

Species Datasheet

Datasheet No. P-037.001.017
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Asplenium erectum* Bory ex Willd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium erectum var. *erectum*

Asplenium erectum var. *subbipinnatum* Hook.

Asplenium erectum var. *usambarense* Schelpe

Asplenium erectum var. *zeyheri* (Pappe & Rawson) Alston & Schelpe

Asplenium lunulatum var. *erectum* (Bory ex Willd.) R. Sim

Asplenium lunulatum var. *zeyheri* (Pappe & Rawson) R. Sim

Asplenium pyramidatum Desv.

Asplenium quintassii Gand.

Asplenium zeyheri Pappe & Rawson

3. Systematic Position:

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

4. Distribution:

Global: Bioko, Burundi, Cameroon, DRC, Ethiopia, Guinea, Ghana, Kenya, Malawi, Mozambique, Nigeria, Rwanda, Soa Tomé, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe, Madagascan region.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphytic or terrestrial erect, upright; although the larger fronds are often arching. In deep shade on forest floor of evergreen forest, 50 - 1800 m

8.Life Form:Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{38, 48, 49, 50, 51, 64, 80}$

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

14. Gametic chromosome number(s): $n=36^{38, 48, 49, 50, 51, 64, 80}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{38, 48, 49, 50, 51, 64, 80}$

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 36II^{38, 48, 49, 50, 51, 64, 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;Translocationsetc.):