

Species Datasheet

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Datasheet No. P-001.002.005
- **(family.genus.species)**

DBT- Network Programme

1.Taxon:

Species: *Huperzia hamiltonii* (Spreng.) Trevis.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lycopodium hamiltonii Spreng.

Phlegmariurus hamiltonii (Spreng.) Á.Löve & D.Löve

Phlegmariurus hamiltonii var. *petiolatus* (C.B. Clarke) Ching

Urostachys hamiltonii (Spreng.) Herter ex Nessel

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Lycopodiales DC. ex Bercht & J.Presl
- Family: Lycopodiaceae P.Beauv. & J.Presl
- Subfamily:
- Genus: *Huperzia* Bernh.
- Species: *Huperzia hamiltonii* (Spreng.) Trevis.
- Subspecies:
- Variety:

4.Distribution:

Global:Bhutan, China, Myanmar, Nepal, Sri Lanka,Thailand and Vietnam

India: Arunachal Pradesh, Goa, Jharkhand,Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Odisha, Sikkim,Tamil Nadu, Uttarakhand, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=17^6$

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

14. Gametic chromosome number(s): $n=136^6$

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

Image file

16.Ploidy level:16-ploid⁶

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 136II⁶

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.):