

Species Datasheet

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Datasheet No. P-042.015.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Macrothelypteris paludosa* (Blume) Á. Löve & D. Löve

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumpaludosum Blume

Pseudophegopteris paludosa (Blume) Ching

Thelypteris paludosa (Blume) K. Iwats.

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: *Macrothelypteris* (H.Itô) Ching
- Species: *Macrothelypteris paludosa* (Blume) Á.Löve & D.Löve
- Subspecies:
- Variety:

4.Distribution:

Global: Malayasia, Indonesia, New Guinea

India: South India-Kerala (Ootacamund), Nilgiris, MunnarKodaikanal, PonmudiPalniHills,

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

12.Basic chromosome number(s): $x=31^3$

13. Zygotic chromosome number(s): $2n=124^2$

**14. Gametic chromosome number(s): $n=31^3$,
 62^2**

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

Image file

16.Ploidy level:Diploid (sexual) 3 ,

Tetraploid (sexual) 2

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 meiosisDiploid: 31II^3 ,

Tetraploid: 62II^2

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.):