



sam_2023-07-21_10-31-19_Connect.pcrd

07/22/2023 10:33

Report Information

User: BioRad/sam

Data File Name: sam_2023-07-21_10-31-19_Connect.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: 07/21/2023 10:31

Run User: sam

Run Type: User-defined

Plate File: Sample Plate_96 wells_SYBR.pltd

ID:

Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: BR006896

Optical Head Serial Number: 788BR07000

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_18s(140 8/9) NTC1_cteni dia	Unk Cg_18s(140 8/9) NTC2_cteni dia	Unk Cg_18s(140 8/9) NTH1_cteni dia	Unk Cg_18s(140 8/9) NTH2_cteni dia	Unk Cg_18s(140 8/9) NTHM1_cte nidia	Unk Cg_18s(140 8/9) NTHM2_cte nidia	Unk Cg_18s(140 8/9) NTM1_cteni dia	Unk Cg_18s(140 8/9) NTM2_cten dia	Unk Cg_18s(140 8/9) TC1_ctenidi a	Unk Cg_18s(140 8/9) TC2_ctenidi a	Unk Cg_18s(140 8/9) TH1_ctenidi a	Unk Cg_18s(140 8/9) TH2_ctenidi a
B	Unk Cg_18s(140 8/9) THM1_cteni dia	Unk Cg_18s(140 8/9) THM2_cteni dia	Unk Cg_18s(140 8/9) TM1_ctendi a	Unk Cg_18s(140 8/9) TM2_ctenidi a	NTC-1 Cg_18s(140 8/9)	NTC-1 Cg_18s(140 8/9)	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
C	Unk Cg_Actin(1 170/1) NTC1_cteni dia	Unk Cg_Actin(1 170/1) NTC2_cteni dia	Unk Cg_Actin(1 170/1) NTH1_cteni dia	Unk Cg_Actin(1 170/1) NTH2_cteni dia	Unk Cg_Actin(1 170/1) NTHM1_cte nidia	Unk Cg_Actin(1 170/1) NTHM2_cte nidia	Unk Cg_Actin(1 170/1) NTM1_cteni dia	Unk Cg_Actin(1 170/1) NTM2_cten dia	Unk Cg_Actin(1 170/1) TC1_ctenidi a	Unk Cg_Actin(1 170/1) TC2_ctenidi a	Unk Cg_Actin(1 170/1) TH1_ctenidi a	Unk Cg_Actin(1 170/1) TH2_ctenidi a

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk Cg_Actin(170/1) THM1_ctenidia	Unk Cg_Actin(170/1) THM2_ctenidia	Unk Cg_Actin(170/1) TM1_ctenidia	Unk Cg_Actin(170/1) TM2_ctenidia	NTC-2 Cg_Actin(170/1)	NTC-2 Cg_Actin(170/1)	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
E	Unk Cg_Def(1160/1) NTC1_ctenidia	Unk Cg_Def(1160/1) NTC2_ctenidia	Unk Cg_Def(1160/1) NTH1_ctenidia	Unk Cg_Def(1160/1) NTH2_ctenidia	Unk Cg_Def(1160/1) NTHM1_ctenidia	Unk Cg_Def(1160/1) NTHM2_ctenidia	Unk Cg_Def(1160/1) NTM1_ctenidia	Unk Cg_Def(1160/1) NTM2_ctenidia	Unk Cg_Def(1160/1) TC1_ctenidia	Unk Cg_Def(1160/1) TC2_ctenidia	Unk Cg_Def(1160/1) TH1_ctenidia	Unk Cg_Def(1160/1) TH2_ctenidia
F	Unk Cg_Def(1160/1) THM1_ctenidia	Unk Cg_Def(1160/1) THM2_ctenidia	Unk Cg_Def(1160/1) TM1_ctenidia	Unk Cg_Def(1160/1) TM2_ctenidia	NTC-3 Cg_Def(1160/1)	NTC-3 Cg_Def(1160/1)	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
G	Unk IL-17_internal(256/7) NTC1_ctenidia	Unk IL-17_internal(256/7) NTC2_ctenidia	Unk IL-17_internal(256/7) NTH1_ctenidia	Unk IL-17_internal(256/7) NTH2_ctenidia	Unk IL-17_internal(256/7) NTHM1_ctenidia	Unk IL-17_internal(256/7) NTHM2_ctenidia	Unk IL-17_internal(256/7) NTM1_ctenidia	Unk IL-17_internal(256/7) NTM2_ctenidia	Unk IL-17_internal(256/7) TC1_ctenidia	Unk IL-17_internal(256/7) TC2_ctenidia	Unk IL-17_internal(256/7) TH1_ctenidia	Unk IL-17_internal(256/7) TH2_ctenidia
H	Unk IL-17_internal(256/7) THM1_ctenidia	Unk IL-17_internal(256/7) THM2_ctenidia	Unk IL-17_internal(256/7) TM1_ctenidia	Unk IL-17_internal(256/7) TM2_ctenidia	NTC-4 IL-17_internal(256/7)	NTC-4 IL-17_internal(256/7)	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR

Quantification

Step #: 3

Analysis Mode: Target

Cq Determination: Single Threshold

Baseline Method:

Cg_Def(1160/1): Auto Calculated

Cg_Actin(1170/1): Auto Calculated

Cg_18s(1408/9): Auto Calculated

IL-17_internal(256/7): Auto Calculated

Threshold Setting:

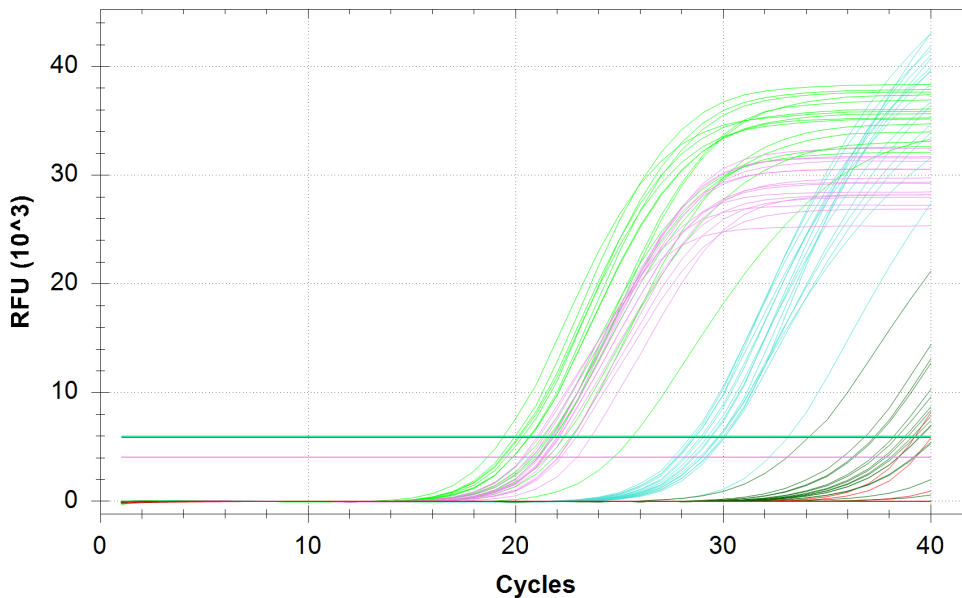
Cg_Def(1160/1): 5905.97, Auto Calculated

Cg_Actin(1170/1): 4039.23, Auto Calculated

Cg_18s(1408/9): 5968.54, Auto Calculated

IL-17_internal(256/7): 5924.74, Auto Calculated

Amplification



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_18s(1408/9)	Unkn	NTC1_ctenidia	21.86	21.86	0.000
A02	SYBR	Cg_18s(1408/9)	Unkn	NTC2_ctenidia	19.41	19.41	0.000
A03	SYBR	Cg_18s(1408/9)	Unkn	NTH1_ctenidia	20.13	20.13	0.000
A04	SYBR	Cg_18s(1408/9)	Unkn	NTH2_ctenidia	20.20	20.20	0.000
A05	SYBR	Cg_18s(1408/9)	Unkn	NTHM1_ctenidia	20.65	20.65	0.000
A06	SYBR	Cg_18s(1408/9)	Unkn	NTHM2_ctenidia	20.34	20.34	0.000
A07	SYBR	Cg_18s(1408/9)	Unkn	NTM1_ctenidia	21.66	21.66	0.000
A08	SYBR	Cg_18s(1408/9)	Unkn	NTM2_ctendia	19.97	19.97	0.000
A09	SYBR	Cg_18s(1408/9)	Unkn	TC1_ctenidia	20.69	20.69	0.000
A10	SYBR	Cg_18s(1408/9)	Unkn	TC2_ctendia	20.69	20.69	0.000
A11	SYBR	Cg_18s(1408/9)	Unkn	TH1_ctenidia	22.67	22.67	0.000
A12	SYBR	Cg_18s(1408/9)	Unkn	TH2_ctenidia	21.86	21.86	0.000
B01	SYBR	Cg_18s(1408/9)	Unkn	THM1_ctenidia	25.62	25.62	0.000
B02	SYBR	Cg_18s(1408/9)	Unkn	THM2_ctenidia	22.36	22.36	0.000
B03	SYBR	Cg_18s(1408/9)	Unkn	TM1_ctendia	21.58	21.58	0.000
B04	SYBR	Cg_18s(1408/9)	Unkn	TM2_ctenidia	21.30	21.30	0.000
B05	SYBR	Cg_18s(1408/9)	NTC-1		39.23	39.23	0.000
B06	SYBR	Cg_18s(1408/9)	NTC-1		N/A	0.00	0.000
C01	SYBR	Cg_Actin(1170/1)	Unkn	NTC1_ctenidia	21.26	21.26	0.000
C02	SYBR	Cg_Actin(1170/1)	Unkn	NTC2_ctenidia	21.13	21.13	0.000
C03	SYBR	Cg_Actin(1170/1)	Unkn	NTH1_ctenidia	21.38	21.38	0.000
C04	SYBR	Cg_Actin(1170/1)	Unkn	NTH2_ctenidia	22.03	22.03	0.000
C05	SYBR	Cg_Actin(1170/1)	Unkn	NTHM1_ctenidia	21.04	21.04	0.000
C06	SYBR	Cg_Actin(1170/1)	Unkn	NTHM2_ctenidia	21.07	21.07	0.000
C07	SYBR	Cg_Actin(1170/1)	Unkn	NTM1_ctenidia	20.77	20.77	0.000
C08	SYBR	Cg_Actin(1170/1)	Unkn	NTM2_ctendia	21.35	21.35	0.000
C09	SYBR	Cg_Actin(1170/1)	Unkn	TC1_ctenidia	22.95	22.95	0.000
C10	SYBR	Cg_Actin(1170/1)	Unkn	TC2_ctendia	21.56	21.56	0.000
C11	SYBR	Cg_Actin(1170/1)	Unkn	TH1_ctenidia	21.31	21.31	0.000
C12	SYBR	Cg_Actin(1170/1)	Unkn	TH2_ctenidia	22.06	22.06	0.000
D01	SYBR	Cg_Actin(1170/1)	Unkn	THM1_ctenidia	20.31	20.31	0.000
D02	SYBR	Cg_Actin(1170/1)	Unkn	THM2_ctenidia	22.18	22.18	0.000
D03	SYBR	Cg_Actin(1170/1)	Unkn	TM1_ctendia	20.63	20.63	0.000
D04	SYBR	Cg_Actin(1170/1)	Unkn	TM2_ctenidia	20.38	20.38	0.000
D05	SYBR	Cg_Actin(1170/1)	NTC-2		N/A	0.00	0.000
D06	SYBR	Cg_Actin(1170/1)	NTC-2		N/A	0.00	0.000
E01	SYBR	Cg_Def(1160/1)	Unkn	NTC1_ctenidia	38.84	38.84	0.000
E02	SYBR	Cg_Def(1160/1)	Unkn	NTC2_ctenidia	37.35	37.35	0.000
E03	SYBR	Cg_Def(1160/1)	Unkn	NTH1_ctenidia	37.26	37.26	0.000
E04	SYBR	Cg_Def(1160/1)	Unkn	NTH2_ctenidia	38.36	38.36	0.000
E05	SYBR	Cg_Def(1160/1)	Unkn	NTHM1_ctenidia	36.80	36.80	0.000
E06	SYBR	Cg_Def(1160/1)	Unkn	NTHM2_ctenidia	38.71	38.71	0.000
E07	SYBR	Cg_Def(1160/1)	Unkn	NTM1_ctenidia	39.44	39.44	0.000
E08	SYBR	Cg_Def(1160/1)	Unkn	NTM2_ctendia	38.18	38.18	0.000
E09	SYBR	Cg_Def(1160/1)	Unkn	TC1_ctenidia	39.47	39.47	0.000
E10	SYBR	Cg_Def(1160/1)	Unkn	TC2_ctendia	39.08	39.08	0.000
E11	SYBR	Cg_Def(1160/1)	Unkn	TH1_ctenidia	N/A	0.00	0.000

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	Cg_Def(1160/1)	Unkn	TH2_ctenidia	34.12	34.12	0.000
F01	SYBR	Cg_Def(1160/1)	Unkn	THM1_ctenidia	N/A	0.00	0.000
F02	SYBR	Cg_Def(1160/1)	Unkn	THM2_ctenidia	N/A	0.00	0.000
F03	SYBR	Cg_Def(1160/1)	Unkn	TM1_ctendia	N/A	0.00	0.000
F04	SYBR	Cg_Def(1160/1)	Unkn	TM2_ctenidia	39.22	39.22	0.000
F05	SYBR	Cg_Def(1160/1)	NTC-3		N/A	0.00	0.000
F06	SYBR	Cg_Def(1160/1)	NTC-3		N/A	0.00	0.000
G01	SYBR	IL-17_internal(256/7)	Unkn	NTC1_ctenidia	29.77	29.77	0.000
G02	SYBR	IL-17_internal(256/7)	Unkn	NTC2_ctenidia	28.54	28.54	0.000
G03	SYBR	IL-17_internal(256/7)	Unkn	NTH1_ctenidia	28.64	28.64	0.000
G04	SYBR	IL-17_internal(256/7)	Unkn	NTH2_ctenidia	28.42	28.42	0.000
G05	SYBR	IL-17_internal(256/7)	Unkn	NTHM1_ctenidia	28.91	28.91	0.000
G06	SYBR	IL-17_internal(256/7)	Unkn	NTHM2_ctenidia	29.03	29.03	0.000
G07	SYBR	IL-17_internal(256/7)	Unkn	NTM1_ctenidia	28.65	28.65	0.000
G08	SYBR	IL-17_internal(256/7)	Unkn	NTM2_ctendia	29.37	29.37	0.000
G09	SYBR	IL-17_internal(256/7)	Unkn	TC1_ctenidia	29.24	29.24	0.000
G10	SYBR	IL-17_internal(256/7)	Unkn	TC2_ctendia	29.98	29.98	0.000
G11	SYBR	IL-17_internal(256/7)	Unkn	TH1_ctenidia	30.08	30.08	0.000
G12	SYBR	IL-17_internal(256/7)	Unkn	TH2_ctenidia	29.44	29.44	0.000
H01	SYBR	IL-17_internal(256/7)	Unkn	THM1_ctenidia	33.11	33.11	0.000
H02	SYBR	IL-17_internal(256/7)	Unkn	THM2_ctenidia	30.07	30.07	0.000
H03	SYBR	IL-17_internal(256/7)	Unkn	TM1_ctendia	29.82	29.82	0.000
H04	SYBR	IL-17_internal(256/7)	Unkn	TM2_ctenidia	29.74	29.74	0.000
H05	SYBR	IL-17_internal(256/7)	NTC-4		N/A	0.00	0.000
H06	SYBR	IL-17_internal(256/7)	NTC-4		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_18s(1408/9)	Cg_18s(1408/9)	False	Yes	100.0%
Cg_Actin(1170/1)	Cg_Actin(1170/1)	False	Yes	100.0%
Cg_Def(1160/1)	Cg_Def(1160/1)	False	Yes	100.0%
IL-17_internal(256/7)	IL-17_internal(256/7)	False	Yes	100.0%

Sample Names

Name	Full Name	Control
NTC1_ctenidia	NTC1_ctenidia	No
NTC2_ctenidia	NTC2_ctenidia	No
NTH1_ctenidia	NTH1_ctenidia	No
NTH2_ctenidia	NTH2_ctenidia	No
NTHM1_ctenidia	NTHM1_ctenidia	No
NTHM2_ctenidia	NTHM2_ctenidia	No
NTM1_ctenidia	NTM1_ctenidia	No

Sample Names

Name	Full Name	Control
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

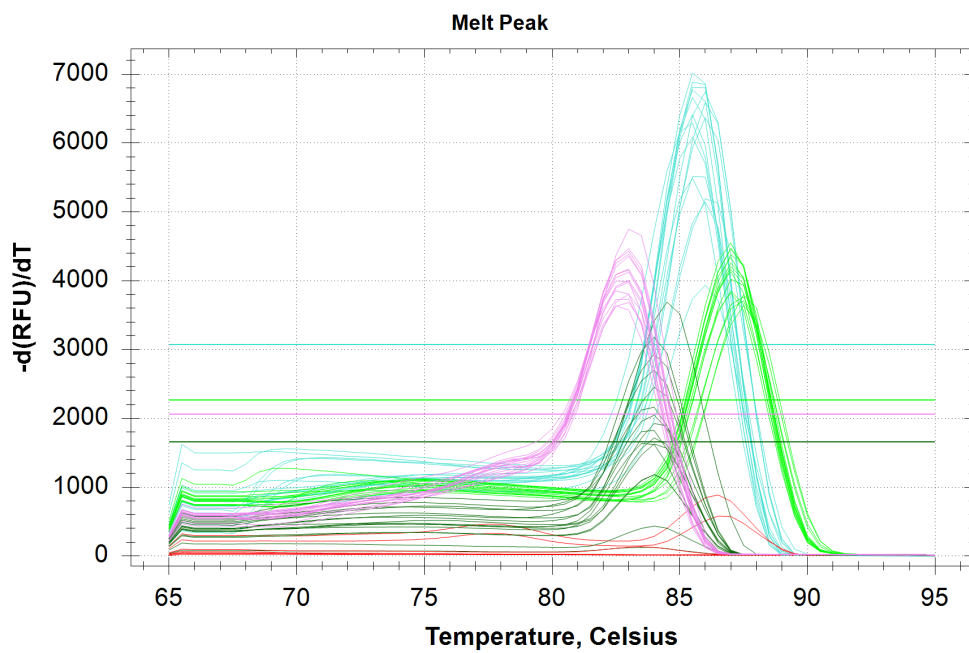
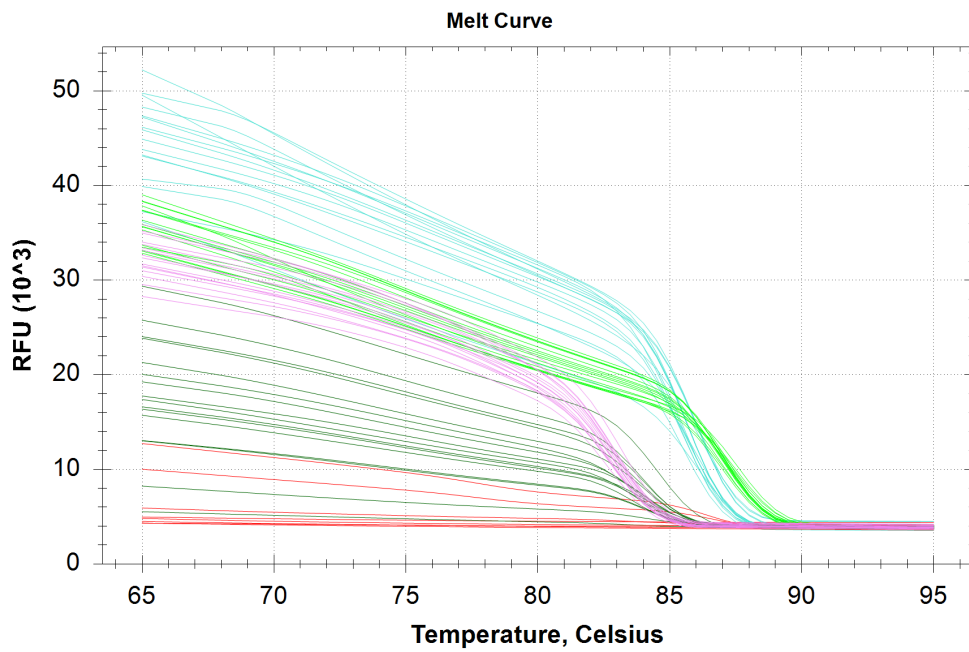
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_18s(1408/9)	NTC1_ctendia		N/A	N/A	N/A	21.86	0.00000	N/A
Cg_18s(1408/9)	NTC2_ctendia		N/A	N/A	N/A	19.41	0.00000	N/A
Cg_18s(1408/9)	NTH1_ctendia		N/A	N/A	N/A	20.13	0.00000	N/A
Cg_18s(1408/9)	NTH2_ctendia		N/A	N/A	N/A	20.20	0.00000	N/A
Cg_18s(1408/9)	NTHM1_ctendia		N/A	N/A	N/A	20.65	0.00000	N/A
Cg_18s(1408/9)	NTHM2_ctendia		N/A	N/A	N/A	20.34	0.00000	N/A
Cg_18s(1408/9)	NTM1_ctendia		N/A	N/A	N/A	21.66	0.00000	N/A
Cg_18s(1408/9)	NTM2_ctendia		N/A	N/A	N/A	19.97	0.00000	N/A
Cg_18s(1408/9)	TC1_ctendia		N/A	N/A	N/A	20.69	0.00000	N/A
Cg_18s(1408/9)	TC2_ctendia		N/A	N/A	N/A	20.69	0.00000	N/A
Cg_18s(1408/9)	TH1_ctendia		N/A	N/A	N/A	22.67	0.00000	N/A
Cg_18s(1408/9)	TH2_ctendia		N/A	N/A	N/A	21.86	0.00000	N/A
Cg_18s(1408/9)	THM1_ctendia		N/A	N/A	N/A	25.62	0.00000	N/A
Cg_18s(1408/9)	THM2_ctendia		N/A	N/A	N/A	22.36	0.00000	N/A
Cg_18s(1408/9)	TM1_ctendia		N/A	N/A	N/A	21.58	0.00000	N/A
Cg_18s(1408/9)	TM2_ctendia		N/A	N/A	N/A	21.30	0.00000	N/A
Cg_Actin(1170/1)	NTC1_ctendia		N/A	N/A	N/A	21.26	0.00000	N/A
Cg_Actin(1170/1)	NTC2_ctendia		N/A	N/A	N/A	21.13	0.00000	N/A
Cg_Actin(1170/1)	NTH1_ctendia		N/A	N/A	N/A	21.38	0.00000	N/A
Cg_Actin(1170/1)	NTH2_ctendia		N/A	N/A	N/A	22.03	0.00000	N/A
Cg_Actin(1170/1)	NTHM1_ctendia		N/A	N/A	N/A	21.04	0.00000	N/A
Cg_Actin(1170/1)	NTHM2_ctendia		N/A	N/A	N/A	21.07	0.00000	N/A
Cg_Actin(1170/1)	NTM1_ctendia		N/A	N/A	N/A	20.77	0.00000	N/A
Cg_Actin(1170/1)	NTM2_ctendia		N/A	N/A	N/A	21.35	0.00000	N/A
Cg_Actin(1170/1)	TC1_ctendia		N/A	N/A	N/A	22.95	0.00000	N/A
Cg_Actin(1170/1)	TC2_ctendia		N/A	N/A	N/A	21.56	0.00000	N/A
Cg_Actin(1170/1)	TH1_ctendia		N/A	N/A	N/A	21.31	0.00000	N/A
Cg_Actin(1170/1)	TH2_ctendia		N/A	N/A	N/A	22.06	0.00000	N/A
Cg_Actin(1170/1)	THM1_ctendia		N/A	N/A	N/A	20.31	0.00000	N/A
Cg_Actin(1170/1)	THM2_ctendia		N/A	N/A	N/A	22.18	0.00000	N/A
Cg_Actin(1170/1)	TM1_ctendia		N/A	N/A	N/A	20.63	0.00000	N/A
Cg_Actin(1170/1)	TM2_ctendia		N/A	N/A	N/A	20.38	0.00000	N/A
Cg_Def(1160/1)	NTC1_ctendia		N/A	N/A	N/A	38.84	0.00000	N/A
Cg_Def(1160/1)	NTC2_ctendia		N/A	N/A	N/A	37.35	0.00000	N/A
Cg_Def(1160/1)	NTH1_ctendia		N/A	N/A	N/A	37.26	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_Def(1160/1)	NTH2_ctenidia		N/A	N/A	N/A	38.36	0.00000	N/A
Cg_Def(1160/1)	NTHM1_ctenidia		N/A	N/A	N/A	36.80	0.00000	N/A
Cg_Def(1160/1)	NTHM2_ctenidia		N/A	N/A	N/A	38.71	0.00000	N/A
Cg_Def(1160/1)	NTM1_ctenidia		N/A	N/A	N/A	39.44	0.00000	N/A
Cg_Def(1160/1)	NTM2_ctendia		N/A	N/A	N/A	38.18	0.00000	N/A
Cg_Def(1160/1)	TC1_ctenidia		N/A	N/A	N/A	39.47	0.00000	N/A
Cg_Def(1160/1)	TC2_ctendia		N/A	N/A	N/A	39.08	0.00000	N/A
Cg_Def(1160/1)	TH1_ctenidia		N/A	N/A	N/A	N/A	N/A	N/A
Cg_Def(1160/1)	TH2_ctenidia		N/A	N/A	N/A	34.12	0.00000	N/A
Cg_Def(1160/1)	THM1_ctenidia		N/A	N/A	N/A	N/A	N/A	N/A
Cg_Def(1160/1)	THM2_ctenidia		N/A	N/A	N/A	N/A	N/A	N/A
Cg_Def(1160/1)	TM1_ctendia		N/A	N/A	N/A	N/A	N/A	N/A
Cg_Def(1160/1)	TM2_ctenidia		N/A	N/A	N/A	39.22	0.00000	N/A
IL-17_internal(256/7)	NTC1_ctenidia		N/A	N/A	N/A	29.77	0.00000	N/A
IL-17_internal(256/7)	NTC2_ctenidia		N/A	N/A	N/A	28.54	0.00000	N/A
IL-17_internal(256/7)	NTH1_ctenidia		N/A	N/A	N/A	28.64	0.00000	N/A
IL-17_internal(256/7)	NTH2_ctenidia		N/A	N/A	N/A	28.42	0.00000	N/A
IL-17_internal(256/7)	NTHM1_ctenidia		N/A	N/A	N/A	28.91	0.00000	N/A
IL-17_internal(256/7)	NTHM2_ctenidia		N/A	N/A	N/A	29.03	0.00000	N/A
IL-17_internal(256/7)	NTM1_ctenidia		N/A	N/A	N/A	28.65	0.00000	N/A
IL-17_internal(256/7)	NTM2_ctendia		N/A	N/A	N/A	29.37	0.00000	N/A
IL-17_internal(256/7)	TC1_ctenidia		N/A	N/A	N/A	29.24	0.00000	N/A
IL-17_internal(256/7)	TC2_ctendia		N/A	N/A	N/A	29.98	0.00000	N/A
IL-17_internal(256/7)	TH1_ctenidia		N/A	N/A	N/A	30.08	0.00000	N/A
IL-17_internal(256/7)	TH2_ctenidia		N/A	N/A	N/A	29.44	0.00000	N/A
IL-17_internal(256/7)	THM1_ctenidia		N/A	N/A	N/A	33.11	0.00000	N/A
IL-17_internal(256/7)	THM2_ctenidia		N/A	N/A	N/A	30.07	0.00000	N/A
IL-17_internal(256/7)	TM1_ctendia		N/A	N/A	N/A	29.82	0.00000	N/A
IL-17_internal(256/7)	TM2_ctenidia		N/A	N/A	N/A	29.74	0.00000	N/A

Melt Curve

Step #: 5



Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	Cg_18s(1408/9)	Unkn	NTC1_ctenidia	87.00
A02	SYBR	Cg_18s(1408/9)	Unkn	NTC2_ctenidia	87.00
A03	SYBR	Cg_18s(1408/9)	Unkn	NTH1_ctenidia	87.00
A04	SYBR	Cg_18s(1408/9)	Unkn	NTH2_ctenidia	87.00
A05	SYBR	Cg_18s(1408/9)	Unkn	NTHM1_ctenidia	87.00
A06	SYBR	Cg_18s(1408/9)	Unkn	NTHM2_ctenidia	87.00
A07	SYBR	Cg_18s(1408/9)	Unkn	NTM1_ctenidia	87.00
A08	SYBR	Cg_18s(1408/9)	Unkn	NTM2_ctenidia	87.00
A09	SYBR	Cg_18s(1408/9)	Unkn	TC1_ctenidia	87.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A10	SYBR	Cg_18s(1408/9)	Unkn	TC2_ctendia	87.50
A11	SYBR	Cg_18s(1408/9)	Unkn	TH1_ctenidia	87.00
A12	SYBR	Cg_18s(1408/9)	Unkn	TH2_ctenidia	87.50
B01	SYBR	Cg_18s(1408/9)	Unkn	THM1_ctenidia	87.50
B02	SYBR	Cg_18s(1408/9)	Unkn	THM2_ctenidia	87.50
B03	SYBR	Cg_18s(1408/9)	Unkn	TM1_ctendia	87.00
B04	SYBR	Cg_18s(1408/9)	Unkn	TM2_ctenidia	87.00
B05	SYBR	Cg_18s(1408/9)	NTC-1		None
B06	SYBR	Cg_18s(1408/9)	NTC-1		None
C01	SYBR	Cg_Actin(1170/1)	Unkn	NTC1_ctenidia	83.00
C02	SYBR	Cg_Actin(1170/1)	Unkn	NTC2_ctenidia	83.00
C03	SYBR	Cg_Actin(1170/1)	Unkn	NTH1_ctenidia	83.00
C04	SYBR	Cg_Actin(1170/1)	Unkn	NTH2_ctenidia	82.50
C05	SYBR	Cg_Actin(1170/1)	Unkn	NTHM1_ctenidia	83.00
C06	SYBR	Cg_Actin(1170/1)	Unkn	NTHM2_ctenidia	83.00
C07	SYBR	Cg_Actin(1170/1)	Unkn	NTM1_ctenidia	83.00
C08	SYBR	Cg_Actin(1170/1)	Unkn	NTM2_ctendia	83.00
C09	SYBR	Cg_Actin(1170/1)	Unkn	TC1_ctenidia	83.00
C10	SYBR	Cg_Actin(1170/1)	Unkn	TC2_ctendia	82.50
C11	SYBR	Cg_Actin(1170/1)	Unkn	TH1_ctenidia	83.00
C12	SYBR	Cg_Actin(1170/1)	Unkn	TH2_ctenidia	83.00
D01	SYBR	Cg_Actin(1170/1)	Unkn	THM1_ctenidia	82.50
D02	SYBR	Cg_Actin(1170/1)	Unkn	THM2_ctenidia	83.00
D03	SYBR	Cg_Actin(1170/1)	Unkn	TM1_ctendia	83.00
D04	SYBR	Cg_Actin(1170/1)	Unkn	TM2_ctenidia	83.00
D05	SYBR	Cg_Actin(1170/1)	NTC-2		None
D06	SYBR	Cg_Actin(1170/1)	NTC-2		None
E01	SYBR	Cg_Def(1160/1)	Unkn	NTC1_ctenidia	84.00
E02	SYBR	Cg_Def(1160/1)	Unkn	NTC2_ctenidia	84.00
E03	SYBR	Cg_Def(1160/1)	Unkn	NTH1_ctenidia	84.00
E04	SYBR	Cg_Def(1160/1)	Unkn	NTH2_ctenidia	84.00
E05	SYBR	Cg_Def(1160/1)	Unkn	NTHM1_ctenidia	84.00
E06	SYBR	Cg_Def(1160/1)	Unkn	NTHM2_ctenidia	84.00
E07	SYBR	Cg_Def(1160/1)	Unkn	NTM1_ctenidia	None
E08	SYBR	Cg_Def(1160/1)	Unkn	NTM2_ctendia	84.00
E09	SYBR	Cg_Def(1160/1)	Unkn	TC1_ctenidia	None
E10	SYBR	Cg_Def(1160/1)	Unkn	TC2_ctendia	84.00
E11	SYBR	Cg_Def(1160/1)	Unkn	TH1_ctenidia	None
E12	SYBR	Cg_Def(1160/1)	Unkn	TH2_ctenidia	84.50
F01	SYBR	Cg_Def(1160/1)	Unkn	THM1_ctenidia	None
F02	SYBR	Cg_Def(1160/1)	Unkn	THM2_ctenidia	None
F03	SYBR	Cg_Def(1160/1)	Unkn	TM1_ctendia	None
F04	SYBR	Cg_Def(1160/1)	Unkn	TM2_ctenidia	84.00
F05	SYBR	Cg_Def(1160/1)	NTC-3		None
F06	SYBR	Cg_Def(1160/1)	NTC-3		None
G01	SYBR	IL-17_internal(256/7)	Unkn	NTC1_ctenidia	86.00
G02	SYBR	IL-17_internal(256/7)	Unkn	NTC2_ctenidia	85.50
G03	SYBR	IL-17_internal(256/7)	Unkn	NTH1_ctenidia	85.50
G04	SYBR	IL-17_internal(256/7)	Unkn	NTH2_ctenidia	86.00
G05	SYBR	IL-17_internal(256/7)	Unkn	NTHM1_ctenidia	85.50

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
G06	SYBR	IL-17_internal(256/7)	Unkn	NTHM2_ctenidia	85.50
G07	SYBR	IL-17_internal(256/7)	Unkn	NTM1_ctenidia	86.00
G08	SYBR	IL-17_internal(256/7)	Unkn	NTM2_ctendia	85.50
G09	SYBR	IL-17_internal(256/7)	Unkn	TC1_ctenidia	85.50
G10	SYBR	IL-17_internal(256/7)	Unkn	TC2_ctendia	85.50
G11	SYBR	IL-17_internal(256/7)	Unkn	TH1_ctenidia	86.00
G12	SYBR	IL-17_internal(256/7)	Unkn	TH2_ctenidia	86.00
H01	SYBR	IL-17_internal(256/7)	Unkn	THM1_ctenidia	86.00
H02	SYBR	IL-17_internal(256/7)	Unkn	THM2_ctenidia	86.00
H03	SYBR	IL-17_internal(256/7)	Unkn	TM1_ctendia	86.00
H04	SYBR	IL-17_internal(256/7)	Unkn	TM2_ctenidia	85.50
H05	SYBR	IL-17_internal(256/7)	NTC-4		None
H06	SYBR	IL-17_internal(256/7)	NTC-4		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_Def(1160/1):E11, F1, F2, F3.	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		False	