Figure S4 The *rad53-K227A* mutation impairs checkpoint activation after HO-induced DSB formation in both wild type and *mec1-ad* cells. YEPR G1-arrested cell cultures of strains with the indicated genotypes were plated on galactose-containing plates (time zero). At the indicated time points, 200 cells for each strain were analyzed to determine the frequency of large budded cells and of cells forming microcolonies of more than 2 cells.