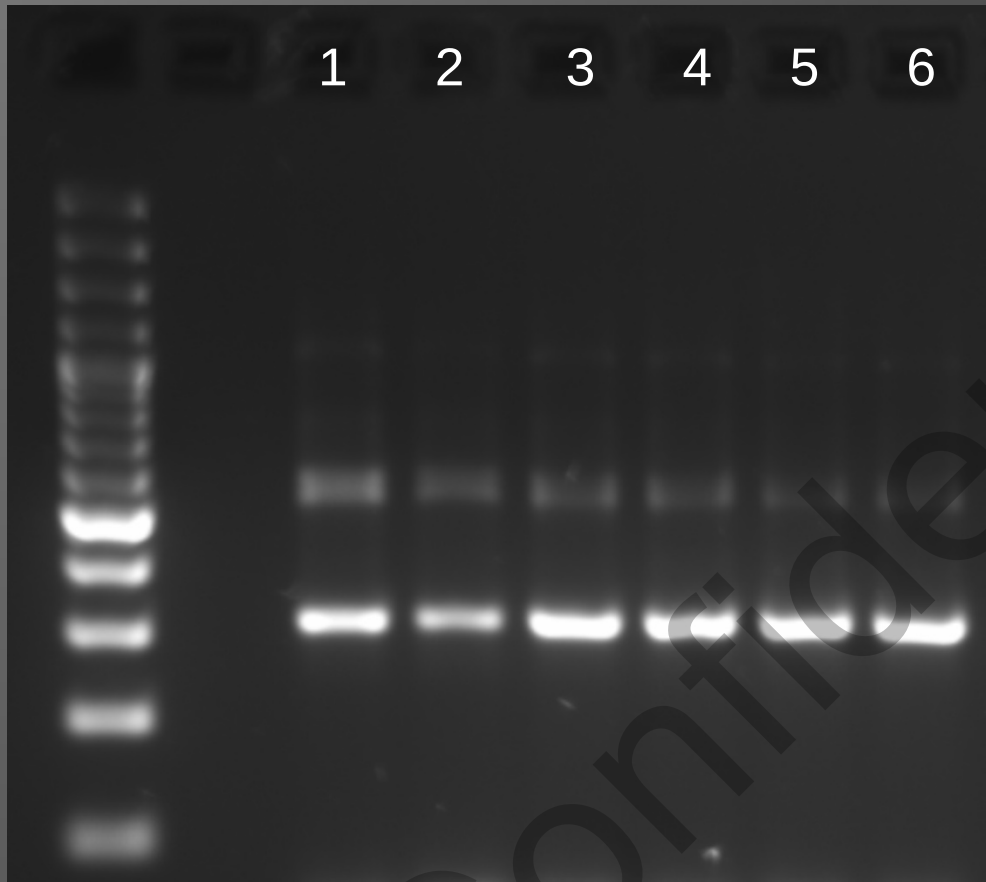


Minigene Splicing:



7iBi89 rat fibronectin

A2BP1 mediated exon inclusion

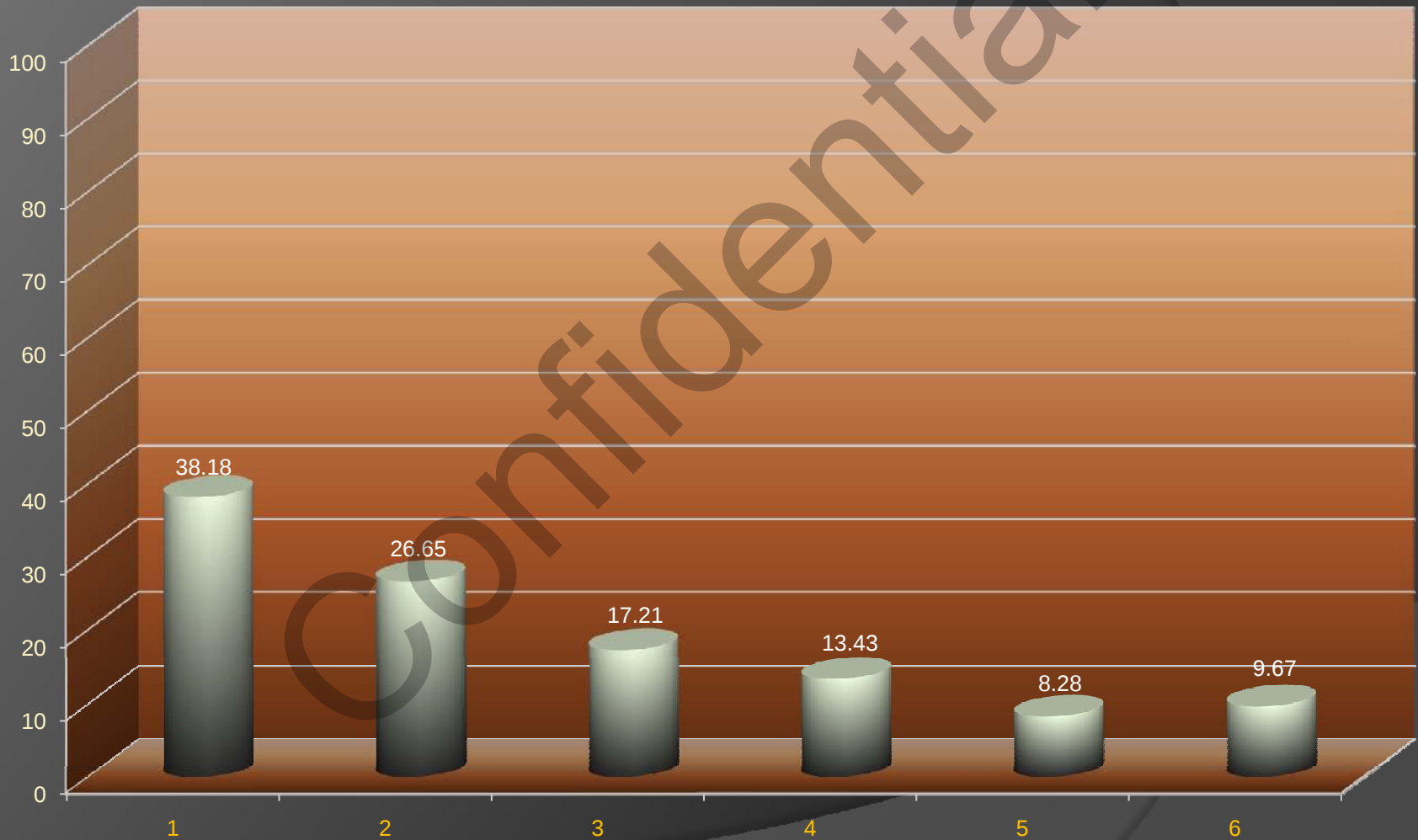
exon exclusion

Atxn2

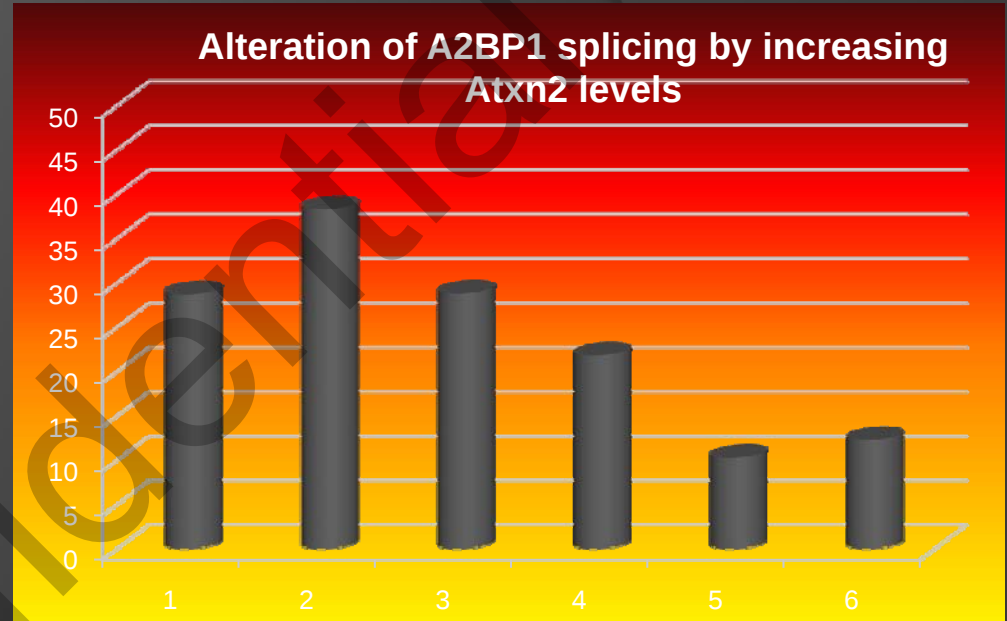
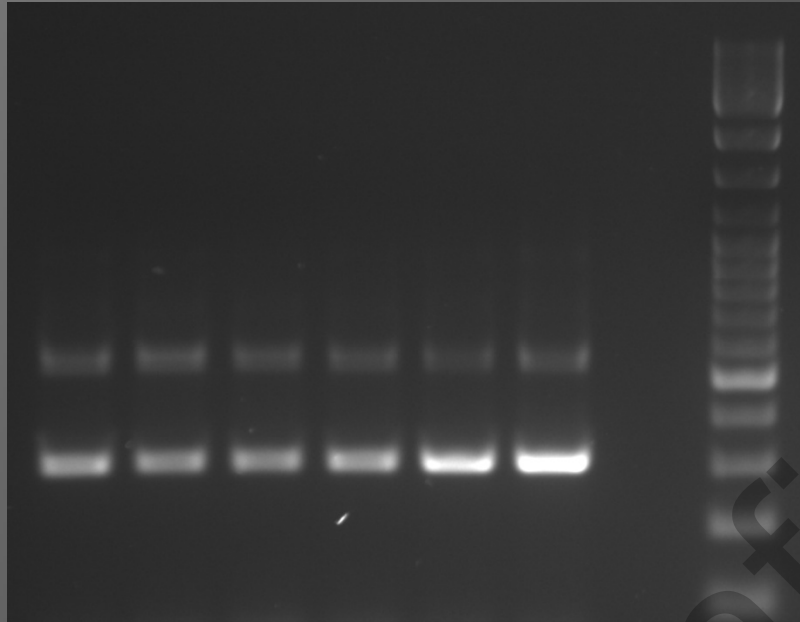
A2BP1	500	500	500	500	500	500
Atxn2	-	383	765	1147	1530	2295
GFP	2295	1530	1147	765	383	-
factor	-	0.5x	1x	1.5x	2x	3x

Minigene Splicing:

Alteration of A2BP1 splicing by increasing Atxn2 levels



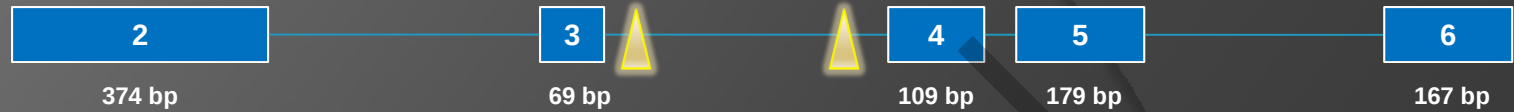
Minigene Splicing: Problems



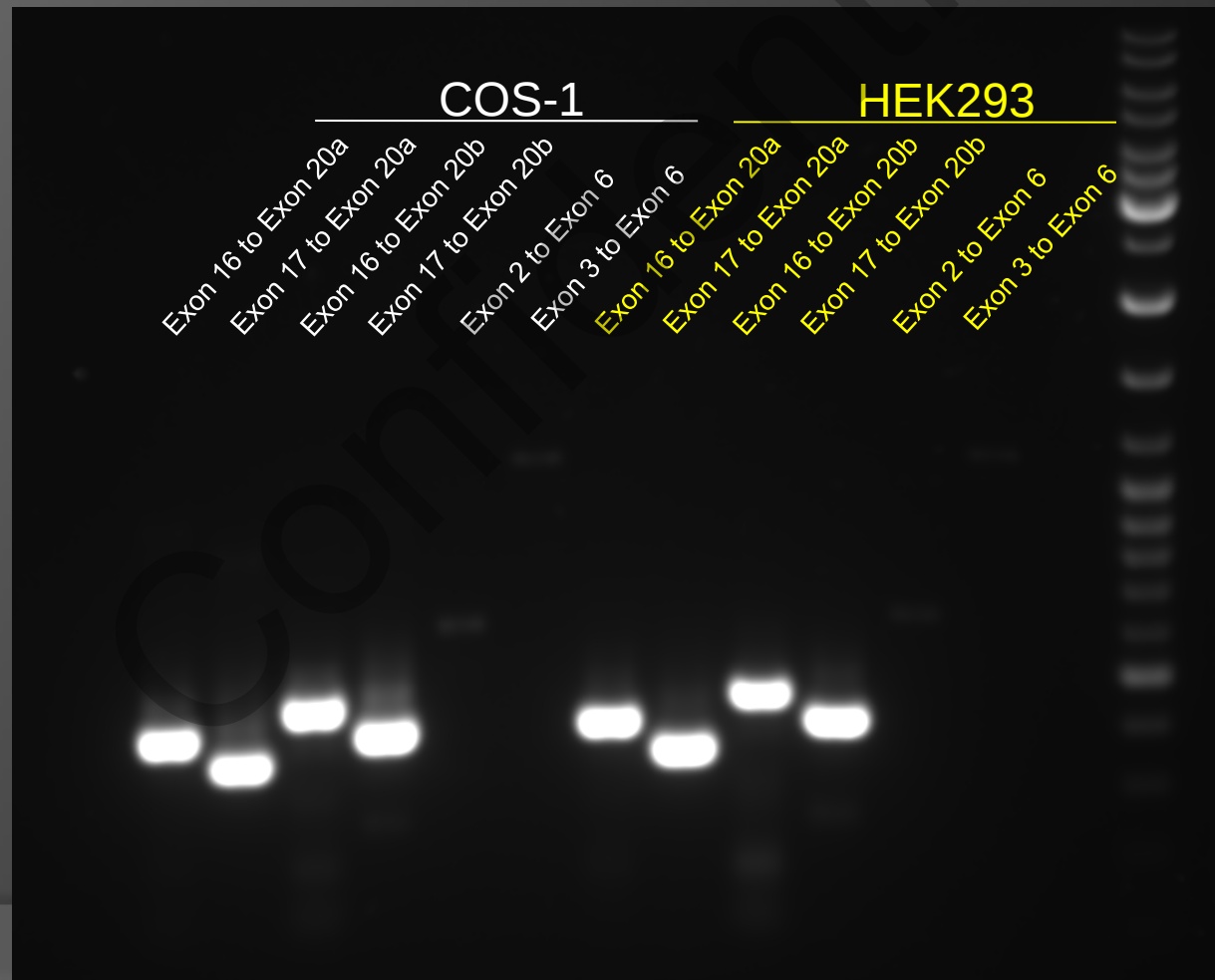
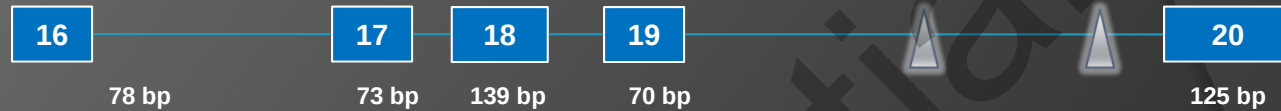
- Stringent PCR conditions to amplify upper band
- EGFP expression 'overwhelms' cells

Atxn2 endogenous splicing targets:

Pum 1:

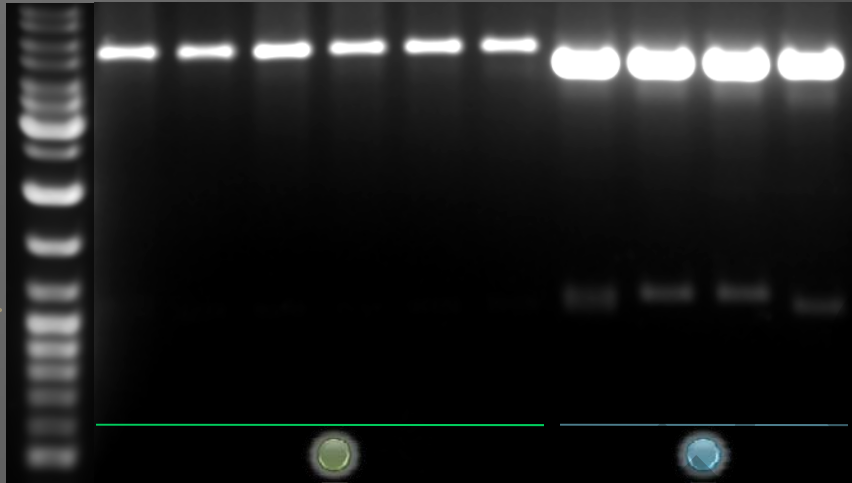


ADAM 15:



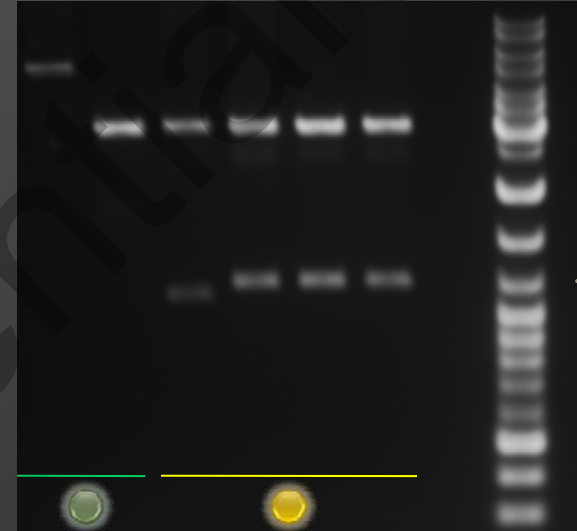
Atxn2 interactions: Cloning for recombinant proteins

Atxn2 cloning: 1060 bp



-  pGEX (GST-Tag)
-  pRSET (Xpress/His-Tag)
-  pCMV-Tag2 (FLAG-Tag)

RBM9 (fox-2) cloning: 1077 bp / 1149 bp



Stau1 cloning: 1745 bp Stau2 cloning: 1630 bp

