Species Datasheet

Datasheet No. A-140.002.028 (family.genus.species) **DBT- Network Programme**

1. Taxon:

Species:*Vignatrilobata*(L.) Verdc.
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file:

2. Synonyms:*Dolichostrilobatus* L.,*Phaseolustrilobatus* (L.) Schreb., *P. trilobatus* (L.) Baill., *P.trilobus*(L.)Aiton.,*P. trilobus*Aiton,*Vignatrilobata* var. *trilobata*

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Vigna*Savi
- Species: *V. trilobata*(L.) Verdc.

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Vigna*Savi
Species: *V. trilobata*(L.) Verdc.

4. Distribution:

Global: Afghanistan,Bangladesh,Bhutan,China, India,Indonesia,Myanmar, Nepal, Pakistan,Peru,Sri Lanka, Taiwan, Vietnam,

India: Andhra Pradesh,Delhi,Karnataka, Kerala,Rajasthan, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Twinning, straggling herb, grows in sandy soil

8. Life Form: Therophytes

9. Economic Importance: Immature seedpods - cooked and eaten as a vegetable

10. Probable Progenitor of:

11. DNA

C-value	Methodology
2.60 pg	Microdensitometer[14]

12. Basic chromosome number(s): x=11[1]

13. Zygotic chromosome number(s): 2n=22 [1,14,15,77]

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid [1,14,15,77]

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: [1,15,77]

Karyotype Majority metacentric chromosomes

Chromosome size Small

NOR chromosome(s)

Degree of asymmetry Symmetrical

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

DNA level[60]

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