

Figure 1 C

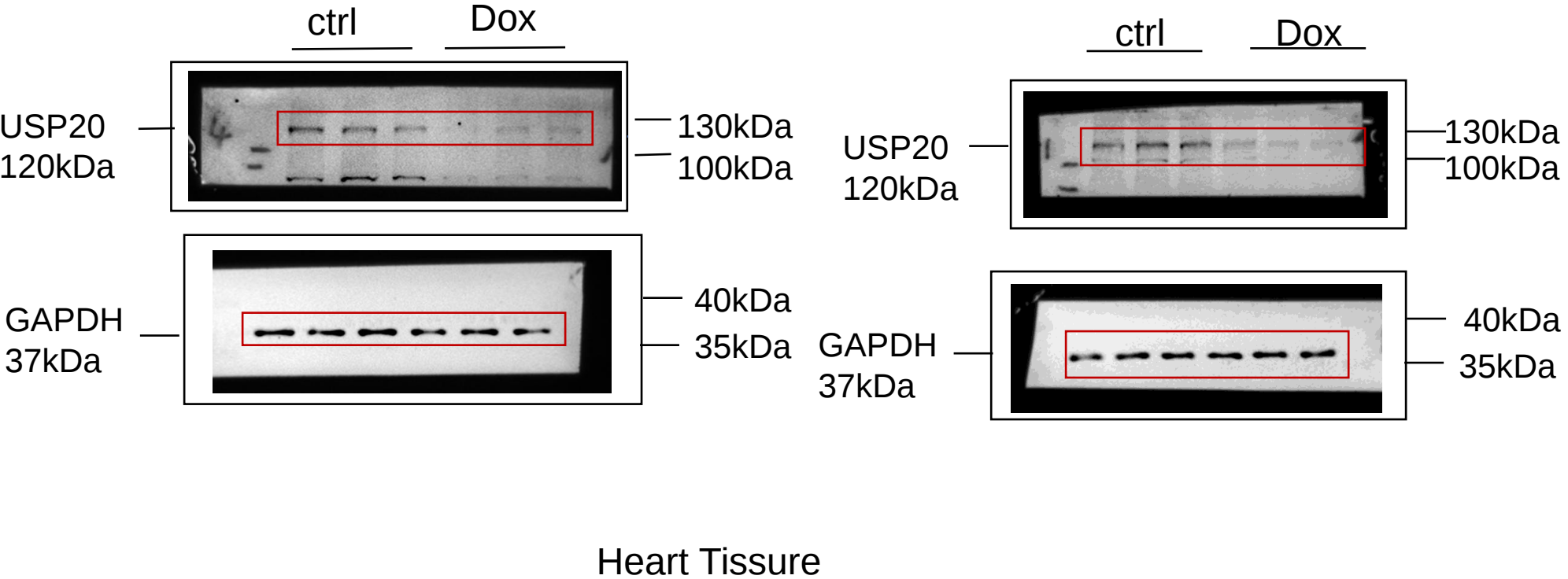
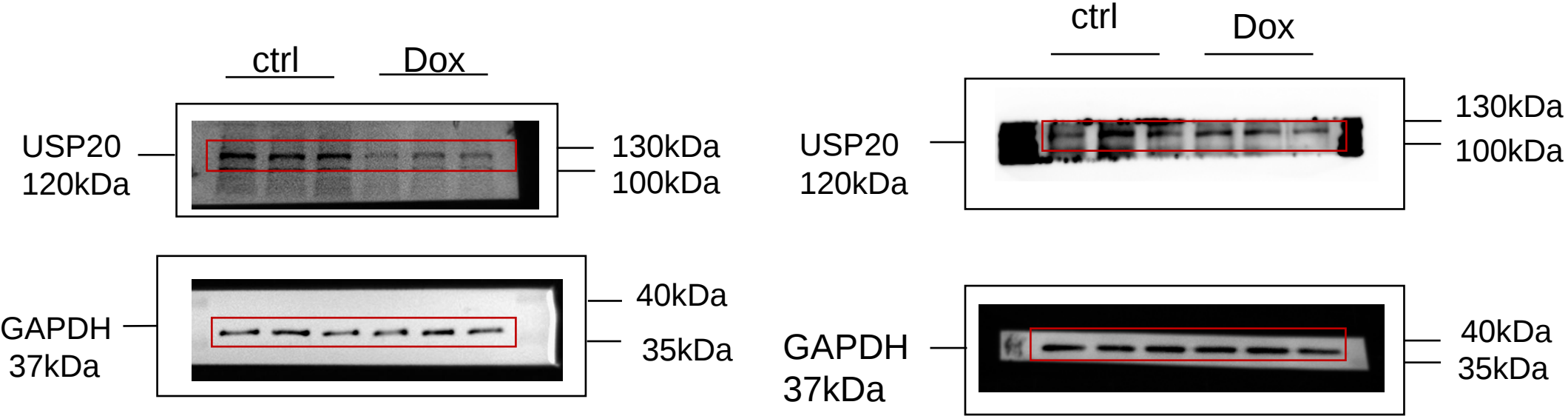


Figure 1E



Primary cardiomyocytes

Figure 1G

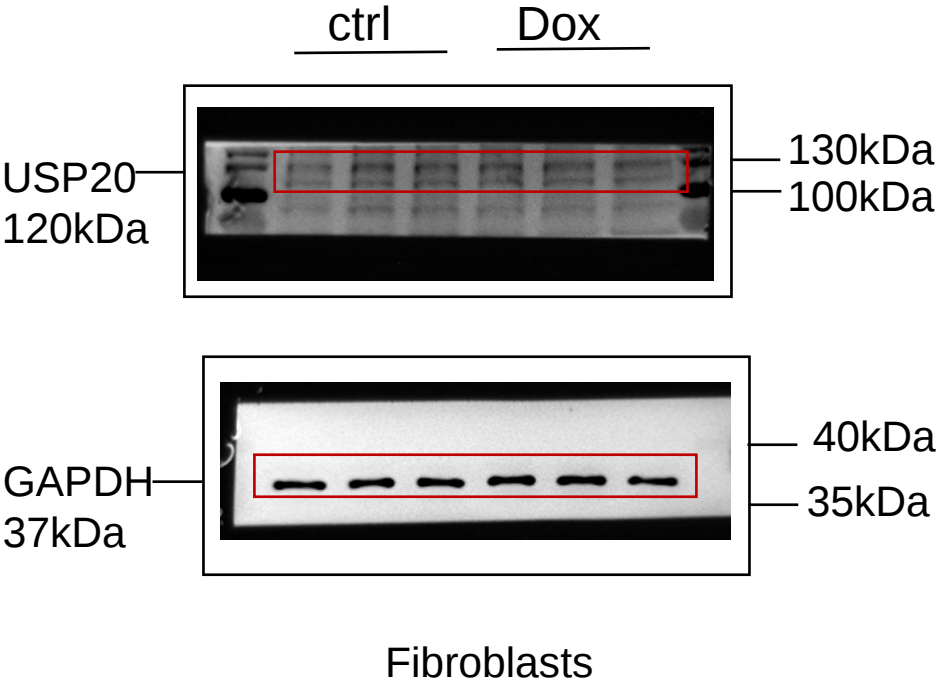
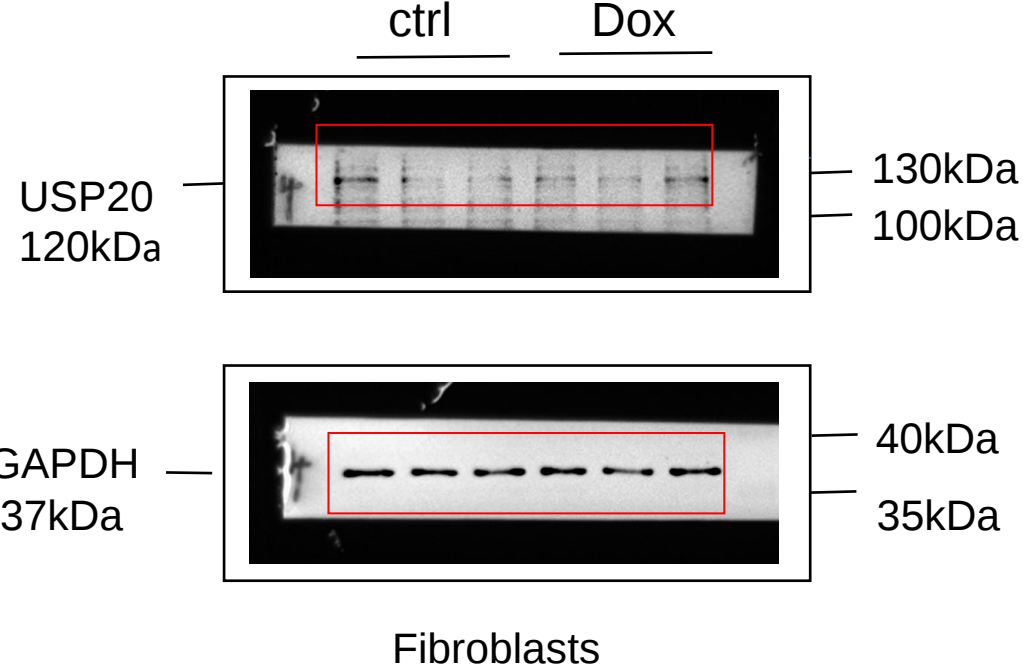


Figure 1l

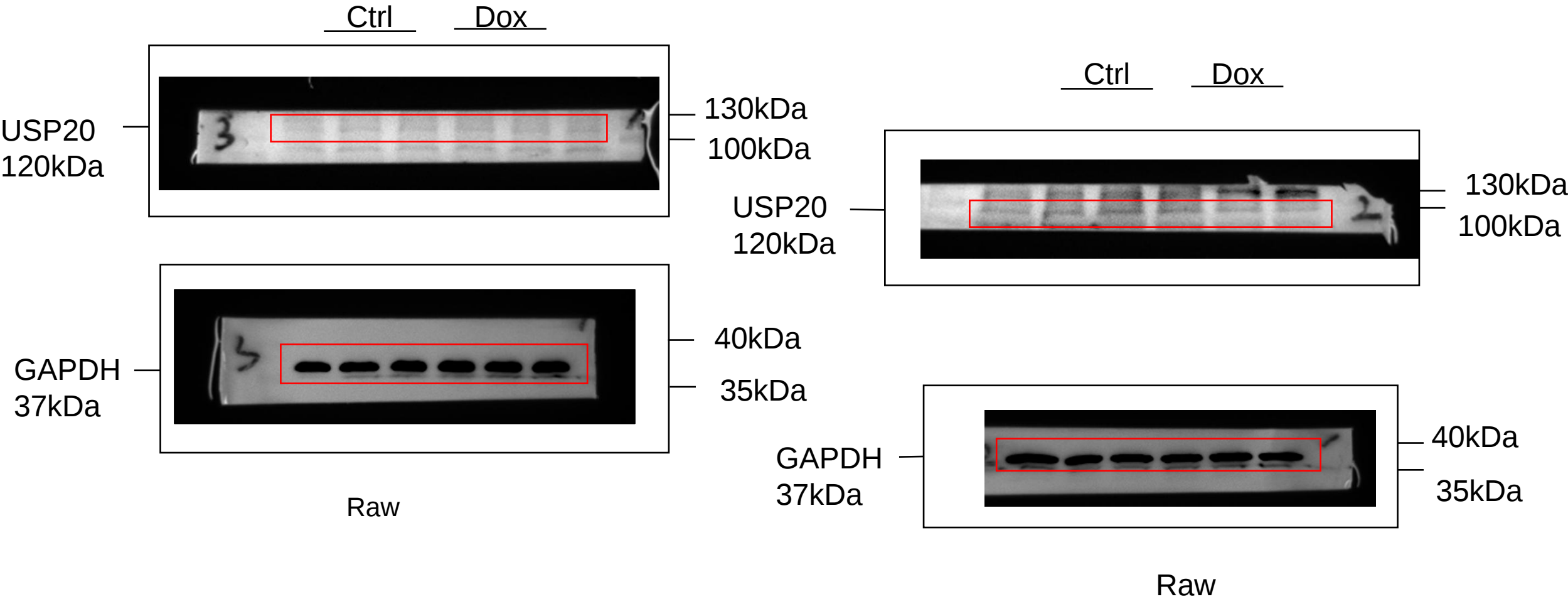
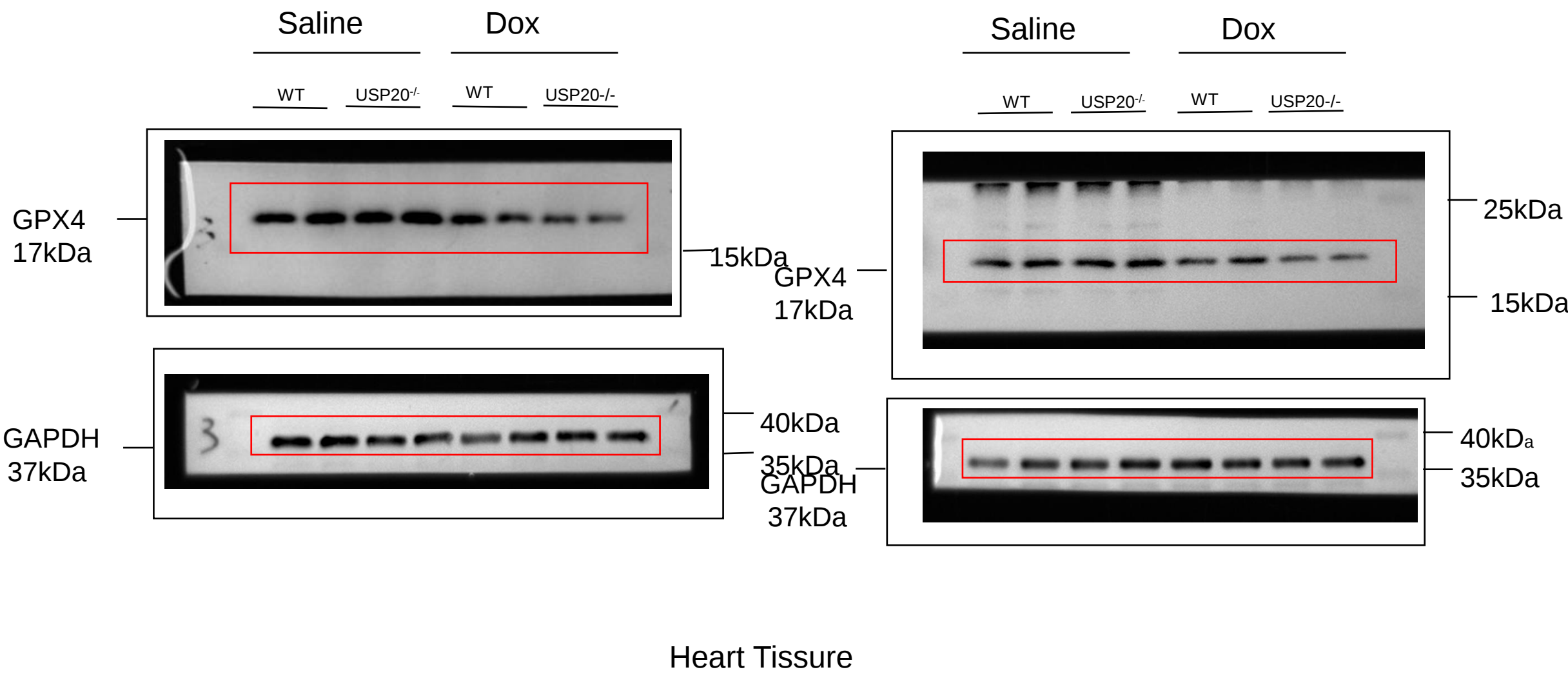
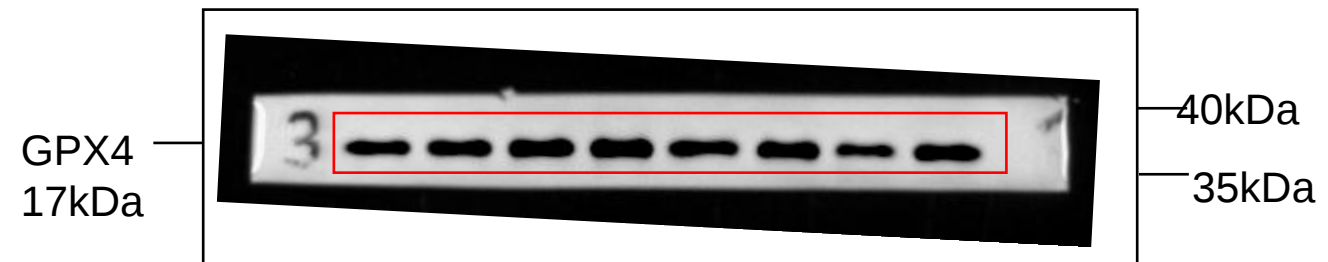
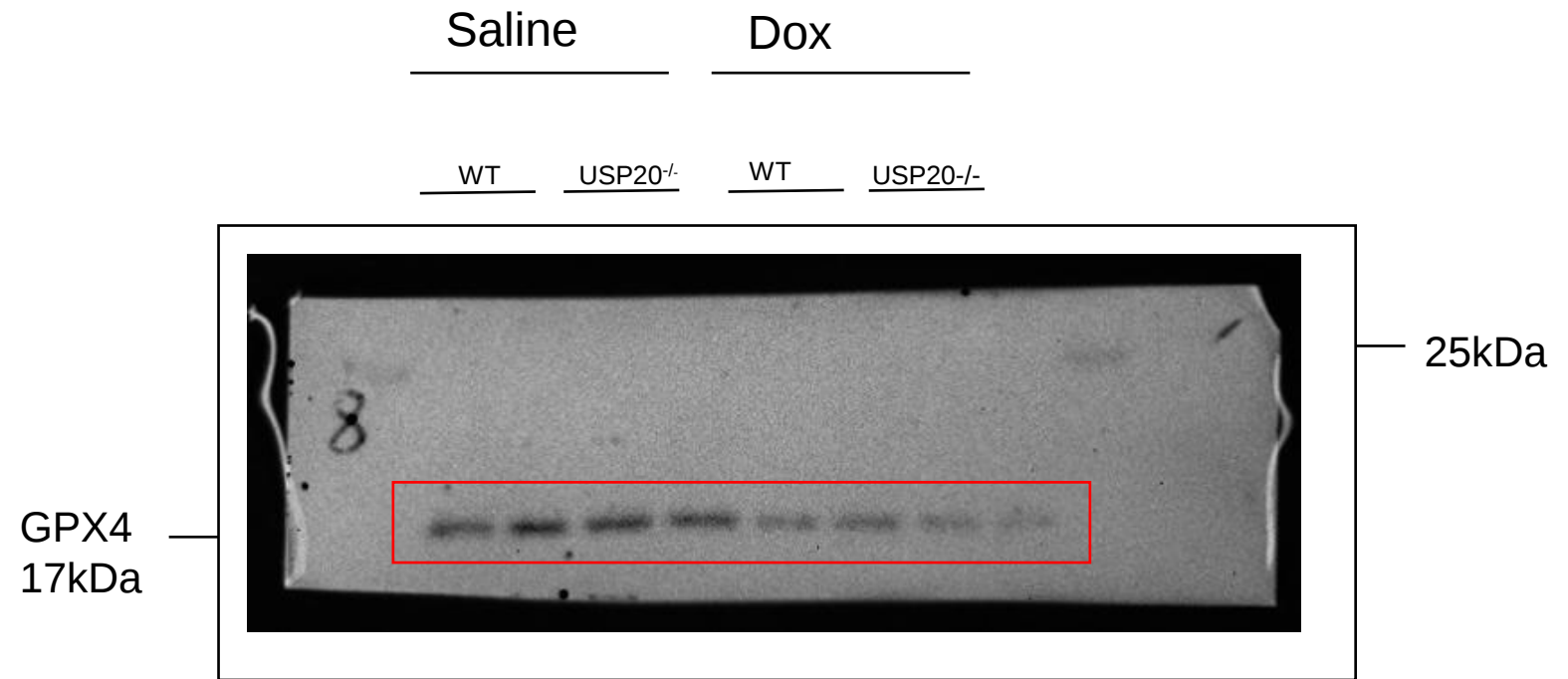


Figure 20



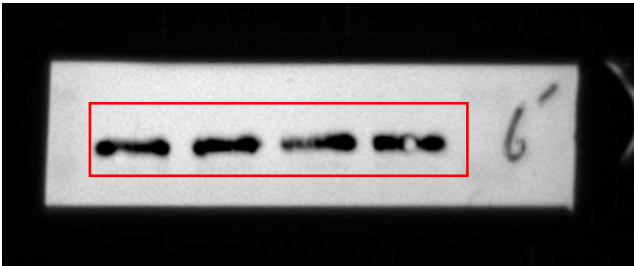
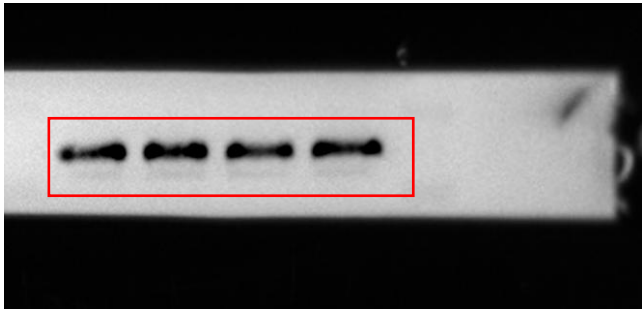
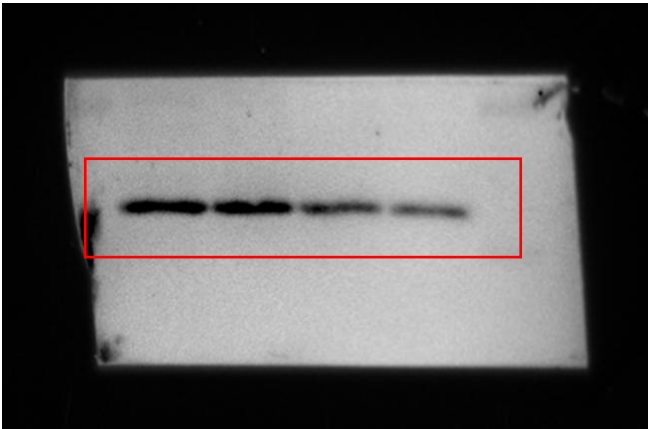
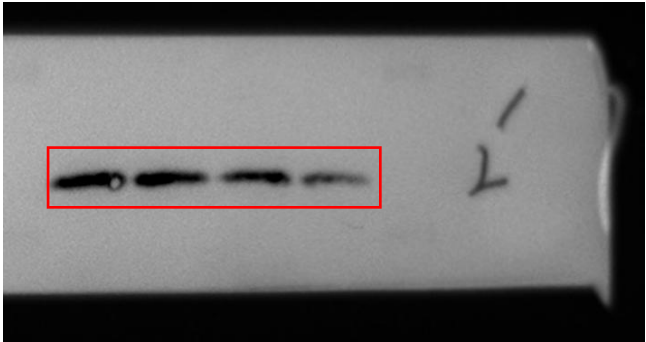


Heart Tissue

Figure 3G

Vehicle		Dox	
Si-NC	Si-USP20	Si-NC	Si-USP20

Vehicle		Dox	
Si-NC	Si-USP20	Si-NC	Si-USP20



Primary cardiomyocytes

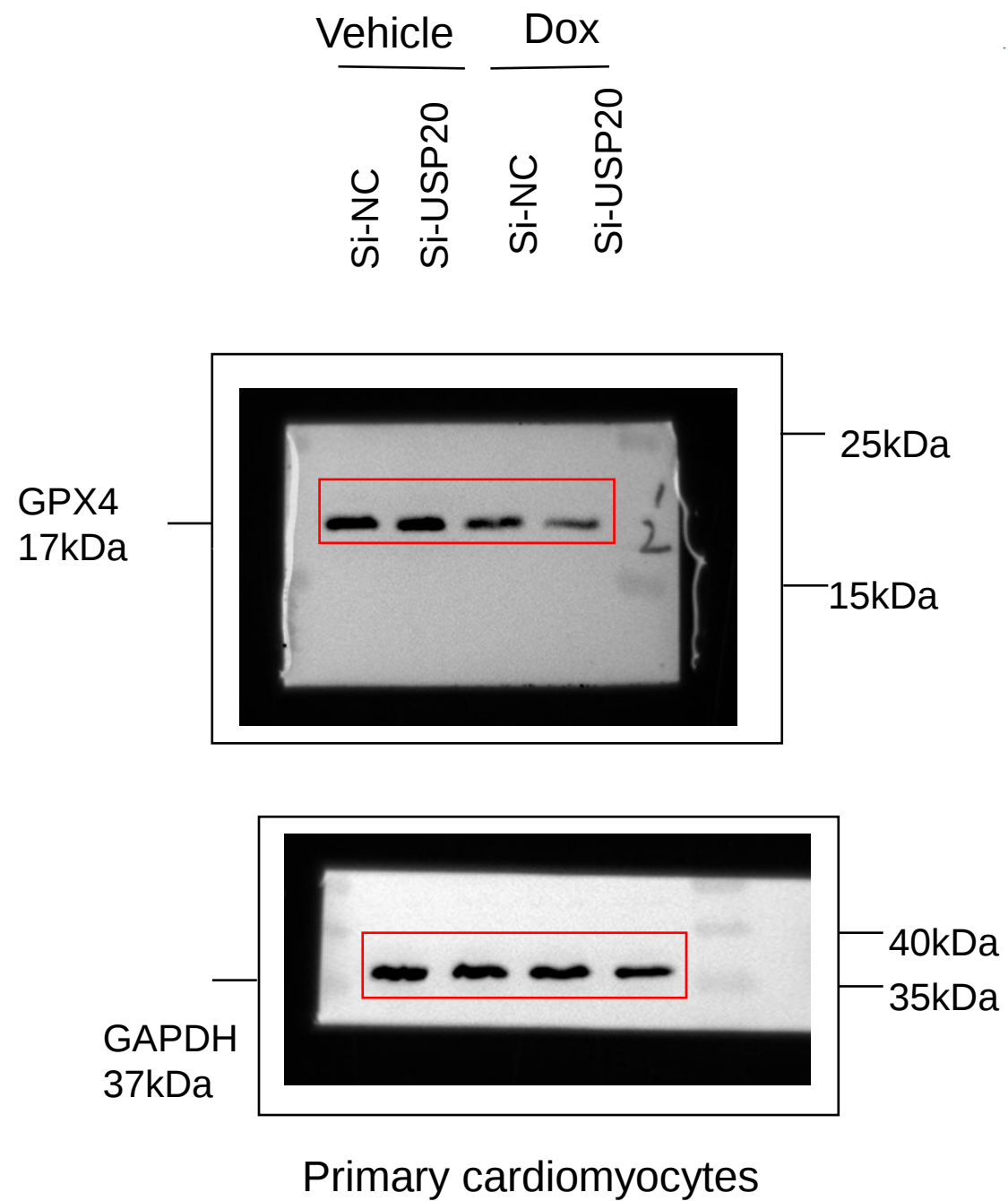
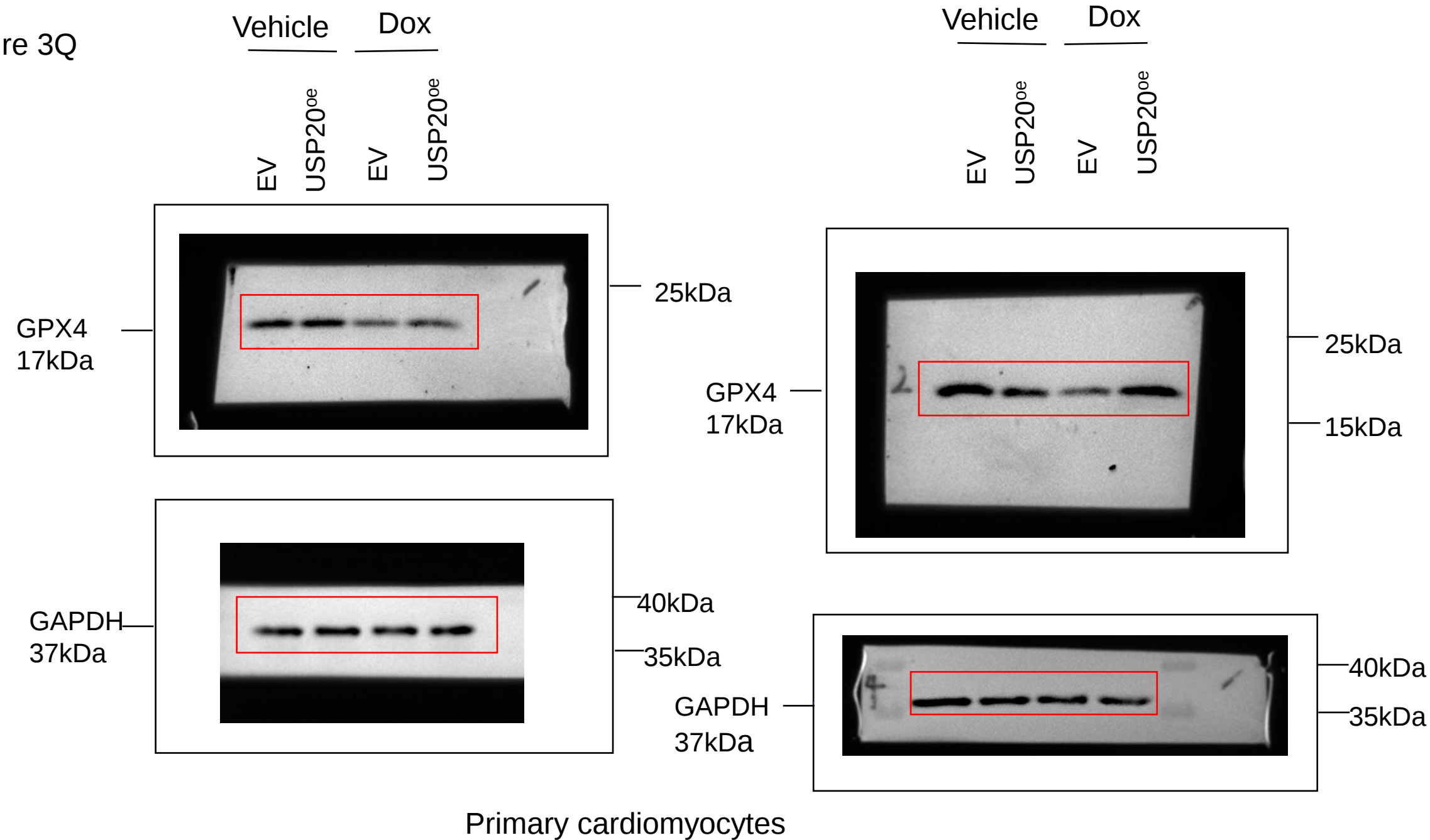
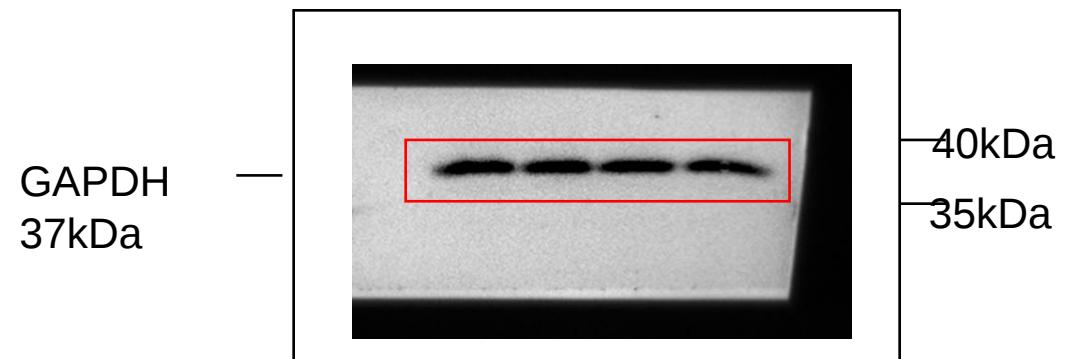
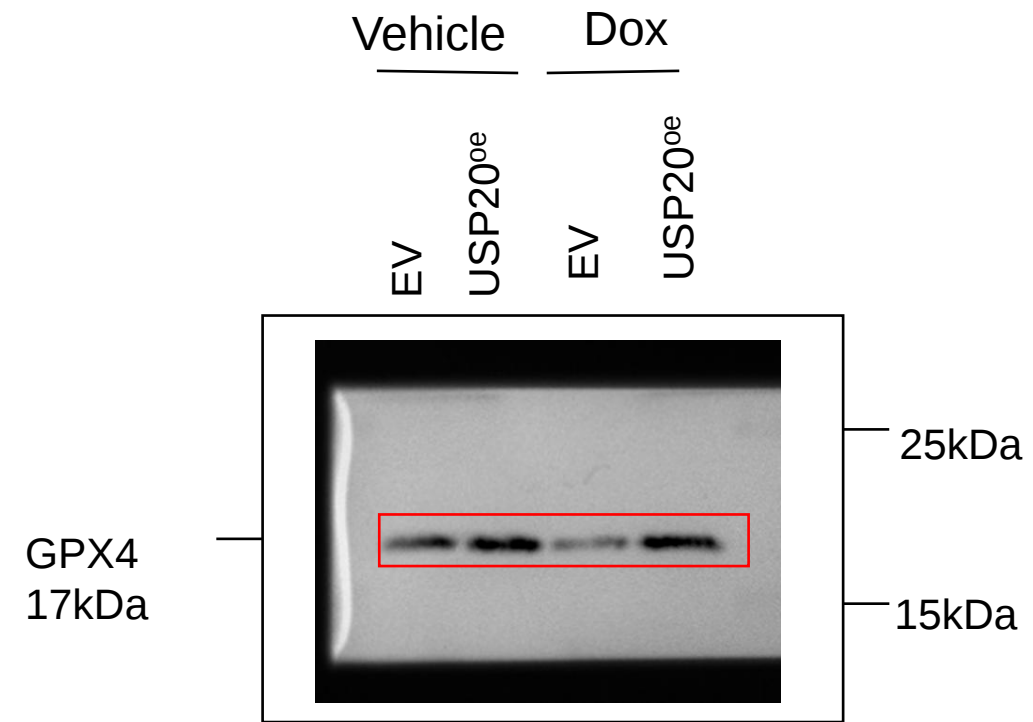


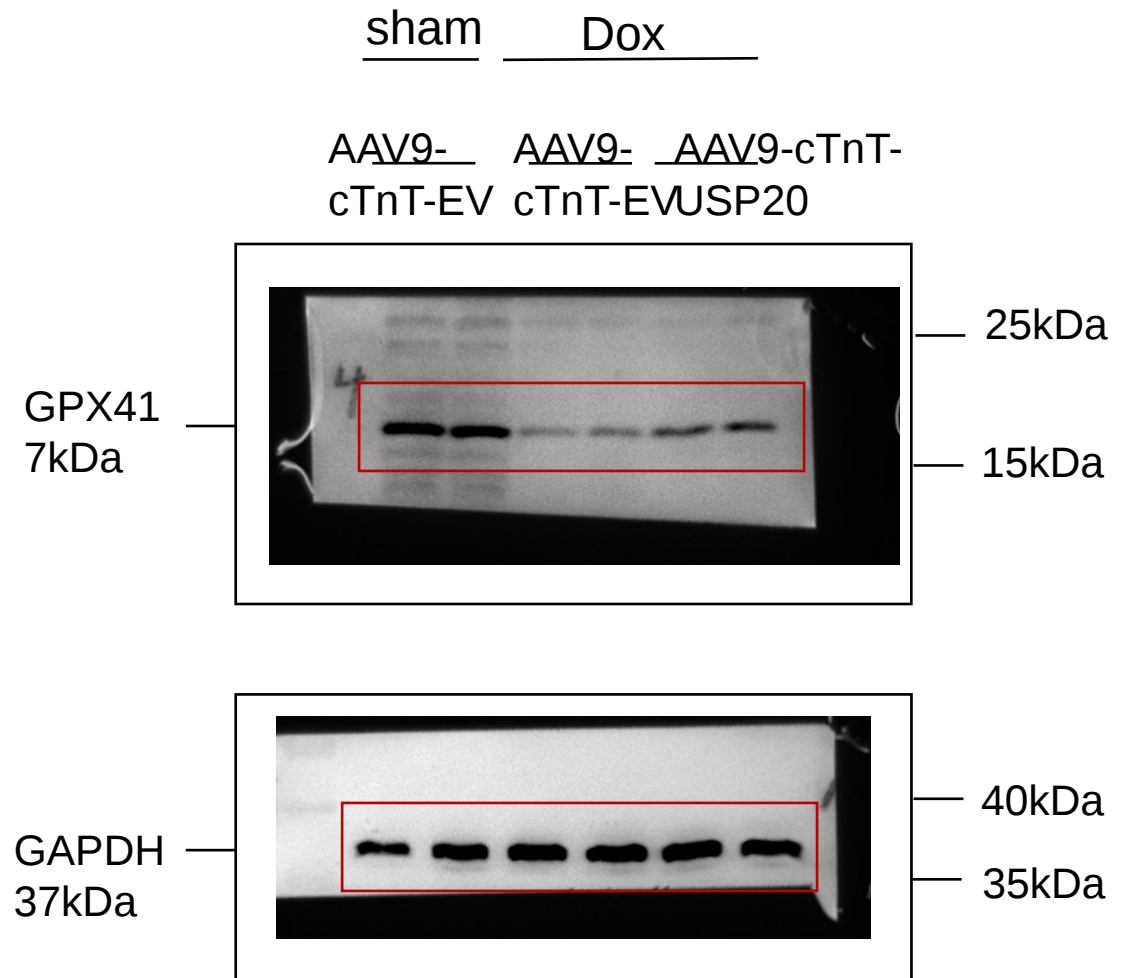
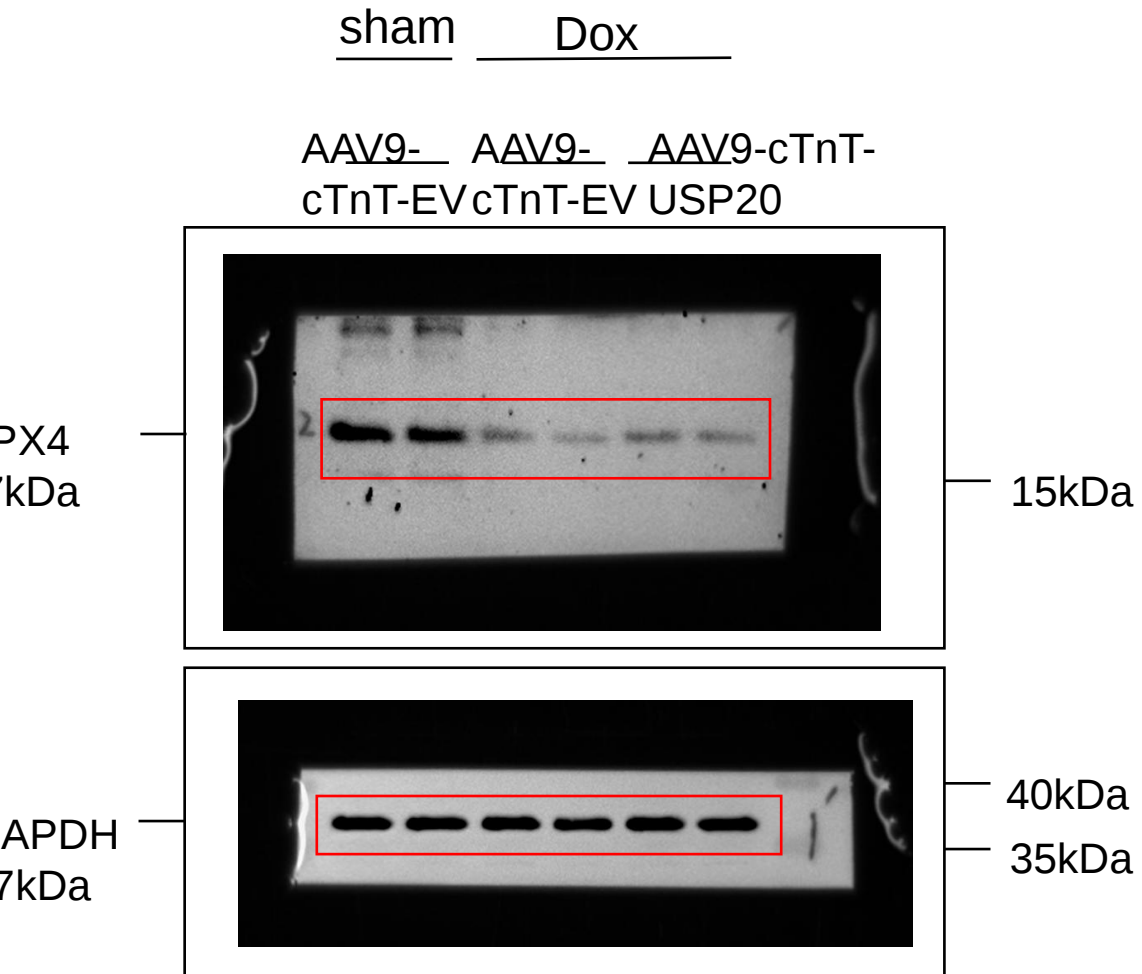
Figure 3Q





Primary cardiomyocytes

Figure 40



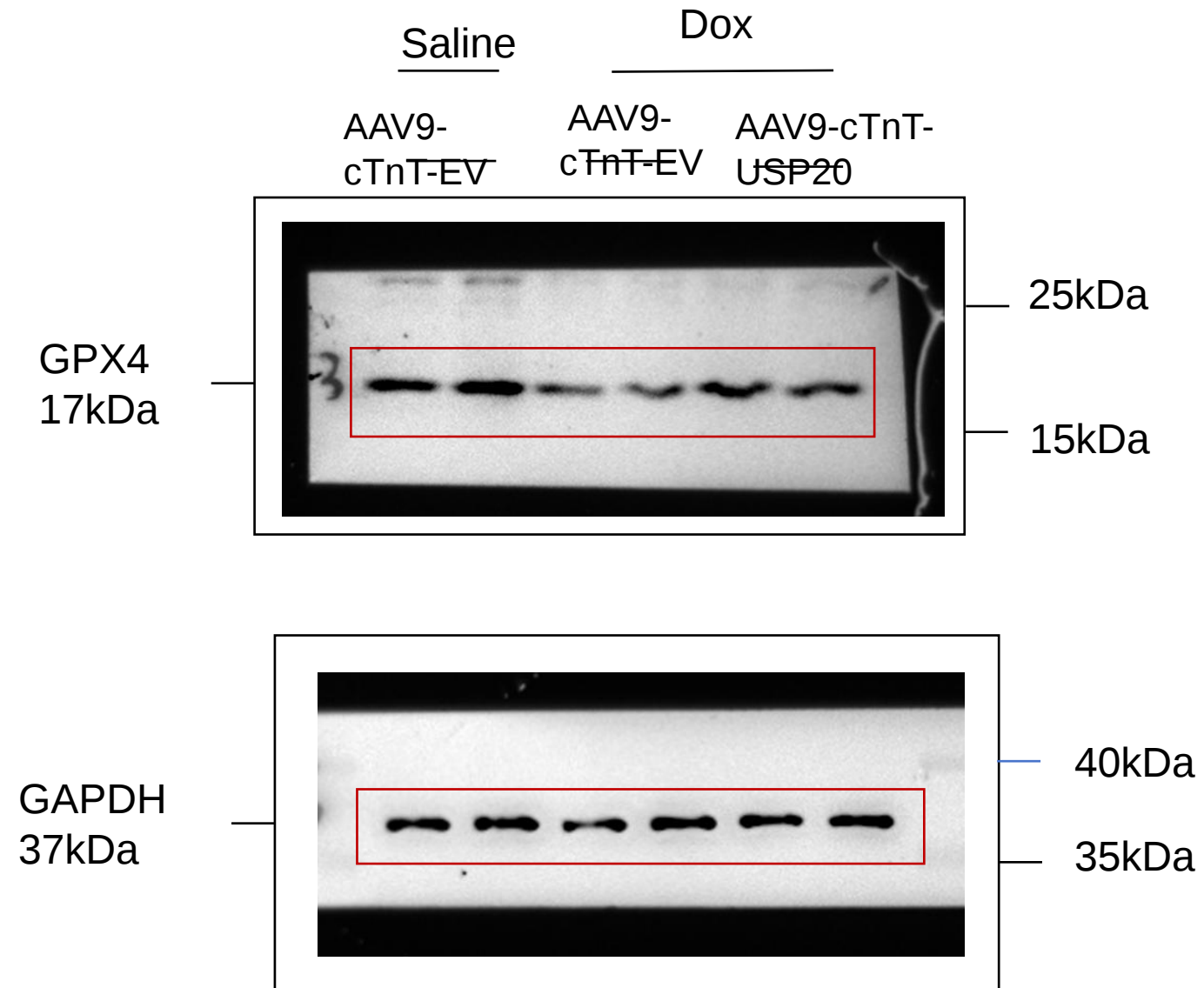


Figure 5D

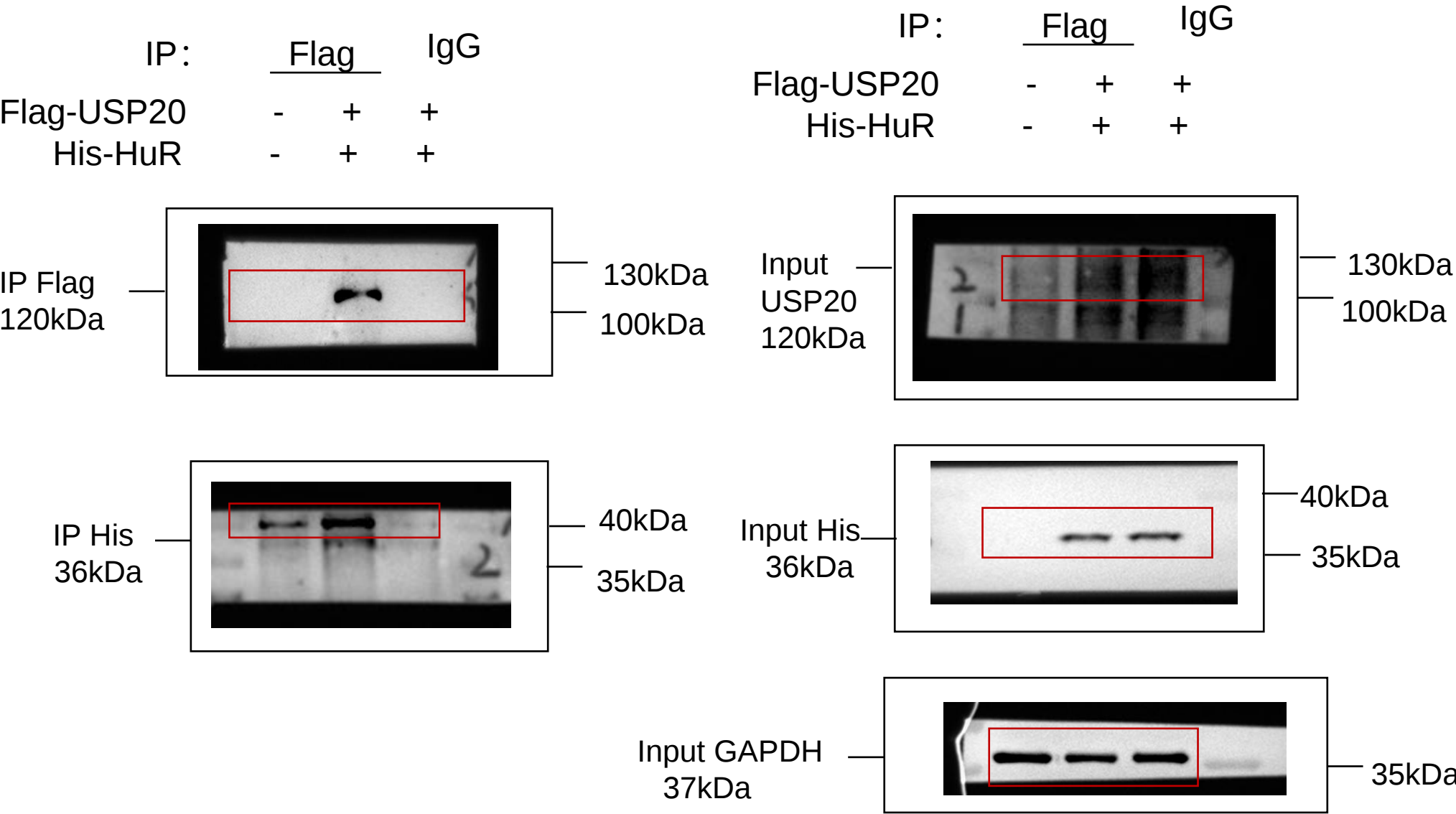


Figure 5E

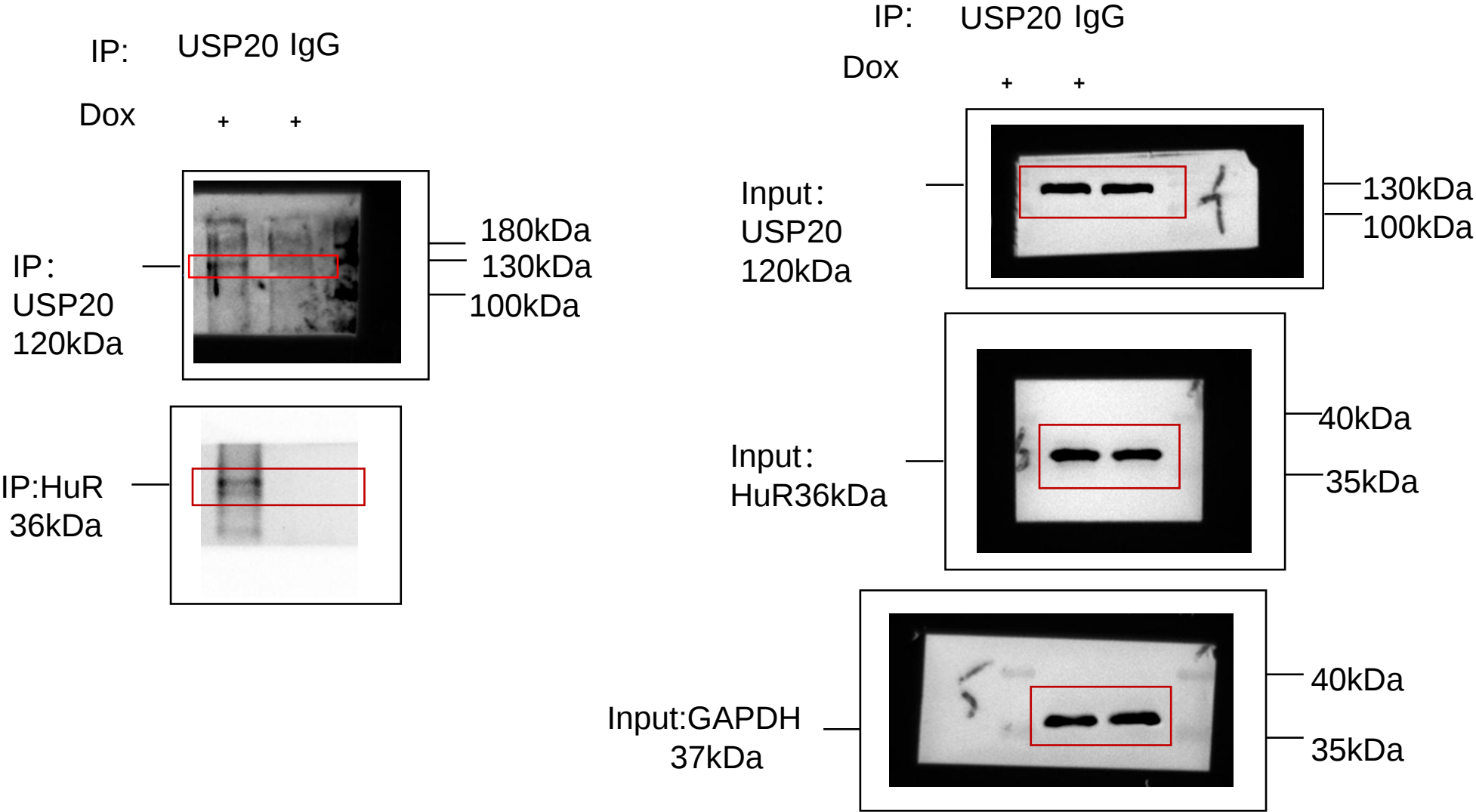
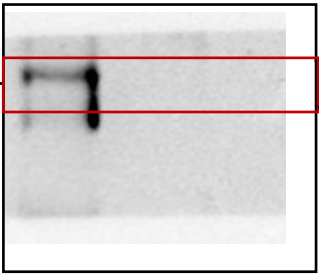


Figure 5F

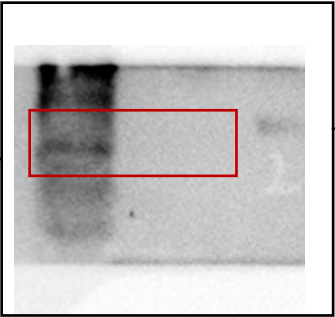
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Flag-USP20	+	+
Dox	+	+

IP Flag
120kDa



130kDa
100kDa

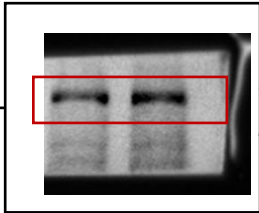
IP:HuR
36kDa



40kDa
35kDa

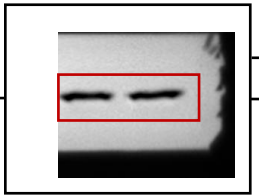
IP:	Flag	IgG
Flag-USP20	+	+
Dox	+	+

Input Flag
120kDa



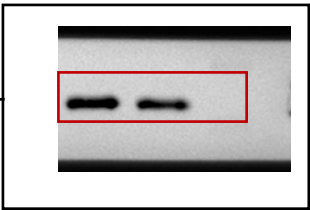
130kDa
100kDa

Input HuR
36kDa



40kDa
35kDa

InputGAPDH
37kDa



40kDa
35kDa

Figure 5H

IP	Flag			IgG	
His-HuR	+	+	+	+	+
Flag-USP20-WT	+	-	-	-	+
Flag-USP20-Mut-1	-	+	-	-	-
Flag-USP20-Mut-2	-	-	+	-	-
Flag-USP20-Mut-3	-	-	-	+	-

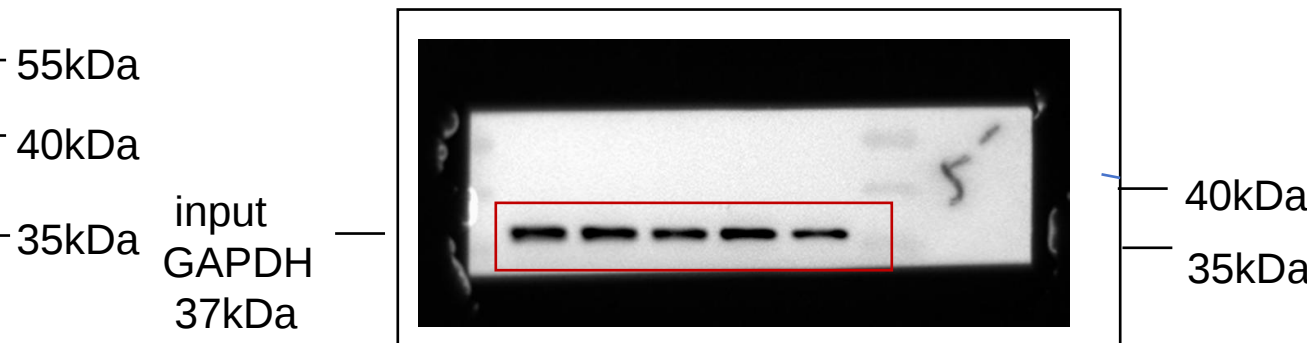
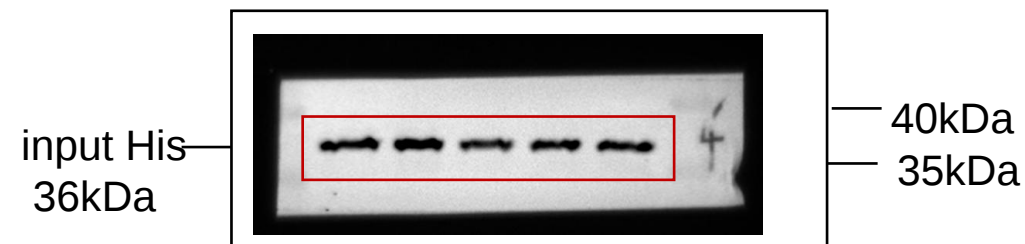
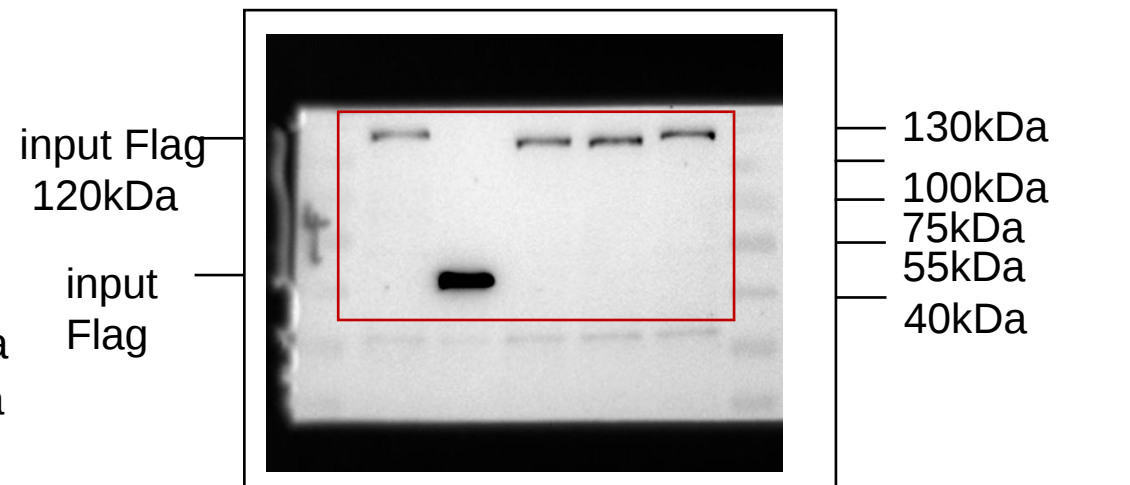
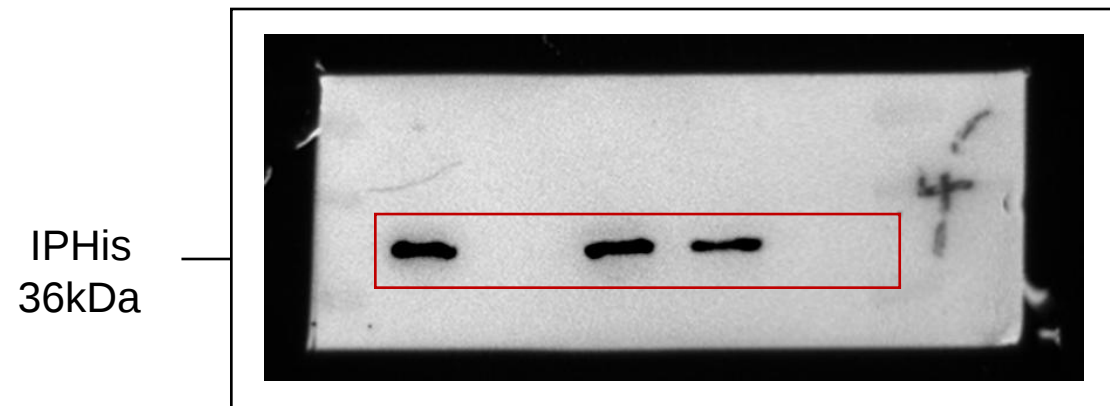
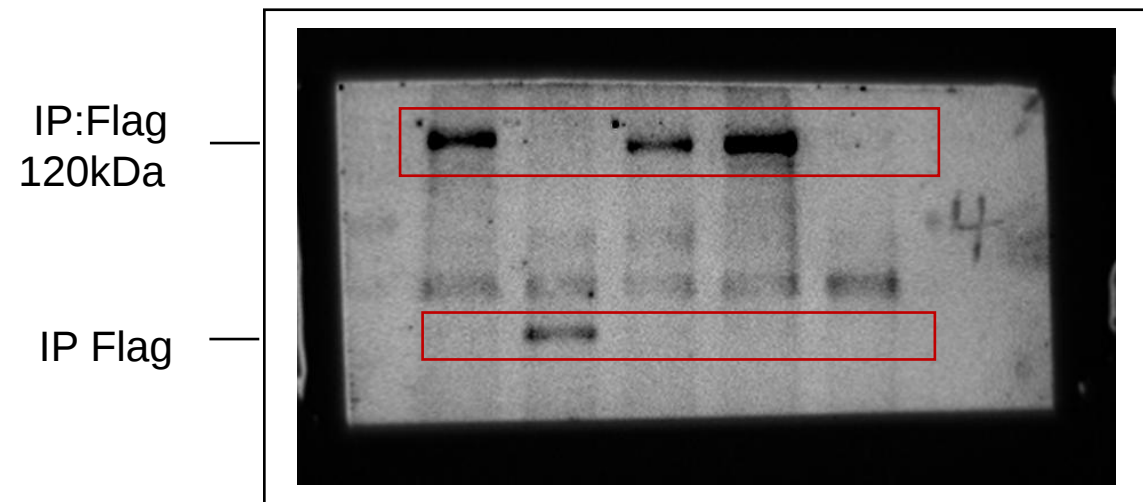


Figure 6A

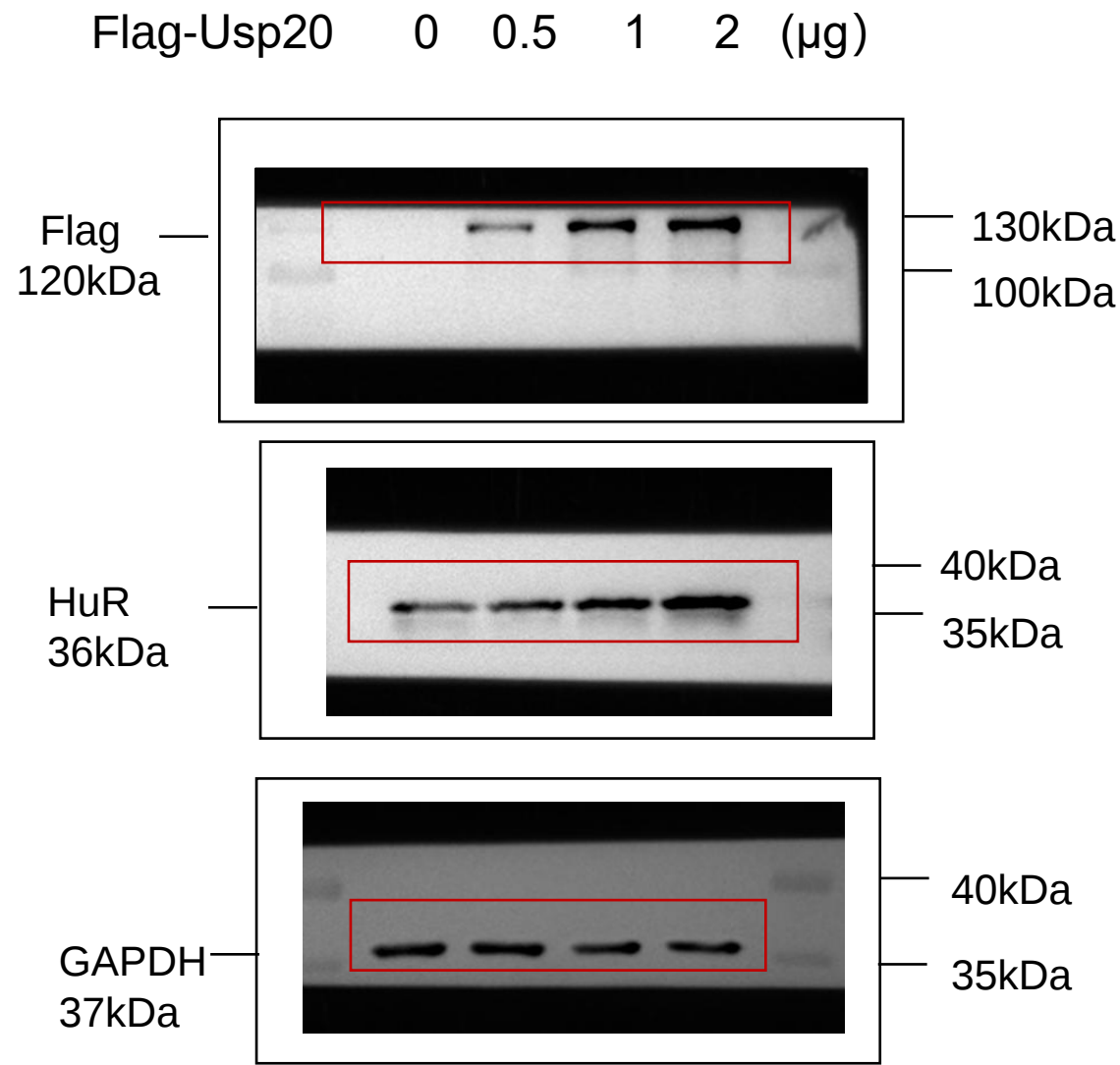
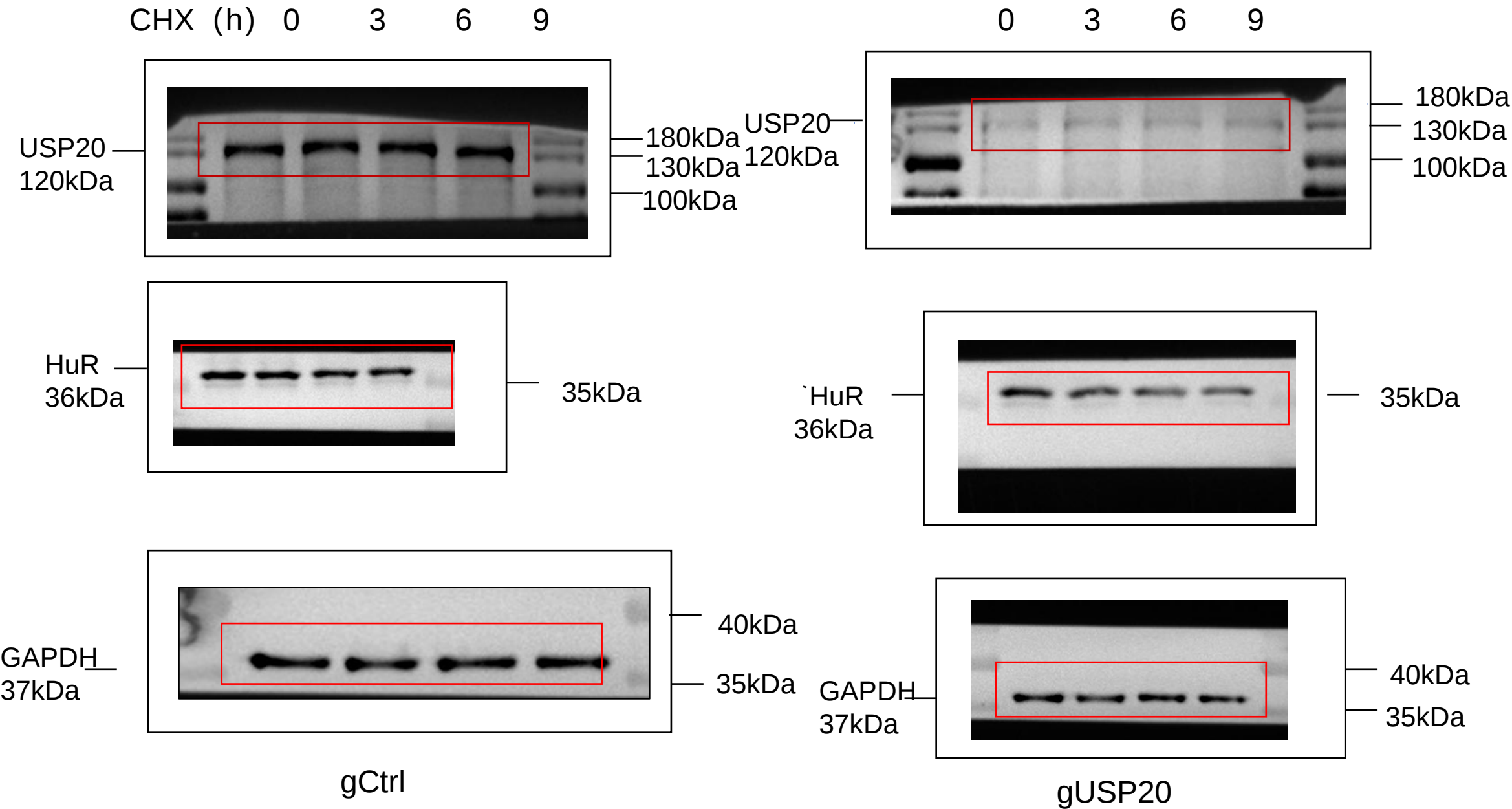


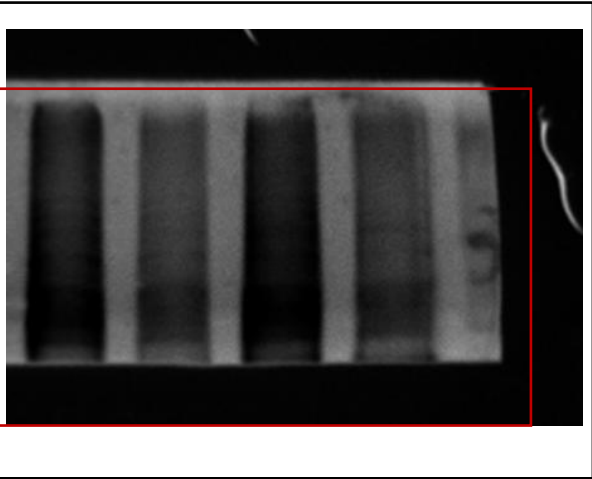
Figure 6C



ip-k48	IP	His			
Flag-USP20		-	+	-	+
His-HuR		+	+	+	+
HA-UB		+	+	-	-
HA-UB-K48		-	-	+	+
MG132		+	+	+	+

Figure 6E

IP HA

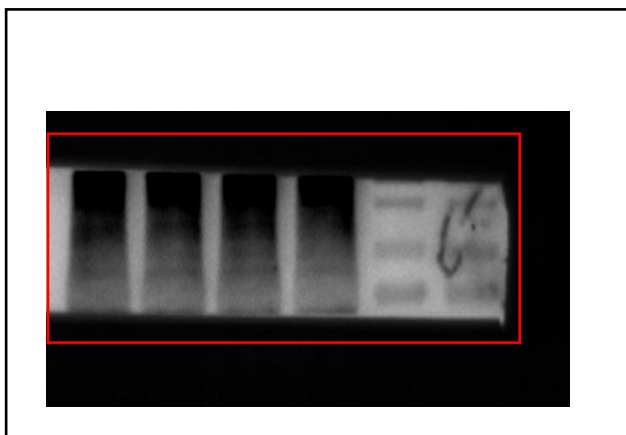


IP
t his
36kDa

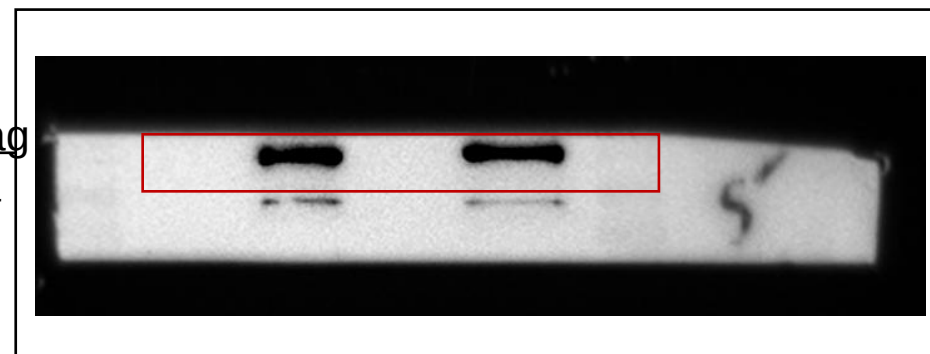


40kDa
35kDa

input HA

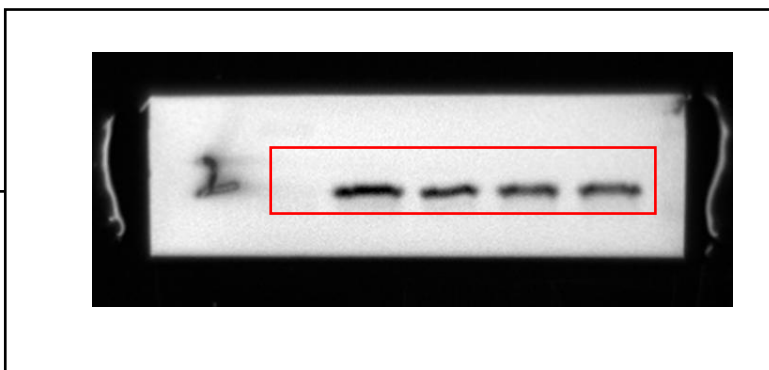


180kDa
70kDa
inputFlag
120kDa



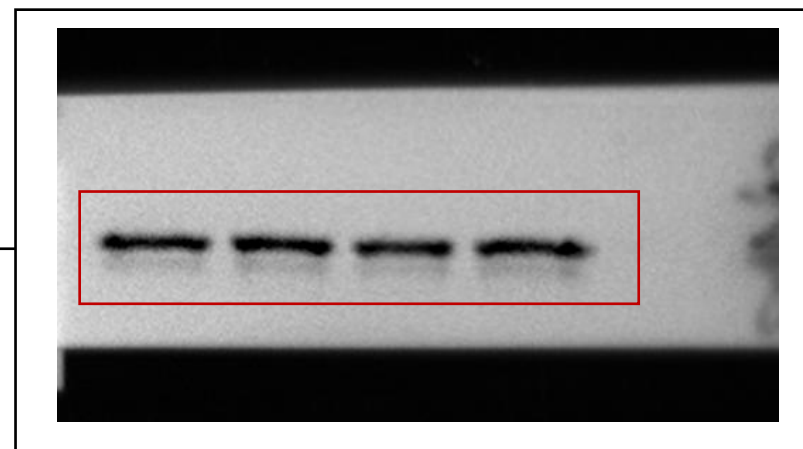
130kDa
100kDa

input His
36kDa



40kDa
35kDa

input
GAPDH
37kDa



40kDa
35kDa

Figure 6G

His-HuR	+	+	+	+	+	+	+	+	+	+	+	+
Flag-USP20-WT				+	+	+						
Flag-USP20-C154							+	+	+			
Flag-USP20-H645										+	+	+

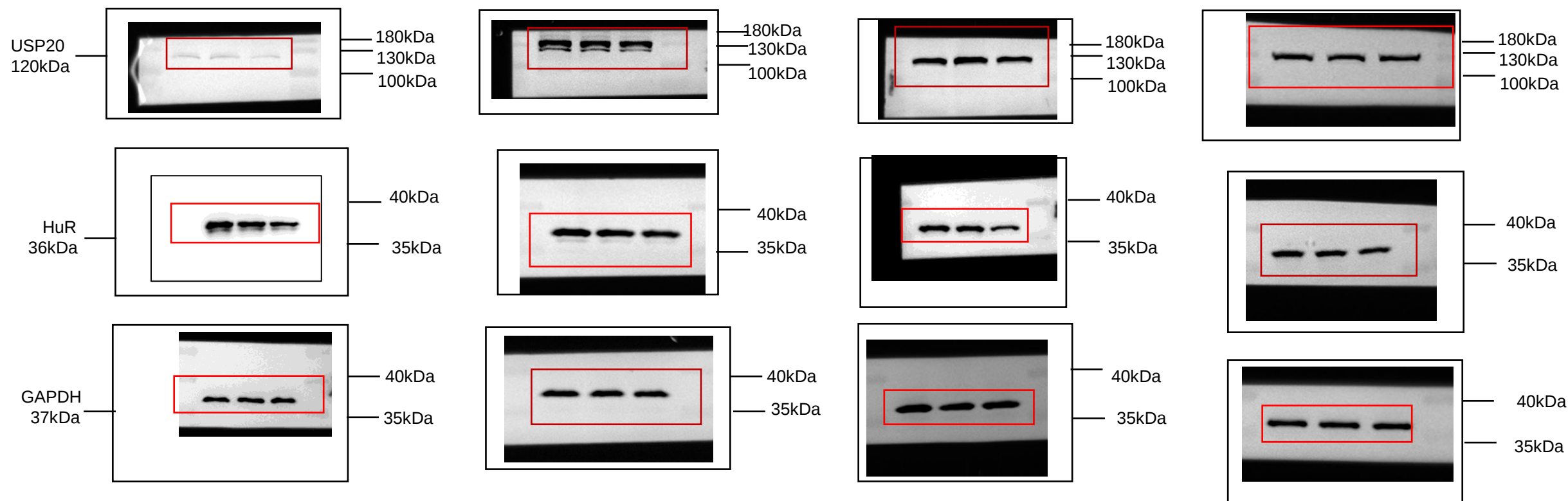


Figure 6I

IP	Flag			IgG
His-HuR	+	+	+	+
Flag-USP20-WT	+	-	-	-
Flag-USP20-C154	-	+	-	-
Flag-USP20-H645	-	-	+	-

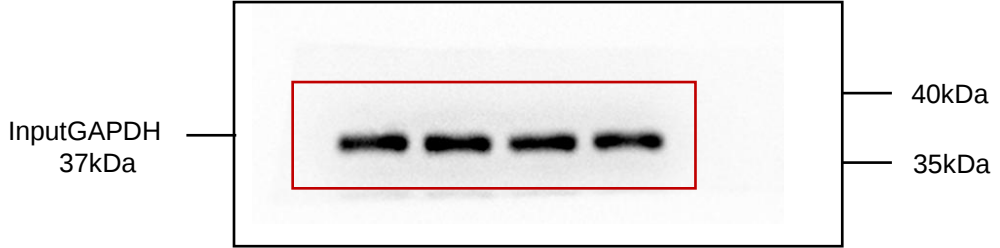
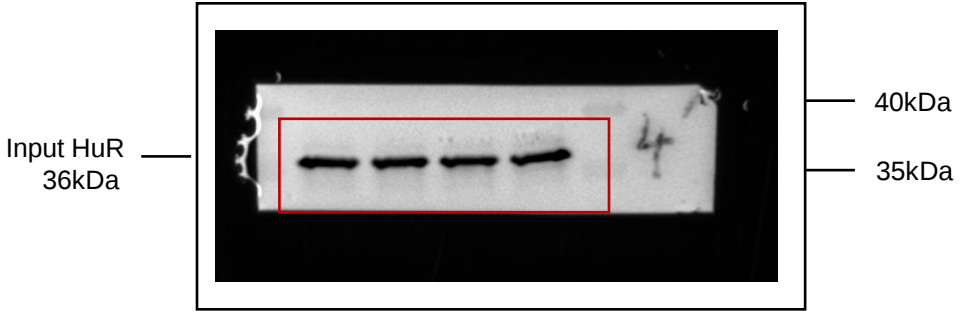
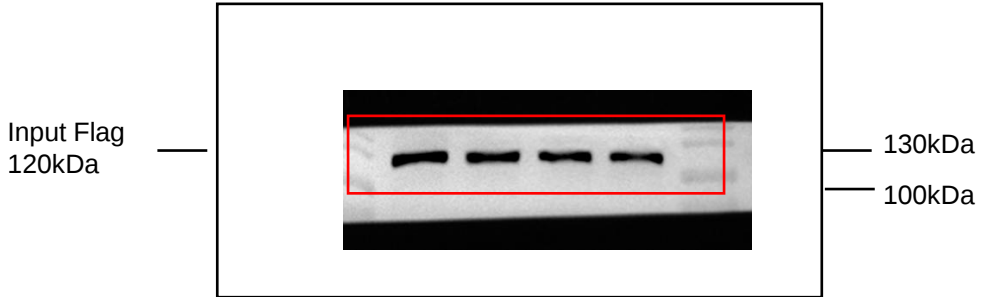
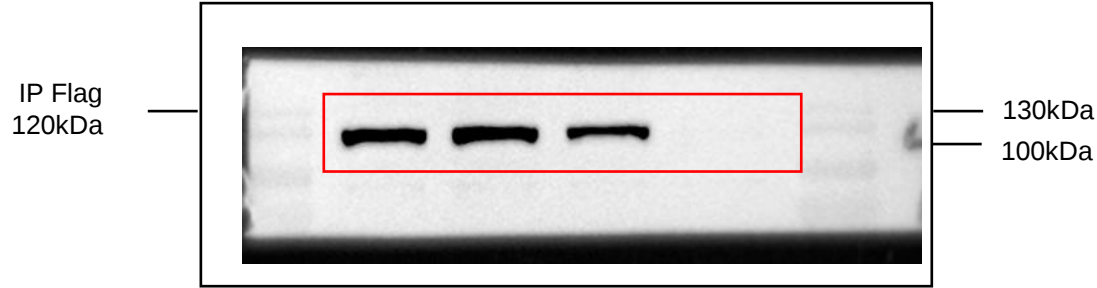
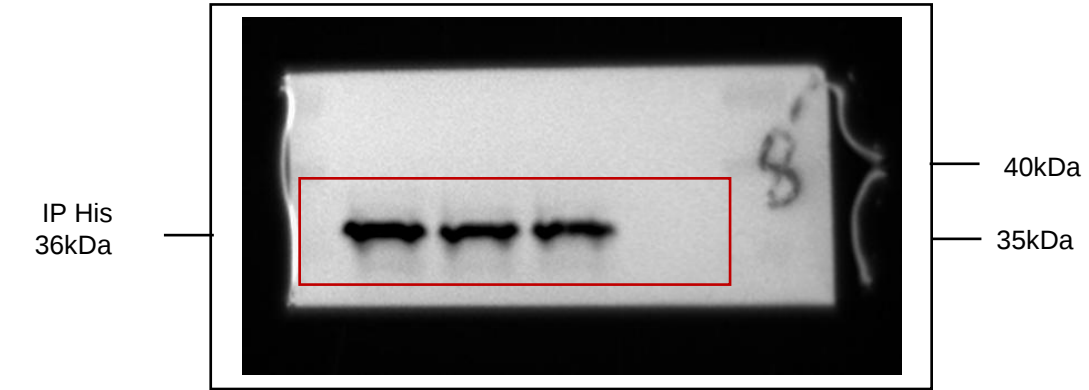
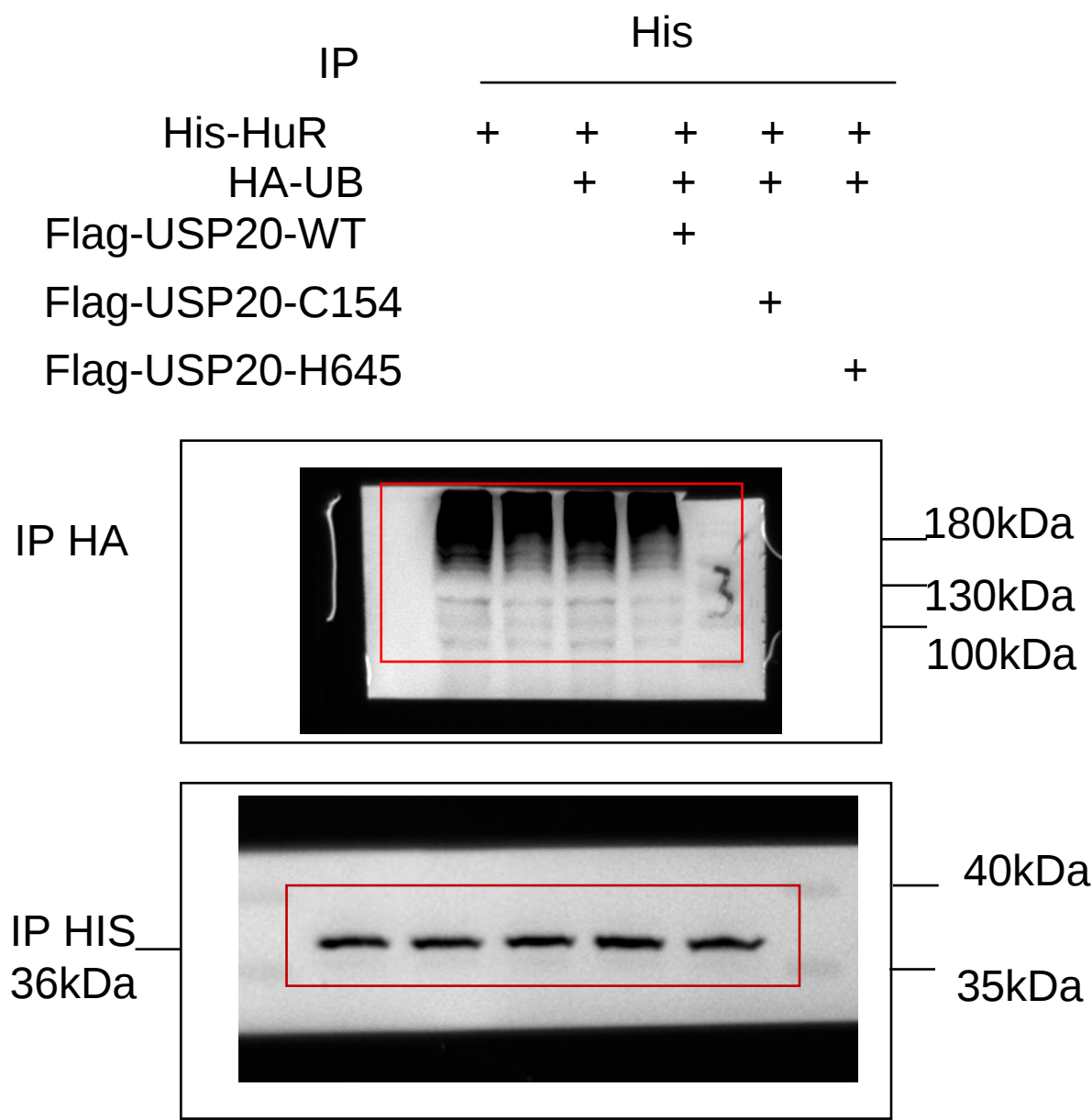
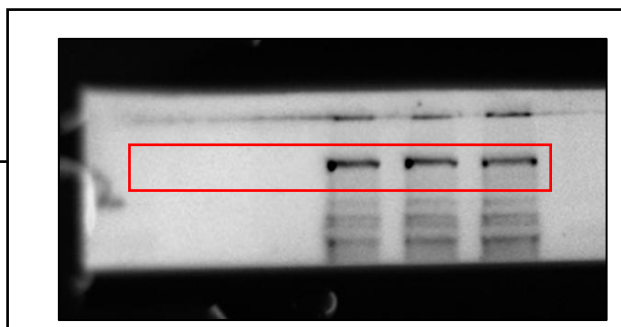


Figure 6J

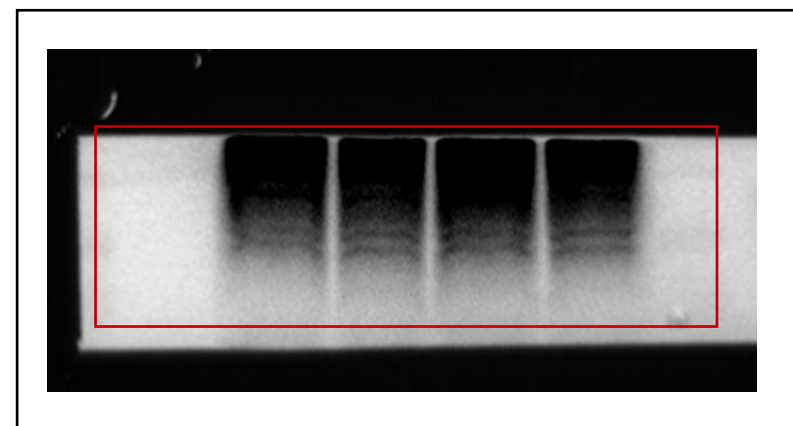


input Flag
120kDa



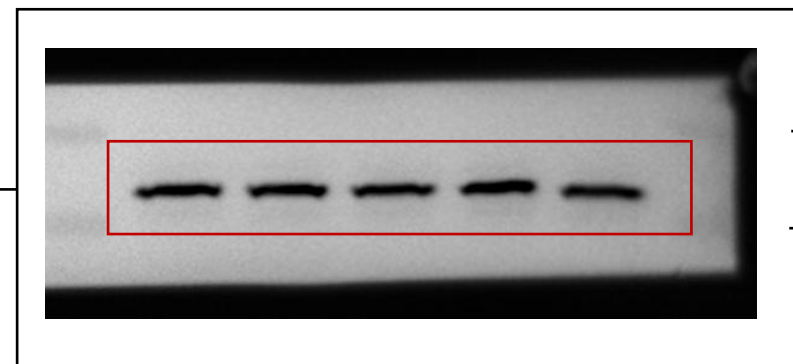
130kDa
100kDa

input HA



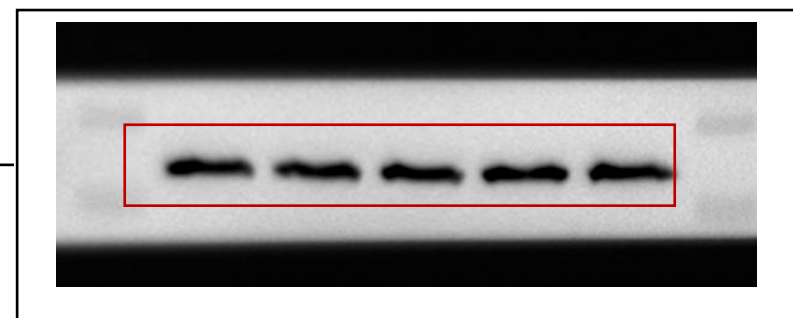
130kDa
100kDa

input His
36kDa



40kDa
35kDa

input GAPDH
37kDa



40kDa
35kDa

Dox	+	+
Flag-USP20	-	+
siHuR	+	+

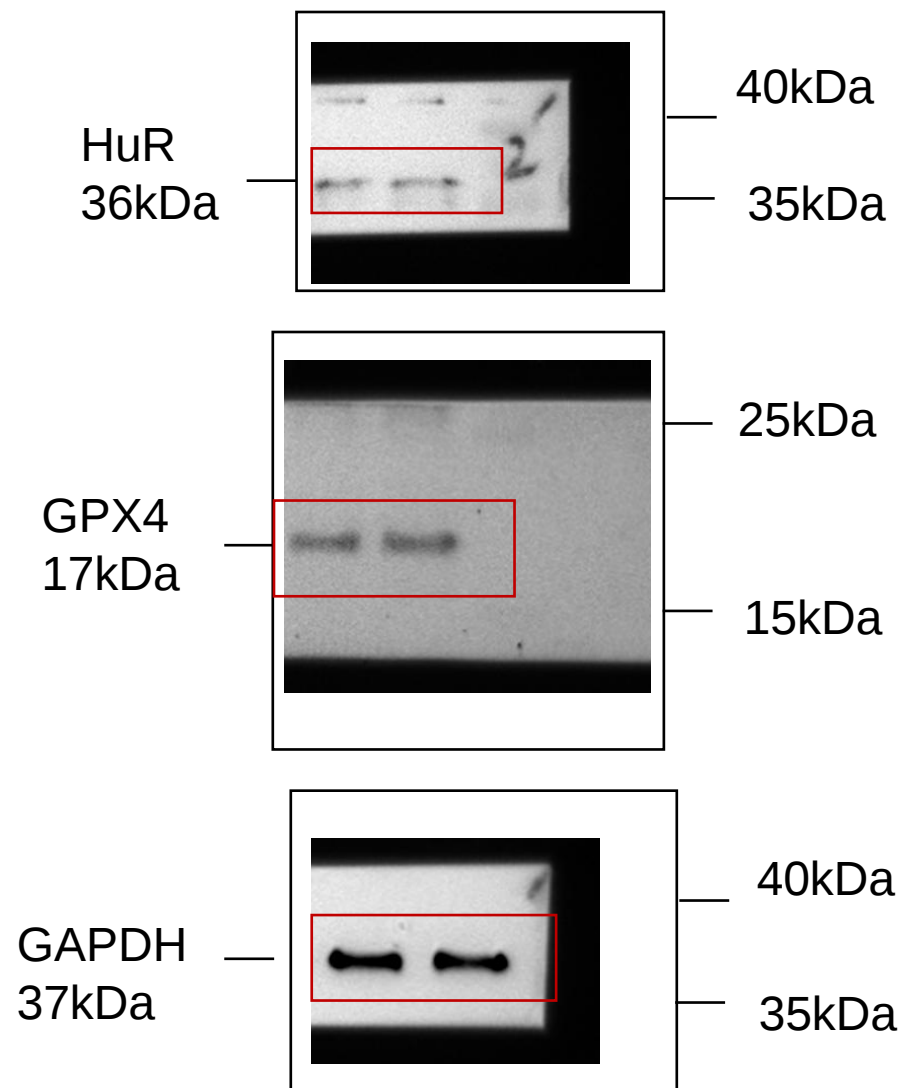
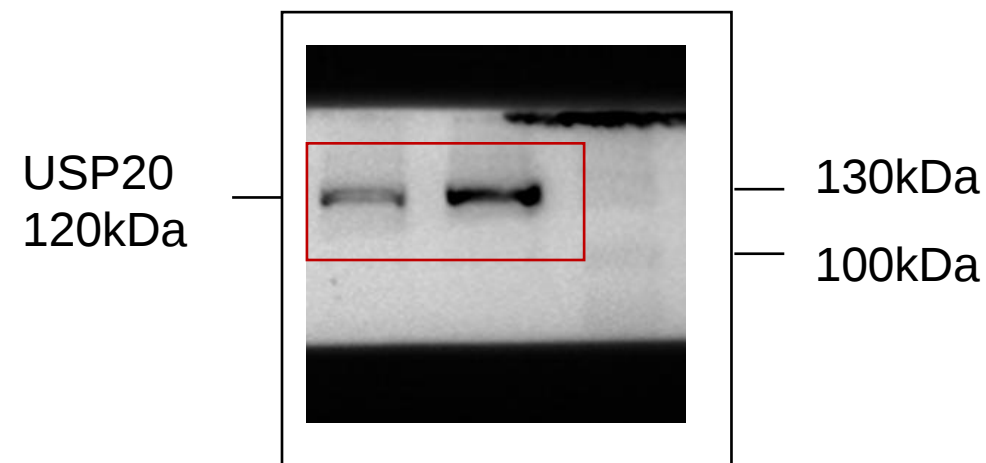
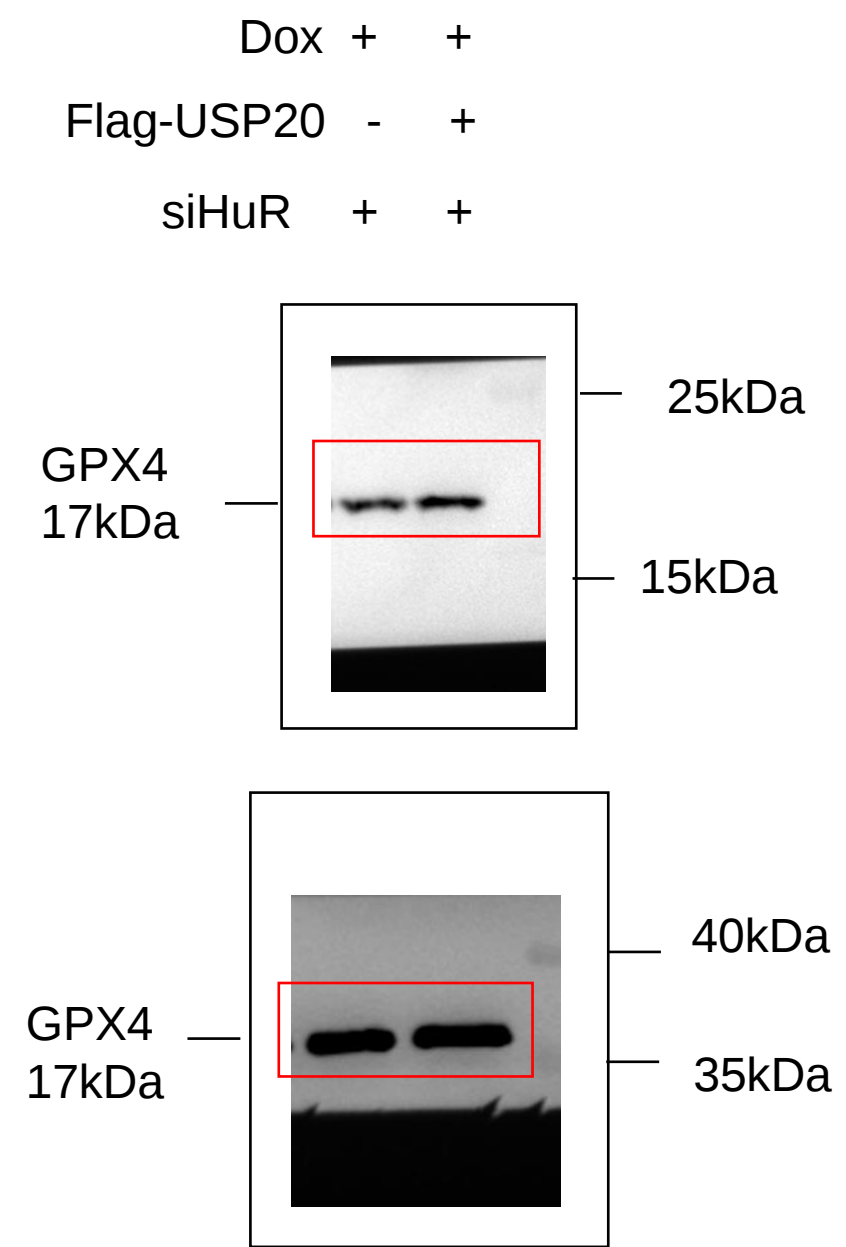
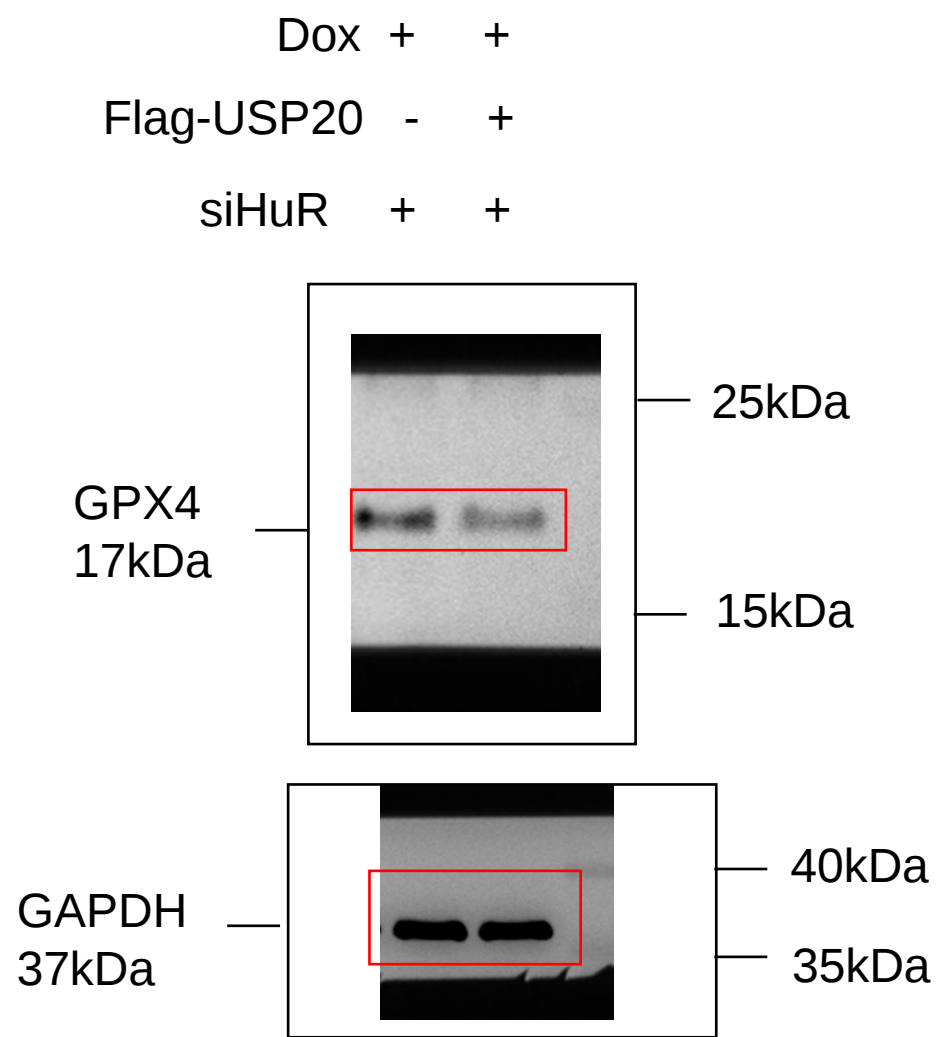


Figure 7U

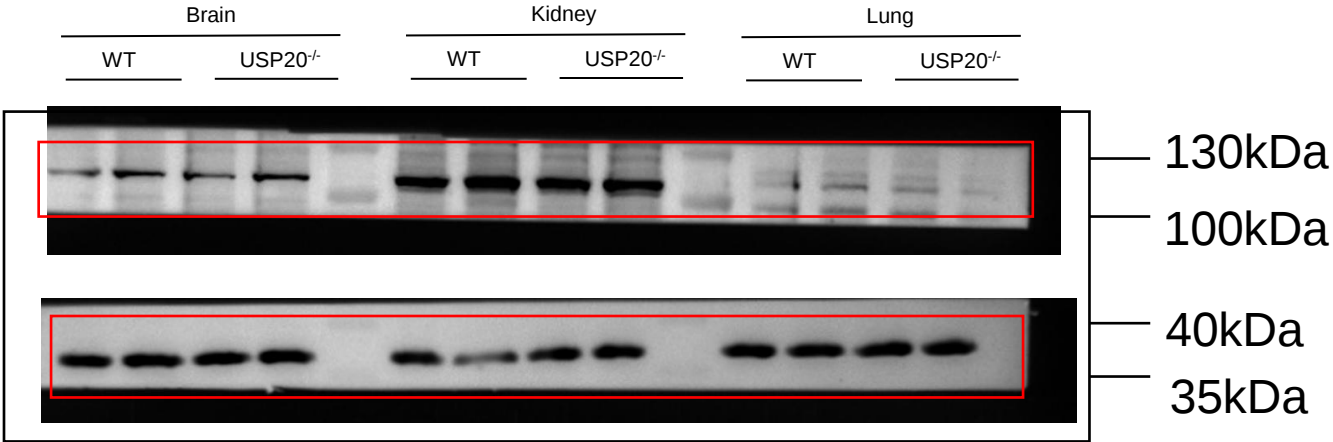




Supplementar
y Figure 1D

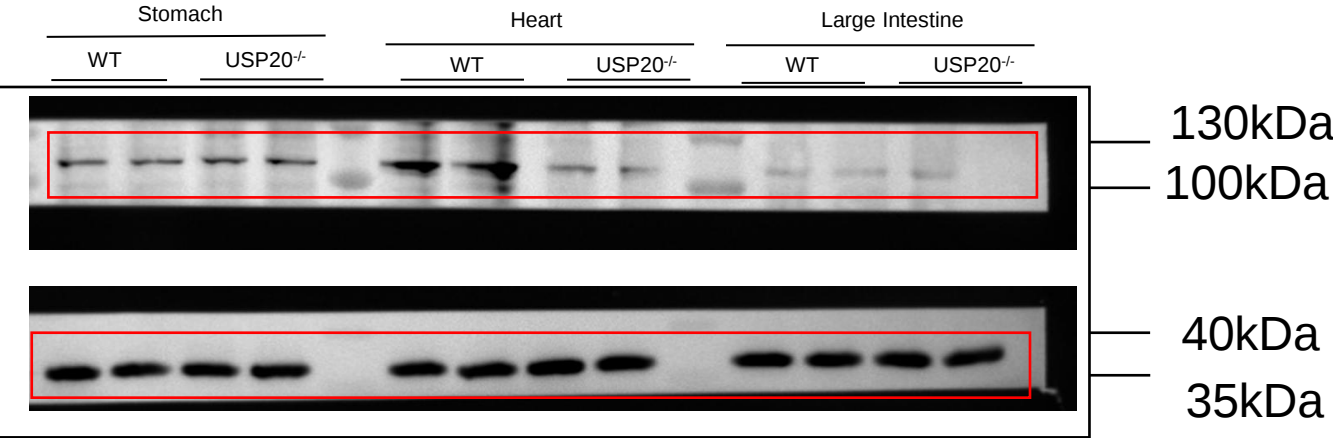
USP20
120kDa

GAPDH
37kDa



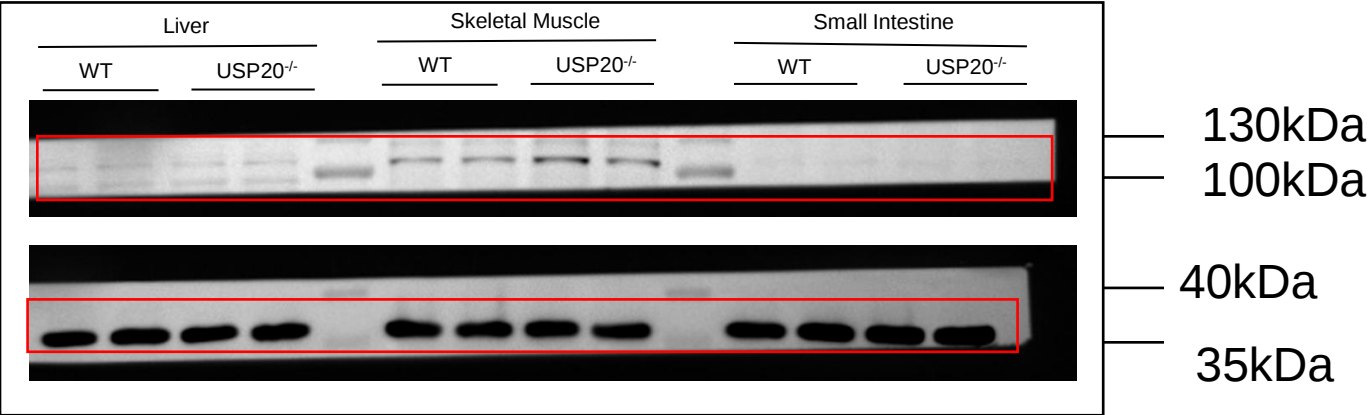
USP20
120kDa

GAPDH
37kDa

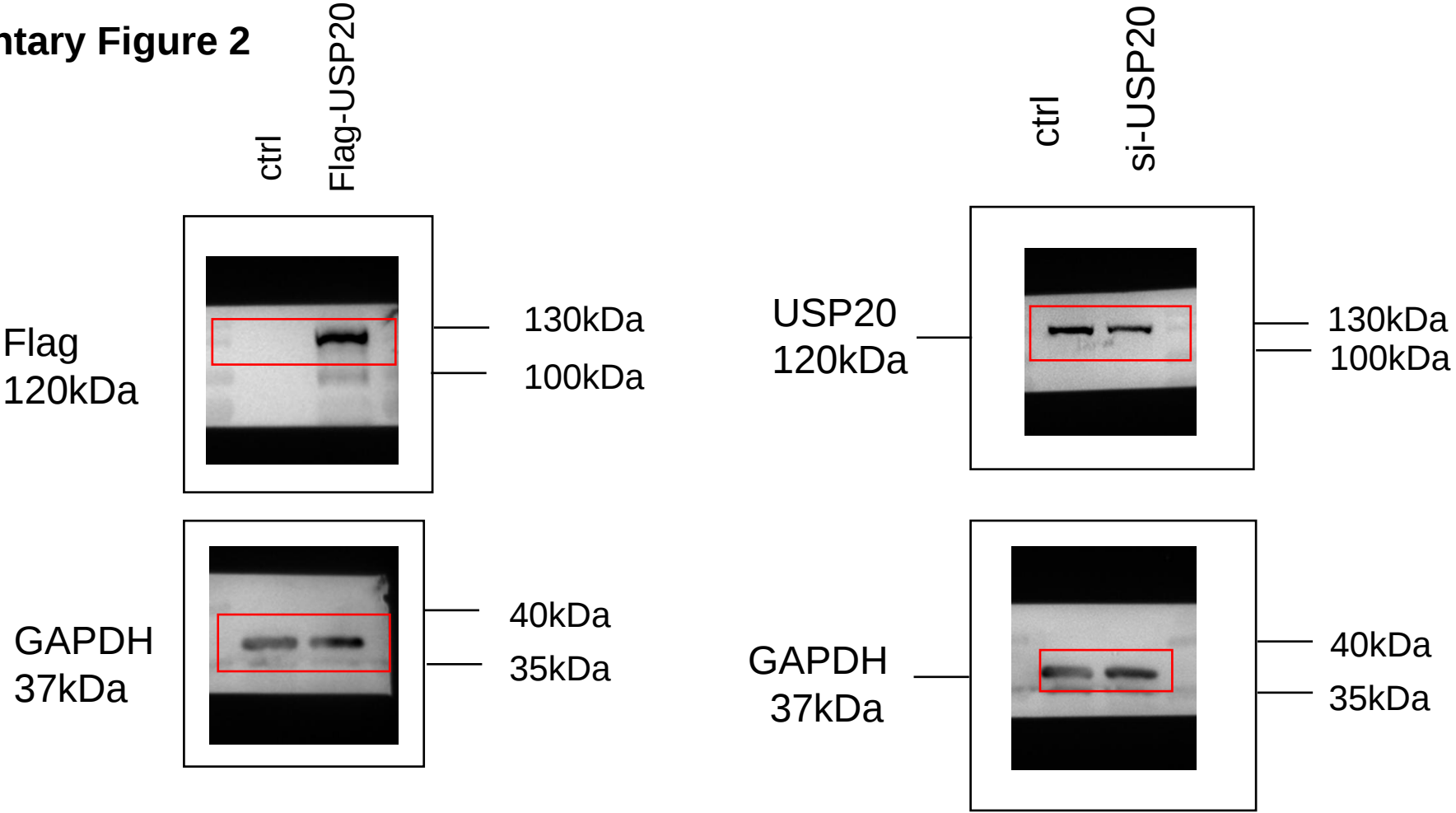


USP20
120kDa

GAPDH
37kDa

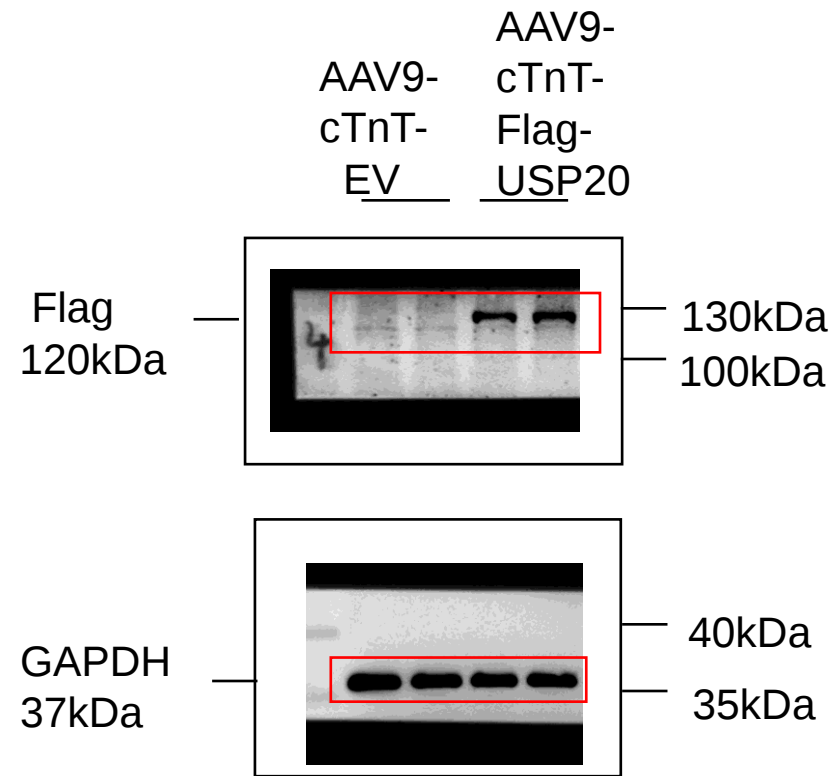


Supplementary Figure 2

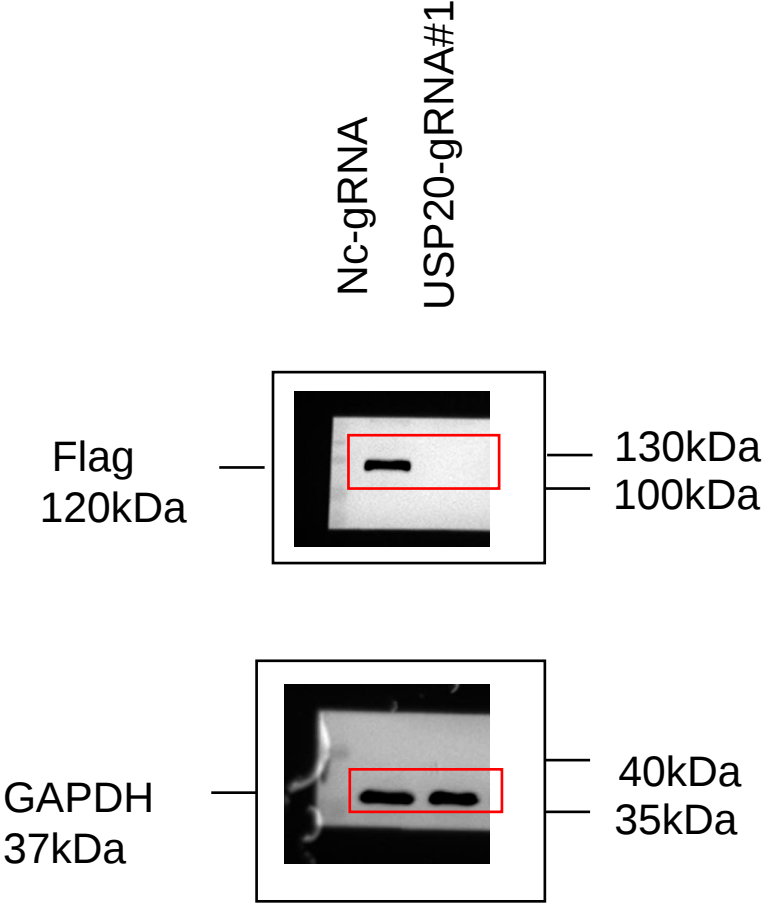


Primary cardiomyocytes

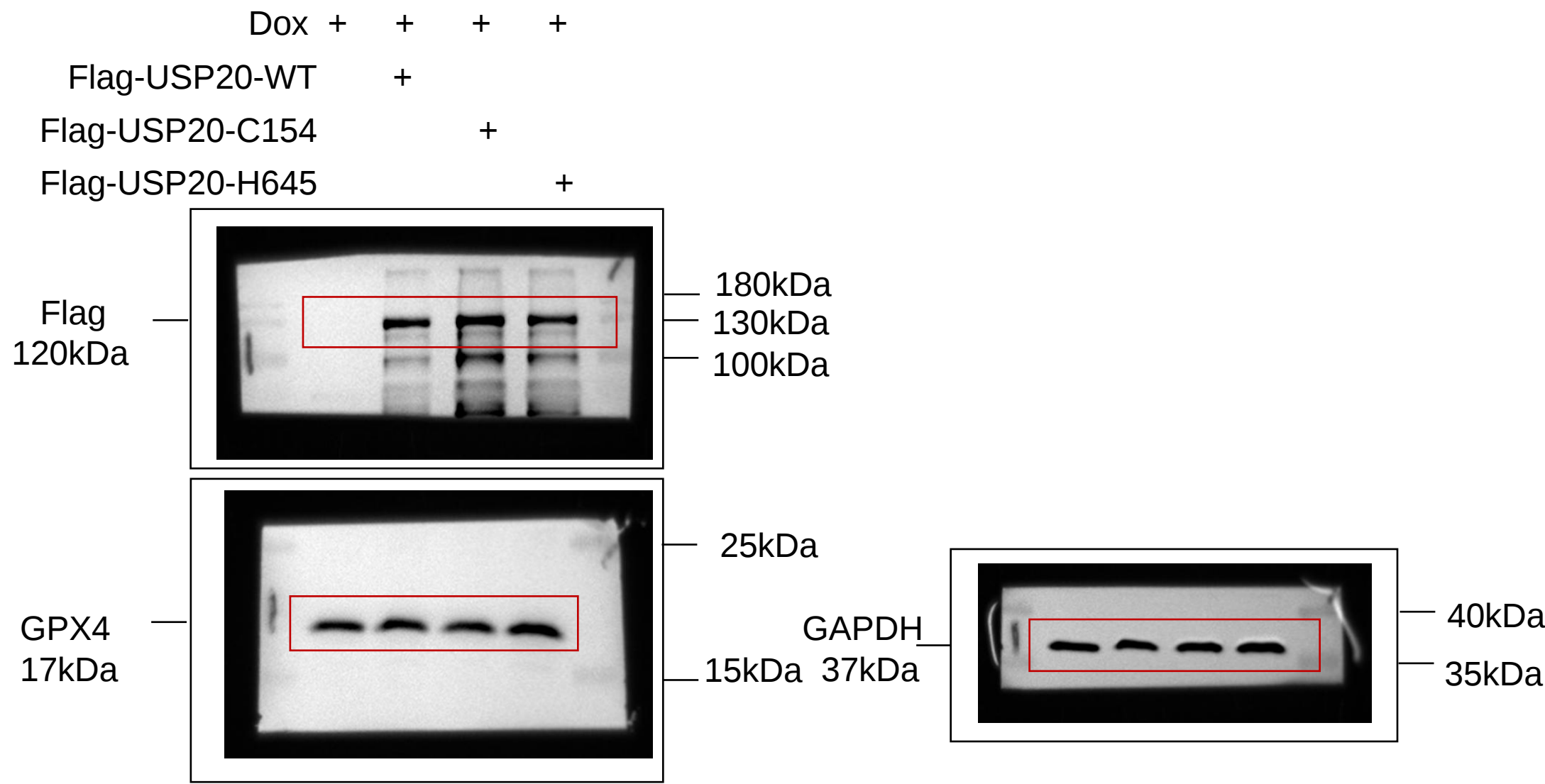
Supplementary Figure 3



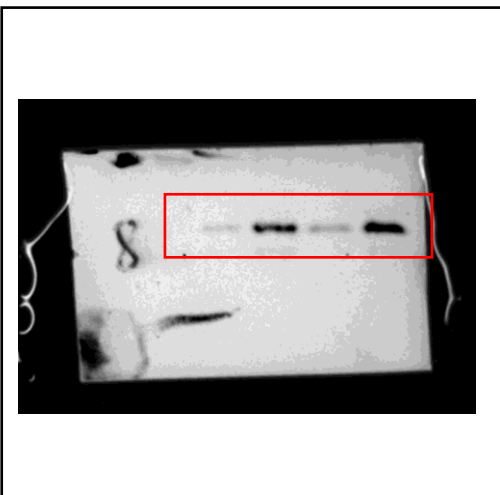
Supplementary Figure 4



Supplementary Figure 5

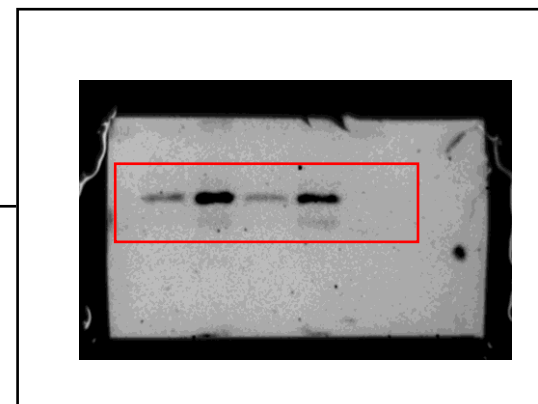


GPX4
17kDa



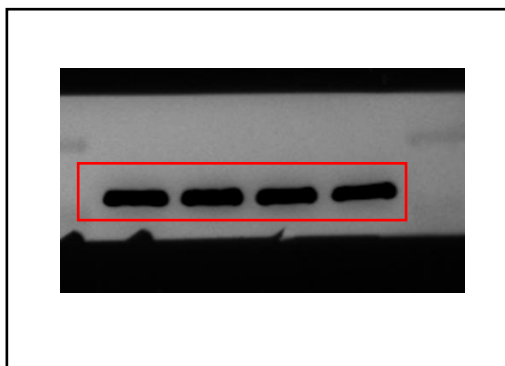
25kDa
15kDa

GPX4
17kDa



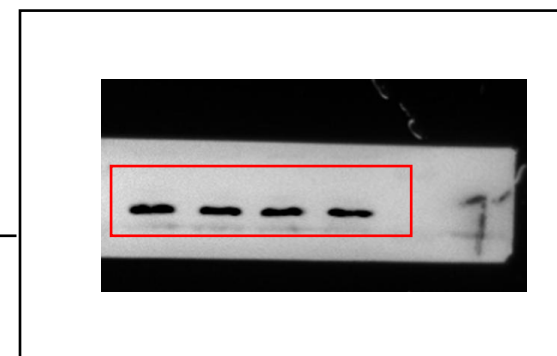
25kDa
15kDa

GAPDH
37kDa



40kDa
35kDa

GAPDH
37kDa



40kDa
35kDa

Supplementary Figure 6

