

Species Datasheet

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Datasheet No. P-042.006.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pronephrium penangianum* (Hook.) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Abacopterispenangiana (Hook.) Ching

Cyclosoruspenangianus (Hook.) Copel.

Dryopterispenangiana (Hook.) C. Chr.

Goniopterispenangiana (Hook.) Bedd.

Polypodiumpenangianum Hook.

Thelypterispenangiana (Hook.) C.F. Reed

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 penangianum* (Hook.) Holttum
- Subspecies:
- Variety:

4.Distribution:

Global: China (Guangdong, Guangxi, Guizhou, S Henan, Hubei, Hunan, Jiangxi, Sichuan, Zhejiang)
Bhutan, India, Nepal, Pakistan

India: Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Sparse forests, shaded streamsides; 900-3600 m.

8.Life Form:

9.EconomicImportance:The fronds are used in traditional Chinese medicine for irregular menstruation.

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=36^{5, 6}$

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

14. Gametic chromosome number(s): $n=36^{5, 6}$

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

Image file

16.Ploidylevel:Diploid (sexual)^{5, 6}

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 $36\text{II}^{5, 6}$

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.):