Species Datasheet

Datasheet No. P-037.001.037
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium* *polyodon* G. Forst.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aspleniumadiantoides (L.) C. Chr.
Aspleniumfalcatum Lam.
*Aspleniumintermedium*Kaulf.
Trichomanesadiantoides L.

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 polyodon* G.Forst.
- Subspecies*:*
- *Variety:*

4.Distribution:

Global: Indigenous. New Zealand: Kermadec, Three Kings, North, South, Stewart and Chatham Islands. Also Madagascar, Indo-Malaysian, Australia, and the Pacific Islands. In the South Island mainly western, in the east found as far south as Bull Creek on the coast south ofDunedin, Bangladesh

India: : Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows in low land tropical forests on moist rocks or basal portions of small tree trunks from 150 to 1000m

8.LifeForm: Herbaceous perennial

9.Economic Importance: The plant is used in enlarged spleen, incontinence of urine, calculus, jaundice and as an alternative in cases of prolonged malarial fever.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=36[4, 5, 11, 82, 83, 86]

13. Zygotic chromosome number(s):2n=144[82, 83, 86] ,c.360[123]

14. Gametic chromosome number(s):n=72[4, 5, 11]

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

Image file

16.Ploidylevel: Tetraploid (sexual) [4, 5, 11, 82, 83, 86] , 10-ploid[123]

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 meiosis72II[4, 5, 11]

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;Translocationsetc.):