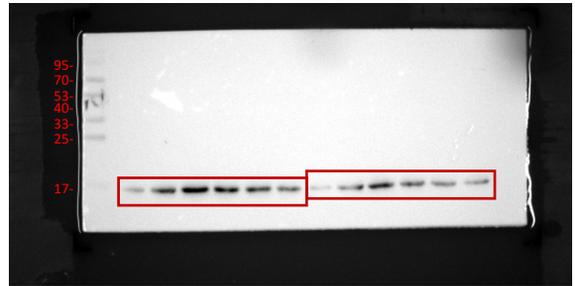
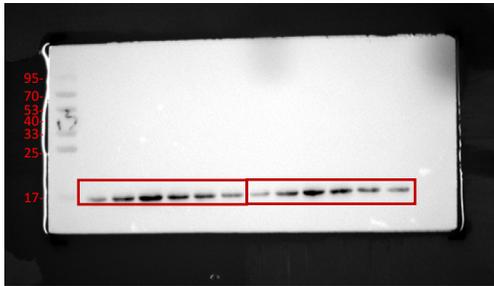


# Supplementary Materials

## Unedited Immunoblots

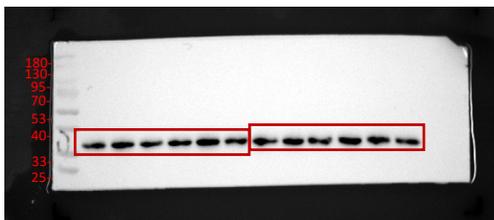
Full unedited blot for Figure 3A: FUNDC1 17kDa



Full unedited blot for Figure 3A: IP3R2 308kDa



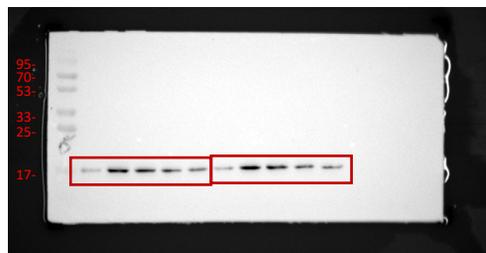
Full unedited blot for Figure 3A: GAPDH 37kDa



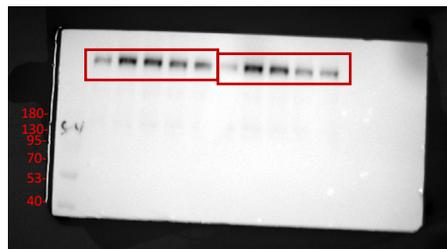
# Supplementary Materials

## Unedited Immunoblots

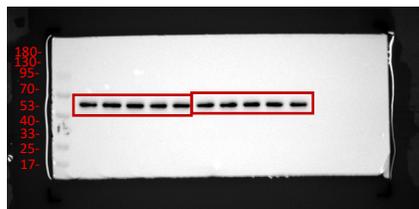
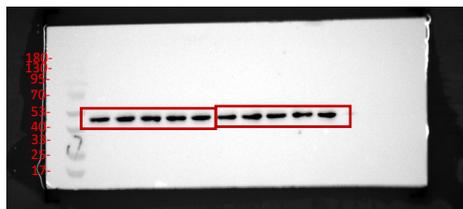
Full unedited blot for Figure 3B: FUNDC1 17kDa



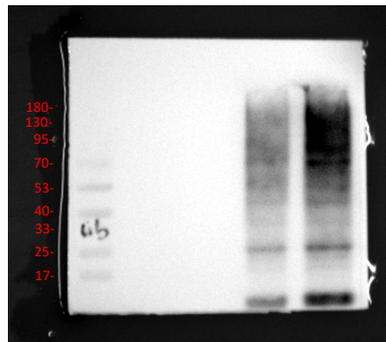
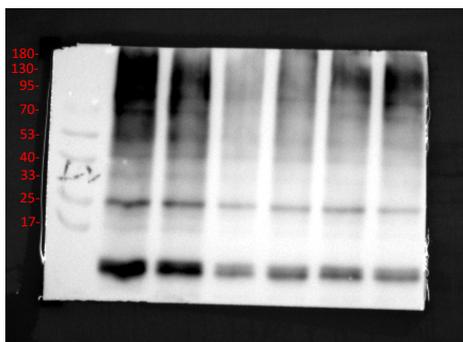
Full unedited blot for Figure 3B: IP3R2 308kDa



Full unedited blot for Figure 3B: Calreticulin 37kDa



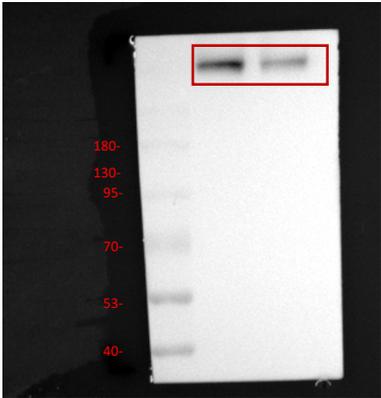
Full unedited blot for Figure 3C and 3D: ubiquitination of IP3R2



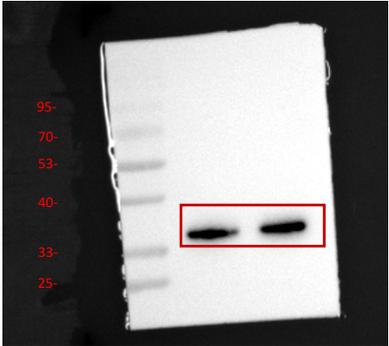
**Supplementary Materials**

**Unedited Immunoblots**

**Full unedited blot for Figure 3D: IP3R2 308kDa**



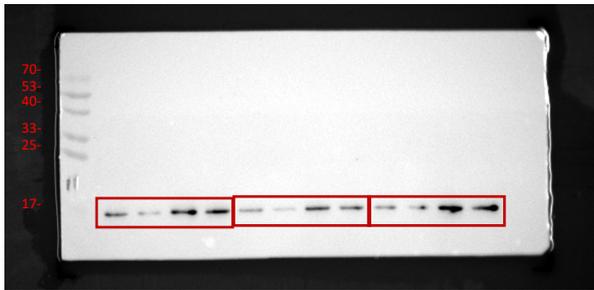
**Full unedited blot for Figure 3D: GAPDH 37kDa**



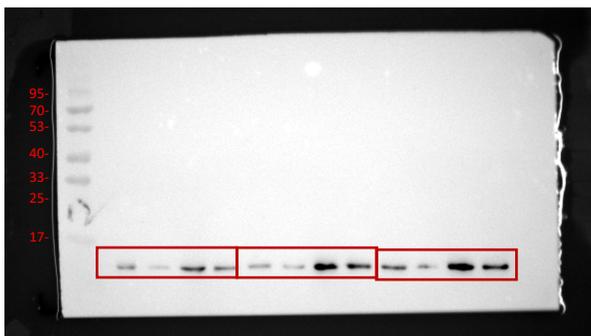
# Supplementary Materials

## Unedited Immunoblots

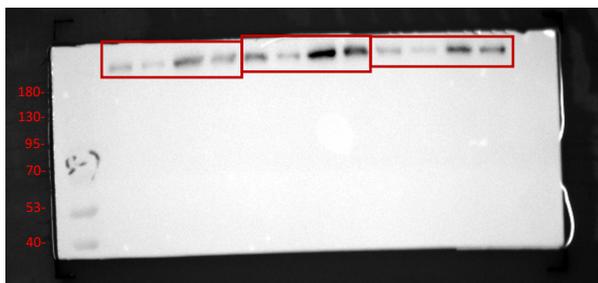
Full unedited blot for Figure 4A: ANP 17kDa



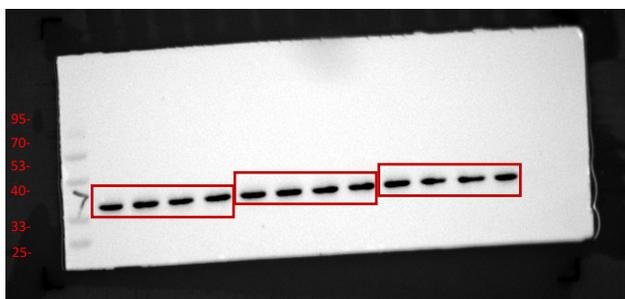
Full unedited blot for Figure 4A: BNP 15kDa



Full unedited blot for Figure 4A:  $\beta$ -MHC 220kDa



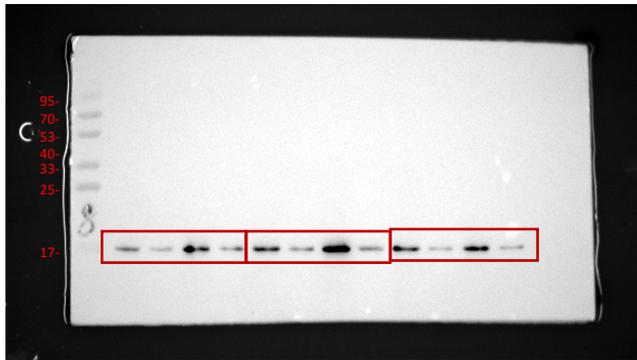
Full unedited blot for Figure 4A: GAPDH 37kDa



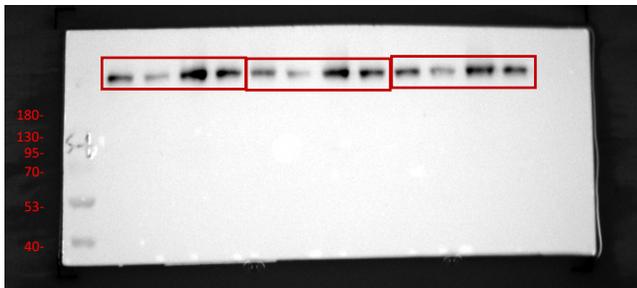
# Supplementary Materials

## Unedited Immunoblots

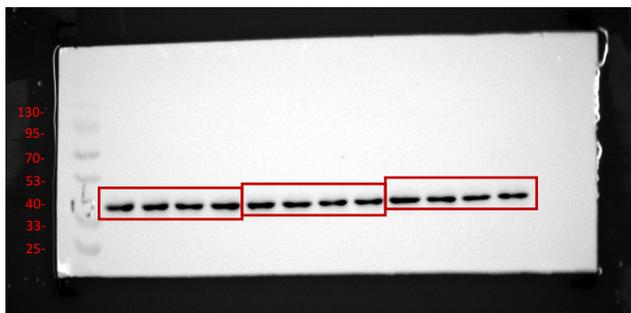
Full unedited blot for Figure 4F: FUNDC1 17kDa



Full unedited blot for Figure 4F: IP3R2 308kDa



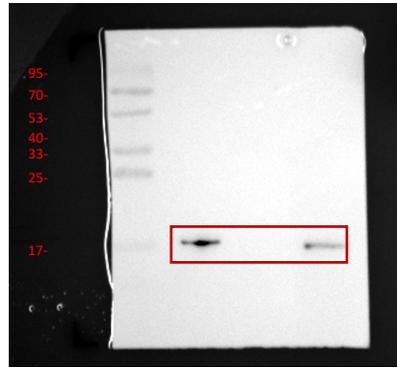
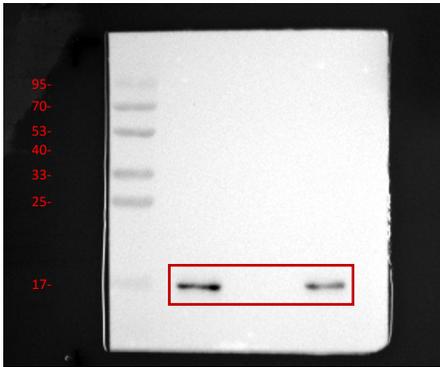
Full unedited blot for Figure 4F: GAPDH 37kDa



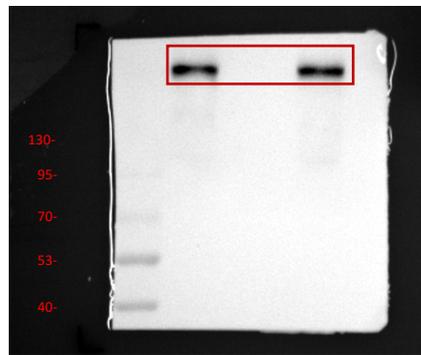
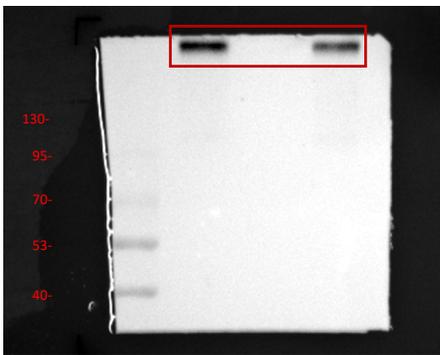
# Supplementary Materials

## Unedited Immunoblots

Full unedited blot for Figure 4G: FUNDC1 17kDa



Full unedited blot for Figure 4G: IP3R2 308kDa



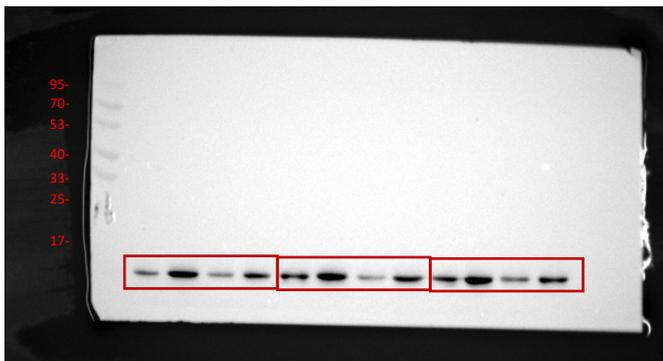
# Supplementary Materials

## Unedited Immunoblots

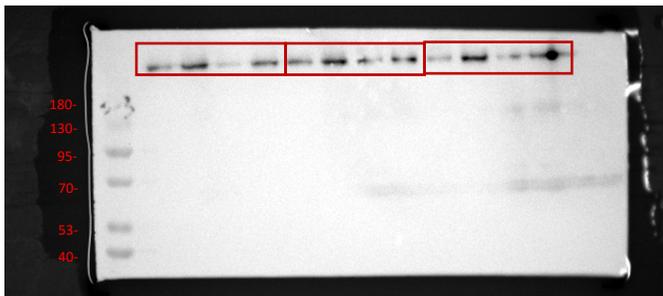
Full unedited blot for Figure 5A: ANP 17kDa



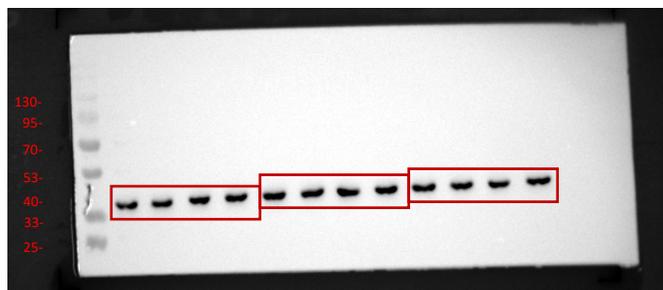
Full unedited blot for Figure 5A: BNP 15kDa



Full unedited blot for Figure 5A:  $\beta$ -MHC 220kDa



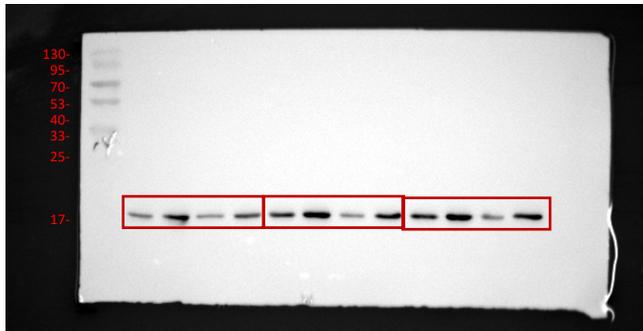
Full unedited blot for Figure 5A: GAPDH 37kDa



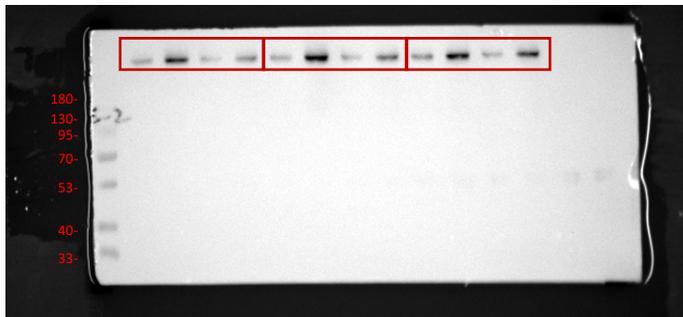
# Supplementary Materials

## Unedited Immunoblots

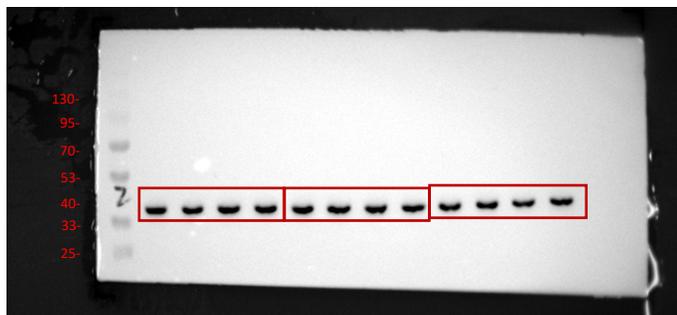
Full unedited blot for Figure 5E: FUNDC1 17kDa



Full unedited blot for Figure 5E: IP3R2 308kDa



Full unedited blot for Figure 5E: GAPDH 37kDa



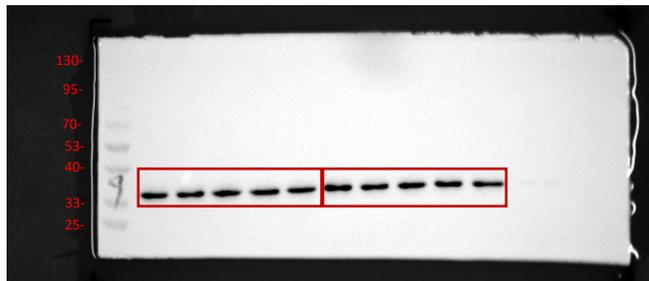
## Supplementary Materials

### Unedited Immunoblots

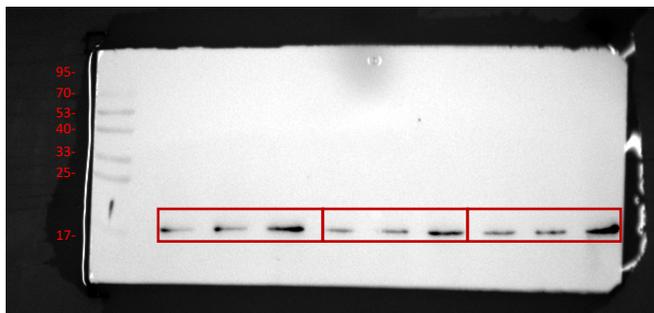
Full unedited blot for Figure S2: FUNDC1 17kDa



Full unedited blot for Figure S2: GAPDH 37kDa



Full unedited blot for Figure S3: FUNDC1 17kDa



Full unedited blot for Figure S3: GAPDH 37kDa

