



Supplementary information Figure 2. Phosphoimager (Fuji FLA 5000) analysis of the effect of manganese in the time-dependent accumulation of replication elongation products. Reactions containing 60 $\mu\text{g/ml}$ $s\Delta_{+13}$ ssRNA template, 5 mM MgCl_2 and increasing concentrations of MnCl_2 (1 mM to 10 mM) were initiated by adding WT (A) or E491Q (B) polymerase and 10 μl aliquots were taken at different time points. Graphs are normalized so that the highest observed value within each panel is set to 1 (A and B). (C) and (D) data from (A) and (B) normalized to the highest value within each plot.