

Species Datasheet

Datasheet No. P-041.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Deparia acrostichoides* (Sw.) M. Kato

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium macrostichoides Sw.

Asplenium thelypteroides Michx.

Athyrium macrostichoides (Sw.) Diels

Athyrium thelypteroides (Michx.) Desv.

Athyrium thelypteroides f. *acrostichoides* (Sw.) Gilbert

Diplazium macrostichoides (Sw.) Butters

Diplazium thelypteroides (Michx.) C. Presl

Lunathyrium macrostichoides (Sw.) Ching

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Deparia* Hook & Grev.
- Species: *Deparia acrostichoides* (Sw.) M. Kato
- Subspecies:
- Variety:

4. Distribution:

Global: Eastern United States and Eastern Asia

India: Himalayas 2700-3600m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=40^{7,8, 11, 12, 13, 21, 24, 25, 26, 35}$

13. Zygotic chromosome number(s): $2n=80^{8, 21, 24, 35}$

14. Gametic chromosome number(s): $n=40^{7, 8, 11, 12, 13, 24, 25, 26, 80^{10, 26}}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{7, 8, 11, 12, 13, 21, 24, 25, 26, 35}

Tetraploid (sexual) ^{10, 26}

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 Diploid: $40\text{II}^{7, 8, 11, 12, 13, 24, 25, 26}$,

Tetraploid: $80\text{II}^{10, 26}$

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.):