Species Datasheet

Datasheet No. P-037.001.049
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium yoshinagae* Makino

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aspleniumindicum Sledge
Aspleniumplanicaulevar. *yoshinagae* (Makino) Tagawa
Aspleniumyoshinagae var. *indicum* (Sledge) Ching& S.K. Wu
Tarachiayoshinagae (Makino) H. Itô

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 yoshinage* Makino
- Subspecies*:*
- *Variety:*

4.Distribution:

Global: Sri Lanka, N. & S India, Burma, S China, Indochina, Taiwan, Philippines, north to Japan.

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Usually epiphytic on mossy tree-trunks in dense forests at altitudes above 1300 m, sometimes lithophytic in moss on rocks.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=36[123] , 40[126]

13. Zygotic chromosome number(s):2n=72[123] ,144 [121]

14. Gametic chromosome number(s):n=36[123], 72[6, 11, 24], 40[126, 128],

144[38]

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

Image file

16.Ploidy level: Diploid (sexual)[123], Tetraploid (sexual)[6, 11, 121],

Octoploid (sexual)[38]

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 Diploid: 36II[123], 40II[126],

Tetraploid**:**72II[6, 11, 24, 121],

Octoploid: 144II [38]

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.):