

Datasheet No. P-042.015
(Family.Genus)

1. Genus:*Macrothelypteris* (H. Itô) Ching

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Macrothelypteris* (H. Itô) Ching

3. Species:

Global: Accepted (12), unassessed (22)

India:.

4. Taxonomic riddles:^{1, 5, 17}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=31^{3, 4, 6, 7, 8, 9, 10, 13, 14, 15, 16, 19, 20, 21}$

10. Zygotic chromosome number(s): $2n=124^{2, 4, 7, 8, 12, 13, 15, 16, 19, 21}$

11. Gametic chromosome number(s): $n=31^{3, 6, 9, 10, 14, 20}$,

$62^{2, 6, 10, 11}$,

c. 62^{18}

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

13. Ploidy level: Diploid (sexual) $^{3, 6, 9, 10, 14, 20}$,

Tetraploid (sexual) $^{2, 4, 6, 7, 8, 10, 11, 12, 13, 15, 16, 18, 19, 21}$

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

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

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:^{1, 5, 17}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: