sam_2026-01-27_11-49-08_CFX96-cGAS-02.pcrd

1/29/2026 9:53 AM

Report Information

User: BioRad/sam
Data File Name: sam_2026-01-27_11-49-08_CFX96-cGAS-02.pcrd
Data File Path: C:\Users\sam\Desktop\polyIC_qPCRs
Well Group Name: All Wells
Report Differs from Last Save: Yes

Run Setup

Run Information

Run Date: 1/27/2026 11:49 AM
Run User: sam
Run Type: User-defined
Plate File: mgig-02-cGAS-polyIC-valentina-cfx-plate.pltd
ID:
Notes: cGAS - Primer SRIDs 1826 and 1827
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

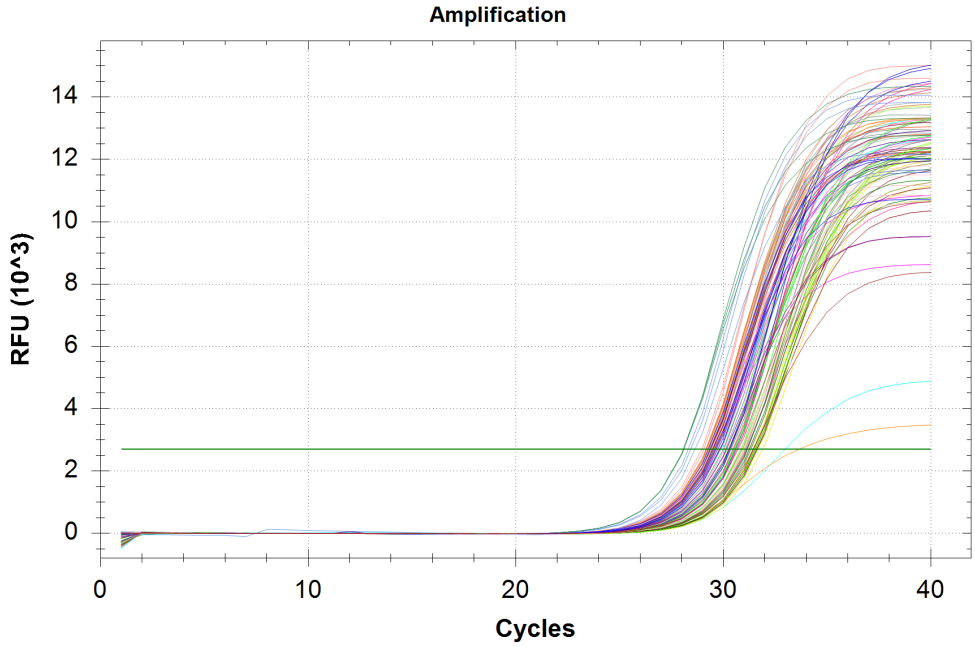
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 cGAS C3M	Unk-1 cGAS C3M	Unk-1 cGAS C3M	Unk-2 cGAS C4M	Unk-2 cGAS C4M	Unk-2 cGAS C4M	Unk-3 cGAS C5M	Unk-3 cGAS C5M	Unk-3 cGAS C5M	Unk-4 cGAS D1M	Unk-4 cGAS D1M	Unk-4 cGAS D1M
B	Unk-5 cGAS D2M	Unk-5 cGAS D2M	Unk-5 cGAS D2M	Unk-6 cGAS D3M	Unk-6 cGAS D3M	Unk-6 cGAS D3M	Unk-7 cGAS D4M	Unk-7 cGAS D4M	Unk-7 cGAS D4M	Unk-8 cGAS D5M	Unk-8 cGAS D5M	Unk-8 cGAS D5M
C	Unk-9 cGAS A1T	Unk-9 cGAS A1T	Unk-9 cGAS A1T	Unk-10 cGAS A2T	Unk-10 cGAS A2T	Unk-10 cGAS A2T	Unk-11 cGAS A3T	Unk-11 cGAS A3T	Unk-11 cGAS A3T	Unk-12 cGAS A4T	Unk-12 cGAS A4T	Unk-12 cGAS A4T
D	Unk-13 cGAS A5T	Unk-13 cGAS A5T	Unk-13 cGAS A5T	Unk-14 cGAS B1T	Unk-14 cGAS B1T	Unk-14 cGAS B1T	Unk-15 cGAS B2T	Unk-15 cGAS B2T	Unk-15 cGAS B2T	Unk-16 cGAS B3T	Unk-16 cGAS B3T	Unk-16 cGAS B3T
E	Unk-17 cGAS B4T	Unk-17 cGAS B4T	Unk-17 cGAS B4T	Unk-18 cGAS B5T	Unk-18 cGAS B5T	Unk-18 cGAS B5T	Unk-19 cGAS C1T	Unk-19 cGAS C1T	Unk-19 cGAS C1T	Unk-20 cGAS C2T	Unk-20 cGAS C2T	Unk-20 cGAS C2T

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Unk-21 cGAS C3T	Unk-21 cGAS C3T	Unk-21 cGAS C3T	Unk-22 cGAS C4T	Unk-22 cGAS C4T	Unk-22 cGAS C4T	Unk-23 cGAS C5T	Unk-23 cGAS C5T	Unk-23 cGAS C5T	Unk-24 cGAS D1T	Unk-24 cGAS D1T	Unk-24 cGAS D1T
G	Unk-25 cGAS D2T	Unk-25 cGAS D2T	Unk-25 cGAS D2T	Unk-26 cGAS D3T	Unk-26 cGAS D3T	Unk-26 cGAS D3T	Unk-27 cGAS D4T	Unk-27 cGAS D4T	Unk-27 cGAS D4T	Unk-28 cGAS D5T	Unk-28 cGAS D5T	Unk-28 cGAS D5T
H	Unk-29 cGAS C1PC	Unk-29 cGAS C1PC	Unk-29 cGAS C1PC	Unk-30 cGAS C2PC	Unk-30 cGAS C2PC	Unk-30 cGAS C2PC	Unk-31 cGAS C3PC	Unk-31 cGAS C3PC	Unk-31 cGAS C3PC	Unk-32 cGAS D1PC	Unk-32 cGAS D1PC	Unk-32 cGAS D1PC

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2699.80, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	cGAS	Unkn-01	C3M	29.88	30.89	1.807
A02	SYBR	cGAS	Unkn-01	C3M	29.81	30.89	1.807
A03	SYBR	cGAS	Unkn-01	C3M	32.98	30.89	1.807
A04	SYBR	cGAS	Unkn-02	C4M	31.42	31.66	0.236
A05	SYBR	cGAS	Unkn-02	C4M	31.67	31.66	0.236
A06	SYBR	cGAS	Unkn-02	C4M	31.90	31.66	0.236
A07	SYBR	cGAS	Unkn-03	C5M	30.00	30.22	0.190
A08	SYBR	cGAS	Unkn-03	C5M	30.28	30.22	0.190
A09	SYBR	cGAS	Unkn-03	C5M	30.36	30.22	0.190
A10	SYBR	cGAS	Unkn-04	D1M	29.82	29.58	0.221

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A11	SYBR	cGAS	Unkn-04	D1M	29.39	29.58	0.221
A12	SYBR	cGAS	Unkn-04	D1M	29.51	29.58	0.221
B01	SYBR	cGAS	Unkn-05	D2M	29.19	29.26	0.143
B02	SYBR	cGAS	Unkn-05	D2M	29.42	29.26	0.143
B03	SYBR	cGAS	Unkn-05	D2M	29.16	29.26	0.143
B04	SYBR	cGAS	Unkn-06	D3M	29.36	29.36	0.087
B05	SYBR	cGAS	Unkn-06	D3M	29.28	29.36	0.087
B06	SYBR	cGAS	Unkn-06	D3M	29.45	29.36	0.087
B07	SYBR	cGAS	Unkn-07	D4M	31.46	31.56	0.092
B08	SYBR	cGAS	Unkn-07	D4M	31.61	31.56	0.092
B09	SYBR	cGAS	Unkn-07	D4M	31.62	31.56	0.092
B10	SYBR	cGAS	Unkn-08	D5M	31.24	31.09	0.172
B11	SYBR	cGAS	Unkn-08	D5M	31.14	31.09	0.172
B12	SYBR	cGAS	Unkn-08	D5M	30.90	31.09	0.172
C01	SYBR	cGAS	Unkn-09	A1T	28.96	29.08	0.122
C02	SYBR	cGAS	Unkn-09	A1T	29.06	29.08	0.122
C03	SYBR	cGAS	Unkn-09	A1T	29.21	29.08	0.122
C04	SYBR	cGAS	Unkn-10	A2T	31.38	31.34	0.479
C05	SYBR	cGAS	Unkn-10	A2T	30.84	31.34	0.479
C06	SYBR	cGAS	Unkn-10	A2T	31.80	31.34	0.479
C07	SYBR	cGAS	Unkn-11	A3T	29.84	29.94	0.159
C08	SYBR	cGAS	Unkn-11	A3T	29.85	29.94	0.159
C09	SYBR	cGAS	Unkn-11	A3T	30.12	29.94	0.159
C10	SYBR	cGAS	Unkn-12	A4T	29.62	29.46	0.136
C11	SYBR	cGAS	Unkn-12	A4T	29.38	29.46	0.136
C12	SYBR	cGAS	Unkn-12	A4T	29.39	29.46	0.136
D01	SYBR	cGAS	Unkn-13	A5T	33.66	30.81	2.476
D02	SYBR	cGAS	Unkn-13	A5T	29.55	30.81	2.476
D03	SYBR	cGAS	Unkn-13	A5T	29.22	30.81	2.476
D04	SYBR	cGAS	Unkn-14	B1T	29.51	29.48	0.024
D05	SYBR	cGAS	Unkn-14	B1T	29.46	29.48	0.024
D06	SYBR	cGAS	Unkn-14	B1T	29.49	29.48	0.024
D07	SYBR	cGAS	Unkn-15	B2T	30.05	30.11	0.312
D08	SYBR	cGAS	Unkn-15	B2T	29.83	30.11	0.312
D09	SYBR	cGAS	Unkn-15	B2T	30.44	30.11	0.312
D10	SYBR	cGAS	Unkn-16	B3T	29.27	29.36	0.095
D11	SYBR	cGAS	Unkn-16	B3T	29.35	29.36	0.095
D12	SYBR	cGAS	Unkn-16	B3T	29.46	29.36	0.095
E01	SYBR	cGAS	Unkn-17	B4T	30.27	30.39	0.166
E02	SYBR	cGAS	Unkn-17	B4T	30.58	30.39	0.166
E03	SYBR	cGAS	Unkn-17	B4T	30.32	30.39	0.166
E04	SYBR	cGAS	Unkn-18	B5T	31.11	30.80	0.272
E05	SYBR	cGAS	Unkn-18	B5T	30.63	30.80	0.272
E06	SYBR	cGAS	Unkn-18	B5T	30.65	30.80	0.272
E07	SYBR	cGAS	Unkn-19	C1T	28.43	28.46	0.166
E08	SYBR	cGAS	Unkn-19	C1T	28.31	28.46	0.166
E09	SYBR	cGAS	Unkn-19	C1T	28.63	28.46	0.166
E10	SYBR	cGAS	Unkn-20	C2T	30.20	30.74	0.461
E11	SYBR	cGAS	Unkn-20	C2T	30.98	30.74	0.461

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	cGAS	Unkn-20	C2T	31.03	30.74	0.461
F01	SYBR	cGAS	Unkn-21	C3T	29.50	29.45	0.098
F02	SYBR	cGAS	Unkn-21	C3T	29.34	29.45	0.098
F03	SYBR	cGAS	Unkn-21	C3T	29.51	29.45	0.098
F04	SYBR	cGAS	Unkn-22	C4T	28.09	28.09	0.010
F05	SYBR	cGAS	Unkn-22	C4T	28.10	28.09	0.010
F06	SYBR	cGAS	Unkn-22	C4T	28.08	28.09	0.010
F07	SYBR	cGAS	Unkn-23	C5T	31.65	31.55	0.089
F08	SYBR	cGAS	Unkn-23	C5T	31.50	31.55	0.089
F09	SYBR	cGAS	Unkn-23	C5T	31.49	31.55	0.089
F10	SYBR	cGAS	Unkn-24	D1T	29.49	29.51	0.144
F11	SYBR	cGAS	Unkn-24	D1T	29.66	29.51	0.144
F12	SYBR	cGAS	Unkn-24	D1T	29.38	29.51	0.144
G01	SYBR	cGAS	Unkn-25	D2T	31.13	31.15	0.098
G02	SYBR	cGAS	Unkn-25	D2T	31.07	31.15	0.098
G03	SYBR	cGAS	Unkn-25	D2T	31.26	31.15	0.098
G04	SYBR	cGAS	Unkn-26	D3T	29.24	29.36	0.109
G05	SYBR	cGAS	Unkn-26	D3T	29.44	29.36	0.109
G06	SYBR	cGAS	Unkn-26	D3T	29.41	29.36	0.109
G07	SYBR	cGAS	Unkn-27	D4T	30.57	30.65	0.170
G08	SYBR	cGAS	Unkn-27	D4T	30.53	30.65	0.170
G09	SYBR	cGAS	Unkn-27	D4T	30.84	30.65	0.170
G10	SYBR	cGAS	Unkn-28	D5T	29.84	30.09	0.220
G11	SYBR	cGAS	Unkn-28	D5T	30.16	30.09	0.220
G12	SYBR	cGAS	Unkn-28	D5T	30.26	30.09	0.220
H01	SYBR	cGAS	Unkn-29	C1PC	31.55	31.34	0.193
H02	SYBR	cGAS	Unkn-29	C1PC	31.32	31.34	0.193
H03	SYBR	cGAS	Unkn-29	C1PC	31.16	31.34	0.193
H04	SYBR	cGAS	Unkn-30	C2PC	29.73	29.53	0.228
H05	SYBR	cGAS	Unkn-30	C2PC	29.58	29.53	0.228
H06	SYBR	cGAS	Unkn-30	C2PC	29.28	29.53	0.228
H07	SYBR	cGAS	Unkn-31	C3PC	30.94	31.00	0.047
H08	SYBR	cGAS	Unkn-31	C3PC	31.01	31.00	0.047
H09	SYBR	cGAS	Unkn-31	C3PC	31.04	31.00	0.047
H10	SYBR	cGAS	Unkn-32	D1PC	31.43	30.88	0.497
H11	SYBR	cGAS	Unkn-32	D1PC	30.48	30.88	0.497
H12	SYBR	cGAS	Unkn-32	D1PC	30.71	30.88	0.497

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	SYBR:A1, A2, A3, D1, D2, D3.	False	