

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-165.001
(Family.Genus)

DBT- Network Programme

1. Genus:*Datisca*L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Fabids
- Order: CucurbitalesJuss. ex Bercht. & J. Presl
- Family: DatisceaeDumort.
- Genus:*Datisca* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Caliciflorae
- Cohors: PassifloralesJuss. ex Bercht. & J. Presl
- Ordo: DatisceaeDumort.
- Genus:*Datisca* L.

3. Species:

Global: 2

India: 1

4. Taxonomic riddles:

5. Distribution:

Global:Afghanistan, Cyprus, East Aegean Island, India, Iran, Iraq, Kirgizstan, Kriti,Lebanon-Syria, Nepal, Pakistan, Palestine, Tadjikistan, Transcaucasus, Turkey, Uzbekistan, Vietnam

India:Western Himalaya

6. Habit and Habitat:Herb; Temperate and subtropical Himalaya.

7. Economic Importance:

8. DNA content range:

4C (4.59±0.03 pg)¹

Methodology

Flow cytometry¹

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s): $n = 11^{2,3,4,5}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes): Unequal pair of chromosomes in addition to autosome pairs which to be a sex chromosome complex of an XY-type³

13. Ploidy level: Diploid^{3,5}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

16. Karyograms: Meiosis:^{2,3,5}

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: 100% pollen fertility⁵