Species Datasheet

Datasheet No. P-030.003.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Aleuritopteris farinosa* (Forssk.) Fée

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aleuritopterisaethiopica Saiki
Aleuritopterisafra Pic. Serm.
Aleuritopteriscentrafricana Saiki
Aleuritopterischihuahuensis Saiki
Aleuritopterisdecursiva (Forssk.) Saiki
Aleuritopterisflava Saiki
Aleuritopterisgigantea Saiki
Aleuritopterisleptophylla Saiki
Aleuritopterislongifrons Saiki
*Aleuritopterismexicana*Fée
Aleuritopterisperuviana Saiki
Allosorusfarinosus C. Presl
Cassebeerafarinosa (Sw.) J. Sm.
*Cheilanthesbullosa*Kunze
Cheilanthesfarinosa var. *deltoidea*Bonap.
*Pterisdecursiva*Forssk.
*Pterisfarinosa*Forssk.
Pterisfarinosa Sw.

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.

- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthoideae W.C. Shieh
- Genus: *Aleuritopteris* Fee
- Species: *Aleuritopteris farinosa* (Forrsk.) Fee
- Subspecies:

4.Distribution:

Global: From China through much of Asia to North Africa going southwards to angola, Zambia, Zimbabwe and Malawi

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: From China through much of Asia to North Africa going southwards to Angola, Zambia, Zimbabwe and Malawi.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=29[1, 6, 19, 23], 30[2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 22, 24]

13. Zygotic chromosome number(s):2n=60[7, 12, 13, 16, 24]

14. Gametic chromosome number(s):n=29[19, 23], 30[2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 22, 24]

58 [1, 6]

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

Image file

16.Ploidy level: Diploid (Sexual, aneuploid) [19, 23]

Diploid (sexual)[2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 22, 24]

Tetraploid (sexual, aneuploid) [1, 6]

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:29II[19, 23] ,

Diploid: 30II[3, 4, 7, 13, 14, 15, 17, 18, 22] , 59-60I (Hybrid)[24] ,

Tetraploid:58II[1, 2, 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.):