

Species Datasheet

Datasheet No. P-037.001.012
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium crinicaule* Hance

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

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 crinicaule* Hance
- Subspecies:
- *Variety*:

4.Distribution:

Global:China (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Jiangxi, Sichuan, Yunnan), Tibet, Taiwan, Philippines, Vietnam, S-India, NE-India, Sikkim, Thailand, Laos, Cambodia

India: Eastern Himalayas, western Ghats

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

6. Threat Status:

IUCN:Least concern

BSI:

7. Habit and Habitat:On mossy tree-trunks or on mossy or muddy rocks, usually in lower montane forests at 900–1600 m alt., Epiphytic or lithophytic

8. Life Form:Herbaceous perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
---------	-------------

12. Basic chromosome number(s): $x=36^{4, 5, 8}$

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

14. Gametic chromosome number(s): $n=72^{4, 5, 8}$

144 ⁶⁴Kuriachan 1968

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

Image file

16. Ploidylevel:Tetraploid (sexual) ^{4, 5, 8}

Octoploid (sexual) ⁶⁴

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^{72II^{4, 5, 8}}

144II⁶⁴

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.):