Species Datasheet

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Datasheet No. P-046.001.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Nephrolepis falcata* (Cav.) C. Chr.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Tectariafalcata 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 falcata* (Cav.) C.Chr.
- Subspecies*:*

4.Distribution:

Global: Philippines: Luzon , Samar , Negoro, Mindanao

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Reported from lowlands to high elevations (300- 2500 m), in forest and in severely disturbed areas, epiphytic or terrestrial.

8.Life Form:

9.EconomicImportance: Ornamental house plant

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=41[4, 9, 22]

13. Zygotic chromosome number(s):2n=82 [4, 9, 22]

14. Gametic chromosome number(s):n=41[9, 22]

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

Image file

16.Ploidylevel: Diploid (sexual) [4, 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 meiosis41II[9, 22]

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.):