

Species Datasheet

Datasheet No. P-003.001.003

(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Selaginella chrysocaulos* (Hook. & Grev.) Spring

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 chrysocaulos* (Hook. & Grev.) Spring
- Subspecies:
- Variety:

4.Distribution:

Global:India, Nepal, Bhutan, China (Guizhou, Sichuan, Yunnan), Tibet, Myanmar, Thailand, India, Nepal, Bhutan, Vietnam, peninsular Malaysia,

India: Kerala (Kasaragode) , Himachal Pradesh, Uttar Pradesh, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Meghalaya, Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial herb, in moist deciduous, semi evergreen forests, altitude range: 1400-2600m

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=12^{12, 14}$

13. Zygotic chromosome number(s): $2n=24^{12, 14}$

14. Gametic chromosome number(s): $n=12^{12, 14}$

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

Image file

16. Ploidylevel: Diploid (sexual) ^{12, 14}

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 $12\text{II}^{12, 14}$

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.):