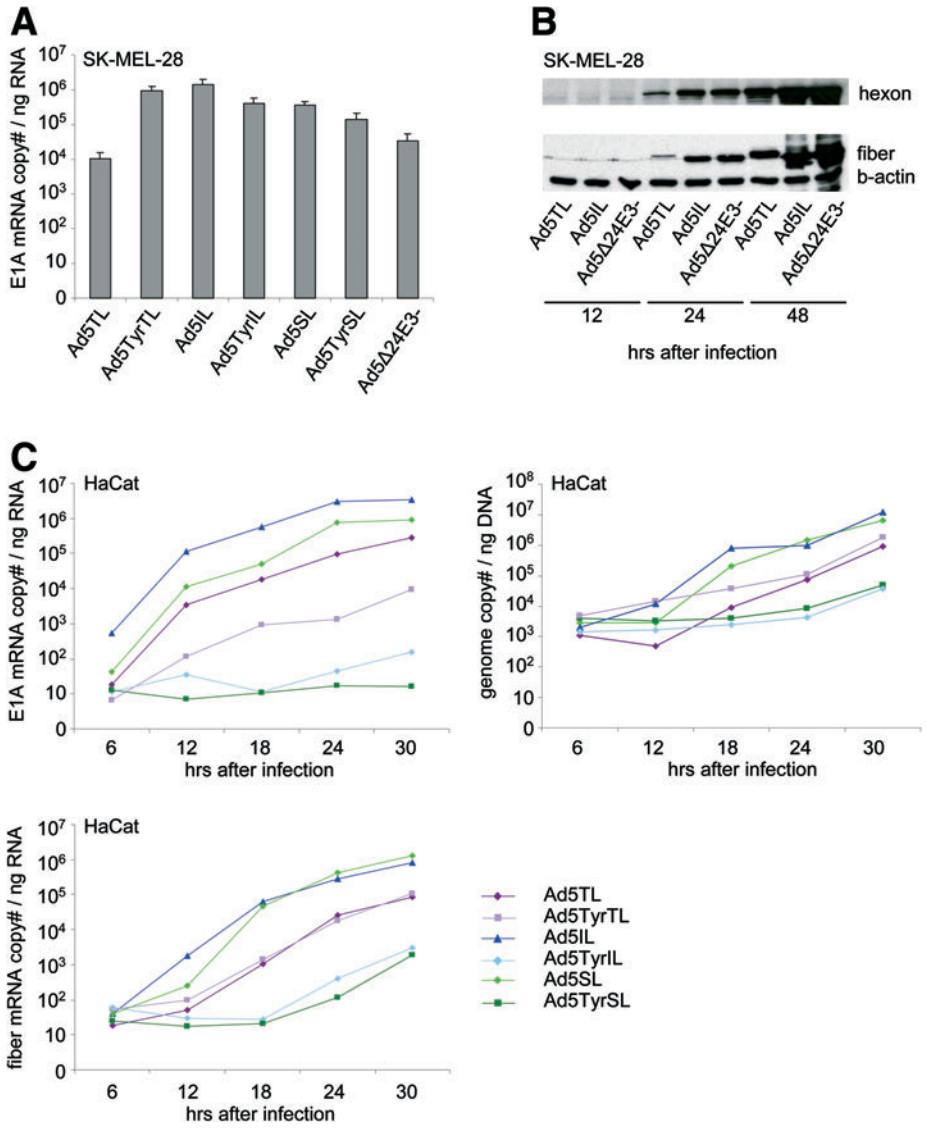
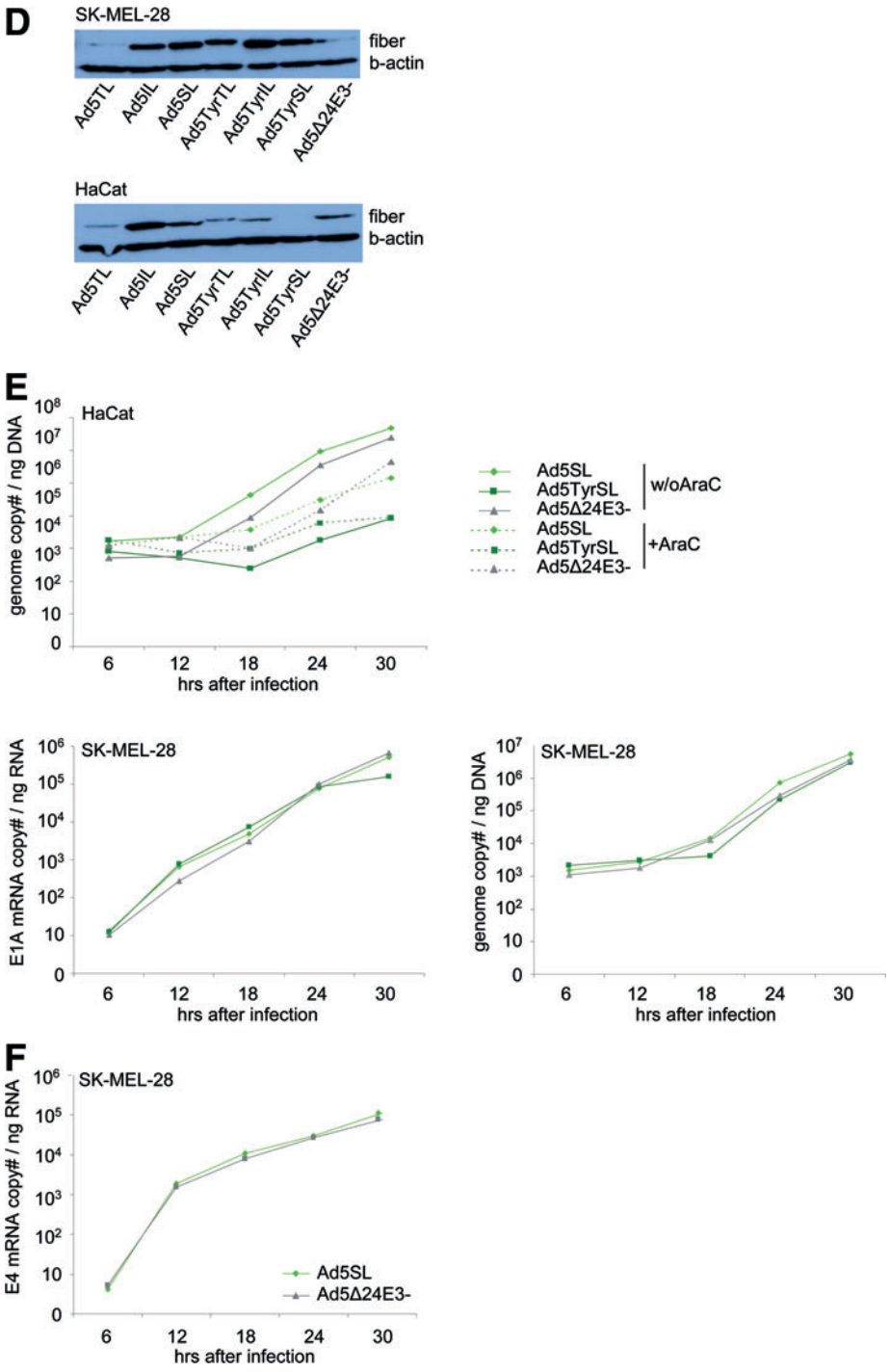


SUPPLEMENTARY FIG. S1. Viral gene expression and genome replication by transcriptionally targeted oncolytic adenoviruses with luciferase reporter gene inserted into the late transcription unit. (**A**) SK-MEL-28 cells were infected with IL, SL, TL or Ad5Δ24E3$^-$ adenoviruses at 10TCID$_{50}$/cell. Cells were harvested one day post-infection and E1A mRNA copy numbers were quantified by qPCR. (**B**) SK-MEL-28 cells were infected with adenoviruses at 100TCID$_{50}$/cell. Fiber and hexon expression was detected by Immunoblot at indicated time points post-infection. β-actin was detected as loading control. After western transfer, the membrane was used for detection of hexon protein, then stripped and subsequently used for detection of fiber and β-actin. (**C**) HaCat cells were infected with IL, SL, or TL adenoviruses at 10TCID$_{50}$/cell. Cells were harvested at indicated time points post-infection. E1A mRNA, fiber mRNA and genome copy numbers were quantified by qPCR. **(D)** SK-MEL-28 or HaCat cells were infected with IL, SL, TL or Ad5Δ24E3$^-$ adenoviruses at 100TCID$_{50}$/cell. Fiber expression was detected by Immunoblot one day post-infection. β-actin was detected as loading control. (**E**) HaCat or SK-MEL-28 cells were infected with SL or Ad5Δ24E3$^-$ adenoviruses at 10TCID$_{50}$/cell, when indicated in the presence of AraC. Cells were harvested at indicated time points post-infection. E1A mRNA (SK-MEL-28 only) and genome copy numbers were quantified by qPCR. (**F**) SK-MEL-28 cells were infected with Ad5SL or Ad5Δ24E3$^-$ at 10TCID$_{50}$/cell. Cells were harvested at indicated time points post-infection and E4 mRNA copy numbers were quantified by qPCR.



SUPPLEMENTARY FIG. S1. (Continued).