

Species Datasheet

Datasheet No. P-050.001.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Araiostegia pulchra* (D.Don) Copel.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrophorus pulcher (D. Don) T. Moore

Davalliachaerophylla Wall. ex Hook.

Davalliapulchra D. Don

Humatapulchra (D. Don) Diels

Leucostegiapulchra (D. Don) J. Sm.

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: *Araiostegia* Copel.
- Species: *Araiostegia pulchra* (D.Don) Copel.
- Subspecies
- Variety

4.Distribution:

Global: China (Guangxi, Guizhou, Sichuan, Yunnan), Tibet, N-Thailand, Vietnam, Laos, India Jammu & Kashmir, Nepal, Bhutan, Sri Lanka, Myanmar, Sikkim

India: Himachal Pradesh, Uttar Pradesh, Arunachal Pradesh, Darjeeling, Meghalaya, Jammu & Kashmir

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): $x=40^{2, 9, 11, 15, 16}$, $41^{3, 7, 11, 12}$

13. Zygotic chromosome number(s): $2n=c.80^4$, 82^{11}

14. Gametic chromosome number(s): $n=40^{2, 9, 15, 16}$, $41^{3, 7, 11, 12}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{2, 9, 15, 16}$

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

Aneuploidy^{3, 7, 11, 12}

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^{1, 2, 9, 15, 16}, 41II^{3, 7, 12}

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.):