

Species Datasheet

Datasheet No. P-051.023.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lepisorus* *bicolor* (Takeda) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pleopeltisbicolor (Takeda) Sledge

Polypodiumbicolor (Takeda) Alston ex Schelpe

Polypodiumexcavatum var. *bicolor* Takeda

3. Systematic Position:

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- 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 bicolor* (Takeda) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: China (Guizhou, Sichuan, Xizang, Yunnan), N India, Nepal

India: Himalayas

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: In rock crevices beside streams in forests, at roadsides on mountain slopes; 1000-3300 m.

8. Life Form:

9. Economic Importance: Ornamental

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=35^{29}$

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

14. Gametic chromosome number(s): $n=35^{29}$

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

Image file

16. Ploidy level: Diploid (sexual) ²⁹

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^{35II²⁹}

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.):