sam_2026-01-28_10-13-15_CFX96-ATP_synthase-02.pcrd

01/29/2026 13:03

Report Information

User: BioRad/sam
Data File Name: sam_2026-01-28_10-13-15_CFX96-ATP_synthase-02.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 10:13
Run User: sam
Run Type: User-defined
Plate File: mgig-02-ATP_synthase-polyIC-valentina-cfx-plate.pltd
ID:
Notes: ATP_synthase - Primer SRIDs 1383 and 1384
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

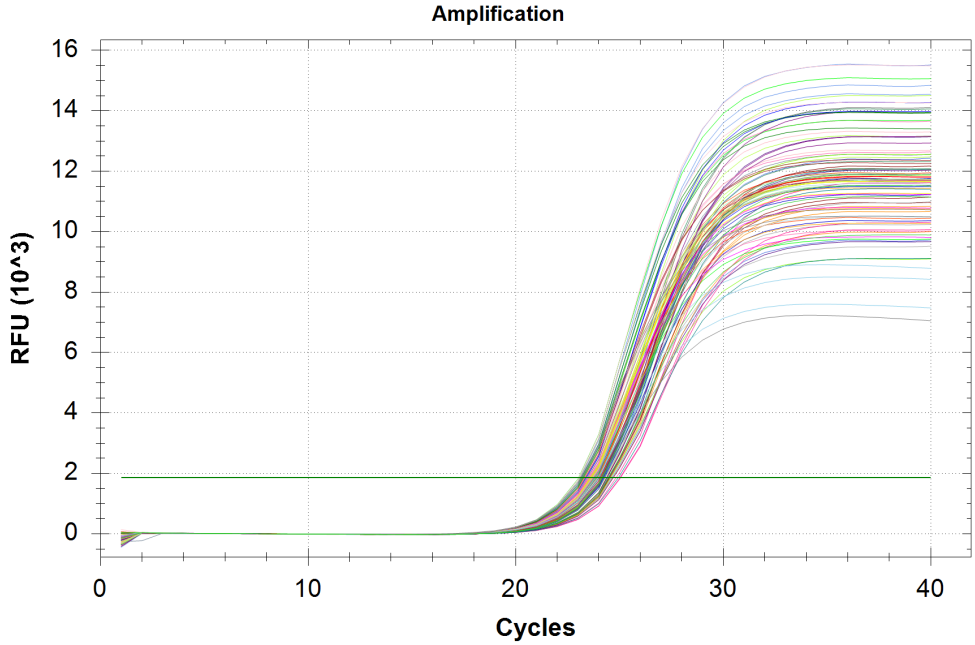
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 ATP_synthase C3M	Unk-1 ATP_synthase C3M	Unk-1 ATP_synthase C3M	Unk-2 ATP_synthase C4M	Unk-2 ATP_synthase C4M	Unk-2 ATP_synthase C4M	Unk-3 ATP_synthase C5M	Unk-3 ATP_synthase C5M	Unk-3 ATP_synthase C5M	Unk-4 ATP_synthase D1M	Unk-4 ATP_synthase D1M	Unk-4 ATP_synthase D1M
B	Unk-5 ATP_synthase D2M	Unk-5 ATP_synthase D2M	Unk-5 ATP_synthase D2M	Unk-6 ATP_synthase D3M	Unk-6 ATP_synthase D3M	Unk-6 ATP_synthase D3M	Unk-7 ATP_synthase D4M	Unk-7 ATP_synthase D4M	Unk-7 ATP_synthase D4M	Unk-8 ATP_synthase D5M	Unk-8 ATP_synthase D5M	Unk-8 ATP_synthase D5M
C	Unk-9 ATP_synthase A1T	Unk-9 ATP_synthase A1T	Unk-9 ATP_synthase A1T	Unk-10 ATP_synthase A2T	Unk-10 ATP_synthase A2T	Unk-10 ATP_synthase A2T	Unk-11 ATP_synthase A3T	Unk-11 ATP_synthase A3T	Unk-11 ATP_synthase A3T	Unk-12 ATP_synthase A4T	Unk-12 ATP_synthase A4T	Unk-12 ATP_synthase A4T

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 ATP_synthase A5T	Unk-13 ATP_synthase A5T	Unk-13 ATP_synthase A5T	Unk-14 ATP_synthase B1T	Unk-14 ATP_synthase B1T	Unk-14 ATP_synthase B1T	Unk-15 ATP_synthase B2T	Unk-15 ATP_synthase B2T	Unk-15 ATP_synthase B2T	Unk-16 ATP_synthase B3T	Unk-16 ATP_synthase B3T	Unk-16 ATP_synthase B3T
E	Unk-17 ATP_synthase B4T	Unk-17 ATP_synthase B4T	Unk-17 ATP_synthase B4T	Unk-18 ATP_synthase B5T	Unk-18 ATP_synthase B5T	Unk-18 ATP_synthase B5T	Unk-19 ATP_synthase C1T	Unk-19 ATP_synthase C1T	Unk-19 ATP_synthase C1T	Unk-20 ATP_synthase C2T	Unk-20 ATP_synthase C2T	Unk-20 ATP_synthase C2T
F	Unk-21 ATP_synthase C3T	Unk-21 ATP_synthase C3T	Unk-21 ATP_synthase C3T	Unk-22 ATP_synthase C4T	Unk-22 ATP_synthase C4T	Unk-22 ATP_synthase C4T	Unk-23 ATP_synthase C5T	Unk-23 ATP_synthase C5T	Unk-23 ATP_synthase C5T	Unk-24 ATP_synthase D1T	Unk-24 ATP_synthase D1T	Unk-24 ATP_synthase D1T
G	Unk-25 ATP_synthase D2T	Unk-25 ATP_synthase D2T	Unk-25 ATP_synthase D2T	Unk-26 ATP_synthase D3T	Unk-26 ATP_synthase D3T	Unk-26 ATP_synthase D3T	Unk-27 ATP_synthase D4T	Unk-27 ATP_synthase D4T	Unk-27 ATP_synthase D4T	Unk-28 ATP_synthase D5T	Unk-28 ATP_synthase D5T	Unk-28 ATP_synthase D5T
H	Unk-29 ATP_synthase C1PC	Unk-29 ATP_synthase C1PC	Unk-29 ATP_synthase C1PC	Unk-30 ATP_synthase C2PC	Unk-30 ATP_synthase C2PC	Unk-30 ATP_synthase C2PC	Unk-31 ATP_synthase C3PC	Unk-31 ATP_synthase C3PC	Unk-31 ATP_synthase C3PC	Unk-32 ATP_synthase D1PC	Unk-32 ATP_synthase D1PC	Unk-32 ATP_synthase D1PC

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 1868.31, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	ATP_synthase	Unkn-01	C3M	24.14	24.30	0.293
A02	SYBR	ATP_synthase	Unkn-01	C3M	24.64	24.30	0.293
A03	SYBR	ATP_synthase	Unkn-01	C3M	24.13	24.30	0.293

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	ATP_synthase	Unkn-02	C4M	24.54	24.48	0.082
A05	SYBR	ATP_synthase	Unkn-02	C4M	24.39	24.48	0.082
A06	SYBR	ATP_synthase	Unkn-02	C4M	24.51	24.48	0.082
A07	SYBR	ATP_synthase	Unkn-03	C5M	24.58	24.58	0.112
A08	SYBR	ATP_synthase	Unkn-03	C5M	24.46	24.58	0.112
A09	SYBR	ATP_synthase	Unkn-03	C5M	24.69	24.58	0.112
A10	SYBR	ATP_synthase	Unkn-04	D1M	24.31	24.28	0.059
A11	SYBR	ATP_synthase	Unkn-04	D1M	24.21	24.28	0.059
A12	SYBR	ATP_synthase	Unkn-04	D1M	24.32	24.28	0.059
B01	SYBR	ATP_synthase	Unkn-05	D2M	23.34	23.46	0.270
B02	SYBR	ATP_synthase	Unkn-05	D2M	23.77	23.46	0.270
B03	SYBR	ATP_synthase	Unkn-05	D2M	23.27	23.46	0.270
B04	SYBR	ATP_synthase	Unkn-06	D3M	23.56	23.61	0.055
B05	SYBR	ATP_synthase	Unkn-06	D3M	23.67	23.61	0.055
B06	SYBR	ATP_synthase	Unkn-06	D3M	23.60	23.61	0.055
B07	SYBR	ATP_synthase	Unkn-07	D4M	24.07	24.18	0.096
B08	SYBR	ATP_synthase	Unkn-07	D4M	24.22	24.18	0.096
B09	SYBR	ATP_synthase	Unkn-07	D4M	24.25	24.18	0.096
B10	SYBR	ATP_synthase	Unkn-08	D5M	25.06	24.98	0.116
B11	SYBR	ATP_synthase	Unkn-08	D5M	24.85	24.98	0.116
B12	SYBR	ATP_synthase	Unkn-08	D5M	25.03	24.98	0.116
C01	SYBR	ATP_synthase	Unkn-09	A1T	23.19	23.17	0.045
C02	SYBR	ATP_synthase	Unkn-09	A1T	23.12	23.17	0.045
C03	SYBR	ATP_synthase	Unkn-09	A1T	23.21	23.17	0.045
C04	SYBR	ATP_synthase	Unkn-10	A2T	23.61	23.73	0.108
C05	SYBR	ATP_synthase	Unkn-10	A2T	23.74	23.73	0.108
C06	SYBR	ATP_synthase	Unkn-10	A2T	23.83	23.73	0.108
C07	SYBR	ATP_synthase	Unkn-11	A3T	23.76	23.84	0.075
C08	SYBR	ATP_synthase	Unkn-11	A3T	23.91	23.84	0.075
C09	SYBR	ATP_synthase	Unkn-11	A3T	23.84	23.84	0.075
C10	SYBR	ATP_synthase	Unkn-12	A4T	24.12	24.01	0.112
C11	SYBR	ATP_synthase	Unkn-12	A4T	23.89	24.01	0.112
C12	SYBR	ATP_synthase	Unkn-12	A4T	24.03	24.01	0.112
D01	SYBR	ATP_synthase	Unkn-13	A5T	24.12	24.27	0.266
D02	SYBR	ATP_synthase	Unkn-13	A5T	24.11	24.27	0.266
D03	SYBR	ATP_synthase	Unkn-13	A5T	24.58	24.27	0.266
D04	SYBR	ATP_synthase	Unkn-14	B1T	24.71	24.43	0.263
D05	SYBR	ATP_synthase	Unkn-14	B1T	24.19	24.43	0.263
D06	SYBR	ATP_synthase	Unkn-14	B1T	24.41	24.43	0.263
D07	SYBR	ATP_synthase	Unkn-15	B2T	24.17	24.11	0.091
D08	SYBR	ATP_synthase	Unkn-15	B2T	24.01	24.11	0.091
D09	SYBR	ATP_synthase	Unkn-15	B2T	24.17	24.11	0.091
D10	SYBR	ATP_synthase	Unkn-16	B3T	23.45	23.57	0.146
D11	SYBR	ATP_synthase	Unkn-16	B3T	23.52	23.57	0.146
D12	SYBR	ATP_synthase	Unkn-16	B3T	23.73	23.57	0.146
E01	SYBR	ATP_synthase	Unkn-17	B4T	23.80	23.37	0.390
E02	SYBR	ATP_synthase	Unkn-17	B4T	23.04	23.37	0.390
E03	SYBR	ATP_synthase	Unkn-17	B4T	23.27	23.37	0.390
E04	SYBR	ATP_synthase	Unkn-18	B5T	24.16	24.16	0.032

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	ATP_synthase	Unkn-18	B5T	24.20	24.16	0.032
E06	SYBR	ATP_synthase	Unkn-18	B5T	24.14	24.16	0.032
E07	SYBR	ATP_synthase	Unkn-19	C1T	23.17	23.17	0.071
E08	SYBR	ATP_synthase	Unkn-19	C1T	23.09	23.17	0.071
E09	SYBR	ATP_synthase	Unkn-19	C1T	23.24	23.17	0.071
E10	SYBR	ATP_synthase	Unkn-20	C2T	23.41	23.55	0.250
E11	SYBR	ATP_synthase	Unkn-20	C2T	23.40	23.55	0.250
E12	SYBR	ATP_synthase	Unkn-20	C2T	23.84	23.55	0.250
F01	SYBR	ATP_synthase	Unkn-21	C3T	23.10	23.17	0.165
F02	SYBR	ATP_synthase	Unkn-21	C3T	23.05	23.17	0.165
F03	SYBR	ATP_synthase	Unkn-21	C3T	23.35	23.17	0.165
F04	SYBR	ATP_synthase	Unkn-22	C4T	23.30	23.38	0.088
F05	SYBR	ATP_synthase	Unkn-22	C4T	23.36	23.38	0.088
F06	SYBR	ATP_synthase	Unkn-22	C4T	23.47	23.38	0.088
F07	SYBR	ATP_synthase	Unkn-23	C5T	23.95	23.99	0.076
F08	SYBR	ATP_synthase	Unkn-23	C5T	23.95	23.99	0.076
F09	SYBR	ATP_synthase	Unkn-23	C5T	24.08	23.99	0.076
F10	SYBR	ATP_synthase	Unkn-24	D1T	23.57	23.57	0.126
F11	SYBR	ATP_synthase	Unkn-24	D1T	23.44	23.57	0.126
F12	SYBR	ATP_synthase	Unkn-24	D1T	23.69	23.57	0.126
G01	SYBR	ATP_synthase	Unkn-25	D2T	24.28	24.57	0.344
G02	SYBR	ATP_synthase	Unkn-25	D2T	24.95	24.57	0.344
G03	SYBR	ATP_synthase	Unkn-25	D2T	24.49	24.57	0.344
G04	SYBR	ATP_synthase	Unkn-26	D3T	23.64	23.78	0.154
G05	SYBR	ATP_synthase	Unkn-26	D3T	23.77	23.78	0.154
G06	SYBR	ATP_synthase	Unkn-26	D3T	23.94	23.78	0.154
G07	SYBR	ATP_synthase	Unkn-27	D4T	23.71	23.72	0.097
G08	SYBR	ATP_synthase	Unkn-27	D4T	23.82	23.72	0.097
G09	SYBR	ATP_synthase	Unkn-27	D4T	23.63	23.72	0.097
G10	SYBR	ATP_synthase	Unkn-28	D5T	23.76	23.64	0.115
G11	SYBR	ATP_synthase	Unkn-28	D5T	23.64	23.64	0.115
G12	SYBR	ATP_synthase	Unkn-28	D5T	23.53	23.64	0.115
H01	SYBR	ATP_synthase	Unkn-29	C1PC	23.69	23.64	0.052
H02	SYBR	ATP_synthase	Unkn-29	C1PC	23.64	23.64	0.052
H03	SYBR	ATP_synthase	Unkn-29	C1PC	23.58	23.64	0.052
H04	SYBR	ATP_synthase	Unkn-30	C2PC	23.98	23.89	0.149
H05	SYBR	ATP_synthase	Unkn-30	C2PC	23.97	23.89	0.149
H06	SYBR	ATP_synthase	Unkn-30	C2PC	23.72	23.89	0.149
H07	SYBR	ATP_synthase	Unkn-31	C3PC	24.15	23.50	0.569
H08	SYBR	ATP_synthase	Unkn-31	C3PC	23.19	23.50	0.569
H09	SYBR	ATP_synthase	Unkn-31	C3PC	23.14	23.50	0.569
H10	SYBR	ATP_synthase	Unkn-32	D1PC	24.19	24.27	0.160
H11	SYBR	ATP_synthase	Unkn-32	D1PC	24.17	24.27	0.160
H12	SYBR	ATP_synthase	Unkn-32	D1PC	24.46	24.27	0.160

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:H7, H8, H9.	False	