

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.017.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polyalthia cauliflora* Hook.f. & Thomson

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Desmos desmanthus* (Hook.f. & Thomson) Saff., *Guatteria palembanica* Miq., *G. teysmannii* Miq., *Monoon teysmannii* (Miq.) Miq., *M. teysmannii* f. *parvifolium* Miq., *Polyalthia beccarii* King, *P. cauliflora* var. *beccarii* (King) J.Sincl., *P. cauliflora* var. *desmantha* (Hook.f. & Thomson) J.Sinclair, *P. desmantha* (Hook.f. & Thomson) Ridl., *P. pycnantha* (Hook.f. & Thomson) King, *P. teysmannii* (Miq.) King, *P. teysmannii* var. *palembanica* (Miq.) Boerl., *Unona desmantha* Hook.f. & Thomson, *U. pycnantha* Hook.f. & Thomson, *Uvaria cauliflora* Wall.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Polyalthia* Blume
- Species: *P. cauliflora* Hook.f. & Thomson

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Polyalthia* Blume
- Species: *P. cauliflora* Hook.f. & Thomson

4.Distribution:

Global: India, Indonesia, Malaysia, Singapore, Thailand

India: Andaman and Nicobar Island

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

6.Threat Status:

IUCN: Not evaluated

BSI

7.Habit and Habitat:Small tree; inland tropical evergreen hill forests

8.Life Form:Phanerophyte

9.Economic Importance:Wood is a good timber

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 (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocations etc):