

Species Datasheet

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Datasheet No. P-051.030.007
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Phymatopteris malacodon* (Hook.) Pic.Serm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Phymatodesmalacodon (Hook.) Ching

Phymatopsismalacodon (Hook.) Ching

Polypodiumalbidoglaucum C. Chr.

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: *Phymatopteris* Pic.Serm.
- Species: *Phymatopteris malacodon* (Hook.) Pic.Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: India, Nepal, Tibet, Bhutan, SW China

India: Himachal Pradesh, Sikkim, Darjeeling, Meghalaya

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Grows as a lithophyte in shade. A common fern between 2400 and 4000 m altitude, upper Sarju valley, Sundardhunga, Pindari, Kaphni

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=36^{4, 5}$

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

14. Gametic chromosome number(s): $n=36^{4, 5}$

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

Image file

16. Ploidylevel: Diploid (sexual) ^{4, 5}

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 $36 \times 10^4, 5$

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.):