

Species Datasheet

Datasheet No. P-051.023.017
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lepisorus nudus* (Hook.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Drynarianuda (Hook.) Fée

Phymatodesnuda (Hook.) J. Sm.

Pleopeltisnuda Hook.

Polypodiumnudiusculum Kunze

Polypodiumnudum (Hook.) Kunze

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 nudus* (Hook.) Ching
- Subspecies:
- Variety:

4. Distribution:

Global: India, Pakistan, Nepal, Bhutan, China, Japan, Thailand, Sri Lanka

India: Jammu & Kashmir, Meghalaya, Nagaland, Himachal Pradesh, Sikkim, Darjeeling, south India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte or lithophyte. Common between 1800 and 2500 m altitude, Dhakuri, Khati, Dwali, Chakhuwa, Madhari, Loharkhet

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=35^{5, 15, 31}, 36^8$

13. Zygotic chromosome number(s): $2n=70^{15, 31}$

14. Gametic chromosome number(s): $n=35^{5, 12, 31}, 36^8$, c.22²¹

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

Image file

16.Ploidy level:Diploid (sexual) ^{5, 8, 12, 15, 31}

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 $35\text{II}^5, 12, 31, 36\text{II}^8$

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.):