

Aenigma are strikingly similar. Species of both share a creeping rhizome, echinate to papillose and trivalvate ovaries, an entire to triblobed lip, and a footless column with a dilated apex and apical anther. Also, the lip in some species of subgenus *Aenigma* surrounds the column or nearly so, as in *Andinia* (Luer, 1994, 2000). The genus is primarily Andean, ranging from Colombia to Bolivia.

Andinia (Luer) Luer, *Ic. Pleurothallid.* 20: 5. 2000.

TYPE: *Andinia dielsii* (Mansf.) Luer, *Ic. Pleurothallid.* 20: 5. 2000.

Pleurothallis R.Br. subgenus *Aenigma* Luer, *Ic. Pleurothallid.* 3: 26. 1986.

Andinia dalstroemii (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis dalstroemii* Luer, *Orchideer* 5: 52. 1984.

Note: This species was redescribed by Luer in *Ic. Pleurothallid.* 11: 54. 1994.

Andinia hystricosa (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis hystricosa* Luer, *Ic. Pleurothallid.* 11: 54. 1994.

Andinia ibex (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis ibex* Luer, *Selbyana* 5: 168. 1979.

Andinia lappacea (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis lappacea* Luer, *Ic. Pleurothallid.* 20: 129. 2000.

Andinia panica (Luer & Dalström) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis panica* Luer & Dalström, *Ic. Pleurothallid.* 14 (Addenda): 6. 1996.

Andinia pentamytera (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis pentamytera* Luer, *Ic. Pleurothallid.* 11: 58. 1994.

Andinia pogonion (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis pogonion* Luer, *Ic. Pleurothallid.* 11: 61. 1994.

Andinia schizopogon (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis schizopogon* Luer, *Selbyana* 5: 179. 1979.

ANDINIA

Partially on the basis of our unpublished results from DNA sequencing, Luer (2000) segregated subgenus *Andinia* Luer from *Salpistele* Dressler and raised it to generic rank, encompassing two species—*Andinia dielsii* (Mansf.) Luer and *A. pensilis* (Schltr.) Luer.

Since the submission of the broad phylogenetic study (Pridgeon, Solano, and Chase, 2001), we sequenced material of *Pleurothallis lappacea* of subgenus *Aenigma* Luer and reanalyzed the large ITS matrix of that study using the same protocol but including *P. lappacea*. It was sister to *Andinia pensilis* with 99% bootstrap support (Fig. 2). Accordingly, we have expanded the concept of *Andinia* here to include *P.* subgenus *Aenigma*.

Morphologically, *Andinia* and *P.* subgenus

Andinia trimytera (Luer & R.Escobar) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis trimytera* Luer & R.Escobar, *Orquideología* 16: 34. 1983.

Andinia vestigipetala (Luer) Pridgeon & M.W.Chase, **comb. nov.**

Basionym: *Pleurothallis vestigipetala* Luer, *Selbyana* 3: 404. 1977.