

Species Datasheet

Datasheet No. P-030.005.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Antrophyum plantagineum* (Cav.) Kaulf.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Hemionitis plantaginea Cav.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Antrophyum* Kaulf.
- Species: *Antrophyum plantagineum* (Cav.) Kaulf.
- Subspecies:
- Variety:

4.Distribution:

Global: India, Malaysia, Polynesia, Philippines and Sri Lanka

India: Kerala (Wayanad, Idukki and Palakkad districts)

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Epiphytic herb, Evergreen forests

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=45^{1, 2, 3}$

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

14. Gametic chromosome number(s): $n=45^{2, 3}, 180^1$

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

Image file

16. Ploid level: Diploid (sexual)^{2, 3}

12-ploid (sexual)¹

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: $45\text{II}^{2,3}$, 12-ploid: 180II^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.):