

Species Datasheet

Datasheet No. A-061.072.011
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pinaliapolystachya* (A.Rich.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Eriapolystachya* A.Rich.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Podochileae
- Genus: *Pinalia* Lindl.
- Species: *Pinaliapolystachya* (A.Rich.) Kuntze

4.Distribution:

Global: India

India: Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI: Endemic

7.Habit and Habitat: Epiphyte, evergreen and semi-Evergreen forests

8.Life Form: Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12. Basic chromosome number(s): $x=19^{21}$

13. Zygotic chromosome number(s): $2n=38^{21}$

14. Gametic chromosome number(s): $n=$

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

Image file

16. Ploidy level: Diploid²¹

Image file

17. Aneuploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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

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.):