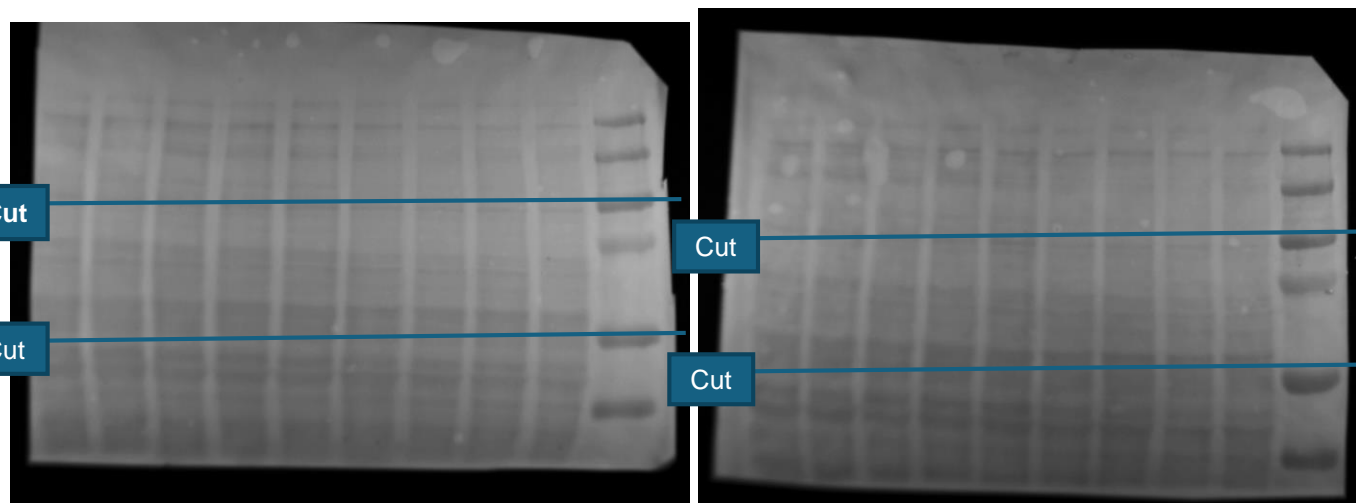
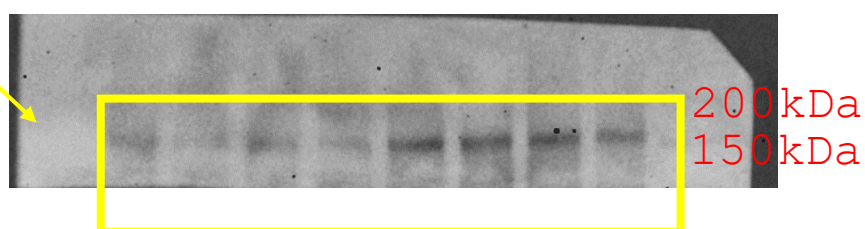


**Suppl. Fig 1.** The images below are the original blots referenced in Figure 5D. Please note that although Membrane 3 (total nNOS and GAPDH) was not used as a representative image, it was used to normalize (yellow square) pNOS, which was also in Membrane 3. The first sample (arrow, control) was not considered for the quantification.

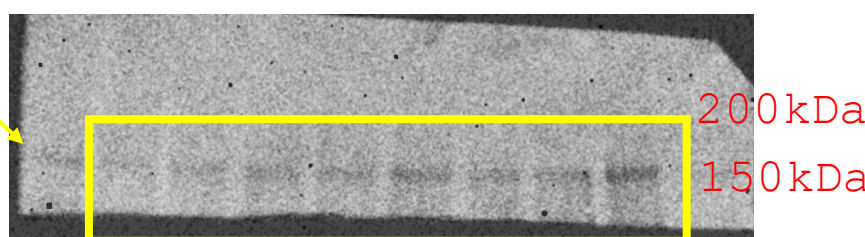
Memb 2 **Total protein** Memb 3



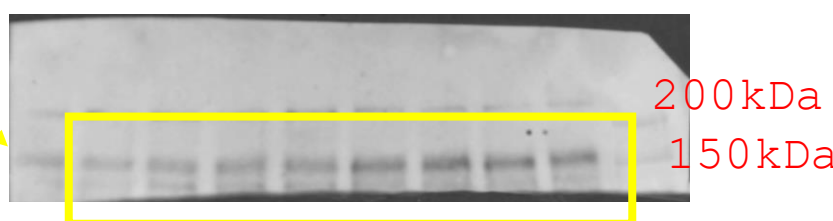
**Vehicle** **Lactate**



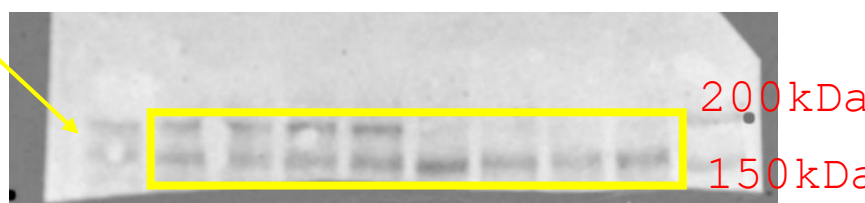
**nNOS<sup>total</sup> (160kDa)**  
*Representative image*



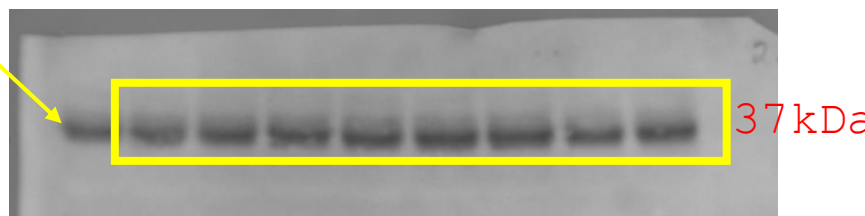
**nNOS<sup>total</sup> (160kDa)**



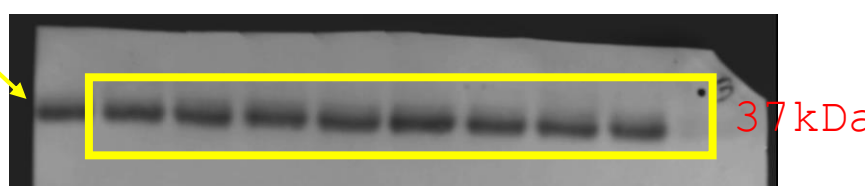
**nNOS<sup>S1417</sup> (160kDa)**  
*Representative image*



**nNOS<sup>S847</sup> (160kDa)**  
*Representative image*



**GAPDH (36kDa)**  
*Representative image*

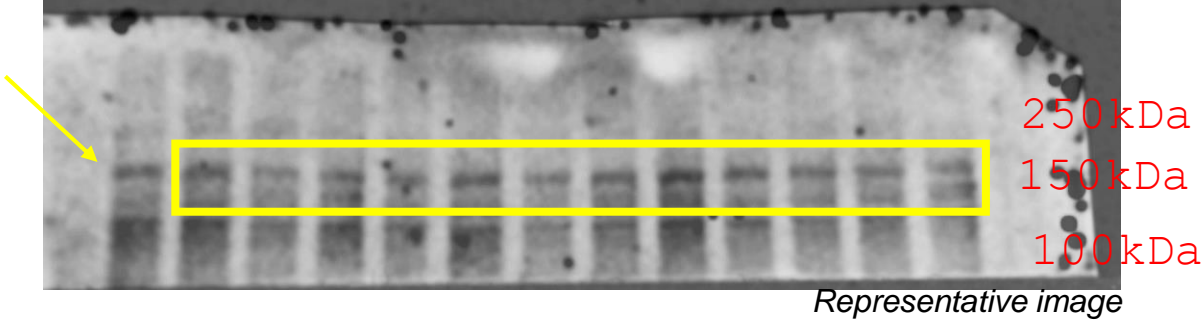


**GAPDH (36kDa)**

**Suppl. Fig 2.** The images below are the original blots referenced in Figure 6A. Please note that the first sample (arrow, control) was not considered for the quantification.

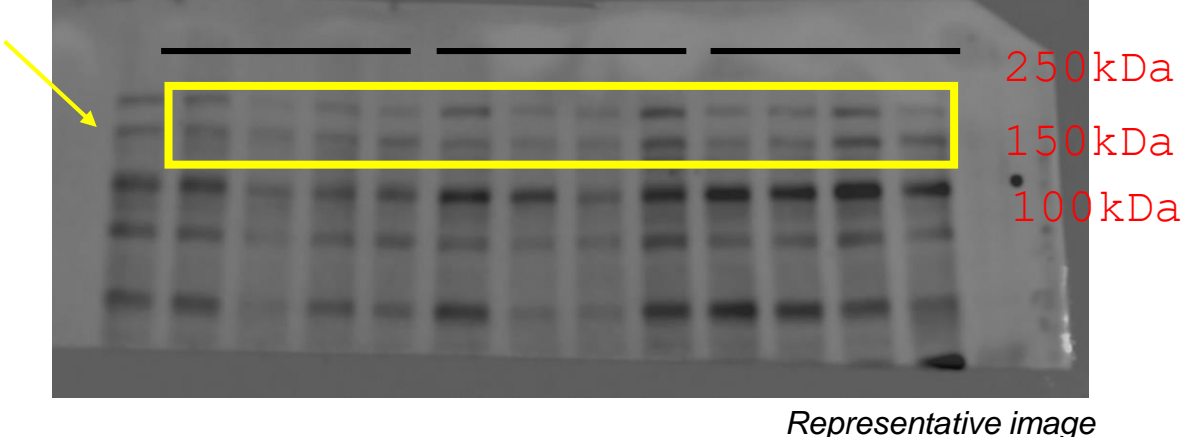
**nNOS Ser<sup>1417</sup> (160kDa)**

**Vehicle      Lactate      Lactate+  
Bay3827**



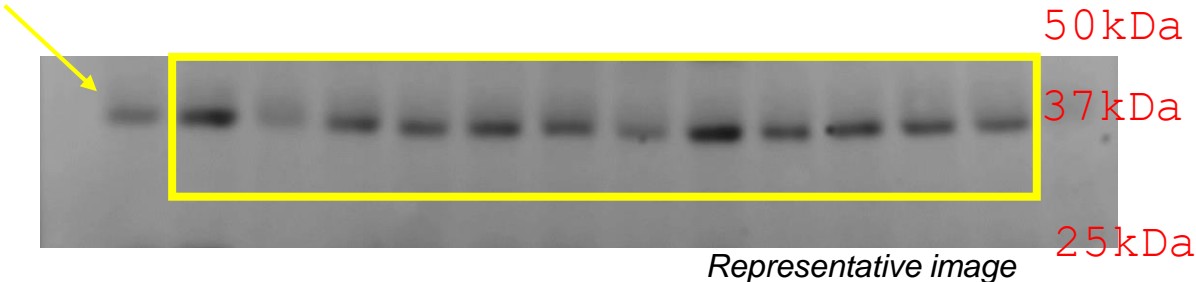
**nNOS<sup>total</sup> (160kDa)**

**Vehicle      Lactate      Lactate+  
Bay3827**



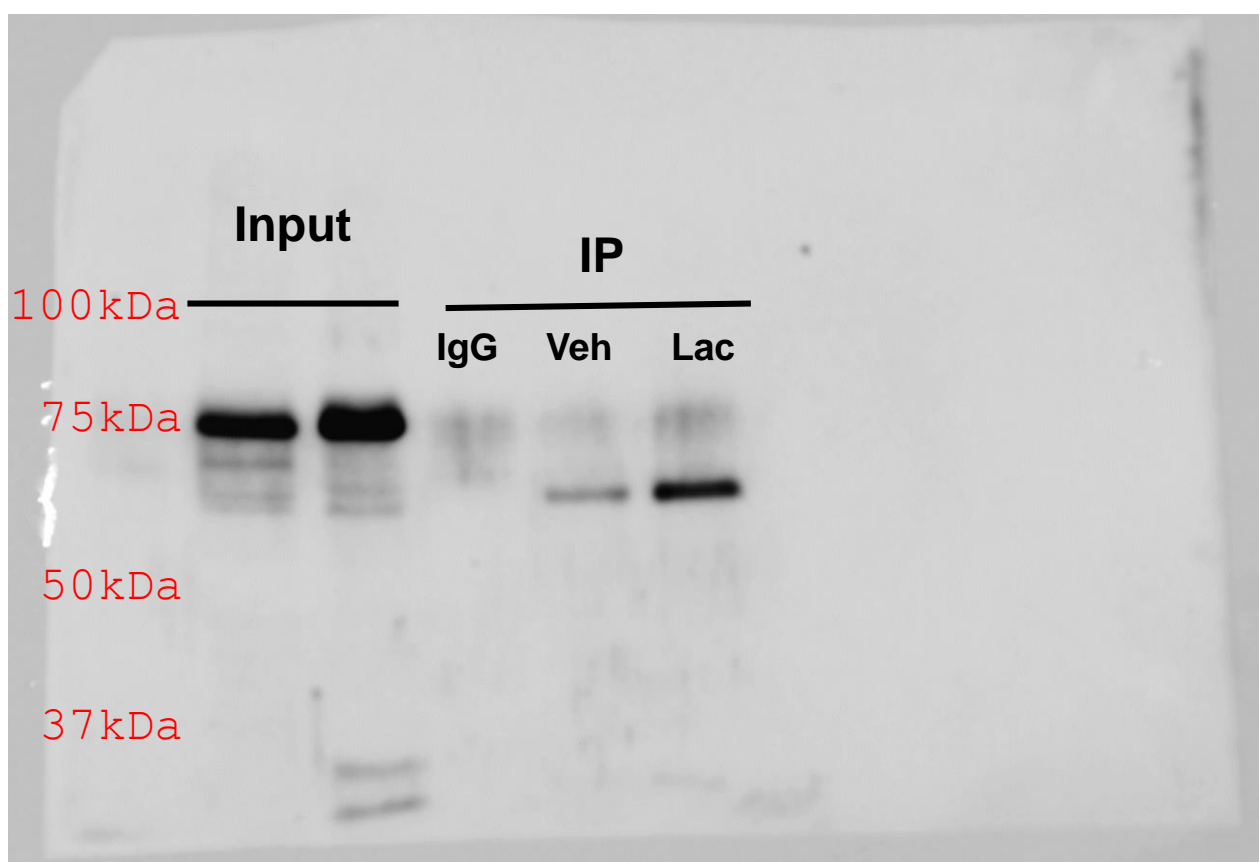
**GAPDH (36kDa)**

**Vehicle      Lactate      Lactate+  
Bay3827**



**Suppl. Fig 3.** The images below are the original blots referenced in Figure 6F.

### AMPK (63 kDa)



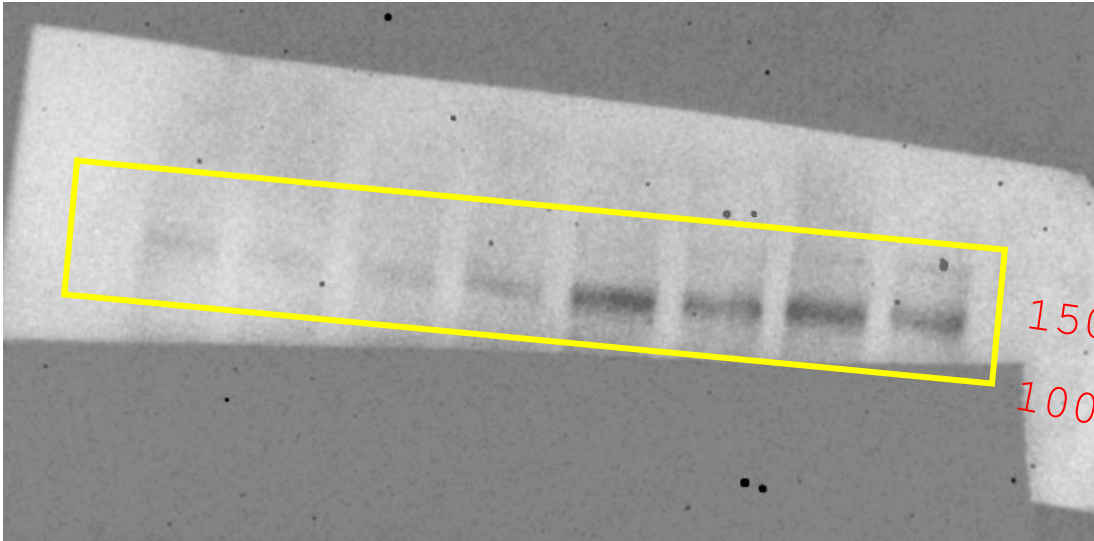
*Representative image*

Suppl. Fig 4. The images below are the original blots referenced in Figure 7B.

### nNOS<sup>total</sup> (160kDa)

**Femoral**

**Carotid**

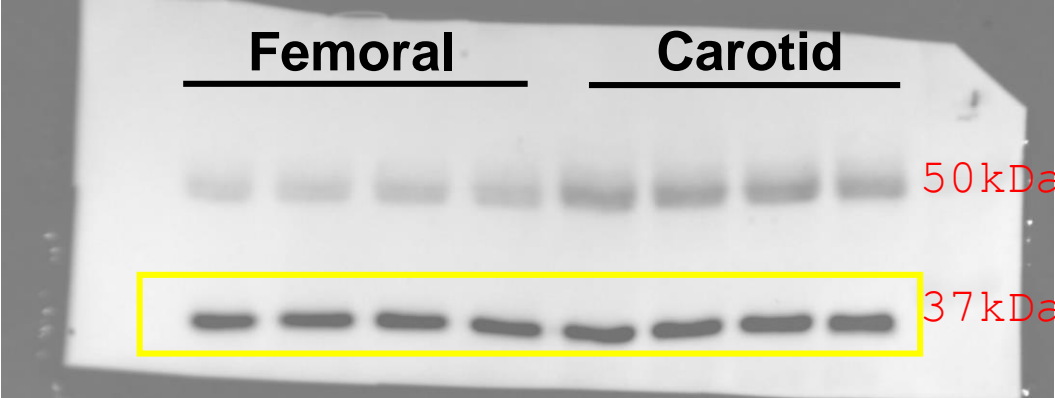


Representative image

### GAPDH (36kDa)

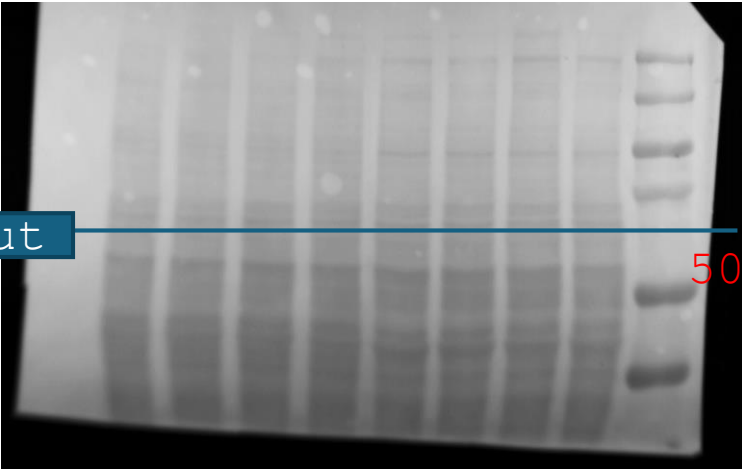
**Femoral**

**Carotid**



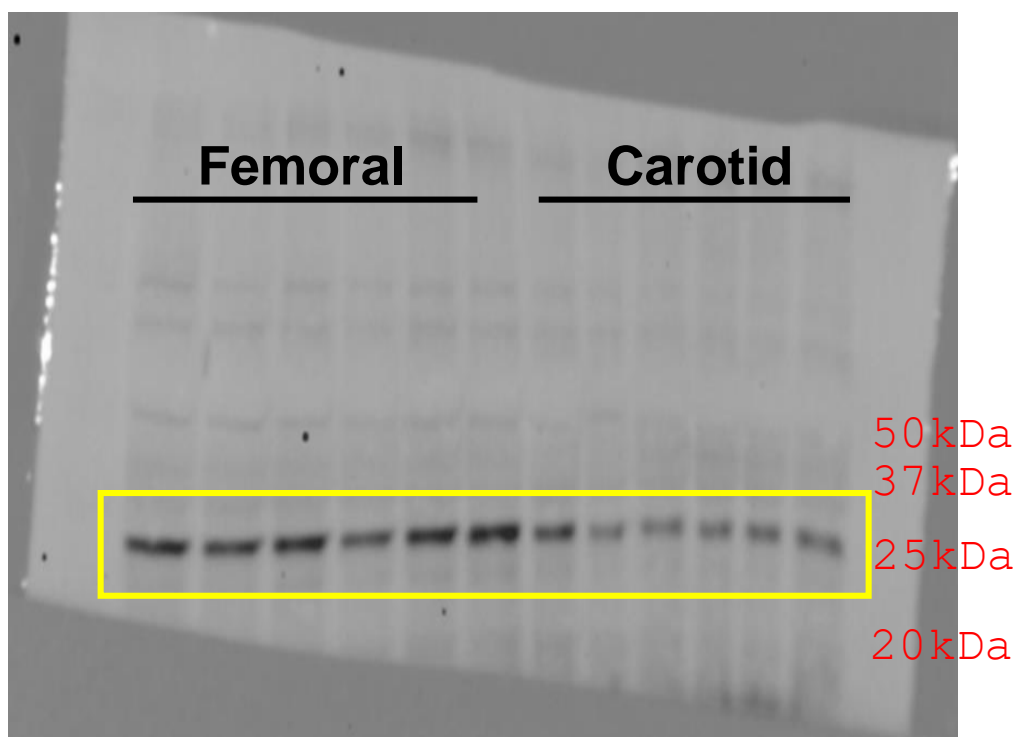
Representative image

### Total protein



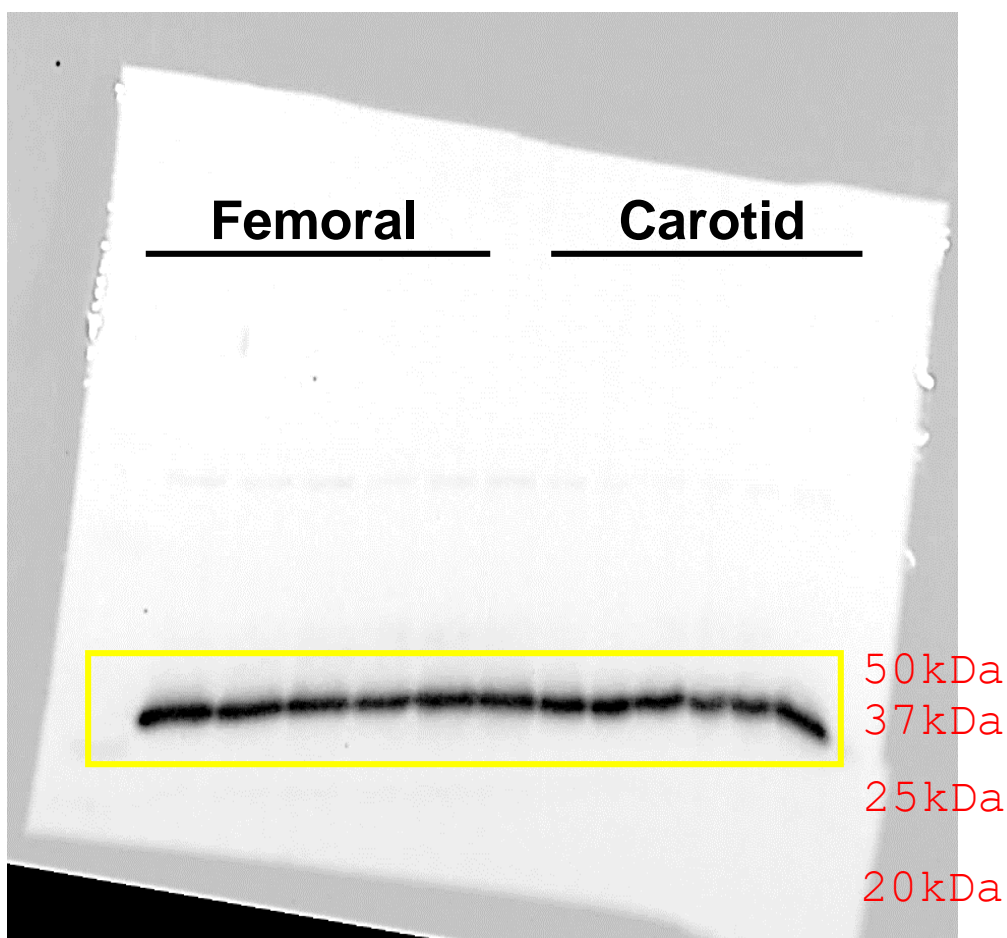
**Suppl. Fig 5.** The images below are the original blots referenced in Figure 7C.

### MnSOD (25kDa)



*Representative image*

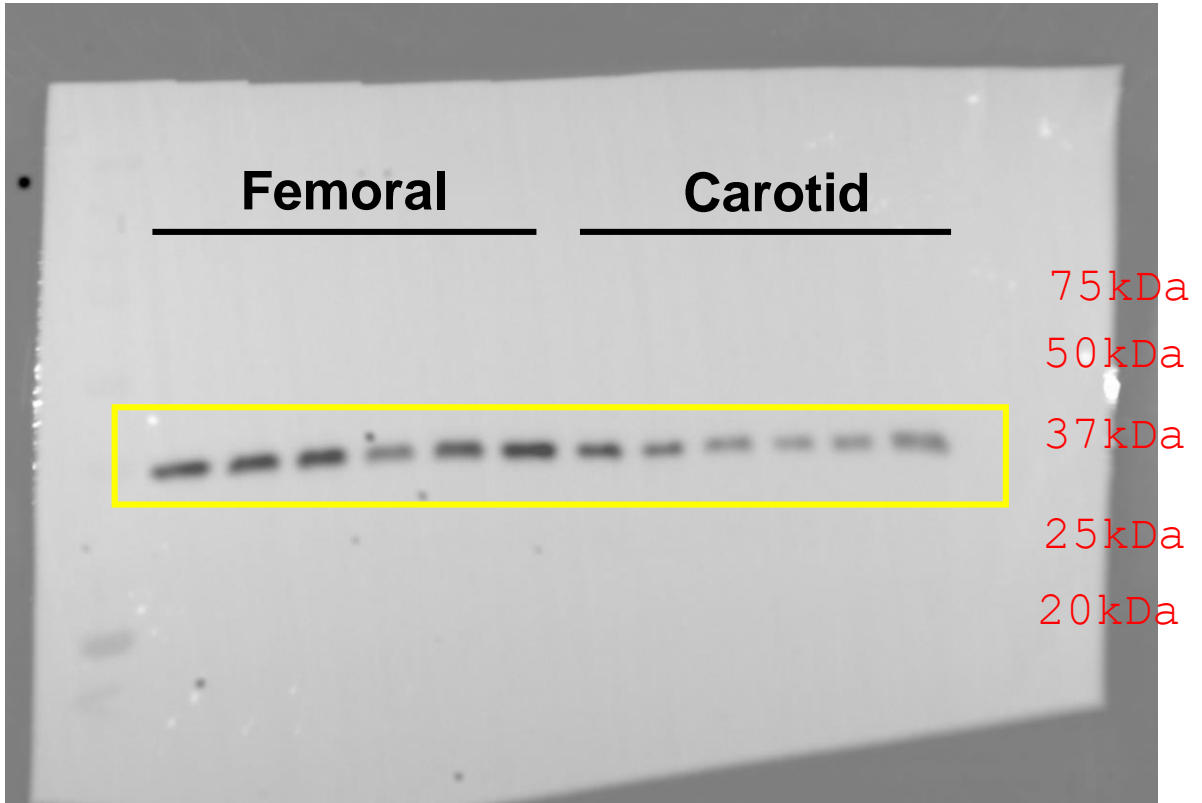
### GAPDH (36kDa)



*Representative image*

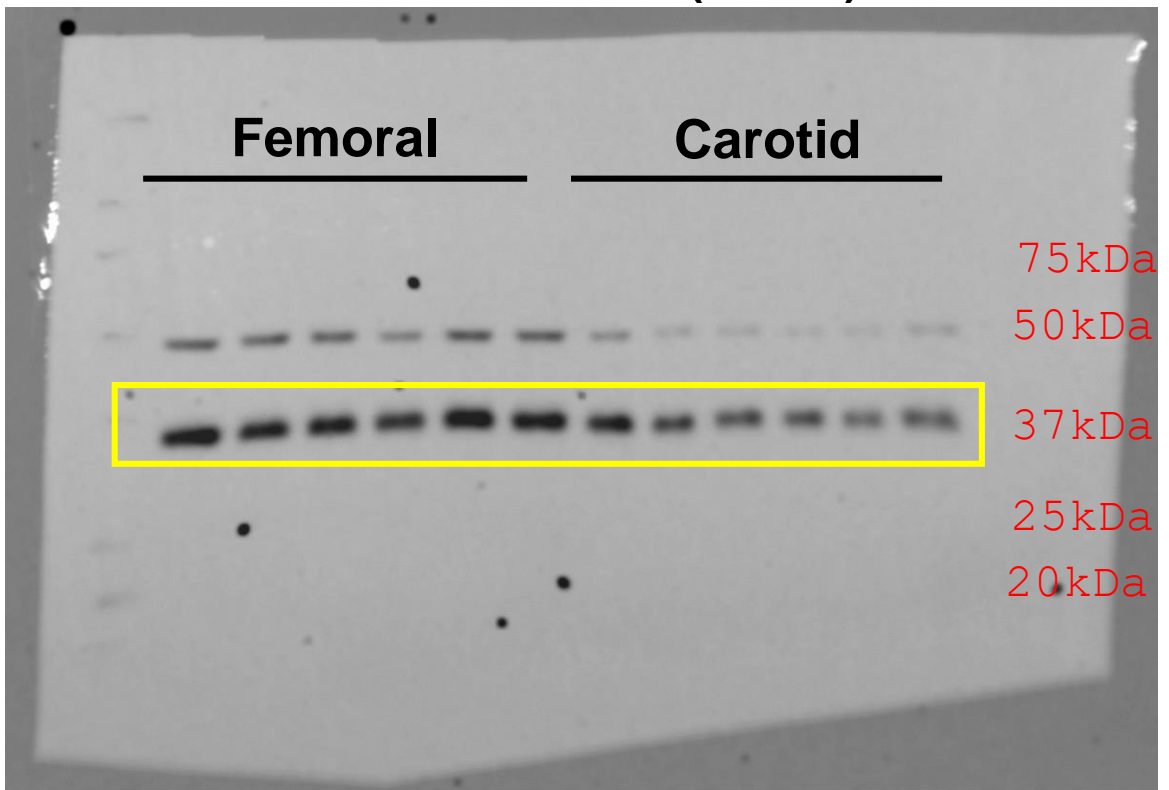
**Suppl. Fig 6.** The images below are the original blots referenced in Figure 7D.

**SOD3 35 kDa**



*Representative image*

**GAPDH (38kDa)**



*Representative image*