

Species Datasheet

Datasheet No. P-050.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Humata repens* (L. f.) J. Small ex Diels

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantum repens L. f.

Davalliapedata Sm.

Davalliapinnatifida Baker

Davalliarepens (L. f.) Kuhn

Humatapedata (Sm.) J. Sm.

Humatapinnatifida (Baker) Bedd.

Pachypleuriarepens (L. f.) M. Kato

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: *Humata*
- Species: *Humata repens* (L.f.) J. Small ex Diels
- Subspecies
- Variety

4. Distribution:

Global: China (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Jiangxi, Sichuan, Yunnan, Zhejiang), Taiwan, Cambodia, India, Indonesia, Japan, Malaysia, S Myanmar, Papua New Guinea, Philippines, Sri Lanka, Thailand, Vietnam; Africa, Australia, Indian Ocean islands, Pacific islands

India: Kerala (Wayanad, Pathanamthitta and Idukki districts)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Low or high epiphytic, epilithic on various kinds of rocks, sometimes terrestrial, in very wet to dry sunny places; sea level to 3400 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): $x=41$ ¹

13. Zygotic chromosome number(s): $2n=123$ ¹

14. Gametic chromosome number(s): $n=123$ ¹

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

Image file

16.Ploidylevel:Triploid (apogamous) ¹

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 Triploid (apogamous): 8-celled sporangium 123II¹

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.): Apogamy¹