



Roberts Lab_2011-06-01 17-33-56_CC009827.pcrd

6/2/2011 4:57 PM

Report Information

User: BioRad/Roberts Lab
Data File Name: Roberts Lab_2011-06-01 17-33-56_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: 6/1/2011 5:34 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-1 COX2 Gill 1hr C1	Unk-9 COX2 Gill 1hr E1	Unk-17 COX2 Gill 3hr C1	Unk-25 COX2 Gill 3hr E1	Unk-33 COX2 Dg/Gon ad 3hr C1	Unk-41 COX2 Mantle 3hr C4	Unk-1 COX2 Gill 1hr C1	Unk-9 COX2 Gill 1hr E1	Unk-17 COX2 Gill 3hr C1	Unk-25 COX2 Gill 3hr E1	Unk-33 COX2 Dg/Gon ad 3hr C1	Unk-41 COX2 Mantle 3hr C4
B	Unk-2 COX2 Gill 1hr C2	Unk-10 COX2 Gill 1hr E2	Unk-18 COX2 Gill 3hr C2	Unk-26 COX2 Gill 3hr E2	Unk-34 COX2 Dg/Gon ad 3hr C2	Unk-42 COX2 Mantle 3hr C6	Unk-2 COX2 Gill 1hr C2	Unk-10 COX2 Gill 1hr E2	Unk-18 COX2 Gill 3hr C2	Unk-26 COX2 Gill 3hr E2	Unk-34 COX2 Dg/Gon ad 3hr C2	Unk-42 COX2 Mantle 3hr C6

	1	2	3	4	5	6	7	8	9	10	11	12
C	Unk-3 COX2 Gill 1hr C3	Unk-11 COX2 Gill 1hr E3	Unk-19 COX2 Gill 3hr C3	Unk-27 COX2 Gill 3hr E3	Unk-35 COX2 Dg/Gon ad 3hr C3	Unk-43 COX2 Muscle 3hr C1	Unk-3 COX2 Gill 1hr C3	Unk-11 COX2 Gill 1hr E3	Unk-19 COX2 Gill 3hr C3	Unk-27 COX2 Gill 3hr E3	Unk-35 COX2 Dg/Gon ad 3hr C3	Unk-43 COX2 Muscle 3hr C1
D	Unk-4 COX2 Gill 1hr C4	Unk-12 COX2 Gill 1hr E4	Unk-20 COX2 Gill 3hr C4	Unk-28 COX2 Gill 3hr E4	Unk-36 COX2 Dg/Gon ad 3hr C4	Unk-44 COX2 Muscle 3hr C2	Unk-4 COX2 Gill 1hr C4	Unk-12 COX2 Gill 1hr E4	Unk-20 COX2 Gill 3hr C4	Unk-28 COX2 Gill 3hr E4	Unk-36 COX2 Dg/Gon ad 3hr C4	Unk-44 COX2 Muscle 3hr C2
E	Unk-5 COX2 Gill 1hr C5	Unk-13 COX2 Gill 1hr E5	Unk-21 COX2 Gill 3hr C5	Unk-29 COX2 Gill 3hr E5	Unk-37 COX2 Dg/Gon ad 3hr C6	Unk-45 COX2 Muscle 3hr C3	Unk-5 COX2 Gill 1hr C5	Unk-13 COX2 Gill 1hr E5	Unk-21 COX2 Gill 3hr C5	Unk-29 COX2 Gill 3hr E5	Unk-37 COX2 Dg/Gon ad 3hr C6	Unk-45 COX2 Muscle 3hr C3
F	Unk-6 COX2 Gill 1hr C6	Unk-14 COX2 Gill 1hr E6	Unk-22 COX2 Gill 3hr C6	Unk-30 COX2 Gill 3hr E6	Unk-38 COX2 Mantle 3hr C1	Unk-46 COX2 Muscle 3hr C4	Unk-6 COX2 Gill 1hr C6	Unk-14 COX2 Gill 1hr E6	Unk-22 COX2 Gill 3hr C6	Unk-30 COX2 Gill 3hr E6	Unk-38 COX2 Mantle 3hr C1	Unk-46 COX2 Muscle 3hr C4
G	Unk-7 COX2 Gill 1hr C7	Unk-15 COX2 Gill 1hr E7	Unk-23 COX2 Gill 3hr C7	Unk-31 COX2 Gill 3hr E7	Unk-39 COX2 Mantle 3hr C2	Unk-47 COX2 Muscle 3hr C6	Unk-7 COX2 Gill 1hr C7	Unk-15 COX2 Gill 1hr E7	Unk-23 COX2 Gill 3hr C7	Unk-31 COX2 Gill 3hr E7	Unk-39 COX2 Mantle 3hr C2	Unk-47 COX2 Muscle 3hr C6
H	Unk-8 COX2 Gill 1hr C8	Unk-16 COX2 Gill 1hr E8	Unk-24 COX2 Gill 3hr C8	Unk-32 COX2 Gill 3hr E8	Unk-40 COX2 Mantle 3hr C3	NTC COX2	Unk-8 COX2 Gill 1hr C8	Unk-16 COX2 Gill 1hr E8	Unk-24 COX2 Gill 3hr C8	Unk-32 COX2 Gill 3hr E8	Unk-40 COX2 Mantle 3hr C3	NTC COX2

Quantification

Step #: 3

Analysis Mode: Fluorophore

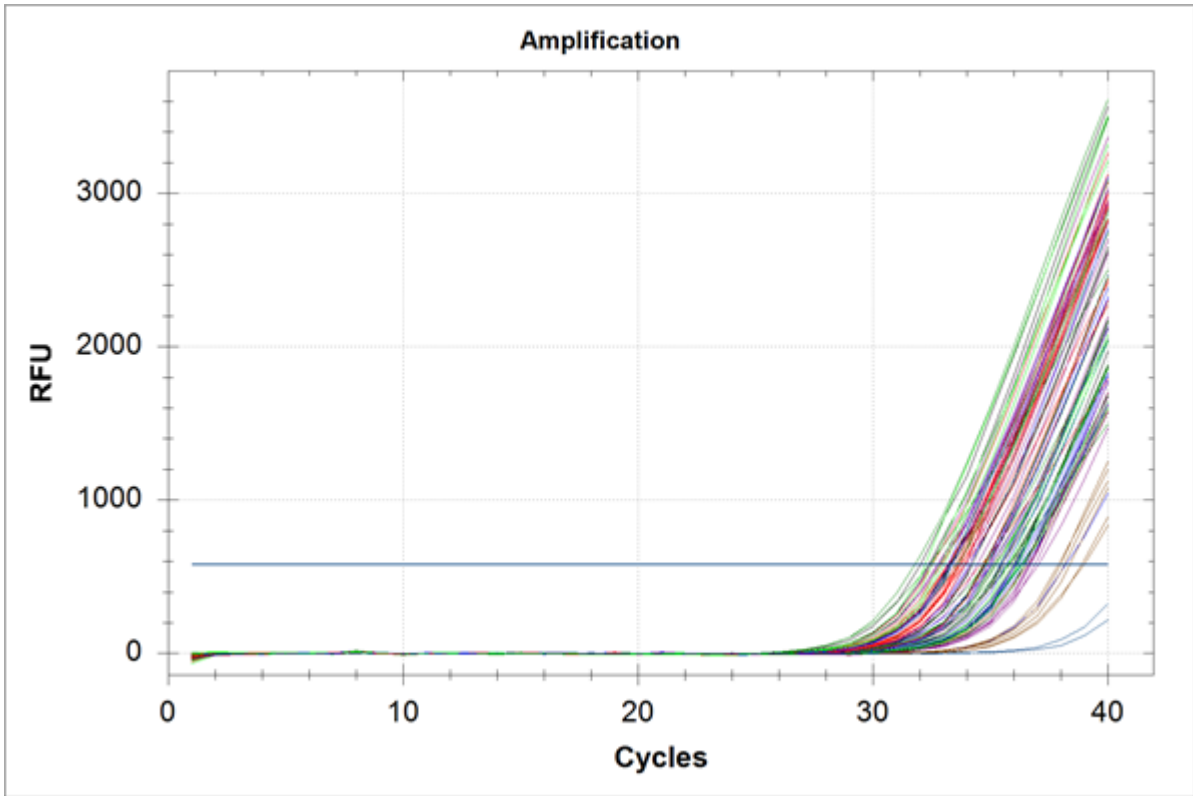
Cq Determination: Single Threshold

Baseline Method:

FAM: Auto Calculated

Threshold Setting:

FAM: 582.36, Auto Calculated



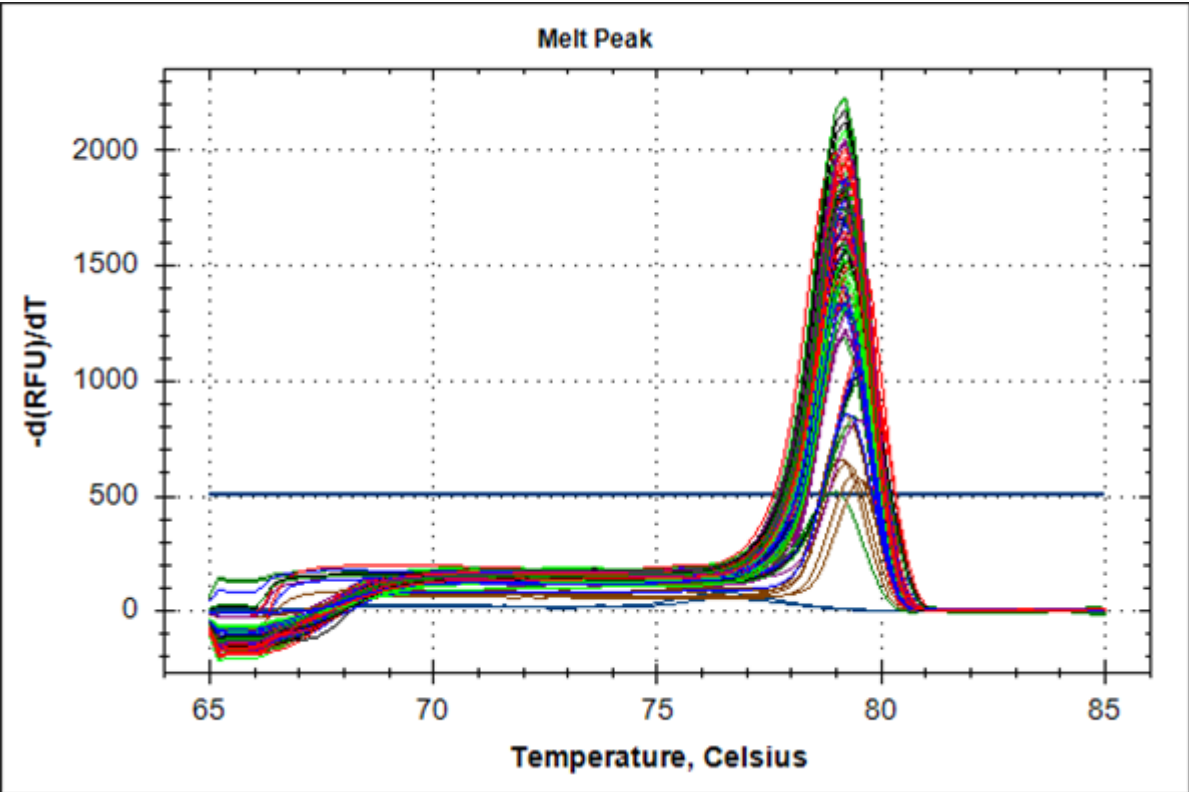
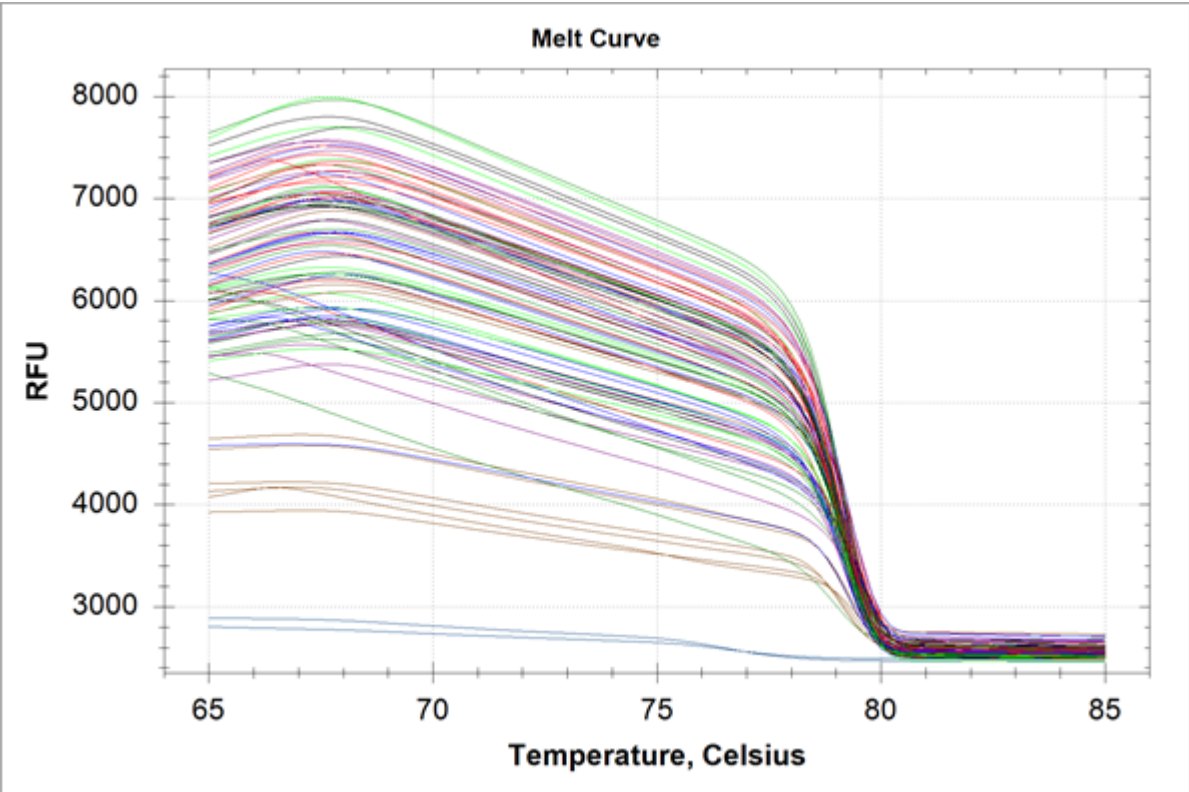
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	FAM	COX2	Unkn-01	Gill 1hr C1	33.73	33.45	0.385
A02	FAM	COX2	Unkn-09	Gill 1hr E1	36.47	37.34	1.227
A03	FAM	COX2	Unkn-17	Gill 3hr C1	33.36	33.45	0.136
A04	FAM	COX2	Unkn-25	Gill 3hr E1	32.88	32.66	0.311
A05	FAM	COX2	Unkn-33	Dg/Gonad 3hr C1	33.34	33.30	0.063
A06	FAM	COX2	Unkn-41	Mantle 3hr C4	36.29	36.33	0.056
A07	FAM	COX2	Unkn-01	Gill 1hr C1	33.18	33.45	0.385
A08	FAM	COX2	Unkn-09	Gill 1hr E1	38.21	37.34	1.227
A09	FAM	COX2	Unkn-17	Gill 3hr C1	33.55	33.45	0.136
A10	FAM	COX2	Unkn-25	Gill 3hr E1	32.44	32.66	0.311
A11	FAM	COX2	Unkn-33	Dg/Gonad 3hr C1	33.25	33.30	0.063
A12	FAM	COX2	Unkn-41	Mantle 3hr C4	36.37	36.33	0.056
B01	FAM	COX2	Unkn-02	Gill 1hr C2	32.53	32.72	0.269
B02	FAM	COX2	Unkn-10	Gill 1hr E2	36.19	36.12	0.095
B03	FAM	COX2	Unkn-18	Gill 3hr C2	35.77	36.05	0.396
B04	FAM	COX2	Unkn-26	Gill 3hr E2	32.76	32.77	0.024
B05	FAM	COX2	Unkn-34	Dg/Gonad 3hr C2	35.83	35.66	0.234
B06	FAM	COX2	Unkn-42	Mantle 3hr C6	35.16	35.21	0.064
B07	FAM	COX2	Unkn-02	Gill 1hr C2	32.91	32.72	0.269
B08	FAM	COX2	Unkn-10	Gill 1hr E2	36.05	36.12	0.095
B09	FAM	COX2	Unkn-18	Gill 3hr C2	36.33	36.05	0.396
B10	FAM	COX2	Unkn-26	Gill 3hr E2	32.79	32.77	0.024
B11	FAM	COX2	Unkn-34	Dg/Gonad 3hr C2	35.49	35.66	0.234
B12	FAM	COX2	Unkn-42	Mantle 3hr C6	35.26	35.21	0.064
C01	FAM	COX2	Unkn-03	Gill 1hr C3	34.61	34.20	0.586
C02	FAM	COX2	Unkn-11	Gill 1hr E3	34.11	34.46	0.488
C03	FAM	COX2	Unkn-19	Gill 3hr C3	31.79	32.10	0.435
C04	FAM	COX2	Unkn-27	Gill 3hr E3	35.21	34.83	0.539
C05	FAM	COX2	Unkn-35	Dg/Gonad 3hr C3	32.39	32.21	0.252
C06	FAM	COX2	Unkn-43	Muscle 3hr C1	36.57	36.51	0.085
C07	FAM	COX2	Unkn-03	Gill 1hr C3	33.78	34.20	0.586
C08	FAM	COX2	Unkn-11	Gill 1hr E3	34.80	34.46	0.488
C09	FAM	COX2	Unkn-19	Gill 3hr C3	32.40	32.10	0.435
C10	FAM	COX2	Unkn-27	Gill 3hr E3	34.45	34.83	0.539
C11	FAM	COX2	Unkn-35	Dg/Gonad 3hr C3	32.03	32.21	0.252
C12	FAM	COX2	Unkn-43	Muscle 3hr C1	36.45	36.51	0.085
D01	FAM	COX2	Unkn-04	Gill 1hr C4	33.21	33.22	0.009
D02	FAM	COX2	Unkn-12	Gill 1hr E4	34.76	34.91	0.219
D03	FAM	COX2	Unkn-20	Gill 3hr C4	34.69	34.76	0.089
D04	FAM	COX2	Unkn-28	Gill 3hr E4	33.36	33.32	0.054
D05	FAM	COX2	Unkn-36	Dg/Gonad 3hr C4	35.51	35.77	0.364
D06	FAM	COX2	Unkn-44	Muscle 3hr C2	38.99	38.94	0.080
D07	FAM	COX2	Unkn-04	Gill 1hr C4	33.22	33.22	0.009
D08	FAM	COX2	Unkn-12	Gill 1hr E4	35.07	34.91	0.219
D09	FAM	COX2	Unkn-20	Gill 3hr C4	34.82	34.76	0.089
D10	FAM	COX2	Unkn-28	Gill 3hr E4	33.29	33.32	0.054
D11	FAM	COX2	Unkn-36	Dg/Gonad 3hr C4	36.03	35.77	0.364

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D12	FAM	COX2	Unkn-44	Muscle 3hr C2	38.88	38.94	0.080
E01	FAM	COX2	Unkn-05	Gill 1hr C5	33.61	33.56	0.082
E02	FAM	COX2	Unkn-13	Gill 1hr E5	35.42	35.54	0.162
E03	FAM	COX2	Unkn-21	Gill 3hr C5	35.96	35.68	0.396
E04	FAM	COX2	Unkn-29	Gill 3hr E5	36.62	36.64	0.032
E05	FAM	COX2	Unkn-37	Dg/Gonad 3hr C6	34.21	34.22	0.006
E06	FAM	COX2	Unkn-45	Muscle 3hr C3	34.73	34.90	0.249
E07	FAM	COX2	Unkn-05	Gill 1hr C5	33.50	33.56	0.082
E08	FAM	COX2	Unkn-13	Gill 1hr E5	35.65	35.54	0.162
E09	FAM	COX2	Unkn-21	Gill 3hr C5	35.40	35.68	0.396
E10	FAM	COX2	Unkn-29	Gill 3hr E5	36.67	36.64	0.032
E11	FAM	COX2	Unkn-37	Dg/Gonad 3hr C6	34.22	34.22	0.006
E12	FAM	COX2	Unkn-45	Muscle 3hr C3	35.08	34.90	0.249
F01	FAM	COX2	Unkn-06	Gill 1hr C6	33.90	33.80	0.141
F02	FAM	COX2	Unkn-14	Gill 1hr E6	36.31	36.19	0.171
F03	FAM	COX2	Unkn-22	Gill 3hr C6	35.68	35.23	0.633
F04	FAM	COX2	Unkn-30	Gill 3hr E6	37.05	36.75	0.420
F05	FAM	COX2	Unkn-38	Mantle 3hr C1	32.87	32.95	0.111
F06	FAM	COX2	Unkn-46	Muscle 3hr C4	37.90	37.95	0.074
F07	FAM	COX2	Unkn-06	Gill 1hr C6	33.70	33.80	0.141
F08	FAM	COX2	Unkn-14	Gill 1hr E6	36.07	36.19	0.171
F09	FAM	COX2	Unkn-22	Gill 3hr C6	34.79	35.23	0.633
F10	FAM	COX2	Unkn-30	Gill 3hr E6	36.45	36.75	0.420
F11	FAM	COX2	Unkn-38	Mantle 3hr C1	33.02	32.95	0.111
F12	FAM	COX2	Unkn-46	Muscle 3hr C4	38.00	37.95	0.074
G01	FAM	COX2	Unkn-07	Gill 1hr C7	34.93	34.84	0.126
G02	FAM	COX2	Unkn-15	Gill 1hr E7	34.91	34.97	0.086
G03	FAM	COX2	Unkn-23	Gill 3hr C7	33.64	33.48	0.221
G04	FAM	COX2	Unkn-31	Gill 3hr E7	36.89	36.81	0.120
G05	FAM	COX2	Unkn-39	Mantle 3hr C2	36.16	35.96	0.280
G06	FAM	COX2	Unkn-47	Muscle 3hr C6	38.37	38.26	0.157
G07	FAM	COX2	Unkn-07	Gill 1hr C7	34.75	34.84	0.126
G08	FAM	COX2	Unkn-15	Gill 1hr E7	35.03	34.97	0.086
G09	FAM	COX2	Unkn-23	Gill 3hr C7	33.33	33.48	0.221
G10	FAM	COX2	Unkn-31	Gill 3hr E7	36.72	36.81	0.120
G11	FAM	COX2	Unkn-39	Mantle 3hr C2	35.76	35.96	0.280
G12	FAM	COX2	Unkn-47	Muscle 3hr C6	38.15	38.26	0.157
H01	FAM	COX2	Unkn-08	Gill 1hr C8	33.92	33.77	0.215
H02	FAM	COX2	Unkn-16	Gill 1hr E8	33.36	33.28	0.103
H03	FAM	COX2	Unkn-24	Gill 3hr C8	36.44	36.29	0.219
H04	FAM	COX2	Unkn-32	Gill 3hr E8	34.12	34.04	0.105
H05	FAM	COX2	Unkn-40	Mantle 3hr C3	32.51	32.37	0.203
H06	FAM	COX2	NTC		N/A	0.00	0.000
H07	FAM	COX2	Unkn-08	Gill 1hr C8	33.61	33.77	0.215
H08	FAM	COX2	Unkn-16	Gill 1hr E8	33.21	33.28	0.103
H09	FAM	COX2	Unkn-24	Gill 3hr C8	36.14	36.29	0.219
H10	FAM	COX2	Unkn-32	Gill 3hr E8	33.97	34.04	0.105
H11	FAM	COX2	Unkn-40	Mantle 3hr C3	32.22	32.37	0.203
H12	FAM	COX2	NTC		N/A	0.00	0.000

Melt Curve

Step #: 5



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	FAM	COX2	Unkn-01	Gill 1hr C1	79.20
A02	FAM	COX2	Unkn-09	Gill 1hr E1	79.20
A03	FAM	COX2	Unkn-17	Gill 3hr C1	79.20
A04	FAM	COX2	Unkn-25	Gill 3hr E1	79.20
A05	FAM	COX2	Unkn-33	Dg/Gonad 3hr C1	79.20
A06	FAM	COX2	Unkn-41	Mantle 3hr C4	79.20
A07	FAM	COX2	Unkn-01	Gill 1hr C1	79.20
A08	FAM	COX2	Unkn-09	Gill 1hr E1	79.20
A09	FAM	COX2	Unkn-17	Gill 3hr C1	79.20
A10	FAM	COX2	Unkn-25	Gill 3hr E1	79.20
A11	FAM	COX2	Unkn-33	Dg/Gonad 3hr C1	79.20
A12	FAM	COX2	Unkn-41	Mantle 3hr C4	79.20
B01	FAM	COX2	Unkn-02	Gill 1hr C2	79.20
B02	FAM	COX2	Unkn-10	Gill 1hr E2	79.00
B03	FAM	COX2	Unkn-18	Gill 3hr C2	79.60
B04	FAM	COX2	Unkn-26	Gill 3hr E2	79.20
B05	FAM	COX2	Unkn-34	Dg/Gonad 3hr C2	79.60
B06	FAM	COX2	Unkn-42	Mantle 3hr C6	79.20
B07	FAM	COX2	Unkn-02	Gill 1hr C2	79.20
B08	FAM	COX2	Unkn-10	Gill 1hr E2	79.20
B09	FAM	COX2	Unkn-18	Gill 3hr C2	79.20
B10	FAM	COX2	Unkn-26	Gill 3hr E2	79.20
B11	FAM	COX2	Unkn-34	Dg/Gonad 3hr C2	79.20
B12	FAM	COX2	Unkn-42	Mantle 3hr C6	79.20
C01	FAM	COX2	Unkn-03	Gill 1hr C3	79.00
C02	FAM	COX2	Unkn-11	Gill 1hr E3	79.20
C03	FAM	COX2	Unkn-19	Gill 3hr C3	79.20
C04	FAM	COX2	Unkn-27	Gill 3hr E3	79.20
C05	FAM	COX2	Unkn-35	Dg/Gonad 3hr C3	79.20
C06	FAM	COX2	Unkn-43	Muscle 3hr C1	79.20
C07	FAM	COX2	Unkn-03	Gill 1hr C3	79.00
C08	FAM	COX2	Unkn-11	Gill 1hr E3	79.20
C09	FAM	COX2	Unkn-19	Gill 3hr C3	79.00
C10	FAM	COX2	Unkn-27	Gill 3hr E3	79.20
C11	FAM	COX2	Unkn-35	Dg/Gonad 3hr C3	79.20
C12	FAM	COX2	Unkn-43	Muscle 3hr C1	79.20
D01	FAM	COX2	Unkn-04	Gill 1hr C4	79.20
D02	FAM	COX2	Unkn-12	Gill 1hr E4	79.20
D03	FAM	COX2	Unkn-20	Gill 3hr C4	79.20
D04	FAM	COX2	Unkn-28	Gill 3hr E4	79.20
D05	FAM	COX2	Unkn-36	Dg/Gonad 3hr C4	79.20
D06	FAM	COX2	Unkn-44	Muscle 3hr C2	79.60
D07	FAM	COX2	Unkn-04	Gill 1hr C4	79.40
D08	FAM	COX2	Unkn-12	Gill 1hr E4	79.60
D09	FAM	COX2	Unkn-20	Gill 3hr C4	79.20
D10	FAM	COX2	Unkn-28	Gill 3hr E4	79.20
D11	FAM	COX2	Unkn-36	Dg/Gonad 3hr C4	79.20
D12	FAM	COX2	Unkn-44	Muscle 3hr C2	79.40

Well	Fluor	Target	Content	Sample	Melt Temp
E01	FAM	COX2	Unkn-05	Gill 1hr C5	79.20
E02	FAM	COX2	Unkn-13	Gill 1hr E5	79.20
E03	FAM	COX2	Unkn-21	Gill 3hr C5	79.20
E04	FAM	COX2	Unkn-29	Gill 3hr E5	79.20
E05	FAM	COX2	Unkn-37	Dg/Gonad 3hr C6	79.20
E06	FAM	COX2	Unkn-45	Muscle 3hr C3	79.20
E07	FAM	COX2	Unkn-05	Gill 1hr C5	79.20
E08	FAM	COX2	Unkn-13	Gill 1hr E5	79.20
E09	FAM	COX2	Unkn-21	Gill 3hr C5	79.20
E10	FAM	COX2	Unkn-29	Gill 3hr E5	79.20
E11	FAM	COX2	Unkn-37	Dg/Gonad 3hr C6	79.20
E12	FAM	COX2	Unkn-45	Muscle 3hr C3	79.20
F01	FAM	COX2	Unkn-06	Gill 1hr C6	79.20
F02	FAM	COX2	Unkn-14	Gill 1hr E6	79.60
F03	FAM	COX2	Unkn-22	Gill 3hr C6	79.00
F04	FAM	COX2	Unkn-30	Gill 3hr E6	79.40
F05	FAM	COX2	Unkn-38	Mantle 3hr C1	79.20
F06	FAM	COX2	Unkn-46	Muscle 3hr C4	79.20
F07	FAM	COX2	Unkn-06	Gill 1hr C6	79.20
F08	FAM	COX2	Unkn-14	Gill 1hr E6	79.20
F09	FAM	COX2	Unkn-22	Gill 3hr C6	79.40
F10	FAM	COX2	Unkn-30	Gill 3hr E6	79.20
F11	FAM	COX2	Unkn-38	Mantle 3hr C1	79.20
F12	FAM	COX2	Unkn-46	Muscle 3hr C4	79.20
G01	FAM	COX2	Unkn-07	Gill 1hr C7	79.20
G02	FAM	COX2	Unkn-15	Gill 1hr E7	79.20
G03	FAM	COX2	Unkn-23	Gill 3hr C7	79.20
G04	FAM	COX2	Unkn-31	Gill 3hr E7	79.20
G05	FAM	COX2	Unkn-39	Mantle 3hr C2	79.20
G06	FAM	COX2	Unkn-47	Muscle 3hr C6	79.20
G07	FAM	COX2	Unkn-07	Gill 1hr C7	79.20
G08	FAM	COX2	Unkn-15	Gill 1hr E7	79.20
G09	FAM	COX2	Unkn-23	Gill 3hr C7	79.20
G10	FAM	COX2	Unkn-31	Gill 3hr E7	79.20
G11	FAM	COX2	Unkn-39	Mantle 3hr C2	79.20
G12	FAM	COX2	Unkn-47	Muscle 3hr C6	79.20
H01	FAM	COX2	Unkn-08	Gill 1hr C8	79.60
H02	FAM	COX2	Unkn-16	Gill 1hr E8	79.20
H03	FAM	COX2	Unkn-24	Gill 3hr C8	79.20
H04	FAM	COX2	Unkn-32	Gill 3hr E8	79.20
H05	FAM	COX2	Unkn-40	Mantle 3hr C3	79.20
H06	FAM	COX2	NTC		None
H07	FAM	COX2	Unkn-08	Gill 1hr C8	79.20
H08	FAM	COX2	Unkn-16	Gill 1hr E8	79.20
H09	FAM	COX2	Unkn-24	Gill 3hr C8	79.20
H10	FAM	COX2	Unkn-32	Gill 3hr E8	79.20
H11	FAM	COX2	Unkn-40	Mantle 3hr C3	79.20
H12	FAM	COX2	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	FAM:A1, A2, A4, A7, A8, A10, B1, B3, B5, B7, B9, B11, C1, C2, C3, C4, C5, C7, C8, C9, C10, C11, D2, D5, D8, D11, E3, E6, E9, E12, F3, F4, F9, F10, G3, G5, G9, G11, H1, H3, H5, H7, H9, H11.	False	