**Suppl. Table 3.** General combining ability effects of parents for yield-related characteristics

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parents** | **PH** | **SL** | **GNS** | **GWS** | **TGW** | **HI** | **GY** |
| **F1** | **F2** | **F1** | **F2** | **F1** | **F2** | **F1** | **F2** | **F1** | **F2** | **F1** | **F2** | **F1** | **F2** |
| NZFE-64 | -0.12 | -0.35 | -0.46 | -0.11 | -1.68 | -1.89 | -0.11 | 0.17 | -0.23 | 0.74 | 0.14 | -1.69\* | 123.79\*\* | -60.24\*\* |
| NZFE-63 | 2.80\* | -1.03 | 0.43 | 0.18 | 10.05\*\* | 5.12\* | 0.41\*\* | -0.09 | -1.33 | -0.35 | 3.38\*\* | 0.83 | 145.56\*\* | 24.20\* |
| NZFE-62 | 8.86\*\* | 6.43\*\* | 0.69\*\* | -0.12 | -0.57 | -1.02 | -0.23\*\* | -0.26\* | -0.86 | -4.06\*\* | 2.81\*\* | -1.85\* | 50.34\*\* | 32.54\*\* |
| 4162-28 | -5.34\*\* | -8.31\*\* | 0.32 | 0.38\* | -12.87\*\* | -3.57 | -0.37\*\* | -0.20 | 5.72\*\* | -0.04 | 0.93 | -0.23 | 71.01\*\* | -9.35 |
| 4166-1 | -6.88\*\* | -12.91\*\* | -0.10 | -0.85\*\* | -9.20\*\* | -2.62 | -0.35\*\* | -0.15 | 0.40 | 1.21 | -4.08\*\* | 2.17\*\* | -135.21\*\* | -45.02\*\* |
| 4164-36 | -10.52\*\* | -9.65\*\* | 0.02 | -0.14 | -9.98\*\* | -1.76 | -0.19\* | -0.16 | 6.79\*\* | 0.47 | -5.28\*\* | 1.88\* | -135.21\*\* | -21.68 |
| NZFE-25 | 0.35 | 6.04\*\* | -0.52\*\* | -0.09 | -1.63 | 0.27 | -0.15\* | 0.19 | -3.39\*\* | 0.68 | -1.25 | -1.66\* | -132.21\*\* | 35.65\*\* |
| NZFE-38 | 3.21\*\* | 7.02\*\* | -0.64\*\* | 0.42\* | 2.90\*\* | 4.34\* | 0.24\*\* | 0.27\*\* | 0.34 | 0.30 | 1.68\* | 0.22 | 25.79 | -40.02\*\* |
| NZFE-55 | -1.04 | 6.58\*\* | -0.66\*\* | -0.11 | -0.76 | -1.34 | -0.38\*\* | -0.09 | -3.45\*\* | -0.99 | -3.81\*\* | -0.88 | -130.21\*\* | -20.57 |
| NZFMT-14 | 2.76\* | 1.28 | 0.21 | 0.37\* | 7.45\*\* | 3.55 | 0.17\* | 0.27\*\* | -1.19 | 0.90 | 1.72\* | 1.23 | 28.23 | 73.43\*\* |
| NZFMT-15 | 6.70\*\* | 1.94 | 0.71\*\* | 0.03 | 11.01\*\* | -1.05 | 0.52\*\* | -0.01 | -1.44 | 0.29 | 3.28\*\* | -0.26 | 148.34\*\* | -3.68 |
| NZFMT-21 | -0.78 | 2.97 | -0.00 |  0.04 | 5.29\*\* | -0.02 | 0.43\*\* | 0.06 | -1.35 | 0.87 | 0.47 | 0.24 | -60.21\*\* | 34.76\*\* |
| TEKİRDAĞ | -0.20 | -1.39 | -0.08 | -0.16 | 2.30\*\* | -0.97 | 0.16\*\* | -0.00 | -0.24 | -0.01 | -0.79\* | 0.30 | -34.60\*\* | -0.27 |
| RENAN | 2.99\*\* | 0.87 | 0.63\*\* | 0.19\* | -0.17 | -2.91\*\* | 0.02 | -0.18\*\* | 2.06\*\* | 0.30 | 1.16\*\* | -1.31\*\* | 61.65\*\* | -15.30\* |
| ESPERİA | -2.79\*\* | 0.52 | -0.55\*\* | -0.04 | -2.13\*\* | 3.88\*\* | -0.18\*\* | 0.18\*\* | -1.82\*\* | -0.29 | -0.37 | 1.01\* | -27.05\*\* | 15.56\* |

\*P<0,05 , \*\* P < 0,01 (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)