

Species Datasheet

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Datasheet No. P-003.001.024
- **(family.genus.species)**

DBT- Network Programme

1.Taxon:

Species: *Selaginella radicata* hort. ex Alston (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Selaginellales Prantl
- Family: Selaginellaceae Willk.
- Subfamily:
- Genus: *Selaginella* P.Beauv
- Species: *Selaginella radicata* hort. ex Alston (unresolved)
- Subspecies:
- Variety:

4.Distribution:

Global:India (endemic)

India: Kerala (Palakkad), Madhya Pradesh

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial herb with decumbent stem,in moist deciduous, semi-evergreen, evergreen forests

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=9^{3, 24, 25}, 12^{10}$

13. Zygotic chromosome number(s): $2n=36^{10}$

14. Gametic chromosome number(s): $n=18^{10}, 36^{3, 24, 25}$

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

Image file

16.Ploidylevel:Triploid (sterile) ¹⁰,
Octoploid (sexual)^{3, 24, 25}

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 36II^{3, 24, 25}

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.):