

Species Datasheet

Datasheet No. P-051.025.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Loxogramme lanceolata* (Sw.) C. Presl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Gymnogrammalanceolata Hook.

Loxogrammesuberosa C. Chr.

Polypodiumloxogramme Mett.

Polypodiumsuberosum C. Chr.

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 lanceolata* (Sw.) C. Presl
- Subspecies:
- Variety:

4.Distribution:

Global: Widespread in tropical Africa, South Africa, comoro islands, Madagascar and Mascarene islands.

India: Northeastern Himalayas (Darjeeling, Meghalaya), peninsular India (Kerala, Wynad)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte or lithophyte in evergreen or semi-deciduous forest, deep shade

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{2, 8, 12, 13, 14}, 36^{16, 17}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=35^{2, 8, 12, 13, 14}, 36^{16, 17}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{2, 8, 12, 13, 14, 16, 17}$

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 35 II 2, 8, 12, 13, 14, 36 II 16, 17

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.):