Species Datasheet

Datasheet No. P-017.002.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Regnellidium diphyllum* Lindm.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Salviniales Bartl. in Mart
- Family: Marsiliaceae Mirb. in Lamb & Mirb.
- Subfamily:
- Genus: *Regnellidium* Lindum.
- Species: *Regnellidium diphyllum* Lindm.
- Subspecies:

4.Distribution:

Global: Native to southeastern Brazil and adjacent regions of Argentina.
India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Two-leaf water fern, perennial

8.LifeForm: Herbaceous perennial

9.EconomicImportance: Grown in aquaria

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=19[1, 2, 3, 4, 5, 6]

13. Zygotic chromosome number(s):2n=38[1, 3, 4, 5, 6]

Loyal 1961c, 1962, Abraham et al 1962,jain&Raghuvanshi 1973, 1975

40[3, 4]

jain&Raghuvanshi 1973, 1975

14. Gametic chromosome number(s):n=19[2, 3, 4]

Chopra & Loyal 1973, jain&Raghuvanshi 1973, 1975

19+1B[3, 4]Jain &Raghuvanshi 1973, 1975

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):1B [3, 4]

Image file

16.Ploidy level: Diploid (sexual) [1, 2, 3, 4, 5, 6]

38Loyal 1961c, 1962, Abraham et al 1962,jain&Raghuvanshi 1973, 1975

jain&Raghuvanshi 1973, 1975

$19^{2, 3, 4}$

Chopra & Loyal 1973, jain&Raghuvanshi 1973, 1975

$19+1B^{3, 4}$

Jain &Raghuvanshi 1973, 1975

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 meiosis19II[2, 3, 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.):