

# Species Datasheet

Datasheet No. P-045.010.001  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Dryopteris acutodentata* Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Dryopteris filix-mas* subsp. *kingii* (C. Hope) C. Chr.

*Dryopteris silaensis* Ching

*Nephrodium kingii* C. Hope

## 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 acutodentata* Ching
- Subspecies:

## 4.Distribution:

**Global:** China (W-Sichuan, NW-Yunnan), SE-Tibet, , Bhutan, Nepal, India

**India:** Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, 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):** $x=41^{19, 34, 43, 56, 97}$

**13. Zygotic chromosome number(s):** $2n=c.82^{34}$  , $123^{19}$

**14. Gametic chromosome number(s):** $n=41^{43, 56}$  ,  $123^{19, 97}$

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

Image file

**16.Ploidylevel:**Diploid (sexual) $^{34, 43, 56}$

Triploid (apogamous) $^{19, 97}$

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**Diploid :  $41\Pi^{43, 56}$

Triploid (apogamous):  $123\Pi^{19, 97}$

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.):**