



CFX96 SYBR 20uL Gene Expression+Melt.pcrd

2015/11/16 16:04

Report Information

User: BioRad/rob

Data File Name: CFX96 SYBR 20uL Gene Expression+Melt.pcrd

Data File Path: C:\Program Files (x86)\Bio-Rad\CFX\SampleFiles\DataFiles

Well Group Name: All Wells

Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 2010/12/14 8:42

Run User: rob

Run Type: User-defined

Plate File: 96wSYBRGeneExpressionBRWhite.pltd

ID:

Notes: CFX96, SYBR, 20uL, Gene Expression experiment, run in SYBR/FAM-only Scan Mode. The run included a time course (Unknowns) and a standard curve (1e7-1e2 copies/rxn + No-Template-Controls) for three different genes.

In the time course, Actin and Tubulin exhibit constant expression, and IL1-Beta exhibits approximately four-fold decrease in expression per hour. The amplification protocol was followed by melt curve analysis. Run was performed in Bio-Rad MLL-9651 plate with MSB-1001 Optical Seal.

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: CC003408

Optical Head Serial Number: 785BR4735

Protocol

1: 95.0°C for 3:00

2: 95.0°C for 0:10

3: 55.0°C for 0:30

Plate Read

4: GOTO 2, 39 more times

5: 95.0°C for 1:00

6: 55.0°C for 1:00

7: Melt Curve 55.0°C to 95.0°C: Increment 0.5°C 0:05

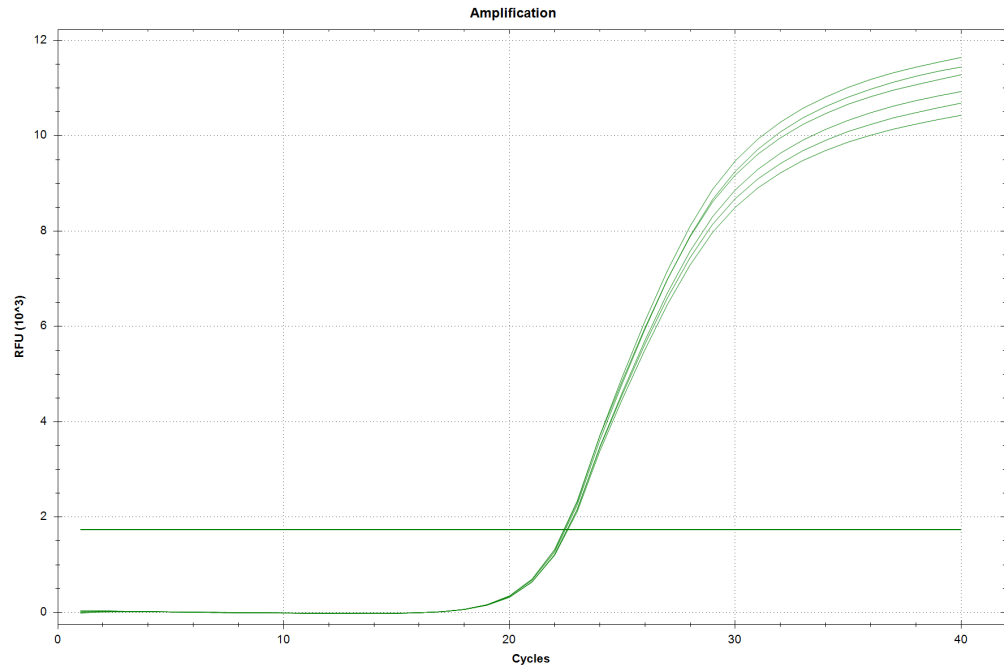
Plate Read

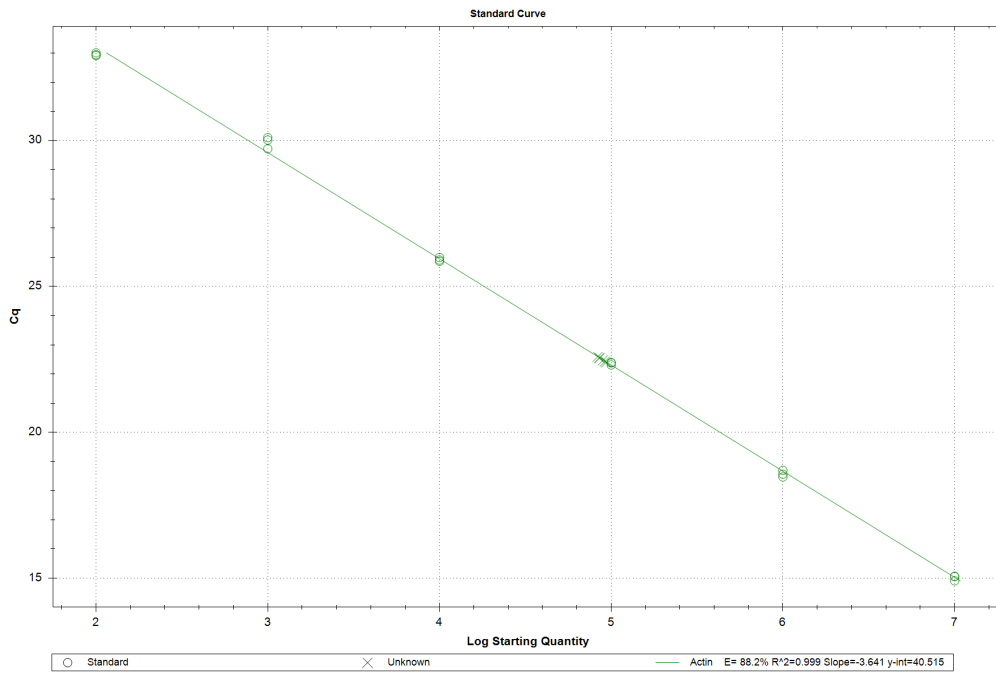
Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Actin 0Hr	Unk-2 Actin 1Hr	Unk-3 Actin 2Hr	Unk-4 Tubulin 0Hr	Unk-5 Tubulin 1Hr	Unk-6 Tubulin 2Hr	Unk-7 IL1Beta 0Hr	Unk-8 IL1Beta 1Hr	Unk-9 IL1Beta 2Hr	*NTC-1 Actin NTC	*NTC-2 Tubulin NTC	*NTC-3 IL1Beta NTC
B	Unk-1 Actin 0Hr	Unk-2 Actin 1Hr	Unk-3 Actin 2Hr	Unk-4 Tubulin 0Hr	Unk-5 Tubulin 1Hr	Unk-6 Tubulin 2Hr	Unk-7 IL1Beta 0Hr	Unk-8 IL1Beta 1Hr	Unk-9 IL1Beta 2Hr	*NTC-1 Actin NTC	*NTC-2 Tubulin NTC	*NTC-3 IL1Beta NTC
C	Unk-1 Actin 0Hr	Unk-2 Actin 1Hr	Unk-3 Actin 2Hr	Unk-4 Tubulin 0Hr	Unk-5 Tubulin 1Hr	Unk-6 Tubulin 2Hr	Unk-7 IL1Beta 0Hr	Unk-8 IL1Beta 1Hr	Unk-9 IL1Beta 2Hr			

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Std-1 Actin dil-1	Std-2 Actin dil-2	Std-3 Actin dil-3	Std-4 Actin dil-4	Std-5 Actin dil-5	Std-6 Actin dil-6	Std-7 Tubulin dil-7	Std-8 Tubulin dil-8	Std-9 Tubulin dil-9	Std-10 Tubulin dil-10	Std-11 Tubulin dil-11	Std-12 Tubulin dil-12
E	Std-1 Actin dil-1	Std-2 Actin dil-2	Std-3 Actin dil-3	Std-4 Actin dil-4	Std-5 Actin dil-5	Std-6 Actin dil-6	Std-7 Tubulin dil-7	Std-8 Tubulin dil-8	Std-9 Tubulin dil-9	Std-10 Tubulin dil-10	Std-11 Tubulin dil-11	Std-12 Tubulin dil-12
F	Std-1 Actin dil-1	Std-2 Actin dil-2	Std-3 Actin dil-3	Std-4 Actin dil-4	Std-5 Actin dil-5	Std-6 Actin dil-6	Std-7 Tubulin dil-7	Std-8 Tubulin dil-8	Std-9 Tubulin dil-9	Std-10 Tubulin dil-10	Std-11 Tubulin dil-11	Std-12 Tubulin dil-12
G	Std-13 IL1Beta dil-13	Std-13 IL1Beta dil-13	Std-14 IL1Beta dil-14	Std-15 IL1Beta dil-15	Std-15 IL1Beta dil-15	Std-16 IL1Beta dil-16	Std-17 IL1Beta dil-17	Std-17 IL1Beta dil-17	Std-18 IL1Beta dil-18			
H	Std-13 IL1Beta dil-13	Std-14 IL1Beta dil-14	Std-14 IL1Beta dil-14	Std-15 IL1Beta dil-15	Std-16 IL1Beta dil-16	Std-16 IL1Beta dil-16	Std-17 IL1Beta dil-17	Std-18 IL1Beta dil-18	Std-18 IL1Beta dil-18			





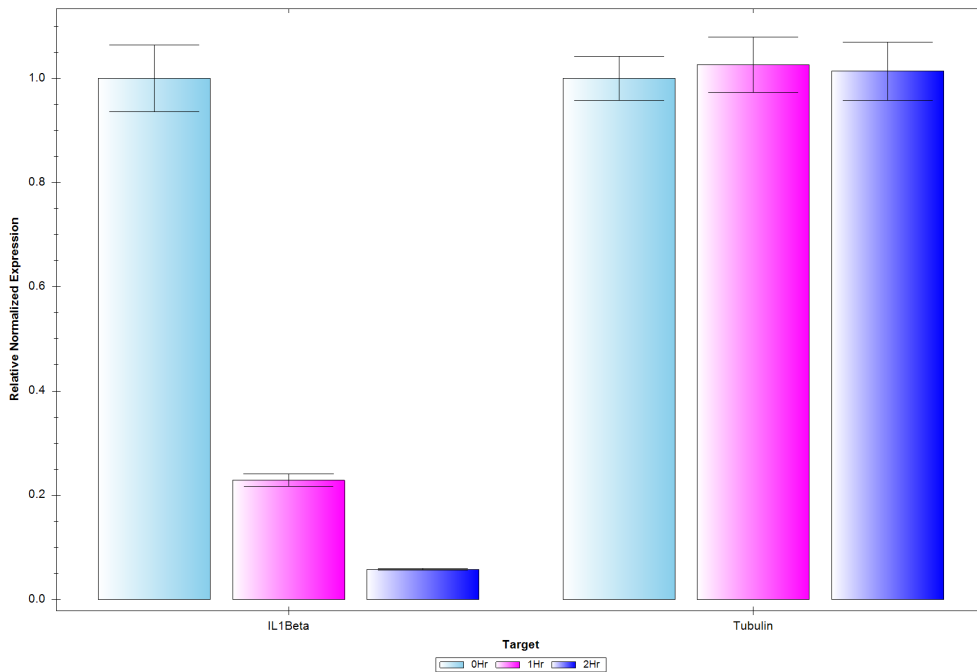
Bar Chart

Analysis Mode: Normalized expression (Cq)

Chart Data: Relative to zero

Scaling options:

Chart Error: ± 1.0 SEMs



Target Names

Name	Full Name	Reference	Auto Efficiency	Efficiency
Actin	Actin	True	Yes	88.2%
IL1Beta	IL1Beta	False	Yes	95.5%
Tubulin	Tubulin	False	Yes	94.4%

Sample Names

Name	Full Name	Control
0Hr	0Hr	Yes
1Hr	1Hr	No
2Hr	2Hr	No
dil-1	dil-1	No
dil-2	dil-2	No
dil-3	dil-3	No
dil-4	dil-4	No
dil-5	dil-5	No
dil-6	dil-6	No

QC Parameters

Data

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	Actin		
Std Curve R ² less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True		False	