

Species Datasheet

Datasheet No. P-051.004.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Drynaria mollis* Bedd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Drynariacostulisora Ching & S.K. Wu

Drynariarivalis (Mett. ex Baker) Christ

Drynariatibetica Ching & S.K. Wu

Polypodiumrivale Mett. ex Baker

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: Drynarioideae Crabbe, Jermy & Mickel
- Genus: *Drynaria* (Bory) J.Sm.
- Species: *Drynaria mollis* Bedd.
- Subspecies:
- Variety:

4.Distribution:

Global: India, Tibet, Nepal, Bhutan

India: Himachal Pradesh, Sikkim, Darjeeling

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Generally grows as an epiphyte on oaks and rhododendrons etc. Restricted to between 2000 and 3000m altitude and quite common to abundant, Khati, Dwali, Dhakuri, Madhari, Namik, Sikhar

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=37^{1, 2, 5, 17}$

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

14. Gametic chromosome number(s): $n=37^{1, 2, 5, 17}$

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

Image file

16. Ploidy level: Diploid (sexual)^{1, 2, 5, 17}

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 37II^{1, 2, 5, 17}

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.):