

Species Datasheet

Datasheet No. A-061.072.007
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pinaliaexcavata* (Lindl.) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Eriaexcavata* Lindl., *Eria flava* var. *rubida* Lindl., *Eriasphaerochila* Lindl.

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: *Pinaliaexcavata* (Lindl.) Kuntze

4.Distribution:

Global: India, Bhutan, Nepal, China

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

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Cool to cold growing epiphyte or lithophyte

8.Life Form: Phanerophytes

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

12. Basic chromosome number(s): $x=19^1, 20^{15}$

13. Zygotic chromosome number(s): $2n=38^1$

14. Gametic chromosome number(s): $n=20^{15}$

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

Image file

16. Ploidy level: Diploid^{1, 15}

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

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.):**