

# Species Datasheet

Datasheet No. P-051.011.004  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Polypodiodes microrhizoma* (C.B. Clarke ex Baker) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Goniophlebiumfieldingianum* (Kunze ex Mett.) T. Moore

*Goniophlebiummicrorhizoma* (C.B. Clarke ex Baker) Clarke ex Bedd.

*Polypodiumdeorsipinnatum* Copel.

*Polypodiumfieldingianum* Kunze ex Mett.

*Polypodiummicrorhizoma* C.B. Clarke ex Baker

*Polypodiumtaliense* Christ

## 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 microrhizoma* (C.B. Clarke ex Baker) Ching
- Subspecies:
- Variety:

## 4.Distribution:

Global:

**India:** Throughout Himalayas, Darjeeling, Mussoorie, Meghalaya, Himachal Pradesh, Uttarakhand

**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):** $x=36^{1, 2, 4, 5, 8, 9}, 37^6$

**13. Zygotic chromosome number(s):** $2n=$

**14. Gametic chromosome number(s):** $n=37^6,$

$36^{1, 2, 4, 5, 8, 9}$

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

Image file

**16.Ploidylevel:**Diploid (sexual)  $^{1, 2, 4, 5, 6, 8, 9}$

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**  $37\text{II}^6$  ,

$36\text{II}^{1, 2, 4, 5, 8, 9}$

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.):**