Species Datasheet

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Datasheet No. P-044.002.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Leucostegia immerse* Wall. ex C. Presl

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: HypodematiaceaeChing
- Subfamily:
- Genus: *Leucostegia* C.Presl
- Species: *Leucostegia immerse* Wall. ex C.Presl
- Subspecies*:*
- *Variety:*

4.Distribution:

Global:S India, E Himalayas, SW China, Burma, Indochina, W Malesia to the Philippines, north to Taiwan.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial on mountain-slopes or in muddy crevices of rocks, or rarely low down on mossy tree trunks, usually in dense evergreen forests or in half-shaded places at high altitudes (1100– 1800 m).

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value Methodology

12.Basic chromosome number(s):x=40[10],41[1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13]

13. Zygotic chromosome number(s):2n=82[11]

14. Gametic chromosome number(s):n=41[1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13] ,
40[10]

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

16.Ploidylevel: Diploid (sexual)[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13]

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 meiosis41II[1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13] ,40II[10]

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.):