Taxon sets preliminary trees

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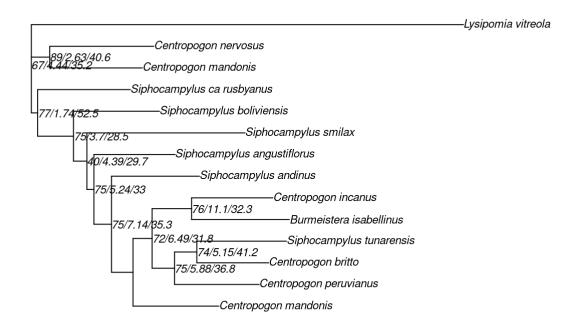
Taxon Set 1

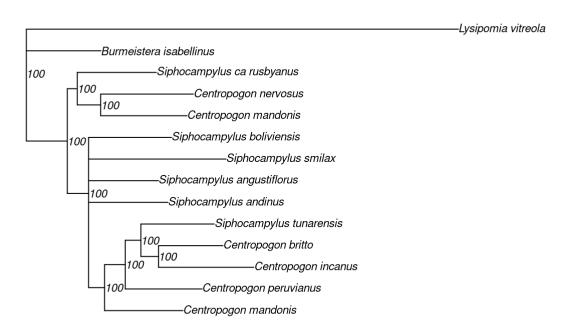
Trees from 353 data

This tree was generated from reads from genome skim data subsetted based on their alignment to 353 loci. The reads were then assembled in HybPiper.

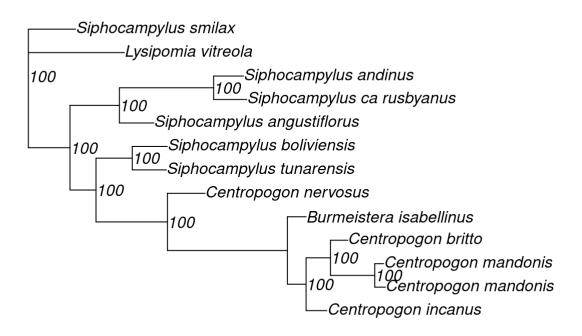
IQTree with partitions

Node support is given as Bootstrap/gCF/sCF.

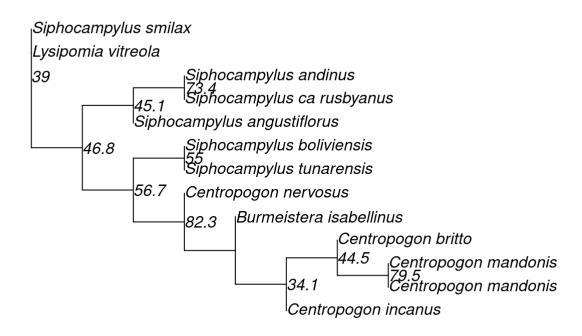




This tree was generated from reads from genome skim data. Variable sites were obtained using SISRS. The tree was constructed using RAxML with a dataset limited to biallelic sites, sites without gaps, and limited to a maximum of five samples missing per site. Node support is given as Bootstrap.



Same tree plotted with sCF on nodes.



- Data was run through SISRS to generate targets specific to the taxon set.
- · Targets were used to filter trimmed Illumina reads.
- The reads were then assembled in HybPiper as for the 353 analysis.
- · The tree was constructed using IQTree.
- Node support is given as Bootstrap/gCF/sCF.

-Lysipomia vitreola

Siphocampylus angustiflorus
94/15.8/31.8iphocampylus ca rusbyanus
95/06/4246/65.9
Siphocampylus andinus
Siphocampylus tunarensis
85/19.4/31.9
Siphocampylus boliviensis
83/12.7/34.5
Siphocampylus smilax

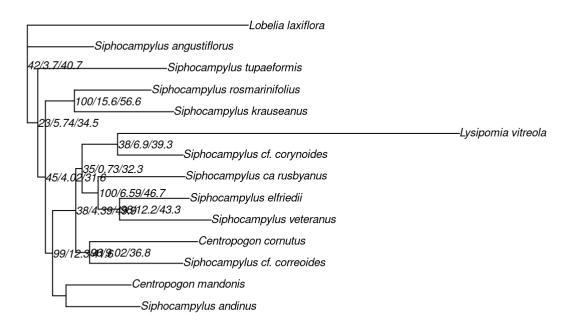
00/23/43.4

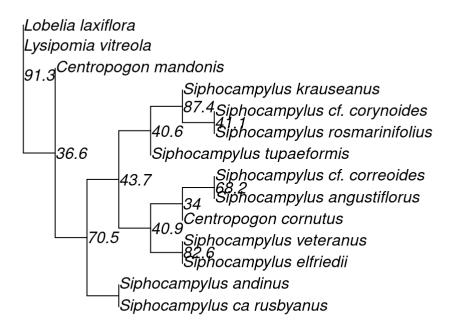
Burmeistera isabellinus
109/32.6/6/40.7
Centropogon peruvianus
96/20.4/180505050 britto
199/29.2/33.8
Centropogon incanus
100/34.6/44.4
Centropogon mandonis

Centropogon mandonis

Taxon Set 2

Trees from 353 data



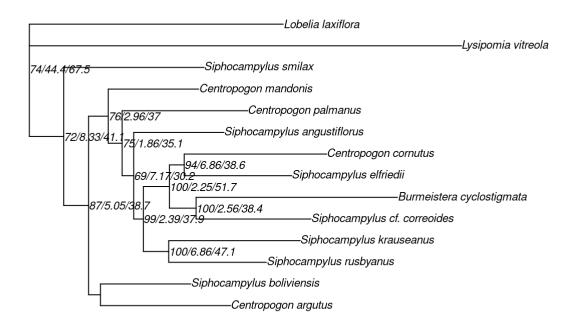


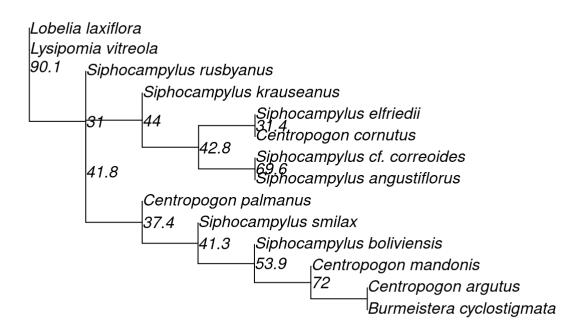
— Siphocampylus angustiflorus

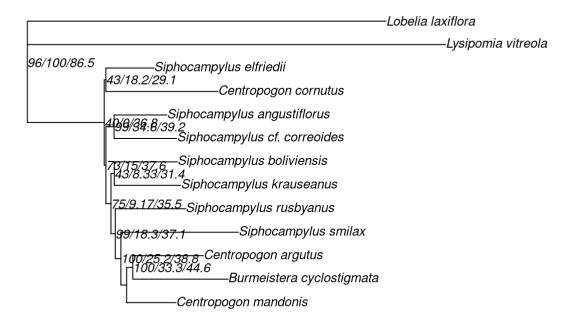
100/37.1/57 Siphocampylus cf. correoides
— Siphocampylus cf. corynoides
100/49.4/78iphocampylus krauseanus
100/33/45.3
9678 92885.2 Siphocampylus rosmarinifolius
— Siphocampylus elfriedii
75/12.4/36.9 Siphocampylus tupaeformis
— Siphocampylus tupaeformis
— Siphocampylus ca rusbyanus
— Siphocampylus andinus
— Centropogon mandonis

Taxon Set 3

Trees from 353 data

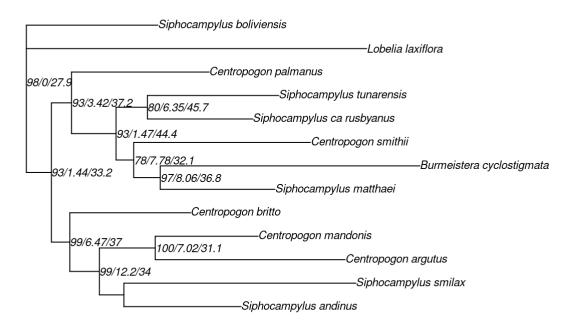


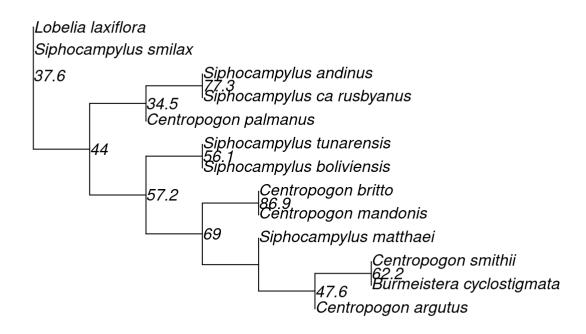




Taxon Set 4

Trees from 353 data





— Lobelia laxiflora
— Siphocampylus tunarensis
36/0/37 — Siphocampylus boliviensis
— Siphocampylus ca rusbyanus
40/19/05/3/56.4 — Siphocampylus andinus
— Siphocampylus smilax
— Burmeistera cyclostigmata
— Burmeistera cyclostigmata
— 98/17/34. Čentropogon argutus
100/37/17/69/39.5 — Centropogon smithii
— Centropogon britto
— Centropogon mandonis

Taxon Set 5

Trees from 353 data

