Species Datasheet

Datasheet No. P-031.004.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Histiopteris incisa* (Thunb.) J. Sm.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Histiopterisaurita (Blume) J. Sm.
*Litobrochiaaurita*Blume
Litobrochiaincisa (Thunb.) C. Presl
Pellaeafauriei Christ
*Pterisaurita*Blume
*Pterisglaucescens*Bory
*Pterisincisa*Thunb.
*Pterisvespertilionis*Labill.

3.Systematic Position:
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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Histiopteris* (J.Agardh) J.Sm.
- Species: *Histiopteris incisa* (Thunb.) J.Sim.
- Subspecies:

4.Distribution:

Global: Australia, New Zealand and other islands in the south Pacific region

India: Kerala (Wayanad and Idukki districts)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Usually found in moist areas, where it may form large colonies.

8.Life Form: Weedy perennial herbaceous

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=48[1, 3, 4, 6, 7, 8, 9 , 11, 16], 52[1, 13]

13. Zygotic chromosome number(s):2n=c.190[15],

c.100[5],

c.192[1, 6, 9],

192[16],

200[10],

96[11]

14. Gametic chromosome number(s):n=c.90[15],

96[3, 4, 6, 7, 8],

100[10],

104[1],

52[13],

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

Image file

16.Ploidy level: Diploid (sexual) [5, 11, 13]

Tetraploid (sexual)[1, 2, 3, 4, 6, 7, 8, 9, 10, 15, 16],

96[3, 4, 6,7, 8],

100[10],

104[1, 2, 6, 9, 10, 15, 16]

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:52II [13],

Tetraploid:96II[3, 4, 6,7, 8],100II[10], 104II [1]

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.):