

Species Datasheet

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Datasheet No. G-007.003.002
(family.genus.species)

1.Taxon:

Species: *Larix griffithii* Hook.f.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Abies griffithiana* Lindl. & Gordon, *Larix griffithiana* (Lindl.& Gordon) Carriere, *L. griffithii* subsp. *kongboensis* (R.R.Mill) Silba, [*L. kongboensis* R.R.Mill](#), *L. sikkimensis* Hook.ex Gordon, *Pinus griffithiana* Voss, [*P. griffithii* \(Hook.f.\) Parl.](#)

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Pinales Gorozh.
- Family: Pinaceae Spreng.
- Genus: *Larix* Mill.
- Species: *L. griffithii* Hook.f.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Coniferae

Tribus: Abietineae Eichler

Genus: *Larix* Mill.

Species: *L. griffithii* Hook.f.

4.Distribution:

Global: Bhutan, Eastern Nepal, southwestern China, eastern Himalayas from East Nepal, Sikkim and Bhutan to Arunachal Pradesh (northeast India)

India: Arunachal Pradesh, Sikkim, West Bengal

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat:Medium sized tree (20-25 m tall),*L.griffithii* occurs in the cloud belt of the East Himalayas, at elevations between (1,800-)2,400-4,000(-4,100) m a.s.l., on rocky moraines or various lithosols.

8.LifeForm:Phanerophytes

9.Economic Importance: Timber

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=12^{6,10, 23, 25}$

13. Zygotic chromosome number(s): $2n=24^{10, 23, 25}$

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level:Diploid^{10, 23, 25}

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:²³

KaryotypeMedian and submedian²³

Chromosome sizeLarge²³

NOR chromosome(s)

Degree of asymmetrySymmetrical²³

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

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.):