

Species Datasheet

Datasheet No. P-031.006.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Microlepia platyphylla* (D. Don) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Davalliaplatyphylla D. Don

Microlepiagrandissima Hayata

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 platyphylla* (D.Don) J.Sm.
- Subspecies:

4.Distribution:

Global: China (Guangxi, Guizhou, Hainan), Tibet, Taiwan, Myanmar [Burma], Nepal, Philippines, Sri Lanka, Vietnam, India, Bhutan, Laos, N-Thailand, Madeira (introduced) (Madeira Isl. (introduced))

India: Uttar Pradesh, Sikkim, Meghalaya, Khasia Hills, Arunachal Pradesh, Manipur, Nagaland, SW-India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial,Forests; 1000-2100 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=43$ ^{6, 8, 9, 13, 16, 27}

13. Zygotic chromosome number(s): $2n=86$ ^{8, 9, 13,27}

14. Gametic chromosome number(s): $n=43$ ^{6, 8, 9, 13, 16, 27}

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

Image file

16.Ploidy level:Diploid (sexual)^{6, 8, 9, 16, 27}

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 43II 8, 9, 16, 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.):