



sam_2025-06-03_16-46-50_CFX96-cGAS.pcrd

Report Information

User: BioRad/sam
Data File Name: sam_2025-06-03_16-46-50_CFX96-cGAS.pcrd
Data File Path: C:\Users\Samb\Downloads\qPCR-20250603
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 06/03/2025 16:47
Run User: sam
Run Type: User-defined
Plate File: cgig-02-cGAS-cfx-plate.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

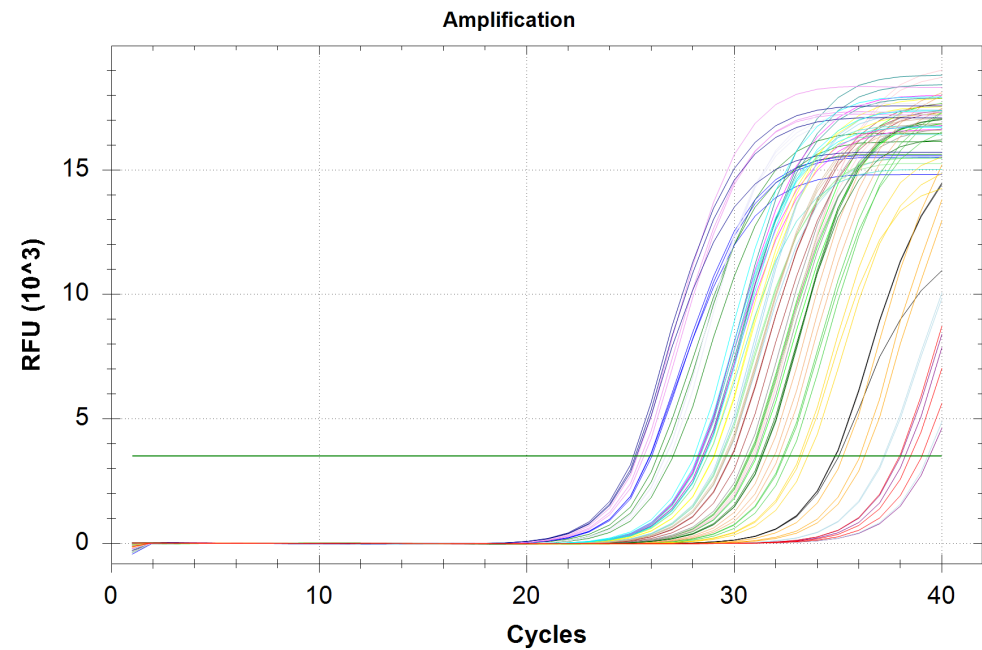
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|--|--|--|--|--|--|--|--|--|
| A | Unk-1 Cg_cGAS (SR IDs: 1826/7) 12 | Unk-1 Cg_cGAS (SR IDs: 1826/7) 12 | Unk-1 Cg_cGAS (SR IDs: 1826/7) 12 | Unk-2 Cg_cGAS (SR IDs: 1826/7) 14 | Unk-2 Cg_cGAS (SR IDs: 1826/7) 14 | Unk-2 Cg_cGAS (SR IDs: 1826/7) 14 | Unk-3 Cg_cGAS (SR IDs: 1826/7) 15 | Unk-3 Cg_cGAS (SR IDs: 1826/7) 15 | Unk-3 Cg_cGAS (SR IDs: 1826/7) 15 | Unk-4 Cg_cGAS (SR IDs: 1826/7) 18 | Unk-4 Cg_cGAS (SR IDs: 1826/7) 18 | Unk-4 Cg_cGAS (SR IDs: 1826/7) 18 |
| B | Unk-5 Cg_cGAS (SR IDs: 1826/7) 19 | Unk-5 Cg_cGAS (SR IDs: 1826/7) 19 | Unk-5 Cg_cGAS (SR IDs: 1826/7) 19 | Unk-6 Cg_cGAS (SR IDs: 1826/7) 24 | Unk-6 Cg_cGAS (SR IDs: 1826/7) 24 | Unk-6 Cg_cGAS (SR IDs: 1826/7) 24 | Unk-7 Cg_cGAS (SR IDs: 1826/7) 25 | Unk-7 Cg_cGAS (SR IDs: 1826/7) 25 | Unk-7 Cg_cGAS (SR IDs: 1826/7) 25 | Unk-8 Cg_cGAS (SR IDs: 1826/7) 29 | Unk-8 Cg_cGAS (SR IDs: 1826/7) 29 | Unk-8 Cg_cGAS (SR IDs: 1826/7) 29 |
| C | Unk-9 Cg_cGAS (SR IDs: 1826/7) 39 | Unk-9 Cg_cGAS (SR IDs: 1826/7) 39 | Unk-9 Cg_cGAS (SR IDs: 1826/7) 39 | Unk-10 Cg_cGAS (SR IDs: 1826/7) 40 | Unk-10 Cg_cGAS (SR IDs: 1826/7) 40 | Unk-10 Cg_cGAS (SR IDs: 1826/7) 40 | Unk-11 Cg_cGAS (SR IDs: 1826/7) 43 | Unk-11 Cg_cGAS (SR IDs: 1826/7) 43 | Unk-11 Cg_cGAS (SR IDs: 1826/7) 43 | Unk-12 Cg_cGAS (SR IDs: 1826/7) 49 | Unk-12 Cg_cGAS (SR IDs: 1826/7) 49 | Unk-12 Cg_cGAS (SR IDs: 1826/7) 49 |

Plate Display

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| D | Unk-13 Cg_cGAS (SR IDs: 1826/7) 53 | Unk-13 Cg_cGAS (SR IDs: 1826/7) 53 | Unk-13 Cg_cGAS (SR IDs: 1826/7) 53 | Unk-14 Cg_cGAS (SR IDs: 1826/7) 59 | Unk-14 Cg_cGAS (SR IDs: 1826/7) 59 | Unk-14 Cg_cGAS (SR IDs: 1826/7) 59 | Unk-15 Cg_cGAS (SR IDs: 1826/7) 60 | Unk-15 Cg_cGAS (SR IDs: 1826/7) 60 | Unk-15 Cg_cGAS (SR IDs: 1826/7) 60 | Unk-16 Cg_cGAS (SR IDs: 1826/7) 62 | Unk-16 Cg_cGAS (SR IDs: 1826/7) 62 | Unk-16 Cg_cGAS (SR IDs: 1826/7) 62 |
| E | Unk-17 Cg_cGAS (SR IDs: 1826/7) 63 | Unk-17 Cg_cGAS (SR IDs: 1826/7) 63 | Unk-17 Cg_cGAS (SR IDs: 1826/7) 63 | Unk-18 Cg_cGAS (SR IDs: 1826/7) 66 | Unk-18 Cg_cGAS (SR IDs: 1826/7) 66 | Unk-18 Cg_cGAS (SR IDs: 1826/7) 66 | Unk-19 Cg_cGAS (SR IDs: 1826/7) 69 | Unk-19 Cg_cGAS (SR IDs: 1826/7) 69 | Unk-19 Cg_cGAS (SR IDs: 1826/7) 69 | Unk-20 Cg_cGAS (SR IDs: 1826/7) 71 | Unk-20 Cg_cGAS (SR IDs: 1826/7) 71 | Unk-20 Cg_cGAS (SR IDs: 1826/7) 71 |
| F | Unk-21 Cg_cGAS (SR IDs: 1826/7) 73 | Unk-21 Cg_cGAS (SR IDs: 1826/7) 73 | Unk-21 Cg_cGAS (SR IDs: 1826/7) 73 | Unk-22 Cg_cGAS (SR IDs: 1826/7) 75 | Unk-22 Cg_cGAS (SR IDs: 1826/7) 75 | Unk-22 Cg_cGAS (SR IDs: 1826/7) 75 | Unk-23 Cg_cGAS (SR IDs: 1826/7) 79 | Unk-23 Cg_cGAS (SR IDs: 1826/7) 79 | Unk-23 Cg_cGAS (SR IDs: 1826/7) 79 | Unk-24 Cg_cGAS (SR IDs: 1826/7) 81 | Unk-24 Cg_cGAS (SR IDs: 1826/7) 81 | Unk-24 Cg_cGAS (SR IDs: 1826/7) 81 |
| G | Unk-25 Cg_cGAS (SR IDs: 1826/7) 89 | Unk-25 Cg_cGAS (SR IDs: 1826/7) 89 | Unk-25 Cg_cGAS (SR IDs: 1826/7) 89 | NTC-1 Cg_cGAS (SR IDs: 1826/7) | NTC-1 Cg_cGAS (SR IDs: 1826/7) | NTC-1 Cg_cGAS (SR IDs: 1826/7) | | | | | | |
| H | | | | | | | | | | | | |

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3518.67, 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 | 12 | 30.68 | 30.84 | 0.211 |

Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|------|-------|--------------------------------|---------|--------|-------|---------|-------------|
| A02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-01 | 12 | 30.76 | 30.84 | 0.211 |
| A03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-01 | 12 | 31.08 | 30.84 | 0.211 |
| A04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | 38.24 | 38.56 | 0.750 |
| A05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | 38.02 | 38.56 | 0.750 |
| A06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | 39.42 | 38.56 | 0.750 |
| A07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 27.06 | 26.64 | 0.384 |
| A08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 26.54 | 26.64 | 0.384 |
| A09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 26.31 | 26.64 | 0.384 |
| A10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 26.03 | 25.97 | 0.053 |
| A11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 25.93 | 25.97 | 0.053 |
| A12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 25.96 | 25.97 | 0.053 |
| B01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 30.84 | 30.83 | 0.109 |
| B02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 30.93 | 30.83 | 0.109 |
| B03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 30.71 | 30.83 | 0.109 |
| B04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 29.86 | 30.00 | 0.216 |
| B05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 30.25 | 30.00 | 0.216 |
| B06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 29.89 | 30.00 | 0.216 |
| B07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 34.88 | 34.92 | 0.101 |
| B08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 34.85 | 34.92 | 0.101 |
| B09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 35.04 | 34.92 | 0.101 |

Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|------|-------|--------------------------------|---------|--------|-------|---------|-------------|
| B10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | 37.26 | 37.93 | 1.206 |
| B11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | 39.32 | 37.93 | 1.206 |
| B12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | 37.20 | 37.93 | 1.206 |
| C01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 28.54 | 28.44 | 0.120 |
| C02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 28.31 | 28.44 | 0.120 |
| C03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 28.47 | 28.44 | 0.120 |
| C04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 36.28 | 35.86 | 0.547 |
| C05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 36.05 | 35.86 | 0.547 |
| C06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 35.24 | 35.86 | 0.547 |
| C07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 29.40 | 29.38 | 0.036 |
| C08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 29.34 | 29.38 | 0.036 |
| C09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 29.41 | 29.38 | 0.036 |
| C10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 28.48 | 28.35 | 0.114 |
| C11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 28.27 | 28.35 | 0.114 |
| C12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 28.31 | 28.35 | 0.114 |
| D01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 29.02 | 28.93 | 0.178 |
| D02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 29.04 | 28.93 | 0.178 |
| D03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 28.72 | 28.93 | 0.178 |
| D04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 29.64 | 29.43 | 0.192 |
| D05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 29.36 | 29.43 | 0.192 |

Quantification Data

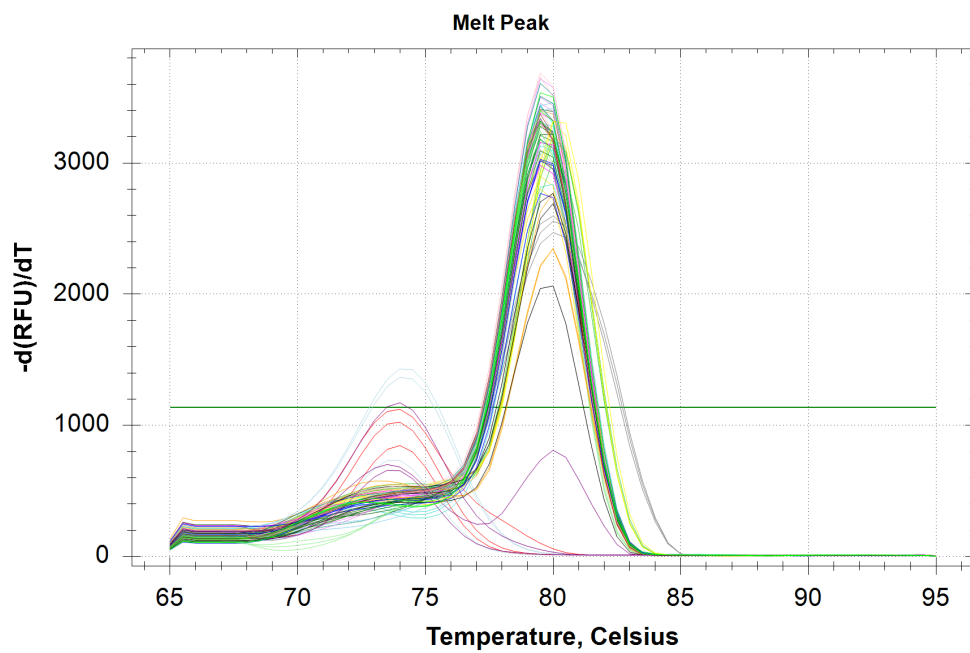
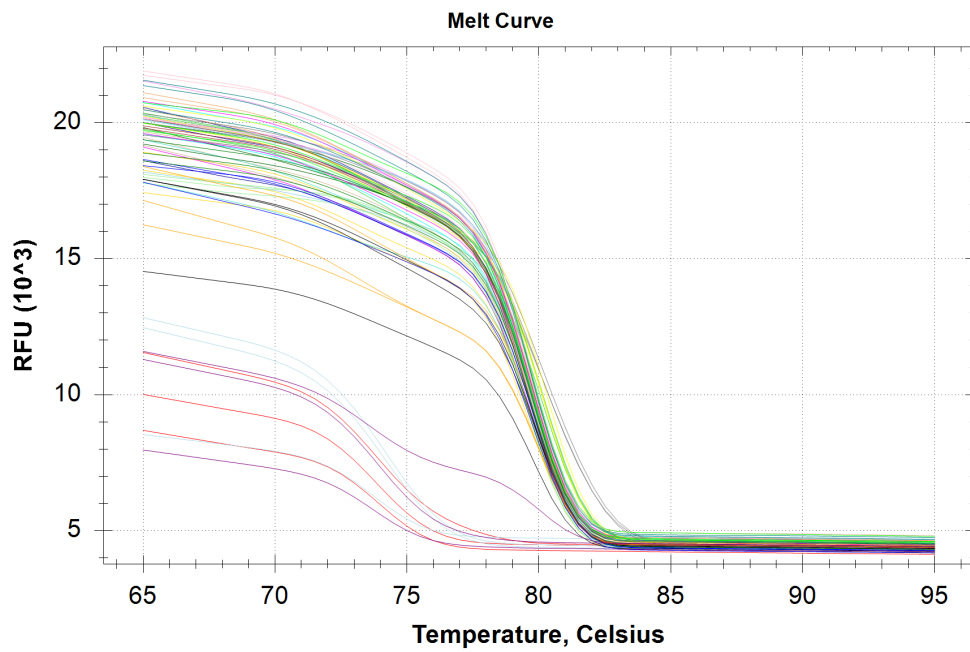
| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|------|-------|--------------------------------|---------|--------|-------|---------|-------------|
| D06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 29.27 | 29.43 | 0.192 |
| D07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 30.56 | 30.77 | 0.238 |
| D08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 31.03 | 30.77 | 0.238 |
| D09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 30.72 | 30.77 | 0.238 |
| D10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 32.67 | 32.47 | 0.173 |
| D11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 32.35 | 32.47 | 0.173 |
| D12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 32.40 | 32.47 | 0.173 |
| E01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 31.92 | 31.88 | 0.278 |
| E02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 31.59 | 31.88 | 0.278 |
| E03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 32.14 | 31.88 | 0.278 |
| E04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 25.53 | 25.50 | 0.160 |
| E05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 25.65 | 25.50 | 0.160 |
| E06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 25.33 | 25.50 | 0.160 |
| E07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 31.34 | 31.32 | 0.043 |
| E08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 31.36 | 31.32 | 0.043 |
| E09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 31.27 | 31.32 | 0.043 |
| E10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 28.36 | 28.48 | 0.219 |
| E11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 28.35 | 28.48 | 0.219 |
| E12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 28.73 | 28.48 | 0.219 |
| F01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 26.69 | 26.77 | 0.127 |

Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|------|-------|--------------------------------|---------|--------|-------|---------|-------------|
| F02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 26.92 | 26.77 | 0.127 |
| F03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 26.71 | 26.77 | 0.127 |
| F04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 25.14 | 25.22 | 0.073 |
| F05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 25.23 | 25.22 | 0.073 |
| F06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 25.29 | 25.22 | 0.073 |
| F07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 29.54 | 29.59 | 0.044 |
| F08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 29.59 | 29.59 | 0.044 |
| F09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 29.63 | 29.59 | 0.044 |
| F10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 28.58 | 28.30 | 0.262 |
| F11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 28.07 | 28.30 | 0.262 |
| F12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 28.23 | 28.30 | 0.262 |
| G01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 33.55 | 33.31 | 0.206 |
| G02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 33.15 | 33.31 | 0.206 |
| G03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 33.24 | 33.31 | 0.206 |
| G04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | 39.04 | 38.50 | 0.535 |
| G05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | 38.50 | 38.50 | 0.535 |
| G06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | 37.97 | 38.50 | 0.535 |

Melt Curve

Step #: 5



Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------------------------------|---------|--------|-----------|
| A01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-01 | 12 | 79.50 |
| A02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-01 | 12 | 79.50 |
| A03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-01 | 12 | 79.50 |

Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------------------------------|---------|--------|-----------|
| A04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | None |
| A05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | 74.00 |
| A06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-02 | 14 | None |
| A07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 79.50 |
| A08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 79.50 |
| A09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-03 | 15 | 79.50 |
| A10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 79.50 |
| A11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 79.50 |
| A12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-04 | 18 | 79.50 |
| B01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 79.50 |
| B02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 79.50 |
| B03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-05 | 19 | 79.50 |
| B04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 79.50 |
| B05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 79.50 |
| B06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-06 | 24 | 79.50 |
| B07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 80.00 |
| B08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 80.00 |
| B09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-07 | 25 | 80.00 |
| B10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | 74.00 |
| B11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | None |

Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------------------------------|---------|--------|-----------|
| B12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-08 | 29 | 74.00 |
| C01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 79.50 |
| C02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 79.50 |
| C03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-09 | 39 | 79.50 |
| C04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 80.00 |
| C05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 80.00 |
| C06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-10 | 40 | 80.00 |
| C07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 79.50 |
| C08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 79.50 |
| C09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-11 | 43 | 79.50 |
| C10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 79.50 |
| C11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 79.50 |
| C12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-12 | 49 | 79.50 |
| D01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 80.00 |
| D02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 80.00 |
| D03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-13 | 53 | 80.00 |
| D04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 80.00 |
| D05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 80.00 |
| D06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-14 | 59 | 80.00 |
| D07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 80.00 |

Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------------------------------|---------|--------|-----------|
| D08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 80.00 |
| D09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-15 | 60 | 80.00 |
| D10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 80.00 |
| D11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 80.00 |
| D12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-16 | 62 | 80.00 |
| E01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 79.50 |
| E02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 79.50 |
| E03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-17 | 63 | 79.50 |
| E04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 79.50 |
| E05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 79.50 |
| E06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-18 | 66 | 79.50 |
| E07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 79.50 |
| E08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 79.50 |
| E09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-19 | 69 | 80.00 |
| E10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 79.50 |
| E11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 79.50 |
| E12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-20 | 71 | 80.00 |
| F01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 79.50 |
| F02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 79.50 |
| F03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-21 | 73 | 79.50 |

Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------------------------------|---------|--------|-----------|
| F04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 79.50 |
| F05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 79.50 |
| F06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-22 | 75 | 79.50 |
| F07 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 79.50 |
| F08 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 79.50 |
| F09 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-23 | 79 | 79.50 |
| F10 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 79.50 |
| F11 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 79.50 |
| F12 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-24 | 81 | 79.50 |
| G01 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 79.50 |
| G02 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 79.50 |
| G03 | SYBR | Cg_cGAS (SR IDs: 1826/7) | Unkn-25 | 89 | 79.50 |
| G04 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | None |
| G05 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | None |
| G06 | SYBR | Cg_cGAS (SR IDs: 1826/7) | NTC-01 | | None |

QC Parameters

Data

| Description | Value | Use | Results | Exclude Wells | All excluded wells |
|--------------------------------------|-------|------|---------|---------------|--------------------|
| Negative control with a Cq less than | 38 | True | | False | |

Data

| Description | Value | Use | Results | Exclude Wells | All excluded wells |
|---|-------|------|---|---------------|--------------------|
| NTC with a Cq less than | 38 | True | SYBR:G6. | 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 | 0.20 | True | SYBR:A1, A2, A3, A4, A5, A6, A7, A8, A9, B4, B5, B6, B10, B11, B12, C4, C5, C6, D7, D8, D9, E1, E2, E3, E10, E11, E12, F10, F11, F12, G1, G2, G3, G4, G5, G6. | False | |