

Species Datasheet

Datasheet No. P-037.001.005
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Asplenium affine* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium affine var. *affine*

Darea obtusa Desv.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Aspleniaceae Newman
- Subfamily:
- Genus: *Asplenium* L.
- Species: *Asplenium affine* Sw.
- Subspecies:
- Variety:

4. Distribution:

Global: Vietnam, Sri Lanka, S-India, Java, Borneo (Mt. Kinabalu, etc.), Thailand, Cambodia, Laos, Sulawesi, Sumatra, Philippines, New Guinea, Moluccas (Seram), Madagascar, Seychelles, La Réunion, Mauritius, Rodrigues, Tanzania, Cook Isl. (Rarotonga), Marquesas Isl. (NukuHiva, UaPou, HivaOa, FatuHiva), Vanuatu, China (Hainan)

India: Tamil Nadu, Karnataka

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
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12.Basic chromosome number(s): $x=36^{52,86, 112}$

13. Zygotic chromosome number(s): $2n=c.156^{89}, 432^{86}$

14. Gametic chromosome number(s): $n=144^{52,86, 112}, 216^{86}$

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

Image file

16.Ploidy level:Octoploid (sexual) $^{52,86, 112}$, 12-ploid (sexual) 86

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 Octoploid: $144\text{II}^{52,86,112}$, 12-ploid: 216II^{86}

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.):