



# sam\_2024-12-10\_11-47-51\_CFX96\_GAPDH-02.pcrd

12/18/2024 14:00

## Report Information

User: BioRad/sam  
Data File Name: sam\_2024-12-10\_11-47-51\_CFX96\_GAPDH-02.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 11:48  
Run User: sam  
Run Type: User-defined  
Plate File: cgig-GAPDH-cfx-plate-02.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<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>270 | Unk-1<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>270 | Unk-1<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>270 | Unk-2<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>271 | Unk-2<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>271 | Unk-2<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>271 | Unk-3<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>272 | Unk-3<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>272 | Unk-3<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>272 | Unk-4<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>273 | Unk-4<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>273 | Unk-4<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>273 |
| B | Unk-5<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>275 | Unk-5<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>275 | Unk-5<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>275 | Unk-6<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>276 | Unk-6<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>276 | Unk-6<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>276 | Unk-7<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>277 | Unk-7<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>277 | Unk-7<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>277 | Unk-8<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>279 | Unk-8<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>279 | Unk-8<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>279 |

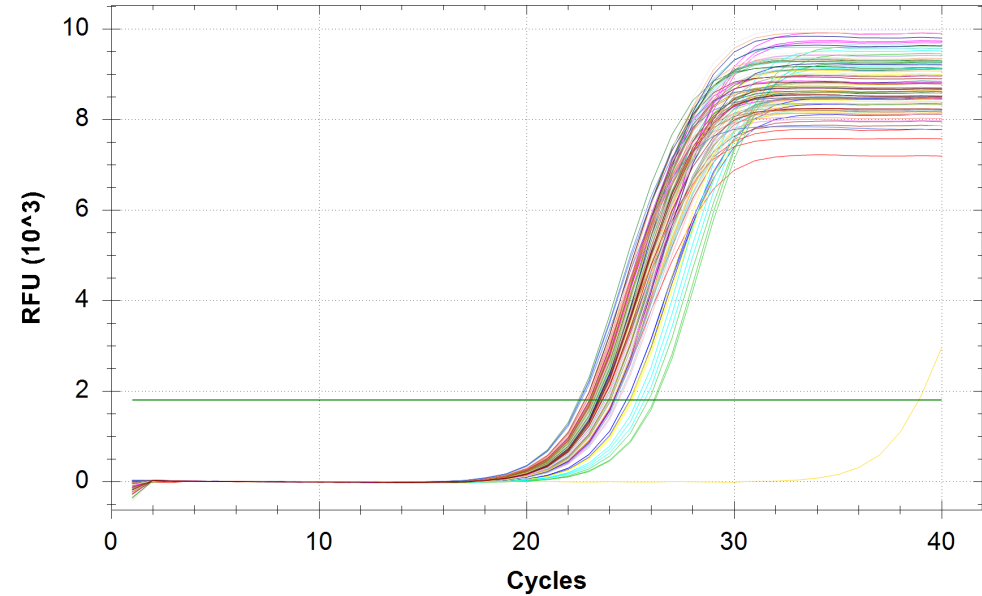
Plate Display

|   | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10   | 11   | 12   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| C | Unk-9<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>280  | Unk-9<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>280  | Unk-9<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>280  | Unk-10<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>287 | Unk-10<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>287 | Unk-10<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>287 | Unk-11<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>290 | Unk-11<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>290 | Unk-11<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>290 | Unk-12<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>291 | Unk-12<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>291 | Unk-12<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>291 |
| D | Unk-13<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>293 | Unk-13<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>293 | Unk-13<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>293 | Unk-14<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>294 | Unk-14<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>294 | Unk-14<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>294 | Unk-15<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>295 | Unk-15<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>295 | Unk-15<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>295 | Unk-16<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>297 | Unk-16<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>297 | Unk-16<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>297 |
| E | Unk-17<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>301 | Unk-17<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>301 | Unk-17<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>301 | Unk-18<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>302 | Unk-18<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>302 | Unk-18<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>302 | Unk-19<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>306 | Unk-19<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>306 | Unk-19<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>306 | Unk-20<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>310 | Unk-20<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>310 | Unk-20<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>310 |
| F | Unk-21<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>311 | Unk-21<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>311 | Unk-21<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>311 | Unk-22<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>316 | Unk-22<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>316 | Unk-22<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>316 | Unk-23<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>317 | Unk-23<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>317 | Unk-23<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>317 | Unk-24<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>318 | Unk-24<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>318 | Unk-24<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>318 |
| G | Unk-25<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>324 | Unk-25<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>324 | Unk-25<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>324 | Unk-26<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>326 | Unk-26<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>326 | Unk-26<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>326 | Unk-27<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>334 | Unk-27<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>334 | Unk-27<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>334 | Unk-28<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>341 | Unk-28<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>341 | Unk-28<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>341 |
| H | Unk-29<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>343 | Unk-29<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>343 | Unk-29<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>343 | Unk-30<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>344 | Unk-30<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>344 | Unk-30<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>344 | Unk-31<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>346 | Unk-31<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>346 | Unk-31<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>346 | Unk-32<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>349 | Unk-32<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>349 | Unk-32<br>Cg_GAPDH<br>205_F-<br>355_R (SR<br>IDs: 1172/3)<br>349 |

Quantification

Step #: 3  
Analysis Mode: Fluorophore  
Cq Determination: Single Threshold  
Baseline Method:  
SYBR: Auto Calculated  
Threshold Setting:  
SYBR: 1806.91, Auto Calculated

Amplification



## Quantification Data

| Well | Fluor | Target                                   | Content | Sample | Cq    | Cq Mean | Cq Std. Dev |
|------|-------|--|---------|--------|-------|---------|-------------|
| A01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-01 | 270    | 24.80 | 24.86   | 0.101       |
| A02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-01 | 270    | 24.80 | 24.86   | 0.101       |
| A03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-01 | 270    | 24.98 | 24.86   | 0.101       |
| A04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-02 | 271    | 24.42 | 24.38   | 0.091       |
| A05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-02 | 271    | 24.27 | 24.38   | 0.091       |
| A06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-02 | 271    | 24.44 | 24.38   | 0.091       |
| A07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-03 | 272    | 24.20 | 23.92   | 0.287       |
| A08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-03 | 272    | 23.93 | 23.92   | 0.287       |
| A09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-03 | 272    | 23.63 | 23.92   | 0.287       |
| A10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-04 | 273    | 23.66 | 23.76   | 0.412       |
| A11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-04 | 273    | 23.40 | 23.76   | 0.412       |
| A12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-04 | 273    | 24.21 | 23.76   | 0.412       |
| B01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-05 | 275    | 23.42 | 23.45   | 0.047       |
| B02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-05 | 275    | 23.43 | 23.45   | 0.047       |
| B03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-05 | 275    | 23.50 | 23.45   | 0.047       |
| B04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-06 | 276    | 23.93 | 23.75   | 0.178       |
| B05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-06 | 276    | 23.57 | 23.75   | 0.178       |
| B06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-06 | 276    | 23.75 | 23.75   | 0.178       |
| B07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-07 | 277    | 23.63 | 23.80   | 0.354       |
| B08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-07 | 277    | 23.56 | 23.80   | 0.354       |
| B09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-07 | 277    | 24.21 | 23.80   | 0.354       |
| B10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-08 | 279    | 24.24 | 24.16   | 0.112       |
| B11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-08 | 279    | 24.21 | 24.16   | 0.112       |
| B12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-08 | 279    | 24.04 | 24.16   | 0.112       |
| C01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-09 | 280    | 24.16 | 24.22   | 0.059       |
| C02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-09 | 280    | 24.21 | 24.22   | 0.059       |
| C03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-09 | 280    | 24.28 | 24.22   | 0.059       |

## Quantification Data

| Well | Fluor | Target                                   | Content | Sample | Cq    | Cq Mean | Cq Std. Dev |
|------|-------|--|---------|--------|-------|---------|-------------|
| C04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-10 | 287    | 24.99 | 25.04   | 0.044       |
| C05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-10 | 287    | 25.08 | 25.04   | 0.044       |
| C06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-10 | 287    | 25.03 | 25.04   | 0.044       |
| C07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-11 | 290    | 24.37 | 24.28   | 0.083       |
| C08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-11 | 290    | 24.20 | 24.28   | 0.083       |
| C09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-11 | 290    | 24.28 | 24.28   | 0.083       |
| C10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-12 | 291    | 23.95 | 24.00   | 0.048       |
| C11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-12 | 291    | 23.99 | 24.00   | 0.048       |
| C12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-12 | 291    | 24.05 | 24.00   | 0.048       |
| D01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-13 | 293    | 25.87 | 26.06   | 0.171       |
| D02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-13 | 293    | 26.19 | 26.06   | 0.171       |
| D03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-13 | 293    | 26.13 | 26.06   | 0.171       |
| D04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-14 | 294    | 23.51 | 23.26   | 0.303       |
| D05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-14 | 294    | 22.92 | 23.26   | 0.303       |
| D06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-14 | 294    | 23.35 | 23.26   | 0.303       |
| D07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-15 | 295    | 23.59 | 23.60   | 0.217       |
| D08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-15 | 295    | 23.83 | 23.60   | 0.217       |
| D09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-15 | 295    | 23.39 | 23.60   | 0.217       |
| D10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-16 | 297    | 22.82 | 23.06   | 0.210       |
| D11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-16 | 297    | 23.12 | 23.06   | 0.210       |
| D12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-16 | 297    | 23.22 | 23.06   | 0.210       |
| E01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-17 | 301    | 23.37 | 23.35   | 0.031       |
| E02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-17 | 301    | 23.32 | 23.35   | 0.031       |
| E03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-17 | 301    | 23.37 | 23.35   | 0.031       |
| E04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-18 | 302    | 23.45 | 23.37   | 0.141       |
| E05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-18 | 302    | 23.47 | 23.37   | 0.141       |
| E06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-18 | 302    | 23.21 | 23.37   | 0.141       |
| E07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-19 | 306    | 23.45 | 23.69   | 0.440       |

## Quantification Data

| Well | Fluor | Target                                   | Content | Sample | Cq    | Cq Mean | Cq Std. Dev |
|------|-------|--|---------|--------|-------|---------|-------------|
| E08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-19 | 306    | 23.42 | 23.69   | 0.440       |
| E09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-19 | 306    | 24.20 | 23.69   | 0.440       |
| E10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-20 | 310    | 23.28 | 23.28   | 0.094       |
| E11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-20 | 310    | 23.19 | 23.28   | 0.094       |
| E12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-20 | 310    | 23.37 | 23.28   | 0.094       |
| F01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-21 | 311    | 25.49 | 25.50   | 0.182       |
| F02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-21 | 311    | 25.32 | 25.50   | 0.182       |
| F03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-21 | 311    | 25.68 | 25.50   | 0.182       |
| F04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-22 | 316    | 23.95 | 28.99   | 8.568       |
| F05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-22 | 316    | 24.14 | 28.99   | 8.568       |
| F06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-22 | 316    | 38.89 | 28.99   | 8.568       |
| F07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-23 | 317    | 22.50 | 23.00   | 0.439       |
| F08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-23 | 317    | 23.34 | 23.00   | 0.439       |
| F09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-23 | 317    | 23.15 | 23.00   | 0.439       |
| F10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-24 | 318    | 23.13 | 23.08   | 0.060       |
| F11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-24 | 318    | 23.01 | 23.08   | 0.060       |
| F12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-24 | 318    | 23.09 | 23.08   | 0.060       |
| G01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-25 | 324    | 23.07 | 23.10   | 0.035       |
| G02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-25 | 324    | 23.10 | 23.10   | 0.035       |
| G03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-25 | 324    | 23.14 | 23.10   | 0.035       |
| G04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-26 | 326    | 23.50 | 23.51   | 0.013       |
| G05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-26 | 326    | 23.51 | 23.51   | 0.013       |
| G06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-26 | 326    | 23.53 | 23.51   | 0.013       |
| G07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-27 | 334    | 23.48 | 23.11   | 0.341       |
| G08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-27 | 334    | 23.03 | 23.11   | 0.341       |
| G09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-27 | 334    | 22.81 | 23.11   | 0.341       |
| G10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-28 | 341    | 23.04 | 23.22   | 0.177       |
| G11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-28 | 341    | 23.23 | 23.22   | 0.177       |

Quantification Data

| Well | Fluor | Target                                   | Content | Sample | Cq    | Cq Mean | Cq Std. Dev |
|------|-------|--|---------|--------|-------|---------|-------------|
| G12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-28 | 341    | 23.39 | 23.22   | 0.177       |
| H01  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-29 | 343    | 22.91 | 22.89   | 0.050       |
| H02  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-29 | 343    | 22.83 | 22.89   | 0.050       |
| H03  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-29 | 343    | 22.93 | 22.89   | 0.050       |
| H04  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-30 | 344    | 23.73 | 23.73   | 0.351       |
| H05  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-30 | 344    | 23.38 | 23.73   | 0.351       |
| H06  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-30 | 344    | 24.08 | 23.73   | 0.351       |
| H07  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-31 | 346    | 22.58 | 22.59   | 0.041       |
| H08  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-31 | 346    | 22.56 | 22.59   | 0.041       |
| H09  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-31 | 346    | 22.64 | 22.59   | 0.041       |
| H10  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-32 | 349    | 23.53 | 23.57   | 0.067       |
| H11  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-32 | 349    | 23.53 | 23.57   | 0.067       |
| H12  | SYBR  | Cg_GAPDH_205_F-355_R<br>(SR IDs: 1172/3) | Unkn-32 | 349    | 23.64 | 23.57   | 0.067       |

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         |                    |

Data

| Description                             | Value | Use  | Results          | Exclude Wells | All excluded wells |
|---|-------|------|------------------|---------------|--------------------|
| 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:F4, F5, F6. | False         |                    |