



sam_2020-08-25 05-22-37_BR006896.pcrd

08/25/2020 09:26

Report Information

User: BioRad/sam
Data File Name: sam_2020-08-25 05-22-37_BR006896.pcrd
Data File Path: F:\
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 08/25/2020 05:22
Run User: sam
Run Type: User-defined
Plate File: 20200825_pgen_RPL5-v2-v3.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: 60.0°C for 0:05
Plate Read
- 4: GOTO 2, 39 more times
- 5: Melt Curve 70.0°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 RPL5_v2 19	Unk-1 RPL5_v2 19	Unk-2 RPL5_v2 21	Unk-2 RPL5_v2 21	Unk-3 RPL5_v2 27	Unk-3 RPL5_v2 27	Unk-4 RPL5_v2 28	Unk-4 RPL5_v2 28	Unk-5 RPL5_v2 31	Unk-5 RPL5_v2 31	Unk-6 RPL5_v2 37	Unk-6 RPL5_v2 37
B	Unk-7 RPL5_v2 39	Unk-7 RPL5_v2 39	Unk-8 RPL5_v2 43	Unk-8 RPL5_v2 43	Unk-9 RPL5_v2 54	Unk-9 RPL5_v2 54	Unk-10 RPL5_v2 55(2)	Unk-10 RPL5_v2 55(2)	Unk-11 RPL5_v2 57	Unk-11 RPL5_v2 57	Unk-12 RPL5_v2 59	Unk-12 RPL5_v2 59
C	Unk-13 RPL5_v2 61	Unk-13 RPL5_v2 61	Pos-1 RPL5_v2	Pos-1 RPL5_v2	NTC-1 RPL5_v2	NTC-1 RPL5_v2						
D	Unk-14 RPL5_v3 19	Unk-14 RPL5_v3 19	Unk-15 RPL5_v3	Unk-15 RPL5_v3	Unk-16 RPL5_v3 27	Unk-16 RPL5_v3 27	Unk-17 RPL5_v3 28	Unk-17 RPL5_v3 28	Unk-18 RPL5_v3 31	Unk-18 RPL5_v3 31	Unk-19 RPL5_v3 37	Unk-19 RPL5_v3 37
E	Unk-20 RPL5_v3 39	Unk-20 RPL5_v3 39	Unk-21 RPL5_v3 43	Unk-21 RPL5_v3 43	Unk-22 RPL5_v3 54	Unk-22 RPL5_v3 54	Unk-23 RPL5_v3 55(2)	Unk-23 RPL5_v3 55(2)	Unk-24 RPL5_v3 57	Unk-24 RPL5_v3 57	Unk-25 RPL5_v3 59	Unk-25 RPL5_v3 59

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Unk-26 RPL5_v3 61	Unk-26 RPL5_v3 61	Pos-2 RPL5_v3	Pos-2 RPL5_v3	NTC-2 RPL5_v3	NTC-2 RPL5_v3						
G												
H												

Quantification

Step #: 3

Analysis Mode: Fluorophore

Cq Determination: Single Threshold

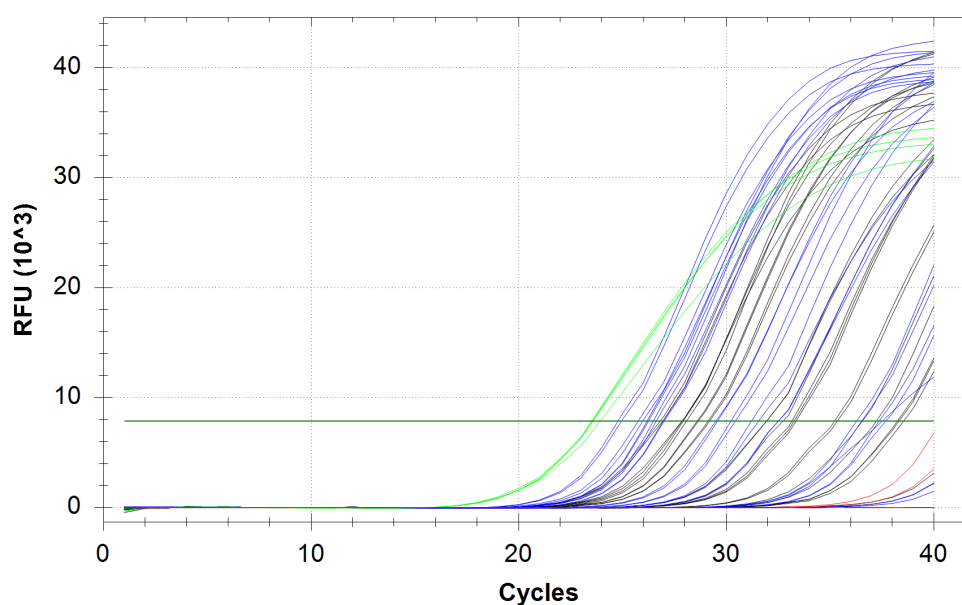
Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 7862.52, Auto Calculated

Amplification



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	RPL5_v2	Unkn-01	19	35.35	35.28	0.096
A02	SYBR	RPL5_v2	Unkn-01	19	35.21	35.28	0.096
A03	SYBR	RPL5_v2	Unkn-02	21	36.55	36.89	0.476
A04	SYBR	RPL5_v2	Unkn-02	21	37.22	36.89	0.476
A05	SYBR	RPL5_v2	Unkn-03	27	31.95	31.94	0.002
A06	SYBR	RPL5_v2	Unkn-03	27	31.94	31.94	0.002
A07	SYBR	RPL5_v2	Unkn-04	28	N/A	0.00	0.000
A08	SYBR	RPL5_v2	Unkn-04	28	N/A	0.00	0.000
A09	SYBR	RPL5_v2	Unkn-05	31	26.82	26.88	0.086
A10	SYBR	RPL5_v2	Unkn-05	31	26.94	26.88	0.086
A11	SYBR	RPL5_v2	Unkn-06	37	38.32	38.28	0.055
A12	SYBR	RPL5_v2	Unkn-06	37	38.24	38.28	0.055

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B01	SYBR	RPL5_v2	Unkn-07	39	38.54	38.54	0.000
B02	SYBR	RPL5_v2	Unkn-07	39	N/A	0.00	0.000
B03	SYBR	RPL5_v2	Unkn-08	43	27.88	27.88	0.011
B04	SYBR	RPL5_v2	Unkn-08	43	27.87	27.88	0.011
B05	SYBR	RPL5_v2	Unkn-09	54	33.16	32.95	0.298
B06	SYBR	RPL5_v2	Unkn-09	54	32.74	32.95	0.298
B07	SYBR	RPL5_v2	Unkn-10	55(2)	29.20	29.16	0.050
B08	SYBR	RPL5_v2	Unkn-10	55(2)	29.13	29.16	0.050
B09	SYBR	RPL5_v2	Unkn-11	57	33.36	33.31	0.066
B10	SYBR	RPL5_v2	Unkn-11	57	33.26	33.31	0.066
B11	SYBR	RPL5_v2	Unkn-12	59	28.66	28.63	0.041
B12	SYBR	RPL5_v2	Unkn-12	59	28.60	28.63	0.041
C01	SYBR	RPL5_v2	Unkn-13	61	27.93	28.00	0.111
C02	SYBR	RPL5_v2	Unkn-13	61	28.08	28.00	0.111
C03	SYBR	RPL5_v2	Pos Ctrl-01		23.51	23.53	0.030
C04	SYBR	RPL5_v2	Pos Ctrl-01		23.56	23.53	0.030
C05	SYBR	RPL5_v2	NTC-01		N/A	0.00	0.000
C06	SYBR	RPL5_v2	NTC-01		N/A	0.00	0.000
D01	SYBR	RPL5_v3	Unkn-14	19	32.51	32.51	0.003
D02	SYBR	RPL5_v3	Unkn-14	19	32.51	32.51	0.003
D03	SYBR	RPL5_v3	Unkn-15		N/A	0.00	0.000
D04	SYBR	RPL5_v3	Unkn-15		N/A	0.00	0.000
D05	SYBR	RPL5_v3	Unkn-16	27	29.58	29.54	0.056
D06	SYBR	RPL5_v3	Unkn-16	27	29.50	29.54	0.056
D07	SYBR	RPL5_v3	Unkn-17	28	37.69	37.69	0.000
D08	SYBR	RPL5_v3	Unkn-17	28	N/A	0.00	0.000
D09	SYBR	RPL5_v3	Unkn-18	31	24.95	24.87	0.119
D10	SYBR	RPL5_v3	Unkn-18	31	24.78	24.87	0.119
D11	SYBR	RPL5_v3	Unkn-19	37	36.28	36.40	0.175
D12	SYBR	RPL5_v3	Unkn-19	37	36.53	36.40	0.175
E01	SYBR	RPL5_v3	Unkn-20	39	37.36	37.44	0.108
E02	SYBR	RPL5_v3	Unkn-20	39	37.51	37.44	0.108
E03	SYBR	RPL5_v3	Unkn-21	43	25.98	25.87	0.154
E04	SYBR	RPL5_v3	Unkn-21	43	25.76	25.87	0.154
E05	SYBR	RPL5_v3	Unkn-22	54	30.44	30.33	0.150
E06	SYBR	RPL5_v3	Unkn-22	54	30.23	30.33	0.150
E07	SYBR	RPL5_v3	Unkn-23	55(2)	26.96	26.98	0.031
E08	SYBR	RPL5_v3	Unkn-23	55(2)	27.00	26.98	0.031
E09	SYBR	RPL5_v3	Unkn-24	57	31.56	31.39	0.245
E10	SYBR	RPL5_v3	Unkn-24	57	31.21	31.39	0.245
E11	SYBR	RPL5_v3	Unkn-25	59	26.49	26.56	0.103
E12	SYBR	RPL5_v3	Unkn-25	59	26.63	26.56	0.103
F01	SYBR	RPL5_v3	Unkn-26	61	26.25	26.22	0.046
F02	SYBR	RPL5_v3	Unkn-26	61	26.18	26.22	0.046
F03	SYBR	RPL5_v3	Pos Ctrl-02		23.93	23.75	0.248
F04	SYBR	RPL5_v3	Pos Ctrl-02		23.58	23.75	0.248

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F05	SYBR	RPL5_v3	NTC-02		N/A	0.00	0.000
F06	SYBR	RPL5_v3	NTC-02		N/A	0.00	0.000

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	SYBR:A7, A8, B2, D3, D4, D8.	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:A3, A4, B5, B6, E9, E10, F3, F4.	False	