**Table S1: Mean square of variance analysis for different traits of 529 chickpea accessions**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Source of variation** | **df** | **Days to**  **50 % flowering** | **Plant height**  **(cm)** | **Number of branches plant-1** | **Number of pods plant-1** | **Number of pods branch-1** | **100 seed weight (g)** | **Seed yield plant-1 (g)** |
| Replication | 1 | 0.02 | 7782.12 | 2.40 | 50.87 | 16.13 | 1.19 | 0.25 |
| Genotypes (unadjusted) | 528 | 99.34\*\* | 42.23\*\* | 4.2 7\*\* | 130.39\*\* | 8.58\*\* | 50.86\*\* | 31.65\*\* |
| Blocks within replication (adjusted) | 44 | 1.59\* | 3.82\*\* | 1.89\*\* | 7.90\*\* | 2.38\*\* | 1.15 | 0.18 |
| Error (intra block) | 484 | 1.24 | 2.26 | 1.12 | 3.58 | 1.31 | 0.90 | 0.20 |

Statistically significant \* (p=0.05) and \*\*(p=0.01)