Species Datasheet

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Datasheet No. P-051.023.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lepisorus amaurolepidus* (Sledge) Bir & Trikha

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

*Pleopeltisamaurolepida*Sledge

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Lepisorus* (J.Smith) Ching
- Species: *Lepisorus amaurolepidus* (Sledge) Bir & Trikha
- Subspecies:
- Variety:

4.Distribution:

Global: India and Sri Lanka

India: Kerala (Kozhikode, Wayanad, Palakkad, Kottayam, Idukki, Pathanamthitta, Kollam and Thiruvananthapuram districts)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphytic or lithophytic,In evergreen and shola forests

8.Life Form: Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=23[14], 25 [8],35[3, 4, 5, 16, 35]

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

14. Gametic chromosome number(s): n=35[3, 4, 5, 16, 35] ,

c.46[14] ,

50[8] ,

70[6]

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

Image file

16.Ploidy level: Diploid (sexual)[3, 4, 5, 16, 35] ,

Tetraploid (sexual)[6, 8, 14]

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: 35II[3, 4, 5, 16, 35]

Tetraploid: c.46II [14] , 50II [8], 70II [6]

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.):