

Species Datasheet

Datasheet No. A-061.072.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pinaliaacervata* (Lindl.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: [*Dendrobiumseriatum* Wall. ex Hook.f.](#), [*Eriacervata*Lindl.](#), [*Eriapoilanei*Gagnep.](#)

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: OrchidaceaeJuss.
- Subfamily: Epidendroideae
- Tribe: Podocheileae
- Genus: *Pinalia*Lindl.

4.Distribution:

Global:Yunnan China, India, eastern Himalayas, Myanmar, Thailand, Laos, Cambodia and Vietnam

India: Assam

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte, grows in rather warm climate on northern slopes at 600mTropical Moist Forest

8.Life Form:Phanerophytes

9.Economic Importance:Cultivated ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12. Basic chromosome number(s): $x=19^{4, 7, 8}, 20^{13, 14, 16}$

13. Zygotic chromosome number(s): $2n=40^{13}, 38^{4, 7, 8}$

14. Gametic chromosome number(s): $n=20^{13, 14, 16}$

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

Image file

16. Ploidy level: Diploid^{4, 7, 8, 13, 14, 16}

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:

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 20 II ^{14, 16}

Image file

27. Chromosome distribution at anaphase I: 20:20 distribution at A-I, laggards seen in some cells^{14, 16}

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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