

Species Datasheet

Datasheet No. P-045.010.023
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris fructuosa* (Christ) C. Chr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumvarium var. *fructuosum* Christ

Dryopterisadenorachis C. Chr.

Dryopterisapicifixa Ching, Boufford & K.H. Shing

Dryopterisfructuosa var. *fructuosa*

Dryopterishypophlebia Hayata

Dryopterispseudosabaei Hayata

Nephrodiumfructuosum (Christ) Hand.-Mazz.

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 fructuosa* (Christ) C. Chr.
- Subspecies:
- Variety:

4. Distribution:

Global:China (Hubei, Sichuan, Yunnan), Tibet, Taiwan, Bhutan, India, Nepal, Myanmar , Sikkim

India: Sikkim

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:*Pinus* forests or evergreen broad-leaved forest margins; grows in the crevices of dry rocks 1800-3400 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{43, 56}$

13. Zygotic chromosome number(s): $2n=123^{43, 56}$

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

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

Image file

16.Ploidylevel: Triploid (apogamous)^{43, 56}

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^{43, 56}

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.): Apogamy^{43, 56}