

Species Datasheet

Datasheet No. P-042.014.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyclosorus interruptus* (Willd.) H. Itô

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[Aspidiumcontinuum](#) Desv.

[Aspidiumecklonii](#) Kunze

[Aspidiumgongylodes](#) Schkuhr

[Aspidiumobtusatum](#) Sw.

[Aspidiumserra](#) (Sw.) Sw.

[Aspidiumserratum](#) Sw.

[Aspidiumunitum](#) (L.) Sw.

[Aspidiumunitum](#) var. *hirsutum* Mett.

[Dryopterisgongylodes](#) (Schkuhr) Kuntze

[Dryopterisgongylodes](#) var. *hirsuta* (Mett.) Bonap.

[Dryopterisinterrupta](#) (Willd.) Ching

[Nephrodiumgongylodes](#) (Schkuhr) Schott

[Nephrodiumpaludosum](#) Liebm.

[Nephrodiumpropinquum](#) R. Br.

[Nephrodiumunitum](#) R. Br.

[Polypodiumtottum](#) Thunb.

[Pterisinterrupta](#) Willd.

[Thelypterisgongylodes](#) (Schkuhr) Kuntze ex Small

[Thelypterisinterrupta](#) (Willd.) K. Iwats.

[Thelypteristotta](#) var. *hirsuta* (Mett.) C.V. Morton

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 interruptus* (Willd.) H.Itô
- Subspecies:
- Variety:

4.Distribution:

Global: Mexico, Argentina, Antilles, India, China, Malaysia, Sri Lanka, South Africa, Australia, New Zealand, Pacific Ocean, Hawaii

India: Peninsular India

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): $x=36^{2, 3, 5, 9, 10, 17, 18, 21, 22, 23, 27}$

13. Zygotic chromosome number(s): $2n=72^{2, 3, 5, 21, 22, 27}$

14. Gametic chromosome number(s): $n=36^{9, 10, 17, 18, 23, 27}$,
 $72^{2, 3}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{2, 3, 5, 9, 10, 17, 18, 21, 22, 23, 27}$,
Tetraploid (sexual) $^{2, 3}$

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 meiosisDiploid: $36\text{II}^{9, 10, 17, 18, 23, 27}$,

Tetraploid: $72\text{II}^{2, 3}$

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;Translocationsetc.):