

## Identification of the pattern of heterochromatin distribution in *Passiflora* species with C-banding

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**ABSTRACT.** We tested four C-banding protocols to obtain heterochromatic bands in the passion fruit species *Passiflora edulis* and *P. cacaoensis* (Passifloraceae). Three of these protocols had been previously described. The three published protocols were not adequate to obtain C-bands in these species. An adapted protocol demonstrated heterochromatin distribution in metaphasic chromosomes of species of *Passiflora* for the first time. The differentiated coloration for C-bands was obtained with immersion of the slides in 99% ethanol, 45% acetic acid (additional step), 0.2 N hydrochloric acid, hydroxide of barium, 45% acetic acid, and 2X standard saline citrate at four different temperatures. The C-bands were observed in the satellites and in the telomere and centromere regions of all chromosomes, both in *P. edulis* and in *P. cacaoensis*.

**Key words:** Passion fruit; *Passiflora cacaoensis*; *Passiflora edulis*