

Species Datasheet

Datasheet No. P-051.017.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Tricholepidium superficiale* (Blume) Fraser-Jenk.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Colyissuperficialis (Blume) J. Sm.

Microsorumsuperficialis (Blume) Ching

Neocheiropterissuperficialis (Blume) Bosman

Pleopeltissuperficialis (Blume) Bedd.

Polypodiumsuperficialis Blume

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: *Tricholepidium* Ching
- Species: *Tricholepidium superficiale* (Blume) Fraser-Jenk.
- Subspecies:
- Variety:

4.Distribution:

Global: Himalayas and throughout Malesia.

India: Eastern Himalayas (Meghalaya)

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

6. Threat Status:

IUCN:Least Concern (LC)

BSI:

7. Habit and Habitat:On mossy tree trunks in dense evergreen forests at high altitudes, locally abundant.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=36^{2, 3}$

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

14. Gametic chromosome number(s): $n=36^{2, 3}$

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

Image file

16. Ploidylevel:Diploid (sexual) $^{2, 3}$

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^{2, 3}

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.):