

Species Datasheet

Datasheet No. P-042.011.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Thelypteris confluens* (Thunb.) C.V. Morton

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichumthelypteris L.

Aspidiumsquamigerum (Schltdl.) Fée

Aspidiumthelypteris (L.) Sw.

Aspidiumthelypteris var. *squamigerum* Schltdl.

Athyriumthelypteris (L.) Spreng.

Dryopteristhelypteris (L.) A. Gray.

Dryopteristhelypteris var. *squamigerum* (Schltdl.) C. Chr.

Lastreafairbankii Bedd.

Lastreathelypteris (L.) Bory.

Nephrodiumthelypteris (L.) Strempel

Polypodiumthelypteris (L.) F.W. Weiss

Polystichumthelypteris (L.) Roth

Pterisconfluens Thunb.

Thelypterispalustris (A. Gray) Schott

Thelypterissquamigera (Schltdl.) Ching

3. Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Thelypteris* Schmidel
- Species: *Thelypteris confluens* (Thunb.) C.V.Morton
- Subspecies:

- *Variety:*

4.Distribution:

Global:Canada (Newfoundland to Manitoba) and the eastern and central U.S. (Maine to South Dakota south to Florida and Texas). It is also native to Eurasia.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:commonly called marsh fern, is a deciduous fern that is native to rich muddy soils in open woodlands, marshes, bogs, wet meadows, and along ditches and streams

8.Life Form:

9.Economic Importance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35$ ^{11, 15, 14, 22, 23, 31, 39, 40, 41, 44, 49}, ³⁶8, 27, 28

13. Zygotic chromosome number(s): $2n=70$ ^{11, 15, 23, 39}

14. Gametic chromosome number(s): $n=35$ ^{14, 22, 31, 39, 40, 41, 44, 49}

³⁶8, 27, 28

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

Image file

16.Ploidy level:Diploid (sexual) 8, 14, 22, 27, 28, 31, 39, 40, 41, 44, 49

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 35II 14, 22, 31, 39, 40, 41, 44, 49 ,

36II 8, 27, 28

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.):