

Species Datasheet

-

Datasheet No. P-031.001.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Emodiopteris appendiculata* (Wall. ex Hook.) Ching & S.K. Wu

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dicksonia appendiculata Wall. ex Hook.

Patania appendiculata (Wall. ex Hook.) Bedd.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Emodiopteris* Ching & S.K.Wu.
- Species: *Emodiopteris appendiculata* (Wall. ex Hook.) Ching & S.K.Wu
- Subspecies:

4.Distribution:

Global:

India: Western Himalaya

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

12.Basic chromosome number(s): $x=30^1,33^2$

13. Zygotic chromosome number(s): $2n=60^1,66^2$

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

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

Image file

16.Ploidylevel:Tetraploid (sexual)^{1, 2}

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 $30\text{II}^1, 33\text{II}^2$

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.):