

Species Datasheet

Datasheet No. P-051.011.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polypodiodes lachnopus* (Wall. ex Hook.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Goniophlebium lachnopum (Wall. ex Hook.) Bedd.

Polypodium lachnopum Wall. ex Hook.

Schellolepis lachnopa (Wall. ex Hook.) J. Sm.

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: Microsoroideae B.K. Nayar
- Genus: *Polypodiodes* Ching
- Species: *Polypodiodes lachnopus* (Wall. ex Hook.) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: India, Nepal, Bhutan, China, Tibet

India: Jammu & Kashmir (restricted to SE parts); Himachal Pradesh, Sikkim, Darjeeling, Meghalaya, Nagaland, Manipur

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte or lithophyte. Fairly common between 1800 and 2400 m altitude, Sarjuvalley , way to Dhakuri, Khati

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{4, 8, 9, 10}$, $37^{1, 2, 6}$

13. Zygotic chromosome number(s): $2n=72^{10}$

14. Gametic chromosome number(s): $n=37^{1, 2, 6}$,
 $36^{4, 8, 9, 10}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{1, 2, 4, 6, 8, 9, 10}

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 37II^{1, 2, 6},

36II^{4, 8, 9, 10}

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.):