

Species Datasheet

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Datasheet No. P-025.003.011
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cyathea nilgirensis* Holttum (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Cyatheales A.B.Frank in J.Leunis
- Family: Cyatheaceae Kaulf.
- Subfamily:
- Genus: *Cyathea* Seg.
- Species: *Cyathea nilgirensis* Holttum (unresolved)
- Subspecies:

4.Distribution:

Global:India

India: South India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:seen growing in the deep shade of the swampy forest

8.LifeForm:Tree fern, perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=69^{11, 12}$

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

14. Gametic chromosome number(s): $n=69^{11, 12}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{11, 12}$

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 69II^{11, 12}

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.):