

## Supplemental Figures

### Differential Binding of Human and Murine IgGs to Catalytic and Cell Wall

#### Binding Domains of *Staphylococcus aureus* Peptidoglycan Hydrolases

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## Supplemental Figure 1

**A**

S-CHAP	230	YTWGQCTYHVFNRRAEIGKGI	STYWWNANNWDNAAAADGYTIDNRPTVGSIAQTDVG---	286
		Y GQCT++V+NR + G IS	+A+Nw+N A Y + + P + + G	
A-CHAP	508	YPHGQCTWYVYNRMKQFGT	SISGDLGDAHNNNRAQYRDYQVSHTPKRHA	567
			AVVFEAGQFG	
S-CHAP	287	---YYGHVMFVERVNNDGS	SILVSEMNYSAAPGILTYRTVPAYQVNNRYI	333
		+YGHV FVE+VN+DGS	I++SE N GI+++RT+ A YI	
A-CHAP	568	ADQHYGHVAFVEKVN	SDGSIVISESNVKGL-GIISHRTINAAAAEELSYI	616

**B**

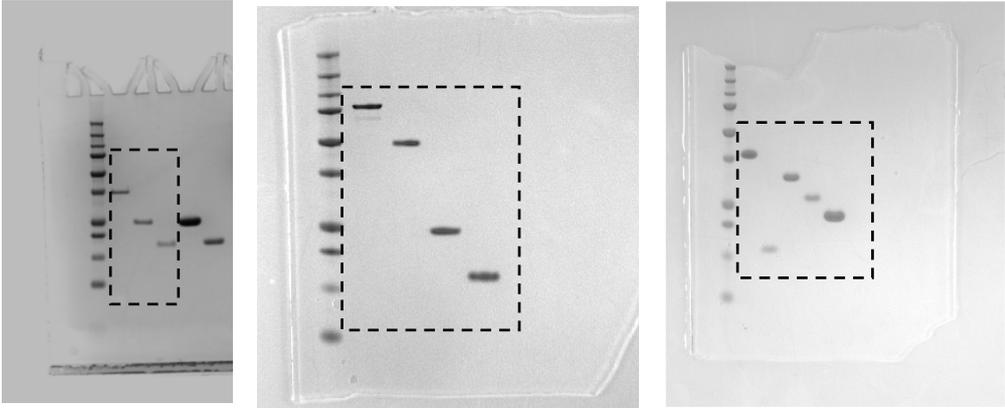
LytM	184	GHAKDASWLT	SRKQLQPYGQYHGG---	GAHYGVDYAMPENSPVYSLTDGTVVQAGWSNYG	240
		GH+K + + + +G+Y	G HYG+D+A+P+ +P+ + T+G V + ++N		
LytU	47	GHSKWEDFFRGR	SITETFGKYQHSPFDGKHYGIDFALPKGTPIKAPTNGKVTRI-FNNEL	105	
LytM	241	GGNQVTIKEANS	NNYQWYMHNNRLTVSAGDKVKAGDQIAYS	SGSTGN-STAPHVHFQRM	299
		GG + I E N +QWY+H ++ V	GD+VKAGD IAYSG+TG +T H+HFQRM G		
LytU	106	GGKVLQIAEDN	GEYHQWYLHLDKYNVVKVGD	RKAGDIIAYSGNTGKQTTGAHLHFQRMKG	165
LytM	300	GIGNQYAVDPTS	YLQ 314		
		G+GN YA DP +++			
LytU	166	GVGNAYAEDPK	PFIE 180		

### Supplemental Figure 1. Alignment of homologous domains of Sle1 and Aly.

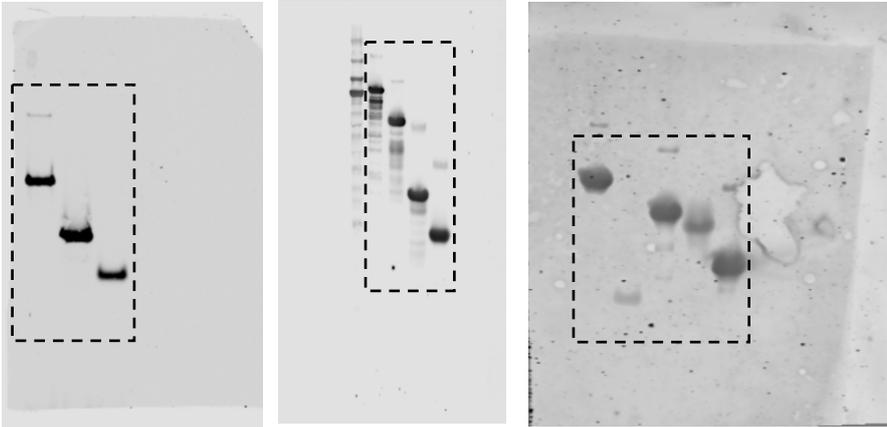
(A) Alignment of the S-CHAP and A-CHAP domains of Sle1 and Aly, respectively. (B) Alignment of the C-terminal catalytic M23 domains of LytM and LytU. Identical residues are indicated between the aligned sequences and conservative replacements are indicated with +.

Supplemental Figure 2

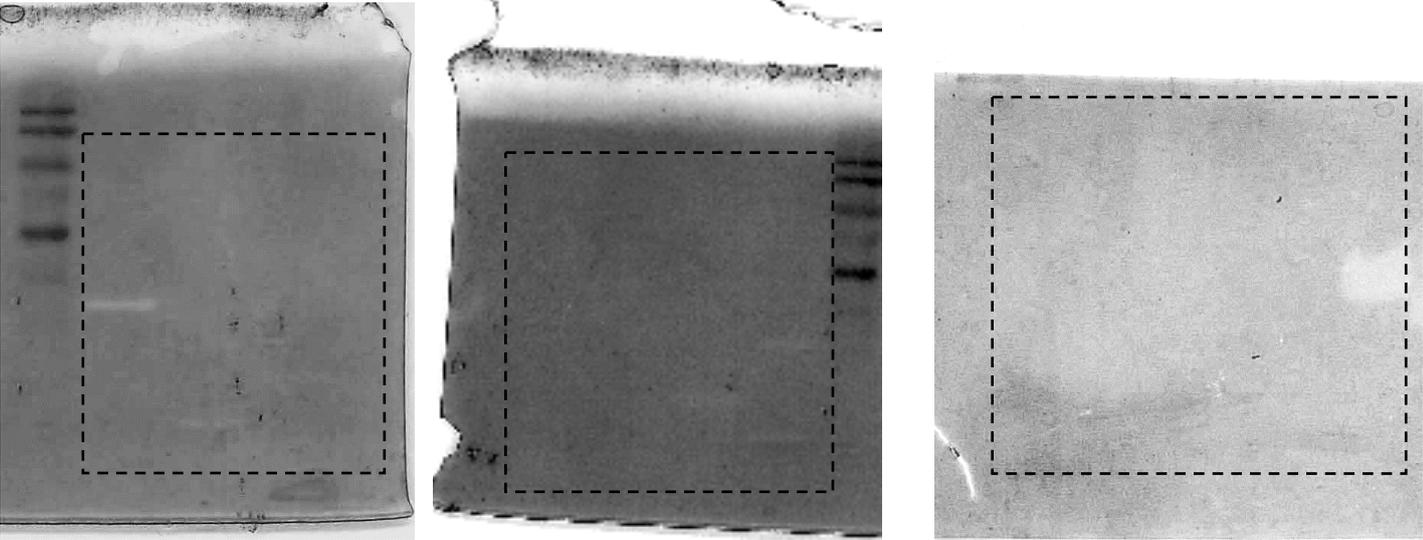
A



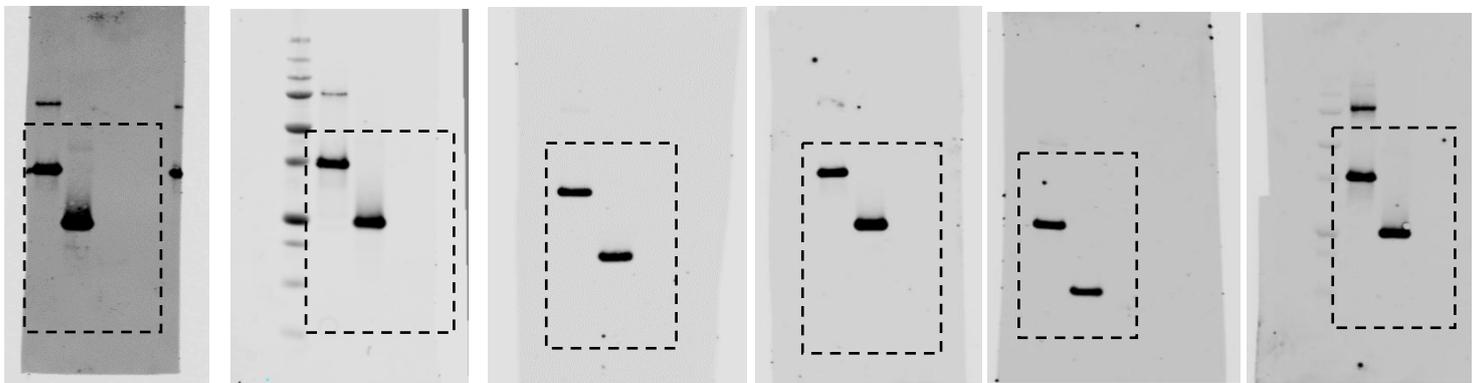
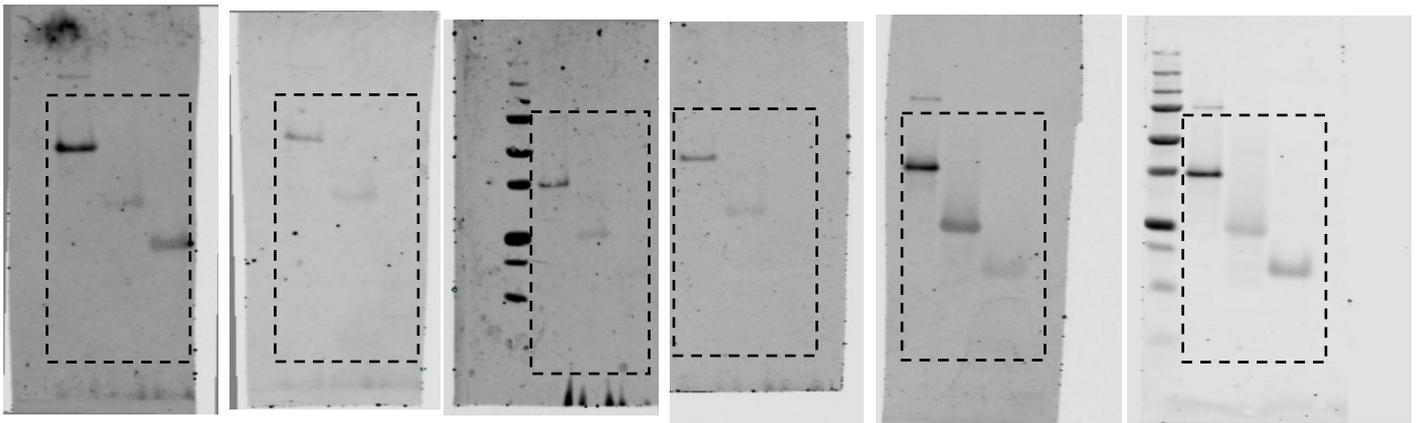
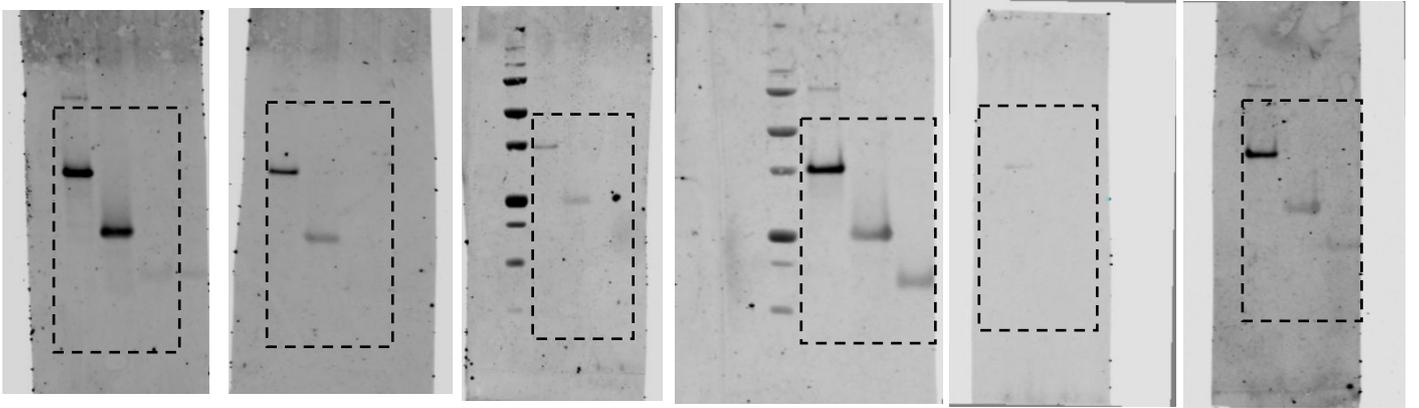
B



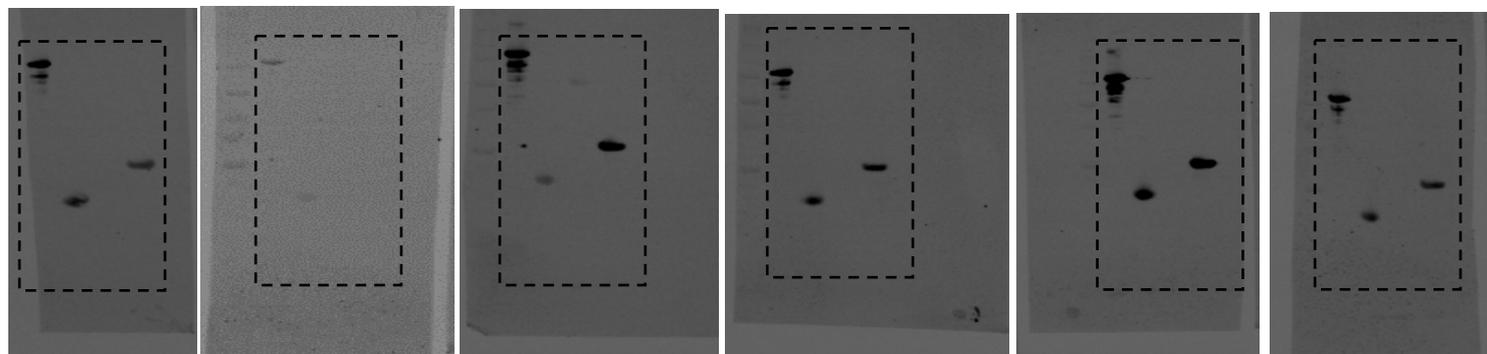
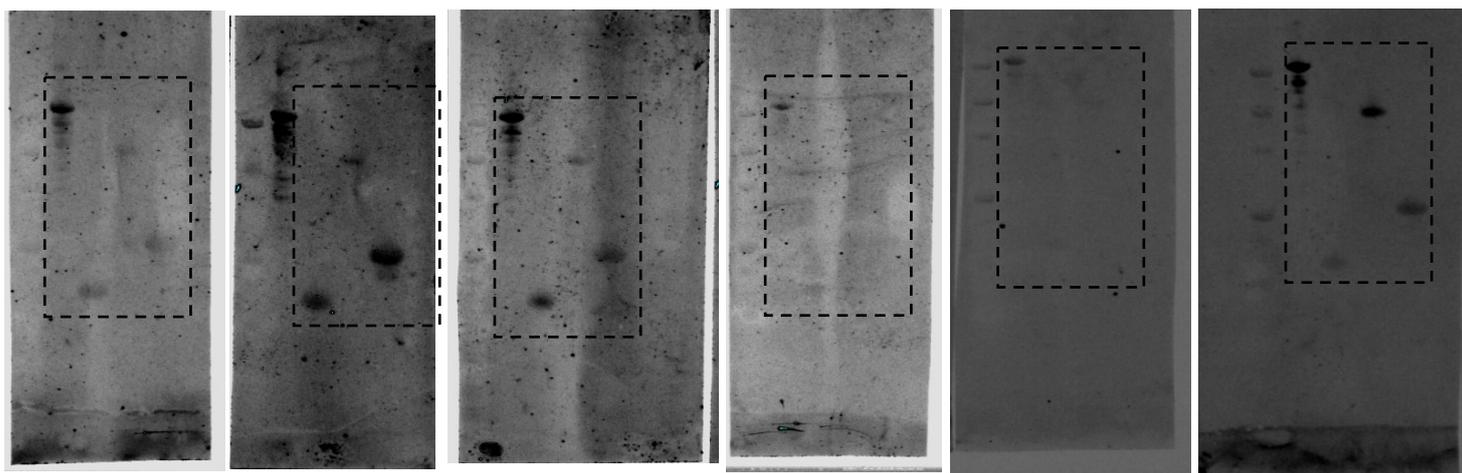
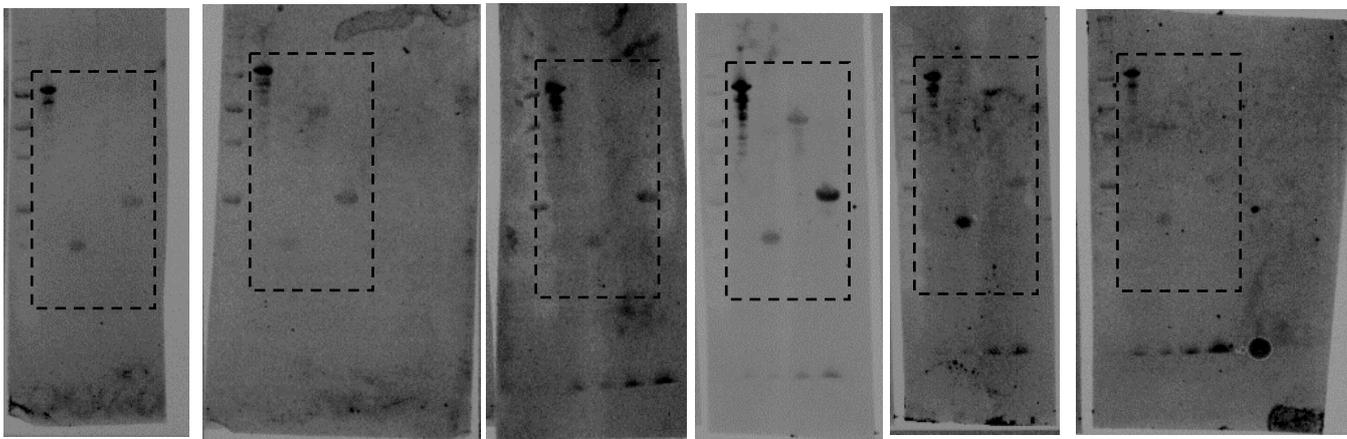
C



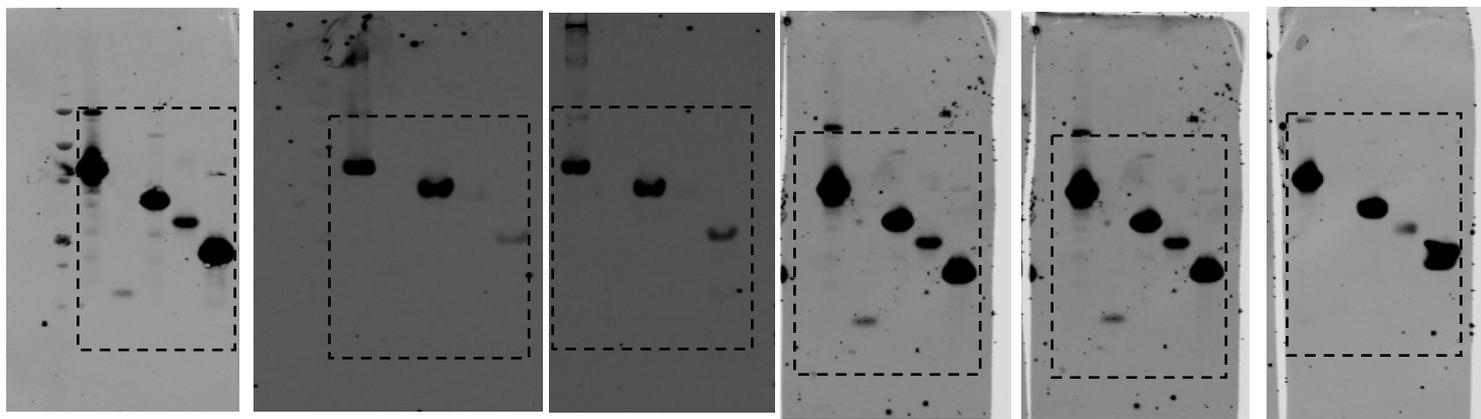
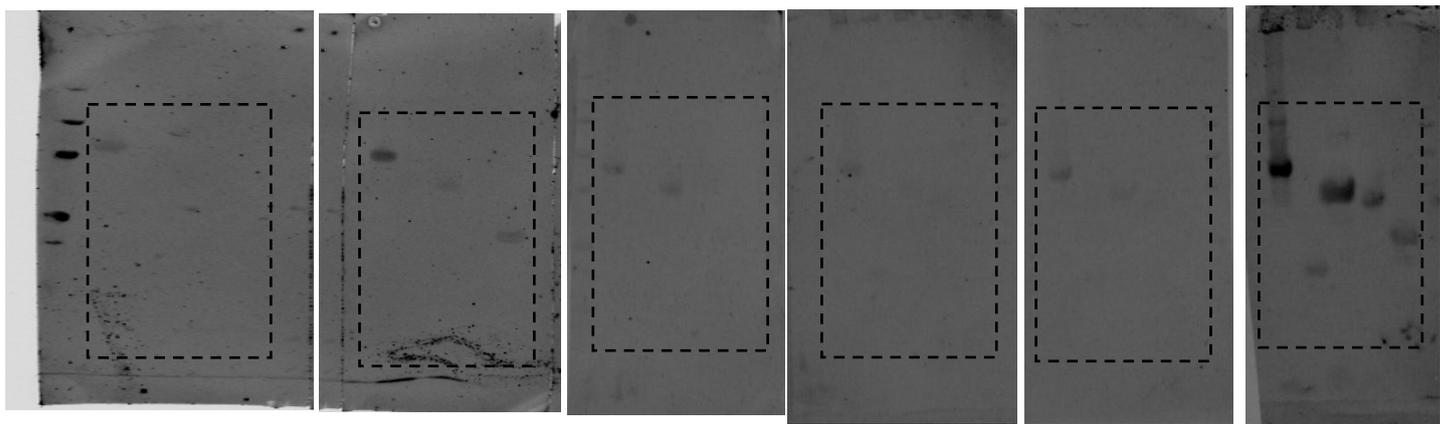
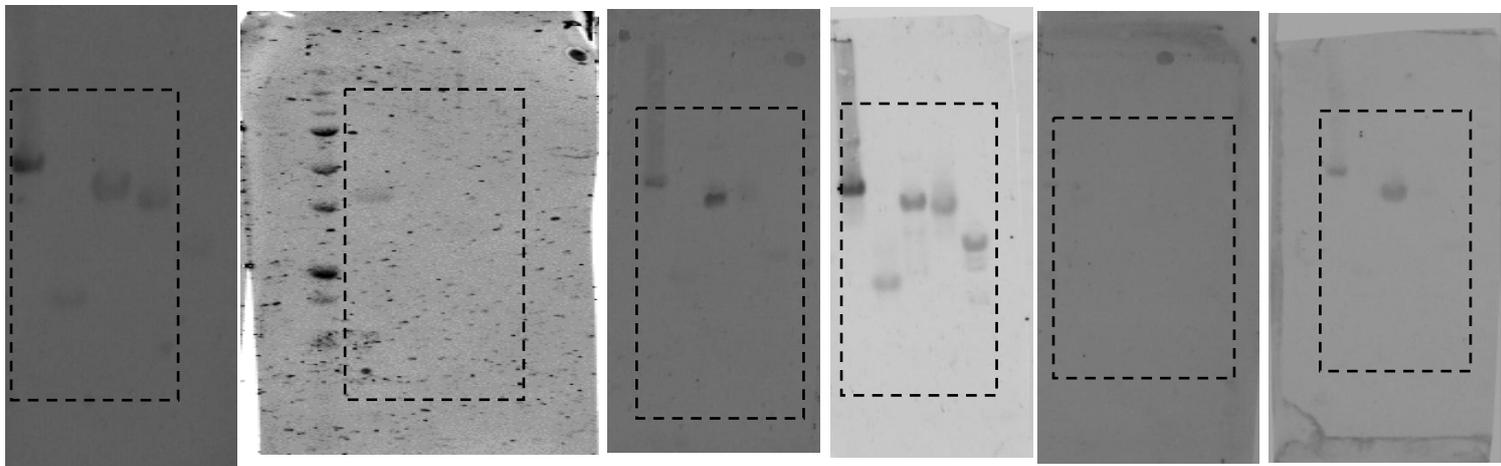
D



E



F



## **Supplemental Figure 2. Original gels and Western blots**

Panel A shows the full Simply Blue-stained gels of Figure 2 (left panels).

Panel B shows the full blots used to generate the Western blots presented in Figure 2 (right panels).

Panel C shows the zymograms used to generate Figure 3.

Panel D shows the full blots used to generate the Western blots presented in Figure 6.

Panel E shows the full blots used to generate the Western blots presented in Figure 7.

Panel F shows the full blots used to generate the Western blots presented in Figure 8.

All image sections presented in the respective Figures in the main manuscript have been marked with interrupted lines.