

Telipogon antisuyuensis Nauray & A. Galán, **sp. nov.**

Type: PERU. **Cusco:** Calca, Valle de Lares, Mant'o, 12° 59' 4.8" S, 72° 03' 45.8" W, 2564 m, 15 Feb. 2007, W. Nauray, R. Titto & T. Espinoza 3754 (holotype, CUZ; isotypes, HGI, MOL).

Illustrations: Figs. 2 and 3a.

Speciei Telipogon papilio Rchb. fil. Warsz *similis, ab ea vero praesertim differens callo conspicuo atque apice columnae setis acuminatis praedito.*

Plant caespitose, epiphytic, about 15 cm tall. Stem to 4 cm, with few basal leaves. Leaves oblanceolate to obovate-lanceolate, acuminate, margin entire, sheath articulated with the blade, 5-8 × 1.2-2 cm. Inflores-

cence and peduncle 5-10 cm long; peduncle alate, erect or recurved; raceme with 2-4 flowers, usually 1-2 open at a time; floral bract ovate-triangular, acuminate, dorsally carinate, 1.2×1 cm. Flowers large 4.5-5 cm in diameter, normally resupinate; pedicellate ovary to 4 cm long, tri-lobate; sepals 25×10 mm, lime green with dark green veins, ovate-lanceolate, acuminate, dorsally alate, 3-nerved; petals 25×22 mm, whitish turning lemon yellowish towards the margin with thick longitudinal purple veins and some transversal purple basal veins, broadly obovate-rhombic, obtuse, 13 to 15-nerved; lip 25×30 mm, similar in colour to petals, transversely elliptic, obtuse, 23-25-nerved; callus conspicuous, 7×8 mm, dark purple, cordiform, hirsute, completely attached to the lip base. Column 6×6 mm, dark purple, cylindric, with three tufts of bristles surrounding the anther (two lateral and one at the top), the rest of the surface hirsute; bristles to 3.5 mm long, dark purple, rigid, acuminate, margin microscopically ciliolate; stigma circular or broadly hexagonal; anther 3×3 mm, hyaline, cordiform; stipe to 4 mm long, hyaline; viscidium 1 mm long, purple, hyaline, uncinat; pollinia 4, bright yellow, in two dissimilar pairs, ovoid, larger pair 2×1 mm.

Etymology: Named after Antisuyu, the name in Quechua or Runa Simi for the Eastern Andean region of Peru during the Inca Empire.

Distribution and ecology: *Telipogon antisuyuensis* grows between 2500 and 3400 m elevation in cloud forests, on *Alnus acuminata* Kunth (Betulaceae), *Baccharis* sp. (Asteraceae), *Cyathea pallescens* Domin (Cyatheaceae), *Clusia* sp. (Clusiaceae), *Hedyosmum* sp. (Chloranthaceae), *Miconia* sp. (Melastomataceae), and *Myrsine* sp. (Myrsinaceae). It flowers between February and June.

Additional specimens examined (paratypes)

PERU. **Cusco:** Urubamba, Huiñay Hayna, 2550 m, 9-III-1944, C. Vargas 4140a (CUZ). Urubamba, Wiñay Wayna, 30-VI-1990, P. Núñez, A. Rodríguez & B. Collantes 12390 (CUZ). Urubamba, Machu Picchu, Wiñay Wayna, $13^{\circ}11'38''\text{S}$ $72^{\circ}31'17''\text{W}$, 2810 m, 30-III-2007, W. Nauray & M. Mamani 3757 (CUZ) ibidem, $13^{\circ}11'23''\text{S}$ $72^{\circ}31'10''\text{W}$, 2654 m, 31-III-2007, W. Nauray & M. Mamani 3760 (HGI). La Convención, Carrizales, $13^{\circ}06'13''\text{S}$ $72^{\circ}22'23''\text{W}$, 3400 m, 11-IV-2007, W. Nauray & W. Farfán 3762 (CUZ).

Observations: Specimens of this new species have previously been misidentified as *T. papilio* Rchb. f. & Warsz. (e.g. Vargas 4140a; Núñez 12390). Examination of the holotype of *T. papilio* (W!) shows it to be a distinct species that is not currently known from southern Peru. *Telipogon antisuyuensis* differs from the former in the transverse elliptical lip; the callus conspicuous, cordiform and hirsute, and the column bristles with an acuminate apex. *Telipogon antisuyuensis*

is close to *T. vasquezii* Dodson (holotype SEL!) from Bolivia, but differs in the high number of petal nerves, the larger and transverse lip, and the column bristles not bifid at the apex. *Telipogon antisuyuensis* is similar to other species of Peru, Ecuador and Colombia but differs in the size of flowers, the nerve number of the petals and the lip, and the presence of callus. *Telipogon rhombipetalus* C. Schweinf. (holotype F!) has smaller flowers, the petals 15 to 16-nerved, and the lip 19-nerved without callus. *Telipogon semipictus* Rchb. f. ex Kraenzl. (holotype W!) has smaller flowers lacking callus but with the swollen base, the petals 11-nerved, and the lip 17-nerved. *Telipogon ortizii* Dodson & R. Escobar also lacks a callus and has smaller flowers, and concolorous purple petals, not whitish turning lemon yellowish towards the margin.