**Supplementary Tables**

**Table S1.** Growth habit and pedigree/source of parents used to derive crosses in horse gram

|  |  |  |  |
| --- | --- | --- | --- |
| Parents | Growth habit | Source | Pedigree |
| Palem1 | Indeterminate | Agriculture Research station, Palem, Andhra Pradesh | Unknown |
| CRIDA-18-R | Indeterminate | CRIDA, Hyderabad | Mutant of K-42 |
| HPKM-320 | Determinate | CSK HPKV, Palampur | Unknown |
| IC 361290 | Determinate | NBPGR, Bhowali | Unknown |

**Table S2.** Estimates of additive effects and additive genetic variance for quantitative traits in F2:3 families derived from two crosses in horse gram

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | m | | [a] | | σ2A | |
| Trait | HPKM 320 × CRIDA 18-R | IC 361290 × Palem 1 | HPKM 320 × CRIDA 18-R | IC 361290 × Palem 1 | HPKM 320 × CRIDA 18-R | IC 361290 × Palem 1 |
| Primary branches plant-1 | 5.73 | 5.29 | 1.00 | 1.19 | 1.10 | 0.12 |
| Pods plant-1 | 31.76 | 36.83 | 15.17 | 2.60 | 53.12 | 62.22 |
| Pod weight plant-1 (g) | 5.82 | 6.49 | 1.80 | 0.52 | 2.10 | 1.62 |
| Grain weight plant-1 (g) | 2.54 | 3.45 | 0.42 | 0.34 | 0.74 | 0.96 |