sam_2024-12-10_16-30-41_Connect-cGAS-02.pcrd

12/12/2024 14:41

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-10_16-30-41_Connect-cGAS-02.pcrd
Data File Path: C:\Users\Samb\Downloads\lifestage-pcrs
Well Group Name: All Wells
Report Differs from Last Save: Yes

Run Setup

Run Information

Run Date: 12/10/2024 16:30
Run User: sam
Run Type: User-defined
Plate File: cgig-cGAS-cfx-plate-02.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

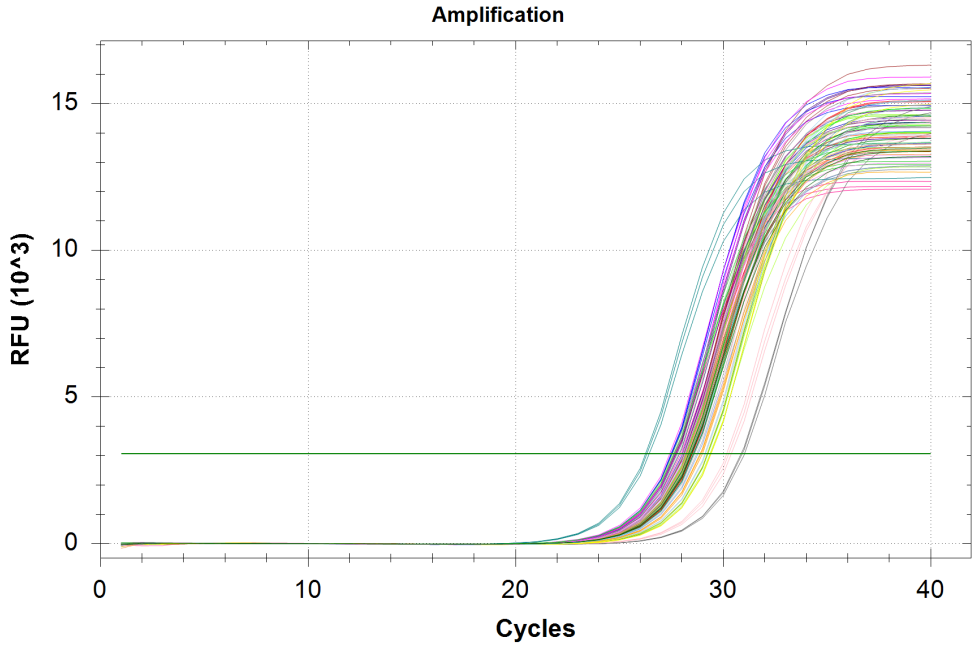
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_cGAS (SR IDs: 1826/7) 270	Unk-1 Cg_cGAS (SR IDs: 1826/7) 270	Unk-1 Cg_cGAS (SR IDs: 1826/7) 270	Unk-2 Cg_cGAS (SR IDs: 1826/7) 271	Unk-2 Cg_cGAS (SR IDs: 1826/7) 271	Unk-2 Cg_cGAS (SR IDs: 1826/7) 271	Unk-3 Cg_cGAS (SR IDs: 1826/7) 272	Unk-3 Cg_cGAS (SR IDs: 1826/7) 272	Unk-3 Cg_cGAS (SR IDs: 1826/7) 272	Unk-4 Cg_cGAS (SR IDs: 1826/7) 273	Unk-4 Cg_cGAS (SR IDs: 1826/7) 273	Unk-4 Cg_cGAS (SR IDs: 1826/7) 273
B	Unk-5 Cg_cGAS (SR IDs: 1826/7) 275	Unk-5 Cg_cGAS (SR IDs: 1826/7) 275	Unk-5 Cg_cGAS (SR IDs: 1826/7) 275	Unk-6 Cg_cGAS (SR IDs: 1826/7) 276	Unk-6 Cg_cGAS (SR IDs: 1826/7) 276	Unk-6 Cg_cGAS (SR IDs: 1826/7) 276	Unk-7 Cg_cGAS (SR IDs: 1826/7) 277	Unk-7 Cg_cGAS (SR IDs: 1826/7) 277	Unk-7 Cg_cGAS (SR IDs: 1826/7) 277	Unk-8 Cg_cGAS (SR IDs: 1826/7) 279	Unk-8 Cg_cGAS (SR IDs: 1826/7) 279	Unk-8 Cg_cGAS (SR IDs: 1826/7) 279
C	Unk-9 Cg_cGAS (SR IDs: 1826/7) 280	Unk-9 Cg_cGAS (SR IDs: 1826/7) 280	Unk-9 Cg_cGAS (SR IDs: 1826/7) 280	Unk-10 Cg_cGAS (SR IDs: 1826/7) 287	Unk-10 Cg_cGAS (SR IDs: 1826/7) 287	Unk-10 Cg_cGAS (SR IDs: 1826/7) 287	Unk-11 Cg_cGAS (SR IDs: 1826/7) 290	Unk-11 Cg_cGAS (SR IDs: 1826/7) 290	Unk-11 Cg_cGAS (SR IDs: 1826/7) 290	Unk-12 Cg_cGAS (SR IDs: 1826/7) 291	Unk-12 Cg_cGAS (SR IDs: 1826/7) 291	Unk-12 Cg_cGAS (SR IDs: 1826/7) 291

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 Cg_cGAS (SR IDs: 1826/7) 293	Unk-13 Cg_cGAS (SR IDs: 1826/7) 293	Unk-13 Cg_cGAS (SR IDs: 1826/7) 293	Unk-14 Cg_cGAS (SR IDs: 1826/7) 294	Unk-14 Cg_cGAS (SR IDs: 1826/7) 294	Unk-14 Cg_cGAS (SR IDs: 1826/7) 294	Unk-15 Cg_cGAS (SR IDs: 1826/7) 295	Unk-15 Cg_cGAS (SR IDs: 1826/7) 295	Unk-15 Cg_cGAS (SR IDs: 1826/7) 295	Unk-16 Cg_cGAS (SR IDs: 1826/7) 297	Unk-16 Cg_cGAS (SR IDs: 1826/7) 297	Unk-16 Cg_cGAS (SR IDs: 1826/7) 297
E	Unk-17 Cg_cGAS (SR IDs: 1826/7) 301	Unk-17 Cg_cGAS (SR IDs: 1826/7) 301	Unk-17 Cg_cGAS (SR IDs: 1826/7) 301	Unk-18 Cg_cGAS (SR IDs: 1826/7) 302	Unk-18 Cg_cGAS (SR IDs: 1826/7) 302	Unk-18 Cg_cGAS (SR IDs: 1826/7) 302	Unk-19 Cg_cGAS (SR IDs: 1826/7) 306	Unk-19 Cg_cGAS (SR IDs: 1826/7) 306	Unk-19 Cg_cGAS (SR IDs: 1826/7) 306	Unk-20 Cg_cGAS (SR IDs: 1826/7) 310	Unk-20 Cg_cGAS (SR IDs: 1826/7) 310	Unk-20 Cg_cGAS (SR IDs: 1826/7) 310
F	Unk-21 Cg_cGAS (SR IDs: 1826/7) 311	Unk-21 Cg_cGAS (SR IDs: 1826/7) 311	Unk-21 Cg_cGAS (SR IDs: 1826/7) 311	Unk-22 Cg_cGAS (SR IDs: 1826/7) 316	Unk-22 Cg_cGAS (SR IDs: 1826/7) 316	Unk-22 Cg_cGAS (SR IDs: 1826/7) 316	Unk-23 Cg_cGAS (SR IDs: 1826/7) 317	Unk-23 Cg_cGAS (SR IDs: 1826/7) 317	Unk-23 Cg_cGAS (SR IDs: 1826/7) 317	Unk-24 Cg_cGAS (SR IDs: 1826/7) 318	Unk-24 Cg_cGAS (SR IDs: 1826/7) 318	Unk-24 Cg_cGAS (SR IDs: 1826/7) 318
G	Unk-25 Cg_cGAS (SR IDs: 1826/7) 324	Unk-25 Cg_cGAS (SR IDs: 1826/7) 324	Unk-25 Cg_cGAS (SR IDs: 1826/7) 324	Unk-26 Cg_cGAS (SR IDs: 1826/7) 326	Unk-26 Cg_cGAS (SR IDs: 1826/7) 326	Unk-26 Cg_cGAS (SR IDs: 1826/7) 326	Unk-27 Cg_cGAS (SR IDs: 1826/7) 334	Unk-27 Cg_cGAS (SR IDs: 1826/7) 334	Unk-27 Cg_cGAS (SR IDs: 1826/7) 334	Unk-28 Cg_cGAS (SR IDs: 1826/7) 341	Unk-28 Cg_cGAS (SR IDs: 1826/7) 341	Unk-28 Cg_cGAS (SR IDs: 1826/7) 341
H	Unk-29 Cg_cGAS (SR IDs: 1826/7) 343	Unk-29 Cg_cGAS (SR IDs: 1826/7) 343	Unk-29 Cg_cGAS (SR IDs: 1826/7) 343	Unk-30 Cg_cGAS (SR IDs: 1826/7) 344	Unk-30 Cg_cGAS (SR IDs: 1826/7) 344	Unk-30 Cg_cGAS (SR IDs: 1826/7) 344	Unk-31 Cg_cGAS (SR IDs: 1826/7) 346	Unk-31 Cg_cGAS (SR IDs: 1826/7) 346	Unk-31 Cg_cGAS (SR IDs: 1826/7) 346	Unk-32 Cg_cGAS (SR IDs: 1826/7) 349	Unk-32 Cg_cGAS (SR IDs: 1826/7) 349	Unk-32 Cg_cGAS (SR IDs: 1826/7) 349

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3064.32, 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	270	28.72	28.60	0.128
A02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	270	28.46	28.60	0.128
A03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-01	270	28.63	28.60	0.128
A04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	271	28.14	28.08	0.047
A05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	271	28.05	28.08	0.047
A06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-02	271	28.06	28.08	0.047
A07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	272	28.31	28.27	0.044
A08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	272	28.23	28.27	0.044
A09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-03	272	28.25	28.27	0.044
A10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	273	28.10	28.12	0.106
A11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	273	28.03	28.12	0.106
A12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-04	273	28.24	28.12	0.106
B01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	275	27.97	27.80	0.151
B02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	275	27.69	27.80	0.151
B03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-05	275	27.73	27.80	0.151
B04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	276	28.78	28.59	0.184
B05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	276	28.58	28.59	0.184
B06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-06	276	28.41	28.59	0.184
B07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	277	29.26	29.29	0.061

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
B08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	277	29.25	29.29	0.061
B09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-07	277	29.36	29.29	0.061
B10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	279	28.32	28.32	0.016
B11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	279	28.31	28.32	0.016
B12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-08	279	28.34	28.32	0.016
C01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	280	29.23	29.29	0.099
C02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	280	29.40	29.29	0.099
C03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-09	280	29.24	29.29	0.099
C04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	287	28.22	28.22	0.006
C05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	287	28.21	28.22	0.006
C06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-10	287	28.21	28.22	0.006
C07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	290	27.71	27.79	0.091
C08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	290	27.77	27.79	0.091
C09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-11	290	27.89	27.79	0.091
C10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	291	30.91	30.93	0.086
C11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	291	30.86	30.93	0.086
C12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-12	291	31.02	30.93	0.086
D01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	293	30.26	30.27	0.111
D02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	293	30.16	30.27	0.111
D03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-13	293	30.39	30.27	0.111

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	294	28.57	28.45	0.115
D05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	294	28.43	28.45	0.115
D06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-14	294	28.34	28.45	0.115
D07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	295	28.05	28.10	0.038
D08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	295	28.12	28.10	0.038
D09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-15	295	28.12	28.10	0.038
D10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	297	28.40	28.40	0.072
D11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	297	28.47	28.40	0.072
D12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-16	297	28.33	28.40	0.072
E01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	301	27.52	27.50	0.018
E02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	301	27.50	27.50	0.018
E03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-17	301	27.49	27.50	0.018
E04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	302	29.00	29.00	0.118
E05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	302	29.12	29.00	0.118
E06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-18	302	28.88	29.00	0.118
E07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	306	28.08	28.09	0.003
E08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	306	28.09	28.09	0.003
E09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-19	306	28.09	28.09	0.003
E10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	310	28.44	28.49	0.040
E11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	310	28.50	28.49	0.040

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-20	310	28.52	28.49	0.040
F01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	311	29.12	29.13	0.018
F02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	311	29.12	29.13	0.018
F03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-21	311	29.15	29.13	0.018
F04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	316	26.43	26.33	0.088
F05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	316	26.26	26.33	0.088
F06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-22	316	26.32	26.33	0.088
F07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	317	29.00	28.93	0.060
F08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	317	28.88	28.93	0.060
F09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-23	317	28.92	28.93	0.060
F10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	318	28.07	28.00	0.140
F11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	318	27.84	28.00	0.140
F12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-24	318	28.08	28.00	0.140
G01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	324	27.42	27.57	0.133
G02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	324	27.63	27.57	0.133
G03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-25	324	27.67	27.57	0.133
G04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	326	29.39	29.34	0.102
G05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	326	29.22	29.34	0.102
G06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-26	326	29.41	29.34	0.102
G07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	334	28.54	28.51	0.076

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
G08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	334	28.42	28.51	0.076
G09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-27	334	28.57	28.51	0.076
G10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	341	28.24	28.27	0.105
G11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	341	28.18	28.27	0.105
G12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-28	341	28.38	28.27	0.105
H01	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	343	27.55	27.61	0.054
H02	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	343	27.61	27.61	0.054
H03	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-29	343	27.66	27.61	0.054
H04	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	344	28.37	28.29	0.066
H05	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	344	28.27	28.29	0.066
H06	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-30	344	28.24	28.29	0.066
H07	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	346	28.14	28.08	0.049
H08	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	346	28.05	28.08	0.049
H09	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-31	346	28.05	28.08	0.049
H10	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	349	28.47	28.50	0.066
H11	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	349	28.57	28.50	0.066
H12	SYBR	Cg_cGAS (SR IDs: 1826/7)	Unkn-32	349	28.44	28.50	0.066

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	