

Species Datasheet

Datasheet No. P-045.009.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyrtomium falcatum* (L. f.) C. Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium falcatum (L. f.) Sw.

Cyrtomium yangshanense Ching & Y.C. Lan

Dryopteris falcata (L. f.) Kuntze

Phanerophlebia falcata (L. f.) Copel.

Polypodium falcatum L. f.

Polystichum falcatum (L. f.) Diels

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Cyrtomium* C. Presl.
- Species: *Cyrtomium falcatum* (L.f.) C. Presl
- Subspecies:
- Variety:

4. Distribution:

Global: Native to eastern [Asia](#), Korean Peninsula, Japan, Dokdo Islands

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:It grows from crevices, coastal cliffs, streambanks, rocky slopes, and other moist, stable areas.

8.Life Form:

9.Economic Importance:Ornamental plant in temperate climate gardens

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=41^{1, 2, 5, 11, 13}$

13. Zygotic chromosome number(s): $2n=123^{1, 2, 5, 11}$

14. Gametic chromosome number(s): $n=123^{1, 2, 5, 11, 13}$

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

Image file

16.Ploidy level:Triploid (apogamous) 1, 2, 5, 11, 13

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, 5, 11, 13}

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.): Apogamous^{1, 2, 5, 11, 13}