Table S1. Names of bromeliad taxa cited in previous investigations of photosynthetic pathway that are now placed in synonymy, or for which citations in these references are identified as transcription errors. All of these taxa were sampled as part of the present study and are listed in Table 1 under their accepted names.

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| Taxon | Reference | Accepted name |
| Tillandsioideae |  |  |
| *Guzmania minor* Mez | Bierhuizen *et al.* (1984) | *Guzmania lingulata* (L.) Mez var. *concolor* Proctor & Cedeño-Mald. |
| *Tillandsia adpressa* André | Medina (1974); Medina & Troughton (1974) | *Racinaea adpressa* (André) J.R.Grant |
| “*Tillandsia* *boyoides*” (as cited in Martin, 1994) | H. Griffiths, H.S.J. Lee and J.A.C. Smith, unpubl. (cited in Martin, 1994) | *Tillandsia bryoides* Griseb. ex Baker |
| *Tillandsia duidae* L.B.Sm. | Medina (1974) | *Vriesea duidae* (L.B.Sm.) Gouda |
| *Tillandsia* *jenmanii* Baker | Medina (1974) | *Racinaea jenmanii* (Baker) M.A.Spencer & L.B.Sm. |
| *Tillandsia* *spiculosa* Griseb. | Medina (1974); Medina & Troughton (1974); Griffiths & Smith (1983); Smith *et al.* (1985) | *Racinaea spiculosa* (Griseb.) M.A.Spencer & L.B.Sm. |
| *Tillandsia* *stenoglossa* L.B.Sm*.* | Medina (1974) | *Racinaea spiculosa* var. *stenoglossa* (L.B.Sm.) M.A.Spencer & L.B.Sm. |
| *Tillandsia* *tenuispica* André | Medina (1974) | *Racinaea tenuispica* (André) M.A.Spencer & L.B.Sm. |
| *Tillandsia* *tetrantha* Ruiz & Pav. | Medina (1974) | *Racinaea tetrantha* (Ruiz & Pav.) M.A.Spencer & L.B.Sm. |
| *Tillandsia* *valenzuelana* A.Rich. | Loeschen *et al.* (1993) | *Tillandsia variabilis* Schltdl. |
| *Vriesea* *amazonica* (Baker) Mez ex Mart. | Griffiths & Smith (1983); Griffiths *et al.* (1986); Smith *et al.* (1986) | *Werauhia gigantea* (Mart. ex Schult. & Schult.f.) J.R.Grant |
| Hechtioideae |  |  |
| “*Hechtia marmaria*” (as cited in Martin, 1994) | H. Griffiths, H.S.J. Lee and J.A.C. Smith, unpubl. (cited in Martin, 1994) | (*Hechtia meziana* L.B.Sm.) = *Hechtia* *rosea* E.Morren ex Baker |
| Navioideae |  |  |
| *Cottendorfia guianensis* (Beer) Klotzsch ex Baker | Medina (1974) | *Lindmania guianensis* (Beer) Mez |
| *Navia reflexa* L.B.Sm. | Medina (1974); Medina *et al.* (1986) | Brewcaria reflexa (L.B.Sm.) B.Holst |
| Pitcairnioideae |  |  |
| *Abromeitiella chlorantha* (Speg.) Mez | H. Griffiths, H.S.J. Lee and J.A.C. Smith, unpubl. (cited in Martin, 1994) | *Deuterocohnia brevifolia* (Griseb.) M.A.Spencer & L.B.Sm. |
| “*Abromeitiella lattese*” (as cited in Martin, 1994) | H. Griffiths, H.S.J. Lee and J.A.C. Smith, unpubl. (cited in Martin, 1994) | *Deuterocohnia lotteae* (Rauh) M.A.Spencer & L.B.Sm. |
| Puyoideae |  |  |
| *Puya copiapina* Phil. | Medina *et al.* (1977) | *Puya boliviensis* Baker |
| “*Puya vallo-greigensis*” (as cited in Martin, 1994) | H. Griffiths, H.S.J. Lee and J.A.C. Smith, unpubl. (cited in Martin, 1994) | *Puya vallo-grandensis* Rauh |
| *Puya werdermannii* Harms | Griffiths (1984) | *Puya humilis* Mez |
| **Bromelioideae** |  |  |
| *Aechmea marmorata* (Lem.) Mez ex Mart. | Coutinho (1969) | *Quesnelia marmorata* (Lem.) Read |
| *Ananas sativus* Schult. & Schult.f. | Milburn *et al.* (1968) | *Ananas comosus* (L.) Merr. |
| *Billbergia thyrsoidea* Mart. ex Schult. & Schult.f. | Bendrat (1929) | *Billbergia pyramidalis* (Sims) Lindl. |
| *Billbergia venezuelana* Mez | Medina & Troughton (1974) | Billbergia rosea Beer |
| *Bromelia plumieri* (E.Morren) L.B.Sm. | Griffiths & Smith (1983); Griffiths *et al.* (1986); Smith *et al.* (1986); Mooney *et al.* (1989) | Bromelia karatas L. |
| *Canistrum cyathiforme* (Vell.) Mez | Coutinho (1963) | Wittrockia cyathiformis (Vell.) Leme |
| *Canistrum lindenii* Mez ex Mart. var. *roseum* (E.Morren) Reitz | Medina *et al.* (1977) | Edmundoa lindenii (Regel) Leme var. rosea (E.Morren) Leme |
| *Cryptanthus diversifolius* Beer | Dittrich *et al.* (1973) | Cryptanthus bromelioides Otto & A.Dietr. |
| *Nidularium billbergioides* (Schult. & Schult.f.) L.B.Sm. | Lauwers & Temmerman (1988) | Canistropsis billbergioides (Schult. & Schult.f.) Leme |
| *Nidularium burchellii* (Baker) Mez | Benzing & Friedman (1981) | *Canistropsis burchellii* (Baker) Leme |
| *Streptocalyx floribunda* (Mart. ex Schult. & Schult.f.) Mez ex Mart. | Medina *et al.* (1977) | Aechmea floribunda Mart. ex Schult. & Schult.f. |
| *Streptocalyx poeppigii* Beer | Medina *et al.* (1977) | *Aechmea vallerandii* (Carrière) Erhardt, Götz & Seybold |
| *Wittrockia campos-portoi* L.B.Sm. | Medina *et al.* (1977) | Nidularium campos-portoi (L.B.Sm.) Leme |