

Species Datasheet

Datasheet No. P-030.021.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pellaea sagittata* (Cav.) Link

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Allosorussagittatus (Cav.) C. Presl

Pellaeasagittata var. *sagittata*

Platylomasagittata (Cav.) J. Sm.

Pterissagittata Cav.

3. Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthesideae W.C. Shieh
- Genus: *Pellaea* Copel.
- Species: *Pellaea sagittata* (Cav.) Link
- Subspecies:

4. Distribution:

Global: Texas, Guatemala, Mexico, Colombia, Ecuador, Peru, Bolivia (Chuquisaca, La Paz), Argentina (Salta)

India: Western Ghats

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.EconomicImportance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=29^{6, 7}$

13. Zygotic chromosome number(s): $2n=87^{6, 7}$

14. Gametic chromosome number(s): $n=87^{6, 7}$

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

Image file

16.Ploidy level:Triploid (apogamous) $^{6, 7}$

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 Triploid (apogamous): 8-celled sporangium 87II^{6, 7}

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.): Apogamy^{6, 7}