

Species Datasheet

Datasheet No. P-013.001.004

(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lygodium japonicum* (Thunb.) Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantum scandens Lour.

Davalliascandens (Lour.) Sw.

Hydroglossum dissectum (Desv.) Steud.

Hydroglossum japonicum (Thunb.) Willd.

Lygodium chaerophylloides Desv.

Lygodium cochinchinense (Poir.) Desv.

Lygodium dissectum Desv.

Lygodium japonicum f. *elongata* Alderw.

Lygodium japonicum var. *microstachyum* (Desv.) C.Chr. & Tardieu

Lygodium mearnsii Copel.

Lygodium microphyllum Link

Lygodium microstachyum Desv.

Lygodium microstachyum var. *glabrescens* Nakai

Lygodium pubescens Kaulf.

Lygodium tenue Blume

Ophioglossum japonicum Thunb.

Trichomanes cochinchinense Poir.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Lygodiaceae M.Roem.
- Subfamily:

- Genus: *Lygodium* Sw.
- Species: *Lygodium japonicum* (Thunb.) Sw.
- Subspecies:

4.Distribution:

Global: China, Japan, Korea, Australia, India, Nepal, Srilanka, Malaysia, Thailand, United States, Vietnam

India: Northeastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Climbing through trees and shrubs in secondary forest at elevations up to 2,550 metres

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

2C (23.32 pg)³

Flow cytometry³

12.Basic chromosome number(s): $x=29$ ^{6, 10, 12, 13, 14, 15, 16, 19, 20}

13. Zygotic chromosome number(s): $2n=58$ ^{14, 15, 16},

116 ^{10, 12}

14. Gametic chromosome number(s): $n=58^{6, 10, 12, 13, 19, 20}$

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

Image file

16.Ploidy level:Diploid (sexual)^{14, 15, 16} ,

Tetraploid (sexual)^{6, 10, 12, 13, 19, 20}

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 58II⁶, 10, 12, 13, 19, 20

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.):