Species Datasheet

Datasheet No. P-013.001.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lygodium microphyllum* (Cav.) R.Br.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Lygodiumscandens var. *intermedium*Ces.
*Ophioglossumfiliforme*Roxb.
Ugenamicrophylla Cav.

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 microphyllum* (Cav.) R.Br.
- Subspecies:

4.Distribution:

Global: Africa, Australia, and southeast Asia

India: Peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: wet habitats such as bald cypress, marshes, saw grass, wet prairies.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=30[4, 9, 16]

13. Zygotic chromosome number(s):2n=60[16]

14. Gametic chromosome number(s):n=30[4, 9] ,

60 [17, 18]

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

Image file

16.Ploidy level: Diploid (sexual)[4, 9] ,

Tetraploid (sexual)[17, 18]

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 Diploid: 30II[4, 9],

Tetraploid: 60II[17, 18]

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.):