

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.017.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polyalthiaobliqua*Hook.f. & Thomson

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Polyalthiaconsanguinea*Merr., *P.lopadhantha*Diels, *P.similis*Merr., *P.subsessilifolia*Baker f.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: MagnolialesJuss.
- Family: AnnonaceaeJuss.
- Genus: *Polyalthia*Blume
- Species: *P.obliqua*Hook.f. & Thomson

Bentham and Hooker (1862)

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

4. Distribution:

Global: India

India: Assam, Meghalaya, Arunachal Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI

7. Habit and Habitat: Tree; forested area

8.Life Form:Phanerophyte

9.Economic Importance:

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):