

Table 1 Analysis of variance for combining ability of Line x Tester interspecific crosses (YHB) for different quantitative characters

| Source | d.f. | Mean sum of squares | | | | | | | |
|----------------------|------|---------------------------|-------------------|-----------------|--------------|----------------------|----------------|---------------------|----------------|
| | | Seed cotton yield (kg/ha) | Plant height (cm) | No. of sympodia | No. of bolls | Mean boll weight (g) | Seed index (g) | Ginning outturn (%) | Lint index (g) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Replications | 1 | 1464781.85** | 1722.35 | 198.14** | 94.58** | 2.29** | 37.90** | 12.28 | 1.85* |
| Crosses | 91 | 365118.66** | 722.32 | 13.58 | 43.03** | 0.23** | 2.56** | 13.51** | 0.95** |
| Line Effect | 3 | 1344213.43** | 705.20 | 0.99 | 56.37 | 0.61* | 1.94 | 7.76 | 0.63 |
| Tester Effect | 22 | 903079.19** | 541.25 | 11.19 | 45.34 | 0.28 | 3.86* | 20.30* | 1.46* |
| Line x Tester Effect | 66 | 141294.17** | 783.46 | 14.95 | 41.65** | 0.20** | 2.16** | 11.51** | 0.80** |
| Error | 91 | 47434.74 | 831.52 | 12.26 | 1.94 | 0.04 | 0.74 | 3.45 | 0.36 |

Note: * Significant at P = 0.05; ** Significant at P = 0.01