

Genus Datasheet

Datasheet No. P-031.002
(Family.Genus)

DBT- Network Programme

1. Genus: *Pteridium* Gled. ex Scop.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Pteridium* Gled. ex Scop.

3. Species:

Global:

India:.

4. Taxonomic riddles:^{7, 28, 32, 33}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

2C (12.80 pg)¹⁰ Feulgen microdensitometry¹⁰

2C (15.20-16.12 pg)^{2,3}

Flow cytometry^{2, 3}

9. Basic chromosome number(s): x=52^{1, 4, 5, 6, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30,}

10. Zygotic chromosome number(s): $2n=104$ ^{5, 6, 8, 12, 16, 24, 27, 29}, 156 ²⁵

11. Gametic chromosome number(s): $n=52$ ^{1, 4, 5, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25}

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

13. Ploidy level: Diploid (sexual)^{1, 4, 5, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 30, 31}
Triploid²⁵

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

16. Karyograms:

Meiosis: ^{1, 4, 5, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 30, 31}

17. Banding pattern(s):

bands¹²¹

19. Phylogenetic relationship at Chromosomal; DNA level: ^{7, 28, 32, 33}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: