

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: 1-15-2025 H9 control, shTRIM21 quantification (not great)

**Description**

Not specified

**Experiment Type**

Analysis: HKP + Targets

**Date Created**

Jan 15, 2025, 3:57:37 PM CST

**Date Edited**

Jan 15, 2025, 4:05:00 PM CST

**Image Information**

**Image Name:** 0000909\_01

**Acquire Date/Time**

Jan 15, 2025, 3:29:48 PM CST

**Channels**

700, 800

**Resolution**

169 µm

**Comment**

H9 control shTRIM21 1, 2, 3

**User**

Not specified

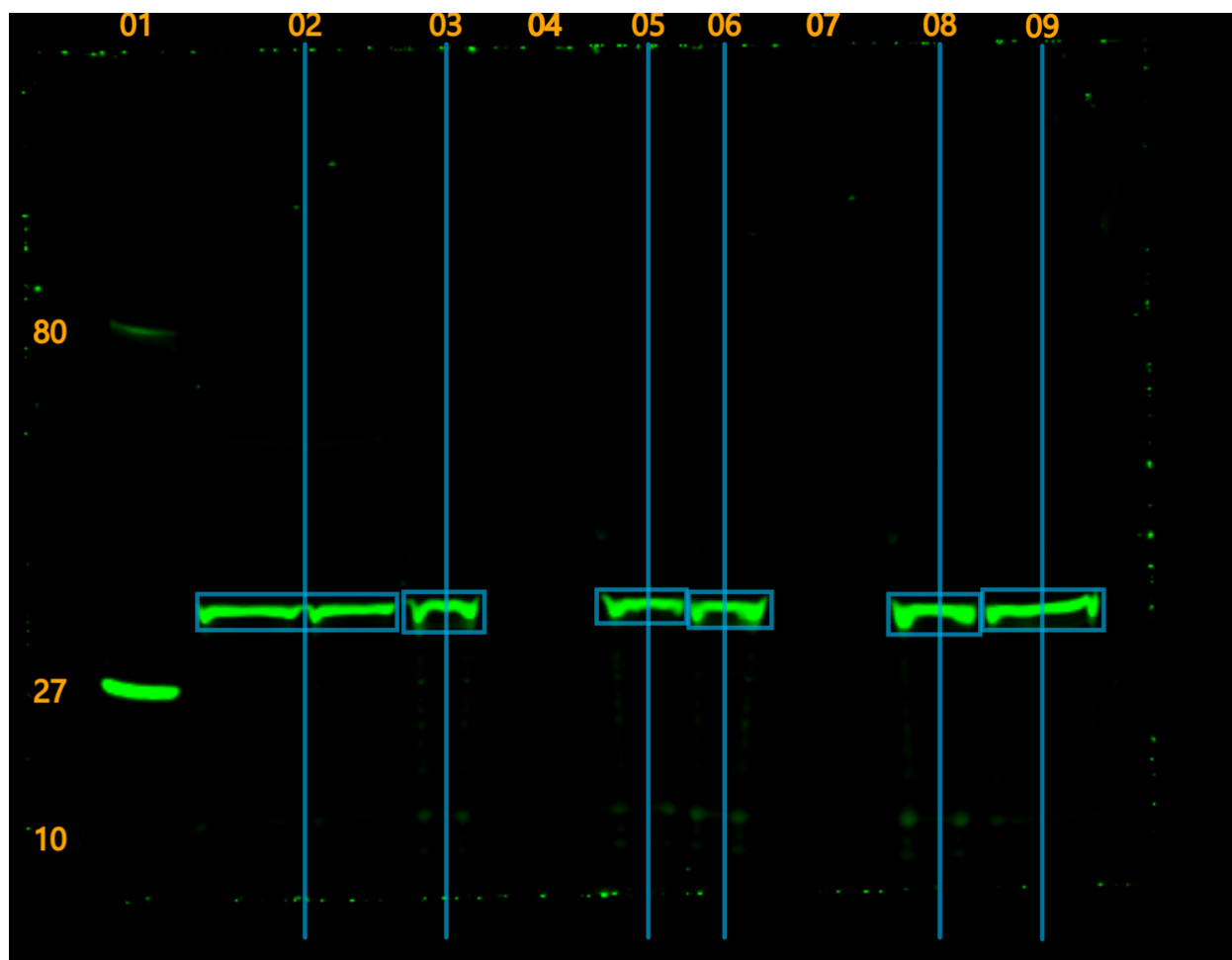
## Experimental Analysis

800 Channel

Image Name: 0000909\_01

Lane Detection: Manual

Protein: GAPDH



### Internal Loading Control Analysis Table

Lane	Name	MW	Signal	SNR	Replicate	Avg. Signal	Avg. SNR	Std. Dev.	% CV	✓	Treatment (%)	Type
02	1 H9	37.6	27,200	38.5	02						0	Sample
03	1 H9 shTRI...	37.9	12,200	32.3	03						0	Sample
05	2 H9	38.5	11,600	39.6	05						0	Sample
06	2 H9 shTRI...	37.9	13,700	40.4	06						0	Sample
08	3 H9	37.6	17,100	43.8	08						0	Sample
09	3 H9 shTRI...	37.6	20,300	37.9	09						0	Sample

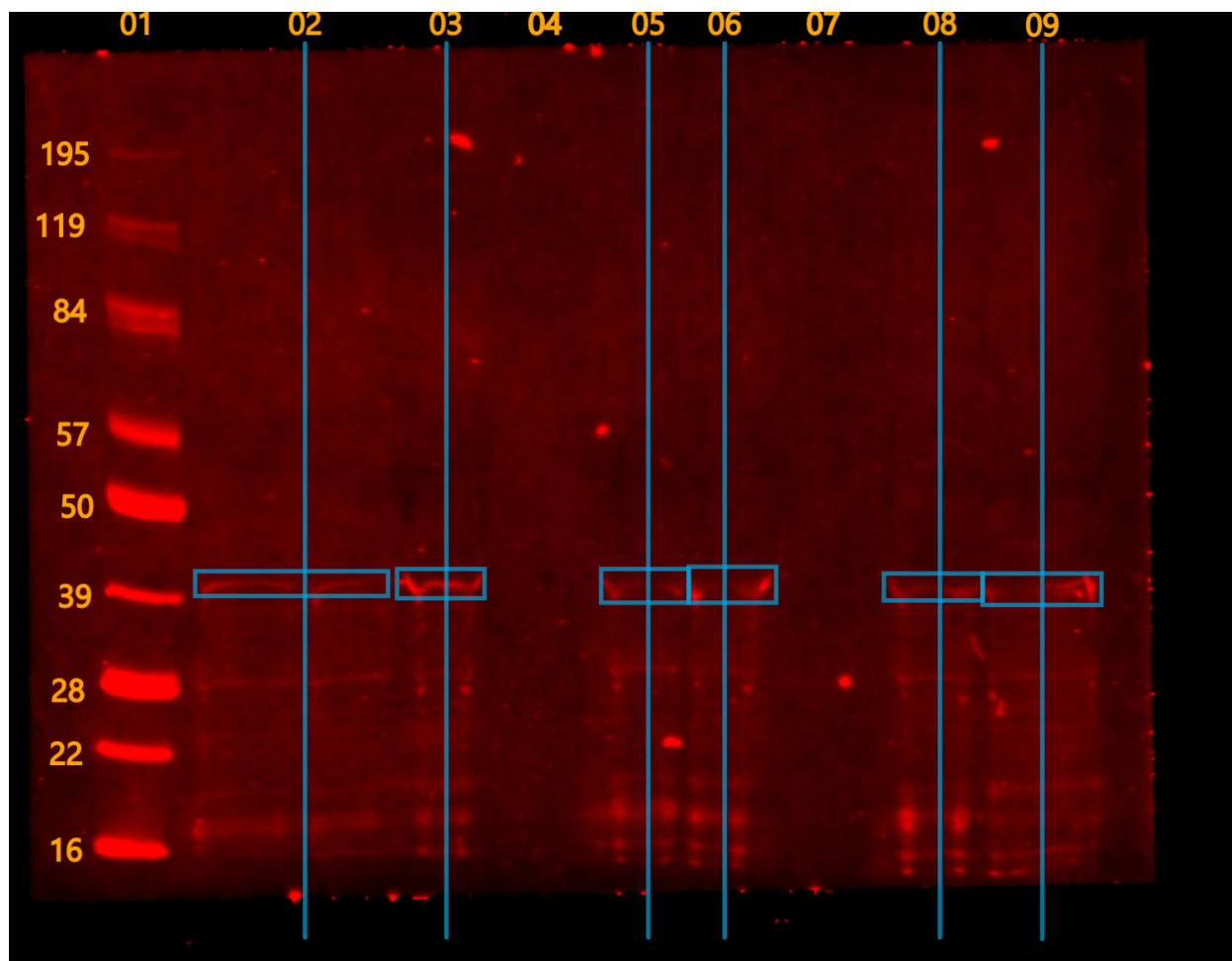
MW values are calculated using marker set iBright 800 on the 800 Channel.

## 700 Channel

Image Name: 0000909\_01

Lane Detection: Manual

Protein: A3G



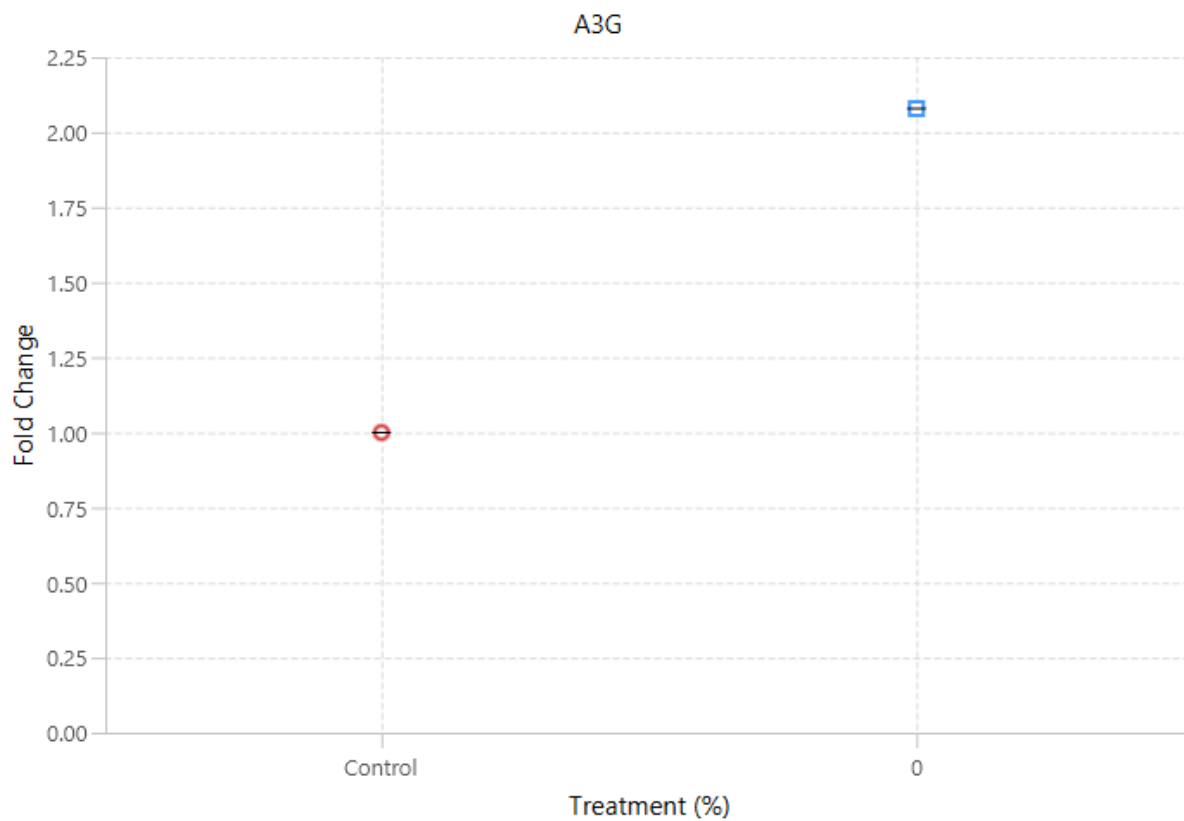
## Protein Analysis Table

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (%)	Type
02	1 H9	40.4	297	5,630	297	1.61	02					0	Sample
03	1 H9 shTRL...	40.4	554	3,270	1,240	3.78	03					0	Sample
05	2 H9	40.7	234	3,340	551	1.40	05					0	Sample
06	2 H9 shTRL...	38.5	412	3,750	818	2.21	06					0	Sample
08	3 H9	40.1	217	3,050	346	1.39	08					0	Sample
09	3 H9 shTRL...	40.1	537	4,550	719	1.95	09					0	Sample

MW values are calculated using marker set iBright 700 on the 700 Channel.

700 Channel (continued)

## Fold Change Chart



The mean change value for each sample is indicated by a horizontal line.

## Fold Change Table

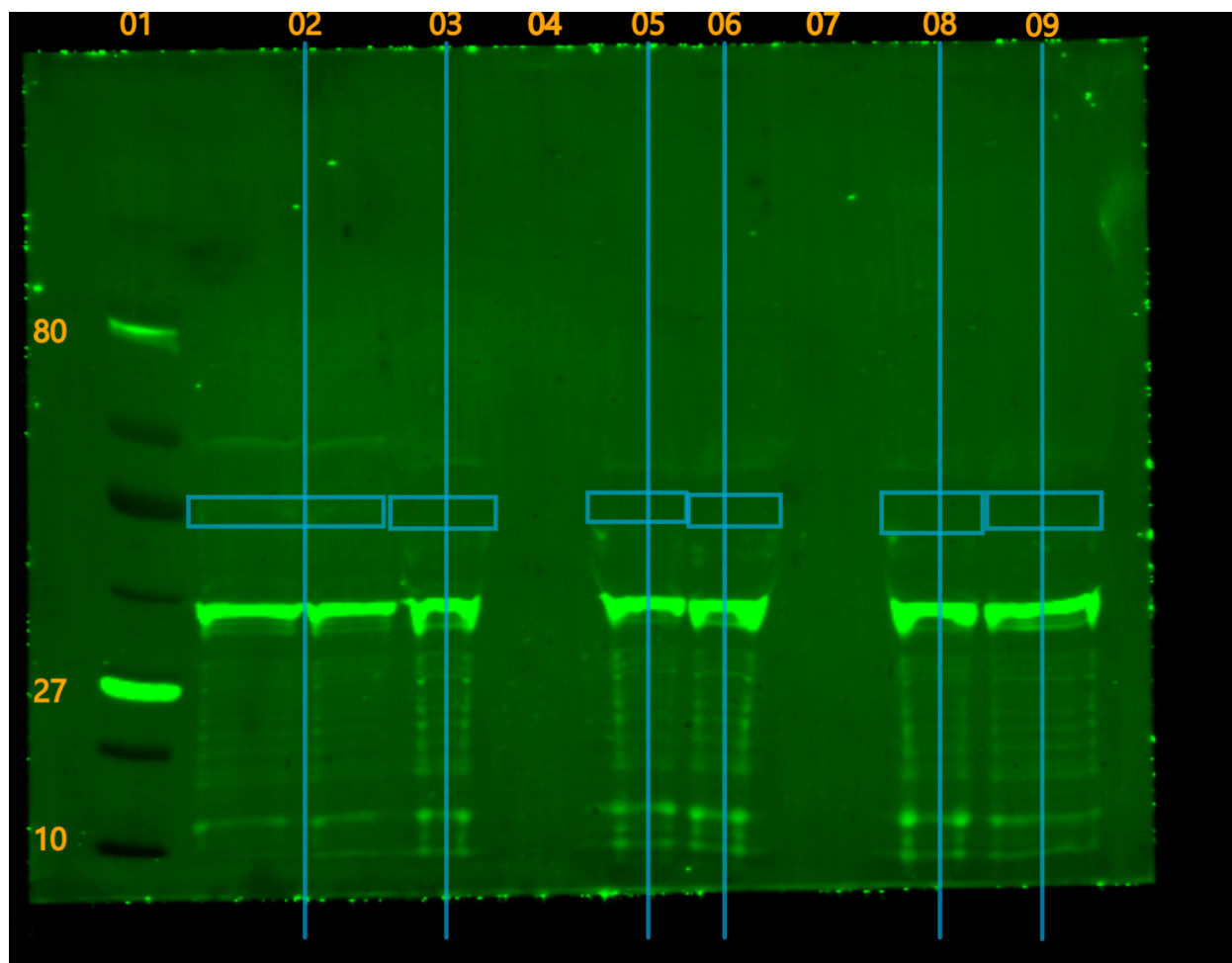
Lane	Treatment (X-Axis)	Treatment (%)	Fold Change
08	Control	0.00	1.00
09	0	0.00	2.08

800 Channel

Image Name: 0000909\_01

Lane Detection: Manual

Protein: TRIM21



Protein Analysis Table

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (%)	Type
02	1 H9	49.4	439	11,800	439	0.615	02					0	Sample
03	1 H9 shTRI...	48.8	-233	6,530	-521	-0.83	03					0	Sample
05	2 H9	49.4	-226	5,490	-532	-1.14	05					0	Sample
06	2 H9 shTRI...	48.8	-217	5,500	-431	-0.85	06					0	Sample
08	3 H9	49.8	-6.52	8,060	-10.4	-0.023	08					0	Sample
09	3 H9 shTRI...	49.1	-137	7,740	-183	-0.388	09					0	Sample

MW values are calculated using marker set iBright 800 on the 800 Channel.

## MW Marker Tables

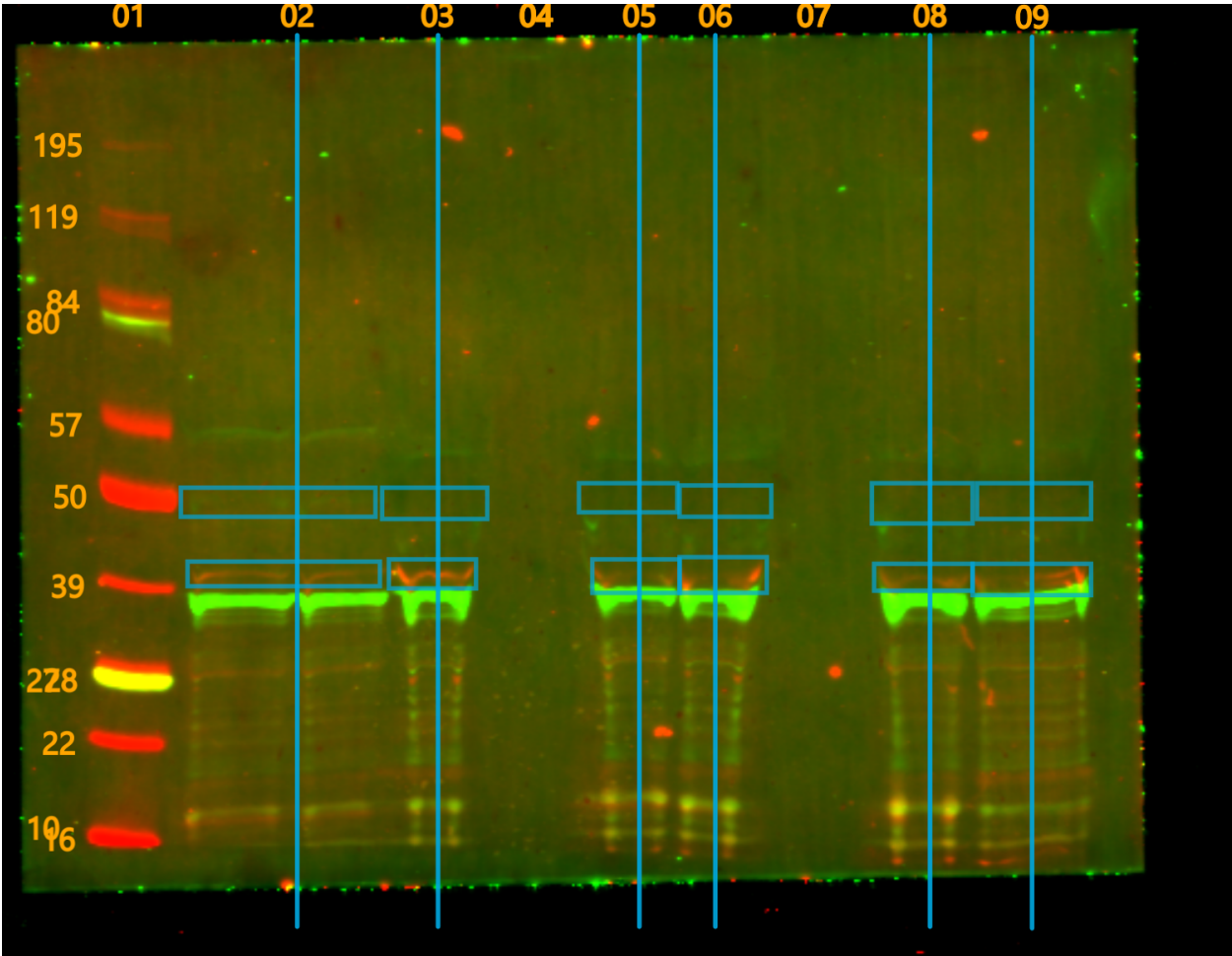
### MW Marker Set iBright 800 on the 800 Channel

Channel	Lane	Name	Band Name	MW
800	01	Lane01	B01	80
800	01	Lane01	B02	27
800	01	Lane01	B03	10

### MW Marker Set iBright 700 on the 700 Channel

Channel	Lane	Name	Band Name	MW
700	01	Lane01	B01	195
700	01	Lane01	B02	119
700	01	Lane01	B03	84
700	01	Lane01	B04	57
700	01	Lane01	B05	50
700	01	Lane01	B06	39
700	01	Lane01	B07	28
700	01	Lane01	B08	22
700	01	Lane01	B09	16

Summary



Experimental Observations

Not specified

Next Steps

Not specified

Summary

Not specified

Signatures

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

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