

## SUPPLEMENTARY APPENDIX

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:

### **Tropical plants evolve faster than their temperate relatives: a case from the bamboos (Poaceae: Bambusoideae) based on chloroplast genome data**

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#### **Supplemental data**

**Table S1.** The 76 available chloroplast genomes of Bambusoideae, including 43 temperate woody bamboos (Arundinarieae), 20 tropical woody bamboos (Bambuseae) and 13 herbaceous bamboos (Olyreae), used for comparative genomic analyses in this study. The GenBank accession numbers and geographical distributions of these bamboos are indicated.

| Tribe         | Species                                   | GenBank accession number | Geographical distribution |
|---------------|-------------------------------------------|--------------------------|---------------------------|
| Arundinarieae | <i>Hsuehochloa calcarea</i>               | KJ496369                 | Temperate                 |
|               | <i>Gelidocalamus tessellatus</i>          | NC_024719                | Temperate                 |
|               | <i>Ferocalamus rimosivaginus</i>          | HQ337794                 | Temperate                 |
|               | <i>Pleiolobatus maculatus</i>             | NC_024723                | Temperate                 |
|               | <i>Oligostachyum shiuyingianum</i>        | NC_024722                | Temperate                 |
|               | <i>Indosasa sinica</i>                    | NC_024721                | Temperate                 |
|               | <i>Acidosasa purpurea</i>                 | HQ337793                 | Temperate                 |
|               | <i>Arundinaria gigantea</i>               | NC_020341                | Temperate                 |
|               | <i>Arundinaria appalachiana</i>           | KC817462                 | Temperate                 |
|               | <i>Arundinaria tecta</i>                  | KC817463                 | Temperate                 |
|               | <i>Indocalamus wilsonii</i>               | NC_024720                | Temperate                 |
|               | <i>Bergbambos tessellata</i>              | KJ522748                 | Temperate                 |
|               | <i>Indocalamus sinicus</i>                | KJ531442                 | Temperate                 |
|               | <i>Chimonocalamus longiusculus</i>        | NC_024714                | Temperate                 |
|               | <i>Ampelocalamus naibunensis</i>          | NC_030767                | Temperate                 |
|               | <i>Ampelocalamus actinotrichus</i>        | MH410123                 | Temperate                 |
|               | <b><i>Ampelocalamus mianningensis</i></b> | MK393374                 | Temperate                 |
|               | <i>Oldeania alpine</i>                    | KJ531443                 | Temperate                 |
|               | <i>Gaoligongshania megalothyrsa</i>       | NC_024718                | Temperate                 |
|               | <i>Thamnocalamus spathiflorus</i>         | NC_024724                | Temperate                 |

|           |                                            |           |           |
|-----------|--------------------------------------------|-----------|-----------|
|           | <i>Bashania faberi</i>                     | NC_024713 | Temperate |
|           | <i>Indocalamus longiauritus</i>            | NC_015803 | Temperate |
|           | <i>Fargesia yunnanensis</i>                | NC_024717 | Temperate |
|           | <i>Yushania levigata</i>                   | NC_024725 | Temperate |
|           | <i>Bashania fargesii</i>                   | NC_024712 | Temperate |
|           | <i>Fargesia spathacea</i>                  | NC_024716 | Temperate |
|           | <i>Fargesia nitida</i>                     | NC_024715 | Temperate |
|           | <i>Phyllostachys edulis</i>                | NC_015817 | Temperate |
|           | <i>Phyllostachys propinqua</i>             | NC_016699 | Temperate |
|           | <i>Phyllostachys nigra</i>                 | NC_015826 | Temperate |
|           | <i>Phyllostachys sulphurea</i>             | NC_024669 | Temperate |
|           | <b><i>Ampelocalamus patellaris</i></b>     | MK393370  | Temperate |
|           | <b><i>Ampelocalamus scandens</i></b>       | MK393371  | Temperate |
|           | <b><i>Ampelocalamus luodianensis</i></b>   | MK393367  | Temperate |
|           | <b><i>Ampelocalamus hirsutissimus</i></b>  | MK393366  | Temperate |
|           | <b><i>Ampelocalamus breviligulatus</i></b> | MK393365  | Temperate |
|           | <b><i>Ampelocalamus melicoideus</i></b>    | MK393368  | Temperate |
|           | <b><i>Ampelocalamus saxatilis</i></b>      | MK393372  | Temperate |
|           | <b><i>Ampelocalamus yongshanensis</i></b>  | MK393373  | Temperate |
|           | <b><i>Ampelocalamus microphyllus</i></b>   | MK393369  | Temperate |
| Bambuseae | <i>Bambusa bambos</i>                      | NC_026957 | Tropical  |
|           | <i>Bambusa emeiensis</i>                   | NC_015830 | Tropical  |
|           | <i>Bambusa multiplex</i>                   | NC_024668 | Tropical  |
|           | <i>Bambusa oldhamii</i>                    | NC_012927 | Tropical  |
|           | <i>Bambusa arnhemica</i>                   | KJ870989  | Tropical  |
|           | <i>Bambusa ventricosa</i>                  | MH410121  | Tropical  |
|           | <i>Neohouzeaua</i> sp.                     | NC_026963 | Tropical  |
|           | <i>Dendrocalamus latiflorus</i>            | NC_013088 | Tropical  |
|           | <i>Neololeba atra</i>                      | NC_026964 | Tropical  |
|           | <i>Greslania</i> sp.                       | NC_026961 | Tropical  |
|           | <i>Hickelia madagascariensis</i>           | NC_026962 | Tropical  |
|           | <i>Merostachys</i> sp.                     | KT373815  | Tropical  |
|           | <i>Guadua chacoensis</i>                   | KT373814  | Tropical  |
|           | <i>Guadua angustifolia</i>                 | KM365071  | Tropical  |
|           | <i>Guadua weberbaueri</i>                  | NC_026991 | Tropical  |
|           | <i>Otatea glauca</i>                       | KP319243  | Tropical  |
|           | <i>Otatea acuminat</i>                     | KJ871003  | Tropical  |
|           | <i>Olmea reflexa</i>                       | NC_026965 | Tropical  |
|           | <i>Chusquea spectabilis</i>                | NC_026959 | Tropical  |
|           | <i>Chusquea circinata</i>                  | KP319241  | Tropical  |

|         |                                    |           |          |
|---------|------------------------------------|-----------|----------|
| Olyreae | <i>Chusquea liebmannii</i>         | NC_026969 | Tropical |
|         | <i>Chusquea</i> sp.                | KP319242  | Tropical |
|         | <i>Chusquea culeou</i>             | MH410122  | Tropical |
|         | <i>Buergersiochloa bambusoides</i> | KJ871000  | Tropical |
|         | <i>Eremitis</i> sp.                | KJ870992  | Tropical |
|         | <i>Pariana</i> sp.                 | KP319246  | Tropical |
|         | <i>Pariana campestris</i>          | KP319244  | Tropical |
|         | <i>Pariana radiciflora</i>         | KJ871004  | Tropical |
|         | <i>Pariana radiciflora</i>         | KP319245  | Tropical |
|         | <i>Diandrolyra</i> sp.             | KJ870991  | Tropical |
|         | <i>Rehia nervata</i>               | MH277034  | Tropical |
|         | <i>Raddia brasiliensis</i>         | KJ870998  | Tropical |
|         | <i>Olyra latifolia</i>             | KF515509  | Tropical |
|         | <i>Cryptochloa strictiflora</i>    | JX235348  | Tropical |
|         | <i>Froesiochloa boutelouoides</i>  | MH277033  | Tropical |
|         | <i>Lithachne pauciflora</i>        | KJ871002  | Tropical |

Note: Taxa in bold were newly sequenced in the present study.