

Species Datasheet

-

Datasheet No. P-048.002.017
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Tectaria polymorpha* (Wall. ex Hook.) Copel.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumpolymorphum Wall. ex Hook.

Tectariapolymorpha var. *polymorpha*

3. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: TectariaceaePanigrahi
- Subfamily:
- Genus: *Tectaria* Cav.
- Species: *Tectaria polymorpha* (Wall. ex Hook.) Copel.
- Subspecies:
- Variety:

4. Distribution:

Global:E Himalaya to S China and Taiwan, south to Sri Lanka and W Malaysia.

India: Uttar Pradesh, Sikkim, Assam, Meghalaya, Nagaland, Tripura, S-India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: On mountain slopes usually in dry places in dense forests at low to medium altitudes up to 1400 m alt.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

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

12. Basic chromosome number(s): $x=40^{12, 24, 26}$, $41^{10, 25}$

13. Zygotic chromosome number(s): $2n=80^{26}$

160^1

14. Gametic chromosome number(s): $n=40^{12, 24}$,

$41^{10, 25}$,

$80^{1, 2, 14}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{10,12, 24, 25} ,

Tetraploid (sexual)^{1, 2, 14}

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:²⁶

KaryotypeMedian, submedian and subterminal²⁶

Chromosome sizeSmall²⁶

NOR chromosome(s)

Degree of asymmetrySymmetrical²⁶

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: $40\text{II}^{12, 24}$

$41^{10, 25}$

Tetraploid : $80\text{II}^{1, 2, 14}$

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.):