Figure S1. Crossing scheme of the F2 families PN1-33 and PN34. Half-sib family PN1-33 originated from 4 grandparents. One groups of F2 offspring were produced by crossing several F1 females from a cross in one direction with an F1 male from the cross in the oposit direction. The other group was produced in the same way but with F1 females and F1 male from the crosses of the opposite directions. Full-sib family PN34 originated from two grandparents. The F2 offspring were produced by crossing several F1 females with a full sib F1 male.