

Species Datasheet

Datasheet No. P-025.002.001

(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Sphaeropteris brunoniana* (Hook.) R.M.Tryon

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Alsophilabrunoniana Hook.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Cyatheales A.B.Frank in J.Leunis
- Family: Cyatheaceae Kaulf.
- Subfamily:
- Genus: *Sphaeropteris* Bernhardt in Schrader
- Species: *Sphaeropteris brunoniana* (Hook.) R.M.Tryon
- Subspecies:

4. Distribution:

Global: China (Hainan, Yunnan), SE-Tibet, India (NW-India, E-India), Bangladesh, Myanmar [Burma], Vietnam, Nepal

India: Himalayas

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): $x=69^3$

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

14. Gametic chromosome number(s): $n=69^3$ Mehra&singh 1955

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

Image file

16.Ploidylevel:Diploid (sexual) 3 Mehra&singh 1955

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 69II³ Mehra & Singh 1955

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.):