



sam_2023-11-19_08-35-30_Connect.pcrd

11/19/2023 11:04

Report Information

User: BioRad/sam

Data File Name: sam_2023-11-19 08-35-30_Connect.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: 11/19/2023 08:35

Run User: sam

Run Type: User-defined

Plate File: Sample Plate 96 wells SYBR.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 3:00

2: 98.0°C for 0:10

3: 60.0°C for 0:30

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

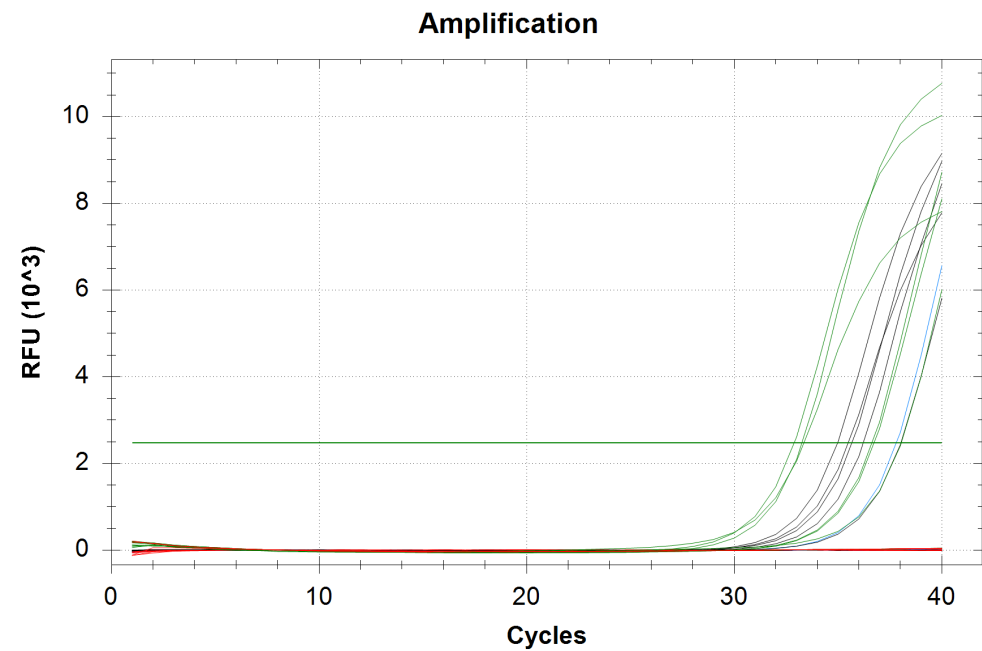
[illegible]

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
H	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2480.62, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	CACt	Unkn-1	1000pg	N/A	0.00	0.000
A02	SYBR	CACt	Unkn-1	1000pg	N/A	0.00	0.000
A03	SYBR	CACt	Unkn-1	1000pg	N/A	0.00	0.000
A04	SYBR	CACt	Unkn-2	100pg	N/A	0.00	0.000
A05	SYBR	CACt	Unkn-2	100pg	N/A	0.00	0.000
A06	SYBR	CACt	Unkn-2	100pg	37.80	37.80	0.000
A07	SYBR	CACt	Unkn-3	10pg	N/A	0.00	0.000
A08	SYBR	CACt	Unkn-3	10pg	N/A	0.00	0.000
A09	SYBR	CACt	Unkn-3	10pg	N/A	0.00	0.000
A10	SYBR	CACt	NTC-1		N/A	0.00	0.000
A11	SYBR	CACt	NTC-1		N/A	0.00	0.000
A12	SYBR	CACt	NTC-1		N/A	0.00	0.000
B01	SYBR	DACt	Unkn-4	1000pg	35.49	35.38	0.353

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B02	SYBR	DAcT	Unkn-4	1000pg	34.99	35.38	0.353
B03	SYBR	DAcT	Unkn-4	1000pg	35.67	35.38	0.353
B04	SYBR	DAcT	Unkn-5	100pg	38.03	37.12	1.283
B05	SYBR	DAcT	Unkn-5	100pg	36.22	37.12	1.283
B06	SYBR	DAcT	Unkn-5	100pg	N/A	0.00	0.000
B07	SYBR	DAcT	Unkn-6	10pg	N/A	0.00	0.000
B08	SYBR	DAcT	Unkn-6	10pg	N/A	0.00	0.000
B09	SYBR	DAcT	Unkn-6	10pg	N/A	0.00	0.000
B10	SYBR	DAcT	NTC-2		N/A	0.00	0.000
B11	SYBR	DAcT	NTC-2		N/A	0.00	0.000
B12	SYBR	DAcT	NTC-2		N/A	0.00	0.000
C01	SYBR	Mcap_PaxC	Unkn-7	1000pg	33.36	33.17	0.247
C02	SYBR	Mcap_PaxC	Unkn-7	1000pg	32.89	33.17	0.247
C03	SYBR	Mcap_PaxC	Unkn-7	1000pg	33.26	33.17	0.247
C04	SYBR	Mcap_PaxC	Unkn-8	100pg	38.05	37.14	0.791
C05	SYBR	Mcap_PaxC	Unkn-8	100pg	36.73	37.14	0.791
C06	SYBR	Mcap_PaxC	Unkn-8	100pg	36.63	37.14	0.791
C07	SYBR	Mcap_PaxC	Unkn-9	10pg	N/A	0.00	0.000
C08	SYBR	Mcap_PaxC	Unkn-9	10pg	N/A	0.00	0.000
C09	SYBR	Mcap_PaxC	Unkn-9	10pg	N/A	0.00	0.000
C10	SYBR	Mcap_PaxC	NTC-3		N/A	0.00	0.000
C11	SYBR	Mcap_PaxC	NTC-3		N/A	0.00	0.000
C12	SYBR	Mcap_PaxC	NTC-3		N/A	0.00	0.000

Bar Chart

Normalized expression analysis is not possible, either because no target is assigned as a reference or the selected target(s) is not a

Target Names

Name	Full Name	Reference	Auto Efficiency	Efficiency
CAcT	CAcT	False	Yes	100.0%
DAcT	DAcT	False	Yes	100.0%
Mcap_PaxC	Mcap_PaxC	False	Yes	100.0%

Sample Names

Name	Full Name	Control
1000pg	1000pg	No
100pg	100pg	No

Gene Expression - Bar Chart Data

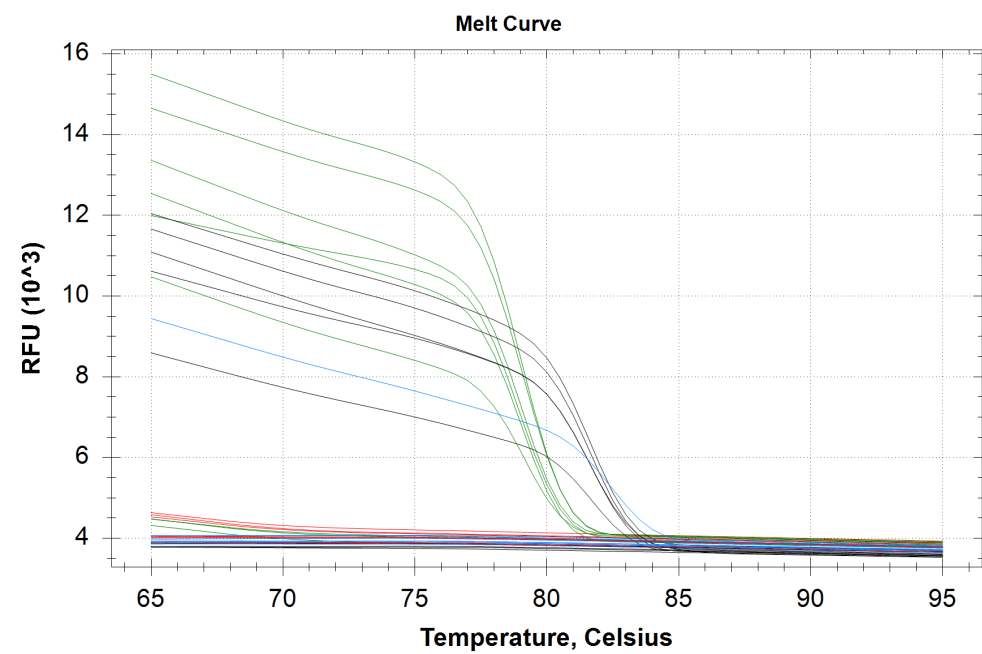
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
CAcT	1000pg		N/A	N/A	N/A	N/A	N/A	N/A
CAcT	100pg		N/A	N/A	N/A	37.80	0.00000	N/A
CAcT	10pg		N/A	N/A	N/A	N/A	N/A	N/A

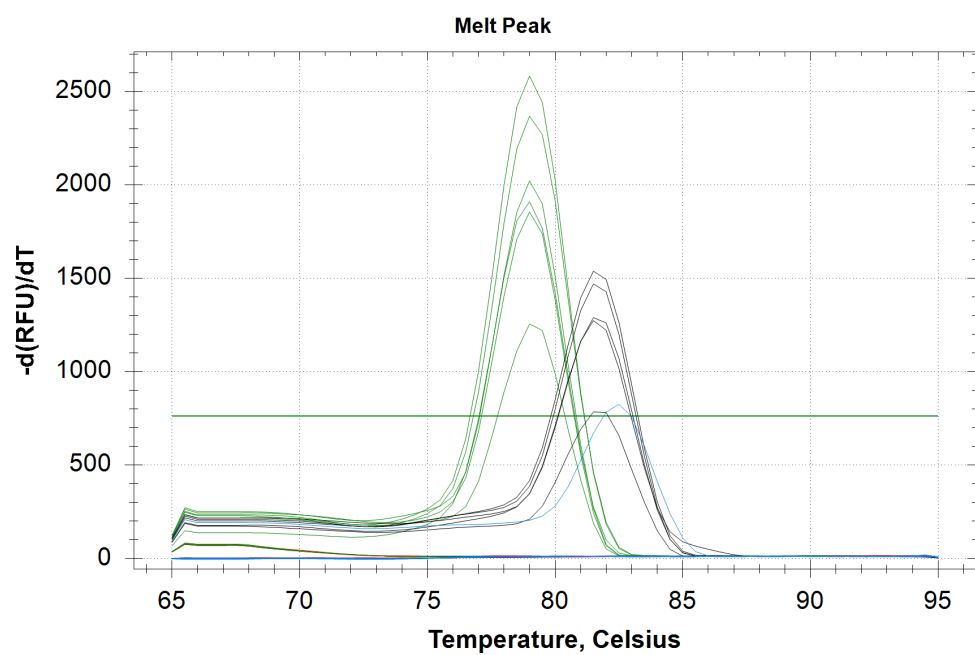
Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
DAcT	1000pg		N/A	N/A	N/A	35.38	0.20386	N/A
DAcT	100pg		N/A	N/A	N/A	37.12	0.90735	N/A
DAcT	10pg		N/A	N/A	N/A	N/A	N/A	N/A
Mcap_PaxC	1000pg		N/A	N/A	N/A	33.17	0.14251	N/A
Mcap_PaxC	100pg		N/A	N/A	N/A	37.14	0.45672	N/A
Mcap_PaxC	10pg		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	CACt	Unkn-1	1000pg	None
A02	SYBR	CACt	Unkn-1	1000pg	None
A03	SYBR	CACt	Unkn-1	1000pg	None
A04	SYBR	CACt	Unkn-2	100pg	None
A05	SYBR	CACt	Unkn-2	100pg	None
A06	SYBR	CACt	Unkn-2	100pg	82.50
A07	SYBR	CACt	Unkn-3	10pg	None
A08	SYBR	CACt	Unkn-3	10pg	None
A09	SYBR	CACt	Unkn-3	10pg	None
A10	SYBR	CACt	NTC-1		None
A11	SYBR	CACt	NTC-1		None
A12	SYBR	CACt	NTC-1		None
B01	SYBR	DACt	Unkn-4	1000pg	81.50
B02	SYBR	DACt	Unkn-4	1000pg	81.50
B03	SYBR	DACt	Unkn-4	1000pg	81.50
B04	SYBR	DACt	Unkn-5	100pg	81.50
B05	SYBR	DACt	Unkn-5	100pg	81.50
B06	SYBR	DACt	Unkn-5	100pg	None
B07	SYBR	DACt	Unkn-6	10pg	None
B08	SYBR	DACt	Unkn-6	10pg	None
B09	SYBR	DACt	Unkn-6	10pg	None
B10	SYBR	DACt	NTC-2		None
B11	SYBR	DACt	NTC-2		None
B12	SYBR	DACt	NTC-2		None
C01	SYBR	Mcap_PaxC	Unkn-7	1000pg	79.00
C02	SYBR	Mcap_PaxC	Unkn-7	1000pg	79.00
C03	SYBR	Mcap_PaxC	Unkn-7	1000pg	79.00
C04	SYBR	Mcap_PaxC	Unkn-8	100pg	79.00
C05	SYBR	Mcap_PaxC	Unkn-8	100pg	79.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
C06	SYBR	Mcap_PaxC	Unkn-8	100pg	79.00
C07	SYBR	Mcap_PaxC	Unkn-9	10pg	None
C08	SYBR	Mcap_PaxC	Unkn-9	10pg	None
C09	SYBR	Mcap_PaxC	Unkn-9	10pg	None
C10	SYBR	Mcap_PaxC	NTC-3		None
C11	SYBR	Mcap_PaxC	NTC-3		None
C12	SYBR	Mcap_PaxC	NTC-3		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	
Positive control with a Cq greater than	30	True		False	
Unknown without a Cq	N/A	True	SYBR:A1, A2, A3, A4, A5, A7, A8, A9, B6, B7, B8, B9, C7, C8, C9.	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	SYBR:B1, B2, B3, B4, B5, C1, C2, C3, C4, C5, C6.	False	