

# Species Datasheet

Datasheet No. P-042.006.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Pronephrium articulatum* (Houlston & T. Moore) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Nephrodium articulatum* Houlston & T. Moore

## 3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Pronephrium* C. Presl
- Species: *Pronephrium articulatum* (Houlston & T. Moore) Holttum
- Subspecies:
- Variety:

## 4. Distribution:

**Global:** Sri Lanka, India, Burma, and W China.

**India:** Himalayas, South India- Tamil Nadu (Kothayar Hills), Nilgiris

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:** Herb- Terrestrial, Moist evergreen forests along streamlets at medium altitudes 1000-1300m

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=36^{2, 4, 10, 11}$

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

**14. Gametic chromosome number(s):** $n=36^{2, 4, 10, 11}$

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

Image file

**16.Ploidylevel:**Diploid (sexual) $^{2, 4, 10, 11}$

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<sup>2, 4, 10, 11</sup>

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.):**