

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.017.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polyalthiasuberosa*(Roxb.) Thwaites

Subspecies:

Variety:

Cultivar:

Hybrid

Image file

2. Synonyms: *Uvariasuberosa*Roxb.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: MagnolialesJuss.
- Family: AnnonaceaeJuss.
- Genus: *Polyalthia*Blume
- Species: *P.suberosa*(Roxb.) Thwaites

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: AnnonaceaeJuss.
- Genus: *Polyalthia*Blume
- Species: *P.suberosa*(Roxb.) Thwaites

4.Distribution:

Global:Bangladesh, India, Laos, Malaya, Myanmar, Vietnam, Trinidad-Tobago

India: Andhra Pradesh, Assam, Kerala, Meghalaya, Madhya Pradesh, Orissa, Tamil Nadu, West Bengal

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Small tree

8.Life Form: Phanerophyte

9.Economic Importance: Fruits edible

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^{1,2}$

14. Gametic chromosome number(s): $n=9^3$

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):