

Genus Datasheet

Datasheet No. P-005.001

(Family.Genus)

DBT- Network Programme

1. Genus:*Psilotum*Sw.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: OphioglossidaeKlinge
- Order: PsilotalesPrantl
- Family: Psilotaceae J.W. Grff&Henfr
- Subfamily:
- Genus:*Psilotum*Sw.

3. Species:

Global: Accepted (2)

India:.

4. Taxonomic riddles:³

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

2C (145.35 pg)⁹

Flow cytometry⁹

9. Basic chromosome number(s):x=52^{7, 10, 13}

10. Zygotic chromosome number(s):2n=104¹³,

c.100⁵ ,

c.200⁵ ,

208^{1, 6, 8} ,

c.208¹⁶ ,

208-210⁸ ,

210-212¹⁸ ,

307¹² ,

c.312¹¹ ,

468¹² ,

11. Gametic chromosome number(s):52^{7, 10} ,

104^{1, 4, 6, 8} ,

c.104^{16, 17} ,

104+0-2f^{14, 15} ,

156+3small⁸ ,

c.156¹⁷ ,,

c.210²

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

13. Ploidy level: Diploid (germ) 5, 7, 10, 13

Hexaploid (Sterile hybrid) ¹¹ ,

9-ploid (Hybrid) ¹¹

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

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

16. Karyograms:

Meiosis: 1, 4, 7, 8, 10, 11, 12, 14, 15

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ³

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: