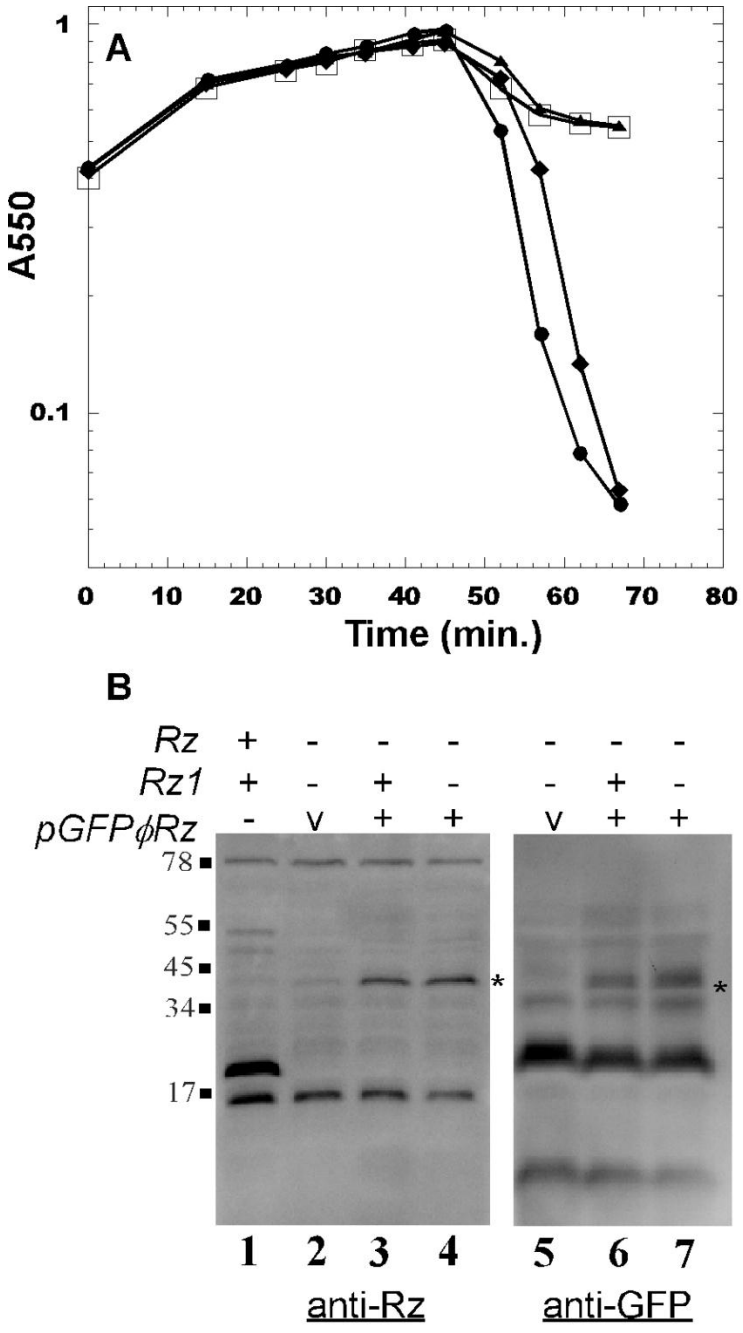

Fig S1

Expression of GFPϕRz complements the λRz_{am} lysis defect.

(A) Cultures were grown in LB supplemented with 10 mM Mg^{++}. Prophages were thermally induced at time 0. When necessary the plasmid p*GFPϕRz* or the vector only were induced at the time coinciding with prophage induction. The A550 of each culture was recorded until 65 minutes post-induction. The following lysogenic strains of MC4100 were induced: λ (circles); λRz_{am} vector (squares); λRz_{am} p*GFPϕRz* (diamonds); and λ$Rz_{am}Rz1_{am}$ p*GFPϕRz* (triangles).

(B) The indicated MC4100 lysogens were assessed for GFPϕRz and/or Rz accumulation and compared to the normal level of Rz accumulation. Total cell protein was collected 60 minutes post-induction, resolved by SDS-PAGE, and probed by western blot using the antibody indicated below each blot. The *Rz* and *Rz1* genotype for each sample is indicated above each lane. A plus sign indicates expression of the wt allele while a minus sign indicates the expression of a non-functional amber allele. The co-induction of the pGFPϕRz plasmid is also indicted above each lane by a plus (induced) and its absence by a minus symbol. The letter v indicates co-induction of the vector only. Samples are ordered based on the following lane assignments: 1, λS_{am7}; 2 and 5, $\lambda S_{am7} Rz_{am} Rz1_{am}$ vector; 3 and 6, $\lambda S_{am7} Rz_{am}$ p*GFPϕRz*; 4 and 7, $\lambda S_{am7} Rz_{am} Rz1_{am}$ with p*GFPϕRz*. The corresponding MW standard for both blots is indicated to the left of the first blot. Asterisks mark the position of GFPϕRz on each blot respectively. Note the predicted molecular weight of GFPϕRz is 43,955.