

Species Datasheet

Datasheet No. A-061.072.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pinaliaamica* (Rchb.f.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Eriaamica* Rchb.f., *Eriaandersonii* Hook.f., *Eriaconfusa* Hook.f., *Eriahypomelana* Hayata, *Octomeriaexcavata* Wall. ex Hook.f., *Pinaliaandersonii* (Hook.f.) Kuntze, *Pinaliaconfusa* (Hook.f.) Kuntze

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: *Pinaliaamica* (Rchb.f.) Kuntze

4.Distribution:

Global: India, Nepal, Bhutan, Myanmar, Thailand, Laos, Cambodia, southern China, Taiwan and Vietnam, 600-2200m

India: Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttarakhand, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Grows as warm to cold growing epiphyte at about 1100 m

8. **Life Form:** Phanerophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

12. Basic chromosome number(s): $x=18^{11}, 20^{12, 14}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=18^{11}, 20^{12, 14}$

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

Image file

16. Ploidy level: Diploid^{11, 12, 14}

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:

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 $20 \text{ II}^{14}, 18 \text{ II}^{11}$

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.):