

Species Datasheet

Datasheet No. P-042.007.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pseudocyclosorus repens* (C. Hope) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteris repens (C. Hope) C. Chr.

Nephrodium repens C. Hope

Thelypteris repens (C. Hope) Ching

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: *Pseudocyclosorus* Ching
- Species: *Pseudocyclosorus repens* (C. Hope) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: India, Thailand, Myanmar, Vietnam, SE-Tibet

India: Sikkim, Meghalaya, Himachal Pradesh, Uttarakhand

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

6.Threat Status:

IUCN:Least concern

BSI:

7.Habit and Habitat:On wet sandy ground by streams or in paddy fields at medium altitudes.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{1, 2, 7, 8, 11, 14, 15}$

13. Zygotic chromosome number(s): $2n=105^{7, 8}$

14. Gametic chromosome number(s): $n=35^{1, 2, 7, 8, 11, 14, 15}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 2, 7, 8, 11, 14, 15}$

Triploid (sterile, hybrid) $^{7, 8}$

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:35II^{1, 2,7, 8, 11, 14, 15}

Triploid (sterile) Meiosis irregular^{7, 8}

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.):