

Species Datasheet

Datasheet No. P-045.010.055
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris wallichiana* (Spreng.) Hyl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aspidium crinitum* M. Martens & Galeotti](#)

[*Aspidium filix-mas* var. *paleaceum* Mett.](#)

[*Aspidium filix-mas* f. *paleaceum* \(T. Moore\) Asch. & P. Graebn.](#)

[*Aspidium filix-mas* var. *parallelogrammum* \(Kunze\) Hillebr.](#)

[*Aspidium paleaceum* Lag. ex Sw.](#)

[*Aspidium parallelogrammum* Kunze](#)

[*Aspidium patentissimum* Wall. ex Kunze](#)

[*Aspidium wallichianum* Spreng.](#)

[*Dichasium parallelogrammum* \(Kunze\) Fée](#)

[*Dichasium patentissimum* \(Wall. ex Kunze\) Fée](#)

[*Dryopteris cyrtolepis* Hayata](#)

[*Dryopteris cyrtolepis* var. *doiana* \(Tagawa\) H. Itô](#)

[*Dryopteris cyrtolepis* var. *typica* H. Itô](#)

[*Dryopteris doiana* Tagawa](#)

[*Dryopteris doniana* Ching](#)

[*Dryopteris filix-mas* var. *crinita* \(M. Martens & Galeotti\) Rosenst.](#)

[*Dryopteris filix-mas* var. *paleacea* Druce](#)

[*Dryopteris filix-mas* subsp. *paleacea* \(T. Moore\) W. Koch ex Braun-Blanq.](#)

[*Dryopteris filix-mas* var. *parallelogramma* \(Kunze\) Conz.](#)

[*Dryopteris filix-mas* var. *parallelogramma* \(Kunze\) Christ](#)

[*Dryopteris filix-mas* subsp. *parallelogramma* \(Kunze\) Christ](#)

[*Dryopteris filix-mas* subsp. *patentissima* \(Wall. ex Kunze\) C. Chr.](#)

[*Dryopteris himalaica* \(Ching & S.K. Wu\) S.G. Lu](#)

[*Dryopteris paleacea* \(T. Moore\) Hand.-Mazz.](#)

[*Dryopteris parallelogramma* \(Kunze\) Alston](#)

[*Dryopteris patentissima* \(Wall. ex Kunze\) N.C. Nair](#)

Dryopteris quatanensis Ching

Dryopteris ursipes Hayata

Dryopteris wallichiana var. *himalaica* Ching & S.K. Wu

Dryopteris wallichiana var. *wallichiana*

Lastreafilix-mas var. *paleacea* T. Moore

Lastreafilix-mas var. *parallelogramma* (Kunze) Bedd.

Lastreafilix-mas var. *patentissima* (Wall. ex Kunze) Bedd.

Lastreapaleacea (Lag. ex Sw.) T. Moore

Lastreapallelogramma (Kunze) Liebm.

Lastreapatientissima (Wall. ex Kunze) J. Sm.

Nephrodium filix-mas var. *paleaceum* (T. Moore) Hook.

Nephrodium filix-mas f. *paleaceum* (T. Moore) Fiori

Nephrodium filix-mas var. *parallelogrammum* (Kunze) Hook.

Nephrodium filix-mas var. *patentissimum* (Wall. ex Kunze) C.B. Clarke

Nephrodium parallelogrammum (Kunze) C. Hope

Nephrodium parallelogrammum f. *patentissimum* (Wall. ex Kunze) C. Hope

Nephrodium patentissimum (Wall. ex Kunze) C.B. Clarke

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris wallichiana* (Spreng.) Hyl.
- Subspecies:
- Variety:

4. Distribution:

Global: Mexico (Chihuahua, Chiapas, Distrito Federal, Guanajuato, Hidalgo, Jalisco, Mexico State, Michoacan, Morelos, Oaxaca, Puebla, Queretaro, Tamaulipas, Tlaxcala), Guatemala, Honduras, Costa Rica, Panama, Colombia (Antioquia, Boyacá, Caldas, Cauca, Cesar, Cundinamarca, Magdalena, Meta, Nariño, Norte de Santander, Quindío, Risaralda, Santander, Tolima), Venezuela (Lara, Merida, Tachira, Trujillo), Ecuador, Galapagos, Peru, Bolivia (Chuquisaca, Cochabamba, La Paz, Santa Cruz), SE-Brazil (Minas Gerais, Sao Paulo, Rio de Janeiro), S-Brazil (Parana, Santa Catarina, Rio Grande do Sul), NE-Argentina (Catamarca, Jujuy, Salta, Tucuman), Cuba, Jamaica, Hispaniola, Tibet, China (Yunnan, Guizhou, Sichuan, Fujian, Jiangxi, Shanxi), Taiwan, Japan, Philippines, Vietnam, Nepal, Bhutan, Borneo (Mt. Kinabalu, etc.), Zimbabwe, India, Jammu & Kashmir, Sri Lanka, Myanmar [Burma], Java, New Guinea, Sulawesi, asiatic Turkey (Anatolia), Hawaii (Kauai, Oahu, Molokai, Lanai, Maui, Hawaii Isl.), Gough Isl.

India: Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Meghalaya, Arunachal Pradesh, Nilgiri Hills

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=41^{10, 19, 38, 43, 56, 62, 100}$

13. Zygotic chromosome number(s): $2n=82^{10, 19, 43, 56, 100, 123}$ $^{4, 5, 69, 70}$

14. Gametic chromosome number(s): $n=41^{38, 62, 82}$ $^{10, 43, 56, 100, 123}$ $^{4, 5, 69, 70}$

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

Image file

16. Ploid level: Diploid (sexual)^{19, 38, 62,} Diploid (apogamous)^{10, 43, 56, 100}

Triploid (apogamous)^{4, 5, 69, 70}

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: 41II^{38, 62}

Diploid (apogamous): 8-celled sporangium 82II^{10, 43, 56, 100}

Triploid (apogamous): 8-celled sporangium 123II^{4, 5, 69, 70}

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.): Apogamy^{4, 5, 10, 43, 56, 69, 70, 100}