

Species Datasheet

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Datasheet No. P-046.001.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Nephrolepis exaltata* (L.) Schott

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumexaltatum (L.) Sw.

Hypopeltisexaltata (L.) Bory.

Nephrodiumexaltatum (L.) R. Br.

Polypodiumexaltatum L.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Nephrolepidaceae Pic. Serm.
- Subfamily:
- Genus: *Nephrolepis* Schott
- Species: *Nephrolepis exaltata* (L.) Schott
- Subspecies:

4.Distribution:

Global: native to tropical regions throughout the world common in humid forests and swamps, especially in northern South America, Mexico, Central America, Florida, the West Indies, Polynesia and Africa

India: North India, Central India Western Ghats

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 meiosisDiploid: $41\text{II}^{1, 7, 10, 17, 19, 20, 22, 23, 24, 26, 27}$,

Tetraploid: 82II^{16}

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;Translocationsetc.):