Roberts Lab_2011-08-11 09-47-09_CC009827.pcrd

8/11/2011 11:03 AM

Report Information

User: BioRad/Roberts Lab
Data File Name: Roberts Lab_2011-08-11 09-47-09_CC009827.pcrd
Data File Path: C:\Users\srlab\Dropbox\Roberts Lab CFX96 Data (7)\Sam
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run User: Roberts Lab
Run Date: 8/11/2011 9:47 AM
ID:
Notes:
Sample Volume: 20
Temperature Control Mode: Calculated
Lid Temperature: 105
Base Serial Number: CC009827
Optical Head Serial Number: 785BR3659

Protocol

1: 95.0°C for 3:00
2: 95.0°C for 0:05
3: 60.0°C for 0:10
Plate Read
4: GOTO 2, 39 more times
5: 95.0°C for 0:10
6: Melt Curve 65.0°C to 95.0°C : Increment 0.5°C 0:05
Plate Read

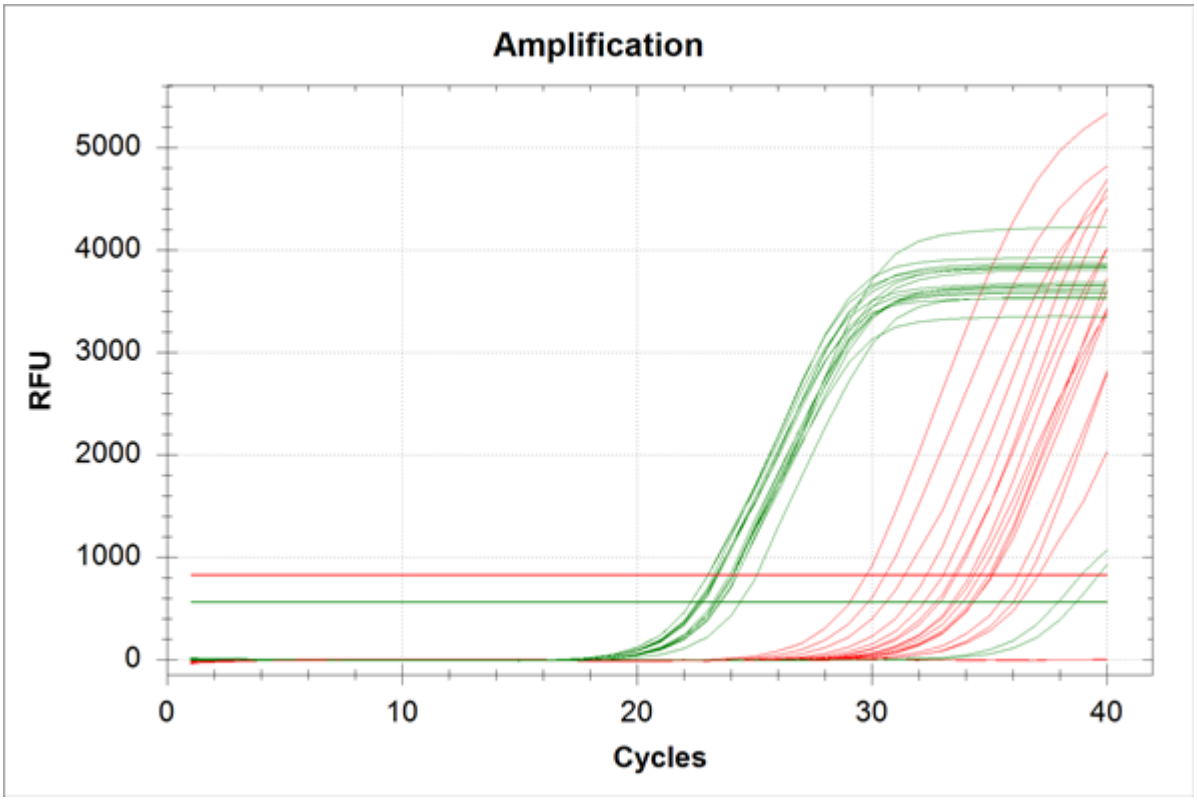
Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk Defensin C1 3hr	Unk Defensin E1 3hr	NTC Defensin	Unk GAPDH C1 3hr	Unk GAPDH E1 3hr	NTC GAPDH						
B	Unk Defensin C2 3hr	Unk Defensin E2 3hr	NTC Defensin	Unk GAPDH C2 3hr	Unk GAPDH E2 3hr	NTC GAPDH						
C	Unk Defensin C3 3hr	Unk Defensin E3 3hr		Unk GAPDH C3 3hr	Unk GAPDH E3 3hr							

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk Defensin C4 3hr	Unk Defensin E4 3hr		Unk GAPDH C4 3hr	Unk GAPDH E4 3hr							
E	Unk Defensin C5 3hr	Unk Defensin E5 3hr		Unk GAPDH C5 3hr	Unk GAPDH E5 3hr							
F	Unk Defensin C6 3hr	Unk Defensin E6 3hr		Unk GAPDH C6 3hr	Unk GAPDH E6 3hr							
G	Unk Defensin C7 3hr	Unk Defensin E7 3hr		Unk GAPDH C7 3hr	Unk GAPDH E7 3hr							
H	Unk Defensin C8 3hr	Unk Defensin E8 3hr		Unk GAPDH C8 3hr	Unk GAPDH E8 3hr							

Quantification

Step #: 3
Analysis Mode: Target
Cq Determination: Single Threshold
Baseline Method:
GAPDH: Auto Calculated
Defensin: Auto Calculated
Threshold Setting:
GAPDH: 568.33, Auto Calculated
Defensin: 832.59, Auto Calculated

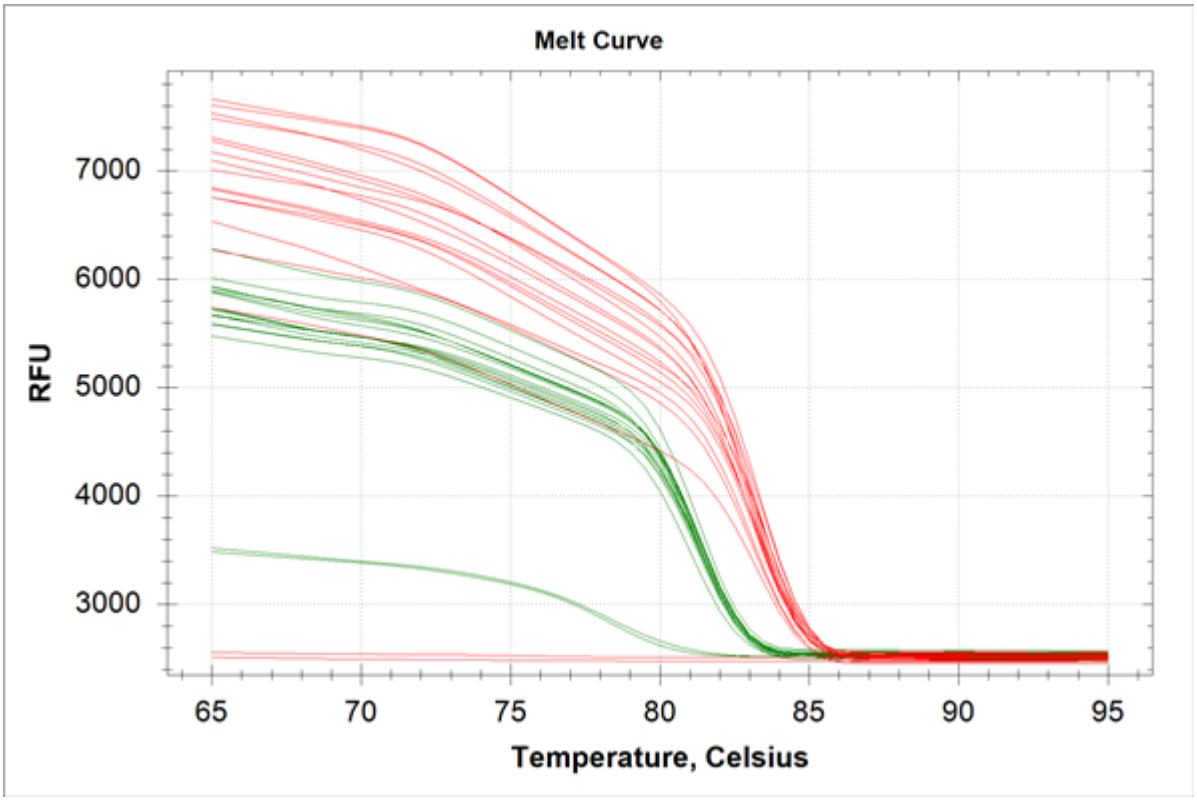


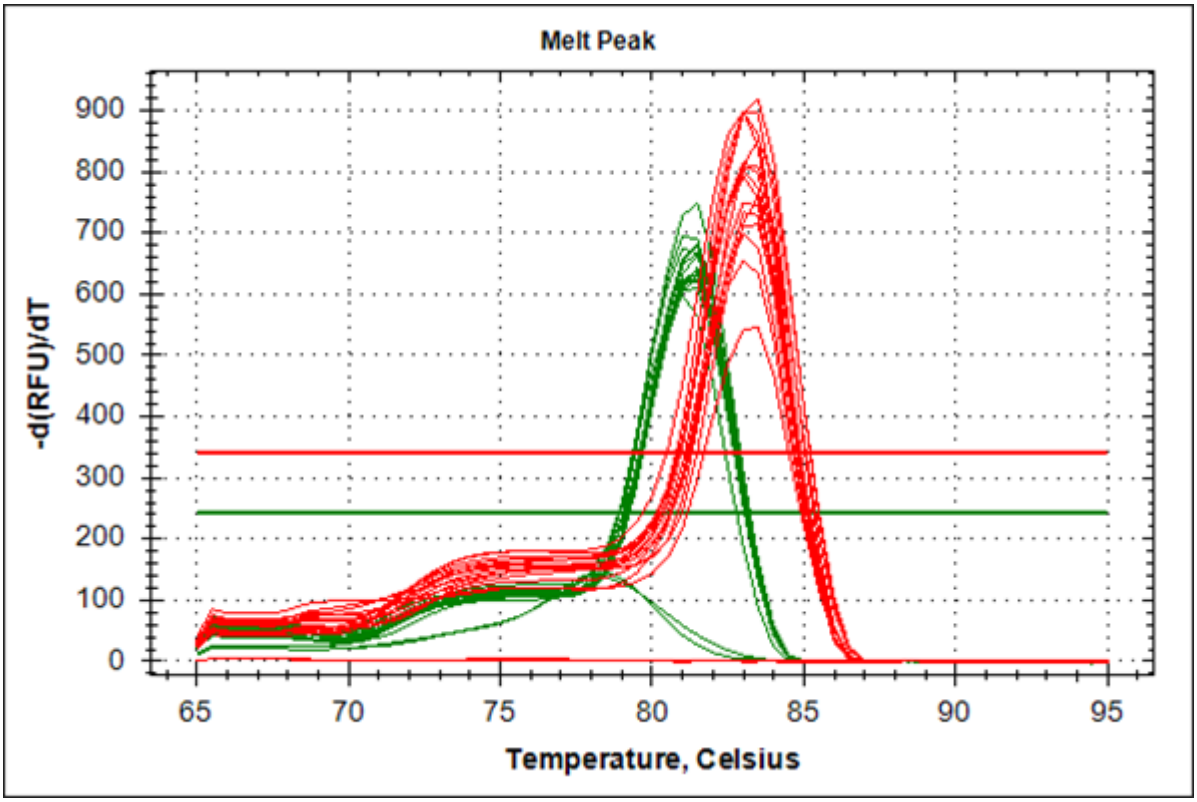
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Defensin	Unkn	C1 3hr	31.39	31.39	0.000
A02	SYBR	Defensin	Unkn	E1 3hr	37.09	37.09	0.000
A03	SYBR	Defensin	NTC		N/A	0.00	0.000
A04	SYBR	GAPDH	Unkn	C1 3hr	22.30	22.30	0.000
A05	SYBR	GAPDH	Unkn	E1 3hr	22.30	22.30	0.000
A06	SYBR	GAPDH	NTC		38.69	38.69	0.000
B01	SYBR	Defensin	Unkn	C2 3hr	35.14	35.14	0.000
B02	SYBR	Defensin	Unkn	E2 3hr	33.04	33.04	0.000
B03	SYBR	Defensin	NTC		N/A	0.00	0.000
B04	SYBR	GAPDH	Unkn	C2 3hr	22.68	22.68	0.000
B05	SYBR	GAPDH	Unkn	E2 3hr	22.64	22.64	0.000
B06	SYBR	GAPDH	NTC		37.93	37.93	0.000
C01	SYBR	Defensin	Unkn	C3 3hr	34.98	34.98	0.000
C02	SYBR	Defensin	Unkn	E3 3hr	36.23	36.23	0.000
C04	SYBR	GAPDH	Unkn	C3 3hr	23.57	23.57	0.000
C05	SYBR	GAPDH	Unkn	E3 3hr	23.33	23.33	0.000
D01	SYBR	Defensin	Unkn	C4 3hr	34.60	34.60	0.000
D02	SYBR	Defensin	Unkn	E4 3hr	33.47	33.47	0.000
D04	SYBR	GAPDH	Unkn	C4 3hr	23.54	23.54	0.000
D05	SYBR	GAPDH	Unkn	E4 3hr	22.81	22.81	0.000
E01	SYBR	Defensin	Unkn	C5 3hr	33.59	33.59	0.000
E02	SYBR	Defensin	Unkn	E5 3hr	32.32	32.32	0.000
E04	SYBR	GAPDH	Unkn	C5 3hr	22.57	22.57	0.000
E05	SYBR	GAPDH	Unkn	E5 3hr	23.42	23.42	0.000
F01	SYBR	Defensin	Unkn	C6 3hr	30.56	30.56	0.000
F02	SYBR	Defensin	Unkn	E6 3hr	36.67	36.67	0.000
F04	SYBR	GAPDH	Unkn	C6 3hr	23.42	23.42	0.000
F05	SYBR	GAPDH	Unkn	E6 3hr	23.34	23.34	0.000
G01	SYBR	Defensin	Unkn	C7 3hr	34.17	34.17	0.000
G02	SYBR	Defensin	Unkn	E7 3hr	29.77	29.77	0.000
G04	SYBR	GAPDH	Unkn	C7 3hr	22.75	22.75	0.000
G05	SYBR	GAPDH	Unkn	E7 3hr	23.23	23.23	0.000
H01	SYBR	Defensin	Unkn	C8 3hr	35.09	35.09	0.000
H02	SYBR	Defensin	Unkn	E8 3hr	34.34	34.34	0.000
H04	SYBR	GAPDH	Unkn	C8 3hr	24.39	24.39	0.000
H05	SYBR	GAPDH	Unkn	E8 3hr	23.34	23.34	0.000

Melt Curve

Step #: 6


Melt Curve
RFU
7000
6000
5000
4000
3000
65
70
75
80
85
90
95
Temperature, Celsius



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	Defensin	Unkn	C1 3hr	83.50
A02	SYBR	Defensin	Unkn	E1 3hr	83.50
A03	SYBR	Defensin	NTC		None
A04	SYBR	GAPDH	Unkn	C1 3hr	81.50
A05	SYBR	GAPDH	Unkn	E1 3hr	81.50
A06	SYBR	GAPDH	NTC		None
B01	SYBR	Defensin	Unkn	C2 3hr	83.50
B02	SYBR	Defensin	Unkn	E2 3hr	83.00
B03	SYBR	Defensin	NTC		None
B04	SYBR	GAPDH	Unkn	C2 3hr	81.50
B05	SYBR	GAPDH	Unkn	E2 3hr	81.50
B06	SYBR	GAPDH	NTC		None
C01	SYBR	Defensin	Unkn	C3 3hr	83.00
C02	SYBR	Defensin	Unkn	E3 3hr	83.50
C04	SYBR	GAPDH	Unkn	C3 3hr	81.50
C05	SYBR	GAPDH	Unkn	E3 3hr	81.50
D01	SYBR	Defensin	Unkn	C4 3hr	83.00
D02	SYBR	Defensin	Unkn	E4 3hr	83.00
D04	SYBR	GAPDH	Unkn	C4 3hr	81.50
D05	SYBR	GAPDH	Unkn	E4 3hr	81.50
E01	SYBR	Defensin	Unkn	C5 3hr	83.50
E02	SYBR	Defensin	Unkn	E5 3hr	83.00
E04	SYBR	GAPDH	Unkn	C5 3hr	81.00
E05	SYBR	GAPDH	Unkn	E5 3hr	81.00
F01	SYBR	Defensin	Unkn	C6 3hr	83.50

Well	Fluor	Target	Content	Sample	Melt Temp
F02	SYBR	Defensin	Unkn	E6 3hr	83.00
F04	SYBR	GAPDH	Unkn	C6 3hr	81.50
F05	SYBR	GAPDH	Unkn	E6 3hr	81.00
G01	SYBR	Defensin	Unkn	C7 3hr	83.00
G02	SYBR	Defensin	Unkn	E7 3hr	83.50
G04	SYBR	GAPDH	Unkn	C7 3hr	81.50
G05	SYBR	GAPDH	Unkn	E7 3hr	81.50
H01	SYBR	Defensin	Unkn	C8 3hr	83.00
H02	SYBR	Defensin	Unkn	E8 3hr	83.00
H04	SYBR	GAPDH	Unkn	C8 3hr	81.50
H05	SYBR	GAPDH	Unkn	E8 3hr	81.50

QC Parameters

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	GAPDH:B6.	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		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	