

Species Datasheet

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Datasheet No. P-051.023.016
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lepisorus morrisonensis* (Hayata) H. Itô

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Polypodium morrisonense* Hayata

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 morrisonensis* (Hayata) H.Itô
- Subspecies:
- Variety:

4.Distribution:

Global: India, Tibet, China, Taiwan

India: Jammu & Kashmir, Himachal Pradesh, Meghalaya, Nagaland

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Usually grows as lithophyte and rarely as an epiphyte. Rather uncommon above 2000m altitude, Sundardhunga, Pindari, Kathalia, Phurkia

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=36^{10, 11}$

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

14. Gametic chromosome number(s): $n=72^{10, 11}$

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

Image file

16.Ploidy level: Tetraploid (sexual) $^{10, 11}$

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^{72II^{10, 11}}

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.):