

Species Datasheet

Datasheet No. A-061.072.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pinaliamysorensis* (Lindl.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Eriamysorensis* Lindl., *Eriapubescens* Wight

3.Systematic Position:

APG IV (2016)

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

4.Distribution:

Global: India

India: Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI: Endemic

7. Habit and Habitat: Pseudobulbous, warm to cool growing epiphyte, Semi-evergreen, evergreen and shola forests

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value **Methodology**

12. Basic chromosome number(s): $x=19^{5, 6, 20}$

13. Zygotic chromosome number(s): $2n=38^{5, 6, 20}$

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

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

Image file

16. Ploidy level: Diploid^{5, 6, 20}

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:⁵

Karyotype Submedian, 2 pairs subterminal⁵

Chromosome size Small⁵

NOR chromosome(s)

Degree of asymmetry Fairly asymmetrical⁵

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;Translocationsetc.):**