

# Species Datasheet

Datasheet No. P-029.003.005  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Lindsaea ensifolia* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Adiantum ensifolium* (Sw.) Poir.

*Lindsaea ensifolia* subsp. *ensifolia*

*Schizolegnia ensifolia* (Sw.) Alston

*Schizoloma ensifolium* (Sw.) 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 ensifolia* Sw.
- Subspecies:

## 4.Distribution:

**Global:** Cameroon, Gabon, Ghana, Guinea, Madagascar, Mauritius, Mozambique, Nigeria, Pemba, Réunion, Seychelles, South africa, Tanzania, Zimbabwe and widely throughout southern Asia and the East Indies.

**India:** Peninsular India

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

**6.Threat Status:**

**IUCN:**

**BSI:**

**7.Habit and Habitat:** Low-altitude forest, usually in coastal swamp forest, on boggy ground or next to small streams in light shade., Terrestrial

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):**  $x=43^{13}$  ,  $44^{9, 15, 20}$

**13. Zygotic chromosome number(s):**  $2n=c.130^9$  ,

$c.174^{15}$  ,

$c.176^9$

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

$86^{13}$  ,

$87^{2, 3}$  ,

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

$88^{15, 20}$

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

Image file

**16.Ploidy level:** Diploid (aneuploid) <sup>23</sup> ,  
Tetraploid (aneuploid) <sup>1, 2, 9, 12, 15, 20</sup> ,

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: c.87II<sup>1, 12</sup>, 88II<sup>20</sup>

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.):**