

Species Datasheet

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Datasheet No. P-051.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Arthromeris himalayensis* (Hook.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Arthromerishimalayensis var. *himalayensis*

Pleopeltishimalayensis (Hook.) Bedd.

Polypodiumhimalayense Hook.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Drynarioideae Crabbe, Jermy & Mickel
- Genus: *Arthromeris*
- Species: *Arthromeris himalayensis* (Hook.) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: Myanmar, Tibet, China (Yunnan, Sichuan), Bhutan, Nepal, India

India: NE-India (Sikkim, Darjeeling, Meghalaya, Arunachal Pradesh)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic, 2700-3600 altitude range

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=36^{3, 7}$

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

14. Gametic chromosome number(s): $n=36^{3, 7}, 37^1$

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

Image file

16.Ploidylevel:Diploid (sexual) ⁷

Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):Aneuploid¹

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 meiosis36II⁷, 37II¹

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.):