



# sam\_2026-01-28\_10-55-49\_Connect-ATP\_synthase-03.pcrd

01/29/2026 13:06

## Report Information

**User:** BioRad/sam

**Data File Name:** sam\_2026-01-28\_10-55-49\_Connect-ATP\_synthase-03.pcrd

**Data File Path:** C:\Users\Samb\Desktop\qPCR-polyIC

**Well Group Name:** All Wells

**Report Differs from Last Save:** No

## Run Setup

### Run Information

**Run Date:** 01/28/2026 10:56

**Run User:** sam

**Run Type:** User-defined

**Plate File:** mgig-03-ATP\_synthase-polyIC-valentina-cfx-plate.ptld

**ID:**

**Notes:** ATP\_synthase - Primer SRIDs 1383 and 1384

**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 ATP_synthase se D2PC	Unk-1 ATP_synthase se D2PC	Unk-1 ATP_synthase se D2PC	Unk-2 ATP_synthase se D3PC	Unk-2 ATP_synthase se D3PC	Unk-2 ATP_synthase se D3PC	Unk-3 ATP_synthase se D4PC	Unk-3 ATP_synthase se D4PC	Unk-3 ATP_synthase se D4PC	Unk-4 ATP_synthase se D5PC	Unk-4 ATP_synthase se D5PC	Unk-4 ATP_synthase se D5PC
B	Unk-5 ATP_synthase se D1PM	Unk-5 ATP_synthase se D1PM	Unk-5 ATP_synthase se D1PM	Unk-6 ATP_synthase se D2PM	Unk-6 ATP_synthase se D2PM	Unk-6 ATP_synthase se D2PM	Unk-7 ATP_synthase se D3PM	Unk-7 ATP_synthase se D3PM	Unk-7 ATP_synthase se D3PM	Unk-8 ATP_synthase se D4PM	Unk-8 ATP_synthase se D4PM	Unk-8 ATP_synthase se D4PM
C	Unk-9 ATP_synthase se D4PM	Unk-9 ATP_synthase se D4PM	Unk-9 ATP_synthase se D4PM	Unk-10 ATP_synthase se A1PT	Unk-10 ATP_synthase se A1PT	Unk-10 ATP_synthase se A1PT	Unk-11 ATP_synthase se A2PT	Unk-11 ATP_synthase se A2PT	Unk-11 ATP_synthase se A2PT	Unk-12 ATP_synthase se A3PT	Unk-12 ATP_synthase se A3PT	Unk-12 ATP_synthase se A3PT

## Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 ATP_synthase A4PT	Unk-13 ATP_synthase A4PT	Unk-13 ATP_synthase A4PT	Unk-14 ATP_synthase A5PT	Unk-14 ATP_synthase A5PT	Unk-14 ATP_synthase A5PT	Unk-15 ATP_synthase B1PT	Unk-15 ATP_synthase B1PT	Unk-15 ATP_synthase B1PT	Unk-16 ATP_synthase B2PT	Unk-16 ATP_synthase B2PT	Unk-16 ATP_synthase B2PT
E	Unk-17 ATP_synthase B3PT	Unk-17 ATP_synthase B3PT	Unk-17 ATP_synthase B3PT	Unk-18 ATP_synthase B4PT	Unk-18 ATP_synthase B4PT	Unk-18 ATP_synthase B4PT	Unk-19 ATP_synthase B5PT	Unk-19 ATP_synthase B5PT	Unk-19 ATP_synthase B5PT	Unk-20 ATP_synthase C1PT	Unk-20 ATP_synthase C1PT	Unk-20 ATP_synthase C1PT
F	Unk-21 ATP_synthase C2PT	Unk-21 ATP_synthase C2PT	Unk-21 ATP_synthase C2PT	Unk-22 ATP_synthase C3PT	Unk-22 ATP_synthase C3PT	Unk-22 ATP_synthase C3PT	Unk-23 ATP_synthase C4PT	Unk-23 ATP_synthase C4PT	Unk-23 ATP_synthase C4PT	Unk-24 ATP_synthase C5PT	Unk-24 ATP_synthase C5PT	Unk-24 ATP_synthase C5PT
G	Unk-25 ATP_synthase D1PT	Unk-25 ATP_synthase D1PT	Unk-25 ATP_synthase D1PT	Unk-26 ATP_synthase D2PT	Unk-26 ATP_synthase D2PT	Unk-26 ATP_synthase D2PT	Unk-27 ATP_synthase D3PT	Unk-27 ATP_synthase D3PT	Unk-27 ATP_synthase D3PT	Unk-28 ATP_synthase D4PT	Unk-28 ATP_synthase D4PT	Unk-28 ATP_synthase D4PT
H	Unk-29 ATP_synthase D5PT	Unk-29 ATP_synthase D5PT	Unk-29 ATP_synthase D5PT	NTC-1	NTC-1	NTC-1						

## Quantification

### Step #: 3

**Analysis Mode:** Fluorophore

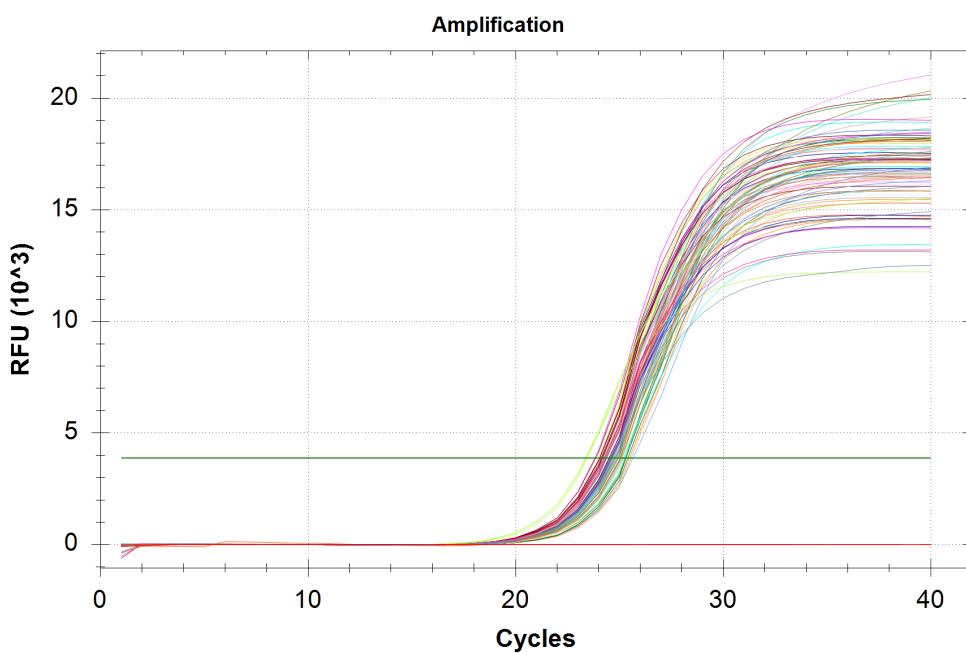
**Cq Determination:** Single Threshold

**Baseline Method:**

SYBR: Auto Calculated

**Threshold Setting:**

SYBR: 3870.58, Auto Calculated



## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	ATP_synthase	Unkn-01	D2PC	25.48	25.50	0.044
A02	SYBR	ATP_synthase	Unkn-01	D2PC	25.55	25.50	0.044
A03	SYBR	ATP_synthase	Unkn-01	D2PC	25.47	25.50	0.044

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	ATP_synthase	Unkn-02	D3PC	24.35	24.43	0.320
A05	SYBR	ATP_synthase	Unkn-02	D3PC	24.16	24.43	0.320
A06	SYBR	ATP_synthase	Unkn-02	D3PC	24.78	24.43	0.320
A07	SYBR	ATP_synthase	Unkn-03	D4PC	25.40	25.33	0.060
A08	SYBR	ATP_synthase	Unkn-03	D4PC	25.29	25.33	0.060
A09	SYBR	ATP_synthase	Unkn-03	D4PC	25.31	25.33	0.060
A10	SYBR	ATP_synthase	Unkn-04	D5PC	25.27	25.21	0.094
A11	SYBR	ATP_synthase	Unkn-04	D5PC	25.24	25.21	0.094
A12	SYBR	ATP_synthase	Unkn-04	D5PC	25.10	25.21	0.094
B01	SYBR	ATP_synthase	Unkn-05	D1PM	24.78	24.65	0.135
B02	SYBR	ATP_synthase	Unkn-05	D1PM	24.67	24.65	0.135
B03	SYBR	ATP_synthase	Unkn-05	D1PM	24.51	24.65	0.135
B04	SYBR	ATP_synthase	Unkn-06	D2PM	24.30	24.28	0.234
B05	SYBR	ATP_synthase	Unkn-06	D2PM	24.03	24.28	0.234
B06	SYBR	ATP_synthase	Unkn-06	D2PM	24.50	24.28	0.234
B07	SYBR	ATP_synthase	Unkn-07	D3PM	25.03	25.04	0.090
B08	SYBR	ATP_synthase	Unkn-07	D3PM	24.95	25.04	0.090
B09	SYBR	ATP_synthase	Unkn-07	D3PM	25.13	25.04	0.090
B10	SYBR	ATP_synthase	Unkn-08	D4PM	25.19	25.10	0.085
B11	SYBR	ATP_synthase	Unkn-08	D4PM	25.10	25.10	0.085
B12	SYBR	ATP_synthase	Unkn-08	D4PM	25.02	25.10	0.085
C01	SYBR	ATP_synthase	Unkn-09	D4PM	24.84	24.74	0.090
C02	SYBR	ATP_synthase	Unkn-09	D4PM	24.67	24.74	0.090
C03	SYBR	ATP_synthase	Unkn-09	D4PM	24.72	24.74	0.090
C04	SYBR	ATP_synthase	Unkn-10	A1PT	24.05	24.10	0.122
C05	SYBR	ATP_synthase	Unkn-10	A1PT	24.01	24.10	0.122
C06	SYBR	ATP_synthase	Unkn-10	A1PT	24.24	24.10	0.122
C07	SYBR	ATP_synthase	Unkn-11	A2PT	24.38	24.60	0.207
C08	SYBR	ATP_synthase	Unkn-11	A2PT	24.79	24.60	0.207
C09	SYBR	ATP_synthase	Unkn-11	A2PT	24.62	24.60	0.207
C10	SYBR	ATP_synthase	Unkn-12	A3PT	24.12	23.99	0.164
C11	SYBR	ATP_synthase	Unkn-12	A3PT	23.81	23.99	0.164
C12	SYBR	ATP_synthase	Unkn-12	A3PT	24.06	23.99	0.164
D01	SYBR	ATP_synthase	Unkn-13	A4PT	24.65	24.62	0.040
D02	SYBR	ATP_synthase	Unkn-13	A4PT	24.62	24.62	0.040
D03	SYBR	ATP_synthase	Unkn-13	A4PT	24.57	24.62	0.040
D04	SYBR	ATP_synthase	Unkn-14	A5PT	24.17	24.17	0.134
D05	SYBR	ATP_synthase	Unkn-14	A5PT	24.04	24.17	0.134
D06	SYBR	ATP_synthase	Unkn-14	A5PT	24.31	24.17	0.134
D07	SYBR	ATP_synthase	Unkn-15	B1PT	24.12	24.01	0.140
D08	SYBR	ATP_synthase	Unkn-15	B1PT	23.85	24.01	0.140
D09	SYBR	ATP_synthase	Unkn-15	B1PT	24.04	24.01	0.140
D10	SYBR	ATP_synthase	Unkn-16	B2PT	24.95	25.12	0.175
D11	SYBR	ATP_synthase	Unkn-16	B2PT	25.11	25.12	0.175
D12	SYBR	ATP_synthase	Unkn-16	B2PT	25.30	25.12	0.175
E01	SYBR	ATP_synthase	Unkn-17	B3PT	24.71	24.62	0.078
E02	SYBR	ATP_synthase	Unkn-17	B3PT	24.56	24.62	0.078
E03	SYBR	ATP_synthase	Unkn-17	B3PT	24.59	24.62	0.078
E04	SYBR	ATP_synthase	Unkn-18	B4PT	25.16	25.10	0.065

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	ATP_synthase	Unkn-18	B4PT	25.03	25.10	0.065
E06	SYBR	ATP_synthase	Unkn-18	B4PT	25.10	25.10	0.065
E07	SYBR	ATP_synthase	Unkn-19	B5PT	25.05	24.99	0.080
E08	SYBR	ATP_synthase	Unkn-19	B5PT	24.90	24.99	0.080
E09	SYBR	ATP_synthase	Unkn-19	B5PT	25.03	24.99	0.080
E10	SYBR	ATP_synthase	Unkn-20	C1PT	24.05	24.13	0.073
E11	SYBR	ATP_synthase	Unkn-20	C1PT	24.19	24.13	0.073
E12	SYBR	ATP_synthase	Unkn-20	C1PT	24.16	24.13	0.073
F01	SYBR	ATP_synthase	Unkn-21	C2PT	25.07	24.98	0.119
F02	SYBR	ATP_synthase	Unkn-21	C2PT	24.84	24.98	0.119
F03	SYBR	ATP_synthase	Unkn-21	C2PT	25.02	24.98	0.119
F04	SYBR	ATP_synthase	Unkn-22	C3PT	24.59	24.51	0.173
F05	SYBR	ATP_synthase	Unkn-22	C3PT	24.32	24.51	0.173
F06	SYBR	ATP_synthase	Unkn-22	C3PT	24.64	24.51	0.173
F07	SYBR	ATP_synthase	Unkn-23	C4PT	24.59	24.47	0.189
F08	SYBR	ATP_synthase	Unkn-23	C4PT	24.26	24.47	0.189
F09	SYBR	ATP_synthase	Unkn-23	C4PT	24.58	24.47	0.189
F10	SYBR	ATP_synthase	Unkn-24	C5PT	24.55	24.49	0.113
F11	SYBR	ATP_synthase	Unkn-24	C5PT	24.56	24.49	0.113
F12	SYBR	ATP_synthase	Unkn-24	C5PT	24.36	24.49	0.113
G01	SYBR	ATP_synthase	Unkn-25	D1PT	24.62	24.56	0.066
G02	SYBR	ATP_synthase	Unkn-25	D1PT	24.49	24.56	0.066
G03	SYBR	ATP_synthase	Unkn-25	D1PT	24.58	24.56	0.066
G04	SYBR	ATP_synthase	Unkn-26	D2PT	24.26	24.29	0.058
G05	SYBR	ATP_synthase	Unkn-26	D2PT	24.25	24.29	0.058
G06	SYBR	ATP_synthase	Unkn-26	D2PT	24.35	24.29	0.058
G07	SYBR	ATP_synthase	Unkn-27	D3PT	24.71	24.99	0.571
G08	SYBR	ATP_synthase	Unkn-27	D3PT	24.61	24.99	0.571
G09	SYBR	ATP_synthase	Unkn-27	D3PT	25.64	24.99	0.571
G10	SYBR	ATP_synthase	Unkn-28	D4PT	23.35	23.39	0.040
G11	SYBR	ATP_synthase	Unkn-28	D4PT	23.43	23.39	0.040
G12	SYBR	ATP_synthase	Unkn-28	D4PT	23.38	23.39	0.040
H01	SYBR	ATP_synthase	Unkn-29	D5PT	24.77	24.72	0.116
H02	SYBR	ATP_synthase	Unkn-29	D5PT	24.58	24.72	0.116
H03	SYBR	ATP_synthase	Unkn-29	D5PT	24.80	24.72	0.116
H04	SYBR	ATP_synthase	NTC-01		N/A	0.00	0.000
H05	SYBR	ATP_synthase	NTC-01		N/A	0.00	0.000
H06	SYBR	ATP_synthase	NTC-01		N/A	0.00	0.000

## 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:G7, G8, G9.	False	