

Datasheet No. P-031.006
(Family.Genus)

1. Genus:*Microlepia* C. Presl

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: DennstaedtiaceaeLotsy
- Subfamily:
- Genus: *Microlepia* C. Presl

3. Species:

Global: 82 (accepted), 124 (unassessed)

India:.

4. Taxonomic riddles:^{31, 32}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

2C: 15.88 pg²² Flow cytometry²²

9. Basic chromosome number(s): $x=43^{2, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 27, 44^{1, 3,}}$

10. Zygotic chromosome number(s): $2n=c.84^7, 84^4, 86^{2, 5, 8, 9, 10, 13, 27, 129^{25, 26, 27}, 172^{5, 13, 20, 22, 24, 27}, 258^{11, 12}}$

11. Gametic chromosome number(s): $n=43^{6, 8, 9, 13, 14, 15, 16, 17, 19, 21, 23, 27, 28, 29, 30}, 44^3, c.7$

$86^{13, 17, 20, 25, 26}, 88^1, c.120^{16}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level Diploid (sexual)^{2, 5, 6, 7, 8, 9, 10, 14, 16, 17, 19, 21, 23, 27, 28, 29, 30}

Triploid^{16, 27}

Tetraploid (sexual)^{5, 6, 13, 15, 16, 17, 20, 22, 24, 25, 26, 27,}

Tetraploid (aneuploid, sexual)³

Hexaploid (sexual)^{11, 12}

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

16. Karyograms:

Meiosis: 3, 5, 6, 8, 9, 13, 15, 16, 17, 19, 20, 21, 23, 25, 26, 27, 30

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ^{31, 32}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: