eric_2024-02-27 15-56-40_Connect (1).pcrd

04/30/2024 07:26

Report Information

User: BioRad/admin
Data File Name: eric_2024-02-27 15-56-40_Connect (1).pcrd
Data File Path: C:\Users\srlab\Downloads
Well Group Name: All Wells
Report Differs from Last Save: Yes

Run Setup

Run Information

Run Date: 02/27/2024 15:57
Run User: admin
Run Type: User-defined
Plate File: Sample_white_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 0:10
3: 60.0°C for 0:20
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

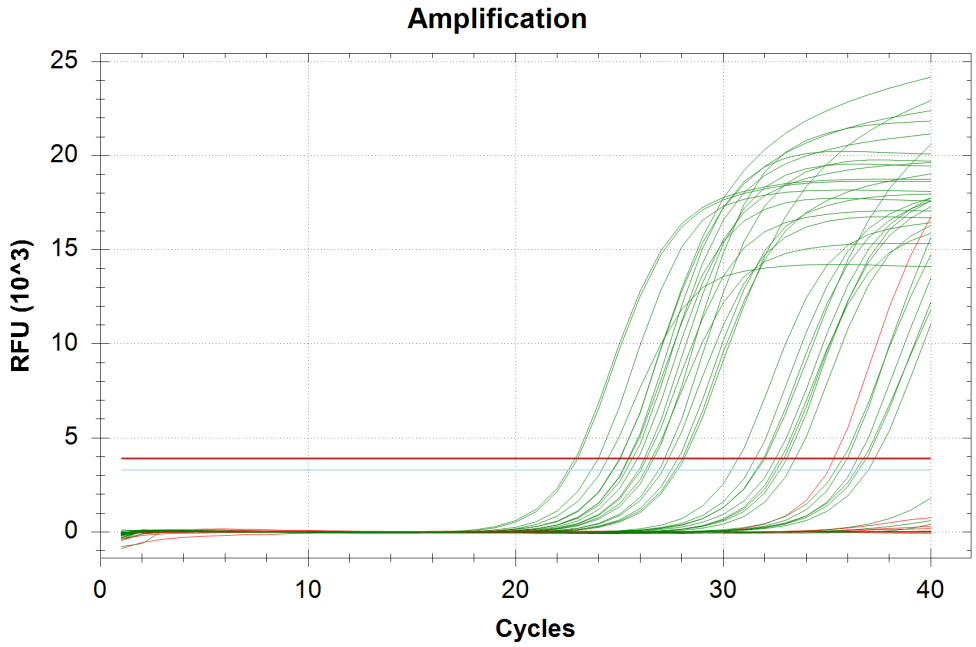
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 HSP70 411-8	Unk-1 HSP70 411-8	Unk-2 HSP70 411-8m	Unk-2 HSP70 411-8m	Unk-3 HSP70 411-9	Unk-3 HSP70 411-9	Unk-4 HSP70 411-10	Unk-4 HSP70 411-10	Unk-5 HSP70 412-6m	Unk-5 HSP70 412-6m	NTC-1 HSP70 NTC	NTC-1 HSP70 NTC
B	Unk-6 HSP70 411-8	Unk-6 HSP70 411-8	Unk-7 HSP70 411-8m	Unk-7 HSP70 411-8m	Unk-8 HSP70 411-9	Unk-8 HSP70 411-9	Unk-9 HSP70 411-10	Unk-9 HSP70 411-10	Unk-10 HSP70 412-6m	Unk-10 HSP70 412-6m	NTC-2 HSP70 NTC	NTC-2 HSP70 NTC
C	Unk-11 EF1 411-8	Unk-11 EF1 411-8	Unk-12 EF1 411-8m	Unk-12 EF1 411-8m	Unk-13 EF1 411-9	Unk-13 EF1 411-9	Unk-14 EF1 411-10	Unk-14 EF1 411-10	Unk-15 EF1 412-6m	Unk-15 EF1 412-6m	NTC-3 EF1 NTC	NTC-3 EF1 NTC
D	Unk-16 DNMT1 411-8	Unk-16 DNMT1 411-8	Unk-17 DNMT1 411-8m	Unk-17 DNMT1 411-8m	Unk-18 DNMT1 411-9	Unk-18 DNMT1 411-9	Unk-19 DNMT1 411-10	Unk-19 DNMT1 411-10	Unk-20 DNMT1 412-6m	Unk-20 DNMT1 412-6m	NTC-4 DNMT1 NTC	NTC-4 DNMT1 NTC
E	Unk-21 Chaperonin 411-8	Unk-21 Chaperonin 411-8	Unk-22 Chaperonin 411-8m	Unk-22 Chaperonin 411-8m	Unk-23 Chaperonin 411-9	Unk-23 Chaperonin 411-9	Unk-24 Chaperonin 411-10	Unk-24 Chaperonin 411-10	Unk-25 Chaperonin 412-6m	Unk-25 Chaperonin 412-6m	NTC-5 Chaperonin NTC	NTC-5 Chaperonin NTC

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
G	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
H	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR

Quantification

Step #: 3
Analysis Mode: Target
Cq Determination: Single Threshold
Baseline Method:
EF1: Auto Calculated
DNMT1: Auto Calculated
Chaperonin: Auto Calculated
HSP70: Auto Calculated
Threshold Setting:
EF1: 3883.49, Auto Calculated
DNMT1: 3304.48, Auto Calculated
Chaperonin: None, Auto Calculated
HSP70: 3912.85, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	HSP70	Unkn-01	411-8	27.36	27.27	0.132
A02	SYBR	HSP70	Unkn-01	411-8	27.18	27.27	0.132
A03	SYBR	HSP70	Unkn-02	411-8m	25.42	25.44	0.028
A04	SYBR	HSP70	Unkn-02	411-8m	25.46	25.44	0.028
A05	SYBR	HSP70	Unkn-03	411-9	26.20	29.10	4.110
A06	SYBR	HSP70	Unkn-03	411-9	32.01	29.10	4.110
A07	SYBR	HSP70	Unkn-04	411-10	28.12	27.38	1.039

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A08	SYBR	HSP70	Unkn-04	411-10	26.65	27.38	1.039
A09	SYBR	HSP70	Unkn-05	412-6m	25.03	25.02	0.014
A10	SYBR	HSP70	Unkn-05	412-6m	25.01	25.02	0.014
A11	SYBR	HSP70	NTC-01	NTC	35.32	35.32	0.000
A12	SYBR	HSP70	NTC-01	NTC	N/A	0.00	0.000
B01	SYBR	HSP70	Unkn-06	411-8	28.03	27.92	0.152
B02	SYBR	HSP70	Unkn-06	411-8	27.82	27.92	0.152
B03	SYBR	HSP70	Unkn-07	411-8m	26.55	26.42	0.175
B04	SYBR	HSP70	Unkn-07	411-8m	26.30	26.42	0.175
B05	SYBR	HSP70	Unkn-08	411-9	30.72	32.09	1.941
B06	SYBR	HSP70	Unkn-08	411-9	33.46	32.09	1.941
B07	SYBR	HSP70	Unkn-09	411-10	24.44	24.21	0.322
B08	SYBR	HSP70	Unkn-09	411-10	23.98	24.21	0.322
B09	SYBR	HSP70	Unkn-10	412-6m	25.62	25.75	0.183
B10	SYBR	HSP70	Unkn-10	412-6m	25.88	25.75	0.183
B11	SYBR	HSP70	NTC-02	NTC	N/A	0.00	0.000
B12	SYBR	HSP70	NTC-02	NTC	N/A	0.00	0.000
C01	SYBR	EF1	Unkn-11	411-8	36.46	36.21	0.355
C02	SYBR	EF1	Unkn-11	411-8	35.96	36.21	0.355
C03	SYBR	EF1	Unkn-12	411-8m	N/A	0.00	0.000
C04	SYBR	EF1	Unkn-12	411-8m	N/A	0.00	0.000
C05	SYBR	EF1	Unkn-13	411-9	33.05	32.90	0.215
C06	SYBR	EF1	Unkn-13	411-9	32.75	32.90	0.215
C07	SYBR	EF1	Unkn-14	411-10	N/A	0.00	0.000
C08	SYBR	EF1	Unkn-14	411-10	N/A	0.00	0.000
C09	SYBR	EF1	Unkn-15	412-6m	22.98	22.92	0.092
C10	SYBR	EF1	Unkn-15	412-6m	22.85	22.92	0.092
C11	SYBR	EF1	NTC-03	NTC	N/A	0.00	0.000
C12	SYBR	EF1	NTC-03	NTC	N/A	0.00	0.000
D01	SYBR	DNMT1	Unkn-16	411-8	N/A	0.00	0.000
D02	SYBR	DNMT1	Unkn-16	411-8	N/A	0.00	0.000
D03	SYBR	DNMT1	Unkn-17	411-8m	35.41	35.90	0.698
D04	SYBR	DNMT1	Unkn-17	411-8m	36.40	35.90	0.698
D05	SYBR	DNMT1	Unkn-18	411-9	36.53	36.76	0.337
D06	SYBR	DNMT1	Unkn-18	411-9	37.00	36.76	0.337
D07	SYBR	DNMT1	Unkn-19	411-10	31.23	31.72	0.690
D08	SYBR	DNMT1	Unkn-19	411-10	32.21	31.72	0.690
D09	SYBR	DNMT1	Unkn-20	412-6m	32.57	32.07	0.698
D10	SYBR	DNMT1	Unkn-20	412-6m	31.58	32.07	0.698
D11	SYBR	DNMT1	NTC-04	NTC	N/A	0.00	0.000
D12	SYBR	DNMT1	NTC-04	NTC	N/A	0.00	0.000
E01	SYBR	Chaperonin	Unkn-21	411-8	N/A	0.00	0.000
E02	SYBR	Chaperonin	Unkn-21	411-8	N/A	0.00	0.000
E03	SYBR	Chaperonin	Unkn-22	411-8m	N/A	0.00	0.000
E04	SYBR	Chaperonin	Unkn-22	411-8m	N/A	0.00	0.000
E05	SYBR	Chaperonin	Unkn-23	411-9	N/A	0.00	0.000
E06	SYBR	Chaperonin	Unkn-23	411-9	N/A	0.00	0.000
E07	SYBR	Chaperonin	Unkn-24	411-10	N/A	0.00	0.000
E08	SYBR	Chaperonin	Unkn-24	411-10	N/A	0.00	0.000

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E09	SYBR	Chaperonin	Unkn-25	412-6m	N/A	0.00	0.000
E10	SYBR	Chaperonin	Unkn-25	412-6m	N/A	0.00	0.000
E11	SYBR	Chaperonin	NTC-05	NTC	N/A	0.00	0.000
E12	SYBR	Chaperonin	NTC-05	NTC	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
Chaperonin	Chaperonin	False	Yes	100.0%
DNMT1	DNMT1	False	Yes	100.0%
EF1	EF1	False	Yes	100.0%
HSP70	HSP70	False	Yes	100.0%

Sample Names

Name	Full Name	Control
411-10	411-10	No
411-8	411-8	No
411-8m	411-8m	No
411-9	411-9	No
412-6m	412-6m	No

Gene Expression - Bar Chart Data

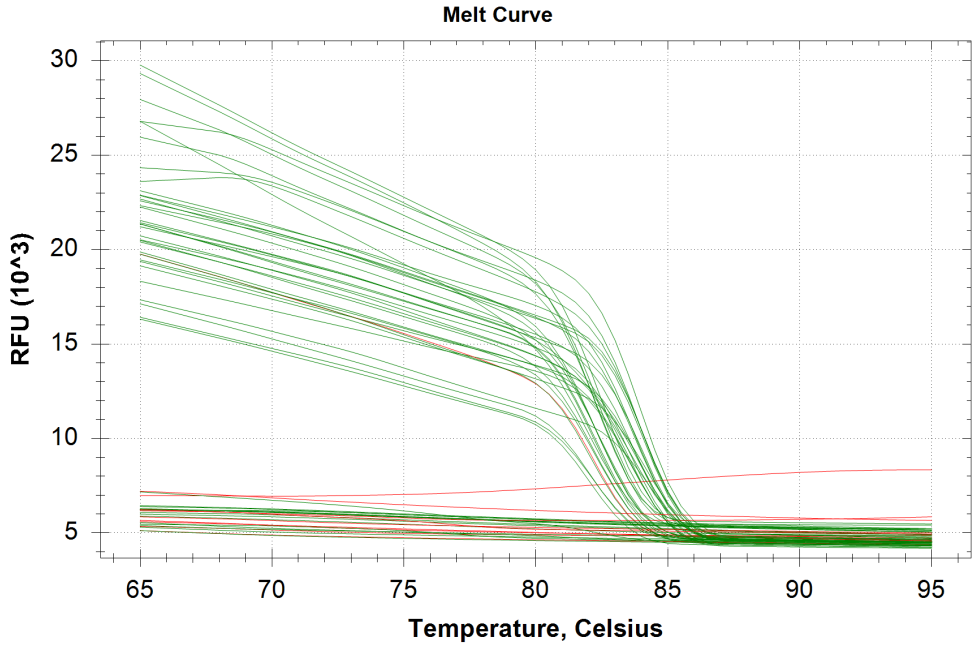
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Chaperonin	411-10		N/A	N/A	N/A	N/A	N/A	N/A
Chaperonin	411-8		N/A	N/A	N/A	N/A	N/A	N/A
Chaperonin	411-8m		N/A	N/A	N/A	N/A	N/A	N/A
Chaperonin	411-9		N/A	N/A	N/A	N/A	N/A	N/A
Chaperonin	412-6m		N/A	N/A	N/A	N/A	N/A	N/A
DNMT1	411-10		N/A	N/A	N/A	31.72	0.48789	N/A
DNMT1	411-8		N/A	N/A	N/A	N/A	N/A	N/A
DNMT1	411-8m		N/A	N/A	N/A	35.90	0.49337	N/A
DNMT1	411-9		N/A	N/A	N/A	36.76	0.23800	N/A
DNMT1	412-6m		N/A	N/A	N/A	32.07	0.49383	N/A
EF1	411-10		N/A	N/A	N/A	N/A	N/A	N/A
EF1	411-8		N/A	N/A	N/A	36.21	0.25068	N/A
EF1	411-8m		N/A	N/A	N/A	N/A	N/A	N/A
EF1	411-9		N/A	N/A	N/A	32.90	0.15232	N/A
EF1	412-6m		N/A	N/A	N/A	22.92	0.06477	N/A
HSP70	411-10		N/A	N/A	N/A	25.80	0.96862	N/A
HSP70	411-8		N/A	N/A	N/A	27.60	0.19764	N/A
HSP70	411-8m		N/A	N/A	N/A	25.93	0.28846	N/A

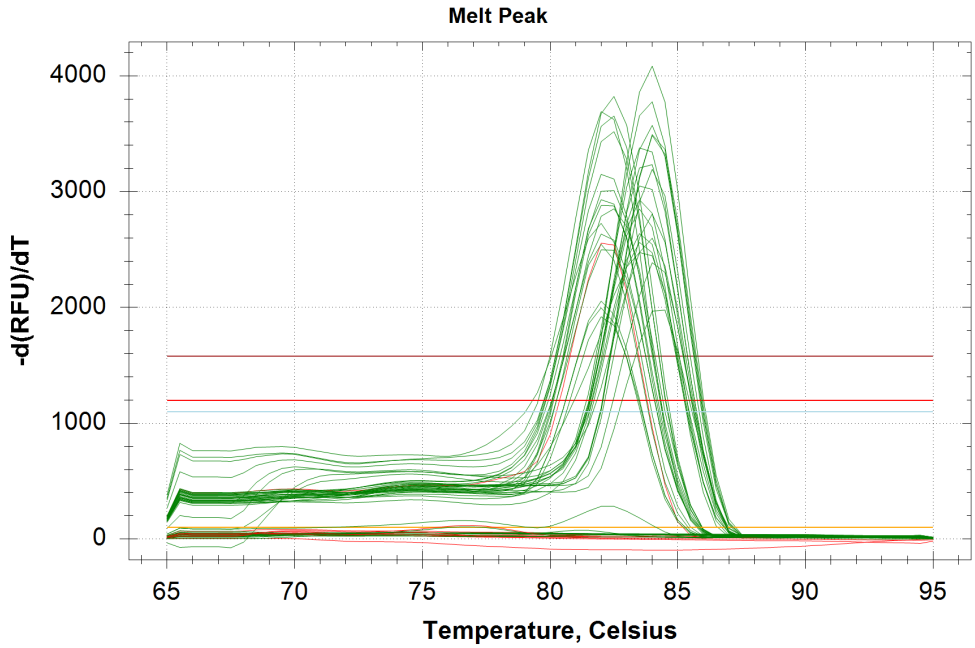
Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
HSP70	411-9		N/A	N/A	N/A	30.60	1.57004	N/A
HSP70	412-6m		N/A	N/A	N/A	25.39	0.21662	N/A

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	HSP70	Unkn-01	411-8	82.00
A02	SYBR	HSP70	Unkn-01	411-8	82.50
A03	SYBR	HSP70	Unkn-02	411-8m	82.00
A04	SYBR	HSP70	Unkn-02	411-8m	82.00
A05	SYBR	HSP70	Unkn-03	411-9	82.50
A06	SYBR	HSP70	Unkn-03	411-9	82.00
A07	SYBR	HSP70	Unkn-04	411-10	82.00
A08	SYBR	HSP70	Unkn-04	411-10	82.50
A09	SYBR	HSP70	Unkn-05	412-6m	82.50
A10	SYBR	HSP70	Unkn-05	412-6m	82.50
A11	SYBR	HSP70	NTC-01	NTC	82.00
A12	SYBR	HSP70	NTC-01	NTC	None
B01	SYBR	HSP70	Unkn-06	411-8	84.00
B02	SYBR	HSP70	Unkn-06	411-8	84.00
B03	SYBR	HSP70	Unkn-07	411-8m	83.50
B04	SYBR	HSP70	Unkn-07	411-8m	83.50
B05	SYBR	HSP70	Unkn-08	411-9	83.50
B06	SYBR	HSP70	Unkn-08	411-9	83.50
B07	SYBR	HSP70	Unkn-09	411-10	83.50
B08	SYBR	HSP70	Unkn-09	411-10	83.50
B09	SYBR	HSP70	Unkn-10	412-6m	84.00
B10	SYBR	HSP70	Unkn-10	412-6m	84.00
B11	SYBR	HSP70	NTC-02	NTC	None
B12	SYBR	HSP70	NTC-02	NTC	None
C01	SYBR	EF1	Unkn-11	411-8	84.50
C02	SYBR	EF1	Unkn-11	411-8	84.00
C03	SYBR	EF1	Unkn-12	411-8m	None
C04	SYBR	EF1	Unkn-12	411-8m	None
C05	SYBR	EF1	Unkn-13	411-9	84.00
C06	SYBR	EF1	Unkn-13	411-9	84.00
C07	SYBR	EF1	Unkn-14	411-10	None
C08	SYBR	EF1	Unkn-14	411-10	None
C09	SYBR	EF1	Unkn-15	412-6m	84.00
C10	SYBR	EF1	Unkn-15	412-6m	84.00
C11	SYBR	EF1	NTC-03	NTC	None
C12	SYBR	EF1	NTC-03	NTC	None
D01	SYBR	DNMT1	Unkn-16	411-8	None
D02	SYBR	DNMT1	Unkn-16	411-8	None
D03	SYBR	DNMT1	Unkn-17	411-8m	82.00
D04	SYBR	DNMT1	Unkn-17	411-8m	82.00
D05	SYBR	DNMT1	Unkn-18	411-9	82.00
D06	SYBR	DNMT1	Unkn-18	411-9	82.00
D07	SYBR	DNMT1	Unkn-19	411-10	82.00
D08	SYBR	DNMT1	Unkn-19	411-10	82.00
D09	SYBR	DNMT1	Unkn-20	412-6m	84.00
D10	SYBR	DNMT1	Unkn-20	412-6m	83.50
D11	SYBR	DNMT1	NTC-04	NTC	None
D12	SYBR	DNMT1	NTC-04	NTC	None

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
E01	SYBR	Chaperonin	Unkn-21	411-8	None
E02	SYBR	Chaperonin	Unkn-21	411-8	None
E03	SYBR	Chaperonin	Unkn-22	411-8m	None
E04	SYBR	Chaperonin	Unkn-22	411-8m	None
E05	SYBR	Chaperonin	Unkn-23	411-9	None
E06	SYBR	Chaperonin	Unkn-23	411-9	None
E07	SYBR	Chaperonin	Unkn-24	411-10	None
E08	SYBR	Chaperonin	Unkn-24	411-10	None
E09	SYBR	Chaperonin	Unkn-25	412-6m	None
E10	SYBR	Chaperonin	Unkn-25	412-6m	None
E11	SYBR	Chaperonin	NTC-05	NTC	None
E12	SYBR	Chaperonin	NTC-05	NTC	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	HSP70:A11.	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	Chaperonin:E1, E2, E3, E4, E5, E6, E7, E8, E9, E10. DNMT1:D1, D2. EF1:C3, C4, C7, C8.	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	0.50	True	DNMT1:D3, D4, D7, D8, D9, D10. HSP70:A5, A6, A7, A8, B5, B6.	False	