

Species Datasheet

Datasheet No. P-042.008.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pseudophegopteris aurita* (Hook.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aspidium auritum* \(Hook.\) Christ](#)

[*Dryopteris aurita* \(Hook.\) C. Chr.](#)

[*Grammitis aurita* \(Hook.\) T. Moore](#)

[*Gymnogramma aurita* Hook.](#)

[*Leptogramma aurita* \(Hook.\) Bedd.](#)

[*Nephrodium auritum* \(Hook.\) Hand.-Mazz.](#)

[*Phegopteris aurita* \(Hook.\) J. Sm.](#)

[*Polypodium auritum* \(Hook.\) E.J. Lowe](#)

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 aurita* (Hook.) Ching
- Subspecies:
- Variety:

4. Distribution:

Global:China (Chongqing, C Fujian, C Guizhou, S and W Jiangxi, SE Xizang, W Yunnan), Bhutan, NE India, Indonesia, Japan, Malaysia, N Myanmar, Nepal, Papua New Guinea, Philippines, N Vietnam

India: Eastern Himalayas (Darjeeling, Sikkim)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Forests beside streams on high mountains; 1200-2000 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=31^{3, 13}$

13. Zygotic chromosome number(s): $2n=124^4$

14. Gametic chromosome number(s): $n=31^{3, 13}$,

62^4

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

Image file

16.Ploidy level:Diploid (sexual) ^{3, 13} ,

Tetraploid (sexual)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 meiosisDiploid: $31\text{II}^{3,13}$,

Tetraploid: 62II^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.):