Species Datasheet

Datasheet No. P-045.010.032
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Dryopteris lepidopoda* Hayata

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Dryopterisfilix-mas subsp. *khasiana* (C.B. Clarke) C. Chr.
Dryopterisjunlianensis H.S. Kung
Dryopterislepidopoda var. *phaeocoma*Ching& S.K. Wu
*Dryopterislongistipes*Ching
*Dryopterisnigra*Ching
Dryopterispaleacea var. *khasiana* (C.B. Clarke) C. Chr.
Dryopterisplacea var. *khasiana* (C.B. Clarke) C. Chr.
*Dryopteristaiwanicola*Tagawa
Nephrodiumfilix-mas var. *khasiana* C.B. Clarke
Nephrodiumparallelogrammum f. *khasiana* (C.B. Clarke) C. Hope

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris lepidopoda* Hayata
- Subspecies:

- Variety:

4.Distribution:

Global: Himalayas, China and Taiwan.

India: Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:short-growing evergreen fern

8.Life Form:

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=41[19]

13. Zygotic chromosome number(s):2n=82[19]

14. Gametic chromosome number(s):n=82[19, 23, 82]

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

Image file

16.Ploidy level: Diploid (apogamous)[19],

Tetraploid (sexual)[23, 82]

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 (apogamous): 8-celled sporangium 82II [19],

Tetraploid: 82II [23, 82]

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.): Apogamous[19]