

Species Datasheet

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Datasheet No. P-029.003.004
- (family.genus.species)

1.Taxon:

DBT- Network Programme

Species: *Lindsaea cultrata* (Willd.) Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Synaphlebiium recurvatum (Wall. ex Hook.) J. Sm.

Lindsaea recurvata Wall. ex Hook.

Lindsaea decomposita Willd.

Adiantum cultratum Willd.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Lindsaeaceae C.Presl ex M.R.Schomb.
- Subfamily:
- Genus: *Lindsaea* Dryand ex Sm.
- Species: *Lindsaea cultrata* (Willd.) Sw.
- Subspecies:

4.Distribution:

Global: Northeast and South India, Sri Lanka, Malay Peninsula, Sumatra, Java, and Borneo.

India: Northeast and South India

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

6.Threat Status:

IUCN: Least Concern (LC)

BSI:

7.Habit and Habitat: Grows on rocks in shady places 1500-2500 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=50$ ¹⁷

13. Zygotic chromosome number(s): $2n=c.94$ ^{14, 15, 16},

$c.200$ ^{14, 15}

14. Gametic chromosome number(s): $n=150$ ¹⁷,

$c.150$ ^{15, 18, 22},

$c.153$ ^{4, 5, 6, 7}

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

Image file

16.Ploidy level: Diploid (sexual)^{14, 15, 16},

Tetraploid (sexual)^{14, 15},

Hexaploid (sexual)^{15, 17, 18, 22},

Hexaploid (aneuploid)^{4, 5, 7}

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 150II ¹⁷

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.):