

Genus Datasheet

Datasheet No. P-029.002
(Family.Genus)

DBT- Network Programme

1. Genus: *Sphenomeris* Maxon

2. Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Lindsaeaceae C. Presl ex M.R. Schomb.
- Subfamily:
- Genus: *Sphenomeris* Maxon

3. Species:

Global: Accepted (8), unassessed (12)

India:.

4. Taxonomic riddles:⁸

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=4$ ^{6, 7, 13, 15, 16, 18, 19, 20}, 48^{9, 16}, 50^{1, 2, 3, 4, 10, 12, 17}

10. Zygotic chromosome number(s): $2n=94$ ^{15, 20}, 96⁹, 188^{6, 7, 13}, c.188¹⁴,

c.192⁹ , 194⁹ , 196⁹ , 200^{1, 4} , c.200^{2, 10, 12} , c.290^{10, 11, 12}

11. Gametic chromosome number(s): $n=47^{18, 19, 20}$, 48^9 , $94^{9, 16}$, 96^9 , 98^9 ,
c.100^{1, 2} , 100^{3, 4, 17}

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

13. Ploidy level: Diploid (sexual) ^{9, 15, 18, 19, 20} , Tetraploid (sexual) ^{1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 14,}
Hexaploid (sexual) ^{10, 11, 12}

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

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

16. Karyograms:

Meiosis: ^{1, 2, 3, 4, 5, 9, 16, 17, 18, 19, 20}

17. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level: ⁸

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: