

Species Datasheet

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Datasheet No. P-009.004.009
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Crepidomanes schmidtianum* (Zenker ex Taschner) K.Iwats.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lacosteopsisitubuensis (H. Itô) Nakaike

Trichomanespyxidiferum var. *limbatum* Wall. exBedd.

Trichomanesschmidtianum Zenker ex Taschner

Trichomanestitubuense (H. Itô) C.V. Morton

Vandenboschiaschmidtiana (Zenker ex Taschner) Copel.

Vandenboschiatitubuensis H. Itô

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Hymenophyllales A.B.Frank in J.L.Leunis
- Family: Hymenophyllaceae Mart.
- Subfamily:
- Genus: *Crepidomanes* (C.Presl.) C.Presl.
- Species: *Crepidomanes schmidtianum* (Zenker ex Taschner) K.Iwats.
- Subspecies:

4.Distribution:

Global: China (Guangxi), Tibet, Bhutan, India, Japan, Nepal, , Myanmar [Burma], Bangladesh, Philippines, Sulawesi

India: South India-Nilgiris, Palni Hills, Kodaikanal,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 6, 7, 8, 12, 20}$

13. Zygotic chromosome number(s): $2n=144^1$

14. Gametic chromosome number(s): $n=36^{20}, 72^{1, 6, 7, 8, 12}$

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

Image file

16.Ploidylevel:Diploid (sexual) 20 , Tetraploid (sexual) $^{1, 6, 7, 8, 12}$

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 meiosisDiploid: 36II^{20} ,

Tetraploid : $72\text{II}^{1, 6, 7, 8, 12}$

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;Translocationsetc.):