

Species Datasheet

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Datasheet No. P-042.008.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pseudophegopteris levingei* (C.B. Clarke) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteris levingei (C.B. Clarke) C. Chr.

Gymnogramma aurita var. *levingei* C.B. Clarke

Gymnogramma levingei (C.B. Clarke) Baker

Leptogramma aurita var. *levingei* (C.B. Clarke) Bedd.

Leptogramma levingei (C.B. Clarke) Bedd.

Phegopteris levingei (C.B. Clarke) Tagawa

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Pseudophegopteris* Ching
- Species: *Pseudophegopteris levingei* (C.B.Clarke) Ching
- Subspecies:
- Variety:

4.Distribution:

Global: Taiwan, Tibet, China (SC-Shaanxi, SE-Gansu, Sichuan, NW-Yunnan), Japan, India), Pakistan (Chitral, Swat, Hazara), Pakistani Kashmir (Gilgit), Afghanistan

India: Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Sikkim, Jammu & Kashmir

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Forests beside streams, thickets; 1300-3100 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=31^8$

13. Zygotic chromosome number(s): $2n=93^{13}$,

c. 124^7

14. Gametic chromosome number(s): $n=31^8$,

62^9

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

Image file

16.Ploidy level:Diploid (sexual) ⁸ ,

Triploid (sterile, hybrid) ¹³ ,

Tetraploid (sexual) ^{7, 9}

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: 31II^8 ,

Tetraploid: 62II^9

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.):