

Species Datasheet

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Datasheet No. P-042.002.017
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Christella aserra* (Sw.) Pic. Serm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Cyclosorus serra (Sw.) Farw.

Dryopteris serra (Sw.) Kuntze

Lastreopsis serra (Sw.) C. Presl

Nephrodium serra (Sw.) Desv.

Polypodium serra Sw.

3.Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Christella* Ker-Gawl.
- Species: *Christella serra* (Sw.) Pic. Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: South America

India:

5.Indigenous/Exotic/Endemic;Cultivated/Wild: Cultivated

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=36^{25, 55}$

13. Zygotic chromosome number(s): $2n=72^{55}$,

144^{55}

14. Gametic chromosome number(s): $n=36^{25}$, 72^{25}

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploid level: Diploid (sexual) $^{25, 55}$,

Tetraploid (sexual) $^{25, 55}$

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosisDiploid: 36II^{25} , Tetraploid: 72II^{25}

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

**29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis;
Pollen stainability;Translocationsetc.):**