

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

Type: PERU. **Cusco:** Paucartamabo, Kosñipata, Tres Cruces-Acjanaco, National Park of Manu, 13° 9' 49" S, 71° 37' 57" W, 3471 m, 25 Apr. 2007, W. Nauray & M. Mamani 3768 (holotype, CUZ; isotypes, HGI, MA, MOL).

Illustrations: Fig. 13 and 10d.

Speciei Telipogon phutapatamarcensis W. Galiano, P. Núñez & A. Tupayachi *similis, ab ea vero praesertim differens lateralibus petalis atque labello venis purpurascens, marginem versus ramificatis, transversisque lineolis item purpurascens ornatis et columna longis pilis cooperta.*

Plant caulescent, terrestrial, about 40 cm tall. Stem 30 cm long, erect, leafy throughout. Leaves 3 × 1 cm, ovate-lanceolate, acuminate, margin erose, sheath not articulated with the blade. Inflorescence and peduncle 12 cm long; peduncle cylindric, flexuous; raceme with 5-12 flowers, usually one open at a time; floral bract 0.7 × 0.5 cm, ovate-triangular, conduplicate, acute. Flowers 1.5 cm in diameter, normally resupinate; pedicellate ovary 10-15 mm long, tricarinate; sepals 7 × 4 mm, pale lemon green with veins and apical spots purplish, ovate, acuminate, concave, 3-nerved; petals 8 × 6 mm, pale lemon yellow with veins ramified toward the margin and transverse lines purplish, obovate-rhombic, obtuse, basal margin ciliolate, 9-nerved; lip 8.5 × 5.5 mm, similar in colour to the petals, obovate, obtuse, basal margin ciliolate, 7 to 9-nerved; callus 3 × 3 mm, purplish, conical-sagittate, obtuse, with a hirsute knob in the front, the apical half free from the lip. Column 2.5-3 × 4-4.5 mm, purplish, trilobulate in the part that surrounds the anther, covered with long recurved or flexuous long pale purple hairs; stigma quadrangular; anther 1.25 × 1.5 mm, hyaline purple, cordiform; stipe 1 mm long, hyaline purple; viscidium 0.5 mm long, hyaline orange, uncinate; pollinia 4, bright yellow, in two dissimilar pairs, ovoid, larger pair 1 × 0.5 mm.

Etymology: Named in honor of M. Sc. Alfredo Tupayachi Herrera, professor and botanist at the Universidad Nacional de San Antonio Abad del Cusco.

Distribution and ecology: *Telipogon tupayachii* grows in the limit between the elfin forests and the humid Puna (3400 m), with *Clethra* sp. (Clethraceae), *Diplostegium* sp., *Gynoxis* sp. (Asteraceae), *Myrsine* sp. (Myrsinaceae), and *Weinmannia microphylla* Kunth (Cunoniaceae); it flowers in April.

Observations: *Telipogon tupayachii* differs to *T. phuyupatamarcensis* W. Galiano, P. Núñez & A. Tupayachi (holotype CUZ!) in the petals and lip with purplish veins branched towards the margin and transverse purplish lines, the sagittate-conical callus and the column with longer and denser hairs. Material of *T. tupayachii* was included in the holotype material of *T. phuyupatamarcensis*. The flowers of *T. tupayachii* are reminescent of the genus *Trichoceros* Kunth, but the plants are caulescent without pseudobulbs.