



# sam\_2018-10-18 10-03-33\_BR006896\_Prx6.pcrd

10/18/2018 13:25

## Report Information

User: BioRad/sam

Data File Name: sam\_2018-10-18 10-03-33\_BR006896\_Prx6.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 10:03

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 DNMT1 D01-C	*Unk-1 DNMT1 D01-C	*Unk-2 DNMT1 D02-C	*Unk-2 DNMT1 D02-C	*Unk-3 DNMT1 D09-C	*Unk-3 DNMT1 D09-C	*Unk-4 DNMT1 D10-C	*Unk-4 DNMT1 D10-C	*Unk-5 DNMT1 D11-C	*Unk-5 DNMT1 D11-C	*Unk-6 DNMT1 D12-C	*Unk-6 DNMT1 D12-C
B	*Unk-7 DNMT1 D19-C	*Unk-7 DNMT1 D19-C	*Unk-8 DNMT1 D20-C	*Unk-8 DNMT1 D20-C	*Unk-9 DNMT1 T01-C	*Unk-9 DNMT1 T01-C	*Unk-10 DNMT1 T02-C	*Unk-10 DNMT1 T02-C	*Unk-11 DNMT1 T09-C	*Unk-11 DNMT1 T09-C	*Unk-12 DNMT1 T10-C	*Unk-12 DNMT1 T10-C
C	*Unk-13 DNMT1 T11-C	*Unk-13 DNMT1 T11-C	*Unk-14 DNMT1 T12-C	*Unk-14 DNMT1 T12-C	*Unk-15 DNMT1 T19-C	*Unk-15 DNMT1 T19-C	*Unk-16 DNMT1 T20-C	*Unk-16 DNMT1 T20-C	*NTC-1 DNMT1	*NTC-1 DNMT1		
D												
E	Unk-17 Prx6 D01-C	Unk-17 Prx6 D01-C	Unk-18 Prx6 D02-C	Unk-18 Prx6 D02-C	Unk-19 Prx6 D09-C	Unk-19 Prx6 D09-C	Unk-20 Prx6 D10-C	Unk-20 Prx6 D10-C	Unk-21 Prx6 D11-C	Unk-21 Prx6 D11-C	Unk-22 Prx6 D12-C	Unk-22 Prx6 D12-C
F	Unk-23 Prx6 D19-C	Unk-23 Prx6 D19-C	Unk-24 Prx6 D20-C	Unk-24 Prx6 D20-C	Unk-25 Prx6 T01-C	Unk-25 Prx6 T01-C	Unk-26 Prx6 T02-C	Unk-26 Prx6 T02-C	Unk-27 Prx6 T09-C	Unk-27 Prx6 T09-C	Unk-28 Prx6 T10-C	Unk-28 Prx6 T10-C

## Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	Unk-29 Prx6 T11-C	Unk-29 Prx6 T11-C	Unk-30 Prx6 T12-C	Unk-30 Prx6 T12-C	Unk-31 Prx6 T19-C	Unk-31 Prx6 T19-C	Unk-32 Prx6 T20-C	Unk-32 Prx6 T20-C	NTC-2 Prx6	NTC-2 Prx6		
H												

## Quantification

Step #: 3

Analysis Mode: Fluorophore

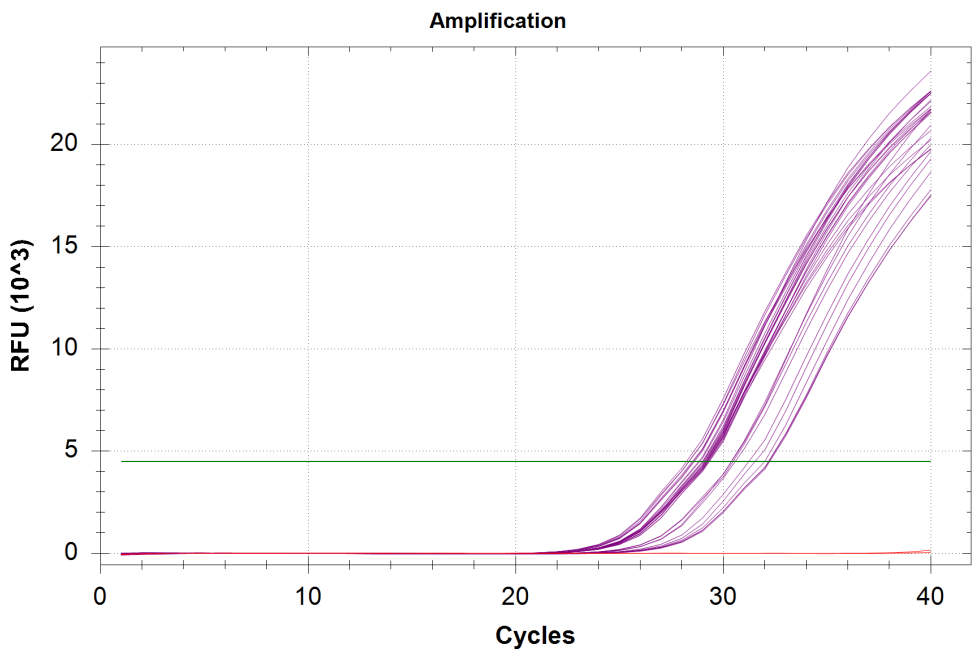
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 4484.27, Auto Calculated



## Quantification Data

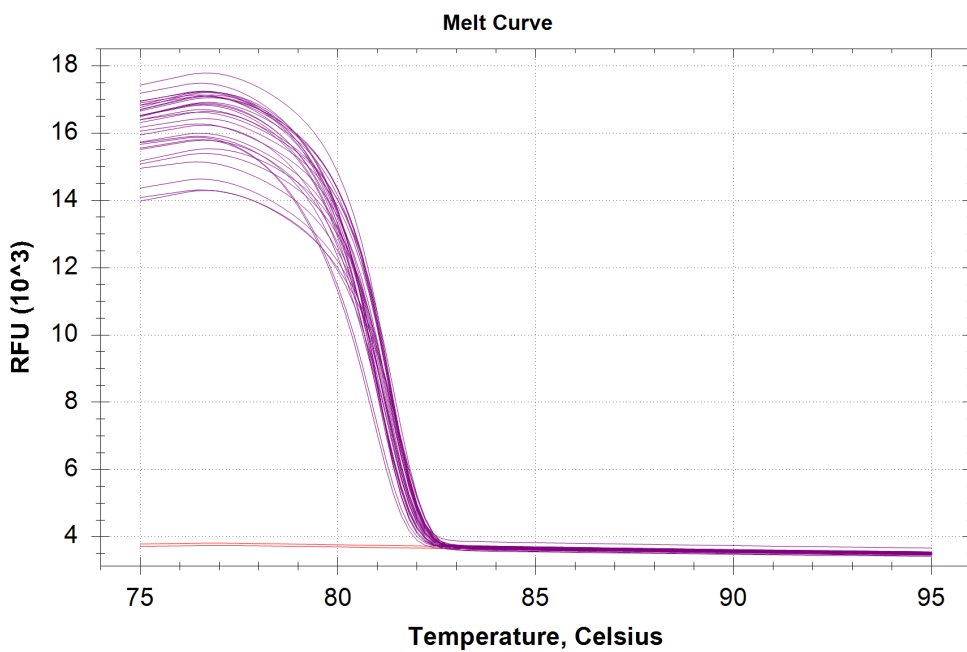
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E01	SYBR	Prx6	Unkn-17	D01-C	29.16	29.21	0.069
E02	SYBR	Prx6	Unkn-17	D01-C	29.26	29.21	0.069
E03	SYBR	Prx6	Unkn-18	D02-C	29.22	29.22	0.002
E04	SYBR	Prx6	Unkn-18	D02-C	29.22	29.22	0.002
E05	SYBR	Prx6	Unkn-19	D09-C	32.19	32.09	0.141
E06	SYBR	Prx6	Unkn-19	D09-C	31.99	32.09	0.141
E07	SYBR	Prx6	Unkn-20	D10-C	32.17	32.20	0.045
E08	SYBR	Prx6	Unkn-20	D10-C	32.23	32.20	0.045
E09	SYBR	Prx6	Unkn-21	D11-C	30.46	30.42	0.061
E10	SYBR	Prx6	Unkn-21	D11-C	30.38	30.42	0.061
E11	SYBR	Prx6	Unkn-22	D12-C	29.11	29.12	0.007
E12	SYBR	Prx6	Unkn-22	D12-C	29.12	29.12	0.007
F01	SYBR	Prx6	Unkn-23	D19-C	31.52	31.37	0.210

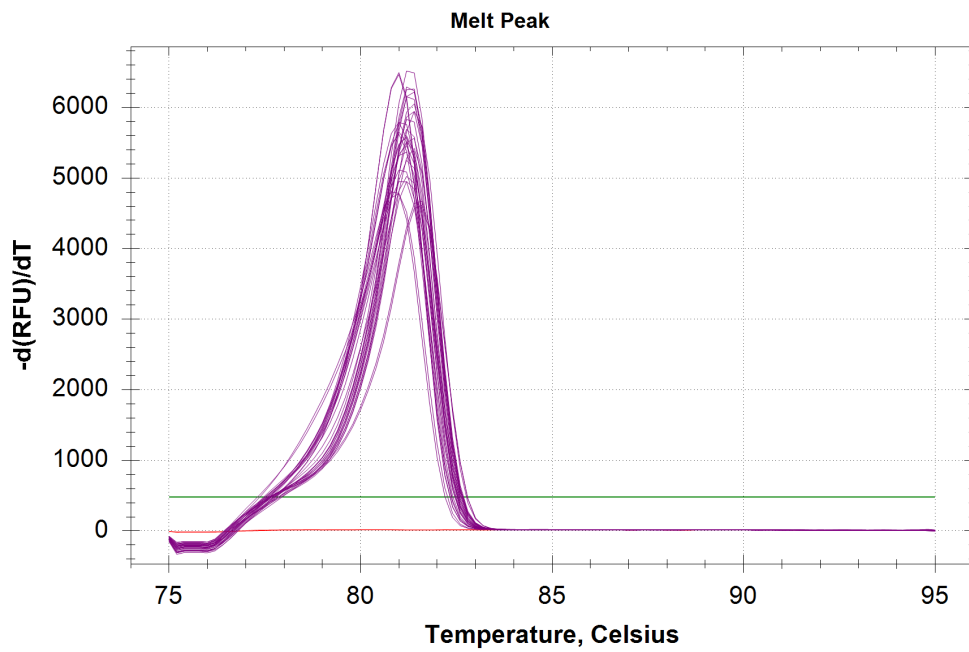
## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F02	SYBR	Prx6	Unkn-23	D19-C	31.22	31.37	0.210
F03	SYBR	Prx6	Unkn-24	D20-C	28.86	28.83	0.040
F04	SYBR	Prx6	Unkn-24	D20-C	28.80	28.83	0.040
F05	SYBR	Prx6	Unkn-25	T01-C	28.55	28.57	0.032
F06	SYBR	Prx6	Unkn-25	T01-C	28.60	28.57	0.032
F07	SYBR	Prx6	Unkn-26	T02-C	29.06	29.03	0.051
F08	SYBR	Prx6	Unkn-26	T02-C	28.99	29.03	0.051
F09	SYBR	Prx6	Unkn-27	T09-C	29.32	29.30	0.028
F10	SYBR	Prx6	Unkn-27	T09-C	29.28	29.30	0.028
F11	SYBR	Prx6	Unkn-28	T10-C	29.22	29.17	0.069
F12	SYBR	Prx6	Unkn-28	T10-C	29.12	29.17	0.069
G01	SYBR	Prx6	Unkn-29	T11-C	30.57	30.48	0.128
G02	SYBR	Prx6	Unkn-29	T11-C	30.39	30.48	0.128
G03	SYBR	Prx6	Unkn-30	T12-C	29.18	29.10	0.113
G04	SYBR	Prx6	Unkn-30	T12-C	29.02	29.10	0.113
G05	SYBR	Prx6	Unkn-31	T19-C	28.22	28.28	0.081
G06	SYBR	Prx6	Unkn-31	T19-C	28.34	28.28	0.081
G07	SYBR	Prx6	Unkn-32	T20-C	28.50	28.42	0.114
G08	SYBR	Prx6	Unkn-32	T20-C	28.34	28.42	0.114
G09	SYBR	Prx6	NTC-02		N/A	0.00	0.000
G10	SYBR	Prx6	NTC-02		N/A	0.00	0.000

## Melt Curve

Step #: 5





**Melt Curve Data**

Well	Fluor	Target	Content	Sample	Melt Temp
E01	SYBR	Prx6	Unkn-17	D01-C	81.00
E02	SYBR	Prx6	Unkn-17	D01-C	80.80
E03	SYBR	Prx6	Unkn-18	D02-C	81.00
E04	SYBR	Prx6	Unkn-18	D02-C	81.20
E05	SYBR	Prx6	Unkn-19	D09-C	81.20
E06	SYBR	Prx6	Unkn-19	D09-C	81.20
E07	SYBR	Prx6	Unkn-20	D10-C	81.60
E08	SYBR	Prx6	Unkn-20	D10-C	81.60
E09	SYBR	Prx6	Unkn-21	D11-C	81.20
E10	SYBR	Prx6	Unkn-21	D11-C	81.20
E11	SYBR	Prx6	Unkn-22	D12-C	81.40
E12	SYBR	Prx6	Unkn-22	D12-C	81.40
F01	SYBR	Prx6	Unkn-23	D19-C	81.40
F02	SYBR	Prx6	Unkn-23	D19-C	81.40
F03	SYBR	Prx6	Unkn-24	D20-C	81.40
F04	SYBR	Prx6	Unkn-24	D20-C	81.20
F05	SYBR	Prx6	Unkn-25	T01-C	81.00
F06	SYBR	Prx6	Unkn-25	T01-C	81.00
F07	SYBR	Prx6	Unkn-26	T02-C	81.20
F08	SYBR	Prx6	Unkn-26	T02-C	81.20
F09	SYBR	Prx6	Unkn-27	T09-C	81.20
F10	SYBR	Prx6	Unkn-27	T09-C	81.20
F11	SYBR	Prx6	Unkn-28	T10-C	81.00
F12	SYBR	Prx6	Unkn-28	T10-C	81.00
G01	SYBR	Prx6	Unkn-29	T11-C	81.20
G02	SYBR	Prx6	Unkn-29	T11-C	81.20
G03	SYBR	Prx6	Unkn-30	T12-C	81.40
G04	SYBR	Prx6	Unkn-30	T12-C	81.40
G05	SYBR	Prx6	Unkn-31	T19-C	81.00

## Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
G06	SYBR	Prx6	Unkn-31	T19-C	81.00
G07	SYBR	Prx6	Unkn-32	T20-C	81.20
G08	SYBR	Prx6	Unkn-32	T20-C	81.20
G09	SYBR	Prx6	NTC-02		None
G10	SYBR	Prx6	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 <sup>2</sup> less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True	SYBR:F1, F2.	False	