

Genus Datasheet

Datasheet No. P-042.009

(Family.Genus)

DBT- Network Programme

1. Genus: *Sphaerostephanos* J.Sm.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Sphaerostephanos* J.Sm.

3. Species:

Global: Accepted (4), unassessed (183)

India:.

4. Taxonomic riddles:^{2, 5}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=36$ ^{1, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15}

10. Zygotic chromosome number(s): $2n=72$ ^{1, 4, 11, 12, 14, 15}

11. Gametic chromosome number(s): $x=36$ ^{1, 3, 4, 7, 8, 9, 10, 14, 15}

⁷²^{6, 13}

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

13. Ploidy level: Diploid (sexual)^{1, 3, 4, 7, 8, 9, 10 11, 12, 14, 15}

Tetraploid (sexual)^{6, 13}

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

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

16. Karyograms:

Meiosis:^{1, 3, 4, 6, 7, 8, 9, 10, 13, 14, 15}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Relationship between 4C Chromosome DNA level:^{2, 5}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: