

Species Datasheet

Datasheet No. P-051.018.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Colysis hemionitidea* (Wall. ex C. Presl) C. Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pleopeltishemionitidea (Wall. ex C. Presl) T. Moore

Polypodiumensatosessilifrons Hayata

Polypodiumhemionitideum (Wall. ex C. Presl) Mett.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Colysis* C. Presl.
- Species: *Colysis hemionitidea* (Wall. ex C. Presl) C. Presl
- Subspecies:
- Variety:

4.Distribution:

Global:: India, Nepal, Bhutan, S China, Taiwan and the Ryukyus

India: Eastern Himalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On wet rocks usually in stream-beds in dense forests at 800–1500 m alt.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 6}$

13. Zygotic chromosome number(s): $2n=108^1$

14. Gametic chromosome number(s): $n=72^6, 108^1$

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

Image file

16.Ploidylevel:Triploid (hybrid) ¹ ,

Tetraploid (sexual)⁶ ,

Hexaploid (sexual) ¹

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 Triploid: $12II+84I$, $22II+64I^1$,

Tetraploid: $72II^6$,

Hexaploid: $108II^1$

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; Translocation etc.):