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

12/12/2024 14:39

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-10_16-01-52_CFX96-cGAS-01.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 16:02
Run User: sam
Run Type: User-defined
Plate File: cgig-cGAS-cfx-plate-01.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

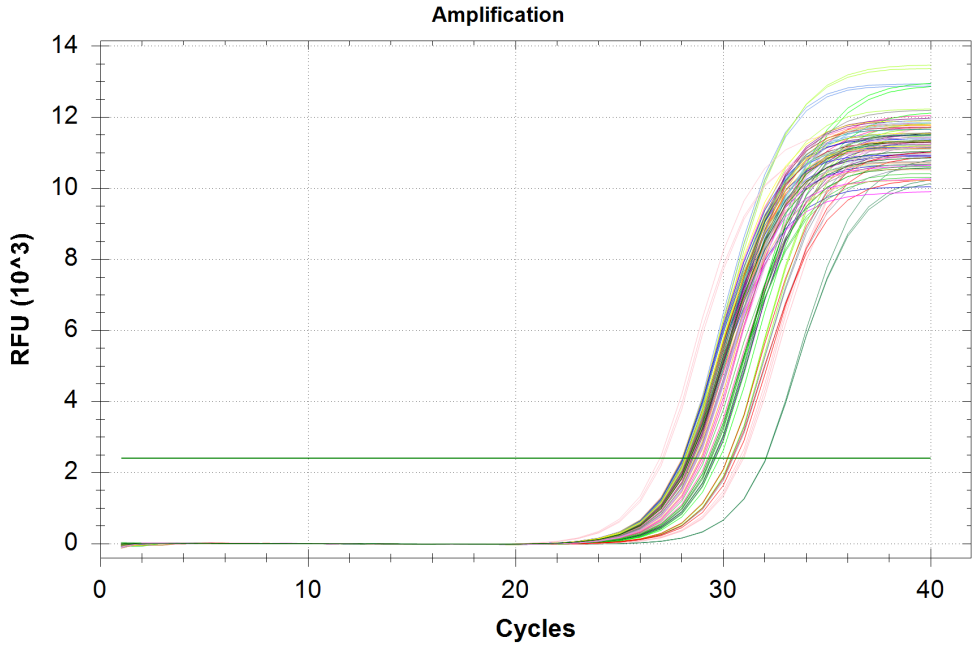
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_cGAS (SR IDs: 1826/7) 201	Unk-1 Cg_cGAS (SR IDs: 1826/7) 201	Unk-1 Cg_cGAS (SR IDs: 1826/7) 201	Unk-2 Cg_cGAS (SR IDs: 1826/7) 202	Unk-2 Cg_cGAS (SR IDs: 1826/7) 202	Unk-2 Cg_cGAS (SR IDs: 1826/7) 202	Unk-3 Cg_cGAS (SR IDs: 1826/7) 203	Unk-3 Cg_cGAS (SR IDs: 1826/7) 203	Unk-3 Cg_cGAS (SR IDs: 1826/7) 203	Unk-4 Cg_cGAS (SR IDs: 1826/7) 204	Unk-4 Cg_cGAS (SR IDs: 1826/7) 204	Unk-4 Cg_cGAS (SR IDs: 1826/7) 204
B	Unk-5 Cg_cGAS (SR IDs: 1826/7) 205	Unk-5 Cg_cGAS (SR IDs: 1826/7) 205	Unk-5 Cg_cGAS (SR IDs: 1826/7) 205	Unk-6 Cg_cGAS (SR IDs: 1826/7) 207	Unk-6 Cg_cGAS (SR IDs: 1826/7) 207	Unk-6 Cg_cGAS (SR IDs: 1826/7) 207	Unk-7 Cg_cGAS (SR IDs: 1826/7) 208	Unk-7 Cg_cGAS (SR IDs: 1826/7) 208	Unk-7 Cg_cGAS (SR IDs: 1826/7) 208	Unk-8 Cg_cGAS (SR IDs: 1826/7) 209	Unk-8 Cg_cGAS (SR IDs: 1826/7) 209	Unk-8 Cg_cGAS (SR IDs: 1826/7) 209
C	Unk-9 Cg_cGAS (SR IDs: 1826/7) 213	Unk-9 Cg_cGAS (SR IDs: 1826/7) 213	Unk-9 Cg_cGAS (SR IDs: 1826/7) 213	Unk-10 Cg_cGAS (SR IDs: 1826/7) 214	Unk-10 Cg_cGAS (SR IDs: 1826/7) 214	Unk-10 Cg_cGAS (SR IDs: 1826/7) 214	Unk-11 Cg_cGAS (SR IDs: 1826/7) 216	Unk-11 Cg_cGAS (SR IDs: 1826/7) 216	Unk-11 Cg_cGAS (SR IDs: 1826/7) 216	Unk-12 Cg_cGAS (SR IDs: 1826/7) 219	Unk-12 Cg_cGAS (SR IDs: 1826/7) 219	Unk-12 Cg_cGAS (SR IDs: 1826/7) 219

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 Cg_cGAS (SR IDs: 1826/7) 227	Unk-13 Cg_cGAS (SR IDs: 1826/7) 227	Unk-13 Cg_cGAS (SR IDs: 1826/7) 227	Unk-14 Cg_cGAS (SR IDs: 1826/7) 229	Unk-14 Cg_cGAS (SR IDs: 1826/7) 229	Unk-14 Cg_cGAS (SR IDs: 1826/7) 229	Unk-15 Cg_cGAS (SR IDs: 1826/7) 230	Unk-15 Cg_cGAS (SR IDs: 1826/7) 230	Unk-15 Cg_cGAS (SR IDs: 1826/7) 230	Unk-16 Cg_cGAS (SR IDs: 1826/7) 231	Unk-16 Cg_cGAS (SR IDs: 1826/7) 231	Unk-16 Cg_cGAS (SR IDs: 1826/7) 231
E	Unk-17 Cg_cGAS (SR IDs: 1826/7) 232	Unk-17 Cg_cGAS (SR IDs: 1826/7) 232	Unk-17 Cg_cGAS (SR IDs: 1826/7) 232	Unk-18 Cg_cGAS (SR IDs: 1826/7) 233	Unk-18 Cg_cGAS (SR IDs: 1826/7) 233	Unk-18 Cg_cGAS (SR IDs: 1826/7) 233	Unk-19 Cg_cGAS (SR IDs: 1826/7) 235	Unk-19 Cg_cGAS (SR IDs: 1826/7) 235	Unk-19 Cg_cGAS (SR IDs: 1826/7) 235	Unk-20 Cg_cGAS (SR IDs: 1826/7) 236	Unk-20 Cg_cGAS (SR IDs: 1826/7) 236	Unk-20 Cg_cGAS (SR IDs: 1826/7) 236
F	Unk-21 Cg_cGAS (SR IDs: 1826/7) 237	Unk-21 Cg_cGAS (SR IDs: 1826/7) 237	Unk-21 Cg_cGAS (SR IDs: 1826/7) 237	Unk-22 Cg_cGAS (SR IDs: 1826/7) 238	Unk-22 Cg_cGAS (SR IDs: 1826/7) 238	Unk-22 Cg_cGAS (SR IDs: 1826/7) 238	Unk-23 Cg_cGAS (SR IDs: 1826/7) 239	Unk-23 Cg_cGAS (SR IDs: 1826/7) 239	Unk-23 Cg_cGAS (SR IDs: 1826/7) 239	Unk-24 Cg_cGAS (SR IDs: 1826/7) 240	Unk-24 Cg_cGAS (SR IDs: 1826/7) 240	Unk-24 Cg_cGAS (SR IDs: 1826/7) 240
G	Unk-25 Cg_cGAS (SR IDs: 1826/7) 241	Unk-25 Cg_cGAS (SR IDs: 1826/7) 241	Unk-25 Cg_cGAS (SR IDs: 1826/7) 241	Unk-26 Cg_cGAS (SR IDs: 1826/7) 245	Unk-26 Cg_cGAS (SR IDs: 1826/7) 245	Unk-26 Cg_cGAS (SR IDs: 1826/7) 245	Unk-27 Cg_cGAS (SR IDs: 1826/7) 248	Unk-27 Cg_cGAS (SR IDs: 1826/7) 248	Unk-27 Cg_cGAS (SR IDs: 1826/7) 248	Unk-28 Cg_cGAS (SR IDs: 1826/7) 250	Unk-28 Cg_cGAS (SR IDs: 1826/7) 250	Unk-28 Cg_cGAS (SR IDs: 1826/7) 250
H	Unk-29 Cg_cGAS (SR IDs: 1826/7) 252	Unk-29 Cg_cGAS (SR IDs: 1826/7) 252	Unk-29 Cg_cGAS (SR IDs: 1826/7) 252	Unk-30 Cg_cGAS (SR IDs: 1826/7) 258	Unk-30 Cg_cGAS (SR IDs: 1826/7) 258	Unk-30 Cg_cGAS (SR IDs: 1826/7) 258	Unk-31 Cg_cGAS (SR IDs: 1826/7) 263	Unk-31 Cg_cGAS (SR IDs: 1826/7) 263	Unk-31 Cg_cGAS (SR IDs: 1826/7) 263	Unk-32 Cg_cGAS (SR IDs: 1826/7) 268	Unk-32 Cg_cGAS (SR IDs: 1826/7) 268	Unk-32 Cg_cGAS (SR IDs: 1826/7) 268

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2407.02, 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	201	28.42	28.30	0.116
A02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	201	28.18	28.30	0.116
A03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	201	28.32	28.30	0.116
A04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	202	28.17	28.08	0.080
A05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	202	28.07	28.08	0.080
A06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	202	28.01	28.08	0.080
A07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	203	28.25	28.32	0.088
A08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	203	28.30	28.32	0.088
A09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	203	28.42	28.32	0.088
A10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	204	28.18	28.23	0.084
A11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	204	28.18	28.23	0.084
A12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	204	28.33	28.23	0.084
B01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	205	29.24	29.09	0.134
B02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	205	28.98	29.09	0.134
B03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	205	29.05	29.09	0.134
B04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	207	28.27	28.13	0.126
B05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	207	28.03	28.13	0.126
B06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	207	28.09	28.13	0.126
B07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	208	28.15	28.13	0.067

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	208	28.05	28.13	0.067
B09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	208	28.18	28.13	0.067
B10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	209	30.38	30.41	0.051
B11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	209	30.38	30.41	0.051
B12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	209	30.47	30.41	0.051
C01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	213	32.06	32.06	0.009
C02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	213	32.06	32.06	0.009
C03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	213	32.05	32.06	0.009
C04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	214	30.36	30.26	0.086
C05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	214	30.20	30.26	0.086
C06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	214	30.22	30.26	0.086
C07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	216	29.61	29.56	0.045
C08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	216	29.52	29.56	0.045
C09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	216	29.55	29.56	0.045
C10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	219	28.08	28.12	0.038
C11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	219	28.16	28.12	0.038
C12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	219	28.13	28.12	0.038
D01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	227	30.98	30.89	0.096
D02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	227	30.79	30.89	0.096
D03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	227	30.89	30.89	0.096

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	229	29.81	29.65	0.149
D05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	229	29.52	29.65	0.149
D06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	229	29.63	29.65	0.149
D07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	230	28.48	28.49	0.014
D08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	230	28.51	28.49	0.014
D09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	230	28.49	28.49	0.014
D10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	231	29.37	29.37	0.057
D11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	231	29.42	29.37	0.057
D12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	231	29.31	29.37	0.057
E01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	232	28.08	28.06	0.027
E02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	232	28.03	28.06	0.027
E03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	232	28.05	28.06	0.027
E04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	233	27.07	27.05	0.094
E05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	233	27.14	27.05	0.094
E06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	233	26.95	27.05	0.094
E07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	235	28.29	28.26	0.032
E08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	235	28.23	28.26	0.032
E09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	235	28.25	28.26	0.032
E10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	236	30.20	30.41	0.201
E11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	236	30.61	30.41	0.201

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	236	30.43	30.41	0.201
F01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	237	28.72	28.68	0.141
F02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	237	28.79	28.68	0.141
F03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	237	28.52	28.68	0.141
F04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	238	28.56	28.43	0.119
F05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	238	28.39	28.43	0.119
F06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	238	28.33	28.43	0.119
F07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	239	28.78	28.77	0.141
F08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	239	28.62	28.77	0.141
F09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	239	28.90	28.77	0.141
F10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	240	28.20	28.18	0.069
F11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	240	28.10	28.18	0.069
F12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	240	28.22	28.18	0.069
G01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	241	28.53	28.44	0.076
G02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	241	28.40	28.44	0.076
G03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	241	28.40	28.44	0.076
G04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	245	28.17	28.12	0.086
G05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	245	28.17	28.12	0.086
G06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	245	28.02	28.12	0.086
G07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	248	28.76	28.74	0.030

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
G08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	248	28.75	28.74	0.030
G09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	248	28.71	28.74	0.030
G10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	250	28.54	28.63	0.078
G11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	250	28.66	28.63	0.078
G12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	250	28.68	28.63	0.078
H01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	252	29.30	29.25	0.107
H02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	252	29.31	29.25	0.107
H03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	252	29.12	29.25	0.107
H04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	258	28.53	28.42	0.094
H05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	258	28.38	28.42	0.094
H06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	258	28.35	28.42	0.094
H07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	263	28.95	28.81	0.126
H08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	263	28.77	28.81	0.126
H09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	263	28.71	28.81	0.126
H10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	268	28.35	28.39	0.038
H11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	268	28.42	28.39	0.038
H12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	268	28.40	28.39	0.038

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	