

Genus Datasheet

Datasheet No. P-051.009

(Family.Genus)

DBT- Network Programme

1. Genus: *Pleopeltis* Humb. & Bonpl. Ex Willd.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Polypodioideae B.K. Nayar
- Genus: *Pleopeltis* Humb. & Bonpl. Ex Willd.

3. Species:

Global: Accepted (57), unassessed (270)

India:.

4. Taxonomic riddles:^{16, 17}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=35$ ^{5, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20}

³⁶^{1, 3, 4}

³⁷^{1, 2, 3, 4, 21, 22, 23}

10. Zygotic chromosome number(s): $2n=70$ ^{10, 12, 18}

c.148 ^{21, 22, 23}

11. Gametic chromosome number(s): $n=35$ ^{5, 9, 10,, 11, 13, 14, 15, 19, 20}

36 ^{1, 3, 4}

37 ^{1, 2, 3, 4}

70 ^{6, 7}

c.210 ⁸

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

13. Ploidy level: Diploid (sexual) ^{1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20}

Tetraploid (sexual) ^{6, 7, 21, 22, 23}

12-ploid ⁸

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

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

16. Karyograms:

Meiosis: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 19, 20

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:^{16, 17}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: