

Species Datasheet

Datasheet No. P-030.009.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Doryopteris ludens* (Wall. ex Hook.) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Litobrochialudens (Wall. ex Hook.) Bedd.

Litobrochiasmithii T. Moore

Pellaealudens (Wall. ex Hook.) Prantl

Pterisludens Wall. ex Hook.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthes W.C. Shieh
- Genus: *Doryopteris* J.Sm.
- Species: *Doryopteris ludens* (Wall ex Hook.) J.Sm.
- Subspecies:

4.Distribution:

Global:endemics to Central America

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:warm and medium-high humid condition under light shade

8.Life Form:

9.EconomicImportance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=29$ ¹

13. Zygotic chromosome number(s): $2n=232$ ¹

14. Gametic chromosome number(s): $n=116$ ¹

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

Image file

16.Ploidylevel:Octoploid (sexual)¹

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 116II¹

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.):