

Species Datasheet

Datasheet No. P-045.012.013
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Elaphoglossum stelligerum* (Wall. ex Baker in Hook. & Baker) T. Moore ex Alston & Bonner

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichumstelligerum Wall. ex Baker in Hook. & Baker

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Elaphoglossoideae (Pic. Serm.) Crabbe, Jermy & Mickel
- Genus: *Elaphoglossum* Schott ex J.Smith
- Species: *Elaphoglossum stelligerum* (Wall. ex Baker in Hook. & Baker) T.Moore ex Alston & Bonner
- Subspecies:
- *Variety*:

4.Distribution:

Global:Bhutan; China (Yunnan); India , Nepal; Thailand

India: Assam, Kerala, Sikkim, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:It is lithophytic along streams and epiphytic in shady moist forests between 1200 and 1800m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{10}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=82^{10}$, 164^5

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

Image file

16.Ploidy level:Tetraploid (sexual) 10 , Octoploid (sexual) 5

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 Tetraploid: 82II^{10} , Octoploid: 164II^5

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.):