

# Species Datasheet

Datasheet No. P-037.001.035  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Asplenium phyllitidis* D. Don

Subspecies:

Variety:

Cultivar

Hybrid

Image file

**2. Synonyms:** *Neottopteris phyllitidis* (D. Don) J. Sm.

## 3.Systematic Position:

**Christenhusz 2011**

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Aspleniaceae Newman
- Subfamily:
- Genus: *Asplenium* L.
- Species: *Asplenium phyllitidis* D.Don
- Subspecies:
- Variety:

## 4.Distribution:

**Global:** China (Guangxi, Guizhou, Hainan, Sichuan, Yunnan), Tibet, Myanmar [Burma], Nepal, Thailand, Vietnam, Singapore, India (widespread), Nicobar Isl., peninsular Malaysia, Bangladesh, Philippines, Sulawesi

**India:** Kerala (Kannur, Kozhikkode, Wayanad, Palakkad, Thrichur, Ernakulam, Idukki, Pathanamthitta, Thiruvananthapuram districts)

## 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):** $x=36^{1, 4}$

**13. Zygotic chromosome number(s):** $2n=144^{1, 4}$

**14. Gametic chromosome number(s):** $n=$

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

Image file

**16.Ploidy level:**Tetraploid (sexual)  $^{1, 4}$

Image file

**17.Agametoploidy:**

**18.Nature of polyploidy (auto, segmental, allo, autoallo):**

**19.Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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**

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.):**