

Species Datasheet

Datasheet No. P-051.015.012
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pyrrosia longifolia* (Burm. f.) C.V. Morton

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Acrostichumbicolor* Cav.](#)

[*Acrostichumlongifolium* Burm. f.](#)

[*Candollealongifolia* \(Burm. f.\) Mirb.](#)

[*Cyclophorusacrostichoides* \(G. Forst.\) C. Presl](#)

[*Cyclophorusacrostichoides* var. *backeri* Alderw.](#)

[*Cyclophorusacrostichoides* f. *carnosa* Alderw.](#)

[*Cyclophorusacrostichoides* var. *fissum* \(Blume\) Bonap.](#)

[*Cyclophorusacrostichoides* var. *gracilis* Copel.](#)

[*Cyclophoruscinnamomeus* Alderw.](#)

[*Cyclophorusinduratus* Christ](#)

[*Cyclophoruslongifolius* \(Burm. f.\) Desv.](#)

[*Cyclophorusmacropodus* \(Baker\) C. Chr.](#)

[*Cyclophorus scolopendrium* Desv.](#)

[*Cyclophorusvalleculosus* Alderw.](#)

[*Gyrosoriumfissum* \(Blume\) C. Presl](#)

[*Niphobolusacrostichoides* \(G. Forst.\) Bedd.](#)

[*Niphobolusfissus* Blume](#)

[*Niphoboluslongifolius* \(Burm. f.\) Spreng.](#)

[*Niphoboluspuberulus* Blume](#)

[*Niphobolusscolopendrium* \(Desv.\) T. Moore](#)

[*Polypodiumacrostichoides* G. Forst.](#)

[*Polypodiumfissum* \(Blume\) Baker](#)

[*Polypodiummacropodum* Baker](#)

[*Pyrrosiaacrostichoides* \(G. Forst.\) Ching](#)

[*Pyrrosiacoccideisquamata* Gilli](#)

[*Pyrrosiafissa* \(Blume\) Mehra](#)

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 longifolia* (Burm.f.) C.V. Morton
- Subspecies:
- Variety:

4. Distribution:

Global: Found throughout Southeast Asia, through to Australia and the Pacific.

India: South India-Wynad, Upper Kothayar

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Grows on the branch forks of old trees with fronds hanging down

8. Life Form:

9. Economic Importance: The juice of the plant is applied to the woman in labour

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=36^{18, 19}$, 37^{21}

13. Zygotic chromosome number(s): $2n=74^{21}$

14. Gametic chromosome number(s): $n=36^{18, 19}$,

$108-111^9$

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

Image file

16. Ploidylevel: Diploid (sexual) $^{18, 19, 21}$,

Triploid 9

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 II^{18, 19}

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.):