

Species Datasheet

Datasheet No. P-029.003.007

(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lindsaea heterophylla* Dryand.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantum heterophyllum (Dryand.) Poir.

Schizolegnia heterophylla (Dryand.) Alston

Schizoloma heterophyllum (Dryand.) J. Sm.

3.Systematic Position:

Christenhusz 2011

- 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 heterophylla* Dryand
- Subspecies:

4.Distribution:

Global: Madagascar, S India, Sri Lanka, Indochina, S China, W and N Central Malesia, north to the Ryukyus.

India: Peninsular India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: On rather dry slopes in evergreen forests, not in open areas, at various altitudes: from sea level to about 1200 m.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=43^{6, 7}, 45^{20, 21}$

13. Zygotic chromosome number(s): $2n=c.120^9,$
 $c.130^{10}$

14. Gametic chromosome number(s): $n=86^{6, 7},$
 $90^{20, 21}$

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

Image file

16. Ploidy level: Triploid (aneuploid) $^{9, 10},$

Tetraploid (sexual) $^{6, 7, 20, 21}$

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 Tetraploid: 86II^{6, 7}, 90II^{20, 21}

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.):