

Species Datasheet

Datasheet No. P-045.010.026
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris hirtipes* (Blume) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium hirtipes Blume

Lastreahirtipes (Blume) T. Moore

Nephrodium hirtipes (Blume) Hook.

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 hirtipes* (Blume) Kuntze
- Subspecies:
- Variety:

4. Distribution:

Global: Sri Lanka, S India, W Malaysia, Sumatra, Java, Borneo and the Philippines.

India: Peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On humus-rich mountain slopes in light or deep shade at 1200–1600 m alt., Terrestrial

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{70}$

13. Zygotic chromosome number(s): $2n=82^{70}$,
 $164^{5, 71}$

14. Gametic chromosome number(s): $n=41^{70}$,
 $82^{4, 5, 18, 43, 56}$

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

Image file

16.Ploidy level:Diploid (sexual) 70 ,

Tetraploid (sexual)^{4, 5, 18, 43, 56, 71}

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:⁷¹

Karyotype Median, submedian, subterminal⁷¹

Chromosome size Small⁷¹

NOR chromosome(s)

Degree of asymmetry Moderately asymmetrical⁷¹

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 Diploid: 41II

Tetraploid: 82II⁴, 5, 18, 43, 56

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.):