

Species Datasheet

Datasheet No. P-045.010.039
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris ramosa* (C. Hope) C. Chr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Nephrodium ramosum C. Hope

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris ramosa* (C. Hope) C. Chr.
- Subspecies:
- Variety:

4. Distribution:

Global: Widespread in Europe, Africa, India, Pakistan

India: Western Himalayas

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial herb, commonly found on shady, cold and moist places, 2400m.

8.Life Form:

9.Economic Importance:Young circinate leaves are cooked in water as used as culinary vegetable as well as young leaves cooked as vegetables are taken orally to cure gastric ulcer and constipation.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41$ ^{38, 43, 55, 56, 62}

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

14. Gametic chromosome number(s): $n=41$ ^{38, 43, 55, 56, 62}

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

Image file

16.Ploidylevel:Diploid (sexual)^{38, 43, 55, 56, 62}

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 41 II^{38, 43, 55, 56, 62}

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.):