



sam_2022-07-27 14-17-42_BR006896.pcrd

7/28/2022 10:14

Report Information

User: BioRad/sam
Data File Name: sam_2022-07-27 14-17-42_BR006896.pcrd
Data File Path: C:\Users\Samb\Downloads
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 7/27/2022 14:17
Run User: sam
Run Type: User-defined
Plate File: 20220727_cfx_mussel_plate.pltd
ID:
Notes:
Sample Volume: 20
Temperature Control Mode: Calculated
Lid Temperature: 105
Base Serial Number: BR006896
Optical Head Serial Number: 788BR07000

Protocol

- 1: 95.0°C for 0:30
- 2: 95.0°C for 0:03
- 3: 60.0°C for 0:05
Plate Read
- 4: GOTO 2, 39 more times
- 5: Melt Curve 65.0°C to 95.0°C: Increment 0.5°C 0:05
Plate Read

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 HSC70 T01-G control	Unk-1 HSC70 T01-G control	Unk-2 HSC70 T02-G control	Unk-2 HSC70 T02-G control	Unk-3 HSC70 T03-G control	Unk-3 HSC70 T03-G control	Unk-4 HSC70 T04-G control	Unk-4 HSC70 T04-G control	Unk-5 HSC70 T05-G control	Unk-5 HSC70 T05-G control	Unk-6 HSC70 T06-G control	Unk-6 HSC70 T06-G control
B	Unk-7 HSC70 T07-G control	Unk-7 HSC70 T07-G control	Unk-8 HSC70 T08-G control	Unk-8 HSC70 T08-G control	Unk-9 HSC70 T09-G control	Unk-9 HSC70 T09-G control	Unk-10 HSC70 T10-G control	Unk-10 HSC70 T10-G control	Unk-11 HSC70 T16-G heat stressed	Unk-11 HSC70 T16-G heat stressed	Unk-12 HSC70 T17-G heat stressed	Unk-12 HSC70 T17-G heat stressed
C	Unk-13 HSC70 T18-G heat stressed	Unk-13 HSC70 T18-G heat stressed	Unk-14 HSC70 T19-G heat stressed	Unk-14 HSC70 T19-G heat stressed	Unk-15 HSC70 T20-G heat stressed	Unk-15 HSC70 T20-G heat stressed	Unk-16 HSC70 T21-G heat stressed	Unk-16 HSC70 T21-G heat stressed	Unk-17 HSC70 T22-G heat stressed	Unk-17 HSC70 T22-G heat stressed	Unk-18 HSC70 T23-G heat stressed	Unk-18 HSC70 T23-G heat stressed

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-19 HSC70 T24-G heat stressed	Unk-19 HSC70 T24-G heat stressed	Unk-20 HSC70 T25-G heat stressed	Unk-20 HSC70 T25-G heat stressed	Unk HSC70	Unk HSC70						
E												
F												
G												
H												

Quantification

Step #: 3

Analysis Mode: Fluorophore

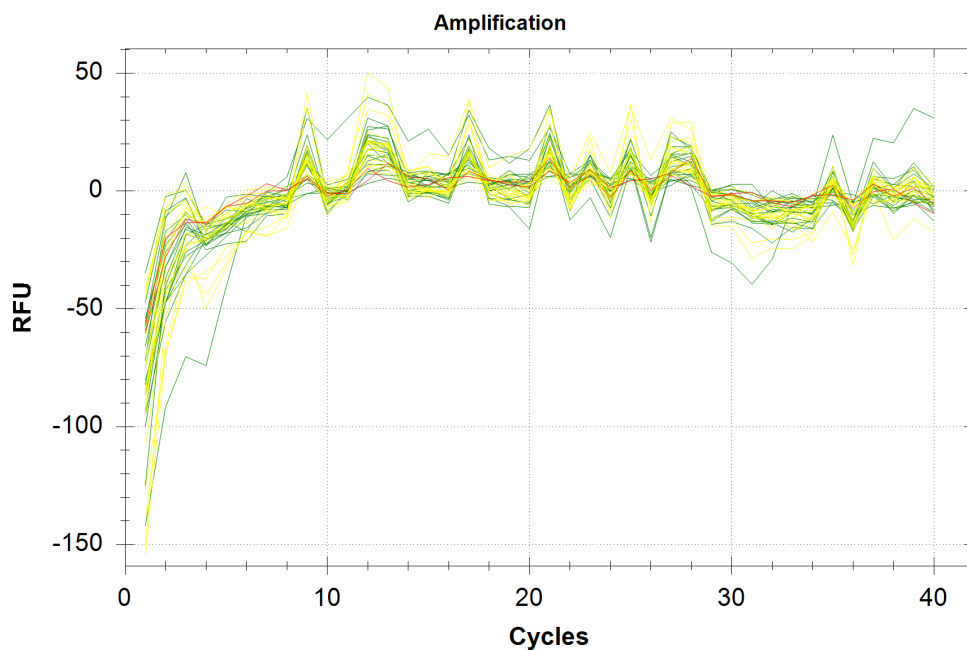
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: None, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Biological Set Name	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	HSC70	Unkn-01	T01-G	control	N/A	0.00	0.000
A02	SYBR	HSC70	Unkn-01	T01-G	control	N/A	0.00	0.000
A03	SYBR	HSC70	Unkn-02	T02-G	control	N/A	0.00	0.000
A04	SYBR	HSC70	Unkn-02	T02-G	control	N/A	0.00	0.000
A05	SYBR	HSC70	Unkn-03	T03-G	control	N/A	0.00	0.000
A06	SYBR	HSC70	Unkn-03	T03-G	control	N/A	0.00	0.000
A07	SYBR	HSC70	Unkn-04	T04-G	control	N/A	0.00	0.000
A08	SYBR	HSC70	Unkn-04	T04-G	control	N/A	0.00	0.000
A09	SYBR	HSC70	Unkn-05	T05-G	control	N/A	0.00	0.000

Quantification Data

Well	Fluor	Target	Content	Sample	Biological Set Name	Cq	Cq Mean	Cq Std. Dev
A10	SYBR	HSC70	Unkn-05	T05-G	control	N/A	0.00	0.000
A11	SYBR	HSC70	Unkn-06	T06-G	control	N/A	0.00	0.000
A12	SYBR	HSC70	Unkn-06	T06-G	control	N/A	0.00	0.000
B01	SYBR	HSC70	Unkn-07	T07-G	control	N/A	0.00	0.000
B02	SYBR	HSC70	Unkn-07	T07-G	control	N/A	0.00	0.000
B03	SYBR	HSC70	Unkn-08	T08-G	control	N/A	0.00	0.000
B04	SYBR	HSC70	Unkn-08	T08-G	control	N/A	0.00	0.000
B05	SYBR	HSC70	Unkn-09	T09-G	control	N/A	0.00	0.000
B06	SYBR	HSC70	Unkn-09	T09-G	control	N/A	0.00	0.000
B07	SYBR	HSC70	Unkn-10	T10-G	control	N/A	0.00	0.000
B08	SYBR	HSC70	Unkn-10	T10-G	control	N/A	0.00	0.000
B09	SYBR	HSC70	Unkn-11	T16-G	heat stressed	N/A	0.00	0.000
B10	SYBR	HSC70	Unkn-11	T16-G	heat stressed	N/A	0.00	0.000
B11	SYBR	HSC70	Unkn-12	T17-G	heat stressed	N/A	0.00	0.000
B12	SYBR	HSC70	Unkn-12	T17-G	heat stressed	N/A	0.00	0.000
C01	SYBR	HSC70	Unkn-13	T18-G	heat stressed	N/A	0.00	0.000
C02	SYBR	HSC70	Unkn-13	T18-G	heat stressed	N/A	0.00	0.000
C03	SYBR	HSC70	Unkn-14	T19-G	heat stressed	N/A	0.00	0.000
C04	SYBR	HSC70	Unkn-14	T19-G	heat stressed	N/A	0.00	0.000
C05	SYBR	HSC70	Unkn-15	T20-G	heat stressed	N/A	0.00	0.000
C06	SYBR	HSC70	Unkn-15	T20-G	heat stressed	N/A	0.00	0.000
C07	SYBR	HSC70	Unkn-16	T21-G	heat stressed	N/A	0.00	0.000
C08	SYBR	HSC70	Unkn-16	T21-G	heat stressed	N/A	0.00	0.000
C09	SYBR	HSC70	Unkn-17	T22-G	heat stressed	N/A	0.00	0.000
C10	SYBR	HSC70	Unkn-17	T22-G	heat stressed	N/A	0.00	0.000
C11	SYBR	HSC70	Unkn-18	T23-G	heat stressed	N/A	0.00	0.000
C12	SYBR	HSC70	Unkn-18	T23-G	heat stressed	N/A	0.00	0.000
D01	SYBR	HSC70	Unkn-19	T24-G	heat stressed	N/A	0.00	0.000
D02	SYBR	HSC70	Unkn-19	T24-G	heat stressed	N/A	0.00	0.000
D03	SYBR	HSC70	Unkn-20	T25-G	heat stressed	N/A	0.00	0.000
D04	SYBR	HSC70	Unkn-20	T25-G	heat stressed	N/A	0.00	0.000
D05	SYBR	HSC70	Unkn			N/A	0.00	0.000
D06	SYBR	HSC70	Unkn			N/A	0.00	0.000

Bar Chart

Expression analysis requires that at least two wells contain sample names, targets, and valid Cqs.

Target Names

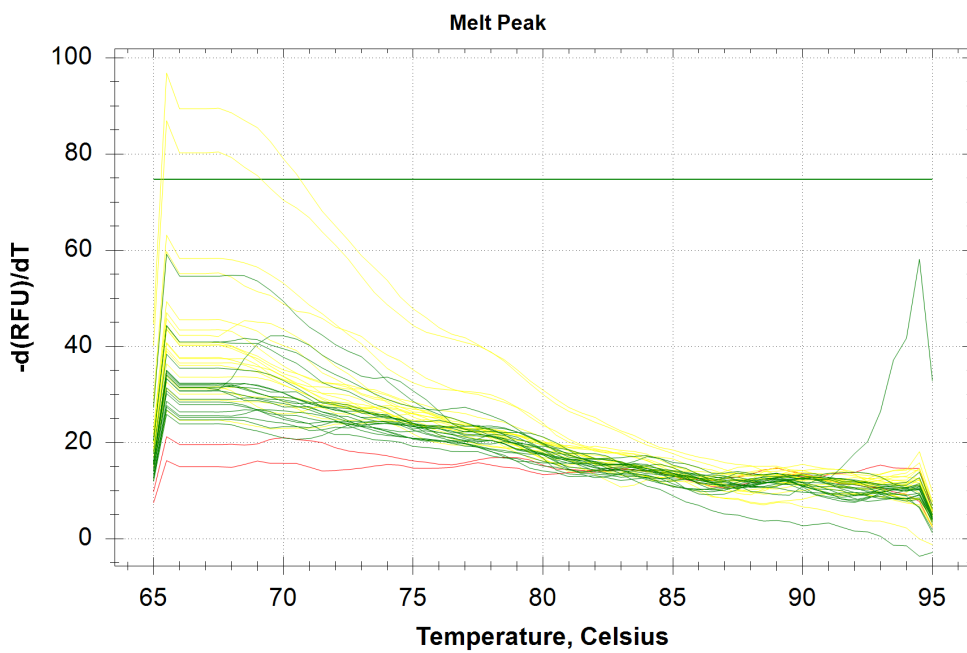
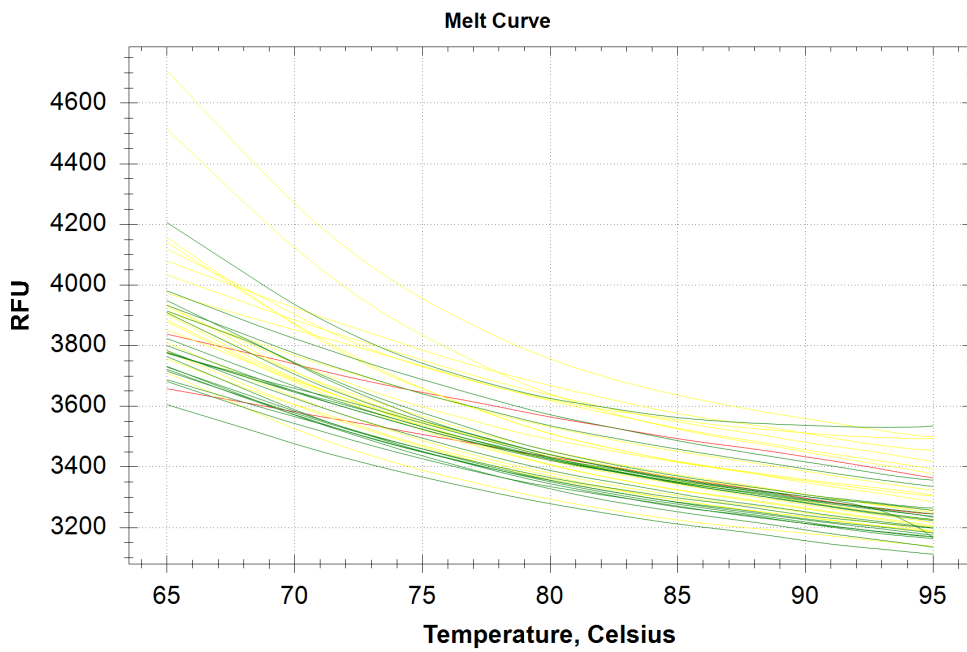
Name	Full Name	Reference	Auto Efficiency	Efficiency
HSC70	HSC70	False	Yes	100.0%

Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
HSC70	T01-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T02-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T03-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T04-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T05-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T06-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T07-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T08-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T09-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T10-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T16-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T17-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T18-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T19-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T20-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T21-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T22-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T23-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T24-G		N/A	N/A	N/A	N/A	N/A	N/A
HSC70	T25-G		N/A	N/A	N/A	N/A	N/A	N/A

Melt Curve

Step #: 5



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	HSC70	Unkn-01	T01-G	None
A02	SYBR	HSC70	Unkn-01	T01-G	None
A03	SYBR	HSC70	Unkn-02	T02-G	None
A04	SYBR	HSC70	Unkn-02	T02-G	None
A05	SYBR	HSC70	Unkn-03	T03-G	None
A06	SYBR	HSC70	Unkn-03	T03-G	None
A07	SYBR	HSC70	Unkn-04	T04-G	None
A08	SYBR	HSC70	Unkn-04	T04-G	None
A09	SYBR	HSC70	Unkn-05	T05-G	None

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A10	SYBR	HSC70	Unkn-05	T05-G	None
A11	SYBR	HSC70	Unkn-06	T06-G	None
A12	SYBR	HSC70	Unkn-06	T06-G	None
B01	SYBR	HSC70	Unkn-07	T07-G	None
B02	SYBR	HSC70	Unkn-07	T07-G	None
B03	SYBR	HSC70	Unkn-08	T08-G	None
B04	SYBR	HSC70	Unkn-08	T08-G	None
B05	SYBR	HSC70	Unkn-09	T09-G	None
B06	SYBR	HSC70	Unkn-09	T09-G	None
B07	SYBR	HSC70	Unkn-10	T10-G	None
B08	SYBR	HSC70	Unkn-10	T10-G	None
B09	SYBR	HSC70	Unkn-11	T16-G	None
B10	SYBR	HSC70	Unkn-11	T16-G	None
B11	SYBR	HSC70	Unkn-12	T17-G	None
B12	SYBR	HSC70	Unkn-12	T17-G	None
C01	SYBR	HSC70	Unkn-13	T18-G	None
C02	SYBR	HSC70	Unkn-13	T18-G	None
C03	SYBR	HSC70	Unkn-14	T19-G	None
C04	SYBR	HSC70	Unkn-14	T19-G	None
C05	SYBR	HSC70	Unkn-15	T20-G	None
C06	SYBR	HSC70	Unkn-15	T20-G	None
C07	SYBR	HSC70	Unkn-16	T21-G	None
C08	SYBR	HSC70	Unkn-16	T21-G	None
C09	SYBR	HSC70	Unkn-17	T22-G	None
C10	SYBR	HSC70	Unkn-17	T22-G	None
C11	SYBR	HSC70	Unkn-18	T23-G	67.50
C12	SYBR	HSC70	Unkn-18	T23-G	67.50
D01	SYBR	HSC70	Unkn-19	T24-G	None
D02	SYBR	HSC70	Unkn-19	T24-G	None
D03	SYBR	HSC70	Unkn-20	T25-G	None
D04	SYBR	HSC70	Unkn-20	T25-G	None
D05	SYBR	HSC70	Unkn		None
D06	SYBR	HSC70	Unkn		None

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	
NRT with a Cq less than	38	True		False	

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Positive control with a Cq greater than	30	True		False	
Unknown without a Cq	N/A	True	SYBR:A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, D1, D2, D3, D4, D5, D6.	False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			
Std Curve R ² less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True		False	