sam_2023-07-26_13-06-28_Connect.pcrd

07/27/2023 07:24

Report Information

User: BioRad/sam
Data File Name: sam_2023-07-26_13-06-28_Connect.pcrd
Data File Path: C:\Users\Samb\Downloads\20230719-qPCR
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 07/26/2023 13:06
Run User: sam
Run Type: User-defined
Plate File: 20230726-cgig-polyIC-actin-cGAS-citrate_synthase-DICER-GAPDH-IRF2-SACSIN-VIPERIN.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

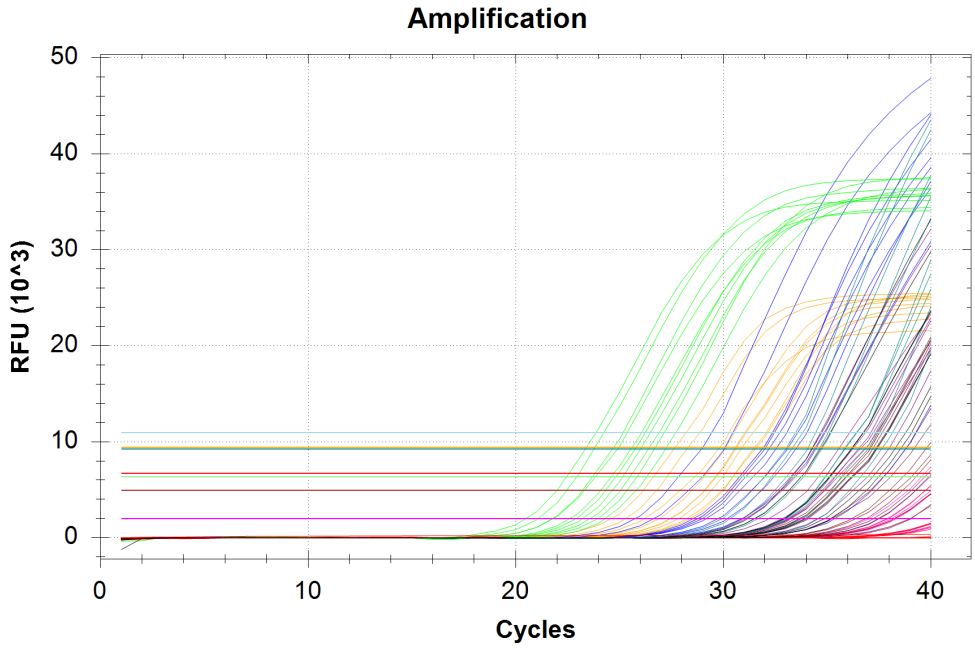
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk Cg_Actin D2I	Unk Cg_Actin D3I	Unk Cg_Actin D5I	Unk Cg_Actin D6I	Unk Cg_Actin D7I	Unk Cg_Actin T1	Unk Cg_Actin T2	Unk Cg_Actin T8	Unk Cg_Actin T14	Unk Cg_Actin T15	NTC-1 Cg_Actin	NTC-1 Cg_Actin
B	Unk Cg_cGAS D2I	Unk Cg_cGAS D3I	Unk Cg_cGAS D5I	Unk Cg_cGAS D6I	Unk Cg_cGAS D7I	Unk Cg_cGAS T1	Unk Cg_cGAS T2	Unk Cg_cGAS T8	Unk Cg_cGAS T14	Unk Cg_cGAS T15	NTC-2 Cg_cGAS	NTC-2 Cg_cGAS
C	Unk Cg_citrate-synt D2I	Unk Cg_citrate-synt D3I	Unk Cg_citrate-synt D5I	Unk Cg_citrate-synt D6I	Unk Cg_citrate-synt D7I	Unk Cg_citrate-synt T1	Unk Cg_citrate-synt T2	Unk Cg_citrate-synt T8	Unk Cg_citrate-synt T14	Unk Cg_citrate-synt T15	NTC-3 Cg_citrate-synt	NTC-3 Cg_citrate-synt
D	Unk Cg_DICER D2I	Unk Cg_DICER D3I	Unk Cg_DICER D5I	Unk Cg_DICER D6I	Unk Cg_DICER D7I	Unk Cg_DICER T1	Unk Cg_DICER T2	Unk Cg_DICER T8	Unk Cg_DICER T14	Unk Cg_DICER T15	NTC-4 Cg_DICER	NTC-4 Cg_DICER
E	Unk Cg_GAPDH D2I	Unk Cg_GAPDH D3I	Unk Cg_GAPDH D5I	Unk Cg_GAPDH D6I	Unk Cg_GAPDH D7I	Unk Cg_GAPDH T1	Unk Cg_GAPDH T2	Unk Cg_GAPDH T8	Unk Cg_GAPDH T14	Unk Cg_GAPDH T15	NTC-5 Cg_GAPDH	NTC-5 Cg_GAPDH

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
F	Unk Cg_IRF2 D2I	Unk Cg_IRF2 D3I	Unk Cg_IRF2 D5I	Unk Cg_IRF2 D6I	Unk Cg_IRF2 D7I	Unk Cg_IRF2 T1	Unk Cg_IRF2 T2	Unk Cg_IRF2 T8	Unk Cg_IRF2 T14	Unk Cg_IRF2 T15	NTC-6 Cg_IRF2	NTC-6 Cg_IRF2
G	Unk Cg_SACSIN D2I	Unk Cg_SACSIN D3I	Unk Cg_SACSIN D5I	Unk Cg_SACSIN D6I	Unk Cg_SACSIN D7I	Unk Cg_SACSIN T1	Unk Cg_SACSIN T2	Unk Cg_SACSIN T8	Unk Cg_SACSIN T14	Unk Cg_SACSIN T15	NTC-7 Cg_SACSIN	NTC-7 Cg_SACSIN
H	Unk Cg_VIPERIN D2I	Unk Cg_VIPERIN D3I	Unk Cg_VIPERIN D5I	Unk Cg_VIPERIN D6I	Unk Cg_VIPERIN D7I	Unk Cg_VIPERIN T1	Unk Cg_VIPERIN T2	Unk Cg_VIPERIN T8	Unk Cg_VIPERIN T14	Unk Cg_VIPERIN T15	NTC-8 Cg_VIPERIN	NTC-8 Cg_VIPERIN

Quantification

Step #: 3
Analysis Mode: Target
Cq Determination: Single Threshold
Baseline Method:
Cg_VIPERIN: Auto Calculated
Cg_DICER: Auto Calculated
Cg_cGAS: Auto Calculated
Cg_Actin: Auto Calculated
Cg_citrate-synt: Auto Calculated
Cg_IRF2: Auto Calculated
Cg_GAPDH: Auto Calculated
Cg_SACSIN: Auto Calculated
Threshold Setting:
Cg_VIPERIN: 9236.35, Auto Calculated
Cg_DICER: 9264.26, Auto Calculated
Cg_cGAS: 6689.60, Auto Calculated
Cg_Actin: 4927.74, Auto Calculated
Cg_citrate-synt: 10940.62, Auto Calculated
Cg_IRF2: 6370.55, Auto Calculated
Cg_GAPDH: 9433.49, Auto Calculated
Cg_SACSIN: 1985.23, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_Actin	Unkn	D2I	25.79	25.79	0.000
A02	SYBR	Cg_Actin	Unkn	D3I	24.33	24.33	0.000
A03	SYBR	Cg_Actin	Unkn	D5I	23.22	23.22	0.000
A04	SYBR	Cg_Actin	Unkn	D6I	24.09	24.09	0.000
A05	SYBR	Cg_Actin	Unkn	D7I	23.31	23.31	0.000
A06	SYBR	Cg_Actin	Unkn	T1	25.05	25.05	0.000
A07	SYBR	Cg_Actin	Unkn	T2	21.99	21.99	0.000
A08	SYBR	Cg_Actin	Unkn	T8	25.35	25.35	0.000
A09	SYBR	Cg_Actin	Unkn	T14	24.65	24.65	0.000
A10	SYBR	Cg_Actin	Unkn	T15	22.45	22.45	0.000
A11	SYBR	Cg_Actin	NTC-1		N/A	0.00	0.000
A12	SYBR	Cg_Actin	NTC-1		N/A	0.00	0.000
B01	SYBR	Cg_cGAS	Unkn	D2I	37.09	37.09	0.000
B02	SYBR	Cg_cGAS	Unkn	D3I	35.53	35.53	0.000
B03	SYBR	Cg_cGAS	Unkn	D5I	35.67	35.67	0.000
B04	SYBR	Cg_cGAS	Unkn	D6I	35.26	35.26	0.000
B05	SYBR	Cg_cGAS	Unkn	D7I	34.71	34.71	0.000
B06	SYBR	Cg_cGAS	Unkn	T1	36.42	36.42	0.000
B07	SYBR	Cg_cGAS	Unkn	T2	33.62	33.62	0.000
B08	SYBR	Cg_cGAS	Unkn	T8	N/A	0.00	0.000
B09	SYBR	Cg_cGAS	Unkn	T14	35.49	35.49	0.000
B10	SYBR	Cg_cGAS	Unkn	T15	33.38	33.38	0.000
B11	SYBR	Cg_cGAS	NTC-2		N/A	0.00	0.000
B12	SYBR	Cg_cGAS	NTC-2		N/A	0.00	0.000
C01	SYBR	Cg_citrate-synt	Unkn	D2I	39.27	39.27	0.000
C02	SYBR	Cg_citrate-synt	Unkn	D3I	32.46	32.46	0.000
C03	SYBR	Cg_citrate-synt	Unkn	D5I	32.36	32.36	0.000
C04	SYBR	Cg_citrate-synt	Unkn	D6I	33.06	33.06	0.000
C05	SYBR	Cg_citrate-synt	Unkn	D7I	34.86	34.86	0.000
C06	SYBR	Cg_citrate-synt	Unkn	T1	34.03	34.03	0.000
C07	SYBR	Cg_citrate-synt	Unkn	T2	30.46	30.46	0.000
C08	SYBR	Cg_citrate-synt	Unkn	T8	33.58	33.58	0.000
C09	SYBR	Cg_citrate-synt	Unkn	T14	32.72	32.72	0.000
C10	SYBR	Cg_citrate-synt	Unkn	T15	29.44	29.44	0.000
C11	SYBR	Cg_citrate-synt	NTC-3		N/A	0.00	0.000
C12	SYBR	Cg_citrate-synt	NTC-3		N/A	0.00	0.000
D01	SYBR	Cg_DICER	Unkn	D2I	36.18	36.18	0.000
D02	SYBR	Cg_DICER	Unkn	D3I	35.87	35.87	0.000
D03	SYBR	Cg_DICER	Unkn	D5I	34.06	34.06	0.000
D04	SYBR	Cg_DICER	Unkn	D6I	34.74	34.74	0.000
D05	SYBR	Cg_DICER	Unkn	D7I	34.62	34.62	0.000
D06	SYBR	Cg_DICER	Unkn	T1	35.83	35.83	0.000
D07	SYBR	Cg_DICER	Unkn	T2	33.02	33.02	0.000
D08	SYBR	Cg_DICER	Unkn	T8	37.63	37.63	0.000
D09	SYBR	Cg_DICER	Unkn	T14	36.84	36.84	0.000
D10	SYBR	Cg_DICER	Unkn	T15	33.30	33.30	0.000
D11	SYBR	Cg_DICER	NTC-4		N/A	0.00	0.000

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
D12	SYBR	Cg_DICER	NTC-4		N/A	0.00	0.000
E01	SYBR	Cg_GAPDH	Unkn	D2I	31.61	31.61	0.000
E02	SYBR	Cg_GAPDH	Unkn	D3I	30.59	30.59	0.000
E03	SYBR	Cg_GAPDH	Unkn	D5I	30.13	30.13	0.000
E04	SYBR	Cg_GAPDH	Unkn	D6I	30.65	30.65	0.000
E05	SYBR	Cg_GAPDH	Unkn	D7I	29.84	29.84	0.000
E06	SYBR	Cg_GAPDH	Unkn	T1	31.52	31.52	0.000
E07	SYBR	Cg_GAPDH	Unkn	T2	27.69	27.69	0.000
E08	SYBR	Cg_GAPDH	Unkn	T8	31.92	31.92	0.000
E09	SYBR	Cg_GAPDH	Unkn	T14	30.91	30.91	0.000
E10	SYBR	Cg_GAPDH	Unkn	T15	28.32	28.32	0.000
E11	SYBR	Cg_GAPDH	NTC-5		N/A	0.00	0.000
E12	SYBR	Cg_GAPDH	NTC-5		N/A	0.00	0.000
F01	SYBR	Cg_IRF2	Unkn	D2I	N/A	0.00	0.000
F02	SYBR	Cg_IRF2	Unkn	D3I	39.29	39.29	0.000
F03	SYBR	Cg_IRF2	Unkn	D5I	39.71	39.71	0.000
F04	SYBR	Cg_IRF2	Unkn	D6I	37.71	37.71	0.000
F05	SYBR	Cg_IRF2	Unkn	D7I	38.07	38.07	0.000
F06	SYBR	Cg_IRF2	Unkn	T1	39.07	39.07	0.000
F07	SYBR	Cg_IRF2	Unkn	T2	35.75	35.75	0.000
F08	SYBR	Cg_IRF2	Unkn	T8	N/A	0.00	0.000
F09	SYBR	Cg_IRF2	Unkn	T14	38.67	38.67	0.000
F10	SYBR	Cg_IRF2	Unkn	T15	35.96	35.96	0.000
F11	SYBR	Cg_IRF2	NTC-6		N/A	0.00	0.000
F12	SYBR	Cg_IRF2	NTC-6		N/A	0.00	0.000
G01	SYBR	Cg_SACSIN	Unkn	D2I	38.10	38.10	0.000
G02	SYBR	Cg_SACSIN	Unkn	D3I	N/A	0.00	0.000
G03	SYBR	Cg_SACSIN	Unkn	D5I	37.88	37.88	0.000
G04	SYBR	Cg_SACSIN	Unkn	D6I	38.32	38.32	0.000
G05	SYBR	Cg_SACSIN	Unkn	D7I	N/A	0.00	0.000
G06	SYBR	Cg_SACSIN	Unkn	T1	N/A	0.00	0.000
G07	SYBR	Cg_SACSIN	Unkn	T2	37.03	37.03	0.000
G08	SYBR	Cg_SACSIN	Unkn	T8	N/A	0.00	0.000
G09	SYBR	Cg_SACSIN	Unkn	T14	N/A	0.00	0.000
G10	SYBR	Cg_SACSIN	Unkn	T15	37.51	37.51	0.000
G11	SYBR	Cg_SACSIN	NTC-7		N/A	0.00	0.000
G12	SYBR	Cg_SACSIN	NTC-7		N/A	0.00	0.000
H01	SYBR	Cg_VIPERIN	Unkn	D2I	N/A	0.00	0.000
H02	SYBR	Cg_VIPERIN	Unkn	D3I	36.15	36.15	0.000
H03	SYBR	Cg_VIPERIN	Unkn	D5I	36.18	36.18	0.000
H04	SYBR	Cg_VIPERIN	Unkn	D6I	37.33	37.33	0.000
H05	SYBR	Cg_VIPERIN	Unkn	D7I	37.06	37.06	0.000
H06	SYBR	Cg_VIPERIN	Unkn	T1	38.53	38.53	0.000
H07	SYBR	Cg_VIPERIN	Unkn	T2	34.68	34.68	0.000
H08	SYBR	Cg_VIPERIN	Unkn	T8	37.38	37.38	0.000
H09	SYBR	Cg_VIPERIN	Unkn	T14	38.26	38.26	0.000
H10	SYBR	Cg_VIPERIN	Unkn	T15	34.28	34.28	0.000
H11	SYBR	Cg_VIPERIN	NTC-8		N/A	0.00	0.000
H12	SYBR	Cg_VIPERIN	NTC-8		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
Cg_Actin	Cg_Actin	False	Yes	100.0%
Cg_cGAS	Cg_cGAS	False	Yes	100.0%
Cg_citrate-synt	Cg_citrate-synt	False	Yes	100.0%
Cg_DICER	Cg_DICER	False	Yes	100.0%
Cg_GAPDH	Cg_GAPDH	False	Yes	100.0%
Cg_IRF2	Cg_IRF2	False	Yes	100.0%
Cg_SACSIN	Cg_SACSIN	False	Yes	100.0%
Cg_VIPERIN	Cg_VIPERIN	False	Yes	100.0%

Sample Names

Name	Full Name	Control
D2I	D2I	No
D3I	D3I	No
D5I	D5I	No
D6I	D6I	No
D7I	D7I	No
T1	T1	No
T14	T14	No
T15	T15	No
T2	T2	No
T8	T8	No

Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_Actin	D2I		N/A	N/A	N/A	25.79	0.00000	N/A
Cg_Actin	D3I		N/A	N/A	N/A	24.33	0.00000	N/A
Cg_Actin	D5I		N/A	N/A	N/A	23.22	0.00000	N/A
Cg_Actin	D6I		N/A	N/A	N/A	24.09	0.00000	N/A
Cg_Actin	D7I		N/A	N/A	N/A	23.31	0.00000	N/A
Cg_Actin	T1		N/A	N/A	N/A	25.05	0.00000	N/A
Cg_Actin	T14		N/A	N/A	N/A	24.65	0.00000	N/A
Cg_Actin	T15		N/A	N/A	N/A	22.45	0.00000	N/A
Cg_Actin	T2		N/A	N/A	N/A	21.99	0.00000	N/A
Cg_Actin	T8		N/A	N/A	N/A	25.35	0.00000	N/A
Cg_cGAS	D2I		N/A	N/A	N/A	37.09	0.00000	N/A
Cg_cGAS	D3I		N/A	N/A	N/A	35.53	0.00000	N/A
Cg_cGAS	D5I		N/A	N/A	N/A	35.67	0.00000	N/A
Cg_cGAS	D6I		N/A	N/A	N/A	35.26	0.00000	N/A
Cg_cGAS	D7I		N/A	N/A	N/A	34.71	0.00000	N/A
Cg_cGAS	T1		N/A	N/A	N/A	36.42	0.00000	N/A
Cg_cGAS	T14		N/A	N/A	N/A	35.49	0.00000	N/A
Cg_cGAS	T15		N/A	N/A	N/A	33.38	0.00000	N/A

Gene Expression - Bar Chart Data

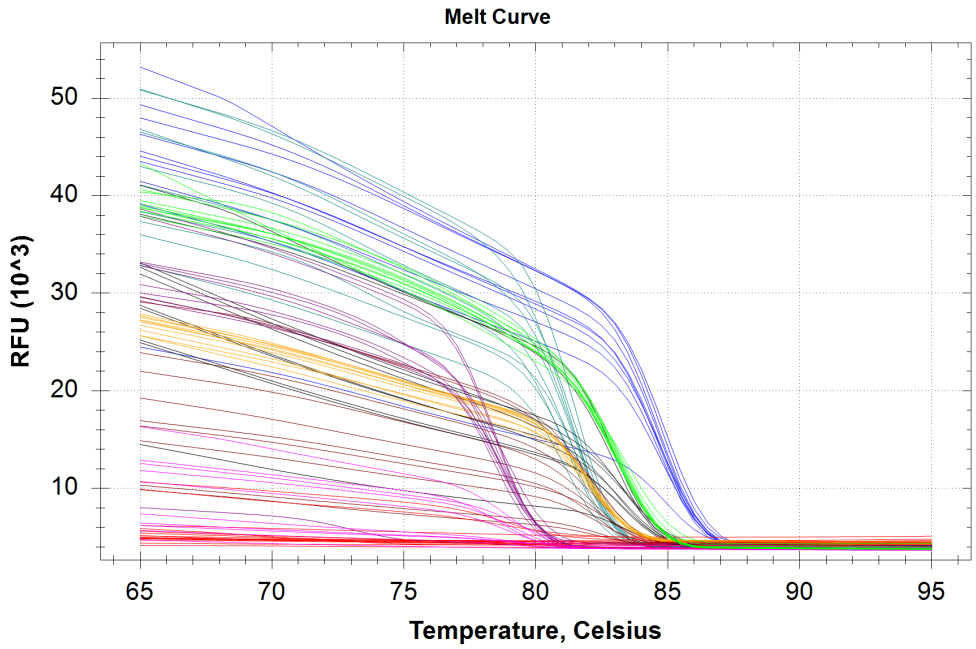
Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_cGAS	T2		N/A	N/A	N/A	33.62	0.00000	N/A
Cg_cGAS	T8		N/A	N/A	N/A	N/A	N/A	N/A
Cg_citrate-synt	D2I		N/A	N/A	N/A	39.27	0.00000	N/A
Cg_citrate-synt	D3I		N/A	N/A	N/A	32.46	0.00000	N/A
Cg_citrate-synt	D5I		N/A	N/A	N/A	32.36	0.00000	N/A
Cg_citrate-synt	D6I		N/A	N/A	N/A	33.06	0.00000	N/A
Cg_citrate-synt	D7I		N/A	N/A	N/A	34.86	0.00000	N/A
Cg_citrate-synt	T1		N/A	N/A	N/A	34.03	0.00000	N/A
Cg_citrate-synt	T14		N/A	N/A	N/A	32.72	0.00000	N/A
Cg_citrate-synt	T15		N/A	N/A	N/A	29.44	0.00000	N/A
Cg_citrate-synt	T2		N/A	N/A	N/A	30.46	0.00000	N/A
Cg_citrate-synt	T8		N/A	N/A	N/A	33.58	0.00000	N/A
Cg_DICER	D2I		N/A	N/A	N/A	36.18	0.00000	N/A
Cg_DICER	D3I		N/A	N/A	N/A	35.87	0.00000	N/A
Cg_DICER	D5I		N/A	N/A	N/A	34.06	0.00000	N/A
Cg_DICER	D6I		N/A	N/A	N/A	34.74	0.00000	N/A
Cg_DICER	D7I		N/A	N/A	N/A	34.62	0.00000	N/A
Cg_DICER	T1		N/A	N/A	N/A	35.83	0.00000	N/A
Cg_DICER	T14		N/A	N/A	N/A	36.84	0.00000	N/A
Cg_DICER	T15		N/A	N/A	N/A	33.30	0.00000	N/A
Cg_DICER	T2		N/A	N/A	N/A	33.02	0.00000	N/A
Cg_DICER	T8		N/A	N/A	N/A	37.63	0.00000	N/A
Cg_GAPDH	D2I		N/A	N/A	N/A	31.61	0.00000	N/A
Cg_GAPDH	D3I		N/A	N/A	N/A	30.59	0.00000	N/A
Cg_GAPDH	D5I		N/A	N/A	N/A	30.13	0.00000	N/A
Cg_GAPDH	D6I		N/A	N/A	N/A	30.65	0.00000	N/A
Cg_GAPDH	D7I		N/A	N/A	N/A	29.84	0.00000	N/A
Cg_GAPDH	T1		N/A	N/A	N/A	31.52	0.00000	N/A
Cg_GAPDH	T14		N/A	N/A	N/A	30.91	0.00000	N/A
Cg_GAPDH	T15		N/A	N/A	N/A	28.32	0.00000	N/A
Cg_GAPDH	T2		N/A	N/A	N/A	27.69	0.00000	N/A
Cg_GAPDH	T8		N/A	N/A	N/A	31.92	0.00000	N/A
Cg_IRF2	D2I		N/A	N/A	N/A	N/A	N/A	N/A
Cg_IRF2	D3I		N/A	N/A	N/A	39.29	0.00000	N/A
Cg_IRF2	D5I		N/A	N/A	N/A	39.71	0.00000	N/A
Cg_IRF2	D6I		N/A	N/A	N/A	37.71	0.00000	N/A
Cg_IRF2	D7I		N/A	N/A	N/A	38.07	0.00000	N/A
Cg_IRF2	T1		N/A	N/A	N/A	39.07	0.00000	N/A
Cg_IRF2	T14		N/A	N/A	N/A	38.67	0.00000	N/A
Cg_IRF2	T15		N/A	N/A	N/A	35.96	0.00000	N/A
Cg_IRF2	T2		N/A	N/A	N/A	35.75	0.00000	N/A
Cg_IRF2	T8		N/A	N/A	N/A	N/A	N/A	N/A
Cg_SACSIN	D2I		N/A	N/A	N/A	38.10	0.00000	N/A
Cg_SACSIN	D3I		N/A	N/A	N/A	N/A	N/A	N/A
Cg_SACSIN	D5I		N/A	N/A	N/A	37.88	0.00000	N/A
Cg_SACSIN	D6I		N/A	N/A	N/A	38.32	0.00000	N/A
Cg_SACSIN	D7I		N/A	N/A	N/A	N/A	N/A	N/A
Cg_SACSIN	T1		N/A	N/A	N/A	N/A	N/A	N/A
Cg_SACSIN	T14		N/A	N/A	N/A	N/A	N/A	N/A

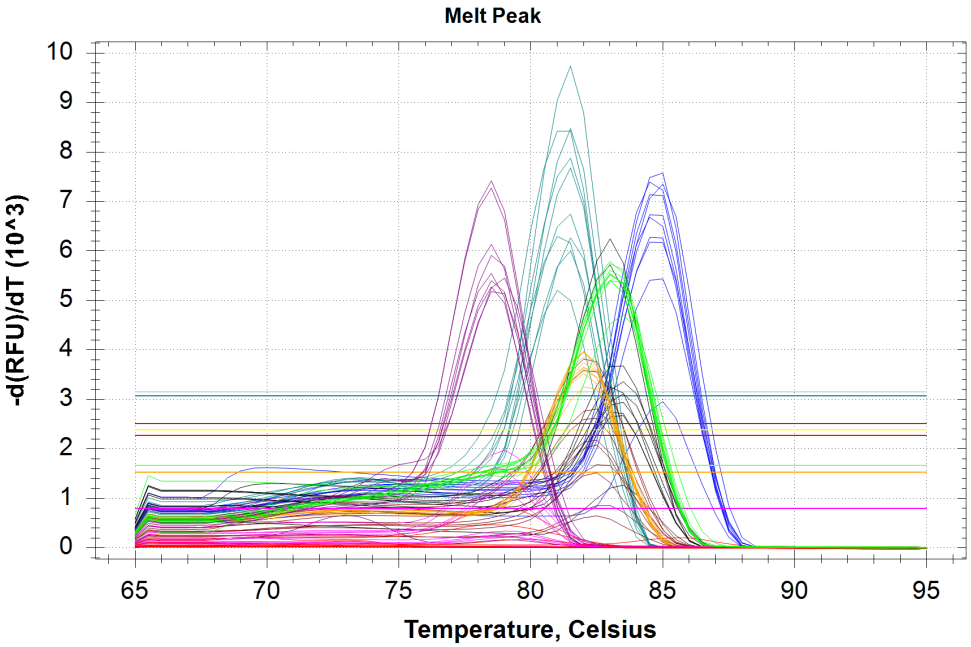
Gene Expression - Bar Chart Data

Target	Sample	Control	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SEM	P-Value
Cg_SACSIN	T15		N/A	N/A	N/A	37.51	0.00000	N/A
Cg_SACSIN	T2		N/A	N/A	N/A	37.03	0.00000	N/A
Cg_SACSIN	T8		N/A	N/A	N/A	N/A	N/A	N/A
Cg_VIPERIN	D2I		N/A	N/A	N/A	N/A	N/A	N/A
Cg_VIPERIN	D3I		N/A	N/A	N/A	36.15	0.00000	N/A
Cg_VIPERIN	D5I		N/A	N/A	N/A	36.18	0.00000	N/A
Cg_VIPERIN	D6I		N/A	N/A	N/A	37.33	0.00000	N/A
Cg_VIPERIN	D7I		N/A	N/A	N/A	37.06	0.00000	N/A
Cg_VIPERIN	T1		N/A	N/A	N/A	38.53	0.00000	N/A
Cg_VIPERIN	T14		N/A	N/A	N/A	38.26	0.00000	N/A
Cg_VIPERIN	T15		N/A	N/A	N/A	34.28	0.00000	N/A
Cg_VIPERIN	T2		N/A	N/A	N/A	34.68	0.00000	N/A
Cg_VIPERIN	T8		N/A	N/A	N/A	37.38	0.00000	N/A

Melt Curve

Step #: 5





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	Cg_Actin	Unkn	D2I	83.00
A02	SYBR	Cg_Actin	Unkn	D3I	83.00
A03	SYBR	Cg_Actin	Unkn	D5I	83.00
A04	SYBR	Cg_Actin	Unkn	D6I	83.00
A05	SYBR	Cg_Actin	Unkn	D7I	83.00
A06	SYBR	Cg_Actin	Unkn	T1	83.00
A07	SYBR	Cg_Actin	Unkn	T2	83.00
A08	SYBR	Cg_Actin	Unkn	T8	83.00
A09	SYBR	Cg_Actin	Unkn	T14	83.00
A10	SYBR	Cg_Actin	Unkn	T15	83.50
A11	SYBR	Cg_Actin	NTC-1		None
A12	SYBR	Cg_Actin	NTC-1		None
B01	SYBR	Cg_cGAS	Unkn	D2I	78.50
B02	SYBR	Cg_cGAS	Unkn	D3I	79.00
B03	SYBR	Cg_cGAS	Unkn	D5I	78.50
B04	SYBR	Cg_cGAS	Unkn	D6I	78.50
B05	SYBR	Cg_cGAS	Unkn	D7I	78.50
B06	SYBR	Cg_cGAS	Unkn	T1	78.50
B07	SYBR	Cg_cGAS	Unkn	T2	78.50
B08	SYBR	Cg_cGAS	Unkn	T8	None
B09	SYBR	Cg_cGAS	Unkn	T14	78.50
B10	SYBR	Cg_cGAS	Unkn	T15	78.50
B11	SYBR	Cg_cGAS	NTC-2		None
B12	SYBR	Cg_cGAS	NTC-2		None
C01	SYBR	Cg_citrate-synt	Unkn	D2I	None
C02	SYBR	Cg_citrate-synt	Unkn	D3I	85.00
C03	SYBR	Cg_citrate-synt	Unkn	D5I	84.50
C04	SYBR	Cg_citrate-synt	Unkn	D6I	84.50
C05	SYBR	Cg_citrate-synt	Unkn	D7I	85.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
C06	SYBR	Cg_citrate-synt	Unkn	T1	84.50
C07	SYBR	Cg_citrate-synt	Unkn	T2	84.50
C08	SYBR	Cg_citrate-synt	Unkn	T8	85.00
C09	SYBR	Cg_citrate-synt	Unkn	T14	84.50
C10	SYBR	Cg_citrate-synt	Unkn	T15	85.00
C11	SYBR	Cg_citrate-synt	NTC-3		None
C12	SYBR	Cg_citrate-synt	NTC-3		None
D01	SYBR	Cg_DICER	Unkn	D2I	81.50
D02	SYBR	Cg_DICER	Unkn	D3I	81.00
D03	SYBR	Cg_DICER	Unkn	D5I	81.50
D04	SYBR	Cg_DICER	Unkn	D6I	81.50
D05	SYBR	Cg_DICER	Unkn	D7I	81.50
D06	SYBR	Cg_DICER	Unkn	T1	81.50
D07	SYBR	Cg_DICER	Unkn	T2	81.50
D08	SYBR	Cg_DICER	Unkn	T8	81.00
D09	SYBR	Cg_DICER	Unkn	T14	81.50
D10	SYBR	Cg_DICER	Unkn	T15	81.50
D11	SYBR	Cg_DICER	NTC-4		None
D12	SYBR	Cg_DICER	NTC-4		None
E01	SYBR	Cg_GAPDH	Unkn	D2I	82.00
E02	SYBR	Cg_GAPDH	Unkn	D3I	82.00
E03	SYBR	Cg_GAPDH	Unkn	D5I	82.00
E04	SYBR	Cg_GAPDH	Unkn	D6I	82.00
E05	SYBR	Cg_GAPDH	Unkn	D7I	82.00
E06	SYBR	Cg_GAPDH	Unkn	T1	82.00
E07	SYBR	Cg_GAPDH	Unkn	T2	82.00
E08	SYBR	Cg_GAPDH	Unkn	T8	82.00
E09	SYBR	Cg_GAPDH	Unkn	T14	82.00
E10	SYBR	Cg_GAPDH	Unkn	T15	82.00
E11	SYBR	Cg_GAPDH	NTC-5		None
E12	SYBR	Cg_GAPDH	NTC-5		None
F01	SYBR	Cg_IRF2	Unkn	D2I	None
F02	SYBR	Cg_IRF2	Unkn	D3I	82.50
F03	SYBR	Cg_IRF2	Unkn	D5I	None
F04	SYBR	Cg_IRF2	Unkn	D6I	82.50
F05	SYBR	Cg_IRF2	Unkn	D7I	82.50
F06	SYBR	Cg_IRF2	Unkn	T1	82.50
F07	SYBR	Cg_IRF2	Unkn	T2	82.00
F08	SYBR	Cg_IRF2	Unkn	T8	None
F09	SYBR	Cg_IRF2	Unkn	T14	82.50
F10	SYBR	Cg_IRF2	Unkn	T15	82.00
F11	SYBR	Cg_IRF2	NTC-6		None
F12	SYBR	Cg_IRF2	NTC-6		None
G01	SYBR	Cg_SACSIN	Unkn	D2I	79.50
G02	SYBR	Cg_SACSIN	Unkn	D3I	None
G03	SYBR	Cg_SACSIN	Unkn	D5I	79.00
G04	SYBR	Cg_SACSIN	Unkn	D6I	79.00
G05	SYBR	Cg_SACSIN	Unkn	D7I	None
G06	SYBR	Cg_SACSIN	Unkn	T1	None
G07	SYBR	Cg_SACSIN	Unkn	T2	79.00

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
G08	SYBR	Cg_SACSIN	Unkn	T8	None
G09	SYBR	Cg_SACSIN	Unkn	T14	None
G10	SYBR	Cg_SACSIN	Unkn	T15	78.50
G11	SYBR	Cg_SACSIN	NTC-7		None
G12	SYBR	Cg_SACSIN	NTC-7		None
H01	SYBR	Cg_VIPERIN	Unkn	D2I	None
H02	SYBR	Cg_VIPERIN	Unkn	D3I	83.50
H03	SYBR	Cg_VIPERIN	Unkn	D5I	83.50
H04	SYBR	Cg_VIPERIN	Unkn	D6I	83.50
H05	SYBR	Cg_VIPERIN	Unkn	D7I	83.50
H06	SYBR	Cg_VIPERIN	Unkn	T1	83.50
H07	SYBR	Cg_VIPERIN	Unkn	T2	83.00
H08	SYBR	Cg_VIPERIN	Unkn	T8	83.00
H09	SYBR	Cg_VIPERIN	Unkn	T14	83.00
H10	SYBR	Cg_VIPERIN	Unkn	T15	83.00
H11	SYBR	Cg_VIPERIN	NTC-8		None
H12	SYBR	Cg_VIPERIN	NTC-8		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	Cg_cGAS:B8. Cg_IRF2:F1, F8. Cg_SACSIN:G2, G5, G6, G8, G9. Cg_VIPERIN:H1.	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			

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Replicate group Cq Std Dev greater than	0.20	True		False	