

Genus Datasheet

Datasheet No. P-042.012

(Family.Genus)

DBT- Network Programme

1. Genus: *Trigonospora* Holtt.

2. Systematic Position:

Christenhusz 2011

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

3. Species:

Global: 2 (accepted), 10 (unassessed)

India: .

4. Taxonomic riddles: 2, 16, 17

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, 6, 7, 8, 10, 11, 12, 13, 14, 15}

10. Zygotic chromosome number(s): $2n=72$ ^{1, 11}, 144⁹

11. Gametic chromosome number(s): $n=36$ ^{1,3, 5, 6, 7, 8, 10, 13}, 72^{1, 4,10, 12, 14,15}

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

13. Ploidy level: Diploid (sexual)^{1,3, 5, 6, 7, 8, 10, 11, 13}

Tetraploid (sexual)^{1, 9, 10, 12, 14, 15}

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

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

16. Karyograms:

Meiosis:^{1,3, 5, 6, 7, 8, 10, 12, 13, 14, 15}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:^{2, 16, 17}

21. Linkage map:

22. Any other information: