

Genus Datasheet

DBT- Network Programme

Datasheet No. P-045.009

(Family.Genus)

1. Genus: *Cyrtomium* C. Presl.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Cyrtomium* C. Presl.

3. Species:

Global: Accepted (43), Unassessed (18)

India:.

4. Taxonomic riddles:⁶

5. Distribution:

Global: East Asia, with only one species, *C. micropteron* (Kuntze) Ching, extending to southern India and East Africa

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=41^{1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13}$

10. Zygotic chromosome number(s): $2n=82^7, 123^{1, 2, 3, 4, 5, 8, 9, 11, 12, 13}$

11. Gametic chromosome number(s): $n=41^{10, 14}, 123^{1, 2, 3, 4, 5, 9, 11, 12, 13}$

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

13. Ploidy level Diploid (sexual) $^{7, 10, 14}$, Triploid (apogamous) $^{1, 2, 3, 4, 5, 9, 11, 12, 13}$

14. Nature of polyploidy (auto, segmental, allo, autoallo): Allotriploid (three different genome

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

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:⁶

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: