

Species Datasheet

Datasheet No. P-045.014.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Peranema cyatheoides* D. Don

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Peranemacyatheoides var. *cyatheoides*

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Peranema* D.Don
- Species: *Peranema cyatheoides* D.Don
- Subspecies:
- Variety

4.Distribution:

Global: SE-Tibet, China (NW-Yunnan), Myanmar, Nepal, Vietnam, India, Bhutan

India: Eastern Himalayas (Darjeeling), South India (Kodakanal)

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
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12.Basic chromosome number(s): $x=41^{1, 2, 3}$

13. Zygotic chromosome number(s): $2n=82^2$

14. Gametic chromosome number(s): $n=41^{2, 3}, 82^1$

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

Image file

16.Ploidy level:Diploid (sexual)^{2, 3}, Tetraploid¹

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 meiosisDiploid: $4n$ ^{2, 3}

Tsai, J. L. & W. C. Shieh. 1985. A cytotaxonomic survey of the fern family Aspidiaceae (sensu Copeland) in Taiwan. J. Sci. Engin. 22: 121–144.

Mehra&singh 1955

Tetraploid: 82II¹Bhavanandan 1981

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.):