

Species Datasheet

Datasheet No. P-051.023.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lepisorus contortus* (Christ) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lepisorus jinfoshanensis Ching

Pleopeltis contorta (Christ) Alston & Bonner

Polypodium contortum (Christ) Christ

Polypodium lineare var. *contortum* Christ

Polypodium lineare f. *contortum* (Christ) Takeda

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 contortus* (Christ) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: China (Anhui, Chongqing, ?Fujian, Gansu, Henan, Hubei, Jiangxi, Shaanxi, Sichuan, Yunnan, Zhejiang), N-Thailand, India, Bhutan, Nepal

India: N-India, Himachal Pradesh, Uttarakhand, Sikkim

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On tree trunks or rocks in forests, 2000-3500 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=23^{6, 28}, 35^5$

13. Zygotic chromosome number(s): $2n=46^{28}$

14. Gametic chromosome number(s): $n=23^{28}, 35^5, 46^6$

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

Image file

16.Ploidy level:Diploid (sexual) $^{5, 28},$

Tetraploid⁶

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 Diploid: 23II^{28} , 35II^5

Tetraploid: 46II^6

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.):