

Species Datasheet

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Datasheet No. P-051.025.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Loxogramme involuta* (D. Don) C. Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Loxogrammoideae H. Schneid
- Genus: *Loxogramme* (Blume) C. Presl
- Species: *Loxogramme involuta* (D. Don) C. Presl
- Subspecies:
- Variety:

4.Distribution:

Global: China (S Xizang, W Yunnan), India, Nepal, N Thailand, Vietnam

India: Himachal Pradesh, Uttarakhand, Sikkim, Meghalaya

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epilithic on moss-covered rocks or epiphytic on tree trunks in evergreen broad-leaved forests; 2000-2500 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{6, 10, 11}, 36^{1, 2, 8, 15}$

13. Zygotic chromosome number(s): $2n=72^{15},$
 144^8

14. Gametic chromosome number(s): $n=35^{6, 10, 11},$
 $36^{1, 2, 8, 15},$
 $70^{3, 4, 5, 7, 9, 12, 13},$
 $72^{2, 8}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 2, 6, 8, 10, 11, 15},$
Tetraploid (sexual) $^{2, 3, 4, 5, 7, 8, 9, 12, 13},$

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 meiosis Diploid: 35 II^{6, 10, 11}, 36 II^{1, 2, 8, 15},

Tetraploid: 70 II^{3, 4, 5, 7, 9, 12, 13}, 72 II^{2, 8}

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; Translocation etc.):