

Species Datasheet

Datasheet No. A-140.077.001
(family.genus.species)

DBT-1

1.Taxon:

Species: *Ulexeuropaeus*L

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Ulex armoricanus* Mabilie ,*Ulex compositus* Moench , *Ulex europaea* L. ,

Ulex europaeus subsp. *borealis* Rothm., *Ulex europaeus* subsp. *europaeus*

, *Ulex floridus* Salisb., *Ulex hibernicus* G.Don , *Ulex major* Thore,

Ulex opistholepis Webb, *Ulex strictus* J.Mackay, *Ulex vernalis* Thore

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

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

4.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 :

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Shrub

8.Life Form:Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

2C DNA=7.7pg

Flowcytometry¹

12.Basic chromosome number(s): $x=16^{17}$

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

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

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

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

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 48II, 46II+4I, 48I+48I¹²

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; Translocation etc.):