



sam_2024-12-11_06-45-17_Connect-citrate_synthase-01.pcrd

12/12/2024 14:47

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-11_06-45-17_Connect-citrate_synthase-01.pcrd
Data File Path: C:\Users\Samb\Downloads\lifestage-pcrs
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 12/11/2024 06:45
Run User: sam
Run Type: User-defined
Plate File: cgig-citrate_synthase-cfx-plate-01.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

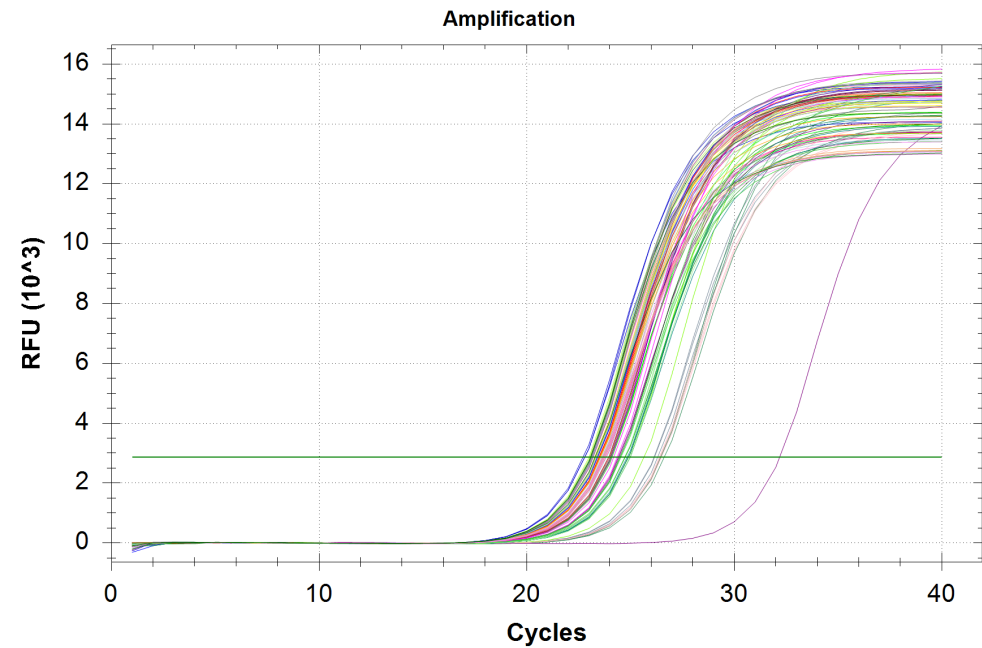
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 201	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 201	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 201	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 202	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 202	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 202	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 203	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 203	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 203	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 204	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 204	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 204
B	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 205	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 205	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 205	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 207	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 207	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 207	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 208	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 208	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 208	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 209	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 209	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 209

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
C	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 213	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 213	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 213	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 214	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 214	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 214	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 216	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 216	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 216	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 219	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 219	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 219
D	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 227	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 227	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 227	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 229	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 229	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 229	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 230	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 230	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 230	Unk-16 Cg_citrate_synthase (SR IDs: 1383/4) 231	Unk-16 Cg_citrate_synthase (SR IDs: 1383/4) 231	Unk-16 Cg_citrate_synthase (SR IDs: 1383/4) 231
E	Unk-17 Cg_citrate_synthase (SR IDs: 1383/4) 232	Unk-17 Cg_citrate_synthase (SR IDs: 1383/4) 232	Unk-17 Cg_citrate_synthase (SR IDs: 1383/4) 232	Unk-18 Cg_citrate_synthase (SR IDs: 1383/4) 233	Unk-18 Cg_citrate_synthase (SR IDs: 1383/4) 233	Unk-18 Cg_citrate_synthase (SR IDs: 1383/4) 233	Unk-19 Cg_citrate_synthase (SR IDs: 1383/4) 235	Unk-19 Cg_citrate_synthase (SR IDs: 1383/4) 235	Unk-19 Cg_citrate_synthase (SR IDs: 1383/4) 235	Unk-20 Cg_citrate_synthase (SR IDs: 1383/4) 236	Unk-20 Cg_citrate_synthase (SR IDs: 1383/4) 236	Unk-20 Cg_citrate_synthase (SR IDs: 1383/4) 236
F	Unk-21 Cg_citrate_synthase (SR IDs: 1383/4) 237	Unk-21 Cg_citrate_synthase (SR IDs: 1383/4) 237	Unk-21 Cg_citrate_synthase (SR IDs: 1383/4) 237	Unk-22 Cg_citrate_synthase (SR IDs: 1383/4) 238	Unk-22 Cg_citrate_synthase (SR IDs: 1383/4) 238	Unk-22 Cg_citrate_synthase (SR IDs: 1383/4) 238	Unk-23 Cg_citrate_synthase (SR IDs: 1383/4) 239	Unk-23 Cg_citrate_synthase (SR IDs: 1383/4) 239	Unk-23 Cg_citrate_synthase (SR IDs: 1383/4) 239	Unk-24 Cg_citrate_synthase (SR IDs: 1383/4) 240	Unk-24 Cg_citrate_synthase (SR IDs: 1383/4) 240	Unk-24 Cg_citrate_synthase (SR IDs: 1383/4) 240
G	Unk-25 Cg_citrate_synthase (SR IDs: 1383/4) 241	Unk-25 Cg_citrate_synthase (SR IDs: 1383/4) 241	Unk-25 Cg_citrate_synthase (SR IDs: 1383/4) 241	Unk-26 Cg_citrate_synthase (SR IDs: 1383/4) 245	Unk-26 Cg_citrate_synthase (SR IDs: 1383/4) 245	Unk-26 Cg_citrate_synthase (SR IDs: 1383/4) 245	Unk-27 Cg_citrate_synthase (SR IDs: 1383/4) 248	Unk-27 Cg_citrate_synthase (SR IDs: 1383/4) 248	Unk-27 Cg_citrate_synthase (SR IDs: 1383/4) 248	Unk-28 Cg_citrate_synthase (SR IDs: 1383/4) 250	Unk-28 Cg_citrate_synthase (SR IDs: 1383/4) 250	Unk-28 Cg_citrate_synthase (SR IDs: 1383/4) 250
H	Unk-29 Cg_citrate_synthase (SR IDs: 1383/4) 252	Unk-29 Cg_citrate_synthase (SR IDs: 1383/4) 252	Unk-29 Cg_citrate_synthase (SR IDs: 1383/4) 252	Unk-30 Cg_citrate_synthase (SR IDs: 1383/4) 258	Unk-30 Cg_citrate_synthase (SR IDs: 1383/4) 258	Unk-30 Cg_citrate_synthase (SR IDs: 1383/4) 258	Unk-31 Cg_citrate_synthase (SR IDs: 1383/4) 263	Unk-31 Cg_citrate_synthase (SR IDs: 1383/4) 263	Unk-31 Cg_citrate_synthase (SR IDs: 1383/4) 263	Unk-32 Cg_citrate_synthase (SR IDs: 1383/4) 268	Unk-32 Cg_citrate_synthase (SR IDs: 1383/4) 268	Unk-32 Cg_citrate_synthase (SR IDs: 1383/4) 268

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2857.64, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	201	23.72	23.67	0.050
A02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	201	23.66	23.67	0.050
A03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	201	23.62	23.67	0.050
A04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	202	23.18	23.17	0.035
A05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	202	23.13	23.17	0.035
A06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	202	23.20	23.17	0.035
A07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	203	23.31	23.29	0.014
A08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	203	23.28	23.29	0.014
A09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	203	23.29	23.29	0.014
A10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	204	22.70	22.76	0.049
A11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	204	22.79	22.76	0.049
A12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	204	22.79	22.76	0.049
B01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	205	23.82	23.89	0.168
B02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	205	23.76	23.89	0.168
B03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	205	24.08	23.89	0.168
B04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	207	23.30	23.17	0.124
B05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	207	23.06	23.17	0.124
B06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	207	23.16	23.17	0.124
B07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	208	23.00	23.05	0.054
B08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	208	23.04	23.05	0.054
B09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	208	23.11	23.05	0.054
B10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	209	26.15	26.19	0.094
B11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	209	26.13	26.19	0.094
B12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	209	26.30	26.19	0.094
C01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	213	26.62	26.50	0.101
C02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	213	26.46	26.50	0.101
C03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	213	26.43	26.50	0.101

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
C04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	214	24.98	25.17	0.410
C05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	214	25.64	25.17	0.410
C06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	214	24.89	25.17	0.410
C07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	216	24.04	24.06	0.013
C08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	216	24.06	24.06	0.013
C09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	216	24.06	24.06	0.013
C10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	219	23.36	23.36	0.059
C11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	219	23.30	23.36	0.059
C12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	219	23.42	23.36	0.059
D01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	227	26.42	26.43	0.047
D02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	227	26.39	26.43	0.047
D03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	227	26.48	26.43	0.047
D04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	229	24.08	24.08	0.027
D05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	229	24.11	24.08	0.027
D06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	229	24.06	24.08	0.027
D07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	230	24.44	27.01	4.478
D08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	230	24.40	27.01	4.478
D09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	230	32.18	27.01	4.478
D10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-16	231	24.74	24.71	0.204
D11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-16	231	24.49	24.71	0.204
D12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-16	231	24.90	24.71	0.204
E01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-17	232	23.40	23.39	0.020
E02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-17	232	23.37	23.39	0.020
E03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-17	232	23.40	23.39	0.020
E04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-18	233	23.30	23.30	0.011
E05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-18	233	23.31	23.30	0.011
E06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-18	233	23.29	23.30	0.011
E07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-19	235	24.01	23.97	0.036

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-19	235	23.94	23.97	0.036
E09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-19	235	23.96	23.97	0.036
E10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-20	236	23.48	23.49	0.017
E11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-20	236	23.48	23.49	0.017
E12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-20	236	23.51	23.49	0.017
F01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-21	237	23.84	23.65	0.169
F02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-21	237	23.57	23.65	0.169
F03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-21	237	23.53	23.65	0.169
F04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-22	238	24.83	24.90	0.078
F05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-22	238	24.88	24.90	0.078
F06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-22	238	24.98	24.90	0.078
F07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-23	239	23.55	23.54	0.013
F08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-23	239	23.52	23.54	0.013
F09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-23	239	23.53	23.54	0.013
F10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-24	240	24.99	24.81	0.158
F11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-24	240	24.72	24.81	0.158
F12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-24	240	24.72	24.81	0.158
G01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-25	241	24.35	24.20	0.140
G02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-25	241	24.07	24.20	0.140
G03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-25	241	24.19	24.20	0.140
G04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-26	245	23.32	23.32	0.034
G05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-26	245	23.35	23.32	0.034
G06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-26	245	23.28	23.32	0.034
G07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-27	248	23.31	23.33	0.038
G08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-27	248	23.30	23.33	0.038
G09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-27	248	23.37	23.33	0.038
G10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-28	250	23.20	23.14	0.050
G11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-28	250	23.13	23.14	0.050

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
G12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-28	250	23.10	23.14	0.050
H01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-29	252	24.73	24.58	0.128
H02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-29	252	24.49	24.58	0.128
H03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-29	252	24.53	24.58	0.128
H04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-30	258	23.70	23.71	0.043
H05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-30	258	23.76	23.71	0.043
H06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-30	258	23.68	23.71	0.043
H07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-31	263	23.75	23.69	0.054
H08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-31	263	23.70	23.69	0.054
H09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-31	263	23.64	23.69	0.054
H10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-32	268	23.29	23.15	0.125
H11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-32	268	23.08	23.15	0.125
H12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-32	268	23.07	23.15	0.125

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	

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
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:D7, D8, D9.	False	