



sam_2018-10-18 08-20-51_BR006896_HSP90.pcrd

10/18/2018 13:23

Report Information

User: BioRad/sam

Data File Name: sam_2018-10-18 08-20-51_BR006896_HSP90.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: No

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

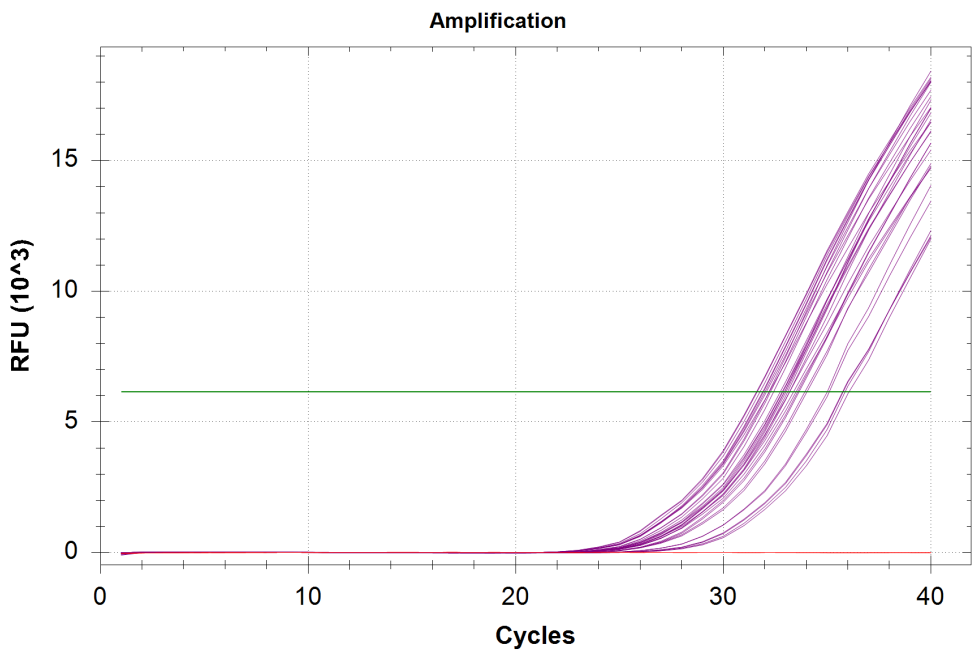
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 6155.28, Auto Calculated



Quantification Data

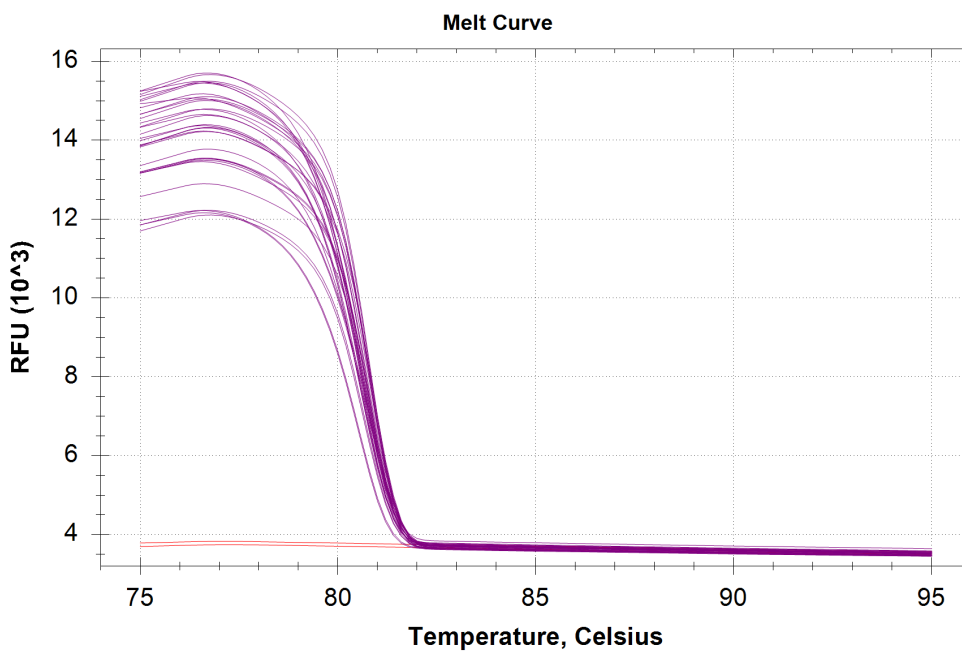
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E01	SYBR	HSP90	Unkn-17	D01-C	32.87	32.91	0.055
E02	SYBR	HSP90	Unkn-17	D01-C	32.95	32.91	0.055
E03	SYBR	HSP90	Unkn-18	D02-C	33.39	33.45	0.084
E04	SYBR	HSP90	Unkn-18	D02-C	33.51	33.45	0.084
E05	SYBR	HSP90	Unkn-19	D09-C	35.11	35.06	0.068
E06	SYBR	HSP90	Unkn-19	D09-C	35.01	35.06	0.068
E07	SYBR	HSP90	Unkn-20	D10-C	34.04	33.99	0.071
E08	SYBR	HSP90	Unkn-20	D10-C	33.94	33.99	0.071
E09	SYBR	HSP90	Unkn-21	D11-C	35.75	35.77	0.019
E10	SYBR	HSP90	Unkn-21	D11-C	35.78	35.77	0.019
E11	SYBR	HSP90	Unkn-22	D12-C	32.75	32.59	0.228
E12	SYBR	HSP90	Unkn-22	D12-C	32.43	32.59	0.228
F01	SYBR	HSP90	Unkn-23	D19-C	35.87	35.97	0.134

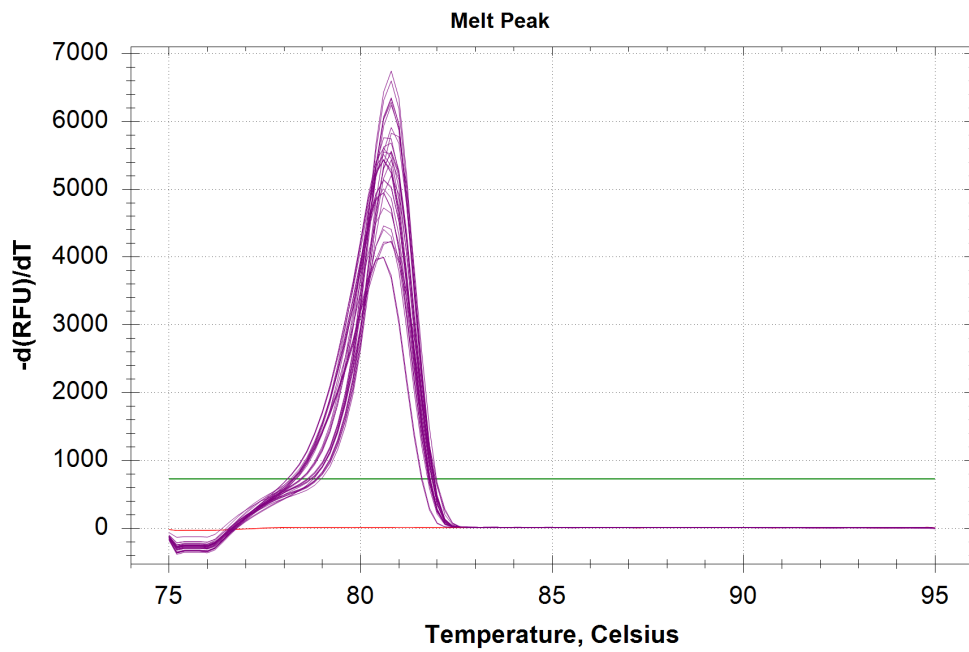
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F02	SYBR	HSP90	Unkn-23	D19-C	36.06	35.97	0.134
F03	SYBR	HSP90	Unkn-24	D20-C	33.03	32.99	0.049
F04	SYBR	HSP90	Unkn-24	D20-C	32.96	32.99	0.049
F05	SYBR	HSP90	Unkn-25	T01-C	32.20	32.24	0.054
F06	SYBR	HSP90	Unkn-25	T01-C	32.28	32.24	0.054
F07	SYBR	HSP90	Unkn-26	T02-C	31.61	31.62	0.022
F08	SYBR	HSP90	Unkn-26	T02-C	31.64	31.62	0.022
F09	SYBR	HSP90	Unkn-27	T09-C	33.59	33.62	0.044
F10	SYBR	HSP90	Unkn-27	T09-C	33.65	33.62	0.044
F11	SYBR	HSP90	Unkn-28	T10-C	33.20	33.15	0.065
F12	SYBR	HSP90	Unkn-28	T10-C	33.11	33.15	0.065
G01	SYBR	HSP90	Unkn-29	T11-C	32.08	31.99	0.127
G02	SYBR	HSP90	Unkn-29	T11-C	31.90	31.99	0.127
G03	SYBR	HSP90	Unkn-30	T12-C	33.20	33.02	0.253
G04	SYBR	HSP90	Unkn-30	T12-C	32.84	33.02	0.253
G05	SYBR	HSP90	Unkn-31	T19-C	31.77	32.00	0.318
G06	SYBR	HSP90	Unkn-31	T19-C	32.22	32.00	0.318
G07	SYBR	HSP90	Unkn-32	T20-C	32.02	31.98	0.052
G08	SYBR	HSP90	Unkn-32	T20-C	31.94	31.98	0.052
G09	SYBR	HSP90	NTC-02		N/A	0.00	0.000
G10	SYBR	HSP90	NTC-02		N/A	0.00	0.000

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
E01	SYBR	HSP90	Unkn-17	D01-C	80.80
E02	SYBR	HSP90	Unkn-17	D01-C	80.80
E03	SYBR	HSP90	Unkn-18	D02-C	80.80
E04	SYBR	HSP90	Unkn-18	D02-C	80.80
E05	SYBR	HSP90	Unkn-19	D09-C	80.80
E06	SYBR	HSP90	Unkn-19	D09-C	80.80
E07	SYBR	HSP90	Unkn-20	D10-C	80.80
E08	SYBR	HSP90	Unkn-20	D10-C	80.80
E09	SYBR	HSP90	Unkn-21	D11-C	80.60
E10	SYBR	HSP90	Unkn-21	D11-C	80.60
E11	SYBR	HSP90	Unkn-22	D12-C	80.60
E12	SYBR	HSP90	Unkn-22	D12-C	80.60
F01	SYBR	HSP90	Unkn-23	D19-C	80.60
F02	SYBR	HSP90	Unkn-23	D19-C	80.60
F03	SYBR	HSP90	Unkn-24	D20-C	80.80
F04	SYBR	HSP90	Unkn-24	D20-C	80.80
F05	SYBR	HSP90	Unkn-25	T01-C	80.80
F06	SYBR	HSP90	Unkn-25	T01-C	80.80
F07	SYBR	HSP90	Unkn-26	T02-C	80.60
F08	SYBR	HSP90	Unkn-26	T02-C	80.60
F09	SYBR	HSP90	Unkn-27	T09-C	80.60
F10	SYBR	HSP90	Unkn-27	T09-C	80.60
F11	SYBR	HSP90	Unkn-28	T10-C	80.60
F12	SYBR	HSP90	Unkn-28	T10-C	80.80
G01	SYBR	HSP90	Unkn-29	T11-C	80.60
G02	SYBR	HSP90	Unkn-29	T11-C	80.60
G03	SYBR	HSP90	Unkn-30	T12-C	80.60
G04	SYBR	HSP90	Unkn-30	T12-C	80.60
G05	SYBR	HSP90	Unkn-31	T19-C	80.60

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
G06	SYBR	HSP90	Unkn-31	T19-C	80.60
G07	SYBR	HSP90	Unkn-32	T20-C	80.80
G08	SYBR	HSP90	Unkn-32	T20-C	80.80
G09	SYBR	HSP90	NTC-02		None
G10	SYBR	HSP90	NTC-02		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:E11, E12, G3, G4, G5, G6.	False	