

Datasheet No. P-051.023
(Family: Genus)

1. Genus: *Lepisorus* (J. Smith) Ching

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: *Lepisorus* (J. Smith) Ching

3. Species:

Global: Accepted (93), unassessed (47)

India:

4. Taxonomic riddles:^{32, 37}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=13^{23, 24, 25, 26, 27}$,

$22^{24, 25, 26}$,

$23^{6, 14, 28}$,

24^{28} ,

$25^{8, 17, 18, 19, 20, 29, 34}$,

$26^{5, 12}$,

31^{29} ,

$35^{3, 4, 5, 6, 7, 9, 11, 12, 15, 16, 22, 23, 24, 28, 29, 31, 33, 35}$,

$36^{2, 3, 4, 5, 8, 10, 11, 12, 13, 35}$,

$37^{5, 35}$

10. Zygotic chromosome number(s): $2n=39^{23, 24, 25, 26, 27}$,

46^{28} ,

$50^{17, 18, 19, 34}$,

$70^{15, 31}$,

94^{28} ,

$c.100^{20}$,

$100^{17, 20, 34, 36}$

11. Gametic chromosome number(s): $n=c.22^{21, 30}$,

$\sim 24^{25, 26}$

26^{5, 12} ,

31²⁹ ,

35^{3, 4, 5, 9, 11, 12, 15, 16, 22, 23, 24, 28, 29, 31, 33, 35} ,

36^{2, 3, 4, 5, 8, 12, 13, 35} ,

37^{5, 35} ,

c.46¹⁴ ,

46⁶ ,

47^{24, 26, 28} ,

c.50²⁰ ,

50⁸ ,

70^{1, 6, 7} ,

72^{10, 11}

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

13. Ploidylevel:Diploid (sexual)^{2, 3, 4, 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 22, 23, 24, 25, 26, 28, 29, 30, 31, 33,}

Triploid (Sterile hybrid)^{23, 24, 25, 26, 27} ,

Tetraploid (sexual)^{1, 6, 7, 8, 10, 11, 14, 17, 20, 24, 26, 28, 34, 36}

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

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

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level.^{32, 37}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: