

Species Datasheet

Datasheet No. A-140.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Clianthus puniceus*(G. Don) Banks & Sol. ex Lindl

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Clianthus puniceus* var. *puniceus*, *Doniapunicea* G. Don

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Clianthus* Sol. ex Lindl.
- Species: *C. puniceus* (G. Don) Banks & Sol. ex Lindl

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Clianthus* Sol. ex Lindl.
Species: *C. puniceus* (G. Don) Banks & Sol. ex Lindl

4. Distribution:

Global: India, Sri Lanka, Australasia

India:

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

6. Threat Status:

IUCN: Endangered

BSI:

7. Habit and Habitat: Shrub or small tree. Found in scrubby forest margins and flax land.

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^1$

14. Gametic chromosome number(s):

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: 2, 3

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):