**Table S1.** Details of genotypes used in the study

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| --- | --- | --- | --- |
| **Genotype** | **Pedigree** | **Morphological features** | **Source** |
| **Stem colour** | **Waxy coating\*** | **Spine on capsules** |
| 48-1 | Inbred derived from ‘High oil mutant’×’Mauthner’s dwarf’ | Red | 2 | No | IIOR |
| CI-1 | Inbred derived from ‘AP303’ × ‘48-1’ | Red | 0 | No | IIOR |
| AP42 | Single plant selection from germplasm accession, RG999 collected from Dantiwada, India | Red | 3 | Yes | IIOR |
| AP48 | Single plant selection from germplasm accession, RG1149 collected from Nigeria | Green | 3 | Yes | IIOR |
| JC12 | Inbred derived from JC-6 × HC-6 | Red | 2 | Yes | Jawaharlal Nehru Krishi Vishwa Vidyalaya, India |
| JI35 | Local selection from Junagadh, India | Green | 2 | Yes | Junagadh Agricultural University, India |
| AP3 | Single plant selection from germplasm accession, RG72 collected from Hyderabad, India | Red | 2 | Yes | IIOR |
| AP52 | Single plant selection from germplasm accession, RG1289 | Mahogany | 3 | Yes | IIOR |
| AP72 | Single plant selection from germplasm accession, RG1759 collected from Hyderabad, India | Green | 1 | Yes | IIOR |
| AP130 | Single plant selection from germplasm accession, RG2991, collected from Ranchi, India | Red | 2 | Yes | IIOR |
| AP134 | Single plant selection from germplasm accession, RG3037 collected from Kutch, India | Green | 2 | Yes | IIOR |
| AP306 | Single plant selection from germplasm accession, RG3216 | Red | 0 | Yes | IIOR |

\*0: Not present, 1: Present only on stem, 2: Present on stem and lower surface of the leaf, 3: Present on stem, lower and upper surface of leaves