

Species Datasheet

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Datasheet No. P-003.001.036
- (family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Selaginella willdenowii* (Desv. ex Poir.) Baker

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lycopodium willdenowii 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 willdenowii* (Desv. ex Poir.) Baker
- Subspecies:
- Variety:

4. Distribution:

Global: China (Guangxi, Guizhou, Yunnan), Cambodia, Myanmar [Burma], Philippines (introduced), Australia (Queensland), peninsular Malaysia (Kedah, Perak, Pahang, Selangor, Negeri Sembilan, Johor, Singapore), India, Myanmar [Burma], Thailand, Sunda Isl., Java, Sulawesi, Sumatra, Cambodia, Laos, Vietnam,

India: Arunachal Pradesh, Assam

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial, Occurs on the forest floor and often twines around other plant species.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (0.18 pg) ²	Flow cytometry ²
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12.Basic chromosome number(s): $x=9^{8, 9, 10, 17}$

13. Zygotic chromosome number(s): $2n=18^{17}$

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

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

Image file

16.Ploidylevel:Diploid (sexual) ^{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 size Very small¹⁷

NOR chromosome(s) 8¹⁷

Degree of asymmetry

Image file

22. Banding pattern(s): CMA⁺, DA⁺, DAPI⁺ bands¹⁷

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization: 45SrDNA¹⁷

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis^{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;Translocationsetc.):