

Species Datasheet

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Datasheet No. P-051.010.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polypodiastrum argutum* (Wall. ex Hook.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Polypodiastrum argutum var. *argutum*

Polypodium argutum Wall. ex Hook.

Schellolepis arguta (Wall. ex Hook.) J. Sm.

3. Systematic Position:

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

4. Distribution:

Global: China (Guangxi, Guizhou, Xizang, Yunnan), Bhutan, India, Myanmar, Thailand, Nepal

India: NE-India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphytic on tree trunks or on rocks ; 2300-2700m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=35^{1,3}, 37^2$

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=37^2,$
 $35^{1,3}$

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

Image file

16.Ploidylevel:Diploid (sexual)^{1, 2, 3}

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 37II^2 ,

$35\text{II}^{1,3}$

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.):