

Datasheet No. P-001.002
(Family.Genus)

Genus Datasheet
DBT- Network Programme

1. Genus:*Huperzia* Bernh.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Succlass: LycopodiidaeBek.
- Order: LycopodialesDC.exBercht& J. Presl
- Family: LycopodiaceaeP.Beauv. & J. Presl
- Subfamily:
- Genus: *Huperzia* Bernh.

3. Species:

Global: Accepted (250), Unassessed (16)

India:.

4. Taxonomic riddles:³

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

2C (9.60-11.40pg)^{1, 2, 9}

Methodology

Flow cytometry^{1, 2, 9}

9. Basic chromosome number(s): $x=11^{4, 5}, 17^{5, 6}$

10. Zygotic chromosome number(s): $2n=204^7, c.330-340^5, c.405^6, 528^4$

11. Gametic chromosome number(s): $n=102^8, 132^5, 136^{6, 8}, 138^6,$

$c. 165-170^5, 264^4$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level: 9-ploid (aneuploid)⁸,

12-ploid (aneuploid)⁸,

16-ploid⁶,

20-ploid (sexual)⁵,

24-ploid (sexual)⁵,

26-ploid (sexual)^{5, 6}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:^{4,5, 6, 8}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:³

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: