

Datasheet No. P-016.001
(Family.Genus)

1. Genus: *Azolla* Lam.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Salviniales Bartl. In Mart
- Family: Salviniaceae Martinov
- Subfamily:
- Genus: *Azolla* Lam.

3. Species:

Global: Accepted (7), unassessed (7)

India:.

4. Taxonomic riddles: 10, 11, 12, 13, 14

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=20^{4, 8}$, $22^{1,2,3, 4, 5, 6, 7, 9, 10, 11, 12}$, $24^{4, 8}$

10. Zygotic chromosome number(s): $2n=40^{4, 8}$, $44^{3, 4, 7, 9, 10, 11}$, $48^{4, 8}$, $66^{4, 7, 10, 11, 12}$
 $88^{10, 11}$

11. Gametic chromosome number(s): $n=20^4$, $22^{1, 2, 4, 9}$, 24^4 , $44^{5, 6}$

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

13. Ploidy level:Diploid (aneuploid) 4 ,

Diploid (sexual) $^{2, 3, 4, 7, 9, 10, 11}$,

Triploid (sterile) $^{4, 7, 10, 11, 12}$

Triploid $^{10, 11}$,

Tetraploid (aneuploid) $^{8, 10}$

Tetraploid (sexual) $^{5, 6, 10, 11}$

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

16. Karyograms: ⁴

Meiosis: ^{2, 4, 6, 9}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ^{10, 11, 12, 13, 14}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: