



sam_2018-10-18 08-20-51_BR006896.pcrd

10/18/2018 11:35

Report Information

User: BioRad/sam

Data File Name: sam_2018-10-18 08-20-51_BR006896.pcrd

Data File Path: \\owl.fish.washington.edu\web\scaphapoda\qPCR_data\cfx_connect_data

Well Group Name: All Wells

Report Differs from Last Save: Yes

Run Setup

Run Information

Run Date: 10/18/2018 08:20

Run User: sam

Run Type: User-defined

Plate File: 20181018_gigas_cDNA.pltd

ID:

Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: BR006896

Optical Head Serial Number: 788BR07000

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-1 EF1a D01-C	Unk-1 EF1a D01-C	Unk-2 EF1a D02-C	Unk-2 EF1a D02-C	Unk-3 EF1a D09-C	Unk-3 EF1a D09-C	Unk-4 EF1a D10-C	Unk-4 EF1a D10-C	Unk-5 EF1a D11-C	Unk-5 EF1a D11-C	Unk-6 EF1a D12-C	Unk-6 EF1a D12-C
B	Unk-7 EF1a D19-C	Unk-7 EF1a D19-C	Unk-8 EF1a D20-C	Unk-8 EF1a D20-C	Unk-9 EF1a T01-C	Unk-9 EF1a T01-C	Unk-10 EF1a T02-C	Unk-10 EF1a T02-C	Unk-11 EF1a T09-C	Unk-11 EF1a T09-C	Unk-12 EF1a T10-C	Unk-12 EF1a T10-C
C	Unk-13 EF1a T11-C	Unk-13 EF1a T11-C	Unk-14 EF1a T12-C	Unk-14 EF1a T12-C	Unk-15 EF1a T19-C	Unk-15 EF1a T19-C	Unk-16 EF1a T20-C	Unk-16 EF1a T20-C	NTC-1 EF1a	NTC-1 EF1a		
D												
E	*Unk-17 HSP90 D01-C	*Unk-17 HSP90 D01-C	*Unk-18 HSP90 D02-C	*Unk-18 HSP90 D02-C	*Unk-19 HSP90 D09-C	*Unk-19 HSP90 D09-C	*Unk-20 HSP90 D10-C	*Unk-20 HSP90 D10-C	*Unk-21 HSP90 D11-C	*Unk-21 HSP90 D11-C	*Unk-22 HSP90 D12-C	*Unk-22 HSP90 D12-C
F	*Unk-23 HSP90 D19-C	*Unk-23 HSP90 D19-C	*Unk-24 HSP90 D20-C	*Unk-24 HSP90 D20-C	*Unk-25 HSP90 T01-C	*Unk-25 HSP90 T01-C	*Unk-26 HSP90 T02-C	*Unk-26 HSP90 T02-C	*Unk-27 HSP90 T09-C	*Unk-27 HSP90 T09-C	*Unk-28 HSP90 T10-C	*Unk-28 HSP90 T10-C

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	*Unk-29 HSP90 T11-C	*Unk-29 HSP90 T11-C	*Unk-30 HSP90 T12-C	*Unk-30 HSP90 T12-C	*Unk-31 HSP90 T19-C	*Unk-31 HSP90 T19-C	*Unk-32 HSP90 T20-C	*Unk-32 HSP90 T20-C	*NTC-2 HSP90	*NTC-2 HSP90		
H												

Quantification

Step #: 3

Analysis Mode: Fluorophore

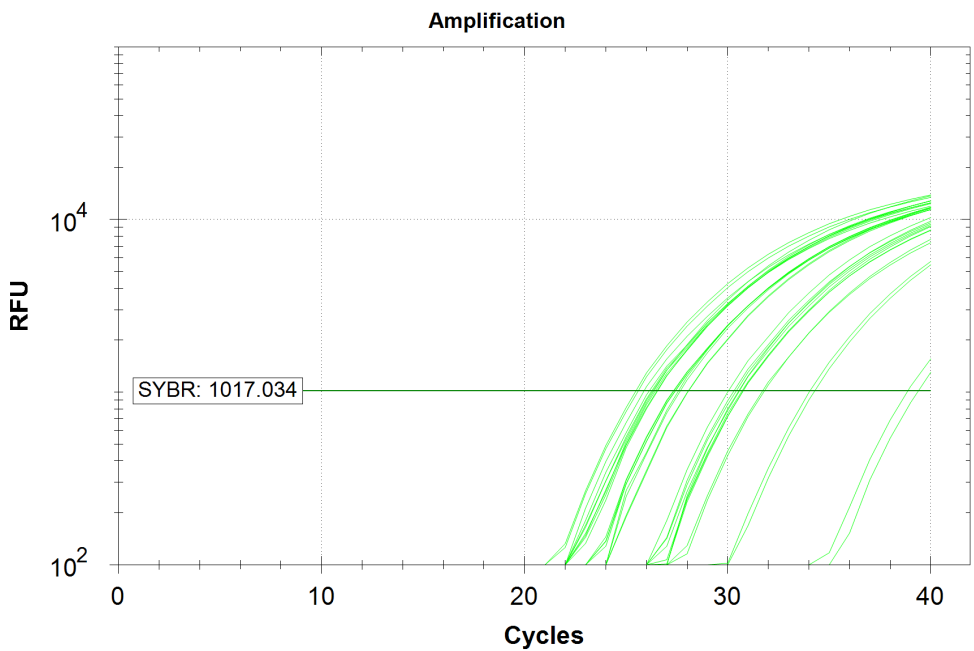
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 1017.03, User Defined



Quantification Data

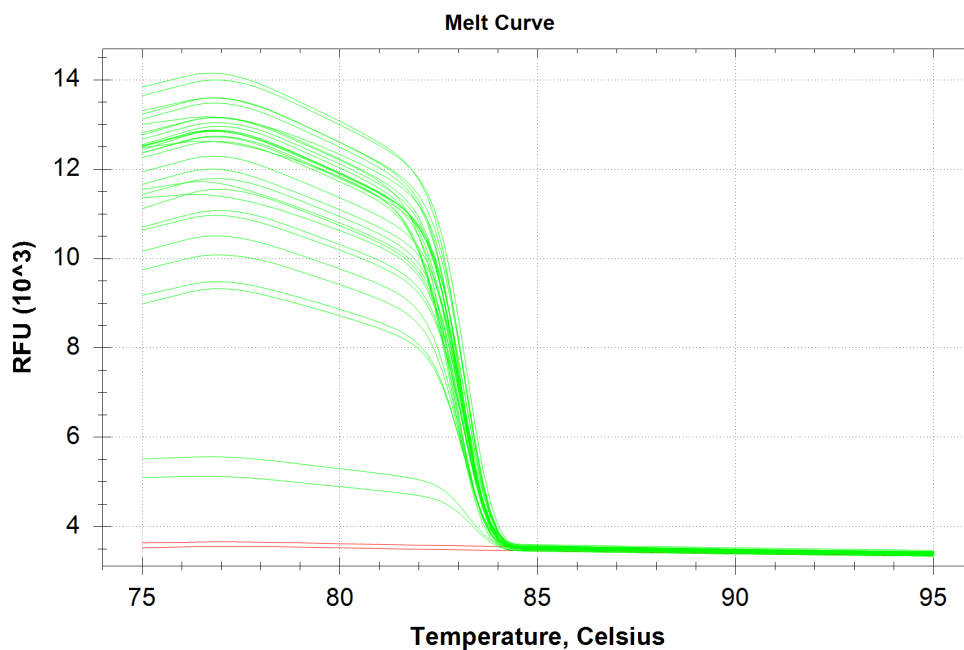
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	EF1a	Unkn-01	D01-C	25.42	25.48	0.081
A02	SYBR	EF1a	Unkn-01	D01-C	25.54	25.48	0.081
A03	SYBR	EF1a	Unkn-02	D02-C	28.06	28.05	0.009
A04	SYBR	EF1a	Unkn-02	D02-C	28.05	28.05	0.009
A05	SYBR	EF1a	Unkn-03	D09-C	30.37	30.44	0.107
A06	SYBR	EF1a	Unkn-03	D09-C	30.52	30.44	0.107
A07	SYBR	EF1a	Unkn-04	D10-C	30.26	30.15	0.167
A08	SYBR	EF1a	Unkn-04	D10-C	30.03	30.15	0.167
A09	SYBR	EF1a	Unkn-05	D11-C	34.25	34.14	0.147
A10	SYBR	EF1a	Unkn-05	D11-C	34.04	34.14	0.147
A11	SYBR	EF1a	Unkn-06	D12-C	26.31	26.40	0.124
A12	SYBR	EF1a	Unkn-06	D12-C	26.49	26.40	0.124
B01	SYBR	EF1a	Unkn-07	D19-C	39.34	39.09	0.353

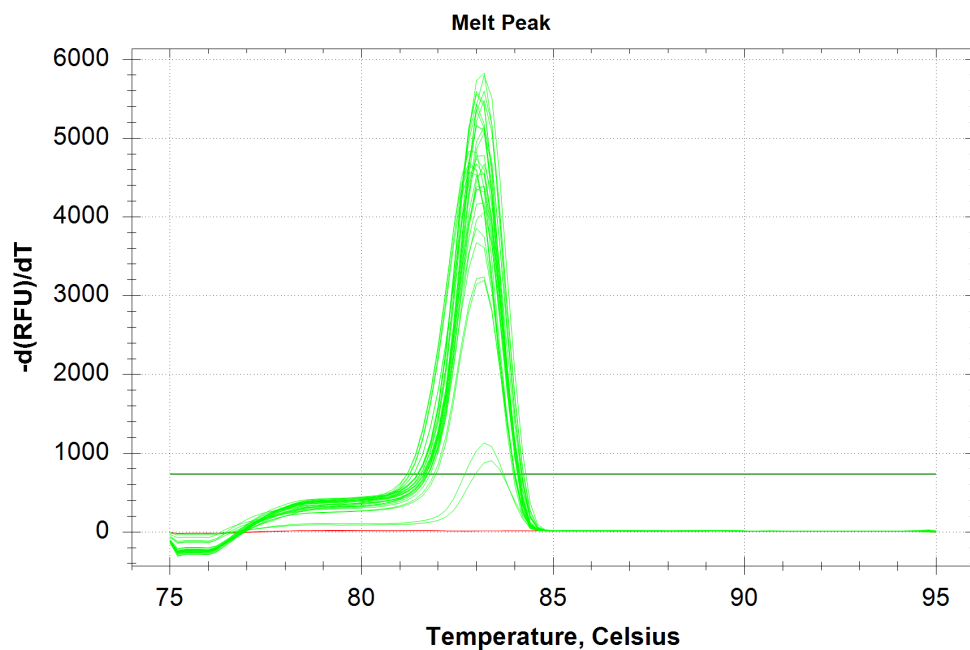
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B02	SYBR	EF1a	Unkn-07	D19-C	38.84	39.09	0.353
B03	SYBR	EF1a	Unkn-08	D20-C	27.30	27.29	0.015
B04	SYBR	EF1a	Unkn-08	D20-C	27.28	27.29	0.015
B05	SYBR	EF1a	Unkn-09	T01-C	27.38	27.37	0.008
B06	SYBR	EF1a	Unkn-09	T01-C	27.37	27.37	0.008
B07	SYBR	EF1a	Unkn-10	T02-C	26.38	26.42	0.055
B08	SYBR	EF1a	Unkn-10	T02-C	26.46	26.42	0.055
B09	SYBR	EF1a	Unkn-11	T09-C	27.62	27.57	0.068
B10	SYBR	EF1a	Unkn-11	T09-C	27.52	27.57	0.068
B11	SYBR	EF1a	Unkn-12	T10-C	30.66	30.58	0.121
B12	SYBR	EF1a	Unkn-12	T10-C	30.49	30.58	0.121
C01	SYBR	EF1a	Unkn-13	T11-C	30.72	30.72	0.005
C02	SYBR	EF1a	Unkn-13	T11-C	30.71	30.72	0.005
C03	SYBR	EF1a	Unkn-14	T12-C	31.68	31.73	0.071
C04	SYBR	EF1a	Unkn-14	T12-C	31.78	31.73	0.071
C05	SYBR	EF1a	Unkn-15	T19-C	25.85	25.98	0.185
C06	SYBR	EF1a	Unkn-15	T19-C	26.11	25.98	0.185
C07	SYBR	EF1a	Unkn-16	T20-C	26.27	26.24	0.036
C08	SYBR	EF1a	Unkn-16	T20-C	26.22	26.24	0.036
C09	SYBR	EF1a	NTC-01		N/A	0.00	0.000
C10	SYBR	EF1a	NTC-01		N/A	0.00	0.000

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	EF1a	Unkn-01	D01-C	83.20
A02	SYBR	EF1a	Unkn-01	D01-C	83.20
A03	SYBR	EF1a	Unkn-02	D02-C	83.20
A04	SYBR	EF1a	Unkn-02	D02-C	83.20
A05	SYBR	EF1a	Unkn-03	D09-C	83.20
A06	SYBR	EF1a	Unkn-03	D09-C	83.00
A07	SYBR	EF1a	Unkn-04	D10-C	83.20
A08	SYBR	EF1a	Unkn-04	D10-C	83.20
A09	SYBR	EF1a	Unkn-05	D11-C	83.20
A10	SYBR	EF1a	Unkn-05	D11-C	83.20
A11	SYBR	EF1a	Unkn-06	D12-C	83.20
A12	SYBR	EF1a	Unkn-06	D12-C	83.20
B01	SYBR	EF1a	Unkn-07	D19-C	83.40
B02	SYBR	EF1a	Unkn-07	D19-C	83.20
B03	SYBR	EF1a	Unkn-08	D20-C	82.80
B04	SYBR	EF1a	Unkn-08	D20-C	82.80
B05	SYBR	EF1a	Unkn-09	T01-C	83.00
B06	SYBR	EF1a	Unkn-09	T01-C	83.00
B07	SYBR	EF1a	Unkn-10	T02-C	83.00
B08	SYBR	EF1a	Unkn-10	T02-C	83.00
B09	SYBR	EF1a	Unkn-11	T09-C	83.00
B10	SYBR	EF1a	Unkn-11	T09-C	83.00
B11	SYBR	EF1a	Unkn-12	T10-C	83.20
B12	SYBR	EF1a	Unkn-12	T10-C	83.20
C01	SYBR	EF1a	Unkn-13	T11-C	83.20
C02	SYBR	EF1a	Unkn-13	T11-C	83.20
C03	SYBR	EF1a	Unkn-14	T12-C	83.00
C04	SYBR	EF1a	Unkn-14	T12-C	83.00
C05	SYBR	EF1a	Unkn-15	T19-C	82.80

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
C06	SYBR	EF1a	Unkn-15	T19-C	82.80
C07	SYBR	EF1a	Unkn-16	T20-C	83.00
C08	SYBR	EF1a	Unkn-16	T20-C	83.00
C09	SYBR	EF1a	NTC-01		None
C10	SYBR	EF1a	NTC-01		None

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			
Std Curve R ² less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True	SYBR:B1, B2.	False	