Table S4 Correlations between yield and yield components estimated in the RIL, IF₂, and two BCF₁ populations

<table>
<thead>
<tr>
<th>Traits</th>
<th>Population</th>
<th>FB</th>
<th>BN</th>
<th>BW</th>
<th>LP</th>
<th>SY</th>
<th>LY</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN</td>
<td>RIL</td>
<td>0.262*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF₂</td>
<td>0.290*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HSBCF₁</td>
<td>0.082*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARBCF₁</td>
<td>0.135*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RIL</td>
<td>0.144**</td>
<td>-0.126**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF₂</td>
<td>-0.069*</td>
<td>0.113**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HSBCF₁</td>
<td>-0.233**</td>
<td>0.203**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARBCF₁</td>
<td>-0.249**</td>
<td>0.155**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BW</td>
<td>RIL</td>
<td>-0.249**</td>
<td>0.246**</td>
<td>-0.257**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF₂</td>
<td>0.026</td>
<td>0.058</td>
<td>0.796**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HSBCF₁</td>
<td>-0.387**</td>
<td>0.157**</td>
<td>0.129**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARBCF₁</td>
<td>-0.411**</td>
<td>0.094*</td>
<td>0.167**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP</td>
<td>RIL</td>
<td>0.388**</td>
<td>0.209**</td>
<td>0.485**</td>
<td>-0.227**</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF₂</td>
<td>0.084**</td>
<td>0.583**</td>
<td>0.174**</td>
<td>-0.052</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HSBCF₁</td>
<td>0.178**</td>
<td>0.506**</td>
<td>0.319**</td>
<td>0.113**</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARBCF₁</td>
<td>0.025</td>
<td>0.585**</td>
<td>0.397**</td>
<td>0.135**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SY</td>
<td>RIL</td>
<td>0.344**</td>
<td>0.253**</td>
<td>0.458**</td>
<td>-0.071</td>
<td>0.967**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IF₂</td>
<td>0.023</td>
<td>0.551**</td>
<td>0.149**</td>
<td>-0.059*</td>
<td>0.967**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HSBCF₁</td>
<td>0.078</td>
<td>0.517**</td>
<td>0.332**</td>
<td>0.343**</td>
<td>0.971**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MARBCF₁</td>
<td>-0.064</td>
<td>0.573**</td>
<td>0.413**</td>
<td>0.345**</td>
<td>0.975**</td>
<td></td>
</tr>
</tbody>
</table>

*, ** indicate that the correlation is significant at 0.05 and 0.01 probability levels, respectively

FB: number of fruit branches per plant; BN: number of bolls per plant; BW: boll weight; LP: lint percentage; SY: seed cotton yield; LY: lint yield