sam_2025-06-03_16-25-01_Connect-VIPERIN.pcrd

06/05/2025 14:56

Report Information

User: BioRad/sam
Data File Name: sam_2025-06-03_16-25-01_Connect-VIPERIN.pcrd
Data File Path: C:\Users\Samb\Downloads\qPCR-20250603
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 06/03/2025 16:25
Run User: sam
Run Type: User-defined
Plate File: cgig-02-VIPERIN-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

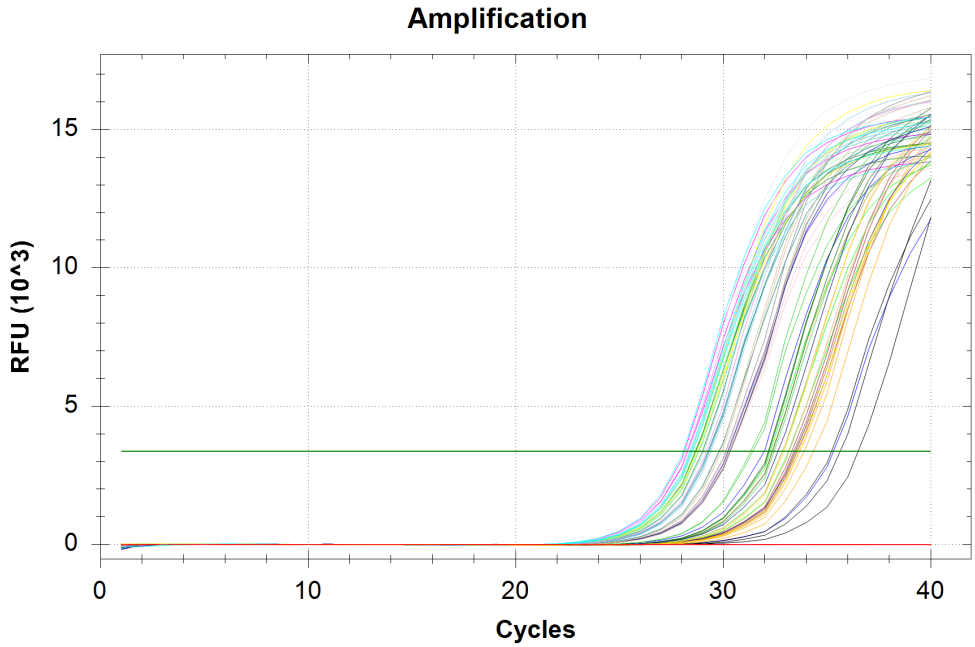
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 VIPERIN 12	Unk-1 VIPERIN 12	Unk-1 VIPERIN 12	Unk-2 VIPERIN 14	Unk-2 VIPERIN 14	Unk-2 VIPERIN 14	Unk-3 VIPERIN 15	Unk-3 VIPERIN 15	Unk-3 VIPERIN 15	Unk-4 VIPERIN 18	Unk-4 VIPERIN 18	Unk-4 VIPERIN 18
B	Unk-5 VIPERIN 19	Unk-5 VIPERIN 19	Unk-5 VIPERIN 19	Unk-6 VIPERIN 24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

Plate Display

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

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3367.23, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	VIPERIN	Unkn-01	12	33.14	32.75	0.444
A02	SYBR	VIPERIN	Unkn-01	12	32.27	32.75	0.444
A03	SYBR	VIPERIN	Unkn-01	12	32.84	32.75	0.444
A04	SYBR	VIPERIN	Unkn-02	14	N/A	0.00	0.000
A05	SYBR	VIPERIN	Unkn-02	14	N/A	0.00	0.000
A06	SYBR	VIPERIN	Unkn-02	14	N/A	0.00	0.000
A07	SYBR	VIPERIN	Unkn-03	15	28.66	28.78	0.195
A08	SYBR	VIPERIN	Unkn-03	15	29.00	28.78	0.195
A09	SYBR	VIPERIN	Unkn-03	15	28.66	28.78	0.195
A10	SYBR	VIPERIN	Unkn-04	18	30.22	32.50	2.581
A11	SYBR	VIPERIN	Unkn-04	18	31.98	32.50	2.581

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A12	SYBR	VIPERIN	Unkn-04	18	35.31	32.50	2.581
B01	SYBR	VIPERIN	Unkn-05	19	30.35	30.27	0.097
B02	SYBR	VIPERIN	Unkn-05	19	30.29	30.27	0.097
B03	SYBR	VIPERIN	Unkn-05	19	30.16	30.27	0.097
B04	SYBR	VIPERIN	Unkn-06	24	33.56	33.42	0.129
B05	SYBR	VIPERIN	Unkn-06	24	33.30	33.42	0.129
B06	SYBR	VIPERIN	Unkn-06	24	33.40	33.42	0.129
B07	SYBR	VIPERIN	Unkn-07	25	36.49	35.78	0.654
B08	SYBR	VIPERIN	Unkn-07	25	35.63	35.78	0.654
B09	SYBR	VIPERIN	Unkn-07	25	35.21	35.78	0.654
B10	SYBR	VIPERIN	Unkn-08	29	N/A	0.00	0.000
B11	SYBR	VIPERIN	Unkn-08	29	N/A	0.00	0.000
B12	SYBR	VIPERIN	Unkn-08	29	N/A	0.00	0.000
C01	SYBR	VIPERIN	Unkn-09	39	29.27	29.46	0.289
C02	SYBR	VIPERIN	Unkn-09	39	29.79	29.46	0.289
C03	SYBR	VIPERIN	Unkn-09	39	29.32	29.46	0.289
C04	SYBR	VIPERIN	Unkn-10	40	34.34	33.97	0.335
C05	SYBR	VIPERIN	Unkn-10	40	33.89	33.97	0.335
C06	SYBR	VIPERIN	Unkn-10	40	33.68	33.97	0.335
C07	SYBR	VIPERIN	Unkn-11	43	28.70	28.72	0.103
C08	SYBR	VIPERIN	Unkn-11	43	28.83	28.72	0.103
C09	SYBR	VIPERIN	Unkn-11	43	28.63	28.72	0.103
C10	SYBR	VIPERIN	Unkn-12	49	28.13	28.23	0.090
C11	SYBR	VIPERIN	Unkn-12	49	28.26	28.23	0.090
C12	SYBR	VIPERIN	Unkn-12	49	28.30	28.23	0.090
D01	SYBR	VIPERIN	Unkn-13	53	28.72	28.69	0.155
D02	SYBR	VIPERIN	Unkn-13	53	28.52	28.69	0.155
D03	SYBR	VIPERIN	Unkn-13	53	28.82	28.69	0.155
D04	SYBR	VIPERIN	Unkn-14	59	29.40	29.25	0.176
D05	SYBR	VIPERIN	Unkn-14	59	29.06	29.25	0.176
D06	SYBR	VIPERIN	Unkn-14	59	29.30	29.25	0.176
D07	SYBR	VIPERIN	Unkn-15	60	30.12	30.23	0.112
D08	SYBR	VIPERIN	Unkn-15	60	30.34	30.23	0.112
D09	SYBR	VIPERIN	Unkn-15	60	30.24	30.23	0.112
D10	SYBR	VIPERIN	Unkn-16	62	32.45	31.73	0.625
D11	SYBR	VIPERIN	Unkn-16	62	31.32	31.73	0.625
D12	SYBR	VIPERIN	Unkn-16	62	31.42	31.73	0.625
E01	SYBR	VIPERIN	Unkn-17	63	33.17	32.79	0.414
E02	SYBR	VIPERIN	Unkn-17	63	32.35	32.79	0.414
E03	SYBR	VIPERIN	Unkn-17	63	32.85	32.79	0.414
E04	SYBR	VIPERIN	Unkn-18	66	N/A	0.00	0.000
E05	SYBR	VIPERIN	Unkn-18	66	29.19	29.19	0.000
E06	SYBR	VIPERIN	Unkn-18	66	N/A	0.00	0.000
E07	SYBR	VIPERIN	Unkn-19	69	32.20	32.25	0.107
E08	SYBR	VIPERIN	Unkn-19	69	32.17	32.25	0.107
E09	SYBR	VIPERIN	Unkn-19	69	32.37	32.25	0.107
E10	SYBR	VIPERIN	Unkn-20	71	28.45	28.59	0.187
E11	SYBR	VIPERIN	Unkn-20	71	28.51	28.59	0.187
E12	SYBR	VIPERIN	Unkn-20	71	28.80	28.59	0.187

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
F01	SYBR	VIPERIN	Unkn-21	73	28.39	28.30	0.086
F02	SYBR	VIPERIN	Unkn-21	73	28.22	28.30	0.086
F03	SYBR	VIPERIN	Unkn-21	73	28.29	28.30	0.086
F04	SYBR	VIPERIN	Unkn-22	75	33.47	32.14	1.635
F05	SYBR	VIPERIN	Unkn-22	75	32.64	32.14	1.635
F06	SYBR	VIPERIN	Unkn-22	75	30.32	32.14	1.635
F07	SYBR	VIPERIN	Unkn-23	79	29.93	30.02	0.257
F08	SYBR	VIPERIN	Unkn-23	79	29.83	30.02	0.257
F09	SYBR	VIPERIN	Unkn-23	79	30.32	30.02	0.257
F10	SYBR	VIPERIN	Unkn-24	81	28.40	28.33	0.229
F11	SYBR	VIPERIN	Unkn-24	81	28.07	28.33	0.229
F12	SYBR	VIPERIN	Unkn-24	81	28.51	28.33	0.229
G01	SYBR	VIPERIN	Unkn-25	89	33.50	33.35	0.374
G02	SYBR	VIPERIN	Unkn-25	89	33.62	33.35	0.374
G03	SYBR	VIPERIN	Unkn-25	89	32.92	33.35	0.374
G04	SYBR	VIPERIN	NTC-01		N/A	0.00	0.000
G05	SYBR	VIPERIN	NTC-01		N/A	0.00	0.000
G06	SYBR	VIPERIN	NTC-01		N/A	0.00	0.000

Bar Chart

Normalized expression analysis is not possible, either because no target is assigned as a reference or the selected target(s) is not a

Target Names

Name	Full Name	Reference	Auto Efficiency	Efficiency
VIPERIN	VIPERIN	False	Yes	100.0%

Sample Names

Name	Full Name	Control
12	12	No
15	15	No
18	18	No
19	19	No
24	24	No
25	25	No
39	39	No
40	40	No
43	43	No
49	49	No
53	53	No
59	59	No
60	60	No
62	62	No
63	63	No
66	66	No

Sample Names

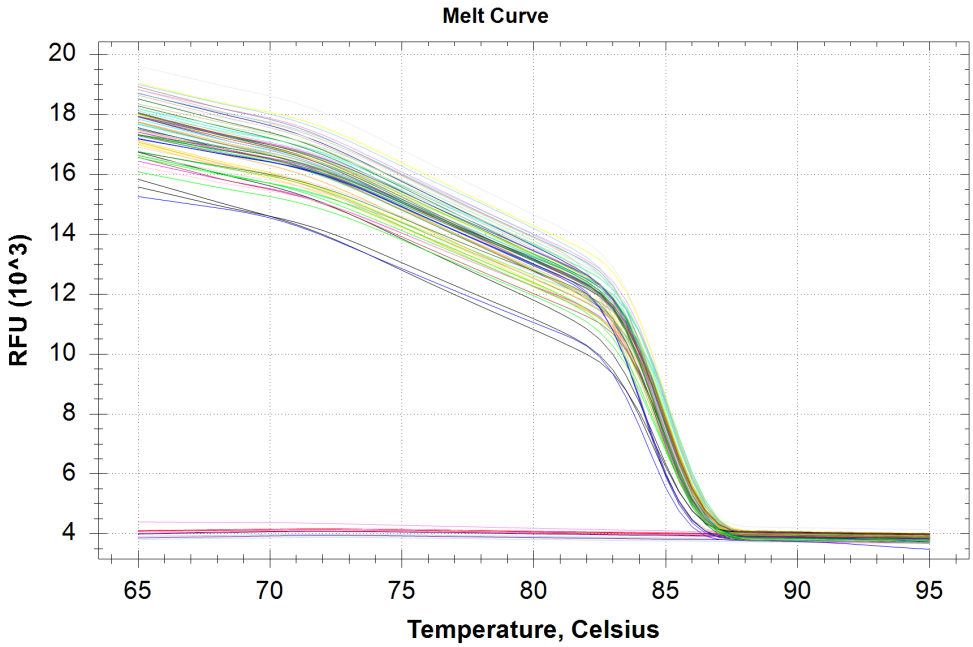
Name	Full Name	Control
69	69	No
71	71	No
73	73	No
75	75	No
79	79	No
81	81	No
89	89	No

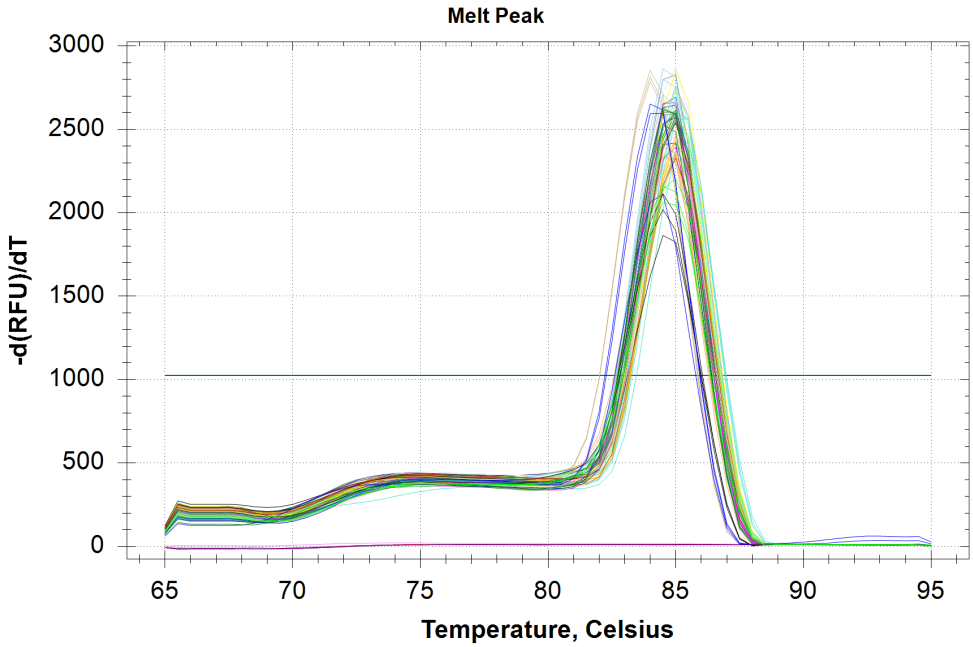
Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
VIPERIN	12		N/A	N/A	N/A	32.75	0.25661	N/A
VIPERIN	14		N/A	N/A	N/A	N/A	N/A	N/A
VIPERIN	15		N/A	N/A	N/A	28.78	0.11259	N/A
VIPERIN	18		N/A	N/A	N/A	32.50	1.49034	N/A
VIPERIN	19		N/A	N/A	N/A	30.27	0.05608	N/A
VIPERIN	24		N/A	N/A	N/A	33.42	0.07433	N/A
VIPERIN	25		N/A	N/A	N/A	35.78	0.37762	N/A
VIPERIN	29		N/A	N/A	N/A	N/A	N/A	N/A
VIPERIN	39		N/A	N/A	N/A	29.46	0.16693	N/A
VIPERIN	40		N/A	N/A	N/A	33.97	0.19342	N/A
VIPERIN	43		N/A	N/A	N/A	28.72	0.05943	N/A
VIPERIN	49		N/A	N/A	N/A	28.23	0.05212	N/A
VIPERIN	53		N/A	N/A	N/A	28.69	0.08942	N/A
VIPERIN	59		N/A	N/A	N/A	29.25	0.10141	N/A
VIPERIN	60		N/A	N/A	N/A	30.23	0.06475	N/A
VIPERIN	62		N/A	N/A	N/A	31.73	0.36083	N/A
VIPERIN	63		N/A	N/A	N/A	32.79	0.23913	N/A
VIPERIN	66		N/A	N/A	N/A	29.19	0.00000	N/A
VIPERIN	69		N/A	N/A	N/A	32.25	0.06198	N/A
VIPERIN	71		N/A	N/A	N/A	28.59	0.10821	N/A
VIPERIN	73		N/A	N/A	N/A	28.30	0.04952	N/A
VIPERIN	75		N/A	N/A	N/A	32.14	0.94379	N/A
VIPERIN	79		N/A	N/A	N/A	30.02	0.14838	N/A
VIPERIN	81		N/A	N/A	N/A	28.33	0.13196	N/A
VIPERIN	89		N/A	N/A	N/A	33.35	0.21579	N/A

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	VIPERIN	Unkn-01	12	84.50
A02	SYBR	VIPERIN	Unkn-01	12	85.00
A03	SYBR	VIPERIN	Unkn-01	12	84.50
A04	SYBR	VIPERIN	Unkn-02	14	None
A05	SYBR	VIPERIN	Unkn-02	14	None
A06	SYBR	VIPERIN	Unkn-02	14	None
A07	SYBR	VIPERIN	Unkn-03	15	84.50
A08	SYBR	VIPERIN	Unkn-03	15	84.50
A09	SYBR	VIPERIN	Unkn-03	15	84.50

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A10	SYBR	VIPERIN	Unkn-04	18	84.00
A11	SYBR	VIPERIN	Unkn-04	18	84.50
A12	SYBR	VIPERIN	Unkn-04	18	84.50
B01	SYBR	VIPERIN	Unkn-05	19	85.00
B02	SYBR	VIPERIN	Unkn-05	19	85.00
B03	SYBR	VIPERIN	Unkn-05	19	85.00
B04	SYBR	VIPERIN	Unkn-06	24	85.00
B05	SYBR	VIPERIN	Unkn-06	24	85.00
B06	SYBR	VIPERIN	Unkn-06	24	85.00
B07	SYBR	VIPERIN	Unkn-07	25	84.50
B08	SYBR	VIPERIN	Unkn-07	25	84.50
B09	SYBR	VIPERIN	Unkn-07	25	84.50
B10	SYBR	VIPERIN	Unkn-08	29	None
B11	SYBR	VIPERIN	Unkn-08	29	None
B12	SYBR	VIPERIN	Unkn-08	29	None
C01	SYBR	VIPERIN	Unkn-09	39	85.00
C02	SYBR	VIPERIN	Unkn-09	39	85.00
C03	SYBR	VIPERIN	Unkn-09	39	85.00
C04	SYBR	VIPERIN	Unkn-10	40	85.00
C05	SYBR	VIPERIN	Unkn-10	40	85.00
C06	SYBR	VIPERIN	Unkn-10	40	85.00
C07	SYBR	VIPERIN	Unkn-11	43	85.00
C08	SYBR	VIPERIN	Unkn-11	43	85.00
C09	SYBR	VIPERIN	Unkn-11	43	85.00
C10	SYBR	VIPERIN	Unkn-12	49	85.00
C11	SYBR	VIPERIN	Unkn-12	49	85.00
C12	SYBR	VIPERIN	Unkn-12	49	85.00
D01	SYBR	VIPERIN	Unkn-13	53	85.00
D02	SYBR	VIPERIN	Unkn-13	53	85.00
D03	SYBR	VIPERIN	Unkn-13	53	85.00
D04	SYBR	VIPERIN	Unkn-14	59	84.50
D05	SYBR	VIPERIN	Unkn-14	59	84.50
D06	SYBR	VIPERIN	Unkn-14	59	84.50
D07	SYBR	VIPERIN	Unkn-15	60	85.00
D08	SYBR	VIPERIN	Unkn-15	60	85.00
D09	SYBR	VIPERIN	Unkn-15	60	85.00
D10	SYBR	VIPERIN	Unkn-16	62	85.00
D11	SYBR	VIPERIN	Unkn-16	62	85.00
D12	SYBR	VIPERIN	Unkn-16	62	85.00
E01	SYBR	VIPERIN	Unkn-17	63	84.50
E02	SYBR	VIPERIN	Unkn-17	63	84.50
E03	SYBR	VIPERIN	Unkn-17	63	84.50
E04	SYBR	VIPERIN	Unkn-18	66	None
E05	SYBR	VIPERIN	Unkn-18	66	85.00
E06	SYBR	VIPERIN	Unkn-18	66	None
E07	SYBR	VIPERIN	Unkn-19	69	85.00
E08	SYBR	VIPERIN	Unkn-19	69	85.00
E09	SYBR	VIPERIN	Unkn-19	69	85.00
E10	SYBR	VIPERIN	Unkn-20	71	85.00
E11	SYBR	VIPERIN	Unkn-20	71	85.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
E12	SYBR	VIPERIN	Unkn-20	71	85.50
F01	SYBR	VIPERIN	Unkn-21	73	85.00
F02	SYBR	VIPERIN	Unkn-21	73	85.00
F03	SYBR	VIPERIN	Unkn-21	73	85.00
F04	SYBR	VIPERIN	Unkn-22	75	85.00
F05	SYBR	VIPERIN	Unkn-22	75	85.00
F06	SYBR	VIPERIN	Unkn-22	75	85.00
F07	SYBR	VIPERIN	Unkn-23	79	84.00
F08	SYBR	VIPERIN	Unkn-23	79	84.00
F09	SYBR	VIPERIN	Unkn-23	79	84.00
F10	SYBR	VIPERIN	Unkn-24	81	85.00
F11	SYBR	VIPERIN	Unkn-24	81	85.00
F12	SYBR	VIPERIN	Unkn-24	81	85.00
G01	SYBR	VIPERIN	Unkn-25	89	85.00
G02	SYBR	VIPERIN	Unkn-25	89	85.00
G03	SYBR	VIPERIN	Unkn-25	89	85.00
G04	SYBR	VIPERIN	NTC-01		None
G05	SYBR	VIPERIN	NTC-01		None
G06	SYBR	VIPERIN	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, B10, B11, B12, E4, E6.	False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Std Curve R^2 less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True	SYBR:A1, A2, A3, A10, A11, A12, B7, B8, B9, C1, C2, C3, C4, C5, C6, D10, D11, D12, E1, E2, E3, F4, F5, F6, F7, F8, F9, F10, F11, F12, G1, G2, G3.	False	