



sam\_2020-07-23 09-33-48\_BR006896.pcrd

07/24/2020 06:36

## Report Information

User: BioRad/sam

Data File Name: sam\_2020-07-23 09-33-48\_BR006896.pcrd

Data File Path: C:\Users\Sam\Desktop

Well Group Name: All Wells

Report Differs from Last Save: No

## Run Setup

### Run Information

Run Date: 07/23/2020 09:33

Run User: sam

Run Type: User-defined

Plate File: 20200723\_pgen\_primer\_tests.pltd

ID:

Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: BR006896

Optical Head Serial Number: 788BR07000

### Protocol

1: 98.0°C for 2:00

2: 98.0°C for 0:02

3: 60.0°C for 0:05

Plate Read

4: GOTO 2, 39 more times

5: Melt Curve 70.0°C to 95.0°C: Increment 0.2°C 0:10

Plate Read

### Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Pos-1 APLP cDNA pool	Pos-1 APLP cDNA pool	Unk-1 APLP gDNA	Unk-1 APLP gDNA	NTC-1 APLP	NTC-1 APLP						
B	Pos-2 GSK3B cDNA pool	Pos-2 GSK3B cDNA pool	Unk-2 GSK3B gDNA	Unk-2 GSK3B gDNA	NTC-2 GSK3B	NTC-2 GSK3B						
C	Pos-3 NFIP1 cDNA pool	Pos-3 NFIP1 cDNA pool	Unk-3 NFIP1 gDNA	Unk-3 NFIP1 gDNA	NTC-3 NFIP1	NTC-3 NFIP1						
D	Pos-4 RPL5 cDNA pool	Pos-4 RPL5 cDNA pool	Unk-4 RPL5 gDNA	Unk-4 RPL5 gDNA	NTC-4 RPL5	NTC-4 RPL5						
E	Pos-5 SPTN1 cDNA pool	Pos-5 SPTN1 cDNA pool	Unk-5 SPTN1 gDNA	Unk-5 SPTN1 gDNA	NTC-5 SPTN1	NTC-5 SPTN1						

## Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Pos-6 TIF3s6b cDNA pool	Pos-6 TIF3s6b cDNA pool	Unk-6 TIF3s6b gDNA	Unk-6 TIF3s6b gDNA	NTC-6 TIF3s6b	NTC-6 TIF3s6b						
G												
H												

## Quantification

Step #: 3

Analysis Mode: Fluorophore

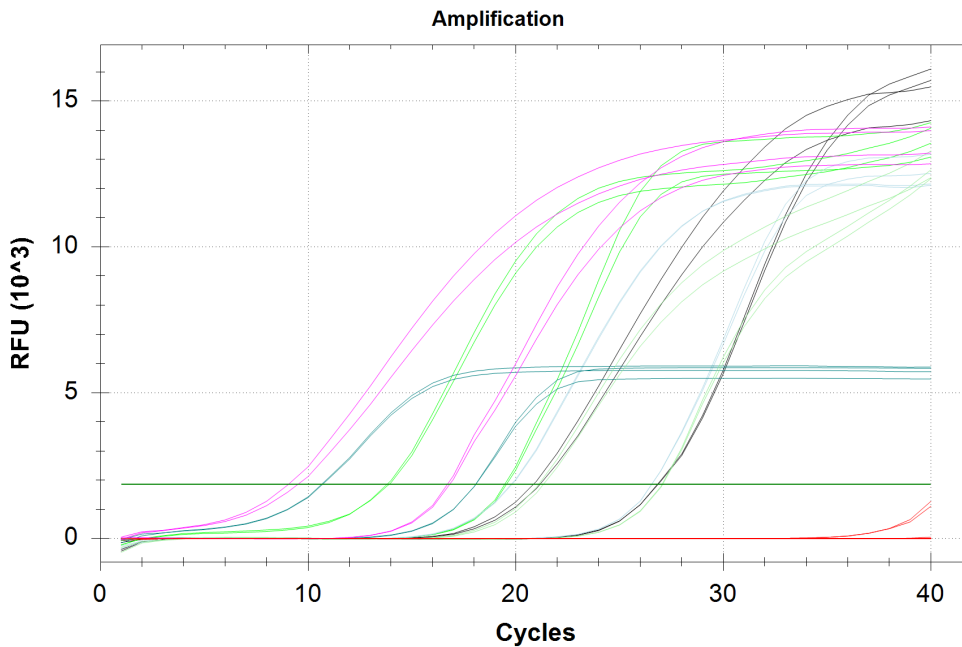
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 1852.26, Auto Calculated



## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	APLP	Pos Ctrl-1	cDNA pool	26.85	26.84	0.023
A02	SYBR	APLP	Pos Ctrl-1	cDNA pool	26.82	26.84	0.023
A03	SYBR	APLP	Unkn-1	gDNA	20.84	21.00	0.227
A04	SYBR	APLP	Unkn-1	gDNA	21.16	21.00	0.227
A05	SYBR	APLP	NTC-1		N/A	0.00	0.000
A06	SYBR	APLP	NTC-1		N/A	0.00	0.000
B01	SYBR	GSK3B	Pos Ctrl-2	cDNA pool	19.55	19.51	0.059
B02	SYBR	GSK3B	Pos Ctrl-2	cDNA pool	19.47	19.51	0.059
B03	SYBR	GSK3B	Unkn-2	gDNA	13.79	13.84	0.069

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B04	SYBR	GSK3B	Unkn-2	gDNA	13.89	13.84	0.069
B05	SYBR	GSK3B	NTC-2		N/A	0.00	0.000
B06	SYBR	GSK3B	NTC-2		N/A	0.00	0.000
C01	SYBR	NFIP1	Pos Ctrl-3	cDNA pool	26.54	26.54	0.001
C02	SYBR	NFIP1	Pos Ctrl-3	cDNA pool	26.54	26.54	0.001
C03	SYBR	NFIP1	Unkn-3	gDNA	19.81	19.79	0.027
C04	SYBR	NFIP1	Unkn-3	gDNA	19.77	19.79	0.027
C05	SYBR	NFIP1	NTC-3		N/A	0.00	0.000
C06	SYBR	NFIP1	NTC-3		N/A	0.00	0.000
D01	SYBR	RPL5	Pos Ctrl-4	cDNA pool	18.07	18.07	0.005
D02	SYBR	RPL5	Pos Ctrl-4	cDNA pool	18.07	18.07	0.005
D03	SYBR	RPL5	Unkn-4	gDNA	10.64	10.66	0.035
D04	SYBR	RPL5	Unkn-4	gDNA	10.69	10.66	0.035
D05	SYBR	RPL5	NTC-4		N/A	0.00	0.000
D06	SYBR	RPL5	NTC-4		N/A	0.00	0.000
E01	SYBR	SPTN1	Pos Ctrl-5	cDNA pool	27.07	27.06	0.016
E02	SYBR	SPTN1	Pos Ctrl-5	cDNA pool	27.05	27.06	0.016
E03	SYBR	SPTN1	Unkn-5	gDNA	21.10	21.22	0.161
E04	SYBR	SPTN1	Unkn-5	gDNA	21.33	21.22	0.161
E05	SYBR	SPTN1	NTC-5		N/A	0.00	0.000
E06	SYBR	SPTN1	NTC-5		N/A	0.00	0.000
F01	SYBR	TIF3s6b	Pos Ctrl-6	cDNA pool	16.81	16.76	0.077
F02	SYBR	TIF3s6b	Pos Ctrl-6	cDNA pool	16.70	16.76	0.077
F03	SYBR	TIF3s6b	Unkn-6	gDNA	9.04	9.27	0.322
F04	SYBR	TIF3s6b	Unkn-6	gDNA	9.50	9.27	0.322
F05	SYBR	TIF3s6b	NTC-6		N/A	0.00	0.000
F06	SYBR	TIF3s6b	NTC-6		N/A	0.00	0.000

## QC Parameters

### Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Negative control with a Cq less than	38	True		False	
NTC with a Cq less than	38	True		False	

## Data

<b>Description</b>	<b>Value</b>	<b>Use</b>	<b>Results</b>	<b>Exclude Wells</b>	<b>All excluded wells</b>
NRT with a Cq less than	38	True		False	
Positive control with a Cq greater than	30	True		False	
Unknown without a Cq	N/A	True		False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			
Std Curve R <sup>2</sup> less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True	SYBR:A3, A4, F3, F4.	False	