

Species Datasheet

Datasheet No. P-029.003.014
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lindsaea odorata* Roxb.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lindsaea cultrata var. *attenuata* Hook.

Lindsaea cultrata var. *pallens* Hook.

Lindsaea odorata var. *odorata*

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 odorata* Roxb.
- Subspecies:

4.Distribution:

Global: paleotropic distribution, mainly in tropical Asia, also Madagascar, Mauritius, Mozambique, Réunion, Zimbabwe.

India: Peninsular India (Kanyakumari, Kothiar)

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial, Riverine forest, moss-covered boulders in or along mountain streams and rivers, in areas where it is periodically submerged during floods in summer, exposed or lightly shaded.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=50^{3, 13, 15, 18}$

13. Zygotic chromosome number(s): $2n=235^{19}$,
 $300^{15, 18}$

14. Gametic chromosome number(s): $n=150^{3, 13}$

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

Image file

16. Ploidy level: Hexaploid (sexual) $^{3, 13, 15, 18}$,
Pentaploid (aneuploid) 19

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 150 II^{3, 13}

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.):