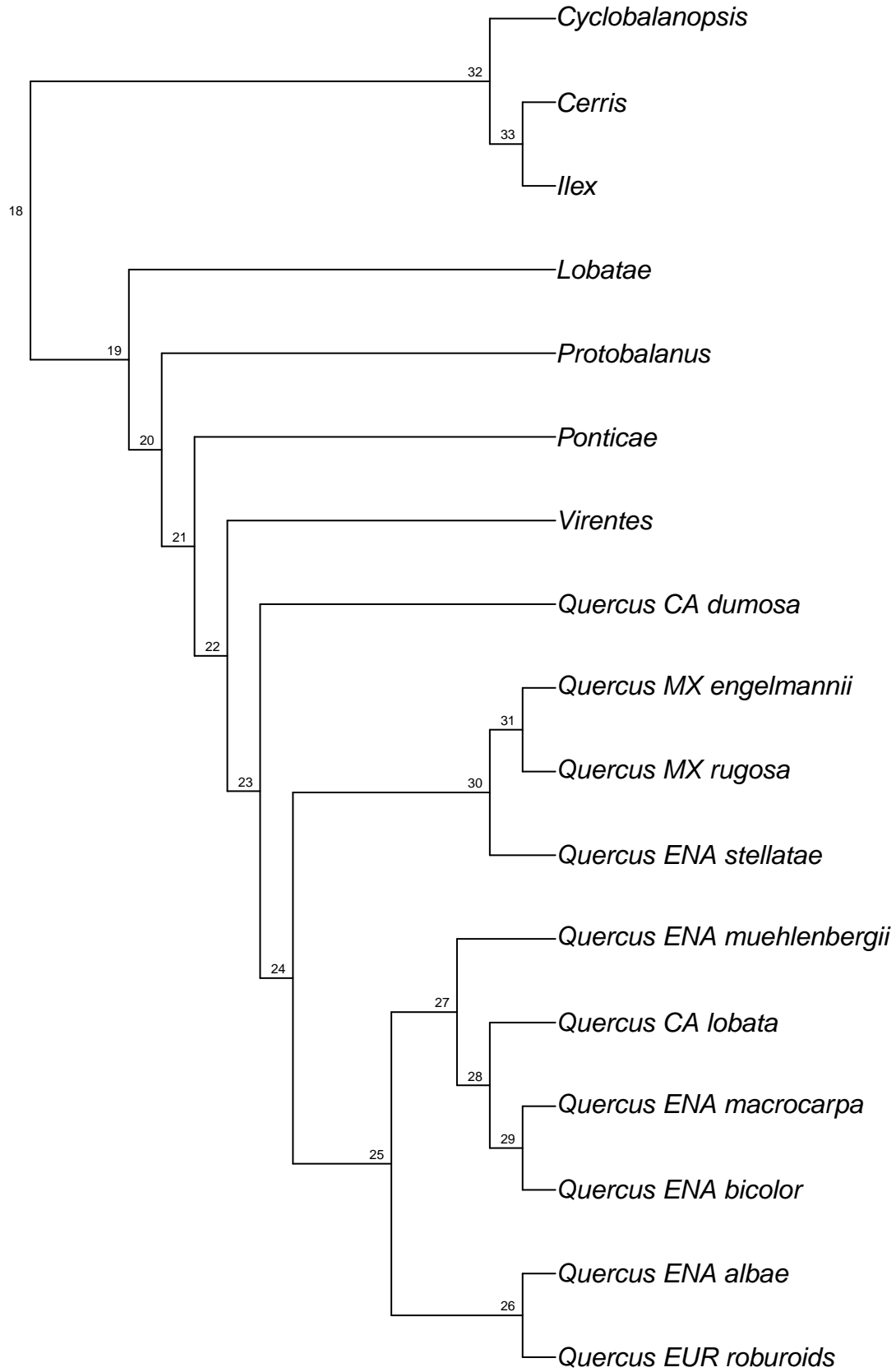
# reSeq.reseq\_Qvar.bt057



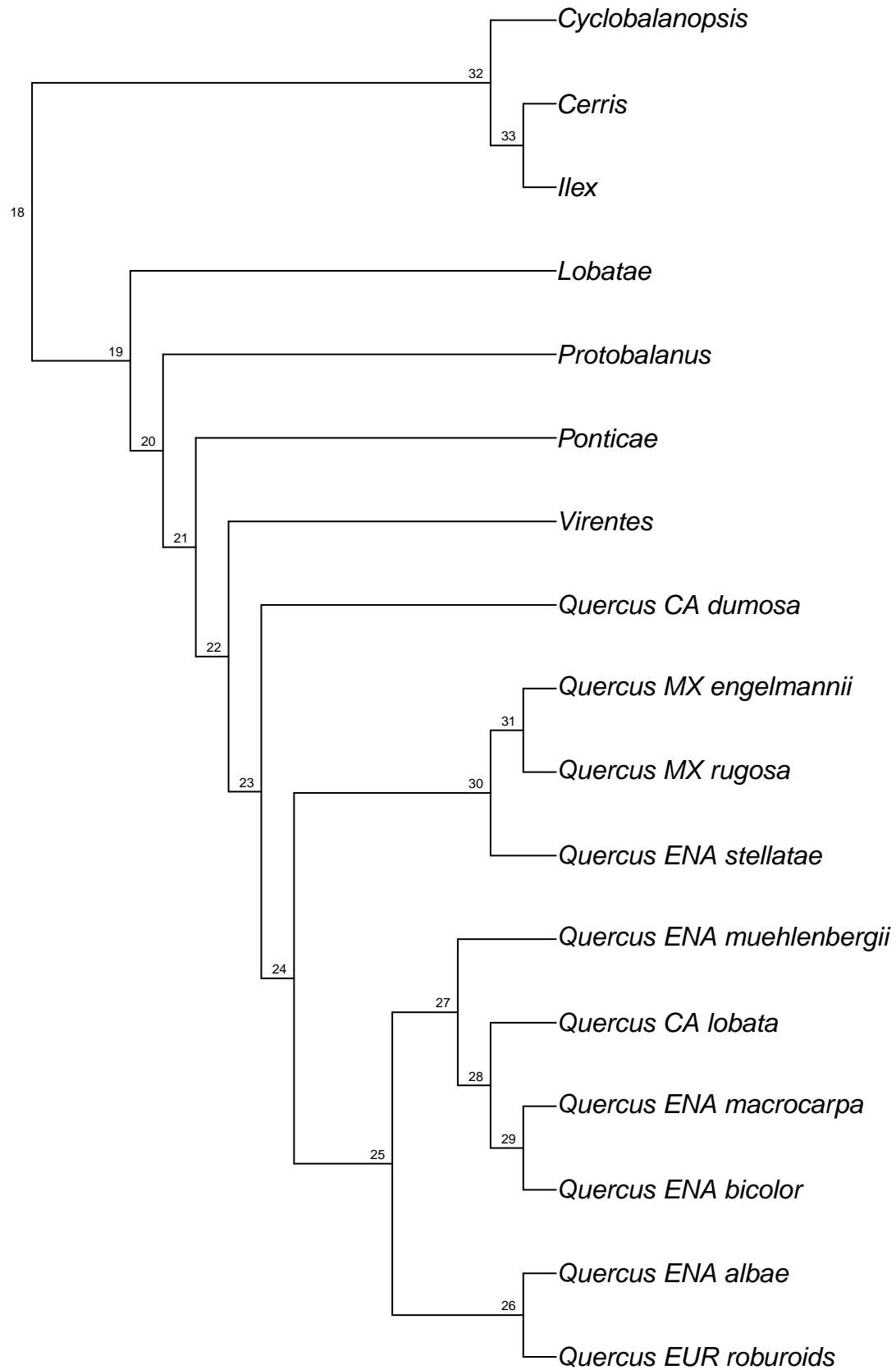
# reSeq.reseq\_Qvar.bt058



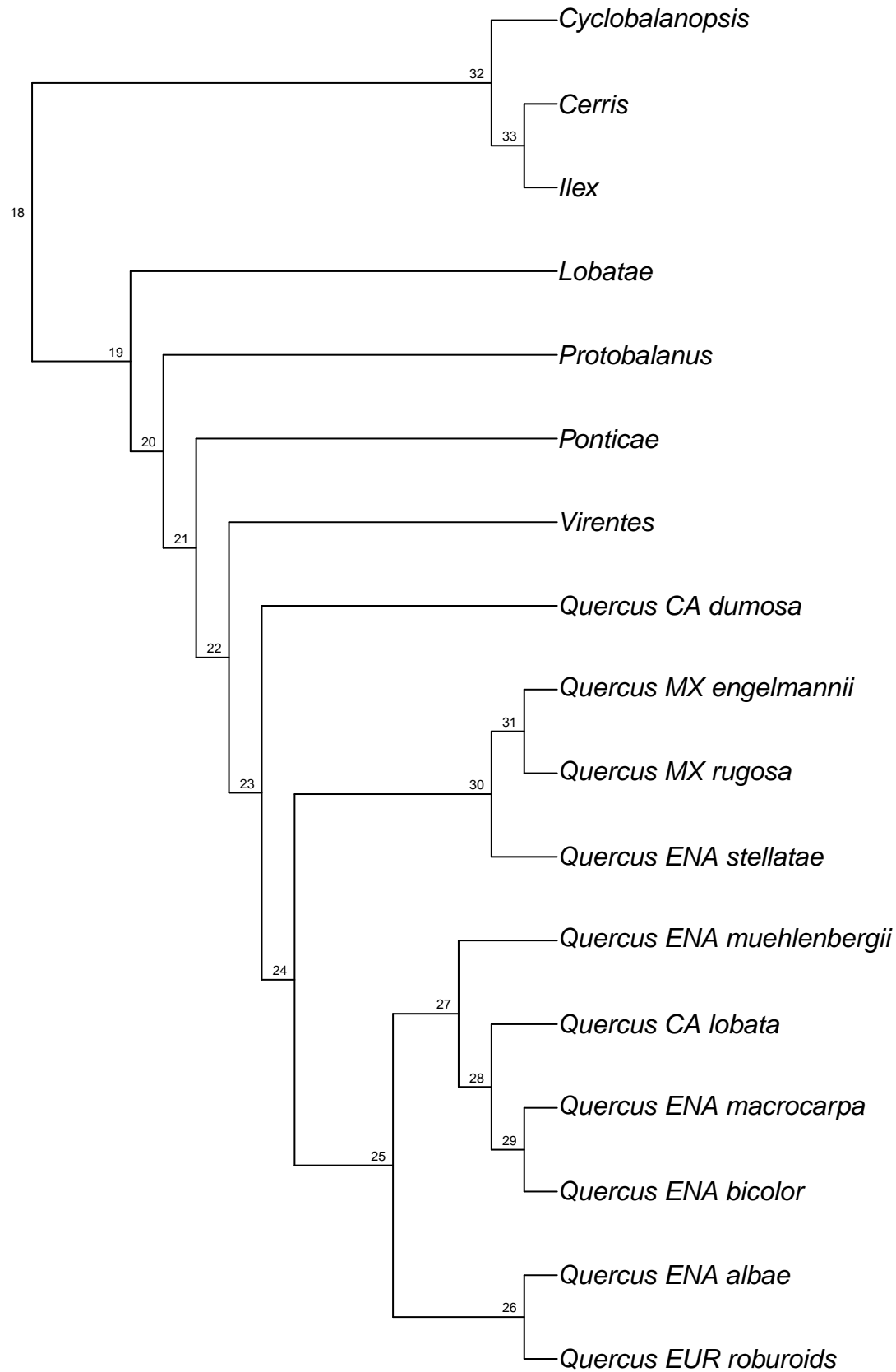
# reSeq.reseq\_Qvar.bt059



# reSeq.reseq\_Qvar.bt060

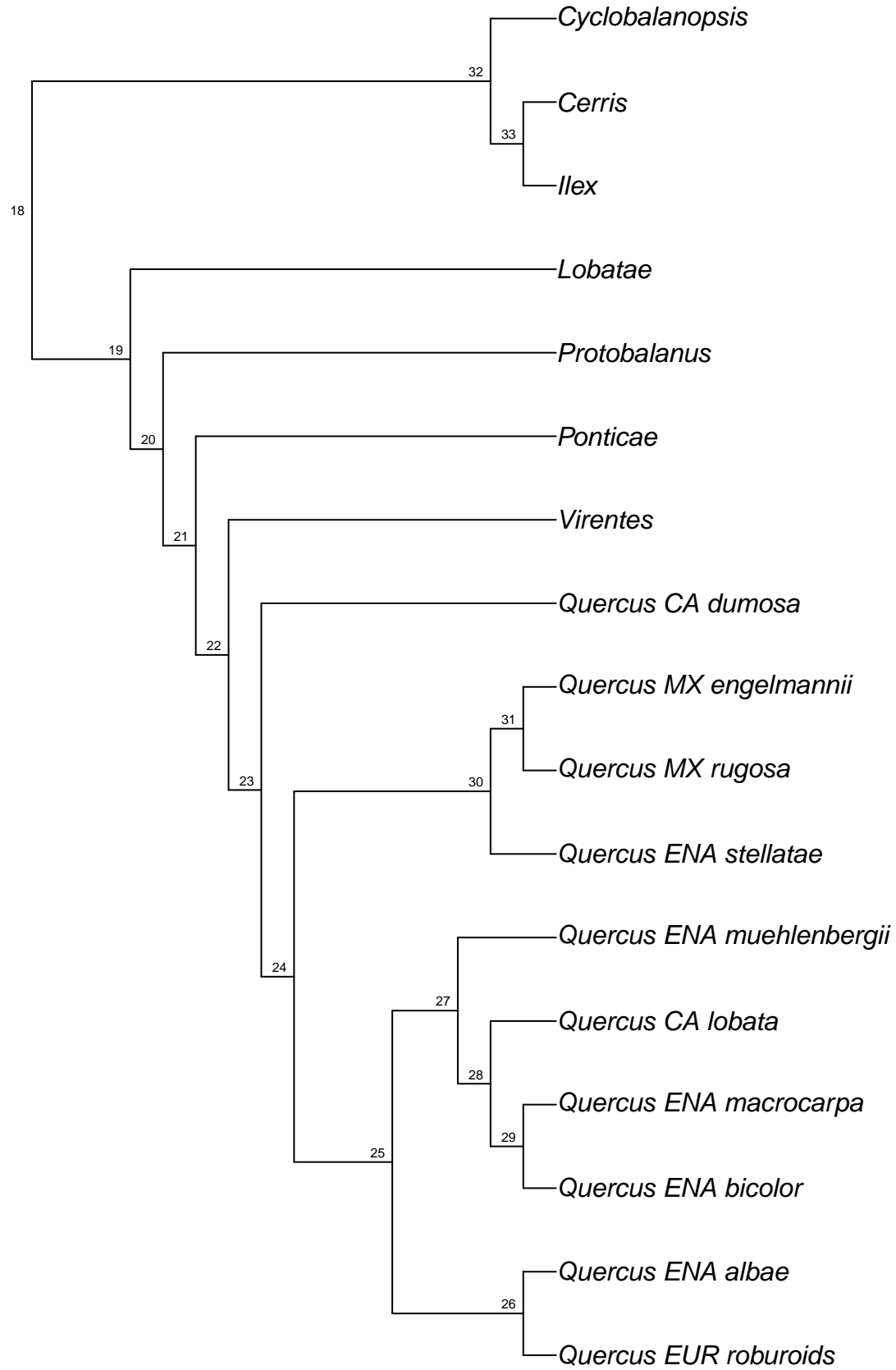


# reSeq.reseq\_Qvar.bt061

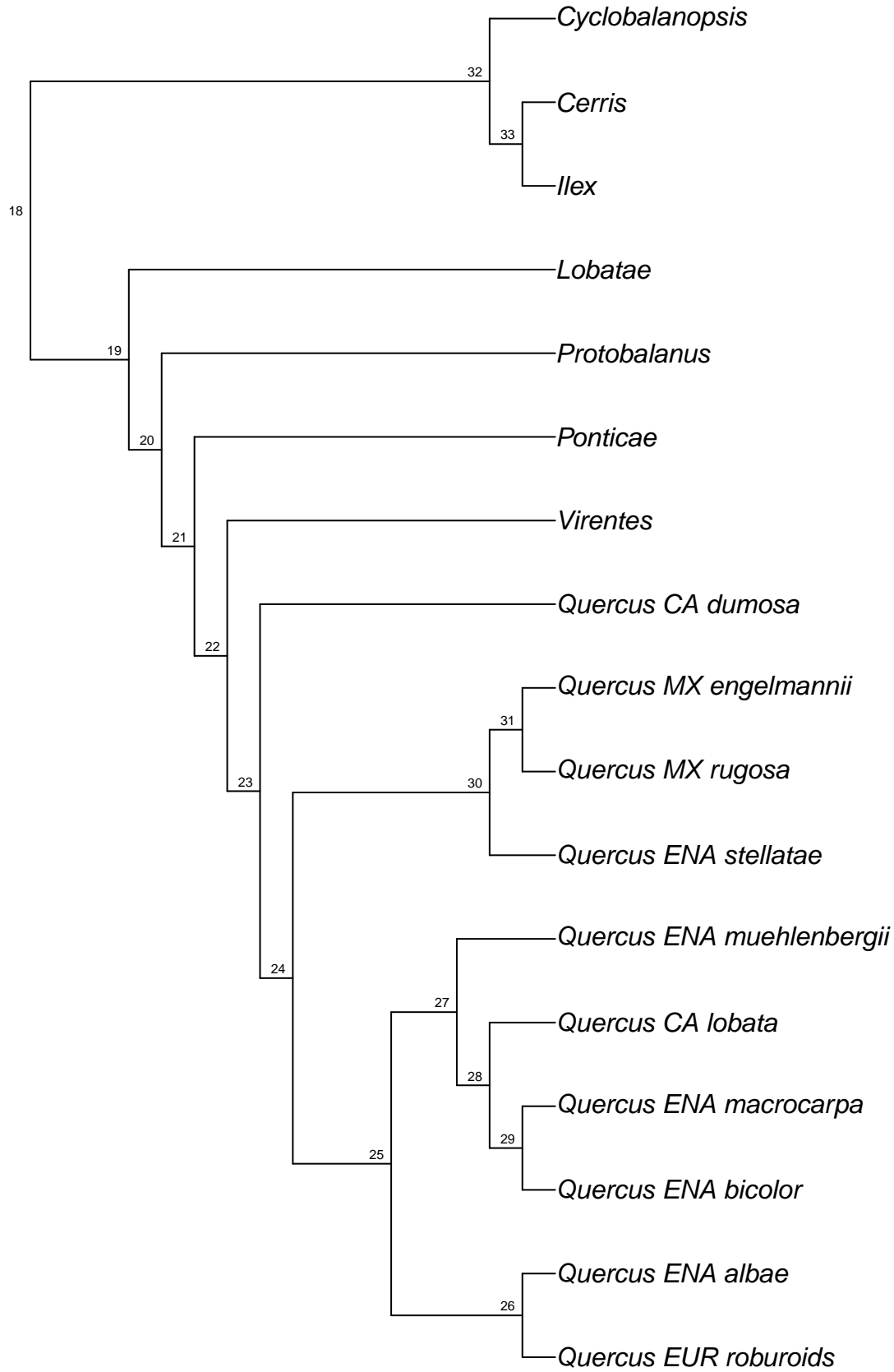




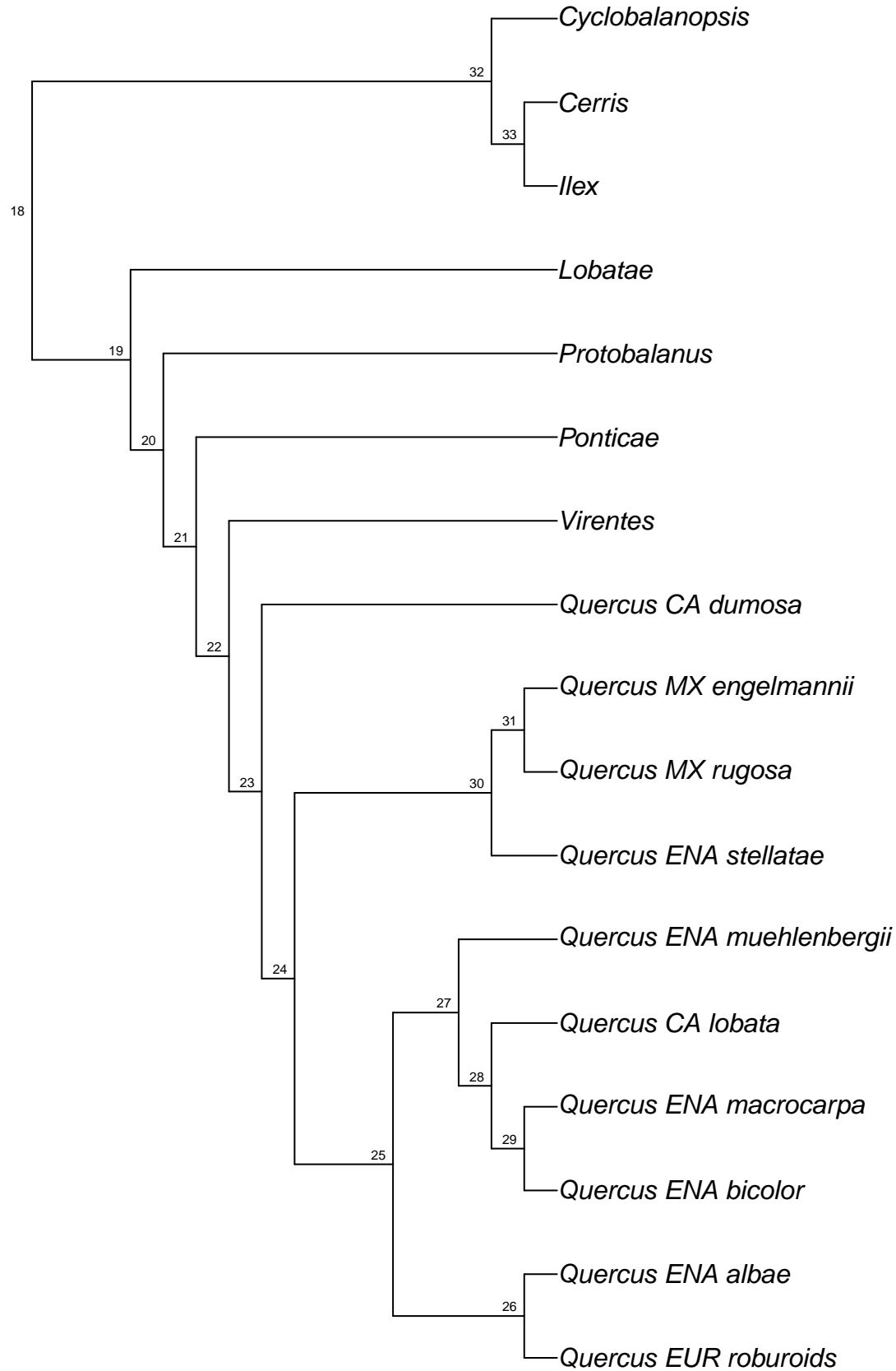
# reSeq.reseq\_Qvar.bt062



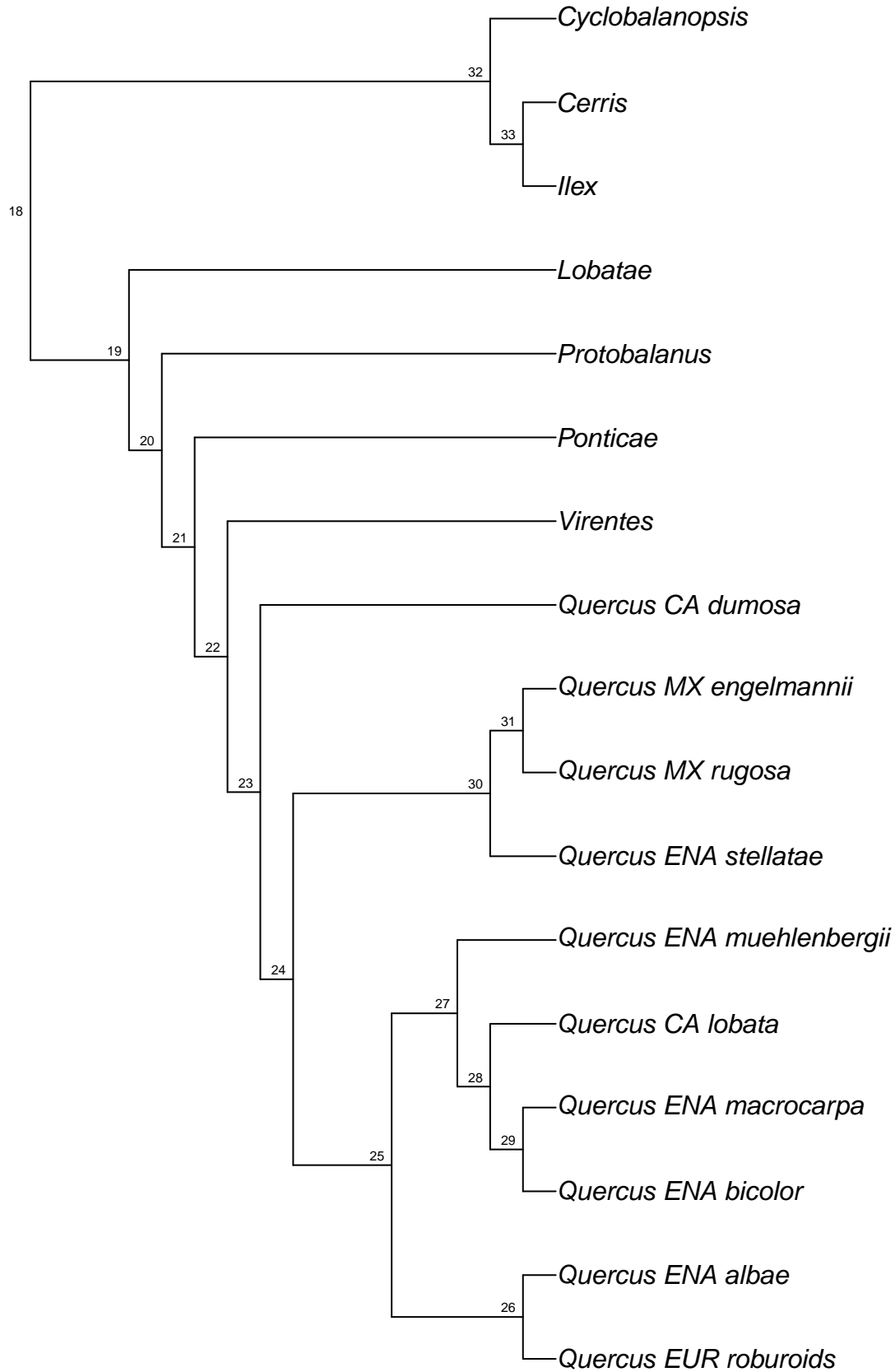
# reSeq.reseq\_Qvar.bt063



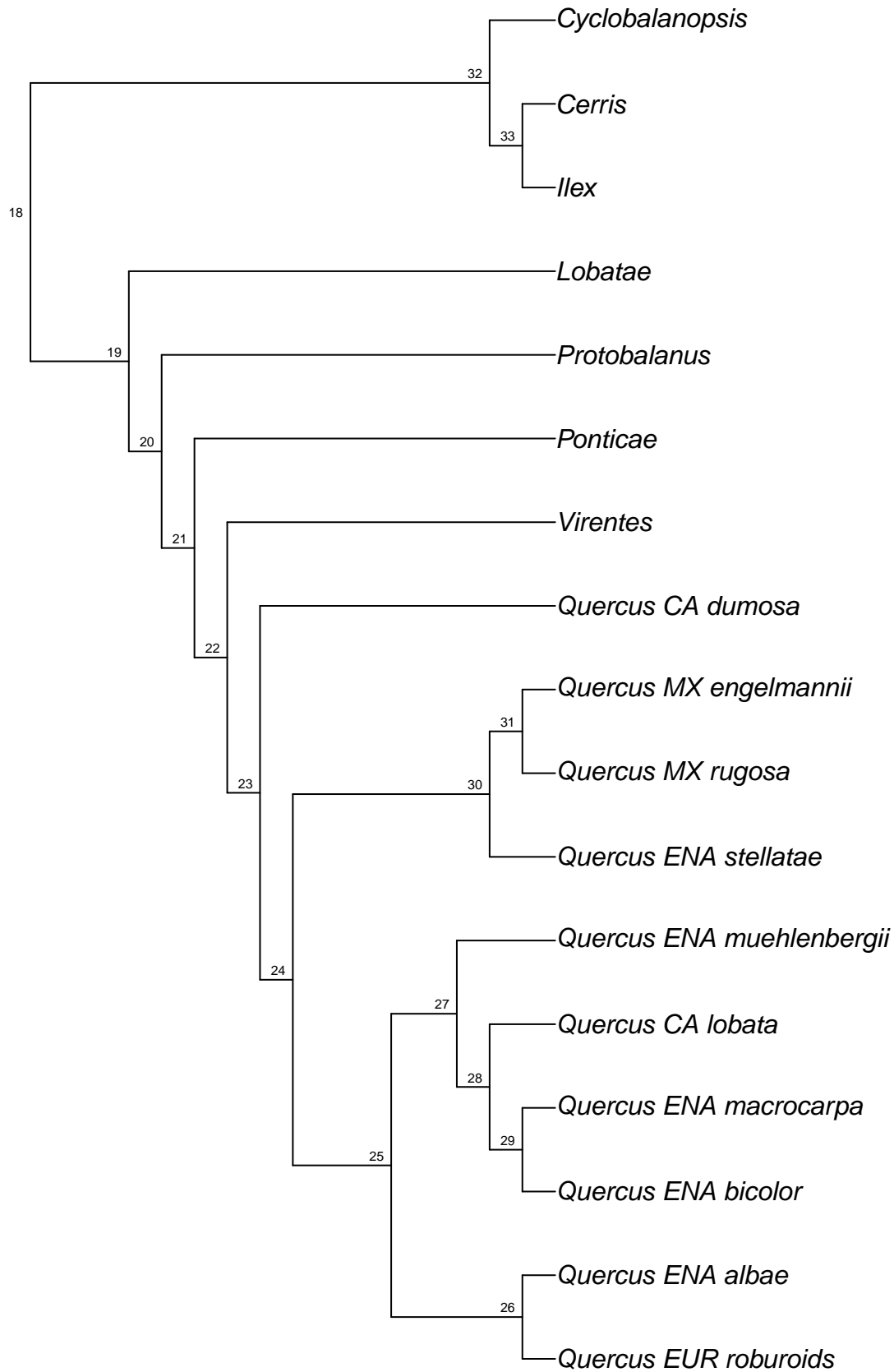
# reSeq.reseq\_Qvar.bt064



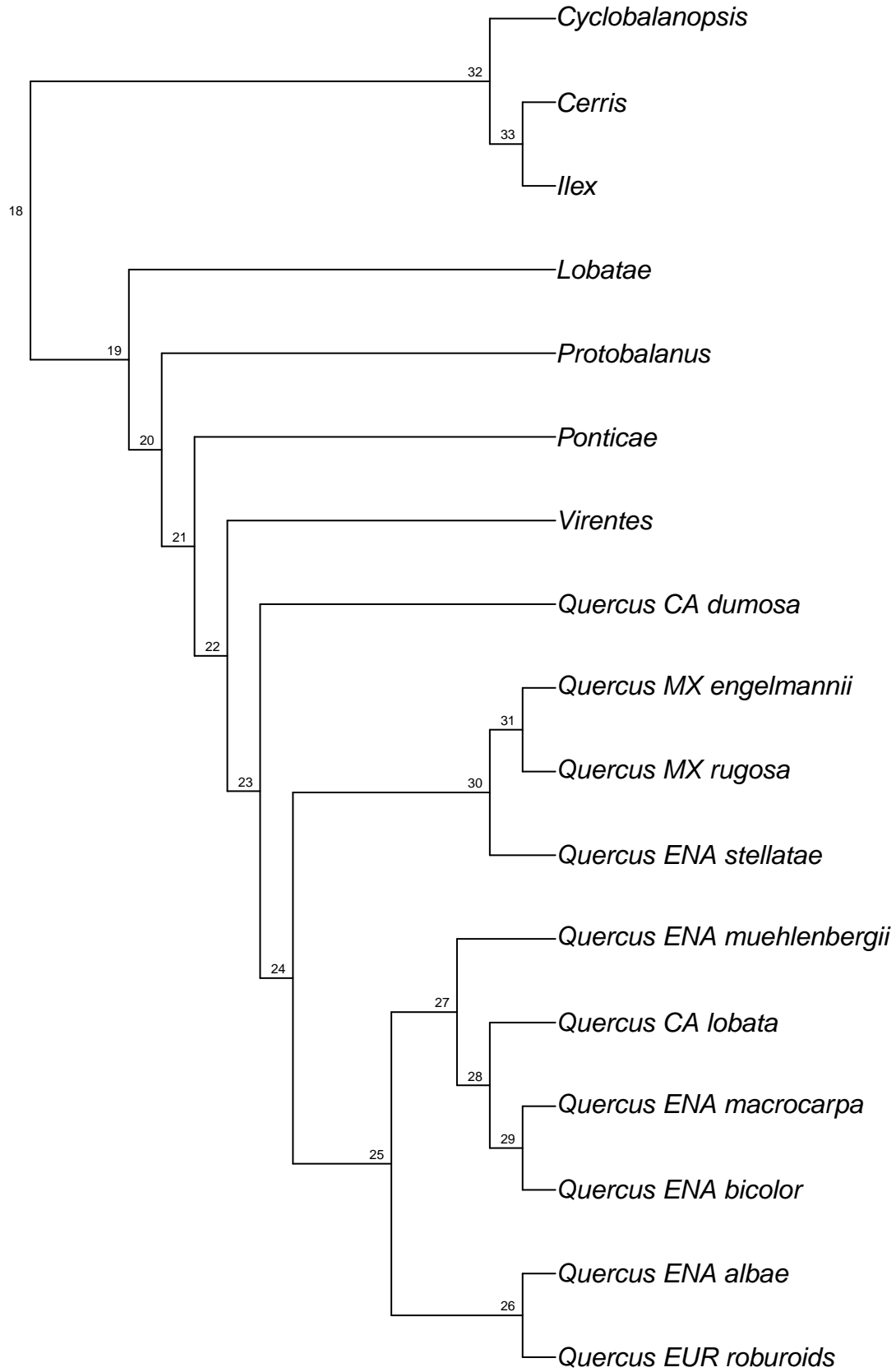
# reSeq.reseq\_Qvar.bt065



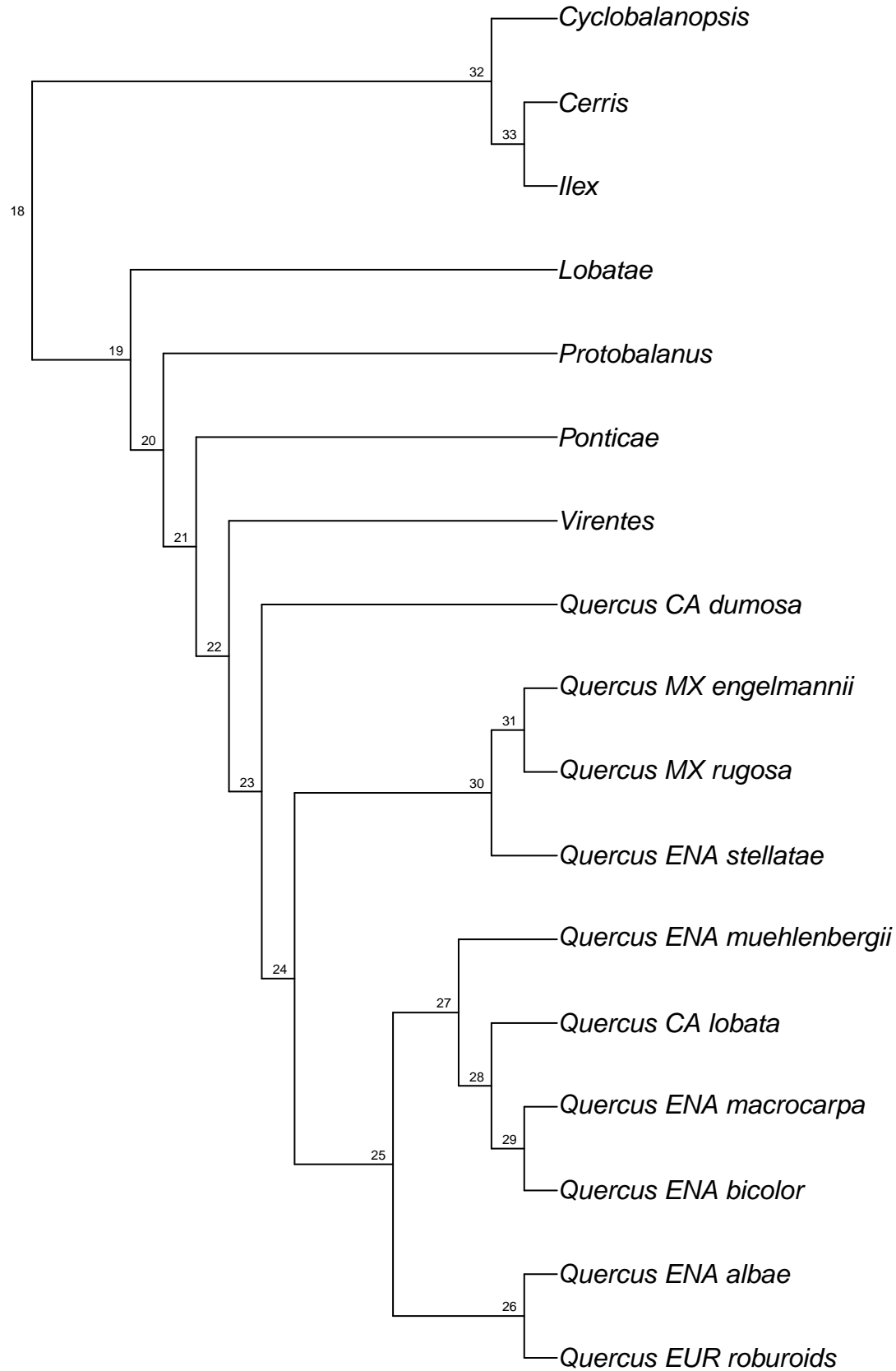
# reSeq.reseq\_Qvar.bt066



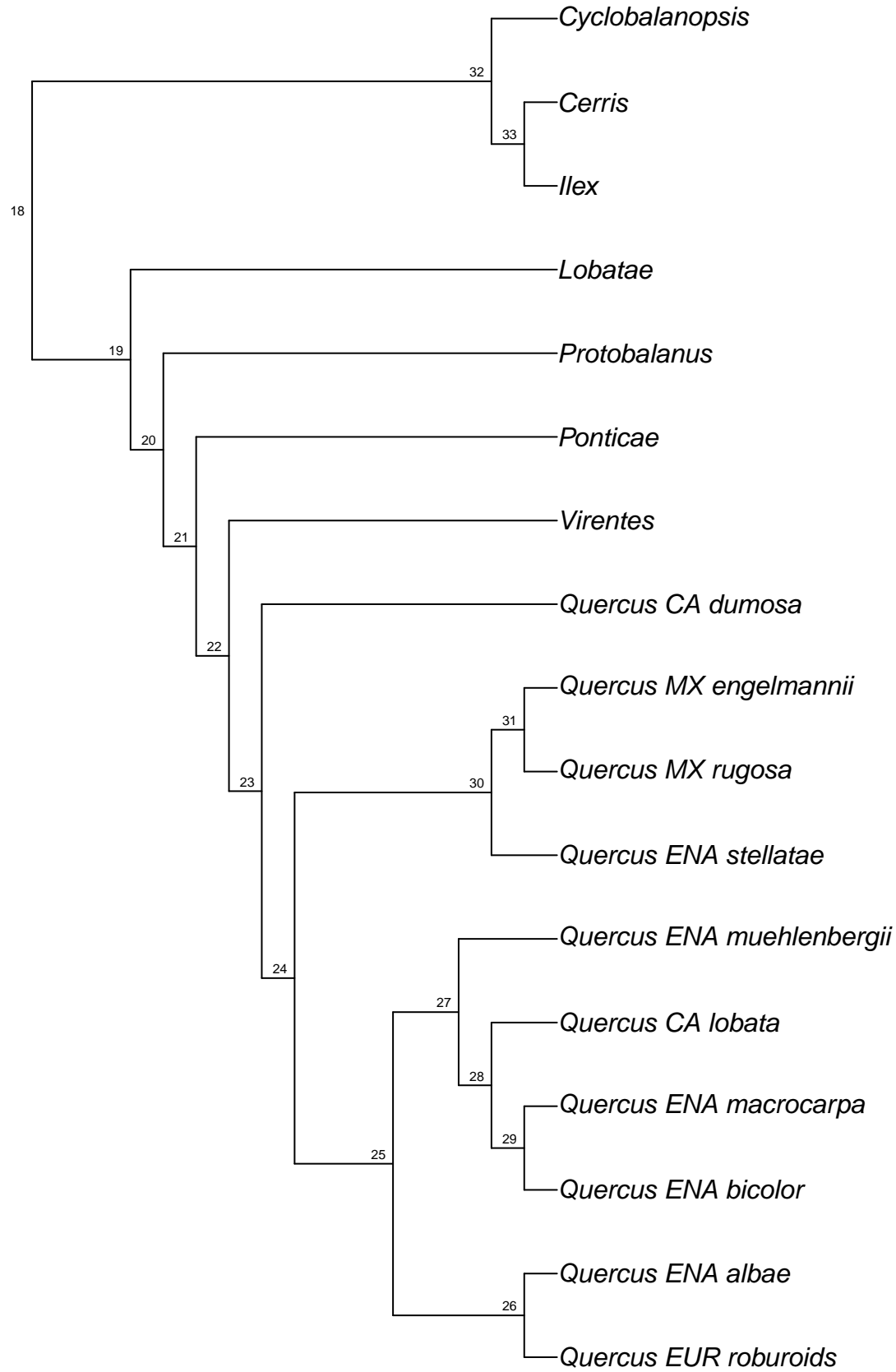
# reSeq.reseq\_Qvar.bt067



# reSeq.reseq\_Qvar.bt068

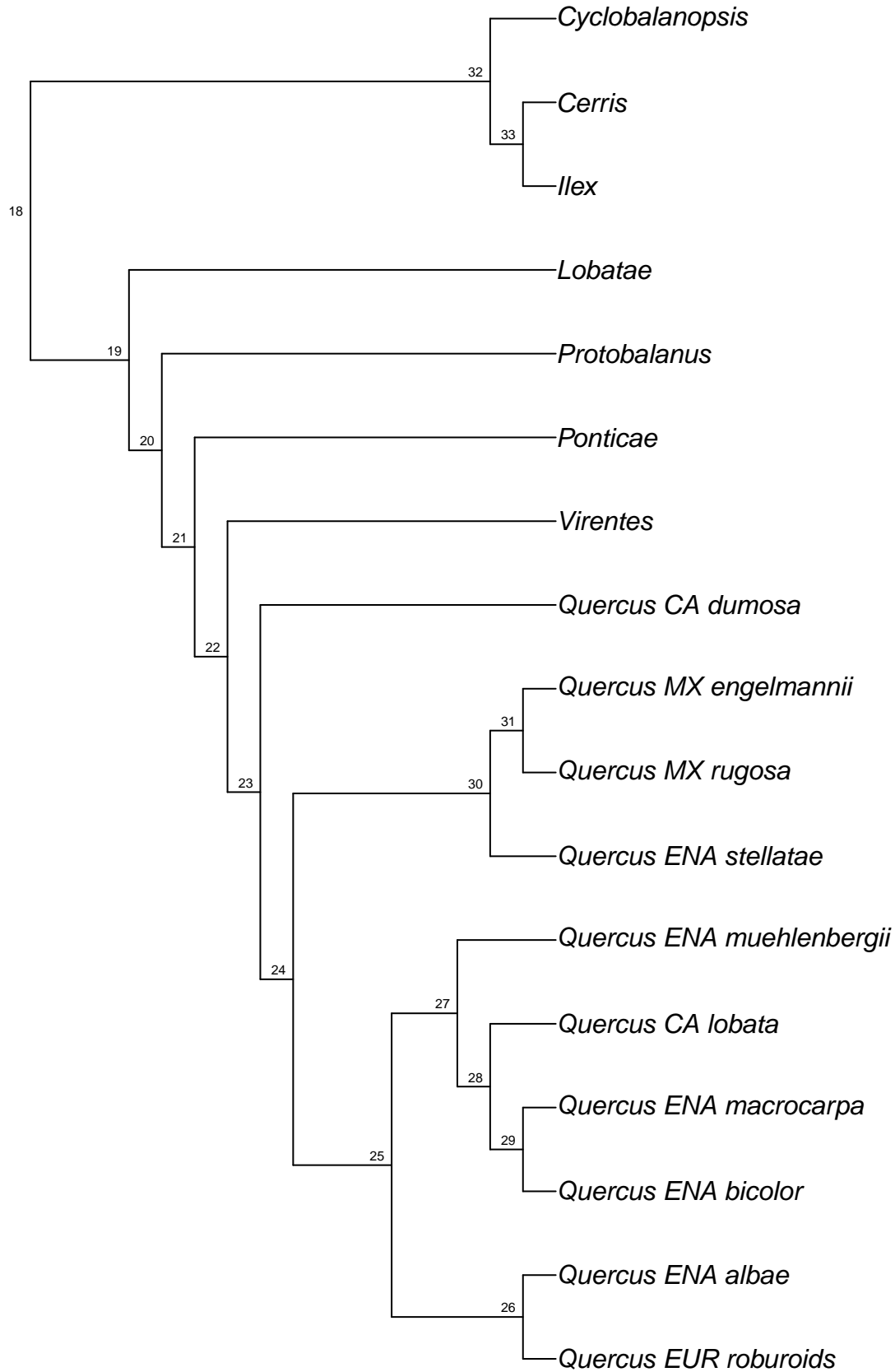


# reSeq.reseq\_Qvar.bt069

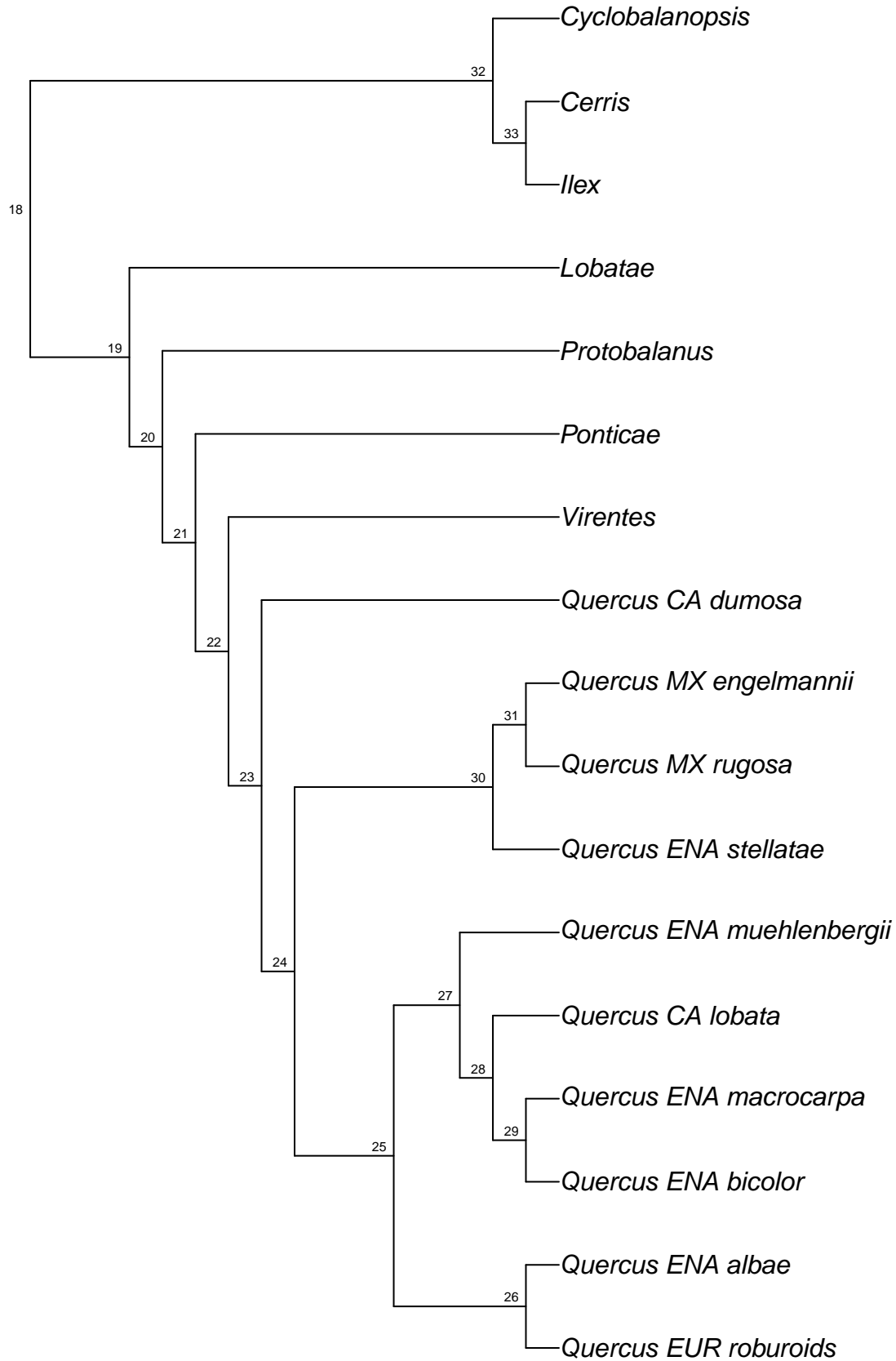




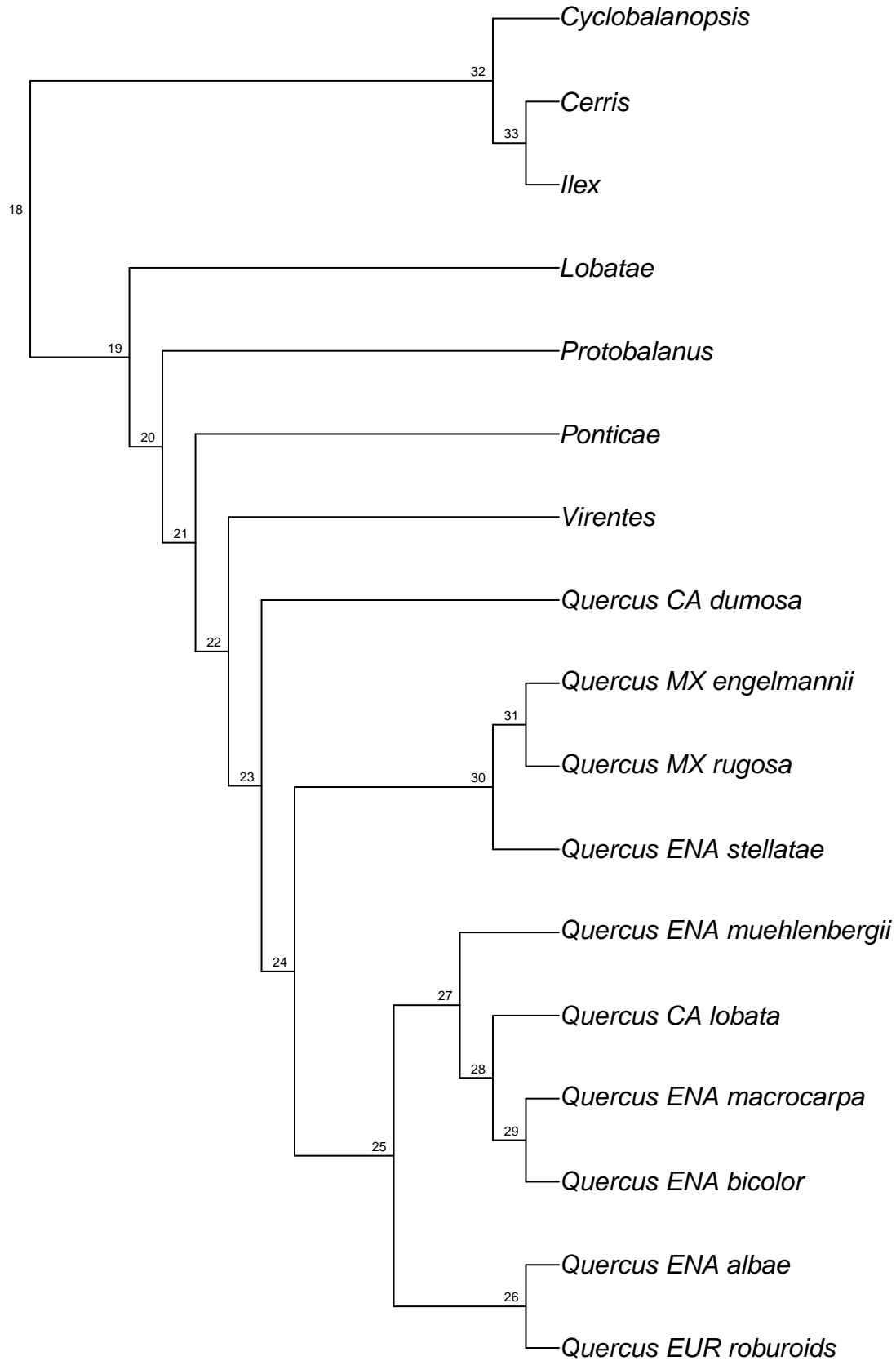
# reSeq.reseq\_Qvar.bt070



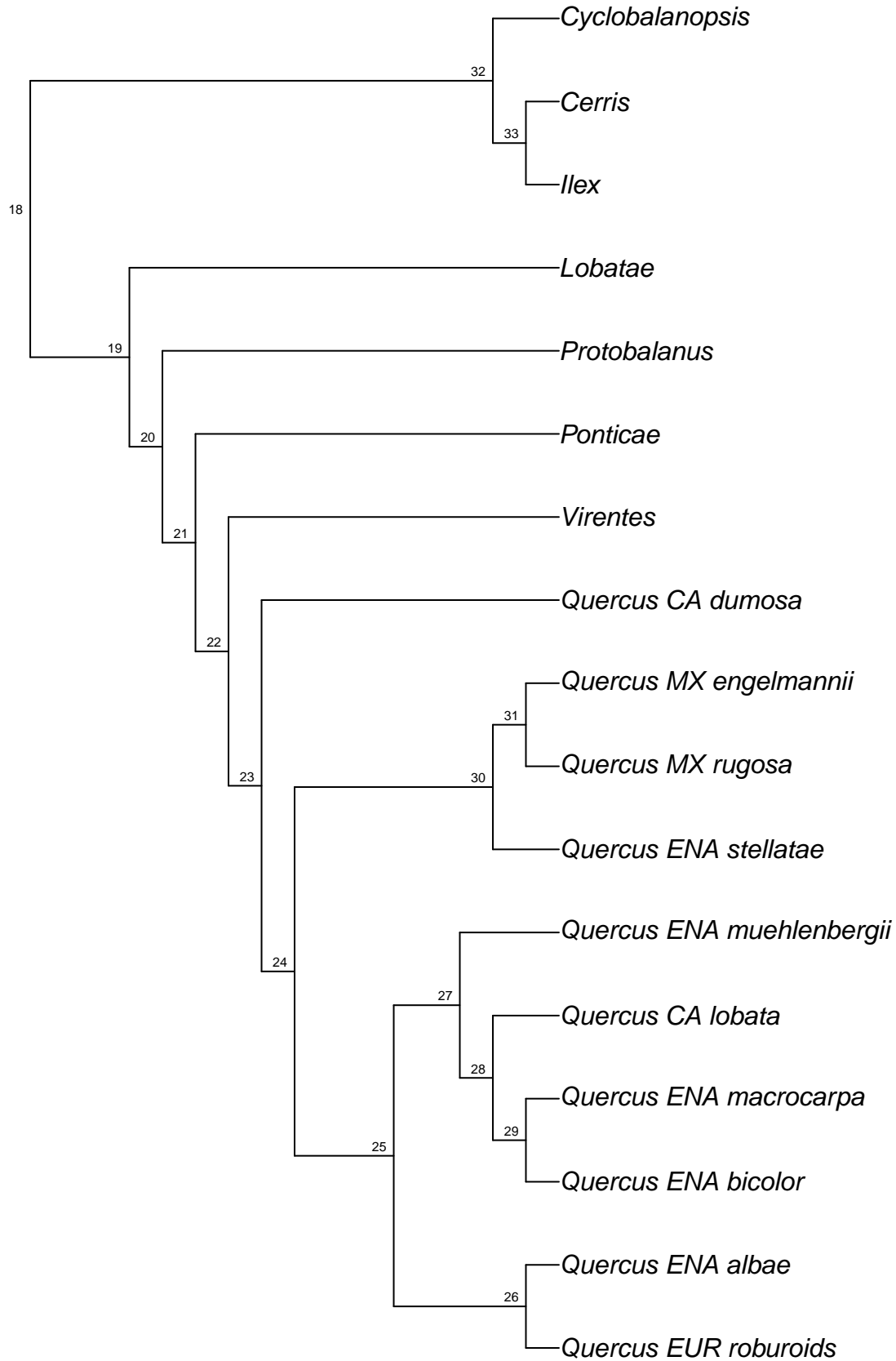
# reSeq.reseq\_Qvar.bt071



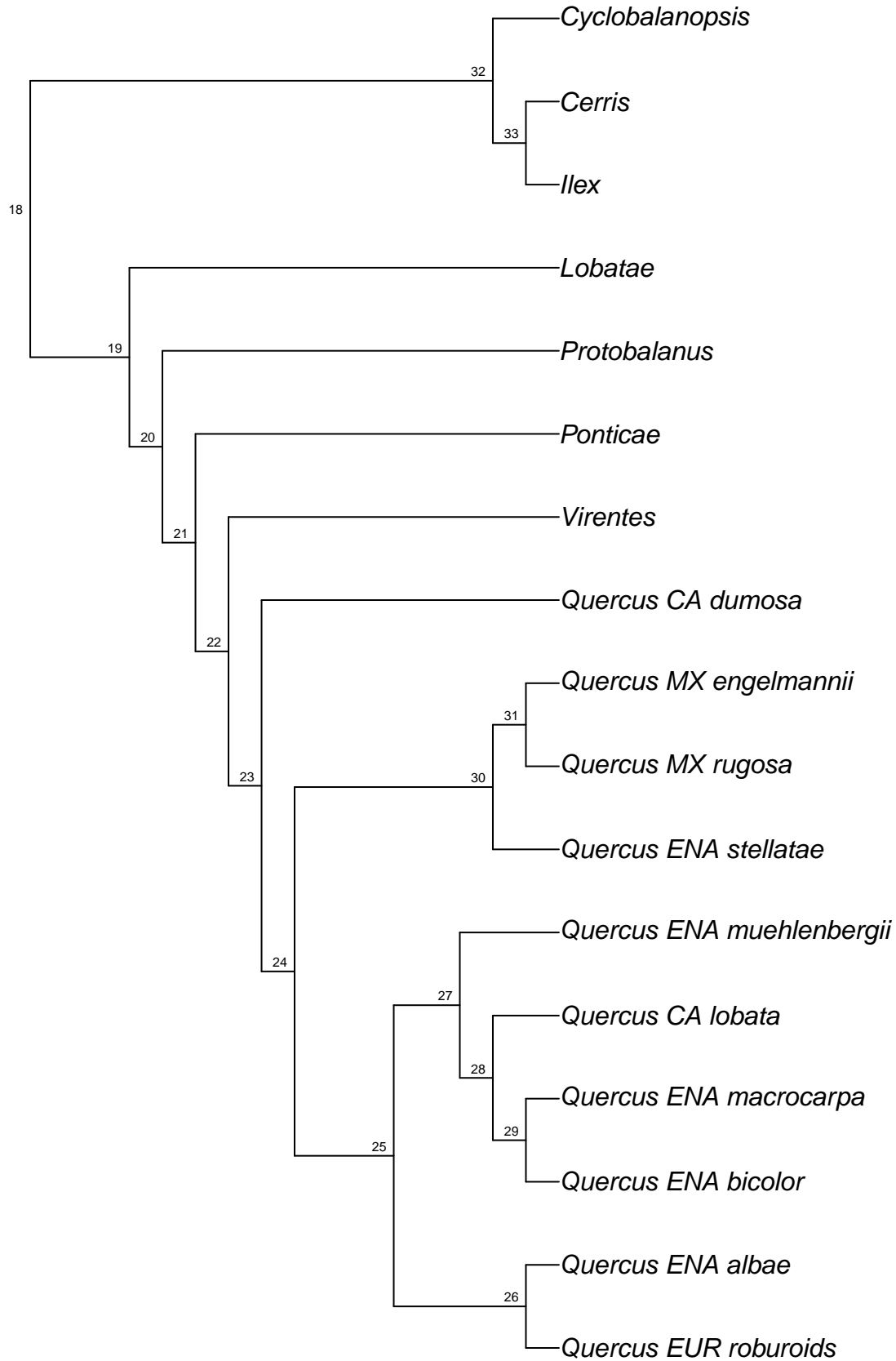
# reSeq.reseq\_Qvar.bt072



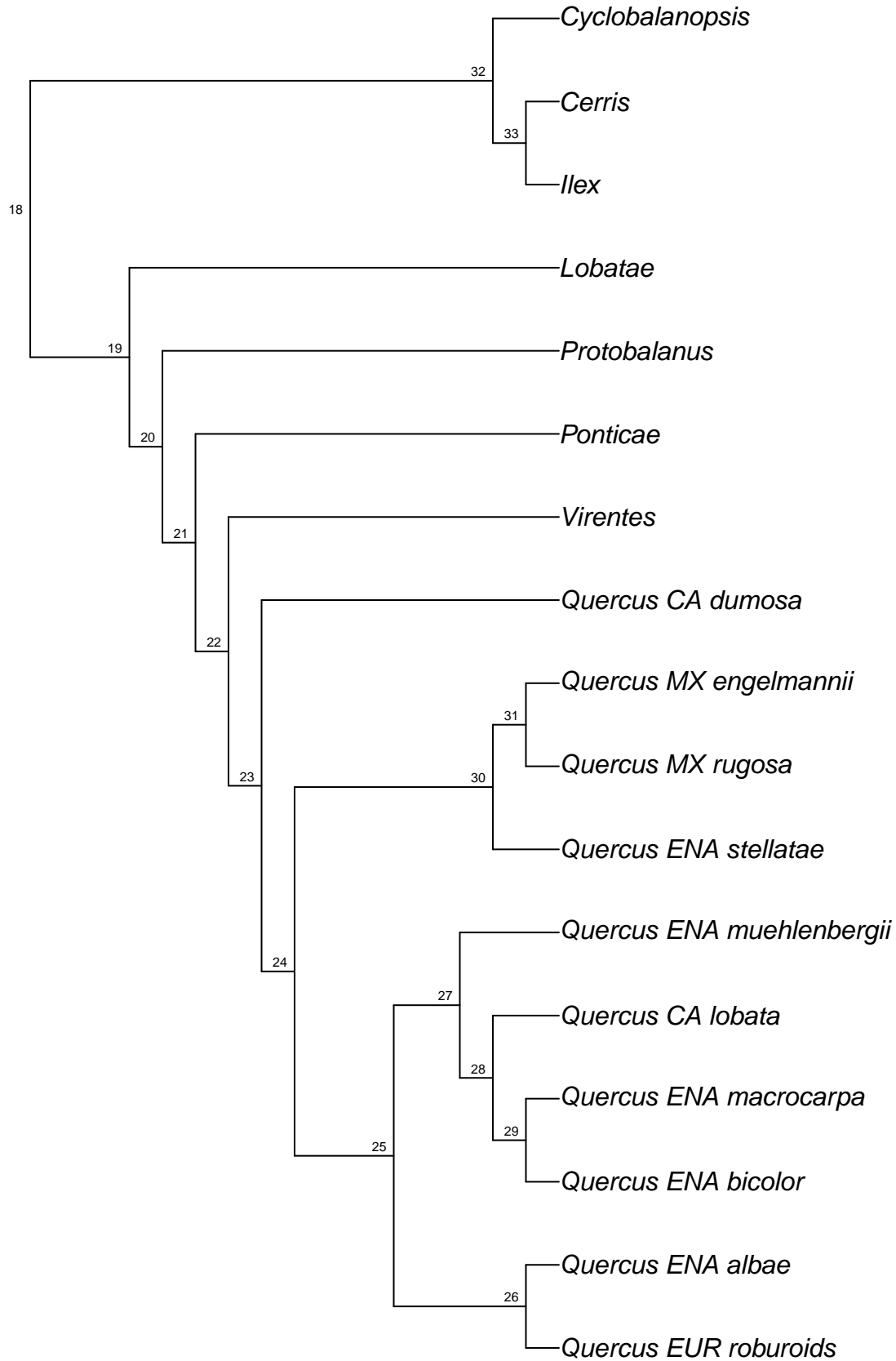
# reSeq.reseq\_Qvar.bt073



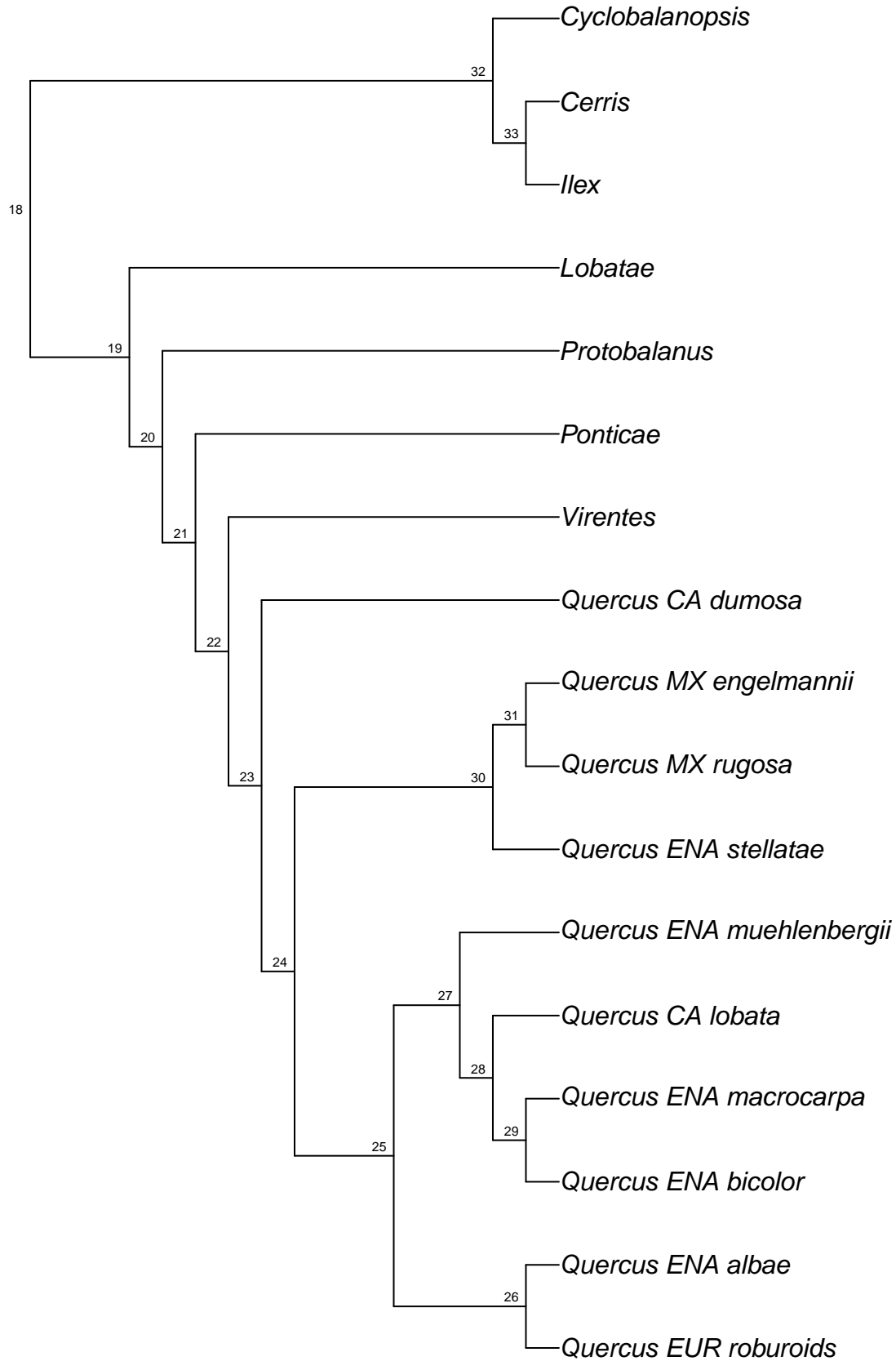
# reSeq.reseq\_Qvar.bt074



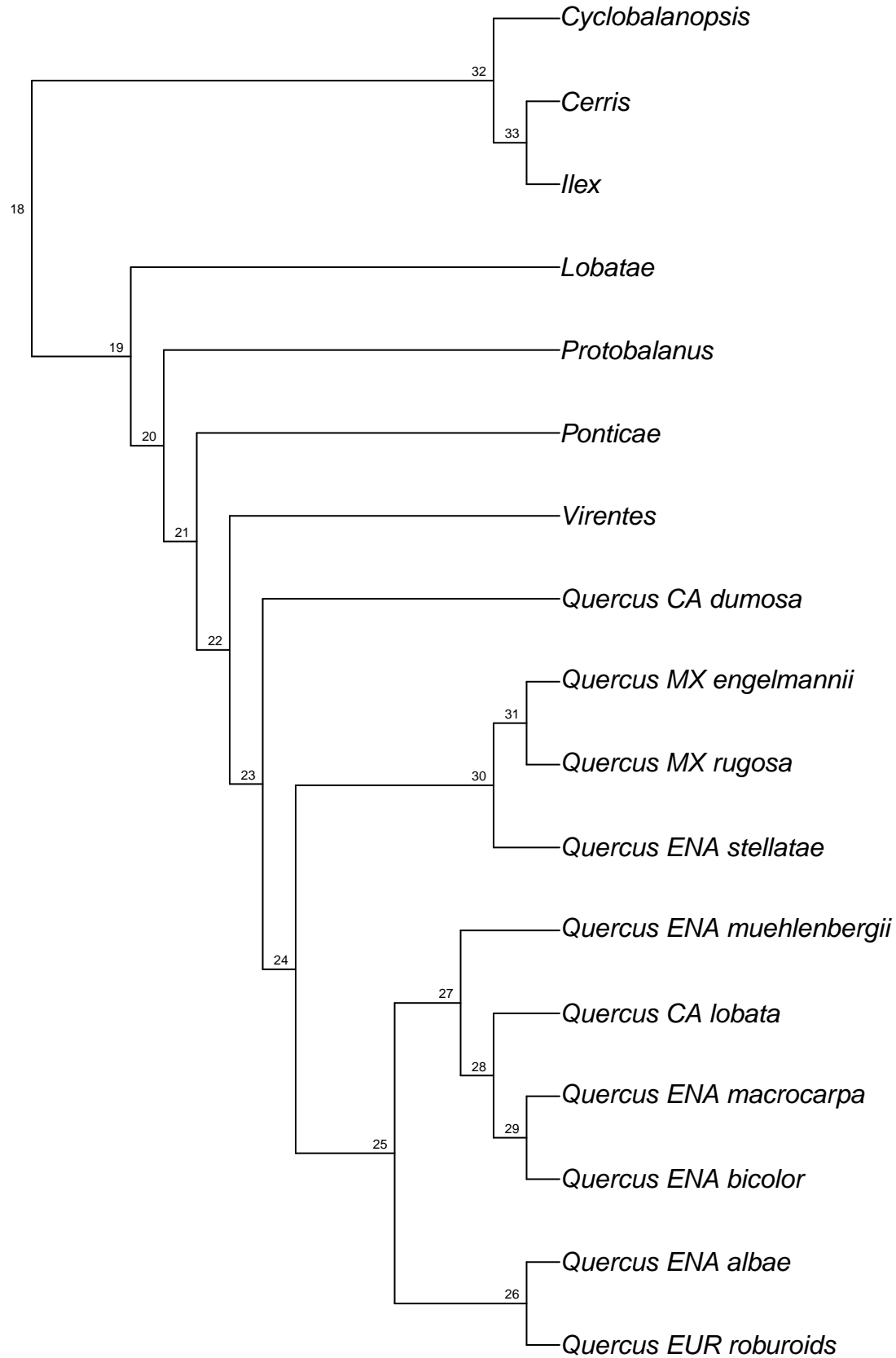
# reSeq.reseq\_Qvar.bt075



# reSeq.reseq\_Qvar.bt076

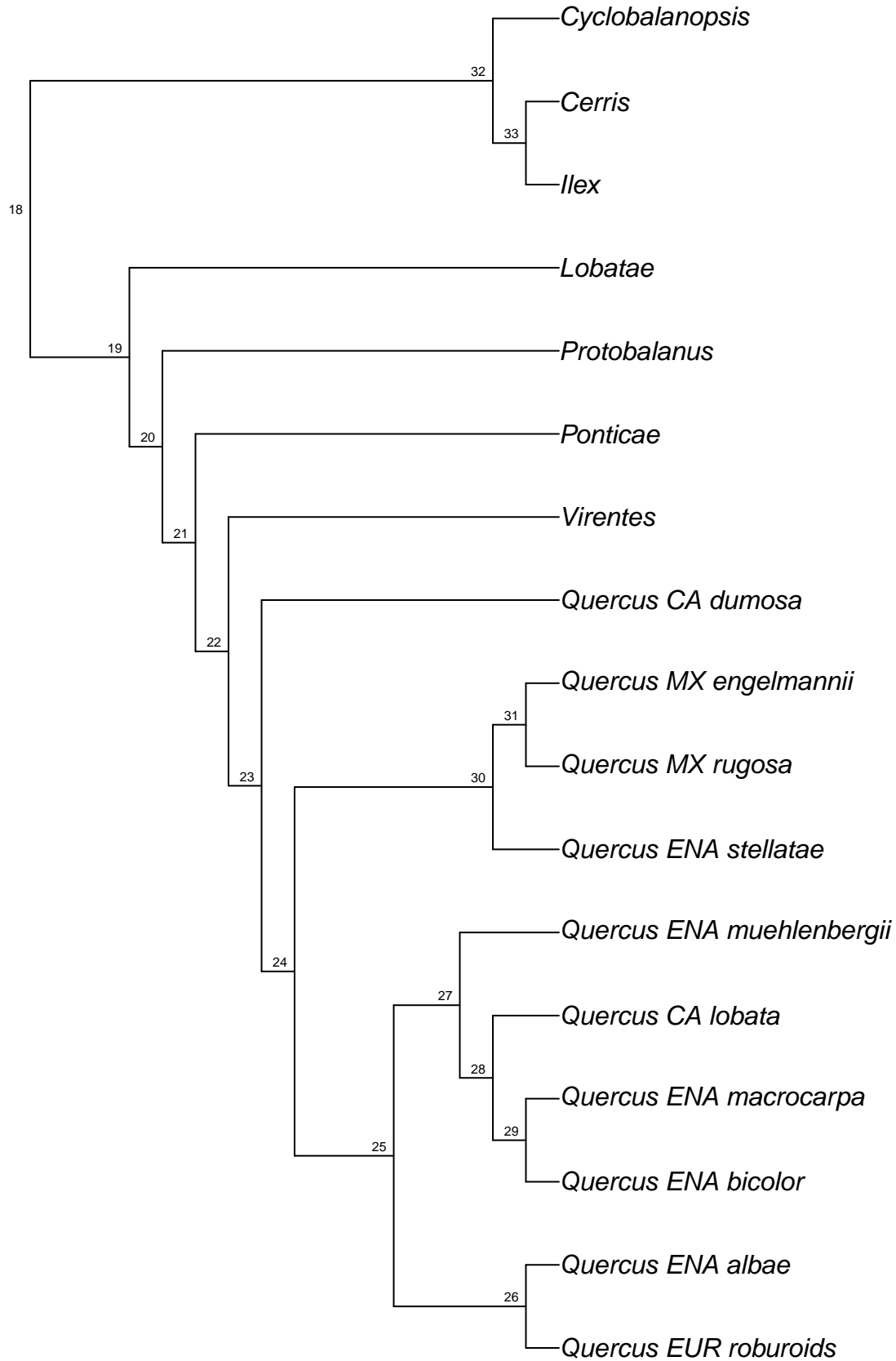


# reSeq.reseq\_Qvar.bt077

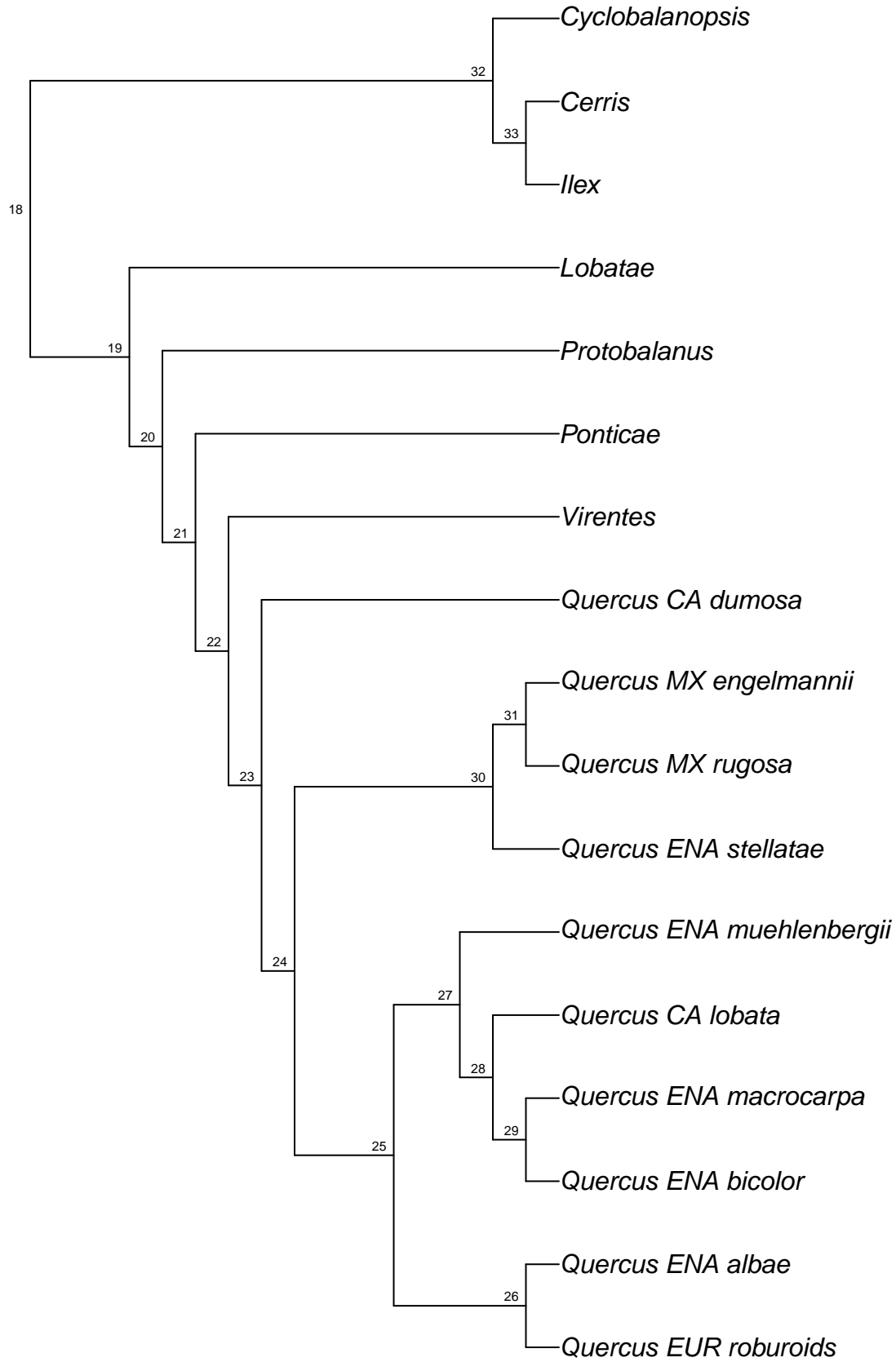




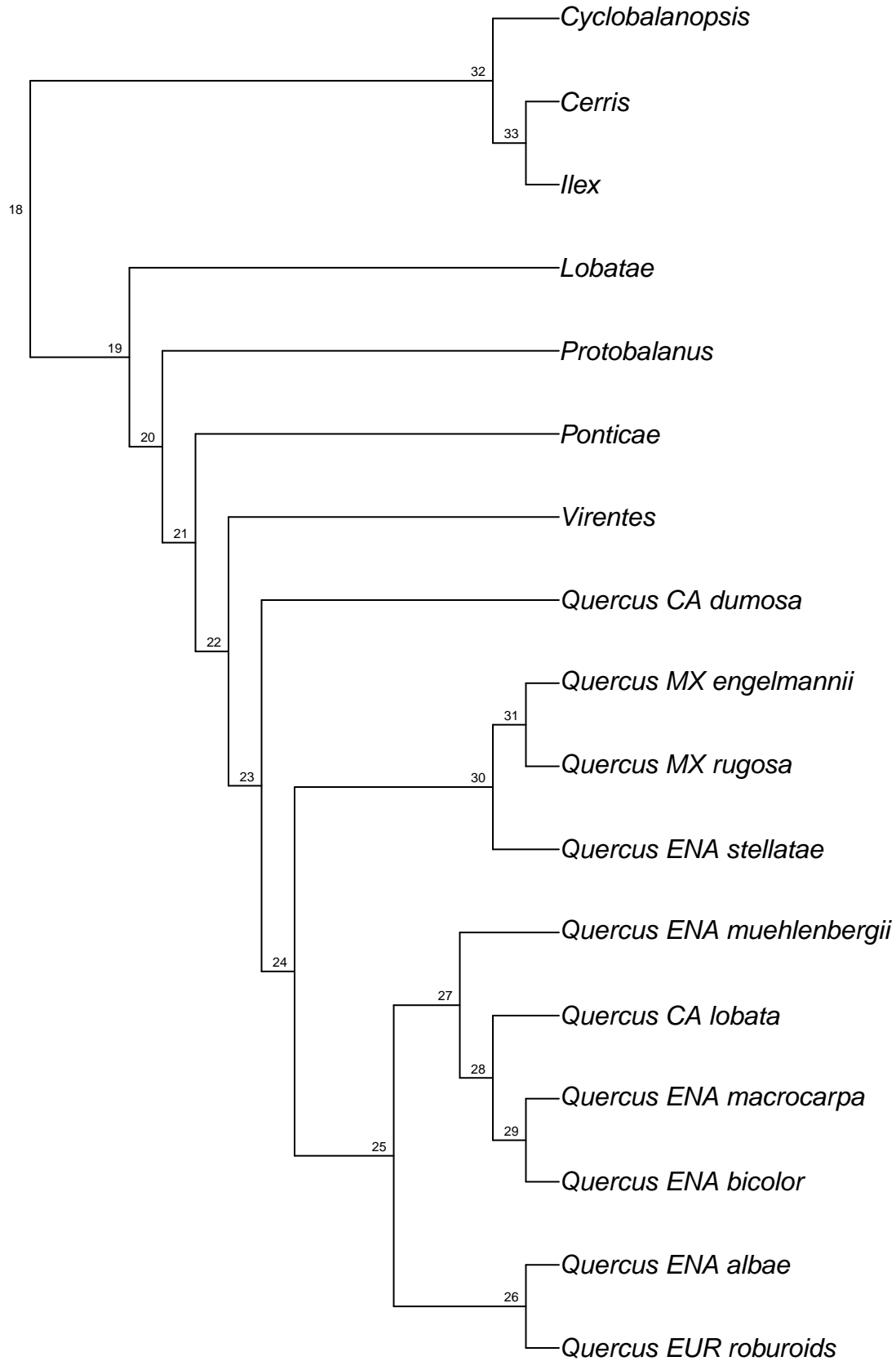
# reSeq.reseq\_Qvar.bt078



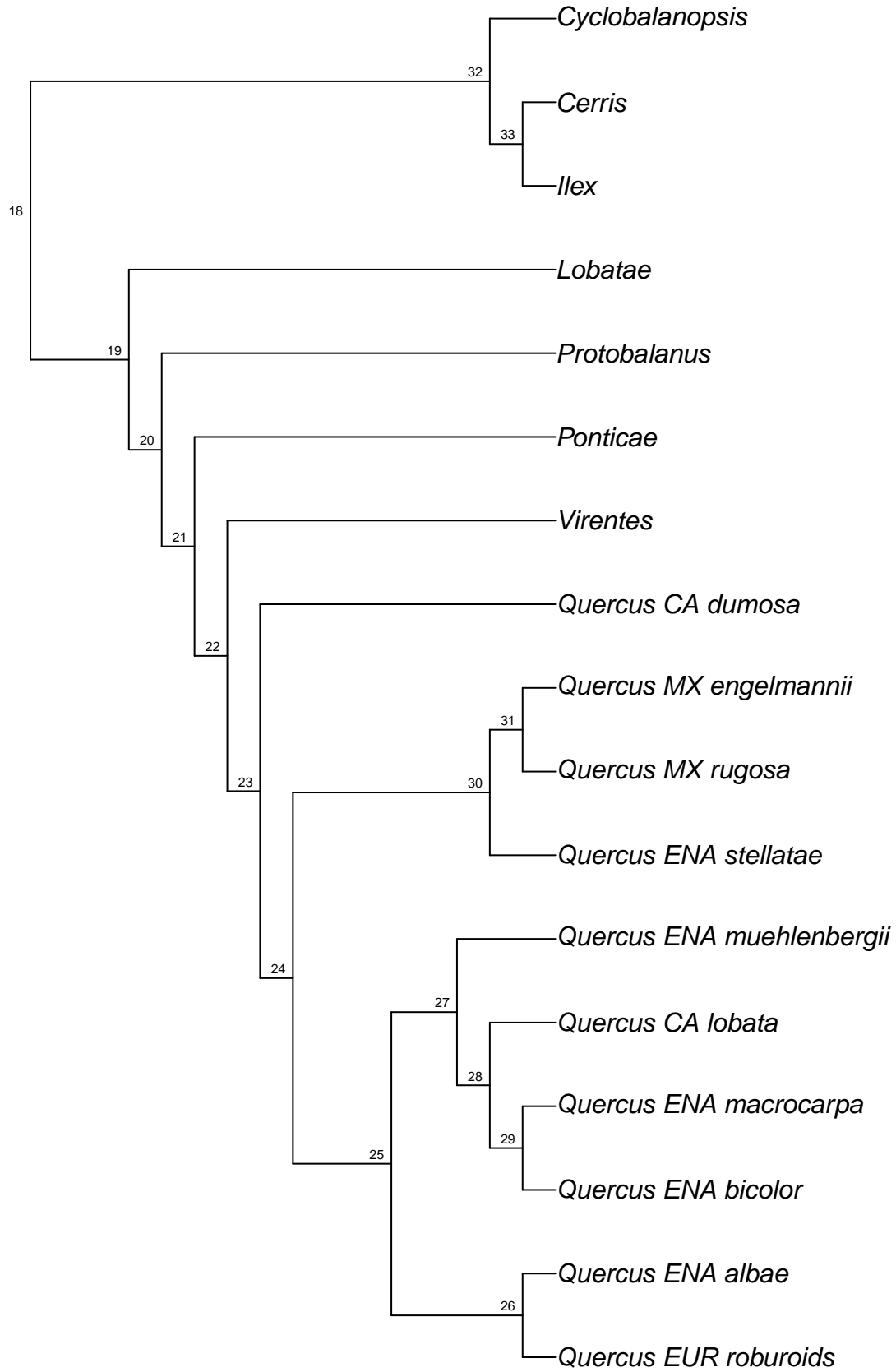
# reSeq.reseq\_Qvar.bt079



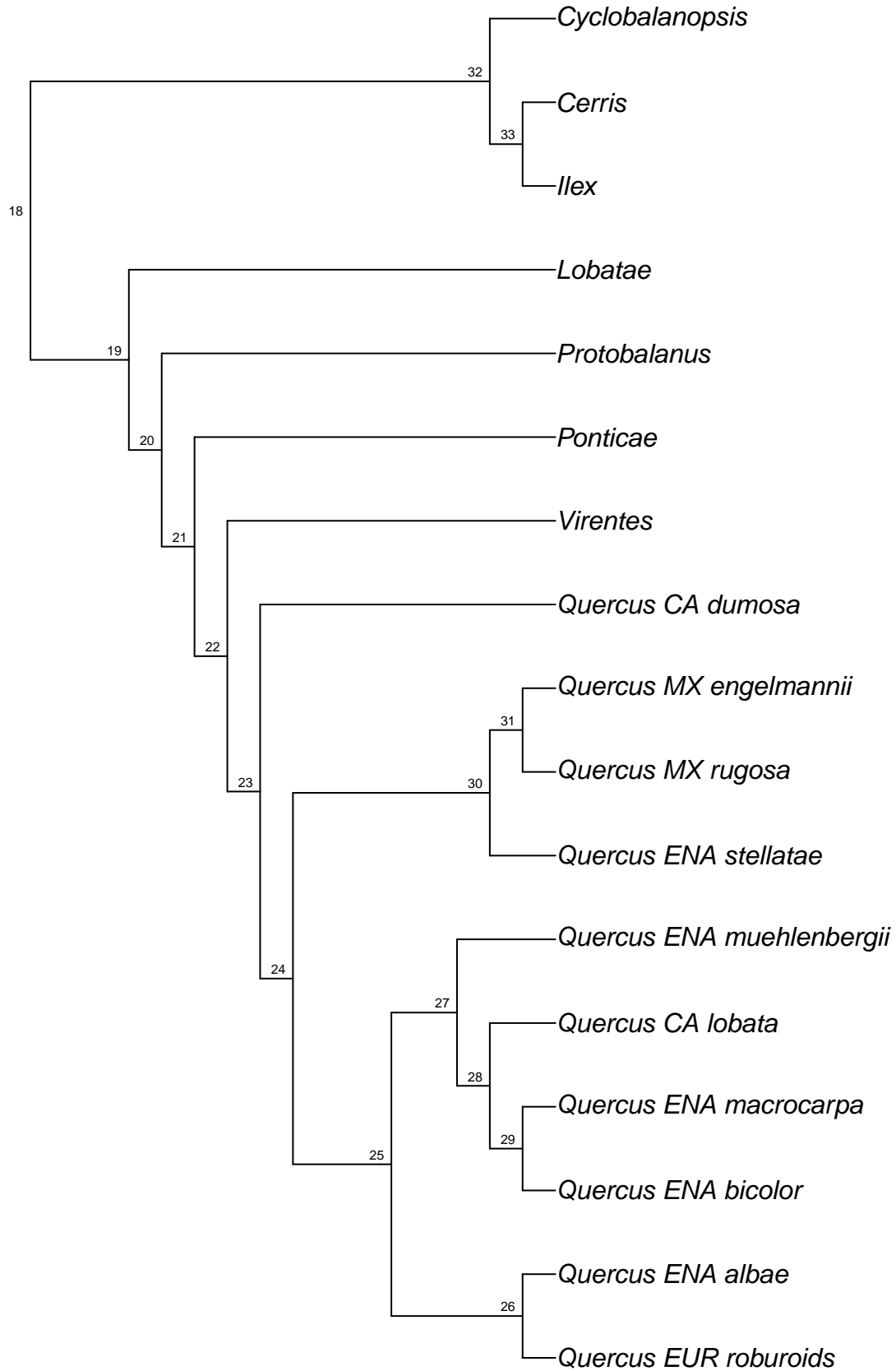
# reSeq.reseq\_Qvar.bt080



# reSeq.reseq\_Qvar.bt081



# reSeq.reseq\_Qvar.bt082



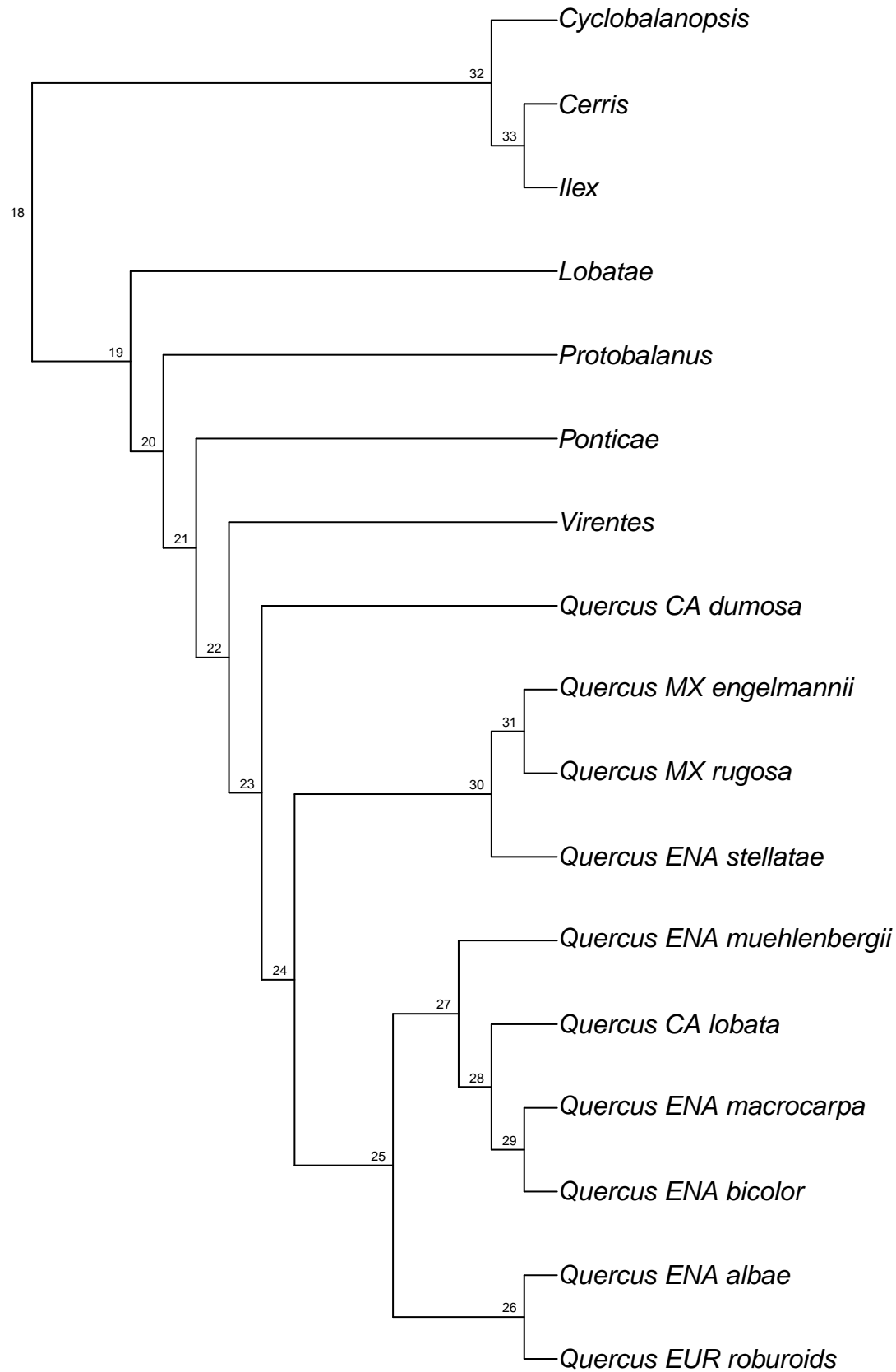
# reSeq.reseq\_Qvar.bt083



# reSeq.reseq\_Qvar.bt084

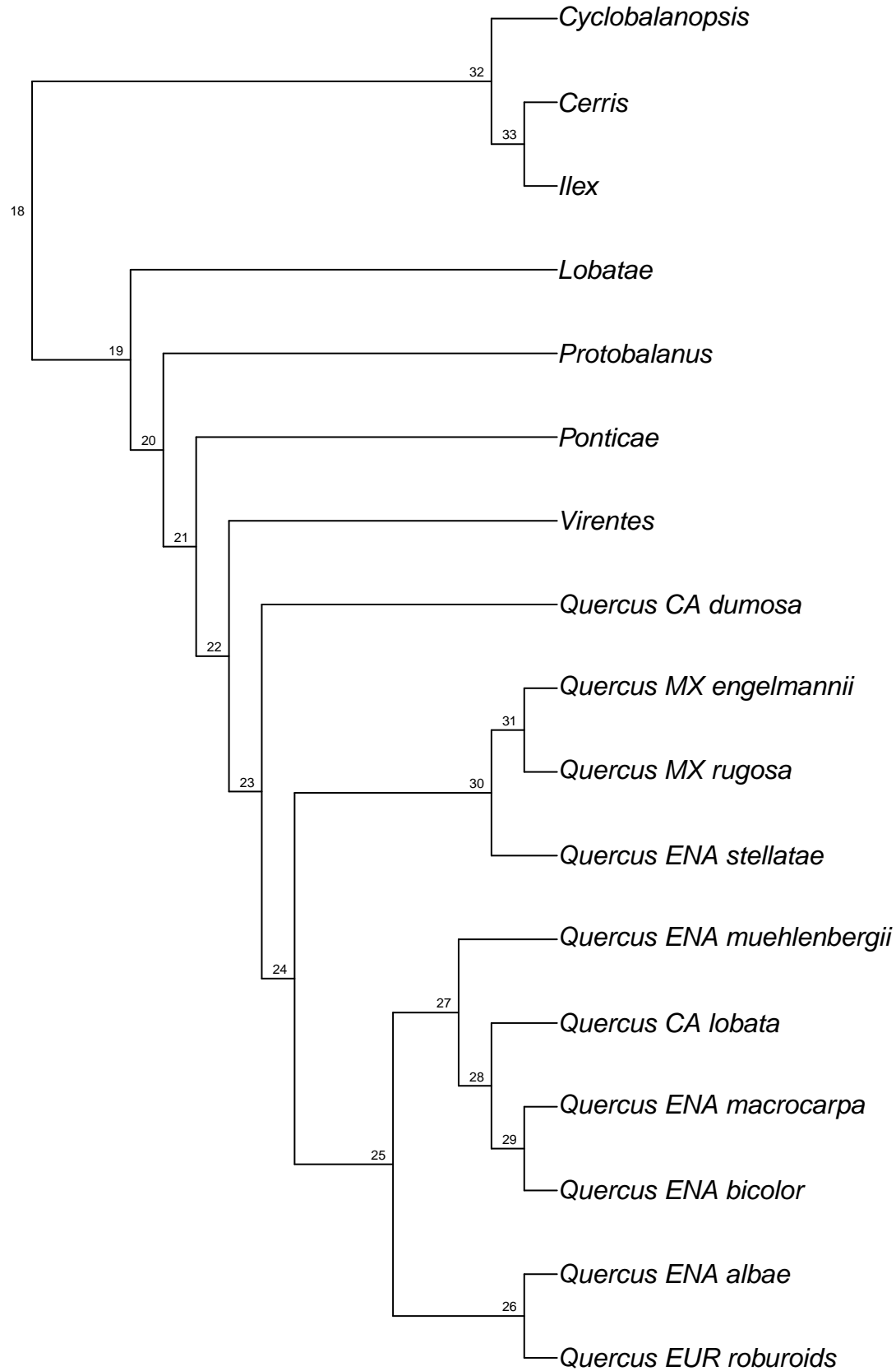


# reSeq.reseq\_Qvar.bt085





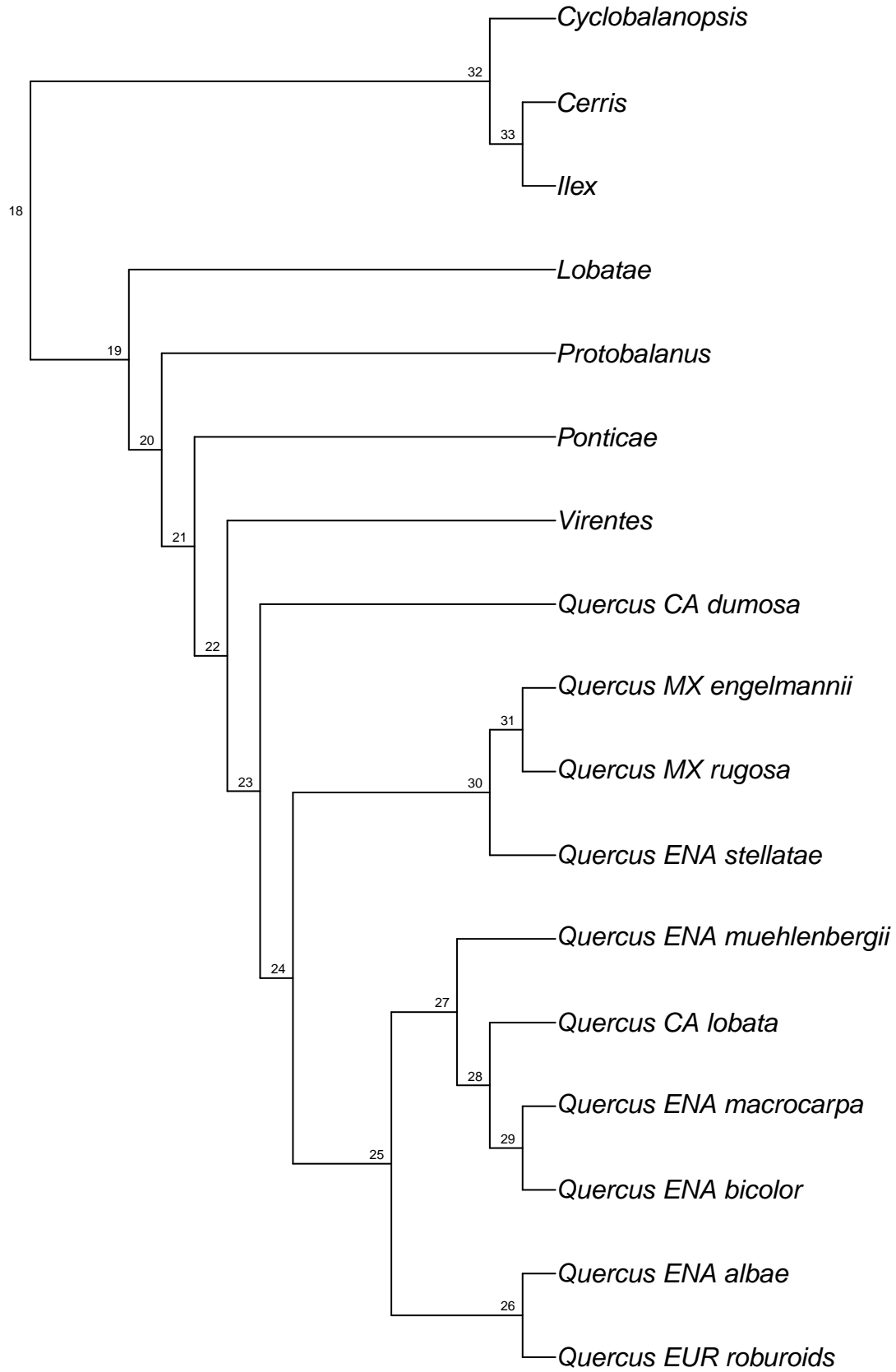
# reSeq.reseq\_Qvar.bt086



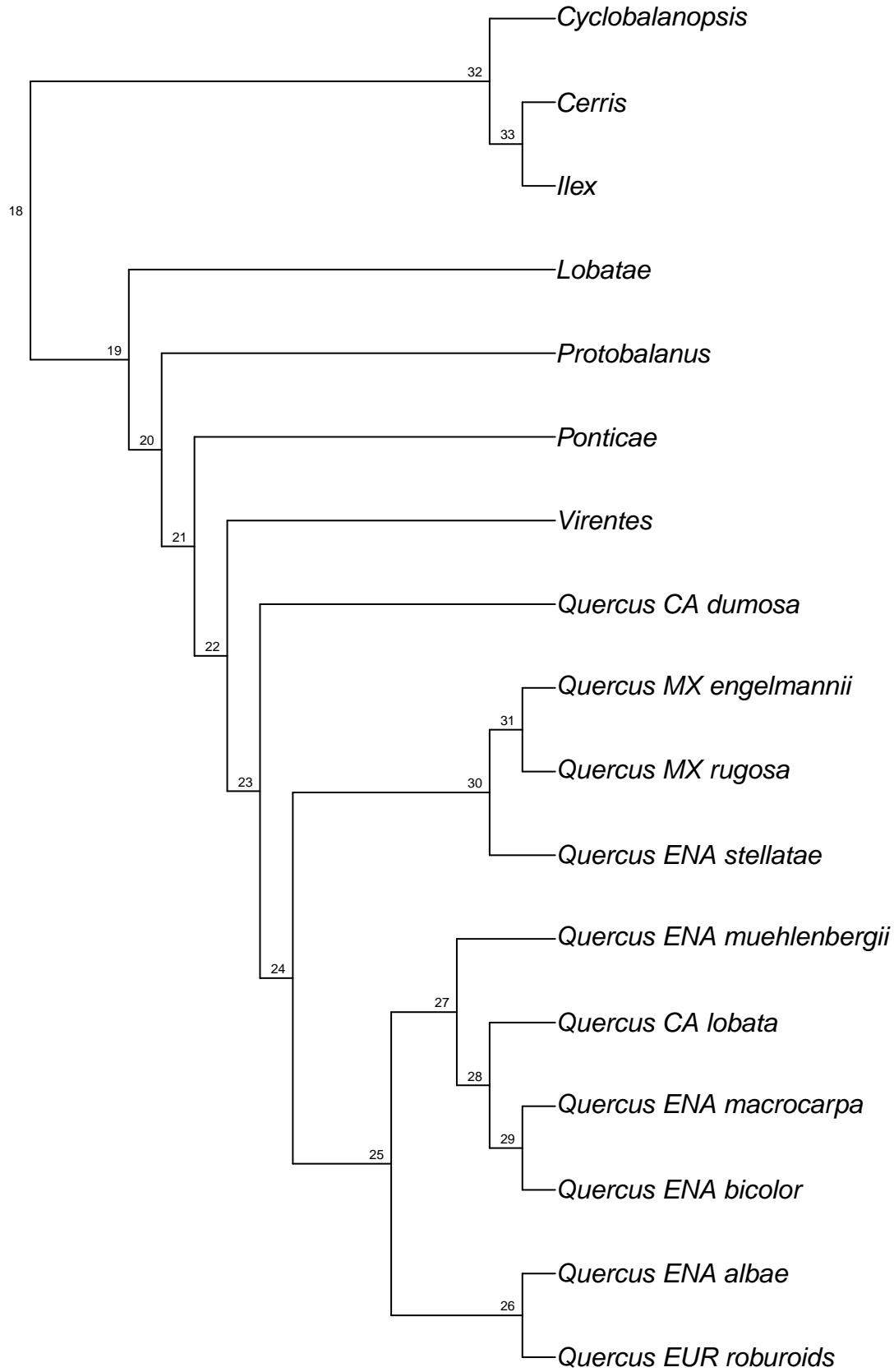
# reSeq.reseq\_Qvar.bt087



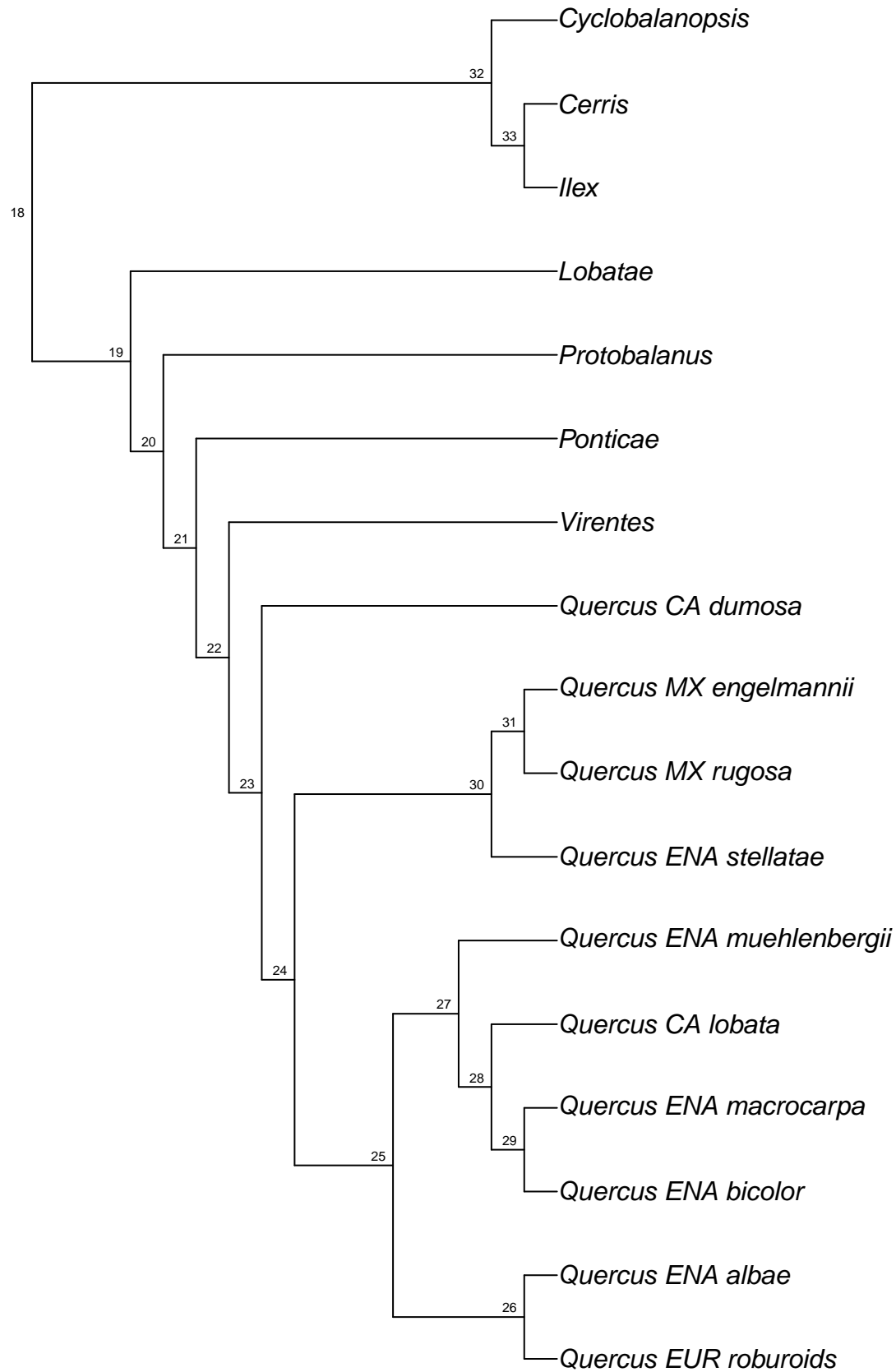
# reSeq.reseq\_Qvar.bt088



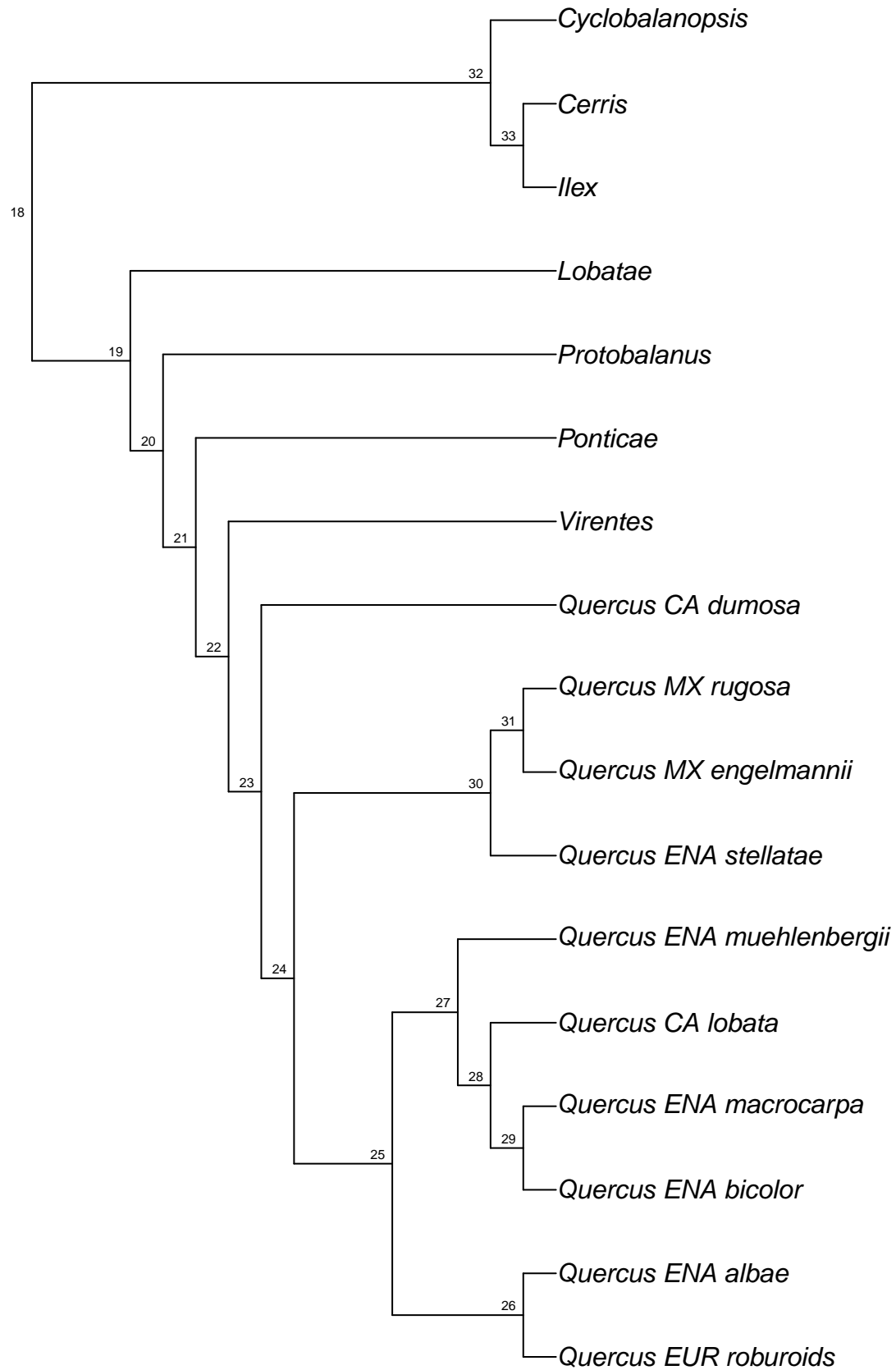
# reSeq.reseq\_Qvar.bt089



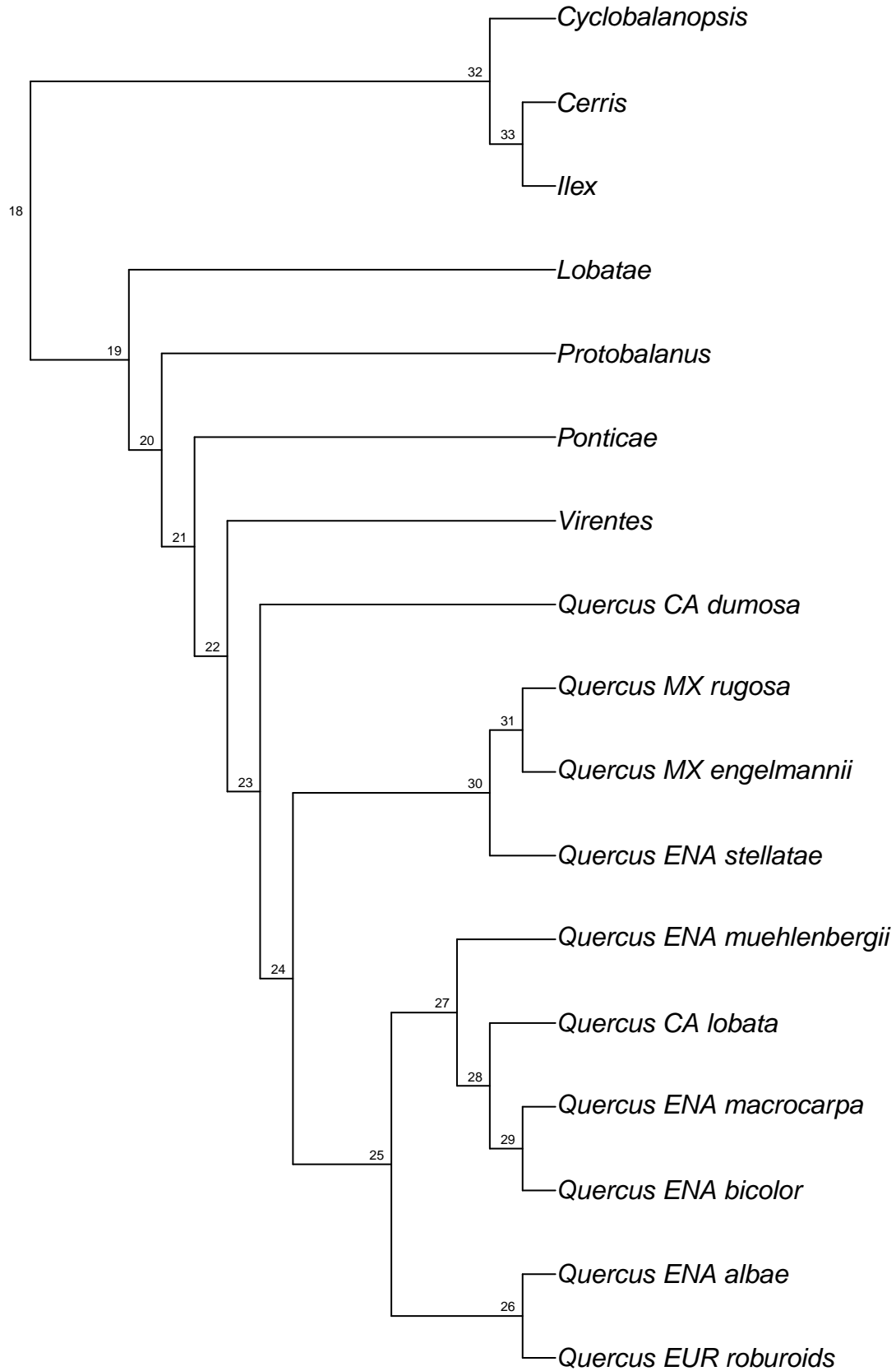
# reSeq.reseq\_Qvar.bt090



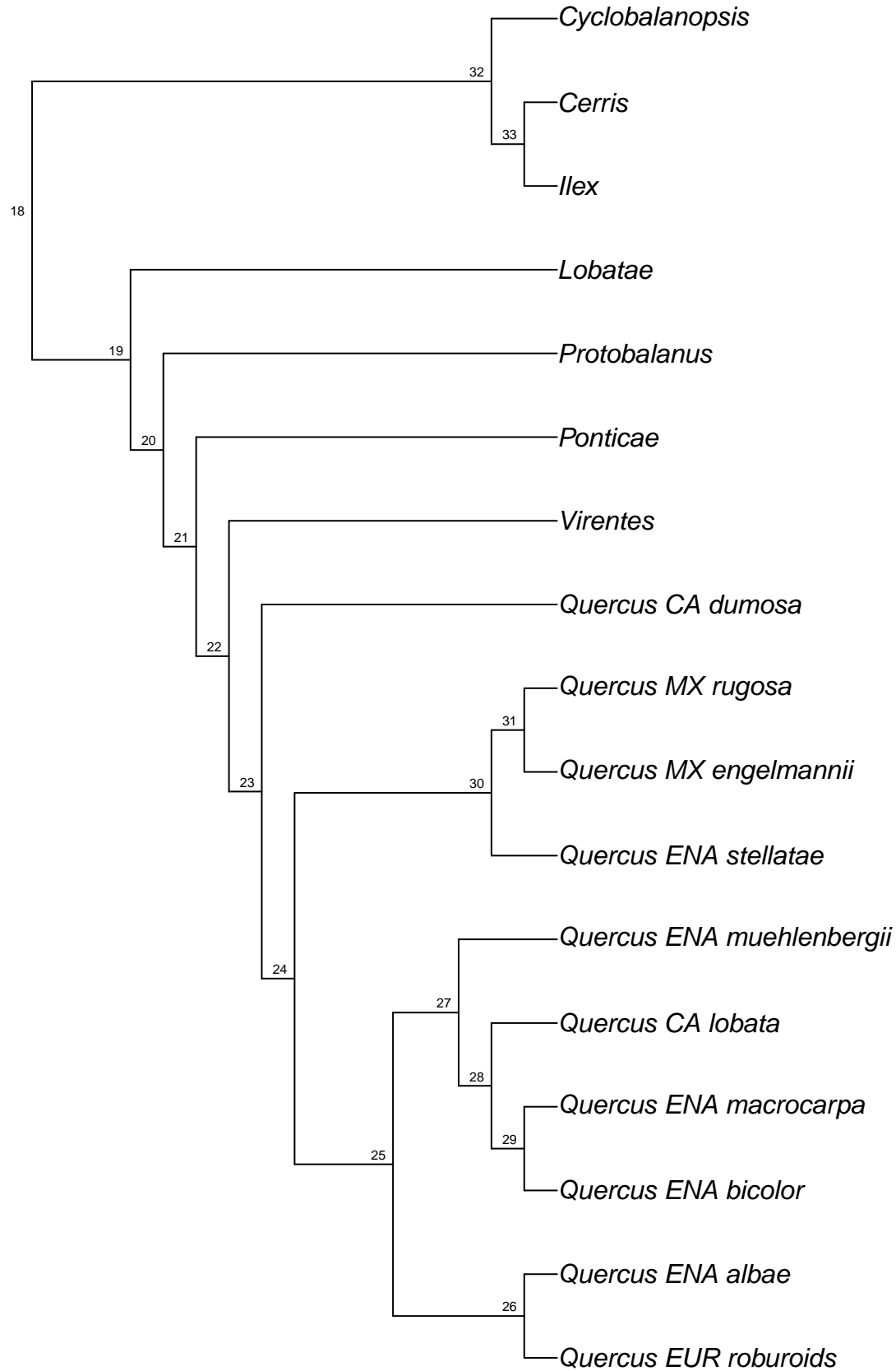
# reSeq.reseq\_Qvar.bt091



# reSeq.reseq\_Qvar.bt092

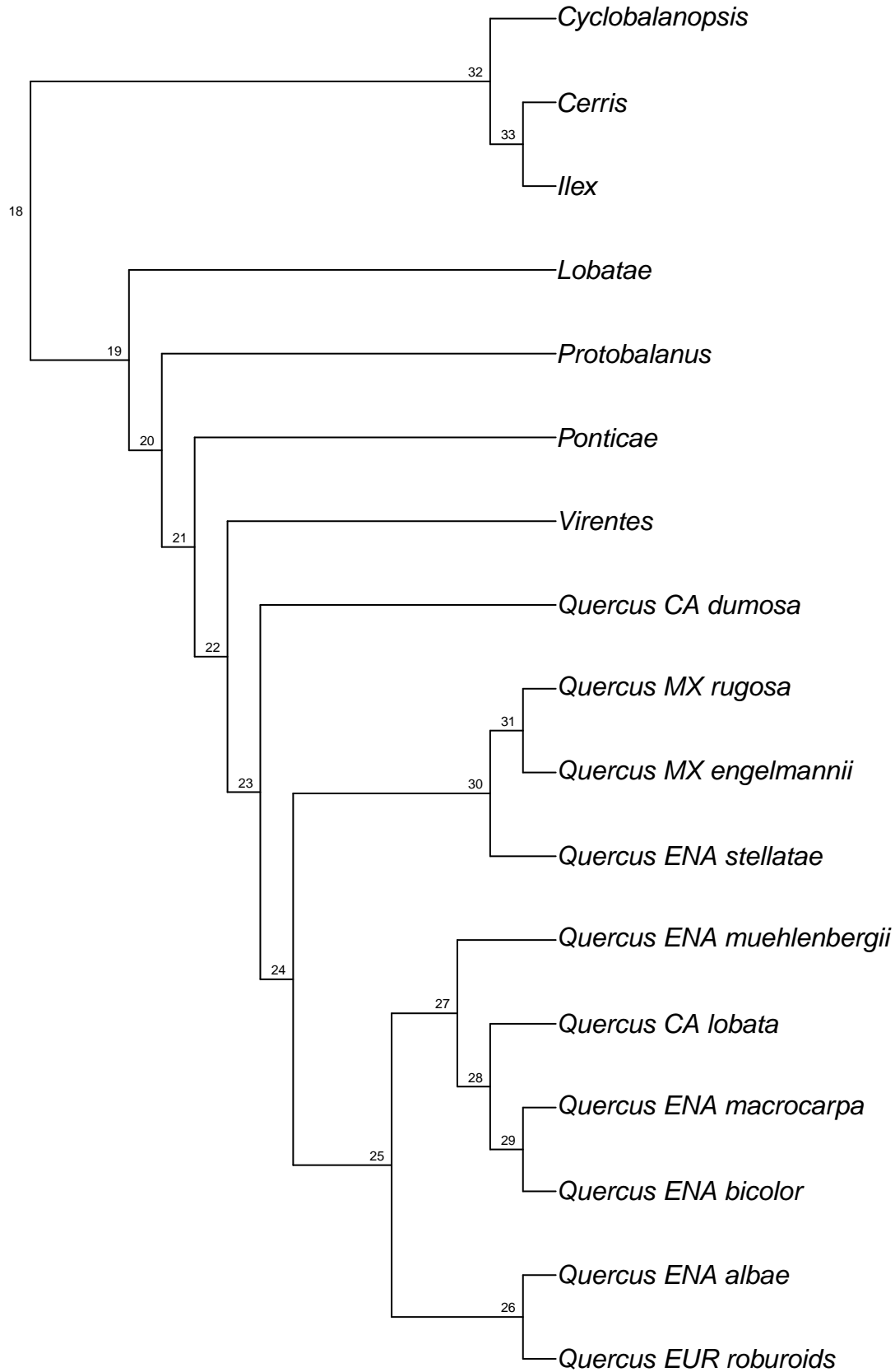


# reSeq.reseq\_Qvar.bt093

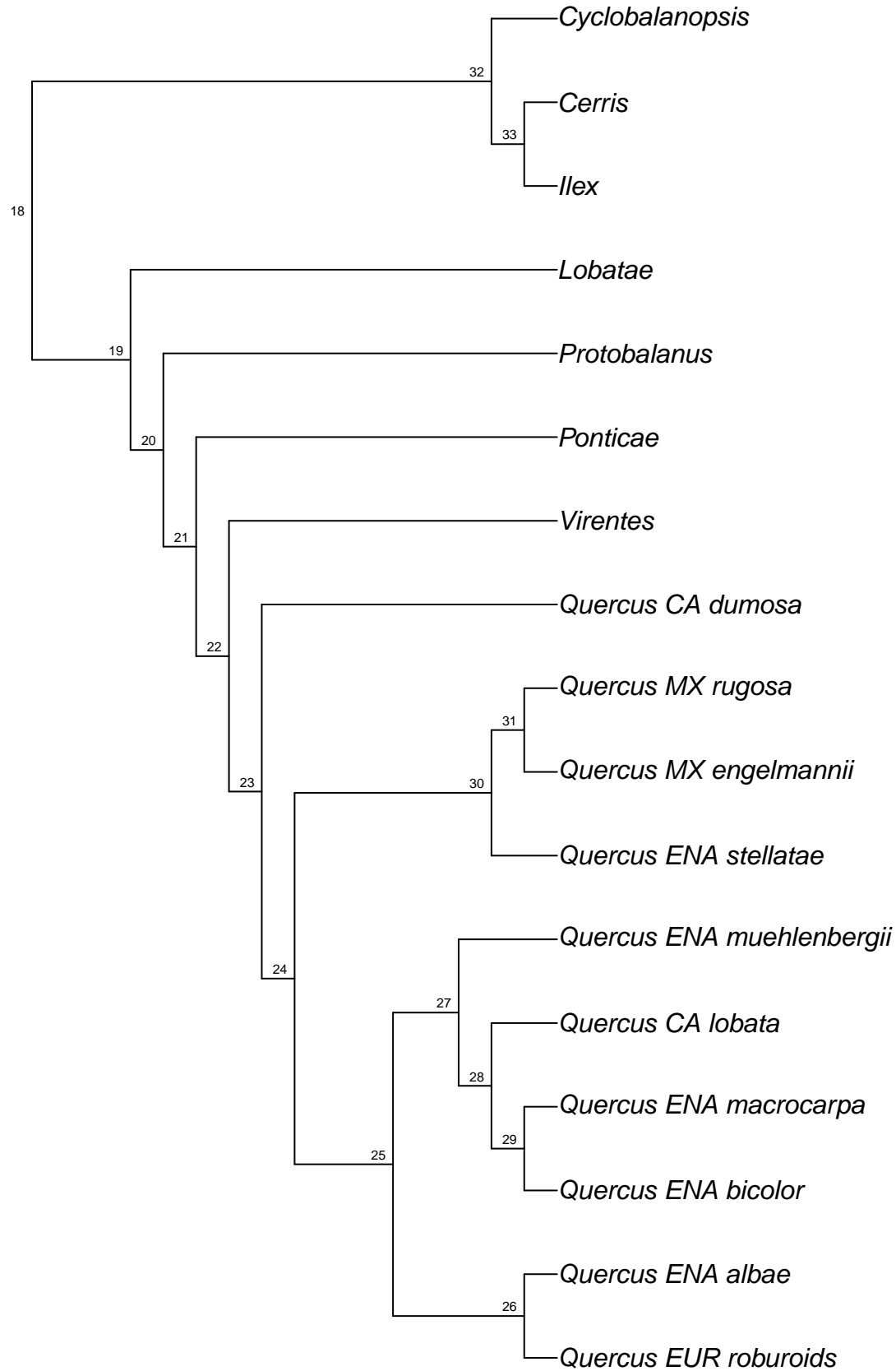




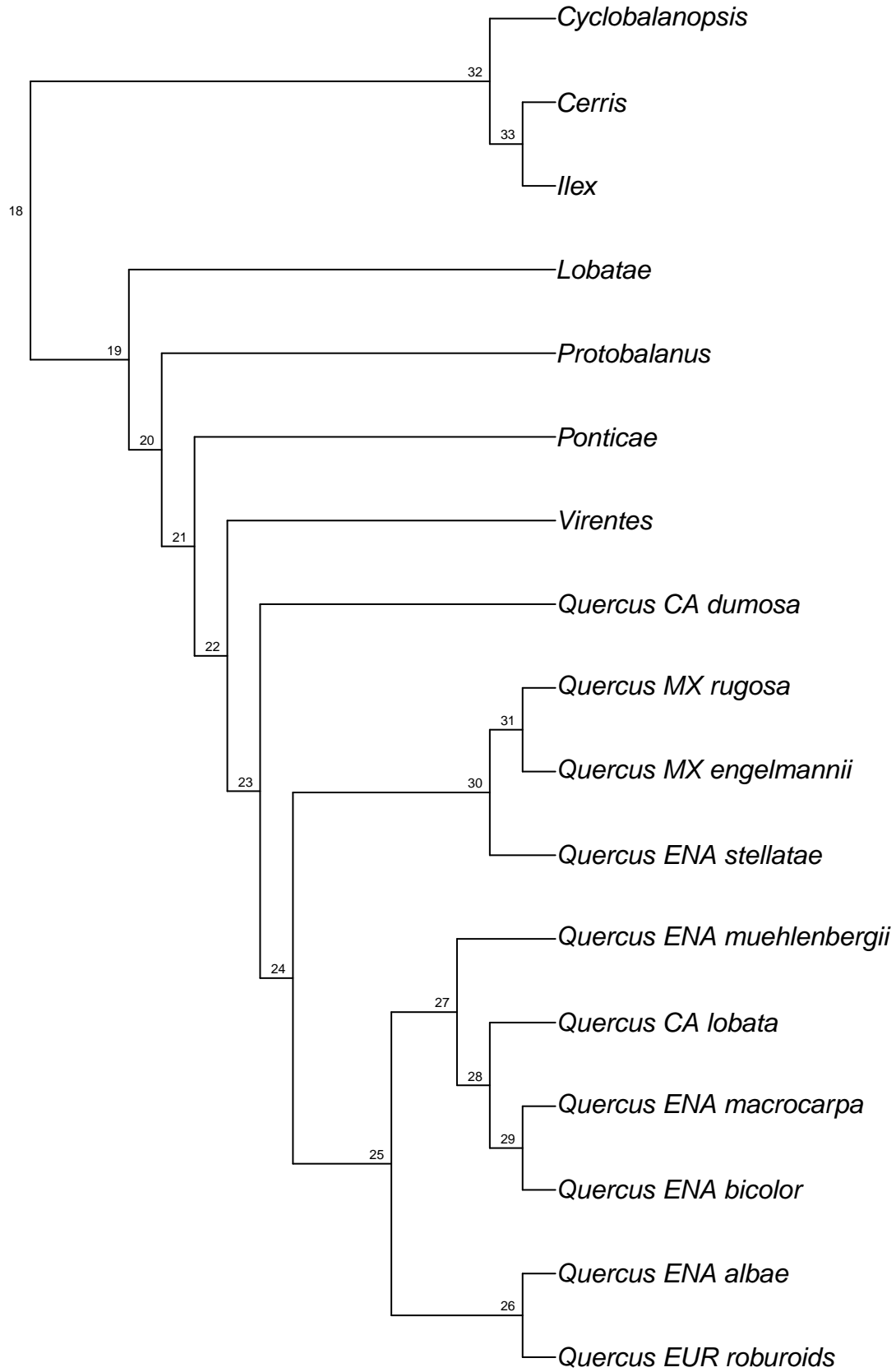
# reSeq.reseq\_Qvar.bt094



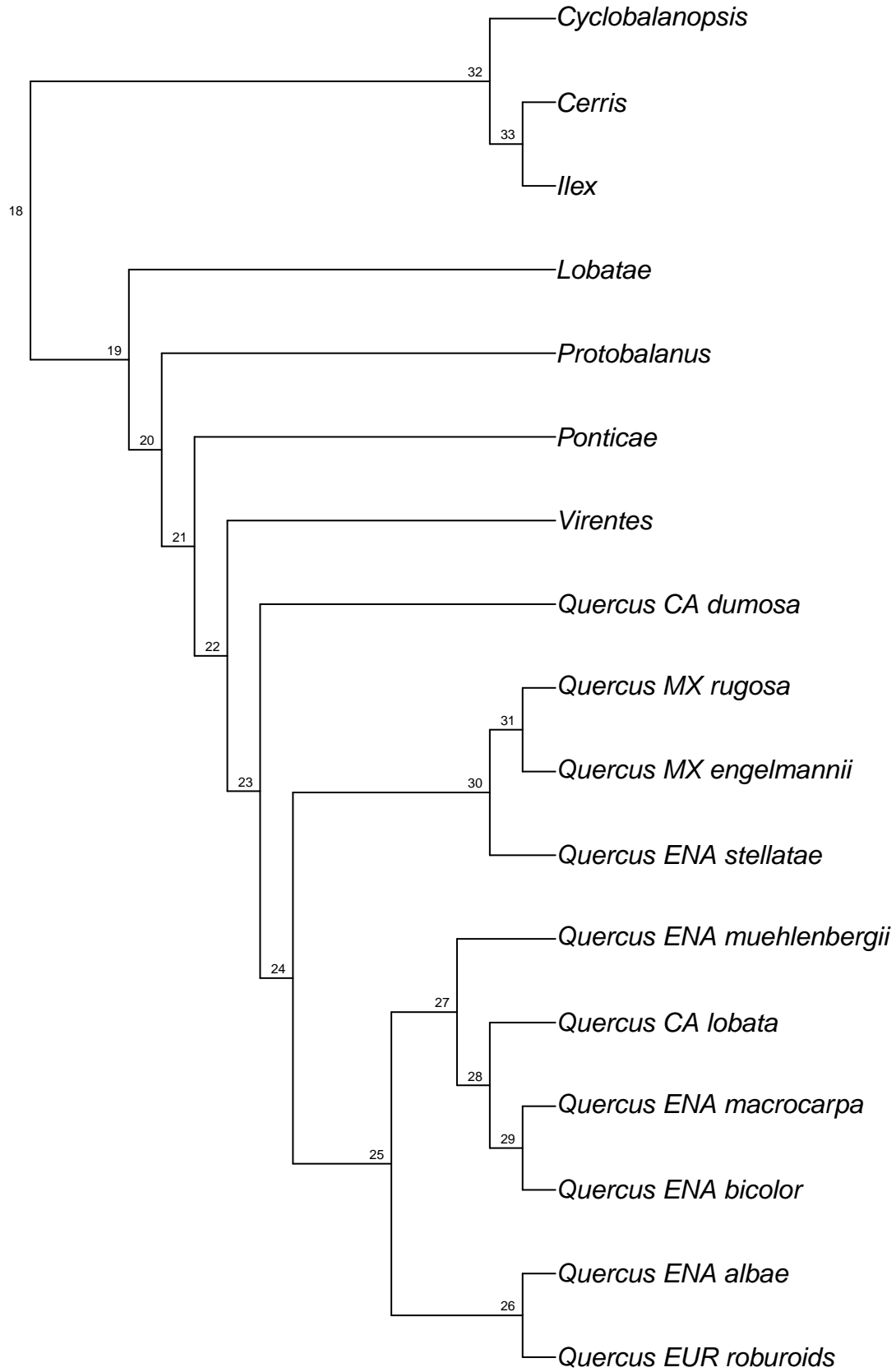
# reSeq.reseq\_Qvar.bt095



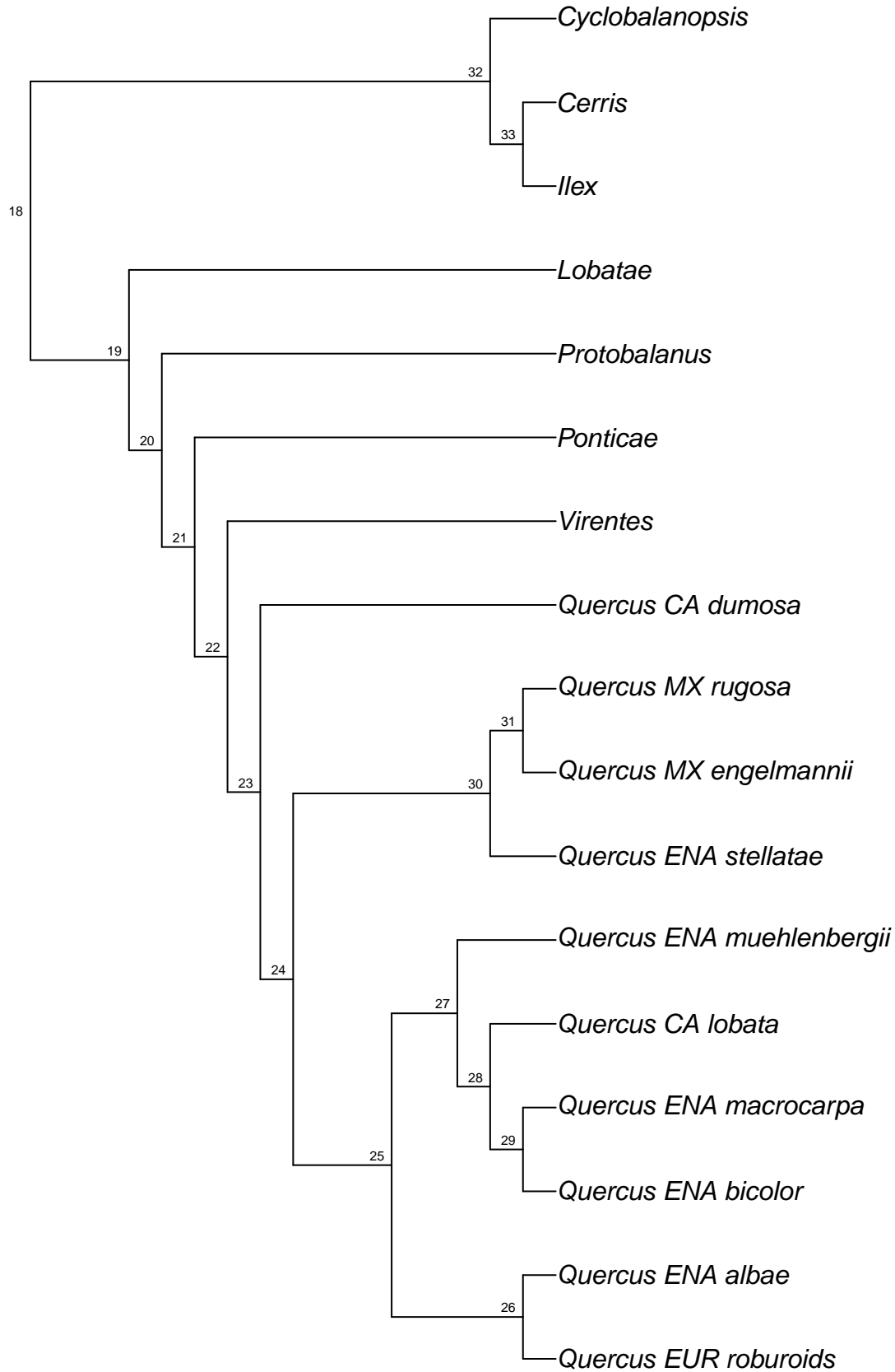
# reSeq.reseq\_Qvar.bt096



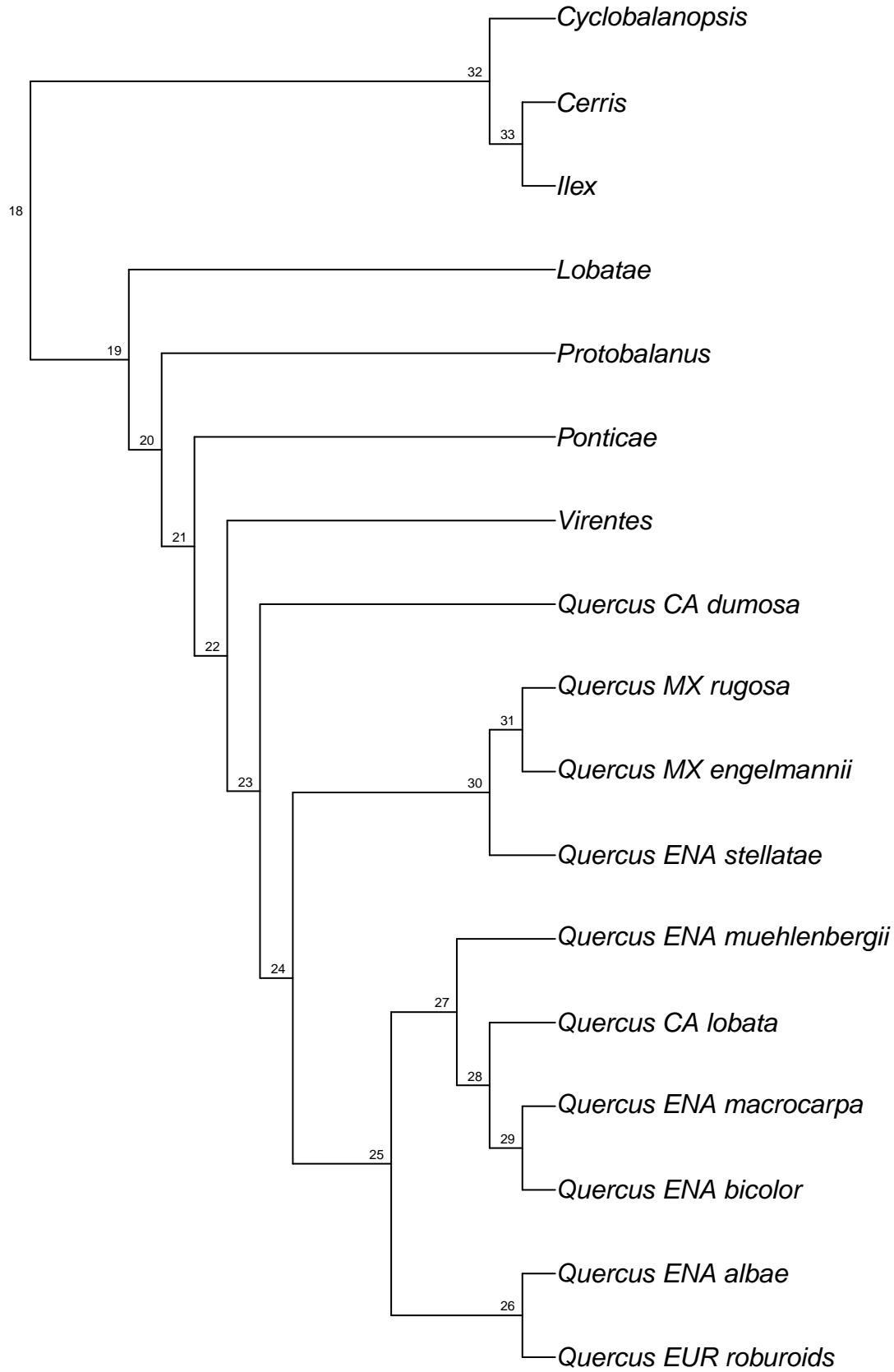
# reSeq.reseq\_Qvar.bt097



# reSeq.reseq\_Qvar.bt098



# reSeq.reseq\_Qvar.bt099



# reSeq.reseq\_Qvar.bt100

