

Species Datasheet

Datasheet No. P-032.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Acystopteris tenuisecta* (Blume) Tagawa

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumtenuisectum Blume

Aspleniumtenuisectum (Blume) Hook.

Athyriumtenuisectum (Blume) T. Moore

Cornopteristenuisecta (Blume) Tardieu

Cystopterisformosana Hayata

Cystopterissetosa Bedd.

Cystopteristenuisecta (Blume) Mett.

Davalliasetosa (Bedd.) Baker

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Cystopteridaceae Schmakov
- Subfamily:
- Genus: *Acystopteris* Nakai
- Species: *Acystopteris tenuisecta* Ching
- Subspecies:
- Variety:

4. Distribution:

Global: China (Guangxi, Sichuan, Taiwan, Xizang, Yunnan), Bhutan, NE India, Indonesia, S Japan, Malaysia, Myanmar, Nepal, Philippines, Singapore, Thailand, Vietnam; Pacific islands, New Zealand

India: Eastern Himalayas 1500-2500m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Forests in valleys and damp streamsides; 700-2600 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=42^{1, 2, 3}$

13. Zygotic chromosome number(s): $2n=126^{1, 2, 3}$

14. Gametic chromosome number(s): $n=84^{1, 2, 3}$

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

Image file

16.Ploidy level:Tetraploid (sexual) $^{1, 2, 3}$,

Triploid (sterile) $^{1, 2, 3}$

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 meiosisTetraploid: $84\text{II}^{1, 2, 3}$,

Triploid: $41\text{I}+38.5\text{II}+1.9\text{III}+0.9\text{IV}$ ($36\text{I}+42\text{II}+2\text{III}$; $41\text{I}+39\text{II}+1\text{III}+1\text{IV}$; $38\text{I}+39\text{II}+2\text{III}+1\text{IV}$;

$43\text{I}+35\text{II}+3\text{III}+1\text{IV}$)^{1, 2, 3}

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.):