

Datasheet No. P-046.001
(Family.Genus)

1. Genus:*Nephrolepis*Schott

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Nephrolepidaceae Pic. Serm.
- Subfamily:
- Genus: *Nephrolepis* Schott

3. Species:

Global: Accepted (22), unassessed (106)

India:.

4. Taxonomic riddles:⁵

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

2C (13.64-19.12pg)¹⁴

Methodology

Flow cytometry¹⁴

9. Basic chromosome number(s): $x=1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27$

10. Zygotic chromosome number(s): $2n=82^{1, 3, 4, 8, 9, 14, 17, 21, 22, 23, 24, 28}$,

c.82^{11, 14, 25},

123⁹,

164^{8, 9, 22}

11. Gametic chromosome number(s): $n=41^{1, 2, 4, 6, 7, 8, 9, 10, 12, 13, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27}$

82^{8, 9, 16, 22}

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

13. Ploidy level:Diploid (sexual)^{1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26}

Diploid (sterile)¹,

Triploid (sterile)⁹,

Tetraploid (sexual)^{8, 9, 16, 22}

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

16. Karyograms:

Meiosis: 1, 2, 4, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 29, 30

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ⁵

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: