

Species Datasheet

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Datasheet No. P-045.015.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Phanerophlebia caryotideia* (Wall. ex Hook. & Grev.) Copel.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Polystichumfalcatum var. *caryotideum* (Wall. ex Hook. & Grev.) Matsum.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Phanerophlebia* C.Presl
- Species: *Phanerophlebia caryotideia* (Wall. ex Hook. & Grev.) Copel.
- Subspecies:
- Variety

4.Distribution:

Global: China (Chongqing, S-Gansu, N-Guangdong, Guangxi, Guizhou, W-Hubei, Hunan, Jiangxi, S-Shaanxi, W-Sichuan, Yunnan), Taiwan, Tibet, Japan, South Korea, Hawaii (Kauai, Oahu, Molokai, Lanai, Maui, Hawaii Isl.), Myanmar, India, Vietnam, +Philippines, Nepal, Bhutan, Sri Lanka, Pakistan (Swat, Hazara), USA (introduced) (Alabama (introduced), Louisiana (introduced))

India: Himachal Pradesh, Uttar Pradesh, Darjeeling, Khasia Hills, Arunachal Pradesh

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): $x=41^{1, 2}$

13. Zygotic chromosome number(s): $2n=123^{1, 2}$

14. Gametic chromosome number(s): $n=123^{1, 2}$

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

Image file

16.Ploidylevel: Triploid (apogamous)^{1, 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 meiosis Triploid (Apogamous) :8-celled sporangium 123II^{1, 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; Translocation etc.):