

Species Datasheet

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Datasheet No. P-046.001.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Nephrolepis tuberosa* (Bory ex Willd.) C. Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

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 tuberosa* (Bory ex Willd.) C.Presl
- Subspecies:
- Variety:

4.Distribution:

Global: India , Myanmar [Burma], Bangladesh, peninsular Malaysia, Singapore, Borneo (Mt. Kinabalu, etc.), peninsular Thailand, Laos, Cambodia, Philippines, Vietnam

India: Assam, Manipur

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:In tropical regions mostly at middle elevations (800-2000 m), occasionally higher (collections from lower elevations are probably from cultivated plants), often in submontane or ridge forest, mostly terrestrial (often on rotting logs), rarely epiphytic; rarely in fully open situations. In subtropical areas often growing at lower elevation.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=41$ ^{17, 18}

13. Zygotic chromosome number(s): $2n=82$ ¹⁷

14. Gametic chromosome number(s): $n=41$ ¹⁸

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

Image file

16.Ploidy level:Diploid (sexual)^{17, 18}

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 meiosis41II¹⁸

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.):