Pheno Table (P1 = Clermont, P2 = PI)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Population | Trait | Environment | Parents | |  | RILs | | | |  |  |
| P1 | P2 |  | Range | Mean | SD | CV | Skewness | Kurtosis |
| Pop33 | Oil | NC17 | 21.4 | 17.0 |  | 16.6 - 22.2 | 19.4 | 1.29 | 6.63% | 0.00 | -0.63 |
|  |  | NC18 | 21.5 | 17.4 |  | 17 - 23.7 | 20.3 | 1.40 | 6.88% | 0.24 | -0.04 |
|  |  | OH17 | 19.2 | 15.6 |  | 15.4 - 21 | 18.5 | 1.06 | 5.72% | -0.06 | 0.02 |
|  |  | OH18 | 20.4 | 15.8 |  | 15.8 - 22.4 | 19.1 | 1.40 | 7.30% | 0.11 | -0.66 |
|  |  | Combined | 20.6 | 16.7 |  | 16.5 - 21.8 | 19.3 | 1.14 | 5.91% | 0.10 | -0.41 |
|  | Protein | NC17 | 41.9 | 49.2 |  | 39.4 - 52.6 | 45.3 | 2.55 | 5.64% | 0.10 | -0.22 |
|  |  | NC18 | 44.3 | 48.4 |  | 39.9 - 53.2 | 46.0 | 2.33 | 5.06% | 0.38 | 0.06 |
|  |  | OH17 | 43.7 | 48.2 |  | 37.4 - 51.3 | 44.5 | 2.38 | 5.35% | 0.12 | -0.18 |
|  |  | OH18 | 43.5 | 47.4 |  | 39.9 - 52.4 | 45.4 | 2.51 | 5.52% | 0.27 | -0.11 |
|  |  | Combined | 44.1 | 48.7 |  | 39.2 - 51.1 | 45.3 | 2.19 | 4.85% | 0.12 | -0.15 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Pop34 | Oil | NC18 | 22.9 | 18.5 |  | 18.3 - 23.7 | 21.3 | 1.09 | 5.13% | -0.14 | 0.35 |
|  |  | NC19 | 21.6 | 17.6 |  | 16.4 - 22.1 | 20.1 | 1.13 | 5.63% | -0.50 | 0.35 |
|  |  | OH18 | 21.2 | 18.7 |  | 18.1 - 22.3 | 20.3 | 1.01 | 4.95% | 0.02 | -0.69 |
|  |  | OH19 | 21.1 | 19.3 |  | 17.9 - 22.2 | 20.2 | 0.92 | 4.54% | -0.14 | -0.49 |
|  |  | Combined | 21.7 | 18.5 |  | 18.5 - 22.2 | 20.5 | 0.78 | 3.80% | -0.43 | 0.02 |
|  | Protein | NC18 | 43.3 | 48.8 |  | 41.8 - 52.3 | 46.6 | 2.04 | 4.38% | 0.13 | -0.30 |
|  |  | NC19 | 42.3 | 51.0 |  | 41.4 - 52.4 | 46.3 | 2.21 | 4.78% | 0.39 | 0.30 |
|  |  | OH18 | 42.6 | 46.4 |  | 40.2 - 49.3 | 44.8 | 1.73 | 3.85% | 0.04 | 0.19 |
|  |  | OH19 | 41.0 | 44.6 |  | 40.4 - 49.4 | 44.1 | 1.99 | 4.50% | 0.16 | -0.47 |
|  |  | Combined | 42.3 | 47.7 |  | 42.3 - 48.5 | 45.5 | 1.31 | 2.88% | -0.05 | -0.46 |