

Species Datasheet

Datasheet No. P-048.002.005
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Tectaria decurrens* (C. Presl) Copel.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium decurrens C. Presl

Aspidium ridleyanum Alderw.

Cardiochlaena alata Fée

Sageniadeccurrens (C. Presl) T. Moore

Sageniapteropus T. Moore

Tectariaridleyana (Alderw.) C. Chr.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Tectariaceae Panigrahi
- Subfamily:
- Genus: *Tectaria* Cav.
- Species: *Tectaria decurrens* (C. Presl) Copel.
- Subspecies:
- Variety:

4. Distribution:

Global: China (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Yunnan), India, Indonesia, Japan, Taiwan, Myanmar, Nepal, Philippines, Thailand, Vietnam

India: Western Ghats-Munnar

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On rocks or near streams in dense forests; below 1200 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=40^{28}$

13. Zygotic chromosome number(s): $2n=160^{1, 2, 6, 7, 17}$

14. Gametic chromosome number(s): $n=40^{28}$

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

Image file

16.Ploidylevel:Diploid (sexual) ²⁸

Tetraploid (sterile hybrid) ^{1, 2, 6, 7, 17}

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: 40II^{28}

Tetraploid: $\text{IIs and Is}^{1, 2}$

$40\text{II}+80\text{I}^{6, 7}$

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.):