

Species Datasheet

Datasheet No. P-030.014.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cerosora microphylla* (Hook.) R.M. Tryon

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Anogrammamicrophylla (Hook.) Diels

Grammitismicrophylla (Hook.) Bedd.

Gymnogrammamicrophylla Hook.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C.Chr. ex Crabbe, Jermy & Mickel
- Genus: *Cerosora* (Baker) Domin
- Species: *Cerosora microphylla* (Hook.) R.M.Tryon
- Subspecies:

4.Distribution:

Global:China (Guangxi, Guizhou, Yunnan), India Nepal, Bhutan, Myanmar ,

India: E-India, NE-India, Darjeeling, Sikkim, Arunachal Pradesh, Meghalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Montane gorges, on rocks, in rock crevices, 1100-2900m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=29^1$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=58^1$

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

Image file

16.Ploidylevel:Tetraploid (sexual)¹

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 58 II ¹

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.):