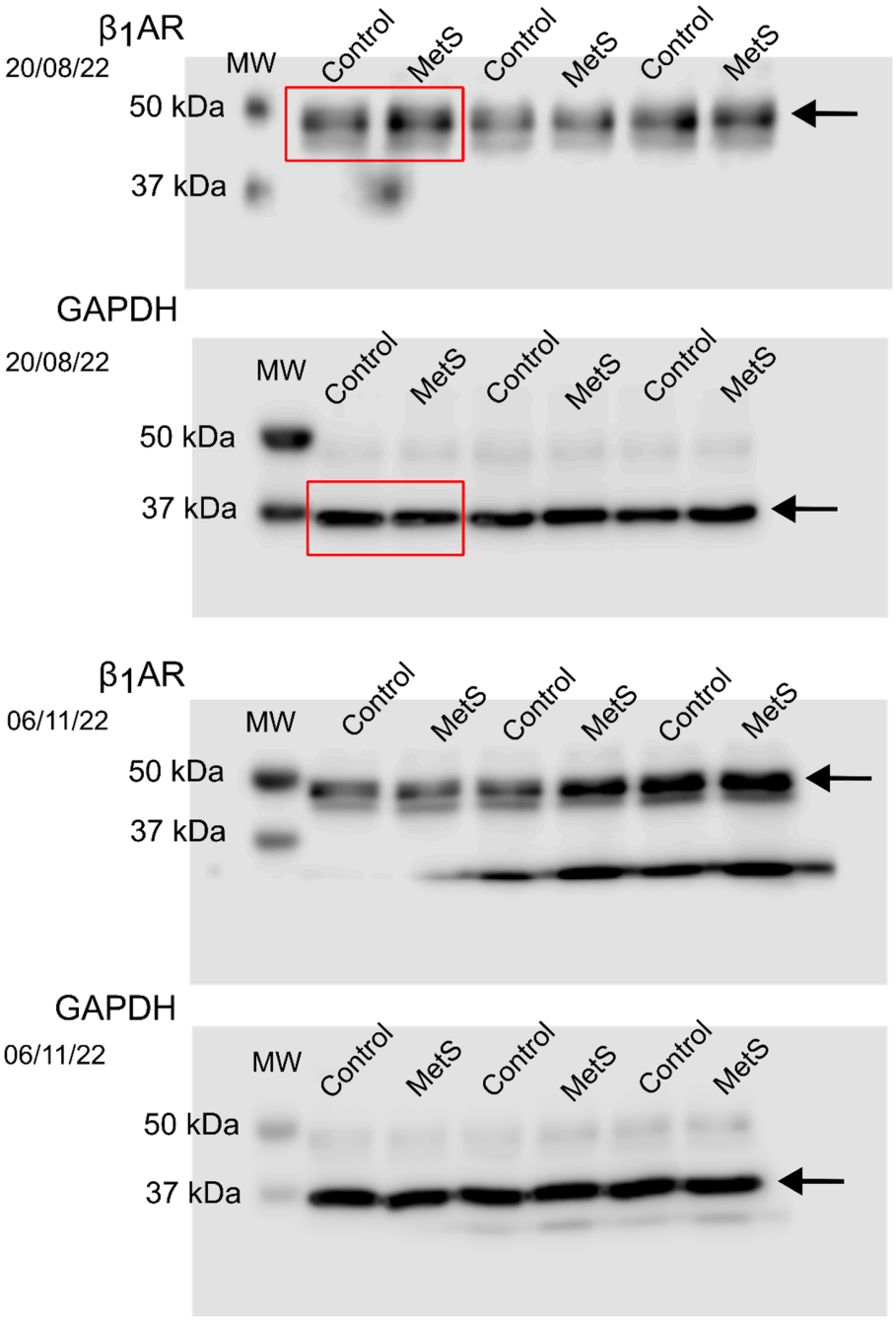
Supplementary File 1. Uncropped Western blots

Altered β-adrenergic system, cardiac dysfunction and lethal arrhythmia in a rat model of Metabolic Syndrome.

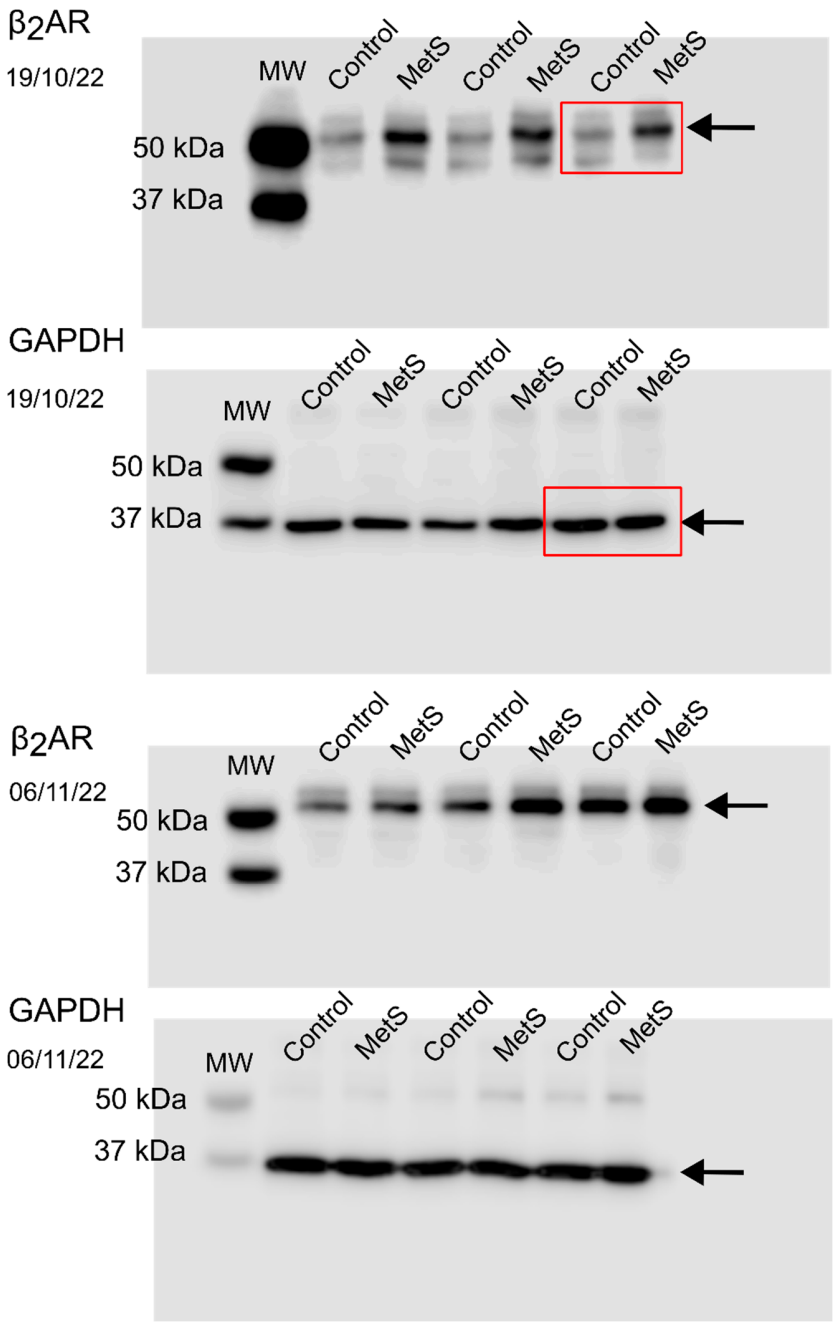
Original images for representative blots shown in Figure 7 and Figure 8 of manuscript.

1. Blots of the β1AR and control load (GAPDH) proteins



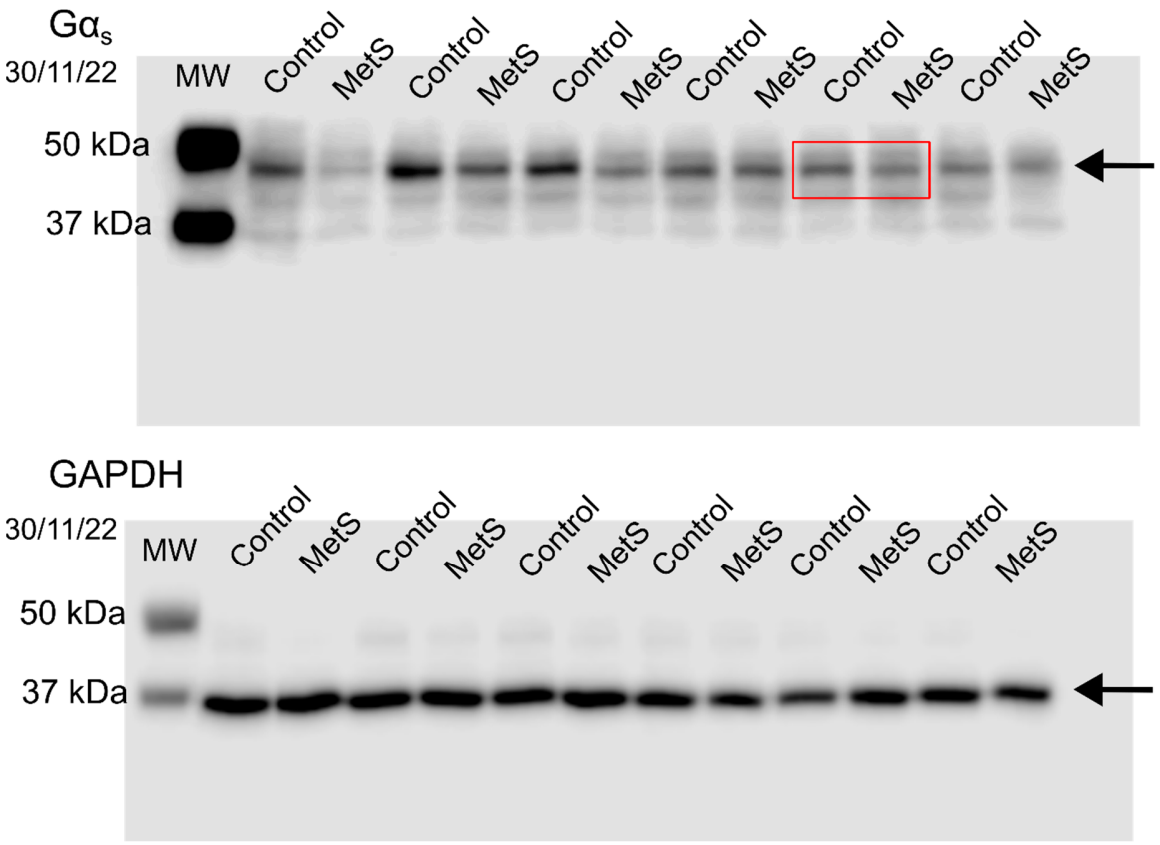
Blot 1 is shown in Figure 7C. The β1AR was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to β1AR. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

2. Blots of the β2AR and control load (GAPDH) proteins



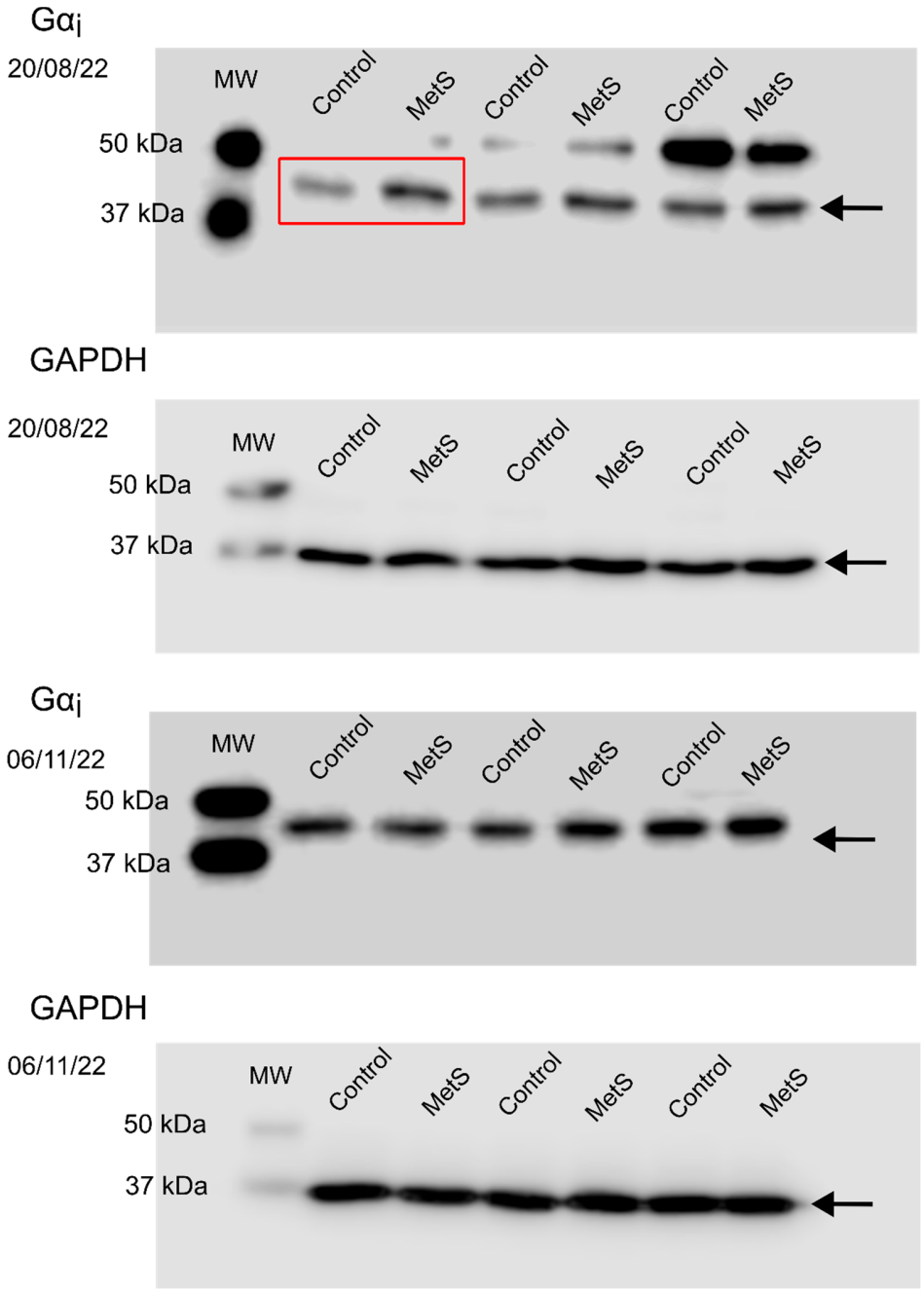
Blot 2 is shown in Figure 7D. The β2AR was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to β2AR. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

3. Blots of the Gαs and control load (GAPDH) proteins



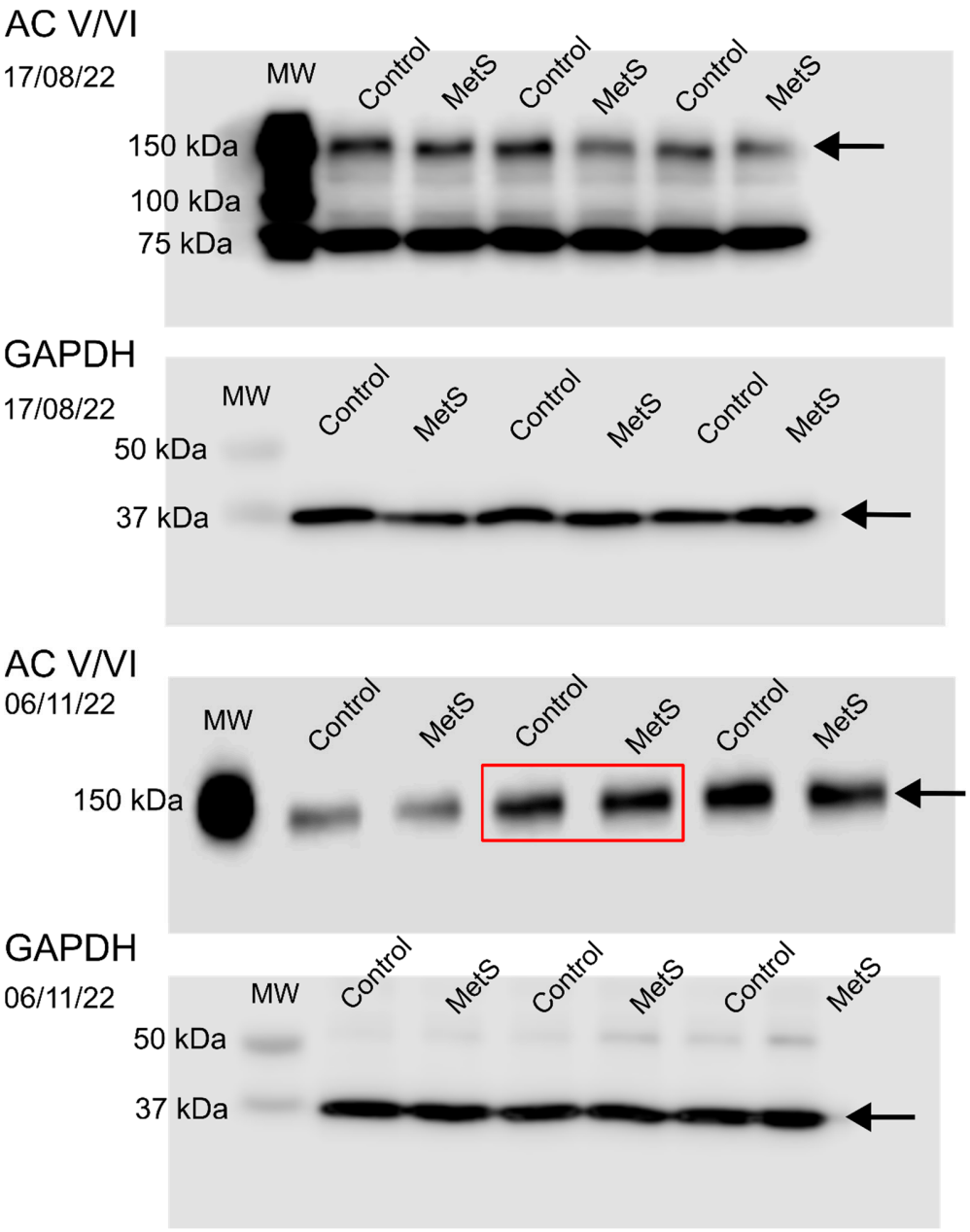
Blot 3 is shown in Figure 8A. The Gαs was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to Gαs. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

4. Blots of the Gαi and control load (GAPDH) proteins



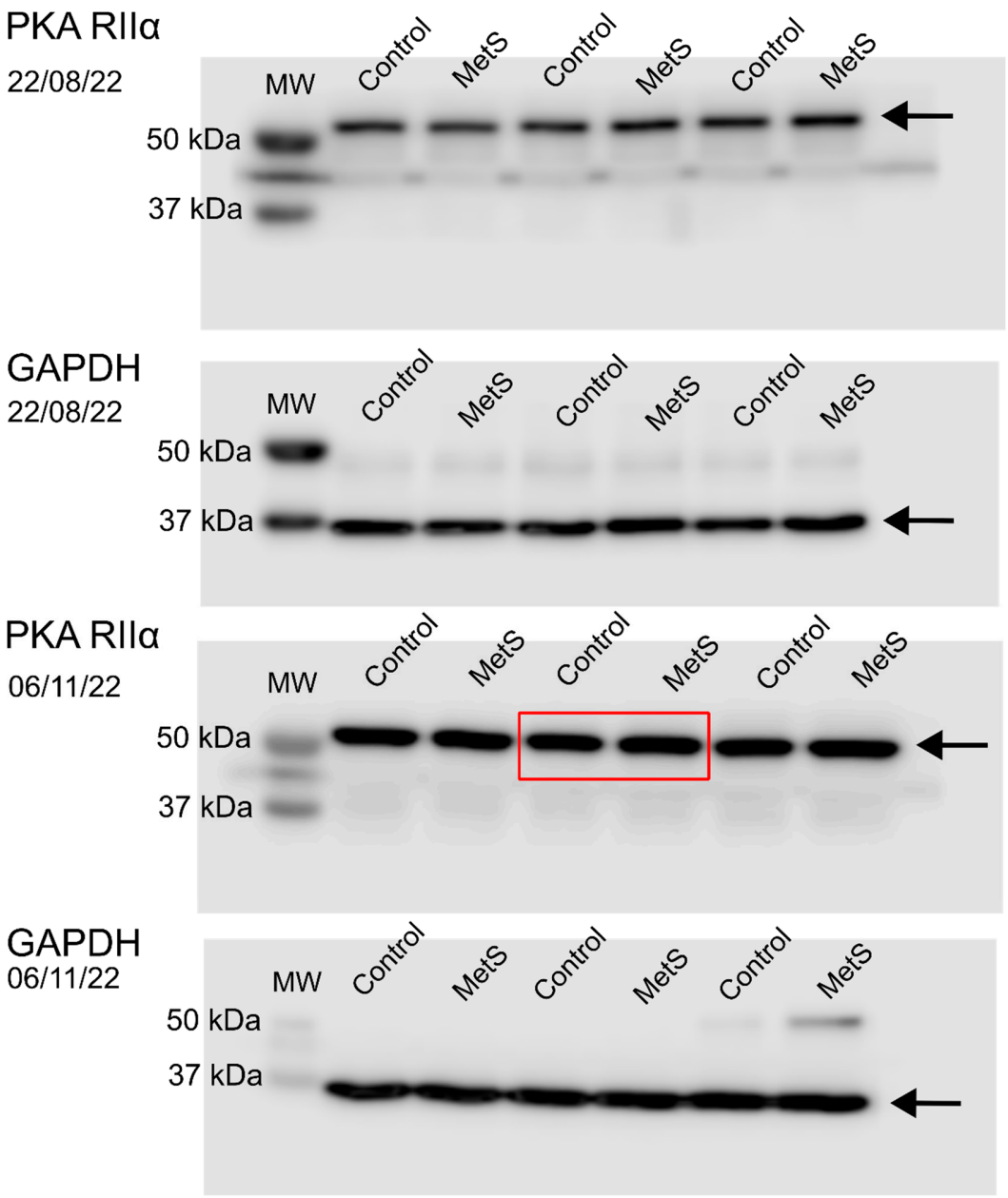
Blot 4 is shown in Figure 8A. The Gαi was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to Gαi. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

5. Blots of AC-V/VI and control load (GAPDH) proteins



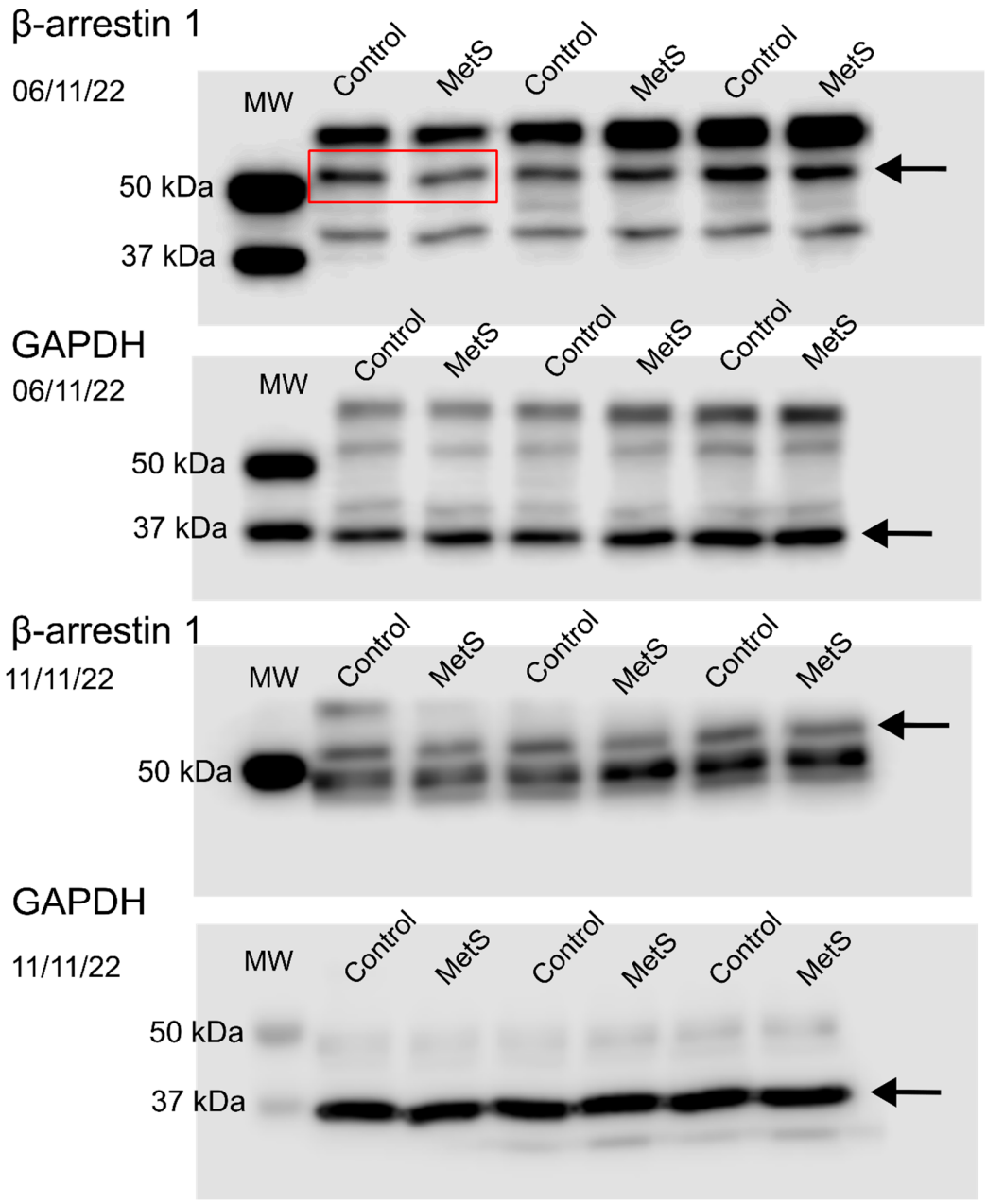
Blot 5 is shown in Figure 8A. The AC V/VI was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to AC V/VI. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

6. Blots of PKA RII*α* and control load (GAPDH) proteins



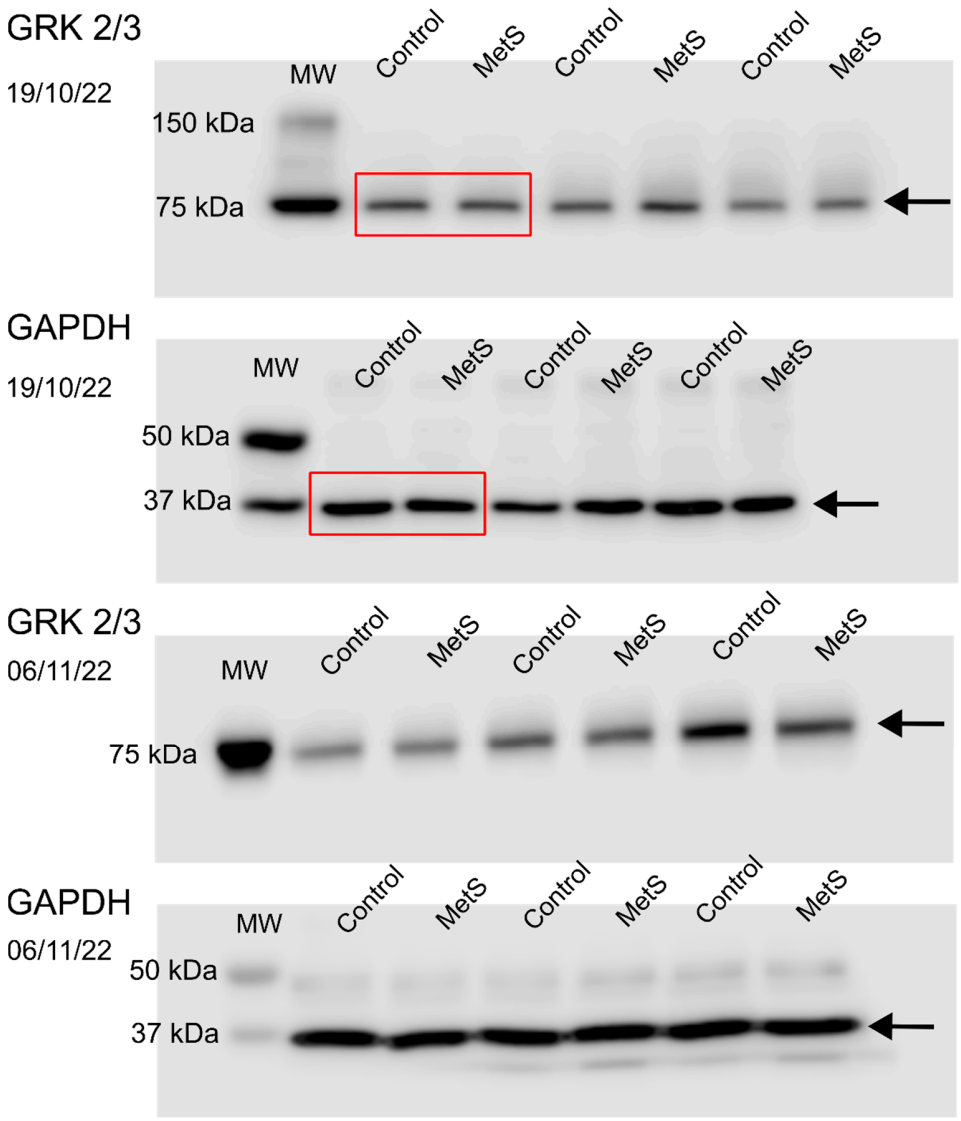
Blot 6 is shown in Figure 8A. The PKA RII*α* was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to PKA RIIα. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

7. Blots of β-arrestin 1 and control load (GAPDH) proteins



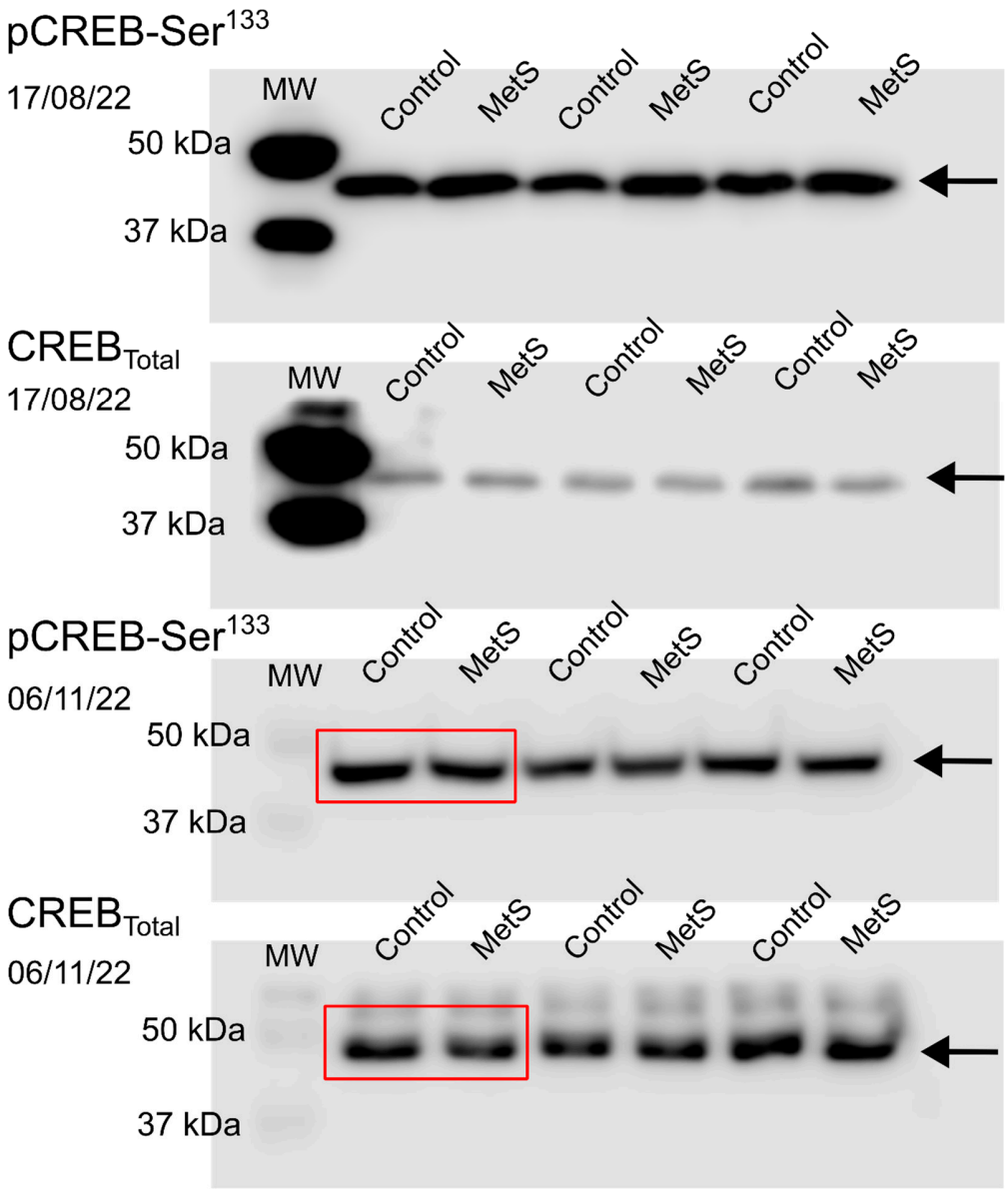
Blot 7 is shown in Figure 8A. The β-arrestin 1 was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to β-arrestin 1. GAPDH was used as loading control. Equal amounts of protein (10 μg protein) were loaded.

8. Blots of GRK2/3 and control load (GAPDH) proteins



Blot 8 is shown in Figure 8A. The GRK 2/3 was detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to GRK 2/3. GAPDH was used as loading control. Equal amounts of protein (10 µg protein) were loaded.

9. Blots of pCREB-Ser^{133} and CREB$_{Total}$ proteins



Blot 9 is shown in Figure 8H. pCREB-Ser^{133} and CREB$_{Total}$ were detected in LV tissue samples from control and MetS rats, loaded in alternating lanes. Representative blots are highlighted with a red rectangle. Molecular weight markers (MW) are displayed in the leftmost lane. The black arrow indicates the band corresponding to either pCREB-Ser^{133} and CREB$_{Total}$. Equal amounts of protein (10 µg protein) were loaded.