Roberts Lab_2012-05-01 08-04-41_CC009827.pcrd

5/1/2012 1:15 PM

Report Information

User: BioRad/Roberts Lab
Data File Name: Roberts Lab_2012-05-01 08-04-41_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: 5/1/2012 8:05 AM
ID:
Notes:
Sample Volume: 20
Temperature Control Mode: Calculated
Lid Temperature: 105
Base Serial Number: CC009827
Optical Head Serial Number: 785BR3659

Protocol

1: 98.0°C for 2:00
2: 98.0°C for 0:02
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 0.2°C 0:10
Plate Read

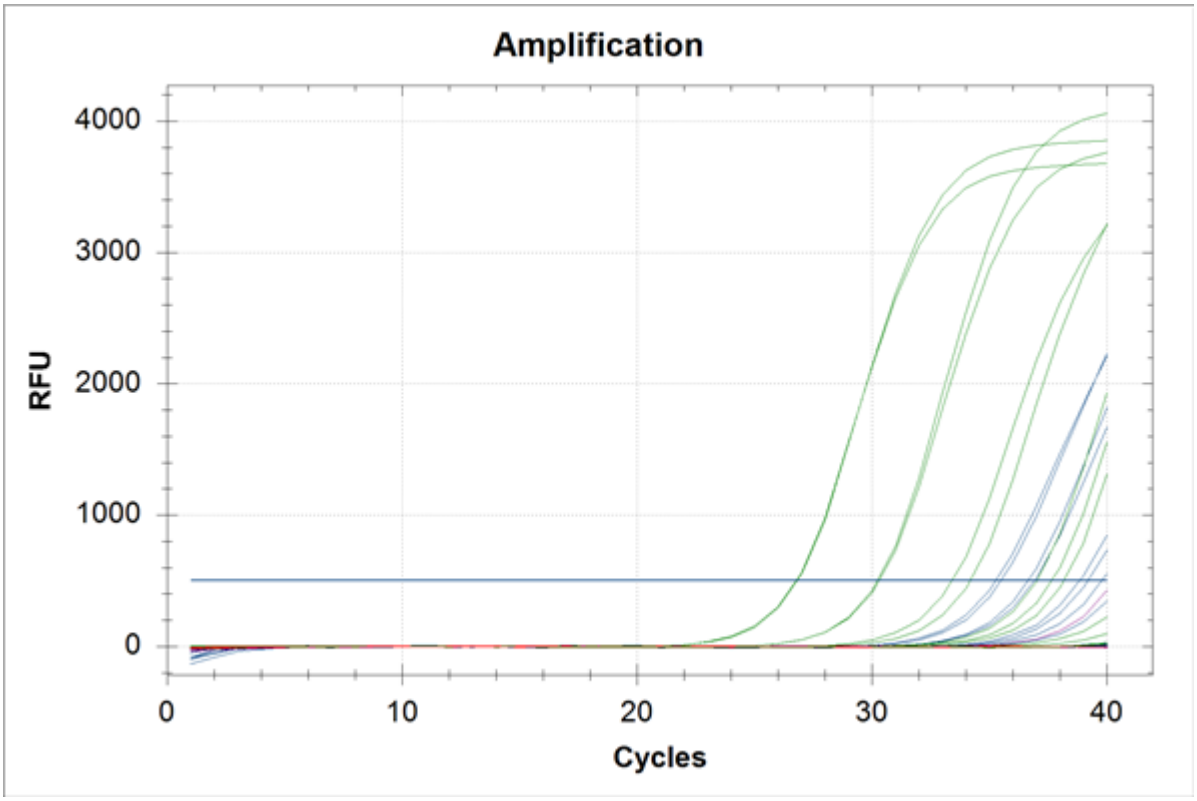
Plate Display

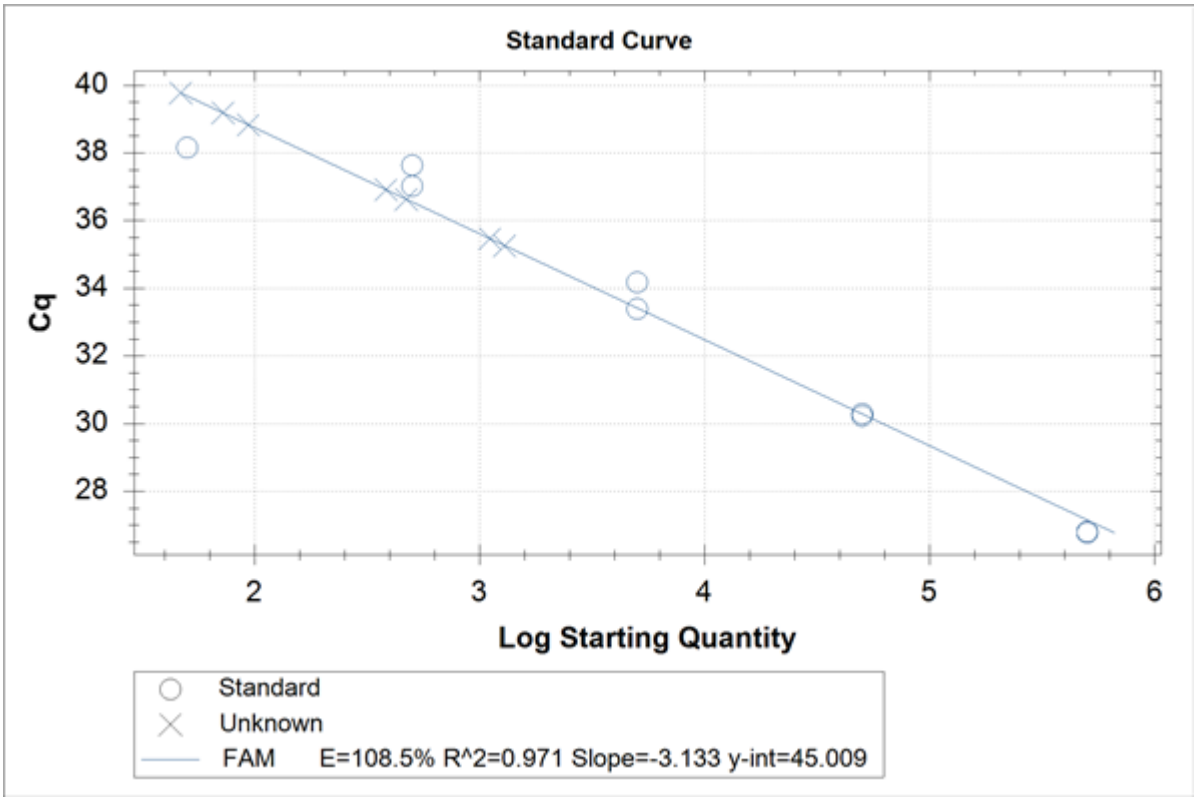
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 VtpA DNA 201	Unk-1 VtpA DNA 201	Unk-2 VtpA DNA 280	Unk-2 VtpA DNA 280	Unk-3 VtpA DNA 314	Unk-3 VtpA DNA 314						
B	Unk-4 VtpA DNA 342	Unk-4 VtpA DNA 342	Unk-5 VtpA DNA 434	Unk-5 VtpA DNA 434	Unk-6 VtpA DNA 552	Unk-6 VtpA DNA 552						
C	Unk-7 VtpA DNA 605	Unk-7 VtpA DNA 605	Unk-8 VtpA cDNA 201	Unk-8 VtpA cDNA 201	Unk-9 VtpA cDNA 280	Unk-9 VtpA cDNA 280						

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-10 VtpA cDNA 314	Unk-10 VtpA cDNA 314	Unk-11 VtpA cDNA 342	Unk-11 VtpA cDNA 342	Unk-12 VtpA cDNA 434	Unk-12 VtpA cDNA 434						
E	Unk-13 VtpA cDNA 552	Unk-13 VtpA cDNA 552	Unk-14 VtpA cDNA 605	Unk-14 VtpA cDNA 605	Std-1 VtpA 1	Std-1 VtpA 1						
F	Std-2 VtpA 2	Std-2 VtpA 2	Std-3 VtpA 3	Std-3 VtpA 3	Std-4 VtpA 4	Std-4 VtpA 4						
G	Std-5 VtpA 5	Std-5 VtpA 5	Std-6 VtpA 6	Std-6 VtpA 6	Std-7 VtpA 7	Std-7 VtpA 7						
H	Std-8 VtpA 8	Std-8 VtpA 8	Neg-1 VtpA	Neg-1 VtpA	NTC-1 VtpA	NTC-1 VtpA						

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
FAM: Auto Calculated
Threshold Setting:
FAM: 503.99, Auto Calculated




Standard Curve
Cq
40
38
36
34
32
30
28
2
3
4
5
6
Log Starting Quantity
Standard
Unknown
FAM E=108.5% R^2=0.971 Slope=-3.133 y-int=45.009

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev	Starting Quantity (SQ)	Log Starting Quantity	SQ Mean	SQ Std. Dev
A01	FAM	VtpA	Unkn-01	DNA 201	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
A02	FAM	VtpA	Unkn-01	DNA 201	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
A03	FAM	VtpA	Unkn-02	DNA 280	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
A04	FAM	VtpA	Unkn-02	DNA 280	39.19	39.19	0.000	7.207E+01	1.858	7.21E+01	0.00E+00
A05	FAM	VtpA	Unkn-03	DNA 314	38.83	39.30	0.665	9.342E+01	1.970	7.01E+01	3.30E+01
A06	FAM	VtpA	Unkn-03	DNA 314	39.78	39.30	0.665	4.681E+01	1.670	7.01E+01	3.30E+01
B01	FAM	VtpA	Unkn-04	DNA 342	35.27	35.37	0.145	1.286E+03	3.109	1.20E+03	1.27E+02
B02	FAM	VtpA	Unkn-04	DNA 342	35.47	35.37	0.145	1.107E+03	3.044	1.20E+03	1.27E+02
B03	FAM	VtpA	Unkn-05	DNA 434	36.64	36.78	0.198	4.698E+02	2.672	4.26E+02	6.19E+01
B04	FAM	VtpA	Unkn-05	DNA 434	36.92	36.78	0.198	3.823E+02	2.582	4.26E+02	6.19E+01
B05	FAM	VtpA	Unkn-06	DNA 552	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
B06	FAM	VtpA	Unkn-06	DNA 552	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C01	FAM	VtpA	Unkn-07	DNA 605	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C02	FAM	VtpA	Unkn-07	DNA 605	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C03	FAM	VtpA	Unkn-08	cDNA 201	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C04	FAM	VtpA	Unkn-08	cDNA 201	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C05	FAM	VtpA	Unkn-09	cDNA 280	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
C06	FAM	VtpA	Unkn-09	cDNA 280	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D01	FAM	VtpA	Unkn-10	cDNA 314	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D02	FAM	VtpA	Unkn-10	cDNA 314	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D03	FAM	VtpA	Unkn-11	cDNA 342	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D04	FAM	VtpA	Unkn-11	cDNA 342	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D05	FAM	VtpA	Unkn-12	cDNA 434	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
D06	FAM	VtpA	Unkn-12	cDNA 434	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
E01	FAM	VtpA	Unkn-13	cDNA 552	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
E02	FAM	VtpA	Unkn-13	cDNA 552	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
E03	FAM	VtpA	Unkn-14	cDNA 605	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
E04	FAM	VtpA	Unkn-14	cDNA 605	N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
E05	FAM	VtpA	Std-01	1	N/A	0.00	0.000	3.000E+00	0.477	0.00E+00	0.00E+00
E06	FAM	VtpA	Std-01	1	N/A	0.00	0.000	3.000E+00	0.477	0.00E+00	0.00E+00
F01	FAM	VtpA	Std-02	2	N/A	0.00	0.000	1.200E+01	1.079	0.00E+00	0.00E+00
F02	FAM	VtpA	Std-02	2	N/A	0.00	0.000	1.200E+01	1.079	0.00E+00	0.00E+00
F03	FAM	VtpA	Std-03	3	N/A	0.00	0.000	2.500E+01	1.398	0.00E+00	0.00E+00
F04	FAM	VtpA	Std-03	3	N/A	0.00	0.000	2.500E+01	1.398	0.00E+00	0.00E+00
F05	FAM	VtpA	Std-04	4	N/A	0.00	0.000	5.000E+01	1.699	0.00E+00	0.00E+00
F06	FAM	VtpA	Std-04	4	38.16	38.16	0.000	5.000E+01	1.699	5.00E+01	0.00E+00
G01	FAM	VtpA	Std-05	5	37.02	37.33	0.434	5.000E+02	2.699	5.00E+02	0.00E+00
G02	FAM	VtpA	Std-05	5	37.64	37.33	0.434	5.000E+02	2.699	5.00E+02	0.00E+00
G03	FAM	VtpA	Std-06	6	34.18	33.79	0.555	5.000E+03	3.699	5.00E+03	0.00E+00
G04	FAM	VtpA	Std-06	6	33.39	33.79	0.555	5.000E+03	3.699	5.00E+03	0.00E+00
G05	FAM	VtpA	Std-07	7	30.22	30.26	0.050	5.000E+04	4.699	5.00E+04	0.00E+00
G06	FAM	VtpA	Std-07	7	30.30	30.26	0.050	5.000E+04	4.699	5.00E+04	0.00E+00
H01	FAM	VtpA	Std-08	8	26.77	26.79	0.028	5.000E+05	5.699	5.00E+05	0.00E+00
H02	FAM	VtpA	Std-08	8	26.81	26.79	0.028	5.000E+05	5.699	5.00E+05	0.00E+00
H03	FAM	VtpA	Neg Ctrl-01		N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
H04	FAM	VtpA	Neg Ctrl-01		N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00
H05	FAM	VtpA	NTC-01		N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev	Starting Quantity (SQ)	Log Starting Quantity	SQ Mean	SQ Std. Dev
H06	FAM	VtpA	NTC-01		N/A	0.00	0.000	N/A	N/A	0.00E+00	0.00E+00

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		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	FAM:A1, A2, A3, B5, B6, C1, C2, C3, C4, C5, C6, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4.	False	
Standard without a Cq	N/A	True	FAM:E5, E6, F1, F2, F3, F4, F5.	False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			
Std Curve R^2 less than	0.980	True	FAM		
Replicate group Cq Std Dev greater than	0.20	True	FAM:A5, A6, G1, G2, G3, G4.	False	