

Species Datasheet

Datasheet No. P-051.007.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Phymatosorus scolopendria* (Burm. f.) Pic.Serm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Chrysopterisphymatodes (L.) Link

Microsorumscolopendria (Burm. f.) Copel.

Phymatodesphymatodes (L.) Maxon

Phymatodes *scolopendria* (Burm. f.) Ching

Phymatodesvulgaris C. Presl

Pleopeltisphymatodes (L.) T. Moore

Polypodiumphymatodes L.

Polypodiumscolopendria Burm. f.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Phymatosorus*
- Species: *Phymatosorus scolopendria* (Burm.f.) Pic.Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: Western Pacific rim from Australia to New Caledonia to Fiji and throughout the South Pacific to French Polynesia

India: Western Ghats, Andaman & Nicobar Islands

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial or epiphyte fern. Disturbed areas or secondary forests, lowlands.0-1450m altitude range.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 4, 9, 11, 12, 14, 15, 17, 18}$

13. Zygotic chromosome number(s): $2n=72^{1, 4, 14, 15, 18}$,

$c.72^{6, 10, 11}$,

$72-74^{25}$,

144^{13}

14. Gametic chromosome number(s): $n=36^{1, 4, 9, 11, 12, 14, 15, 17, 18}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{1, 4, 9, 11, 12, 14, 15, 17, 18},

Tetraploid (sexual)¹³

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:^{15, 18}

KaryotypeMostly subterminal^{15, 18}

Chromosome size

NOR chromosome(s)

Degree of asymmetryAsymmetrical^{15, 18}

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 meiosis36II^{1, 9, 12, 14, 15, 17, 18}

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.):