

Species Datasheet

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Datasheet No. P-037.001.022
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium inaequilaterale* Willd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium brachyotus Kunze

Asplenium laetum var. *brachyotus* (Kunze) Bonap.

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 inaequilaterale* Willd.

Subspecies:

Variety:

4.Distribution:

Global: Angola, Bioko, Burundi, Cameroon, Central African Republic, DRC, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mozambique, Soa Tomé, Sierra Leone, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe, Madagascan region

India: Peninsular India

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

6.Threat Status:

IUCN:Least concern

BSI:

7.Habit and Habitat: Deep shade in moist evergreen forest. Terrestrial or lithophyte.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12. Basic chromosome number(s): $x=36$ ^{36, 38, 63, 136, 137}

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

14. Gametic chromosome number(s): $n=36$ ^{38, 63, 136, 137}, 72 ^{38, 48, 49, 80}

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

Image file

16. Ploidy level: Diploid (sexual)^{38, 63, 136, 137}, Tetraploid (sexual)^{38, 48, 49, 80}

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 36 II^{38, 63, 136, 137}, 72 II^{38, 48, 49, 80}

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.):