

Species Datasheet

Datasheet No. P-031.003.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Dennstaedtia appendiculata* (Wall. ex Hook.) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm. Order:
- Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Dennstaedtia* Bernh.
- Species: *Dennstaedtia appendiculata* (Wall. ex Hook.) J.Sm.
- Subspecies:

4.Distribution:

Global:China (Chongqing, Sichuan), Tibet, India Nepal, Bhutan

India: Uttar Pradesh, Sikkim, Darjeeling Hills

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Shrubby, grows on stone walls along the road and open ground, 1500-3000m

8.LifeForm:Shrubby perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=30^{14}, 33^{10}$

13. Zygotic chromosome number(s): $2n=120^{14}$

14. Gametic chromosome number(s): $n=66^{10},$

$60^{14},$

$c.64^{17}$

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

Image file

16.Ploidylevel:Tetraploid (sexual) $^{10, 14, 17}$

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 $66\text{II}^{10}, 60\text{II}^{14}$

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.):