

Datasheet No. P-040.001
(Family: Genus)

1. Genus: *Blechnum* L.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Blechnaceae Newman
- Subfamily:
- Genus: *Blechnum* L.

3. Species:

Global: 142 (accepted), 235 (unassessed)

India:.

4. Taxonomic riddles: ^{3, 20, 26}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=30$ ¹¹, 31^{1, 4, 5, 7, 16, 23, 24, 28, 32, 33}, 32^{1, 10, 15, 22, 23, 27, 29},
33^{1, 6, 8, 9, 13, 14, 15, 18, 19, 21, 23, 30, 31}, 34^{2, 5, 17}

10. Zygotic chromosome number(s): $2n=64$ ^{15, 29}, 66^{1, 8, 9, 15}, 92⁷, c.93²⁸, 120¹¹,
124^{1, 4, 5, 7, 16, 23, 24, 33}, 132²⁹

11. Gametic chromosome number(s): $n=60$ ¹¹, 62^{12, 32, 33}, 32^{1, 10, 22, 23, 27},
33^{1, 6, 13, 14, 18, 19, 21, 23, 30, 31}, 34^{2, 5, 17}, 66²⁹

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

13. Ploidy level: Diploid (sexual)^{1, 6, 8, 9, 10, 11, 13, 14, 15, 18, 19, 21, 22, 23, 27, 29, 30, 31}, Triploid⁷,
Tetraploid (sterile hybrid)^{1, 4, 5, 12, 23, 24},
Tetraploid (sexual)^{7, 16, 23, 24, 29, 31}

14. Nature of polyploidy (auto, segmental, allo, autoallo):^{23, 24}

Meiosis: 1, 2, 5, 6, 10, 11, 12, 13, 14, 17, 18, 19, 21, 22, 23, 24, 27, 28, 30, 31, 32, 33

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: 3, 20, 26

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: