sam_2024-12-10_16-01-52_CFX96-cGAS-03.pcrd

12/12/2024 14:43

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-10_16-01-52_CFX96-cGAS-03.pcrd
Data File Path: C:\Users\Samb\Downloads\lifestage-pcrs
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 12/10/2024 16:51
Run User: sam
Run Type: User-defined
Plate File: cgig-cGAS-cfx-plate-03.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

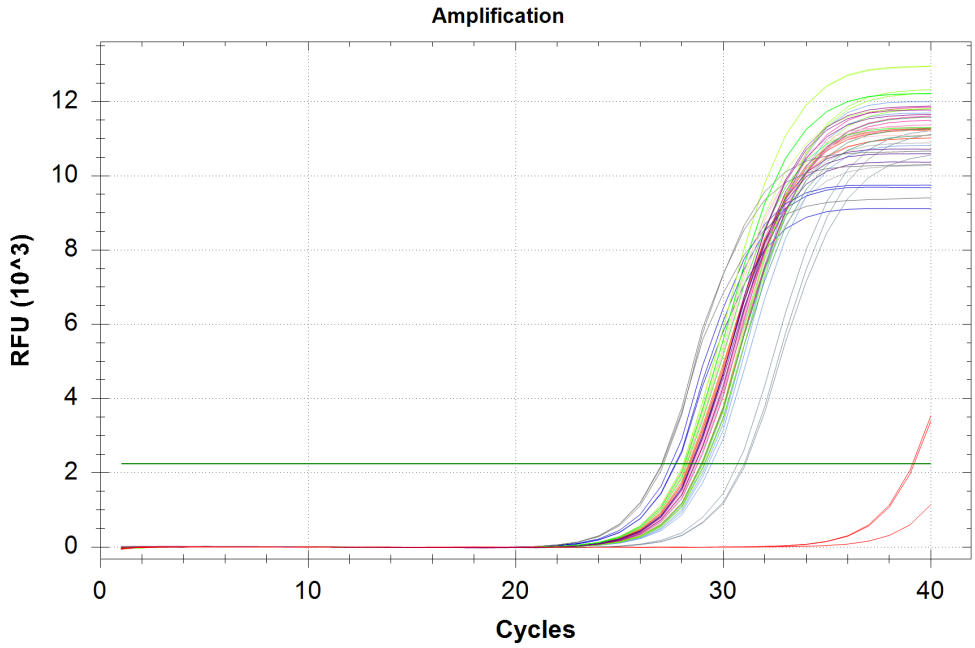
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_cGAS (SR IDs: 1826/7) 351	Unk-1 Cg_cGAS (SR IDs: 1826/7) 351	Unk-1 Cg_cGAS (SR IDs: 1826/7) 351	Unk-2 Cg_cGAS (SR IDs: 1826/7) 353	Unk-2 Cg_cGAS (SR IDs: 1826/7) 353	Unk-2 Cg_cGAS (SR IDs: 1826/7) 353	Unk-3 Cg_cGAS (SR IDs: 1826/7) 355	Unk-3 Cg_cGAS (SR IDs: 1826/7) 355	Unk-3 Cg_cGAS (SR IDs: 1826/7) 355	Unk-4 Cg_cGAS (SR IDs: 1826/7) 357	Unk-4 Cg_cGAS (SR IDs: 1826/7) 357	Unk-4 Cg_cGAS (SR IDs: 1826/7) 357
B	Unk-5 Cg_cGAS (SR IDs: 1826/7) 360	Unk-5 Cg_cGAS (SR IDs: 1826/7) 360	Unk-5 Cg_cGAS (SR IDs: 1826/7) 360	Unk-6 Cg_cGAS (SR IDs: 1826/7) 361	Unk-6 Cg_cGAS (SR IDs: 1826/7) 361	Unk-6 Cg_cGAS (SR IDs: 1826/7) 361	Unk-7 Cg_cGAS (SR IDs: 1826/7) 364	Unk-7 Cg_cGAS (SR IDs: 1826/7) 364	Unk-7 Cg_cGAS (SR IDs: 1826/7) 364	Unk-8 Cg_cGAS (SR IDs: 1826/7) 371	Unk-8 Cg_cGAS (SR IDs: 1826/7) 371	Unk-8 Cg_cGAS (SR IDs: 1826/7) 371
C	Unk-9 Cg_cGAS (SR IDs: 1826/7) 374	Unk-9 Cg_cGAS (SR IDs: 1826/7) 374	Unk-9 Cg_cGAS (SR IDs: 1826/7) 374	Unk-10 Cg_cGAS (SR IDs: 1826/7) 378	Unk-10 Cg_cGAS (SR IDs: 1826/7) 378	Unk-10 Cg_cGAS (SR IDs: 1826/7) 378	Unk-11 Cg_cGAS (SR IDs: 1826/7) 381	Unk-11 Cg_cGAS (SR IDs: 1826/7) 381	Unk-11 Cg_cGAS (SR IDs: 1826/7) 381	Unk-12 Cg_cGAS (SR IDs: 1826/7) 386	Unk-12 Cg_cGAS (SR IDs: 1826/7) 386	Unk-12 Cg_cGAS (SR IDs: 1826/7) 386

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 Cg_cGAS (SR IDs: 1826/7) 392	Unk-13 Cg_cGAS (SR IDs: 1826/7) 392	Unk-13 Cg_cGAS (SR IDs: 1826/7) 392	Unk-14 Cg_cGAS (SR IDs: 1826/7) 394	Unk-14 Cg_cGAS (SR IDs: 1826/7) 394	Unk-14 Cg_cGAS (SR IDs: 1826/7) 394	Unk-15 Cg_cGAS (SR IDs: 1826/7) 395	Unk-15 Cg_cGAS (SR IDs: 1826/7) 395	Unk-15 Cg_cGAS (SR IDs: 1826/7) 395	NTC-1 Cg_cGAS (SR IDs: 1826/7) NTC	NTC-1 Cg_cGAS (SR IDs: 1826/7) NTC	NTC-1 Cg_cGAS (SR IDs: 1826/7) NTC
E												
F												
G												
H												

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2249.64, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	351	28.66	28.68	0.051
A02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	351	28.74	28.68	0.051
A03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	351	28.64	28.68	0.051
A04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	353	28.67	28.62	0.051

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	353	28.63	28.62	0.051
A06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	353	28.57	28.62	0.051
A07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	355	28.40	28.37	0.037
A08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	355	28.37	28.37	0.037
A09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	355	28.33	28.37	0.037
A10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	357	27.70	27.64	0.136
A11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	357	27.48	27.64	0.136
A12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	357	27.73	27.64	0.136
B01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	360	28.95	28.89	0.092
B02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	360	28.94	28.89	0.092
B03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	360	28.79	28.89	0.092
B04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	361	29.44	29.31	0.121
B05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	361	29.20	29.31	0.121
B06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	361	29.29	29.31	0.121
B07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	364	28.09	28.12	0.065
B08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	364	28.07	28.12	0.065
B09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	364	28.19	28.12	0.065
B10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	371	31.02	30.93	0.207
B11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	371	30.69	30.93	0.207
B12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	371	31.07	30.93	0.207

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
C01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	374	29.09	29.02	0.065
C02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	374	28.97	29.02	0.065
C03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	374	29.01	29.02	0.065
C04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	378	29.13	29.03	0.098
C05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	378	29.02	29.03	0.098
C06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	378	28.94	29.03	0.098
C07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	381	28.46	28.47	0.030
C08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	381	28.46	28.47	0.030
C09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	381	28.51	28.47	0.030
C10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	386	27.13	27.08	0.047
C11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	386	27.04	27.08	0.047
C12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	386	27.06	27.08	0.047
D01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	392	28.11	28.19	0.075
D02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	392	28.22	28.19	0.075
D03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	392	28.25	28.19	0.075
D04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	394	28.26	28.18	0.064
D05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	394	28.14	28.18	0.064
D06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	394	28.14	28.18	0.064
D07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	395	28.50	28.55	0.088
D08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	395	28.50	28.55	0.088

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	395	28.65	28.55	0.088
D10	SYBR	Cg_cGAS (SR IDs: 1826/7)	NTC-01	NTC	39.19	39.16	0.054
D11	SYBR	Cg_cGAS (SR IDs: 1826/7)	NTC-01	NTC	39.12	39.16	0.054
D12	SYBR	Cg_cGAS (SR IDs: 1826/7)	NTC-01	NTC	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		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		False	