

Species Datasheet

Datasheet No. P-030.007.015
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cheilanthes rufa* D. Don

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aleuritopteris rufa (D. Don) Ching

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthoideae W.C. Shieh
- Genus: *Cheilanthes* Sw.
- Species: *Cheilanthes rufa* D.Don
- Subspecies:

4.Distribution:

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

India: Himalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Rock crevices on slopes, rock walls; 1000-3000 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=29^{7, 15, 25}$

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

14. Gametic chromosome number(s): $n=29^{7, 15, 25}$

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

Image file

16.Ploidy level: Diploid (sexual) $^{7, 15, 25}$

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 29II 7, 15, 25

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.):