

1. Genus: *Spathoglottis* Blume

2. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

Kingdom: Plantae
 Division: Phanerogamia
 Class: Monocotyledonae
 Series: Microspermae
 Ordo: Orchideae
 Tribus: Epidendreae
 Subtribus: Erireae
 Genus: *Spathoglottis* Blume

3. Species:

Global: 42

India: 4

4. Taxonomic riddles: 2, 14

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, Caroline Is., China South-Central, China Southeast, Cook Is., India, Fiji, India, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Marianas, Myanmar, Nansei-shoto, Nepal, New Caledonia, New Guinea, Niue, Philippines, Queensland, Samoa, Santa Cruz Is., Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, 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: Arunachal Pradesh, Sikkim, Andaman & Nicobar Islands, Kerala, Manipur, Meghalaya, Mizoram, Nagaland

6. Habit and Habitat: Terrestrial pseudobulbous herb

7. Economic Importance: Ornamental

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=6^{13}, 19^5, 20^{1, 3, 4, 6, 7, 9, 10, 11, 12, 13, 15}, 21^8$

10. Zygotic chromosome number(s): $2n=12^{13}, 38^5, 40^{1, 3, 4, 6, 10, 11, 12, 13, 15}, 42^8, 60^{11}$

11. Gametic chromosome number(s): $n=19^5, 20^{6, 7, 9, 15}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level: Diploid^{1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

16. Karyograms: ³

Meiosis: ^{7, 9, 15}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ^{2, 14}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: