

Species Datasheet

Datasheet No. P-045.010.048
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris stenolepis* (Baker) C. Chr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteris atrata var. *stenolepis* (Baker) Tagawa

Dryopteris gamblei (C. Hope) C. Chr.

Dryopteris shirtipes var. *stenolepis* (Baker) C. Chr.

Nephrodium gamblei C. Hope

Polypodium stenolepis Baker

Thelypteris stenolepis (Baker) C.F. Reed

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: *Dryopteris* Adans.
- Species: *Dryopteris stenolepis* (Baker) C. Chr.
- Subspecies:
- Variety:

4. Distribution:

Global: China (Gansu (Wenxian), Guangxi, Sichuan, Xizang, Yunnan), Taiwan, Bhutan, India, Nepal

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Streamsides in forests, slopes; 700-2200 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{19, 53}$

13. Zygotic chromosome number(s): $2n=82^{19, 53}$,
c.123³⁴

14. Gametic chromosome number(s): $n=82^{19}$

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

Image file

16.Ploidy level:Diploid (apogamous) ¹⁹,

Diploid (sexual)⁵³

Image file

Triploid³⁴

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 (apogamous): 8-celled sporangium 82II¹⁹

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.):Apogamy¹⁹