

Species Datasheet

Datasheet No. P-048.001.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pleocnemia irregularis* (C. Presl) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Arcypterisirregularis (C. Presl) Ching

Aspidiumirregulare (C. Presl) C. Chr.

Dictyopterisirregularis (C. Presl) C. Presl

Phegopterisirregularis (C. Presl) Mett.

Polypodiumirregulare C. Presl

Tectariairregularis (C. Presl) Copel.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Tectariaceae Panigrahi
- Subfamily:
- Genus: *Pleocnemia* C.Presl
- Species: *Pleocnemia irregularis* (C.Presl) Holttum
- Subspecies:
- Variety:

4.Distribution:

Global:Myanmar (Tenasserim), Cambodia, throughout Malaysia to Fiji.

India: Bihar –Parasnath hills

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial, tropical

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{1, 3, 4}$

13. Zygotic chromosome number(s): $2n=82^4$

14. Gametic chromosome number(s): $n=41^{1, 3, 4}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 3, 4}$

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 meiosis 41II^{1, 3, 4}

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.):