

Datasheet No. P-017.003
(Family.Genus)

1. Genus:*Marsilea* L.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: SalvinialesBartl. In Mart
- Family: MarsiliaceaeMirb. In Lamb &Mirb.
- Subfamily:
- Genus: *Marsilia* L.

3. Species:

Global: Accepted (27), unassessed (83)

India:.

4. Taxonomic riddles:¹⁴

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

2C (8.15 pg)² Flow cytometry²

9. Basic chromosome number(s): $x=20$ ^{1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19},

²¹^{3, 4}

10. Zygotic chromosome number(s): $2n=40$ ^{1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17},

^{40+1f}⁸,

⁴²^{3, 4},

⁶⁰⁸,

⁶⁰^{11, 12, 13}

11. Gametic chromosome number(s): $n=20$ ^{1, 5, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19},

²¹^{3, 4}

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level: Diploid (sexual)^{1, 5, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19},

Diploid (aneuploid, sexual)^{3, 4},

Triploid^{11, 12, 13},

Triploid (sterile, hybrid)⁸

16. Karyograms:

Meiosis: 3, 4, 11, 12, 13, 16, 17, 18, 19

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ¹⁴

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: