sam_2023-11-19 08-35-30_Connect.pcrd

12/10/2023 09:29

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

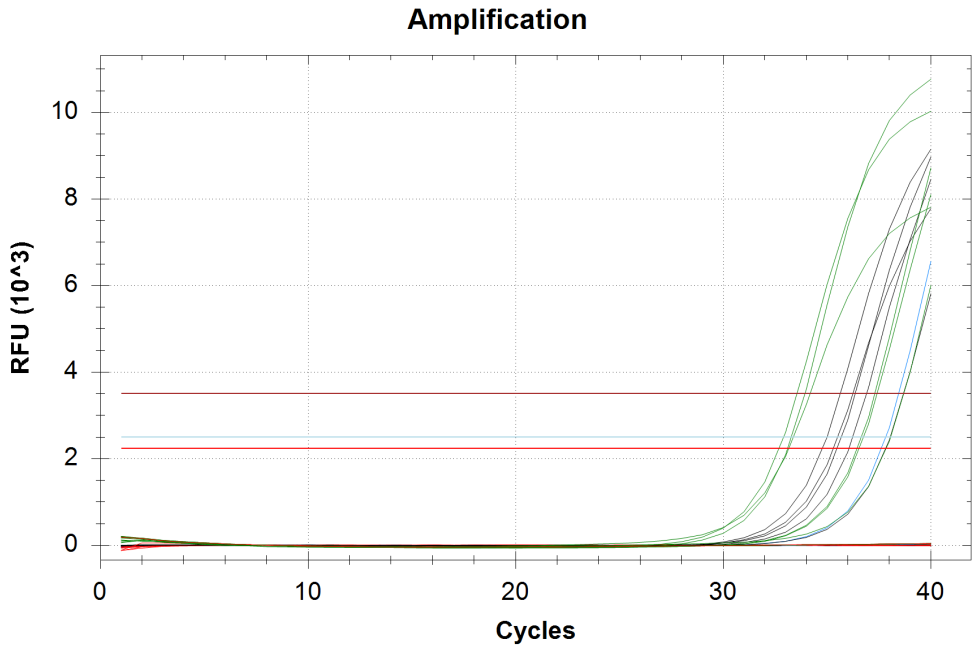
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 CAcT 1000pg	Unk-1 CAcT 1000pg	Unk-1 CAcT 1000pg	Unk-2 CAcT 100pg	Unk-2 CAcT 100pg	Unk-2 CAcT 100pg	Unk-3 CAcT 10pg	Unk-3 CAcT 10pg	Unk-3 CAcT 10pg	NTC-1 CAcT	NTC-1 CAcT	NTC-1 CAcT
B	Unk-4 DAcT 1000pg	Unk-4 DAcT 1000pg	Unk-4 DAcT 1000pg	Unk-5 DAcT 100pg	Unk-5 DAcT 100pg	Unk-5 DAcT 100pg	Unk-6 DAcT 10pg	Unk-6 DAcT 10pg	Unk-6 DAcT 10pg	NTC-2 DAcT	NTC-2 DAcT	NTC-2 DAcT
C	Unk-7 Mcap_PaxC 1000pg	Unk-7 Mcap_PaxC 1000pg	Unk-7 Mcap_PaxC 1000pg	Unk-8 Mcap_PaxC 100pg	Unk-8 Mcap_PaxC 100pg	Unk-8 Mcap_PaxC 100pg	Unk-9 Mcap_PaxC 10pg	Unk-9 Mcap_PaxC 10pg	Unk-9 Mcap_PaxC 10pg	NTC-3 Mcap_PaxC	NTC-3 Mcap_PaxC	NTC-3 Mcap_PaxC
D	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
E	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
F	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR

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: Target
Cq Determination: Single Threshold
Baseline Method:
Mcap_PaxC: Auto Calculated
DAcT: Auto Calculated
CAcT: Auto Calculated
Threshold Setting:
Mcap_PaxC: 2507.40, Auto Calculated
DAcT: 2242.11, Auto Calculated
CAcT: 3512.55, Auto Calculated



Quantification Data

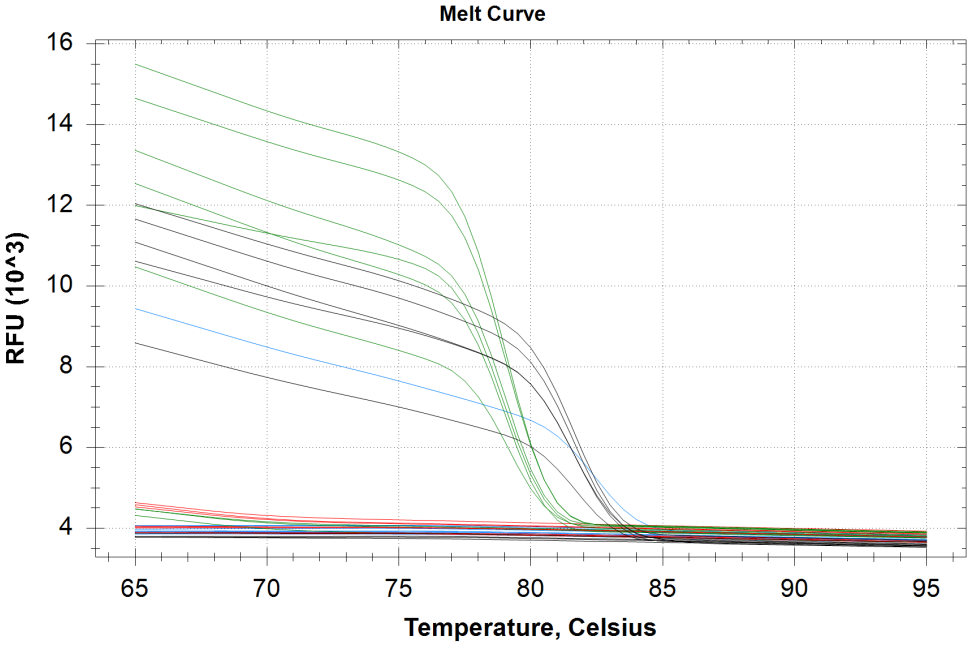
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	CAcT	Unkn-1	1000pg	N/A	0.00	0.000
A02	SYBR	CAcT	Unkn-1	1000pg	N/A	0.00	0.000
A03	SYBR	CAcT	Unkn-1	1000pg	N/A	0.00	0.000
A04	SYBR	CAcT	Unkn-2	100pg	N/A	0.00	0.000
A05	SYBR	CAcT	Unkn-2	100pg	N/A	0.00	0.000
A06	SYBR	CAcT	Unkn-2	100pg	38.45	38.45	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

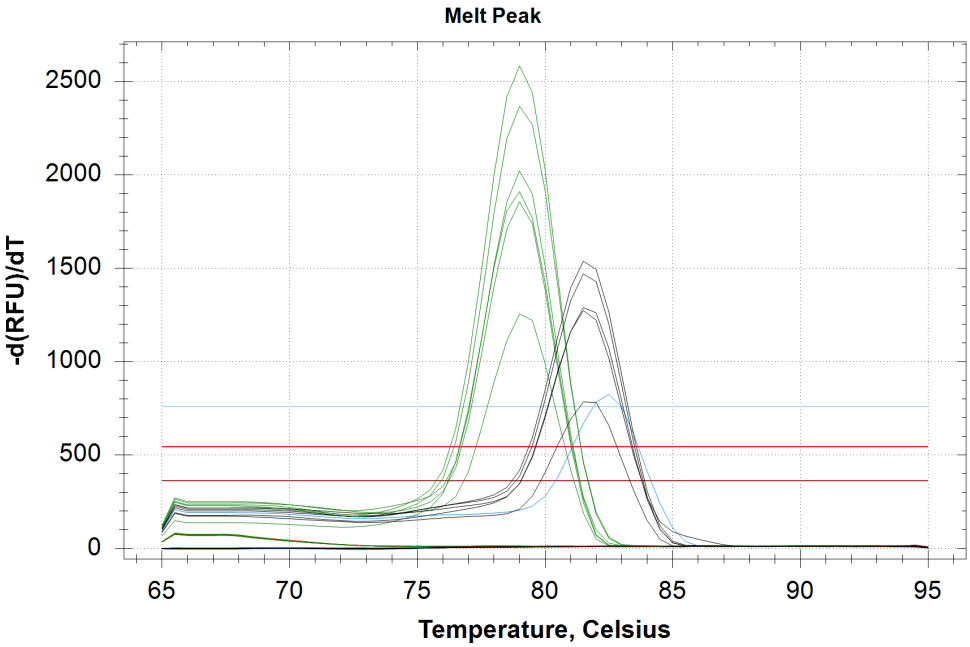
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
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	35.30	35.18	0.367
B02	SYBR	DAcT	Unkn-4	1000pg	34.77	35.18	0.367
B03	SYBR	DAcT	Unkn-4	1000pg	35.48	35.18	0.367
B04	SYBR	DAcT	Unkn-5	100pg	37.82	36.94	1.250
B05	SYBR	DAcT	Unkn-5	100pg	36.06	36.94	1.250
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	33.38	33.19	0.245
C02	SYBR	Mcap_PaxC	Unkn-7	1000pg	32.91	33.19	0.245
C03	SYBR	Mcap_PaxC	Unkn-7	1000pg	33.28	33.19	0.245
C04	SYBR	Mcap_PaxC	Unkn-8	100pg	38.07	37.16	0.788
C05	SYBR	Mcap_PaxC	Unkn-8	100pg	36.76	37.16	0.788
C06	SYBR	Mcap_PaxC	Unkn-8	100pg	36.65	37.16	0.788
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

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

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
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
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	

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Unknown without a Cq	N/A	True	CAcT:A1, A2, A3, A4, A5, A7, A8, A9. DAcT:B6, B7, B8, B9. Mcap_PaxC: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	DAcT:B1, B2, B3, B4, B5. Mcap_PaxC:C1, C2, C3, C4, C5, C6.	False	