

Genus Datasheet

Datasheet No. P-003.001

(Family.Genus)

DBT- Network Programme

1. Genus: *Selaginella* P. Beauv

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Succlass: Lycopodiidae Bek.
- Order: Selaginellales Prantl
- Family: Selaginellaceae Willk.
- Subfamily:
- Genus: *Selaginella* P. Beauv

3. Species:

Global: Accepted (376), unassessed (133)

India:.

4. Taxonomic riddles: ^{1, 26, 27, 28, 29}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

2C (0.18-0.71 pg) ^{2, 11, 20, 26}

Methodology

Flow cytometry ^{2, 11, 20, 26}

9. Basic chromosome number(s): x=8 ^{10, 12, 14}

9^{3,4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, 19, 21, 24, 25}

10^{7, 8, 9, 10, 16, 17, 20, 22, 23}

11²³

12^{6, 10, 12, 14}

10. Zygotic chromosome number(s): $2n=16$ ^{10, 12, 14}

18^{4, 5, 7, 12, 13, 14, 15, 17, 18, 19}

20^{7, 8, 9, 10, 16, 17, 22}

18-20⁷

24^{12, 14}

36¹⁰

40²⁰

11. Gametic chromosome number(s): $n=8$ ^{10, 12, 14},

9^{5, 8, 9, 10, 12, 13, 14, 18, 19, 21},

10^{7, 8, 9, 10, 23},

11²³,

12^{6, 12, 14},

18¹⁰,

36^{3, 24, 25}

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

Neocentric chromosomes):

Tetraploid (sexual) ²⁰ ,

Octoploid (sexual) ^{3, 24, 25}

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

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

16. Karyograms: ¹⁷

Meiosis: ^{3, 5, 6, 7, 8, 9, 10, 12, 14, 18, 19, 21, 23, 24, 25}

17. Banding pattern(s): ¹⁷

18. Physical mapping of chromosomes: ¹⁷

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ^{1, 26, 27, 28, 29}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: