

# Species Datasheet

Datasheet No. P-042.014.011  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Cyclosorus terminans* (J. Sm. ex Hook.) K.H. Shing

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Amphineuronterminans* (J. Sm. ex Hook.) Holttum

*Nephrodiumterminans* J. Sm. ex Hook.

## 3.Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Cyclosorus* Link
- Species: *Cyclosorus terminans* (J.Sm. ex Hook.) K.H.Shing
- Subspecies:
- Variety:

## 4.Distribution:

**Global:** Tropics of Asia to Australia (Queensland).

**India:** South India (Palni hills, Tirunelveli hills)

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

## 6. Threat Status:

IUCN:

BSI:

**7. Habit and Habitat:** Common on rather dry mountain slopes in forests at low or medium altitudes up to 1200 m alt.

**8. Life Form:**

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

| C-value | Methodology |
|---------|-------------|
|---------|-------------|

**12. Basic chromosome number(s):** $x=36$ <sup>29</sup>

**13. Zygotic chromosome number(s):** $2n=72$ <sup>29</sup> ,  
 $144$ <sup>19</sup>

**14. Gametic chromosome number(s):** $n=36$ <sup>29</sup> ,  
 $72$ <sup>8, 17</sup>

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

Image file

**16. Ploidy level:** Diploid (sexual)<sup>29</sup> ,

Tetraploid (sexual) <sup>8, 17, 19</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:  $36\text{II}^{29}$ ,

Tetraploid:  $72\text{II}^{8, 17}$

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.):**