

Project: Aubrey A3G/TRIM21

**Project Description**

Not specified

**Researcher's Name**

Aubrey Sawyer

**Date**

May 26, 2023, 1:13:08 PM CDT

**Principal Investigator Name**

Not specified

**Lab Mailing Address**

Not specified

**Analysis Software**

Empiria Studio® Software v2.2.0.141

**Data Location**

Not specified

Experiment: 10-31-2024 A3F through A3H2 with TRIM21

**Description**

Not specified

**Experiment Type**

Analysis: HKP + Targets

**Date Created**

Jan 8, 2025, 4:01:22 PM CST

**Date Edited**

Jan 8, 2025, 4:04:56 PM CST

**Image Information**

**Image Name:** 0000875\_01

**Acquire Date/Time**

Nov 8, 2024, 11:52:44 AM CST

**Channels**

700, 800

**Resolution**

169 µm

**Comment**

F-H2 with TRIM21

**User**

Not specified

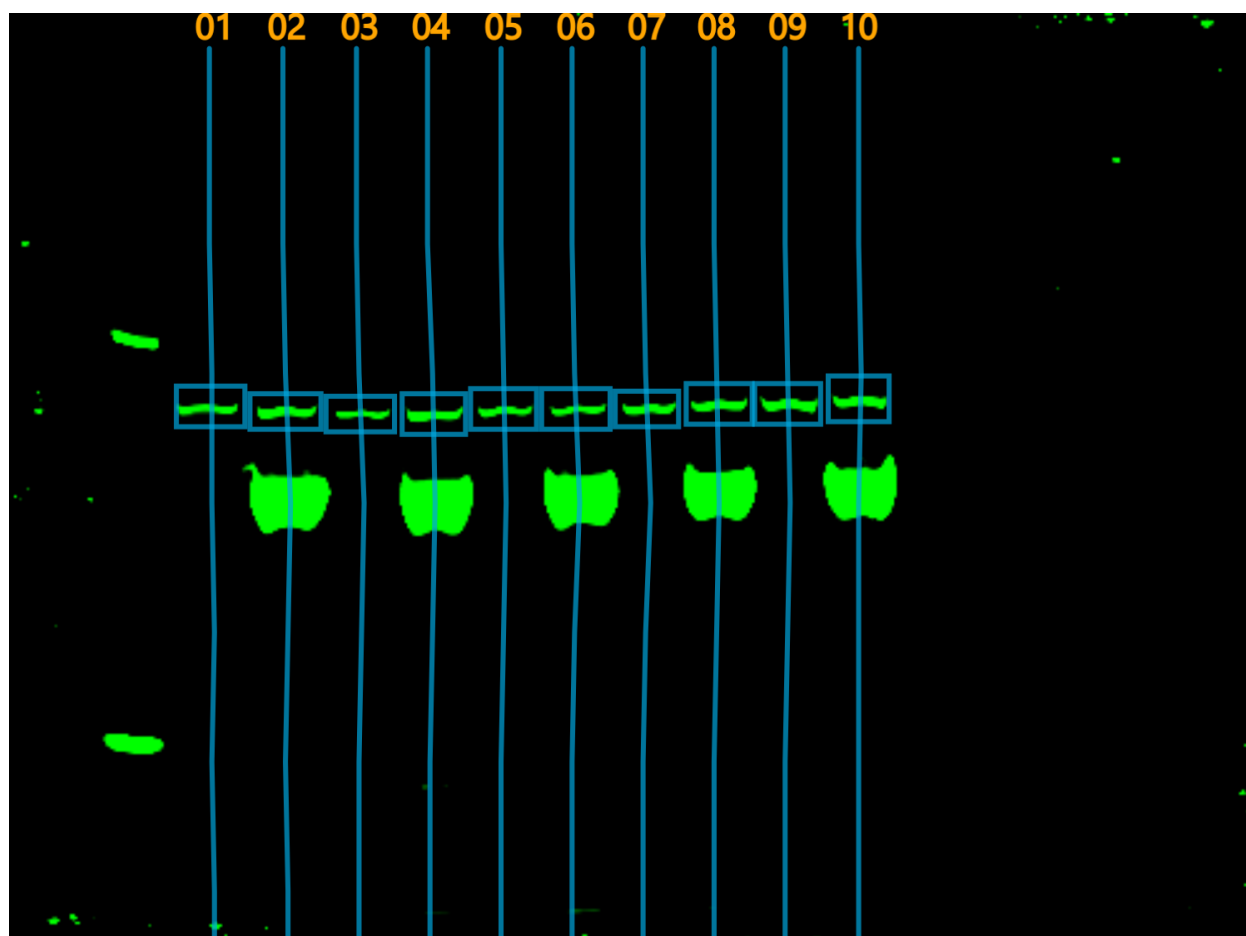
## Experimental Analysis

800 Channel

Image Name: 0000875\_01

Lane Detection: Automatic Lane Finding

Protein: Lamin B



Internal Loading Control Analysis Table

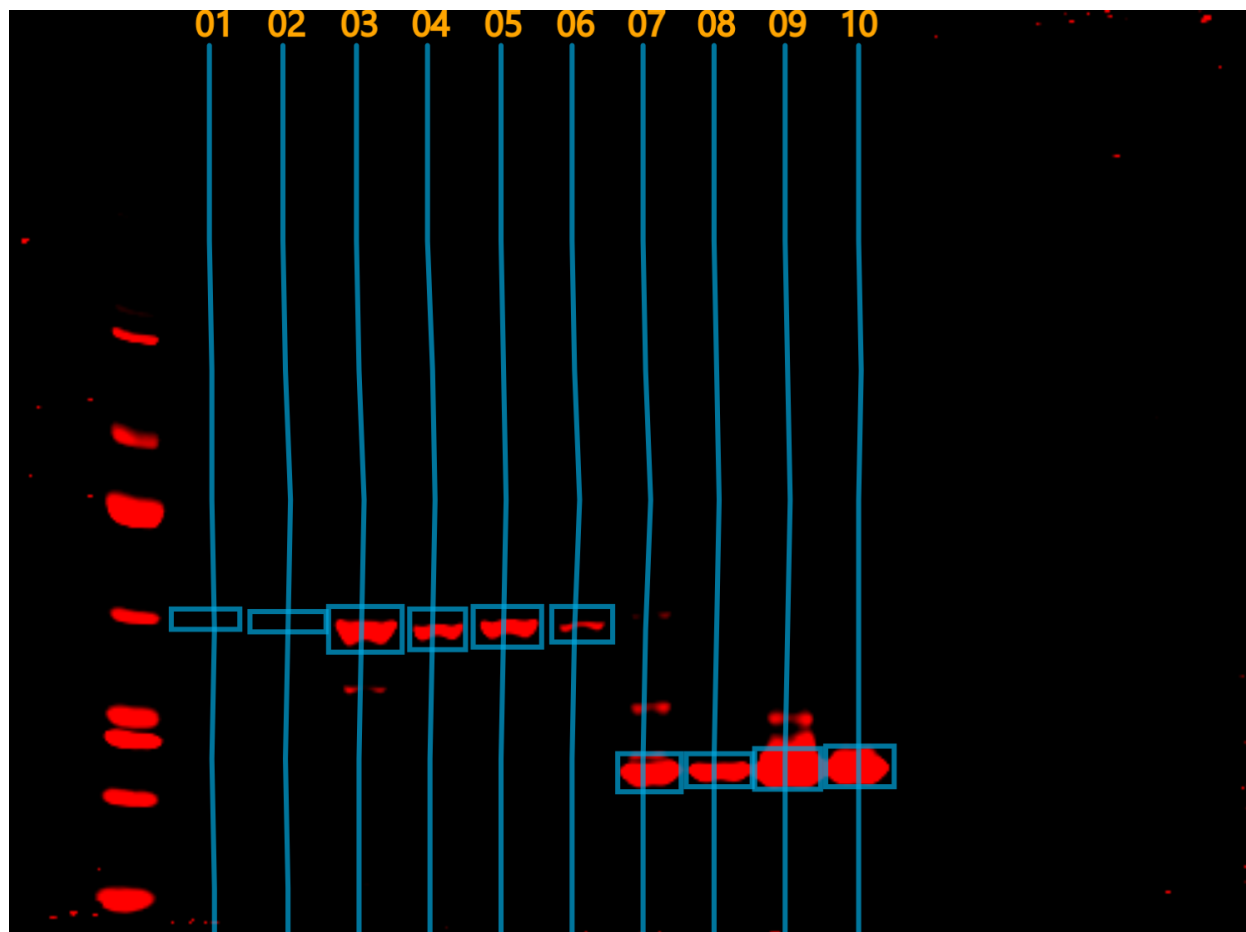
Lane	Name	MW	Signal	SNR	Replicate	Avg. Signal	Avg. SNR	Std. Dev.	% CV	✓	Treatment (%)	Type
01	Control		1,450	144	01					0		Sample
02	TRIM21		1,690	104	02					0		Sample
03	A3F		1,110	109	03					0		Sample
04	F with TRI...		1,670	141	04					0		Sample
05	A3G		1,260	97.4	05					0		Sample
06	G with TRI...		1,280	106	06					0		Sample
07	A3H1		1,440	165	07					0		Sample
08	H1 with TRI...		1,640	94.1	08					0		Sample
09	A3H2		1,880	188	09					0		Sample
10	H2 with TRI...		1,740	164	10					0		Sample

700 Channel

Image Name: 0000875\_01

Lane Detection: Automatic Lane Finding

Protein: A3s



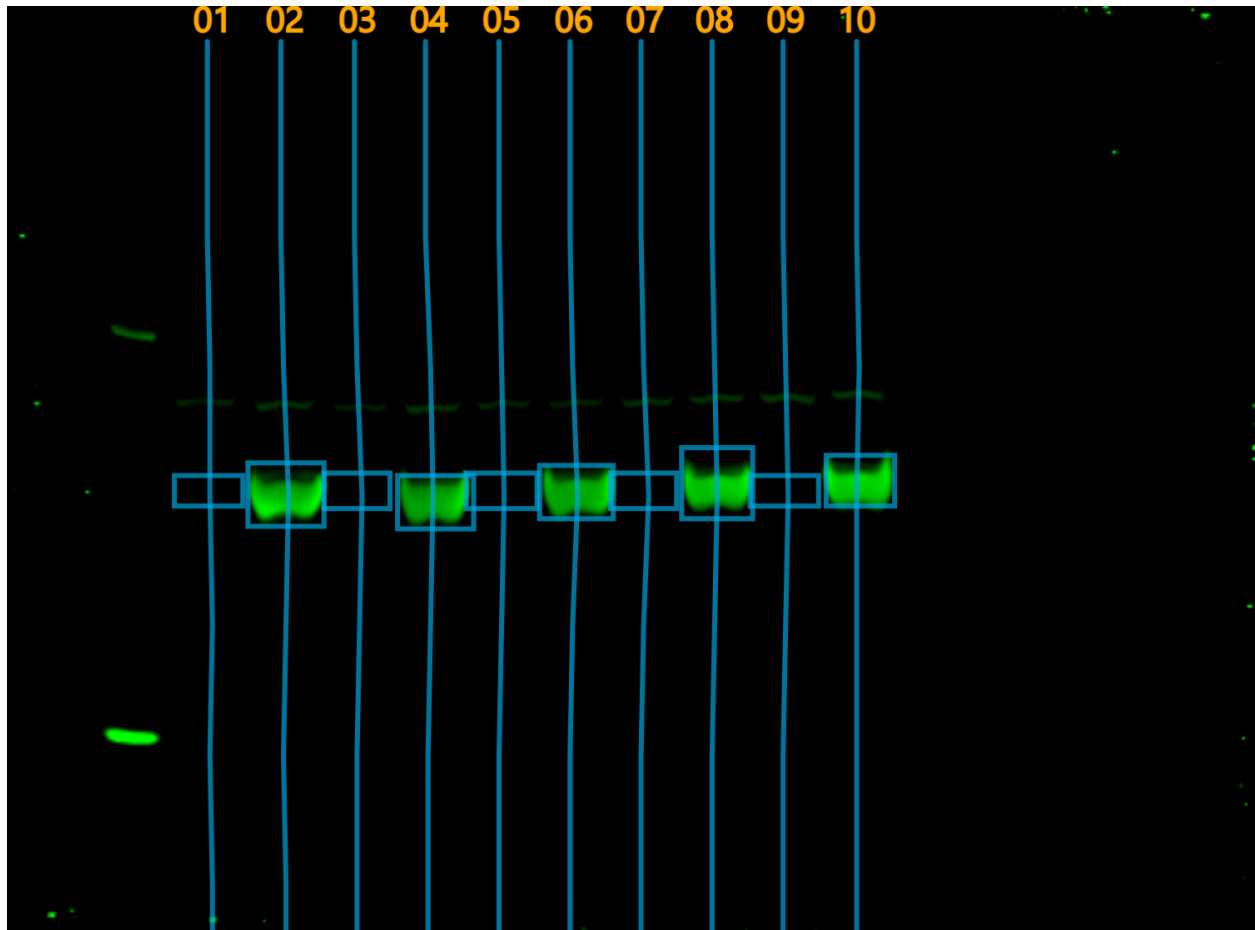
Protein Analysis Table

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (%)	Type
01	Control	12.6	12.6	729	16.3	0.59	01					0	Sample
02	TRIM21	23.8	23.8	825	26.3	0.974	02					0	Sample
03	A3F	3,390	3,390	5,360	5,710	16.3	03					0	Sample
04	F with TRIM...	1,450	1,450	2,660	1,620	28.1	04					0	Sample
05	A3G	2,400	2,400	3,870	3,570	46.8	05					0	Sample
06	G with TRIM...	567	567	1,700	829	16.9	06					0	Sample
07	A3H1	5,130	5,130	6,590	6,670	23.9	07					0	Sample
08	H1 with TRI...	3,420	3,420	4,660	3,900	26.3	08					0	Sample
09	A3H2	9,430	9,430	11,300	9,430	21.4	09					0	Sample
10	H2 with TRI...	7,070	7,070	8,720	7,600	33.7	10					0	Sample

Image Name: 0000875\_01

### Lane Detection: Automatic Lane Finding

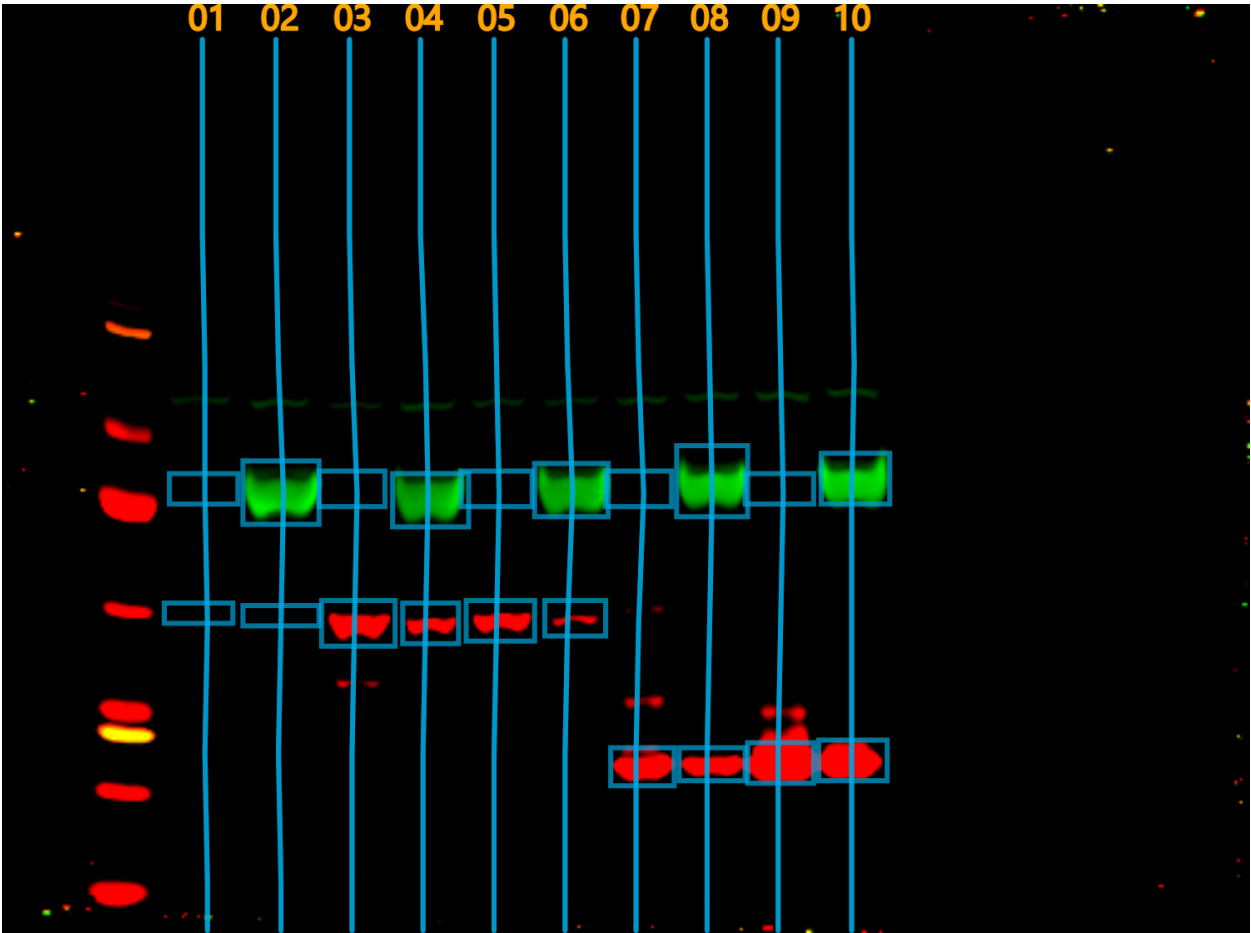
Protein: TRIM21



Protein Analysis Table									
Sample ID	Protein Name	Molecular Weight (kDa)	pI	Concentration (mg/mL)		Activity (U/mL)		Stability (%)	
				Initial	Final	Initial	Final	Initial	Final
S1	Protein A	25	4.5	1.2	0.8	150	120	95	85
S2	Protein B	18	5.2	0.5	0.3	80	60	100	90
S3	Protein C	30	3.8	2.1	1.5	200	180	80	70
S4	Protein D	12	6.1	0.8	0.6	90	75	100	95
S5	Protein E	22	4.9	1.5	1.0	180	150	90	80

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (%)	Type
01	Control		44.5	208	57.6	4.47	01					0	Sample
02	TRIM21		23,900	24,300	26,500	409	02					0	Sample
03	A3F		313	499	528	25.1	03					0	Sample
04	F with TRIM...		19,900	20,200	22,300	557	04					0	Sample
05	A3G		800	1,000	1,190	54.4	05					0	Sample
06	G with TRIM...		20,600	20,900	30,100	674	06					0	Sample
07	A3H1		1,100	1,290	1,430	79.5	07					0	Sample
08	H1 with TRI...		21,200	21,700	24,200	329	08					0	Sample
09	A3H2		346	511	346	31.8	09					0	Sample
10	H2 with TRI...		21,600	21,900	23,200	697	10					0	Sample

Summary



Experimental Observations

Not specified

Next Steps

Not specified

Summary

Not specified

Signatures

Researcher		
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Signature	Printed Name	Date

Witness		
<hr/>	<hr/>	<hr/>
Signature	Printed Name	Date