

1. Genus: *Polystachya* Hook.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subfamily: Polystachyinae
- Genus: *Polystachya* Hook.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Cymbidieae
Genus: *Polystachya* Hook.

3. Species:

Global: 243

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Angola, Argentina Northeast, Argentina Northwest, Bahamas, Belize, Benin, Bolivia, Borneo, Brazil North, Brazil Northeast, Brazil South, Brazil Southeast, Brazil West-Central, Burkina, Burundi, Cambodia, Cameroon, Cape Provinces, Cayman Is., Central African Repu, Chad, China South-Central, Colombia, Comoros, Congo, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Equatorial Guinea, Eritrea, Ethiopia, Florida, French Guiana, Gabon, Ghana, Guatemala, Guinea, Guinea-Bissau, Gulf of Guinea Is., Guyana, Haiti, Honduras, India, Ivory Coast, Jamaica, Jawa, Kenya, KwaZulu-Natal, Laos, Leeward Is., Lesser Sunda Is., Liberia, Madagascar, Malawi, Malaya, Mali, Maluku, Mauritius, Mexico Gulf, Mexico Northeast, Mexico Southeast, Mexico Southwest, Mozambique, Netherlands Antilles, Nicaragua, Nicobar Is., Nigeria, Northern Provinces, Panamá, Paraguay, Peru, Philippines, Puerto Rico, Rwanda, Réunion, Senegal, Seychelles, Sierra Leone, Sri Lanka, Sudan, Sulawesi, Sumatera, Suriname, Swaziland, Tanzania, Thailand, Togo, Trinidad-Tobago, Uganda, Venezuela, Venezuelan Antilles, Vietnam, Windward Is., Zambia, Zaïre, Zimbabwe

India: Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Karnataka, Manipur, Meghalaya, Nagaland, Odisha, Tamil Nadu

6. Habit and Habitat: Epiphytic herb

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level

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

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

16. Karyograms:

Meiosis:

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: