**Suppl. Table 1.** Line x tester variance analyses for examined traits

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOV | DF | PH | | SL | | GNS | | GWS | | TGW | | HI | | GY | |
|  |  | F1 | F2 | F1 | F2 | F1 | F2 | F1 | F2 | F1 | F2 | F1 | F2 | F1 | F2 |
| Replication | 2 | 1.16ns | 61.88ns | 0.67ns | 0.89ns | 47.62\* | 3.71ns | 22.31\* | 4364.52ns | 1538.67ns | 10.46ns | 3.71ns | 22.31\* | 4364.52ns | 1538.67ns |
| Genotypes | 50 | 200.79\*\* | 200.91\*\* | 3.98\*\* | 1.02\*\* | 228.05\*\* | 79.36\*\* | 10.67\*\* | 92152.83\*\* | 13171.90\*\* | 26.85\*\* | 79.36\*\* | 10.67\*\* | 92152.83\*\* | 13171.90\*\* |
| Parents | 14 | 358.11\*\* | 276.41\*\* | 8.70\*\* | 1.57\*\* | 185.27\*\* | 67.72\*\* | 6.483ns | 88769.25\*\* | 10078.56\*\* | 31.08\*\* | 67.72\*\* | 6.48ns | 88769.25\*\* | 10078.56\*\* |
| Interaction | 1 | 608.97\*\* | 119.09ns | 0.00ns | 0.22ns | 68.40\* | 538.54\*\* | 8.584ns | 79241.27\*\* | 64122.51\*\* | 522.33\*\* | 538.54\*\* | 8.58ns | 79241.27\*\* | 64122.51\*\* |
| Crosses | 35 | 126.19\*\* | 173.04\*\* | 2.20\*\* | 0.82\*\* | 249.73\*\* | 70.89\*\* | 12.41\*\* | 93875.16\*\* | 12953.51\*\* | 11.00\*\* | 70.89\*\* | 12.41\*\* | 93875.16\*\* | 12953.51\*\* |
| Lines | 11 | 276.25\*\* | 420.90\*\* | 2.17ns | 1.05ns | 548.70\*\* | 79.84ns | 16.78\* | 116331.48ns | 14536.24ns | 18.04ns | 79.84ns | 16.78\* | 116331.48ns | 14536.24ns |
| Testers | 2 | 301.86\*\* | 53.29ns | 12.73\*\* | 1.14ns | 177.66ns | 37.81ns | 51.22\*\* | 103127.12ns | 8573.62ns | 3.06ns | 37.81ns | 51.22\*\* | 103127.12ns | 8573.62ns |
| Line x Tester | 22 | 35.20\*\* | 59.99\* | 1.26\*\* | 0.68\*\* | 106.80\*\* | 69.43\*\* | 6.70ns | 81805.92\*\* | 12560.32\*\* | 8.20ns | 69.43\*\* | 6.70ns | 81805.92\*\* | 12560.32\*\* |
| Error | 100 | 10.34 | 31.96 | 0.47 | 0.31 | 12.24 | 4.43 | 6.03 | 2355.40 | 1314.16 | 5.06 | 4.43 | 6.03 | 2355.40 | 1314.16 |

\*P<0,05 , \*\* P < 0,01 (SOV: Source of variation; DF: Degree of freedom; PH: Plant height; SL: Spike length; GNS: Grain number per spike; GWS: Grain weight per spike; TGW: Thousand grain weight; HI: Harvest index; GY: Grain yield)