

Genus Datasheet

Datasheet No. P-042.002

(Family.Genus)

DBT- Network Programme

1. Genus: *Christella* Ker-Gawl.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Christella* Ker-Gawl.

3. Species:

Global: Accepted (20), unassessed (77)

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): $x=36$ ^{12,14, 15, 18, 19, 23,24, 25, 27, 28,29, 34, 36, 37, 38, 42, 49, 55, 56}, ⁴¹ 41, 46

10. Zygotic chromosome number(s): $2n=72$ ^{34, 42, 49, 55, 56,}

c.144⁵⁶ ,

144^{1, 5, 10, 30, 31, 32, 35, 36, 44, 55} ,

164^{41, 46}

11. Gametic chromosome number(s): $n=36$ ^{6, 7, 12, 14, 15, 18, 19, 23, 24, 25, 27, 28, 42, 45, 54, 56} ,

72^{2, 3, 8, 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 33, 36, 37, 38, 39, 40, 43, 44, 45, 47}

54, 55, 56, 57 ,

82^{41, 46}

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level:Diploid (sexual)^{6, 7, 12, 14, 15, 18, 19, 23, 24, 25, 27, 28, 34, 42, 45, 49, 54, 55, 56} ,

Tetraploid (sexual)^{1, 2, 3, 5, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33,}

40, 43, 44, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 57

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

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

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: