

sam_2024-12-10_14-48-30_Connect-ATP_synthase-01.pcrd

12/12/2024 14:34

Report Information

User: BioRad/sam

Data File Name: sam_2024-12-10_14-48-30_Connect-ATP_synthase-01.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 14:48

Run User: sam

Run Type: User-defined

Plate File: cgig-ATP_synthase-cfx-plate-01.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
Α	Unk-1	Unk-1	Unk-1	Unk-2	Unk-2	Unk-2	Unk-3	Unk-3	Unk-3	Unk-4	Unk-4	Unk-4
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	201	201	201	202	202	202	203	203	203	204	204	204
В	Unk-5	Unk-5	Unk-5	Unk-6	Unk-6	Unk-6	Unk-7	Unk-7	Unk-7	Unk-8	Unk-8	Unk-8
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	205	205	205	207	207	207	208	208	208	209	209	209

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
С	Unk-9	Unk-9	Unk-9	Unk-10	Unk-10	Unk-10	Unk-11	Unk-11	Unk-11	Unk-12	Unk-12	Unk-12
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	213	213	213	214	214	214	216	216	216	219	219	219
D	Unk-13	Unk-13	Unk-13	Unk-14	Unk-14	Unk-14	Unk-15	Unk-15	Unk-15	Unk-16	Unk-16	Unk-16
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	227	227	227	229	229	229	230	230	230	231	231	231
Е	Unk-17	Unk-17	Unk-17	Unk-18	Unk-18	Unk-18	Unk-19	Unk-19	Unk-19	Unk-20	Unk-20	Unk-20
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	232	232	232	233	233	233	235	235	235	236	236	236
F	Unk-21	Unk-21	Unk-21	Unk-22	Unk-22	Unk-22	Unk-23	Unk-23	Unk-23	Unk-24	Unk-24	Unk-24
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	237	237	237	238	238	238	239	239	239	240	240	240
G	Unk-25	Unk-25	Unk-25	Unk-26	Unk-26	Unk-26	Unk-27	Unk-27	Unk-27	Unk-28	Unk-28	Unk-28
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	241	241	241	245	245	245	248	248	248	250	250	250
Н	Unk-29	Unk-29	Unk-29	Unk-30	Unk-30	Unk-30	Unk-31	Unk-31	Unk-31	Unk-32	Unk-32	Unk-32
	Cg_ATPsyn											
	thase_F/R											
	(SR IDs:											
	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)	1385/6)
	252	252	252	258	258	258	263	263	263	268	268	268

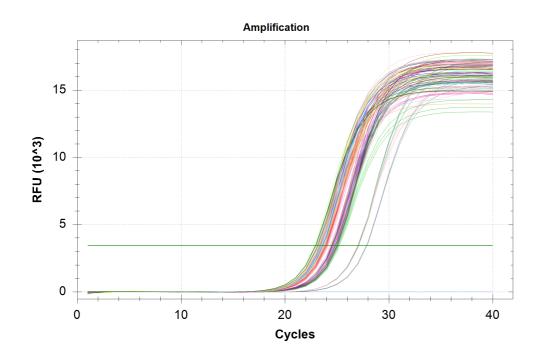
Quantification

Step #: 3

Analysis Mode: Fluorophore Cq Determination: Single Threshold

Baseline Method: SYBR: Auto Calculated Threshold Setting:

SYBR: 3429.74, Auto Calculated



Well	Fluor	Target	Content	Sample	Cq	Cq	Cq
						Mean	Std. Dev
A01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-01	201	23.96	23.94	0.030
A02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-01	201	23.96	23.94	0.030
A03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-01	201	23.91	23.94	0.030
A04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-02	202	23.27	23.30	0.036
A05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-02	202	23.34	23.30	0.036
A06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-02	202	23.29	23.30	0.036
A07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-03	203	24.01	23.99	0.021
A08	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-03	203	23.97	23.99	0.021
A09	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-03	203	24.00	23.99	0.021
A10	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-04	204	23.15	23.24	0.137
A11	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-04	204	23.40	23.24	0.137
A12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-04	204	23.17	23.24	0.137
B01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-05	205	24.46	24.47	0.103
B02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-05	205	24.57	24.47	0.103
B03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-05	205	24.37	24.47	0.103
B04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-06	207	23.50	23.41	0.127
B05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-06	207	23.32	23.41	0.127
B06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-06	207	N/A	0.00	0.000
B07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-07	208	22.78	23.32	0.462
B08	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-07	208	23.57	23.32	0.462
B09	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-07	208	23.59	23.32	0.462
B10	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-08	209	27.82	27.84	0.027
B11	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-08	209	27.87	27.84	0.027
B12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-08	209	27.82	27.84	0.027
C01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-09	213	27.07	27.05	0.018
C02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-09	213	27.04	27.05	0.018
C03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-09	213	27.04	27.05	0.018

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std.
C04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-10	214	25.02	25.05	Dev 0.019
C05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-10	214	25.06	25.05	0.019
C06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-10	214	25.05	25.05	0.019
C07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-11	216	25.01	24.99	0.026
C08	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-11	216	24.98	24.99	0.026
C09	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-11	216	24.96	24.99	0.026
C10	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-12	219	23.43	23.55	0.110
C11	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-12	219	23.58	23.55	0.110
C12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-12	219	23.64	23.55	0.110
D01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-13	227	27.08	27.02	0.050
D02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-13	227	26.99	27.02	0.050
D03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-13	227	27.00	27.02	0.050
D04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-14	229	25.04	25.03	0.057
D05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-14	229	24.96	25.03	0.057
D06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-14	229	25.08	25.03	0.057
D07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-15	230	24.83	24.77	0.065
D08	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-15	230	24.79	24.77	0.065
D09	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-15	230	24.70	24.77	0.065
D10	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-16	231	24.86	24.89	0.054
D11	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-16	231	24.95	24.89	0.054
D12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-16	231	24.86	24.89	0.054
E01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-17	232	23.60	23.43	0.160
E02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-17	232	23.42	23.43	0.160
E03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-17	232	23.28	23.43	0.160
E04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-18	233	23.26	23.33	0.065
E05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-18	233	23.39	23.33	0.065
E06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-18	233	23.34	23.33	0.065
E07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-19	235	24.47	24.53	0.067

E08 SYBR Cg_ATPsynthase_F/R Unkn-19 235 24.51 24.53 0.06								
E09 SYBR Cg_ATPsynthase_F/R Unkn-19 235 24.60 24.53 0.06	Well	Fluor	Target	Content	Sample	Cq	_	Cq Std. Dev
E10 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.79 23.85 0.05 E11 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.87 23.85 0.05 E12 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.90 23.85 0.05 E12 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.90 23.85 0.05 E12 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.69 23.53 0.14 E13 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.40 23.53 0.14 E14 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.40 23.53 0.14 E15 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.49 23.53 0.14 E16 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 E17 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 E18 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.55 24.52 0.02 E18 SYBR Cg_ATPsynthase_F/R Unkn-22 239 24.07 23.97 0.18 E18 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 E19 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 E18 SYBR Cg_ATPsynthase_F/R Unkn-23 239 23.75 23.97 0.18 E19 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.05 25.08 0.03 E19 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.10 25.08 0.03 E19 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.99 24.90 0.20 E19 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.66 24.90 0.20 E19 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 E19 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 E19 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.27 23.18 0.07 E19 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 E19 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.52 23.54 0.03 E10 SYBR Cg_ATP	E08	SYBR	, –	Unkn-19	235	24.51	24.53	0.067
E11 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.87 23.85 0.05 E12 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.90 23.85 0.05 E13 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.69 23.53 0.14 E14 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.69 23.53 0.14 E15 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.40 23.53 0.14 E16 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.40 23.53 0.14 E16 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.40 23.53 0.14 E16 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.49 23.53 0.14 E16 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 E16 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 E16 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 E16 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.55 24.52 0.02 E16 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.07 23.97 0.18 E16 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 E17 SYBR Cg_ATPsynthase_F/R Unkn-23 239 23.75 23.97 0.18 E17 SYBR Cg_ATPsynthase_F/R Unkn-23 239 23.75 23.97 0.18 E17 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.05 25.08 0.03 E17 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.10 25.08 0.03 E17 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 E17 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 E17 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.99 24.90 0.20 E17 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.66 24.90 0.20 E18 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 E18 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 E18 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 E18 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 E18 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.52 23.54 0.03 E18 SYBR Cg_ATP	E09	SYBR		Unkn-19	235	24.60	24.53	0.067
E12 SYBR Cg_ATPsynthase_F/R Unkn-20 236 23.90 23.85 0.05	E10	SYBR	, ,	Unkn-20	236	23.79	23.85	0.058
FOI SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Cg_ATPsynthase_F/	E11	SYBR		Unkn-20	236	23.87	23.85	0.058
SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Cg_ATPsynthase_F/R (SR	E12	SYBR		Unkn-20	236	23.90	23.85	0.058
FO3 SYBR Cg_ATPsynthase_F/R Unkn-21 237 23.49 23.53 0.14 FO4 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 FO5 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 FO6 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02 FO6 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.55 24.52 0.02 FO7 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.07 23.97 0.18 FO8 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 FO8 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 FO9 SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.08 23.97 0.18 FO9 SYBR Cg_ATPsynthase_F/R Unkn-23 239 23.75 23.97 0.18 FO9 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.05 25.08 0.03 F11 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.10 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.99 24.90 0.20 G01 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 G02 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 G03 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 G04 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 G05 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATP	F01	SYBR		Unkn-21	237	23.69	23.53	0.148
FO4 SYBR Cg_ATPsynthase_F/R Unkn-22 238 24.51 24.52 0.02	F02	SYBR		Unkn-21	237	23.40	23.53	0.148
FO5 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Cg_ATPsynthase_F/	F03	SYBR		Unkn-21	237	23.49	23.53	0.148
F06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-22 238 24.55 24.52 0.02 F07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-23 239 24.07 23.97 0.18 F08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-23 239 24.08 23.97 0.18 F09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-23 239 24.08 23.97 0.18 F10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-24 240 25.05 25.08 0.03 F11 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-24 240 25.10 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-24 240 25.11 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-24 240 25.11 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.99 24.90 0.20 G01 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 25.03 24.90 0.20 G02 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.66 24.90 0.20 G03 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPs	F04	SYBR		Unkn-22	238	24.51	24.52	0.020
SYBR Cg_ATPsynthase_F/R Unkn-23 239 24.07 23.97 0.18	F05	SYBR	C	Unkn-22	238	24.51	24.52	0.020
CSR IDs: 1385/6 Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-23 239 24.08 23.97 0.18	F06	SYBR		Unkn-22	238	24.55	24.52	0.020
SYBR Cg_ATPsynthase_F/R	F07	SYBR		Unkn-23	239	24.07	23.97	0.184
F10 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.05 25.08 0.03 F11 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.10 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 F12 SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.11 25.08 0.03 G01 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.99 24.90 0.20 G02 SYBR Cg_ATPsynthase_F/R Unkn-25 241 25.03 24.90 0.20 G03 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.66 24.90 0.20 G04 SYBR Cg_ATPsynthase_F/R Unkn-25 241 24.66 24.90 0.20 G05 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.27 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.12 23.18 0.07 G08 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R Unkn-26 245 23.16 23.18 0.07 G08 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.58 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R Unkn-27 248 23.58 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R Unkn-28 250 23.10 23.11 0.03 G09 SYBR Cg_ATP	F08	SYBR		Unkn-23	239	24.08	23.97	0.184
SYBR Cg_ATPsynthase_F/R Unkn-24 240 25.10 25.08 0.03	F09	SYBR		Unkn-23	239	23.75	23.97	0.184
SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Cg_ATPsynthase_F/R (SR	F10	SYBR		Unkn-24	240	25.05	25.08	0.033
G01 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.99 24.90 0.20 G02 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 25.03 24.90 0.20 G03 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.66 24.90 0.20 G04 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G05 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.27 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.0	F11	SYBR		Unkn-24	240	25.10	25.08	0.033
G02 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 25.03 24.90 0.20 G03 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.66 24.90 0.20 G04 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G05 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.27 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	F12	SYBR	C	Unkn-24	240	25.11	25.08	0.033
G03 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-25 241 24.66 24.90 0.20 G04 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G05 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.27 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G01	SYBR		Unkn-25	241	24.99	24.90	0.201
G04 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.12 23.18 0.07 G05 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.27 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G02	SYBR		Unkn-25	241	25.03	24.90	0.201
GO5 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.27 23.18 0.07 G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G03	SYBR		Unkn-25	241	24.66	24.90	0.201
G06 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-26 245 23.16 23.18 0.07 G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G04	SYBR		Unkn-26	245	23.12	23.18	0.078
G07 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G05	SYBR		Unkn-26	245	23.27	23.18	0.078
G08 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.52 23.54 0.03 G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G06	SYBR		Unkn-26	245	23.16	23.18	0.078
G09 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-27 248 23.58 23.54 0.03 G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Unkn-28 250 23.10 23.11 0.03	G07	SYBR		Unkn-27	248	23.52	23.54	0.035
(SR IDs: 1385/6) G10 SYBR Cg_ATPsynthase_F/R (SR IDs: 1385/6) Cg_ATPsynthase_F/R Unkn-28 250 23.10 23.11 0.03	G08	SYBR		Unkn-27	248	23.52	23.54	0.035
(SR IDs: 1385/6)	G09	SYBR		Unkn-27	248	23.58	23.54	0.035
G11 SYBR Cg_ATPsynthase_F/R Unkn-28 250 23.08 23.11 0.03	G10	SYBR		Unkn-28	250	23.10	23.11	0.034
(SR IDs: 1385/6)	G11	SYBR		Unkn-28	250	23.08	23.11	0.034

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
G12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-28	250	23.15	23.11	0.034
H01	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-29	252	25.23	25.16	0.058
H02	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-29	252	25.15	25.16	0.058
H03	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-29	252	25.11	25.16	0.058
H04	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-30	258	23.33	23.34	0.019
H05	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-30	258	23.33	23.34	0.019
H06	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-30	258	23.36	23.34	0.019
H07	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-31	263	24.13	24.06	0.072
H08	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-31	263	24.04	24.06	0.072
H09	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-31	263	23.99	24.06	0.072
H10	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-32	268	22.94	22.93	0.022
H11	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-32	268	22.96	22.93	0.022
H12	SYBR	Cg_ATPsynthase_F/R (SR IDs: 1385/6)	Unkn-32	268	22.91	22.93	0.022

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	SYBR:B6.	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		False	