

Species Datasheet

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Datasheet No. P-050.002.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Davallia denticulata* (Burm. f.) Mett.ex Kuhn

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantumdenticulatum Burm. f.

Davalliachaerophylloides (Poir.) Steud.

Davalliadenticulata var. *intermedia* Mett. ex Kuhn

Davalliaelegans Sw.

Davalliaschnellii Tardieu

Davalliavogelii Hook.

Humatachaerophylloides (Poir.) Desv.

Humataelegans (Sw.) Desv.

Parestiaelegans (Sw.) C. Presl

Trichomaneschaerophylloides Poir.

Trichomanesdenticulatum (Burm. f.) Hoult.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Davalliaceae M.R. Schomb.
- Subfamily:
- Genus: *Davallia* (L.) Sm.
- Species: *Davallia denticulata* (Burm.f.) Mett.ex Kuhn
- Subspecies
- Variety

4.Distribution:

Global: China (Hainan), Cambodia, India, Indonesia, Laos, Malaysia, Myanmar, Papua New Guinea, Philippines, Thailand, Vietnam; Africa, Australia, Indian Ocean islands, Pacific islands

India: Peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic on many different species of trees and in different types of forests including mangrove or on solitary trees, epilithic on granite, limestone, or sandstone, terrestrial on different kinds of soil; sea level to 2200 m.

8.Life Form:

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (23.03 pg) ²	Flow cytometry ²
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12.Basic chromosome number(s): $x=40^{1, 3}$

13. Zygotic chromosome number(s): $2n=80^3$

14. Gametic chromosome number(s): $n=40^{1, 3}$

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

Image file

16.Ploidy level:Diploid (sexual)^{1, 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 meiosis $40\text{II}^{1,3}$

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; Translocation etc.):