

**Uncropped blots related to Figure 1. (A)** Graphical depiction of primer design used to confirm DNA recombination. **(B)** DNA gel confirming muscle-specific recombination in the AHR gene in AHR<sup>mKO</sup> mice treated with tamoxifen. **(C)** Uncropped gels and membranes for immunoblotting confirmation of AHR deletion in skeletal muscle.

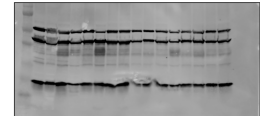
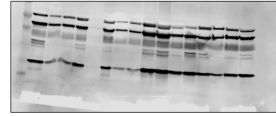
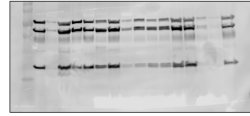
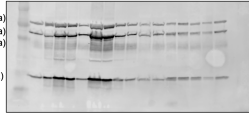
Lane	Genotype	Sex	Diet
1	Ladder		
2	Ahr- <i>fl</i>	Male	Adenine
3	Ahr- <i>fl</i>	Male	Adenine
4	Ahr- <i>fl</i>	Female	Adenine
5	Ahr- <i>fl</i>	Female	Adenine
6	Ahr- <i>fl</i>	Male	Casein
7	Ahr- <i>fl</i>	Male	Casein
8	Ahr- <i>fl</i>	Female	Casein
9	Ahr- <i>fl</i>	Female	Casein
10	Ahr-mKO	Male	Adenine
11	Ahr-mKO	Male	Adenine
12	Ahr-mKO	Female	Adenine
13	Ahr-mKO	Female	Adenine
14	Ahr-mKO	Male	Casein
15	Ahr-mKO	Male	Casein
16	Ahr-mKO	Female	Casein
17	Ahr-mKO	Female	Casein
18	EMPTY		

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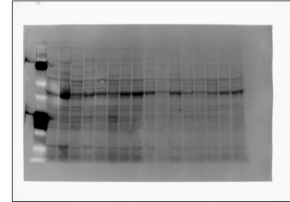
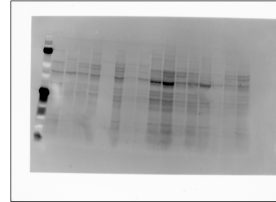
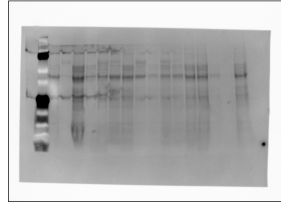
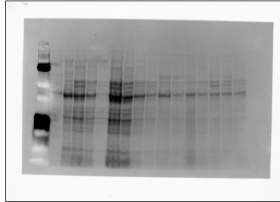
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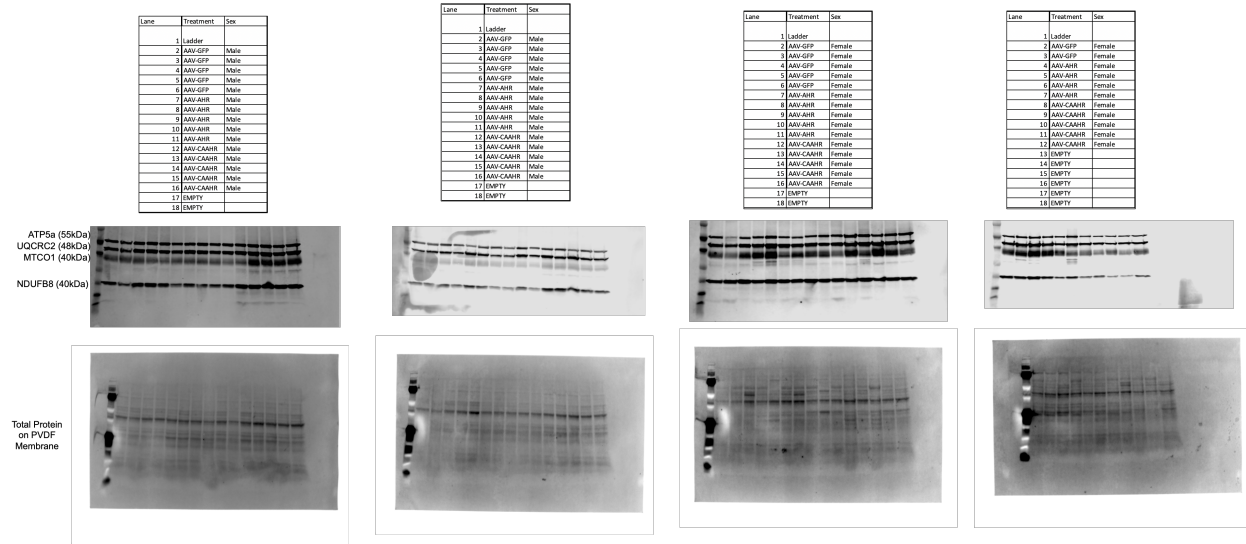
ATP5a (55kDa)  
UQCRC2 (48kDa)  
MTCO1 (40kDa)  
NDUFB8 (40kDa)



Total Protein  
on PVDF  
Membrane



**Uncropped western blots for AHR<sup>fl/fl</sup> and AHR<sup>mKO</sup> mitochondrial protein abundance in the ischemic limb.**



Uncropped western blots for AAV treated mice examining mitochondrial protein abundance in the ischemic limb.