



SHORT COMMUNICATION

×*Phelodia*, a new nothogenus in Australian OrchidaceaeJürgen Kellermann^{a,b} & Anna Monro^c^a State Herbarium of South Australia, Botanic Gardens and State Herbarium, Hackney Road, Adelaide, South Australia 5000

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Hybrids between the Australian orchid species *Glossodia major* R.Br. and *Caladenia deformis* R.Br. are known under the name ×*Glossadenia tutelata* (R.S.Rogers) Kellermann, and placed in the nothogenus ×*Glossadenia* Kavulak (Kellermann & Monro 2021). If however a narrower concept of *Caladenia* R.Br. is used, with the segregate genus *Pheladenia* D.L.Jones & M.A.Clem. recognised as distinct, the second parent species is to be treated as *Pheladenia deformis* (R.Br.) D.L.Jones & M.A.Clem. There are currently no validly published nothogeneric or nothospecific names available for the hybrid taxon using this parental circumscription.

The *International Code of Nomenclature for algae, fungi, and plants* (ICN; Turland *et al.* 2018) states that the nothogeneric name of a bigeneric hybrid is a condensed formula combining the names adopted for each parental taxon (ICN Art. H.6.2). If the name adopted for a parent genus changes, then the nothogeneric name has to follow (ICN Art. 8.1, H.6 Ex. 3).

While some publications still retain the traditional broader circumscription of *Caladenia*, the major Australian herbaria are now generally accepting *Pheladenia*. Hence, it is necessary to publish both a new nothogeneric name for hybrids between *Pheladenia* and *Glossodia* R.Br. and a new combination for the included nothospecies.

The complex history of the nothogenus (as ×*Glossadenia* Kavulak) was discussed in Kellermann & Monro (2021). Jeanes (Jeanes & Backhouse 2006) and Shaw (2014) have previously attempted to publish a nothogeneric name for hybrids between *Pheladenia* and *Glossodia*, both using the name “×*Glossadenia*”. However, as these authors published later homonyms of ×*Glossadenia* Kavulak, their names cannot be used.

×*Phelodia* Kellermann, *nothogen. nov.*

×*Glossadenia* Kavulak, *Austral. Nat. Orch. Hybr. Guide* 7 (1986). — Stated parentage: *Glossodia* R.Br. × *Caladenia* R.Br.

×*Calassodia* M.A.Clem. ex D.L.Jones, *Nat. Orchids Austral.* 621 (1988). — Stated parentage: *Caladenia* R.Br. × *Glossodia* R.Br.

×*Calassodia* M.A.Clem., *Austral. Orchid Res.* 1: 33 (1989), isonym. — Stated parentage: *Caladenia* R.Br. × *Glossodia* R.Br.

×*Glossadenia* Jeanes in Jeanes & G.N.Backhouse, *Wild Orchids Vic. Austral.* 124 (2006), *non* Kavulak (1986) [later homonym]. — Stated parentage: *Glossodia* R.Br. × *Pheladenia* D.L.Jones & M.A.Clem.

×*Glossadenia* J.M.H.Shaw, *Quart. Suppl. Int. Reg. Orchid Hybr. (Sander's List)* 122(1305): 16 (2014), *non* Kavulak (1986) [later homonym]. — Stated parentage: *Glossodia* R.Br. × *Pheladenia* D.L.Jones & M.A.Clem.

Parentage statement. A bigeneric hybrid between *Pheladenia* D.L.Jones & M.A.Clem. and *Glossodia* R.Br.

Etymology. The name is a combination of parts of the names of the two genera that are parents of this hybrid taxon, i.e. *Phel[adenia]* and [*Gloss*]odia.

×*Phelodia tutelata* (R.S.Rogers) Kellermann, *comb. nov.*

Caladenia ×*tutelata* R.S.Rogers, *Trans. Proc. & Rep. Roy. Soc. South Australia* 31: 211 (1907), *pro sp.* — ×*Calassodia tutelata* (R.S.Rogers) M.A.Clem., *Austral. Orchid Res.* 1: 33 (1989). — ×*Glossadenia tutelata* (R.S.Rogers) Kellermann in Kellermann & A.M.Monro, *Swainsona* 35: 39 (2021). — **Type citation:** “discoveries on August 24 of this year” [1907]. **Lectotype:** Blackwood, 24 Aug. 1907, *E. Ashby s.n.* (AD97522357), *vide* Kellermann & A.M.Monro,

Swainsona 35: 39 (2021). **Isolectotype:** Blackwood, 24 Aug. 1907, [*E.*] *Ashby s.n.* (AD97522358A).

×*Glossadenia tutelata* Kavulak, *Austral. Nat. Orch. Hybr. Guide* 7 (1986), *nom. nud. & inval.*

×*Calassodia tutelata* D.L.Jones, *Nat. Orchids Austral.* 621 (1988), *nom. inval.*

Glossodia ×*tutelata* M.W.Harrison & M.J.G.Corrigan, *Checkl. Austral. Nat. Orch. Hybr. Ed.* 5, 24, 61 (1993), *nom. inval.*

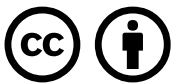
×*Glossadenia tutelata* Jeanes in Jeanes & G.N.Backhouse, *Wild Orchids Vic. Austral.* 124 (2006), *nom. inval.*

Parentage statement. A hybrid between *Pheladenia deformis* (R.Br.) D.L.Jones & M.A.Clem. and *Glossodia major* R.Br.

Note. The history, typification and etymology of the name were discussed by Kellermann & Monro (2021). Detailed descriptions and illustrations of the nothospecies can be found in Entwisle (1994) (as ×*Calassodia tutelata*) and Jones (2021: 211) (as ×*Glossadenia tutelata*).

References

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- Jones, D.L. (2021). *A complete guide to native orchids of Australia*, 3rd edn. (Reed New Holland: Wahroonga).
- Kellermann, J. & Monro, A. (2021). Validation of two names of Australian orchids. *Swainsona* 35: 39–42.
- Shaw, J.M.H. (2014). *Quarterly supplement to the international register and checklist of orchid hybrids (Sander's List): October–December 2013 registrations*. (Royal Horticultural Society: London). [Distributed with *The Orchid Review* 122(1305), Mar. 2014].
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