

Species Datasheet

Datasheet No. P-051.030.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

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

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Crypsinusebenipes (Hook.) Copel.

Phymatodesebenipes (Hook.) Ching

Phymatopsisebenipes (Hook.) J. Sm.

Phymatopterisebenipes var. *ebenipes*

Pleopeltisebenipes (Hook.) Bedd.

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 Crabbé, Jermy & Mickel
- Genus: *Phymatopteris* Pic.Serm.
- Species: *Phymatopteris ebenipes* (Hook.) Pic.Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: India, Nepal, Bhutan, Tibet, China, north Thailand

India: Himachal Pradesh, Sikkim, Darjeeling, Meghalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Generally grows in the forest as an epiphyte or lithophyte. Uncommon fern from 1500-3600m altitude, Pindari, Dwali, Phurkia, Sikhar

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 4, 5, 6, 9}$

13. Zygotic chromosome number(s): $2n=c.72^{2, 3, 6}$

14. Gametic chromosome number(s): $n=36^{1, 4, 5, 6, 9}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 2, 3, 4, 5, 6, 9}$

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 36II^{1, 4, 5, 6, 9}

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.):