**Figure S2**: Vertical lines represent QTL: green lines for QTL identified by both methods; red lines for QTL identified only by the proposed approach; blue lines for QTL in the published model only. The height gives the LOD scores from a single QTL analysis. Two parallel axes, cM axis and chr axis, are used for positioning a QTL. A QTL by QTL interaction is shown by connecting the two points representing the two QTL, one on the cM axis and one on the chr axis. Red (blue) lines show interactions from the proposed (published) model.