

Genus Datasheet

DBT- Network

Datasheet No. G-009.002
Programme
(Family.Genus)

1. Genus: *Nageia* Gaertn.

~~Kingdom: Plantae~~ **Kingdom: Plantae**

~~(1862)~~ **Phylum: Phanerogamia**

Class: Gymnospermeae

Ordo: Coniferae

2. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Araucariales Gorozh.,
- Family: Podocarpaceae Endl.
- Genus: *Nageia* Gaertn.

3. Species:

Global: 6

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Tropical and subtropical moist broadleaf forests of Asia and Australasia, from Assam in eastern India across Southeast Asia to southern China and southern Japan, and across Malesia, from the Malay peninsula across Indonesia to New Guinea and New Britain. An outpost of *N. wallichiana* is found in the South Western Ghats montane rain forests of southern India

India: Eastern India, South-western Ghats

6. Habit and Habitat:evergreenshrubs and trees, 54 meters in height, Tropical and subtropical r forests

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

8. DNA content range:

Methodology

9. Basic chromosome number(s):13²

10. Zygotic chromosome number(s):26², 20¹

1. Gametic chromosome number(s):10¹

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):

13. Ploidy level:Diploid^{1, 2}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: 2

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: