

Species Datasheet

Datasheet No. P-045.010.033
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris marginata* (C.B. Clarke) Christ

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium filix-mas var. *marginatum* (C.B. Clarke) Christ

Dryopteris blinii H. Lév.

Dryopteris chiui Ching

Dryopteris grandissima Tagawa

Nephrodium filix-mas var. *marginatum* C.B. Clarke

Nephrodium marginatum (C.B. Clarke) 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 marginata* (C.B. Clarke) Christ
- Subspecies:
- Variety:

4. Distribution:

Global: China (Guangxi, Guizhou, Jiangxi, Sichuan, Yunnan), Taiwan, India, Pakistan, Sri Lanka, peninsular Malaysia, Nepal, Bhutan, Myanmar, Vietnam

India: Throughout Himalayas, peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Large sized fern

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{19, 25, 43, 48, 55, 56, 85}$

13. Zygotic chromosome number(s): $2n=164^{70}$

14. Gametic chromosome number(s): $n=41^{19, 25, 43, 48, 55, 56, 85},$
 82^{70}

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

Image file

16.Ploidy level:Diploid (sexual) $^{19, 25, 43, 48, 55, 56, 85},$
Tetraploid (sexual) 70

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: $41\text{II}^{19, 25, 43, 48, 56, 85}$,

Tetraploid: 82II^{70}

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.):