

Genus Datasheet

DBT- Network Programme

Datasheet No. P-013.001
(Family.Genus)

1. Genus:*Lygodium* Sw.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: SchizaealesShimp
- Family: LygodiaceaeM.Roem.
- Subfamily:
- Genus: *Lygodium*Sw.

3. Species:

Global: 20 (accepted), 64 (unassessed)

India:.

4. Taxonomic riddles:⁷

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

2C (23.32 pg)³

Methodology

Flow cytometry³

9. Basic chromosome number(s): $x=28$ ^{5, 16, 22}, 29 ^{2, 6, 10, 12, 13, 14, 15, 16, 19, 20, 23, 24},
 30 ^{1, 4, 9, 8, 10, 11, 16, 17, 21}

10. Zygotic chromosome number(s): $2n=58$ ^{14, 15, 16},

60 ^{10, 16, 21},

112 ^{16, 22},

116 ^{10, 12}

11. Gametic chromosome number(s): $n=30$ ^{1, 4, 9, 10, 21},

56 ^{5, 16},

58 ^{2, 6, 10, 12, 13, 19, 20, 23, 24},

60 ^{1, 8, 11, 17, 18}

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

13. Ploidy level:Diploid (sexual)^{1, 4, 9, 10, 14, 15, 16, 21},

Tetraploid (sexual)^{1, 2, 5, 6, 8, 10, 11, 12, 13, 16, 17, 18, 19, 20, 23, 24}

16. Karyograms:

Meiosis: 1, 2, 4, 5, 6, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21, 23, 24

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ⁷

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: