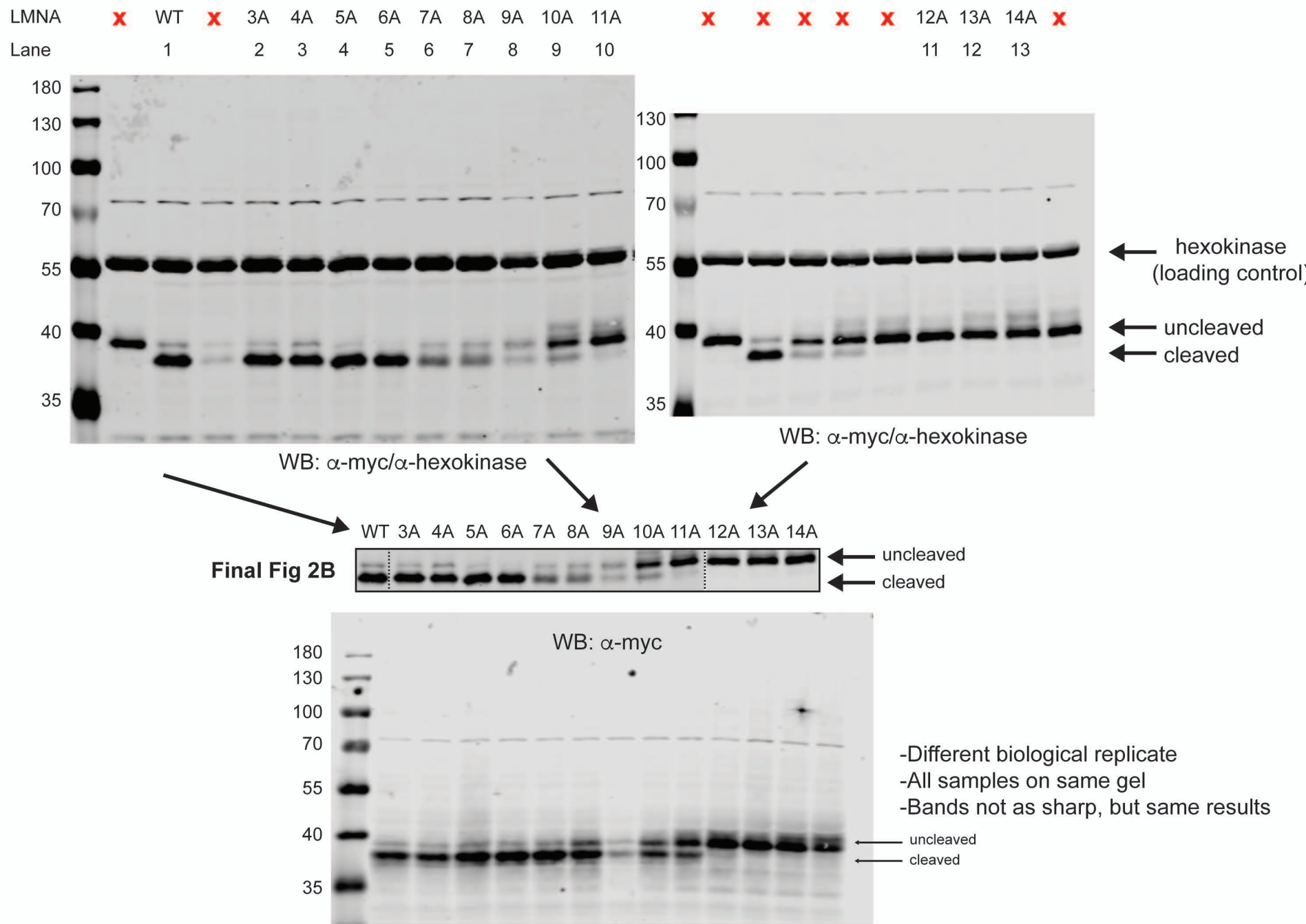


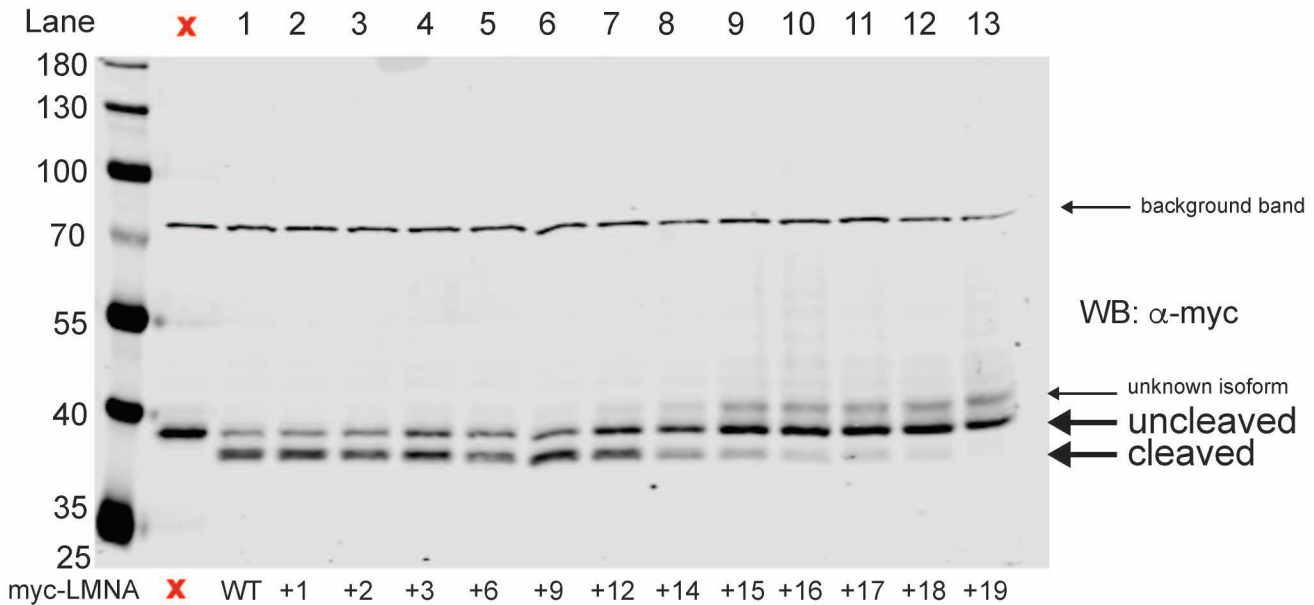
Fig. 2B



- SDS detergent lysates from strain SM6303 (*ste24Δ HA-ZMPSTE24*) transformed with myc-prelamin A plasmids were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc monoclonal antibody and rabbit anti-hexokinase polyclonal antibody (described in M&Ms). Proteins were detected using Licor secondary antibodies and visualized using the Odyssey imaging platform (Licor). Some LMNA mutants show lower steady-state levels (lanes 6-8). This has also been observed for other LMNA mutants.

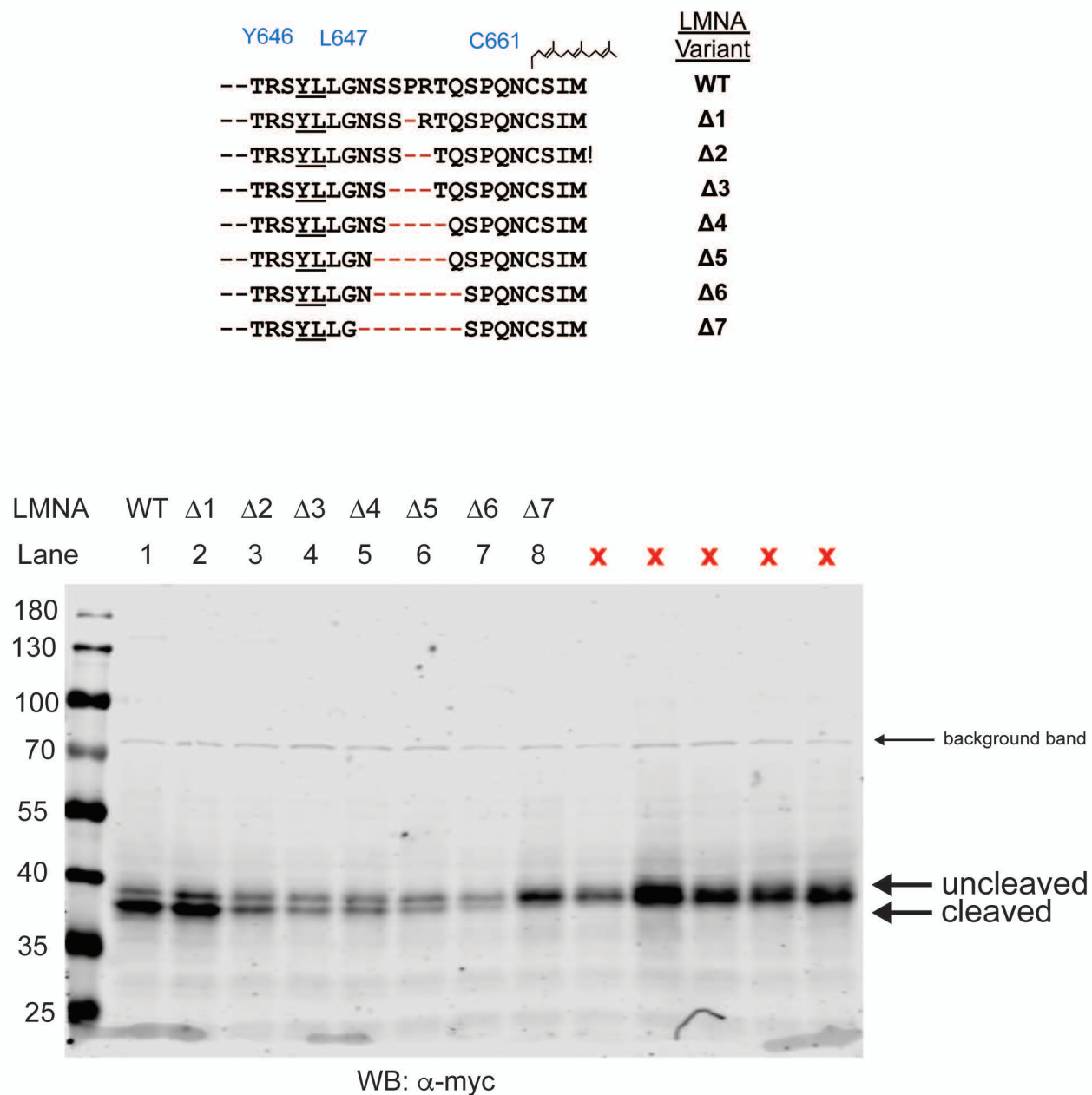
Fig. 3B

A



- SDS detergent lysates from strain SM6303 (*ste24Δ HA-ZMPSTE24*) transformed with myc-prelamin A plasmids were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc monoclonal antibody and anti-hexokinase polyclonal antibody (described in M&Ms). Proteins were detected using Licor anti-mouse and anti-rabbit secondary antibodies and visualized using the Odyssey imaging platform (Licor). The longer alanine extensions (+14-+19) show a slower migrating species of unknown origin.

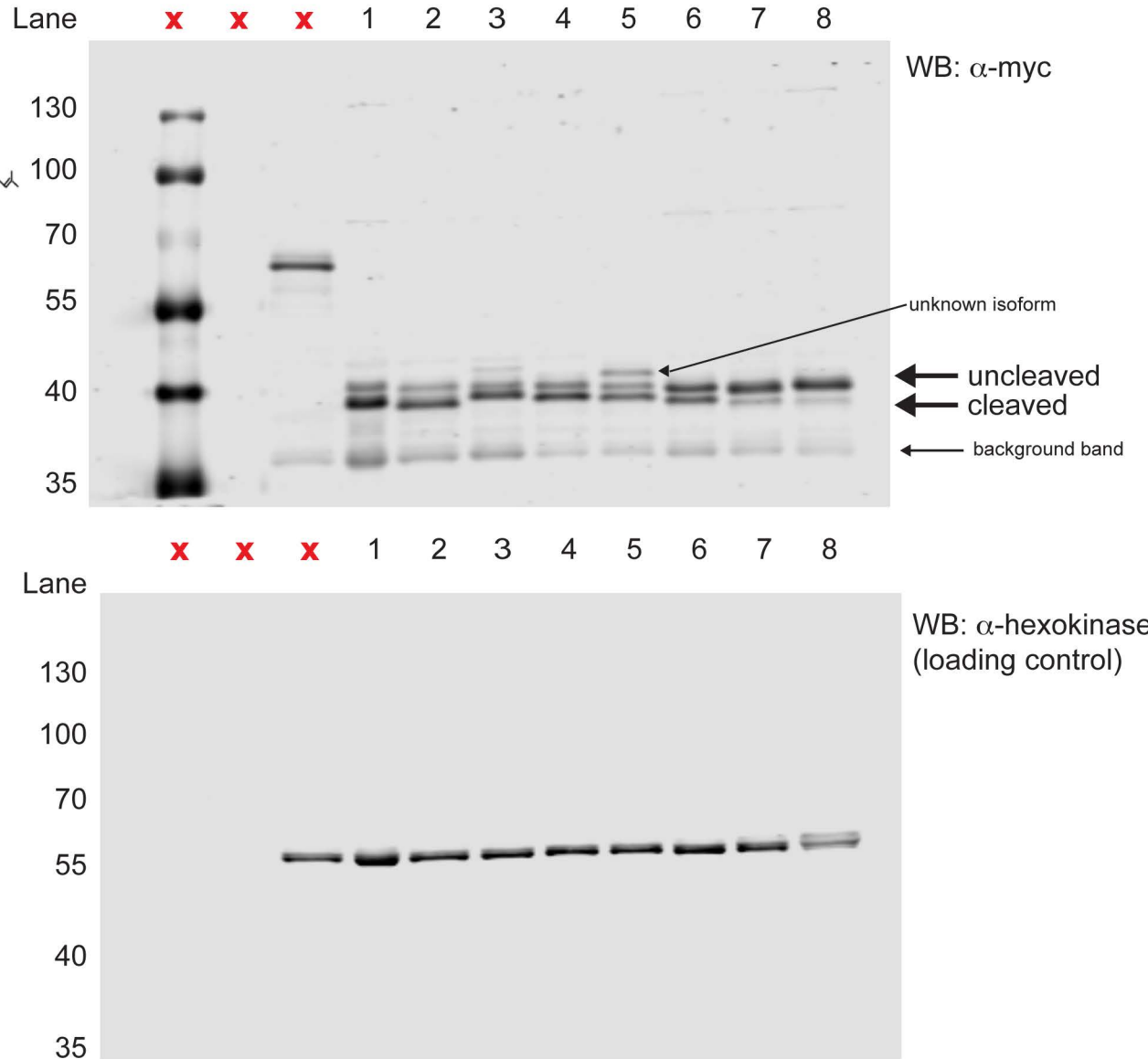
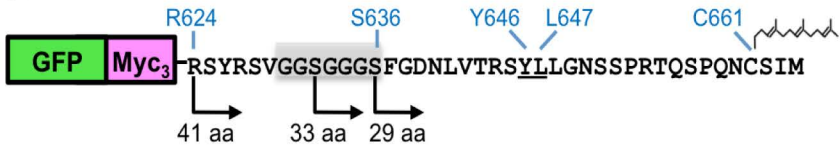
Fig. 4B



- SDS detergent lysates from strain SM6303 (*ste24Δ HA-ZMPSTE24*) transformed with myc-prelamin A plasmids were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc monoclonal antibody (described in M&Ms). Proteins were detected using Licor anti-mouse secondary antibodies and visualized using the Odyssey imaging platform (Licor). Some LMNA mutants show lower steady-state levels (lanes 3-7). This has also been observed in Figure 6B.

Fig. 5B

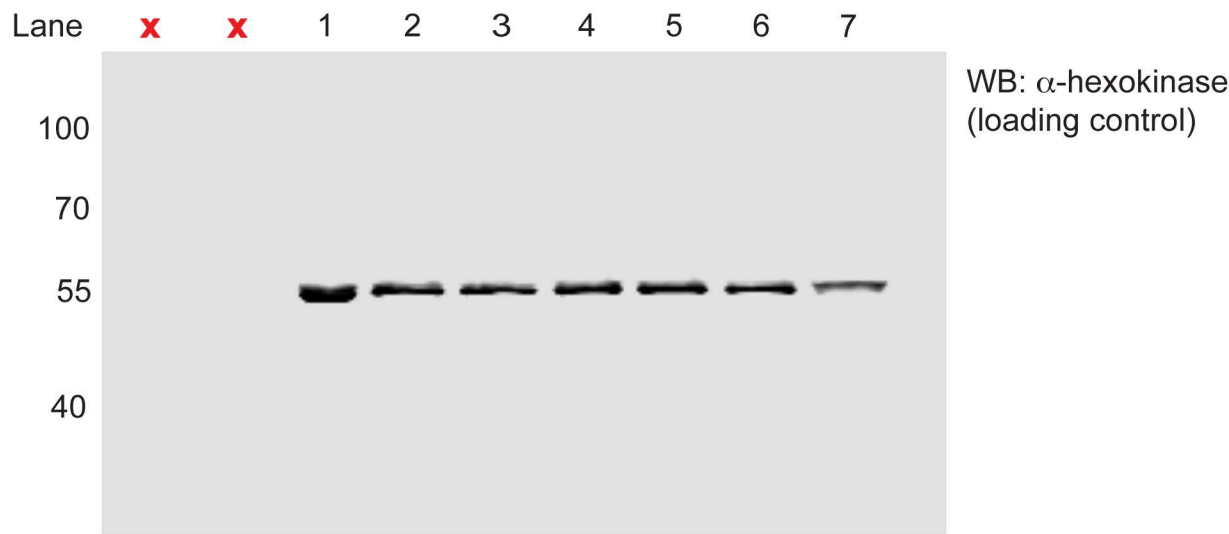
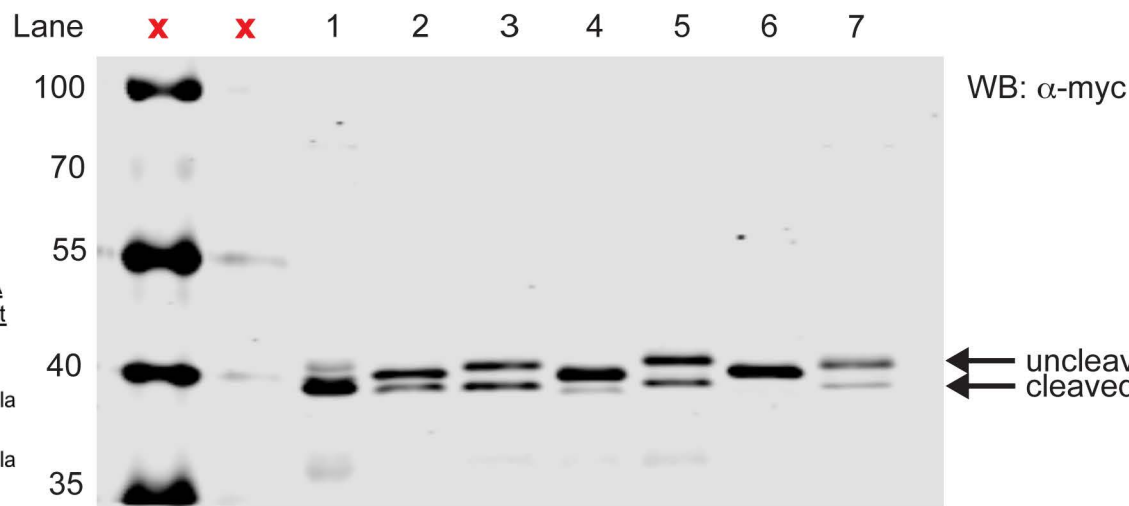
A



- SDS detergent lysates from strain SM6303 (*ste24Δ HA-ZMPSTE24*) transformed with myc-prelamin A plasmids were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc monoclonal antibody and anti-hexokinase polyclonal antibody (described in M&Ms). Proteins were detected using Licor anti-mouse and anti-rabbit secondary antibodies and visualized using the Odyssey imaging platform (Licor). The longer alanine extensions (+14-+19) show a slower migrating species of unknown origin.

Fig. 5D

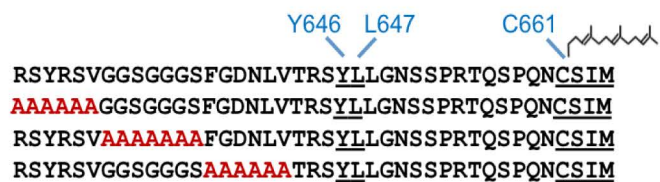
C



- SDS detergent lysates from strain SM6303 (*ste24 Δ HA-ZMPSTE24*) transformed with myc-prelamin A plasmids were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc monoclonal antibody and anti-hexokinase polyclonal antibody (described in M&Ms). Proteins were detected using Licor anti-mouse and anti-rabbit secondary antibodies and visualized using the Odyssey imaging platform (Licor). The longer alanine extensions (+14-+19) show a slower migrating species of unknown origin.

Fig. 6B

A



LMNA
 Variant
 WT
 624-629
 630-636
 637-642

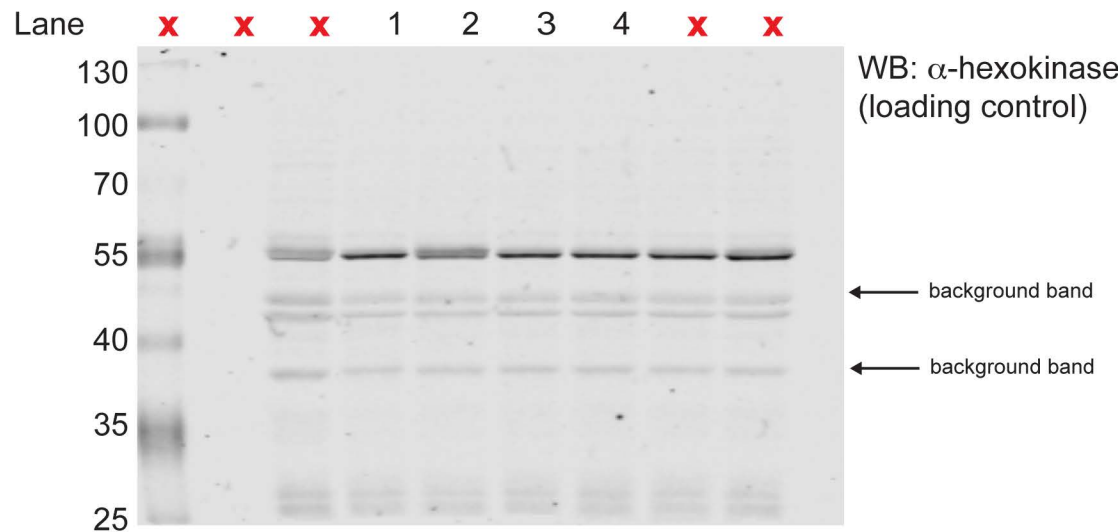
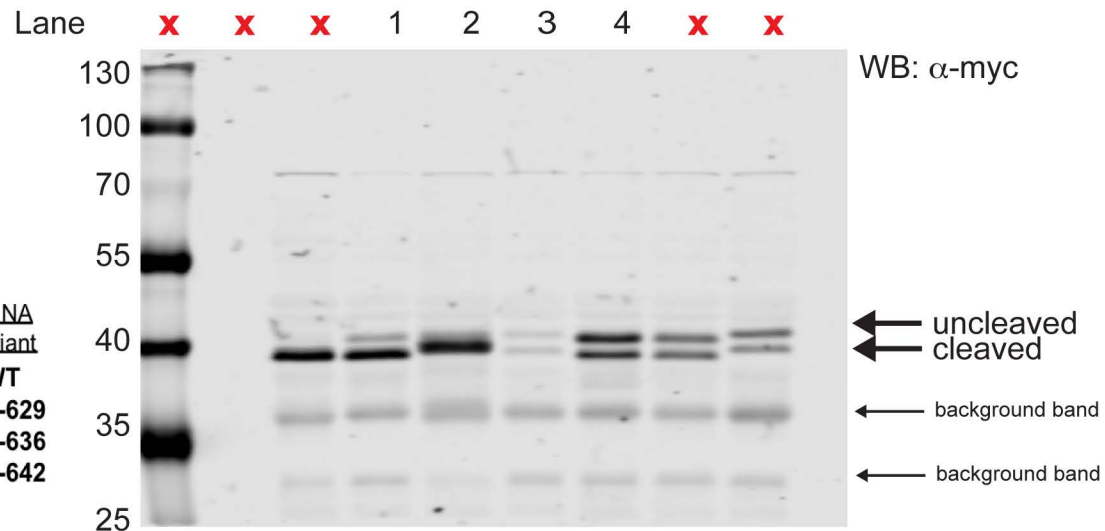
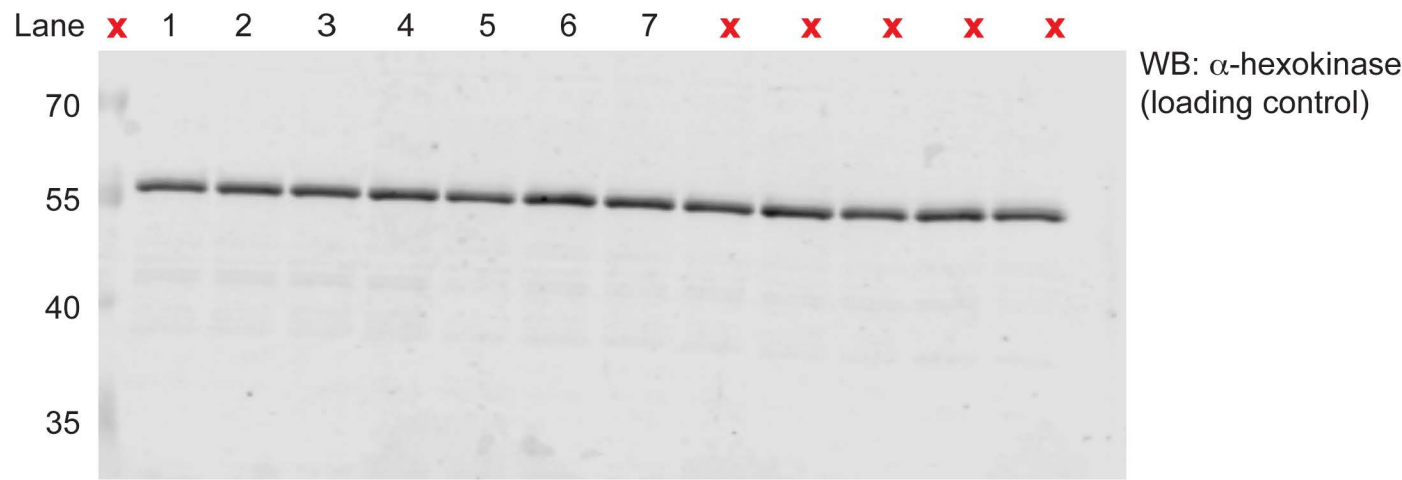
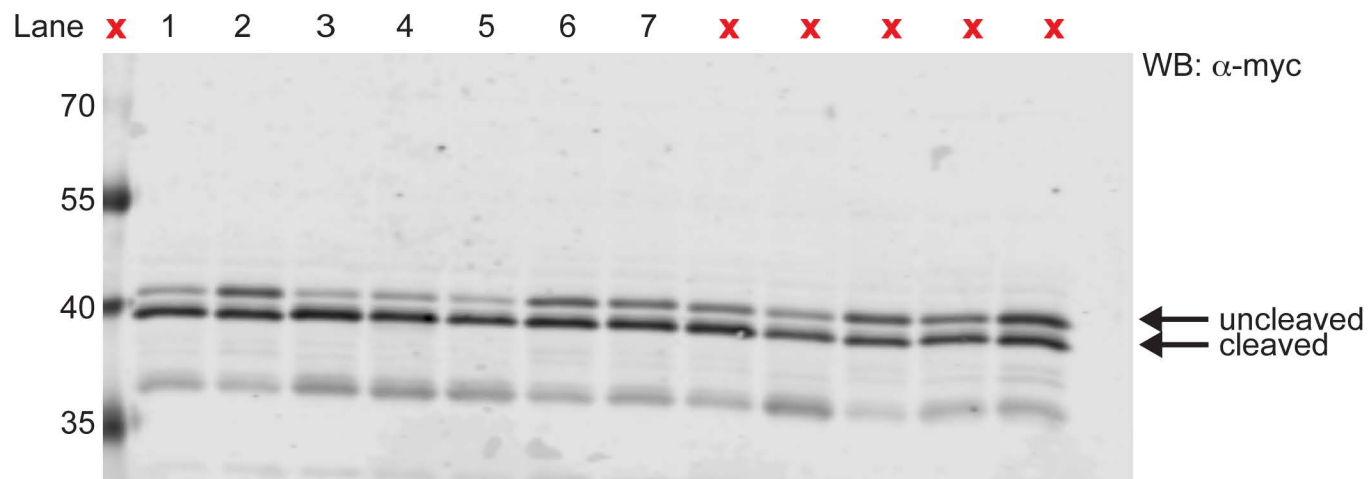
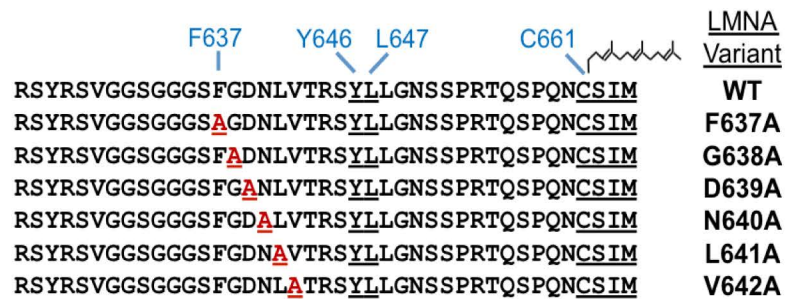
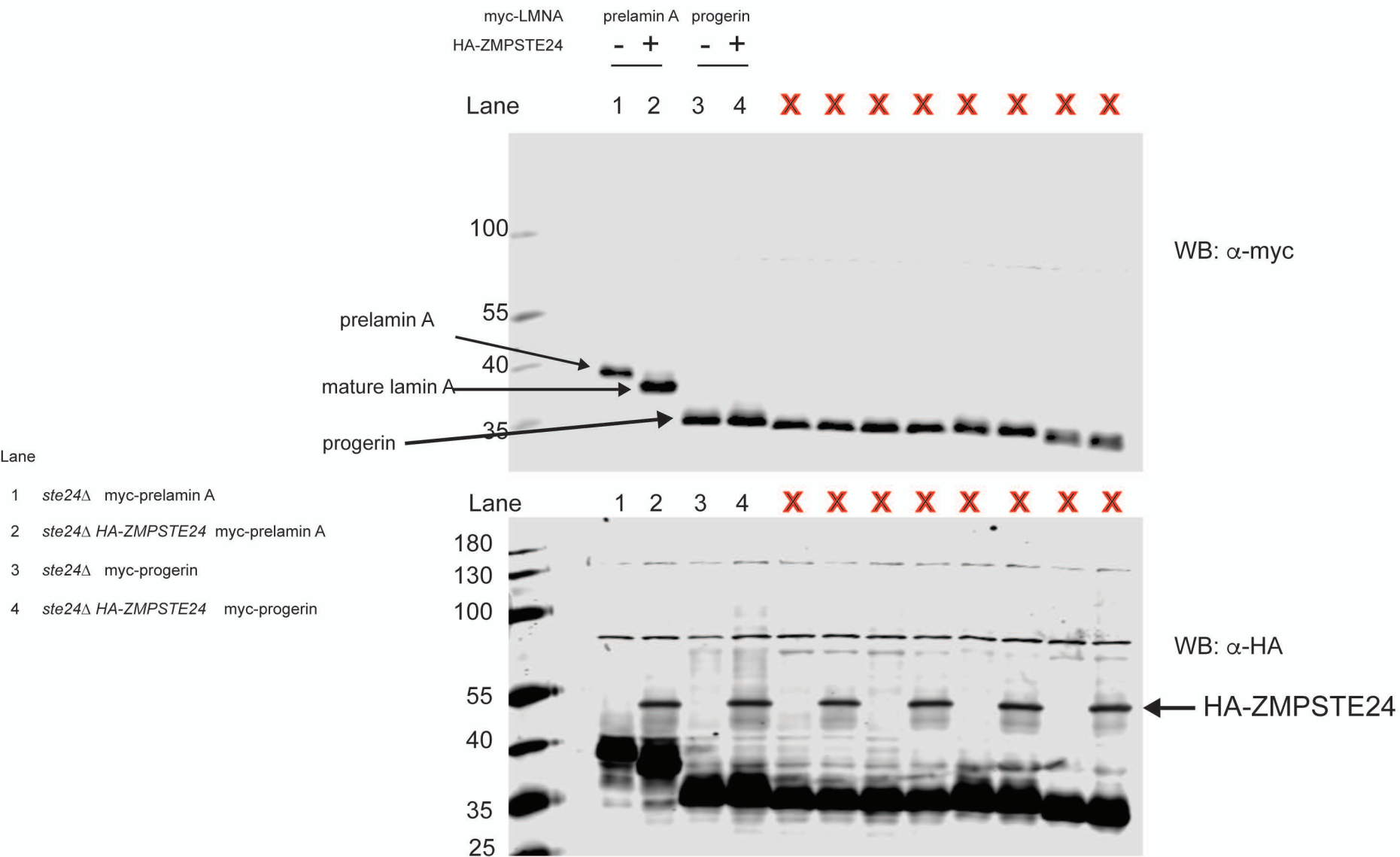


Fig. 6D

C



Supplemental Fig.S1



- SDS detergent lysates from strains SM4826 (*ste24* Δ) and SM6303 (*ste24* Δ HA-ZMPSTE24) transformed with myc-prelamin A (pSM3371) or myc-progerin (pSM3638) were resolved by 10% SDS-PAGE, transferred to nitrocellulose (Biorad TransBlot Turbo), and proteins were detected using anti-myc and anti-HA monoclonal antibodies (described in M&Ms). The myc blot was first developed using Licor anti-mouse secondary antibodies and visualized using the Odyssey imaging platform (Licor). After the myc blot was scanned, anti-HA rat monoclonal antibodies were used to detect HA-ZMPSTE24 (arrow).