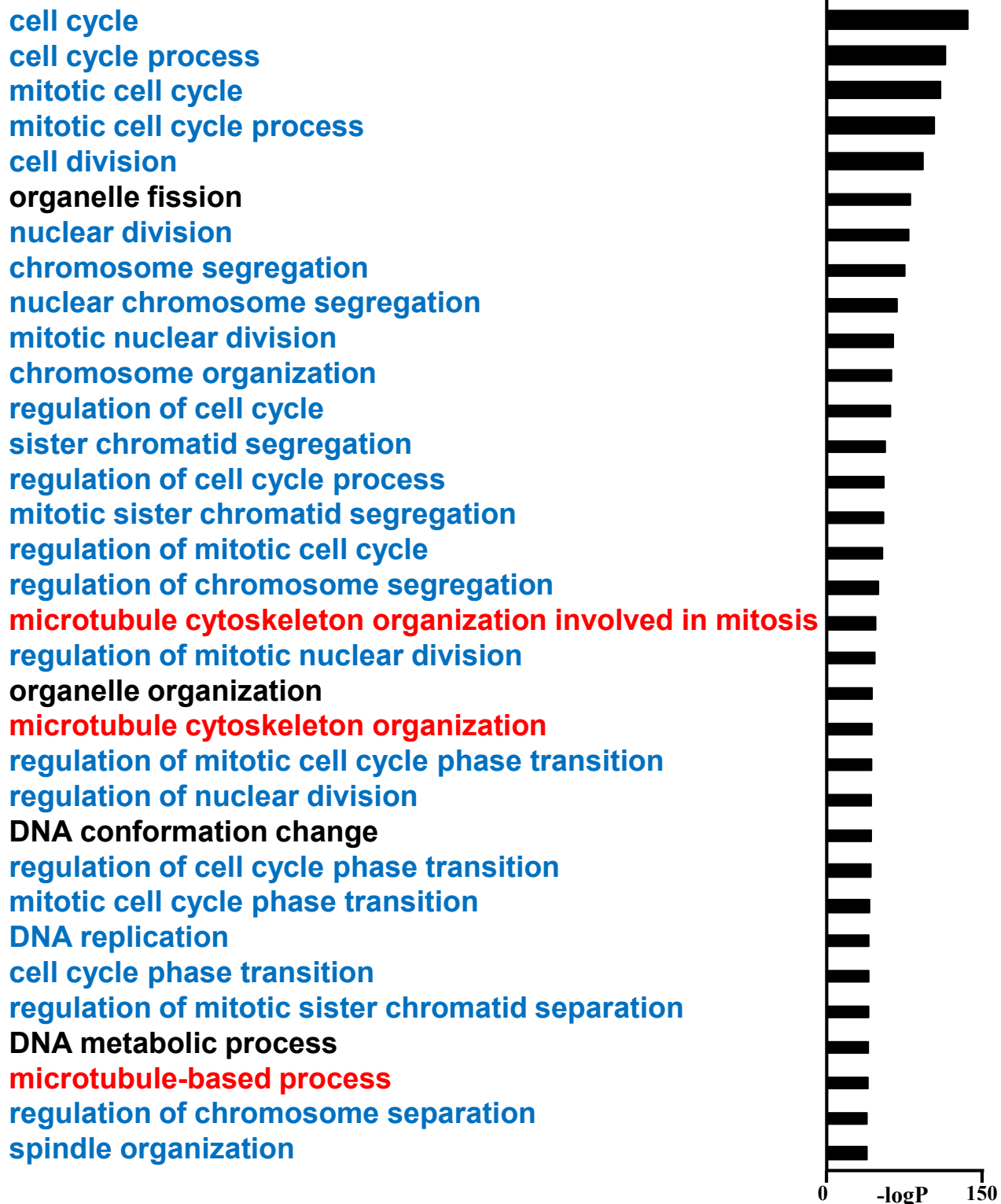
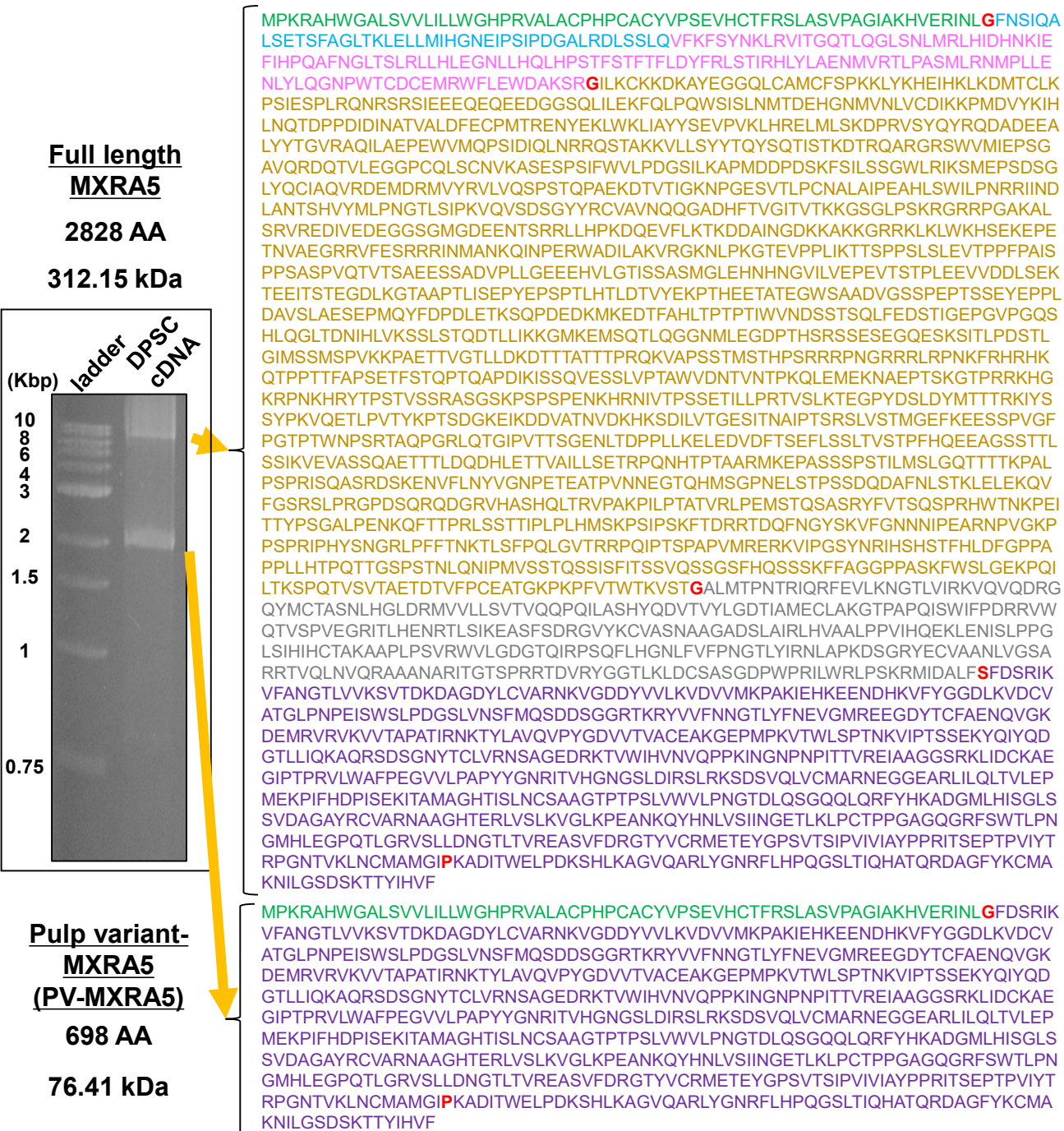
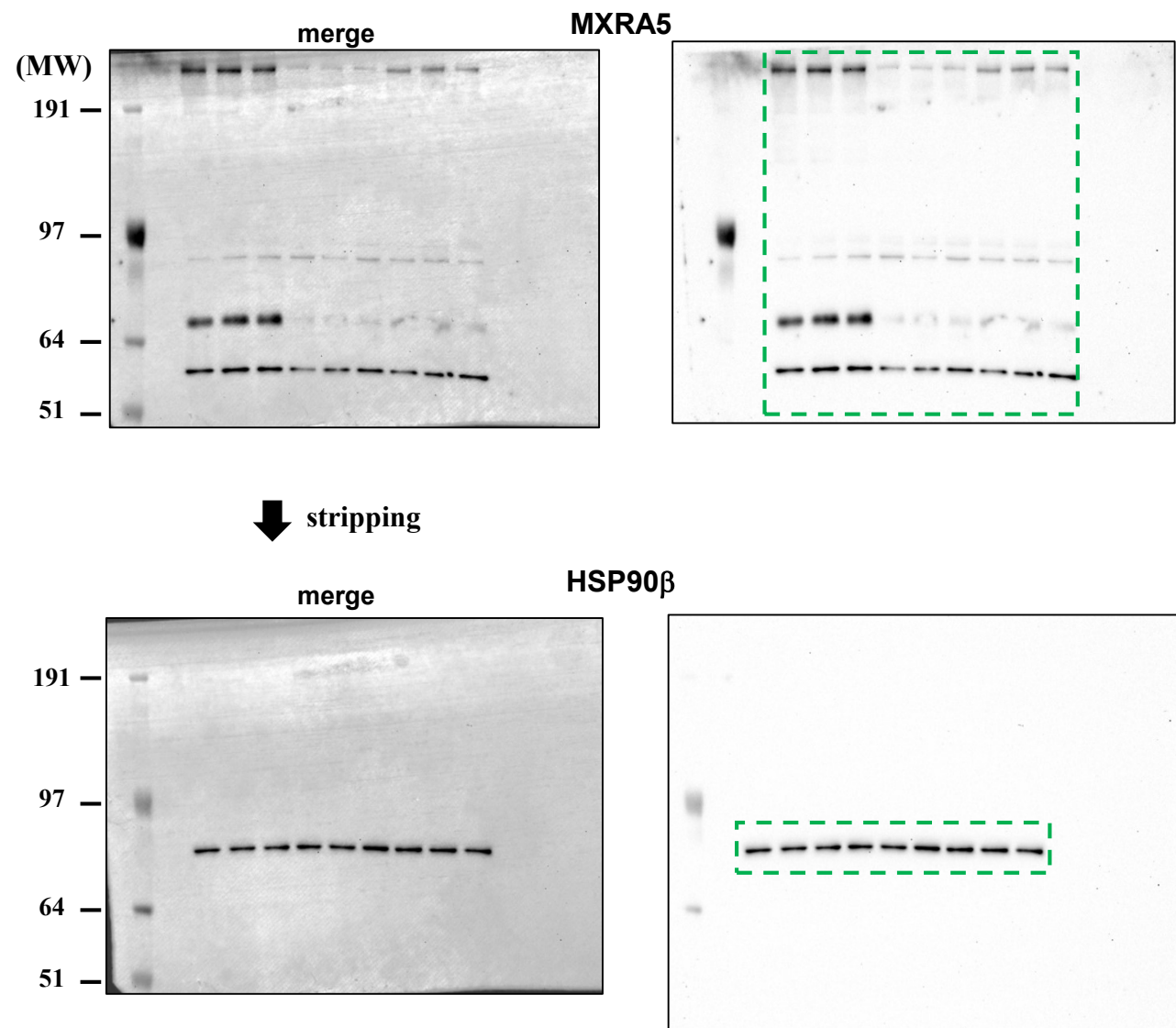




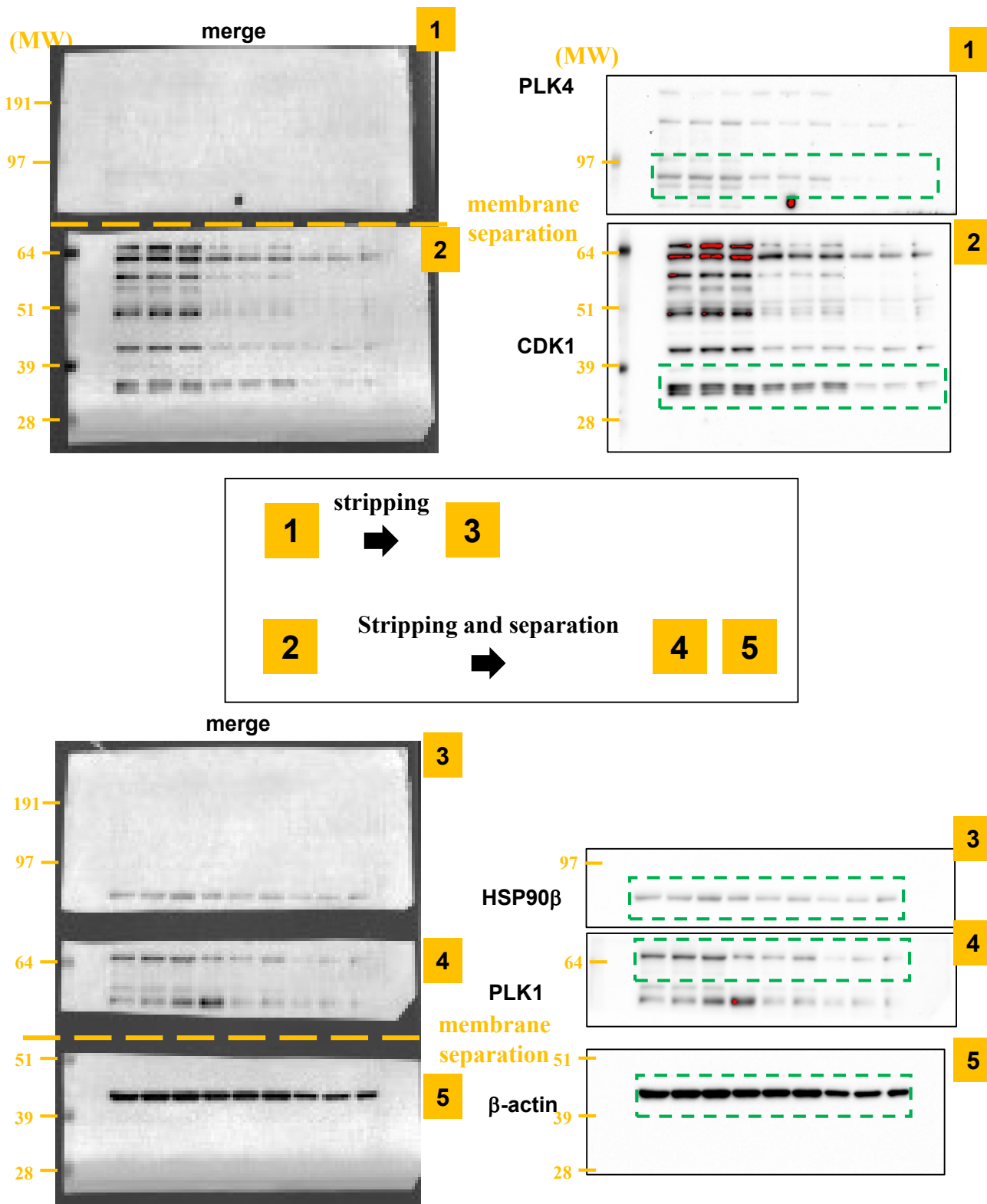
Supplemental Figure 1. Top-ranked terms enriched as common si-MXR45-down-regulated genes



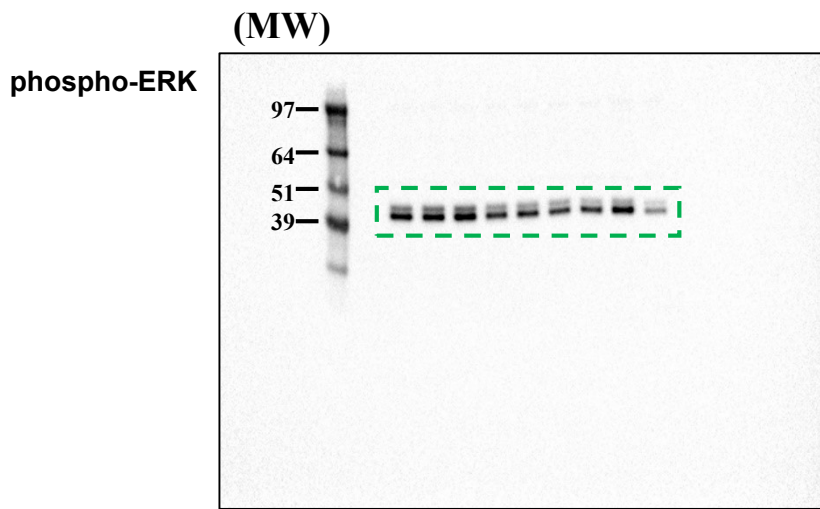
**Supplemental Figure 2. Amino acid sequence of full-length MXRA5 and novel pulp splicing variant of MXRA5** Identification of two isoforms of *MXRA5* in DPSCs by qPCR expanding from the 2<sup>nd</sup> exon, including the start codon, to the last exon, including the stop codon (A). The amino acid sequences colored in green are derived from exon 2 of full-length MXRA5 (MXRA5) and exon 2 of novel pulp splicing variant of MXRA5 (PV-MXRA5), and they are identical. The amino acid sequences colored in light blue, pink, brown, and gray are derived from exons 3, 4, 5, and 6 of MXRA5. Amino acid sequences colored in purple are derived from exon 7 of MXRA5 and exon 2 of PV-MXRA5, and they are identical. Amino acids in the exon boundary are colored red. AA = amino acids.



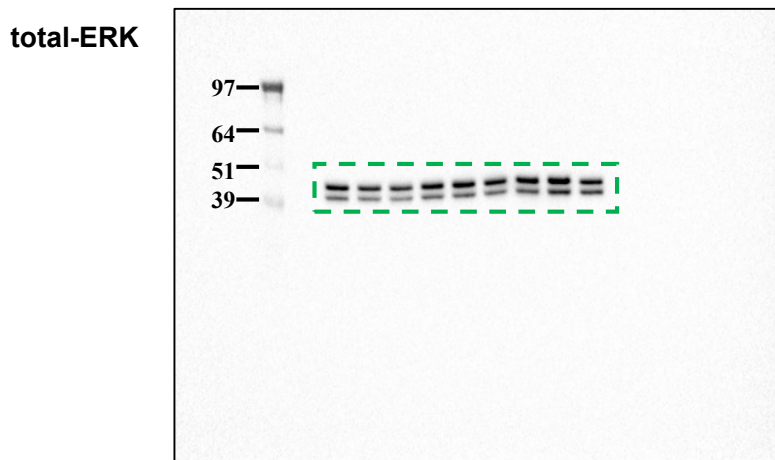
Supplemental Figure 3. Uncropped images of Figure 3B



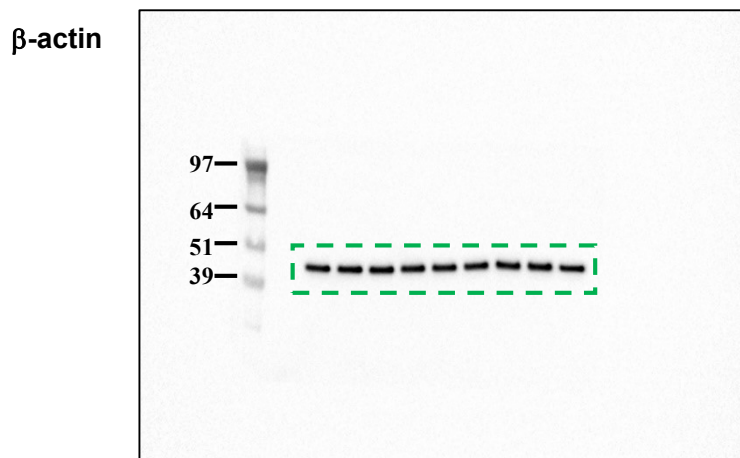
Supplemental Figure 4. Uncropped images of Figure 4C



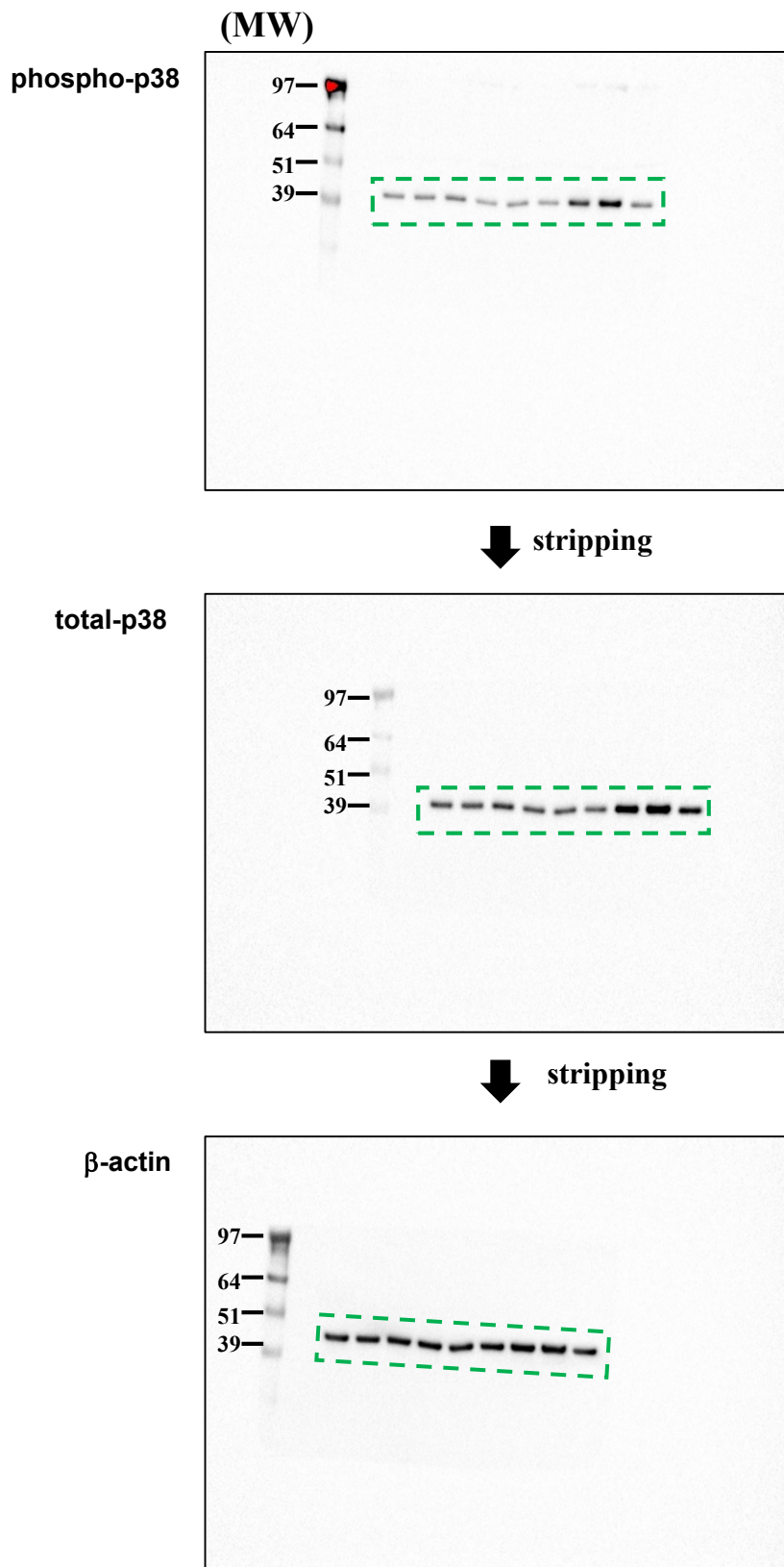
↓ stripping



↓ stripping

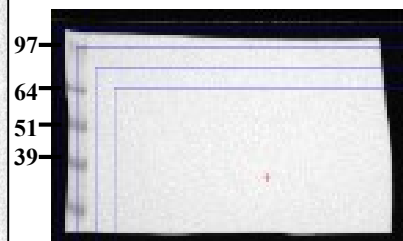
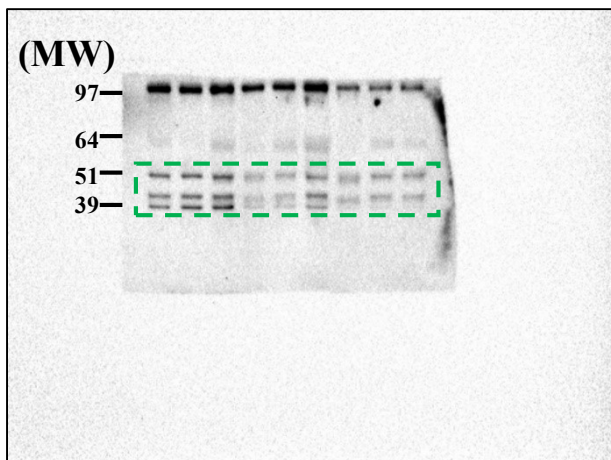


Supplemental Figure 5. Uncropped images of Figure 4D



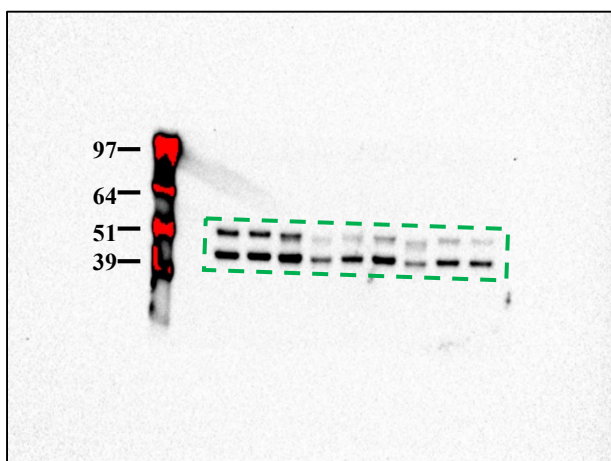
Supplemental Figure 6. Uncropped images of Figure 4D

phospho-JNK



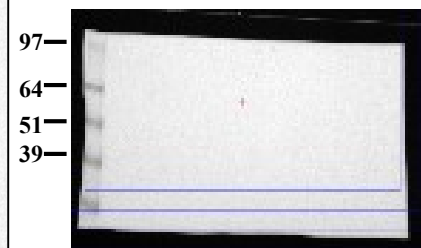
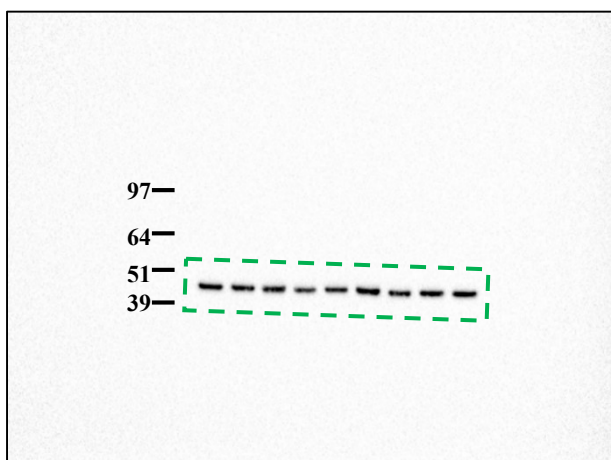
↓ stripping

total-JNK

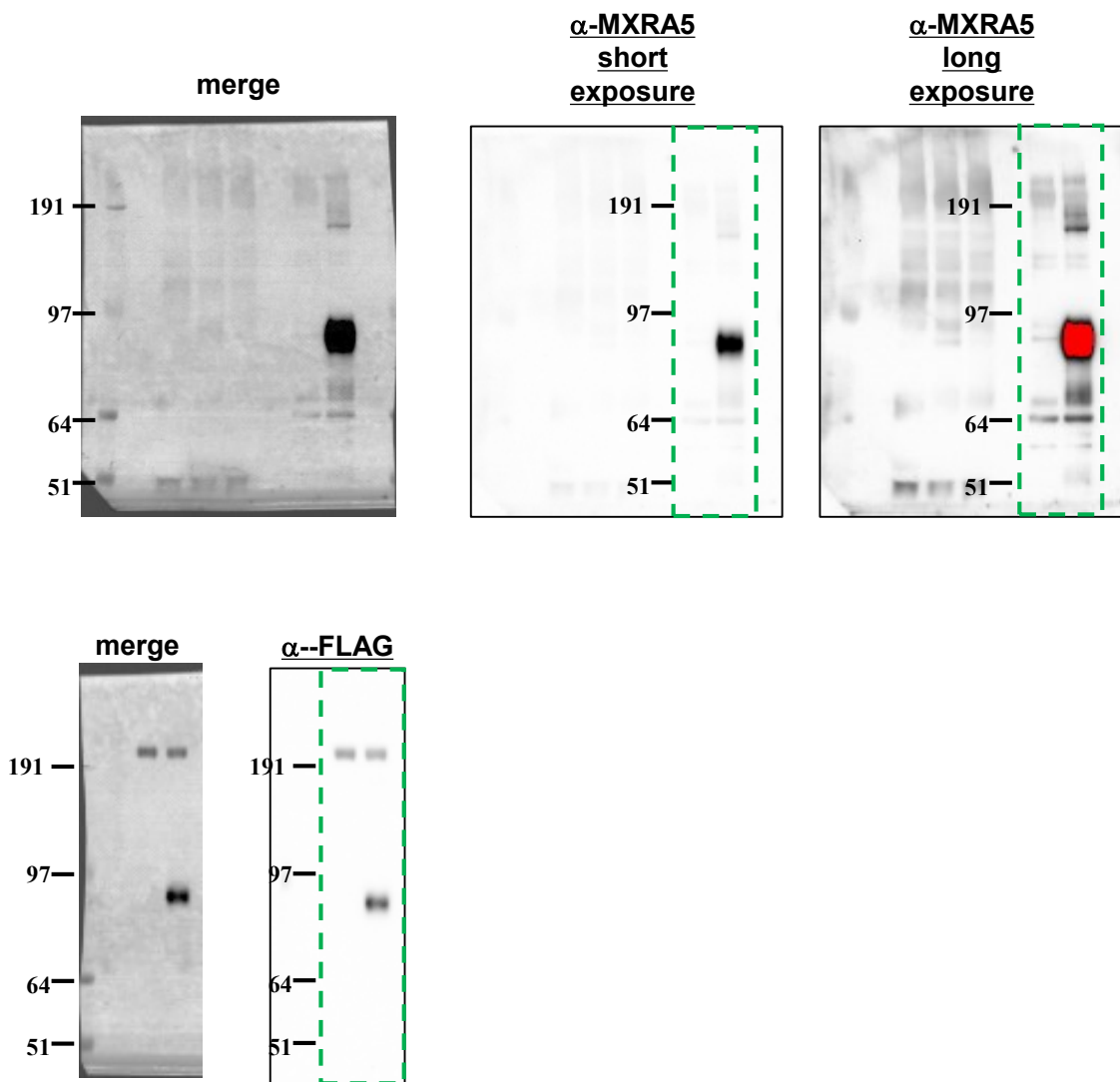


↓ stripping

$\beta$ -actin



Supplemental Figure 7. Uncropped images of Figure 4D



Supplemental Figure 8. Uncropped images of Figure 5B