

Species Datasheet

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Datasheet No. P-051.028.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Neolepisorus ovatus* Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Microsorumsatum var. *phyllomanes* (Christ) Tagawa

Microsorumphyllomanes (Christ) Koidz.

Neocheiropterisphyllomanes (Christ) Ching

Neocheiropterisphyllomanes f. *deltoidea* (Hand.-Mazz.) Ching

Neocheiropterisphyllomanes f. *doryopteris* (Christ) Ching

Neolepisorusovatus f. *ovatus*

Neolepisorusphyllomanes (Christ) Ching

Neolepisorusphyllomanes f. *deltoideus* Ching

Polypodiumhemitomum var. *deltoideum* Hand.-Mazz.

Polypodiumovatum Wall. ex Hook. & Grev.

Polypodiumphyllomanes Christ

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: *Neolepisorus* Ching
- Species: *Neolepisorus ovatus* Ching
- Subspecies:

- Variety:

4.Distribution:

Global:China (Anhui, Chongqing, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Sichuan, Yunnan, Zhejiang), Vietnam

India: Eastern Himalayas (Meghalaya, Shillong, KhasiJaintia Hills)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Limestone areas, forests; ca. 1500 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1,2}$

13. Zygotic chromosome number(s): $2n=72^{1,2}$

14. Gametic chromosome number(s): $n=36^{1,2}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):

Image file

16.Ploidylevel:Diploid (sexual) ^{1,2}

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 $36\text{II}^{1,2}$

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.):