

Species Datasheet

Datasheet No. P-009.002.001

(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Trichomanes pyxidiferum* L.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Polyphlebium pyxidiferum (L.) Ebihara & Dubuisson

Trichomanes brasiliense Desv.

Trichomanes cavifolium Müll. Berol.

Trichomanes junceum Christ

Trichomanes olivaceum Kunze ex Klotzsch

Trichomanes stranninense Fée

Vandenboschia pyxidifera (L.) Copel.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Hymenophyllales A.B. Frank in J.L. Leunis
- Family: Hymenophyllaceae Mart.
- Subfamily:
- Genus: *Trichomanes* L.
- Species: *Trichomanes pyxidiferum* L.
- Subspecies:

4. Distribution:

Global:

India: Eastern Himalayas

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
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12.Basic chromosome number(s): $x=36$ ¹

13. Zygotic chromosome number(s): $2n=108$ ¹

14. Gametic chromosome number(s): $n=36$ ¹

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

Image file

16.Ploidylevel:Diploid (sexual)¹ , Triploid¹

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^1 , Triploid: $22\text{I}+25\text{II}=12\text{III}$, $28\text{I}+25\text{II}+10\text{III}^1$

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.):