**Online Supplemental Material**

**Abrupt decrease in the diversity of Euglossini bees (Hymenoptera: Apidae) in a montane rainforest**

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Figure S1. Climatic data from the Teresópolis automatic station during study time. Monthly averages of minimum (Min) and maximum (Max) temperatures, and monthly rainfall (Rain).



Table S1. Orchid species bearing scent-flowers, probably pollinated by Euglossini males, from the region of the study. Occurrence in the montane forests of the Serra dos Órgãos (“Teresópolis”) and in the study area (“PARNASO”, 900 up 1500 m of altitude).

|  |  |  |
| --- | --- | --- |
| Species | Teresópolis | PARNASO 900-1500 m |
| *Bifrenaria atropurpurea* Lindl.  | X | X |
| *Bifrenaria aureofulva* Lindl. |  |  |
| *Bifrenaria leucorrhoda* Rchb.f. |  |  |
| *Bifrenaria racemosa* (Hook.) Lindl. | X |  |
| *Bifrenaria stefanae* V.P.Castro | X | X |
| *Bifrenaria vitellina* (Lindl.) Lindl. |  |  |
| *Catasetum cernuum* (Lindl.) Rchb.f. |  |  |
| *Cirrhaea dependens* (Lodd.) Loudon |  |  |
| *Cirrhaea loddigesii* Lindl. | X |  |
| *Cirrhaea fuscolutea* Lindl. | X | X |
| *Dichaea anchorifera* Rchb.f. |  |  |
| *Dichaea cogniauxiana* Schltr. | X | X |
| *Dichaea pendula* (Aubl.) Cogn. | X | X |
| *Dichaea trulla* Rchb.f. | X |  |
| *Encyclia oncidioides* (Lindl.) Schltr. | X | X |
| *Encyclia patens* Hook. | X |  |
| *Eulophia alta* (L.) Fawc. & Rendle | X |  |
| *Gongora bufonia* Lindl. |  |  |
| *Neogardneria murrayana* (Gardner ex Hook.) Schltr. |  |  |
| *Notylia lyrata* S.Moore | X |  |
| *Promenaea stapelioides* (Link & Otto) Lindl. | X | X |
| *Promenaea xanthina* Lindl. | X | X |
| *Prosthechea widgrenii* (Lindl.) W.E.Higgins |  |  |
| *Prosthechea fragrans* (Sw.) W.E.Higgins | X | X |
| *Scuticaria hadwenii* (Lindl.) Planch. | X |  |
| *Warrea warreana* (Lodd. ex Lindl.) C.Schweinf. | X | X |
| *Zygopetalum pedicellatum* (Thunb.) Garay | X | X |