

Species Datasheet

Datasheet No. P-031.006.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Microlepia trapeziformis* (Roxb.) Kuhn

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Davalliatrapeziformis Roxb.

Microlepiarhomboidea var. *trapeziformis* (Roxb.) Prantl

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Microlepia* C. Presl
- Species: *Microlepia trapeziformis* (Roxb.) Kuhn
- Subspecies:

4. Distribution:

Global: The species occurs from India east through Nepal and Myanmar to southern China (Guangxi, Hainan, Yunnan), Taiwan (Province of China), Viet Nam and the Philippines

India: Eastern Himalayas, South India

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:The species occurs in rocky stream beds in the mountains, Terrestrial

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=43^{25, 26}$

13. Zygotic chromosome number(s): $2n=129^{27}$

14. Gametic chromosome number(s): $n=86^{25, 26}$

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

Image file

16.Ploidy level:Triploid²⁷,

Tetraploid (sexual)^{25, 26}

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 Tetraploid: $86\text{II}^{25, 26}$,

Triploid: 43III^{27}

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.):