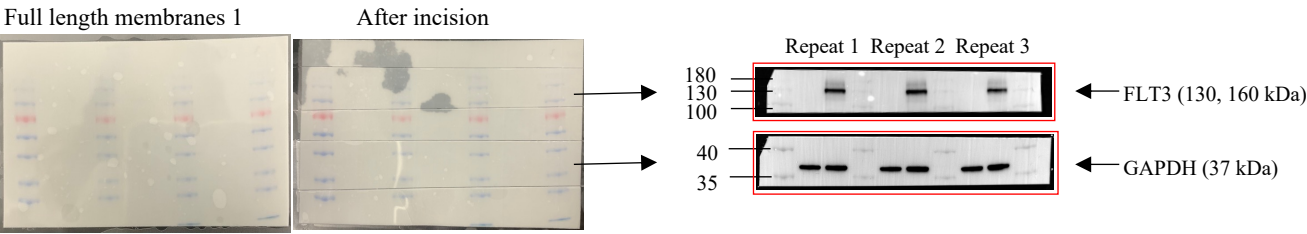


**Western blotting source data**

Due to instrument reasons, the brightfield images of a few bands failed to be saved, or some markers could not be observed. Therefore, we provided images before and after film cutting to prove that the target bands and the internal reference were indeed from a single membrane. (The sample volume was 25  $\mu$ g of protein per lane, n = 3).

**Fig. 1. Decursin preferentially inhibits proliferation in FLT3-ITD-positive AML cells.**

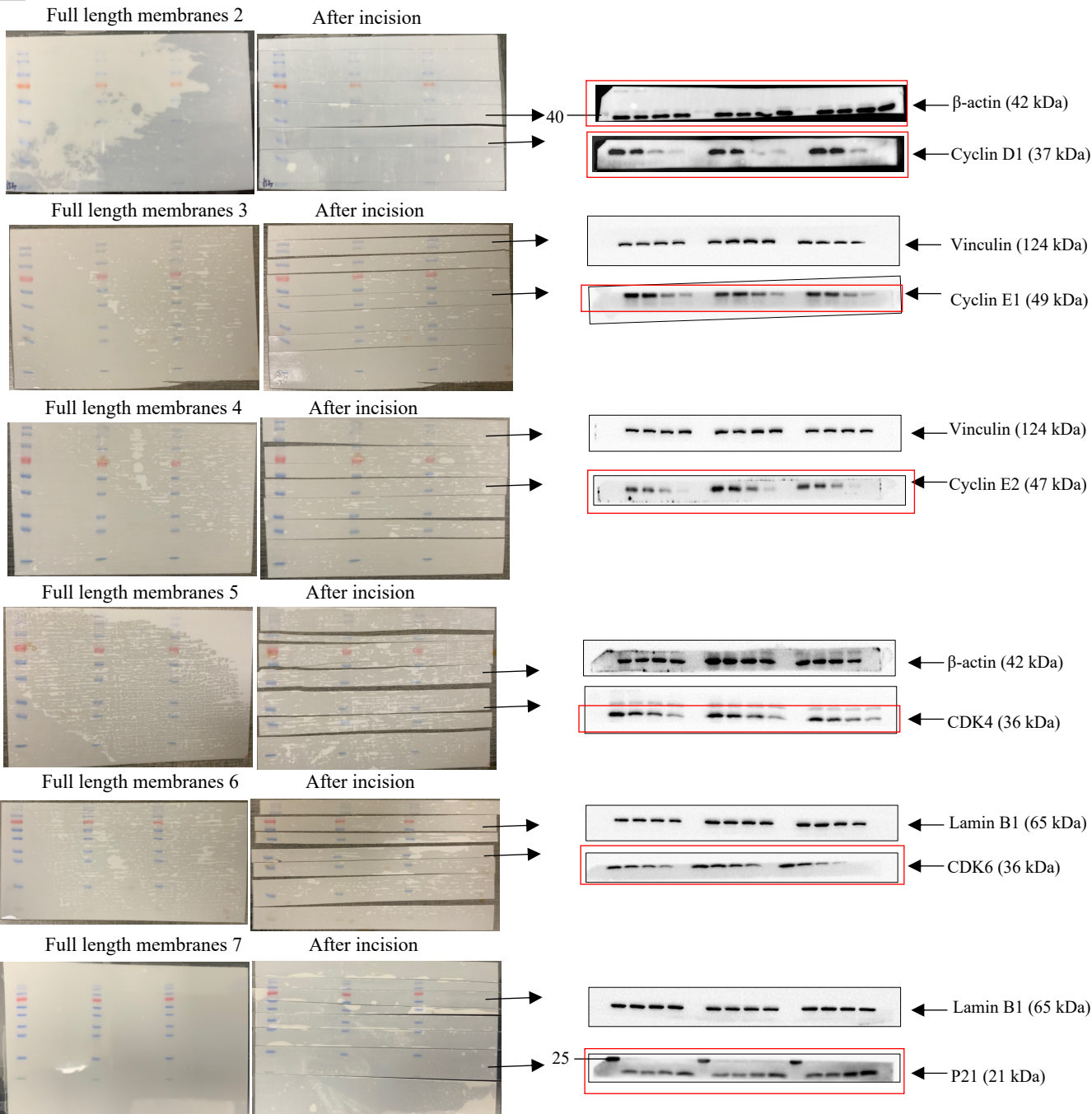
**(FLT3)**



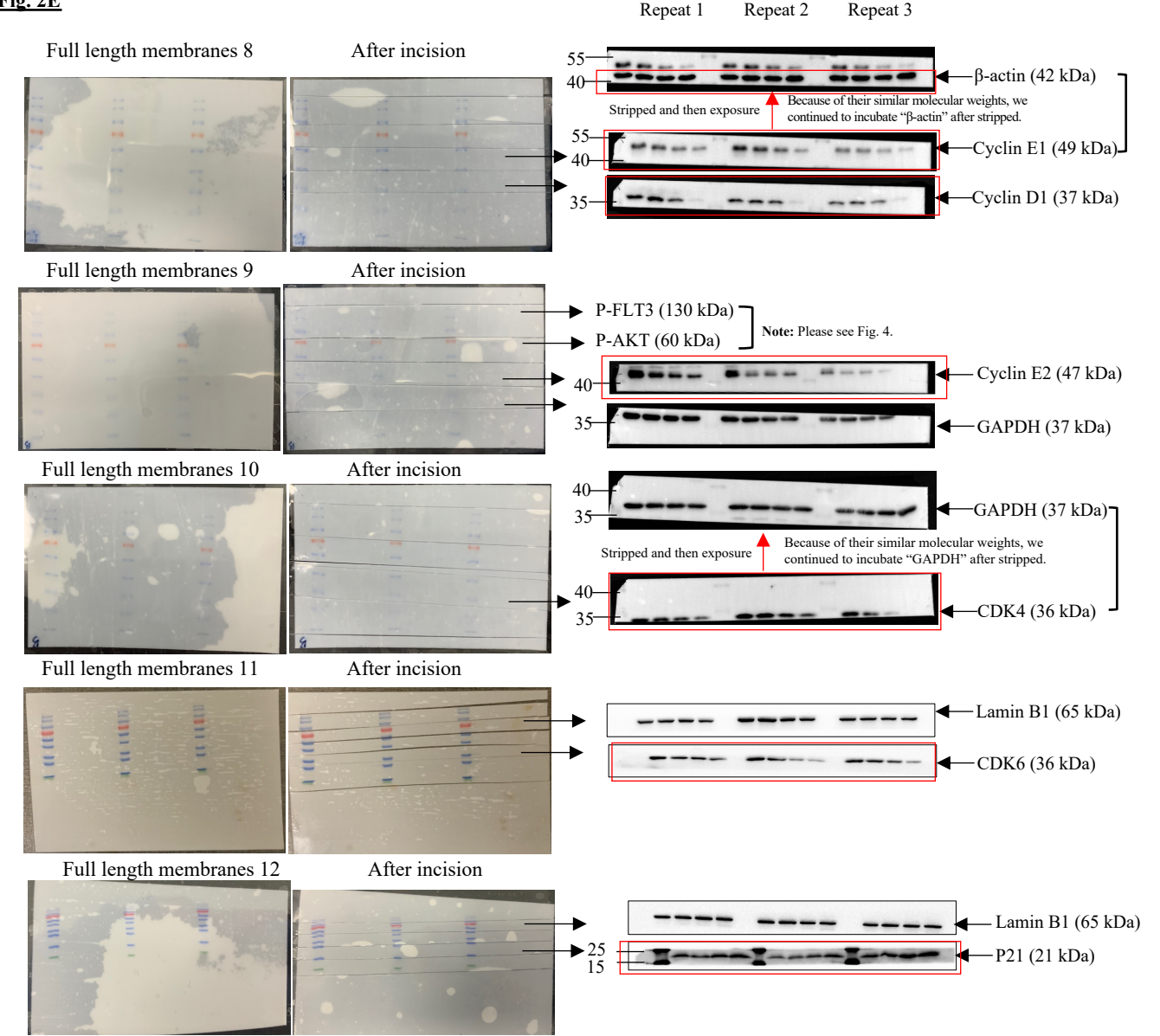
**Fig. 2. Decursin induces cell cycle arrest in FLT3-ITD-positive AML cells.**

**(Cyclin D1, Cyclin E1, Cyclin E2, CDK4, CDK6, and P21 )**

**Fig. 2D**

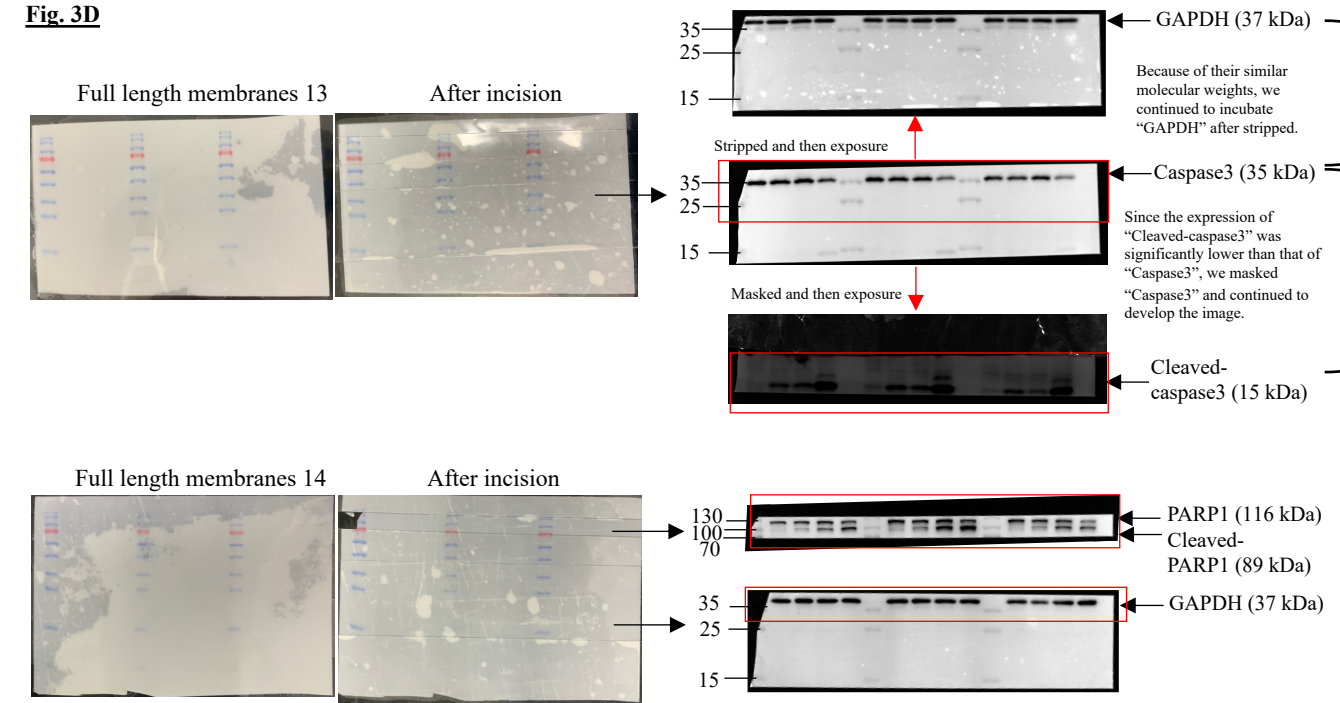


**Fig. 2E**

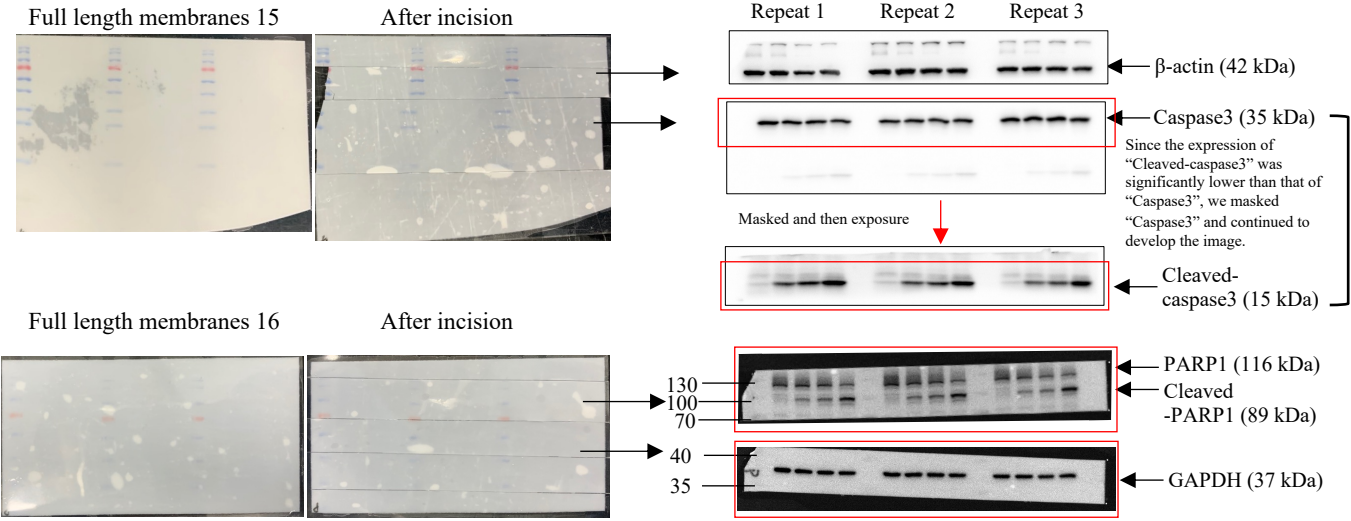


**Fig. 3. Decursin promotes apoptosis in FLT3-ITD-positive AML cells.**  
(Caspase3, Cleaved-caspase3, PARP1, and Cleaved-PARP1)

**Fig. 3D**

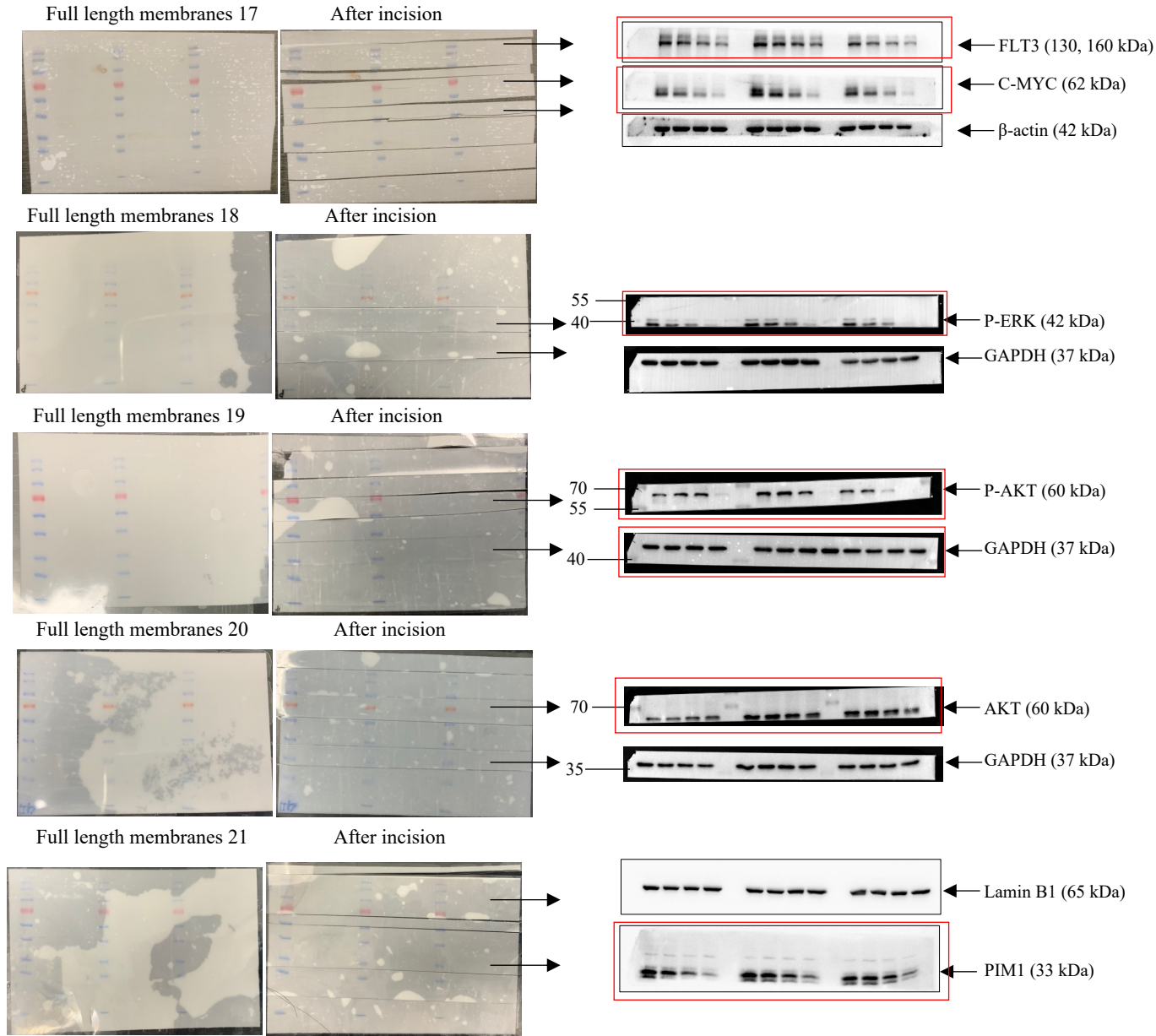


**Fig. 3E**

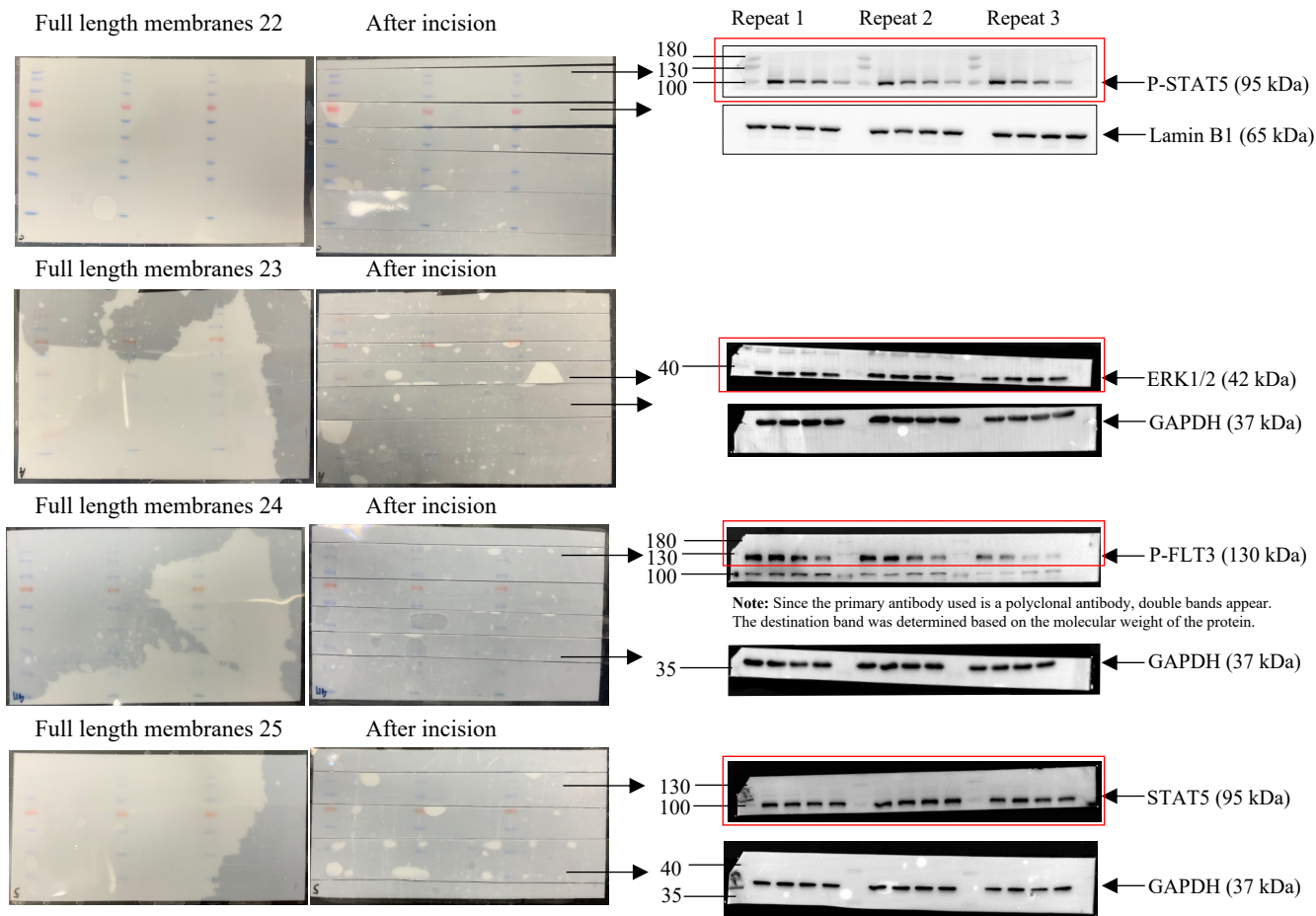


**Fig. 4. Decursin decreases the FLT3-ITD protein level.**  
(FLT3, STAT5, AKT, ERK1/2, P-FLT3, P-STAT5, P-AKT, P-ERK, C-MYC and PIM1)

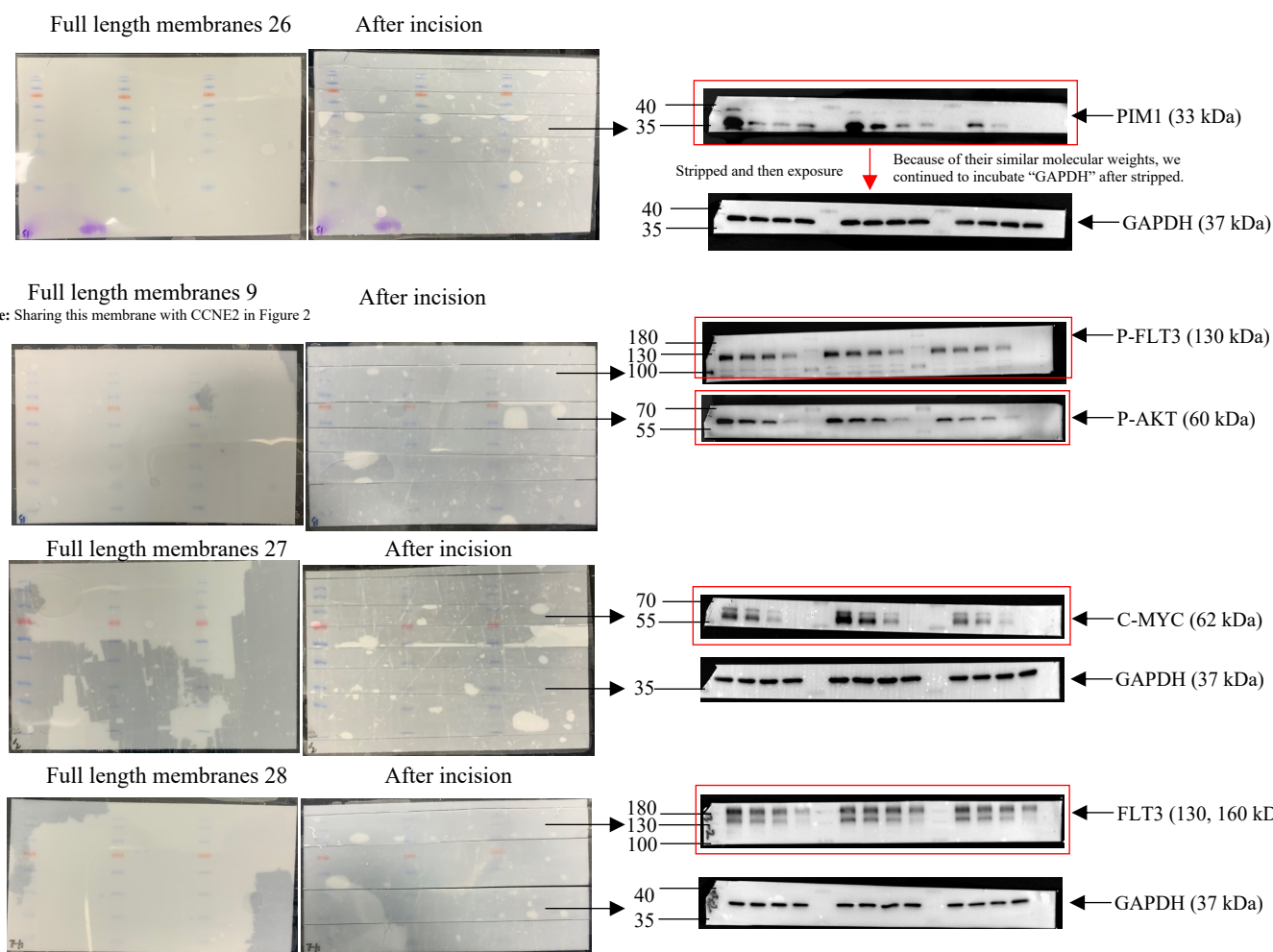
**Fig. 4E**



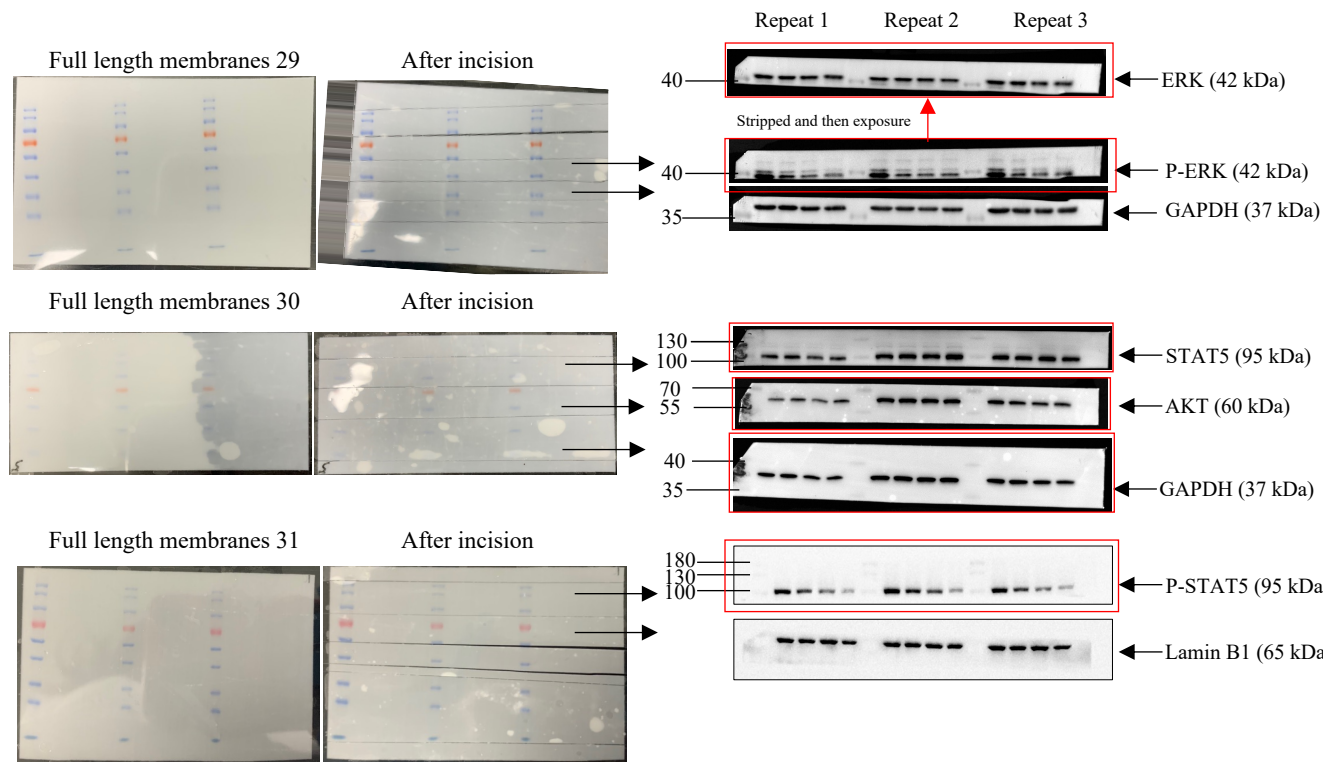




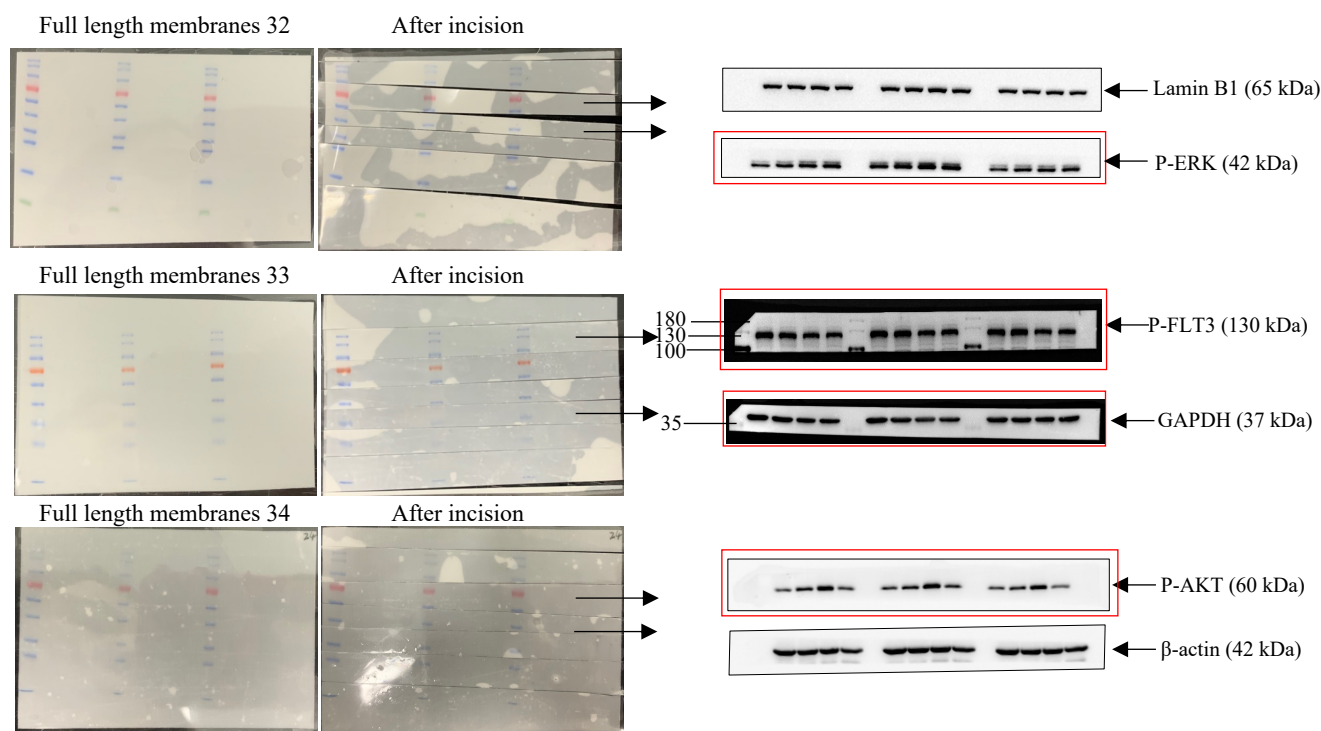
**Fig. 4F**





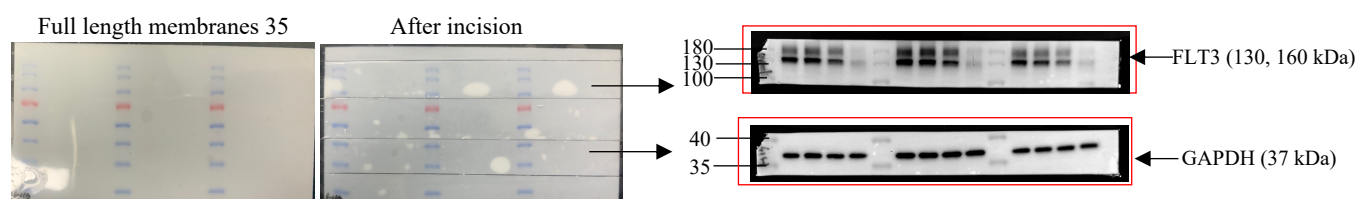


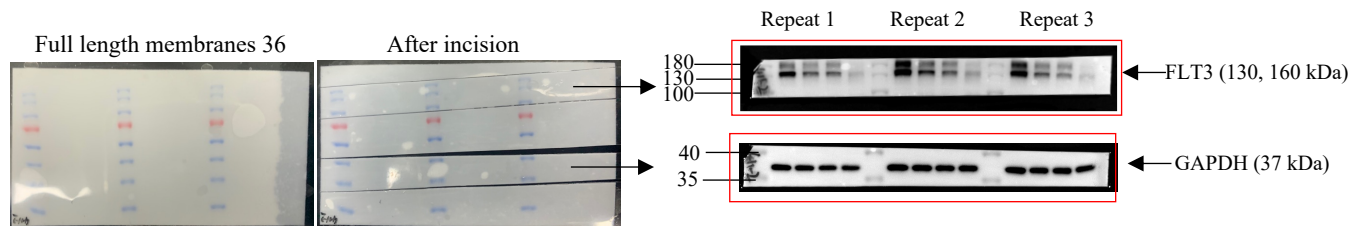
**Fig. 4G**



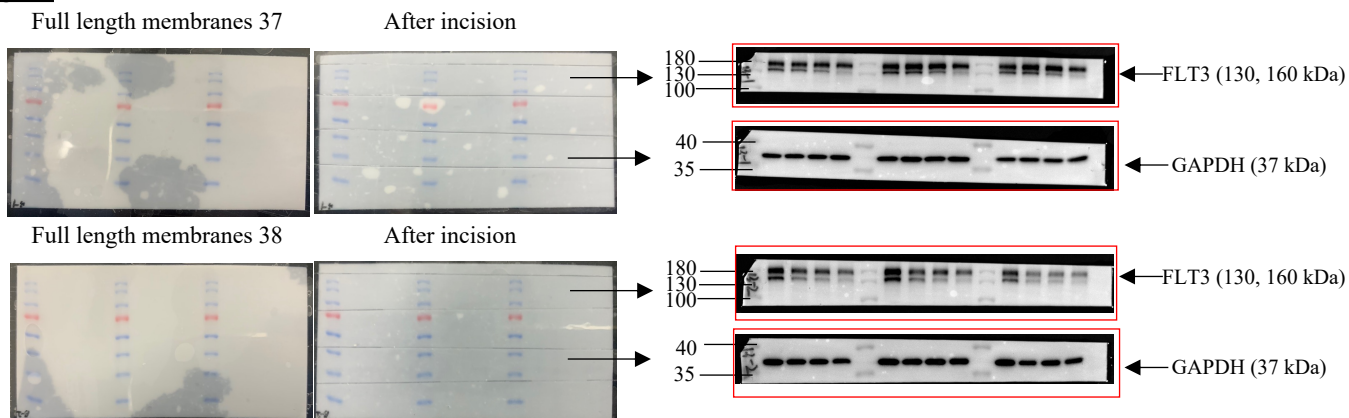
**Fig. 5. Decursin degrades FLT3-ITD via the proteasome pathway. (FLT3)**

**Fig. 5B**

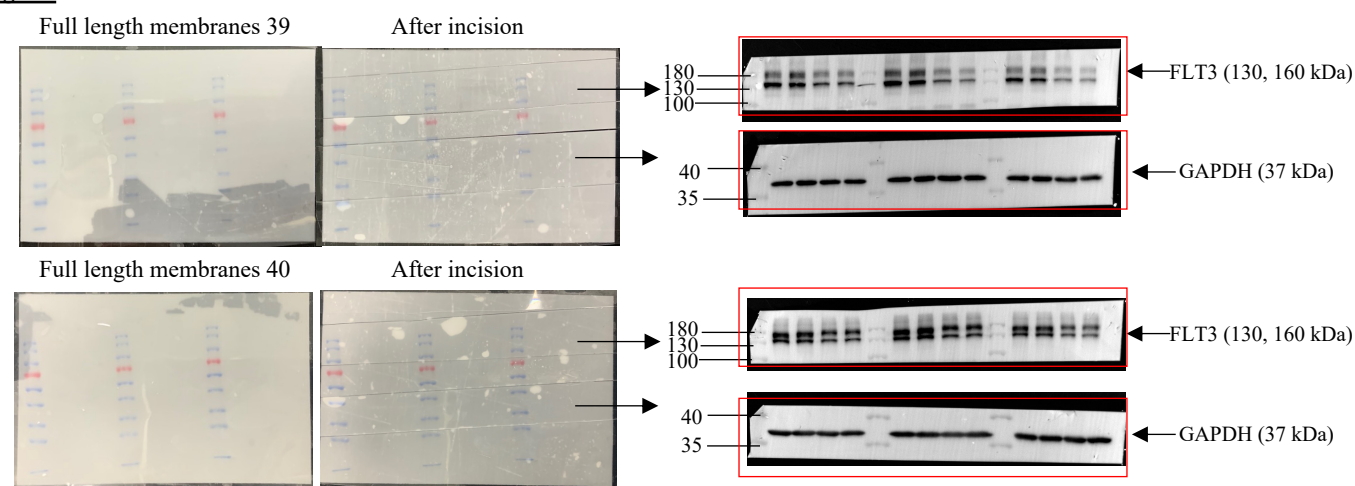




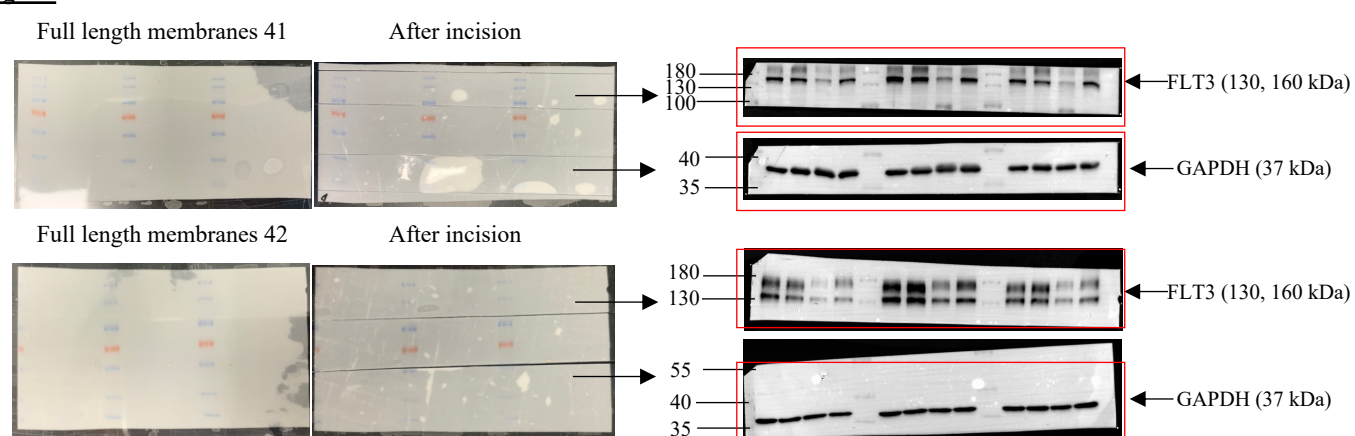
**Fig. 5C**



**Fig. 5D**



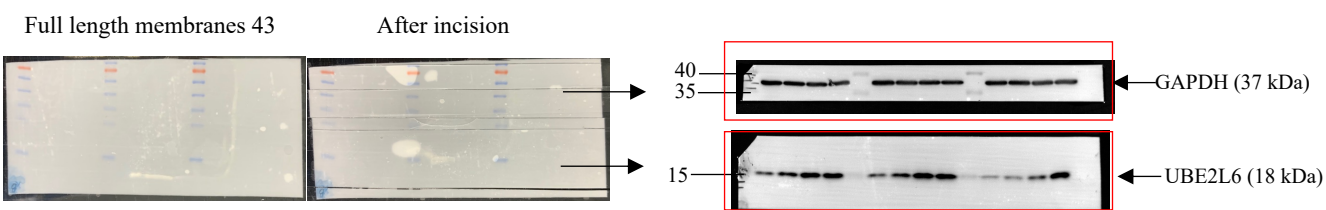
**Fig. 5E**

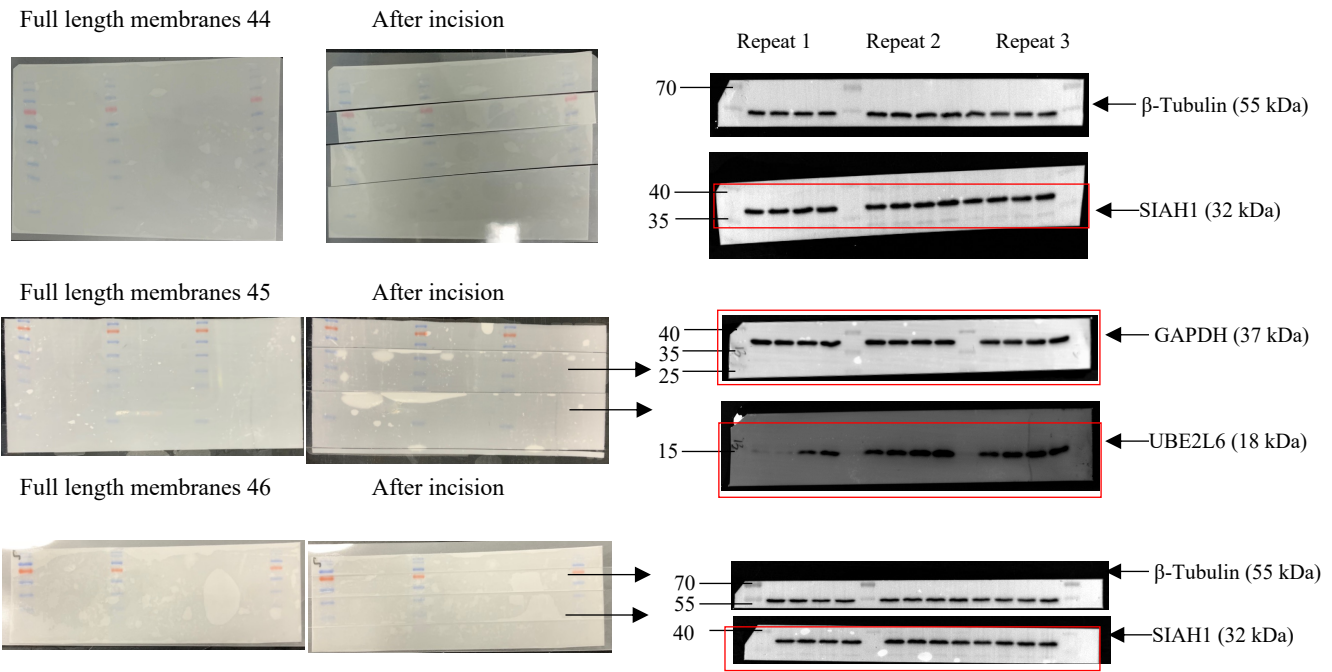


**Fig. 6. Decursin-induced apoptosis is attributed to an increase in UBE2L6.**

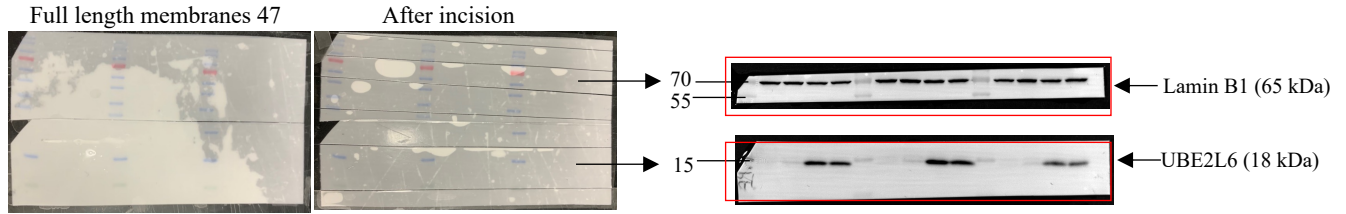
(UBE2L6, SIAH1, FLT3, P-FLT3, STAT5, P-STAT5, and C-MYC)

**Fig. 6B**

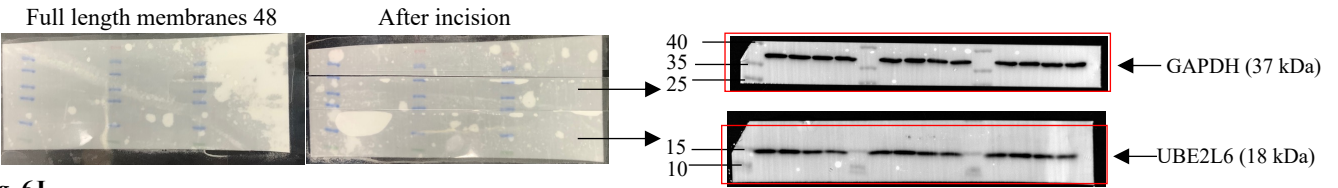




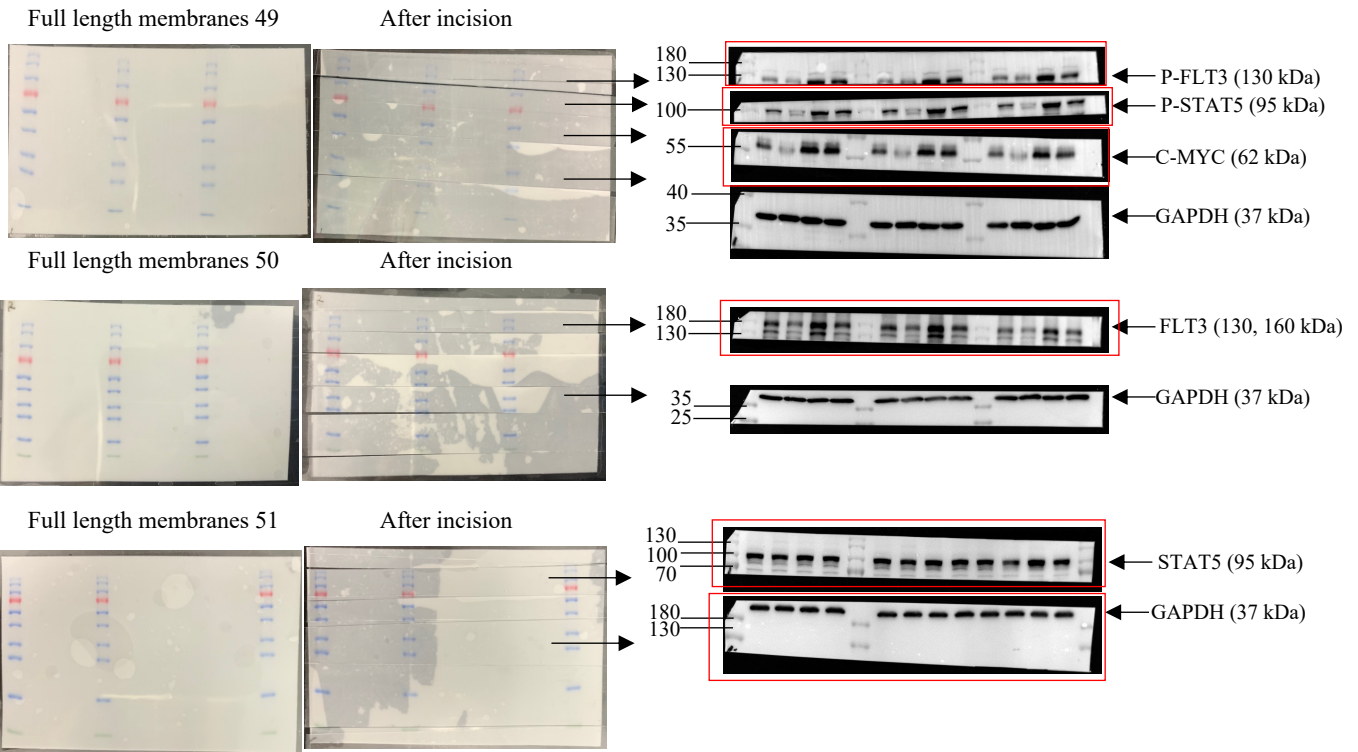
**Fig. 6D**



**Fig. 6E**

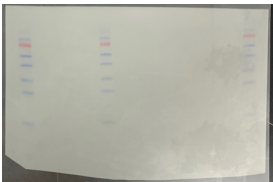


**Fig. 6J**





Full length membranes 52



After incision

