Species Datasheet

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Datasheet No. G-009.002.001
(family.genus.species)

1.Taxon:

Species:*Nageiawallichiana* (C.Presl) Kuntze
Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:*Decussocarpuswallichianus* (C. Presl) de Laub., *Nageiablumei* (Endl.) Gordon, *N.latifolia* Gordon, *Podocarpusagathifolius*Blume, *P.blumei*Endl.,*P.latifolius* Wall., *P.latifolius*Blume, *P.wallichianus*C. Presl

3. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Araucariales Gorozh.,
- Family: Podocarpaceae Endl.
- Genus: *Nageia* Gaertn.
- Species: *N.wallichiana* (C. Presl) Kuntze

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae

4.Distribution:

Global: South East Asia,China (Yunnan),India, Japan, Malaya, New Guinea

India: Assam,Andaman Islands, Kerala (Nilgiri and Palani Hills), Meghalaya,Great Nicobar Islands

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat: Evergreentree,occurs in evergreen subtropical forest, common in primary rainforest with canopy heights to 50 m or more, and occurs from lowlands to montane forested ridges at 2,100 m a.s.l.

8.Life Form: Phanerophytes

9.Economic Importance:*N.wallichiana* is a highly valued timber tree.

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=13[2]

13. Zygotic chromosome number(s):2n=26[2], 20 [1]

14. Gametic chromosome number(s):n=10[1]

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

Image file

16.Ploidylevel: Diploid[1, 2]

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:[2]

Karyotypemedian and submedian[2]

Chromosome size Large[2]

NOR chromosome(s)4[2]

Degree of asymmetry Symmetrical[2]

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;Translocationsetc.):