

Species Datasheet

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Datasheet No. P-003.001.015
- **(family.genus.species)**

DBT- Network Programme

1. Taxon:

Species: *Selaginella pallescens* (C.Presl) Spring

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lycopodium cuspidatum Link

Lycopodium pallescens C.Presl

Selaginella cuspidata (Link) Link

Selaginella cuspidata var. *elongata* Spring

Selaginella emmeliana Van Geert

Selaginella pallescens var. *pallescens*

Selaginella sulcangula Spring

3. Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Selaginellales Prantl
- Family: Selaginellaceae Willk.
- Subfamily:
- Genus: *Selaginella* P.Beauv
- Species: *Selaginella pallescens* (C.Presl.) Spring
- Subspecies:
- Variety:

4. Distribution:

Global: High mountains (up to 2,500m elevation) of the Sierra Madre Occidental in western and central Mexico

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=10^{7, 10}$

13. Zygotic chromosome number(s): $2n=20^{7, 10}$

14. Gametic chromosome number(s): $n=10^{7, 10}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{7, 10}$

Image file

17.Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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: 10×10^{10}

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.):