

Species Datasheet

Datasheet No. A-061.099.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Spathoglottisplicata* Blume

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Bletia angustifolia* Gaudich., *Calanthe poilanei* Gagnep., *Paxtonia rosea* Lindl., *Phaius rumphii* Blume, *Spathoglottis angustifolia* (Gaudich.) Benth. & Hook.f., *Spathoglottis augustorum* Rchb.f., *Spathoglottis daenikeri* Kraenzl., *Spathoglottis deplanchei* Rchb.f., *Spathoglottis lilacina* Griff., *Spathoglottis plicata* var. *minahassae* Schltr., *Spathoglottis rosea* (Lindl.) G. Nicholson, *Spathoglottis spicata* Lindl., *Spathoglottis vieillardii* Rchb.f.

3.Systematic Position:

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Ericae

Genus: *Spathoglottis* Blume

Species: *Spathoglottis plicata* Blume

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Collabieae
- Genus: *Spathoglottis* Blume
- Species: *Spathoglottis plicata* Blume

4.Distribution:

Global: [Bangladesh](#), [Bismarck Archipelago](#), [Borneo](#), [Cambodia](#), [Caroline Is.](#), [Cook Is.](#), [East Himalaya](#), [Fiji](#), [India](#), [Jawa](#), [Laos](#), [Lesser Sunda Is.](#), [Malaya](#), [Maluku](#), [Marianas](#), [Myanmar](#), [Nansei-shoto](#), [New Caledonia](#), [New Guinea](#), [Nicobar Is.](#), [Niue](#), [Philippines](#), [Queensland](#), [Samoa](#), [Santa Cruz Is.](#), [Solomon Is.](#), [Sri Lanka](#), [Sulawesi](#), [Sumatera](#), [Taiwan](#), [Thailand](#), [Tonga](#), [Vanuatu](#), [Vietnam](#), [Wallis-Futuna Is.](#), [Cayman Is.](#), [Comoros](#), [Cuba](#), [Dominican Republic](#), [Florida](#), [Hawaii](#), [Leeward Is.](#), [Marquesas](#), [Nauru](#), [Panamá](#), [Puerto Rico](#), [Seychelles](#), [Society Is.](#), [Windward Is.](#)

India: Andaman & Nicobar Islands, Arunachal Pradesh, Kerala

5.Indigenous/Exotic/Endemic;Cultivated/Wild: Indigenous, cultivated

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial pseudobulbous herb

8. Life Form: Cryptophytes

9. Economic Importance: Cultivated ornamental

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=20^{1, 3, 4, 10, 11, 12, 13, 15}$, 21^8

13. Zygotic chromosome number(s): $2n=40^{1, 3, 4, 10, 11, 12, 13, 15, 42^8}$, 60^{11}

14. Gametic chromosome number(s): $n=20^{15}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid^{1, 3, 4, 8, 10, 11, 12, 13, 15}

Triploid¹¹

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:³

Karyotype Median, submedian, 6 pairs subterminal³

Chromosome size Medium³

NOR chromosome(s)

Degree of asymmetry Asymmetrical³

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis 2011¹⁵

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):