

Data Collection on Intergeneric Hybrids and Basic Types

ANGIOSPERMAE

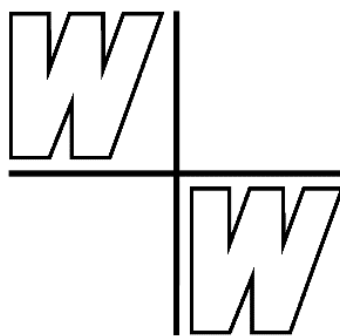
Orchidaceae

orchids = Orchideen

Herfried Kutzelnigg

with the assistance of Benjamin Scholl

version 2 01.10.2026



Studiengemeinschaft Wort und Wissen

<https://www.wort-und-wissen.org/artikel/data-collection-basic-types/>

ANGIOSPERMAE: Orchidaceae

5 subfamilies, 26 tribes, 880 genera, 26000 species

Summary:

675 intergeneric hybrids, in 1 family.

9 preliminary basic types (average species number per bt: $13866 / 9 = 1.541$ species)

Basic type level: 6 subtribe/tribe, subfam. 3.

Orchidaceae subfam. Apostasioideae 2: 16. 0 IG

Orchidaceae subfam. Cypripedioideae 5: 171. 3 IG

Orchidaceae subfam. Epidendroideae tribes Arethuseae + Collabieae + Epidendreae p. p. + Sobralieae 83: 3180. 147 IG (incl. 5 IT)

Orchidaceae Epidendroideae tribe Cymbidieae 150: 1800. 295 IG

Orchidaceae Epidendroideae Malaxideae subtribe Dendrobiinae 2: 3900. 1 IG

Orchidaceae Epidendroideae tribe Vandeae 160: 1950. 159 IG

Orchidaceae Orchidoideae tribe Cranichideae p. p. 49: 500. 25 IG

Orchidaceae Orchidoideae tribe Orchideae 84: 2100. 37 IG

Orchidaceae subfam. Vanilloideae 15: 249. 0 IG

Abbreviations:

° = taxa actually not accepted in the rank of a genus, e. g. *Cerasus*° (= *Prunus* p. p.)

10: 50 etc. The numbers behind the names of families etc. refer to extant genera and species

IS = interspecific hybrid. IG = intergeneric hybrid. IST = intersubtribal hybrid.

IT = intertribal hybrid. ISF = intersubfamilial hybrid.

nat. hyb. = natural hybrid art. hyb. = artificial hybrid

IK = Index Kewensis (now part of IPNI). IPNI = International Plant Names Index.

POWO = Plants of the World Online.

Colors within the crosses:

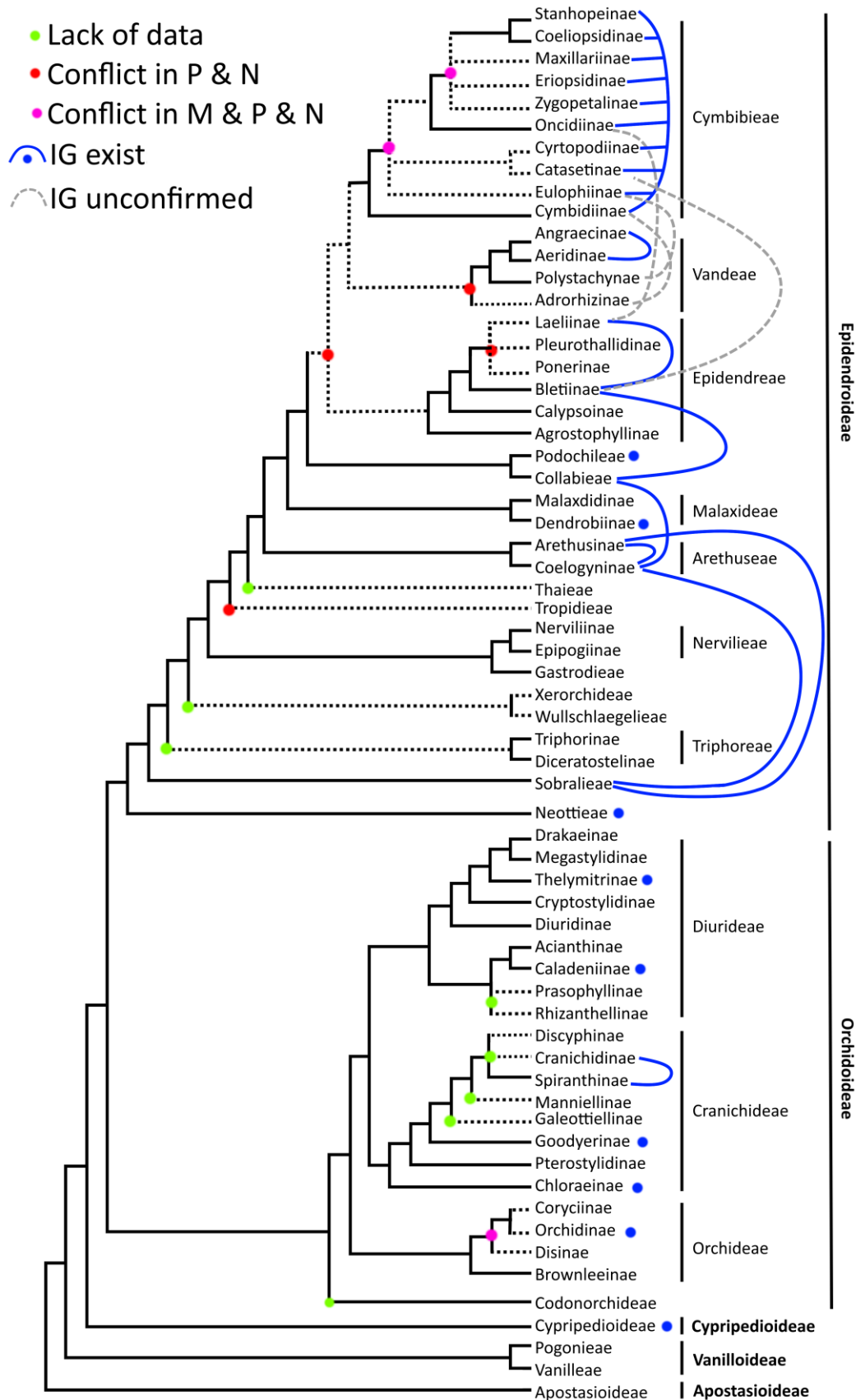
Red letters: intergeneric hybrids.

Violet letters: plurigeneric hybrids.

Gray letters: hybridity unconfirmed or erroneous.

Green letters: notes on the tribes, subfamilies etc. involved in the hybridization.

Yellow shaded: notes concerning basic types.



Orchidaceae: intergeneric hybrids (IG) in a modern phylogeny of Wang Y et al. (2024, Tabl. 1) <https://doi.org/10.1016/j.pld.2024.05.002>). In some cases, there are conflicts between different molecular genetic studies: (M = Mitochondrial, P = Plastid, N = Nuclear Dataset).

Orchidaceae (Asparagales) 880: 26.000. (675 IG incl. IT)

orchids = Orchideen

Systematics (subfamilies, tribes and generic names) according to AP website 2025, subtribes according to en.wikipedia 2025. The subdivision of the family is still matter of debate, and many subgroups have been shifted from one tribe to the other in the last decades. But the following 5 families are now generally accepted.

5 subfamilies:

Apostasioideae 2: 16.

Cypripedioideae 5: 171; 2 tribes.

Epidendroideae 650: 22000; 16 tribes.

Orchidoideae 204: 3800; 3 tribes.

Vanilloideae 15: 249; 2 tribes.

Orchidaceae consist of some 880 genera and 26000 species, thus they belong to the largest families of angiosperms in terms of species richness, similar to Asteraceae (1620 genera, 25000 species).

In no family are more interspecific and intergeneric hybrids known. The officially registered number of hybrids is more than 100000. The main reason for this richness is the easy crossability of most taxa and the enormous commercial interest of orchids for horticultural purposes.

For basic type studies, intergeneric hybrids are of special interest. Differing from the majority of other families not only bigeneric hybrids, i.e. those connecting 2 hybrid genera, are known but also plurigeneric hybrids with 3 or more genera involved.

One of the records is a hybrid in which 8 genera are involved, reported in Cymbidieae subtribe Zygopetalinae: *Aganisia* × *Batemannia* × *Otostylis* × *Pabstia* × *Promenaea* × *Warczewiczella* × *Zygopetalum* × *Zygosepalum* → × *Rosstuckerara*.

More than 2000 of these plurigeneric hybrids have been registered. *Cattleya* e.g. is involved in more than 300 plurigeneric hybrids. These complex hybrids are normally not of interest for basic types, because the hybrid connections are in most cases known. Therefore, we only list bigeneric hybrids here (with few exceptions).

Currently, the number of 675 intergeneric hybrids in Orchidaceae is by far the highest of all families of plants and animals. Of course, this number depends on the number of accepted genera, and in this respect dramatic changes have been made in the orchid family in the last years, leading to a notable reduction of the formal number of intergeneric hybrids and downgrading former intergeneric hybrids to an interspecific rank. Anyway, this is not of interest for basic type studies.

Please note that for practical purposes the scientific names of the hybrid genera (nothogenera) as well as the author and other details of the publication are not listed in this paper (with some exceptions). But these data can easily be found in e.g. Betts 2025 as for the nothogenus names, and in e.g. IPNI or POWO for all other data.

Interspecific hybrids are omitted here since they are not important for basic type studies in Orchidaceae.

I wish to thank Irene Gerlach (now Neuland) who was the first to collect data of intergeneric hybrids in Orchidaceae with respect to basic type studies from 1995 to 1998.

Apostasioideae 2: 16.

Apostasia 8, *Neuwiedea* 8.

Probably basic type Orchidaceae Apostasioideae (2: 16) because of its isolated position and monophyly.

Cypripedioideae 5: 171. 3 IG (incl. 2 IT)

lady's slipper orchids = Frauenschuh-Verwandte

AP 2025: no subdivision, en.wikipedia: 4 tribes:

Cypripedieae 2: 130 *Cypripedium* 50, *Paphiopedilum* 80.

Selenipedieae 1: 9 *Selenipedium* 9.

Mexipedieae 1: 1 *Mexipedium xerophyticum* (by some authors placed in *Phragmipedium* or in *Paphiopedilum*).

Phragmipedieae 1: 31 *Phragmipedium* 31.

Basic type Orchidaceae subfamily Cypripedioideae (5: 171). Monophyletic. Tribes Cypripedieae and Phragmipedieae are connected by hybridization. According to the phylogeny of e.g. Guo Y-Y et al. 2012 the two other small tribes Selenipedieae and Mexipedieae are nested within. No hybrids with genera outside the subfamily are known.

tribe	hybrid parents	source
Cypripedieae	<i>Cypripedium</i> × <i>Paphiopedilum</i>	× <i>Cyphiopedilum</i> Swan 1899, RHS 2017, en.wikipedia 2025
IT Cypripedieae × Phragmipedieae	<i>Cypripedium</i> × <i>Phragmipedium</i>	× <i>Cyphragmipedium</i> en.wikipedia 2025, POWO 2025: no entry, Blaich 2025.
IT Cypripedieae × Phragmipedieae	<i>Paphiopedilum</i> × <i>Phragmipedium</i> (= „ <i>Cypripedium</i> “ × „ <i>Selenipedium</i> “)	× <i>Phragmipaphium</i> 1936 (= × <i>Selenocypripedium</i>). IPNI (8 nothospecies), Betts 2025, POWO 2025. Please note that <i>Selenipedium</i> has never been involved in this cross.

Epidendroideae 650: 22000

AP website 2025, identical with Wang et al. 2024: 16 tribes:

Arethuseae 12: 745 *Coelogyne* 595, *Glomera* 130, ...
Collabieae (incl. part of former Arethuseae) 24: 487.
Cymbidieae 150: 3800.
Epidendreae 120: 6000.
Gastrodieae 5: 122 *Didymoplexis* 20, *Gastrodia* 100, ...
Malaxideae 18: 4500.
Neottieae 6: 210.
Nervilieae 3: 75 *Nervilia* 70, ...
Podochileae 28: 1300.
Sobralieae 3: 265 *Elleanthus* 110, *Sertifera*, *Sobralia* 150.
Thaieae 1: 1.
Triphoreae 5: 31, *Triphora* 19, ...
Tropidieae 2: 39 *Corymborkis*, *Tropidia* 30.
Wulschlaegelieae 1: 2.
Xerorchideae 1: 2.
Vandae 160: 1950.

Arethuseae 14: 803. 9 IG (incl. 2 IST + 3 IT) (Arethuseae – Collabieae – Sobralieae)

The taxonomy is still under discussion. The following genera have been transferred to tribe Collabieae: *Acanthephippium*, *Calanthe* 2608 (incl. *Gastrorchis*, *Preptanthe*), *Ipsea* 3, *Nephelaphyllum*, *Pachystoma*, *Spathoglottis* 40, *Tainia* 29.

AP 2025: no subdivision. en.wikipedia: 2 subtribes:

Arethusinae 6: 10 *Anthogonium* 1, *Arethusa* 1, *Arundina* 2, *Calopogon* 5, *Eleorchis* 1, *Mengzia* 1.
Coelogykinae 8: 793 *Aglossorhyncha* 13, *Bletilla* 5, *Chelonistele* 13, *Coelogyne* 595 (incl. *Brachysepalum*°, *Bulleyia*°, *Dendrochilum*° 272, *Dickasonia*°, *Geesinkorchis*°, *Gynoglottis*°, *Ischnogyne*°, *Nabalua*°, *Neogyna*°, *Otochilus*°, *Panisea*°, *Pholidota* 39°), *Dilochia* 11, *Glomera* 130, *Pleione* 21, *Thunia* 5.

Tribe **Arethuseae** (12: 745) is part of the **preliminary basic type Orchidaceae Epidendroideae tribes Arethuseae + Collabieae + Epidendreae p.p. + Sobralieae** (83: 3180), see the figure below.

In **Arethuseae** 9 of the 12 genera and both subtribes are connected by hybridization. In addition, the tribe is linked by 2 hybrids with **Sobralieae** (3: 267), and 3 hybrids with **Collabieae** (24: 487). Since the latter tribe is connected with **Epidendreae p. p.** (44: 1981) they all belong to the same preliminary basic type. The phylogenies of the family still differ much in respect to the taxa in question. So, it must be waited if further molecular data bring light into the situation, e.g. to what extent the 4 subtribes of Epidendreae not involved in hybridization are nested within the other subtribes so that all 6 tribes might completely belong to the same basic tribe.

Interestingly, several genera have been transferred in the last time from Arethuseae to Collabieae, but they have their place in the same basic type as well. 2 hybrids have been reported with tribe **Cymbidieae** (see the appendix below). If these are correct, they would connect this preliminary basic type to Cymbidieae. Similarly, 2 unconfirmed hybrids are known between Cymbidieae and **Vandeae**, so that it is too soon for solid statements on the extent of this basic type.

Arethuseae 14: 803

Arethusinae 7: 10

Coelogyninae 8:

Collabieae 24: 487

Epidendreae 100: 6000

Agrostophyllinae 2: 144

Bletiinae 4: 81

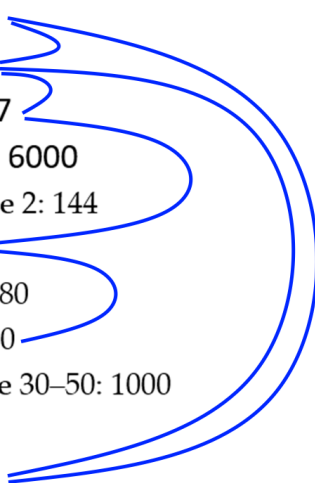
Calypsoinae 13: 80

Laeliinae 40: 1900

Pleurothallidinae 30–50: 1000

Ponerinae 4: 23

Sobralieae 3: 267



Epidendroideae: preliminary basic type Arethuseae + Collabieae + Epidendreae + Sobralieae, in alphabetical order.

tribe	subtribe	hybrid parents	source
Arethuseae	Arethusinae	<i>Arethusa</i> × <i>Calopogon</i>	Betts 2025
Arethuseae	Arethusinae	<i>Arethusa</i> × <i>Eleorchis</i>	IK, Betts 2025
Arethuseae	Arethusinae	<i>Calopogon</i> × <i>Eleorchis</i>	Betts 2025
IST Arethuseae	Arethusinae × Coelogyninae	<i>Arundina</i> × <i>Bletilla</i>	Rigby 2005: questionable, Betts 2025, POWO 2025
IT Arethuseae × Sobralieae	Arethusinae × Sobralieae	<i>Arundina</i> × <i>Sobralia</i>	× <i>Sobradina</i> . Betts 2025, POWO 2025
Arethuseae	Coelogyninae	<i>Bletilla</i> × <i>Pleione</i>	IPNI 2003
Arethuseae	Coelogyninae	<i>Bletilla</i> × <i>Thunia</i>	Betts 2025
Arethuseae	Coelogyninae	<i>Coelogyne</i> × <i>Pleione</i>	IPNI 2004
IST Arethuseae	Coelogyninae × Arethusinae	<i>Bletilla</i> × <i>Calopogon</i>	IK, Betts 2025
IST Arethuseae	Coelogyninae × Arethusinae	<i>Bletilla</i> × <i>Eleorchis</i>	Rigby 2005: questionable, IK, Betts 2025
IT Arethuseae × Collabieae	Coelogyninae × Collabieae	<i>Bletilla</i> × <i>Calanthe</i>	Betts 2025
IT Arethuseae × Sobralieae	Coelogyninae × Sobralieae	<i>Bletilla</i> × <i>Sobralia</i>	Betts 2025

Collabieae 24: 487. **6 IG + 1 IT (+ 2 IT)** (Collabieae – Epidendreae, Collabieae –Arethuseae)

The systematics is still matter of debate. Some genera were formerly included in Arethuseae, see below. en.wikipedia 2025 is identical with AP website, but on the taxonomy-page tribe Collabieae is missing. Interestingly, one of the consequences of the transfer is that two former intertribal hybrids are no longer intertribal!

Ancistrochilus 2, *Ania*, *Cephalantheropsis*, *Chrysoglossum*, *Collabium* 15, *Diglyphosa*, *Eriodes* 9, *Phaius* 40, *Pilophyllum*, *Plocoglottis* 40, *Risleya*.

Formerly placed in Arethuseae: *Acanthephippium*, *Calanthe* 260 (incl. *Gastrorchis*, *Preptanthe*), *Ipsea* 3, *Nephelaphyllum*, *Pachystoma*, *Spathoglottis* 40, *Tainia* 29.

Tribe Collabieae is part of the **preliminary basic type Orchidaceae Epidendroideae tribes Arethuseae + Collabieae + Epidendreae p.p. + Sobralieae** (see Arethuseae). Collabieae are linked by 2 hybrids with **Epidendreae** p. p. (Bletiinae) and 1 hybrid with Arethuseae (Coelogyninae). (The well-known registered hybrid *Cymbidium* × *Phaius* (→× *Phaiocymbidium*) which would connect Collabieae with Cymbidieae is erroneous).

tribe	subtribes	hybrid parents	source
Collabieae		<i>Ancistrochilus</i> × <i>Calanthe</i>	Betts 2025. formerly IT
Collabieae		<i>Ancistrochilus</i> × <i>Phaius</i>	Betts 2011, 2025
Collabieae		<i>Calanthe</i> × <i>Phaius</i>	IK, Betts 2025. formerly IT
Collabieae		<i>Calanthe</i> × <i>Spathoglottis</i>	Betts 2025
Collabieae		<i>Ipsea</i> × <i>Spathoglottis</i>	IPNI 2007, Betts 2025
Collabieae		<i>Phaius</i> × <i>Spathoglottis</i>	Shaw RHS 2007, Betts 2025. formerly IT
IT Epidendreae × Collabieae	Bletiinae × Collabieae	<i>Bletia</i> × <i>Phaius</i>	Betts 2025
IT Epidendreae × Collabieae	Bletiinae × Collabieae	<i>Bletia</i> × <i>Spathoglottis</i>	IK, Betts 2011: o. k., Rigby 2005: o. k., Betts 2025
IT Arethuseae × Collabieae	Coelogyninae × Collabieae	<i>Bletilla</i> × <i>Calanthe</i>	Betts 2025
IT Cymbidieae × Collabieae	Cymbidiinae × Collabieae	<i>Cymbidium</i> × <i>Phaius</i>	× <i>Phaiocymbidium</i> . IK, POWO 2025. Erroneous, see appendix

Cymbidieae 150: 1800. **295 IG (incl. 48 IST + 4 IT?)** (Catasetinae 10 IG, Cymbidiinae 4 IG, Eulophiinae 11 IG, Maxillariinae 9 IG, Oncidiinae 142 IG, Stanhopeinae 27 IG, Zygopetalinae 64 IG) + **4 IT?** (Catasetinae – Epidendreae

Bletiinae, Cymbidiinae – Vandeae Adrorhizinae, Eulophiinae – Vandeae Polystachyinae, Oncidiinae – Vandeae Laeliinae)

10 subtribes:

Catasetinae 8, Coeliopsidinae 3, Cymbidiinae 6, Cyrtopodiinae 1, Eriopsidinae 1, Eulophiinae 13, Maxillariinae 12, Oncidiinae 63, Stanhopeinae 20, Zygopetalinae 36 (incl. Vargasiellinae 1: 2).

Probably basic type Orchidaceae Epidendroideae tribe Cymbidieae (150: 1800). All 10 subtribes are connected by the very high number of some 300 intergeneric hybrids including 48 intersubtribal hybrids, see the figure at the beginning of this file. 2 hybrids have been registered by RHS with Epidendreae (Catasetinae – Bletiinae, Oncidiinae – Laeliinae), and 2 with Vandeae (Eulophiinae – Polystachyinae, Cymbidiinae – Adrorhizinae); for details see the appendix below). If these hybrids are really correct, this will strongly influence the extent of the basic type (see the comments to **Arethuseae**).

tribe	subtribe	hybrid parents	source
Cymbidieae	Catasetinae	<i>Catasetum</i> × <i>Clowesia</i>	Betts 2010
Cymbidieae	Catasetinae	<i>Catasetum</i> × <i>Cycnoches</i>	IK
Cymbidieae	Catasetinae	<i>Catasetum</i> × <i>Galeandra</i>	IK
Cymbidieae	Catasetinae	<i>Catasetum</i> × <i>Mormodes</i>	IK
Cymbidieae	Catasetinae	<i>Clowesia</i> × <i>Cycnoches</i>	Betts 2010
Cymbidieae	Catasetinae	<i>Clowesia</i> × <i>Galeandra</i>	IPNI 2014
Cymbidieae	Catasetinae	<i>Clowesia</i> × <i>Mormodes</i>	Betts 2010
Cymbidieae	Catasetinae	<i>Cycnoches</i> × <i>Galeandra</i>	IK
Cymbidieae	Catasetinae	<i>Cycnoches</i> × <i>Mormodes</i>	IK
Cymbidieae	Catasetinae	<i>Galeandra</i> × <i>Mormodes</i>	Betts 2010
IT? Cymbidieae × Epidendreae	Catasetinae × Bletiinae	<i>Catasetum</i> × <i>Chysis</i>	× <i>Catachysis</i> Brill 2021. Betts 2025, POWO 2025. confirmation needed
IST Cymbidieae	Catasetinae × Cymbidiinae	<i>Catasetum</i> × <i>Cymbidium</i>	IK
IST Cymbidieae	Catasetinae × Cymbidiinae	<i>Cycnoches</i> × <i>Grammatophyllum</i>	IPNI 2003
IST Cymbidieae	Catasetinae × Eulophiinae	<i>Catasetum</i> × <i>Grammangis</i>	IPNI 2007
IST Cymbidieae	Catasetinae × Oncidiinae	<i>Galeandra</i> × <i>Oncidium</i>	IK
IST Cymbidieae	Catasetinae × Oncidiinae	<i>Galeandra</i> × <i>Tolumnia</i>	IPNI 2004
IST Cymbidieae	Catasetinae × Zygopetalinae	<i>Catasetum</i> × <i>Zygopetalum</i> , <i>Zygosepalum</i>	× <i>Kenmeierara</i> . Betts 2025. trigeneric

IST Cymbidieae	Coeliopsidinae × Stanhopeinae	<i>Peristeria</i> × <i>Stanhopea</i>	Betts 2025
IST Cymbidieae	Coeliopsidinae × Zygopetalinae	<i>Peristeria</i> × <i>Zygopetalum</i>	IPNI 2014
Cymbidieae	Cymbidiinae	<i>Cymbidium</i> × <i>Grammatophyllum</i>	IK
Cymbidieae	Cymbidiinae	<i>Grammatophyllum</i> × <i>Porphyroglottis</i>	Betts 2010
Cymbidieae	Cymbidiinae	<i>Grammatophyllum</i> × <i>Thecopus</i>	IPNI 2014
Cymbidieae	Cymbidiinae	<i>Thecopus</i> × <i>Thecostele</i>	Betts 2025
IST Cymbidieae	Cymbidiinae × Coeliopsidinae	<i>Cymbidium</i> × <i>Peristeria</i>	Betts 2025
IST Cymbidieae	Cymbidiinae × Eulophiinae	<i>Cymbidium</i> × <i>Eulophia</i>	IPNI 2014
IST Cymbidieae	Cymbidiinae × Eulophiinae	<i>Cymbidium</i> × <i>Eulophiella</i>	IK
IST Cymbidieae	Cymbidiinae × Maxillariinae	<i>Cymbidium</i> × <i>Maxillaria</i>	IPNI 2006
IST Cymbidieae	Cymbidiinae × Zygopetalinae	<i>Cymbidium</i> × <i>Promenaea</i>	Betts 2010
IST Cymbidieae	Cymbidiinae × Zygopetalinae	<i>Cymbidium</i> × <i>Zygopetalum</i>	Betts 2010
IST Cymbidieae	Cymbidiinae × Zygopetalinae	<i>Grammatophyllum</i> × <i>Zygopetalum</i>	IPNI 2010
IST Cymbidieae	Cyrtopodiinae × Cymbidiinae	<i>Cyrtopodium</i> × <i>Grammatophyllum</i>	IK
IST Cymbidieae	Cyrtopodiinae × Eulophiinae	<i>Cyrtopodium</i> × <i>Eulophia</i>	Betts 2025
IST Cymbidieae	Cyrtopodiinae × Eulophiinae	<i>Cyrtopodium</i> × <i>Grammangis</i>	IK
IST Cymbidieae	Cyrtopodiinae × Zygopetalinae	<i>Cyrtopodium</i> × <i>Promenaea</i>	IPNI 2014
IST Cymbidieae	Eriopsidinae × Zygopetalinae	<i>Eriopsis</i> × <i>Promenaea</i>	IPNI 2007
Cymbidieae	Eulophiinae	<i>Ansellia</i> × <i>Eulophia</i>	IPNI 2007
Cymbidieae	Eulophiinae	<i>Ansellia</i> × <i>Grammangis</i>	IPNI 2014
Cymbidieae	Eulophiinae	<i>Cymbidiella</i> × <i>Eulophia</i>	IPNI 2011
Cymbidieae	Eulophiinae	<i>Cymbidiella</i> × <i>Eulophiella</i>	IK
Cymbidieae	Eulophiinae	<i>Cymbidiella</i> × <i>Grammangis</i>	IPNI 2007

Cymbidieae	Eulophiinae	<i>Eulophia × Geodorum</i>	Betts 2025
Cymbidieae	Eulophiinae	<i>Eulophia × Geodorum</i>	Betts 2025
Cymbidieae	Eulophiinae	<i>Eulophia × Grammangis</i>	IPNI 2011
Cymbidieae	Eulophiinae	<i>Eulophia × Graphorkis</i>	Betts 2025
Cymbidieae	Eulophiinae	<i>Eulophia × Oeceoclades</i>	IK
Cymbidieae	Eulophiinae	<i>Geodorum × Oeceoclades</i>	IPNI 2009
IST Cymbidieae	Eulophiinae × Catasetinae	<i>Ansellia × Catasetum</i>	IK
IST Cymbidieae	Eulophiinae × Catasetinae	<i>Ansellia × Clowesia</i>	B
IST Cymbidieae	Eulophiinae × Catasetinae	<i>Ansellia × Cycnoches</i>	IK
IST Cymbidieae	Eulophiinae × Catasetinae	<i>Ansellia × Galeandra</i>	IK
IST Cymbidieae	Eulophiinae × Catasetinae	<i>Ansellia × Mormodes</i>	IPNI 2007
IST Cymbidieae	Eulophiinae × Cymbidiinae	<i>Ansellia × Cymbidium</i>	IK
IST Cymbidieae	Eulophiinae × Cymbidiinae	<i>Ansellia × Graphorkis</i>	IPNI 2004
IST Cymbidieae	Eulophiinae × Cymbidiinae	<i>Cymbidiella × Graphorkis</i>	IK
IST Cymbidieae	Eulophiinae × Cymbidiinae	<i>Eulophia × Grammatophyllum</i>	IPNI 2007
IST Cymbidieae	Eulophiinae × Cymbidiinae	<i>Grammangis × Grammatophyllum</i>	IPNI 2007
IST Cymbidieae	Eulophiinae × Cyrtopodiinae	<i>Ansellia × Cyrtopodium</i>	IK
IT? Cymbidieae × Vandaeae	Eulophiinae × Polystachyinae	<i>Ansellia × Polystachya</i>	× <i>Polysellia</i> Shaw 2018. Betts 2025, POWO 2025, IPNI 2025. unconfirmed
IST Cymbidieae	Eulophiinae × Zygopetalinae	<i>Ansellia × Promenaea</i>	IK
Cymbidieae	Eulophiinae × Cymbidiinae	<i>Eulophia × Grammatophyllum</i>	Betts 2025
Cymbidieae	Maxillariinae	<i>Anguloa × Bifrenaria</i>	Betts 2025
Cymbidieae	Maxillariinae	<i>Anguloa × Lycaste</i>	IK
Cymbidieae	Maxillariinae	<i>Anguloa × Maxillaria</i>	B
Cymbidieae	Maxillariinae	<i>Anguloa × Sudamerlycaste</i>	IPNI 2003
Cymbidieae	Maxillariinae	<i>Bifrenaria × Lycaste</i>	IK
Cymbidieae	Maxillariinae	<i>Bifrenaria × Rudolfiella</i>	IK

Cymbidieae	Maxillariinae	<i>Lycaste × Maxillaria</i>	IK
Cymbidieae	Maxillariinae	<i>Lycaste × Sudamerlycaste</i>	Betts 2025
Cymbidieae	Maxillariinae	<i>Maxillaria × Xylobium</i>	IK
IST Cymbidieae	Maxillariinae × Cymbidiinae	<i>Bifrenaria × Cymbidium</i>	Betts 2025
IST Cymbidieae	Maxillariinae × Cymbidiinae	<i>Maxillaria × Cymbidium</i>	IPNI 2011, Betts 2025
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Cochleanthes</i>	IK
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Pabstia</i>	IK
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Promenaea</i>	IPNI 2014
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Zygopetalum</i>	IK
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Pabstia</i>	Betts 2025
IST Cymbidieae	Maxillariinae × Zygopetalinae	<i>Lycaste × Warczewiczella</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Ada × Aspasia</i>	IK
Cymbidieae	Oncidiinae	<i>Ada × Brassia</i>	IK
Cymbidieae	Oncidiinae	<i>Ada × Cyrtochilum</i>	IPNI 2009
Cymbidieae	Oncidiinae	<i>Ada × Gomesa</i>	IK
Cymbidieae	Oncidiinae	<i>Ada × Miltonia</i>	IK
Cymbidieae	Oncidiinae	<i>Ada × Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Ada × Rhynchostele</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Aspasia × Brassia</i>	IK
Cymbidieae	Oncidiinae	<i>Aspasia × Cyrtochilum</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Aspasia × Gomesa</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Aspasia × Miltonia</i>	IK, nat. hyb., Rigby 2005: questionable, Betts 2025
Cymbidieae	Oncidiinae	<i>Aspasia × Miltoniopsis</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Aspasia × Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Aspasia × Psychopsis</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Aspasia × Rhynchostele</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Aspasia × Rodriguezia</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Aspasia × Trichopilia</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Brassia × Cyrtochilum</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Brassia × Gomesa</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Brassia × Leochilus</i>	IK
Cymbidieae	Oncidiinae	<i>Brassia × Miltonia</i>	IPNI 2010

Cymbidieae	Oncidiinae	<i>Brassia × Miltoniopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Brassia × Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Brassia × Otoglossum</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Brassia × Psychopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Brassia × Rhyncholele</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Brassia × Rodriguezia</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Brassia × Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Brassia × Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Brassia × Trichopilia</i>	Betts 2025
Cymbidieae	Oncidiinae	<i>Caucaea × Comparettia</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Caucaea × Cyrtochilum</i>	IPNI 2014
Cymbidieae	Oncidiinae	<i>Caucaea × Oncidium</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Caucaea × Rhyncholele</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cischweinfia × Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Cochloda × Gomesa</i>	IPNI 2007
Cymbidieae	Oncidiinae	<i>Cochloda × Rhyncholele</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cochloda × Rodriguezia</i>	IPNI 2007
Cymbidieae	Oncidiinae	<i>Cochloda × Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Comparettia × Odontoglossum</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Comparettia × Gomesa</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Ionopsis</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Miltonia</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Notylia</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Rhyncholele</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Comparettia × Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Comparettia × Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Comparettia × Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Comparettia × Zelenkoa</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Cuitlauzina × Cyrtochilum</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cuitlauzina × Gomesa</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Cuitlauzina × Oncidium</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cuitlauzina × Tolumnia</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Cyrtochilum × Gomesa</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum × Ionopsis</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum × Leochilus</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum × Macradenia</i>	IPNI 2010

Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Miltonia</i>	IPNI 2014
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Miltoniopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Odontoglossum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Oncidium</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Oncidium</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Otoglossum</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Rhynchostele</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Rodriguezia</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Tolumnia</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Trichocentrum</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Cyrtochilum</i> × <i>Zelenkoa</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Erycina</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Erycina</i> × <i>Tolumnia</i>	IPNI 2014
Cymbidieae	Oncidiinae	<i>Fernandezia</i> × <i>Telipogon</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Fernandezia</i> × <i>Trichoceros</i>	Betts 2010
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Cochlioda</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Comparettia</i>	IK
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Leochilus</i>	IK
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Lockhartia</i>	IK
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Macradenia</i>	IK
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Miltonia</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Psychopsis</i>	IPNI 2014
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Rodriguezia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Trichocentrum</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Gomesa</i> × <i>Zelenkoa</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Hofmeisterella</i> × <i>Telipogon</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Ionopsis</i> × <i>Notylia</i>	IK
Cymbidieae	Oncidiinae	<i>Ionopsis</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Ionopsis</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Ionopsis</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Lockhartia</i>	IK
Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Oncidium</i>	IK

Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Leochilus</i> × <i>Zelenkoa</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Lockhartia</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Lockhartia</i> × <i>Tolumnia</i>	IPNI 2007
Cymbidieae	Oncidiinae	<i>Lockhartia</i> × <i>Trichopilia</i>	IK
Cymbidieae	Oncidiinae	<i>Macradenia</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Macradenia</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Macradenia</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Oncidium</i>	IK, nat. hyb.
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Psychopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Rhynchosele</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Rossioglossum</i>	IPNI 2007
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Miltonia</i> × <i>Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Miltoniopsis</i> × <i>Odontoglossum</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Miltoniopsis</i> × <i>Oncidium</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Miltoniopsis</i> × <i>Rhynchosele</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Miltoniopsis</i> × <i>Rossioglossum</i>	IPNI 2007
Cymbidieae	Oncidiinae	<i>Miltoniopsis</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Notylia</i> × <i>Oncidium</i>	IK
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Psychopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Rhynchosele</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Trichopilia</i>	IK

Cymbidieae	Oncidiinae	<i>Odontoglossum</i> × <i>Zelenkoa</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Psychopsiella</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Psychopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Rhynchosele</i>	IPNI 2003
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Rodriguezia</i>	IK
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Tolumnia</i>	IK
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Trichocentrum</i>	IK
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Trichopilia</i>	IK
Cymbidieae	Oncidiinae	<i>Oncidium</i> × <i>Zelenkoa</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Otoglossum</i> × <i>Rhynchosele</i>	IPNI 2010
Cymbidieae	Oncidiinae	<i>Psychopsiella</i> × <i>Psychopsis</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Psychopsiella</i> × <i>Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Psychopsis</i> × <i>Trichocentrum</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Psychopsis</i> × <i>Trichopilia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Psychopsis</i> × <i>Rossioglossum</i>	IPNI 2011
Cymbidieae	Oncidiinae	<i>Rhynchosele</i> × <i>Rodriguezia</i>	IPNI 2009
Cymbidieae	Oncidiinae	<i>Rhynchosele</i> × <i>Rossioglossum</i>	IPNI 2009
Cymbidieae	Oncidiinae	<i>Rhynchosele</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Rhynchosele</i> × <i>Zelenkoa</i>	IPNI 2004
Cymbidieae	Oncidiinae	<i>Rodriguezia</i> × <i>Tolumnia</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Telipogon</i> × <i>Trichoceros</i>	IK
Cymbidieae	Oncidiinae	<i>Tolumnia</i> × <i>Trichocentrum</i>	IPNI 2005
Cymbidieae	Oncidiinae	<i>Tolumnia</i> × <i>Zelenkoa</i>	IPNI 2005
IT?-Cymbidieae × Epidendreae	Oncidiinae × Laeliinae	<i>Brassia</i> × <i>Cattleya</i>	× <i>Cattlassia</i> hort. 2001. IPNI 2001, POWO 2025. unconfirmed or erroneous
IST Cymbidieae	Oncidiinae × Maxillariinae	<i>Cyrtochilum</i> × <i>Maxillaria</i>	IPNI 2009
IST Cymbidieae	Oncidiinae × Zygopetalinae	<i>Oncidium</i> × <i>Promenaea</i>	IPNI 2014

IST Cymbidieae	Oncidiinae × Zygopetalinae	<i>Oncidium</i> × <i>Zygopetalum</i>	IPNI 2004
Cymbidieae	Stanhopeinae	<i>Acineta</i> × <i>Embreea</i>	IK, Betts 2025
Cymbidieae	Stanhopeinae	<i>Acineta</i> × <i>Lueddemannia</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Acineta</i> × <i>Stanhopea</i>	IPNI 2005
Cymbidieae	Stanhopeinae	<i>Braemia</i> × <i>Embreea</i> <i>Stanhopea</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Braemia</i> × <i>Gongora</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Cirrhaea</i> × <i>Gongora</i>	IPNI 2005
Cymbidieae	Stanhopeinae	<i>Cirrhaea</i> × <i>Soterosanthus</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Cirrhaea</i> × <i>Stanhopea</i>	IK
Cymbidieae	Stanhopeinae	<i>Coryanthes</i> × <i>Gongora</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Coryanthes</i> × <i>Stanhopea</i>	IK
Cymbidieae	Stanhopeinae	<i>Embreea</i> × <i>Stanhopea</i>	IPNI 2006
Cymbidieae	Stanhopeinae	<i>Gongora</i> × <i>Houlletia</i>	IK
Cymbidieae	Stanhopeinae	<i>Gongora</i> × <i>Lueddemannia</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Gongora</i> × <i>Paphinia</i>	IPNI 2004
Cymbidieae	Stanhopeinae	<i>Gongora</i> × <i>Polycygnis</i>	IPNI 2004
Cymbidieae	Stanhopeinae	<i>Gongora</i> × <i>Stanhopea</i>	IK
Cymbidieae	Stanhopeinae	<i>Houlletia</i> × <i>Lueddemannia</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Houlletia</i> × <i>Paphinia</i>	IPNI 2014
Cymbidieae	Stanhopeinae	<i>Houlletia</i> × <i>Stanhopea</i>	Betts 2025
Cymbidieae	Stanhopeinae	<i>Kegeliella</i> × <i>Stanhopea</i>	IPNI 2014
Cymbidieae	Stanhopeinae	<i>Paphinia</i> × <i>Stanhopea</i>	IPNI 2014
Cymbidieae	Stanhopeinae	<i>Polycygnis</i> × <i>Stanhopea</i>	IK
IST Cymbidieae	Stanhopeinae × Zygopetalinae	<i>Paphinia</i> × <i>Zygopetalum</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Cochleanthes</i>	IK
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Galeottia</i>	IPNI 2004
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Otostylis</i>	IK
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Pabstia</i>	IPNI 2003
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Paradisanthus</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Warczewiczella</i>	IPNI 2025
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Zygopetalum</i>	IK, IPNI 2014
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Zygosepalum</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Aganisia</i> × <i>Zygosepalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Batemannia</i> × <i>Otostylis</i>	IK

Cymbidieae	Zygopetalinae	<i>Batemannia</i> × <i>Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Benzingia</i> × <i>Kefersteinia</i>	IPNI 2011
Cymbidieae	Zygopetalinae	<i>Chaubardia</i> × <i>Cochleanthes</i>	Betts 2010
Cymbidieae	Zygopetalinae	<i>Chaubardia</i> × <i>Warczewiczella</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chaubardia</i> × <i>Zygopetalum</i>	Betts 2010
Cymbidieae	Zygopetalinae	<i>Chaubardiella</i> × <i>Cochleanthes</i>	IPNI 2000
Cymbidieae	Zygopetalinae	<i>Chaubardiella</i> × <i>Kefersteinia</i>	IPNI 2003
Cymbidieae	Zygopetalinae	<i>Chaubardiella</i> × <i>Stenia</i>	IK
Cymbidieae	Zygopetalinae	<i>Chaubardiella</i> × <i>Warczewiczella</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondrorhyncha</i> × <i>Cochleanthes</i>	IK
Cymbidieae	Zygopetalinae	<i>Chondrorhyncha</i> × <i>Kefersteinia</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondrorhyncha</i> × <i>Pescatoria</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondrorhyncha</i> × <i>Warczewiczella</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondrorhyncha</i> × <i>Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Chondroscaphe</i> × <i>Cochleanthes</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondroscaphe</i> × <i>Pescatoria</i>	IPNI 2010
Cymbidieae	Zygopetalinae	<i>Chondroscaphe</i> × <i>Warczewiczella</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Chondroscaphe</i> × <i>Zygopetalum</i>	Betts 2025
Cymbidieae	Zygopetalinae	<i>Cochleanthes</i> × <i>Galeottia</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes</i> × <i>Huntleya</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes</i> × <i>Kefersteinia</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes</i> × <i>Pescatoria</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes</i> × <i>Promenaea</i>	IK

Cymbidieae	Zygopetalinae	<i>Cochleanthes × Stenia</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Cochleanthes × Zygosepalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Dichaea × Promenaea</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Galeottia × Pabstia</i>	IPNI 2003
Cymbidieae	Zygopetalinae	<i>Galeottia × Warczewiczella</i>	IK
Cymbidieae	Zygopetalinae	<i>Galeottia × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Kefersteinia × Pescatoria</i>	IK
Cymbidieae	Zygopetalinae	<i>Neogardneria × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Otostylis × Pabstia</i>	IK
Cymbidieae	Zygopetalinae	<i>Otostylis × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Otostylis × Zygosepalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Pabstia × Paradisanthus</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Pabstia × Pescatoria</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Pabstia × Promenaea</i>	IPNI 2003
Cymbidieae	Zygopetalinae	<i>Pabstia × Zygopetalum</i>	IK, nat. hyb. + art. hyb.
Cymbidieae	Zygopetalinae	<i>Pabstia × Zygosepalum</i>	IPNI 2003
Cymbidieae	Zygopetalinae	<i>Paradisanthus × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Pescatoria × Chondrorhyncha</i>	IK
Cymbidieae	Zygopetalinae	<i>Pescatoria × Chondroscaphe</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Pescatoria × Stenia</i>	IK
Cymbidieae	Zygopetalinae	<i>Pescatoria × Warrea</i>	IK
Cymbidieae	Zygopetalinae	<i>Pescatoria × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Pescatoria × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Promenaea × Paradisanthus</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Promenaea × Warrea</i>	IPNI 2014
Cymbidieae	Zygopetalinae	<i>Promenaea × Zygopetalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Promenaea × Zygosepalum</i>	IK
Cymbidieae	Zygopetalinae	<i>Warrea × Zygopetalum</i>	IK

Cymbidieae	Zygopetalinae	<i>Zygopetalum</i> × <i>Zygosepalum</i>	IK
IST Cymbidieae	Zygopetalinae × Eulophiinae	<i>Aganisia</i> × <i>Eulophia</i>	Betts 2025
IST Cymbidieae	Zygopetalinae × Maxillariinae	<i>Aganisia</i> × <i>Bifrenaria</i>	IK
IST Cymbidieae	Zygopetalinae × Maxillariinae	<i>Aganisia</i> × <i>Lycaste</i>	IPNI 2010
IST Cymbidieae	Zygopetalinae × Maxillariinae	<i>Cochleanthes</i> × <i>Lycaste</i>	Betts 2010
IST Cymbidieae	Zygopetalinae × Oncidiinae	<i>Promenaea</i> × <i>Rossioglossum</i>	IPNI 2014
IT? Vandae × Cymbidieae	Adrorhizinae × Cymbidiinae	<i>Bromheadia</i> × <i>Grammatophyllum</i>	× <i>Grammatoheadia</i> Anon. IK, IPNI 2025, confirmation needed, see the appendix

Epidendreae 100: 6000. **126 IG** (Bletiinae 1 IG, Laeliinae 110 IG,

Pleurothallidinae 8 IG) + **2 IST** (Bletiinae – Laeliinae) + **2 IT** (Epidendreae – Collabieae)

6 subtribes (en.wikipedia):

Agrostophyllinae 2: 144 (formerly part of Vandae) *Agrostophyllum* 137, *Earina* 7.

Bletiinae 4: 81 (formerly part of Arethuseae) *Basiphyllaea* 7, *Bletia* 54, *Chysis* 10 (or own subtribe), *Hexalectris* 10.

Calypsoinae 13: 80 (formerly own tribe Calypsoeae) *Aplectrum*, *Calypso*, *Changnienia*, *Coelia*, *Corallorhiza*, *Cremastra*, *Dactylostalix*, *Danxiaorchis*, *Ephippianthus*, *Govenia*, *Oreorchis*, *Tipularia*, *Yoania*.

Laeliinae 40: 1.900. *Cattleya* 118, *Encyclia* 120, *Epidendrum* 1500, *Prosthechea* 100, ...

Pleurothallidinae 30–50: ca. 4.000 *Dracula*, *Masdevallia*, *Pleurothallis* 1250, ...

Ponerinae 4: 23 *Helleriella* 2, *Isochilus* 13, *Nemaconia* 6, *Ponera* 2.

In **Epidendroideae** tribe **Epidendreae** subtribe Laeliinae (40: 1900) is closely linked by 110 IG. It is also linked to Bletiinae (4: 81) by 2 hybrids. 2 intertribal hybrids connect tribe **Collabieae**. Since the latter tribe is connected with **Arethuseae**, and Arethuseae with Sobralieae all these taxa belong to the same basic type, see Arethuseae and the figure at the beginning of this file.

No hybrids are known connecting the large subtribe Pleurothallidinae (40: 4000), though even genera of horticultural interest exist in this subtribe. Further molecular studies will possibly clarify the basic type situation.

tribe	subtribe	hybrid parents	source
IT? Cymbidieae × Epidendreae	Catasetinae × Bletiinae	<i>Catasetum</i> × <i>Chysis</i>	× <i>Catachysis</i> . Betts 2025. confirmation needed
IT?-Cymbidieae × Epidendreae	Oncidiinae × Laeliinae	<i>Brassia</i> × <i>Cattleya</i>	× <i>Cattlassia</i> hort. 2001, POWO 2025. unconfirmed
Epidendreae	Bletiinae	<i>Bletia</i> × <i>Chysis</i>	IK
IT Epidendreae × Collabieae	Bletiinae × Collabieae	<i>Bletia</i> × <i>Spathoglottis</i>	× <i>Bletiaglottis</i> . IK, Rigby 2005: o. k., Betts 2011
IT Epidendreae × Collabieae	Bletiinae × Collabieae	<i>Bletia</i> × <i>Phaius</i>	RHS 2007, Betts 2025
IST Epidendreae	Bletiinae × Laeliinae	<i>Bletia</i> × <i>Laelia</i>	Betts 2025
Epidendreae	Laeliinae	<i>Artorima</i> × <i>Barkeria</i>	IPNI 2014
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Brassavola</i>	IK
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Cattleya</i>	IK
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Caularthron</i>	IK, Betts 2025
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Encyclia</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Epidendrum</i>	IK
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Guarianthe</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Leptotes</i>	IK
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Oerstedella</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Prosthechea</i>	Betts 2025
Epidendreae	Laeliinae	<i>Barkeria</i> × <i>Tetramicra</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Broughtonia</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Cattleya</i>	IK, nat. hyb. + art. hyb.
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Caularthron</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Encyclia</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Epidendrum</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Guarianthe</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Hagsatera</i>	IPNI 2005
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Leptotes</i>	IK

Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Myrmecophila</i>	IPNI 2009
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Prosthechea</i>	IPNI 2009
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Psychilis</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Quisqueya</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Rhyncholaelia</i>	IK
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Scaphyglottis</i>	Betts 2025?
Epidendreae	Laeliinae	<i>Brassavola</i> × <i>Tetramicra</i>	IK
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Cattleya</i>	IK
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Caularthron</i>	IPNI 2005
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Domingoa</i>	
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Encyclia</i>	Dressler 1987, p. 265: nat. hyb. + art. hyb.
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Epidendrum</i>	IK
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Guarianthe</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Myrmecophila</i>	Betts 2025
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Psychilis</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Broughtonia</i> × <i>Tetramicra</i>	IK
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Caularthron</i>	Betts 2010
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Constantia</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Domingoa</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Encyclia</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Epidendrum</i>	Betts 2025
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Guarianthe</i> ^o	IPNI 2003

Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Laelia</i>	IK, first intergeneric orchid hybrid 1863, nat. + art. hyb.
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Leptotes</i>	IK
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Myrmecophila</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Prosthechea</i>	IPNI 2011
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Psychilis</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Rhyncholaelia</i>	Betts 2010
Epidendreae	Laeliinae	<i>Cattleya</i> × <i>Rhyncholaelia</i>	Betts 2010
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Cattleya</i>	IK, nat. hyb.
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Encyclia</i>	Betts 2010
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Epidendrum</i>	Betts 2010
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Guarianthe</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Laelia</i>	IPNI 2002
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Oerstedella</i>	IPNI 2005
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Prosthechea</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Rhyncholaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Caularthron</i> × <i>Tetramicra</i>	IPNI 2005
Epidendreae	Laeliinae	<i>Domingoa</i> × <i>Epidendrum</i>	IK
Epidendreae	Laeliinae	<i>Domingoa</i> × <i>Epidendrum</i>	IK
Epidendreae	Laeliinae	<i>Domingoa</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Domingoa</i> × <i>Prosthechea</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Domingoa</i> × <i>Scaphyglottis</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Epidendrum</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Guarianthe</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Laelia</i>	IK

Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Myrmecophila</i>	Betts 2010
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Nidema</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Prosthechea</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Psychilis</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Psychilis</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Encyclia</i> × <i>Rhynchoaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Guarianthe</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Isabelia</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Isabelia</i>	IK
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Leptotes</i>	IK
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Nidema</i>	Betts 2010
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Oerstedella</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Prosthechea</i>	IPNI 2005
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Rhynchoaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Scaphyglottis</i>	IK
Epidendreae	Laeliinae	<i>Epidendrum</i> × <i>Tetramicra</i>	IK
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Laelia</i>	IK
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Leptotes</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Myrmecophila</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Prosthechea</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Psychilis</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Rhynchoaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Guarianthe</i> × <i>Tetramicra</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Hagsatera</i> × <i>Prosthechea</i>	IPNI 2005

Epidendreae	Laeliinae	<i>Isabelia</i> × <i>Psychilis</i>	IPNI 2010
Epidendreae	Laeliinae	<i>Isabelia</i> × <i>Rhyncholaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Leptotes</i>	IK
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Myrmecophila</i>	IPNI 2004K
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Oerstedella</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Prosthechea</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Psychilis</i>	IK, nat. hyb.
Epidendreae	Laeliinae	<i>Laelia</i> × <i>Rhyncholaelia</i>	IPNI 2003
Epidendreae	Laeliinae	<i>Myrmecophila</i> × <i>Psychilis</i>	IPNI 2014
Epidendreae	Laeliinae	<i>Prosthechea</i> × <i>Rhyncholaelia</i>	IPNI 2008
Epidendreae	Laeliinae	<i>Prosthechea</i> ^o (= <i>Epidendrum</i> p. p.) × <i>Schomburgkia</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Prosthechea</i> ^o × <i>Psychilis</i>	IPNI 2004
Epidendreae	Laeliinae	<i>Psychilis</i> × <i>Quisqueya</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Psychilis</i> × <i>Rhyncholaelia</i>	IPNI 2007
Epidendreae	Laeliinae	<i>Psychilis</i> × <i>Tetramicra</i>	IPNI 2010
IST Epidendreae	Laeliinae × Bletiinae	<i>Broughtonia</i> × <i>Cattleya</i> , <i>Chysis</i>	Betts 2025
†† Epidendreae × Dendrobieae	Laeliinae × Dendrobiinae	<i>Cattleya</i> × <i>Dendrobium</i>	IK, Betts 2007: no plants existed
†† Epidendreae × Dendrobieae	Laeliinae × Dendrobiinae	<i>Cattleya</i> × <i>Dendrobium</i> , <i>Guarianthe</i>	× <i>Dendrocatanthe</i> RHS 2019, Betts 2025. Unconfirmed → <i>Cattleya</i> × <i>Rhyncholaelia</i> ?
†† Epidendreae × Sobralieae	Laeliinae × Sobralieae	<i>Cattleya</i> × <i>Sobralia</i>	× <i>Sobraleya</i> Hansen 1895, Rigby 2005: questionable. Betts 2025, POWO 2025: no entry
†† Epidendreae × Cymbidieae	Laeliinae × Zygopetalinae	<i>Epidendrum</i> × <i>Zygopetalum</i>	× <i>Zygodendrum</i> . (described 1895), Betts 2011 Rigby 2005: questionable
Epidendreae	Pleurothallidinae	<i>Diodonopsis</i> × <i>Masdevallia</i>	IPNI 2010, Betts 2025
Epidendreae	Pleurothallidinae	<i>Dracula</i> × <i>Masdevallia</i>	IK, Betts 2025

Epidendreae	Pleurothallidinae	<i>Dracula</i> × <i>Porroglossum</i>	Betts 2010, 2025
Epidendreae	Pleurothallidinae	<i>Lepanthes</i> × <i>Lepanthopsis</i>	IK, Betts 2025
Epidendreae	Pleurothallidinae	<i>Masdevallia</i> × <i>Porroglossum</i>	IK, Betts 2025
Epidendreae	Pleurothallidinae	<i>Masdevallia</i> × <i>Restrepia</i>	IPNI 2014, Betts 2025
Epidendreae	Pleurothallidinae	<i>Myoxanthus</i> × <i>Restrepia</i>	IPNI 2003, Betts 2025
Epidendreae	Pleurothallidinae	<i>Pleurothallis</i> × <i>Stelis</i>	IPNI 2007, Betts 2025

Gastrodieae 5: 122

Didymoplexis 20, *Gastrodia* 100, ...

Malaxideae (now incl. Dendrobiinae) 18: 4500. **1 IG**

2 subtribes: Dendrobiinae and Malaxidinae. The taxonomy is still under discussion. Subtribe Dendrobiinae is now often reduced to only 2 genera. Therefore, many of the former IG are now IS: 15 in *Bulbophyllum* and 10 in *Dendrobium*.

Dendrobiinae 2: 3900 *Bulbophyllum* 2200, *Dendrobium* 1700

Malaxidinae: 16: 1500 *Ataliparis*, *Blepharoglossum*, *Crepidium* 260, *Crossoglossa*, *Crossoliparis*, *Dienia*, *Hammarbya*, *Hippeophyllum*, *Liparis* 320–430, *Malaxis* 185, *Oberonia* 325, *Oberonioides*, *Orestias*, *Playstyliparis*, *Seidenforchis* (or part of *Cepidium*), *Stichorkis*.

Preliminary basic type **Orchidaceae subfamily Epidendroideae tribe Malaxideae subtribe Dendrobiinae** (2: 3900). The two genera *Bulbophyllum* and *Dendrobium* are connected by hybridization and therefore belong to the same basic type. Be aware that thousands of man-made interspecific hybrids are known in these two genera. In subtribe **Malaxidinae** no intergeneric hybrids are known and no hybrids connecting subtribe Dendrobiinae.

Malaxideae	Dendrobiinae	<i>Bulbophyllum</i> × <i>Dendrobium</i>	IPNI 2007
------------	--------------	---	-----------

Neottieae: 6: 210. **1 IG**

excl. Thaieae, incl. Palmorchideae.

AP website 2025 no subtribes. en.wikipedia 2025 no subtribes or 2 subtribes:

Limodorinae 5: 146 *Aphyllorchis* 20, *Cephalanthera* 15, *Epipactis* 70, *Limodorum* 3, *Palmorchis* 38 (or tribe Palmorchideae).

Listerinae 1: 65 *Neottia* 65 (incl. *Listera*).

Neottieae	Limodorinae	<i>Cephalanthera × Epipactis</i>	IK, Blaich 2011, nat. hyb. (2 nothospecies)
ISF Neottieae × Orchideae	Limodorinae × Orchidinae	Cephalanthera × Ophrys	× <i>Cephalophrys</i> Betts 2025 etc., Blaich: doubtful,
ISF Neottieae × Orchideae	Limodorinae × Orchidinae	<i>Cephalanthera × Orchis</i> C.	× <i>Cephalorchis</i> Betts 2025, Blaich 2025: doubtful

Nervilieae 3: 75.

Epipogium 4, *Nervilia* 70, *Stereosandra* 1.

Podochileae 28: 1300. 1 IG

Appendicula 150, *Bryobium*, *Dendrolirium*, *Eria*, *Phreatia* 220, *Pinalia* 210, *Podochilus* 62, *Thelasis*, *Trichotosia* 80, ...

Podochileae	<i>Bryobium × Pinalia</i>	IPNI
-------------	---------------------------	------

Sobralieae 3: 267. (2 IT) (Arethuseae – Sobralieae)

en.wikipedia: as Sobraliinae part of tribe Arethuseae

Elleanthus 110, *Sertifera* 7, *Sobralia* 150.

Tribe **Epidendroideae Sobralieae** is connected with tribe Arethuseae, and therefore belongs to the same basic type as **Arethuseae** etc. (for details see Arethuseae).

IT Arethuseae × Sobralieae	Arethusinae × Sobralieae	<i>Arundina × Sobralia</i>	× <i>Sobradina</i> . Betts 2025: 2 nothospecies. POWO 2025
IT Arethuseae × Sobralieae	Arethusinae × Sobralieae	<i>Bletilla × Sobralia</i>	Betts 2025
IF Epidendreae × Sobralieae	Laeliinae × Sobralieae	Cattleya × Sobralia	× <i>Sobraleya</i> Betts 2011, 2025, Rigby 2005: questionable, registered 1895, POWO 2025: no entry.

Thaieae 1: 1

Thaia 1 *saprophytica*.

Triphoreae 5: 31

Triphora 19, ...

Tropidieae 2: 39

Corymborkis, *Tropidia* 30

Vandaeae 160: 1950. **150 IG** (24 IG Angraecinae, 126 IG Aeridinae) + **9 IST**

(Angraecinae – Aeridinae)

AP website 2025: no subtribes, but including the former Agrostophyllinae 2: 144 with *Agrostophyllum* 137 and *Earina* 7 to Epidendreae. – Attention: Some authors place *Bromheadia* in subtribe Cyrtopodiinae or Cymbidiinae of Cymbidieae, and Adrorhizinae were formerly included in Coelogyneae (now as Coelogyninae part of Arethuseae). –

Other authors distinguish 4 subtribes:

Aeridinae 100: 1250 *Acampe*, *Arachnis* (incl. *Armodorum*) 87, *Phaleopsis*, *Vanda* (incl. *Ascocentrum*°, *Christensonia*°, *Euanthe*°, *Neofinetia*°, *Trudelia*°), ...

Angraecinae (incl. Aerangidinae) 55: 450 *Aerangis*, *Angraecum* 221, ...

Adrorhizinae 3: 32 *Adrorhizon* 1, *Bromheadia* 29, *Sirhookera* 2.

Polystachyinae (formerly part of Epidendreae) 2: 220 *Hederorkis* 2, *Polystachya* 240.

Probably **basic type Orchidaceae Epidendroideae tribe Vandaeae** (160: 1950). The tribe is monophyletic. 159 IG are known in total. The 2 large subtribes Angraecinae + Aeridinae (155: 1.700) are linked by 9 intersubtribal hybrids.

No confirmed hybrids are known in or with the remaining small subtribes Adrorhizinae and Polystachyinae.

For possible connections with **Cymbidieae** see the comments to **Arethuseae** and to **Cymbidieae**.

tribe	subtribe	hybrid parents	source
IT? Cymbidieae × Vandaeae	Polystachyinae × Eulophiinae	<i>Ansellia</i> × <i>Polystachya</i>	× <i>Polysellia</i> Shaw 2018. Betts 2025, POWO 2025, IPNI 2025. unconfirmed
IT? Vandaeae × Cymbidieae	Adrorhizinae × Cymbidiinae	<i>Bromheadia</i> × <i>Grammatophyllum</i>	× <i>Grammatoheadia</i> Anon. 1995, IK, IPNI 2025, Betts 2025, POWO 2025. Confirmation needed, see appendix
Vandaeae	Aeridinae	<i>Acampe</i> × <i>Arachnis</i>	IK
Vandaeae	Aeridinae	<i>Acampe</i> × <i>Rhynchostylis</i>	IPNI 2007
Vandaeae	Aeridinae	<i>Acampe</i> × <i>Trichoglottis</i>	Betts 2025
Vandaeae	Aeridinae	<i>Acampe</i> × <i>Vanda</i>	IK
Vandaeae	Aeridinae	<i>Adenoncos</i> × <i>Pomatocalpa</i>	Betts 2025
Vandaeae	Aeridinae	<i>Aerides</i> × <i>Arachnis</i>	IK
Vandaeae	Aeridinae	<i>Aerides</i> × <i>Cleisocentron</i>	IK

Vandeae	Aeridinae	<i>Aerides × Luisia</i>	IK
Vandeae	Aeridinae	<i>Aerides × Papilionanthe</i>	IK
Vandeae	Aeridinae	<i>Aerides × Paraphalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Aerides × Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Aerides × Renanthera</i>	IK
Vandeae	Aeridinae	<i>Aerides × Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Aerides × Sarchochilus</i>	IK
Vandeae	Aeridinae	<i>Aerides × Seidenfadenia</i>	IPNI 2003
Vandeae	Aeridinae	<i>Aerides × Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Aerides × Vanda</i>	IK
Vandeae	Aeridinae	<i>Aerides × Vandopsis</i>	IK
Vandeae	Aeridinae	<i>Amesiella × Ceratocentron</i>	IPNI 2003
Vandeae	Aeridinae	<i>Amesiella × Phalaenopsis</i>	IPNI 2009
Vandeae	Aeridinae	<i>Amesiella × Tuberolabium</i>	IPNI 2003
Vandeae	Aeridinae	<i>Arachnis × Cleisocentron</i>	IPNI 2003
Vandeae	Aeridinae	<i>Arachnis × Cleisocentron</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Papilionanthe</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Paraphalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Renanthera</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Renanthera</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Rhynchostylis</i>	IPNI 2003
Vandeae	Aeridinae	<i>Arachnis × Seidenfadenia</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Vanda</i>	IK
Vandeae	Aeridinae	<i>Arachnis × Vandopsis</i>	IK
Vandeae	Aeridinae	<i>Ceratocentron × Tuberolabium</i>	IPNI 2007

Vandeae	Aeridinae	<i>Chiloschista</i> × <i>Taeniophyllum</i>	Betts 2025
Vandeae	Aeridinae	<i>Chiloschista</i> × <i>Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Cleisocentron</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Cleisocentron</i> × <i>Pomatocalpa</i>	IK
Vandeae	Aeridinae	<i>Cleisocentron</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Cleisocentron</i> × <i>Robiquetia</i>	IK
Vandeae	Aeridinae	<i>Cleisocentron</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Cleisostoma</i> × <i>Gastrochilus</i>	IK
Vandeae	Aeridinae	<i>Cleisostoma</i> × <i>Micropera</i>	IK
Vandeae	Aeridinae	<i>Cleisostoma</i> × <i>Pelatantheria</i>	IK
Vandeae	Aeridinae	<i>Cleisostoma</i> × <i>Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Cottonia</i> × <i>Papilionanthe</i>	IPNI 2014
Vandeae	Aeridinae	<i>Cottonia</i> × <i>Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Diploprora</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Diploprora</i> × <i>Vanda</i>	IPNI 2011
Vandeae	Aeridinae	<i>Drymoanthus</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Dyakia</i> × <i>Macropodanthus</i>	IPNI 2006
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Luisia</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Pelatantheria</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Gastrochilus</i> × <i>Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Luisia</i>	IPNI 2003

Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Papilionanthe</i>	IPNI 2014
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Holcoglossum</i> × <i>Vandopsis</i>	IPNI 2003
Vandeae	Aeridinae	<i>Luisia</i> × <i>Papilionanthe</i>	IK
Vandeae	Aeridinae	<i>Luisia</i> × <i>Paraphalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Luisia</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Luisia</i> × <i>Pomatocalpa</i>	IK
Vandeae	Aeridinae	<i>Luisia</i> × <i>Renanthera</i>	IPNI 2011
Vandeae	Aeridinae	<i>Luisia</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Luisia</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Paraphalaenopsis</i>	IK; IPNI 2014
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Phalaenopsis</i>	IPNI 2014
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Rhynchostylis</i>	IK; IPNI 2014
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Sarcanthopsis</i>	IPNI 2014
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Sarcochilus</i>	IPNI 2014
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Papilionanthe</i> × <i>Vandopsis</i>	IPNI 2014
Vandeae	Aeridinae	<i>Papillilabium</i> × <i>Sarcochilus</i>	IPNI 2014
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Phalaenopsis</i>	IK
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Seidenfadenia</i>	IPNI 2014

Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Paraphalaenopsis</i> × <i>Vandopsis</i>	IK
Vandeae	Aeridinae	<i>Pelatantheria</i> × <i>Pomatocalpa</i>	Betts 2025
Vandeae	Aeridinae	<i>Pelatantheria</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Peristeranthus</i> × <i>Plectorrhiza</i>	Betts 2025
Vandeae	Aeridinae	<i>Peristeranthus</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Pelatantheria</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Vanda</i>	IK
Vandeae	Aeridinae	<i>Phalaenopsis</i> × <i>Vandopsis</i>	Betts 2025
Vandeae	Aeridinae	<i>Plectorrhiza</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Pomatocalpa</i> × <i>Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Pomatocalpa</i> × <i>Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Pteroceras</i> × <i>Renanthera</i>	IK
Vandeae	Aeridinae	<i>Renanthera</i> × <i>Rhynchostylis</i>	IK
Vandeae	Aeridinae	<i>Renanthera</i> × <i>Sarcochilus</i>	IK, IPNI 2004
Vandeae	Aeridinae	<i>Renanthera</i> × <i>Trichoglottis</i>	IK

Vandeae	Aeridinae	<i>Renanthera × Vanda</i>	IK
Vandeae	Aeridinae	<i>Renanthera × Vandopsis</i>	IK
Vandeae	Aeridinae	<i>Rhinerrhiza × Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Rhynchosstylis × Phalaenopsis</i>	IPNI 2003
Vandeae	Aeridinae	<i>Rhynchosstylis × Robiquetia</i>	IK
Vandeae	Aeridinae	<i>Rhynchosstylis × Sarcochilus</i>	IK
Vandeae	Aeridinae	<i>Rhynchosstylis × Seidenfadenia</i>	IPNI 2003
Vandeae	Aeridinae	<i>Rhynchosstylis × Trichoglottis</i>	IK
Vandeae	Aeridinae	<i>Rhynchosstylis × Vanda</i>	Betts 2025
Vandeae	Aeridinae	<i>Rhynchosstylis × Vandopsis</i>	IK; IPNI 2014
Vandeae	Aeridinae	<i>Robiquetia × Vanda</i>	IPNI 2014
Vandeae	Aeridinae	<i>Sarcanthopsis × Vanda</i>	IPNI 2004
Vandeae	Aeridinae	<i>Sarcanthopsis × Vandopsis</i>	IPNI 2004
Vandeae	Aeridinae	<i>Sarcochilus × Schistotylus</i>	IPNI 2010
Vandeae	Aeridinae	<i>Sarcochilus × Vanda</i>	IK
Vandeae	Aeridinae	<i>Seidenfadenia × Vanda</i>	IPNI 2003
Vandeae	Aeridinae	<i>Trichoglottis × Vanda</i>	IK
Vandeae	Aeridinae	<i>Trichoglottis × Vandopsis</i>	IK
Vandeae	Aeridinae	<i>Vanda × Vandopsis</i>	IK, IPNI 2004
Vandeae	Angraecinae	<i>Aerangis × Aeranthes</i>	IK, IPNI 2014
Vandeae	Angraecinae	<i>Aerangis × Angraecum</i>	IK
Vandeae	Angraecinae	<i>Aerangis × Diaphananthe</i>	IK
Vandeae	Angraecinae	<i>Aerangis × Eurychone</i>	IK
Vandeae	Angraecinae	<i>Aerangis × Jumellea</i>	Betts 2025
Vandeae	Angraecinae	<i>Aerangis × Oeonia</i>	IPNI 2014
Vandeae	Angraecinae	<i>Aerangis × Rangaeris</i>	IK
Vandeae	Angraecinae	<i>Aerangis × Rhipidoglossum</i>	IK
Vandeae	Angraecinae	<i>Aerangis × Summerhayesia</i>	IPNI 2004

Vandeae	Angraecinae	<i>Aeranthus</i> × <i>Angraecum</i>	IK
Vandeae	Angraecinae	<i>Aeranthus</i> × <i>Jumellea</i>	IK
Vandeae	Angraecinae	<i>Afropectinariella</i> × <i>Angraecum</i>	Betts 2025
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Cyrtorchis</i>	IK
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Eurychone</i>	IK
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Jumellea</i>	IPNI 2010
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Oeoniella</i>	IK
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Plectrelminthus</i>	IK
Vandeae	Angraecinae	<i>Angraecum</i> × <i>Sobennikoffia</i>	IK
Vandeae	Angraecinae	<i>Cryptopus</i> × <i>Neobathia</i>	IK
Vandeae	Angraecinae	<i>Cyrtorchilus</i> × <i>Oeoniella</i>	IPNI 2014
Vandeae	Angraecinae	<i>Cyrtorchis</i> × <i>Mystacidium</i>	IPNI 2010
Vandeae	Angraecinae	<i>Mystacidium</i> × <i>Rhipidoglossum</i>	Betts 2025
Vandeae	Angraecinae	<i>Rangaeris</i> × <i>Tridactyle</i>	IK
Vandeae	Angraecinae	<i>Tridactyle</i> × <i>Ypsilopus</i>	IK
IST Vandeae	Angraecinae × Aeridinae	<i>Aerangis</i> × <i>Amesiella</i>	IK
IST Vandeae	Angraecinae × Aeridinae	<i>Aeranthus</i> × <i>Vanda</i>	IK
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Ceratocentron</i>	IK
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Holcoglossum</i>	IPNI 2014
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Paraphalaenopsis</i>	IPNI 2014
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Phalaenopsis</i>	RHS 2017
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Rhynchostylis</i>	IK
IST Vandeae	Angraecinae × Aeridinae	<i>Angraecum</i> × <i>Tuberolabium</i>	IK

IST Vandeae	Angraecinae × Aeridinae	Eurychone × Phalaenopsis	IK
--------------------	--	---	----

Wulfschlaegelieae 1: 2

Wulfschlaegelia 2.

Orchidoideae 204: 3800

4 tribes:

Codonorchideae 1: 2.

Cranichideae 93: 1100.

Diurideae 40: 550.

Orchideae 84: 2100.

Codonorchideae 1: 2

Codonorchis 2.

Cranichideae 93: 1.000. **15 IG** (1 IG Chloraeinae, 9 IG Goodyerinae, 6 IG

Spiranthinae) + **10 IST** (Cranichidinae – Cyclopogoninae – Prescottiinae – Spiranthinae – Stenorrhynchidinae)

The subdivision is matter of debate and varies much, even within different pages of en.wikipedia 2025. AP website 2025 mentions no subtribes.

Attention: subtribe Chloraeinae has been transferred from Diurideae to Cranichideae in the phylogeny of Wang et al. 2024, and Pterostylidinae are sometimes considered as part of Diurideae.

We follow the “Taxonomy of Orchidaceae” in en.wikipedia which differs from other Orchidaceae entries in en.wikipedia:

10 subtribes (Chloraeinae added according to AP website).

Chloraeinae 3 *Bipinnula* (incl. *Geoblasta*°), *Chloraea*, *Gavilea*.

Cranichidinae 12 *Cranichis*, ...

Cyclopogoninae 1 (or part of Spiranthinae) *Cyclopogon* 83.

Galeottiellinae 1 *Galeottiella*.

Goodyerinae 37: 500 *Anoectochilus* 47, *Cheirostylis* 53, *Dossinia*, *Goodyera* 70, *Macodes*, *Microchilus* 250, *Vrydagzynea* 43, *Zeuxine* 74, ...

Manniellinae 1 *Manniella*.

Prescottiinae 5 (or part of Cranichideae) *Aa*, *Gomphichis*, *Porphyrostachys*, *Prescottia*, *Stenoptera*.

Pterostylidinae 2 (sometimes part of Diurideae) *Achlydosa* 1, *Pterostylis*.

Spiranthinae 30 *Coccineorchis*, *Dichromanthus*, *Discyphus* (or own subtribe

Discyphinae, so in Wang et al. 2024), *Eltroplectis*, *Mesadenella*, *Pelexia* 77, *Pteroglossa*, *Sarcoglottis* 48, *Sauroglossum*. ...

Stenorrhynchidinae 1 (or part of Spiranthinae) *Stenorrhynchos*.

In **Orchidoideae Cranichideae** (93: 1000), about one half of the tribe (49: 500), corresponding to the subtribes **Cranichidinae**, **Cyclopogoninae**, **Prescottiinae**, **Spiranthinae** + **Stenorrhynchidinae** (or subtribes Cranichidinae s.l. + Spiranthinae s.l. sensu Wang et al. 2024) belong to the same basic type, see the figure at the beginning of this file.

Possibly the tribe as a whole is a basic type, but opinions about the subdivision of Cranichideae and the relations to Diurideae are not sufficiently resolved.

No hybrids are known connecting Goodyerinae (37: 500).

tribe	subtribe	hybrid parents	source
Cranichideae	Chloraeinae	<i>Chloraea</i> × <i>Gavilea</i>	Betts 2025
IST Cranichideae	Cyclopogoninae × Stenorrhynchidinae	<i>Cyclopogon</i> × <i>Stenorrhynchos</i>	IPNI 2003
Cranichideae	Goodyerinae	<i>Anoectochilus</i> × <i>Dossinia</i>	IK
Cranichideae	Goodyerinae	<i>Anoectochilus</i> × <i>Ludisia</i>	IK
Cranichideae	Goodyerinae	<i>Anoectochilus</i> × <i>Macodes</i>	IPNI 2007
Cranichideae	Goodyerinae	<i>Dossinia</i> × <i>Goodyera</i>	IPNI 2004
Cranichideae	Goodyerinae	<i>Dossinia</i> × <i>Ludisia</i>	IK
Cranichideae	Goodyerinae	<i>Dossinia</i> × <i>Macodes</i>	IPNI 2007
Cranichideae	Goodyerinae	<i>Goodyera</i> × <i>Ludisia</i>	IPNI 2004
Cranichideae	Goodyerinae	<i>Goodyera</i> × <i>Macodes</i>	Betts 2010
Cranichideae	Goodyerinae	<i>Ludisia</i> × <i>Macodes</i>	IK
IST Cranichideae	Prescottiinae × Spiranthinae	<i>Porphyrostachys</i> × <i>Sarcoglottis</i>	IPNI 2010
IST Cranichideae	Prescottiinae × Spiranthinae	<i>Porphyrostachys</i> × <i>Sauroglossum</i>	Betts 2025
Cranichideae	Spiranthinae	<i>Coccineorchis</i> × <i>Sarcoglottis</i>	IPNI 2010
Cranichideae	Spiranthinae	<i>Dichromanthus</i> × <i>Sarcoglottis</i>	IPNI 2007
Cranichideae	Spiranthinae	<i>Eltroplectis</i> × <i>Pelexia</i>	Betts 2025
Cranichideae	Spiranthinae	<i>Eltroplectis</i> × <i>Pteroglossa</i>	Betts 2025
Cranichideae	Spiranthinae	<i>Pelexia</i> × <i>Pteroglossa</i>	Betts 2025
Cranichideae	Spiranthinae	<i>Pelexia</i> × <i>Sarcoglottis</i>	IPNI 2007
IST Cranichideae	Spiranthinae × Prescottiinae	<i>Pelexia</i> × <i>Porphyrostachys</i>	Betts 2025
IST Cranichideae	Spiranthinae × Stenorrhynchidinae	<i>Dichromanthus</i> × <i>Stenorrhynchos</i>	IPNI 2010
Cranichideae	Spiranthinae × Stenorrhynchidinae	<i>Eltroplectis</i> × <i>Stenorrhynchos</i>	Betts 2025
IST Cranichideae	Spiranthinae × Stenorrhynchidinae	<i>Mesadenella</i> × <i>Stenorrhynchos</i>	IPNI 2010

IST Cranichideae	Spiranthinae × Stenorrhynchidinae	<i>Pelexia</i> × <i>Stenorrhynchos</i>	IPNI 2007
IST Cranichideae	Spiranthinae × Stenorrhynchidinae	<i>Sarcoglottis</i> × <i>Stenorrhynchos</i>	IK

Diurideae 40: 550. **6 IG** (Caladeniinae 5 IG, Thelymitrinae 1 IG)

9 subtribes.

Caladenia 270, *Corybas* 140, *Diuris* 70, *Prasophyllum* 131, *Thelymitra* 110, ...

tribe	subtribe	hybrid parents	source
Diurideae	Caladeniinae	<i>Caladenia</i> × <i>Elythranthera</i>	IPNI 2007, nat. hyb.
Diurideae	Caladeniinae	<i>Caladenia</i> × <i>Glossodia</i>	IK, nat. hyb.
Diurideae	Caladeniinae	<i>Caladenia</i> × <i>Pheladenia</i>	Betts 2025
Diurideae	Caladeniinae	<i>Elythranthera</i> × <i>Glossodia</i>	IK
Diurideae	Caladeniinae	<i>Glossodia</i> × <i>Pheladenia</i>	Betts 2025
Diurideae	Thelymitrinae	<i>Calochilus</i> × <i>Thelymitra</i>	IK

Orchideae 84: 2100. **37 IG**

AP website and other authors no longer divide into subgroups and include former Disinae/Diseae and Habenariinae.

en.wikipedia 2025 very preliminary 5–6 subtribes:

Brownleinae 2: 86 *Brownleea* 8, *Disperis* 78

Coryciinae 4: 41 *Ceratandra* 6, *Corycium* 14, *Evotella* 1, *Pterygodium* 20

Disinae + Huttoneinae + Pachitinae 3: 189 *Disa* 182 (incl. *Herschelia*), *Huttonaea* 5, *Pachites* 2.

Orchidinae ca. 50: 1.800. *Anacamptis*, *Barlia*, *Comperia*, *Cynorkis* 156, *Dactylorhiza* (incl. *Coeloglossum*), *Gymnadenia* (incl. *Nigritella*), *Habenaria* 900 (formerly own subtribe), *Hemipilia* 18, *Herminium* 49, *Himantoglossum*, *Neobolusia*, *Holothrix* 45, *Ophrys* 36, *Orchis* 20 (incl. *Aceras*), *Pecteilis*, *Peristylus* 105, *Platanthera* 136, *Ponerorchis* 55 (or own subtribe), *Pseudorchis* (= *Leucorchis*), *Satyrium* 86 (or own subtribe), *Serapias* 12, *Stenoglottis*, *Traunsteinera*, ...

Probably **basic type Orchidoideae tribe Orchideae** (84: 2100). 37 intergeneric hybrids are known within the former subtribe Orchidinae s.str. incl. Habenariinae (50: 1800), see the figure at the beginning of this file.

No other intergeneric hybrids are known, so far. But since a distinction of subgroups in tribe Orchideae has turned out to be obsolete, it is probable that tribe Orchideae as a whole belongs to the same basic type.

tribe	former subtribes	hybrid parents	source
Orchideae		<i>Anacamptis</i> × <i>Barlia</i>	IPNI 2007, nat. hyb.
Orchideae		<i>Anacamptis</i> × <i>Comperia</i>	Raschun 2018 art. hyb.
Orchideae		<i>Anacamptis</i> × <i>Dactylorhiza</i>	IK, Blaich 2011, nat. hyb.
Orchideae		<i>Anacamptis</i> × <i>Gymnadenia</i>	IK, Peitz 1972, Blaich 2011, nat. hyb.
Orchideae		<i>Anacamptis</i> × <i>Himantoglossum</i>	Masters et al. 2025
Orchideae		<i>Anacamptis</i> × <i>Neotinea</i>	IPNI 2007
Orchideae		<i>Anacamptis</i> × <i>Ophrys</i>	IPNI 2003, Blaich 2011
Orchideae		<i>Anacamptis</i> × <i>Orchis</i>	IK, Peitz 1972, Blaich 2011
Orchideae		<i>Anacamptis</i> × <i>Platanthera</i>	IK, Peitz 1972, Blaich 2025 (nat. + art. hyb.)
Orchideae		<i>Anacamptis</i> × <i>Serapias</i>	IK, Blaich 2011 nat. + art. hyb., Raschun 2019
Orchideae		<i>Barlia</i> × <i>Himantoglossum</i>	Blaich 2025 nat. hyb., art. hyb.
Orchideae		<i>Barlia</i> × <i>Orchis</i>	IK, Blaich 2011 nat. hyb.
Orchideae		<i>Barlia</i> × <i>Serapias</i>	Raschun 2019 art. hyb.
Orchideae		<i>Chamorchis</i> × <i>Gymnadenia</i>	× <i>Chamodenia</i> . IK, Peitz 1972, Blaich 2007: doubtful, nat. hyb., Betts 2025
Orchideae		<i>Comperia</i> × <i>Himantoglossum</i>	IPNI 2007, Blaich 2025, nat. hyb.
Orchideae		<i>Comperia</i> × <i>Serapias</i>	Blaich 2011: art. hyb.
Orchideae	Orchidinae × Habenariinae	<i>Cynorkis</i> × <i>Habenaria</i>	IPNI 2010
Orchideae		<i>Cynorkis</i> × <i>Pecteilis</i>	Betts 2025
Orchideae		<i>Dactylorhiza</i> × <i>Gymnadenia</i>	IK, Blaich 2011, nat. hyb. + art. hyb.
Orchideae		<i>Dactylorhiza</i> × <i>Neotinea</i>	IPNI 2007
Orchideae		<i>Dactylorhiza</i> × <i>Orchis</i>	IK, Peitz 1972, Blaich 2011, nat. hyb.
Orchideae		<i>Dactylorhiza</i> × <i>Platanthera</i>	IK, Peitz 1972, Blaich 2011, nat. hyb.
Orchideae		<i>Dactylorhiza</i> × <i>Pseudorchis</i>	IK, Peitz 1972, Blaich 2007, nat. hyb.
Orchideae		<i>Dactylorhiza</i> × <i>Serapias</i>	IK, Blaich 2011, art. hyb.
IT Orchideae × Cranichideae	Orchidinae × Spiranthinae	<i>Dactylorhiza</i> × <i>Spiranthes</i>	× <i>Spilorhiza</i> Hermosilla et al. 1998. Blaich 2020:

			doubtful, Betts 2025, POWO 2025: no entry
Orchideae		<i>Gymnadenia × Orchis</i>	IK, Peitz 1972, Blaich 2007, nat. hyb.
Orchideae		<i>Gymnadenia × Platanthera</i>	IK, Peitz 1972, Blaich 2007, nat. hyb.
Orchideae		<i>Gymnadenia × Pseudorchis</i>	IK, Blaich 2007, nat. hyb.
Orchideae		<i>Gymnadenia × Traunsteinera</i>	IK, Peitz 1972, Blaich 2007, 2025 nat. hyb.
Orchideae	Habenariinae × Orchidinae	<i>Habenaria × Orchis</i>	IK; Betts 2010, 2025: does not exist
Orchideae	Habenariinae × Orchidinae	<i>Habenaria × Pecteilis</i>	× <i>Pectabenaria</i> . IK, art. hyb., Rigby 2005: questionable, Betts 2025
Orchideae	Habenariinae × Orchidinae	<i>Habenaria × Platanthera</i>	Betts 2025
Orchideae		<i>Herminium × Pseudorchis</i>	IK, nat. hyb.
Orchideae		<i>Herminium × Pseudorchis</i>	IK, Peitz 1972: doubtful, Blaich 2025: doubtful, Betts 2025: no entry
Orchideae		<i>Himantoglossum × Orchis</i>	IK, nat. hyb., Blaich 2007: doubtful
Orchideae		<i>Neobolusia × Stenoglottis</i>	IPNI 2008, Betts 2025
Orchideae		<i>Neotinea × Orchis</i>	IPNI 2003, 2007, Blaich 2025 lists many reports, but all as doubtful. Betts 2025
Orchideae		<i>Ophrys × Orchis</i>	IK, Blaich 2011, art. hyb.
Orchideae		<i>Ophrys × Serapias</i>	IPNI 2004, Raschun 2019 art. hyb.
Orchideae		<i>Orchis × Platanthera</i>	IK, Dressler 1987, nat. hyb.
Orchideae		<i>Orchis × Pseudorchis</i>	Dressler 1987
Orchideae		<i>Orchis × Serapias</i>	IK, Blaich 2011, art. + nat. hyb.
Orchideae		<i>Platanthera × Pseudorchis</i>	IK, nat. hyb.

Vanilloideae 14: 235

AP website 2025: 2 tribes:

Pogonieae 5: 60 *Cleistis* 45, *Cleistesiopsis*, *Duckeella*, *Isotria*, *Pogonia* 6.

Vanilleae 9: 175 *Clematepistephium* 1, *Cyrtosia*, *Epistephium* 21, *Eriaxis*, *Erythrorchis*, *Galeola*, *Lecanorchis* 22, *Pseudovanilla*, *Vanilla* 110.

Possibly basic type Orchidaceae subfamily Vanilloideae (15: 249) because of its isolated position, though no intergeneric or intertribal hybrids are known.

References:

- Adams H & Anderson E (1958) A conspectus of hybridization in the Orchidaceae. *Evolution* 12, 512–518.
- AP website** (2025) → Stevens (2001 onwards)
- Betts B (2011–2025) London Orchid Society, Canada: Hybrid names by genus. <http://londonorchidsociety.com/MiscFiles/Hybrids.pdf> Very useful, similar to RHS 2017, but more actual. With notation of synonyms. Genera which are not involved in intergeneric hybridization are not listed. Some critical remarks, but some of the hybrids listed are unconfirmed. – For basic type studies, this and similar lists are very valuable, but they all lack the information to which subtribe, tribe etc. they belong.
- Blaich G (2025) List of hybrids of European orchids. <https://www.guenther-blaich.de/hybnaminde.htm> including all interspecific and intergeneric hybrids and all nothospecies, with critical remarks.
- Chase MW (2005) Classification of Orchidaceae in the age of DNA data. *Curtis's Bot. Magazine* 22 (1), 2–7.
- Chase MW et al. (2003) DNA data and Orchidaceae systematics: a new phylogenetic classification. pp. 69–89 in Dixon KW, Kell SP, Barrett RL & Cribb PJ (eds.) *Orchid conservation*. Natural History Publications, Kota Kinabalu, Sabah, Malaysia. <http://www.orchids.co.in/dna-data-orchidaceae.shtm>.
- Chase MW et al. (2015) An updated classification of Orchidaceae. *Bot. J. Linnean Soc.* 177, 151–174. <https://academic.oup.com/botlinnean/article/177/2/151/2416341>
- Dressler RL (1987) *Die Orchideen. Biologie und Systematik der Orchidaceae*. Stuttgart: Ulmer. [translation of the 1981 edition](#)
- Dressler RL (1993) *Phylogeny and classification of the Orchid family*. Cambridge University Press.
- Freudenstein JV & Chase MW (2015) Phylogenetic relationships in Epidendroideae (Orchidaceae), one of the great flowering plant radiations: progressive specialization and diversification. *Annals of Botany* 115 (4), 665–681.
- Govaerts R et al. (2005) World checklist of Orchidaceae. Board of Trustees of the Royal Botanic Gardens, Kew, UK. <http://www.kew.org/wcsp/monocots/>
- Guo Y-Y et al. (2012) Evolution and biogeography of the slipper orchids: Eocene vicariance of the conduplicate genera in the Old and New World Tropics. *PLOS one*. <https://doi.org/10.1371/journal.pone.0038788> *Cypripedioideae*
- Hansen G (1895) *The orchid hybrids. Enumeration and classification of all hybrids of orchids published up to October 15, 1895*. London and Berlin. Reprint 2008: Read Country Books.

- Hassler M (2025) A complete, synonymic checklist of the orchids of the world. Covering 30,648 accepted species, 1,511 hybrids, 1,869 accepted infraspecific taxa and 60,565 synonyms, in total 94,593 names. <https://www.worldplants.de/world-orchids/orchid-list>
- Hermosilla CE et al. (1998) Notas sobre Orquideas V. Estudios des Museo de Ciencias Naturales de Álava 13, 123–156. *nat. hyb.: Dactylorhiza elata × Spiranthes aestivalis = × Spiliorhiza diversifolia*). intertribal, confirmation needed!
- Index Kewensis **IK** preceding **IPNI**
- International Plant Names Index (= **IPNI**) = www.ipni.org
- Masters S et al. (2025) Horticultural hybrid development of edible terrestrial orchids for sustainable trade. Frontiers in Sustainable Food Systems. DOI 10.3389/fsufs.2025.1526533 **no new intergeneric hybrids**
- Moir WWG & Moir MA (1982) Creating Oncidiinae intergenerics. Honolulu: University of Hawaii Press.
- Moir WWG & Moir MA (1989) Laeliinae intergenerics. Honolulu: University of Hawaii Press.
- Peitz E (1972) Zusammenstellung aller bisher bekannten Bastarde der in Deutschland verbreiteten Orchideen. Jahresber. Naturwiss. Ver. Wuppertal 25, 167–200.
- POWO** (2025) Plants of the World Online. <https://powo.science.kew.org/results?q=Orchidaceae> lists all Orchidaceae genera. The synonymy often differs much from AP website. Some of the hybrids listed are unconfirmed, even if they have been officially registered.
- Pridgeon AM, Cribb PJ, Chase MA & Rasmussen F (eds.) (1999–2014). Genera Orchidacearum. 6 Vol. Oxford Univ. Press.
- Raschun G (2019) Die Zucht von interspezifischen und intergenerischen *Serapias*-Hybriden. <https://cypripedium.at/?p=21388>
- Rigby R (2005) Highlights of Orchid History. <http://www.duncan.rigby.net/RR/USAOHP1.pdf> Comments on the history of orchids and the reliability of hybrids
- RHS**: Royal Horticultural Society (2017) Alphabetical one-table list of genera and intergeneric hybrids. <https://www.rhs.org.uk/plants/pdfs/plant-registration-forms/list-of-orchid-genera-with-components.pdf>: Very useful. For each genus all intergeneric hybrid combinations are listed. Tribes or subtribes are not mentioned. Similar to Betts 2025.
- RHS**: Royal Horticultural Society (1987–2024) Sander's list of orchid hybrids London: Royal Horticultural Society. + **Addenda**, e. g. (2021) Three year addendum 2017–2019 <https://www.rhs.org.uk/about-us/pdfs/publications/orchid-hybrid-lists/orchid-reg-nhl-1334-oct-20-mar-21.pdf> or (2024) Annual supplement to the international register and checklist of orchid hybrids (Sander's list) July 2023 – June 2024 registrations. <https://www.rhs.org.uk/about-us/pdfs/publications/orchid-hybrid-lists/annual-orchid-register-supplement-2023-2024.pdf>

- Stevens PF (2001 onwards). Angiosperm phylogeny website.
<http://www.mobot.org/MOBOT/research/APweb/> (= **AP website**).
- Vázquez FM (2009) Revisión de la familia Orchidaceae en Extremadura (España).
Folia Bot. Extremadurensis 3, 119.
- Wang Y et al. (2024) Progress in systematics and biogeography of Orchidaceae. Plant
Diversity. <https://doi.org/10.1016/j.pld.2024.05.002>
- White J (2025) Hybridisation. Cymbidium Chatter 6 (1)
<https://static1.squarespace.com/static/5e412692ef4feb2a836333fd/t/67c6cbe8f2c6666a9e325432/1741081632531/Cymbidium+Chatter+48+%28Vol+6+No+1%29.pdf> the
famous × *Phaiocymbidium* is erroneous and only an interspecific *Phaius*-hybrid.

Appendix: erroneous and unconfirmed intertribal and intersubfamilial hybrids

tribe + subtribe	hybrid parents	source
IT? Cymbidieae Catasetinae × Epidendreae Bletiinae	<i>Catasetum</i> × <i>Chysis</i>	× <i>Catachysis</i> Brill 2021 Orchid Rev. 128, Betts 2025, POWO 2025. confirmation is welcome (sg@wort-und-wissen.org)
IT?-Cymbidieae Oncidiinae × Epidendreae-Laeliinae	<i>Brassia</i> × <i>Cattleya</i>	× <i>Cattlassia</i> hort. 2001, IPNI 2001, 2025, Betts 2025, POWO 2025: http://www.orchidees.fr/forums/index.php?showtopic=391 : erroneous
IT Cymbidieae Cymbidiinae × Epidendreae Bletiinae	<i>Cymbidium</i> × <i>Phaius</i>	× <i>Phaiocymbidium</i> Mast. 1902, IK, POWO 2025, White 2025: erroneous → <i>Phaius</i> IS
IT? Cymbidieae Eulophiinae × Vandeae Polystachyinae	<i>Ansellia</i> × <i>Polystachya</i>	× <i>Polysellia</i> Shaw 2018, Betts 2025, POWO 2025, IPNI 2025. unconfirmed
IT? Vandeae Adrorhizinae × Cymbidieae Cymbidiinae	<i>Bromheadia</i> × <i>Grammatophyllum</i> (<i>B. finlaysoniana</i> × <i>G. elegans</i>)	× <i>Grammatoheadia</i> Anon. 1995, IK, IPNI 2025, Betts 2025, POWO 2025. <i>Bromheadia</i> has been transferred from Cymbidieae to Vandeae and is now intertribal. <i>B. finlaysoniana</i> was originally part of <i>Grammatophyllum</i> . Since <i>G. elegans</i> was left in Cymbidieae the hybrid is now considered intertribal. Possibly, further studies will revise that.
ISF Neottieae Limodorinae × Orchideae Orchidinae	<i>Cephalanthera</i> × <i>Dactylorhiza</i>	× <i>Cephalorhiza</i> Shaw RHS 2006, IPNI 2007, Blaich 2025: doubtful. POWO 2025
ISF Neottieae Limodorinae × Orchideae Orchidinae	<i>Cephalanthera</i> × <i>Ophrys</i>	× <i>Cephalophrys</i> IK, Rigby 2005: questionable, Blaich 2025/POWO 2025: erroneous → <i>Ophrys apifera</i>
ISF Neottieae Limodorinae × Orchideae Orchidinae	<i>Cephalanthera</i> × <i>Orchis</i>	× <i>Cephalorchis</i> F. M. Vazquez 2009, IPNI 2010, Blaich 2025: doubtful, Betts 2025, POWO 2025
IT Orchideae Orchidinae × Cranichideae Spiranthinae	<i>Dactylorhiza</i> × <i>Spiranthes</i>	× <i>Spilorhiza</i> Hermosilla et al. 1998, IPNI: not mentioned, Blaich 2011: doubtful. Betts 2025, Masters et al. 2025