

Species Datasheet

Datasheet No. P-030.002.030
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum venustum* D. Don

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Adiantumvenustum* var. *venustum*

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Adiantum* L.
- Species: *Adiantum venustum* D.Don
- Subspecies:
- Variety:

4.Distribution:

Global: China (Gansu, Hebei, Qinghai, Shaanxi, Shanxi, Sichuan, Yunnan), Tibet, Nepal, Bhutan, Myanmar [Burma], India, Afghanistan, Pakistan (Chitral, Swat, Murree, Hazara),

India: Himachal Pradesh, Uttarakhand, Darjeeling, Sikkim, Assam, Arunachal Pradesh

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Rock crevices,mesophytic situations, mountain slopes; 2000-2900 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): $x=30^{63, 108}$

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

14. Gametic chromosome number(s): $n=30^{63, 108}, 60^{28, 29, 50, 57, 66, 100, 106, 108}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{63, 108}$, Tetraploid (sexual) $^{28, 29, 50, 57, 66, 100, 106, 108}$

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 meiosisDiploid: $30\text{II}^{63, 108}$, Tetraploid: $60\text{II}^{28, 29, 50, 57, 66, 100, 108}$,

$120\text{I}, 1\text{II}+118\text{I}$ (hybrid, asynaptic)²⁸

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.):