

Species Datasheet

Datasheet No. P-003.001.020

(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Selaginella plana* (Desv. ex Poir.) Hieron.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lycopodium planum Desv. ex Poir.

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 plana* (Desv. ex Poir.) Hieron.
- Subspecies:
- Variety:

4.Distribution:

Global:Native to Tropical Asia particularly in [India](#), [Indochina](#), and [Indonesia](#)

India: Western Ghats

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial, tropical

8.Life Form: Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=10^{7, 8, 9, 10, 17}$

13. Zygotic chromosome number(s): $2n=20^{7, 8, 9, 10, 17}$

14. Gametic chromosome number(s): $n=10^{8, 9, 10}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{7, 8, 9, 10, 17}$

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:¹⁷

Karyotype

Chromosome sizeVery small¹⁷

NOR chromosome(s)10¹⁷

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:45SrDNA¹⁷

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 meiosisDiploid : 10II^{8, 9, 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.):