



14-24-002.pcrd

05/14/2024 16:25

Report Information

User: BioRad/admin

Data File Name: 14-24-002.pcrd

Data File Path: C:\Users\admin\Desktop\May 24\14-05-2024\2

Well Group Name: All Wells

Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 05/14/2024 14:39

Run User: admin

Run Type: User-defined

PlateFile: Quick Plate_96wells_SYBROnly.pltd **ID:**

Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: CT029549

Optical Head Serial Number: 785BR17443

Protocol

1: 95.0°C for 3:00

2: 95.0°C for 0:15

3: Gradient 55.5°C/59.3°C for 0:30 Plate

Read

4: GOTO 2, 40 more times

5:MeltCurve65.0°Cto95.0°C:Increment 0.5°C0:05 Plate

Read

Plate Display

[illegible]

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	Unk SYBR BAT3	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR	Unk SYBR
H	Unk SYBR	UnkS YBRB AT-C	UnkS YBRB AT-C	UnkS YBRB AT-C	Unk SYBR BAT1	Unk SYBR BAT1	Unk SYBR BAT1	Unk SYBR BAT2	Unk SYBR BAT2	Unk SYBR BAT2	Unk SYBR BAT3	Unk SYBR BAT3

Quantification

Step #: 3
Analysis Mode: Fluorophore
Baseline Setting: Baseline Subtracted Curve Fit
Cq Determination: Single Threshold
Baseline Method:
SYBR:AutoCalculated
Threshold Setting:
SYBR: 290.01, Auto Calculated

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev	Set Point
A01	SYBR		Unkn		N/A	0.00	0.000	59.3
A02	SYBR		Unkn		N/A	0.00	0.000	59.3
A03	SYBR		Unkn	BGLAP-C	28.51	28.51	0.000	59.3
A04	SYBR		Unkn	BGLAP-C	28.66	28.66	0.000	59.3
A05	SYBR		Unkn	BGLAP-C	28.52	28.52	0.000	59.3
A06	SYBR		Unkn	BGLAP-T1	28.45	28.45	0.000	59.3
A07	SYBR		Unkn	BGLAP-T1	28.24	28.24	0.000	59.3
A08	SYBR		Unkn	BGLAP-T1	28.27	28.27	0.000	59.3
A09	SYBR		Unkn	BALAP-T2	27.28	27.28	0.000	59.3
A10	SYBR		Unkn	BALAP-T2	27.33	27.33	0.000	59.3
A11	SYBR		Unkn	BALAP-T2	27.23	27.23	0.000	59.3

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev	Set Point
A12	SYBR		Unkn	BGLAP-T3	26.76	26.76	0.000	59.3
B01	SYBR		Unkn	BGLAP-T3	26.63	26.63	0.000	59.1
B02	SYBR		Unkn	BGLAP-T3	26.73	26.73	0.000	59.1
B03	SYBR		Unkn		N/A	0.00	0.000	59.1
B04	SYBR		Unkn		N/A	0.00	0.000	59.1
B05	SYBR		Unkn		N/A	0.00	0.000	59.1
B06	SYBR		Unkn		N/A	0.00	0.000	59.1
B07	SYBR		Unkn		N/A	0.00	0.000	59.1
B08	SYBR		Unkn		N/A	0.00	0.000	59.1
B09	SYBR		Unkn		N/A	0.00	0.000	59.1
B10	SYBR		Unkn		N/A	0.00	0.000	59.1
B11	SYBR		Unkn		N/A	0.00	0.000	59.1
B12	SYBR		Unkn		N/A	0.00	0.000	59.1
C01	SYBR		Unkn		N/A	0.00	0.000	58.7
C02	SYBR		Unkn		N/A	0.00	0.000	58.7
C03	SYBR		Unkn		N/A	0.00	0.000	58.7
C04	SYBR		Unkn		N/A	0.00	0.000	58.7
C05	SYBR		Unkn		N/A	0.00	0.000	58.7
C06	SYBR		Unkn		N/A	0.00	0.000	58.7
C07	SYBR		Unkn		N/A	0.00	0.000	58.7
C08	SYBR		Unkn		N/A	0.00	0.000	58.7
C09	SYBR		Unkn		N/A	0.00	0.000	58.7
C10	SYBR		Unkn		N/A	0.00	0.000	58.7
C11	SYBR		Unkn		N/A	0.00	0.000	58.7
C12	SYBR		Unkn		N/A	0.00	0.000	58.7
D01	SYBR		Unkn		N/A	0.00	0.000	57.9
D02	SYBR		Unkn		N/A	0.00	0.000	57.9
D03	SYBR		Unkn		N/A	0.00	0.000	57.9
D04	SYBR		Unkn		N/A	0.00	0.000	57.9
D05	SYBR		Unkn		N/A	0.00	0.000	57.9
D06	SYBR		Unkn		N/A	0.00	0.000	57.9
D07	SYBR		Unkn		N/A	0.00	0.000	57.9
D08	SYBR		Unkn		N/A	0.00	0.000	57.9
D09	SYBR		Unkn		N/A	0.00	0.000	57.9
D10	SYBR		Unkn		N/A	0.00	0.000	57.9
D11	SYBR		Unkn		N/A	0.00	0.000	57.9
D12	SYBR		Unkn		N/A	0.00	0.000	57.9
E01	SYBR		Unkn		N/A	0.00	0.000	57.0
E02	SYBR		Unkn		N/A	0.00	0.000	57.0
E03	SYBR		Unkn	RUNX2-C	23.71	23.71	0.000	57.0
E04	SYBR		Unkn	RUNX2-C	23.37	23.37	0.000	57.0
E05	SYBR		Unkn	RUNX2-C	23.44	23.44	0.000	57.0
E06	SYBR		Unkn	RUNX2-T1	23.09	23.09	0.000	57.0
E07	SYBR		Unkn	RUNX2-T1	23.09	23.09	0.000	57.0
E08	SYBR		Unkn	RUNX2-T1	23.09	23.09	0.000	57.0
E09	SYBR		Unkn	RUNX2-T2	23.03	23.03	0.000	57.0
E10	SYBR		Unkn	RUNX2-T2	23.03	23.03	0.000	57.0
E11	SYBR		Unkn	RUNX2-T2	22.91	22.91	0.000	57.0
E12	SYBR		Unkn	RUNX2-T3	22.65	22.65	0.000	57.0

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev	Set Point
F01	SYBR		Unkn	RUNX2-T3	22.36	22.36	0.000	56.3
F02	SYBR		Unkn	RUNX2-T3	22.43	22.43	0.000	56.3
F03	SYBR		Unkn		N/A	0.00	0.000	56.3
F04	SYBR		Unkn		N/A	0.00	0.000	56.3
F05	SYBR		Unkn		N/A	0.00	0.000	56.3
F06	SYBR		Unkn		N/A	0.00	0.000	56.3
F07	SYBR		Unkn		N/A	0.00	0.000	56.3
F08	SYBR		Unkn		N/A	0.00	0.000	56.3
F09	SYBR		Unkn		N/A	0.00	0.000	56.3
F10	SYBR		Unkn		N/A	0.00	0.000	56.3
F11	SYBR		Unkn		N/A	0.00	0.000	56.3
F12	SYBR		Unkn		N/A	0.00	0.000	56.3
G01	SYBR		Unkn		N/A	0.00	0.000	55.8
G02	SYBR		Unkn		N/A	0.00	0.000	55.8
G03	SYBR		Unkn		N/A	0.00	0.000	55.8
G04	SYBR		Unkn		N/A	0.00	0.000	55.8
G05	SYBR		Unkn		N/A	0.00	0.000	55.8
G06	SYBR		Unkn		N/A	0.00	0.000	55.8
G07	SYBR		Unkn		N/A	0.00	0.000	55.8
G08	SYBR		Unkn		N/A	0.00	0.000	55.8
G09	SYBR		Unkn		N/A	0.00	0.000	55.8
G10	SYBR		Unkn		N/A	0.00	0.000	55.8
G11	SYBR		Unkn		N/A	0.00	0.000	55.8
G12	SYBR		Unkn		N/A	0.00	0.000	55.8
H01	SYBR		Unkn	BAT-C	13.49	13.49	0.000	55.5
H02	SYBR		Unkn	BAT-C	13.44	13.44	0.000	55.5
H03	SYBR		Unkn	BAT-C	13.31	13.31	0.000	55.5
H04	SYBR		Unkn	BAT1	13.15	13.15	0.000	55.5
H05	SYBR		Unkn	BAT1	13.29	13.29	0.000	55.5
H06	SYBR		Unkn	BAT1	13.30	13.30	0.000	55.5
H07	SYBR		Unkn	BAT2	13.39	13.39	0.000	55.5
H08	SYBR		Unkn	BAT2	13.41	13.41	0.000	55.5
H09	SYBR		Unkn	BAT2	13.45	13.45	0.000	55.5
H10	SYBR		Unkn	BAT3	13.32	13.32	0.000	55.5
H11	SYBR		Unkn	BAT3	13.31	13.31	0.000	55.5
H12	SYBR		Unkn	BAT3	13.36	13.36	0.000	55.5

Bar Chart

Expression analysis requires that at least two wells contain sample names, targets, and valid Cqs.

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	SYBR: A1, A2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, E1, E2, E9, E10, E11, E12, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, G1, G2, G3, G4, G5, G6, G7,	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	