

Species Datasheet

Datasheet No. P-045.002.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Arachniodes coniifolia* (T. Moore) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Byrsopterisconiifolia (T. Moore) C.V. Morton

Lastreaconiifolia T. Moore

Rumohrawallichii Ching

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: *Arachniodes* Blume
- Species: *Arachniodes coniifolia* (T. Moore) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: China (Chongqing, Guangxi, Guizhou, Sichuan, Yunnan), India, Bhutan, Nepal, Burma, Thailand, Sikkim, Vietnam, Philippines

India: Darjeeling, Arunachal Pradesh, Meghalaya, Khasia Hills, Garo Hills

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=41^{4, 9, 10}$

13. Zygotic chromosome number(s): $2n=164^4$

14. Gametic chromosome number(s): $n=41^{9, 10}, 82^4$

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

Image file

16. Ploidylevel:Diploid (sexual)^{9, 10}, Tetraploid (sexual)⁴

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 meiosisDiploid: $41\text{II}^9, 10$

Tetraploid: 82II^4

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.):