

Species Datasheet

Datasheet No. P-037.001.020
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium formosum* Willd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspleniumformosum var. *incultum* Christ

Aspleniumsubalatum Hook. & Arn.

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 formosum* Willd.
- Subspecies:
- Variety:

4.Distribution:

Global: Angola, Burundi, Cameroon, Cote d'Ivoire, DRC, Ghana, Guinea, Kenya, Liberia, Malawi, Mozambique, Nigeria, Soa Tomé, Sierra Leone, Tanzania, Togo, Zambia, Zimbabwe, also Tropical America and Indian subcontinent.

India: Peninsular India

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

6.Threat Status:

IUCN:Least concern

BSI:

7.Habit and Habitat:Deep shade in forest, boulders in riverine forest. Epiphyte or lithophyte, 600 - 1400 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{38, 40, 62, 63, 64, 84, 139}$

13. Zygotic chromosome number(s): $2n=72^{84, 139}$

14. Gametic chromosome number(s): $n=36^{38, 40, 62, 63, 64, 72^{122, 123}}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{38, 40, 62, 63, 64, 84, 139}$, Tetraploid (sexual) $^{122, 123}$

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 meiosis 36II^{38, 64}, 72II^{122, 123}

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.):