

Datasheet No. P-029.003
(Family.Genus)

1. Genus:*Lindsaea* Dryand ex Sm.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Lindsaeaceae C. Presl ex M.R. Schomb.
- Subfamily:
- Genus: *Lindsaea* Dryand ex Sm.

3. Species:

Global: Accepted (89), Unassessed (272)

India:.

4. Taxonomic riddles:⁸

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=43^{6, 7, 13}$,

$44^{9, 15, 20}$,

$45^{20, 21}$,

$50^{3, 13, 15, 17, 18}$

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

$c.120^9$,

$c.130^{9, 10}$,

$c.174^{15}$,

$c.176^9$,

$c.200^{14, 15}$,

235^{19} ,

$300^{15, 18}$

11. Gametic chromosome number(s): $n=c.47^{23}$,

$86^{6, 7, 13}$,

$c.87^{1, 12}$,

$87^{2, 3}$,

$88^{15, 20}$,

$90^{20, 21}$,

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

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level: Diploid (aneuploid)²³ ,

Diploid (sexual)^{14, 15, 16} ,

Triploid (aneuploid)^{9, 10} ,

Tetraploid (aneuploid)^{1, 2, 9, 12, 15, 20} ,

Tetraploid (sexual)^{6, 7, 14, 15, 20, 21} ,

Pentaploid (aneuploid)¹⁹ ,

Hexaploid (sexual)^{3, 13, 15, 17, 18, 22} ,

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

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:^{1, 3, 6, 7, 12, 13, 17, 20, 21}

17. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level: ⁸

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: