

Species Datasheet

Datasheet No. P-041.002.037
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Athyrium tenuifrons* (Wall. ex C. Hope) Punetha

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium tenuifrons Wall. ex C. Hope

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 tenuifrons* (Wall. ex C. Hope) Punetha
- Subspecies:
- Variety:

4. Distribution:

Global: China (Jiangxi, Hunan, Guangdong, Guangxi, Sichuan, Guizhou, Yunnan), Taiwan, Tibet, N-India, Myanmar [Burma], Japan, Yakushima Isl., Nepal, Bhutan

India: Western Himalayas

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=40$ ^{18, 21, 38, 50, 53}

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

14. Gametic chromosome number(s): $n=40$ ^{18, 21, 38, 50, 53}

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

Image file

16. Ploidy level:Diploid (sexual)^{18, 21, 38, 50, 53}

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 40II 18, 21, 38, 50, 53

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.):