

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-253.002.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Hopeautilis* (Beddome) Bole
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Balanocarpus utilis*Bedd.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Malvids
- Order: MalvalesJuss.
- Family: Dipterocarpaceae Blume
- Genus:*Hopea*Roxb.
- Species: *H. utilis* (Beddome) Bole

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Guttiferales
- Ordo:Dipterocarpaceae Blume
- Genus:*Hopea*Roxb.
- Species:*H.utilis* (Beddome) Bole

4. Distribution:

Global:India

India: Kerala, Tamil Nadu

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

6. Threat Status:

IUCN: Endangered

BSI:

7. Habit and Habitat:Tree; near streams, ravines and rivers of evergreen and semi-evergreen forests (altitude 300-900 m)

8. Life Form:Phanerophyte

9. Economic Importance:Wood used for makings, agricultural tools, cart shafts, beams and used for building construction

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):