

Species Datasheet

Datasheet No. P-030.021.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pellaea nitidula* (Hook.) Baker

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Cheilanthes nitidula Hook.

Mildellahenryi (Christ) C.C. Hall & Lellinger

Pellaeahenryi Christ

3. Systematic Position:

Christenhusz 2011

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

4. Distribution:

Global: China (Fujian, Gansu, Guangdong, Guangxi, Guizhou, Henan, Hunan, Jiangxi, Sichuan, Xizang, Yunnan, Zhejiang), Taiwan, Bhutan, India, Japan, Kashmir, Nepal, Pakistan, Vietnam

India: Western Himalayas

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: On rocks in forests and dry valleys; 200-2400 m

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=29^{1, 3, 9}$

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

14. Gametic chromosome number(s): $n=29^1,$
 $58^{3, 9}$

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

Image file

16. Ploidy level: Diploid (sexual)¹

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 meiosisDiploid: 29II^1 ,

Tetraploid : $58\text{II}^{3,9}$

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.):