

Species Datasheet

-
Datasheet No. P-001.002.007
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Huperzia lucidula* (Michx.) Trevis.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lycopodium lucidulum Michx.

Urostachys lucidulus (Michx.) 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 lucidula* (Michx.) Trevis.
- Subspecies:
- Variety:

4.Distribution:

Global: Canada from Manitoba to Newfoundland, and south into the United States to Missouri and the Carolinas

India: Throughout Darjeeling and Sikkim Himalayas, peninsular India, 2500m

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: rich, acid [soils](#) in cool, moist [coniferous](#) and mixed [hardwood](#) forests, bog and stream edges, and hillsides

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
---------	-------------

2C (9.60 pg) ¹	Flow cytometry ¹
---------------------------	-----------------------------

2C (11.27pg) ²	Flow cytometry ²
---------------------------	-----------------------------

2C (11.40 pg) ⁹	Flow cytometry ⁹
----------------------------	-----------------------------

12. Basic chromosome number(s): $x=11$ ⁵

13. Zygotic chromosome number(s): $2n=c.40$ ⁵

14. Gametic chromosome number(s): $n=13$ ⁵

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

Image file

16. Ploidy level: 24-ploid (sexual)⁵,

36-ploid (aneuploid)⁶

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 22-ploid: 132II⁵,

36-ploid (aneuploid): 180II+45I⁶

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.):