

Species Datasheet

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Datasheet No. P-042.014.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cyclosorus parasiticus* (L.) Farw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumparasiticum (L.) Sw.

Cyclosorusparasiticus var.
parasiticus

Dryopterisparasitica (L.) Kuntze

Nephrodiumparasiticum (L.) Desv.

Polypodiumparasiticum L.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Cyclosorus* Link
- Species: *Cyclosorus parasiticus* (L.) Farw.
- Subspecies:
- Variety:

4.Distribution:

Global:Tropics and subtropics in Asia, north to S Japan and south

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On rather dry slopes along path in open places or in evergreen forests at low to medium altitudes

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{26, 31}$

13. Zygotic chromosome number(s): $2n=72^{26}$,
 144^6

14. Gametic chromosome number(s): $n=36^{26, 31}$,
 $72^{11, 13, 20, 31}$

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

Image file

16.Ploidy level:Diploid (sexual) ^{26, 31} ,

Tetraploid (sexual) ^{6, 11, 13, 20, 31}

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: $36\text{II}^{26, 31}$,

Tetraploid: $72\text{II}^{11, 13, 20, 31}$

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.):