

Species Datasheet

Datasheet No. P-051.011.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polypodiodes amoena* (Wall. ex Mett.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Goniophlebium amoenum (Wall. ex Mett.) J. Sm. ex Bedd.

Goniophlebium yunnanense (Franch.) Bedd.

Polypodiodes amoena var. *amoena*

Polypodium amoenum Wall. ex Mett.

Polypodium amoenum var. *latideltoides* Christ

Polypodium arisanense Hayata

Polypodium bonatianum Brause

Polypodium valde alatum Christ

Polypodium yunnanense Franch.

Schellolopsis amoena (Wall. ex Mett.) J. Sm.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Polypodiodes* Ching
- Species: *Polypodiodes amoena* (Wall. ex Mett.) Ching
- Subspecies:
- Variety:

4. Distribution:

Global:China (Anhui, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangxi, Shanxi, Sichuan, Xizang, Yunnan, Zhejiang) Taiwan, Bhutan, India, Laos, Myanmar, Nepal, Thailand, Vietnam

India: Himalayas, Darjeeling, Mussoorie, Meghalaya, Himachal Pradesh, Sikkim, Uttarakhand

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic on tree trunks or on rocks; 1000-2500 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{2, 4, 5, 8, 9}, 37^{6, 7, 11}$

13. Zygotic chromosome number(s): $2n=72^{8, 9}$

14. Gametic chromosome number(s): $n=36^{2, 4, 5, 8, 9},$

$37^{6, 11},$

$c.37^7$

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

Image file

16.Ploidylevel:Diploid (sexual) 2, 4, 5, 6, 7, 8, 9, 11

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 36II^{2, 4, 5, 8, 9,}

37II^{6, 7, 11}

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.):