



# sam\_2023-07-19 11-54-14\_CFX96.pcrd

07/20/2023 07:40

## Report Information

User: BioRad/sam

Data File Name: sam\_2023-07-19 11-54-14\_CFX96.pcrd

Data File Path: C:\Users\Samb\Downloads\20230719-qPCR

Well Group Name: All Wells

Report Differs from Last Save: No

## Run Setup

### Run Information

Run Date: 07/19/2023 11:54

Run User: sam

Run Type: User-defined

Plate File: BW Plate.pltd

ID:

Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: CC009827

Optical Head Serial Number: 785BR3659

### Protocol

1: 95.0°C for 0:30

2: 95.0°C for 0:03

3: 60.0°C for 0:05

Plate Read

4: GOTO 2, 39 more times

5: Melt Curve 65.0°C to 95.0°C: Increment 0.5°C 0:05

Plate Read

### Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk Cg_HSP70( 598/9) NTC1_cteni dia	Unk Cg_HSP70( 598/9) NTC2_cteni dia	Unk Cg_HSP70( 598/9) NTH1_cteni dia	Unk Cg_HSP70( 598/9) NTH2_cteni dia	Unk Cg_HSP70( 598/9) NTHM1_cte nidia	Unk Cg_HSP70( 598/9) NTHM2_cte nidia	Unk Cg_HSP70( 598/9) NTM1_cteni dia	Unk Cg_HSP70( 598/9) NTM2_cten dia	Unk Cg_HSP70( 598/9) TC1_ctenidi a	Unk Cg_HSP70( 598/9) TC2_ctenidi a	Unk Cg_HSP70( 598/9) TH1_ctenidi a	Unk Cg_HSP70( 598/9) TH2_ctenidi a
B	Unk Cg_HSP70( 598/9) THM1_cteni dia	Unk Cg_HSP70( 598/9) THM2_cteni dia	Unk Cg_HSP70( 598/9) TM1_ctendi a	Unk Cg_HSP70( 598/9) TM2_ctenidi a	NTC-1 Cg_HSP70( 598/9)	NTC-1 Cg_HSP70( 598/9)	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Std FAM	*Std FAM
C	Unk Cg_HSP90( 1532/3) NTC1_cteni dia	Unk Cg_HSP90( 1532/3) NTC2_cteni dia	Unk Cg_HSP90( 1532/3) NTH1_cteni dia	Unk Cg_HSP90( 1532/3) NTH2_cteni dia	Unk Cg_HSP90( 1532/3) NTHM1_cte nidia	Unk Cg_HSP90( 1532/3) NTHM2_cte nidia	Unk Cg_HSP90( 1532/3) NTM1_cteni dia	Unk Cg_HSP90( 1532/3) NTM2_cten dia	Unk Cg_HSP90( 1532/3) TC1_ctenidi a	Unk Cg_HSP90( 1532/3) TC2_ctenidi a	Unk Cg_HSP90( 1532/3) TH1_ctenidi a	Unk Cg_HSP90( 1532/3) TH2_ctenidi a

## Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk Cg_HSP90(1532/3) THM1_ctenidia	Unk Cg_HSP90(1532/3) THM2_ctenidia	Unk Cg_HSP90(1532/3) TM1_ctenidia	Unk Cg_HSP90(1532/3) TM2_ctenidia	NTC-2 Cg_HSP90(1532/3)	NTC-2 Cg_HSP90(1532/3)	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Std FAM	*Std FAM
E	Unk Cg_VIPERIN(1828/9) NTC1_ctenidia	Unk Cg_VIPERIN(1828/9) NTC2_ctenidia	Unk Cg_VIPERIN(1828/9) NTH1_ctenidia	Unk Cg_VIPERIN(1828/9) NTH2_ctenidia	Unk Cg_VIPERIN(1828/9) NTHM1_ctenidia	Unk Cg_VIPERIN(1828/9) NTHM2_ctenidia	Unk Cg_VIPERIN(1828/9) NTM1_ctenidia	Unk Cg_VIPERIN(1828/9) NTM2_ctenidia	Unk Cg_VIPERIN(1828/9) TC1_ctenidia	Unk Cg_VIPERIN(1828/9) TC2_ctenidia	Unk Cg_VIPERIN(1828/9) TH1_ctenidia	Unk Cg_VIPERIN(1828/9) TH2_ctenidia
F	Unk Cg_VIPERIN(1828/9) THM1_ctenidia	Unk Cg_VIPERIN(1828/9) THM2_ctenidia	Unk Cg_VIPERIN(1828/9) TM1_ctenidia	Unk Cg_VIPERIN(1828/9) TM2_ctenidia	NTC-3 Cg_VIPERIN(1828/9)	NTC-3 Cg_VIPERIN(1828/9)	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Std FAM	*Std FAM
G	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Pos FAM	*Pos FAM
H	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*Unk FAM	*NTC FAM	*NTC FAM

## Quantification

Step #: 3

Analysis Mode: Target

Cq Determination: Single Threshold

Baseline Method:

Cg\_VIPERIN(1828/9): Auto Calculated

Cg\_HSP90(1532/3): Auto Calculated

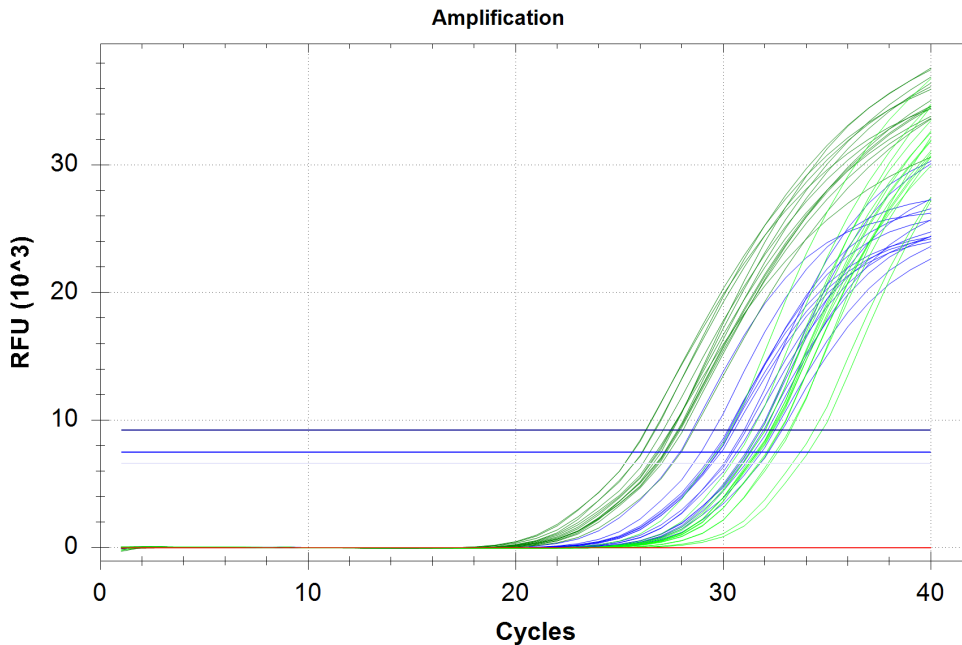
Cg\_HSP70(598/9): Auto Calculated

Threshold Setting:

Cg\_VIPERIN(1828/9): 9225.35, Auto Calculated

Cg\_HSP90(1532/3): 6587.46, Auto Calculated

Cg\_HSP70(598/9): 7476.01, Auto Calculated



## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	FAM	Cg_HSP70(598/9)	Unkn	NTC1_ctenidia	31.17	31.17	0.000

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A02	FAM	Cg_HSP70(598/9)	Unkn	NTC2_ctenidia	28.92	28.92	0.000
A03	FAM	Cg_HSP70(598/9)	Unkn	NTH1_ctenidia	29.76	29.76	0.000
A04	FAM	Cg_HSP70(598/9)	Unkn	NTH2_ctenidia	29.63	29.63	0.000
A05	FAM	Cg_HSP70(598/9)	Unkn	NTHM1_ctenidia	27.91	27.91	0.000
A06	FAM	Cg_HSP70(598/9)	Unkn	NTHM2_ctenidia	29.54	29.54	0.000
A07	FAM	Cg_HSP70(598/9)	Unkn	NTM1_ctenidia	31.83	31.83	0.000
A08	FAM	Cg_HSP70(598/9)	Unkn	NTM2_ctendia	31.26	31.26	0.000
A09	FAM	Cg_HSP70(598/9)	Unkn	TC1_ctenidia	30.45	30.45	0.000
A10	FAM	Cg_HSP70(598/9)	Unkn	TC2_ctendia	29.75	29.75	0.000
A11	FAM	Cg_HSP70(598/9)	Unkn	TH1_ctenidia	32.17	32.17	0.000
A12	FAM	Cg_HSP70(598/9)	Unkn	TH2_ctenidia	29.90	29.90	0.000
B01	FAM	Cg_HSP70(598/9)	Unkn	THM1_ctenidia	31.08	31.08	0.000
B02	FAM	Cg_HSP70(598/9)	Unkn	THM2_ctenidia	30.36	30.36	0.000
B03	FAM	Cg_HSP70(598/9)	Unkn	TM1_ctendia	31.45	31.45	0.000
B04	FAM	Cg_HSP70(598/9)	Unkn	TM2_ctenidia	30.64	30.64	0.000
B05	FAM	Cg_HSP70(598/9)	NTC-1		N/A	0.00	0.000
B06	FAM	Cg_HSP70(598/9)	NTC-1		N/A	0.00	0.000
C01	FAM	Cg_HSP90(1532/3)	Unkn	NTC1_ctenidia	26.62	26.62	0.000
C02	FAM	Cg_HSP90(1532/3)	Unkn	NTC2_ctenidia	26.51	26.51	0.000
C03	FAM	Cg_HSP90(1532/3)	Unkn	NTH1_ctenidia	25.69	25.69	0.000
C04	FAM	Cg_HSP90(1532/3)	Unkn	NTH2_ctenidia	26.84	26.84	0.000
C05	FAM	Cg_HSP90(1532/3)	Unkn	NTHM1_ctenidia	26.12	26.12	0.000
C06	FAM	Cg_HSP90(1532/3)	Unkn	NTHM2_ctenidia	26.46	26.46	0.000
C07	FAM	Cg_HSP90(1532/3)	Unkn	NTM1_ctenidia	26.91	26.91	0.000
C08	FAM	Cg_HSP90(1532/3)	Unkn	NTM2_ctendia	26.38	26.38	0.000
C09	FAM	Cg_HSP90(1532/3)	Unkn	TC1_ctenidia	27.56	27.56	0.000
C10	FAM	Cg_HSP90(1532/3)	Unkn	TC2_ctendia	25.24	25.24	0.000
C11	FAM	Cg_HSP90(1532/3)	Unkn	TH1_ctenidia	27.03	27.03	0.000
C12	FAM	Cg_HSP90(1532/3)	Unkn	TH2_ctenidia	26.79	26.79	0.000
D01	FAM	Cg_HSP90(1532/3)	Unkn	THM1_ctenidia	25.70	25.70	0.000
D02	FAM	Cg_HSP90(1532/3)	Unkn	THM2_ctenidia	26.76	26.76	0.000
D03	FAM	Cg_HSP90(1532/3)	Unkn	TM1_ctendia	25.25	25.25	0.000
D04	FAM	Cg_HSP90(1532/3)	Unkn	TM2_ctenidia	N/A	0.00	0.000
D05	FAM	Cg_HSP90(1532/3)	NTC-2		N/A	0.00	0.000
D06	FAM	Cg_HSP90(1532/3)	NTC-2		N/A	0.00	0.000
E01	FAM	Cg_VIPERIN(1828/9)	Unkn	NTC1_ctenidia	31.39	31.39	0.000
E02	FAM	Cg_VIPERIN(1828/9)	Unkn	NTC2_ctenidia	33.25	33.25	0.000
E03	FAM	Cg_VIPERIN(1828/9)	Unkn	NTH1_ctenidia	32.03	32.03	0.000
E04	FAM	Cg_VIPERIN(1828/9)	Unkn	NTH2_ctenidia	31.82	31.82	0.000
E05	FAM	Cg_VIPERIN(1828/9)	Unkn	NTHM1_ctenidia	32.77	32.77	0.000
E06	FAM	Cg_VIPERIN(1828/9)	Unkn	NTHM2_ctenidia	32.03	32.03	0.000
E07	FAM	Cg_VIPERIN(1828/9)	Unkn	NTM1_ctenidia	30.33	30.33	0.000
E08	FAM	Cg_VIPERIN(1828/9)	Unkn	NTM2_ctendia	32.28	32.28	0.000
E09	FAM	Cg_VIPERIN(1828/9)	Unkn	TC1_ctenidia	34.77	34.77	0.000
E10	FAM	Cg_VIPERIN(1828/9)	Unkn	TC2_ctendia	32.73	32.73	0.000
E11	FAM	Cg_VIPERIN(1828/9)	Unkn	TH1_ctenidia	34.37	34.37	0.000
E12	FAM	Cg_VIPERIN(1828/9)	Unkn	TH2_ctenidia	32.37	32.37	0.000
F01	FAM	Cg_VIPERIN(1828/9)	Unkn	THM1_ctenidia	32.31	32.31	0.000
F02	FAM	Cg_VIPERIN(1828/9)	Unkn	THM2_ctenidia	33.18	33.18	0.000

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F03	FAM	Cg_VIPERIN(1828/9)	Unkn	TM1_ctendia	32.41	32.41	0.000
F04	FAM	Cg_VIPERIN(1828/9)	Unkn	TM2_ctendia	32.26	32.26	0.000
F05	FAM	Cg_VIPERIN(1828/9)	NTC-3		N/A	0.00	0.000
F06	FAM	Cg_VIPERIN(1828/9)	NTC-3		N/A	0.00	0.000

## Bar Chart

Normalized expression analysis is not possible, either because no target is assigned as a reference or the selected target(s) is not a

## Target Names

Name	Full Name	Reference	Auto Efficiency	Efficiency
Cg_HSP70(598/9)	Cg_HSP70(598/9)	False	Yes	100.0%
Cg_HSP90(1532/3)	Cg_HSP90(1532/3)	False	Yes	100.0%
Cg_VIPERIN(1828/9)	Cg_VIPERIN(1828/9)	False	Yes	100.0%

## Sample Names

Name	Full Name	Control
NTC1_ctendia	NTC1_ctendia	No
NTC2_ctendia	NTC2_ctendia	No
NTH1_ctendia	NTH1_ctendia	No
NTH2_ctendia	NTH2_ctendia	No
NTHM1_ctendia	NTHM1_ctendia	No
NTHM2_ctendia	NTHM2_ctendia	No
NTM1_ctendia	NTM1_ctendia	No
NTM2_ctendia	NTM2_ctendia	No
TC1_ctendia	TC1_ctendia	No
TC2_ctendia	TC2_ctendia	No
TH1_ctendia	TH1_ctendia	No
TH2_ctendia	TH2_ctendia	No
THM1_ctendia	THM1_ctendia	No
THM2_ctendia	THM2_ctendia	No
TM1_ctendia	TM1_ctendia	No
TM2_ctendia	TM2_ctendia	No

## Gene Expression - Bar Chart Data

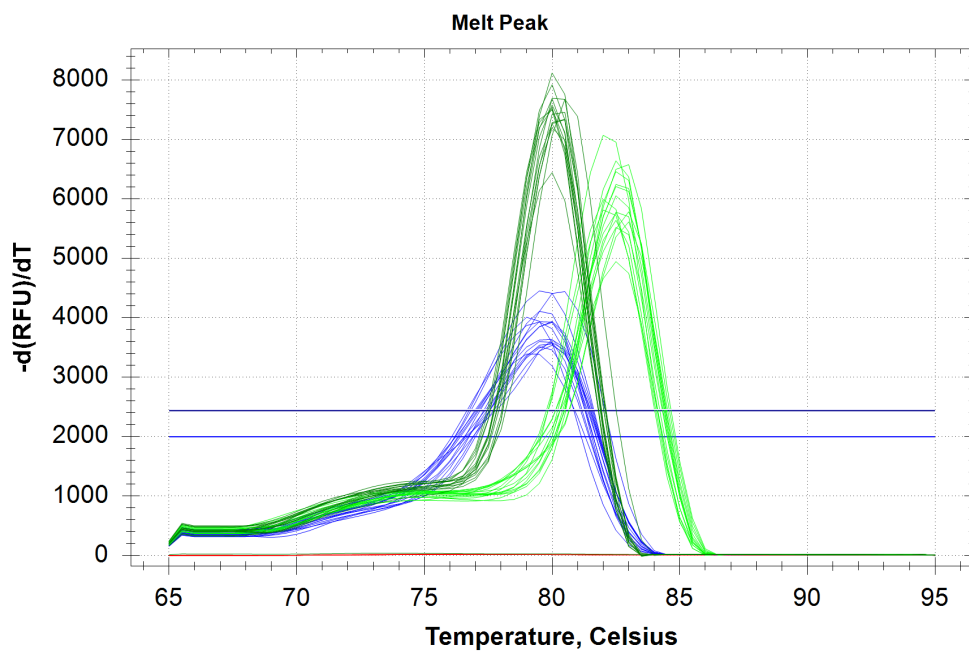
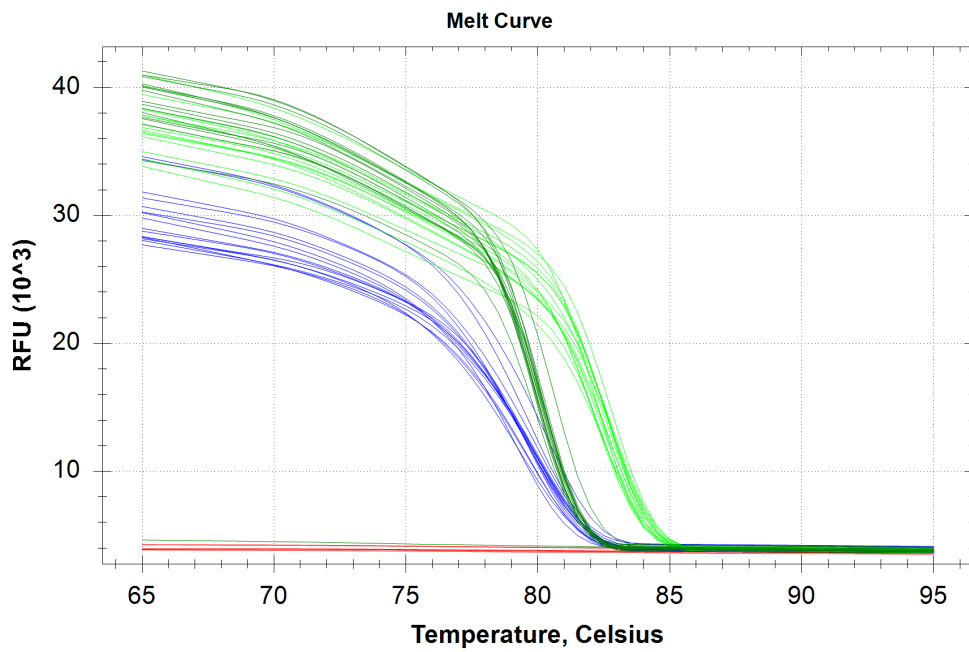
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_HSP70(598/9)	NTC1_ctendia		N/A	N/A	N/A	31.17	0.00000	N/A
Cg_HSP70(598/9)	NTC2_ctendia		N/A	N/A	N/A	28.92	0.00000	N/A
Cg_HSP70(598/9)	NTH1_ctendia		N/A	N/A	N/A	29.76	0.00000	N/A
Cg_HSP70(598/9)	NTH2_ctendia		N/A	N/A	N/A	29.63	0.00000	N/A
Cg_HSP70(598/9)	NTHM1_ctendia		N/A	N/A	N/A	27.91	0.00000	N/A
Cg_HSP70(598/9)	NTHM2_ctendia		N/A	N/A	N/A	29.54	0.00000	N/A
Cg_HSP70(598/9)	NTM1_ctendia		N/A	N/A	N/A	31.83	0.00000	N/A
Cg_HSP70(598/9)	NTM2_ctendia		N/A	N/A	N/A	31.26	0.00000	N/A

## Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_HSP70(598/9)	TC1_ctenidia		N/A	N/A	N/A	30.45	0.00000	N/A
Cg_HSP70(598/9)	TC2_ctendia		N/A	N/A	N/A	29.75	0.00000	N/A
Cg_HSP70(598/9)	TH1_ctenidia		N/A	N/A	N/A	32.17	0.00000	N/A
Cg_HSP70(598/9)	TH2_ctenidia		N/A	N/A	N/A	29.90	0.00000	N/A
Cg_HSP70(598/9)	THM1_ctenidia		N/A	N/A	N/A	31.08	0.00000	N/A
Cg_HSP70(598/9)	THM2_ctenidia		N/A	N/A	N/A	30.36	0.00000	N/A
Cg_HSP70(598/9)	TM1_ctendia		N/A	N/A	N/A	31.45	0.00000	N/A
Cg_HSP70(598/9)	TM2_ctenidia		N/A	N/A	N/A	30.64	0.00000	N/A
Cg_HSP90(1532/3)	NTC1_ctenidia		N/A	N/A	N/A	26.62	0.00000	N/A
Cg_HSP90(1532/3)	NTC2_ctenidia		N/A	N/A	N/A	26.51	0.00000	N/A
Cg_HSP90(1532/3)	NTH1_ctenidia		N/A	N/A	N/A	25.69	0.00000	N/A
Cg_HSP90(1532/3)	NTH2_ctenidia		N/A	N/A	N/A	26.84	0.00000	N/A
Cg_HSP90(1532/3)	NTHM1_ctenidia		N/A	N/A	N/A	26.12	0.00000	N/A
Cg_HSP90(1532/3)	NTHM2_ctenidia		N/A	N/A	N/A	26.46	0.00000	N/A
Cg_HSP90(1532/3)	NTM1_ctenidia		N/A	N/A	N/A	26.91	0.00000	N/A
Cg_HSP90(1532/3)	NTM2_ctendia		N/A	N/A	N/A	26.38	0.00000	N/A
Cg_HSP90(1532/3)	TC1_ctenidia		N/A	N/A	N/A	27.56	0.00000	N/A
Cg_HSP90(1532/3)	TC2_ctendia		N/A	N/A	N/A	25.24	0.00000	N/A
Cg_HSP90(1532/3)	TH1_ctenidia		N/A	N/A	N/A	27.03	0.00000	N/A
Cg_HSP90(1532/3)	TH2_ctenidia		N/A	N/A	N/A	26.79	0.00000	N/A
Cg_HSP90(1532/3)	THM1_ctenidia		N/A	N/A	N/A	25.70	0.00000	N/A
Cg_HSP90(1532/3)	THM2_ctenidia		N/A	N/A	N/A	26.76	0.00000	N/A
Cg_HSP90(1532/3)	TM1_ctendia		N/A	N/A	N/A	25.25	0.00000	N/A
Cg_HSP90(1532/3)	TM2_ctenidia		N/A	N/A	N/A	N/A	N/A	N/A
Cg_VIPERIN(1828/9)	NTC1_ctenidia		N/A	N/A	N/A	31.39	0.00000	N/A
Cg_VIPERIN(1828/9)	NTC2_ctenidia		N/A	N/A	N/A	33.25	0.00000	N/A
Cg_VIPERIN(1828/9)	NTH1_ctenidia		N/A	N/A	N/A	32.03	0.00000	N/A
Cg_VIPERIN(1828/9)	NTH2_ctenidia		N/A	N/A	N/A	31.82	0.00000	N/A
Cg_VIPERIN(1828/9)	NTHM1_ctenidia		N/A	N/A	N/A	32.77	0.00000	N/A
Cg_VIPERIN(1828/9)	NTHM2_ctenidia		N/A	N/A	N/A	32.03	0.00000	N/A
Cg_VIPERIN(1828/9)	NTM1_ctenidia		N/A	N/A	N/A	30.33	0.00000	N/A
Cg_VIPERIN(1828/9)	NTM2_ctendia		N/A	N/A	N/A	32.28	0.00000	N/A
Cg_VIPERIN(1828/9)	TC1_ctenidia		N/A	N/A	N/A	34.77	0.00000	N/A
Cg_VIPERIN(1828/9)	TC2_ctendia		N/A	N/A	N/A	32.73	0.00000	N/A
Cg_VIPERIN(1828/9)	TH1_ctenidia		N/A	N/A	N/A	34.37	0.00000	N/A
Cg_VIPERIN(1828/9)	TH2_ctenidia		N/A	N/A	N/A	32.37	0.00000	N/A
Cg_VIPERIN(1828/9)	THM1_ctenidia		N/A	N/A	N/A	32.31	0.00000	N/A
Cg_VIPERIN(1828/9)	THM2_ctenidia		N/A	N/A	N/A	33.18	0.00000	N/A
Cg_VIPERIN(1828/9)	TM1_ctendia		N/A	N/A	N/A	32.41	0.00000	N/A
Cg_VIPERIN(1828/9)	TM2_ctenidia		N/A	N/A	N/A	32.26	0.00000	N/A

## Melt Curve

Step #: 5



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	FAM	Cg_HSP70(598/9)	Unkn	NTC1_ctenidia	80.00
A02	FAM	Cg_HSP70(598/9)	Unkn	NTC2_ctenidia	79.50
A03	FAM	Cg_HSP70(598/9)	Unkn	NTH1_ctenidia	79.50
A04	FAM	Cg_HSP70(598/9)	Unkn	NTH2_ctenidia	79.00
A05	FAM	Cg_HSP70(598/9)	Unkn	NTHM1_ctenidia	80.00
A06	FAM	Cg_HSP70(598/9)	Unkn	NTHM2_ctenidia	79.00
A07	FAM	Cg_HSP70(598/9)	Unkn	NTM1_ctenidia	80.00
A08	FAM	Cg_HSP70(598/9)	Unkn	NTM2_ctenidia	80.00
A09	FAM	Cg_HSP70(598/9)	Unkn	TC1_ctenidia	80.00

## Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A10	FAM	Cg_HSP70(598/9)	Unkn	TC2_ctendia	80.00
A11	FAM	Cg_HSP70(598/9)	Unkn	TH1_ctendia	79.50
A12	FAM	Cg_HSP70(598/9)	Unkn	TH2_ctendia	80.00
B01	FAM	Cg_HSP70(598/9)	Unkn	THM1_ctendia	80.50
B02	FAM	Cg_HSP70(598/9)	Unkn	THM2_ctendia	79.50
B03	FAM	Cg_HSP70(598/9)	Unkn	TM1_ctendia	79.50
B04	FAM	Cg_HSP70(598/9)	Unkn	TM2_ctendia	79.50
B05	FAM	Cg_HSP70(598/9)	NTC-1		None
B06	FAM	Cg_HSP70(598/9)	NTC-1		None
C01	FAM	Cg_HSP90(1532/3)	Unkn	NTC1_ctendia	80.50
C02	FAM	Cg_HSP90(1532/3)	Unkn	NTC2_ctendia	80.00
C03	FAM	Cg_HSP90(1532/3)	Unkn	NTH1_ctendia	80.00
C04	FAM	Cg_HSP90(1532/3)	Unkn	NTH2_ctendia	80.50
C05	FAM	Cg_HSP90(1532/3)	Unkn	NTHM1_ctendia	80.00
C06	FAM	Cg_HSP90(1532/3)	Unkn	NTHM2_ctendia	80.00
C07	FAM	Cg_HSP90(1532/3)	Unkn	NTM1_ctendia	80.50
C08	FAM	Cg_HSP90(1532/3)	Unkn	NTM2_ctendia	80.00
C09	FAM	Cg_HSP90(1532/3)	Unkn	TC1_ctendia	80.50
C10	FAM	Cg_HSP90(1532/3)	Unkn	TC2_ctendia	80.00
C11	FAM	Cg_HSP90(1532/3)	Unkn	TH1_ctendia	80.00
C12	FAM	Cg_HSP90(1532/3)	Unkn	TH2_ctendia	80.00
D01	FAM	Cg_HSP90(1532/3)	Unkn	THM1_ctendia	80.00
D02	FAM	Cg_HSP90(1532/3)	Unkn	THM2_ctendia	80.50
D03	FAM	Cg_HSP90(1532/3)	Unkn	TM1_ctendia	80.00
D04	FAM	Cg_HSP90(1532/3)	Unkn	TM2_ctendia	None
D05	FAM	Cg_HSP90(1532/3)	NTC-2		None
D06	FAM	Cg_HSP90(1532/3)	NTC-2		None
E01	FAM	Cg_VIPERIN(1828/9)	Unkn	NTC1_ctendia	83.00
E02	FAM	Cg_VIPERIN(1828/9)	Unkn	NTC2_ctendia	82.50
E03	FAM	Cg_VIPERIN(1828/9)	Unkn	NTH1_ctendia	82.50
E04	FAM	Cg_VIPERIN(1828/9)	Unkn	NTH2_ctendia	82.50
E05	FAM	Cg_VIPERIN(1828/9)	Unkn	NTHM1_ctendia	82.50
E06	FAM	Cg_VIPERIN(1828/9)	Unkn	NTHM2_ctendia	82.50
E07	FAM	Cg_VIPERIN(1828/9)	Unkn	NTM1_ctendia	82.00
E08	FAM	Cg_VIPERIN(1828/9)	Unkn	NTM2_ctendia	82.50
E09	FAM	Cg_VIPERIN(1828/9)	Unkn	TC1_ctendia	82.50
E10	FAM	Cg_VIPERIN(1828/9)	Unkn	TC2_ctendia	82.50
E11	FAM	Cg_VIPERIN(1828/9)	Unkn	TH1_ctendia	82.50
E12	FAM	Cg_VIPERIN(1828/9)	Unkn	TH2_ctendia	82.50
F01	FAM	Cg_VIPERIN(1828/9)	Unkn	THM1_ctendia	83.00
F02	FAM	Cg_VIPERIN(1828/9)	Unkn	THM2_ctendia	83.00
F03	FAM	Cg_VIPERIN(1828/9)	Unkn	TM1_ctendia	82.00
F04	FAM	Cg_VIPERIN(1828/9)	Unkn	TM2_ctendia	82.00
F05	FAM	Cg_VIPERIN(1828/9)	NTC-3		None
F06	FAM	Cg_VIPERIN(1828/9)	NTC-3		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	Cg_HSP90(1532/3):D4.	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	Cg_HSP70(598/9), Cg_HSP90(1532/3), Cg_VIPERIN(1828/9)		
Replicate group Cq Std Dev greater than	0.20	True		False	