

Species Datasheet

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Datasheet No. P-045.006.032
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polystichum setiferum* (Forssk.) Moore ex Woyn.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

*Polypodiumsetiferum*Forssk.

Polystichumangulare C. Presl

3.Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Polystichum* Roth
- Species: *Polystichum setiferum* (Forssk.) Moore ex Woyn.
- Subspecies:
- Variety:

4.Distribution:

Global:Native to southern and western Europe.

India: Kashmir (Gulmarg), South India-Kodaikanal, Madurai, Palni Hills,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:tufted evergreen fern

8.Life Form:

9.Economic Importance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=41^{22, 32, 39, 42, 44, 47, 60, 62}$

13. Zygotic chromosome number(s): $2n=82^{7, 32}$,

c. $82^{7, 19, 20, 33, 36, 44}$

14. Gametic chromosome number(s): $n=41^{22, 32, 39, 42, 44, 47, 60, 62}$,

$82^{18, 29}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{7, 19, 20, 22, 32, 33, 36, 39, 42, 44, 46, 47, 60, 62}$,

Tetraploid (sexual) $^{18, 29}$

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 Diploid: 41II^{22, 32, 36, 39, 42, 44, 46, 47, 60, 62},

Tetraploid: 82II^{18, 29}

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.):