Species Datasheet

Datasheet No. P-009.004.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Crepidomanes latealatum* (Bosch) Copel.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Crepidomanesacuto-obtusum (Hayata) K. Iwats.
Crepidomanesboninense (Koidz.) Tagawa
*Crepidomaneschiuii*Ching& P.S. Chiu
Crepidomanesinsigne (Bosch) Fu
Crepidomanesinsigne var. *makinoi* (C. Chr.) Sa. Kurata
Crepidomanesmakinoi (C. Chr.) Copel.
Crepidomanesmakinoi var. *tosae* (Christ ex Matsum.) K. Iwats.
*Crepidomanesomeiense*Ching& P.S. Chiu
*Crepidomanespaucinervium*Ching
Crepidomanesplicatum(Bosch) Ching
Crepidomanesracemulosum (Bosch) Ching
*Crepidomanessmithiae*Ching
Crepidomanestagawanum K. Iwats.
*Crepidomanesyunnanense*Ching& P.S. Chiu
Didymoglossumeuphlebium Bosch
Didymoglossuminsigne Bosch
Didymoglossumlatealatum Bosch
Didymoglossumplicatum Bosch
Didymoglossumracemulosum Bosch
*Trichomanesacutilobum*Ching
*Trichomanesacuto-obtusum*Hayata
Trichomanesbipunctatum var. *insigne* (Bosch) Bedd.
Trichomanesbipunctatum var. *latealatum* (Bosch) C.B. Clarke
Trichomanesbipunctatum var. *plicatum* (Bosch) Bedd.
*Trichomanesboninense*Koidz.
Trichomanesinsigne (Bosch) Bedd.

Trichomaneslatealatum (Bosch) Christ
Trichomanesmakinoi C. Chr.
Trichomanesmakinoi var. *tosae* (Christ ex Matsum.) Lellinger
Trichomanesplicatum(Bosch) Bedd.
Trichomanestosae Christ ex Matsum.
*Trichomanesviridans*Mett.

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 latealatum* (Bosch) Copel.
- Subspecies:

4.Distribution:

Global: China (Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang), South Korea, Taiwan, Tibet, India, Bhutan, Myanmar , Japan, Ryukyu Isl., Thailand (widespread), Laos, Vietnam, peninsular Malaysia (Fraser's Hill and Cameron Highlands, Pahang), Sumatra, Nepal

India: Himachal Pradesh, Uttarakhand, Sikkim, Darjeeling, Assam, S-India, W-India, Arunachal Pradesh

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: On mossy tree trunks or on mossy or muddy rocks in moist dense forest, common at various altitudes

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value Methodology

12.Basic chromosome number(s):x=36[4, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 21, 22]

13. Zygotic chromosome number(s):2n=72[12, 13, 21, 22]

14. Gametic chromosome number(s):n=36[4, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18]

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

Image file

16.Ploidylevel: Diploid (sexual)[4, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22]

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 Diploid: 36II[4, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18] ,

Diploid (sterile): 9II+54I [21, 22],36I+18II, 23I+23II+1III[12, 13]

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.):