

Species Datasheet

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Datasheet No. P-046.001.008
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Nephrolepis multiflora* (Roxb.) F.M. Jarrett ex C.V. Morton

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

*Davalliamultiflora*Roxb.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Nephrolepidaceae Pic. Serm.
- Subfamily:
- Genus: *Nephrolepis* Schott
- Species: *Nephrolepis multiflora* (Roxb.) F.M.Jarrett ex C.V.Morton
- Subspecies:
- Variety:

4.Distribution:

Global:SE- Asia, India, China, Malaysia, Australia, Pacific Islands

India: Peninsular India (Kerala, Western Ghats, Nilgiris)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial or epiphytic in open waste places and roadsides, grows in small colonies at low altitude in rock crevices in fully exposed conditions

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=41^{2, 6, 8, 9, 22}$

13. Zygotic chromosome number(s): $2n=82^{8, 9, 22}$,

123^9 ,

$164^{8, 9, 22}$

14. Gametic chromosome number(s): $n=41^{2, 6, 8, 9, 22}$,

$82^{8, 9, 22}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{2, 6, 8, 9, 22}$,

Triploid (sterile) 9 ,

Tetraploid (sexual)^{8, 9, 22}

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 Diploid: 41II 2, 6, 8, 9, 22 ,

Tetraploid: 82II 8, 9, 22,

Triplod: Large number of IIIs with IIs and Is⁹

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.):