

Species Datasheet

Datasheet No. P-046.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Nephrolepis biserrata* (Sw.) Schott

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aspidiumacuminatum* Willd.](#)

[*Aspidiumacutum* Schkuhr](#)

[*Aspidiumbiserratum* Sw.](#)

[*Aspidiumensifolium* Schkuhr](#)

[*Aspidiumguineense* Schumach.](#)

[*Aspidiumpunctulatum* Sw.](#)

[*Hypopeltisbiserrata* \(Sw.\) Bory.](#)

[*Lepidoneuronbiserratum* \(Sw.\) Fée](#)

[*Lepidoneuronpunctulatum* \(Poir.\) Fée](#)

[*Lepidoneuronrufescens* \(Schrad.\) Fée](#)

[*Nephrodiumacuminatum* \(Willd.\) C. Presl](#)

[*Nephrodiumacutum* \(Schkuhr\) C. Presl](#)

[*Nephrodiumbiserratum* \(Sw.\) C. Presl](#)

[*Nephrodiumpunctulatum* \(Sw.\) Desv.](#)

[*Nephrodiumrufescens* Schrad.](#)

[*Nephrolepisacuminata* \(Willd.\) C. Presl](#)

[*Nephrolepisacuta* \(Schkuhr\) C. Presl](#)

[*Nephrolepisbiserrata* var. *biserrata*](#)

[*Nephrolepisbiserrata* subsp. *punctulata* \(Poir.\) Bonap.](#)

[*Nephrolepisensifolia* \(Schkuhr\) C. Presl](#)

[*Nephrolepisexaltata* var. *biserrata* \(Sw.\) Baker](#)

[*Nephrolepishirsutula* var. *acuta* \(Schkuhr\) Kuntze](#)

[*Nephrolepishirsutula* var. *biserrata* \(Sw.\) Kuntze](#)

[*Nephrolepismollis* Rosenst.](#)

[*Nephrolepispunctulata* \(Poir.\) C. Presl](#)

[*Nephrolepisrufescens* \(Schrad.\) C. Presl ex Wawra](#)

Polypodiumneprolepioides Christ

Polypodiumpunctulatum Poir.

Tectariafraxinea Cav.

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 biserrata* (Sw.) Schott
- Subspecies:
- Variety:

4.Distribution:

Global:Pantropical distribution.

India: Peninsular India (Western Ghats, Shevroy Hills, Ponmudi-Kodaikanal, Ootacamund, Kerala, Trivandrum, Munnar, Thekkady)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial, in swampy ground and permanently moist conditions, occurring in coastal swamp or dune forest and low-altitude evergreen, riverine forest.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (19.04 pg) ¹⁴	Flow cytometry ¹⁴
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12.Basic chromosome number(s): $x=41^{4, 22, 23, 29, 30}$

13. Zygotic chromosome number(s): $2n=82^{22, 23, 25}$

c.82^{11, 14, 25}

14. Gametic chromosome number(s): $n=41^{4, 22, 23, 29, 30}$

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

Image file

16.Ploidy level:Diploid (sexual)^{4, 11, 14, 22, 23, 25, 29, 30}

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 41II⁴, 22, 23, 29, 30

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.):