

# Genus Datasheet

Datasheet No. P-042.011

(Family.Genus)

DBT- Network Programme

1. Genus: *Thelypteris* Schmidel

2. Systematic Position:

Christenhusz 2011

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

3. Species:

Global: Accepted (433), unassessed (606)

India:.

4. Taxonomic riddles:<sup>2, 7</sup>

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):  $x=30$ <sup>4, 25, 34, 31</sup> 17, 18, 19, 20, 26, 35, 48,

<sup>35</sup> 11, 15, 14, 22, 23, 31, 39, 40, 41, 44, 49, <sup>36</sup> 5, 6, 8, 9, 10, 12, 13, 17, 19, 21, 24, 25, 27, 28, 29, 32, 33, 35, 42, 46, 47, 48, 51

**10. Zygotic chromosome number(s):**  $2n=62$  <sup>17, 19, 20, 26</sup>, <sup>70</sup> <sup>11, 15, 23, 25, 39</sup>, <sup>72</sup> <sup>24, 25, 33, 42, 51</sup>

**11. Gametic chromosome number(s):**  $n=31$  <sup>17, 18, 19, 20, 35, 48</sup>, <sup>35</sup> <sup>14, 22, 31, 39, 40, 41, 44, 49</sup>,  
<sup>36</sup> <sup>5, 6, 8, 9, 10, 12, 13, 17, 19, 21, 24, 25, 27, 28, 29, 32, 33, 35, 42, 46, 47, 48, 51</sup>, <sup>72</sup> <sup>24, 30, 36, 37</sup>, <sup>90</sup> <sup>4, 34</sup>

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

**13. Ploidy level:** Diploid (sexual) <sup>5, 6, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29, 31, 32, 33, 35, 44, 46, 47, 48, 49, 51</sup>,

Tetraploid (sexual) <sup>24, 26, 30, 36, 37, 45</sup>, Hexaploid (sexual) <sup>4, 34</sup>

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

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

**16. Karyograms:**

**Meiosis:** <sup>4, 5, 6, 8, 9, 10, 13, 14, 17, 18, 19, 20, 21, 22, 24, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 42, 44, 45, 46, 47, 48, 49, 51</sup>

**17. Banding pattern(s):**

**19. Phylogenetic relationship at Chromosomal; DNA level:**<sup>2, 7</sup>

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**