

Species Datasheet

Datasheet No. P-042.002.013
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Christella papilio* (C.Hope) K. Iwats.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopterispapilio (C. Hope) C. Chr.

Nephrodiumpapilio C. Hope

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 papilio* (C.Hope) K.Iwats.
- Subspecies:
- Variety:

4.Distribution:

Global: Thailand (Thailand) Ceylon: N.E. India: Southern India: northern Malaya:

Southern India&Ceylon; N.E. India, Thailand; Malesia: to northern Malaya.

India: South India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{14, 15, 18, 23, 24, 25, 27, 28}$

13. Zygotic chromosome number(s): $2n=144^{32}$

14. Gametic chromosome number(s): $n=36^{14, 15, 18, 23, 24, 25, 27, 28}$,
 72^{18}

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

Image file

16.Ploidy level:Diploid (sexual) $^{14, 15, 18, 23, 24, 25, 27, 28}$,
Tetraploid (sexual) $^{18, 32}$

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: $36\text{II}^{14, 15, 23, 24, 25, 27, 28}$

Tetraploid: $72\text{II}^{15, 32}$

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.):