



Roberts Lab_2011-06-02 16-55-26_CC009827.pcrd

6/2/2011 6:26 PM

Report Information

User: BioRad/Roberts Lab
Data File Name: Roberts Lab_2011-06-02 16-55-26_CC009827.pcrd
Data File Path: C:\Users\Sam\Documents\My Dropbox\Roberts Lab CFX96 Data\Sam
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run User: Roberts Lab
Run Date: 6/2/2011 4:55 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 0:05
- 3: 60.0°C for 0:05
Plate Read
- 4: GOTO 2, 39 more times
- 5: Melt Curve 65.0°C to 85.0°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 18s Gill 1hr C1	Unk 18s Gill 1hr E1	Unk 18s Gill 3hr C1	Unk 18s Gill 3hr E1	Unk 18s Dg/Gon ad 3hr C1	Unk 18s Mantle 3hr C4	Unk EF1a Gill 1hr C1	Unk EF1a Gill 1hr E1	Unk EF1a Gill 3hr C1	Unk EF1a Gill 3hr E1	Unk EF1a Dg/Gon ad 3hr C1	Unk EF1a Mantle 3hr C4
B	Unk 18s Gill 1hr C2	Unk 18s Gill 1hr E2	Unk 18s Gill 3hr C2	Unk 18s Gill 3hr E2	Unk 18s Dg/Gon ad 3hr C2	Unk 18s Mantle 3hr C6	Unk EF1a Gill 1hr C2	Unk EF1a Gill 1hr E2	Unk EF1a Gill 3hr C2	Unk EF1a Gill 3hr E2	Unk EF1a Dg/Gon ad 3hr C2	Unk EF1a Mantle 3hr C6

	1	2	3	4	5	6	7	8	9	10	11	12
C	Unk 18s Gill 1hr C3	Unk 18s Gill 1hr E3	Unk 18s Gill 3hr C3	Unk 18s Gill 3hr E3	Unk 18s Dg/Gon ad 3hr C3	Unk 18s Muscle 3hr C1	Unk EF1a Gill 1hr C3	Unk EF1a Gill 1hr E3	Unk EF1a Gill 3hr C3	Unk EF1a Gill 3hr E3	Unk EF1a Dg/Gon ad 3hr C3	Unk EF1a Muscle 3hr C1
D	Unk 18s Gill 1hr C4	Unk 18s Gill 1hr E4	Unk 18s Gill 3hr C4	Unk 18s Gill 3hr E4	Unk 18s Dg/Gon ad 3hr C4	Unk 18s Muscle 3hr C2	Unk EF1a Gill 1hr C4	Unk EF1a Gill 1hr E4	Unk EF1a Gill 3hr C4	Unk EF1a Gill 3hr E4	Unk EF1a Dg/Gon ad 3hr C4	Unk EF1a Muscle 3hr C2
E	Unk 18s Gill 1hr C5	Unk 18s Gill 1hr E5	Unk 18s Gill 3hr C5	Unk 18s Gill 3hr E5	Unk 18s Dg/Gon ad 3hr C6	Unk 18s Muscle 3hr C3	Unk EF1a Gill 1hr C5	Unk EF1a Gill 1hr E5	Unk EF1a Gill 3hr C5	Unk EF1a Gill 3hr E5	Unk EF1a Dg/Gon ad 3hr C6	Unk EF1a Muscle 3hr C3
F	Unk 18s Gill 1hr C6	Unk 18s Gill 1hr E6	Unk 18s Gill 3hr C6	Unk 18s Gill 3hr E6	Unk 18s Mantle 3hr C1	Unk 18s Muscle 3hr C4	Unk EF1a Gill 1hr C6	Unk EF1a Gill 1hr E6	Unk EF1a Gill 3hr C6	Unk EF1a Gill 3hr E6	Unk EF1a Mantle 3hr C1	Unk EF1a Muscle 3hr C4
G	Unk 18s Gill 1hr C7	Unk 18s Gill 1hr E7	Unk 18s Gill 3hr C7	Unk 18s Gill 3hr E7	Unk 18s Mantle 3hr C2	Unk 18s Muscle 3hr C6	Unk EF1a Gill 1hr C7	Unk EF1a Gill 1hr E7	Unk EF1a Gill 3hr C7	Unk EF1a Gill 3hr E7	Unk EF1a Mantle 3hr C2	Unk EF1a Muscle 3hr C6
H	Unk 18s Gill 1hr C8	Unk 18s Gill 1hr E8	Unk 18s Gill 3hr C8	Unk 18s Gill 3hr E8	Unk 18s Mantle 3hr C3	NTC 18s	Unk EF1a Gill 1hr C8	Unk EF1a Gill 1hr E8	Unk EF1a Gill 3hr C8	Unk EF1a Gill 3hr E8	Unk EF1a Mantle 3hr C3	NTC EF1a

Quantification

Step #: 3

Analysis Mode: Fluorophore

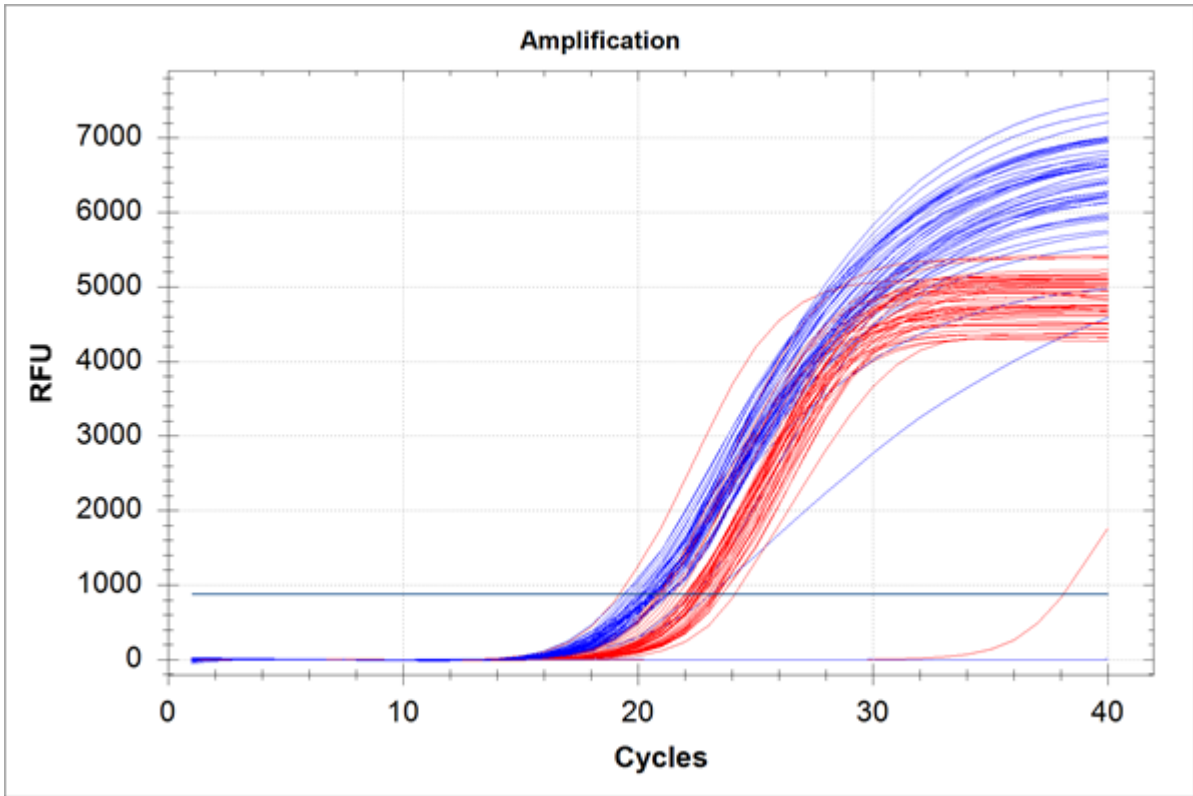
Cq Determination: Single Threshold

Baseline Method:

FAM: Auto Calculated

Threshold Setting:

FAM: 883.59, Auto Calculated



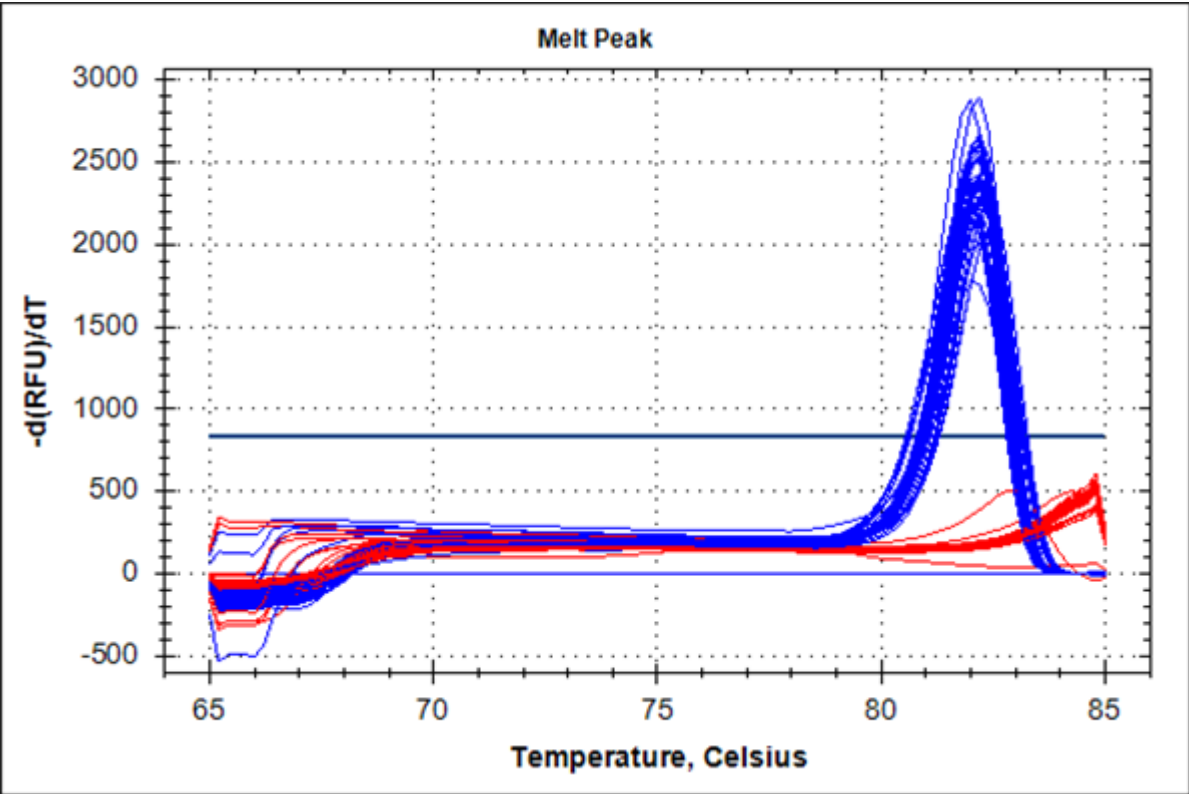
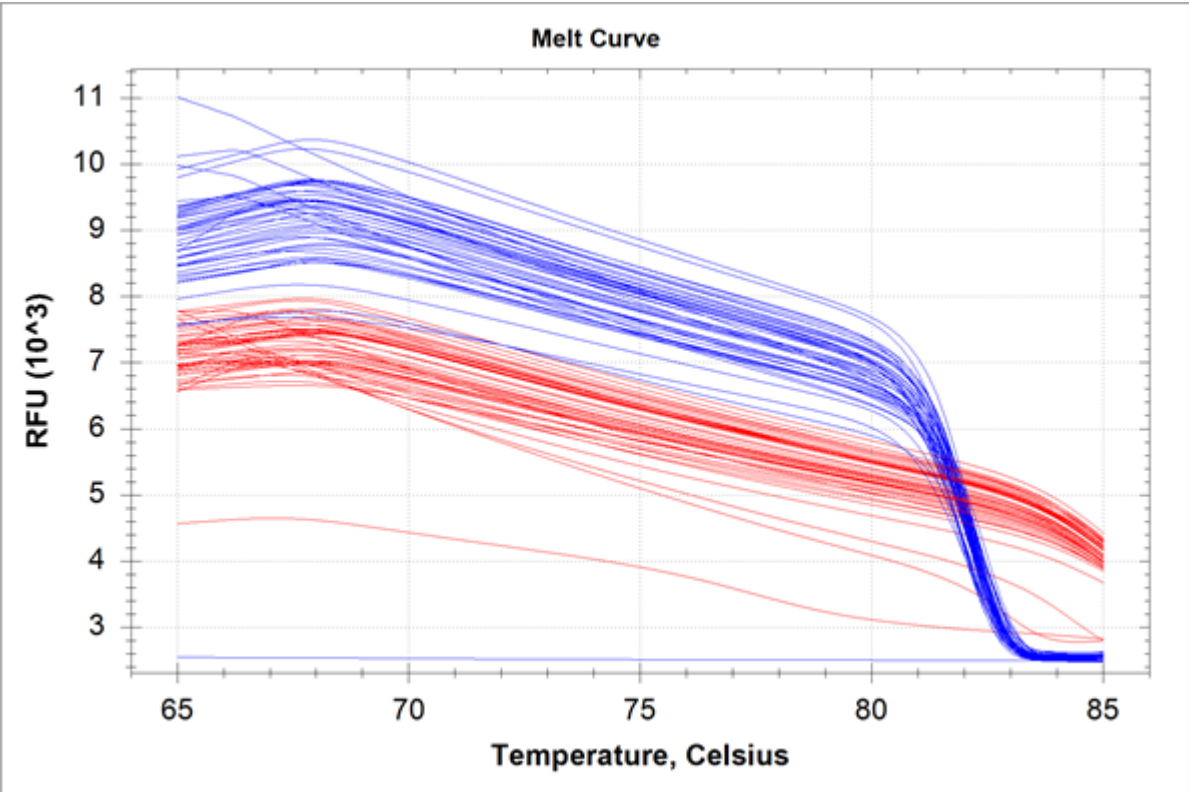
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	FAM	18s	Unkn	Gill 1hr C1	21.98	21.98	0.000
A02	FAM	18s	Unkn	Gill 1hr E1	23.58	23.58	0.000
A03	FAM	18s	Unkn	Gill 3hr C1	22.24	22.24	0.000
A04	FAM	18s	Unkn	Gill 3hr E1	22.41	22.41	0.000
A05	FAM	18s	Unkn	Dg/Gonad 3hr C1	22.73	22.73	0.000
A06	FAM	18s	Unkn	Mantle 3hr C4	22.73	22.73	0.000
A07	FAM	EF1a	Unkn	Gill 1hr C1	20.90	20.90	0.000
A08	FAM	EF1a	Unkn	Gill 1hr E1	23.14	23.14	0.000
A09	FAM	EF1a	Unkn	Gill 3hr C1	20.62	20.62	0.000
A10	FAM	EF1a	Unkn	Gill 3hr E1	20.70	20.70	0.000
A11	FAM	EF1a	Unkn	Dg/Gonad 3hr C1	20.69	20.69	0.000
A12	FAM	EF1a	Unkn	Mantle 3hr C4	20.59	20.59	0.000
B01	FAM	18s	Unkn	Gill 1hr C2	22.07	22.07	0.000
B02	FAM	18s	Unkn	Gill 1hr E2	23.58	23.58	0.000
B03	FAM	18s	Unkn	Gill 3hr C2	22.25	22.25	0.000
B04	FAM	18s	Unkn	Gill 3hr E2	22.04	22.04	0.000
B05	FAM	18s	Unkn	Dg/Gonad 3hr C2	20.76	20.76	0.000
B06	FAM	18s	Unkn	Mantle 3hr C6	23.33	23.33	0.000
B07	FAM	EF1a	Unkn	Gill 1hr C2	22.31	22.31	0.000
B08	FAM	EF1a	Unkn	Gill 1hr E2	21.38	21.38	0.000
B09	FAM	EF1a	Unkn	Gill 3hr C2	20.79	20.79	0.000
B10	FAM	EF1a	Unkn	Gill 3hr E2	21.23	21.23	0.000
B11	FAM	EF1a	Unkn	Dg/Gonad 3hr C2	21.29	21.29	0.000
B12	FAM	EF1a	Unkn	Mantle 3hr C6	20.21	20.21	0.000
C01	FAM	18s	Unkn	Gill 1hr C3	23.05	23.05	0.000
C02	FAM	18s	Unkn	Gill 1hr E3	22.55	22.55	0.000
C03	FAM	18s	Unkn	Gill 3hr C3	22.67	22.67	0.000
C04	FAM	18s	Unkn	Gill 3hr E3	22.97	22.97	0.000
C05	FAM	18s	Unkn	Dg/Gonad 3hr C3	19.21	19.21	0.000
C06	FAM	18s	Unkn	Muscle 3hr C1	21.33	21.33	0.000
C07	FAM	EF1a	Unkn	Gill 1hr C3	20.64	20.64	0.000
C08	FAM	EF1a	Unkn	Gill 1hr E3	20.29	20.29	0.000
C09	FAM	EF1a	Unkn	Gill 3hr C3	21.19	21.19	0.000
C10	FAM	EF1a	Unkn	Gill 3hr E3	20.67	20.67	0.000
C11	FAM	EF1a	Unkn	Dg/Gonad 3hr C3	20.09	20.09	0.000
C12	FAM	EF1a	Unkn	Muscle 3hr C1	20.70	20.70	0.000
D01	FAM	18s	Unkn	Gill 1hr C4	22.36	22.36	0.000
D02	FAM	18s	Unkn	Gill 1hr E4	23.27	23.27	0.000
D03	FAM	18s	Unkn	Gill 3hr C4	23.38	23.38	0.000
D04	FAM	18s	Unkn	Gill 3hr E4	22.43	22.43	0.000
D05	FAM	18s	Unkn	Dg/Gonad 3hr C4	22.18	22.18	0.000
D06	FAM	18s	Unkn	Muscle 3hr C2	20.85	20.85	0.000
D07	FAM	EF1a	Unkn	Gill 1hr C4	20.46	20.46	0.000
D08	FAM	EF1a	Unkn	Gill 1hr E4	21.27	21.27	0.000
D09	FAM	EF1a	Unkn	Gill 3hr C4	20.69	20.69	0.000
D10	FAM	EF1a	Unkn	Gill 3hr E4	20.09	20.09	0.000
D11	FAM	EF1a	Unkn	Dg/Gonad 3hr C4	21.04	21.04	0.000

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D12	FAM	EF1a	Unkn	Muscle 3hr C2	20.58	20.58	0.000
E01	FAM	18s	Unkn	Gill 1hr C5	23.41	23.41	0.000
E02	FAM	18s	Unkn	Gill 1hr E5	22.61	22.61	0.000
E03	FAM	18s	Unkn	Gill 3hr C5	22.26	22.26	0.000
E04	FAM	18s	Unkn	Gill 3hr E5	21.50	21.50	0.000
E05	FAM	18s	Unkn	Dg/Gonad 3hr C6	22.46	22.46	0.000
E06	FAM	18s	Unkn	Muscle 3hr C3	21.00	21.00	0.000
E07	FAM	EF1a	Unkn	Gill 1hr C5	20.52	20.52	0.000
E08	FAM	EF1a	Unkn	Gill 1hr E5	20.68	20.68	0.000
E09	FAM	EF1a	Unkn	Gill 3hr C5	20.09	20.09	0.000
E10	FAM	EF1a	Unkn	Gill 3hr E5	20.78	20.78	0.000
E11	FAM	EF1a	Unkn	Dg/Gonad 3hr C6	20.44	20.44	0.000
E12	FAM	EF1a	Unkn	Muscle 3hr C3	20.67	20.67	0.000
F01	FAM	18s	Unkn	Gill 1hr C6	22.68	22.68	0.000
F02	FAM	18s	Unkn	Gill 1hr E6	22.63	22.63	0.000
F03	FAM	18s	Unkn	Gill 3hr C6	23.16	23.16	0.000
F04	FAM	18s	Unkn	Gill 3hr E6	22.48	22.48	0.000
F05	FAM	18s	Unkn	Mantle 3hr C1	22.14	22.14	0.000
F06	FAM	18s	Unkn	Muscle 3hr C4	20.92	20.92	0.000
F07	FAM	EF1a	Unkn	Gill 1hr C6	20.37	20.37	0.000
F08	FAM	EF1a	Unkn	Gill 1hr E6	20.84	20.84	0.000
F09	FAM	EF1a	Unkn	Gill 3hr C6	19.86	19.86	0.000
F10	FAM	EF1a	Unkn	Gill 3hr E6	20.11	20.11	0.000
F11	FAM	EF1a	Unkn	Mantle 3hr C1	20.23	20.23	0.000
F12	FAM	EF1a	Unkn	Muscle 3hr C4	19.42	19.42	0.000
G01	FAM	18s	Unkn	Gill 1hr C7	23.23	23.23	0.000
G02	FAM	18s	Unkn	Gill 1hr E7	23.30	23.30	0.000
G03	FAM	18s	Unkn	Gill 3hr C7	22.59	22.59	0.000
G04	FAM	18s	Unkn	Gill 3hr E7	23.17	23.17	0.000
G05	FAM	18s	Unkn	Mantle 3hr C2	22.83	22.83	0.000
G06	FAM	18s	Unkn	Muscle 3hr C6	21.73	21.73	0.000
G07	FAM	EF1a	Unkn	Gill 1hr C7	19.98	19.98	0.000
G08	FAM	EF1a	Unkn	Gill 1hr E7	20.58	20.58	0.000
G09	FAM	EF1a	Unkn	Gill 3hr C7	20.16	20.16	0.000
G10	FAM	EF1a	Unkn	Gill 3hr E7	20.69	20.69	0.000
G11	FAM	EF1a	Unkn	Mantle 3hr C2	19.61	19.61	0.000
G12	FAM	EF1a	Unkn	Muscle 3hr C6	19.73	19.73	0.000
H01	FAM	18s	Unkn	Gill 1hr C8	24.12	24.12	0.000
H02	FAM	18s	Unkn	Gill 1hr E8	22.41	22.41	0.000
H03	FAM	18s	Unkn	Gill 3hr C8	22.24	22.24	0.000
H04	FAM	18s	Unkn	Gill 3hr E8	22.56	22.56	0.000
H05	FAM	18s	Unkn	Mantle 3hr C3	21.11	21.11	0.000
H06	FAM	18s	NTC		38.11	38.11	0.000
H07	FAM	EF1a	Unkn	Gill 1hr C8	20.69	20.69	0.000
H08	FAM	EF1a	Unkn	Gill 1hr E8	19.46	19.46	0.000
H09	FAM	EF1a	Unkn	Gill 3hr C8	21.04	21.04	0.000
H10	FAM	EF1a	Unkn	Gill 3hr E8	20.27	20.27	0.000
H11	FAM	EF1a	Unkn	Mantle 3hr C3	19.97	19.97	0.000
H12	FAM	EF1a	NTC		N/A	0.00	0.000

Melt Curve

Step #: 5



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	FAM	18s	Unkn	Gill 1hr C1	None
A02	FAM	18s	Unkn	Gill 1hr E1	None
A03	FAM	18s	Unkn	Gill 3hr C1	None
A04	FAM	18s	Unkn	Gill 3hr E1	None
A05	FAM	18s	Unkn	Dg/Gonad 3hr C1	None
A06	FAM	18s	Unkn	Mantle 3hr C4	None
A07	FAM	EF1a	Unkn	Gill 1hr C1	82.20
A08	FAM	EF1a	Unkn	Gill 1hr E1	82.20
A09	FAM	EF1a	Unkn	Gill 3hr C1	82.00
A10	FAM	EF1a	Unkn	Gill 3hr E1	82.20
A11	FAM	EF1a	Unkn	Dg/Gonad 3hr C1	82.00
A12	FAM	EF1a	Unkn	Mantle 3hr C4	82.00
B01	FAM	18s	Unkn	Gill 1hr C2	None
B02	FAM	18s	Unkn	Gill 1hr E2	None
B03	FAM	18s	Unkn	Gill 3hr C2	None
B04	FAM	18s	Unkn	Gill 3hr E2	None
B05	FAM	18s	Unkn	Dg/Gonad 3hr C2	None
B06	FAM	18s	Unkn	Mantle 3hr C6	None
B07	FAM	EF1a	Unkn	Gill 1hr C2	82.20
B08	FAM	EF1a	Unkn	Gill 1hr E2	82.40
B09	FAM	EF1a	Unkn	Gill 3hr C2	82.20
B10	FAM	EF1a	Unkn	Gill 3hr E2	82.20
B11	FAM	EF1a	Unkn	Dg/Gonad 3hr C2	82.20
B12	FAM	EF1a	Unkn	Mantle 3hr C6	82.20
C01	FAM	18s	Unkn	Gill 1hr C3	None
C02	FAM	18s	Unkn	Gill 1hr E3	None
C03	FAM	18s	Unkn	Gill 3hr C3	None
C04	FAM	18s	Unkn	Gill 3hr E3	None
C05	FAM	18s	Unkn	Dg/Gonad 3hr C3	None
C06	FAM	18s	Unkn	Muscle 3hr C1	None
C07	FAM	EF1a	Unkn	Gill 1hr C3	82.20
C08	FAM	EF1a	Unkn	Gill 1hr E3	82.20
C09	FAM	EF1a	Unkn	Gill 3hr C3	82.20
C10	FAM	EF1a	Unkn	Gill 3hr E3	82.20
C11	FAM	EF1a	Unkn	Dg/Gonad 3hr C3	82.20
C12	FAM	EF1a	Unkn	Muscle 3hr C1	82.00
D01	FAM	18s	Unkn	Gill 1hr C4	None
D02	FAM	18s	Unkn	Gill 1hr E4	None
D03	FAM	18s	Unkn	Gill 3hr C4	None
D04	FAM	18s	Unkn	Gill 3hr E4	None
D05	FAM	18s	Unkn	Dg/Gonad 3hr C4	None
D06	FAM	18s	Unkn	Muscle 3hr C2	None
D07	FAM	EF1a	Unkn	Gill 1hr C4	82.40
D08	FAM	EF1a	Unkn	Gill 1hr E4	82.40
D09	FAM	EF1a	Unkn	Gill 3hr C4	82.00
D10	FAM	EF1a	Unkn	Gill 3hr E4	82.20
D11	FAM	EF1a	Unkn	Dg/Gonad 3hr C4	82.00
D12	FAM	EF1a	Unkn	Muscle 3hr C2	82.40

Well	Fluor	Target	Content	Sample	Melt Temp
E01	FAM	18s	Unkn	Gill 1hr C5	None
E02	FAM	18s	Unkn	Gill 1hr E5	None
E03	FAM	18s	Unkn	Gill 3hr C5	None
E04	FAM	18s	Unkn	Gill 3hr E5	None
E05	FAM	18s	Unkn	Dg/Gonad 3hr C6	None
E06	FAM	18s	Unkn	Muscle 3hr C3	None
E07	FAM	EF1a	Unkn	Gill 1hr C5	82.20
E08	FAM	EF1a	Unkn	Gill 1hr E5	82.00
E09	FAM	EF1a	Unkn	Gill 3hr C5	82.20
E10	FAM	EF1a	Unkn	Gill 3hr E5	82.20
E11	FAM	EF1a	Unkn	Dg/Gonad 3hr C6	82.20
E12	FAM	EF1a	Unkn	Muscle 3hr C3	82.40
F01	FAM	18s	Unkn	Gill 1hr C6	None
F02	FAM	18s	Unkn	Gill 1hr E6	None
F03	FAM	18s	Unkn	Gill 3hr C6	None
F04	FAM	18s	Unkn	Gill 3hr E6	None
F05	FAM	18s	Unkn	Mantle 3hr C1	None
F06	FAM	18s	Unkn	Muscle 3hr C4	None
F07	FAM	EF1a	Unkn	Gill 1hr C6	82.20
F08	FAM	EF1a	Unkn	Gill 1hr E6	82.40
F09	FAM	EF1a	Unkn	Gill 3hr C6	82.40
F10	FAM	EF1a	Unkn	Gill 3hr E6	82.20
F11	FAM	EF1a	Unkn	Mantle 3hr C1	82.00
F12	FAM	EF1a	Unkn	Muscle 3hr C4	82.00
G01	FAM	18s	Unkn	Gill 1hr C7	None
G02	FAM	18s	Unkn	Gill 1hr E7	None
G03	FAM	18s	Unkn	Gill 3hr C7	None
G04	FAM	18s	Unkn	Gill 3hr E7	None
G05	FAM	18s	Unkn	Mantle 3hr C2	None
G06	FAM	18s	Unkn	Muscle 3hr C6	None
G07	FAM	EF1a	Unkn	Gill 1hr C7	82.20
G08	FAM	EF1a	Unkn	Gill 1hr E7	81.80
G09	FAM	EF1a	Unkn	Gill 3hr C7	82.20
G10	FAM	EF1a	Unkn	Gill 3hr E7	82.00
G11	FAM	EF1a	Unkn	Mantle 3hr C2	82.20
G12	FAM	EF1a	Unkn	Muscle 3hr C6	82.20
H01	FAM	18s	Unkn	Gill 1hr C8	None
H02	FAM	18s	Unkn	Gill 1hr E8	None
H03	FAM	18s	Unkn	Gill 3hr C8	None
H04	FAM	18s	Unkn	Gill 3hr E8	None
H05	FAM	18s	Unkn	Mantle 3hr C3	None
H06	FAM	18s	NTC		None
H07	FAM	EF1a	Unkn	Gill 1hr C8	82.20
H08	FAM	EF1a	Unkn	Gill 1hr E8	82.20
H09	FAM	EF1a	Unkn	Gill 3hr C8	82.20
H10	FAM	EF1a	Unkn	Gill 3hr E8	82.20
H11	FAM	EF1a	Unkn	Mantle 3hr C3	82.20
H12	FAM	EF1a	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		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	