

Species Datasheet

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Datasheet No. P-001.002.014
- (family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Huperzia squarrosa* (G.Forst.) Trevis.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Huperzia prolifera Trevis.

Lycopodium acutifolium Desv.

Lycopodium epiceaefolium Desv.

Lycopodium proliferum Blume

Lycopodium squarrosum G.Forst.

Phlegmariurus squarrosus (G.Forst.) Á.Löve & D.Löve

Plananthus squarrosus (G.Forst.) P.Beauv.

Urostachys epiceaefolius (Desv.) Herter ex Nessel

Urostachys epiceaefolius var. *acutifolius* Herter ex Nessel

Urostachys lecomteanus Nessel

Urostachys madagascariensis (Desv. ex Nessel) Herter

Urostachys squarrosus (G. Forst.) Herter

Urostachys squarrosus f. *madagascariensis* Desv. ex Nessel

Urostachys squarrosus var. *proliferus* Herter ex Nessel

3. Systematic Position:

Christenhusz 2011

- 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 squarrosa* (G. Forst.) Trevis.
- Subspecies:

- Variety:

4.Distribution:

Global: Western Indian Ocean (Madagascar; Mauritius, Seychelles), Southern China (Yunan), Taiwan, Indochina, Malaysia, Singapore, Indonesia, Australia (Queensland), Pacific (Micronesia, French Polynesia, Fiji)

India: Western Ghats-Ponmudi, Munnar

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Found on trees and rocks in lowland to mid-altitude forests (especially near moist sites like waterfalls and streams), and on trees in mangroves.

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): $n=136^6$,

138^6

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 16-ploid 136II⁶

16-ploid (aneuploid) 138II⁶

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.):