

Species Datasheet

Datasheet No. P-042.006.008
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pronephrium triphyllum* (Sw.) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteristriphylla (Sw.) C. Chr.

Nephrodium triphyllum (Sw.) Diels

Pronephrium triphyllum var. *triphyllum*

Thelypteristriphylla (Sw.) 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: *Pronephrium* C.Presl
- Species: *Pronephrium triphyllum* (Sw.) Holttum
- Subspecies:
- Variety:

4.Distribution:

Global: China (Fujian, Guangdong, Guangxi, SE Yunnan), India, Indonesia, Japan, S Korea, Sri Lanka, Taiwan, Malaysia, Myanmar; NE Australia].

India: South India-Tamil Nadu (Kothiar Hills)

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Forests; 100-600 m.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=36$ ^{11, 12, 13, 14, 15}

13. Zygotic chromosome number(s): $2n=144$ ^{12, 13, 14, 15}

14. Gametic chromosome number(s): $n=72$ ¹¹

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

Image file

16. Ploidy level: Tetraploid (sexual)^{11, 12, 13, 14, 15}

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^{72II¹¹}

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.):