



sam_2022-07-27 10-02-05_BR006896.pcrd

7/28/2022 10:07

Report Information

User: BioRad/sam
Data File Name: sam_2022-07-27 10-02-05_BR006896.pcrd
Data File Path: C:\Users\Samb\Downloads
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 7/27/2022 10:02
Run User: sam
Run Type: User-defined
Plate File: Quick Plate_96 wells_SYBR Only.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-1 GADD45 T01-G control	Unk-1 GADD45 T01-G control	Unk-1 GADD45 T01-G control	Unk-2 GADD45 T02-G control	Unk-2 GADD45 T02-G control	Unk-2 GADD45 T02-G control	Unk-3 GADD45 T03-G control	Unk-3 GADD45 T03-G control	Unk-3 GADD45 T03-G control	Unk-4 GADD45 T04-G control	Unk-4 GADD45 T04-G control	Unk-4 GADD45 T04-G control
B	Unk-5 GADD45 T05-G control	Unk-5 GADD45 T05-G control	Unk-5 GADD45 T05-G control	Unk-6 GADD45 T06-g control	Unk-6 GADD45 T06-g control	Unk-6 GADD45 T06-g control	Unk-7 GADD45 T07-G control	Unk-7 GADD45 T07-G control	Unk-7 GADD45 T07-G control	Unk-8 GADD45 T08-G control	Unk-8 GADD45 T08-G control	Unk-8 GADD45 T08-G control
C	Unk-9 GADD45 T09-G control	Unk-9 GADD45 T09-G control	Unk-9 GADD45 T09-G control	Unk-10 GADD45 T10-G control	Unk-10 GADD45 T10-G control	Unk-10 GADD45 T10-g control	Unk-11 GADD45 T16-G heat stress	Unk-11 GADD45 T16-G heat stress	Unk-11 GADD45 T16-G heat stress	Unk-12 GADD45 T17-G heat stress	Unk-12 GADD45 T17-G heat stress	Unk-12 GADD45 T17-G heat stress
D	Unk-13 GADD45 T18-G heat stress	Unk-13 GADD45 T18-G heat stress	Unk-13 GADD45 T18-G heat stress	Unk-14 GADD45 T19-G heat stress	Unk-14 GADD45 T19-G heat stress	Unk-14 GADD45 T19-G heat stress	Unk-15 GADD45 T20-G heat stress	Unk-15 GADD45 T20-G heat stress	Unk-15 GADD45 T20-G heat stress	Unk-16 GADD45 T21-G heat stress	Unk-16 GADD45 T21-G heat stress	Unk-16 GADD45 T21-G heat stress

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
E	Unk-17 GADD45 T22-G heat stress	Unk-17 GADD45 T22-G heat stress	Unk-17 GADD45 T22-G heat stress	Unk-18 GADD45 T23-G heat stress	Unk-18 GADD45 T23-G heat stress	Unk-18 GADD45 T23-G heat stress	Unk-19 GADD45 T24-G heat stress	Unk-19 GADD45 T24-G heat stress	Unk-19 GADD45 T24-G heat stress	Unk-20 GADD45 T25-G heat stress	Unk-20 GADD45 T25-G heat stress	Unk-20 GADD45 T25-G heat stress
F	NTC-1 SYBR NTC	NTC-1 SYBR NTC	NTC-1 SYBR NTC									
G												
H												

Quantification

Step #: 3

Analysis Mode: Fluorophore

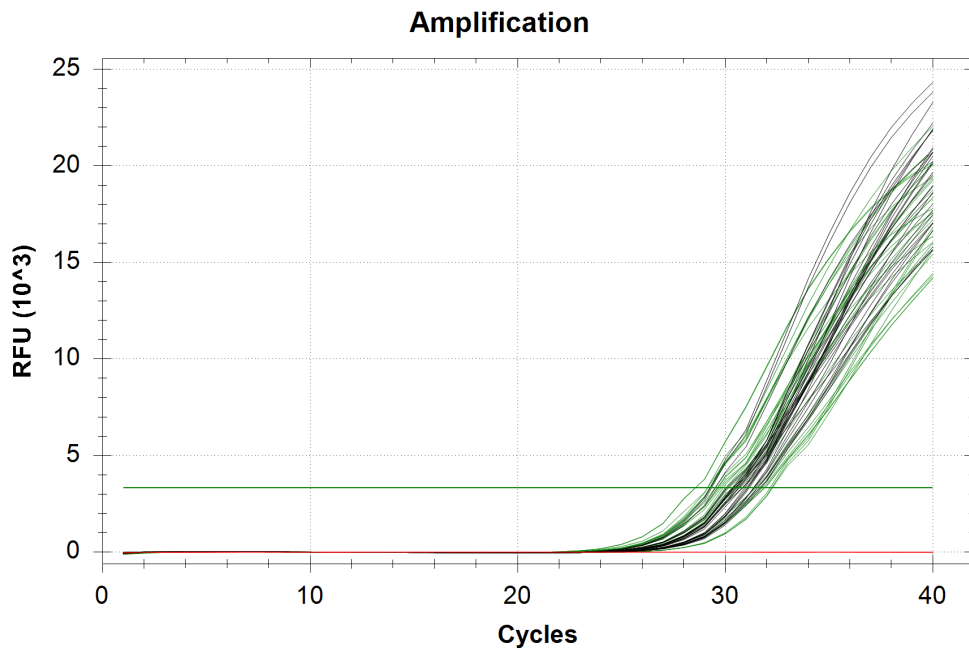
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 3334.07, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Biological Set Name	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	GADD45	Unkn-01	T01-G	control	30.33	30.26	0.209
A02	SYBR	GADD45	Unkn-01	T01-G	control	30.02	30.26	0.209
A03	SYBR	GADD45	Unkn-01	T01-G	control	30.42	30.26	0.209
A04	SYBR	GADD45	Unkn-02	T02-G	control	30.10	30.06	0.147
A05	SYBR	GADD45	Unkn-02	T02-G	control	29.90	30.06	0.147
A06	SYBR	GADD45	Unkn-02	T02-G	control	30.18	30.06	0.147
A07	SYBR	GADD45	Unkn-03	T03-G	control	28.56	28.76	0.339
A08	SYBR	GADD45	Unkn-03	T03-G	control	28.57	28.76	0.339
A09	SYBR	GADD45	Unkn-03	T03-G	control	29.15	28.76	0.339
A10	SYBR	GADD45	Unkn-04	T04-G	control	31.89	31.86	0.060

Quantification Data

Well	Fluor	Target	Content	Sample	Biological Set Name	Cq	Cq Mean	Cq Std. Dev
A11	SYBR	GADD45	Unkn-04	T04-G	control	31.91	31.86	0.060
A12	SYBR	GADD45	Unkn-04	T04-G	control	31.79	31.86	0.060
B01	SYBR	GADD45	Unkn-05	T05-G	control	29.72	29.61	0.105
B02	SYBR	GADD45	Unkn-05	T05-G	control	29.51	29.61	0.105
B03	SYBR	GADD45	Unkn-05	T05-G	control	29.62	29.61	0.105
B04	SYBR	GADD45	Unkn-06	T06-g	control	31.68	31.53	0.134
B05	SYBR	GADD45	Unkn-06	T06-g	control	31.43	31.53	0.134
B06	SYBR	GADD45	Unkn-06	T06-g	control	31.48	31.53	0.134
B07	SYBR	GADD45	Unkn-07	T07-G	control	29.65	29.57	0.275
B08	SYBR	GADD45	Unkn-07	T07-G	control	29.27	29.57	0.275
B09	SYBR	GADD45	Unkn-07	T07-G	control	29.80	29.57	0.275
B10	SYBR	GADD45	Unkn-08	T08-G	control	30.86	30.64	0.187
B11	SYBR	GADD45	Unkn-08	T08-G	control	30.57	30.64	0.187
B12	SYBR	GADD45	Unkn-08	T08-G	control	30.51	30.64	0.187
C01	SYBR	GADD45	Unkn-09	T09-G	control	29.26	29.23	0.079
C02	SYBR	GADD45	Unkn-09	T09-G	control	29.14	29.23	0.079
C03	SYBR	GADD45	Unkn-09	T09-G	control	29.29	29.23	0.079
C04	SYBR	GADD45	Unkn-10	T10-G	control	32.28	32.22	0.061
C05	SYBR	GADD45	Unkn-10	T10-G	control	32.16	32.22	0.061
C06	SYBR	GADD45	Unkn-10	T10-G	control	32.24	32.22	0.061
C07	SYBR	GADD45	Unkn-11	T16-G	heat stress	30.83	30.55	0.246
C08	SYBR	GADD45	Unkn-11	T16-G	heat stress	30.48	30.55	0.246
C09	SYBR	GADD45	Unkn-11	T16-G	heat stress	30.35	30.55	0.246
C10	SYBR	GADD45	Unkn-12	T17-G	heat stress	30.55	30.61	0.061
C11	SYBR	GADD45	Unkn-12	T17-G	heat stress	30.66	30.61	0.061
C12	SYBR	GADD45	Unkn-12	T17-G	heat stress	30.63	30.61	0.061
D01	SYBR	GADD45	Unkn-13	T18-G	heat stress	31.56	31.50	0.095
D02	SYBR	GADD45	Unkn-13	T18-G	heat stress	31.56	31.50	0.095
D03	SYBR	GADD45	Unkn-13	T18-G	heat stress	31.39	31.50	0.095
D04	SYBR	GADD45	Unkn-14	T19-G	heat stress	31.66	31.59	0.186
D05	SYBR	GADD45	Unkn-14	T19-G	heat stress	31.38	31.59	0.186
D06	SYBR	GADD45	Unkn-14	T19-G	heat stress	31.73	31.59	0.186
D07	SYBR	GADD45	Unkn-15	T20-G	heat stress	30.69	30.63	0.215
D08	SYBR	GADD45	Unkn-15	T20-G	heat stress	30.82	30.63	0.215
D09	SYBR	GADD45	Unkn-15	T20-G	heat stress	30.40	30.63	0.215
D10	SYBR	GADD45	Unkn-16	T21-G	heat stress	30.94	31.13	0.216
D11	SYBR	GADD45	Unkn-16	T21-G	heat stress	31.09	31.13	0.216
D12	SYBR	GADD45	Unkn-16	T21-G	heat stress	31.36	31.13	0.216
E01	SYBR	GADD45	Unkn-17	T22-G	heat stress	30.37	30.17	0.176
E02	SYBR	GADD45	Unkn-17	T22-G	heat stress	30.12	30.17	0.176
E03	SYBR	GADD45	Unkn-17	T22-G	heat stress	30.03	30.17	0.176
E04	SYBR	GADD45	Unkn-18	T23-G	heat stress	30.41	30.44	0.049
E05	SYBR	GADD45	Unkn-18	T23-G	heat stress	30.50	30.44	0.049
E06	SYBR	GADD45	Unkn-18	T23-G	heat stress	30.42	30.44	0.049
E07	SYBR	GADD45	Unkn-19	T24-G	heat stress	31.15	31.09	0.064
E08	SYBR	GADD45	Unkn-19	T24-G	heat stress	31.02	31.09	0.064
E09	SYBR	GADD45	Unkn-19	T24-G	heat stress	31.09	31.09	0.064
E10	SYBR	GADD45	Unkn-20	T25-G	heat stress	29.34	29.38	0.136
E11	SYBR	GADD45	Unkn-20	T25-G	heat stress	29.27	29.38	0.136

Quantification Data

Well	Fluor	Target	Content	Sample	Biological Set Name	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	GADD45	Unkn-20	T25-G	heat stress	29.53	29.38	0.136
F01	SYBR		NTC-01	NTC		N/A	0.00	0.000
F02	SYBR		NTC-01	NTC		N/A	0.00	0.000
F03	SYBR		NTC-01	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
GADD45	GADD45	False	Yes	100.0%

Sample Names

Name	Full Name	Control
T01-G	T01-G	No
T02-G	T02-G	No
T03-G	T03-G	No
T04-G	T04-G	No
T05-G	T05-G	No
T06-g	T06-g	No
T07-G	T07-G	No
T08-G	T08-G	No
T09-G	T09-G	No
T10-G	T10-G	No
T16-G	T16-G	No
T17-G	T17-G	No
T18-G	T18-G	No
T19-G	T19-G	No
T20-G	T20-G	No
T21-G	T21-G	No
T22-G	T22-G	No
T23-G	T23-G	No
T24-G	T24-G	No
T25-G	T25-G	No

Gene Expression - Bar Chart Data

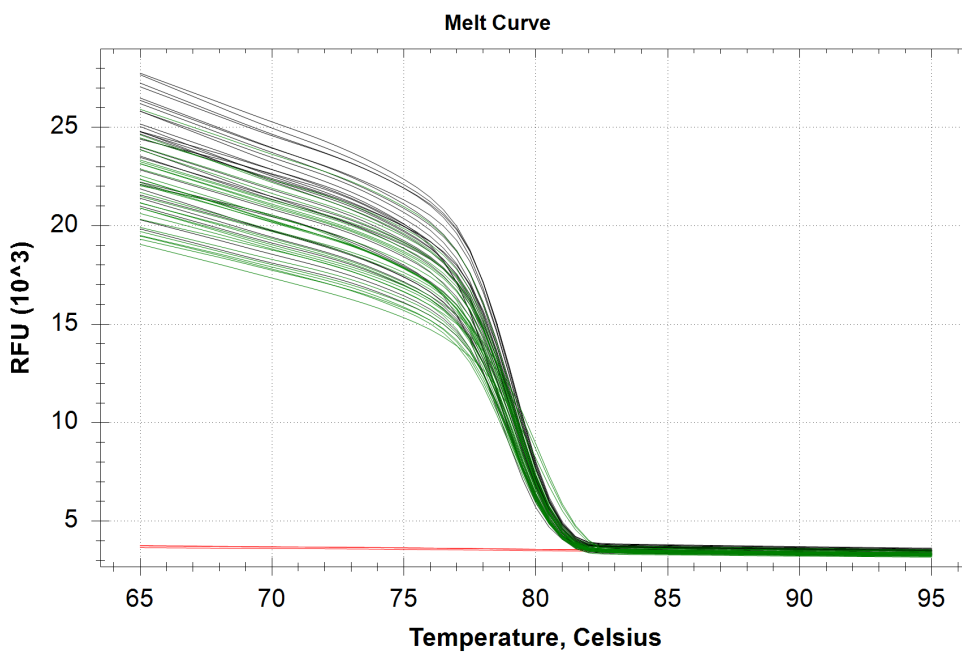
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
GADD45	T01-G		N/A	N/A	N/A	30.26	0.12064	N/A
GADD45	T02-G		N/A	N/A	N/A	30.06	0.08475	N/A
GADD45	T03-G		N/A	N/A	N/A	28.76	0.19578	N/A
GADD45	T04-G		N/A	N/A	N/A	31.86	0.03488	N/A
GADD45	T05-G		N/A	N/A	N/A	29.61	0.06074	N/A
GADD45	T06-g		N/A	N/A	N/A	31.53	0.07710	N/A

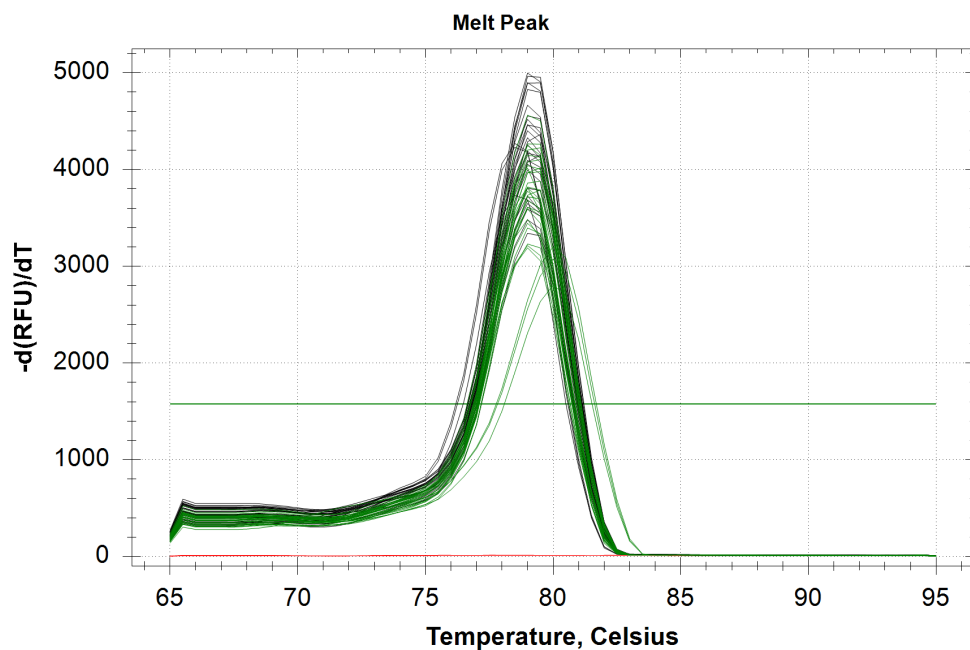
Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
GADD45	T07-G		N/A	N/A	N/A	29.57	0.15902	N/A
GADD45	T08-G		N/A	N/A	N/A	30.64	0.10797	N/A
GADD45	T09-G		N/A	N/A	N/A	29.23	0.04569	N/A
GADD45	T10-G		N/A	N/A	N/A	32.22	0.03495	N/A
GADD45	T16-G		N/A	N/A	N/A	30.55	0.14176	N/A
GADD45	T17-G		N/A	N/A	N/A	30.61	0.03494	N/A
GADD45	T18-G		N/A	N/A	N/A	31.50	0.05471	N/A
GADD45	T19-G		N/A	N/A	N/A	31.59	0.10750	N/A
GADD45	T20-G		N/A	N/A	N/A	30.63	0.12426	N/A
GADD45	T21-G		N/A	N/A	N/A	31.13	0.12483	N/A
GADD45	T22-G		N/A	N/A	N/A	30.17	0.10159	N/A
GADD45	T23-G		N/A	N/A	N/A	30.44	0.02852	N/A
GADD45	T24-G		N/A	N/A	N/A	31.09	0.03670	N/A
GADD45	T25-G		N/A	N/A	N/A	29.38	0.07834	N/A

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	GADD45	Unkn-01	T01-G	79.50
A02	SYBR	GADD45	Unkn-01	T01-G	79.50
A03	SYBR	GADD45	Unkn-01	T01-G	79.50
A04	SYBR	GADD45	Unkn-02	T02-G	79.50
A05	SYBR	GADD45	Unkn-02	T02-G	79.50
A06	SYBR	GADD45	Unkn-02	T02-G	79.00
A07	SYBR	GADD45	Unkn-03	T03-G	79.00
A08	SYBR	GADD45	Unkn-03	T03-G	79.00
A09	SYBR	GADD45	Unkn-03	T03-G	79.00
A10	SYBR	GADD45	Unkn-04	T04-G	79.00
A11	SYBR	GADD45	Unkn-04	T04-G	79.00
A12	SYBR	GADD45	Unkn-04	T04-G	79.00
B01	SYBR	GADD45	Unkn-05	T05-G	79.00
B02	SYBR	GADD45	Unkn-05	T05-G	79.00
B03	SYBR	GADD45	Unkn-05	T05-G	79.00
B04	SYBR	GADD45	Unkn-06	T06-g	80.00
B05	SYBR	GADD45	Unkn-06	T06-g	80.00
B06	SYBR	GADD45	Unkn-06	T06-g	80.00
B07	SYBR	GADD45	Unkn-07	T07-G	79.00
B08	SYBR	GADD45	Unkn-07	T07-G	79.50
B09	SYBR	GADD45	Unkn-07	T07-G	79.00
B10	SYBR	GADD45	Unkn-08	T08-G	79.00
B11	SYBR	GADD45	Unkn-08	T08-G	79.00
B12	SYBR	GADD45	Unkn-08	T08-G	79.00
C01	SYBR	GADD45	Unkn-09	T09-G	79.50
C02	SYBR	GADD45	Unkn-09	T09-G	79.00
C03	SYBR	GADD45	Unkn-09	T09-G	79.00
C04	SYBR	GADD45	Unkn-10	T10-G	79.00
C05	SYBR	GADD45	Unkn-10	T10-G	79.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
C06	SYBR	GADD45	Unkn-10	T10-G	79.00
C07	SYBR	GADD45	Unkn-11	T16-G	79.00
C08	SYBR	GADD45	Unkn-11	T16-G	79.00
C09	SYBR	GADD45	Unkn-11	T16-G	79.00
C10	SYBR	GADD45	Unkn-12	T17-G	79.00
C11	SYBR	GADD45	Unkn-12	T17-G	79.00
C12	SYBR	GADD45	Unkn-12	T17-G	79.00
D01	SYBR	GADD45	Unkn-13	T18-G	79.00
D02	SYBR	GADD45	Unkn-13	T18-G	79.00
D03	SYBR	GADD45	Unkn-13	T18-G	79.00
D04	SYBR	GADD45	Unkn-14	T19-G	79.00
D05	SYBR	GADD45	Unkn-14	T19-G	79.00
D06	SYBR	GADD45	Unkn-14	T19-G	79.00
D07	SYBR	GADD45	Unkn-15	T20-G	79.00
D08	SYBR	GADD45	Unkn-15	T20-G	79.00
D09	SYBR	GADD45	Unkn-15	T20-G	79.00
D10	SYBR	GADD45	Unkn-16	T21-G	79.00
D11	SYBR	GADD45	Unkn-16	T21-G	79.00
D12	SYBR	GADD45	Unkn-16	T21-G	79.50
E01	SYBR	GADD45	Unkn-17	T22-G	78.50
E02	SYBR	GADD45	Unkn-17	T22-G	78.50
E03	SYBR	GADD45	Unkn-17	T22-G	78.50
E04	SYBR	GADD45	Unkn-18	T23-G	79.00
E05	SYBR	GADD45	Unkn-18	T23-G	79.00
E06	SYBR	GADD45	Unkn-18	T23-G	79.50
E07	SYBR	GADD45	Unkn-19	T24-G	79.00
E08	SYBR	GADD45	Unkn-19	T24-G	79.00
E09	SYBR	GADD45	Unkn-19	T24-G	79.00
E10	SYBR	GADD45	Unkn-20	T25-G	79.00
E11	SYBR	GADD45	Unkn-20	T25-G	79.50
E12	SYBR	GADD45	Unkn-20	T25-G	79.50
F01	SYBR		NTC-01	NTC	None
F02	SYBR		NTC-01	NTC	None
F03	SYBR		NTC-01	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		False	

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
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:A1, A2, A3, A7, A8, A9, B7, B8, B9, C7, C8, C9, D7, D8, D9, D10, D11, D12.	False	