

Species Datasheet

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Datasheet No. P-045.003.011
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bolbitis semicordata* Ching in C.Chr. ([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: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Elaphoglossoideae (Pic. Serm.) Crabbe, Jermy & Mickel
- Genus: *Bolbitis* Schott
- Species: *Bolbitis semicordata* Ching in C.Chr. ([unresolved](#))
- Subspecies:
- Variety:

4.Distribution:

Global:

India: distributed in the Western Ghats of Karnataka, Kerala and Tamil Nadu at an altitude of 400 to 1800 m

5.Indigenous/Exotic/Endemic;Cultivated/Wild:Endemic to S India

6.Threat Status:

IUCN:Least Concern [ver 3.1](#)

BSI:

7.Habit and Habitat:commonly grows on rocks, often near streams in moist deciduous, semievergreen and evergreen forests

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{1, 3, 6, 11}$

13. Zygotic chromosome number(s): $2n=82^{11}$

14. Gametic chromosome number(s): $n=41^{1, 3, 6, 11}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{1, 3, 6, 11}$

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 41 II^{1, 3, 11}

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.):