Soybean RILs with superior protein content and comparable yield performance to high-yielding check cultivars.

|  |  | **Protein** | | | | **Yield** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Genotypea** | **Test Nameb** | **Valuec** | **Rankd** | **Test Averagee** | **Check Averagef** | **Value** | **Rank** | **Test Average** | **Check Average** |
| N18-1763 | Jay Test 1 | 47.82 (116.8%) | 2 | 45.09 | 40.94 | 39.45 (87.6%) | 17 | 42.92 | 45.05 |
| N18-1855 | 47.52 (116.1%) | 3 | 43.17 (95.8%) | 10 |
| N18-1595 | 47.36 (115.7%) | 4 | 43.52 (96.6%) | 9 |
| N18-1632-1 | 46.64 (113.9%) | 6 | 45.73 (101.5%) | 6 |
| N18-1620 | 43.63 (106.6%) | 15 | 46.54 (103.3%) | 3 |
| N18-1635 | 43.61 (106.5%) | 16 | 46.45 (103.1%) | 4 |
| N18-1731 | 46.1 (112.6%) | 8 | 43.16 (95.8%) | 11 |
| N18-1674 | 45.19 (110.4%) | 9 | 44.26 (98.2%) | 7 |
| N18-1682 | 45.11 (110.2%) | 10 | 43.64 (96.9%) | 8 |
| N18-1572 | 45.08 (110.1%) | 11 | 38.58 (85.6%) | 19 |
| N18-1751 | 44.8 (109.4%) | 12 | 41.59 (92.3%) | 15 |
| N18-1761 | Jay Test 2 | 49.1 (114.8%) | 2 | 45.7 | 42.77 | 45.74 (105.3%) | 9 | 43.65 | 43.44 |
| N18-1575 | 48.67 (113.8%) | 4 | 42.49 (97.8%) | 12 |
| N18-1769 | 48.58 (113.6%) | 5 | 37.88 (87.2%) | 18 |
| N18-1783 | 46.74 (109.3%) | 8 | 37.63 (86.6%) | 19 |
| N18-1627 | 45.9 (107.3%) | 9 | 46.01 (105.9%) | 8 |
| N18-1643 | 44.35 (103.7%) | 13 | 40.54 (93.3%) | 16 |
| aThe genotype name. | | | | | | | | | |
| bThe test name | | | | | | | | | |
| cThe genotype marginal mean for the phenotype (value divided by check average). | | | | | | | | | |
| dThe ranking of this genotype for the phenotype within its test. | | | | | | | | | |
| eThe average phenotype value for all genotypes in the test. | | | | | | | | | |
| fThe average value of the checks in the test. | | | | | | | | | |