

Species Datasheet

-

Datasheet No. P-045.003.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bolbitis quoyana* Ching ([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 quoyana* Ching ([unresolved](#))
- Subspecies:
- Variety:

4.Distribution:

Global: Australia (Northern Territory (NT), known only from Dinner Creek, Kakadu National Park The species is also known from several localities on Cape York Peninsula, Queensland where it is recorded as common in lowland rainforest). It also occurs in Malaysia and east to Samoa.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows in a protected, wet gorge where rooted onto sandstone rocks.

8.Life Form:Perennial Herbaceous

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{13}$

13. Zygotic chromosome number(s): $2n=82^{13}$, $123^{2, 3, 4, 11}$

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid (sexual) 13 ,

Triploid (sterile hybrid) $^{2, 3, 4, 11}$

Image file

17.Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo): Allotriploid^{2, 3, 4, 11}

19. Genomic formula: AAB^{2, 3, 4, 11}

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:⁴

Karyotype Median, submedian, subterminal and terminal⁴

Chromosome size Small⁴

NOR chromosome(s)

Degree of asymmetry Asymmetrical⁴

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 Triploid: $41\Pi + 41\Pi^2, 3, 4, 11$

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.):