

Species Datasheet

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Datasheet No. P-039.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Onoclea orientalis* (Hook.) Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Matteucciacavaleriana (Christ) C. Chr.

Matteucciajaponica (Hayata) C. Chr.

Matteucciaorientalis (Hook.) Trevis.

Pentarhizidiumjaponicum Hayata

Pentarhizidiumorientale (Hook.) Hayata

Pterisorientalis Ching

Pterinodesorientalis (Hook.) Kuntze

Struthiopteriscavaleriana Christ

Struthiopterisorientalis Hook.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Onocleaceae Pic. Serm.
- Subfamily:
- Genus: *Onoclea* L.
- Species: *Onoclea orientalis* (Hook.) Hook.
- Subspecies:
- Variety:

4. Distribution:

Global:China (Anhui, Chongqing, Gansu, Guangdong, Guangxi, Guizhou, Henan, Hubei, Hunan, Jiangxi, Shanxi, Sichuan, Zhejiang), Taiwan, Tibet, Japan, North Korea, South Korea, Siberia, Russian Far East, NE-India (Arunachal Pradesh, Meghalaya), Myanmar

India: NE-India (Arunachal Pradesh, Meghalaya)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:forest floor, forest edge

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=40^{2, 3, 4, 6, 7}$

13. Zygotic chromosome number(s): $2n=80^{2, 3, 6, 7}$

14. Gametic chromosome number(s): $n=40^{4, 7},$

80^5

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

Image file

16.Ploidylevel:Diploid (sexual)^{2, 3, 4, 5, 7},

Tetraploid (sexual)⁵

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: $40\text{II}^{4, 7}$,

Tetraploid: 80II^5

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.):