

Addition to Figure 4 in the manuscript

FISH of BAC containing sex-associated markers on LG3 (*CLCN5*, b04ti076CC06; *UNH115*, b03ti086AF05; *GM180*, b04ti056AD04; *GM271*, b04ti074AA04; *GM204*, b04ti071BH02). Biotin labeled (green) markers were hybridized along with DIG labeled (red) markers to metaphase spreads of *O. aureus*.

The sex-associated markers encompass the majority of the chromosome physical length (Picture A).

Markers in the interval between *GM180* and the telomere are physically distant from each other in comparison to the linkage map (Pictures B and C). Markers in the interval between *GM180* and *CLCN5* are physically close to each other, as expected from the linkage map (Pictures D and E).

