sam_2018-10-18 11-28-40_BR006896_HSC70.pcrd

10/18/2018 1:30 PM

Report Information

User: BioRad/sam
Data File Name: sam_2018-10-18 11-28-40_BR006896_HSC70.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 11:28 AM
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

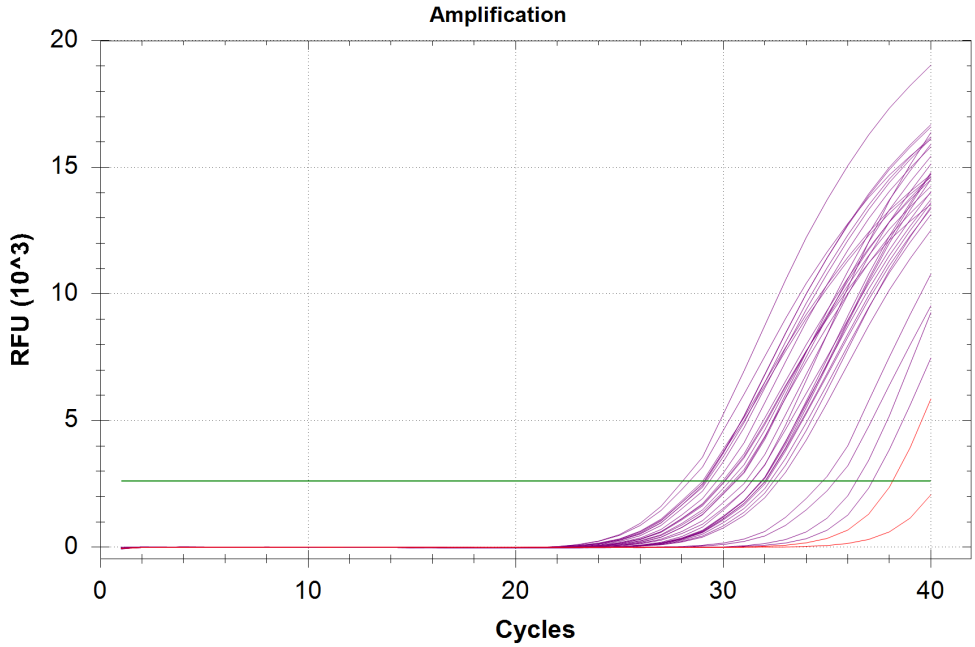
	1	2	3	4	5	6	7	8	9	10	11	12
A	*Unk-1 18s D01-C	*Unk-1 18s D01-C	*Unk-2 18s D02-C	*Unk-2 18s D02-C	*Unk-3 18s D09-C	*Unk-3 18s D09-C	*Unk-4 18s D10-C	*Unk-4 18s D10-C	*Unk-5 18s D11-C	*Unk-5 18s D11-C	*Unk-6 18s D12-C	*Unk-6 18s D12-C
B	*Unk-7 18s D19-C	*Unk-7 18s D19-C	*Unk-8 18s D20-C	*Unk-8 18s D20-C	*Unk-9 18s T01-C	*Unk-9 18s T01-C	*Unk-10 18s T02-C	*Unk-10 18s T02-C	*Unk-11 18s T09-C	*Unk-11 18s T09-C	*Unk-12 18s T10-C	*Unk-12 18s T10-C
C	*Unk-13 18s T11-C	*Unk-13 18s T11-C	*Unk-14 18s T12-C	*Unk-14 18s T12-C	*Unk-15 18s T19-C	*Unk-15 18s T19-C	*Unk-16 18s T20-C	*Unk-16 18s T20-C	*NTC-1 18s	*NTC-1 18s		
D												
E	Unk-17 HSC70 D01-C	Unk-17 HSC70 D01-C	Unk-18 HSC70 D02-C	Unk-18 HSC70 D02-C	Unk-19 HSC70 D09-C	Unk-19 HSC70 D09-C	Unk-20 HSC70 D10-C	Unk-20 HSC70 D10-C	Unk-21 HSC70 D11-C	Unk-21 HSC70 D11-C	Unk-22 HSC70 D12-C	Unk-22 HSC70 D12-C
F	Unk-23 HSC70 D19-C	Unk-23 HSC70 D19-C	Unk-24 HSC70 D20-C	Unk-24 HSC70 D20-C	Unk-25 HSC70 T01-C	Unk-25 HSC70 T01-C	Unk-26 HSC70 T02-C	Unk-26 HSC70 T02-C	Unk-27 HSC70 T09-C	Unk-27 HSC70 T09-C	Unk-28 HSC70 T10-C	Unk-28 HSC70 T10-C

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	Unk-29 HSC70 T11-C	Unk-29 HSC70 T11-C	Unk-30 HSC70 T12-C	Unk-30 HSC70 T12-C	Unk-31 HSC70 T19-C	Unk-31 HSC70 T19-C	Unk-32 HSC70 T20-C	Unk-32 HSC70 T20-C	NTC-2 HSC70	NTC-2 HSC70		
H												

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2625.99, Auto Calculated



Quantification Data

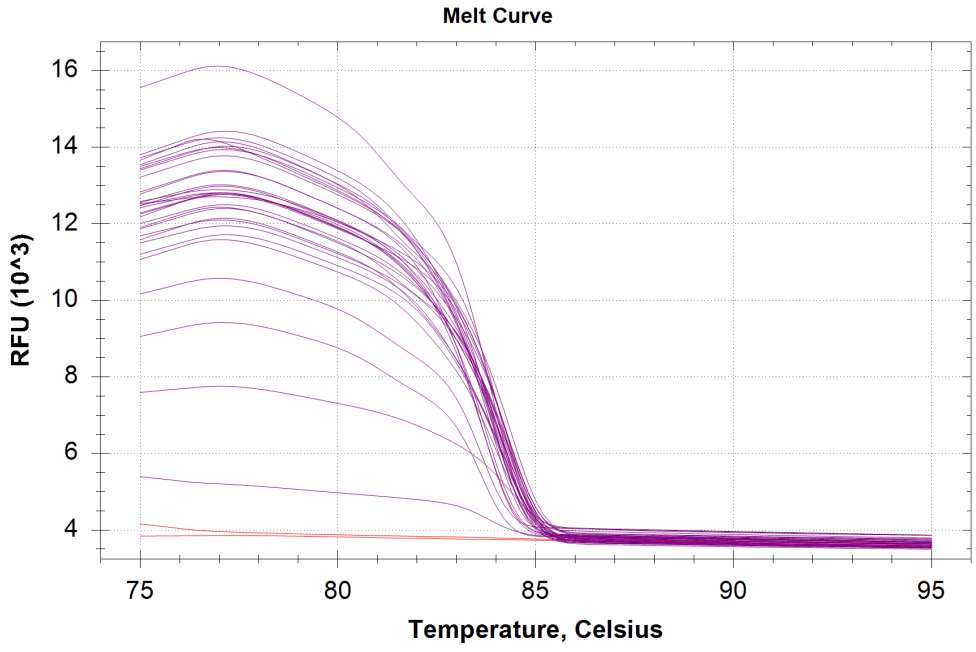
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E01	SYBR	HSC70	Unkn-17	D01-C	28.39	28.22	0.236
E02	SYBR	HSC70	Unkn-17	D01-C	28.06	28.22	0.236
E03	SYBR	HSC70	Unkn-18	D02-C	30.32	30.41	0.129
E04	SYBR	HSC70	Unkn-18	D02-C	30.50	30.41	0.129
E05	SYBR	HSC70	Unkn-19	D09-C	31.84	31.97	0.180
E06	SYBR	HSC70	Unkn-19	D09-C	32.10	31.97	0.180
E07	SYBR	HSC70	Unkn-20	D10-C	32.02	31.94	0.107
E08	SYBR	HSC70	Unkn-20	D10-C	31.87	31.94	0.107
E09	SYBR	HSC70	Unkn-21	D11-C	35.40	35.10	0.422
E10	SYBR	HSC70	Unkn-21	D11-C	34.80	35.10	0.422
E11	SYBR	HSC70	Unkn-22	D12-C	29.70	29.88	0.258
E12	SYBR	HSC70	Unkn-22	D12-C	30.06	29.88	0.258
F01	SYBR	HSC70	Unkn-23	D19-C	37.19	36.81	0.544

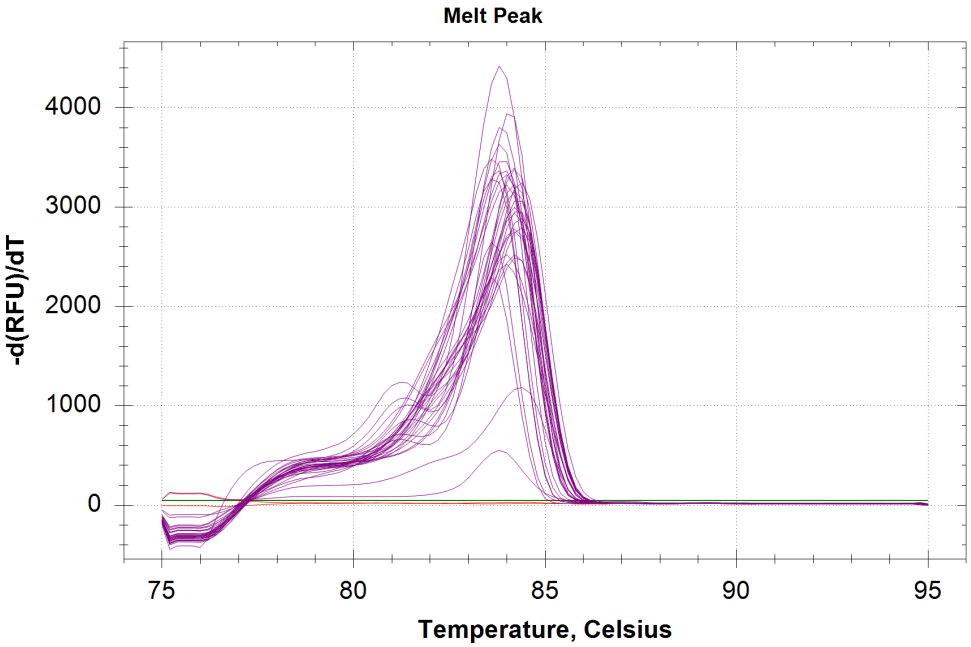
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F02	SYBR	HSC70	Unkn-23	D19-C	36.42	36.81	0.544
F03	SYBR	HSC70	Unkn-24	D20-C	30.63	30.61	0.032
F04	SYBR	HSC70	Unkn-24	D20-C	30.59	30.61	0.032
F05	SYBR	HSC70	Unkn-25	T01-C	29.15	29.25	0.141
F06	SYBR	HSC70	Unkn-25	T01-C	29.35	29.25	0.141
F07	SYBR	HSC70	Unkn-26	T02-C	29.21	29.16	0.080
F08	SYBR	HSC70	Unkn-26	T02-C	29.10	29.16	0.080
F09	SYBR	HSC70	Unkn-27	T09-C	31.10	31.24	0.204
F10	SYBR	HSC70	Unkn-27	T09-C	31.38	31.24	0.204
F11	SYBR	HSC70	Unkn-28	T10-C	32.44	32.55	0.159
F12	SYBR	HSC70	Unkn-28	T10-C	32.67	32.55	0.159
G01	SYBR	HSC70	Unkn-29	T11-C	31.40	31.64	0.351
G02	SYBR	HSC70	Unkn-29	T11-C	31.89	31.64	0.351
G03	SYBR	HSC70	Unkn-30	T12-C	32.04	32.15	0.155
G04	SYBR	HSC70	Unkn-30	T12-C	32.26	32.15	0.155
G05	SYBR	HSC70	Unkn-31	T19-C	29.09	29.06	0.051
G06	SYBR	HSC70	Unkn-31	T19-C	29.02	29.06	0.051
G07	SYBR	HSC70	Unkn-32	T20-C	29.98	30.04	0.085
G08	SYBR	HSC70	Unkn-32	T20-C	30.10	30.04	0.085
G09	SYBR	HSC70	NTC-02		38.16	38.16	0.000
G10	SYBR	HSC70	NTC-02		N/A	0.00	0.000

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
E01	SYBR	HSC70	Unkn-17	D01-C	83.80
E01	SYBR	HSC70	Unkn-17	D01-C	81.40
E02	SYBR	HSC70	Unkn-17	D01-C	83.80
E02	SYBR	HSC70	Unkn-17	D01-C	81.20
E03	SYBR	HSC70	Unkn-18	D02-C	84.20
E04	SYBR	HSC70	Unkn-18	D02-C	84.20
E05	SYBR	HSC70	Unkn-19	D09-C	84.40
E06	SYBR	HSC70	Unkn-19	D09-C	84.40
E07	SYBR	HSC70	Unkn-20	D10-C	84.20
E08	SYBR	HSC70	Unkn-20	D10-C	84.20
E09	SYBR	HSC70	Unkn-21	D11-C	83.60
E09	SYBR	HSC70	Unkn-21	D11-C	81.20
E10	SYBR	HSC70	Unkn-21	D11-C	83.60
E10	SYBR	HSC70	Unkn-21	D11-C	81.20
E11	SYBR	HSC70	Unkn-22	D12-C	84.00
E11	SYBR	HSC70	Unkn-22	D12-C	81.40
E12	SYBR	HSC70	Unkn-22	D12-C	84.20
E12	SYBR	HSC70	Unkn-22	D12-C	81.60
F01	SYBR	HSC70	Unkn-23	D19-C	83.80
F01	SYBR	HSC70	Unkn-23	D19-C	76.00
F02	SYBR	HSC70	Unkn-23	D19-C	84.40
F03	SYBR	HSC70	Unkn-24	D20-C	84.00
F04	SYBR	HSC70	Unkn-24	D20-C	84.00
F05	SYBR	HSC70	Unkn-25	T01-C	84.40
F06	SYBR	HSC70	Unkn-25	T01-C	84.20
F07	SYBR	HSC70	Unkn-26	T02-C	84.00
F08	SYBR	HSC70	Unkn-26	T02-C	84.00
F09	SYBR	HSC70	Unkn-27	T09-C	83.60
F10	SYBR	HSC70	Unkn-27	T09-C	83.60

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
F11	SYBR	HSC70	Unkn-28	T10-C	84.00
F12	SYBR	HSC70	Unkn-28	T10-C	84.00
G01	SYBR	HSC70	Unkn-29	T11-C	83.80
G02	SYBR	HSC70	Unkn-29	T11-C	83.80
G03	SYBR	HSC70	Unkn-30	T12-C	84.20
G04	SYBR	HSC70	Unkn-30	T12-C	84.20
G05	SYBR	HSC70	Unkn-31	T19-C	84.20
G06	SYBR	HSC70	Unkn-31	T19-C	84.20
G07	SYBR	HSC70	Unkn-32	T20-C	84.20
G08	SYBR	HSC70	Unkn-32	T20-C	84.20
G09	SYBR	HSC70	NTC-02		76.00
G10	SYBR	HSC70	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:E1, E2, E9, E10, E11, E12, F1, F2, F9, F10, G1, G2.	False	