Species Datasheet

Datasheet No. P-041.002.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Athyrium arborescens* (Bory) Milde

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

*Aspleniumarborescens*Mett.
Aspleniummadagascariense Baker
Athyriumarborescens Tardieu
*Athyriumsimplicivenium*Holttum
*Callipterisarborescens*Bory
Diplaziumarborescens Sw.
*Diplaziumcomorense*Bojer
*Diplaziumserrulatum*Desv.
*Diplaziumsimplicivenium*Holttum

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Athyrium* Roth
- Species: *Athyrium arborescens* (Bory) Milde
- Subspecies*:*
- *Variety:*

4.Distribution:

Global: Malayasia

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows on forest floor in shady places 1500m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=41[13, 14]

13. Zygotic chromosome number(s):2n=123[13, 14]

14. Gametic chromosome number(s):n=123[13, 14]

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

Image file

16.Ploidylevel: Triploid (apogamous)[13, 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 Triploid (apogamous): 16-celled sporangium 44II+35I, 8-celled sporangium 123II[13, 14]

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.): Apogamy [13, 14]