Species Datasheet

Datasheet No. A-140.002.035 **DBT- Network Programme**
(family.genus.species)

1. **Taxon:**

Species
Subspecies:*Vignaunguiculata*subsp.*unguiculata*
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Vigna unguiculata* (L.) Walp , *Dolichos sinensis* L., *Vigna sinensis* (L.)Endl. ex Hassk.

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: *Vigna*Savi
- Species:*Vignaunguiculata*

Bentham and Hooker (1862)

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

4.Distribution:

Global: China, Costa Rica

India

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

6.Threat Status:
IUCN

BSI

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value **Methodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=22[1,34, 38, 154]

14. Gametic chromosome number(s):n=11[154, 155]

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

16.Ploidy level: Diploid[154]
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:[34,71]
Karyotype Majority Metacentric chromosomes
Chromosome size Small
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:[156]
Image file

26.Chromosome associations:
Female meiosis
Male meiosis11 II [154]
Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level157, 158, 159

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