sam_2025-06-09_12-34-43_Connect-DNMT1.pcrd

06/12/2025 09:58

Report Information

User: BioRad/sam
Data File Name: sam_2025-06-09_12-34-43_Connect-DNMT1.pcrd
Data File Path: C:\Users\Samb\Downloads\qPCR-20250609
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 06/09/2025 12:34
Run User: sam
Run Type: User-defined
Plate File: cgig-02-DNMT1-cfx-plate.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

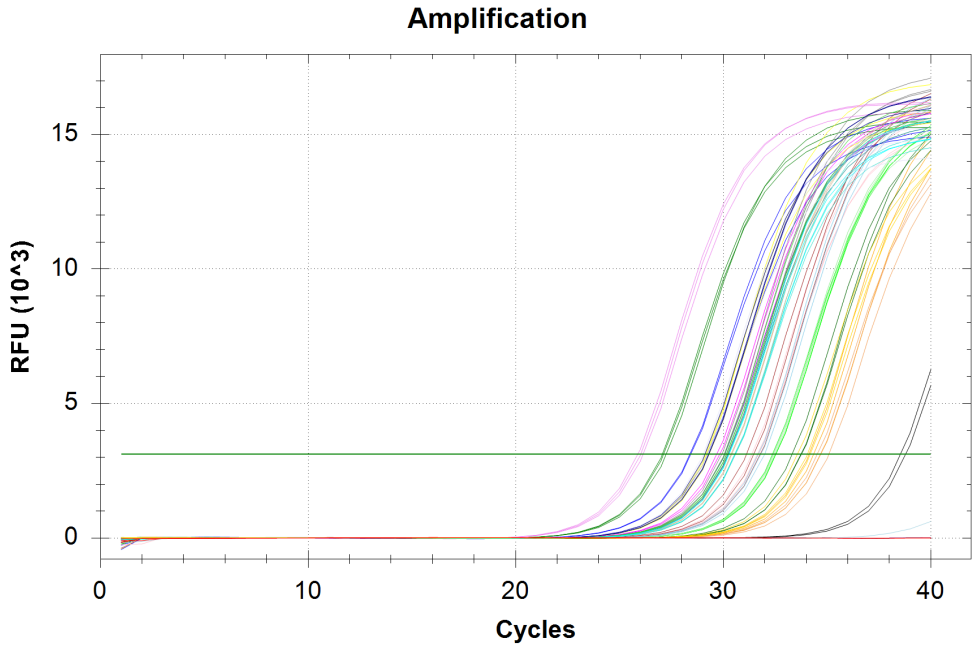
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 DNMT1 12	Unk-1 DNMT1 12	Unk-1 DNMT1 12	Unk-2 DNMT1 14	Unk-2 DNMT1 14	Unk-2 DNMT1 14	Unk-3 DNMT1 15	Unk-3 DNMT1 15	Unk-3 DNMT1 15	Unk-4 DNMT1 18	Unk-4 DNMT1 18	Unk-4 DNMT1 18
B	Unk-5 DNMT1 19	Unk-5 DNMT1 19	Unk-5 DNMT1 19	Unk-6 DNMT1 24	Unk-6 DNMT1 24	Unk-6 DNMT1 24	Unk-7 DNMT1 25	Unk-7 DNMT1 25	Unk-7 DNMT1 25	Unk-8 DNMT1 29	Unk-8 DNMT1 29	Unk-8 DNMT1 29
C	Unk-9 DNMT1 39	Unk-9 DNMT1 39	Unk-9 DNMT1 39	Unk-10 DNMT1 40	Unk-10 DNMT1 40	Unk-10 DNMT1 40	Unk-11 DNMT1 43	Unk-11 DNMT1 43	Unk-11 DNMT1 43	Unk-12 DNMT1 49	Unk-12 DNMT1 49	Unk-12 DNMT1 49
D	Unk-13 DNMT1 53	Unk-13 DNMT1 53	Unk-13 DNMT1 53	Unk-14 DNMT1 59	Unk-14 DNMT1 59	Unk-14 DNMT1 59	Unk-15 DNMT1 60	Unk-15 DNMT1 60	Unk-15 DNMT1 60	Unk-16 DNMT1 62	Unk-16 DNMT1 62	Unk-16 DNMT1 62
E	Unk-17 DNMT1 63	Unk-17 DNMT1 63	Unk-17 DNMT1 63	Unk-18 DNMT1 66	Unk-18 DNMT1 66	Unk-18 DNMT1 66	Unk-19 DNMT1 69	Unk-19 DNMT1 69	Unk-19 DNMT1 69	Unk-20 DNMT1 71	Unk-20 DNMT1 71	Unk-20 DNMT1 71

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Unk-21 DNMT1 73	Unk-21 DNMT1 73	Unk-21 DNMT1 73	Unk-22 DNMT1 75	Unk-22 DNMT1 75	Unk-22 DNMT1 75	Unk-23 DNMT1 79	Unk-23 DNMT1 79	Unk-23 DNMT1 79	Unk-24 DNMT1 81	Unk-24 DNMT1 81	Unk-24 DNMT1 81
G	Unk-25 DNMT1 89	Unk-25 DNMT1 89	Unk-25 DNMT1 89	NTC-1 DNMT1	NTC-1 DNMT1	NTC-1 DNMT1						
H												

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3111.72, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	DNMT1	Unkn-01	12	32.37	32.48	0.094
A02	SYBR	DNMT1	Unkn-01	12	32.53	32.48	0.094
A03	SYBR	DNMT1	Unkn-01	12	32.53	32.48	0.094
A04	SYBR	DNMT1	Unkn-02	14	N/A	0.00	0.000
A05	SYBR	DNMT1	Unkn-02	14	N/A	0.00	0.000
A06	SYBR	DNMT1	Unkn-02	14	N/A	0.00	0.000
A07	SYBR	DNMT1	Unkn-03	15	27.12	27.14	0.092
A08	SYBR	DNMT1	Unkn-03	15	27.07	27.14	0.092
A09	SYBR	DNMT1	Unkn-03	15	27.24	27.14	0.092
A10	SYBR	DNMT1	Unkn-04	18	29.23	28.68	0.472
A11	SYBR	DNMT1	Unkn-04	18	28.39	28.68	0.472

Quantification Data

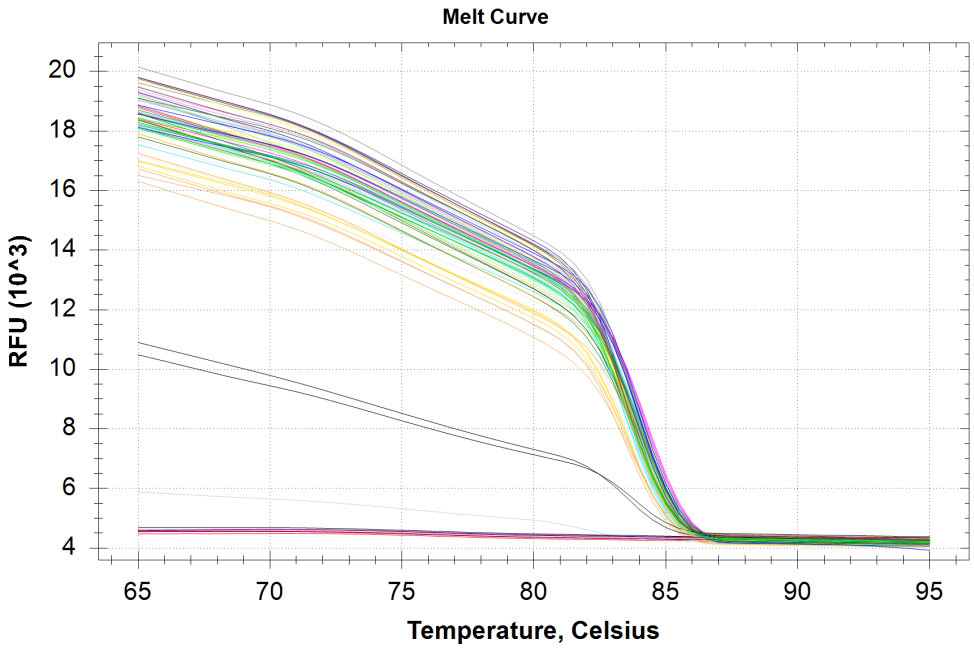
Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A12	SYBR	DNMT1	Unkn-04	18	28.43	28.68	0.472
B01	SYBR	DNMT1	Unkn-05	19	31.64	31.57	0.174
B02	SYBR	DNMT1	Unkn-05	19	31.70	31.57	0.174
B03	SYBR	DNMT1	Unkn-05	19	31.37	31.57	0.174
B04	SYBR	DNMT1	Unkn-06	24	31.11	31.45	0.332
B05	SYBR	DNMT1	Unkn-06	24	31.78	31.45	0.332
B06	SYBR	DNMT1	Unkn-06	24	31.46	31.45	0.332
B07	SYBR	DNMT1	Unkn-07	25	N/A	0.00	0.000
B08	SYBR	DNMT1	Unkn-07	25	38.78	38.66	0.177
B09	SYBR	DNMT1	Unkn-07	25	38.53	38.66	0.177
B10	SYBR	DNMT1	Unkn-08	29	N/A	0.00	0.000
B11	SYBR	DNMT1	Unkn-08	29	N/A	0.00	0.000
B12	SYBR	DNMT1	Unkn-08	29	N/A	0.00	0.000
C01	SYBR	DNMT1	Unkn-09	39	30.24	30.17	0.085
C02	SYBR	DNMT1	Unkn-09	39	30.08	30.17	0.085
C03	SYBR	DNMT1	Unkn-09	39	30.21	30.17	0.085
C04	SYBR	DNMT1	Unkn-10	40	34.13	34.39	0.282
C05	SYBR	DNMT1	Unkn-10	40	34.35	34.39	0.282
C06	SYBR	DNMT1	Unkn-10	40	34.69	34.39	0.282
C07	SYBR	DNMT1	Unkn-11	43	32.48	32.43	0.048
C08	SYBR	DNMT1	Unkn-11	43	32.42	32.43	0.048
C09	SYBR	DNMT1	Unkn-11	43	32.39	32.43	0.048
C10	SYBR	DNMT1	Unkn-12	49	29.68	29.86	0.194
C11	SYBR	DNMT1	Unkn-12	49	29.83	29.86	0.194
C12	SYBR	DNMT1	Unkn-12	49	30.06	29.86	0.194
D01	SYBR	DNMT1	Unkn-13	53	29.32	29.22	0.085
D02	SYBR	DNMT1	Unkn-13	53	29.15	29.22	0.085
D03	SYBR	DNMT1	Unkn-13	53	29.20	29.22	0.085
D04	SYBR	DNMT1	Unkn-14	59	31.81	31.83	0.160
D05	SYBR	DNMT1	Unkn-14	59	31.68	31.83	0.160
D06	SYBR	DNMT1	Unkn-14	59	31.99	31.83	0.160
D07	SYBR	DNMT1	Unkn-15	60	30.21	30.06	0.146
D08	SYBR	DNMT1	Unkn-15	60	30.05	30.06	0.146
D09	SYBR	DNMT1	Unkn-15	60	29.92	30.06	0.146
D10	SYBR	DNMT1	Unkn-16	62	30.06	30.12	0.052
D11	SYBR	DNMT1	Unkn-16	62	30.15	30.12	0.052
D12	SYBR	DNMT1	Unkn-16	62	30.14	30.12	0.052
E01	SYBR	DNMT1	Unkn-17	63	34.52	34.76	0.291
E02	SYBR	DNMT1	Unkn-17	63	34.68	34.76	0.291
E03	SYBR	DNMT1	Unkn-17	63	35.09	34.76	0.291
E04	SYBR	DNMT1	Unkn-18	66	25.88	26.01	0.128
E05	SYBR	DNMT1	Unkn-18	66	26.02	26.01	0.128
E06	SYBR	DNMT1	Unkn-18	66	26.13	26.01	0.128
E07	SYBR	DNMT1	Unkn-19	69	33.31	33.60	0.253
E08	SYBR	DNMT1	Unkn-19	69	33.76	33.60	0.253
E09	SYBR	DNMT1	Unkn-19	69	33.74	33.60	0.253
E10	SYBR	DNMT1	Unkn-20	71	30.55	30.56	0.016
E11	SYBR	DNMT1	Unkn-20	71	30.55	30.56	0.016
E12	SYBR	DNMT1	Unkn-20	71	30.58	30.56	0.016

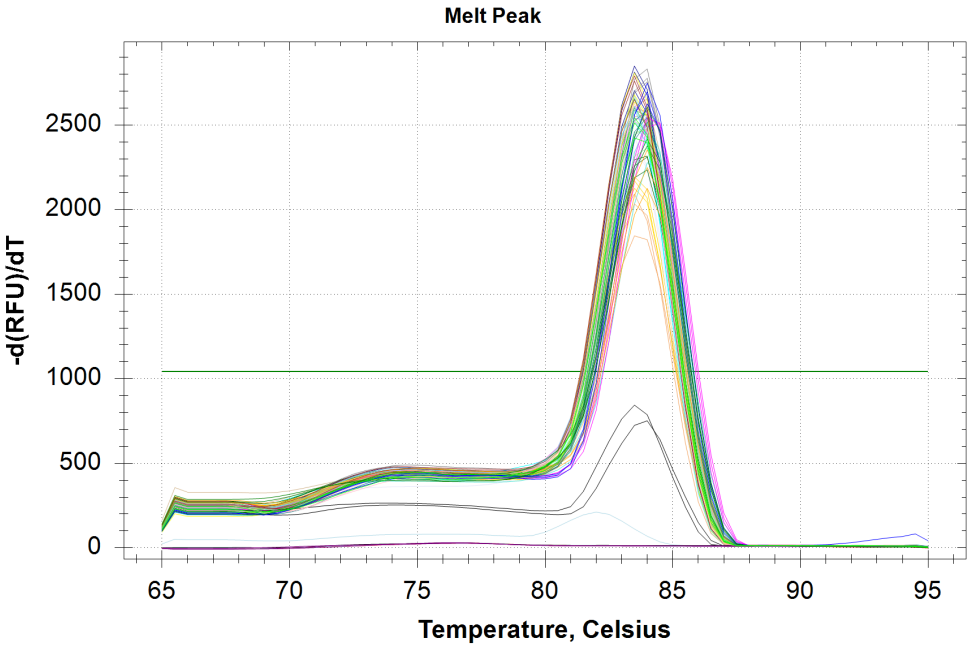
Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F01	SYBR	DNMT1	Unkn-21	73	29.23	29.12	0.098
F02	SYBR	DNMT1	Unkn-21	73	29.04	29.12	0.098
F03	SYBR	DNMT1	Unkn-21	73	29.10	29.12	0.098
F04	SYBR	DNMT1	Unkn-22	75	29.31	29.24	0.104
F05	SYBR	DNMT1	Unkn-22	75	29.28	29.24	0.104
F06	SYBR	DNMT1	Unkn-22	75	29.12	29.24	0.104
F07	SYBR	DNMT1	Unkn-23	79	30.37	30.46	0.115
F08	SYBR	DNMT1	Unkn-23	79	30.41	30.46	0.115
F09	SYBR	DNMT1	Unkn-23	79	30.59	30.46	0.115
F10	SYBR	DNMT1	Unkn-24	81	30.26	30.37	0.179
F11	SYBR	DNMT1	Unkn-24	81	30.58	30.37	0.179
F12	SYBR	DNMT1	Unkn-24	81	30.28	30.37	0.179
G01	SYBR	DNMT1	Unkn-25	89	33.57	33.93	0.324
G02	SYBR	DNMT1	Unkn-25	89	34.05	33.93	0.324
G03	SYBR	DNMT1	Unkn-25	89	34.18	33.93	0.324
G04	SYBR	DNMT1	NTC-01		N/A	0.00	0.000
G05	SYBR	DNMT1	NTC-01		N/A	0.00	0.000
G06	SYBR	DNMT1	NTC-01		N/A	0.00	0.000

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	DNMT1	Unkn-01	12	83.50
A02	SYBR	DNMT1	Unkn-01	12	83.50
A03	SYBR	DNMT1	Unkn-01	12	83.50
A04	SYBR	DNMT1	Unkn-02	14	None
A05	SYBR	DNMT1	Unkn-02	14	None
A06	SYBR	DNMT1	Unkn-02	14	None
A07	SYBR	DNMT1	Unkn-03	15	84.00
A08	SYBR	DNMT1	Unkn-03	15	84.00
A09	SYBR	DNMT1	Unkn-03	15	84.00
A10	SYBR	DNMT1	Unkn-04	18	84.00
A11	SYBR	DNMT1	Unkn-04	18	84.00
A12	SYBR	DNMT1	Unkn-04	18	84.00
B01	SYBR	DNMT1	Unkn-05	19	83.50
B02	SYBR	DNMT1	Unkn-05	19	83.50
B03	SYBR	DNMT1	Unkn-05	19	83.50
B04	SYBR	DNMT1	Unkn-06	24	83.50
B05	SYBR	DNMT1	Unkn-06	24	83.50
B06	SYBR	DNMT1	Unkn-06	24	83.50
B07	SYBR	DNMT1	Unkn-07	25	None
B08	SYBR	DNMT1	Unkn-07	25	None
B09	SYBR	DNMT1	Unkn-07	25	None
B10	SYBR	DNMT1	Unkn-08	29	None
B11	SYBR	DNMT1	Unkn-08	29	None
B12	SYBR	DNMT1	Unkn-08	29	None
C01	SYBR	DNMT1	Unkn-09	39	84.00
C02	SYBR	DNMT1	Unkn-09	39	84.00
C03	SYBR	DNMT1	Unkn-09	39	84.00
C04	SYBR	DNMT1	Unkn-10	40	84.00
C05	SYBR	DNMT1	Unkn-10	40	84.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
C06	SYBR	DNMT1	Unkn-10	40	84.00
C07	SYBR	DNMT1	Unkn-11	43	84.00
C08	SYBR	DNMT1	Unkn-11	43	84.00
C09	SYBR	DNMT1	Unkn-11	43	84.00
C10	SYBR	DNMT1	Unkn-12	49	84.00
C11	SYBR	DNMT1	Unkn-12	49	84.00
C12	SYBR	DNMT1	Unkn-12	49	84.50
D01	SYBR	DNMT1	Unkn-13	53	83.50
D02	SYBR	DNMT1	Unkn-13	53	83.50
D03	SYBR	DNMT1	Unkn-13	53	83.50
D04	SYBR	DNMT1	Unkn-14	59	83.50
D05	SYBR	DNMT1	Unkn-14	59	83.50
D06	SYBR	DNMT1	Unkn-14	59	83.50
D07	SYBR	DNMT1	Unkn-15	60	84.00
D08	SYBR	DNMT1	Unkn-15	60	84.00
D09	SYBR	DNMT1	Unkn-15	60	84.00
D10	SYBR	DNMT1	Unkn-16	62	83.50
D11	SYBR	DNMT1	Unkn-16	62	83.50
D12	SYBR	DNMT1	Unkn-16	62	83.50
E01	SYBR	DNMT1	Unkn-17	63	83.50
E02	SYBR	DNMT1	Unkn-17	63	83.50
E03	SYBR	DNMT1	Unkn-17	63	83.50
E04	SYBR	DNMT1	Unkn-18	66	83.50
E05	SYBR	DNMT1	Unkn-18	66	83.50
E06	SYBR	DNMT1	Unkn-18	66	83.50
E07	SYBR	DNMT1	Unkn-19	69	84.00
E08	SYBR	DNMT1	Unkn-19	69	84.00
E09	SYBR	DNMT1	Unkn-19	69	84.00
E10	SYBR	DNMT1	Unkn-20	71	84.00
E11	SYBR	DNMT1	Unkn-20	71	84.00
E12	SYBR	DNMT1	Unkn-20	71	84.00
F01	SYBR	DNMT1	Unkn-21	73	83.50
F02	SYBR	DNMT1	Unkn-21	73	83.50
F03	SYBR	DNMT1	Unkn-21	73	83.50
F04	SYBR	DNMT1	Unkn-22	75	83.50
F05	SYBR	DNMT1	Unkn-22	75	83.50
F06	SYBR	DNMT1	Unkn-22	75	83.50
F07	SYBR	DNMT1	Unkn-23	79	84.00
F08	SYBR	DNMT1	Unkn-23	79	84.00
F09	SYBR	DNMT1	Unkn-23	79	84.00
F10	SYBR	DNMT1	Unkn-24	81	83.50
F11	SYBR	DNMT1	Unkn-24	81	83.50
F12	SYBR	DNMT1	Unkn-24	81	83.50
G01	SYBR	DNMT1	Unkn-25	89	83.50
G02	SYBR	DNMT1	Unkn-25	89	83.50
G03	SYBR	DNMT1	Unkn-25	89	83.50
G04	SYBR	DNMT1	NTC-01		None
G05	SYBR	DNMT1	NTC-01		None
G06	SYBR	DNMT1	NTC-01		None

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:A4, A5, A6, B7, B10, B11, B12.	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	0.20	True	SYBR:A10, A11, A12, B4, B5, B6, C4, C5, C6, E1, E2, E3, E7, E8, E9, G1, G2, G3.	False	