

Genus Datasheet

DBT- Network Programme

Datasheet No. A-140.077

(Family.Genus)

1. Genus: *Ulex*L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Ulex*L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Ulex*L.

3. Species:

Global

India 1

4. Taxonomic riddles:

5. Distribution:

Global:Argentina , Bolivia , Brazil , Canada , Caribbean , Chile , Colombia , Costa Rica ,

Ecuador , Mexico , Panama , United States , Uruguay , Australia, Azores , China,

Cyprus, Denmark , Falkland , Germany , Great Britain , Gruzia , Hawaii , India ,

Indonesia , Ireland , Italy, Jamaica , Jawa , Madagascar , Madeira , Mauritius ,

Netherlands , New Zealand , Panama , Portugal , South Africa , Sri Lanka , Sweden ,

Switzerland , Tadzhikistan , Tanzania , Tasmania , Ukraine , United States, Uruguay

India

6. Habit and Habitat:Shrub

7.Economic Importance:

8. DNA content range: Methodology

2C DNA=7.7pg

Flowcytometry¹

9. Basic chromosome number(s): $x=16$ ¹⁷

10. Zygotic chromosome number(s): $2n=32$ ², $2n=64$ ^{2,13,16}, $2n=96$ ^{1-9,11,12,13,15,17}

11. Gametic chromosome number(s): $n=48$ ^{4,10,11,12,14}

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

13. Ploidy level:Diploid², Tetraploid², Hexaploid^{1,2,3,11,12,17}, Polyploid¹⁵

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

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

16. Karyograms:

Meiosis:48II, 46II+4I, 48I+48I¹²

17. Banding pattern(s):

18. Physical mapping of chromosomes:

FISH:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:¹⁸

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: