



# Roberts Lab\_2011-03-21 11-15-44\_CC009827.pcrd

3/22/2011 9:17 AM

## Report Information

User: BioRad/Roberts Lab  
Data File Name: Roberts Lab\_2011-03-21 11-15-44\_CC009827.pcrd  
Data File Path: C:\Users\srlab\Documents\My 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: 3/21/2011 11:16 AM  
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: 55.0°C for 0:15  
4: 72.0°C for 0:30  
Plate Read  
5: GOTO 2, 39 more times  
6: 95.0°C for 0:10  
7: 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 HMGP BB01	Unk-9 HMGP BB12	Unk-17 HMGP DH01	Unk-25 HMGP DH09	Unk-33 HMGP DH17		Unk-1 HMGP BB01	Unk-9 HMGP BB12	Unk-17 HMGP DH01	Unk-25 HMGP DH09	Unk-33 HMGP DH17	
B	Unk-2 HMGP BB03	Unk-10 HMGP BB13	Unk-18 HMGP DH02	Unk-26 HMGP DH10	Unk-34 HMGP DH18		Unk-2 HMGP BB03	Unk-10 HMGP BB13	Unk-18 HMGP DH02	Unk-26 HMGP DH10	Unk-34 HMGP DH18	
C	Unk-3 HMGP BB04	Unk-11 HMGP BB14	Unk-19 HMGP DH03	Unk-27 HMGP DH11	Unk-35 HMGP DH19		Unk-3 HMGP BB04	Unk-11 HMGP BB14	Unk-19 HMGP DH03	Unk-27 HMGP DH11	Unk-35 HMGP DH19	

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-4 HMGP BB07	Unk-12 HMGP BB16	Unk-20 HMGP DH04	Unk-28 HMGP DH12	Unk-36 HMGP DH20		Unk-4 HMGP BB07	Unk-12 HMGP BB16	Unk-20 HMGP DH04	Unk-28 HMGP DH12	Unk-36 HMGP DH20	
E	Unk-5 HMGP BB08	Unk-13 HMGP BB17	Unk-21 HMGP DH05	Unk-29 HMGP DH13	NTC HMGP		Unk-5 HMGP BB08	Unk-13 HMGP BB17	Unk-21 HMGP DH05	Unk-29 HMGP DH13	NTC HMGP	
F	Unk-6 HMGP BB09	Unk-14 HMGP BB18	Unk-22 HMGP DH06	Unk-30 HMGP DH14	NTC HMGP		Unk-6 HMGP BB09	Unk-14 HMGP BB18	Unk-22 HMGP DH06	Unk-30 HMGP DH14	NTC HMGP	
G	Unk-7 HMGP BB10	Unk-15 HMGP BB19	Unk-23 HMGP DH07	Unk-31 HMGP DH15	NTC HMGP		Unk-7 HMGP BB10	Unk-15 HMGP BB19	Unk-23 HMGP DH07	Unk-31 HMGP DH15	NTC HMGP	
H	Unk-8 HMGP BB11	Unk-16 HMGP BB20	Unk-24 HMGP DH08	Unk-32 HMGP DH16	NTC HMGP		Unk-8 HMGP BB11	Unk-16 HMGP BB20	Unk-24 HMGP DH08	Unk-32 HMGP DH16	NTC HMGP	

## Quantification

Step #: 4

Analysis Mode: Fluorophore

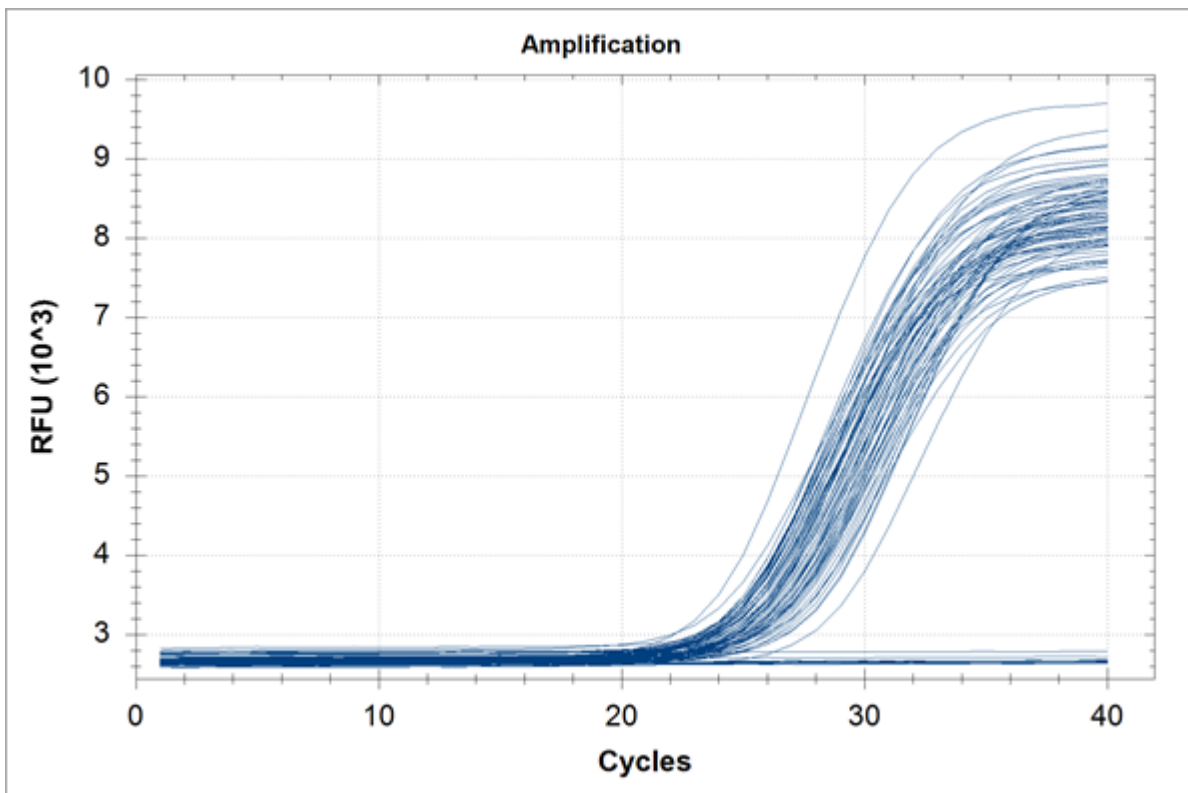
Cq Determination: Single Threshold

Baseline Method:

FAM: Auto Calculated

Threshold Setting:

FAM: None, Auto Calculated



## Quantification Data

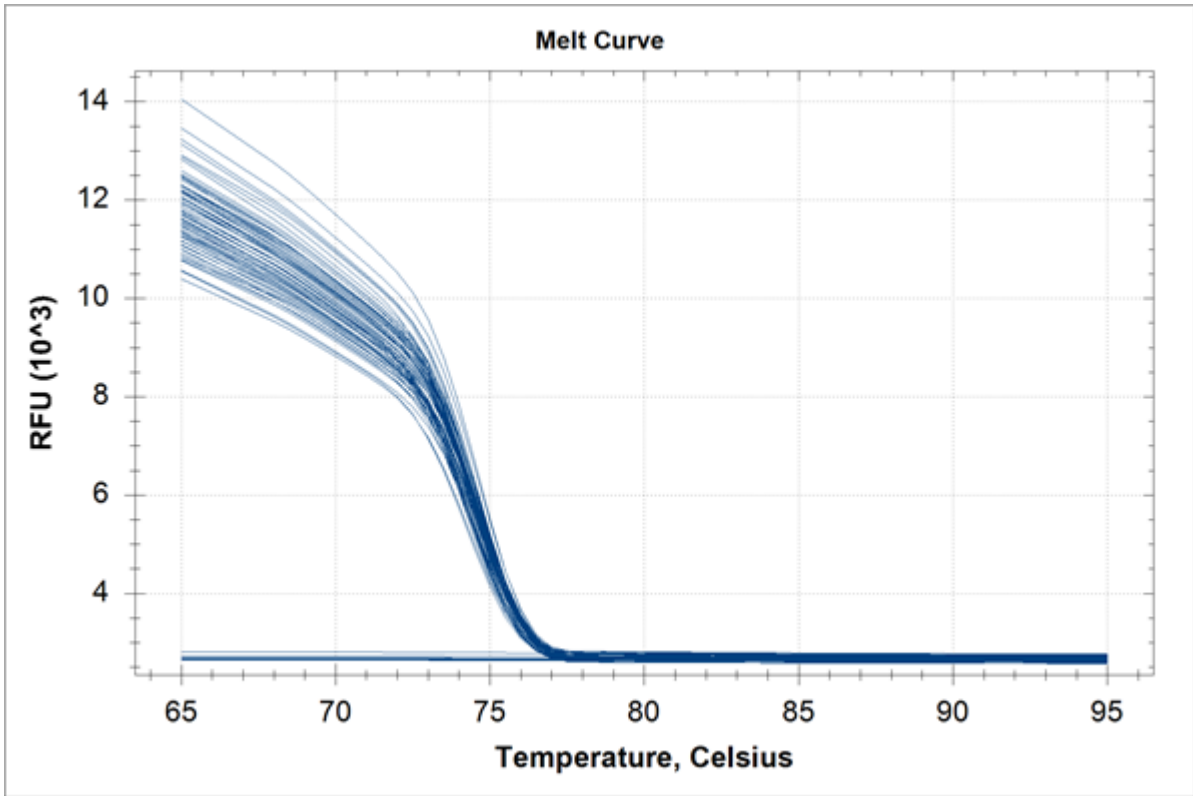
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	FAM	HMGP	Unkn-01	BB01	N/A	0.00	0.000

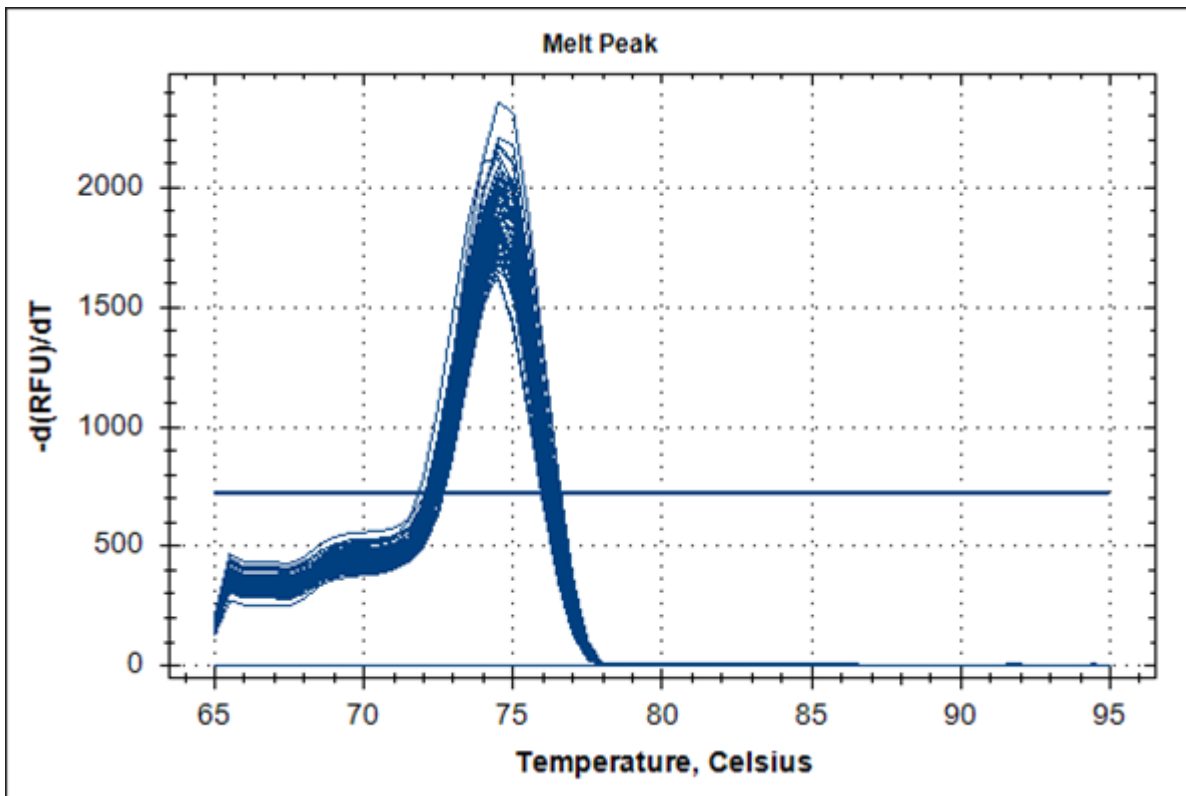
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A02	FAM	HMGP	Unkn-09	BB12	N/A	0.00	0.000
A03	FAM	HMGP	Unkn-17	DH01	N/A	0.00	0.000
A04	FAM	HMGP	Unkn-25	DH09	N/A	0.00	0.000
A05	FAM	HMGP	Unkn-33	DH17	N/A	0.00	0.000
A07	FAM	HMGP	Unkn-01	BB01	N/A	0.00	0.000
A08	FAM	HMGP	Unkn-09	BB12	N/A	0.00	0.000
A09	FAM	HMGP	Unkn-17	DH01	N/A	0.00	0.000
A10	FAM	HMGP	Unkn-25	DH09	N/A	0.00	0.000
A11	FAM	HMGP	Unkn-33	DH17	N/A	0.00	0.000
B01	FAM	HMGP	Unkn-02	BB03	N/A	0.00	0.000
B02	FAM	HMGP	Unkn-10	BB13	N/A	0.00	0.000
B03	FAM	HMGP	Unkn-18	DH02	N/A	0.00	0.000
B04	FAM	HMGP	Unkn-26	DH10	N/A	0.00	0.000
B05	FAM	HMGP	Unkn-34	DH18	N/A	0.00	0.000
B07	FAM	HMGP	Unkn-02	BB03	N/A	0.00	0.000
B08	FAM	HMGP	Unkn-10	BB13	N/A	0.00	0.000
B09	FAM	HMGP	Unkn-18	DH02	N/A	0.00	0.000
B10	FAM	HMGP	Unkn-26	DH10	N/A	0.00	0.000
B11	FAM	HMGP	Unkn-34	DH18	N/A	0.00	0.000
C01	FAM	HMGP	Unkn-03	BB04	N/A	0.00	0.000
C02	FAM	HMGP	Unkn-11	BB14	N/A	0.00	0.000
C03	FAM	HMGP	Unkn-19	DH03	N/A	0.00	0.000
C04	FAM	HMGP	Unkn-27	DH11	N/A	0.00	0.000
C05	FAM	HMGP	Unkn-35	DH19	N/A	0.00	0.000
C07	FAM	HMGP	Unkn-03	BB04	N/A	0.00	0.000
C08	FAM	HMGP	Unkn-11	BB14	N/A	0.00	0.000
C09	FAM	HMGP	Unkn-19	DH03	N/A	0.00	0.000
C10	FAM	HMGP	Unkn-27	DH11	N/A	0.00	0.000
C11	FAM	HMGP	Unkn-35	DH19	N/A	0.00	0.000
D01	FAM	HMGP	Unkn-04	BB07	N/A	0.00	0.000
D02	FAM	HMGP	Unkn-12	BB16	N/A	0.00	0.000
D03	FAM	HMGP	Unkn-20	DH04	N/A	0.00	0.000
D04	FAM	HMGP	Unkn-28	DH12	N/A	0.00	0.000
D05	FAM	HMGP	Unkn-36	DH20	N/A	0.00	0.000
D07	FAM	HMGP	Unkn-04	BB07	N/A	0.00	0.000
D08	FAM	HMGP	Unkn-12	BB16	N/A	0.00	0.000
D09	FAM	HMGP	Unkn-20	DH04	N/A	0.00	0.000
D10	FAM	HMGP	Unkn-28	DH12	N/A	0.00	0.000
D11	FAM	HMGP	Unkn-36	DH20	N/A	0.00	0.000
E01	FAM	HMGP	Unkn-05	BB08	N/A	0.00	0.000
E02	FAM	HMGP	Unkn-13	BB17	N/A	0.00	0.000
E03	FAM	HMGP	Unkn-21	DH05	N/A	0.00	0.000
E04	FAM	HMGP	Unkn-29	DH13	N/A	0.00	0.000
E05	FAM	HMGP	NTC		N/A	0.00	0.000
E07	FAM	HMGP	Unkn-05	BB08	N/A	0.00	0.000
E08	FAM	HMGP	Unkn-13	BB17	N/A	0.00	0.000
E09	FAM	HMGP	Unkn-21	DH05	N/A	0.00	0.000
E10	FAM	HMGP	Unkn-29	DH13	N/A	0.00	0.000
E11	FAM	HMGP	NTC		N/A	0.00	0.000

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F01	FAM	HMGP	Unkn-06	BB09	N/A	0.00	0.000
F02	FAM	HMGP	Unkn-14	BB18	N/A	0.00	0.000
F03	FAM	HMGP	Unkn-22	DH06	N/A	0.00	0.000
F04	FAM	HMGP	Unkn-30	DH14	N/A	0.00	0.000
F05	FAM	HMGP	NTC		N/A	0.00	0.000
F07	FAM	HMGP	Unkn-06	BB09	N/A	0.00	0.000
F08	FAM	HMGP	Unkn-14	BB18	N/A	0.00	0.000
F09	FAM	HMGP	Unkn-22	DH06	N/A	0.00	0.000
F10	FAM	HMGP	Unkn-30	DH14	N/A	0.00	0.000
F11	FAM	HMGP	NTC		N/A	0.00	0.000
G01	FAM	HMGP	Unkn-07	BB10	N/A	0.00	0.000
G02	FAM	HMGP	Unkn-15	BB19	N/A	0.00	0.000
G03	FAM	HMGP	Unkn-23	DH07	N/A	0.00	0.000
G04	FAM	HMGP	Unkn-31	DH15	N/A	0.00	0.000
G05	FAM	HMGP	NTC		N/A	0.00	0.000
G07	FAM	HMGP	Unkn-07	BB10	N/A	0.00	0.000
G08	FAM	HMGP	Unkn-15	BB19	N/A	0.00	0.000
G09	FAM	HMGP	Unkn-23	DH07	N/A	0.00	0.000
G10	FAM	HMGP	Unkn-31	DH15	N/A	0.00	0.000
G11	FAM	HMGP	NTC		N/A	0.00	0.000
H01	FAM	HMGP	Unkn-08	BB11	N/A	0.00	0.000
H02	FAM	HMGP	Unkn-16	BB20	N/A	0.00	0.000
H03	FAM	HMGP	Unkn-24	DH08	N/A	0.00	0.000
H04	FAM	HMGP	Unkn-32	DH16	N/A	0.00	0.000
H05	FAM	HMGP	NTC		N/A	0.00	0.000
H07	FAM	HMGP	Unkn-08	BB11	N/A	0.00	0.000
H08	FAM	HMGP	Unkn-16	BB20	N/A	0.00	0.000
H09	FAM	HMGP	Unkn-24	DH08	N/A	0.00	0.000
H10	FAM	HMGP	Unkn-32	DH16	N/A	0.00	0.000
H11	FAM	HMGP	NTC		N/A	0.00	0.000

## Melt Curve

Step #: 7





### Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	FAM	HMGP	Unkn-01	BB01	None
A02	FAM	HMGP	Unkn-09	BB12	74.50
A03	FAM	HMGP	Unkn-17	DH01	74.50
A04	FAM	HMGP	Unkn-25	DH09	74.50
A05	FAM	HMGP	Unkn-33	DH17	74.50
A07	FAM	HMGP	Unkn-01	BB01	None
A08	FAM	HMGP	Unkn-09	BB12	75.00
A09	FAM	HMGP	Unkn-17	DH01	74.50
A10	FAM	HMGP	Unkn-25	DH09	74.50
A11	FAM	HMGP	Unkn-33	DH17	74.50
B01	FAM	HMGP	Unkn-02	BB03	74.50
B02	FAM	HMGP	Unkn-10	BB13	74.50
B03	FAM	HMGP	Unkn-18	DH02	74.50
B04	FAM	HMGP	Unkn-26	DH10	74.50
B05	FAM	HMGP	Unkn-34	DH18	74.50
B07	FAM	HMGP	Unkn-02	BB03	74.50
B08	FAM	HMGP	Unkn-10	BB13	74.50
B09	FAM	HMGP	Unkn-18	DH02	74.50
B10	FAM	HMGP	Unkn-26	DH10	74.50
B11	FAM	HMGP	Unkn-34	DH18	74.50
C01	FAM	HMGP	Unkn-03	BB04	74.50
C02	FAM	HMGP	Unkn-11	BB14	74.50
C03	FAM	HMGP	Unkn-19	DH03	74.50
C04	FAM	HMGP	Unkn-27	DH11	74.50
C05	FAM	HMGP	Unkn-35	DH19	74.50

Well	Fluor	Target	Content	Sample	Melt Temp
C07	FAM	HMGP	Unkn-03	BB04	74.50
C08	FAM	HMGP	Unkn-11	BB14	74.50
C09	FAM	HMGP	Unkn-19	DH03	74.50
C10	FAM	HMGP	Unkn-27	DH11	74.50
C11	FAM	HMGP	Unkn-35	DH19	74.50
D01	FAM	HMGP	Unkn-04	BB07	75.00
D02	FAM	HMGP	Unkn-12	BB16	74.50
D03	FAM	HMGP	Unkn-20	DH04	74.50
D04	FAM	HMGP	Unkn-28	DH12	74.50
D05	FAM	HMGP	Unkn-36	DH20	74.50
D07	FAM	HMGP	Unkn-04	BB07	74.50
D08	FAM	HMGP	Unkn-12	BB16	74.50
D09	FAM	HMGP	Unkn-20	DH04	74.50
D10	FAM	HMGP	Unkn-28	DH12	74.50
D11	FAM	HMGP	Unkn-36	DH20	74.50
E01	FAM	HMGP	Unkn-05	BB08	75.00
E02	FAM	HMGP	Unkn-13	BB17	74.50
E03	FAM	HMGP	Unkn-21	DH05	74.50
E04	FAM	HMGP	Unkn-29	DH13	74.50
E05	FAM	HMGP	NTC		None
E07	FAM	HMGP	Unkn-05	BB08	74.50
E08	FAM	HMGP	Unkn-13	BB17	74.50
E09	FAM	HMGP	Unkn-21	DH05	74.50
E10	FAM	HMGP	Unkn-29	DH13	74.50
E11	FAM	HMGP	NTC		None
F01	FAM	HMGP	Unkn-06	BB09	74.50
F02	FAM	HMGP	Unkn-14	BB18	74.50
F03	FAM	HMGP	Unkn-22	DH06	74.50
F04	FAM	HMGP	Unkn-30	DH14	74.50
F05	FAM	HMGP	NTC		None
F07	FAM	HMGP	Unkn-06	BB09	74.50
F08	FAM	HMGP	Unkn-14	BB18	74.50
F09	FAM	HMGP	Unkn-22	DH06	74.50
F10	FAM	HMGP	Unkn-30	DH14	74.50
F11	FAM	HMGP	NTC		None
G01	FAM	HMGP	Unkn-07	BB10	74.50
G02	FAM	HMGP	Unkn-15	BB19	74.50
G03	FAM	HMGP	Unkn-23	DH07	74.50
G04	FAM	HMGP	Unkn-31	DH15	74.50
G05	FAM	HMGP	NTC		None
G07	FAM	HMGP	Unkn-07	BB10	74.50
G08	FAM	HMGP	Unkn-15	BB19	74.50
G09	FAM	HMGP	Unkn-23	DH07	74.50
G10	FAM	HMGP	Unkn-31	DH15	74.50
G11	FAM	HMGP	NTC		None
H01	FAM	HMGP	Unkn-08	BB11	74.50
H02	FAM	HMGP	Unkn-16	BB20	74.50
H03	FAM	HMGP	Unkn-24	DH08	74.50
H04	FAM	HMGP	Unkn-32	DH16	74.50
H05	FAM	HMGP	NTC		None

Well	Fluor	Target	Content	Sample	Melt Temp
H07	FAM	HMGP	Unkn-08	BB11	74.50
H08	FAM	HMGP	Unkn-16	BB20	74.50
H09	FAM	HMGP	Unkn-24	DH08	74.50
H10	FAM	HMGP	Unkn-32	DH16	74.50
H11	FAM	HMGP	NTC		None

## 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, A4, A5, A7, A8, A9, A10, A11, B1, B2, B3, B4, B5, B7, B8, B9, B10, B11, C1, C2, C3, C4, C5, C7, C8, C9, C10, C11, D1, D2, D3, D4, D5, D7, D8, D9, D10, D11, E1, E2, E3, E4, E7, E8, E9, E10, F1, F2, F3, F4, F7, F8, F9, F10, G1, G2, G3, G4, G	False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			
Std Curve R <sup>2</sup> less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True		False	