

sam_2026-01-28_09-56-00_Connect-ATP_synthase-01.pcrd

01/29/2026 13:01

Report Information

User: BioRad/sam

Data File Name: sam_2026-01-28_09-56-00_Connect-ATP_synthase-01.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 09:56

Run User: sam

Run Type: User-defined

Plate File: mgig-01-ATP_synthase-polyIC-valentina-cfx-plate.ptld

ID:

Notes: ATP_synthase - Primer SRIDs 1385 and 1386

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 A1C	Unk-1 ATP_synthase se A1C	Unk-1 ATP_synthase se A1C	Unk-2 ATP_synthase se A2C	Unk-2 ATP_synthase se A2C	Unk-2 ATP_synthase se A2C	Unk-3 ATP_synthase se A3C	Unk-3 ATP_synthase se A3C	Unk-3 ATP_synthase se A3C	Unk-4 ATP_synthase se A4C	Unk-4 ATP_synthase se A4C	Unk-4 ATP_synthase se A4C
B	Unk-5 ATP_synthase se A5C	Unk-5 ATP_synthase se A5C	Unk-5 ATP_synthase se A5C	Unk-6 ATP_synthase se B1C	Unk-6 ATP_synthase se B1C	Unk-6 ATP_synthase se B1C	Unk-7 ATP_synthase se B2C	Unk-7 ATP_synthase se B2C	Unk-7 ATP_synthase se B2C	Unk-8 ATP_synthase se B3C	Unk-8 ATP_synthase se B3C	Unk-8 ATP_synthase se B3C
C	Unk-9 ATP_synthase se B4C	Unk-9 ATP_synthase se B4C	Unk-9 ATP_synthase se B4C	Unk-10 ATP_synthase se B5C	Unk-10 ATP_synthase se B5C	Unk-10 ATP_synthase se B5C	Unk-11 ATP_synthase se C1C	Unk-11 ATP_synthase se C1C	Unk-11 ATP_synthase se C1C	Unk-12 ATP_synthase se C2C	Unk-12 ATP_synthase se C2C	Unk-12 ATP_synthase se C2C

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 ATP_synthase se C3C	Unk-13 ATP_synthase se C3C	Unk-13 ATP_synthase se C3C	Unk-14 ATP_synthase se C4C	Unk-14 ATP_synthase se C4C	Unk-14 ATP_synthase se C4C	Unk-15 ATP_synthase se C5C	Unk-15 ATP_synthase se C5C	Unk-16 ATP_synthase se D1C	Unk-16 ATP_synthase se D1C	Unk-16 ATP_synthase se D1C	Unk-16 ATP_synthase se D1C
E	Unk-17 ATP_synthase se D2C	Unk-17 ATP_synthase se D2C	Unk-17 ATP_synthase se D2C	Unk-18 ATP_synthase se D3C	Unk-18 ATP_synthase se D3C	Unk-18 ATP_synthase se D3C	Unk-19 ATP_synthase se D4C	Unk-19 ATP_synthase se D4C	Unk-20 ATP_synthase se D5C	Unk-20 ATP_synthase se D5C	Unk-20 ATP_synthase se D5C	Unk-20 ATP_synthase se D5C
F	Unk-21 ATP_synthase se A1M	Unk-21 ATP_synthase se A1M	Unk-21 ATP_synthase se A1M	Unk-22 ATP_synthase se A2M	Unk-22 ATP_synthase se A2M	Unk-22 ATP_synthase se A2M	Unk-23 ATP_synthase se A3M	Unk-23 ATP_synthase se A3M	Unk-24 ATP_synthase se A4M	Unk-24 ATP_synthase se A4M	Unk-24 ATP_synthase se A4M	Unk-24 ATP_synthase se A4M
G	Unk-25 ATP_synthase se A5M	Unk-25 ATP_synthase se A5M	Unk-25 ATP_synthase se A5M	Unk-26 ATP_synthase se B1M	Unk-26 ATP_synthase se B1M	Unk-26 ATP_synthase se B1M	Unk-27 ATP_synthase se B2M	Unk-27 ATP_synthase se B2M	Unk-28 ATP_synthase se B3M	Unk-28 ATP_synthase se B3M	Unk-28 ATP_synthase se B3M	Unk-28 ATP_synthase se B3M
H	Unk-29 ATP_synthase se B4M	Unk-29 ATP_synthase se B4M	Unk-29 ATP_synthase se B4M	Unk-30 ATP_synthase se B5M	Unk-30 ATP_synthase se B5M	Unk-30 ATP_synthase se B5M	Unk-31 ATP_synthase se C1M	Unk-31 ATP_synthase se C1M	Unk-32 ATP_synthase se C2M	Unk-32 ATP_synthase se C2M	Unk-32 ATP_synthase se C2M	Unk-32 ATP_synthase se C2M

Quantification

Step #: 3

Analysis Mode: Fluorophore

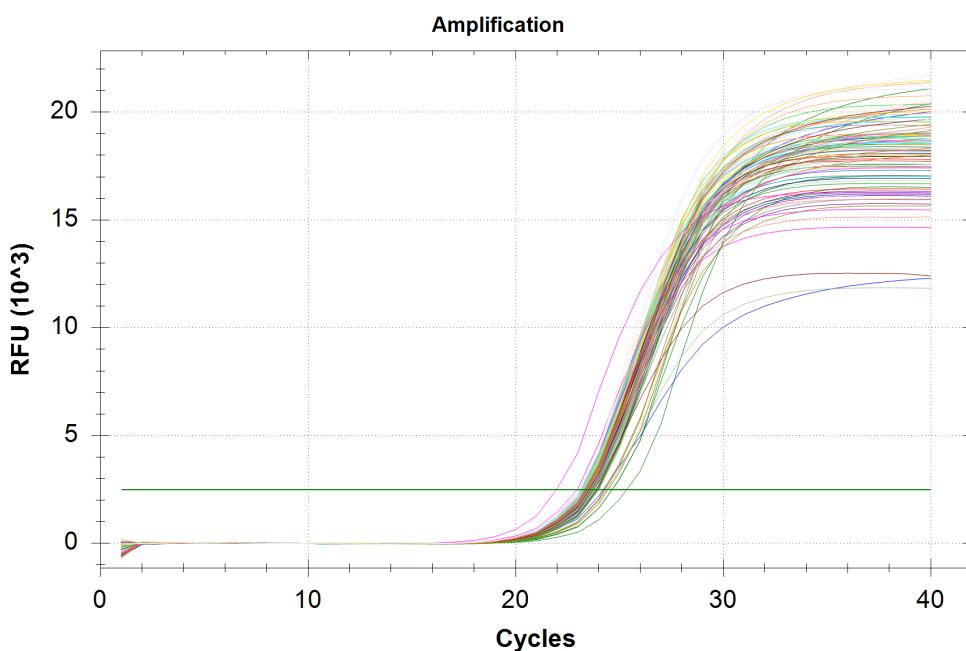
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 2480.29, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	ATP_synthase	Unkn-01	A1C	23.63	23.58	0.067
A02	SYBR	ATP_synthase	Unkn-01	A1C	23.61	23.58	0.067
A03	SYBR	ATP_synthase	Unkn-01	A1C	23.51	23.58	0.067

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	ATP_synthase	Unkn-02	A2C	24.63	24.87	0.405
A05	SYBR	ATP_synthase	Unkn-02	A2C	24.64	24.87	0.405
A06	SYBR	ATP_synthase	Unkn-02	A2C	25.33	24.87	0.405
A07	SYBR	ATP_synthase	Unkn-03	A3C	24.20	23.75	0.391
A08	SYBR	ATP_synthase	Unkn-03	A3C	23.50	23.75	0.391
A09	SYBR	ATP_synthase	Unkn-03	A3C	23.55	23.75	0.391
A10	SYBR	ATP_synthase	Unkn-04	A4C	24.45	24.36	0.110
A11	SYBR	ATP_synthase	Unkn-04	A4C	24.38	24.36	0.110
A12	SYBR	ATP_synthase	Unkn-04	A4C	24.24	24.36	0.110
B01	SYBR	ATP_synthase	Unkn-05	A5C	23.22	23.20	0.020
B02	SYBR	ATP_synthase	Unkn-05	A5C	23.19	23.20	0.020
B03	SYBR	ATP_synthase	Unkn-05	A5C	23.18	23.20	0.020
B04	SYBR	ATP_synthase	Unkn-06	B1C	23.27	23.40	0.119
B05	SYBR	ATP_synthase	Unkn-06	B1C	23.45	23.40	0.119
B06	SYBR	ATP_synthase	Unkn-06	B1C	23.49	23.40	0.119
B07	SYBR	ATP_synthase	Unkn-07	B2C	23.50	23.55	0.050
B08	SYBR	ATP_synthase	Unkn-07	B2C	23.57	23.55	0.050
B09	SYBR	ATP_synthase	Unkn-07	B2C	23.59	23.55	0.050
B10	SYBR	ATP_synthase	Unkn-08	B3C	23.69	23.60	0.108
B11	SYBR	ATP_synthase	Unkn-08	B3C	23.48	23.60	0.108
B12	SYBR	ATP_synthase	Unkn-08	B3C	23.64	23.60	0.108
C01	SYBR	ATP_synthase	Unkn-09	B4C	23.32	23.24	0.069
C02	SYBR	ATP_synthase	Unkn-09	B4C	23.22	23.24	0.069
C03	SYBR	ATP_synthase	Unkn-09	B4C	23.19	23.24	0.069
C04	SYBR	ATP_synthase	Unkn-10	B5C	23.24	23.28	0.057
C05	SYBR	ATP_synthase	Unkn-10	B5C	23.26	23.28	0.057
C06	SYBR	ATP_synthase	Unkn-10	B5C	23.35	23.28	0.057
C07	SYBR	ATP_synthase	Unkn-11	C1C	23.75	23.74	0.007
C08	SYBR	ATP_synthase	Unkn-11	C1C	23.75	23.74	0.007
C09	SYBR	ATP_synthase	Unkn-11	C1C	23.74	23.74	0.007
C10	SYBR	ATP_synthase	Unkn-12	C2C	23.31	23.28	0.065
C11	SYBR	ATP_synthase	Unkn-12	C2C	23.20	23.28	0.065
C12	SYBR	ATP_synthase	Unkn-12	C2C	23.32	23.28	0.065
D01	SYBR	ATP_synthase	Unkn-13	C3C	23.84	23.79	0.046
D02	SYBR	ATP_synthase	Unkn-13	C3C	23.76	23.79	0.046
D03	SYBR	ATP_synthase	Unkn-13	C3C	23.77	23.79	0.046
D04	SYBR	ATP_synthase	Unkn-14	C4C	23.51	23.62	0.202
D05	SYBR	ATP_synthase	Unkn-14	C4C	23.50	23.62	0.202
D06	SYBR	ATP_synthase	Unkn-14	C4C	23.85	23.62	0.202
D07	SYBR	ATP_synthase	Unkn-15	C5C	23.65	23.68	0.022
D08	SYBR	ATP_synthase	Unkn-15	C5C	23.68	23.68	0.022
D09	SYBR	ATP_synthase	Unkn-15	C5C	23.70	23.68	0.022
D10	SYBR	ATP_synthase	Unkn-16	D1C	23.83	23.91	0.067
D11	SYBR	ATP_synthase	Unkn-16	D1C	23.94	23.91	0.067
D12	SYBR	ATP_synthase	Unkn-16	D1C	23.96	23.91	0.067
E01	SYBR	ATP_synthase	Unkn-17	D2C	23.27	23.25	0.027
E02	SYBR	ATP_synthase	Unkn-17	D2C	23.22	23.25	0.027
E03	SYBR	ATP_synthase	Unkn-17	D2C	23.26	23.25	0.027
E04	SYBR	ATP_synthase	Unkn-18	D3C	23.87	23.90	0.038

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	ATP_synthase	Unkn-18	D3C	23.89	23.90	0.038
E06	SYBR	ATP_synthase	Unkn-18	D3C	23.94	23.90	0.038
E07	SYBR	ATP_synthase	Unkn-19	D4C	23.44	23.36	0.075
E08	SYBR	ATP_synthase	Unkn-19	D4C	23.29	23.36	0.075
E09	SYBR	ATP_synthase	Unkn-19	D4C	23.34	23.36	0.075
E10	SYBR	ATP_synthase	Unkn-20	D5C	23.15	23.20	0.192
E11	SYBR	ATP_synthase	Unkn-20	D5C	23.04	23.20	0.192
E12	SYBR	ATP_synthase	Unkn-20	D5C	23.42	23.20	0.192
F01	SYBR	ATP_synthase	Unkn-21	A1M	23.45	23.42	0.050
F02	SYBR	ATP_synthase	Unkn-21	A1M	23.36	23.42	0.050
F03	SYBR	ATP_synthase	Unkn-21	A1M	23.45	23.42	0.050
F04	SYBR	ATP_synthase	Unkn-22	A2M	23.47	23.58	0.113
F05	SYBR	ATP_synthase	Unkn-22	A2M	23.57	23.58	0.113
F06	SYBR	ATP_synthase	Unkn-22	A2M	23.69	23.58	0.113
F07	SYBR	ATP_synthase	Unkn-23	A3M	23.29	23.22	0.064
F08	SYBR	ATP_synthase	Unkn-23	A3M	23.16	23.22	0.064
F09	SYBR	ATP_synthase	Unkn-23	A3M	23.21	23.22	0.064
F10	SYBR	ATP_synthase	Unkn-24	A4M	23.33	23.36	0.043
F11	SYBR	ATP_synthase	Unkn-24	A4M	23.41	23.36	0.043
F12	SYBR	ATP_synthase	Unkn-24	A4M	23.34	23.36	0.043
G01	SYBR	ATP_synthase	Unkn-25	A5M	23.34	23.38	0.052
G02	SYBR	ATP_synthase	Unkn-25	A5M	23.37	23.38	0.052
G03	SYBR	ATP_synthase	Unkn-25	A5M	23.44	23.38	0.052
G04	SYBR	ATP_synthase	Unkn-26	B1M	21.94	22.67	0.635
G05	SYBR	ATP_synthase	Unkn-26	B1M	22.95	22.67	0.635
G06	SYBR	ATP_synthase	Unkn-26	B1M	23.11	22.67	0.635
G07	SYBR	ATP_synthase	Unkn-27	B2M	23.33	23.43	0.104
G08	SYBR	ATP_synthase	Unkn-27	B2M	23.54	23.43	0.104
G09	SYBR	ATP_synthase	Unkn-27	B2M	23.41	23.43	0.104
G10	SYBR	ATP_synthase	Unkn-28	B3M	23.99	24.12	0.205
G11	SYBR	ATP_synthase	Unkn-28	B3M	24.01	24.12	0.205
G12	SYBR	ATP_synthase	Unkn-28	B3M	24.35	24.12	0.205
H01	SYBR	ATP_synthase	Unkn-29	B4M	23.75	23.55	0.187
H02	SYBR	ATP_synthase	Unkn-29	B4M	23.53	23.55	0.187
H03	SYBR	ATP_synthase	Unkn-29	B4M	23.37	23.55	0.187
H04	SYBR	ATP_synthase	Unkn-30	B5M	24.29	24.33	0.097
H05	SYBR	ATP_synthase	Unkn-30	B5M	24.26	24.33	0.097
H06	SYBR	ATP_synthase	Unkn-30	B5M	24.44	24.33	0.097
H07	SYBR	ATP_synthase	Unkn-31	C1M	23.44	23.35	0.096
H08	SYBR	ATP_synthase	Unkn-31	C1M	23.36	23.35	0.096
H09	SYBR	ATP_synthase	Unkn-31	C1M	23.25	23.35	0.096
H10	SYBR	ATP_synthase	Unkn-32	C2M	23.05	23.13	0.086
H11	SYBR	ATP_synthase	Unkn-32	C2M	23.12	23.13	0.086
H12	SYBR	ATP_synthase	Unkn-32	C2M	23.23	23.13	0.086

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:G4, G5, G6.	False	