

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.017
(Family:Genus)

DBT- Network Programme

1. Genus:*Polyalthia*Blume

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Polyalthia* Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus:*Polyalthia* Blume

3. Species:

Global:73

India: 7

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, India, Jawa, Laos, Lesser Sunda Island, Madagascar, Malaya, Myanmar, New Guinea, Nicobar Island, Philippines, Queensland, Solomon Island, Sri Lanka, Sulawesi, Sumatera, Thailand, Vietnam

India: Throughout India

6. Habit and Habitat:Trees or shrubs

7.Economic Importance:Used as timber and Fruits are edible

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

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

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

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

13. Ploidy level:

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

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

16. Karyograms: **Meiosis:**

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 1/7