

Species Datasheet

Datasheet No. P-051.023.014
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lepisorus macrosphaerus* (Baker) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lepisorus macrosphaerus var. *macrosphaerus*

Lepisorus macrosphaerus f. *macrosphaerus*

Polypodium intramarginale Baker ex Christ

Polypodium macrosphaerum Baker

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Lepisorus* (J.Smith) Ching
- Species: *Lepisorus macrosphaerus* (Baker) Ching
- Subspecies:
- Variety:

4.Distribution:

Global: China (Guizhou, Hubei, Sichuan, Xizang, Yunnan)

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On tree trunks or rocks in forests; 900-3400 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{22, 28}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=35^{22, 28}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{22, 28}$

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 ³⁵II^{22, 28}

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.):