

| Correlations between PGH values determined in different trials. | | | | | |
|-----------------------------------------------------------------|-----------|-----------|-----------|-----------|----------|
| Trait trial | PGH 15/16 | PGH 16/17 | PGH 17/18 | PGH 18/19 | PGH BLUE |
| PGH_15/16 | 1.00 | | | | |
| PGH_16/17 | 0.56*** | 1.00 | | | |
| PGH_17/18 | 0.15 | 0.22* | 1.00 | | |
| PGH_18/19 | 0.50*** | 0.43*** | 0.68*** | 1.00 | |
| PGH_BLUE | 0.74*** | 0.67*** | 0.76*** | 0.89*** | 1.00 |

Pearson correlation coefficient determined at * $p < 0.05$, *** $p < 0.001$.

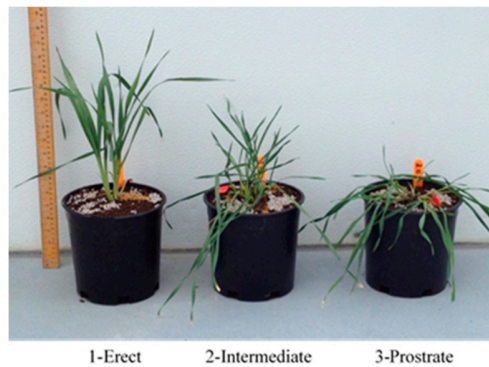


Figure S3. Frequency distribution and correlation analysis for PGH data obtained for rye population in four studies. Phenotypes scored for PGH is shown.