

Species Datasheet

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Datasheet No. P-001.002.011
- **(family.genus.species)**

DBT- Network Programme

1.Taxon:

Species: *Huperzia pulcherrima* (Wall. ex Hook. & Grev.) Pic.Serm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Huperzia setacea Trevis.

Lycopodium brasilianum Herter

Phlegmariurus pulcherrimus (Wall. ex Hook. & Grev.) Á. Löve & D. Löve

Urostachys pulcherrimus (Wall. ex Hook. & Grev.) Herter ex Nessel

Urostachys setaceus var. *brasiliensis* (Herter) 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 pulcherrima* (Wall ex Hook. & Grev.) Pic.Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: China (W-Yunnan), S-Tibet, Thailand, Vietnam, Sri Lanka, Nepal, Bhutan, Japan, India, Sri Lanka, Sulawesi

India: West Bengal, Sikkim, Meghalaya, Uttar Pradesh⁷

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): $x=17^5$

13. Zygotic chromosome number(s): $2n=c.330-340^5$

14. Gametic chromosome number(s): $n=c. 165-170^5$,

136^6

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

Image file

16.Ploidy level:16-ploid⁶,

20-ploid (sexual) ⁵

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 meiosissc. 165-170 II ⁵,136II ⁶

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.):