

Species Datasheet

Datasheet No. P-031.003.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Dennstaedtia scabra* (Wall. ex Hook.) T. Moore

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dennstaedtiascabra var. *scabra*

Dicksoniascabra Wall. ex Hook.

Pataniascabra (Wall. ex Hook.) Bedd.

3.Systematic Position:

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

4.Distribution:

Global: China (Chongqing, Guangdong, Guangxi, Guizhou, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang), Taiwan, Tibet, Japan (Honshu, Shikoku, Kyushu), North Korea, South Korea, Laos, Philippines, Sri Lanka, Vietnam, India, Nepal, Myanmar, peninsular Malaysia, Borneo, Sulawesi, N-Thailand

India: Indian Punjab, Assam, Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Meghalaya, Peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows on the edges of the forests, 1500-3000m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=33^{1, 3, 10}$

13. Zygotic chromosome number(s): $2n=c.60^{11}$

$66^3,$

128^7

14. Gametic chromosome number(s): $n=33-34^1,$

$64-65^9,$

$66^{10},$

$c.123^{13},$

$123^{15, 16}$

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

Image file

16.Ploidylevel:Diploid (sexual)^{1, 3, 11},

Tetraploid (sexual)^{7, 9, 10},

Octoploid (sexual, aneuploid)^{13, 15, 16}

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: $33-34\text{II}^1$

Tetraploid: 66II^{10}

Octoploid : $123\text{II}^{15, 16}$

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.):