**Phragmipedium longifolium**
(WARSZ. & RCHB. F.) ROLFE
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**Type:** Central America. J. WARSZEWICZ s.n. (holotype, W).

**Illustrated specimen:** Colombia. Valle del Cauca, Municipality of Buenaventura, Quebrada Penicos, 300 m. November 2017. Juan Sebastian Moreno 402 (CAUP; LCDP voucher).

Epiphytic, caespitose herb, up to 50 cm tall including the inflorescence. Leaves linear to lanceolate, glabrous, margins finely revolute, emarginate, oblique, 15–45 × 2–5 cm. Inflorescence a spicate raceme, 30–40 cm tall, with 3 to 6 consecutive flowers; floral bracts lanceolate, 7–8 cm long. Flowers green to yellow with purple veins in the sepals, the base of the petals green, becoming purple towards the apex, the margins white in the basal half, the lip green spotted with brown. Dorsal sepal lanceolate, glabrous, reflexed, undulate, obtuse, 4.5 × 2.0 cm. Sympetal ovate, undulate, obtuse, 4.5 × 3.0 cm, glabrous. Petals linear, obtuse, undulate at the base, curved towards the apex, 75–80 × 7.0–7.5 mm. Lip deeply saccate, glabrous on the abaxial surface, with white trichomes in the base of the adaxial surface, with two auriculate lobes, 4.6 × 1.8 cm. Column 6.5 mm long, the staminode rhomboidal, covered with dark purple trichomes on the upper margins, 4.5 × 6.0 mm; stigma ca. 5 × 6 mm, hidden by the staminode, covered by small papillae. Anthers bacillar; 2.5–3.0 mm long. Pollen masses granulose, 2.5–3.0 mm long.

**Phragmipedium longifolium** is recognized by its lithophytic habit, growing mostly in wet rocks close to creeks or waterfalls, the linear leaves, large flowers with a saccate lip and linear, spreading petals no much longer than the lip.

Most species of *Phragmipedium* can be found growing on middle to high elevations, but *P. longifolium* can grow near the sea level. This species is pollinated by a syrphid fly attracted to the flower by a brood-site deception. The insects approach the flowers looking for a place to lay their eggs and eventually fall inside the lip and remove the pollen masses when trying to exit the flowers.

**References:**
