

Species Datasheet

Datasheet No. P-037.001.043
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Asplenium tenuifolium* D. Don

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspleniumtenuifolium var. *tenuifolium*

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Aspleniaceae Newman
- Subfamily:
- Genus: *Asplenium* L.
- Species: *Asplenium tenuifolium* D. Don
- Subspecies:
- Variety:

4. Distribution:

Global: India, Sri Lanka, Nepal, Bhutan and Myanmar

India: Eastern Himalayas and South India

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Small sized species,in evergreen forests, moist and shady situations inside the forest

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{4, 9, 10, 11, 47, 59, 80}$

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

14. Gametic chromosome number(s): $n=36^{4, 9, 10, 11, 47, 59, 80}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{4, 9, 10, 11, 47, 59, 80}$

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 36II⁴, 9, 10, 11, 47, 59, 80

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.):