

Species Datasheet

Datasheet No. P-014.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Schizaea digitata* (L.) Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum digitatum L.

Actinostachys boninensis Nakai

Actinostachys digitata var. *boninensis* (Nakai) Tagawa

Belvisia digitata (L.) Mirb.

Schizaeaboninensis (Nakai) H. Ohba

3. Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Schizaeaceae Kaulf.
- Subfamily:
- Genus: *Schizaea* Sm.
- Species: *Schizaea digitata* (L.) Sw.
- Subspecies:

4. Distribution:

Global: China (Guangdong, Hainan, Yunnan), India, S Japan, Myanmar, Taiwan, Thailand, Vietnam; widely distributed in palaeotropics from Madagascar to Polynesia

India: Kerala, Ponmudi, Palode

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Forming small populations on rather dry forest floors in lowlands

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=11$ (77)^{2, 3}

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

14. Gametic chromosome number(s): $n=240-250$ ^{2, 3},

350-370¹

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

Image file

16.Ploidy level:Hexaploid (sexual)^{2, 3},

10-ploid (sexual)¹

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 meiosisHexaploid: 240-250II^{2, 3} ,
10-ploid :350-370II¹

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.):