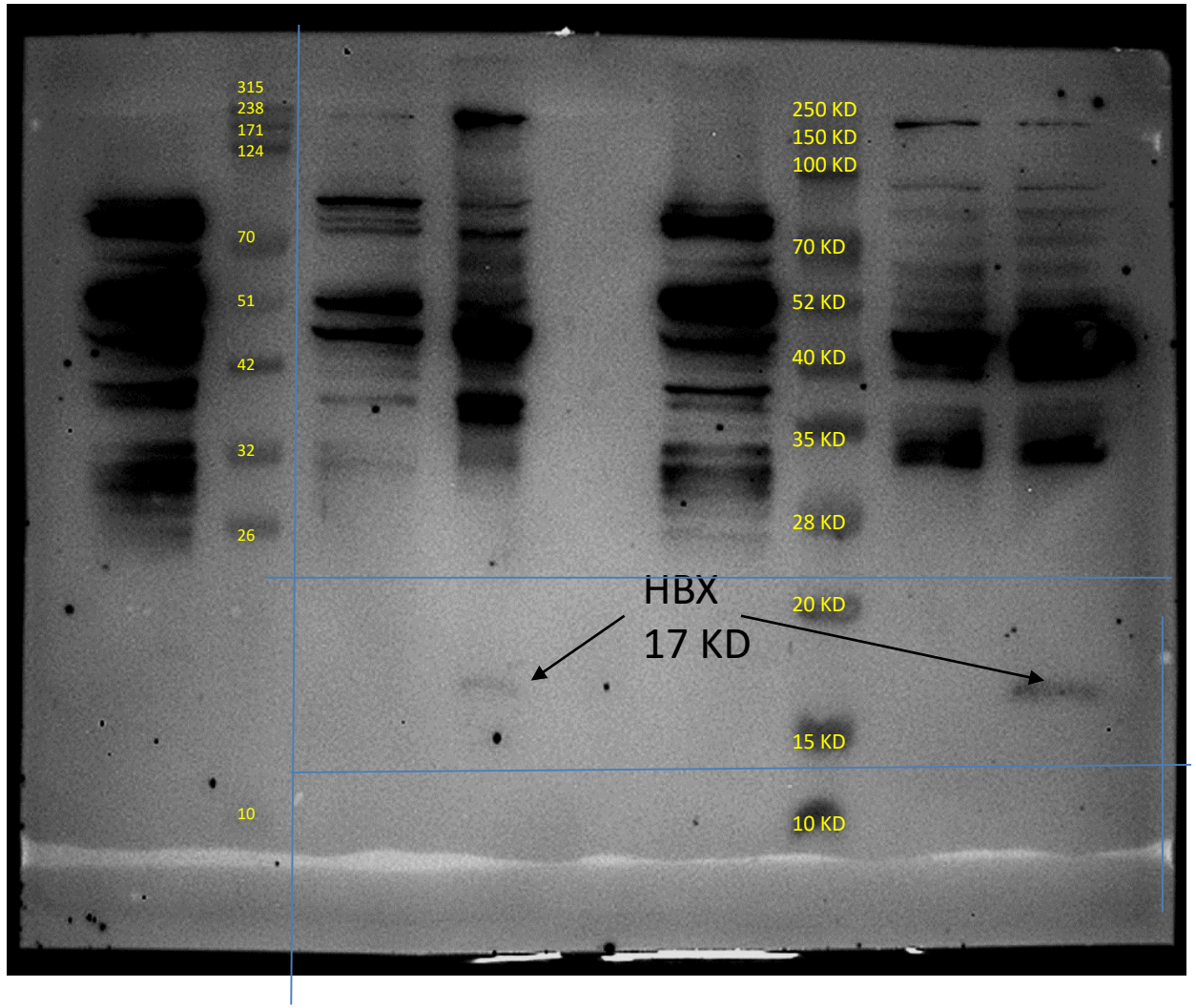
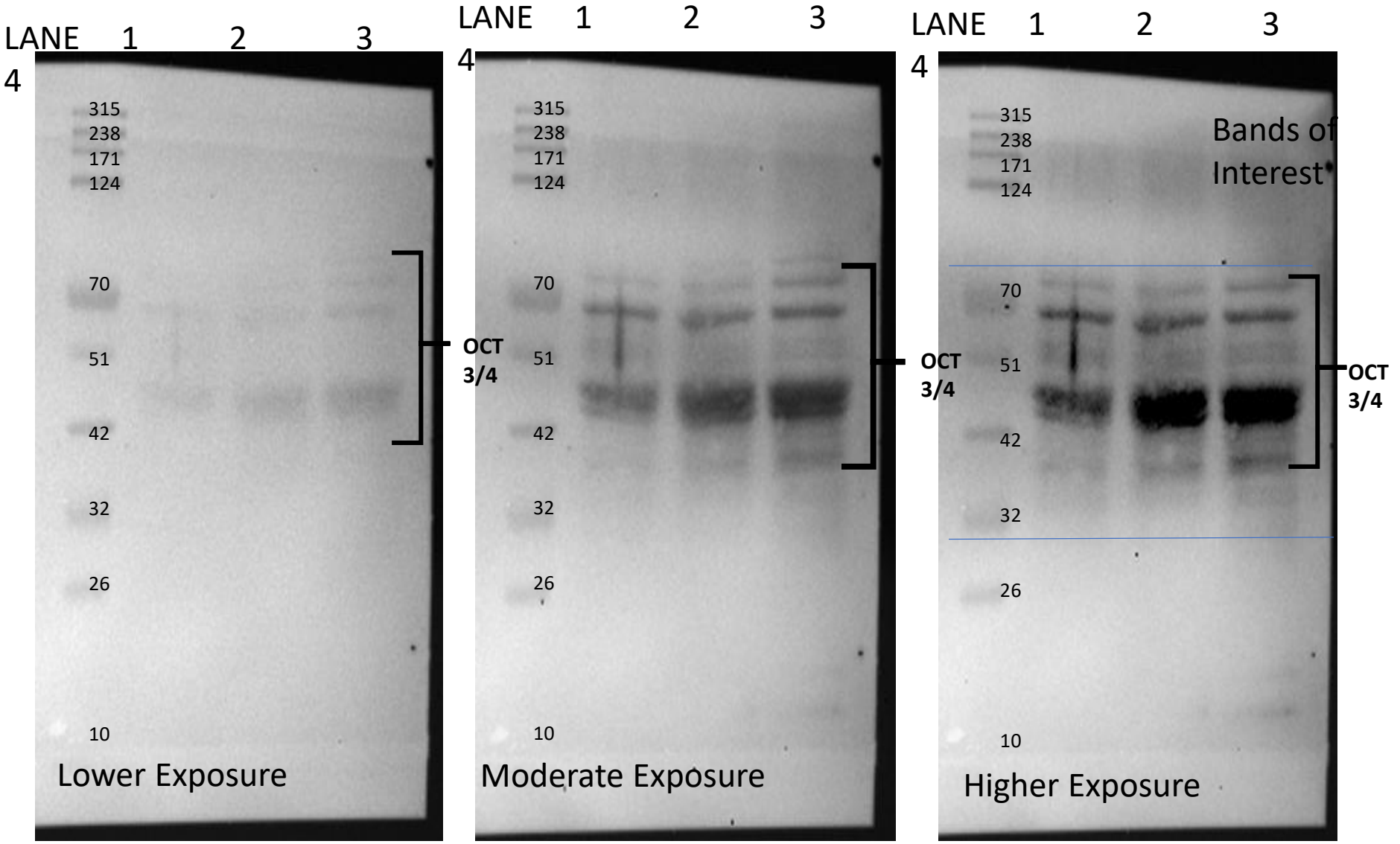
LANE 1 2 3 4 5 6 7 8



LANE	SAMPLE
1	ES
2	MARKER 1
3	Fibroblast control
4	Fibroblast Tx pHBx
5	----------
6	ES
7	HEK Control
8	HEK Tx pHBx

Figure-1A



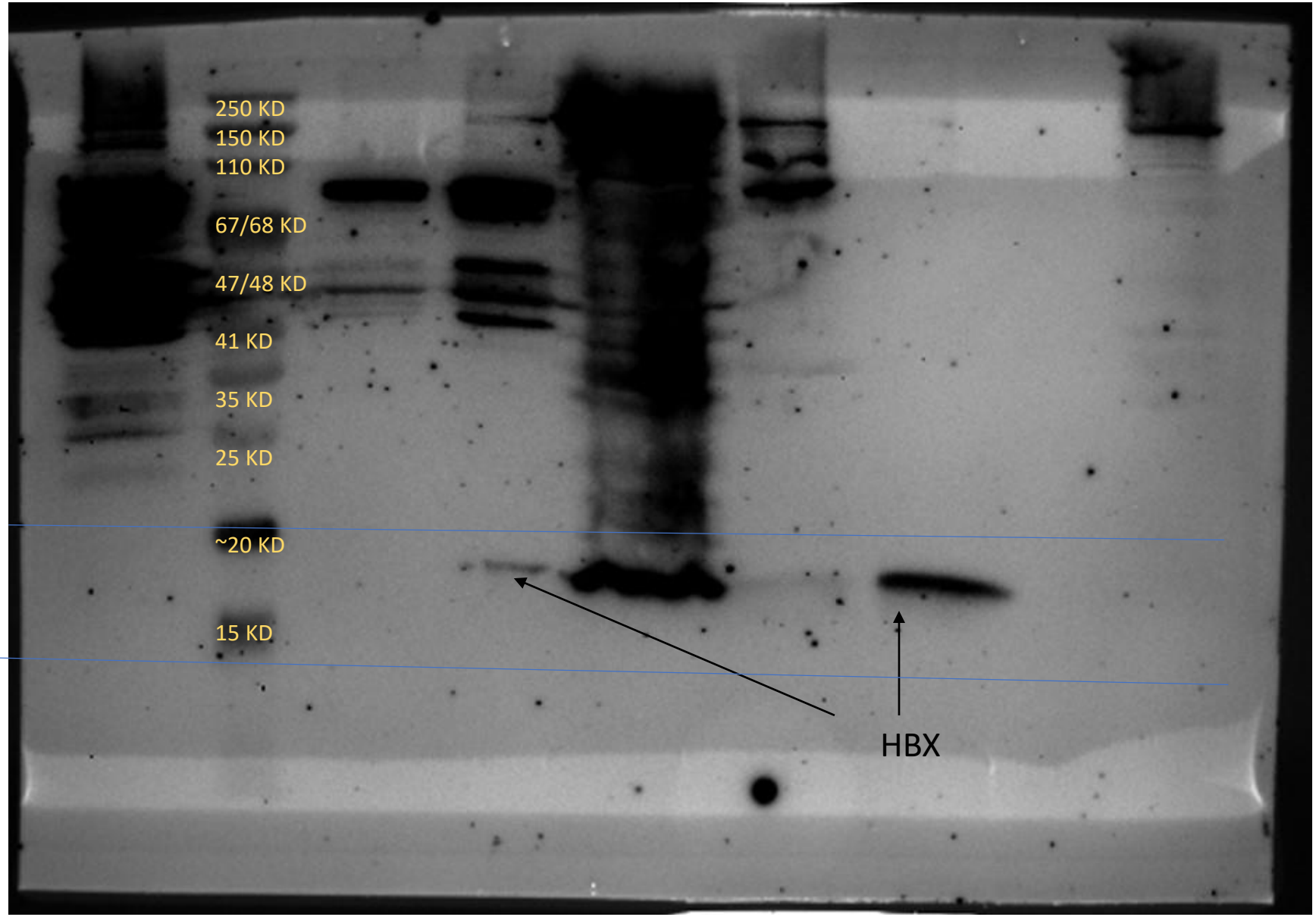
Lane	Sample
1	IPSC(10 ul)
2	IPSC(15 ul)
3	IPSC(20 ul)

MW of OCT-3/4A 52 KD
MW of OCT-3/4B 45 KD

I have marked the total band position referring to the datasheet of the antibody(SC-5279). Although I have marked separately our bands of interest as far as my understanding considering the multiple isoforms of OCT based on available literature.

Figure-D-g

Figure-1-E-a
W/B

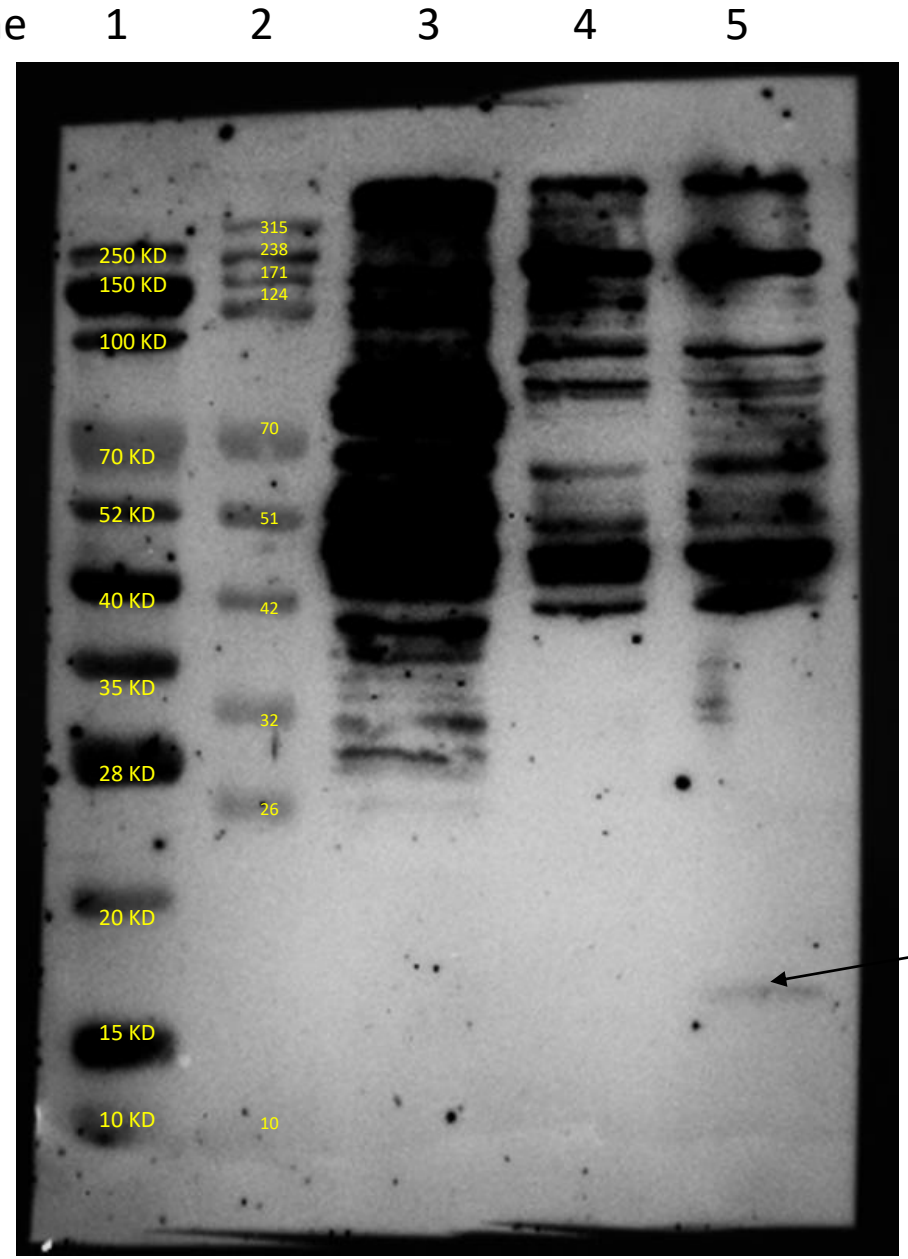


Lane	Sample
0	HBx-iPSC
1	Marker
2	Fib control
3	Fib pHBX TF
4	HEK pHBX TF 5mcg
5	NIIHEKHBX TF 0.5mcg
6	HEK HBX TF 2 mcg
7	HEK Control
8	HEK Control-3x

12% GEL
Blocked with 5% BSA
Primary antibody:
Hepatitis B Virus X
Monoclonal Antibody
(X36C)[MA1-081]: 1:1000
Secondary ab: anti-
mouse:1:10000

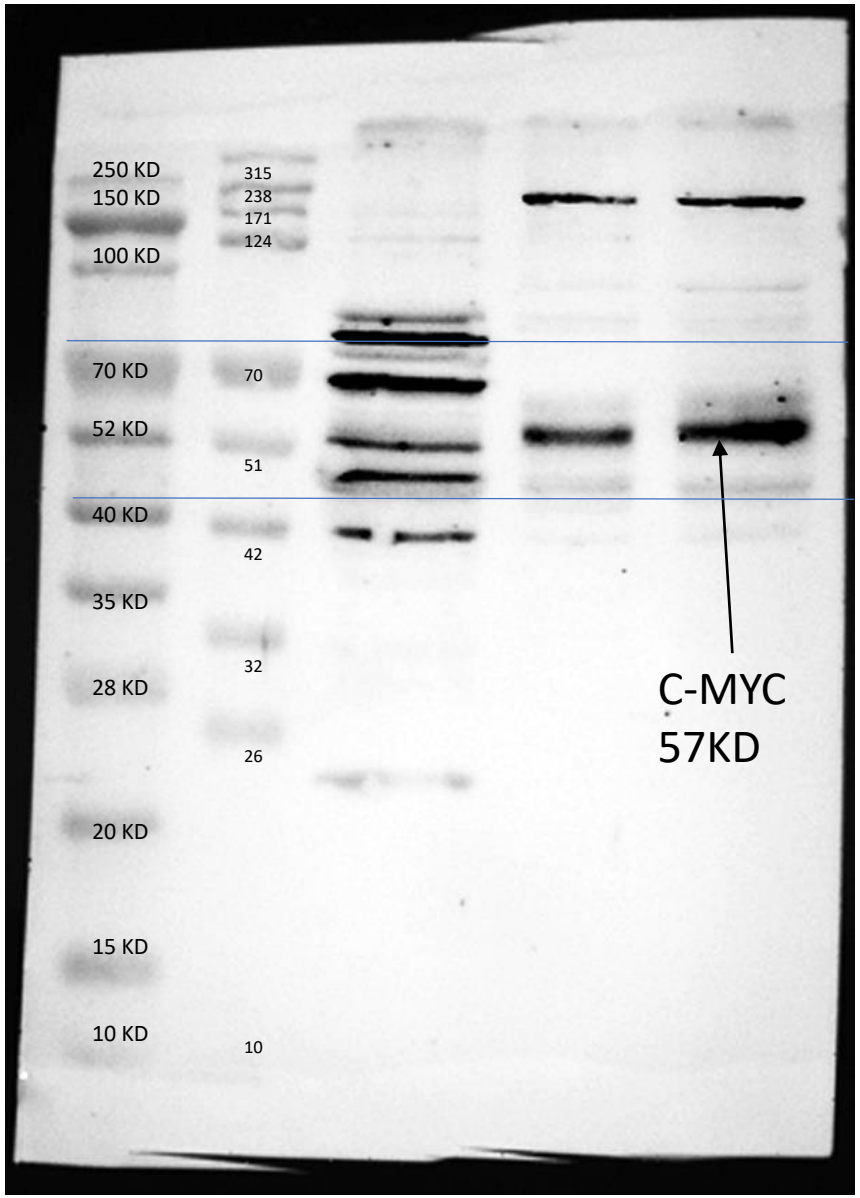
Data for HBX expression
in HEK and Fibroblast

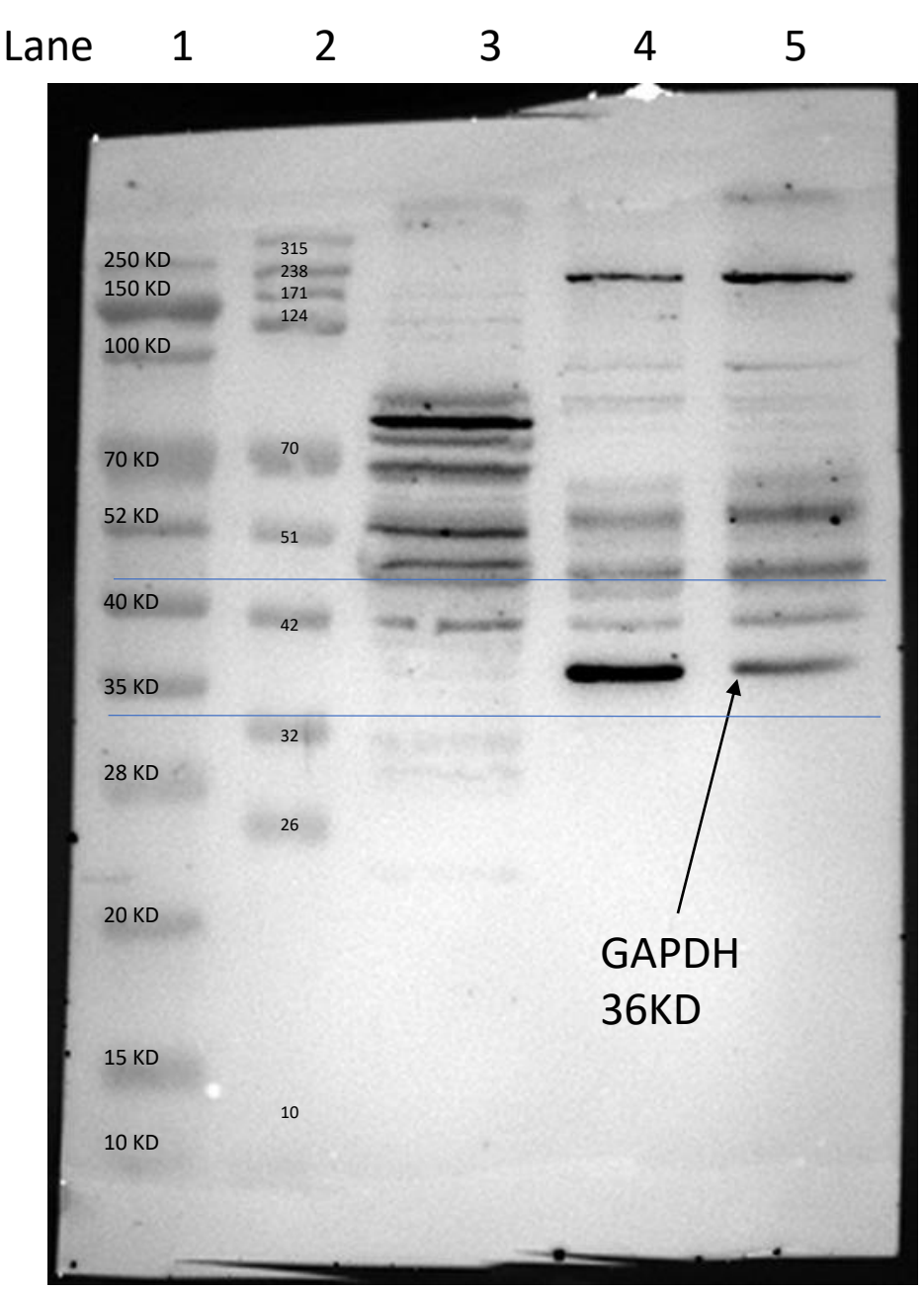
Figure-1-E-b
(DNA gel)



Lane	Sample
1	Marker 1
2	Marker 2
3	IPSC
4	HEK Control
5	HEK pHBX TF

Figure-5A
Row-1

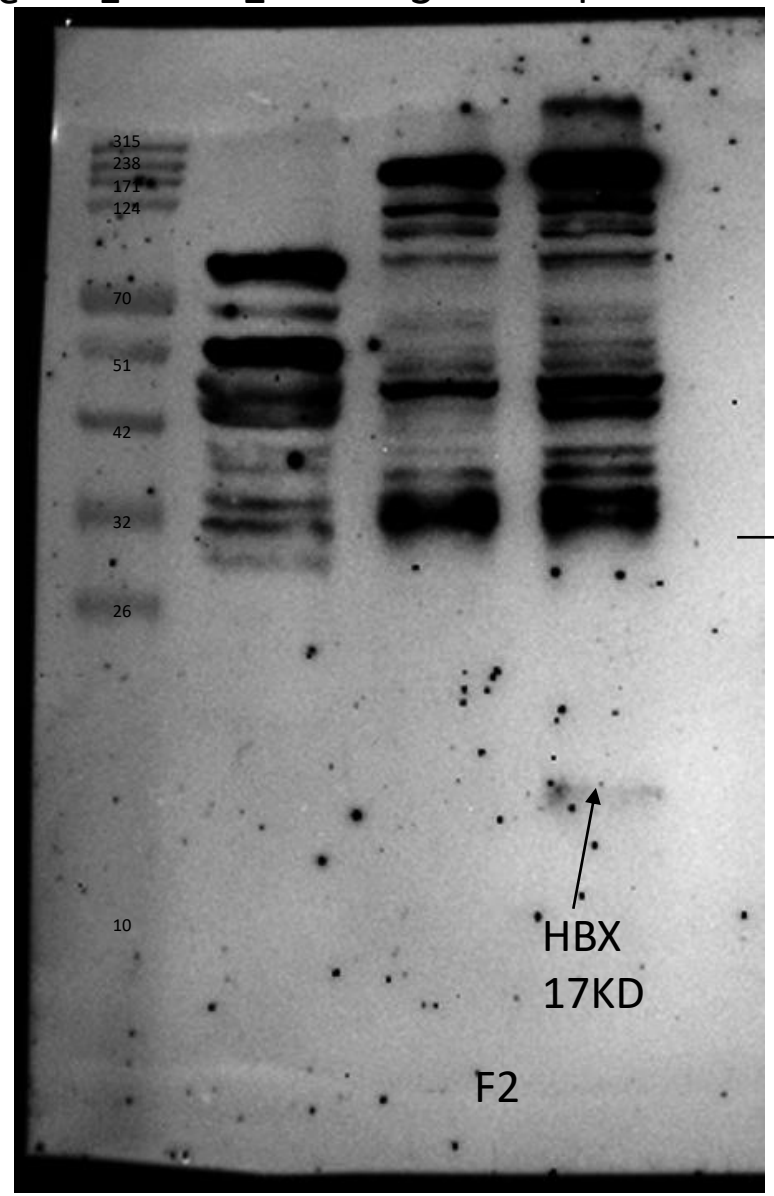




Lane	Sample
1	Marker 1
2	Marker 2
3	IPSC
4	HEK Control
5	HEK pHBX TF

HBX
↓
C-MYC
↓
GAPDH

Figure 5A
Row 2



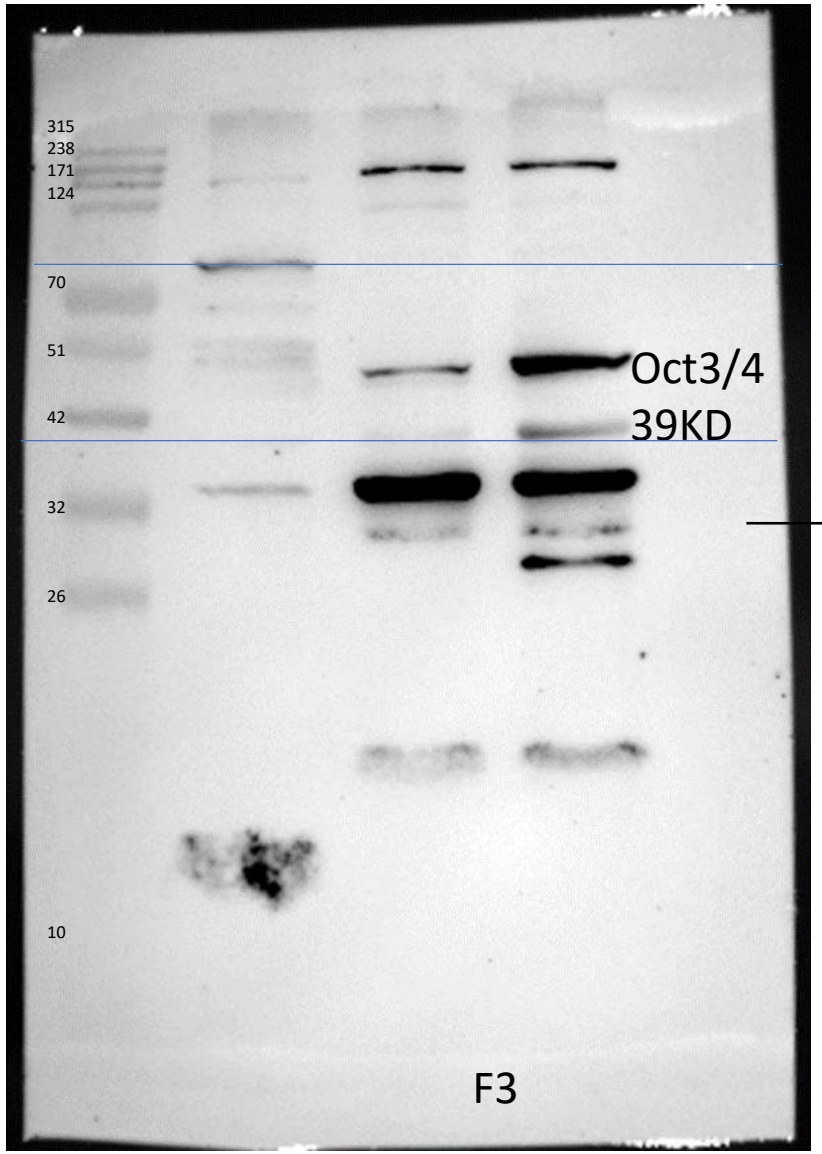


Figure 5A
Row 3

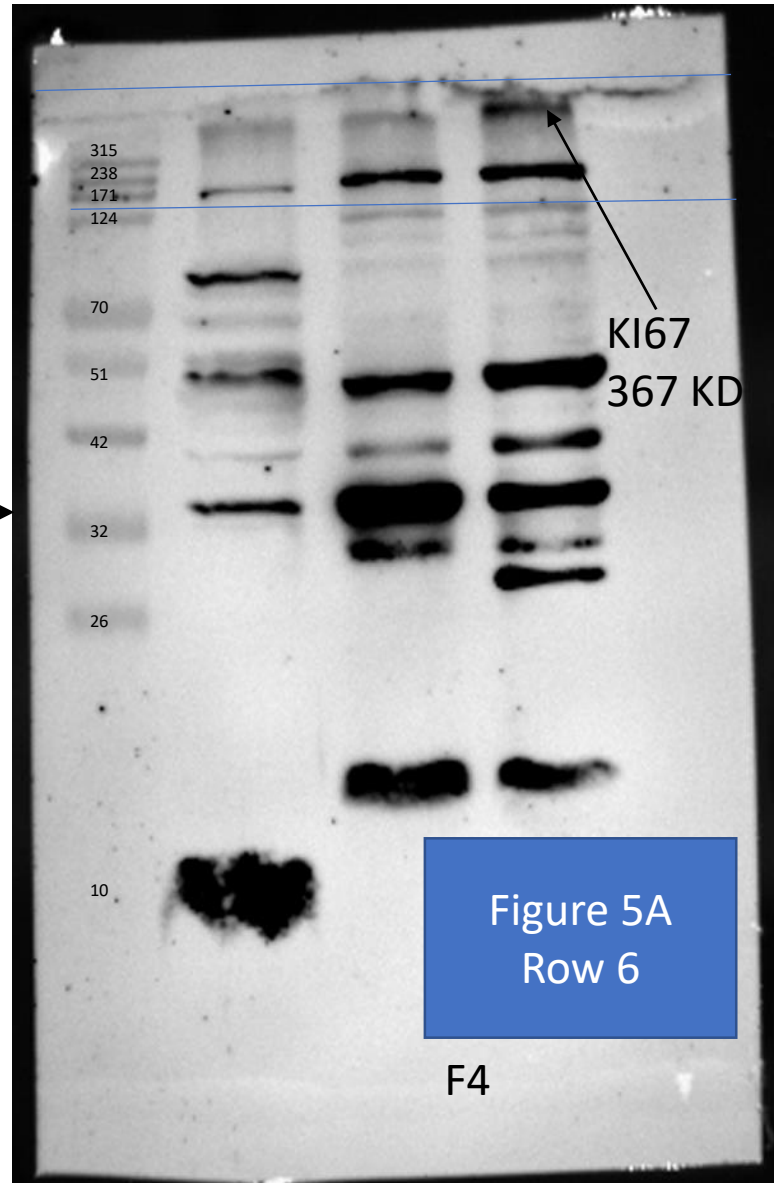
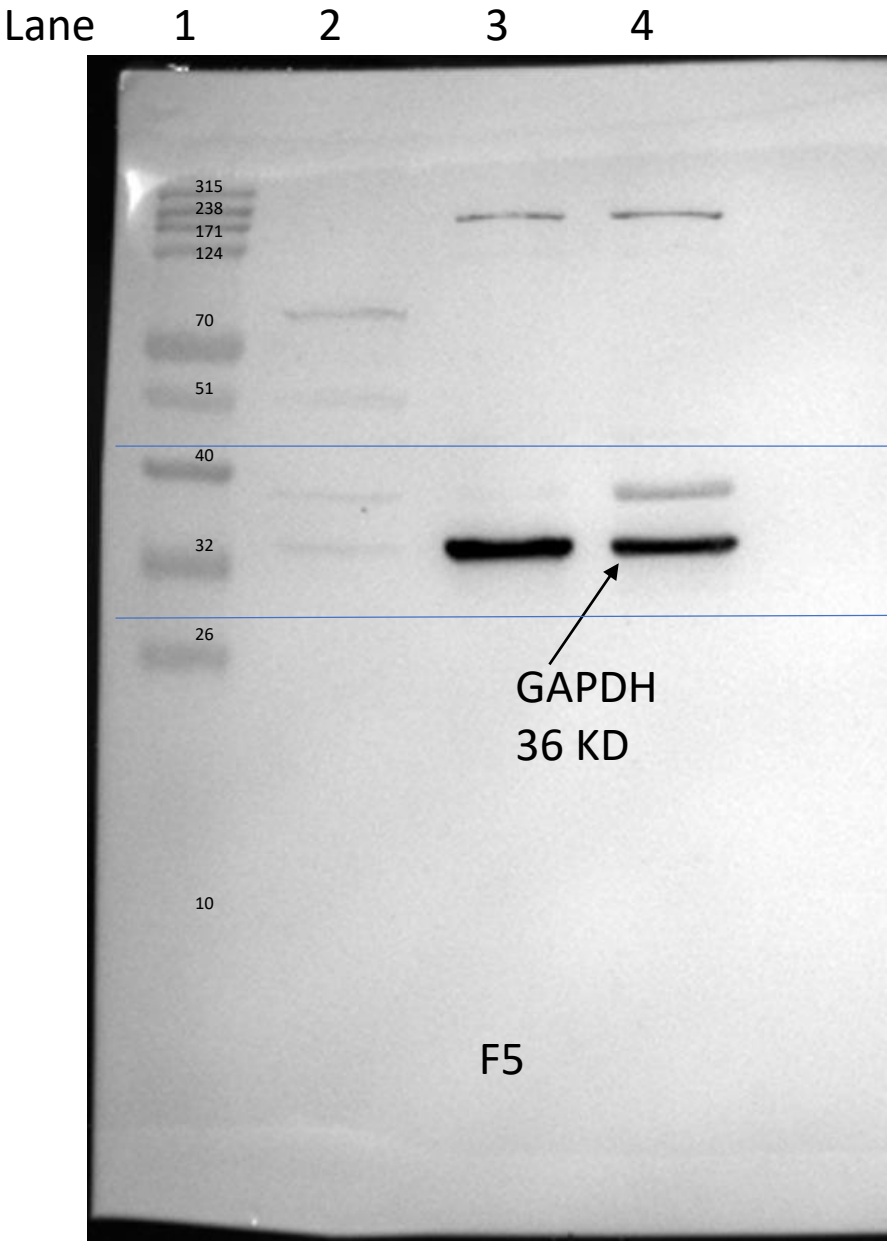
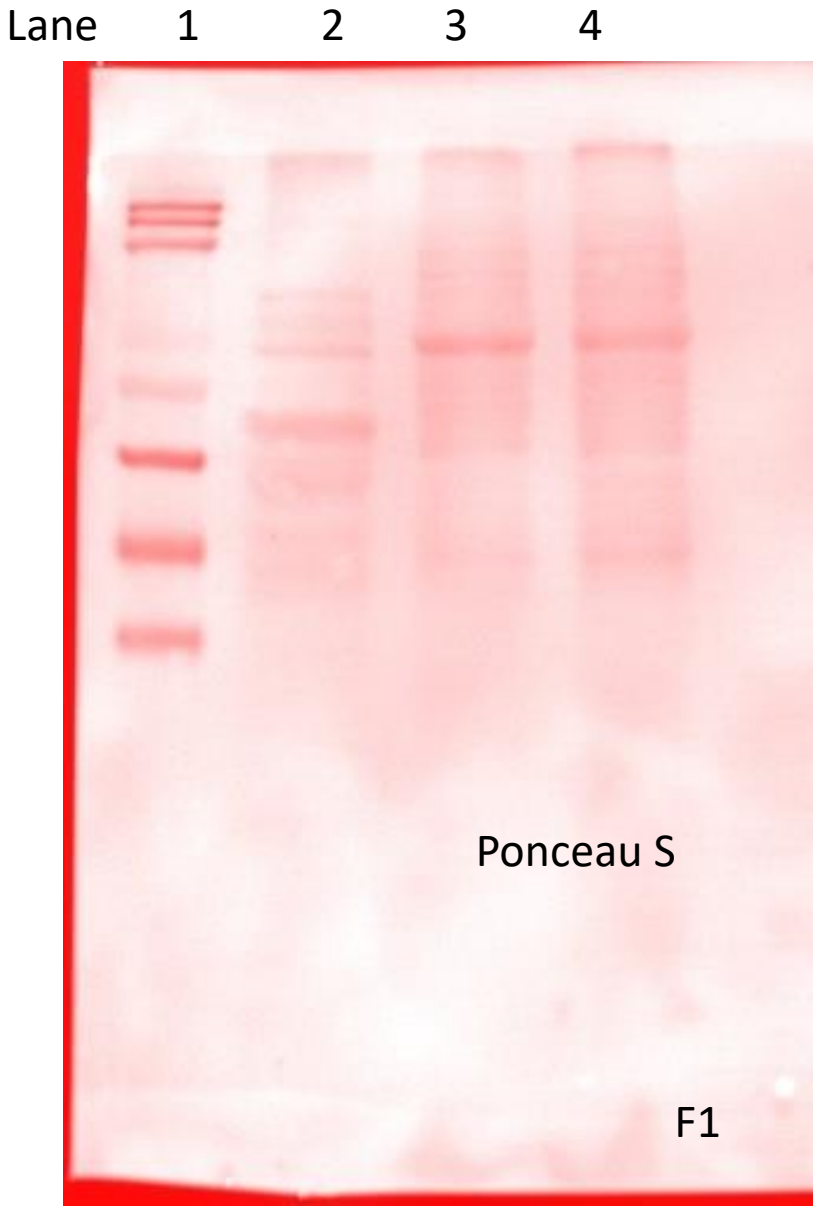


Figure 5A
Row 6

LANE	SAMPLE
1	IPSC
2	HEK CONTROL
3	HEK pHBX TF



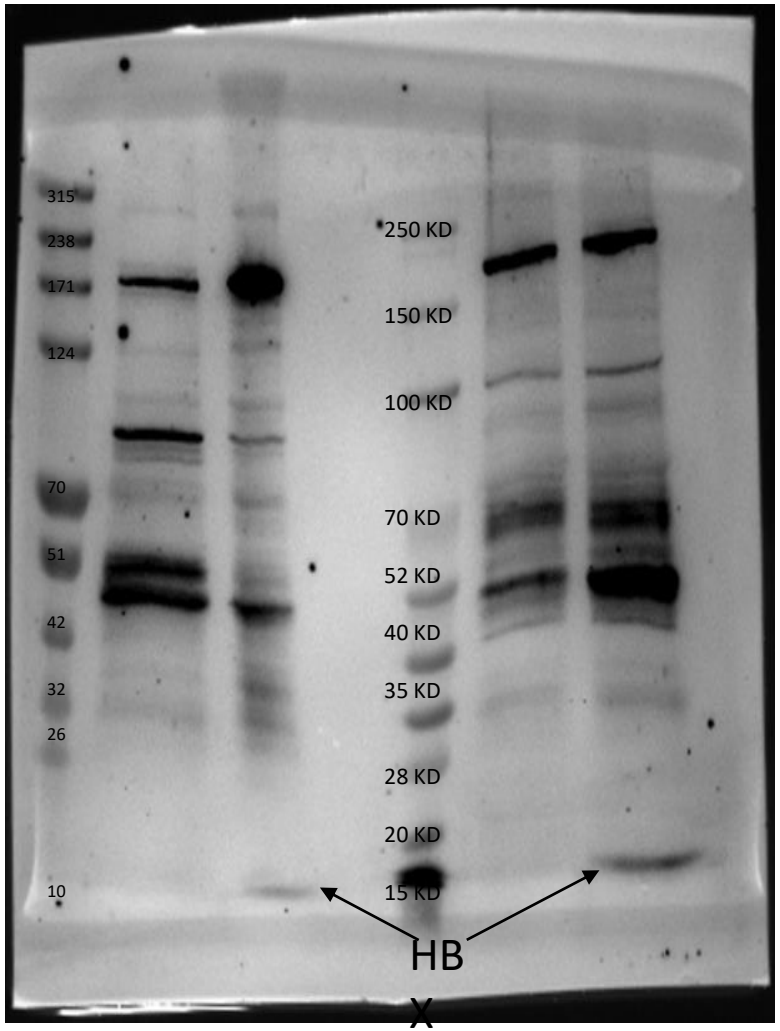


LANE	SAMPLE
1	IPSC
2	HEK CONTROL
3	HEK HBX TF

Figure 5A
Row 4

Antibody incubation order: HBX→GAPDH →KI67→OCT 3/4

LANE 1 2 3 4 5 6



LANE	SAMPLES
1	MARKER
2	HUH7 Control
3	HUH7 HBX TF
4	MARKER
5	HEK Control
6	HEK pHBX TF

LANE 1 2 3 4 5 6

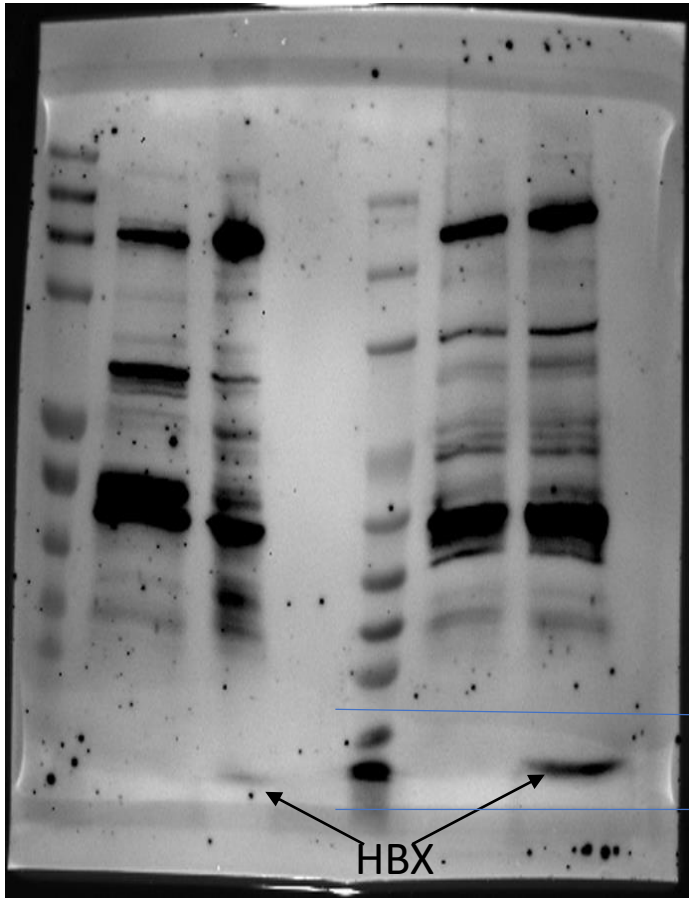
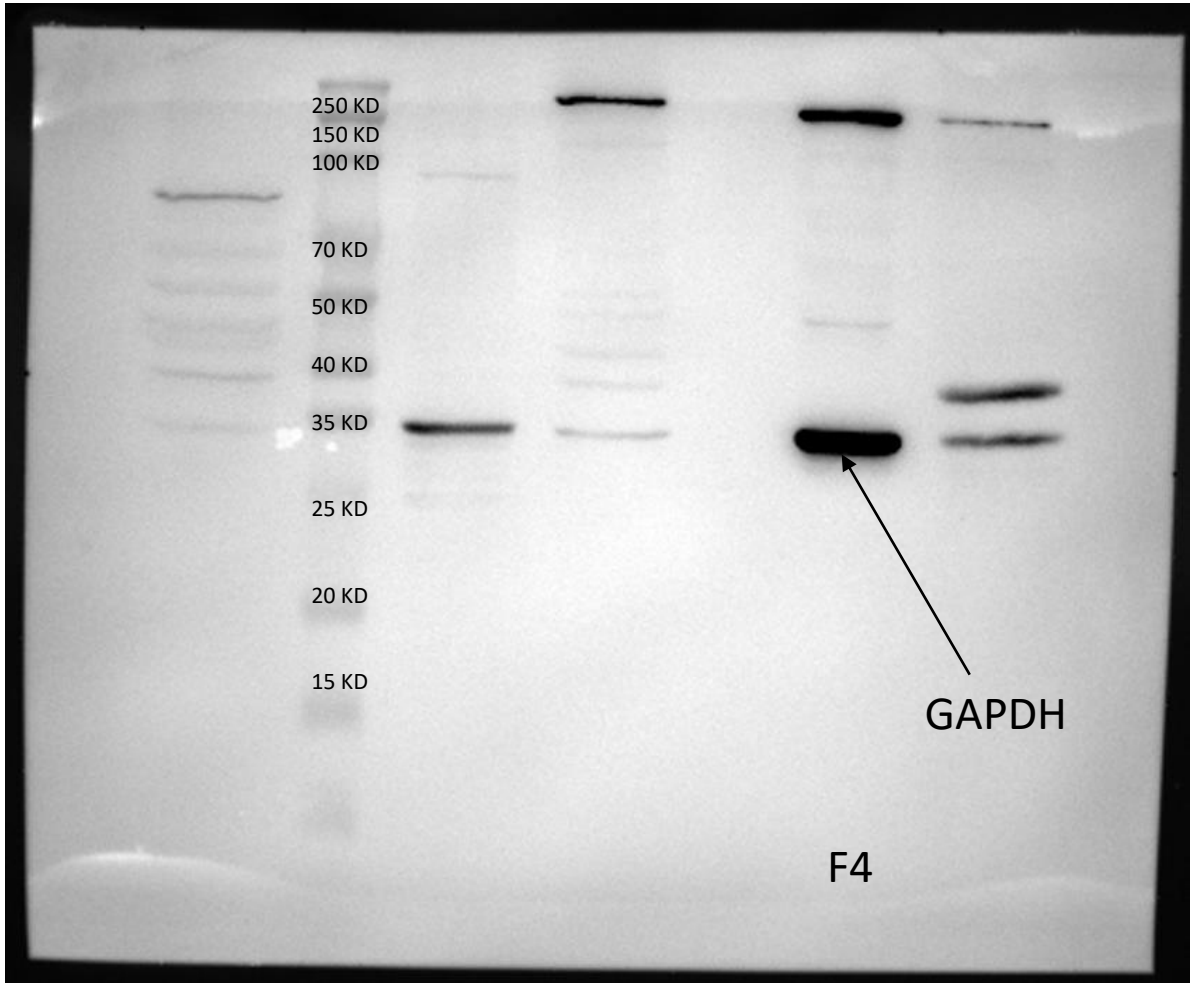
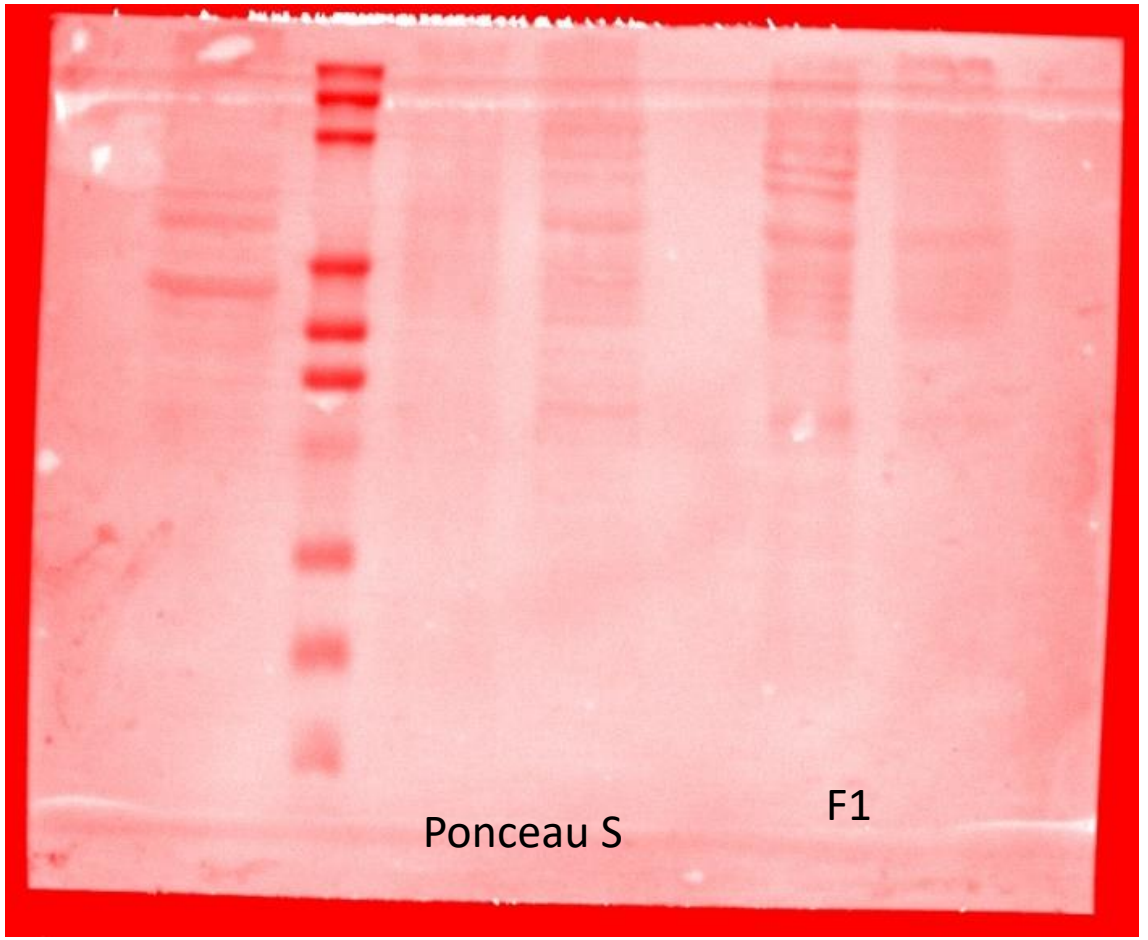


Figure-5A
Row 5





Antibody incubation order: OCT 3/4 →HBX→GAPDH

LANE	Samples
1	IPSC
2	MARKER
3	HEK CONTROL OLD
4	HEK HBX TF NEW
5	HEK CONTROL NEW
6	HEK HBX TF OLD

ANTIBODY	CAT NO	USED DILUTION	SIZE (aprox)
HBX	MA1-081	1:1000	17KD
OCT3/4	SC-5279	1:500	39KD
KI67	ITT2467	1:1000	367KD
GAPDH	60004-1-Ig	1:30000	36 KD
C-MYC	9402	1:1000	57 KD

WB Protocol:

1. 60 ug of total protein(BCA assay-read on Nanodrop) is loaded in each well of 12% SDS-PAGE.
2. Transfer at 90 V for 3 hrs.
3. Blocked with 5% BSA/5% Skimmed milk in TBST.
4. Overnight primary ab incubation.
5. Secondary ab incubation for 1-1.5 hrs.
6. Developed with WESTER ANTARE ECL kit.

0BSERVATIONS:

1. HBX is expressed in HEK Transfected sample.
2. KI67, OCT3/4 and c-MYC are overexpressed in HEK HBX Transfected sample.