

## Figure 1F

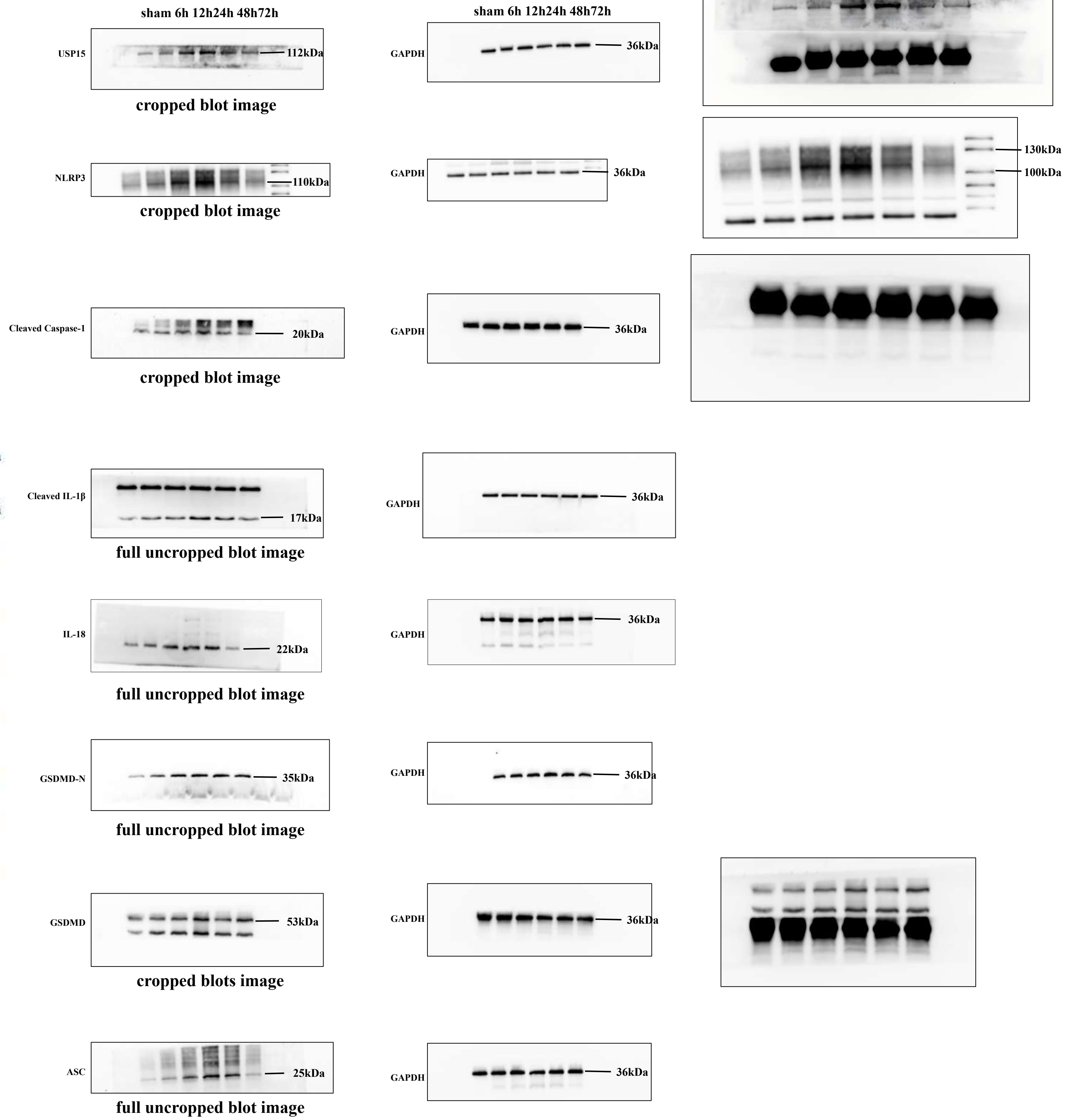


Figure 2A

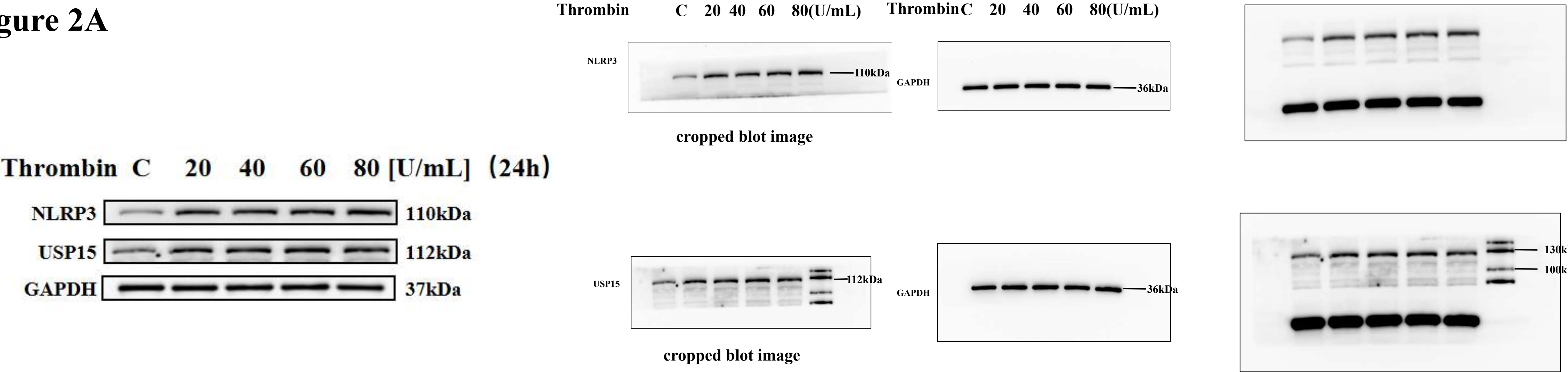


Figure 2D

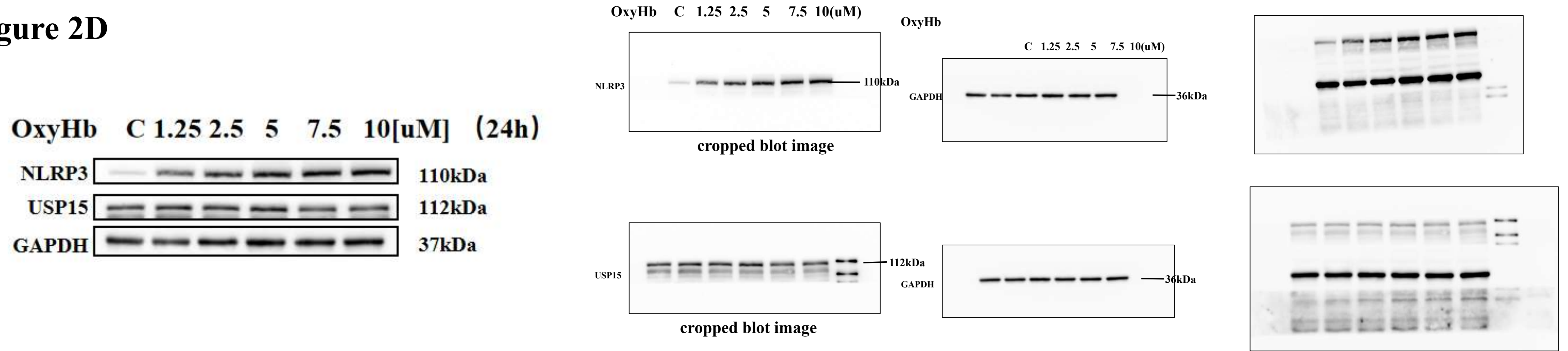


Figure 2G

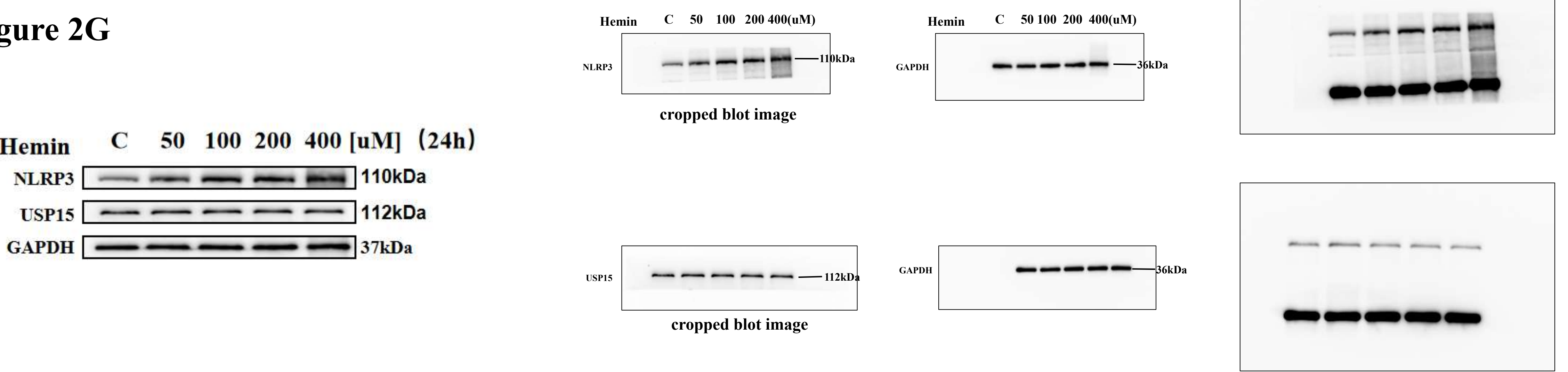


Figure 3A

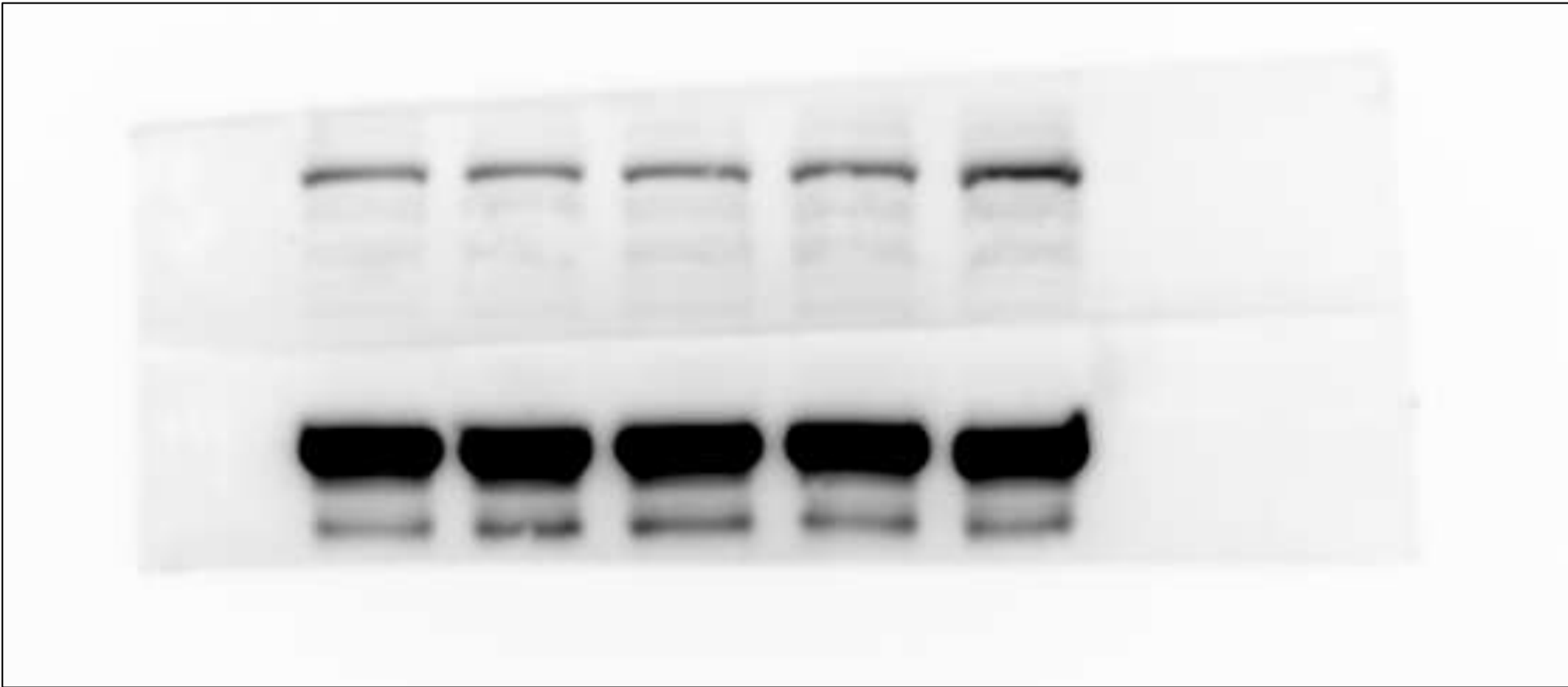
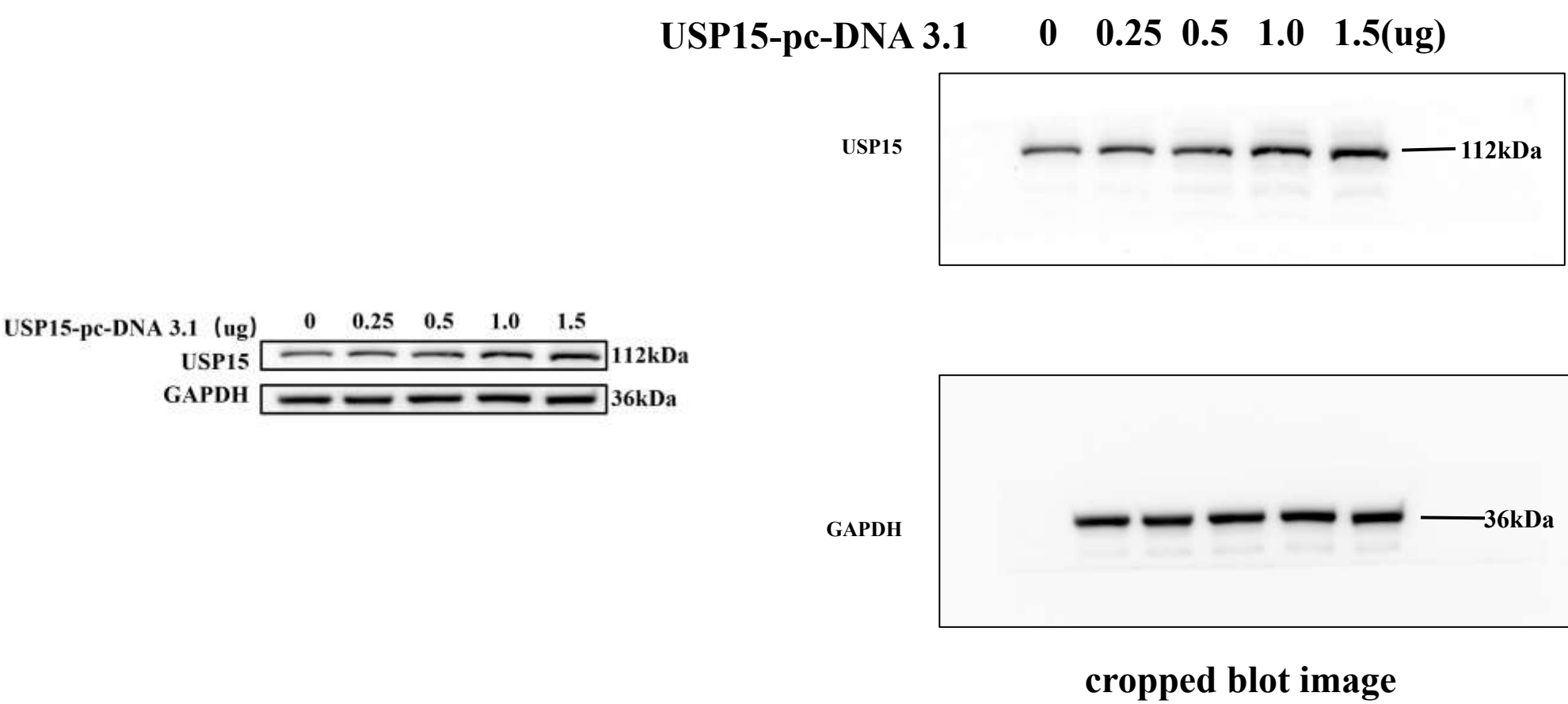
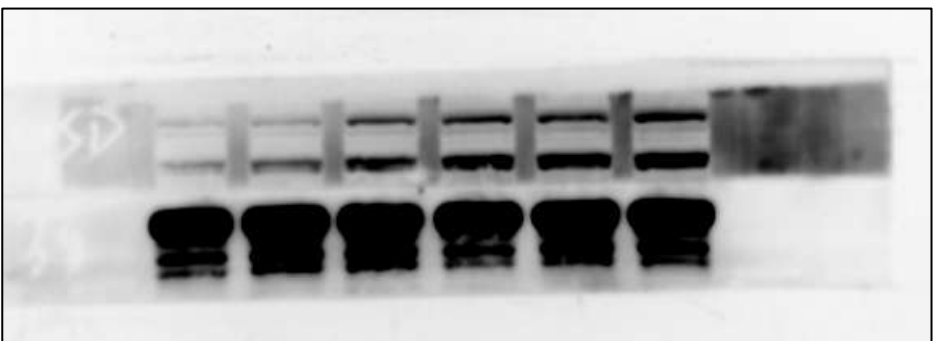
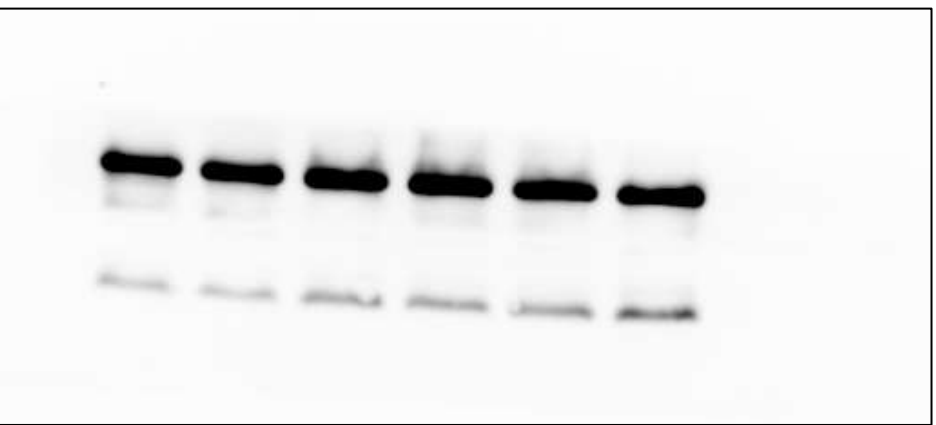
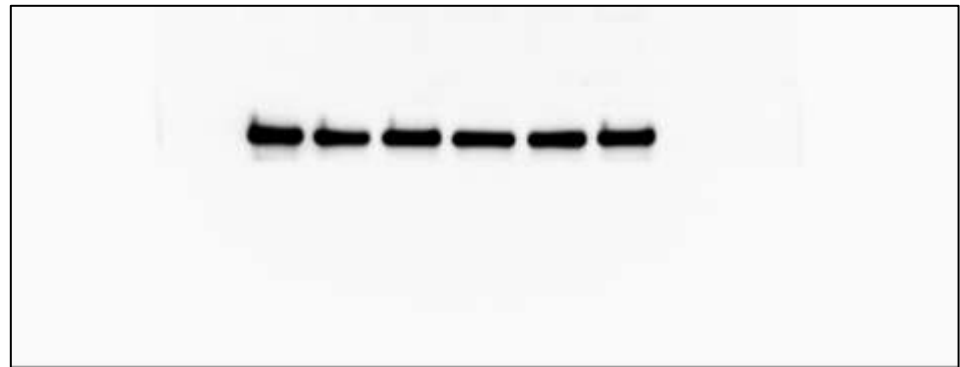
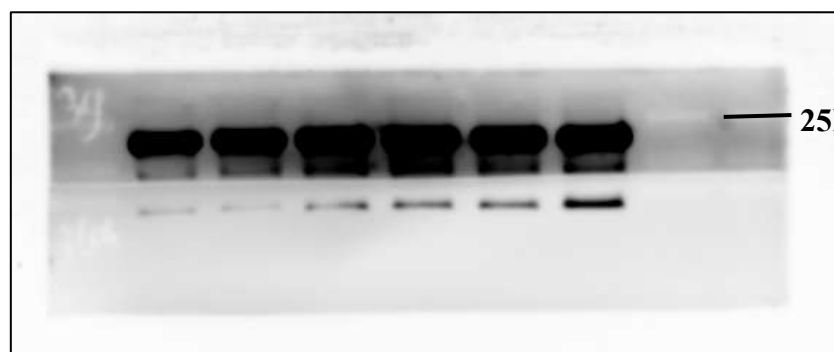
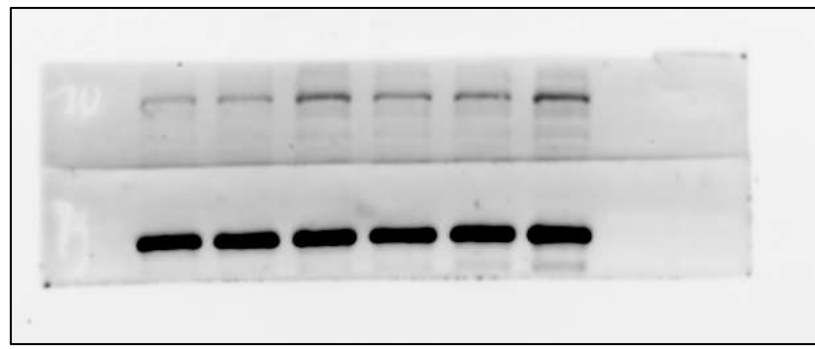
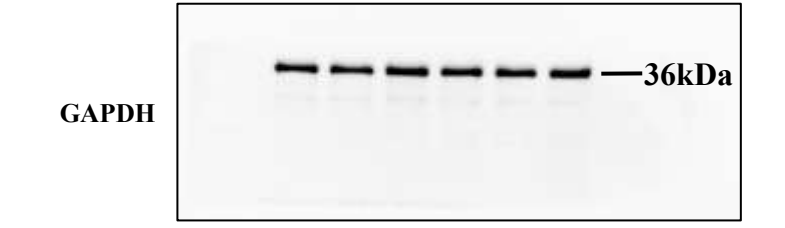
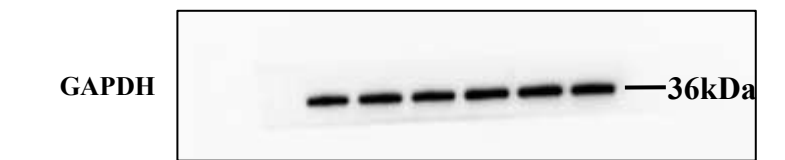
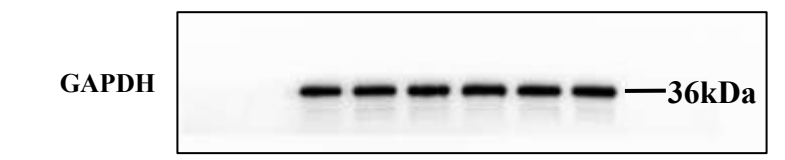
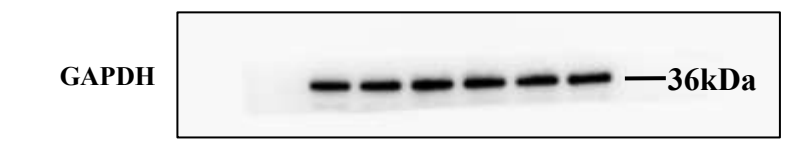
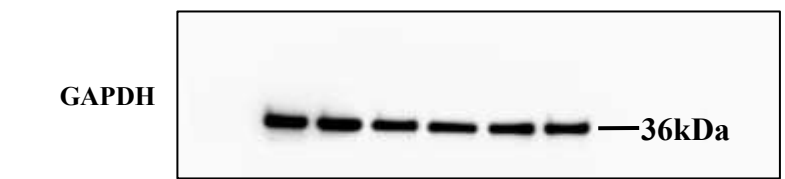
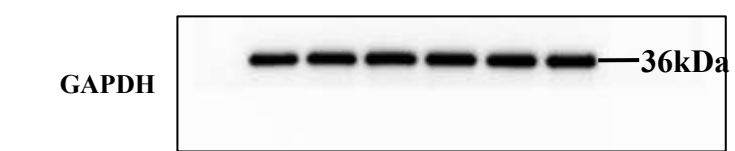
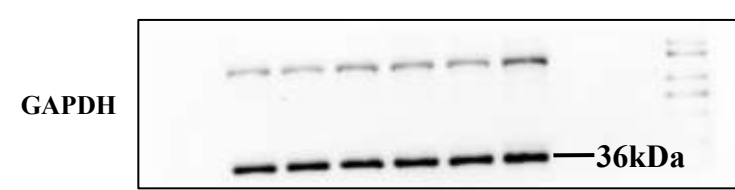
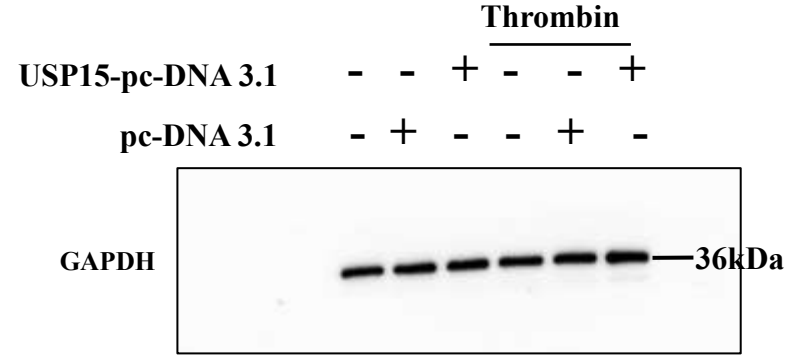
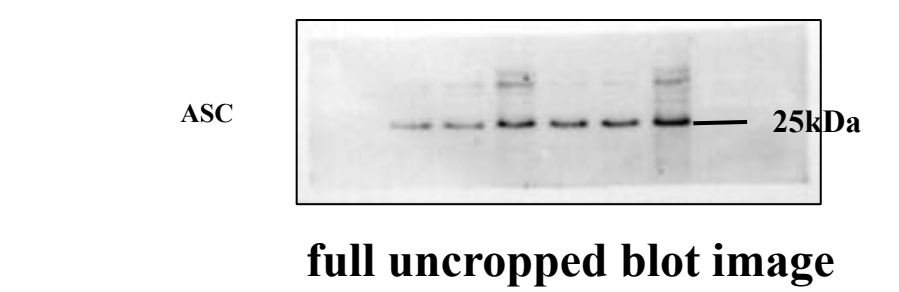
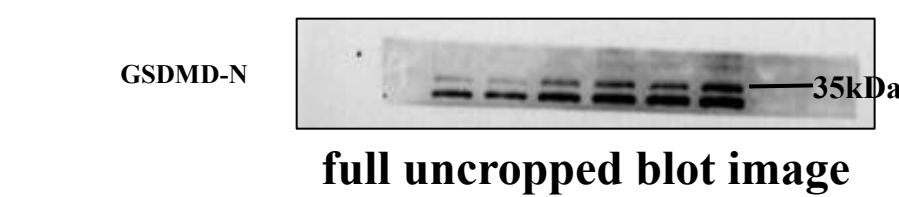
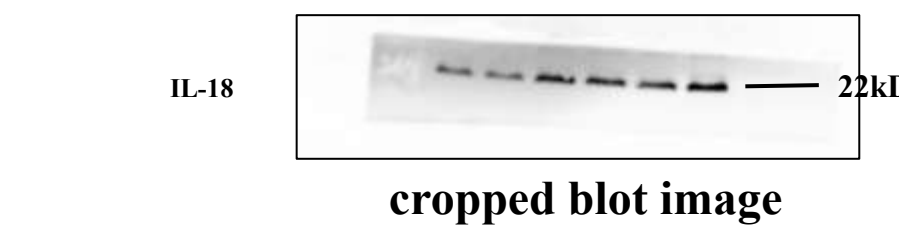
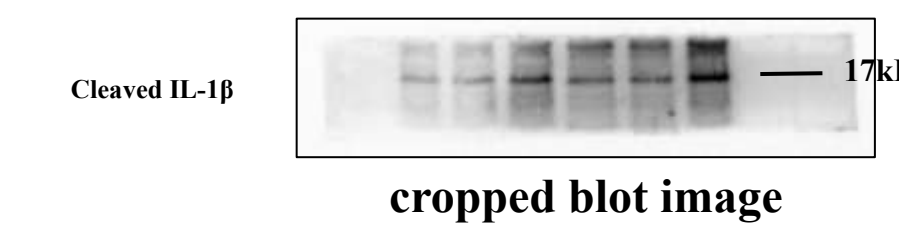
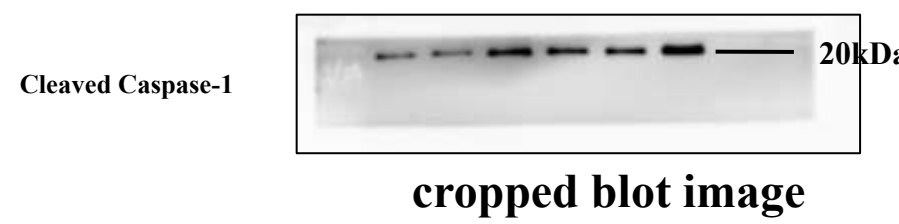
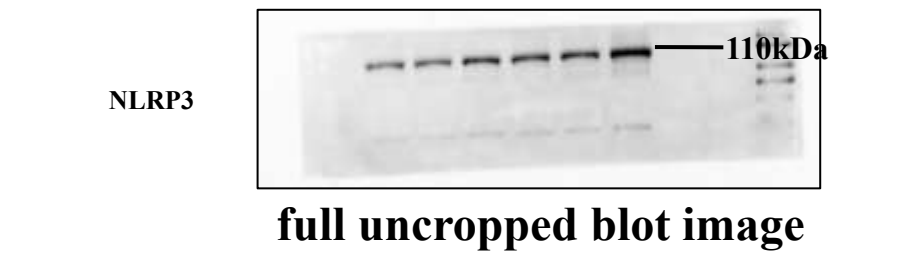
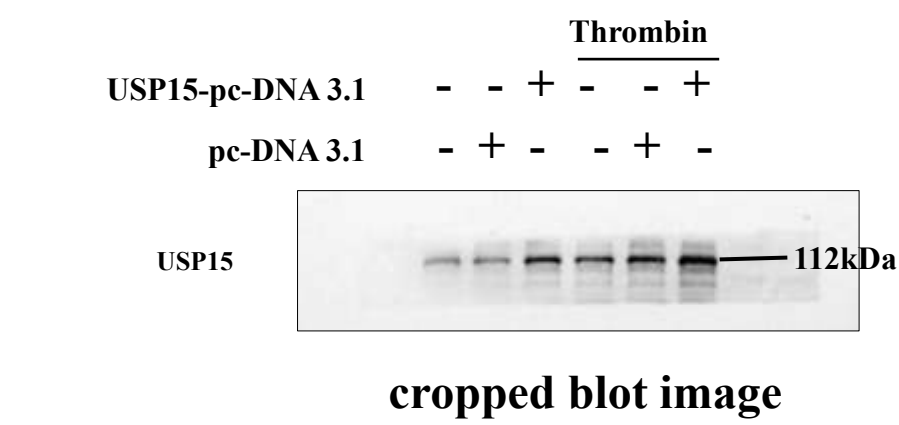
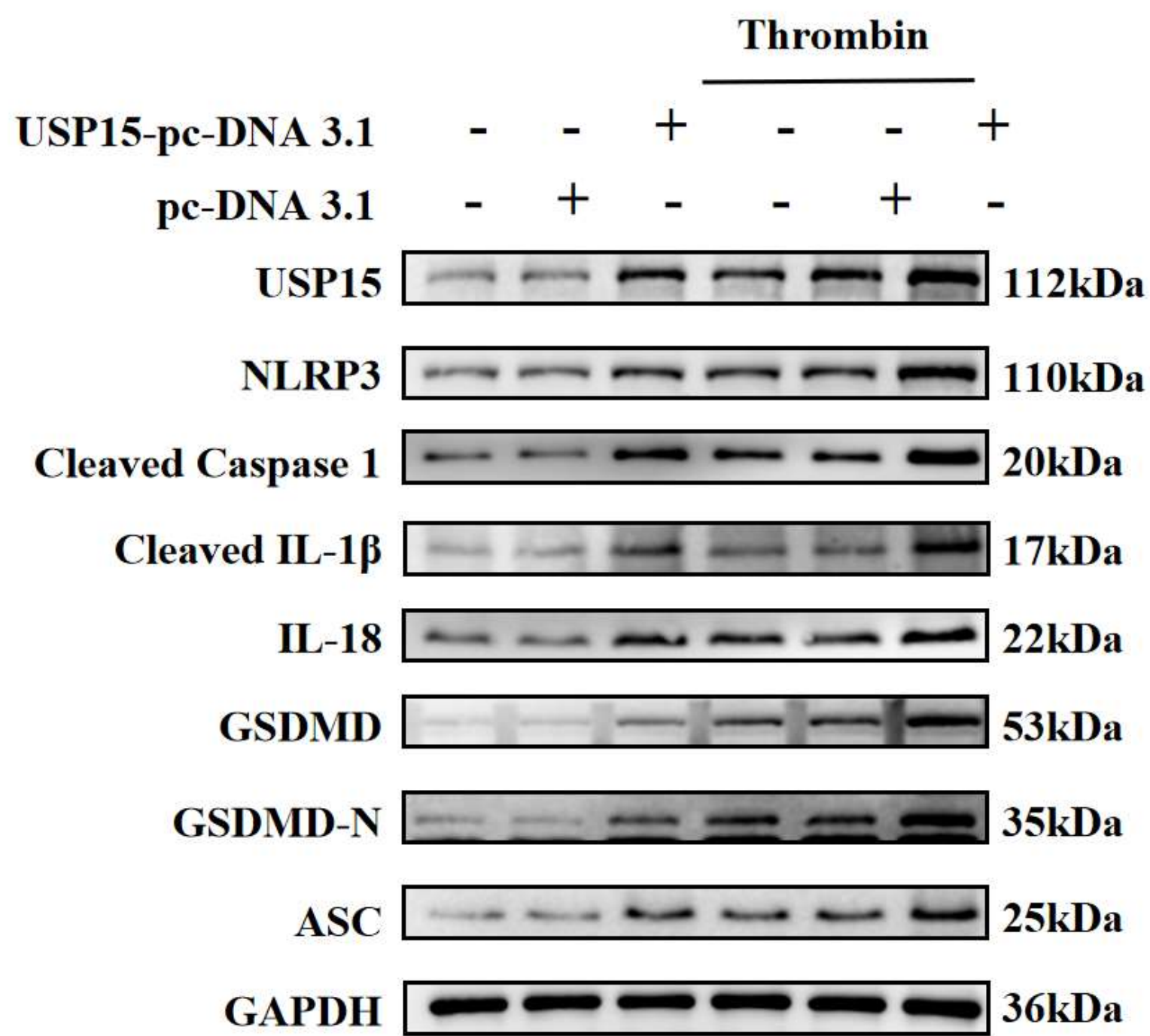
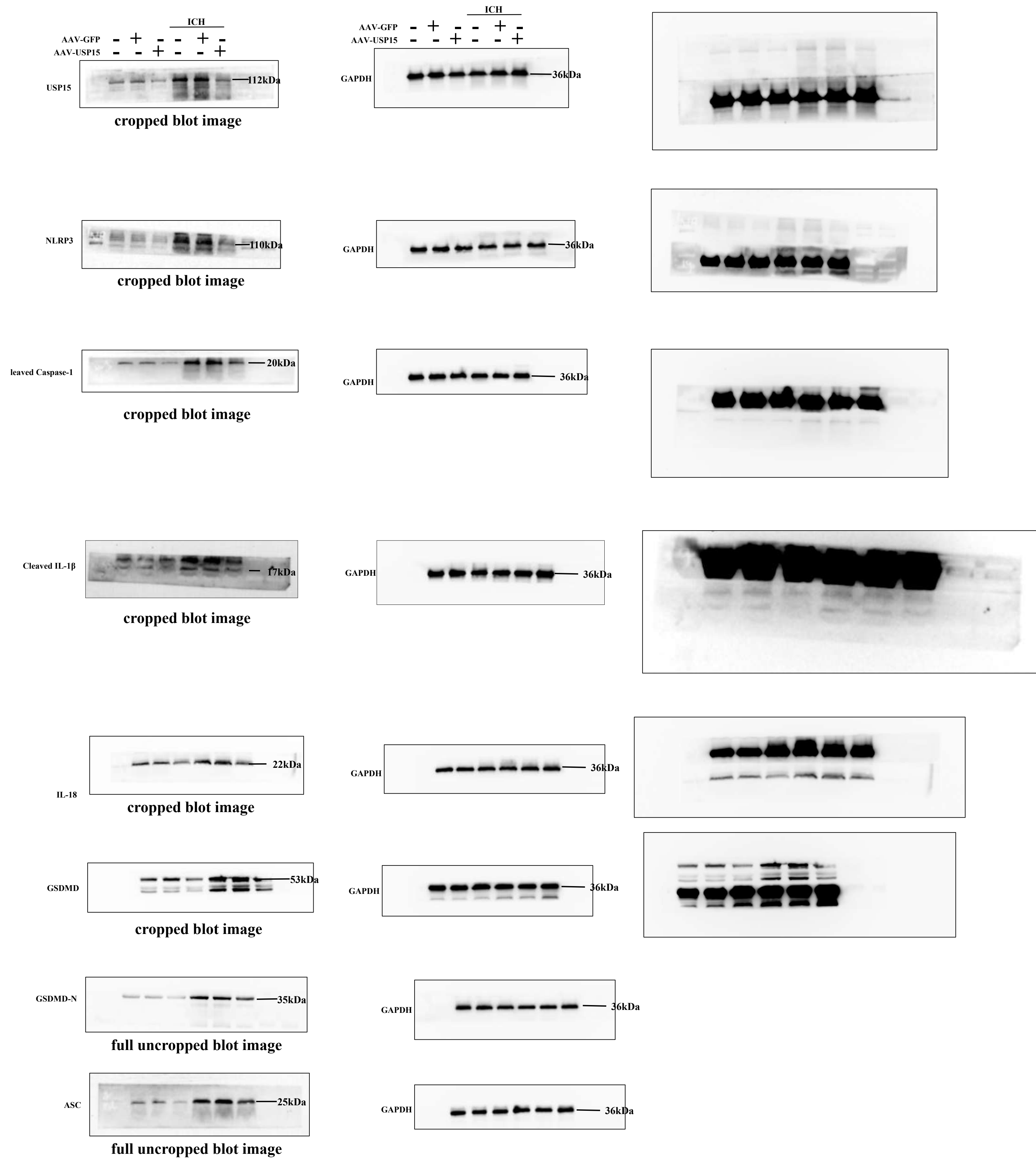


Figure 3C



|                    |   |   | ICH |   |   |   |        |
|--------------------|---|---|-----|---|---|---|--------|
| AAV-GFP            | - | + | -   | - | + | - |        |
| AAV-USP15          | - | - | +   | - | - | + |        |
| USP15              |   |   |     |   |   |   | 112kDa |
| NLRP3              |   |   |     |   |   |   | 110kDa |
| Cleaved Caspase- 1 |   |   |     |   |   |   | 20kDa  |
| ASC                |   |   |     |   |   |   | 25kDa  |
| Cleaved IL-1β      |   |   |     |   |   |   | 17kDa  |
| IL-18              |   |   |     |   |   |   | 22kDa  |
| GSDMD              |   |   |     |   |   |   | 53kDa  |
| GSDMD-N            |   |   |     |   |   |   | 35kDa  |
| GAPDH              |   |   |     |   |   |   | 36kDa  |



### Figure 4 M

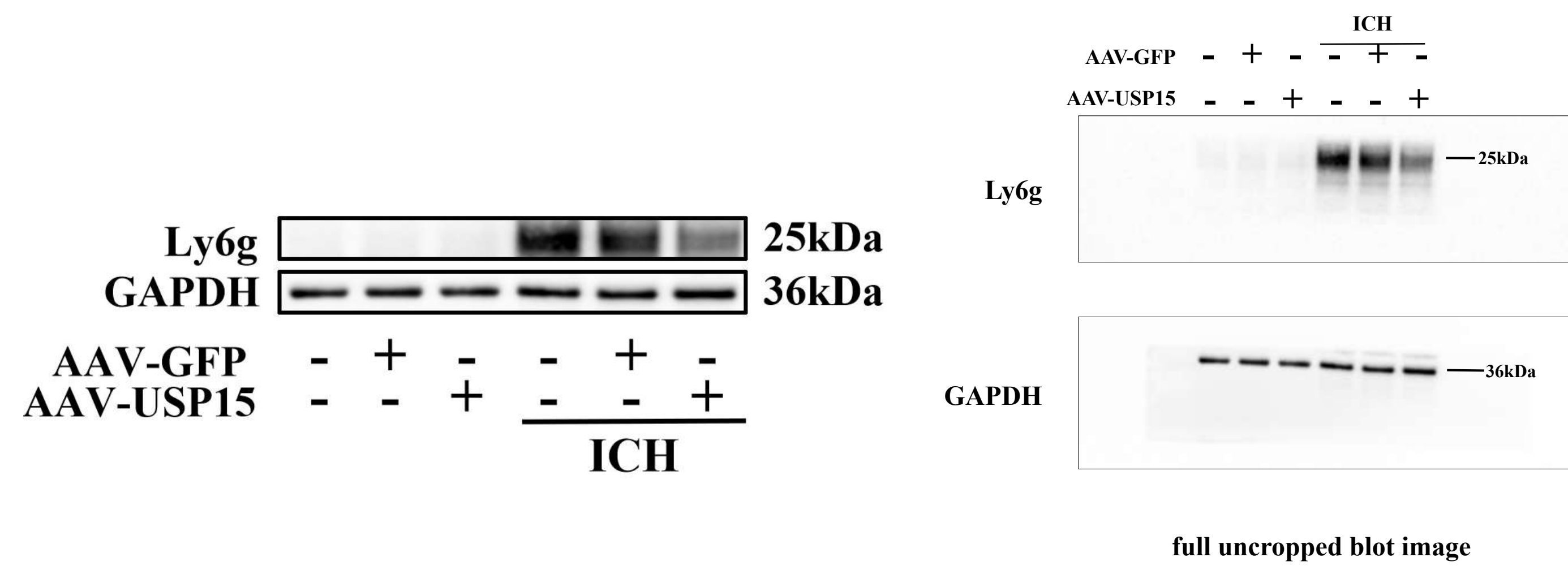
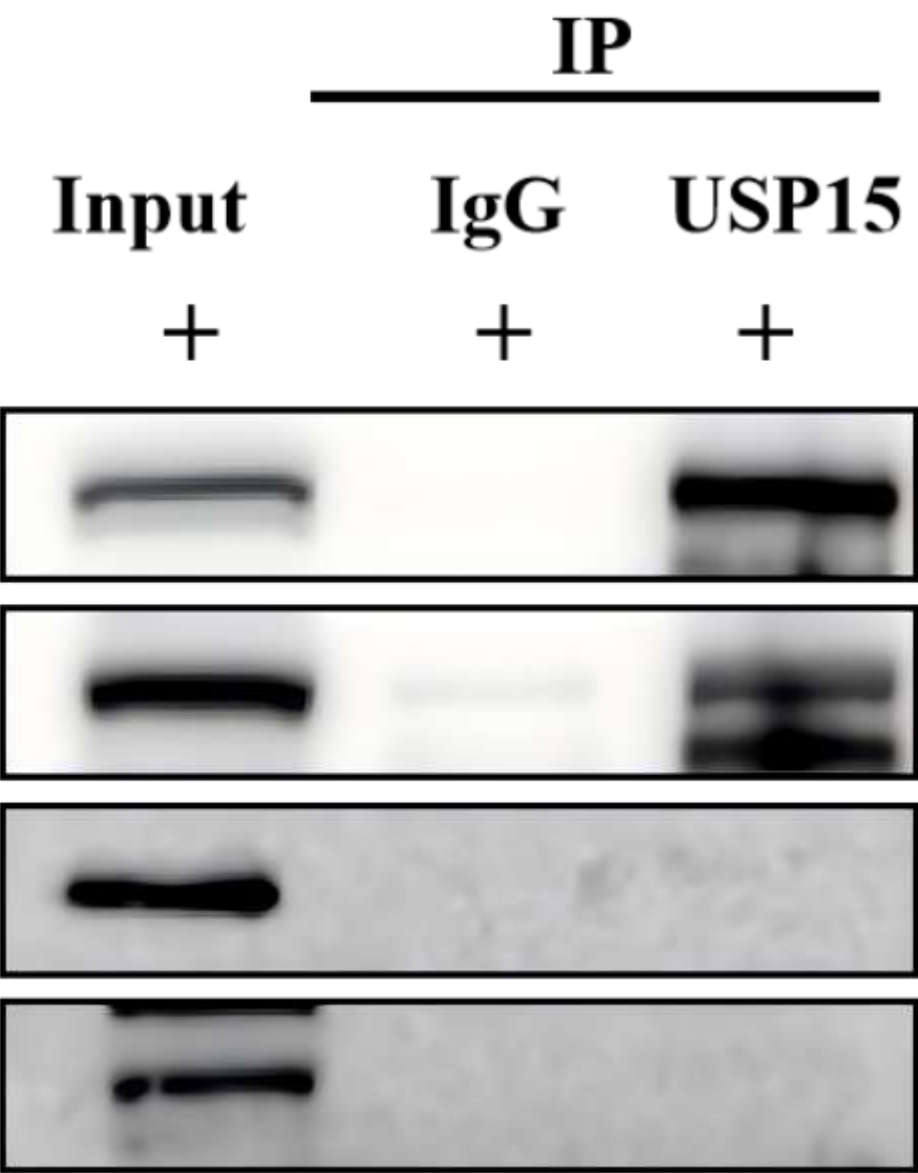


Figure 5E



Thrombin

USP15

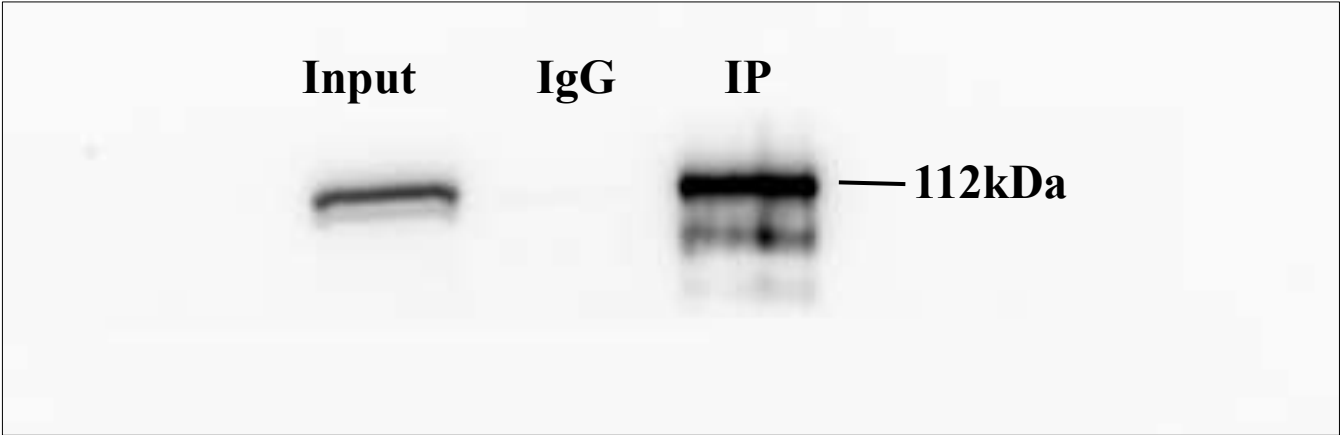
NLRP3

ASC

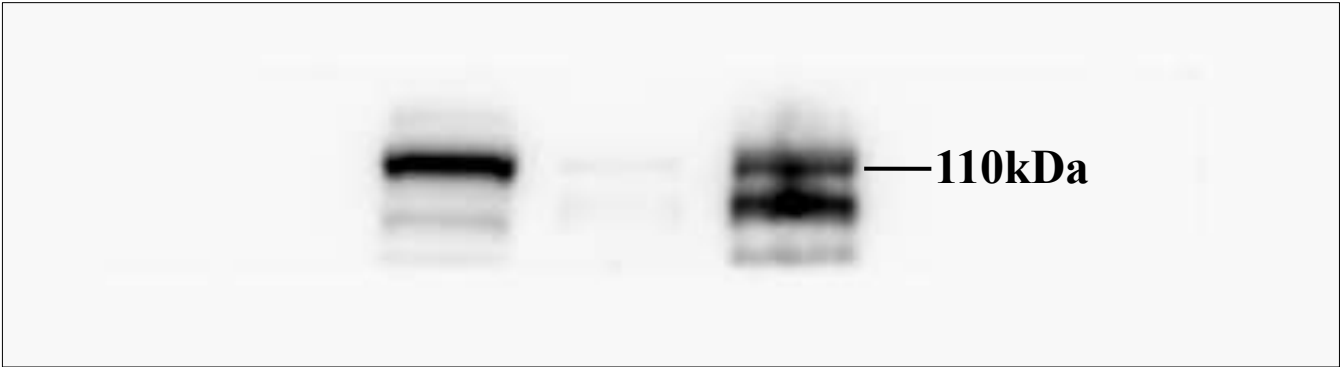
pro caspase 1

pro-caspase-1

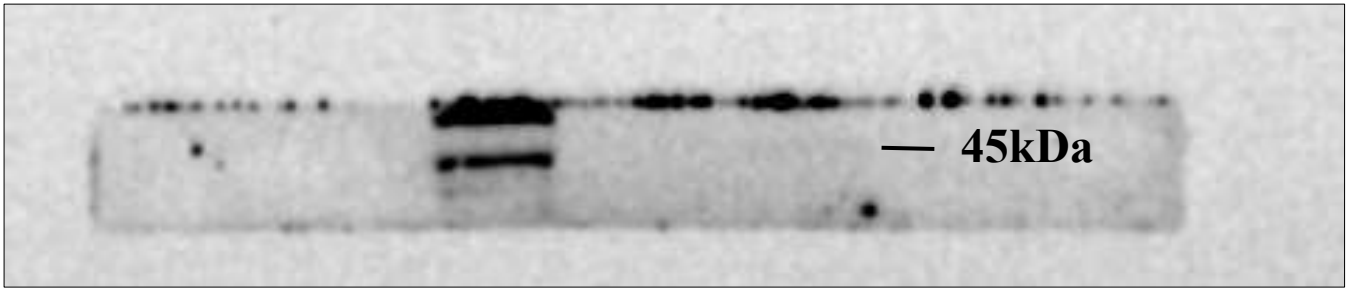
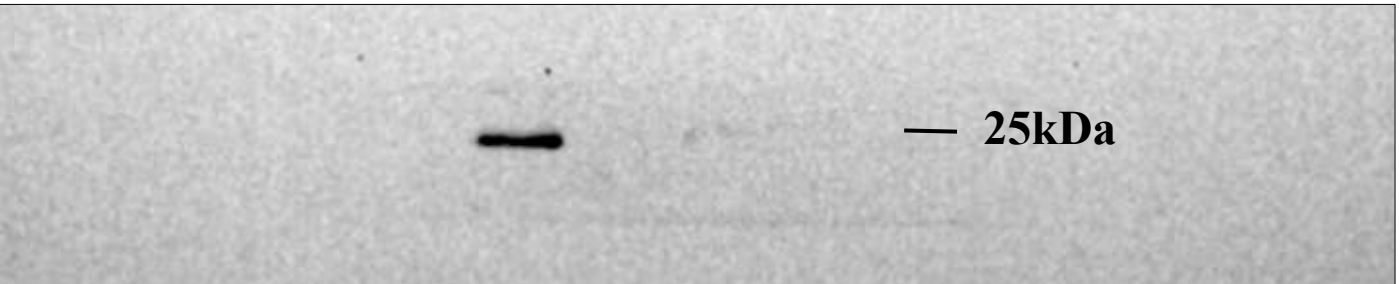
USP15



NLRP3



ASC



112kDa

110kDa

25kDa

45kDa

Figure 5F

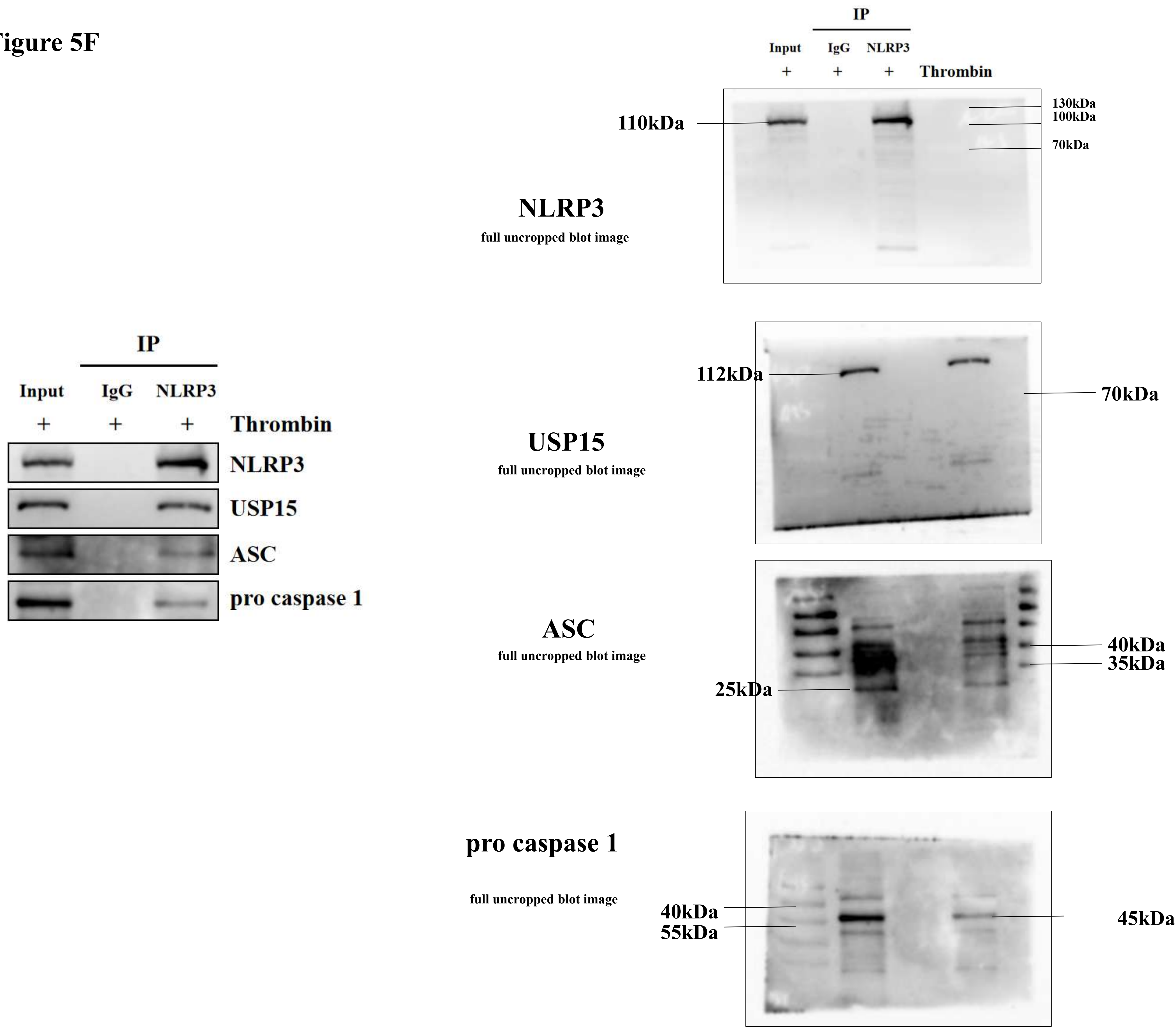


Figure 5G

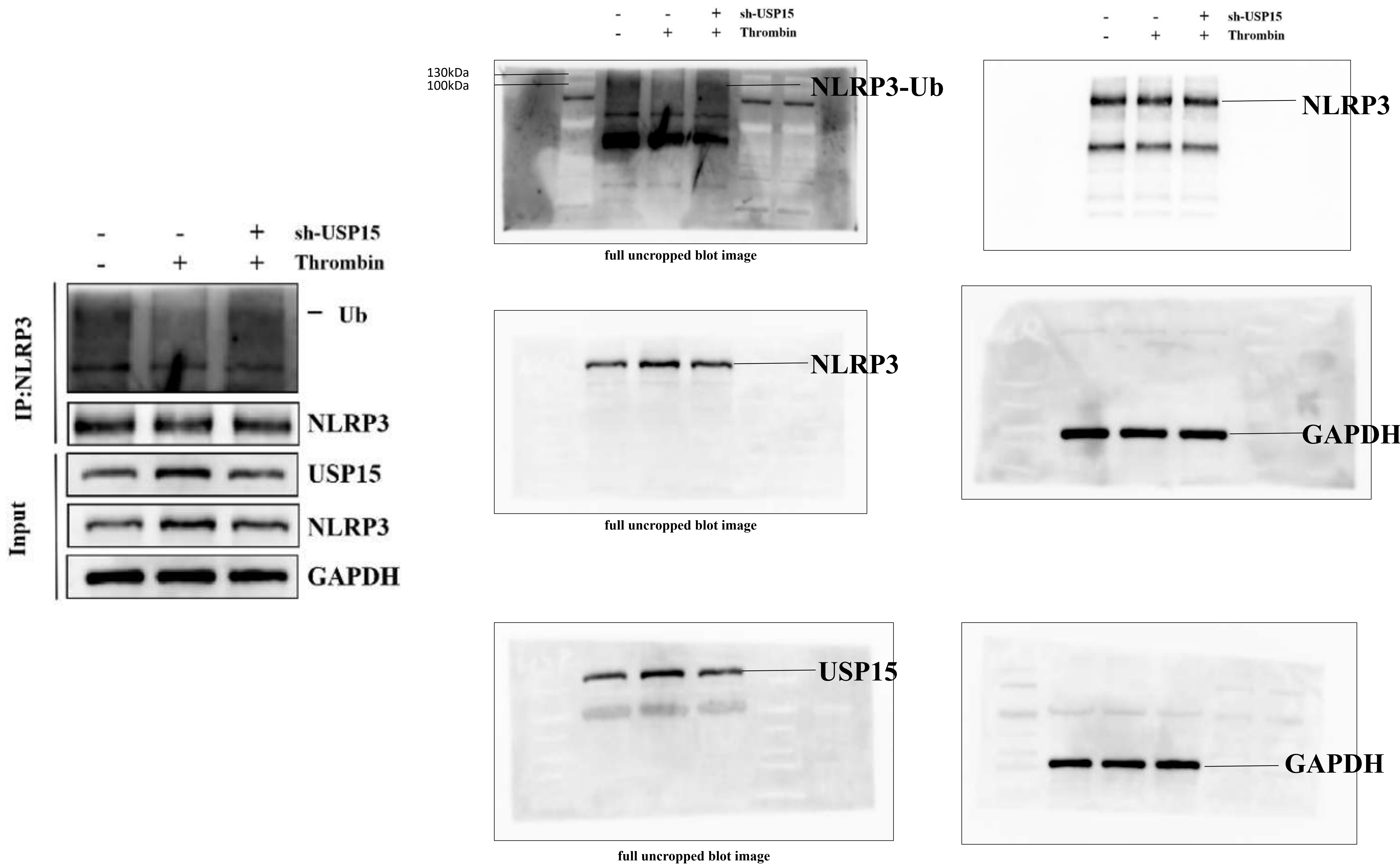


Figure 5K

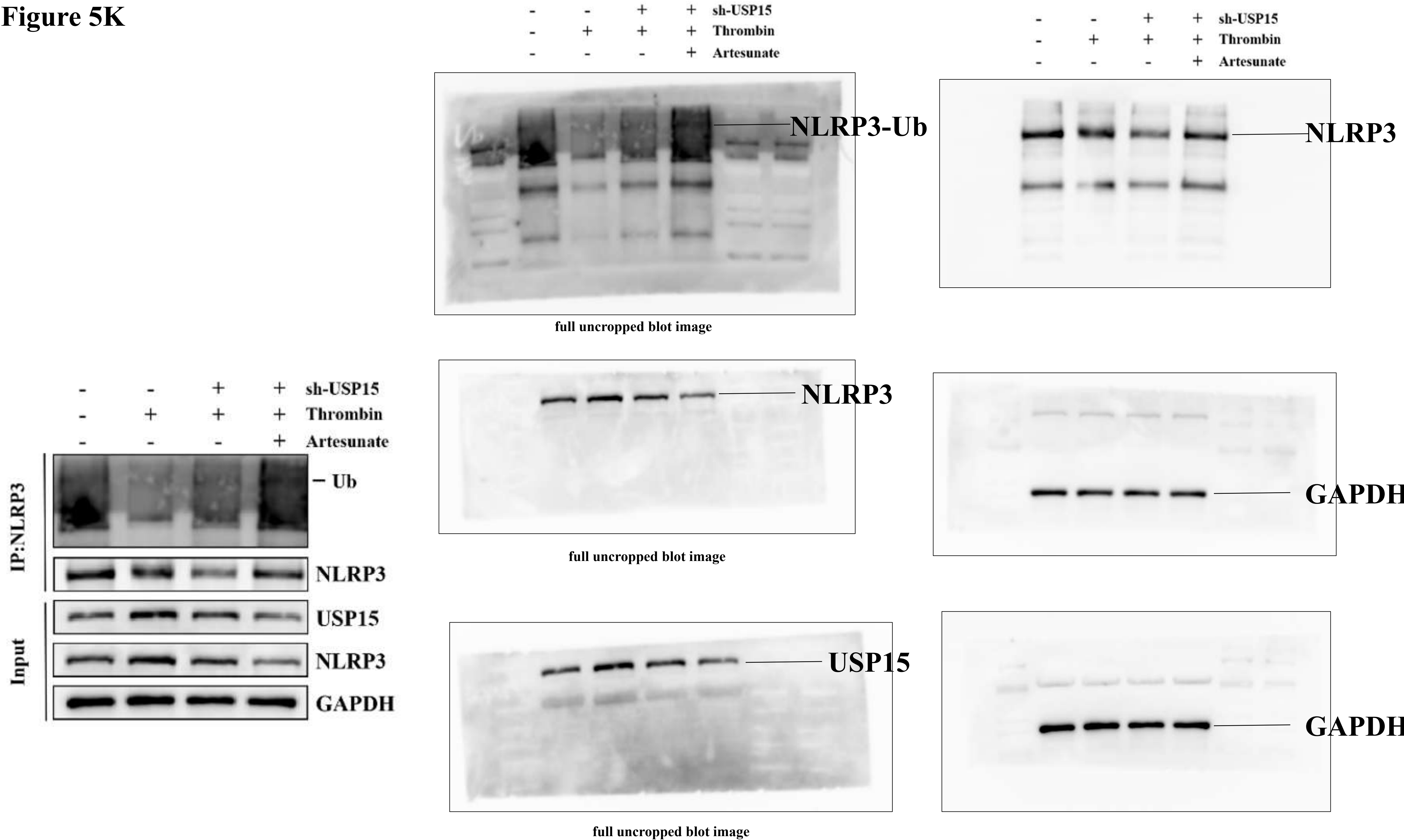


Figure 6C

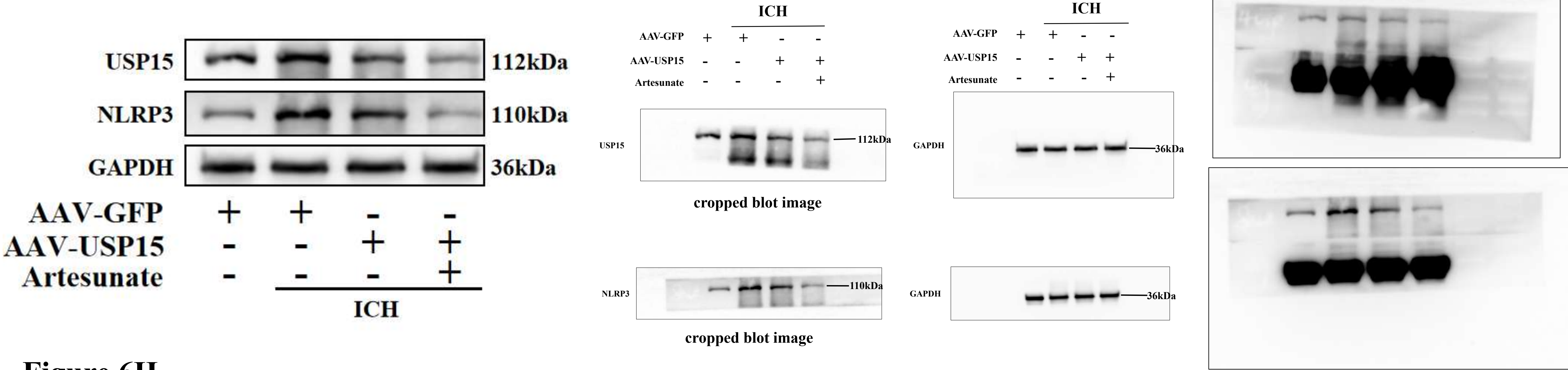


Figure 6H

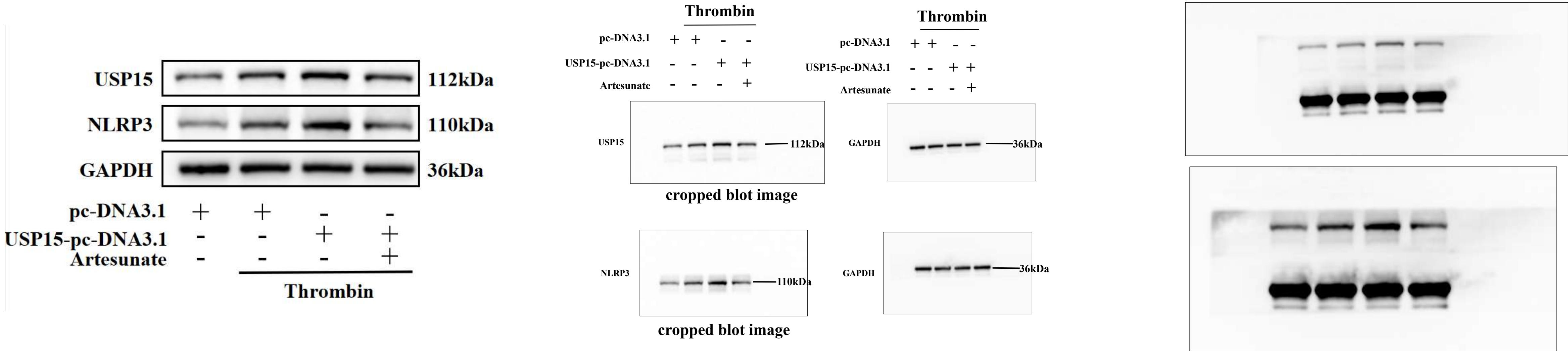
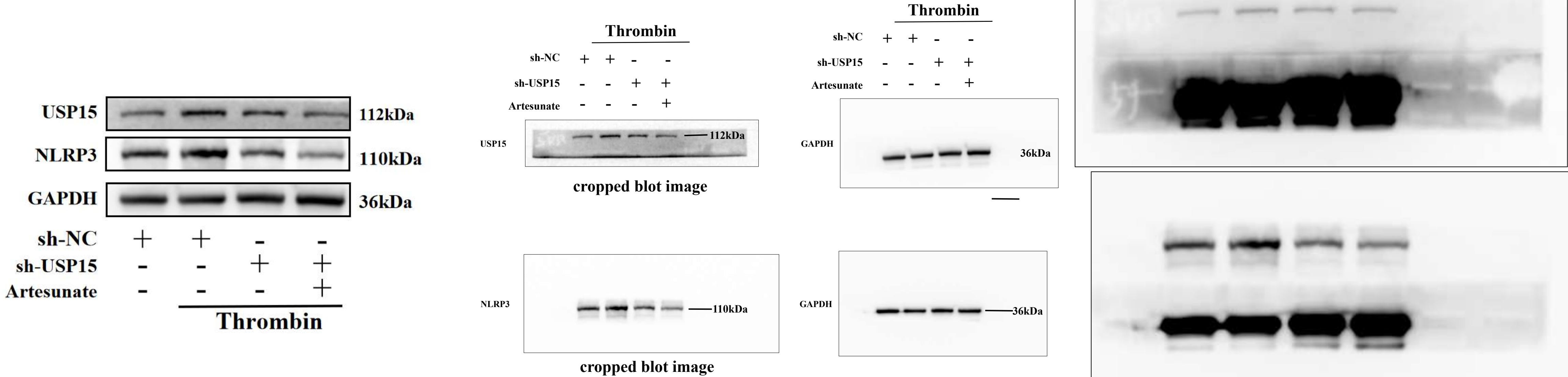
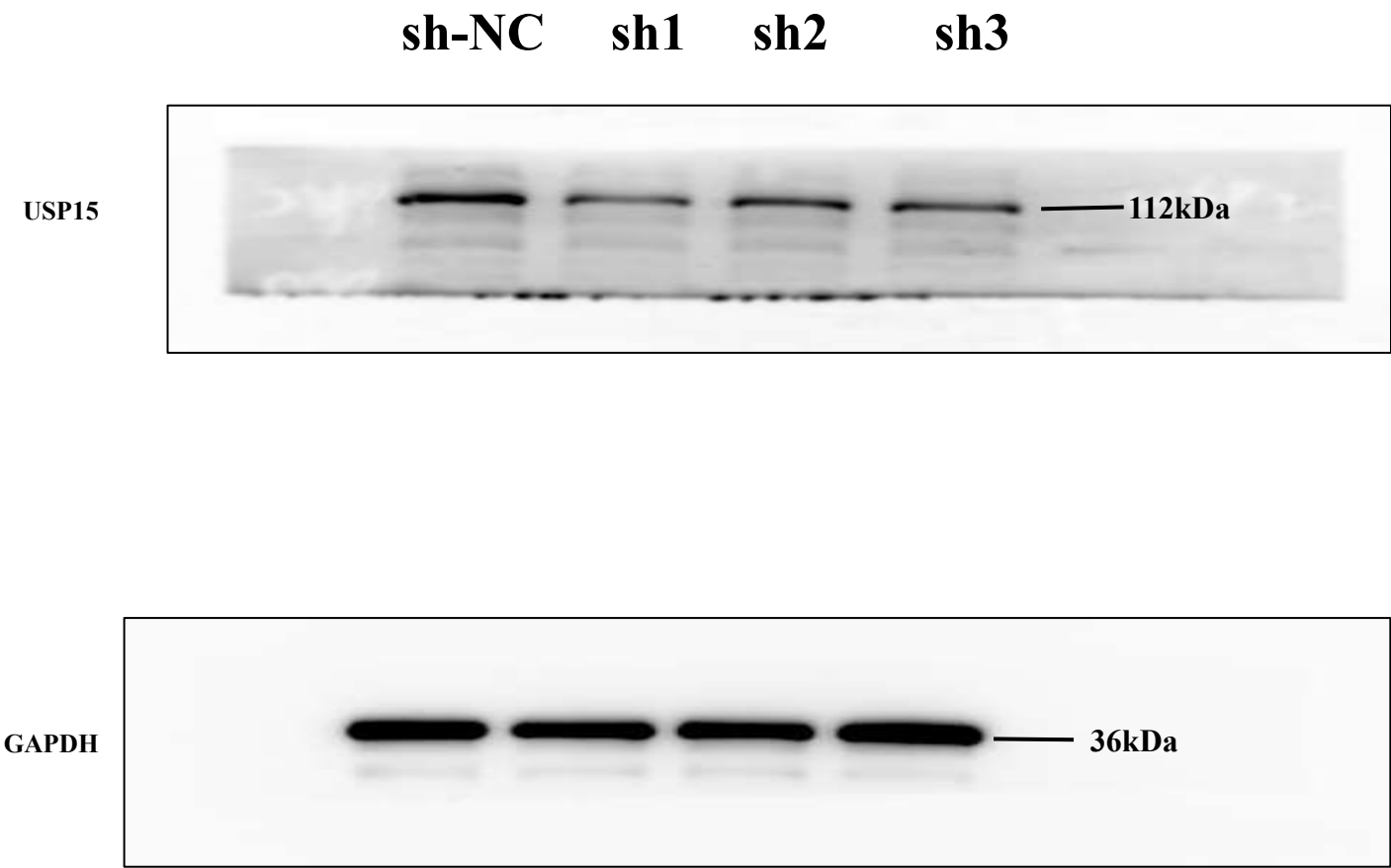
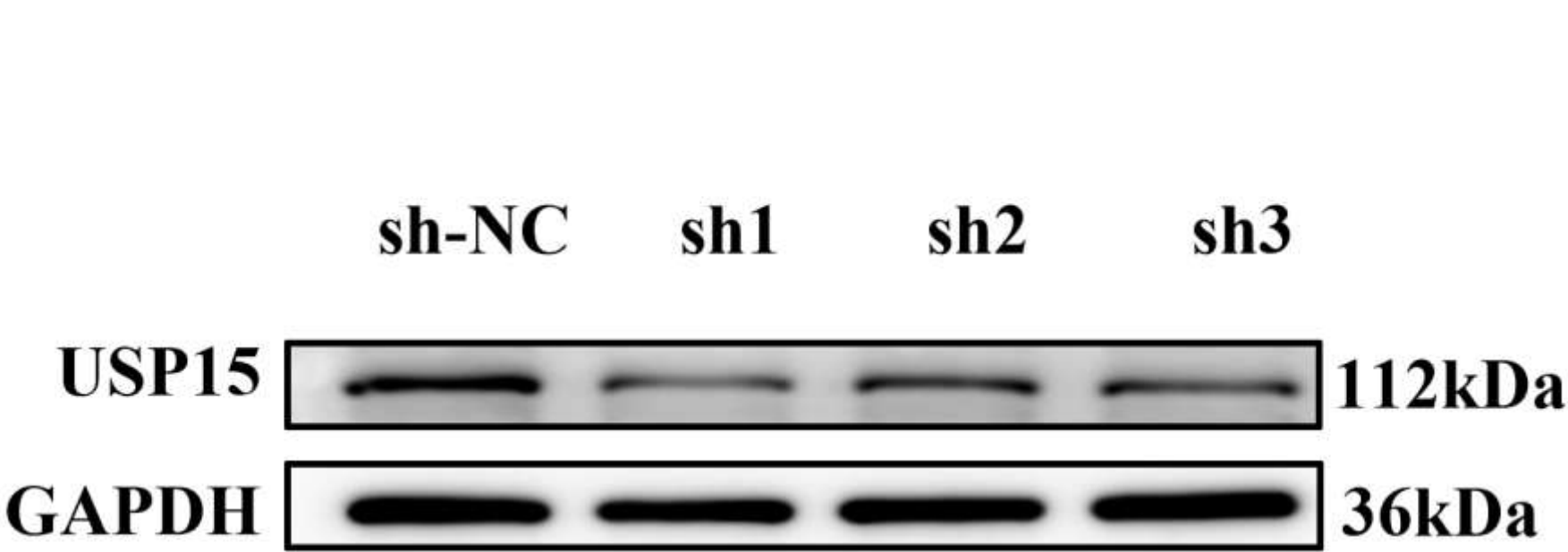


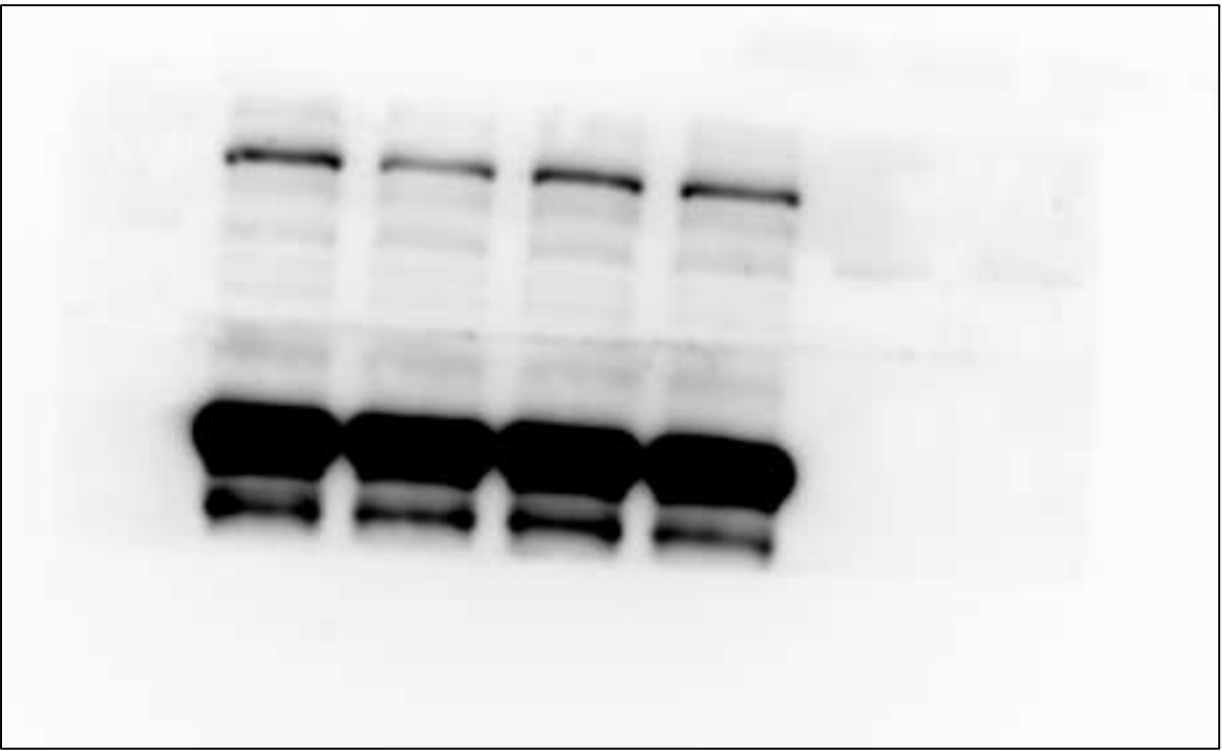
Figure 6M



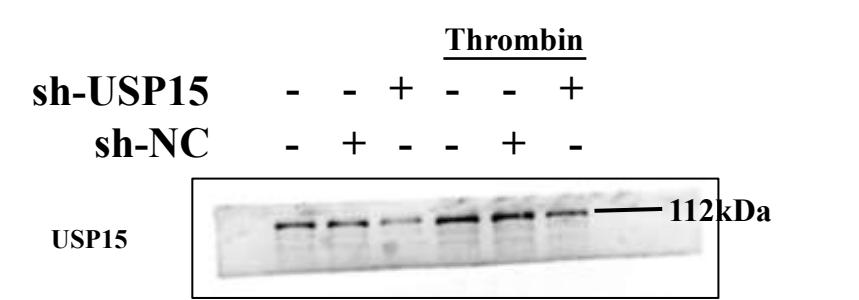
Supplementary Figure 1A



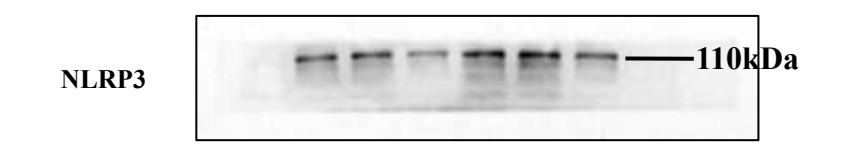
cropped blot image



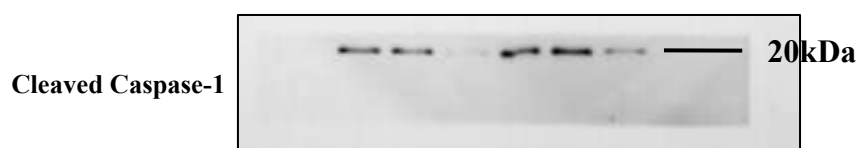
Supplementary Figure 1C



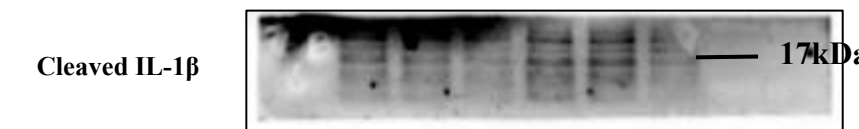
cropped blot image



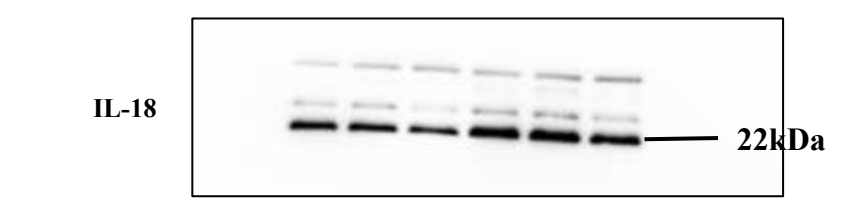
cropped blot image



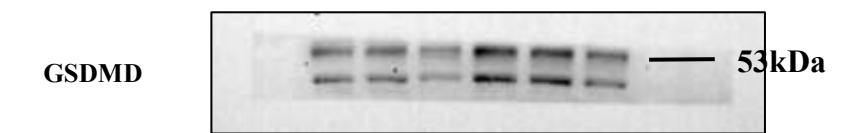
cropped blot image



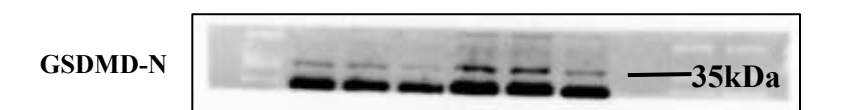
cropped blot image



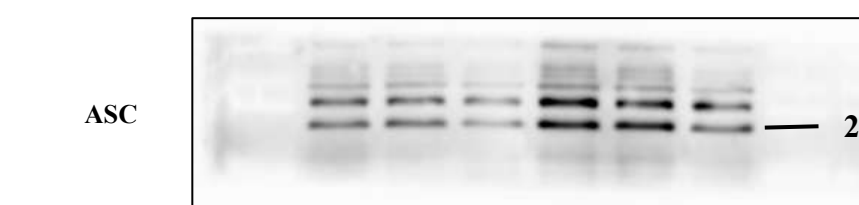
full uncropped blot image



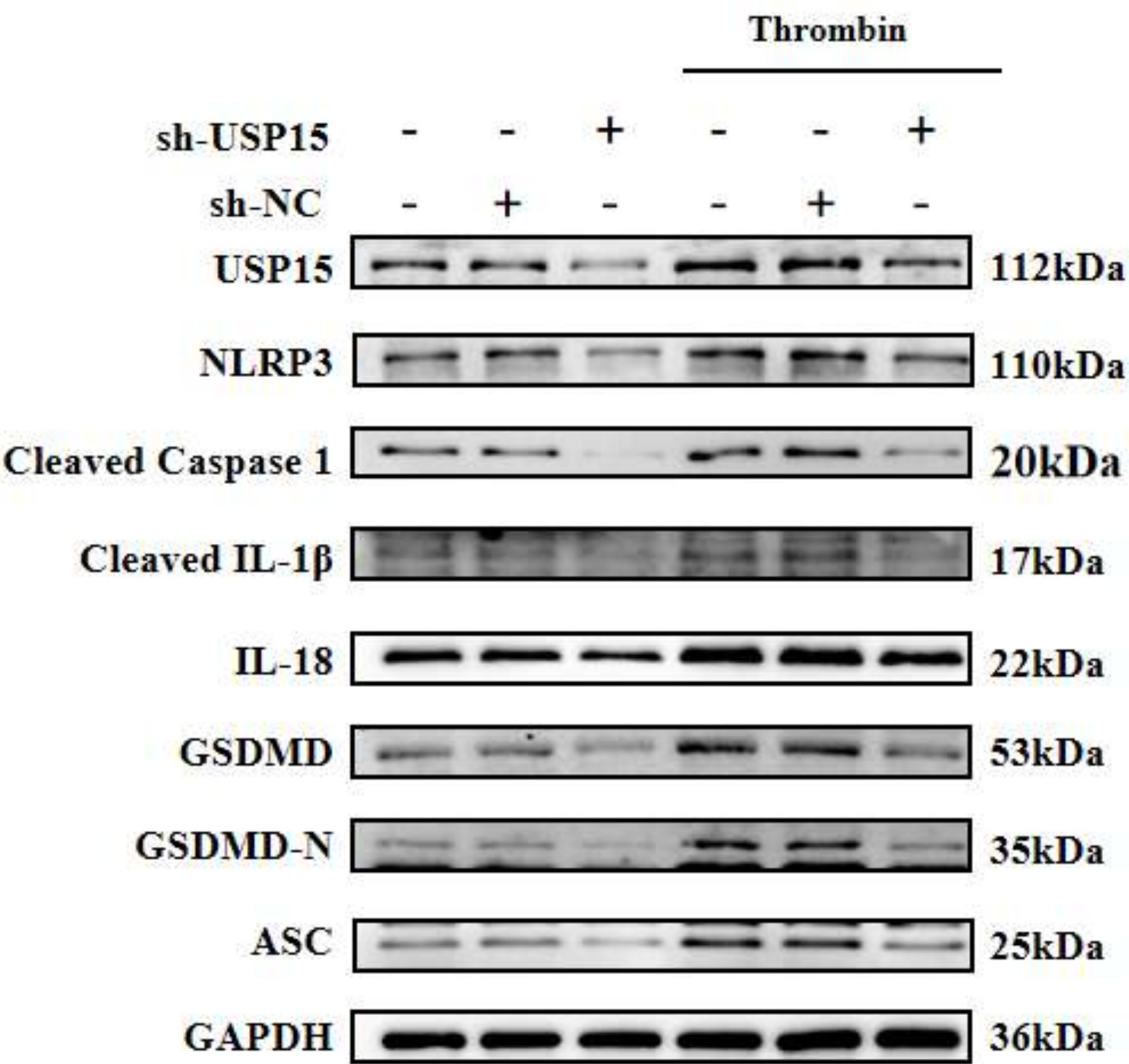
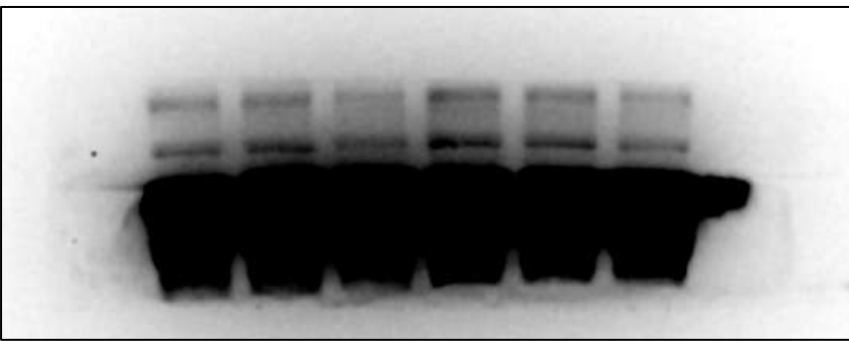
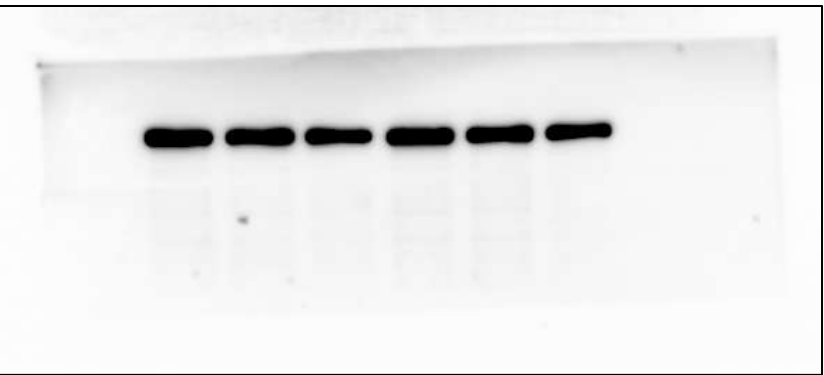
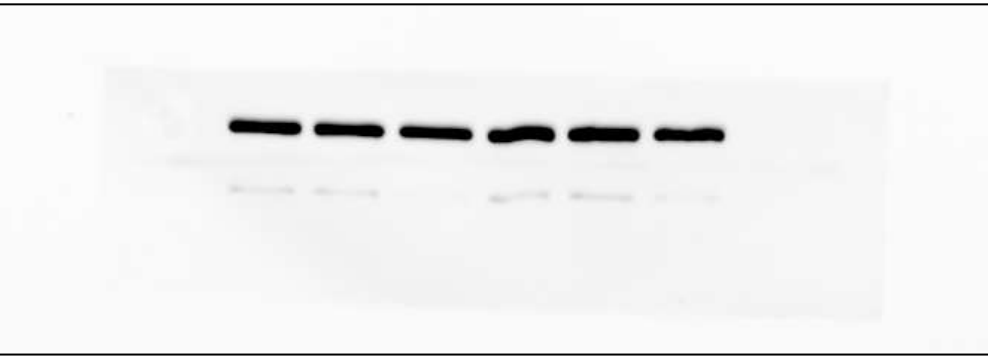
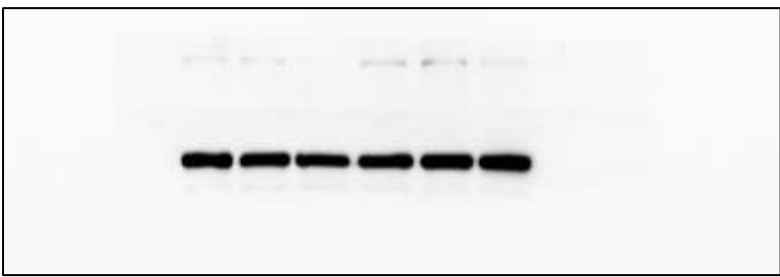
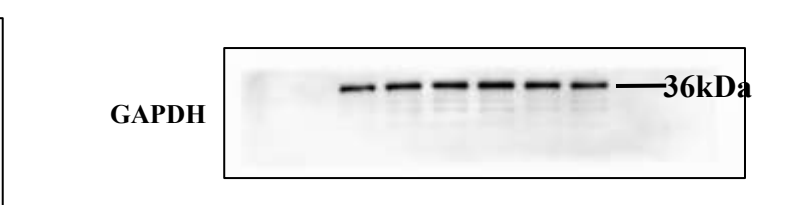
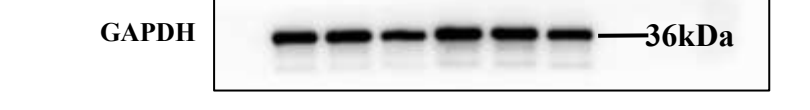
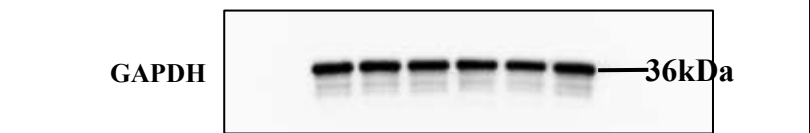
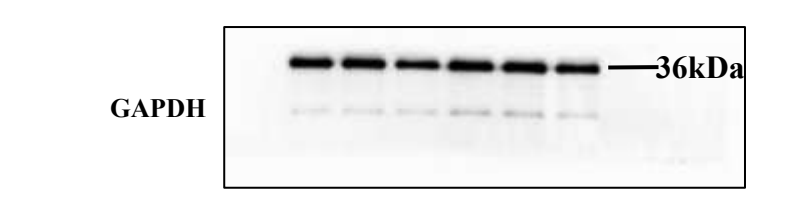
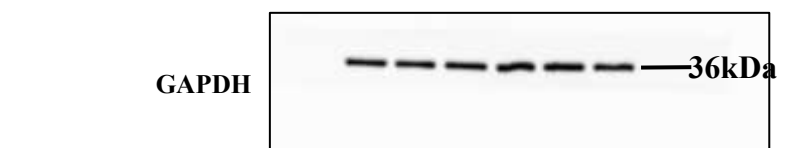
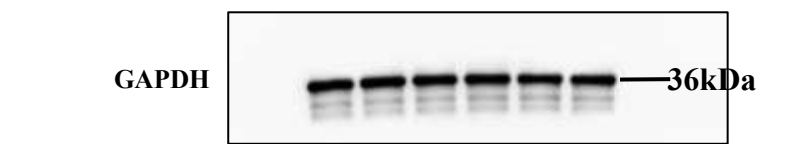
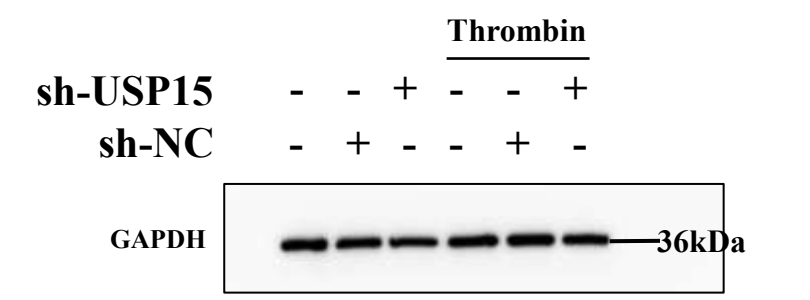
cropped blot image



full uncropped blot image



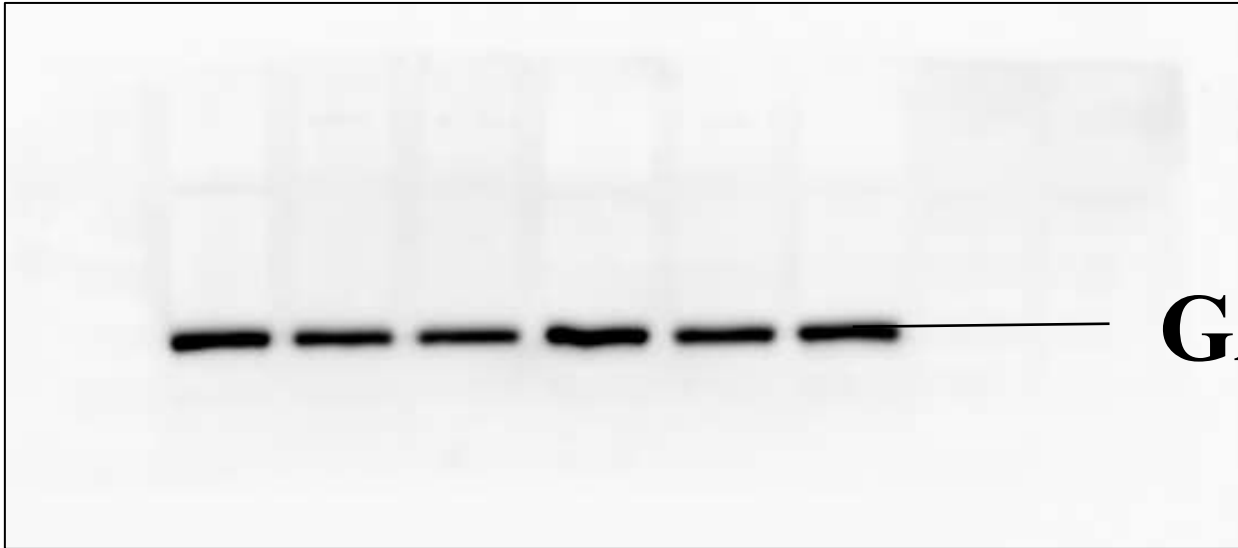
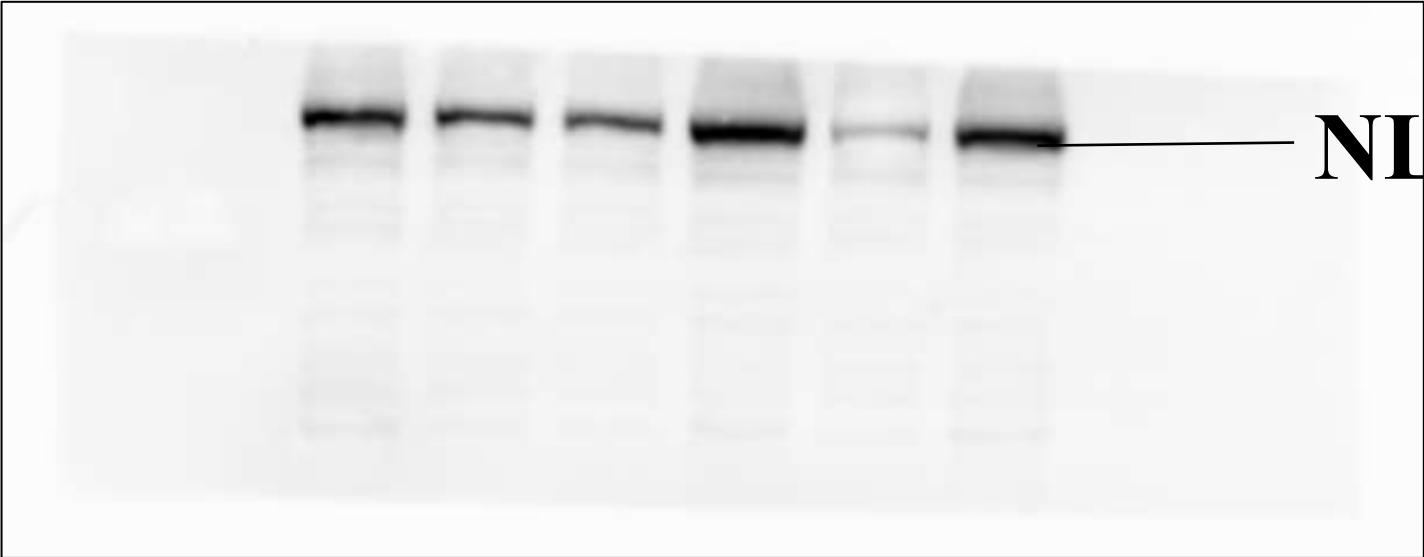
full uncropped blot image



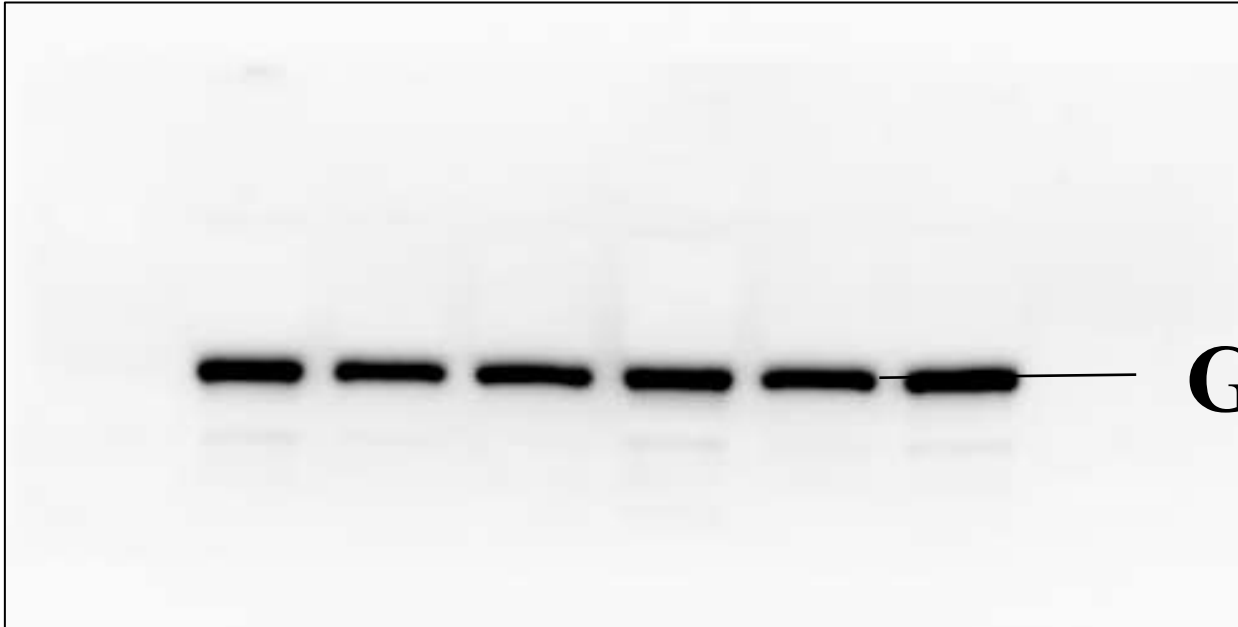
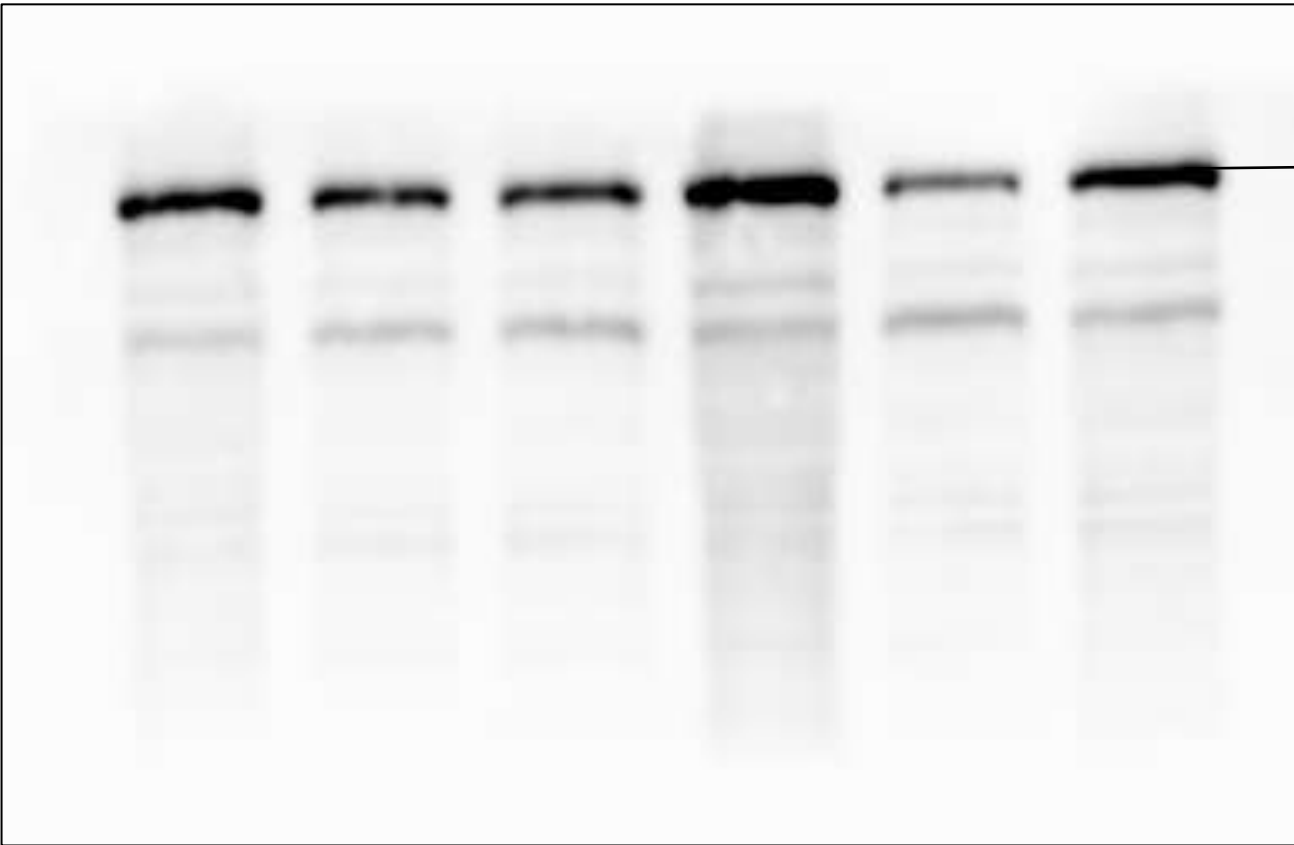
Supplementary Figure 2

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Thrombin        | + | + | + | + | + | + |
| DMSO            | + | - | - | - | - | - |
| Artesunate      | - | + | - | - | + | + |
| sh-USP15        | - | - | + | - | + | - |
| USP15-pc-DNA3.1 | - | - | - | + | - | + |

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Thrombin        | + | + | + | + | + | + |
| DMSO            | + | - | - | - | - | - |
| Artesunate      | - | + | - | - | + | + |
| sh-USP15        | - | - | + | - | + | - |
| USP15-pc-DNA3.1 | - | - | - | + | - | + |



|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Thrombin        | + | + | + | + | + | + |
| DMSO            | + | - | - | - | - | - |
| Artesunate      | - | + | - | - | + | + |
| sh-USP15        | - | - | + | - | + | - |
| USP15-pc-DNA3.1 | - | - | - | + | - | + |



full uncropped blot image