**Table S1.** Taxonomic overview of *P. delavayi*, *P. siphonantha* and its allies.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Maximowicz (1888)** | **Prain (1890)** | **Bonati (1908-1921)** | **Li (1949)** | **Tsoong (1953-1963)** | **This study** |
| ***P. siphonantha* D.Don*****P. delavayi* Franch. ex Maxim*****P. sigmoidea* Franch. ex Maxim.****.** | ***P. siphonantha* D.Don****var. *siphonantha*****α. "vera"****β. "Hookeriana-himalayca"**syn.: *P. hookeriana* Wall., *P. himalayca* Klotzsch**var. *brevituba* Prain****γ. "Elephas"**syn.: *P. elephas* Boiss.**δ. "punctata"**syn.: *P. punctata* Dene., *P. labellata* Boiss. (not Jacquem. ex Decne. 1844)***P. delavayi* Franch. ex Maxim*****P. sigmoidea* Franch. ex Maxim.**  | ***P. siphonantha* D.Don****var. *siphonantha*****var. *birmanica* Bonati** **var. *prostrata* Bonati** ***P. dolichantha* Bonati*****P. fastigiata* Franch.*****P. humilis* Bonati*****P. sigmoidea* Franch. ex Maxim.** | ***P. delavayi* Franch. ex Maxim.*****P. dolichantha* Bonati*****P. dolichosiphon* (Hand.-Mazz.) H.L.Li**Syn.: *P. siphonantha* var. *dolichosiphon* Hand.-Mazz.***P. fastigiata* Franch.*****P. humilis* Bonati*****P. leptosiphon* Li*****P. sigmoidea* Franch. ex Maxim.*****P. tenuituba* Pennell & Li*****P. variegata* Li** | ***P. siphonantha* D.Don****subsp. *siphonantha*****subsp. *prostrata* (Bonati) P.C. Tsoong**syn: *P. siphonantha* var. *prostrata* Bonati***P. siphonantha* var. *delavayi* (Franch. ex Maxim.) P.C.Tsoong**syn.: *P. delavayi* Franch. ex Maxim.***P. dolichantha* Bonati*****P. fastigiata* Franch.*****P. humilis* Bonati*****P. leptosiphon* Li*****P. sigmoidea* Franch. ex Maxim.*****P. tenuituba* Pennell & Li*****P. variegata* Li**  | ***P. siphonantha D.Don*****var. *siphonantha*****var. *prostrata* Bonati**syn: *P. siphonantha* subsp. *prostrata* (Bonati) P.C. Tsoong***P. delavayi* Franch. ex Maxim.**syn.: *P. siphonantha* var. *delavayi* (Franch. ex Maxim.) P.C.Tsoong***P. dolichantha* Bonati*****P. dolichosiphon* (Hand.-Mazz.) H.L. Li**Syn.: *P. siphonantha* var. *dolichosiphon* Hand.-Mazz.***P. fastigiata* Franch.*****P. humilis* Bonati**syn.: *P. siphonantha* var. *birmanica* Botani (syn. nov.)***P. leptosiphon* Li*****P. sigmoidea* Franch. ex Maxim.*****P. tenuituba* Pennell & Li**syn.: *P. siphonatha* var. *stictochila* W.B.Yu & H.Wang (syn. nov.)***P. variegata* Li** |