sam_2026-01-27_11-25-14_Connect-cGAS-01.pcrd

01/29/2026 09:35

Report Information

User: BioRad/sam
Data File Name: sam_2026-01-27_11-25-14_Connect-cGAS-01.pcrd
Data File Path: \\owl.fish.washington.edu\web\scaphapoda\qPCR_data\cfx_connect_data
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 01/27/2026 11:26
Run User: sam
Run Type: User-defined
Plate File: mgig-01-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: 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

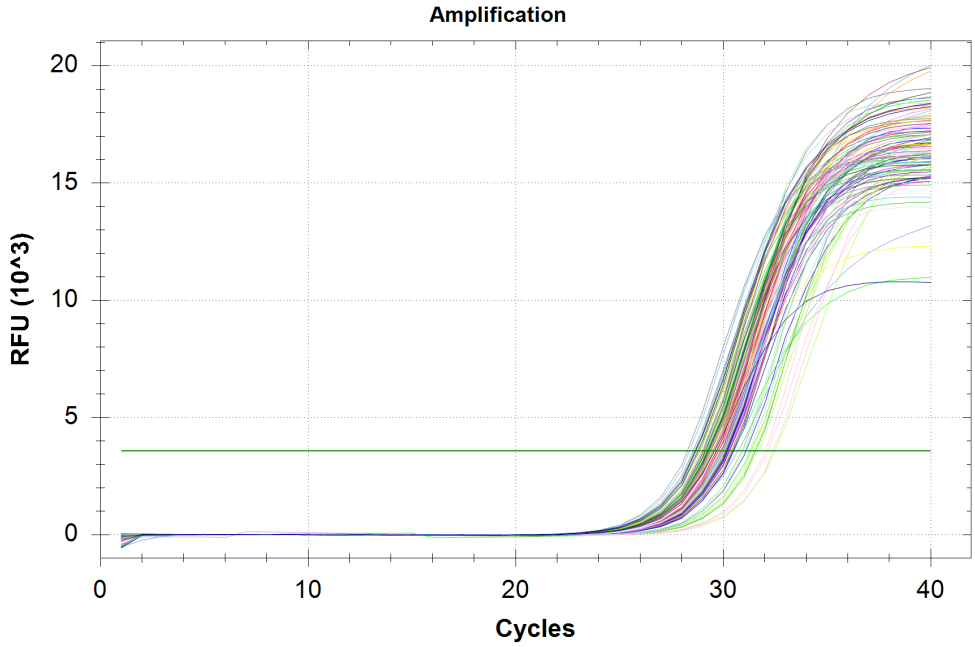
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 cGAS A1C	Unk-1 cGAS A1C	Unk-1 cGAS A1C	Unk-2 cGAS A2C	Unk-2 cGAS A2C	Unk-2 cGAS A2C	Unk-3 cGAS A3C	Unk-3 cGAS A3C	Unk-3 cGAS A3C	Unk-4 cGAS A4C	Unk-4 cGAS A4C	Unk-4 cGAS A4C
B	Unk-5 cGAS A5C	Unk-5 cGAS A5C	Unk-5 cGAS A5C	Unk-6 cGAS B1C	Unk-6 cGAS B1C	Unk-6 cGAS B1C	Unk-7 cGAS B2C	Unk-7 cGAS B2C	Unk-7 cGAS B2C	Unk-8 cGAS B3C	Unk-8 cGAS B3C	Unk-8 cGAS B3C
C	Unk-9 cGAS B4C	Unk-9 cGAS B4C	Unk-9 cGAS B4C	Unk-10 cGAS B5C	Unk-10 cGAS B5C	Unk-10 cGAS B5C	Unk-11 cGAS C1C	Unk-11 cGAS C1C	Unk-11 cGAS C1C	Unk-12 cGAS C2C	Unk-12 cGAS C2C	Unk-12 cGAS C2C
D	Unk-13 cGAS C3C	Unk-13 cGAS C3C	Unk-13 cGAS C3C	Unk-14 cGAS C4C	Unk-14 cGAS C4C	Unk-14 cGAS C4C	Unk-15 cGAS C5C	Unk-15 cGAS C5C	Unk-15 cGAS C5C	Unk-16 cGAS D1C	Unk-16 cGAS D1C	Unk-16 cGAS D1C
E	Unk-17 cGAS D2C	Unk-17 cGAS D2C	Unk-17 cGAS D2C	Unk-18 cGAS D3C	Unk-18 cGAS D3C	Unk-18 cGAS D3C	Unk-19 cGAS D4C	Unk-19 cGAS D4C	Unk-19 cGAS D4C	Unk-20 cGAS D5C	Unk-20 cGAS D5C	Unk-20 cGAS D5C

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Unk-21 cGAS A1M	Unk-21 cGAS A1M	Unk-21 cGAS A1M	Unk-22 cGAS A2M	Unk-22 cGAS A2M	Unk-22 cGAS A2M	Unk-23 cGAS A3M	Unk-23 cGAS A3M	Unk-23 cGAS A3M	Unk-24 cGAS A4M	Unk-24 cGAS A4M	Unk-24 cGAS A4M
G	Unk-25 cGAS A5M	Unk-25 cGAS A5M	Unk-25 cGAS A5M	Unk-26 cGAS B1M	Unk-26 cGAS B1M	Unk-26 cGAS B1M	Unk-27 cGAS B2M	Unk-27 cGAS B2M	Unk-27 cGAS B2M	Unk-28 cGAS B3M	Unk-28 cGAS B3M	Unk-28 cGAS B3M
H	Unk-29 cGAS B4M	Unk-29 cGAS B4M	Unk-29 cGAS B4M	Unk-30 cGAS B5M	Unk-30 cGAS B5M	Unk-30 cGAS B5M	Unk-31 cGAS C1M	Unk-31 cGAS C1M	Unk-31 cGAS C1M	Unk-32 cGAS C2M	Unk-32 cGAS C2M	Unk-32 cGAS C2M

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3589.99, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	cGAS	Unkn-01	A1C	31.10	30.51	0.596
A02	SYBR	cGAS	Unkn-01	A1C	30.51	30.51	0.596
A03	SYBR	cGAS	Unkn-01	A1C	29.91	30.51	0.596
A04	SYBR	cGAS	Unkn-02	A2C	30.04	30.18	0.136
A05	SYBR	cGAS	Unkn-02	A2C	30.18	30.18	0.136
A06	SYBR	cGAS	Unkn-02	A2C	30.31	30.18	0.136
A07	SYBR	cGAS	Unkn-03	A3C	30.71	30.11	0.673
A08	SYBR	cGAS	Unkn-03	A3C	30.23	30.11	0.673
A09	SYBR	cGAS	Unkn-03	A3C	29.38	30.11	0.673
A10	SYBR	cGAS	Unkn-04	A4C	32.47	31.84	0.570

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A11	SYBR	cGAS	Unkn-04	A4C	31.67	31.84	0.570
A12	SYBR	cGAS	Unkn-04	A4C	31.37	31.84	0.570
B01	SYBR	cGAS	Unkn-05	A5C	28.98	29.05	0.071
B02	SYBR	cGAS	Unkn-05	A5C	29.12	29.05	0.071
B03	SYBR	cGAS	Unkn-05	A5C	29.04	29.05	0.071
B04	SYBR	cGAS	Unkn-06	B1C	28.69	29.82	1.524
B05	SYBR	cGAS	Unkn-06	B1C	31.56	29.82	1.524
B06	SYBR	cGAS	Unkn-06	B1C	29.22	29.82	1.524
B07	SYBR	cGAS	Unkn-07	B2C	31.32	31.25	0.288
B08	SYBR	cGAS	Unkn-07	B2C	30.93	31.25	0.288
B09	SYBR	cGAS	Unkn-07	B2C	31.49	31.25	0.288
B10	SYBR	cGAS	Unkn-08	B3C	30.29	30.29	0.111
B11	SYBR	cGAS	Unkn-08	B3C	30.40	30.29	0.111
B12	SYBR	cGAS	Unkn-08	B3C	30.18	30.29	0.111
C01	SYBR	cGAS	Unkn-09	B4C	29.42	29.27	0.194
C02	SYBR	cGAS	Unkn-09	B4C	29.05	29.27	0.194
C03	SYBR	cGAS	Unkn-09	B4C	29.35	29.27	0.194
C04	SYBR	cGAS	Unkn-10	B5C	28.97	29.07	0.102
C05	SYBR	cGAS	Unkn-10	B5C	29.07	29.07	0.102
C06	SYBR	cGAS	Unkn-10	B5C	29.17	29.07	0.102
C07	SYBR	cGAS	Unkn-11	C1C	29.16	29.65	0.717
C08	SYBR	cGAS	Unkn-11	C1C	29.31	29.65	0.717
C09	SYBR	cGAS	Unkn-11	C1C	30.47	29.65	0.717
C10	SYBR	cGAS	Unkn-12	C2C	30.03	29.82	0.186
C11	SYBR	cGAS	Unkn-12	C2C	29.78	29.82	0.186
C12	SYBR	cGAS	Unkn-12	C2C	29.67	29.82	0.186
D01	SYBR	cGAS	Unkn-13	C3C	30.16	30.14	0.035
D02	SYBR	cGAS	Unkn-13	C3C	30.16	30.14	0.035
D03	SYBR	cGAS	Unkn-13	C3C	30.10	30.14	0.035
D04	SYBR	cGAS	Unkn-14	C4C	30.46	30.29	0.147
D05	SYBR	cGAS	Unkn-14	C4C	30.20	30.29	0.147
D06	SYBR	cGAS	Unkn-14	C4C	30.21	30.29	0.147
D07	SYBR	cGAS	Unkn-15	C5C	32.40	32.20	0.187
D08	SYBR	cGAS	Unkn-15	C5C	32.04	32.20	0.187
D09	SYBR	cGAS	Unkn-15	C5C	32.15	32.20	0.187
D10	SYBR	cGAS	Unkn-16	D1C	29.05	29.37	0.280
D11	SYBR	cGAS	Unkn-16	D1C	29.49	29.37	0.280
D12	SYBR	cGAS	Unkn-16	D1C	29.58	29.37	0.280
E01	SYBR	cGAS	Unkn-17	D2C	29.78	29.79	0.096
E02	SYBR	cGAS	Unkn-17	D2C	29.69	29.79	0.096
E03	SYBR	cGAS	Unkn-17	D2C	29.88	29.79	0.096
E04	SYBR	cGAS	Unkn-18	D3C	31.26	31.06	0.190
E05	SYBR	cGAS	Unkn-18	D3C	31.04	31.06	0.190
E06	SYBR	cGAS	Unkn-18	D3C	30.88	31.06	0.190
E07	SYBR	cGAS	Unkn-19	D4C	29.30	29.35	0.042
E08	SYBR	cGAS	Unkn-19	D4C	29.38	29.35	0.042
E09	SYBR	cGAS	Unkn-19	D4C	29.37	29.35	0.042
E10	SYBR	cGAS	Unkn-20	D5C	29.87	30.10	0.277
E11	SYBR	cGAS	Unkn-20	D5C	30.01	30.10	0.277

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	cGAS	Unkn-20	D5C	30.40	30.10	0.277
F01	SYBR	cGAS	Unkn-21	A1M	29.40	29.24	0.161
F02	SYBR	cGAS	Unkn-21	A1M	29.07	29.24	0.161
F03	SYBR	cGAS	Unkn-21	A1M	29.26	29.24	0.161
F04	SYBR	cGAS	Unkn-22	A2M	29.30	29.66	0.425
F05	SYBR	cGAS	Unkn-22	A2M	29.55	29.66	0.425
F06	SYBR	cGAS	Unkn-22	A2M	30.13	29.66	0.425
F07	SYBR	cGAS	Unkn-23	A3M	29.54	29.05	0.427
F08	SYBR	cGAS	Unkn-23	A3M	28.83	29.05	0.427
F09	SYBR	cGAS	Unkn-23	A3M	28.78	29.05	0.427
F10	SYBR	cGAS	Unkn-24	A4M	28.38	28.47	0.153
F11	SYBR	cGAS	Unkn-24	A4M	28.37	28.47	0.153
F12	SYBR	cGAS	Unkn-24	A4M	28.64	28.47	0.153
G01	SYBR	cGAS	Unkn-25	A5M	28.62	28.48	0.185
G02	SYBR	cGAS	Unkn-25	A5M	28.27	28.48	0.185
G03	SYBR	cGAS	Unkn-25	A5M	28.55	28.48	0.185
G04	SYBR	cGAS	Unkn-26	B1M	28.86	29.24	0.333
G05	SYBR	cGAS	Unkn-26	B1M	29.36	29.24	0.333
G06	SYBR	cGAS	Unkn-26	B1M	29.49	29.24	0.333
G07	SYBR	cGAS	Unkn-27	B2M	29.36	29.42	0.065
G08	SYBR	cGAS	Unkn-27	B2M	29.49	29.42	0.065
G09	SYBR	cGAS	Unkn-27	B2M	29.40	29.42	0.065
G10	SYBR	cGAS	Unkn-28	B3M	29.98	30.04	0.184
G11	SYBR	cGAS	Unkn-28	B3M	30.24	30.04	0.184
G12	SYBR	cGAS	Unkn-28	B3M	29.89	30.04	0.184
H01	SYBR	cGAS	Unkn-29	B4M	29.27	29.22	0.069
H02	SYBR	cGAS	Unkn-29	B4M	29.25	29.22	0.069
H03	SYBR	cGAS	Unkn-29	B4M	29.14	29.22	0.069
H04	SYBR	cGAS	Unkn-30	B5M	30.05	30.01	0.057
H05	SYBR	cGAS	Unkn-30	B5M	29.95	30.01	0.057
H06	SYBR	cGAS	Unkn-30	B5M	30.04	30.01	0.057
H07	SYBR	cGAS	Unkn-31	C1M	30.06	29.95	0.194
H08	SYBR	cGAS	Unkn-31	C1M	30.06	29.95	0.194
H09	SYBR	cGAS	Unkn-31	C1M	29.73	29.95	0.194
H10	SYBR	cGAS	Unkn-32	C2M	28.79	29.01	0.495
H11	SYBR	cGAS	Unkn-32	C2M	28.67	29.01	0.495
H12	SYBR	cGAS	Unkn-32	C2M	29.58	29.01	0.495

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, A7, A8, A9, A10, A11, A12, B4, B5, B6, C7, C8, C9.	False	