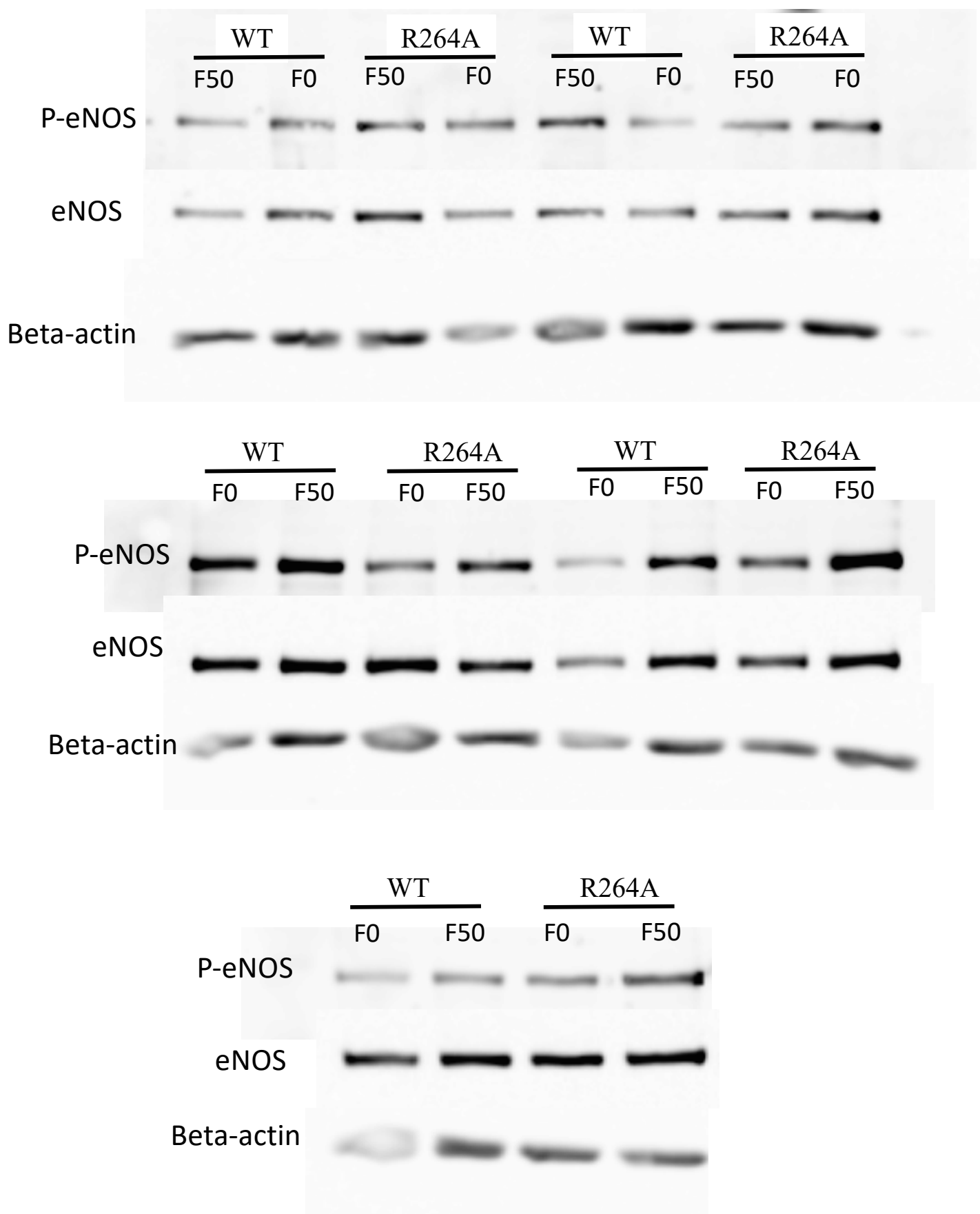
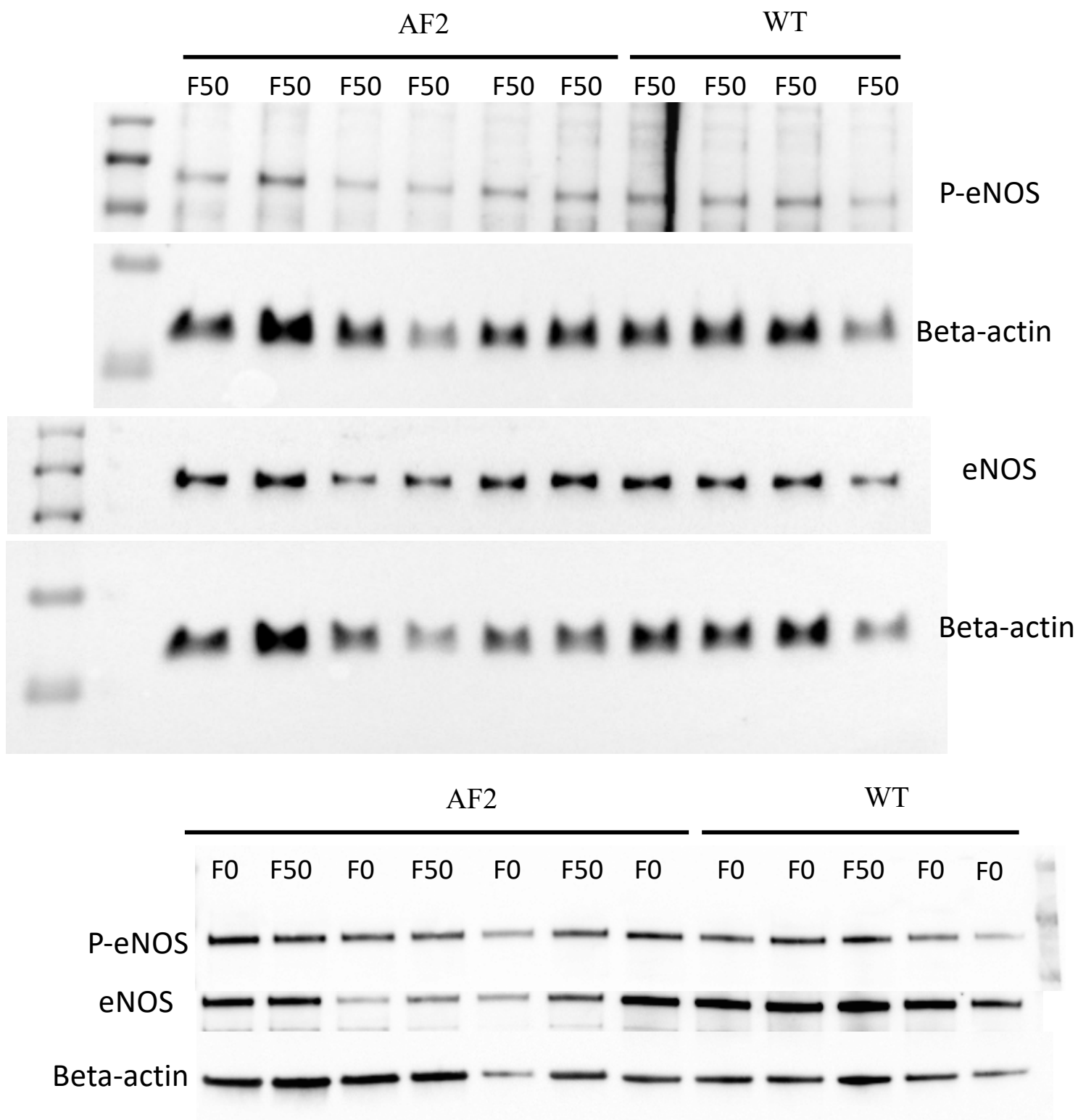


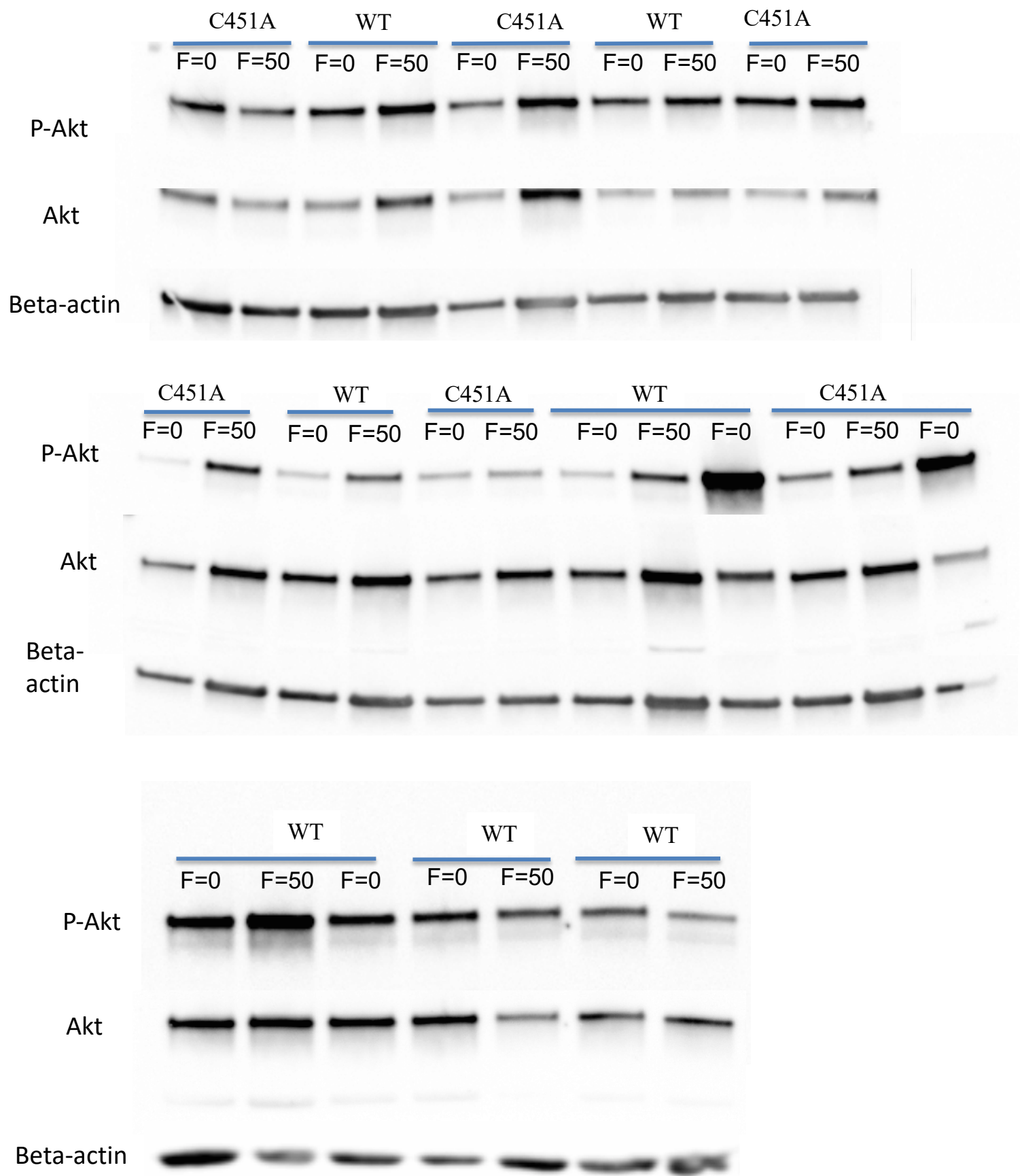
**Figure 5: source data 2:** Full blots for eNOS, P-eNOS, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from C451A-ER $\alpha$  (C451A) male mice and their littermate controls (WT).



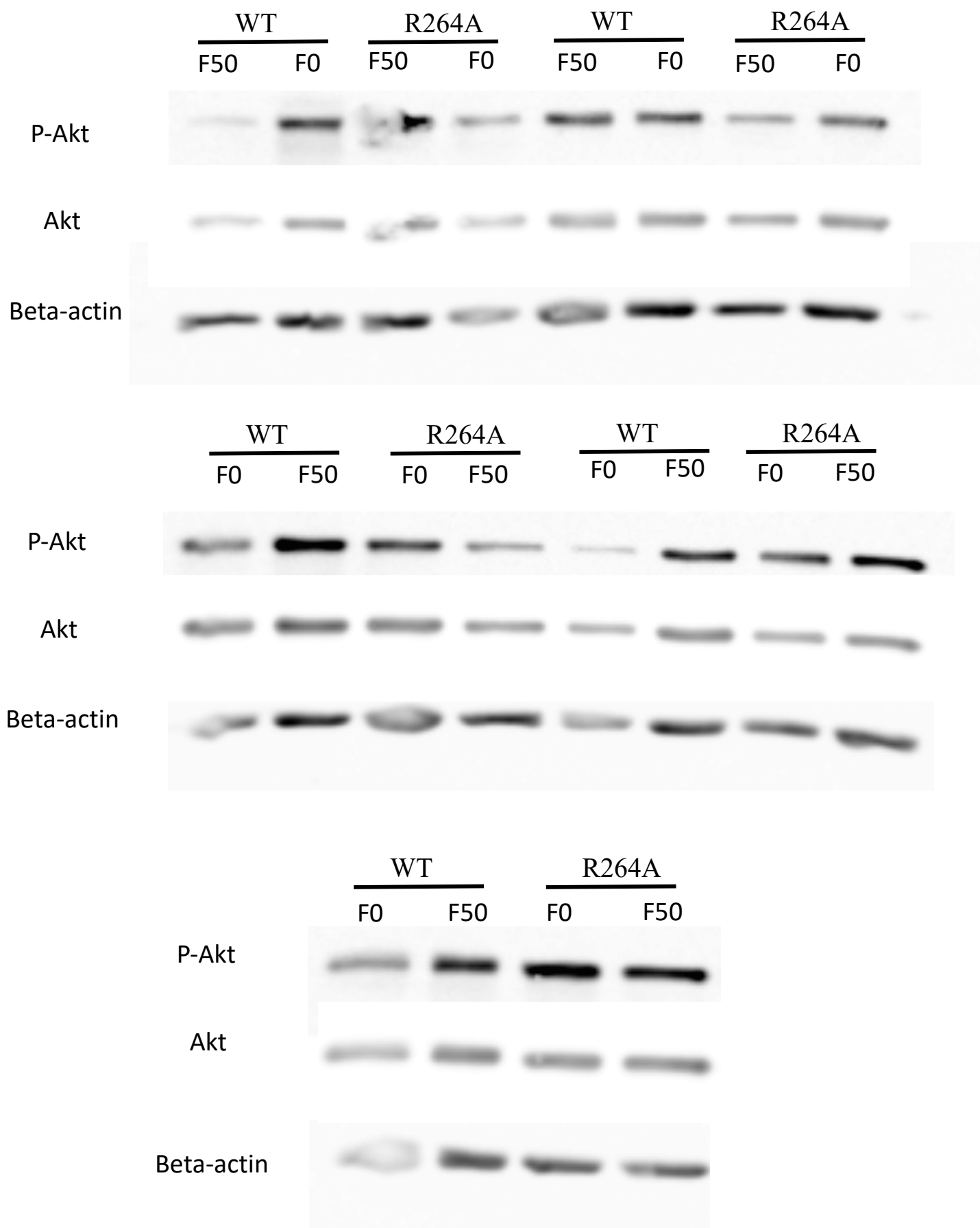
**Figure 5: source data 2:** Full blots for eNOS, P-eNOS, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from R264A-ER $\alpha$  (R264A) male mice and their littermate controls (WT).



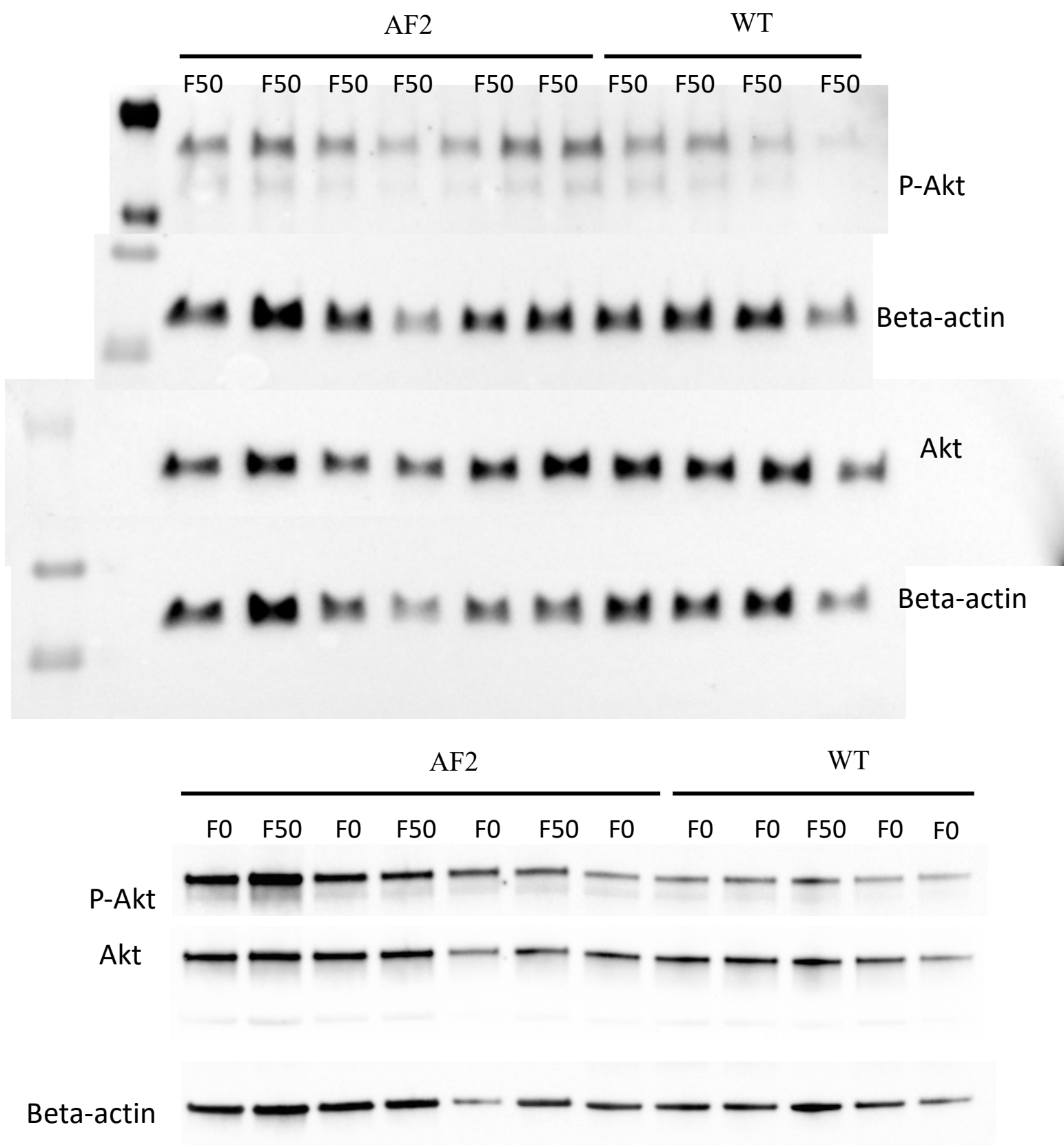
**Figure 5: source data 2** : Full blots for eNOS, P-eNOS, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from AF2-ER $\alpha$  (AF2) male mice and their littermate controls (WT).



**Figure 5: source data 2 :** Full blots for Akt, P-Akt, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from C451A-ER $\alpha$  (C451A) male mice and their littermate controls (WT). Beta-actin similar to eNOS and p-eNOS.



**Figure 5: source data 2 :** Full blots for Akt, P-Akt, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from R264A-ER $\alpha$  (R264A) male mice and their littermate controls (WT). Beta-actin similar to eNOS and p-eNOS.



**Figure 5: source data 2 :** Full blots for Akt, P-Akt, and beta-actin measured in mesenteric arteries that had been submitted to flow (50  $\mu$ L/min, F=50) or not (F=0). The arteries were isolated from AF2-ER $\alpha$  (AF2) male mice and their littermate controls (WT). Beta-actin similar to eNOS and p-eNOS.