

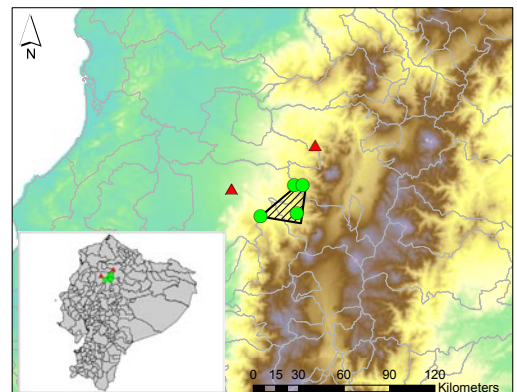
New records of the endangered *Pristimantis eugeniae* (Lynch and Duellman, 1997) (Anura: Strabomantidae) from Ecuador

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Strabomantid frogs form a group of Neotropical amphibians with currently more than 572 recognized species, wherein one of the highest diversity can be found in Ecuador (164 species, including 144 species of the genus *Pristimantis*, AmphibiaWeb 2011). Species new to science are described frequently from this region (Coloma, 2005-2007), but many *Pristimantis* species are either poorly known (11.2% of the 134 species listed by IUCN are classified as 'data deficient') or threatened (55.2 %). *Pristimantis eugeniae* was described by Lynch and Duellman in 1997 based on nine specimens collected at three localities covered with cloud forest in the valley of the Río Pilatón in the Provincia Pichincha in the western slopes of the Andes at elevations between 1700 m and 2010 m above sea level (Fig. 1; Quebrada Zapadores, 5 km ESE Chiriboga, 2010 m above sea level, 00°14' S, 78°45' W; Reserva Florística-Ecológica Río Guajalito, near Las Palmeras, 1800 m above sea level, 00°14' S, 78°48' W; 6.3 km E Tandapi, 1700 – 1750 m above sea level). Later, Guayasamin et al. (2004) extended the voucher series of the species with material collected at the Bosque Integral Otonga reserve (00°25' S, 79°00' W) and provided data regarding its natural history. So far, *P. eugeniae* is only known from these four localities and is currently listed as endangered by IUCN due to its small range and likely anthropogenic habitat destruction (Coloma et al., 2004).

During a revision of strabomantid frogs housed in the collection of the MHNG, Geneva, Switzerland, we detected three further specimens of *P. eugeniae*: one adult female (MHNG 2723.80) collected by G. Onore in

the Santo Domingo area near the Toachi River (labelled as Sto. Domingo de Los Colorados, approx. 00°15' S, 79°10' W), Provincia Pichincha, during February 1984, one adult female (MHNG 2723.78, transferred to ZFMK 91711) collected by L.A. Coloma at Tandayapa (00°00' S, 78°40' W), Cazar Santiago, Provincia Pichincha during December 1986 and one adult female (MHNG 2723.79) collected by G. Onore near Tandapi (00°24' S, 78°47' W), Provincia Pichincha during October 1984 (Fig. 2). Sex of the specimens was determined by the absence of vocal slits, which are only present in males (Lynch and Duellman, 1997). The two former records extend the known range of *P. eugeniae* approximately 30 km northward and westward and largely increase the species' minimum area of occupancy (*sensu* Gaston and Fuller, 2009), which was among others used to determine the threat status of species (Coloma et al., 2004).



Legend
● *P. eugeniae*
▲ *P. eugeniae* new
▨ range (IUCN)
□ 2nd order divisions
Altitude [m asl]
High : 6074.000000
Low : -28.000000

Figure 1. Known range of *Pristimantis eugeniae* in Ecuador in terms of previous samples (green dots) and expert opinion (hatched area, Coloma et al., 2004). The two new records provided within this study are indicated as red triangles. The insert shows the relative location in Ecuador.

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Figure 2. New specimens of *Pristimantis eugeniae* mentioned in the text (from left to right: ZFMK 91711, MHNG 2723.79 MHNG 2723.80).

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