Roberts Lab_2011-05-20 12-31-56_CC009827.pcrd

5/20/2011 2:06 PM

Report Information

User: BioRad/Roberts Lab
Data File Name: Roberts Lab_2011-05-20 12-31-56_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: 5/20/2011 12:32 PM
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: 55.0°C for 0:05
  Plate Read
4: GOTO 2, 39 more times
5: Melt Curve 75.0°C to 95.0°C : Increment 0.2°C 0:10
Plate Read

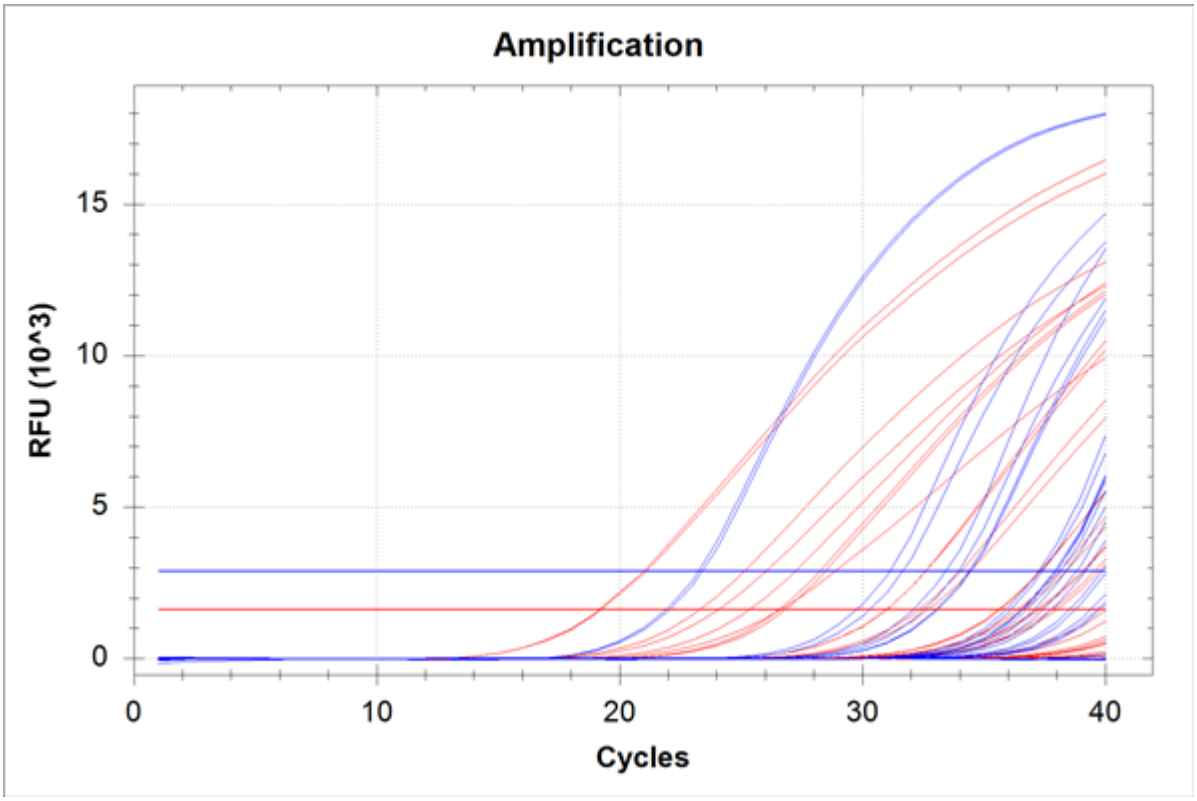
Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk LABY RT Control A	Unk LABY RT Control A	Unk LABY 10C Control A	Unk LABY 10C Control A	Unk LABY 81 10C A	Unk LABY 81 10C A	Unk SPB RT Control A	Unk SPB RT Control A	Unk SPB 10C Control A	Unk SPB 10C Control A	Unk SPB 81 10C A	Unk SPB 81 10C A
B	Unk LABY RT Control B	Unk LABY RT Control B	Unk LABY 10C Control B	Unk LABY 10C Control B	Unk LABY 81 10C B	Unk LABY 81 10C B	Unk SPB RT Control B	Unk SPB RT Control B	Unk SPB 10C Control B	Unk SPB 10C Control B	Unk SPB 81 10C B	Unk SPB 81 10C B

	1	2	3	4	5	6	7	8	9	10	11	12
C	Unk LABY ATCC 10C A	Unk LABY ATCC 10C A	Unk LABY 10C Tissue A	Unk LABY 10C Tissue A	Unk LABY 81 RT A	Unk LABY 81 RT A	Unk SPB ATCC 10C A	Unk SPB ATCC 10C A	Unk SPB 10C Tissue A	Unk SPB 10C Tissue A	Unk SPB 81 RT A	Unk SPB 81 RT A
D	Unk LABY ATCC 10C B	Unk LABY ATCC 10C B	Unk LABY 10C Tissue B	Unk LABY 10C Tissue B	Unk LABY 81 RT B	Unk LABY 81 RT B	Unk SPB ATCC 10C B	Unk SPB ATCC 10C B	Unk SPB 10C Tissue B	Unk SPB 10C Tissue B	Unk SPB 81 RT B	Unk SPB 81 RT B
E	Unk LABY ATCC RT A	Unk LABY ATCC RT A	Unk LABY S-1 RT B	Unk LABY S-1 RT B	Pos LABY ATCC DNA	Pos LABY ATCC DNA	Unk SPB ATCC RT A	Unk SPB ATCC RT A	Unk SPB S-1 RT B	Unk SPB S-1 RT B	Pos SPB ATCC DNA	Pos SPB ATCC DNA
F	Unk LABY ATCC RT B	Unk LABY ATCC RT B	Unk LABY S-1 RT A	Unk LABY S-1 RT A	NTC LABY	NTC LABY	Unk SPB ATCC RT B	Unk SPB ATCC RT B	Unk SPB S-1 RT A	Unk SPB S-1 RT A	NTC SPB	NTC SPB
G	Unk LABY RT Tissue A	Unk LABY RT Tissue A	Unk LABY S-1 10C B	Unk LABY S-1 10C B			Unk SPB RT Tissue A	Unk SPB RT Tissue A	Unk SPB S-1 10C B	Unk SPB S-1 10C B		
H	Unk LABY RT Tissue B	Unk LABY RT Tissue B	Unk LABY S-1 10C A	Unk LABY S-1 10C A			Unk SPB RT Tissue B	Unk SPB RT Tissue B	Unk SPB S-1 10C A	Unk SPB S-1 10C A		

Quantification

Step #: 3
Analysis Mode: Target
Cq Determination: Single Threshold
Baseline Method:
SPB: Auto Calculated
LABY: Auto Calculated
Threshold Setting:
SPB: 2896.84, Auto Calculated
LABY: 1625.60, Auto Calculated


Amplification
RFU (10^3)
15
10
5
0
0
10
20
30
40
Cycles

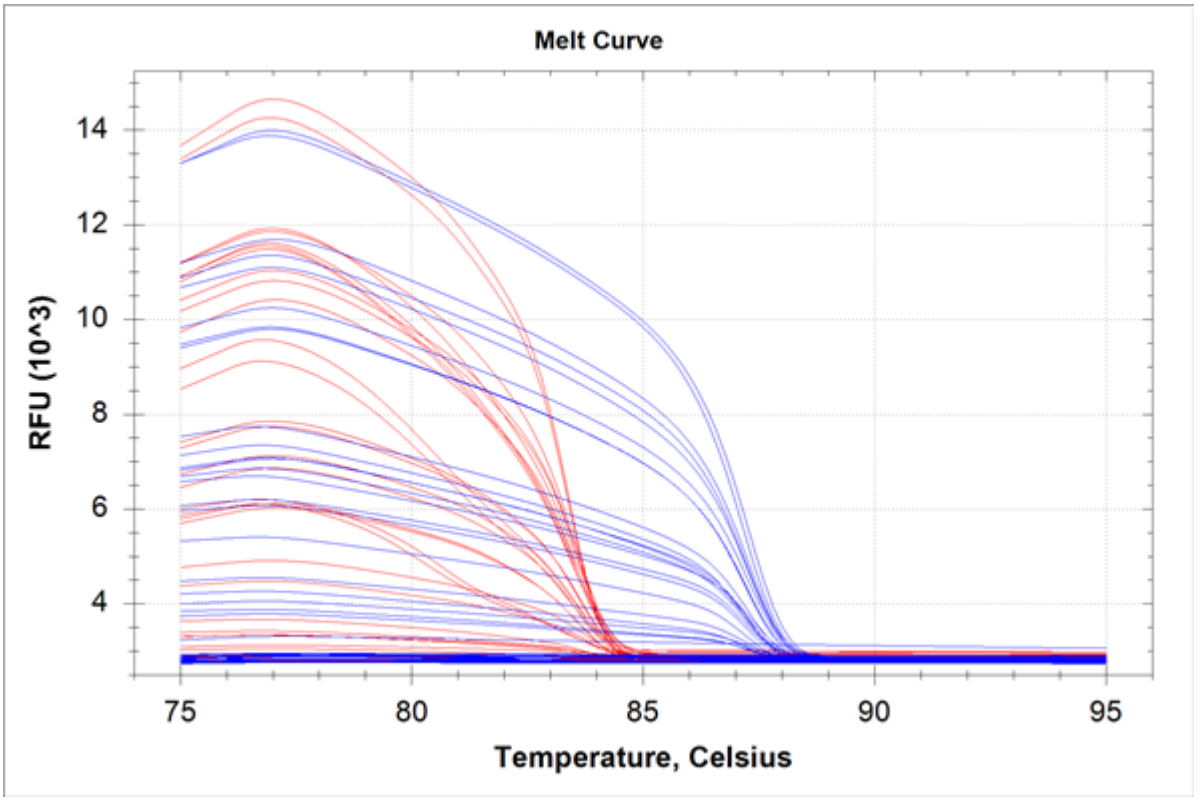
Quantification Data

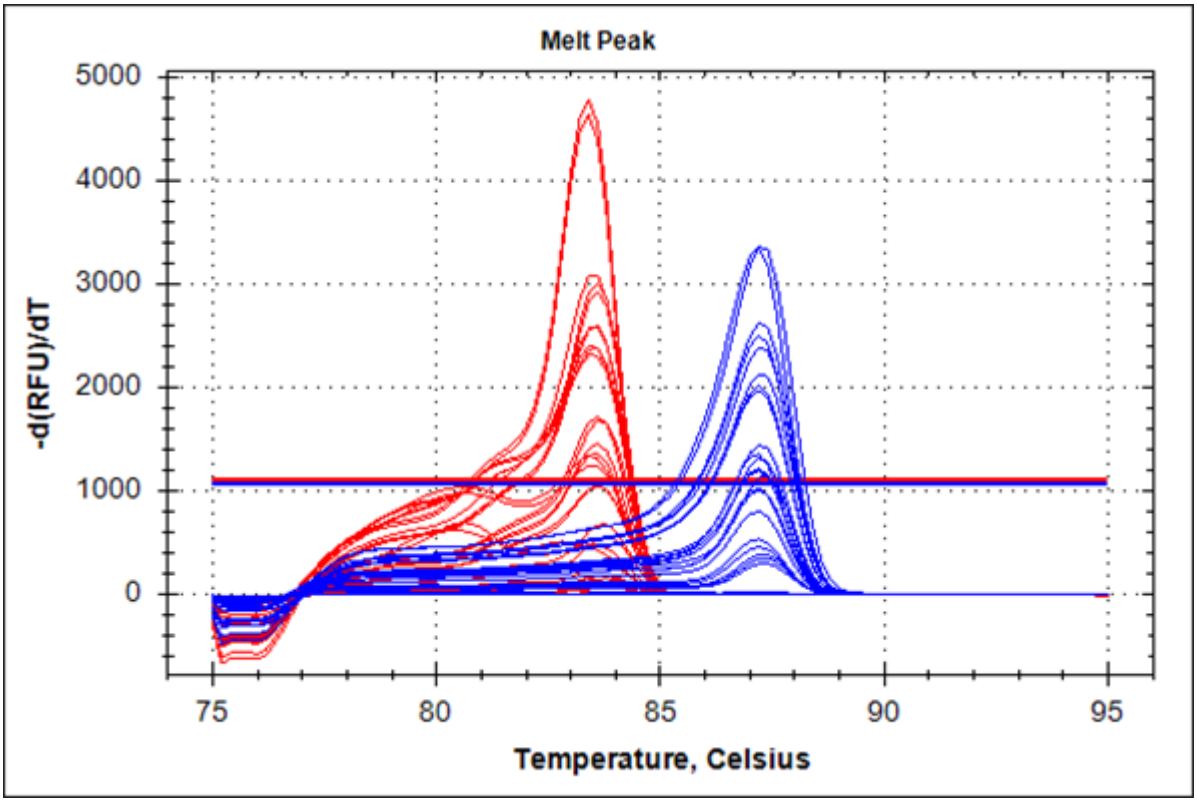
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	LABY	Unkn	RT Control A	26.82	26.82	0.000
A02	SYBR	LABY	Unkn	RT Control A	26.56	26.56	0.000
A03	SYBR	LABY	Unkn	10C Control A	30.99	30.99	0.000
A04	SYBR	LABY	Unkn	10C Control A	31.00	31.00	0.000
A05	SYBR	LABY	Unkn	81 10C A	N/A	0.00	0.000
A06	SYBR	LABY	Unkn	81 10C A	N/A	0.00	0.000
A07	SYBR	SPB	Unkn	RT Control A	38.00	38.00	0.000
A08	SYBR	SPB	Unkn	RT Control A	38.81	38.81	0.000
A09	SYBR	SPB	Unkn	10C Control A	33.41	33.41	0.000
A10	SYBR	SPB	Unkn	10C Control A	33.95	33.95	0.000
A11	SYBR	SPB	Unkn	81 10C A	N/A	0.00	0.000
A12	SYBR	SPB	Unkn	81 10C A	N/A	0.00	0.000
B01	SYBR	LABY	Unkn	RT Control B	24.08	24.08	0.000
B02	SYBR	LABY	Unkn	RT Control B	23.30	23.30	0.000
B03	SYBR	LABY	Unkn	10C Control B	25.34	25.34	0.000
B04	SYBR	LABY	Unkn	10C Control B	26.62	26.62	0.000
B05	SYBR	LABY	Unkn	81 10C B	N/A	0.00	0.000
B06	SYBR	LABY	Unkn	81 10C B	N/A	0.00	0.000
B07	SYBR	SPB	Unkn	RT Control B	34.37	34.37	0.000
B08	SYBR	SPB	Unkn	RT Control B	34.45	34.45	0.000
B09	SYBR	SPB	Unkn	10C Control B	31.12	31.12	0.000
B10	SYBR	SPB	Unkn	10C Control B	31.65	31.65	0.000
B11	SYBR	SPB	Unkn	81 10C B	N/A	0.00	0.000
B12	SYBR	SPB	Unkn	81 10C B	N/A	0.00	0.000
C01	SYBR	LABY	Unkn	ATCC 10C A	N/A	0.00	0.000
C02	SYBR	LABY	Unkn	ATCC 10C A	N/A	0.00	0.000
C03	SYBR	LABY	Unkn	10C Tissue A	N/A	0.00	0.000
C04	SYBR	LABY	Unkn	10C Tissue A	N/A	0.00	0.000
C05	SYBR	LABY	Unkn	81 RT A	N/A	0.00	0.000
C06	SYBR	LABY	Unkn	81 RT A	N/A	0.00	0.000
C07	SYBR	SPB	Unkn	ATCC 10C A	N/A	0.00	0.000
C08	SYBR	SPB	Unkn	ATCC 10C A	N/A	0.00	0.000
C09	SYBR	SPB	Unkn	10C Tissue A	N/A	0.00	0.000
C10	SYBR	SPB	Unkn	10C Tissue A	N/A	0.00	0.000
C11	SYBR	SPB	Unkn	81 RT A	N/A	0.00	0.000
C12	SYBR	SPB	Unkn	81 RT A	N/A	0.00	0.000
D01	SYBR	LABY	Unkn	ATCC 10C B	35.59	35.59	0.000
D02	SYBR	LABY	Unkn	ATCC 10C B	35.67	35.67	0.000
D03	SYBR	LABY	Unkn	10C Tissue B	37.79	37.79	0.000
D04	SYBR	LABY	Unkn	10C Tissue B	38.00	38.00	0.000
D05	SYBR	LABY	Unkn	81 RT B	N/A	0.00	0.000
D06	SYBR	LABY	Unkn	81 RT B	N/A	0.00	0.000
D07	SYBR	SPB	Unkn	ATCC 10C B	39.17	39.17	0.000
D08	SYBR	SPB	Unkn	ATCC 10C B	37.99	37.99	0.000
D09	SYBR	SPB	Unkn	10C Tissue B	37.24	37.24	0.000
D10	SYBR	SPB	Unkn	10C Tissue B	37.90	37.90	0.000
D11	SYBR	SPB	Unkn	81 RT B	N/A	0.00	0.000

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D12	SYBR	SPB	Unkn	81 RT B	38.15	38.15	0.000
E01	SYBR	LABY	Unkn	ATCC RT A	32.70	32.70	0.000
E02	SYBR	LABY	Unkn	ATCC RT A	32.33	32.33	0.000
E03	SYBR	LABY	Unkn	S-1 RT B	N/A	0.00	0.000
E04	SYBR	LABY	Unkn	S-1 RT B	N/A	0.00	0.000
E05	SYBR	LABY	Pos Ctrl	ATCC DNA	19.22	19.22	0.000
E06	SYBR	LABY	Pos Ctrl	ATCC DNA	19.16	19.16	0.000
E07	SYBR	SPB	Unkn	ATCC RT A	N/A	0.00	0.000
E08	SYBR	SPB	Unkn	ATCC RT A	N/A	0.00	0.000
E09	SYBR	SPB	Unkn	S-1 RT B	N/A	0.00	0.000
E10	SYBR	SPB	Unkn	S-1 RT B	N/A	0.00	0.000
E11	SYBR	SPB	Pos Ctrl	ATCC DNA	23.39	23.39	0.000
E12	SYBR	SPB	Pos Ctrl	ATCC DNA	23.24	23.24	0.000
F01	SYBR	LABY	Unkn	ATCC RT B	37.17	37.17	0.000
F02	SYBR	LABY	Unkn	ATCC RT B	37.28	37.28	0.000
F03	SYBR	LABY	Unkn	S-1 RT A	N/A	0.00	0.000
F04	SYBR	LABY	Unkn	S-1 RT A	N/A	0.00	0.000
F05	SYBR	LABY	NTC		N/A	0.00	0.000
F06	SYBR	LABY	NTC		N/A	0.00	0.000
F07	SYBR	SPB	Unkn	ATCC RT B	N/A	0.00	0.000
F08	SYBR	SPB	Unkn	ATCC RT B	N/A	0.00	0.000
F09	SYBR	SPB	Unkn	S-1 RT A	N/A	0.00	0.000
F10	SYBR	SPB	Unkn	S-1 RT A	N/A	0.00	0.000
F11	SYBR	SPB	NTC		N/A	0.00	0.000
F12	SYBR	SPB	NTC		N/A	0.00	0.000
G01	SYBR	LABY	Unkn	RT Tissue A	36.37	36.37	0.000
G02	SYBR	LABY	Unkn	RT Tissue A	36.60	36.60	0.000
G03	SYBR	LABY	Unkn	S-1 10C B	N/A	0.00	0.000
G04	SYBR	LABY	Unkn	S-1 10C B	N/A	0.00	0.000
G07	SYBR	SPB	Unkn	RT Tissue A	38.37	38.37	0.000
G08	SYBR	SPB	Unkn	RT Tissue A	37.41	37.41	0.000
G09	SYBR	SPB	Unkn	S-1 10C B	N/A	0.00	0.000
G10	SYBR	SPB	Unkn	S-1 10C B	39.87	39.87	0.000
H01	SYBR	LABY	Unkn	RT Tissue B	N/A	0.00	0.000
H02	SYBR	LABY	Unkn	RT Tissue B	N/A	0.00	0.000
H03	SYBR	LABY	Unkn	S-1 10C A	N/A	0.00	0.000
H04	SYBR	LABY	Unkn	S-1 10C A	N/A	0.00	0.000
H07	SYBR	SPB	Unkn	RT Tissue B	N/A	0.00	0.000
H08	SYBR	SPB	Unkn	RT Tissue B	N/A	0.00	0.000
H09	SYBR	SPB	Unkn	S-1 10C A	N/A	0.00	0.000
H10	SYBR	SPB	Unkn	S-1 10C A	N/A	0.00	0.000

Melt Curve

Step #: 5


Melt Curve
RFU (10^3)
14
12
10
8
6
4
75
80
85
90
95
Temperature, Celsius



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	LABY	Unkn	RT Control A	83.40
A02	SYBR	LABY	Unkn	RT Control A	83.40
A03	SYBR	LABY	Unkn	10C Control A	83.60
A04	SYBR	LABY	Unkn	10C Control A	83.60
A05	SYBR	LABY	Unkn	81 10C A	None
A06	SYBR	LABY	Unkn	81 10C A	None
A07	SYBR	SPB	Unkn	RT Control A	87.20
A08	SYBR	SPB	Unkn	RT Control A	None
A09	SYBR	SPB	Unkn	10C Control A	87.20
A10	SYBR	SPB	Unkn	10C Control A	87.20
A11	SYBR	SPB	Unkn	81 10C A	None
A12	SYBR	SPB	Unkn	81 10C A	None
B01	SYBR	LABY	Unkn	RT Control B	83.60
B02	SYBR	LABY	Unkn	RT Control B	83.60
B03	SYBR	LABY	Unkn	10C Control B	83.60
B04	SYBR	LABY	Unkn	10C Control B	83.60
B05	SYBR	LABY	Unkn	81 10C B	None
B06	SYBR	LABY	Unkn	81 10C B	None
B07	SYBR	SPB	Unkn	RT Control B	87.20
B08	SYBR	SPB	Unkn	RT Control B	87.20
B09	SYBR	SPB	Unkn	10C Control B	87.20
B10	SYBR	SPB	Unkn	10C Control B	87.20
B11	SYBR	SPB	Unkn	81 10C B	None
B12	SYBR	SPB	Unkn	81 10C B	None
C01	SYBR	LABY	Unkn	ATCC 10C A	None

Well	Fluor	Target	Content	Sample	Melt Temp
C02	SYBR	LABY	Unkn	ATCC 10C A	None
C03	SYBR	LABY	Unkn	10C Tissue A	None
C04	SYBR	LABY	Unkn	10C Tissue A	None
C05	SYBR	LABY	Unkn	81 RT A	None
C06	SYBR	LABY	Unkn	81 RT A	None
C07	SYBR	SPB	Unkn	ATCC 10C A	None
C08	SYBR	SPB	Unkn	ATCC 10C A	None
C09	SYBR	SPB	Unkn	10C Tissue A	None
C10	SYBR	SPB	Unkn	10C Tissue A	None
C11	SYBR	SPB	Unkn	81 RT A	None
C12	SYBR	SPB	Unkn	81 RT A	None
D01	SYBR	LABY	Unkn	ATCC 10C B	83.60
D02	SYBR	LABY	Unkn	ATCC 10C B	83.60
D03	SYBR	LABY	Unkn	10C Tissue B	None
D04	SYBR	LABY	Unkn	10C Tissue B	None
D05	SYBR	LABY	Unkn	81 RT B	None
D06	SYBR	LABY	Unkn	81 RT B	None
D07	SYBR	SPB	Unkn	ATCC 10C B	None
D08	SYBR	SPB	Unkn	ATCC 10C B	87.20
D09	SYBR	SPB	Unkn	10C Tissue B	87.20
D10	SYBR	SPB	Unkn	10C Tissue B	87.20
D11	SYBR	SPB	Unkn	81 RT B	None
D12	SYBR	SPB	Unkn	81 RT B	87.40
E01	SYBR	LABY	Unkn	ATCC RT A	83.40
E02	SYBR	LABY	Unkn	ATCC RT A	83.40
E03	SYBR	LABY	Unkn	S-1 RT B	None
E04	SYBR	LABY	Unkn	S-1 RT B	None
E05	SYBR	LABY	Pos Ctrl	ATCC DNA	83.40
E06	SYBR	LABY	Pos Ctrl	ATCC DNA	83.40
E07	SYBR	SPB	Unkn	ATCC RT A	None
E08	SYBR	SPB	Unkn	ATCC RT A	None
E09	SYBR	SPB	Unkn	S-1 RT B	None
E10	SYBR	SPB	Unkn	S-1 RT B	None
E11	SYBR	SPB	Pos Ctrl	ATCC DNA	87.20
E12	SYBR	SPB	Pos Ctrl	ATCC DNA	87.20
F01	SYBR	LABY	Unkn	ATCC RT B	None
F02	SYBR	LABY	Unkn	ATCC RT B	None
F03	SYBR	LABY	Unkn	S-1 RT A	None
F04	SYBR	LABY	Unkn	S-1 RT A	None
F05	SYBR	LABY	NTC		None
F06	SYBR	LABY	NTC		None
F07	SYBR	SPB	Unkn	ATCC RT B	None
F08	SYBR	SPB	Unkn	ATCC RT B	None
F09	SYBR	SPB	Unkn	S-1 RT A	None
F10	SYBR	SPB	Unkn	S-1 RT A	None
F11	SYBR	SPB	NTC		None
F12	SYBR	SPB	NTC		None
G01	SYBR	LABY	Unkn	RT Tissue A	83.60
G02	SYBR	LABY	Unkn	RT Tissue A	83.60
G03	SYBR	LABY	Unkn	S-1 10C B	None

Well	Fluor	Target	Content	Sample	Melt Temp
G04	SYBR	LABY	Unkn	S-1 10C B	None
G07	SYBR	SPB	Unkn	RT Tissue A	None
G08	SYBR	SPB	Unkn	RT Tissue A	87.20
G09	SYBR	SPB	Unkn	S-1 10C B	None
G10	SYBR	SPB	Unkn	S-1 10C B	None
H01	SYBR	LABY	Unkn	RT Tissue B	None
H02	SYBR	LABY	Unkn	RT Tissue B	None
H03	SYBR	LABY	Unkn	S-1 10C A	None
H04	SYBR	LABY	Unkn	S-1 10C A	None
H07	SYBR	SPB	Unkn	RT Tissue B	None
H08	SYBR	SPB	Unkn	RT Tissue B	None
H09	SYBR	SPB	Unkn	S-1 10C A	None
H10	SYBR	SPB	Unkn	S-1 10C A	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	LABY:A5, A6, B5, B6, C1, C2, C3, C4, C5, C6, D5, D6, E3, E4, F3, F4, G3, G4, H1, H2, H3, H4. SPB:A11, A12, B11, B12, C7, C8, C9, C10, C11, C12, D11, E7, E8, E9, E10, F7, F8, F9, F10, G9, H7, H8, H9, H10.	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	