

Species Datasheet

Datasheet No. P-051.015.022
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pyrrosia porosa* (C. Presl) Hovenkamp

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Cyclophorusalcicornu Christ

Cyclophoruspekinensis f. *minor* C. Chr.

Cyclophorusporosus (C. Presl) C. Presl

Niphobolusporosus C. Presl

Niphobolussticticus var. *major* Christ

Polypodiumporosum (C. Presl) Mett.

Pyrrosiamollis f. *alcicornu* (Christ) Ching

Pyrrosiamollis var. *mollissima* Ching

Pyrrosiaporosa var. *porosa*

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Platycerioideae B.K. Nayar
- Genus: *Pyrrosia* Mirb.
- Species: *Pyrrosia porosa* (C. Presl) Hovenkamp
- Subspecies:
- Variety:

4.Distribution:

Global: India, Pakistan, Nepal, Bhutan, China, Taiwan, S Japan, Thailand, Vietnam, Laos, Myanmar, Sri Lanka

India: Jammu, Himachal Pradesh, Sikkim, Darjeeling, Meghalaya, Manipur, Tripura, Tamil Nadu, Kodaikanal, Nilgiri hills, Kerala

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte or occasionally as a lithophyte. A rather common fern from 1200-2000m altitude,

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=36^{17}$, 37^4

13. Zygotic chromosome number(s): $2n=72^{17}$

14. Gametic chromosome number(s): $n=36^{17}$,
 74^4

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

Image file

16.Ploidylevel:Diploid (sexual)¹⁷

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 : 36×17

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.):