

Species Datasheet

Datasheet No. A-140.083.006
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Trigonellahamosa*L.

Variety

Cultivar

Hybrid

2. Synonyms:

3.Systematic position: APG; Bentham and Hooker:

APG IV (2016)

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

4.Distribution:

Global:

India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Perennial

8.Life Form: Herb

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{4,11,35,36,37}$

14. Gametic chromosome number(s): $n=8^{4,37}$

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

16.Ploidy level:Diploid^{4,37}

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:⁴

Karyotype: Majorly Submetacentric

Chromosome size:Small

NOR chromosome(s): 4

Degree of asymmetry

22. Banding pattern(s):

23.Physical mapping of chromosomes:

In situ hybridization

Fluorescent in situ hybridization

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis: 8 II^{4, 37}

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

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