

Species Datasheet

Datasheet No. P-048.002.008
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Tectaria gemmifera* (Fée) Alston

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumcicutarium (L.) Sw.

Aspidiumcoadunatum Kaulf.

Aspidiumdecaryanum C. Chr.

Aspidiumgemmiferum (Fée) Ching

Nephrodiumcicutarium (L.) Baker

Sageniagemmifera Fée

Tectariacoadunata C. Chr.

Tectariacoadunata var. *gemmifera* (Fée) C. Chr.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.

- Family: TectariaceaePanigrahi
- Subfamily:
- Genus: *Tectaria* Cav.
- Species: *Tectaria gemmifera* (Fée) Alston
- Subspecies:
- Variety:

4.Distribution:

Global:Native to Africa from the equator southwards, and is present in the [DRC](#), [Uganda](#), [Kenya](#), [Tanzania](#), [Rwanda](#), [Burundi](#), [Angola](#), [Zambia](#), [Malawi](#), [Mozambique](#), [Zimbabwe](#), [South Africa](#) and [Madagascar](#)

India: S-India (introduced)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Its natural habitat is deeply shaded forest floors^[2] of moist subtropical or tropical forest, and it occurs from 600 to 2,550 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=40^{3, 17}, 41^4$

13. Zygotic chromosome number(s): $2n=80^{17}$

14. Gametic chromosome number(s): $n=41^4,$

40^3

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

Image file

16.Ploidy level:Diploid (sexual) $^{3, 4}$

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 41II^4 ,

40II^3

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.):