

# Species Datasheet

Datasheet No. P-045.002.001  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Arachniodes amabilis* (Blume) Tindale

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Aspidium amabile* Blume

*Byrsopteris amabilis* (Blume) C.V. Morton

*Dryopteris amabilis* (Blume) Kuntze

*Nephrodium amabile* (Blume) Hand.-Mazz.

*Polystichopsis amabilis* (Blume) Tagawa

*Polystichum amabile* (Blume) J. Sm.

*Rumohra amabilis* (Blume) 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 amabilis* (Blume) Tindale
- Subspecies:
- Variety:

## 4.Distribution:

**Global:** China (Anhui, Chongqing, Fujian), Taiwan, Yunnan, Japan, Indonesia, Korea, Nepal, Sri Lanka,, India, Phillipines.

**India:** Central India-Pachmarhi, Tridhara Gorges, South India- Tamil Nadu-Kodaikanal, Uttu-PerumalMalai Road

**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):** $x=41^{5, 6, 11, 12, 13, 14, 15, 16, 17, 18}$

**13. Zygotic chromosome number(s):** $2n=164^{11, 12}$

**14. Gametic chromosome number(s):** $n=41^{5, 15, 17, 18}$  ,  $82^{5, 6, 13, 14, 16}$

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

Image file

**16.Ploidylevel:**Diploid (sexual)  $^{5, 15, 17, 18}$  ,

Tetraploid (sexual) <sup>5, 6, 11, 12, 13, 14, 16</sup>

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** Diploid: 41II (sexual) <sup>5, 15, 17, 18</sup>,

Tetraploid: 82II<sup>5, 6, 13, 14, 16</sup>

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.):**