

Genus Datasheet

Datasheet No. P-048.002
(Family.Genus)

DBT- Network Programme

1. Genus: *Tectaria* Cav.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Tectariaceae Panigrahi
- Subfamily:
- Genus: *Tectaria* Cav.

3. Species:

Global: Accepted (195), unassessed (182)

India: 21

4. Taxonomic riddles: ^{5, 34, 35}

5. Distribution:

Global: Pantropical fern genus with most species growing terrestrially in rain forest.

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=40$ ^{1, 2, 3, 6, 7, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33}

41^{4, 10, 25}

10. Zygotic chromosome number(s):2n=80^{1, 2, 12, 16, 17, 20, 24, 26}

160^{1, 2, 6, 7, 9, 17, 32, 33}

11. Gametic chromosome number(s):n=40^{1, 2, 3, 7, 11, 12, 13, 15, 16, 18, 19, 21, 22, 23, 24, 27, 28, 29,}

41^{4, 10, 25}

80^{1, 2, 6, 7, 9, 12, 14, 32, 33}

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

13. Ploidy level:Diploid (sexual)^{1, 2, 3, 4, 7, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,}

Tetraploid (sterile hybrid) ^{1, 2, 6, 7, 9, 14, 17}

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

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

16. Karyograms: ²⁶

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: 5, 34, 35

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: