

Species Datasheet

Datasheet No. P-045.006.016
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polystichum lentum* (D. Don) T. Moore

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumauriculatum var. *lentum* (D. Don) C.B. Clarke

Aspidiumauriculatum var. *subbipinnatum* Hook.

Aspidiumlentum D. Don

Polystichumauriculatum var. *lentum* (D. Don) Bedd.

Polystichumauriculatum var. *subbipinnatum* (Hook.) Bedd.

3.Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Polystichum* Roth
- Species: *Polystichum lentum* (D.Don) T.Moore
- Subspecies:
- Variety:

4.Distribution:

Global:China (Xizang (Mêdog), Bhutan, NE India, Nepal

India: Uttarakhand-KumaonHilla, Mandakini Valley, Eastern Himalayas (Darjeeling)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Evergreen,On rocks in montane broad-leaved evergreen forests; 800-1600 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{16, 22, 37, 58}$

13. Zygotic chromosome number(s): $2n=82^{16, 37}$

14. Gametic chromosome number(s): $n=41^{16, 22, 58}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{16, 22, 58}$

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 meiosisDiploid:41II^{16, 22, 58},

40II+2I, 39II+4I³⁷

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;Translocationsetc.):