

Genus Datasheet

Datasheet No. P-051.007
(Family.Genus)

DBT- Network Programme

1. Genus:*Phymatosorus*

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Phymatosorus*

3. Species:

Global: Accepted (19), unassessed (10)

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=36^{1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19, 22, 23}$, $37^{2, 20, 21, 26}$

10. Zygotic chromosome number(s): $2n=72^{1, 4, 6, 14, 15, 17, 18, 19, 22}$

c.72^{6, 10, 11}

74^{20, 21, 26}

72-74²⁵

144¹³

11. Gametic chromosome number(s):n=36^{1, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19, 22, 23}

37^{2, 21, 26}

72^{1, 4, 24}

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

13. Ploidy level:Diploid (sexual)^{1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 26}

Tetraploid (sexual)^{1, 4, 13, 23, 24}

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

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

16. Karyograms:^{15, 18}

Meiosis:^{1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 24, 26}

17. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: