Corr Table (All of Pop33 corrs are significant at p<0.001 \*\*\*)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Combined | |  | OH18 | |  | NC18 | |  | OH17 | |  | NC17 |
| Population | Environment | Trait | Protein | Oil |  | Protein | Oil |  | Protein | Oil |  | Protein | Oil |  | Protein |
| Pop33 | NC17 | Oil | -0.73 | 0.93 |  | -0.6 | 0.78 |  | -0.73 | 0.82 |  | -0.58 | 0.75 |  | -0.8 |
| Protein | 0.88 | -0.75 |  | 0.67 | -0.63 |  | 0.8 | -0.74 |  | 0.7 | -0.54 |  |  |
| OH17 | Oil | -0.65 | 0.88 |  | -0.59 | 0.78 |  | -0.55 | 0.69 |  | -0.64 |  |  |  |
| Protein | 0.88 | -0.66 |  | 0.75 | -0.58 |  | 0.71 | -0.6 |  |  |  |  |  |
| NC18 | Oil | -0.72 | 0.9 |  | -0.61 | 0.75 |  | -0.7 |  |  |  |  |  |  |
| Protein | 0.89 | -0.72 |  | 0.73 | -0.63 |  |  |  |  |  |  |  |  |
| OH18 | Oil | -0.74 | 0.91 |  | -0.76 |  |  |  |  |  |  |  |  |  |
| Protein | 0.89 | -0.7 |  |  |  |  |  |  |  |  |  |  |  |
| Combined | Oil | -0.77 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Combined | |  | OH19 | |  | NC19 | |  | OH18 | |  | NC18 |
|  |  |  | Protein | Oil |  | Protein | Oil |  | Protein | Oil |  | Protein | Oil |  | Protein |
| Pop34 | NC18 | Oil | -0.57\*\*\* | 0.83\*\*\* |  | -0.15 | 0.23\* |  | -0.63\*\*\* | 0.85\*\*\* |  | -0.08 | 0.24\* |  | -0.52\*\* |
| Protein | 0.69\*\*\* | -0.4\*\*\* |  | -0.3 | 0.3 |  | 0.65\*\*\* | -0.57\*\*\* |  | 0.05 | 0.01 |  |  |
| OH18 | Oil | -0.49\*\*\* | 0.68\*\*\* |  | -0.62\*\*\* | 0.69\*\*\* |  | -0.11 | 0.17\* |  | -0.61\*\* |  |  |  |
| Protein | 0.6\*\*\* | -0.37\*\*\* |  | 0.51\*\*\* | -0.36\*\*\* |  | 0.9 | -0.11 |  |  |  |  |  |
| NC19 | Oil | -0.65\*\*\* | 0.78\*\*\* |  | -0.6 | 0.14 |  | -0.81\*\*\* |  |  |  |  |  |  |
| Protein | 0.73\*\*\* | -0.6\*\*\* |  | -0.1 | -0.09 |  |  |  |  |  |  |  |  |
| OH19 | Oil | -0.43\*\*\* | 0.66\*\*\* |  | -0.74\*\*\* |  |  |  |  |  |  |  |  |  |
| Protein | 0.54\*\*\* | -0.49\*\*\* |  |  |  |  |  |  |  |  |  |  |  |
| Combined | Oil | -0.74\*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |