**Table S3.** Pair-wise Pearson’s correlation coefficient for stripe rust resistance phenotypic values.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ROS\_2011\_YR\_IT2 | GH\_2011\_YR\_IT2 | ROS\_2010\_YR\_IT2 | ROS\_2011\_YR\_SV3 | GH\_2011\_YR\_SV1 | ROS\_2010\_YR\_SV1 | TEX\_2012\_YR\_IT | GH\_2010\_YR\_SD |
| ROS\_2011\_YR\_IT2 | - |  |  |  |  |  |  |  |
| GH\_2011\_YR\_IT2 | 0.73 | - |  |  |  |  |  |  |
| ROS\_2010\_YR\_IT2 | 0.42 | 0.43 | - |  |  |  |  |  |
| ROS\_2011\_YR\_SV3 | 0.64 | 0.70 | 0.61 | - |  |  |  |  |
| GH\_2011\_YR\_SV1 | 0.36 | 0.46 | 0.39 | 0.44 | - |  |  |  |
| ROS\_2010\_YR\_SV1 | 0.43 | 0.57 | 0.68 | 0.79 | 0.33 | - |  |  |
| TEX\_2012\_YR\_IT | 0.22 | 0.42 | 0.55 | 0.57 | 0.31 | 0.61 | - |  |
| GH\_2010\_YR\_SD | 0.07 | 0.28 | 0.44 | 0.37 | 0.33 | 0.40 | 0.52 | - |