



Roberts Lab_2011-01-10 13-17-09_CC009827_TelomereAssay_Test3_CGS.pcrd

1/10/2011 5:00 PM

Report Information

User: BioRad\Roberts Lab

Data File Name: Roberts Lab_2011-01-10 13-17-09_CC009827_TelomereAssay_Test3_CGS.pcrd

Data File Path: C:\Users\srlab\Documents\My Dropbox\Roberts Lab CFX96 Data (7)\Caroline\TelomereAssay

Selected Well Group: All Wells

Experiment Setup

Run Information

Run Date: 1/10/2011 1:17:23 PM

Run User: BioRad\Roberts Lab

ID:

Notes:

Sample Volume: 25

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: CC009827

Optical Head Serial Number: 785BR3659

Protocol

1: 95.0°C for 10:00

2: 95.0°C for 0:15

3: 56.0°C for 1:00

4: 72.0°C for 0:10

Plate Read

5: GOTO 2, 39 more times

6: 95.0°C for 0:10

7: Melt Curve 65°C to 95°C : Increment 0.1°C for 0:05

Plate Read

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk Telomere Adult_1	Unk ElongationF Adult_1										
B	Unk Telomere Adult_2	Unk ElongationF Adult_2										
C	Unk Telomere Adult_3	Unk ElongationF Adult_3										
D	Unk Telomere Juv_1	Unk ElongationF Juv_1										
E	Unk Telomere Juv_2	Unk ElongationF Juv_2										
F	Unk Telomere Juv_3	Unk ElongationF Juv_3										
G	Neg Telomere	Neg ElongationF										
H	Neg Telomere	Neg ElongationF										

Quantitation

Step #: 4

Analysis Mode: Baseline Subtracted Curve Fit

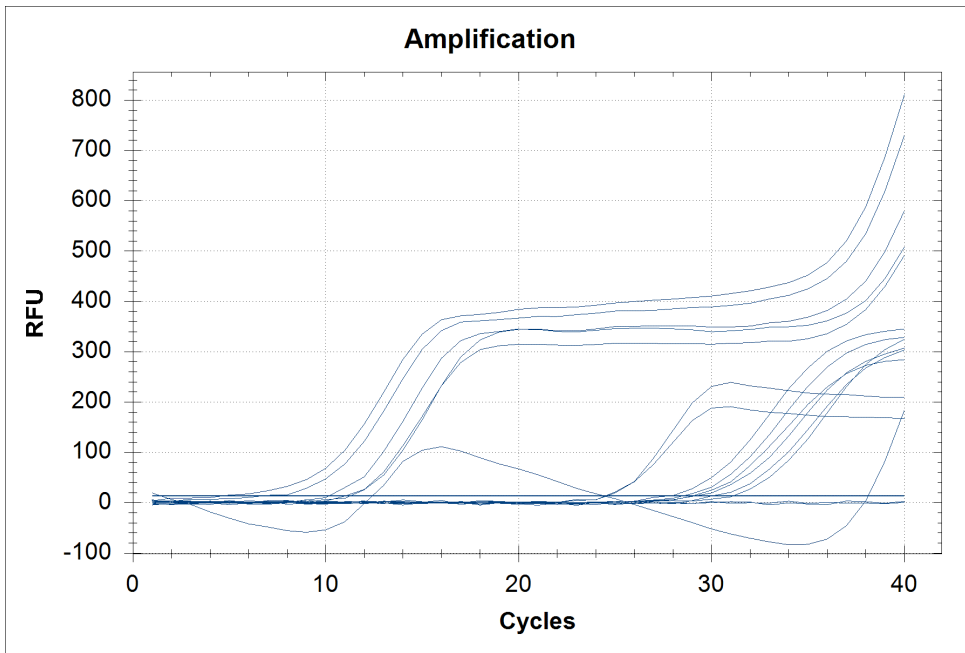
Ct Determination: Single Threshold

Baseline Method per Fluorophore:

FAM: Auto Calculated

Threshold Setting per Fluorophore:

FAM: 13.81, Auto Calculated

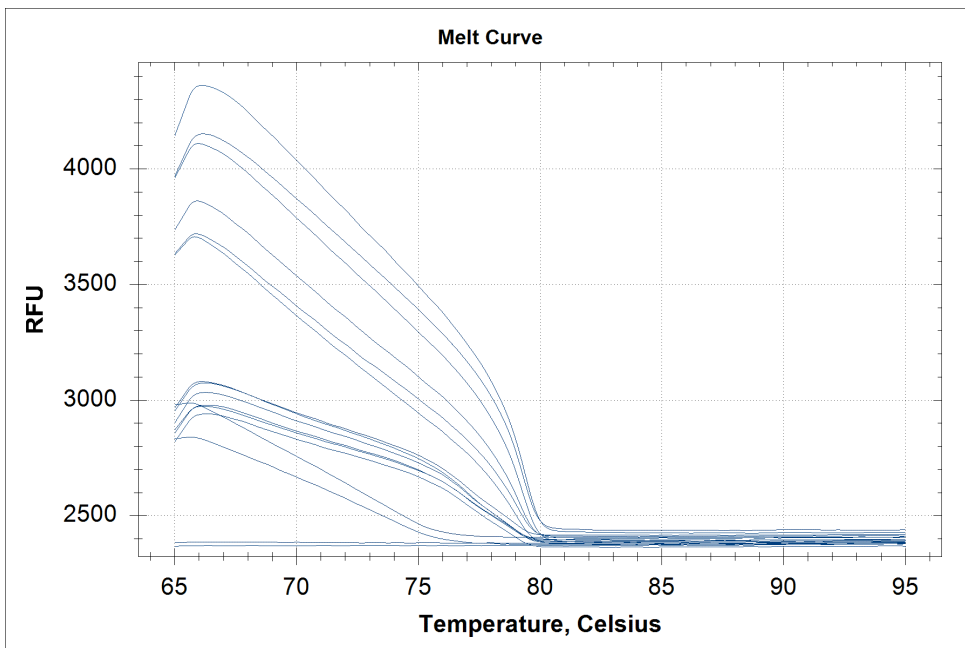


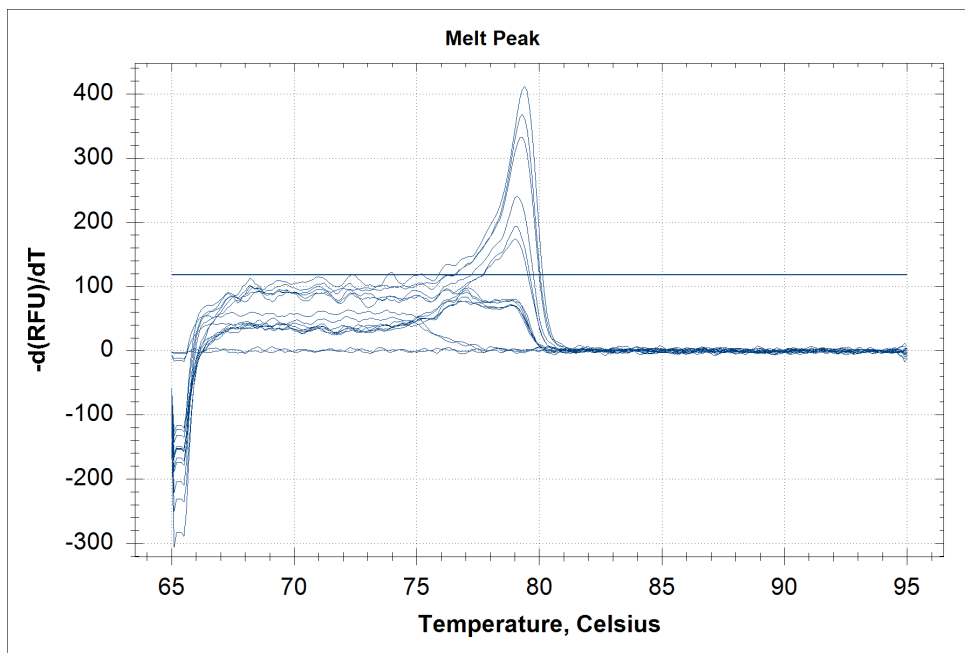
Quantitation Data

Well	Fluor	Content	Target	Sample	Threshold Cycle (C(t))	C(t) Mean	C(t) Std. Dev
A01	FAM	Unkn	Telomere	Adult_1	10.18	10.18	0.000
A02	FAM	Unkn	ElongationF	Adult_1	29.18	29.18	0.000
B01	FAM	Unkn	Telomere	Adult_2	11.03	11.03	0.000
B02	FAM	Unkn	ElongationF	Adult_2	30.05	30.05	0.000
C01	FAM	Unkn	Telomere	Adult_3	11.29	11.29	0.000
C02	FAM	Unkn	ElongationF	Adult_3	31.13	31.13	0.000
D01	FAM	Unkn	Telomere	Juv_1	6.77	6.77	0.000
D02	FAM	Unkn	ElongationF	Juv_1	28.54	28.54	0.000
E01	FAM	Unkn	Telomere	Juv_2	4.71	4.71	0.000
E02	FAM	Unkn	ElongationF	Juv_2	29.04	29.04	0.000
F01	FAM	Unkn	Telomere	Juv_3	12.42	12.42	0.000
F02	FAM	Unkn	ElongationF	Juv_3	27.89	27.89	0.000
G01	FAM	Neg Ctrl	Telomere		24.51	24.51	0.000
G02	FAM	Neg Ctrl	ElongationF		N/A	0.00	0.000
H01	FAM	Neg Ctrl	Telomere		24.59	24.59	0.000
H02	FAM	Neg Ctrl	ElongationF		N/A	0.00	0.000

Melt Curve

Step #: 7





Melt Curve Data

Well	Fluor	Content	Sample	Melt Temp
A01	FAM	Unkn	Adult_1	79.10
B01	FAM	Unkn	Adult_2	79.00
C01	FAM	Unkn	Adult_3	79.00
D01	FAM	Unkn	Juv_1	79.30
E01	FAM	Unkn	Juv_2	74.00
E01	FAM	Unkn	Juv_2	79.40
F01	FAM	Unkn	Juv_3	79.30

End Point

Fluorophore: FAM

End Cycles to Average: 5
 Mode: Percentage of Range - 10
 Lowest RFU Value: -0.448
 Highest RFU Value: 617
 Negative Control Average: 95.6
 Cut Off Value: 148

Well	Fluor	Content	Sample	End RFU	Call
A02	FAM	Unkn	Adult_1	273	(+) Positive
B02	FAM	Unkn	Adult_2	257	(+) Positive
C02	FAM	Unkn	Adult_3	263	(+) Positive
D02	FAM	Unkn	Juv_1	307	(+) Positive
E02	FAM	Unkn	Juv_2	265	(+) Positive
F02	FAM	Unkn	Juv_3	329	(+) Positive
G02	FAM	Neg Ctrl		-0.448	
H02	FAM	Neg Ctrl		0.674	