

# cobas® 4800 User Defined Workflow (UDF)



**xj20250528 HC2**

## Experiment

Creation Date	5/28/2025 1:43:02 PM	Last Modified Date	6/2/2025 2:35:48 AM
Operator	System Admin	Owner	System Admin
Start Time	5/28/2025 1:44:03 PM	End Time	5/28/2025 2:43:34 PM
Run State	Completed	Software Version	LCS480 1.5.1.62 SP3 - UDF 2.1.0.26
Macro		Macro Owner	
Macro Status			
Templates	gongying	Plate ID	
Test ID		Lot ID	
Color Comp ID			
Run Notes			

## Programs

Program Name	Program		
Cycles	1	Analysis Mode	None

Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:00:30	4.40		0	0	0

Program Name	Program		
Cycles	40	Analysis Mode	Quantification

Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:00:15	4.40		0	0	0
60	Single	00:00:30	2.20		0	0	0

Program Name	Program		
Cycles	1	Analysis Mode	Melting Curves

Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:01:00	4.40		0	0	0
60	None	00:00:30	2.20		0	0	0
90	Continuous		0.11	5	0	0	0

Program Name	Program		
Cycles	1	Analysis Mode	None

Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
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Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
40	None	00:00:30	2.20		0	0	0

## Samples

Sample Count		96			
Subset		All Samples			
Pos	Name	ID	Repl. Of	Sample Notes	
A1	GAPDH 9				
A2	GAPDH 9				
A3	GAPDH 9				
A4	GAPDH 10				
A5	GAPDH 10				
A6	GAPDH 10				
A7	GAPDH 11				
A8	GAPDH 11				
A9	GAPDH 11				
A10	GAPDH 12				
A11	GAPDH 12				
A12	GAPDH 12				
B1	FCER1A 9				
B2	FCER1A 9				
B3	FCER1A 9				
B4	FCER1A 10				
B5	FCER1A 10				
B6	FCER1A 10				
B7	FCER1A 11				
B8	FCER1A 11				
B9	FCER1A 11				
B10	FCER1A 12				
B11	FCER1A 12				
B12	FCER1A 12				
C1	RGS1 9				
C2	RGS1 9				
C3	RGS1 9				
C4	RGS1 10				
C5	RGS1 10				
C6	RGS1 10				
C7	RGS1 1				
C8	RGS1 1				
C9	RGS1 1				
C10	RGS1 12				
C11	RGS1 12				
C12	RGS1 12				

## Samples

Sample Count		96		
Subset		All Samples		
Pos	Name	ID	Repl. Of	Sample Notes
D1	GAPDH 13			
D2	GAPDH 13			
D3	GAPDH 13			
D4	GAPDH 14			
D5	GAPDH 14			
D6	GAPDH 14			
D7	GAPDH 15			
D8	GAPDH 15			
D9	GAPDH 15			
D10	GAPDH 16			
D11	GAPDH 16			
D12	GAPDH 16			
E1	FCER1A 13			
E2	FCER1A 13			
E3	FCER1A 13			
E4	FCER1A 14			
E5	FCER1A 14			
E6	FCER1A 14			
E7	FCER1A 15			
E8	FCER1A 15			
E9	FCER1A 15			
E10	FCER1A 16			
E11	FCER1A 16			
E12	FCER1A 16			
F1	RGS1 13			
F2	RGS1 13			
F3	RGS1 13			
F4	RGS1 14			
F5	RGS1 14			
F6	RGS1 14			
F7	RGS1 15			
F8	RGS1 15			
F9	RGS1 15			
F10	RGS1 16			
F11	RGS1 16			
F12	RGS1 16			
G1	blank			
G2	blank			
G3	blank			

Samples

Sample Count		96			
Subset		All Samples			
Pos	Name	ID	Repl. Of	Sample Notes	
G4	blank				
G5	blank				
G6	blank				
G7	blank				
G8	blank				
G9	blank				
G10	blank				
G11	blank				
G12	blank				
H1	blank				
H2	blank				
H3	blank				
H4	blank				
H5	blank				
H6	blank				
H7	blank				
H8	blank				
H9	blank				
H10	blank				
H11	blank				
H12	blank				

Instrument

Name	Z480	Serial Number	56319
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Revision History

Revision	Date	User	Reason

Abs Quant/2nd Derivative Max for All Samples (Abs Quant/2nd Derivative Max)

Settings

Channel	465-510			
Color Compensation	Off			
Program	Program		Units	
Mode	High Confidence			

Subset Name	All Samples
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Results

> Late Cycle (Five cycles) has higher uncertainty	Type	CP	Concentration	Standard	Status
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## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	30.70			
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	32.82			
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	32.35			
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	29.30			
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	25.51			
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	32.47			
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	35.00			>
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	35.00			>
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	28.74			
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	35.00			>
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	30.00			
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	29.91			
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	31.11			
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	30.02			
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	31.51			
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	29.17			
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	31.13			
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	30.67			
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	30.94			
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	30.75			
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	31.26			
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	33.00			
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	34.54			
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	35.00			>
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	35.00			>
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	32.67			
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	33.81			
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	33.44			
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	32.05			

> - Late Cp call (last five cycles) has higher uncertainty

## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	31.62			
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	35.00			>
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	32.88			
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	31.08			
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	35.00			>
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	30.57			
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	33.36			
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	33.20			
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	35.00			>
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	33.35			
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	29.81			
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	29.49			
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	31.04			
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	29.49			
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	28.67			
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	28.74			
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	29.11			
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	32.33			
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	30.88			
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	29.97			
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	30.96			
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	30.64			
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	31.90			
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	33.90			
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	35.00			>
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	32.42			
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	32.70			
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	31.23			
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	33.13			
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	32.74			
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	33.21			
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	35.00			>
<input checked="" type="checkbox"/>	G1	blank	Unknown				
<input checked="" type="checkbox"/>	G2	blank	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty

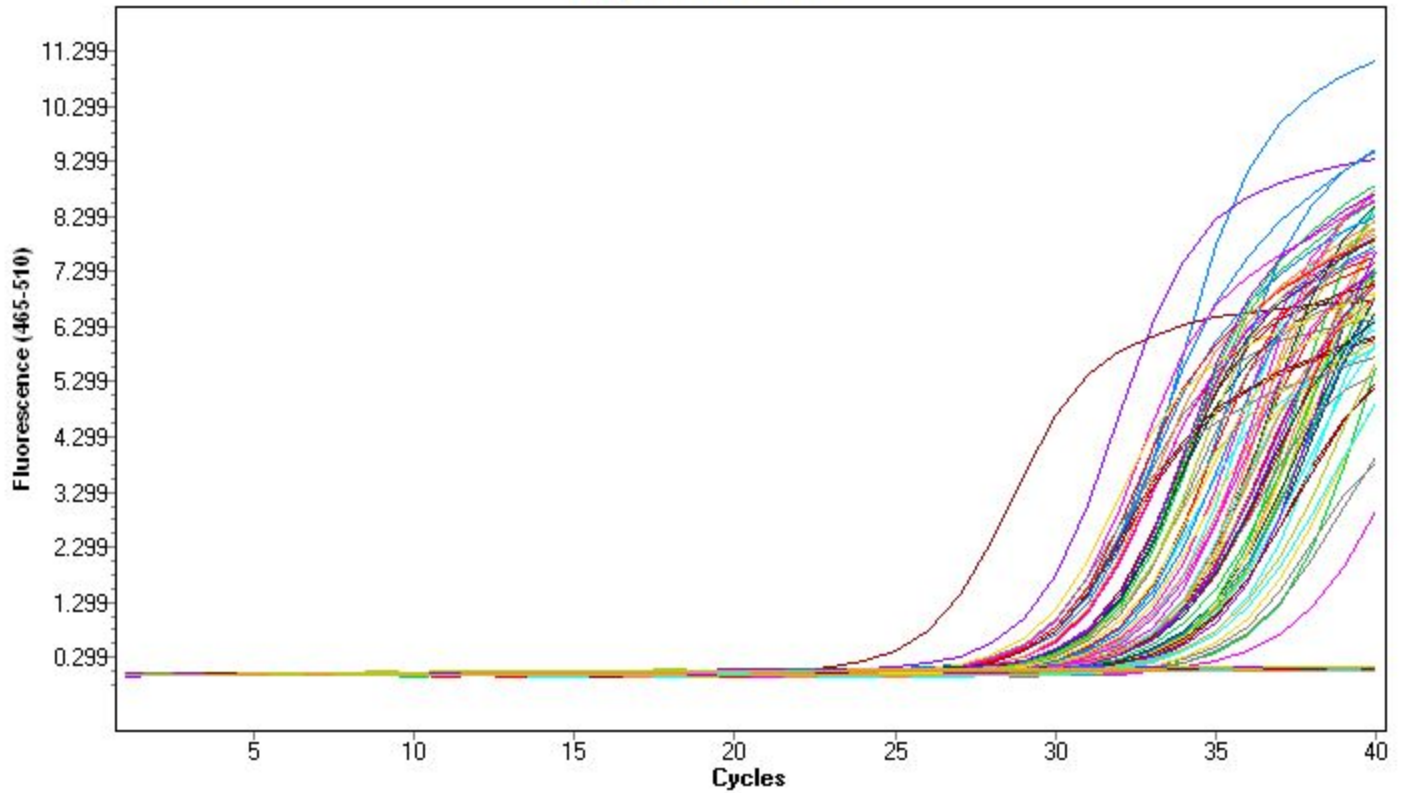
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**Results**

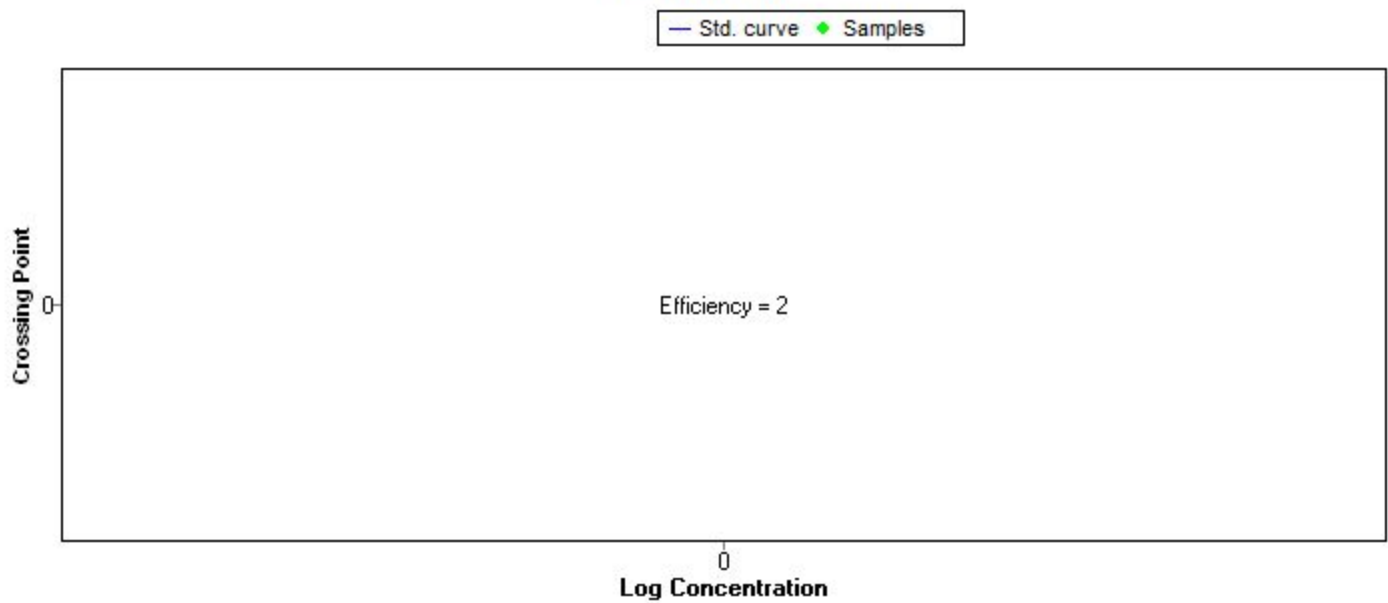
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	G3	blank	Unknown				
<input checked="" type="checkbox"/>	G4	blank	Unknown				
<input checked="" type="checkbox"/>	G5	blank	Unknown				
<input checked="" type="checkbox"/>	G6	blank	Unknown				
<input checked="" type="checkbox"/>	G7	blank	Unknown				
<input checked="" type="checkbox"/>	G8	blank	Unknown				
<input checked="" type="checkbox"/>	G9	blank	Unknown				
<input checked="" type="checkbox"/>	G10	blank	Unknown				
<input checked="" type="checkbox"/>	G11	blank	Unknown				
<input checked="" type="checkbox"/>	G12	blank	Unknown				
<input checked="" type="checkbox"/>	H1	blank	Unknown				
<input checked="" type="checkbox"/>	H2	blank	Unknown				
<input checked="" type="checkbox"/>	H3	blank	Unknown				
<input checked="" type="checkbox"/>	H4	blank	Unknown				
<input checked="" type="checkbox"/>	H5	blank	Unknown				
<input checked="" type="checkbox"/>	H6	blank	Unknown				
<input checked="" type="checkbox"/>	H7	blank	Unknown				
<input checked="" type="checkbox"/>	H8	blank	Unknown				
<input checked="" type="checkbox"/>	H9	blank	Unknown				
<input checked="" type="checkbox"/>	H10	blank	Unknown				
<input checked="" type="checkbox"/>	H11	blank	Unknown				
<input checked="" type="checkbox"/>	H12	blank	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty

### Amplification Curves



### Standard Curve



### Analysis Notes

Abs Quant/Fit Points for All Samples (Abs Quant/Fit Points)



## Settings

Channel	465-510					
Color Compensation	Off					
Standard Curve	Set Efficiency (2.00)					
Program	Program				Units	
First Cycle	1	Last Cycle	40	Background	2-6	
Noiseband Method	Auto	Noiseband	0.2576	STD Dev Multiplier	12.0000	
# of Fit Points	2	Threshold Method	Auto	Threshold	0.2576	

Subset Name	All Samples
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## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	25.05			
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	29.73			
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	32.85			
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	27.85			
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	26.51			
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	30.93			
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	22.76			
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	27.88			
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	30.77			
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	30.67			
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	24.34			
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	29.92			
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	26.26			
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	27.33			
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	27.97			
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	27.42			
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	32.75			
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	28.71			
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	26.87			
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	27.42			
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	27.64			
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	27.95			
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	27.49			
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	28.26			
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	30.38			
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	30.46			
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	31.22			

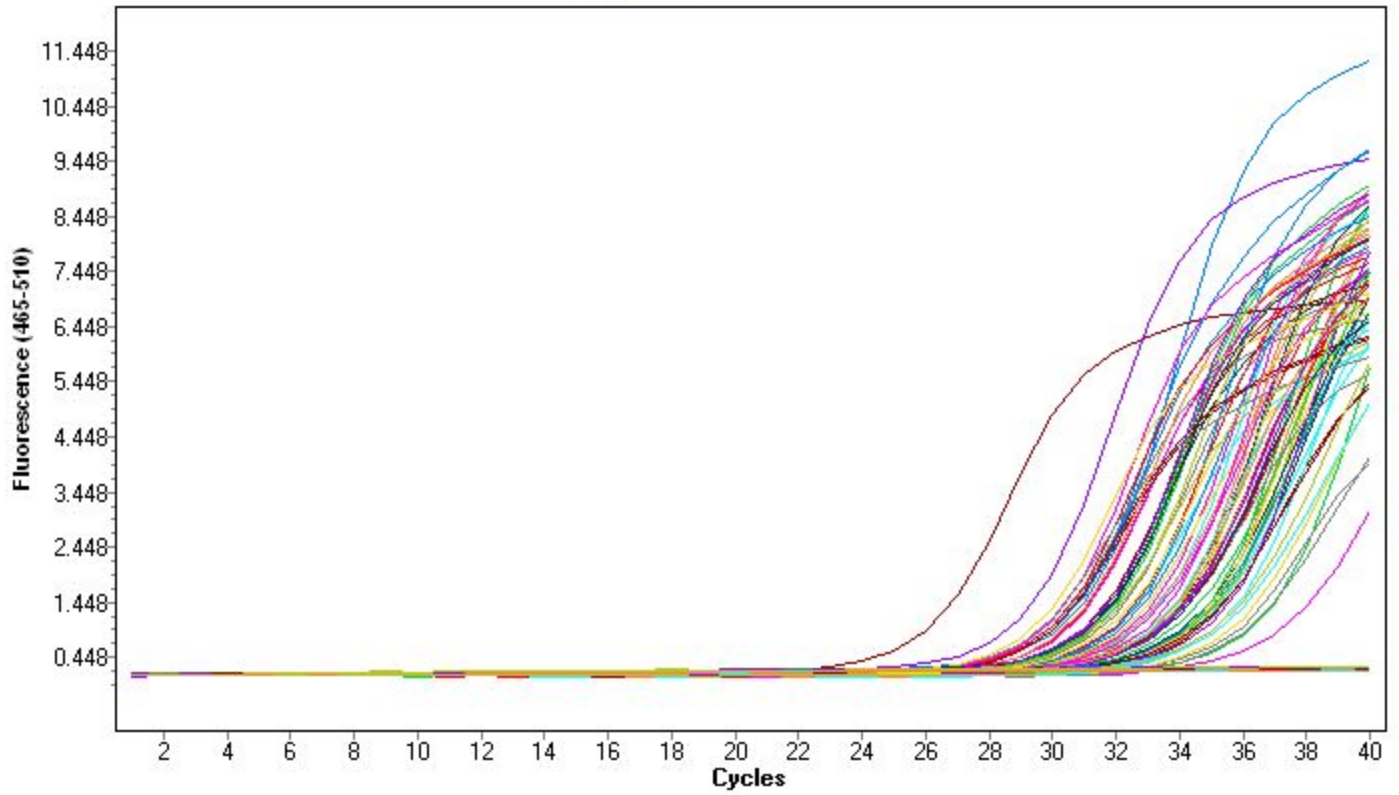
## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	33.81			
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	33.17			
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	32.75			
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	31.75			
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	31.48			
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	30.52			
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	29.48			
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	29.81			
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	28.79			
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	27.46			
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	28.57			
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	30.67			
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	29.46			
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	27.93			
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	30.73			
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	27.68			
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	29.95			
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	29.56			
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	29.74			
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	30.51			
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	27.34			
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	26.57			
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	26.64			
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	28.29			
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	26.65			
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	26.48			
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	26.32			
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	27.00			
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	30.23			
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	26.37			
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	27.48			
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	26.96			
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	28.52			
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	28.89			
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	30.37			
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	30.52			
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	29.64			

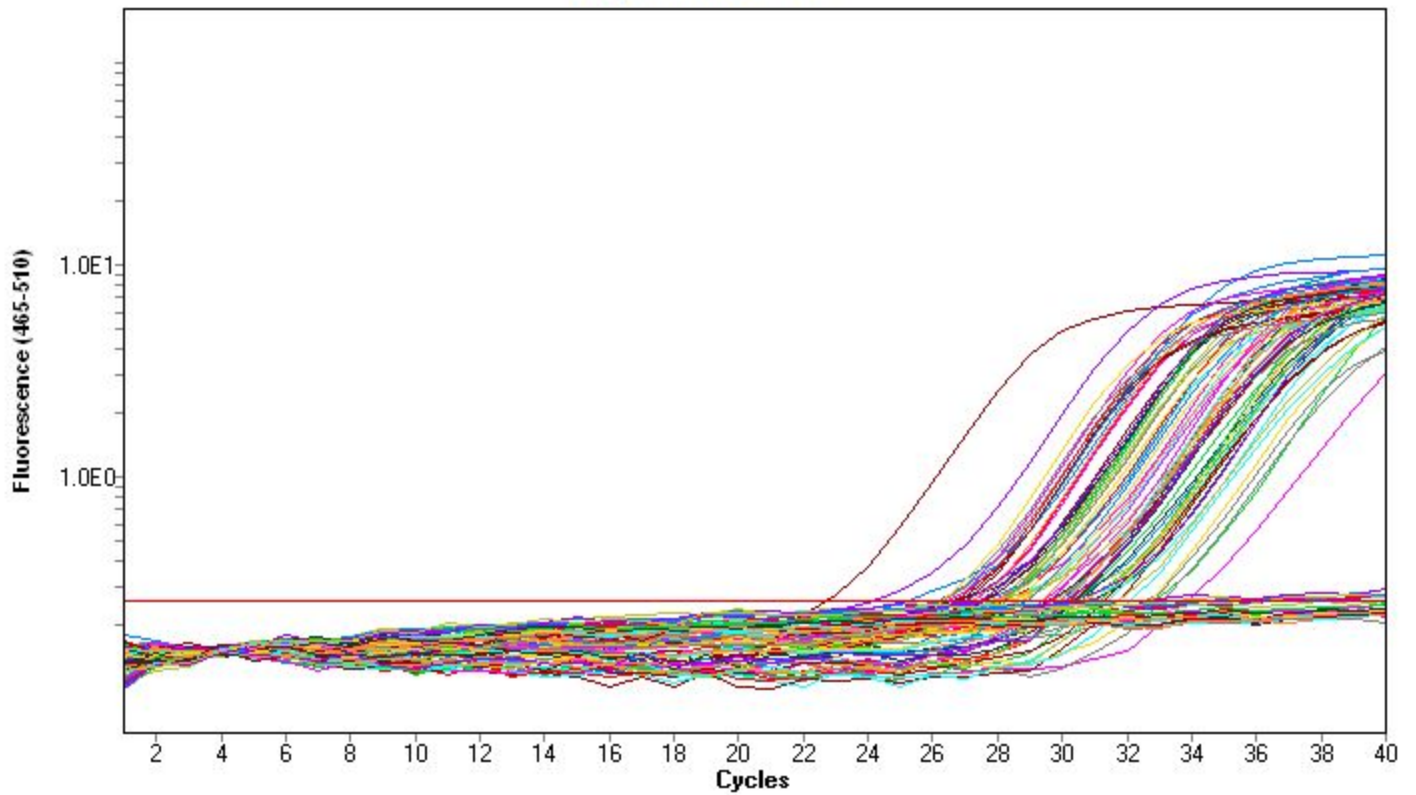
## Results

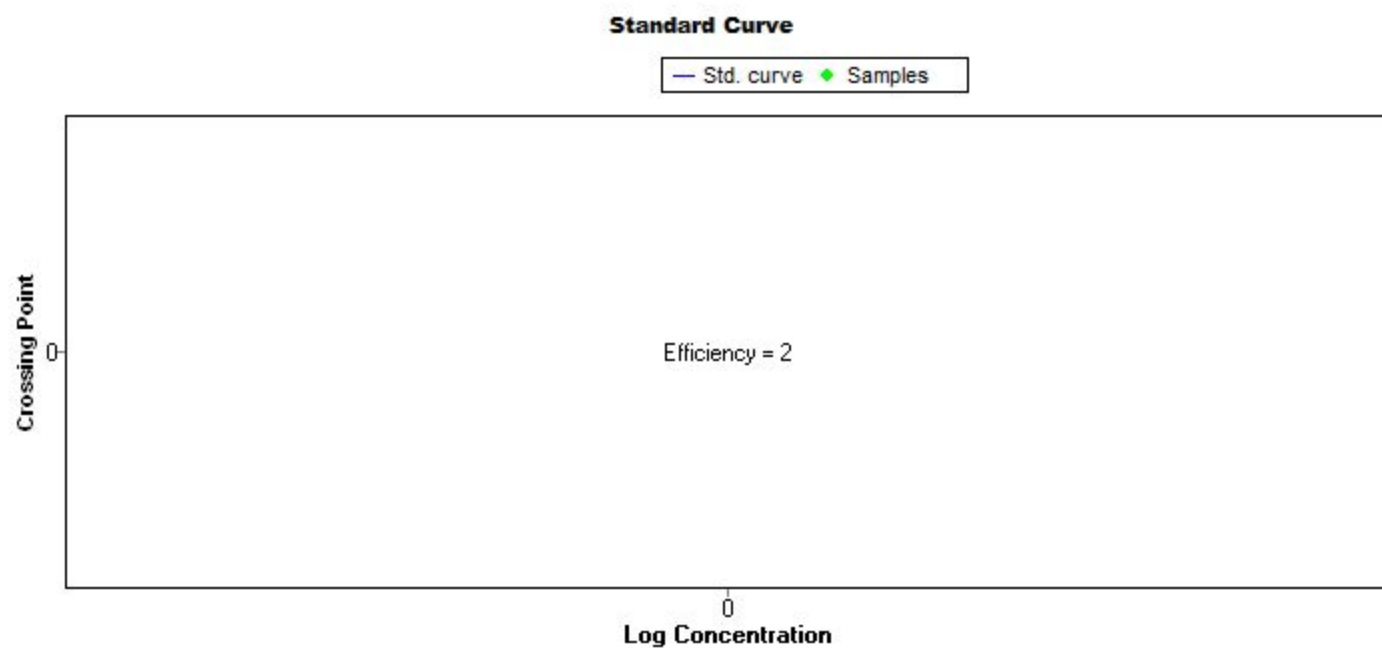
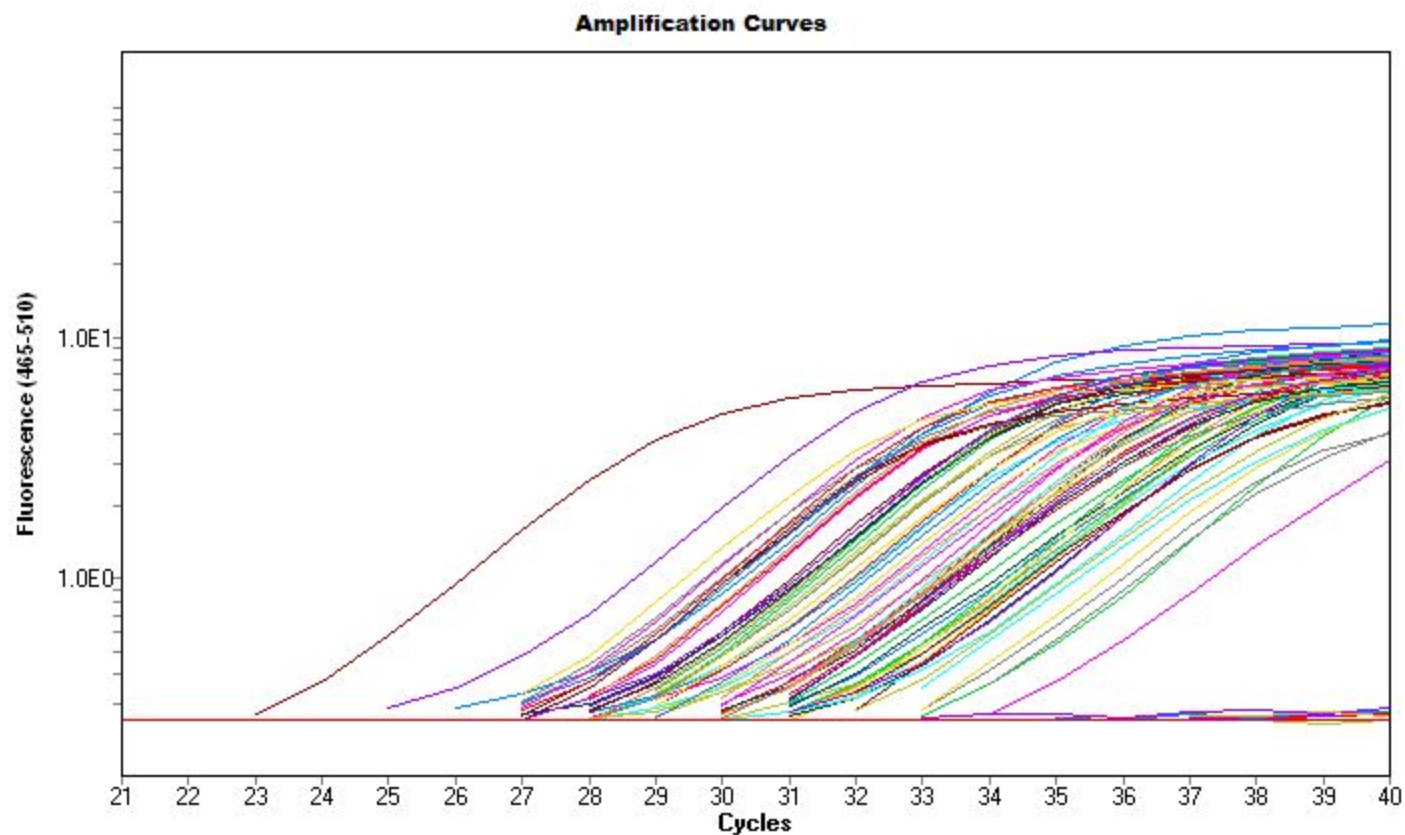
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	29.91			
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	28.65			
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	31.25			
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	32.28			
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	30.52			
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	30.19			
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	30.43			
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	31.65			
<input checked="" type="checkbox"/>	G1	blank	Unknown				
<input checked="" type="checkbox"/>	G2	blank	Unknown				
<input checked="" type="checkbox"/>	G3	blank	Unknown				
<input checked="" type="checkbox"/>	G4	blank	Unknown				
<input checked="" type="checkbox"/>	G5	blank	Unknown				
<input checked="" type="checkbox"/>	G6	blank	Unknown				
<input checked="" type="checkbox"/>	G7	blank	Unknown				
<input checked="" type="checkbox"/>	G8	blank	Unknown				
<input checked="" type="checkbox"/>	G9	blank	Unknown				
<input checked="" type="checkbox"/>	G10	blank	Unknown				
<input checked="" type="checkbox"/>	G11	blank	Unknown				
<input checked="" type="checkbox"/>	G12	blank	Unknown				
<input checked="" type="checkbox"/>	H1	blank	Unknown				
<input checked="" type="checkbox"/>	H2	blank	Unknown				
<input checked="" type="checkbox"/>	H3	blank	Unknown				
<input checked="" type="checkbox"/>	H4	blank	Unknown				
<input checked="" type="checkbox"/>	H5	blank	Unknown				
<input checked="" type="checkbox"/>	H6	blank	Unknown				
<input checked="" type="checkbox"/>	H7	blank	Unknown				
<input checked="" type="checkbox"/>	H8	blank	Unknown				
<input checked="" type="checkbox"/>	H9	blank	Unknown				
<input checked="" type="checkbox"/>	H10	blank	Unknown				
<input checked="" type="checkbox"/>	H11	blank	Unknown	32.17			
<input checked="" type="checkbox"/>	H12	blank	Unknown				

**Amplification Curves**



**Amplification Curves**





#### Analysis Notes

#### Gene Scanning for All Samples (Gene Scanning)

Channel	465-510	Color Compensation	Off
Program Name	Program		
Std's Settings	Auto-Group		
Sensitivity	0.30	Threshold (TmShift)	5.000
Pre-melt	69.99-70.99	Post-melt Temp	87.95-88.95

Subset Name	All Samples
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## Results

Inc	Pos.	Sample Name	Sample Type	Group	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	2	
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	Unknown	
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	Negative	
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	2	
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	5	
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	2	
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	5	
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	Unknown	
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	2	
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	Unknown	
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	5	
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	2	
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	4	
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	4	
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	3	
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	5	
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	Unknown	
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	6	
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	6	
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	Unknown	
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	4	
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	3	
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	3	
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	3	
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	Unknown	
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	1	
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	1	
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	Negative	
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	1	
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	Unknown	
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	1	

## Results

Inc	Pos.	Sample Name	Sample Type	Group	Status
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	1	
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	1	
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	1	
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	1	
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	Unknown	
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	2	
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	2	
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	2	
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	2	
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	2	
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	2	
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	Unknown	
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	2	
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	2	
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	2	
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	2	
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	2	
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	6	
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	4	
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	Unknown	
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	3	
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	4	
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	3	
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	Unknown	
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	3	
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	3	
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	Unknown	
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	3	
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	3	
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	1	
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	1	
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	1	
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	1	
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	1	
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	1	
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	1	
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	1	
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	1	

## Results

Inc	Pos.	Sample Name	Sample Type	Group	Status
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	Unknown	
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	Unknown	
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	Unknown	
<input checked="" type="checkbox"/>	G1	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G2	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G3	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G4	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G5	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G6	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G7	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G8	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G9	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G10	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G11	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	G12	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H1	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H2	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H3	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H4	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H5	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H6	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H7	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H8	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H9	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H10	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H11	blank	Unknown	Negative	
<input checked="" type="checkbox"/>	H12	blank	Unknown	Negative	

## Group 1

Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown



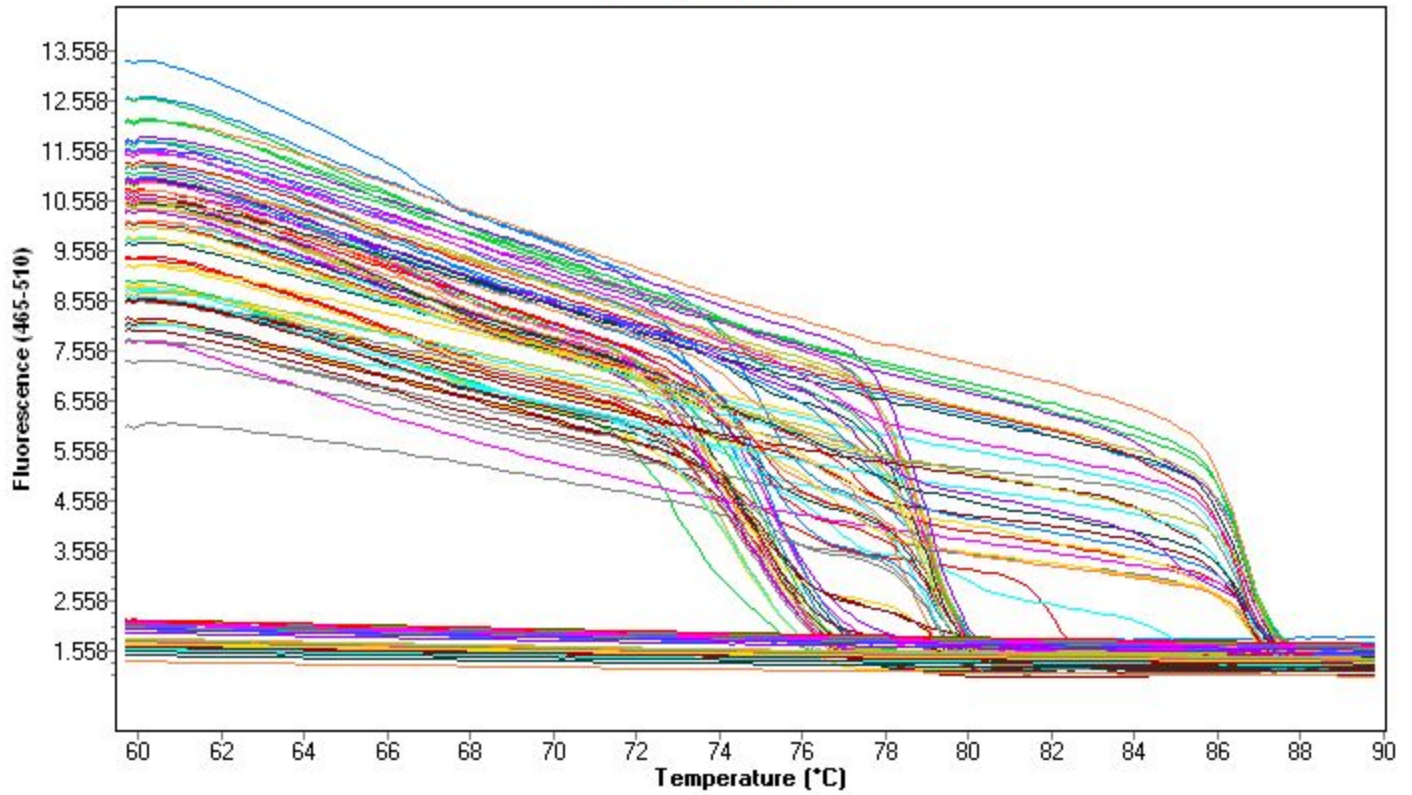
Group 1			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown
Group 2			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown
Group 3			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown

<b>Group</b> 4			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown
<b>Group</b> 5			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown
<b>Group</b> 6			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown
<b>Group</b> Negative			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown
<input checked="" type="checkbox"/>	G1	blank	Unknown
<input checked="" type="checkbox"/>	G2	blank	Unknown
<input checked="" type="checkbox"/>	G3	blank	Unknown
<input checked="" type="checkbox"/>	G4	blank	Unknown
<input checked="" type="checkbox"/>	G5	blank	Unknown
<input checked="" type="checkbox"/>	G6	blank	Unknown
<input checked="" type="checkbox"/>	G7	blank	Unknown
<input checked="" type="checkbox"/>	G8	blank	Unknown
<input checked="" type="checkbox"/>	G9	blank	Unknown
<input checked="" type="checkbox"/>	G10	blank	Unknown
<input checked="" type="checkbox"/>	G11	blank	Unknown
<input checked="" type="checkbox"/>	G12	blank	Unknown
<input checked="" type="checkbox"/>	H1	blank	Unknown
<input checked="" type="checkbox"/>	H2	blank	Unknown
<input checked="" type="checkbox"/>	H3	blank	Unknown
<input checked="" type="checkbox"/>	H4	blank	Unknown
<input checked="" type="checkbox"/>	H5	blank	Unknown

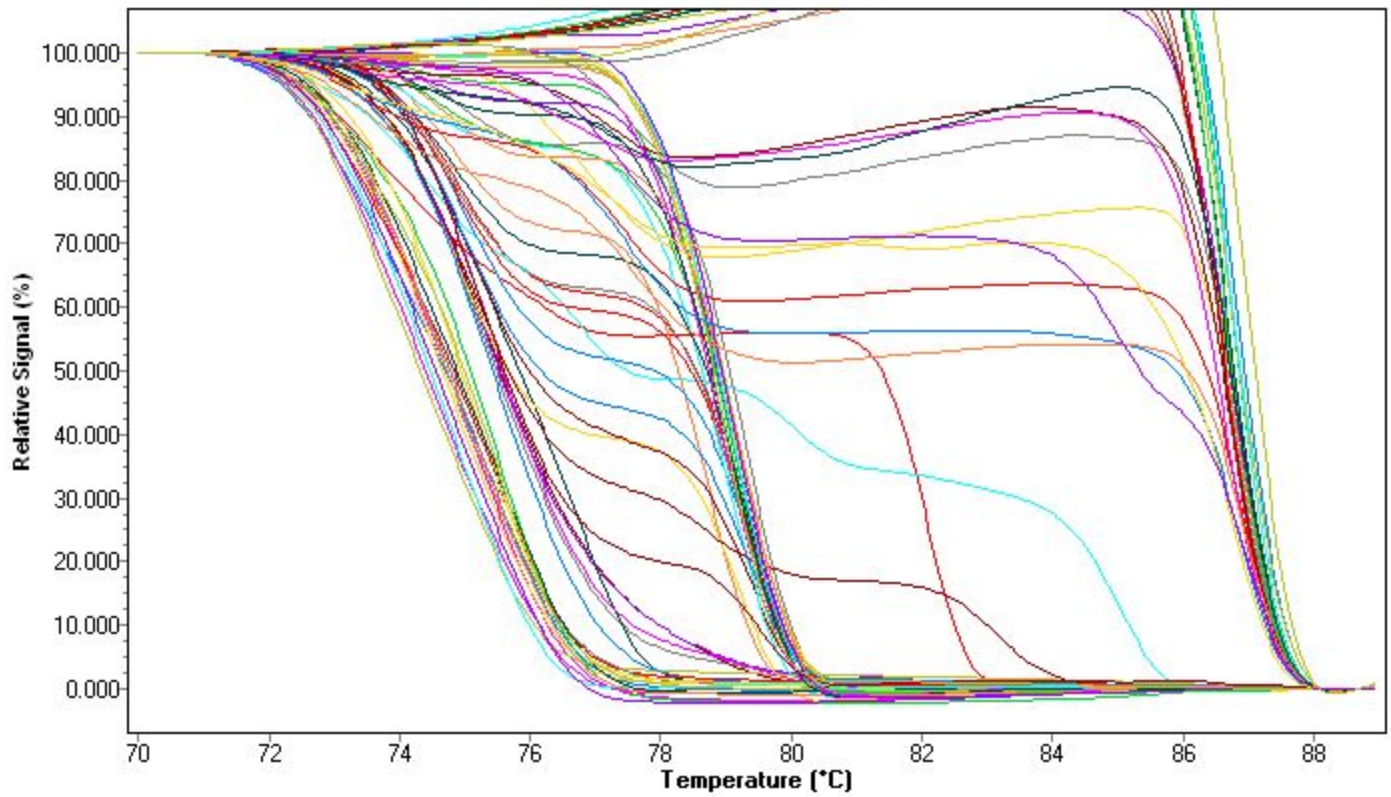
Group Negative			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	H6	blank	Unknown
<input checked="" type="checkbox"/>	H7	blank	Unknown
<input checked="" type="checkbox"/>	H8	blank	Unknown
<input checked="" type="checkbox"/>	H9	blank	Unknown
<input checked="" type="checkbox"/>	H10	blank	Unknown
<input checked="" type="checkbox"/>	H11	blank	Unknown
<input checked="" type="checkbox"/>	H12	blank	Unknown

Group Unknown			
Inc	Pos	Sample Name	Sample Type
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown

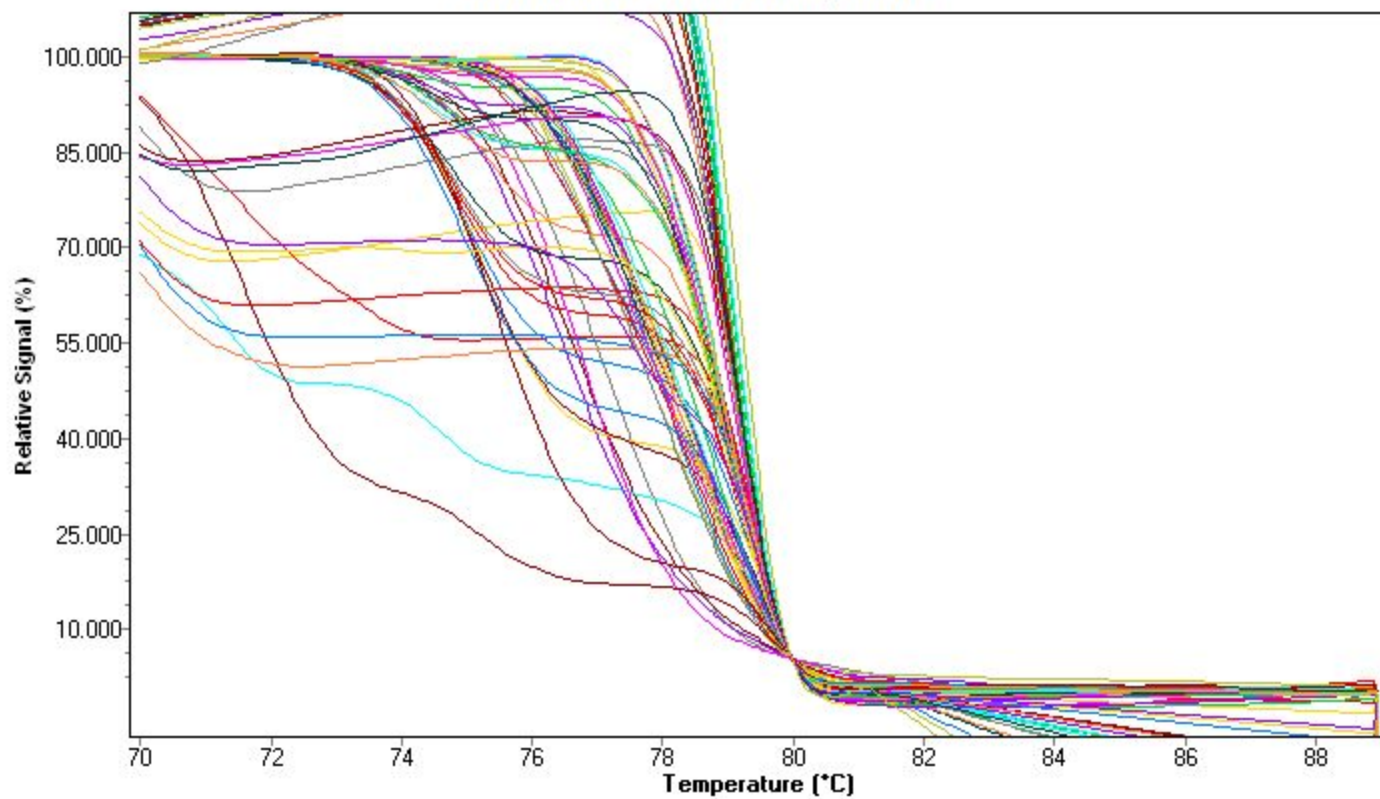
**Melting Curves**



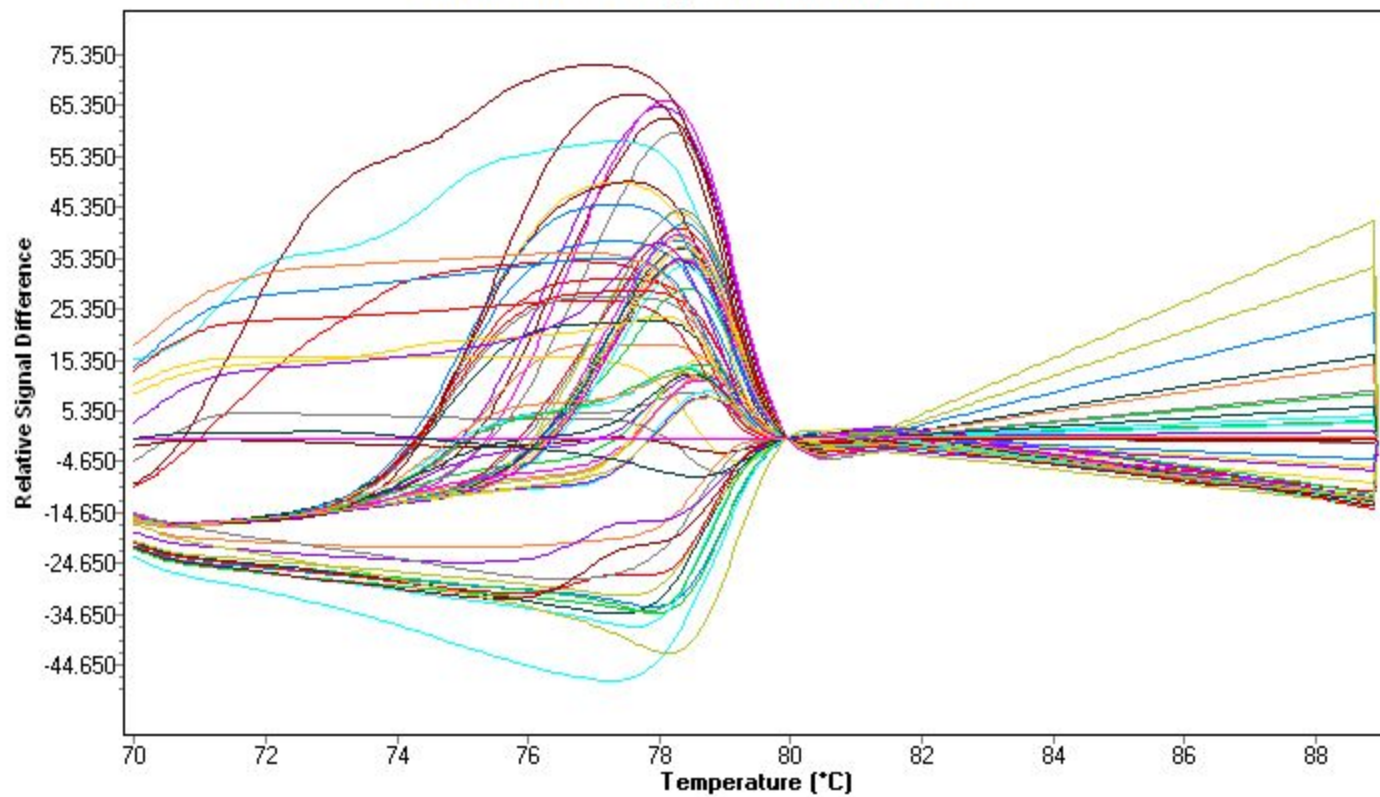
**Normalized Melting Curves**



**Normalized and Shifted Melting Curves**



**Normalized and Temp-Shifted Difference Plot**



Analysis Notes

## Melt Curve Genotyping for All Samples (Melt Curve Genotyping)

Channel	465-510	Color Compensation	Off
Program Name	Program		
Std's Settings	Auto-Group		
Sensitivity	Normal	Temp Range	62-86
Score	0.7	Res	0.1

Subset Name	All Samples
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### Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	1	0.99	0.51	
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	6	1.00	0.47	
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	1	0.98	0.78	
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	1	0.98	0.55	
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	1	0.98	0.42	
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	1	0.98	0.57	
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	1	0.98	0.36	
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	6	0.82	0.13	
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	1	0.98	0.36	
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	4	0.85	0.22	
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	1	0.96	0.31	
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	1	0.99	0.67	
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	4	0.97	0.42	
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	4	1.00	0.51	
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	3	0.98	0.60	
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	1	0.97	0.43	
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	3	0.81	0.17	
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	4	0.87	0.20	
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	4	0.86	0.16	
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	3	0.90	0.36	
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	4	0.95	0.43	
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	3	0.99	0.68	
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	3	0.96	0.51	
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	3	0.99	0.69	
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	2	0.99	0.36	
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	Unknown	0.77	0.05	
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	2	0.99	0.42	
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	2	0.90	0.47	
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	5	0.94	0.18	
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	5	0.84	0.14	
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	Unknown	0.90	0.03	

## Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	2	0.99	0.43	
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	2	1.00	0.37	
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	2	0.98	0.26	
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	2	0.96	0.20	
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	2	0.98	0.28	
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	1	0.99	0.46	
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	1	0.99	0.51	
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	1	0.98	0.47	
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	1	0.99	0.61	
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	1	0.98	0.52	
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	1	0.97	0.53	
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	Unknown	0.72	0.03	
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	1	0.99	0.63	
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	1	1.00	0.51	
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	1	0.99	0.55	
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	1	0.99	0.58	
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	1	0.98	0.50	
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	4	0.90	0.25	
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	4	0.99	0.49	
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	Unknown	0.77	0.07	
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	3	1.00	0.65	
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	4	0.96	0.49	
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	3	0.98	0.68	
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	1	0.91	0.28	
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	3	0.98	0.68	
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	3	0.95	0.47	
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	3	0.81	0.16	
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	3	0.99	0.68	
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	3	0.98	0.70	
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	5	0.83	0.12	
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	2	0.98	0.33	
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	2	0.99	0.43	
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	Unknown	0.88	0.01	
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	2	0.97	0.31	
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	5	0.88	0.10	
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	2	0.98	0.38	
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	2	0.97	0.49	
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	Unknown	0.85		

## Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	Unknown	0.79	0.09	
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	5	1.00	0.37	
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	2	0.98	0.34	
<input checked="" type="checkbox"/>	G1	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G2	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G3	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G4	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G5	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G6	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G7	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G8	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G9	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G10	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G11	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G12	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H1	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H2	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H3	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H4	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H5	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H6	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H7	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H8	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H9	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H10	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H11	blank	Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H12	blank	Unknown	Negative	1.00	1.00	

## Group 1

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	0.99	0.51	
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	0.98	0.78	
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	0.98	0.55	
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	0.98	0.42	
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	0.98	0.57	
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	0.98	0.36	
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	0.98	0.36	
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	0.96	0.31	



Group 1						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	0.99	0.67	
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	0.97	0.43	
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	0.99	0.46	
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	0.99	0.51	
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	0.98	0.47	
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	0.99	0.61	
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	0.98	0.52	
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	0.97	0.53	
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	0.99	0.63	
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	1.00	0.51	
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	0.99	0.55	
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	0.99	0.58	
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	0.98	0.50	
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	0.91	0.28	

Group 2						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	0.99	0.36	
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	0.99	0.42	
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	0.90	0.47	
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	0.99	0.43	
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	1.00	0.37	
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	0.98	0.26	
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	0.96	0.20	
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	0.98	0.28	
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	0.98	0.33	
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	0.99	0.43	
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	0.97	0.31	
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	0.98	0.38	
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	0.97	0.49	
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	0.98	0.34	

Group 3						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	0.98	0.60	
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	0.81	0.17	
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	0.90	0.36	
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	0.99	0.68	

**Group 3**

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	0.96	0.51	
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	0.99	0.69	
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	1.00	0.65	
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	0.98	0.68	
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	0.98	0.68	
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	0.95	0.47	
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	0.81	0.16	
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	0.99	0.68	
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	0.98	0.70	

**Group 4**

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	0.85	0.22	
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	0.97	0.42	
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	1.00	0.51	
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	0.87	0.20	
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	0.86	0.16	
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	0.95	0.43	
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	0.90	0.25	
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	0.99	0.49	
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	0.96	0.49	

**Group 5**

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	0.94	0.18	
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	0.84	0.14	
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	0.83	0.12	
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	0.88	0.10	
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	1.00	0.37	

**Group 6**

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	1.00	0.47	
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	0.82	0.13	

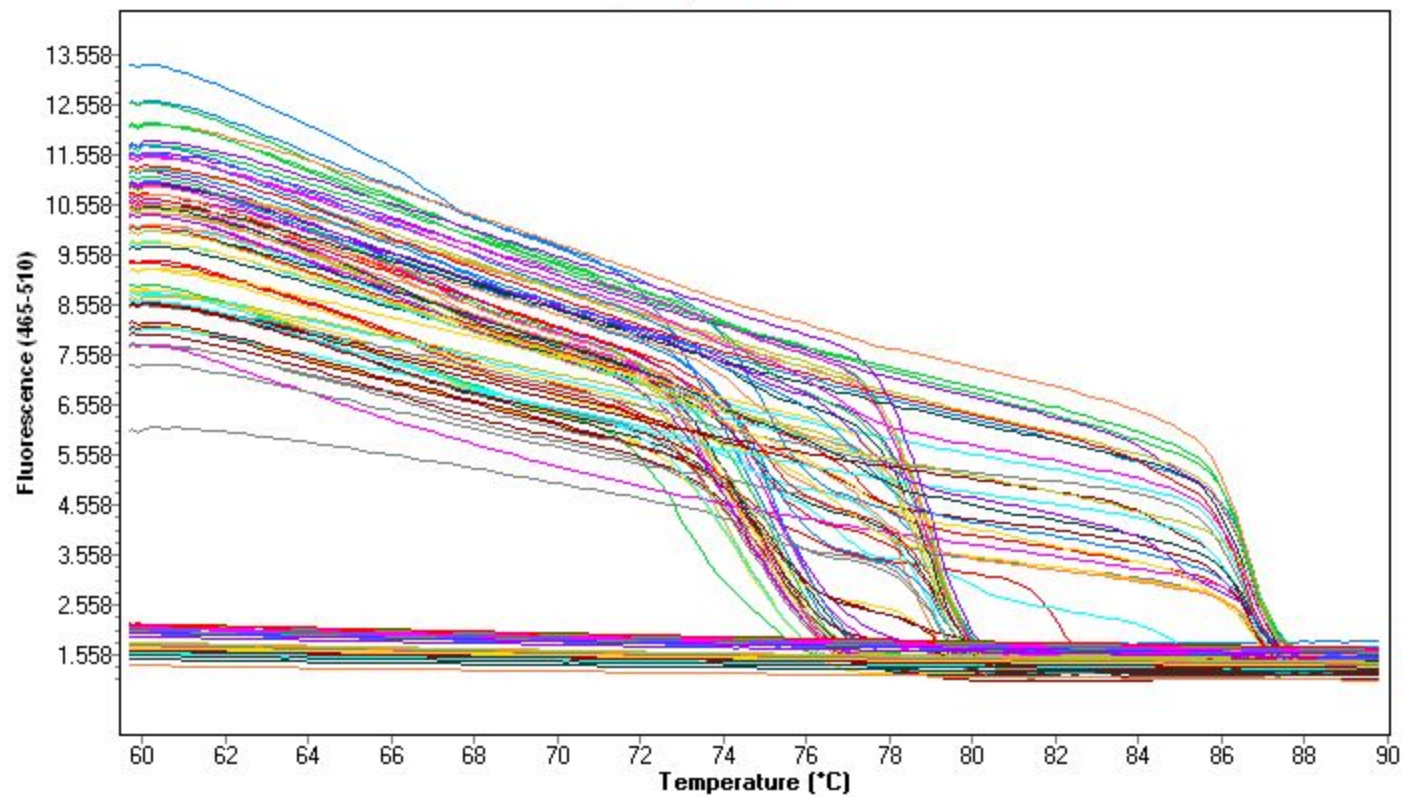
**Group Negative**

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
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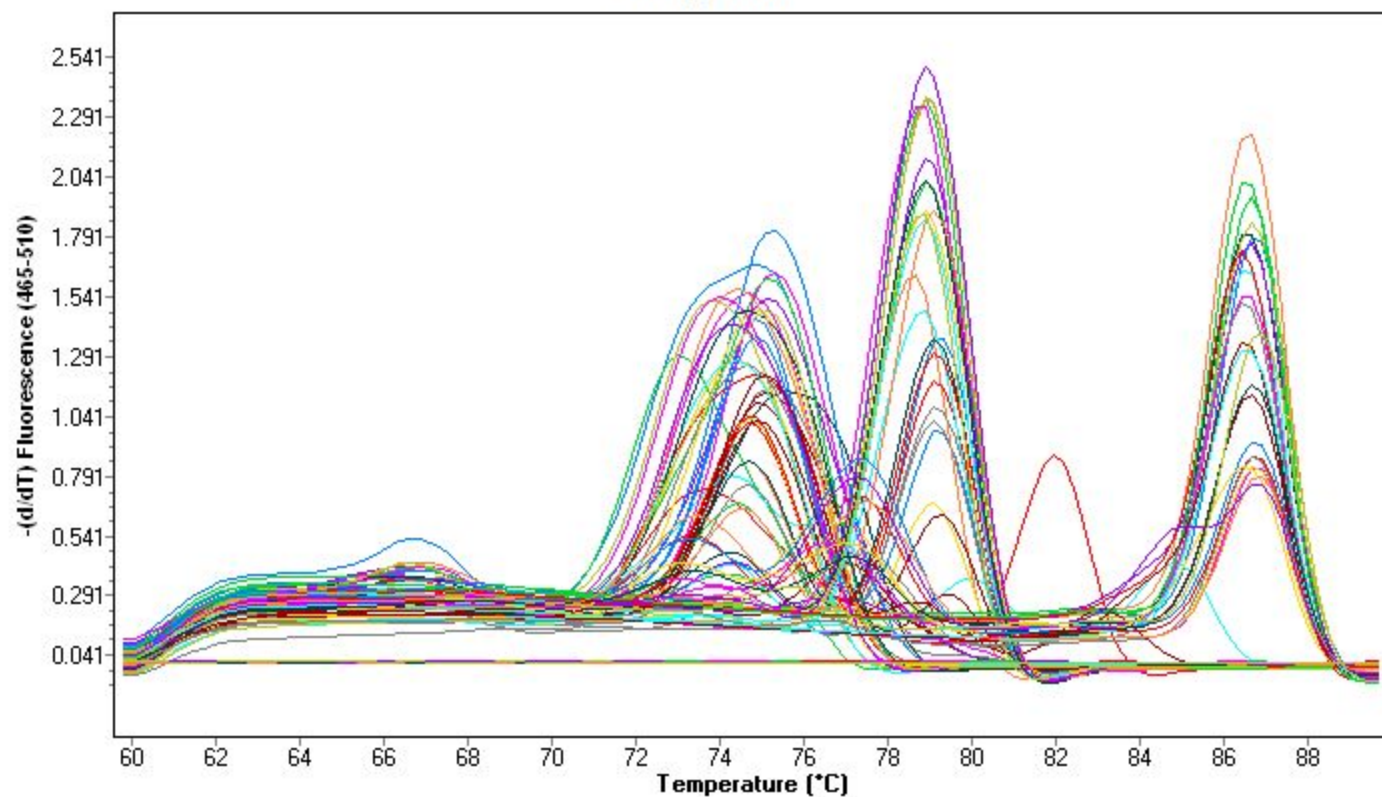
Group Negative						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	G1	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G2	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G3	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G4	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G5	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G6	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G7	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G8	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G9	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G10	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G11	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G12	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H1	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H2	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H3	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H4	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H5	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H6	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H7	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H8	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H9	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H10	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H11	blank	Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	H12	blank	Unknown	1.00	1.00	

Group Unknown						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	0.77	0.05	
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	0.90	0.03	
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	0.72	0.03	
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	0.77	0.07	
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	0.88	0.01	
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	0.85		
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	0.79	0.09	

### Melting Curves



### Melting Peaks



### Analysis Notes

## Tm Calling for All Samples (Tm Calling)

### Settings

Channel	465-510	Color Compensation	Off
Program	Program		
Show Shoulders	False	Chemistry	HybProbe
		Max Peaks	2
Subset Name	All Samples		

### Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	A1	GAPDH 9	74.51	8.16	4.45	1.84					
<input checked="" type="checkbox"/>	A2	GAPDH 9	74.13	1.62	2.71	0.60	82.07	2.19	2.43	0.90	
<input checked="" type="checkbox"/>	A3	GAPDH 9	65.16	2.14	8.23	0.26	73.33	4.89	3.82	1.28	
<input checked="" type="checkbox"/>	A4	GAPDH 10	74.61	6.39	3.89	1.64					
<input checked="" type="checkbox"/>	A5	GAPDH 10	75.42	3.77	3.26	1.16					
<input checked="" type="checkbox"/>	A6	GAPDH 10	74.44	5.01	3.75	1.34					
<input checked="" type="checkbox"/>	A7	GAPDH 11	75.17	3.84	3.58	1.07					
<input checked="" type="checkbox"/>	A8	GAPDH 11	74.33	2.96	4.41	0.67					
<input checked="" type="checkbox"/>	A9	GAPDH 11	75.90	4.38	3.57	1.23					
<input checked="" type="checkbox"/>	A10	GAPDH 12	74.65	1.40	2.01	0.70	78.63	3.74	2.21	1.69	
<input checked="" type="checkbox"/>	A11	GAPDH 12	75.17	5.34	3.65	1.47					
<input checked="" type="checkbox"/>	A12	GAPDH 12	74.01	6.01	3.73	1.61					
<input checked="" type="checkbox"/>	B1	FCER1A 9	74.95	3.22	2.32	1.39	79.30	3.41	2.29	1.49	
<input checked="" type="checkbox"/>	B2	FCER1A 9	74.78	1.92	2.15	0.89	79.21	2.86	2.32	1.23	
<input checked="" type="checkbox"/>	B3	FCER1A 9	78.90	5.87	2.39	2.46					
<input checked="" type="checkbox"/>	B4	FCER1A 10	75.42	4.76	3.00	1.59					
<input checked="" type="checkbox"/>	B5	FCER1A 10	74.57	0.55	2.28	0.24	79.20	2.54	2.26	1.13	
<input checked="" type="checkbox"/>	B6	FCER1A 10	74.79	2.64	2.49	1.06	79.13	1.72	2.20	0.78	
<input checked="" type="checkbox"/>	B7	FCER1A 11	75.06	2.71	2.58	1.05	79.32	1.68	2.35	0.72	
<input checked="" type="checkbox"/>	B8	FCER1A 11	74.11	0.56	1.94	0.29	78.82	3.65	2.38	1.53	
<input checked="" type="checkbox"/>	B9	FCER1A 11	74.66	1.58	2.21	0.72	79.17	3.29	2.31	1.42	
<input checked="" type="checkbox"/>	B10	FCER1A 12	78.98	5.94	2.41	2.47					
<input checked="" type="checkbox"/>	B11	FCER1A 12	74.10	0.38	1.63	0.23	78.96	5.19	2.35	2.21	
<input checked="" type="checkbox"/>	B12	FCER1A 12	78.98	5.89	2.38	2.47					
<input checked="" type="checkbox"/>	C1	RGS1 9									
<input checked="" type="checkbox"/>	C2	RGS1 9	76.24	1.64	4.31	0.38					
<input checked="" type="checkbox"/>	C3	RGS1 9									
<input checked="" type="checkbox"/>	C4	RGS1 10	66.09	0.73	5.27	0.14					
<input checked="" type="checkbox"/>	C5	RGS1 10	77.40	0.40	1.11	0.36					

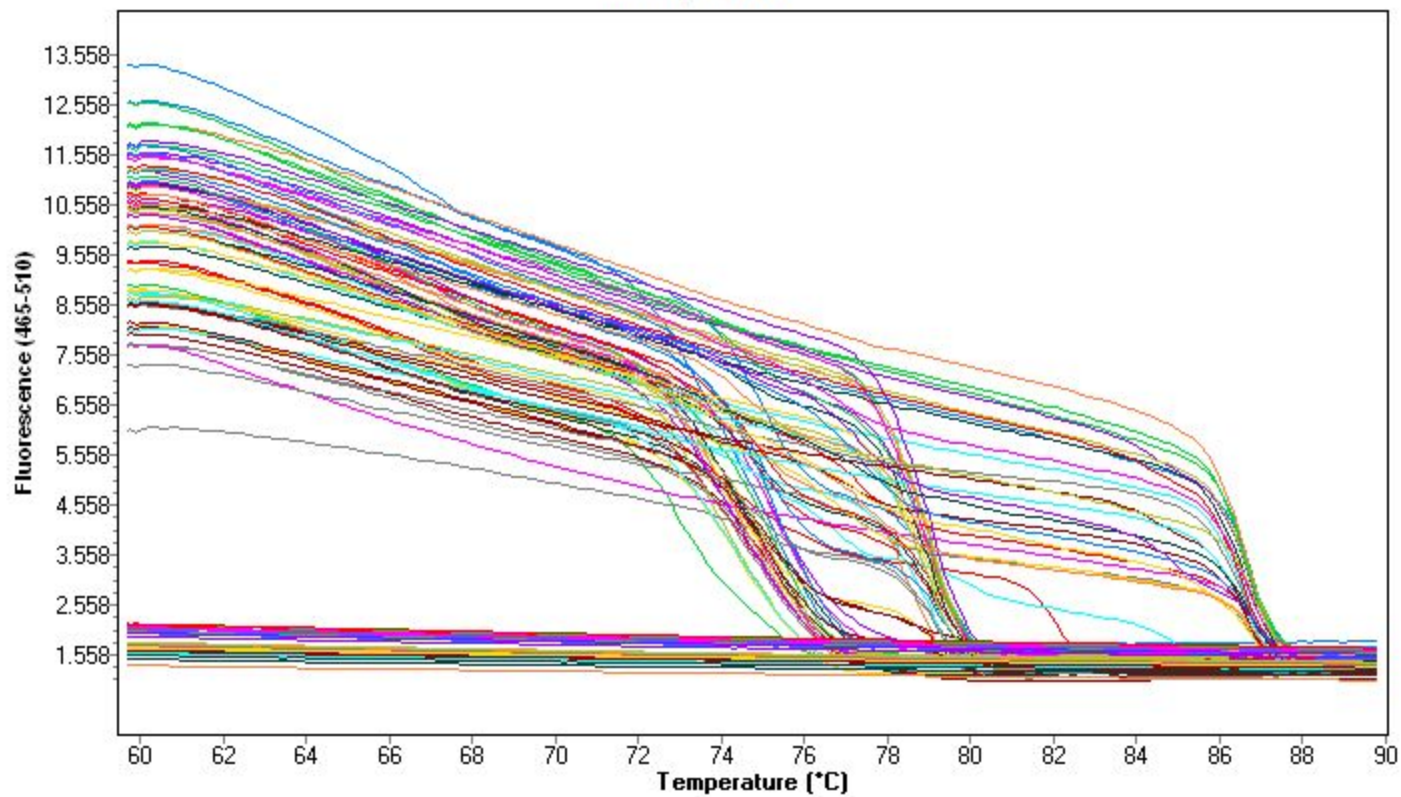
## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	C6	RGS1 10	76.63	0.82	1.53	0.53					
<input checked="" type="checkbox"/>	C7	RGS1 1									
<input checked="" type="checkbox"/>	C8	RGS1 1	86.61	4.24	2.44	1.74					
<input checked="" type="checkbox"/>	C9	RGS1 1	86.63	4.61	2.45	1.88					
<input checked="" type="checkbox"/>	C10	RGS1 12	86.65	5.57	2.41	2.31					
<input checked="" type="checkbox"/>	C11	RGS1 12									
<input checked="" type="checkbox"/>	C12	RGS1 12									
<input checked="" type="checkbox"/>	D1	GAPDH 13	66.18	3.24	8.45	0.38	75.17	6.60	3.66	1.80	
<input checked="" type="checkbox"/>	D2	GAPDH 13	74.63	5.49	4.20	1.31					
<input checked="" type="checkbox"/>	D3	GAPDH 13	75.22	5.47	3.32	1.65					
<input checked="" type="checkbox"/>	D4	GAPDH 14	65.87	2.50	7.37	0.34	74.18	6.38	3.92	1.63	
<input checked="" type="checkbox"/>	D5	GAPDH 14	74.61	5.09	3.88	1.31					
<input checked="" type="checkbox"/>	D6	GAPDH 14	74.87	5.42	3.52	1.54					
<input checked="" type="checkbox"/>	D7	GAPDH 15	65.50	2.10	9.22	0.23	74.91	3.29	3.36	0.98	
<input checked="" type="checkbox"/>	D8	GAPDH 15	74.33	5.01	3.70	1.35					
<input checked="" type="checkbox"/>	D9	GAPDH 15	74.71	6.32	3.98	1.59					
<input checked="" type="checkbox"/>	D10	GAPDH 16	66.33	2.79	7.63	0.37	74.52	6.24	3.76	1.66	
<input checked="" type="checkbox"/>	D11	GAPDH 16	74.39	5.83	3.85	1.52					
<input checked="" type="checkbox"/>	D12	GAPDH 16	74.89	5.89	3.87	1.52					
<input checked="" type="checkbox"/>	E1	FCER1A 13	74.97	3.48	2.47	1.41	79.28	2.57	2.30	1.12	
<input checked="" type="checkbox"/>	E2	FCER1A 13	74.78	1.96	2.16	0.91	79.21	3.17	2.34	1.35	
<input checked="" type="checkbox"/>	E3	FCER1A 13	74.42	0.92	2.07	0.45	78.97	5.11	2.43	2.10	
<input checked="" type="checkbox"/>	E4	FCER1A 14	78.78	5.96	2.45	2.43					
<input checked="" type="checkbox"/>	E5	FCER1A 14	74.69	1.46	2.20	0.66	79.14	2.39	2.26	1.06	
<input checked="" type="checkbox"/>	E6	FCER1A 14	78.90	4.91	2.49	1.97					
<input checked="" type="checkbox"/>	E7	FCER1A 15	75.17	4.10	3.49	1.17					
<input checked="" type="checkbox"/>	E8	FCER1A 15	78.84	4.79	2.47	1.94					
<input checked="" type="checkbox"/>	E9	FCER1A 15	74.06	0.54	1.94	0.28	78.91	5.12	2.42	2.11	
<input checked="" type="checkbox"/>	E10	FCER1A 16	74.45	0.95	1.97	0.48	79.14	4.64	2.34	1.99	
<input checked="" type="checkbox"/>	E11	FCER1A 16	78.96	6.16	2.37	2.60					
<input checked="" type="checkbox"/>	E12	FCER1A 16	78.79	4.48	2.29	1.96					
<input checked="" type="checkbox"/>	F1	RGS1 13	76.95	1.46	2.45	0.60					
<input checked="" type="checkbox"/>	F2	RGS1 13	86.54	4.81	2.61	1.84					
<input checked="" type="checkbox"/>	F3	RGS1 13	86.64	5.18	2.42	2.14					
<input checked="" type="checkbox"/>	F4	RGS1 14	86.66	4.47	2.67	1.67					
<input checked="" type="checkbox"/>	F5	RGS1 14	86.55	4.09	2.52	1.62					

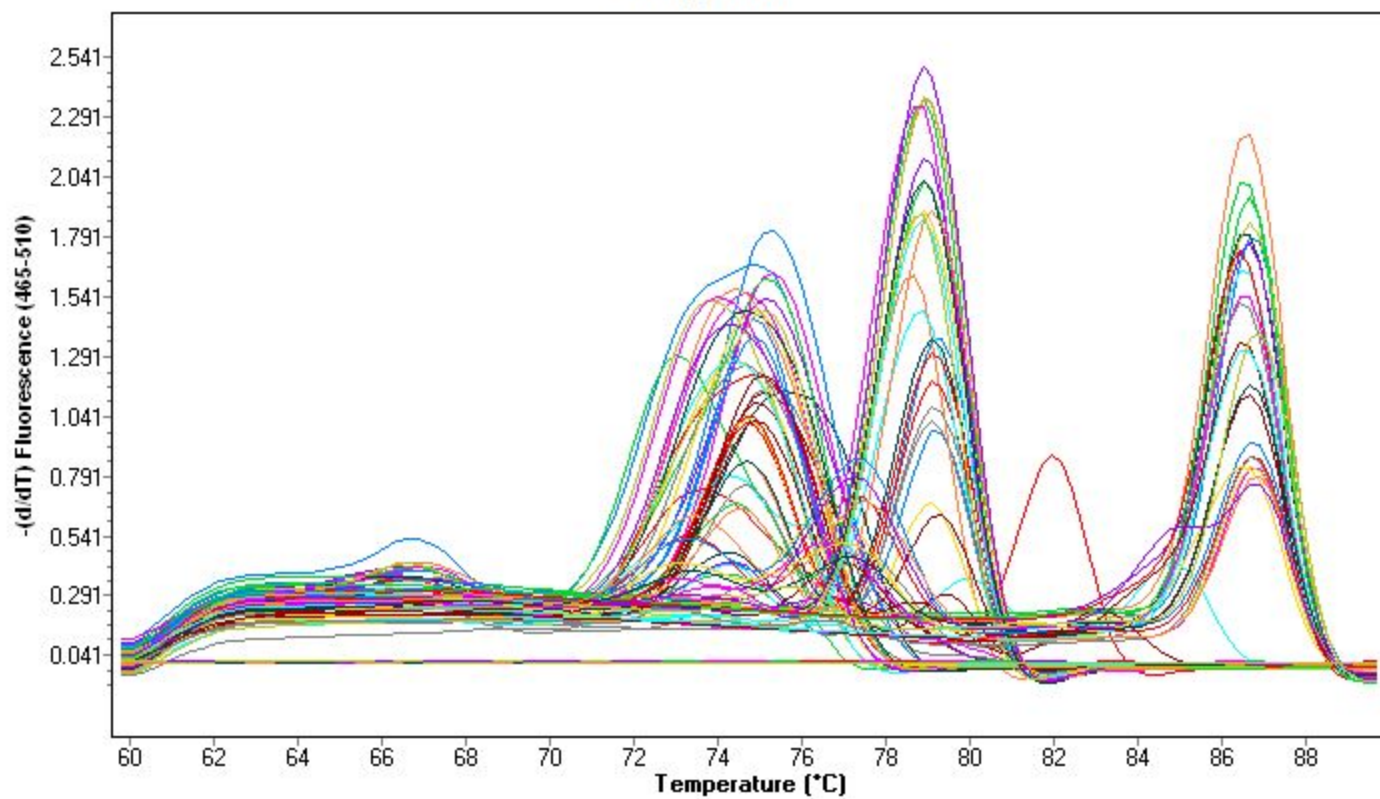
## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	F6	RGS1 14	75.98	1.45	4.74	0.31	86.64	3.25	3.54	0.92	
<input checked="" type="checkbox"/>	F7	RGS1 15	86.59	4.20	2.91	1.44					
<input checked="" type="checkbox"/>	F8	RGS1 15	86.65	3.87	2.72	1.43					
<input checked="" type="checkbox"/>	F9	RGS1 15	75.58	1.16	4.75	0.24					
<input checked="" type="checkbox"/>	F10	RGS1 16	76.42	2.47	6.20	0.40					
<input checked="" type="checkbox"/>	F11	RGS1 16	77.28	0.88	1.18	0.75					
<input checked="" type="checkbox"/>	F12	RGS1 16									
<input checked="" type="checkbox"/>	G1	blank									
<input checked="" type="checkbox"/>	G2	blank									
<input checked="" type="checkbox"/>	G3	blank									
<input checked="" type="checkbox"/>	G4	blank									
<input checked="" type="checkbox"/>	G5	blank									
<input checked="" type="checkbox"/>	G6	blank									
<input checked="" type="checkbox"/>	G7	blank									
<input checked="" type="checkbox"/>	G8	blank									
<input checked="" type="checkbox"/>	G9	blank									
<input checked="" type="checkbox"/>	G10	blank									
<input checked="" type="checkbox"/>	G11	blank									
<input checked="" type="checkbox"/>	G12	blank									
<input checked="" type="checkbox"/>	H1	blank									
<input checked="" type="checkbox"/>	H2	blank									
<input checked="" type="checkbox"/>	H3	blank									
<input checked="" type="checkbox"/>	H4	blank									
<input checked="" type="checkbox"/>	H5	blank									
<input checked="" type="checkbox"/>	H6	blank									
<input checked="" type="checkbox"/>	H7	blank									
<input checked="" type="checkbox"/>	H8	blank									
<input checked="" type="checkbox"/>	H9	blank									
<input checked="" type="checkbox"/>	H10	blank									
<input checked="" type="checkbox"/>	H11	blank									
<input checked="" type="checkbox"/>	H12	blank									

### Melting Curves



### Melting Peaks



### Analysis Notes



## Abs Quant/2nd Derivative Max for All Samples (1) (Abs Quant/2nd Derivative Max)

### Settings

Channel	465-510		
Color Compensation	Off		
Program	Program	Units	
Mode	High Confidence		

Subset Name	All Samples
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### Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	GAPDH 9	Unknown	30.70			
<input checked="" type="checkbox"/>	A2	GAPDH 9	Unknown	32.82			
<input checked="" type="checkbox"/>	A3	GAPDH 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	A4	GAPDH 10	Unknown	32.35			
<input checked="" type="checkbox"/>	A5	GAPDH 10	Unknown	29.30			
<input checked="" type="checkbox"/>	A6	GAPDH 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	A7	GAPDH 11	Unknown	25.51			
<input checked="" type="checkbox"/>	A8	GAPDH 11	Unknown	32.47			
<input checked="" type="checkbox"/>	A9	GAPDH 11	Unknown	35.00			>
<input checked="" type="checkbox"/>	A10	GAPDH 12	Unknown	35.00			>
<input checked="" type="checkbox"/>	A11	GAPDH 12	Unknown	28.74			
<input checked="" type="checkbox"/>	A12	GAPDH 12	Unknown	35.00			>
<input checked="" type="checkbox"/>	B1	FCER1A 9	Unknown	30.00			
<input checked="" type="checkbox"/>	B2	FCER1A 9	Unknown	29.91			
<input checked="" type="checkbox"/>	B3	FCER1A 9	Unknown	31.11			
<input checked="" type="checkbox"/>	B4	FCER1A 10	Unknown	30.02			
<input checked="" type="checkbox"/>	B5	FCER1A 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	B6	FCER1A 10	Unknown	31.51			
<input checked="" type="checkbox"/>	B7	FCER1A 11	Unknown	29.17			
<input checked="" type="checkbox"/>	B8	FCER1A 11	Unknown	31.13			
<input checked="" type="checkbox"/>	B9	FCER1A 11	Unknown	30.67			
<input checked="" type="checkbox"/>	B10	FCER1A 12	Unknown	30.94			
<input checked="" type="checkbox"/>	B11	FCER1A 12	Unknown	30.75			
<input checked="" type="checkbox"/>	B12	FCER1A 12	Unknown	31.26			
<input checked="" type="checkbox"/>	C1	RGS1 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	C2	RGS1 9	Unknown	33.00			
<input checked="" type="checkbox"/>	C3	RGS1 9	Unknown	35.00			>
<input checked="" type="checkbox"/>	C4	RGS1 10	Unknown	35.00			>

> - Late Cp call (last five cycles) has higher uncertainty

## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C5	RGS1 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	C6	RGS1 10	Unknown	35.00			>
<input checked="" type="checkbox"/>	C7	RGS1 1	Unknown	34.54			
<input checked="" type="checkbox"/>	C8	RGS1 1	Unknown	35.00			>
<input checked="" type="checkbox"/>	C9	RGS1 1	Unknown	35.00			>
<input checked="" type="checkbox"/>	C10	RGS1 12	Unknown	32.67			
<input checked="" type="checkbox"/>	C11	RGS1 12	Unknown	33.81			
<input checked="" type="checkbox"/>	C12	RGS1 12	Unknown	33.44			
<input checked="" type="checkbox"/>	D1	GAPDH 13	Unknown	32.05			
<input checked="" type="checkbox"/>	D2	GAPDH 13	Unknown	31.62			
<input checked="" type="checkbox"/>	D3	GAPDH 13	Unknown	35.00			>
<input checked="" type="checkbox"/>	D4	GAPDH 14	Unknown	32.88			
<input checked="" type="checkbox"/>	D5	GAPDH 14	Unknown	31.08			
<input checked="" type="checkbox"/>	D6	GAPDH 14	Unknown	35.00			>
<input checked="" type="checkbox"/>	D7	GAPDH 15	Unknown	30.57			
<input checked="" type="checkbox"/>	D8	GAPDH 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	D9	GAPDH 15	Unknown	33.36			
<input checked="" type="checkbox"/>	D10	GAPDH 16	Unknown	33.20			
<input checked="" type="checkbox"/>	D11	GAPDH 16	Unknown	35.00			>
<input checked="" type="checkbox"/>	D12	GAPDH 16	Unknown	33.35			
<input checked="" type="checkbox"/>	E1	FCER1A 13	Unknown	29.81			
<input checked="" type="checkbox"/>	E2	FCER1A 13	Unknown	29.49			
<input checked="" type="checkbox"/>	E3	FCER1A 13	Unknown	31.04			
<input checked="" type="checkbox"/>	E4	FCER1A 14	Unknown	29.49			
<input checked="" type="checkbox"/>	E5	FCER1A 14	Unknown	28.67			
<input checked="" type="checkbox"/>	E6	FCER1A 14	Unknown	28.74			
<input checked="" type="checkbox"/>	E7	FCER1A 15	Unknown	29.11			
<input checked="" type="checkbox"/>	E8	FCER1A 15	Unknown	32.33			
<input checked="" type="checkbox"/>	E9	FCER1A 15	Unknown	30.88			
<input checked="" type="checkbox"/>	E10	FCER1A 16	Unknown	29.97			
<input checked="" type="checkbox"/>	E11	FCER1A 16	Unknown	30.96			
<input checked="" type="checkbox"/>	E12	FCER1A 16	Unknown	30.64			
<input checked="" type="checkbox"/>	F1	RGS1 13	Unknown	31.90			
<input checked="" type="checkbox"/>	F2	RGS1 13	Unknown	33.90			
<input checked="" type="checkbox"/>	F3	RGS1 13	Unknown	35.00			>
<input checked="" type="checkbox"/>	F4	RGS1 14	Unknown	32.42			
<input checked="" type="checkbox"/>	F5	RGS1 14	Unknown	32.70			

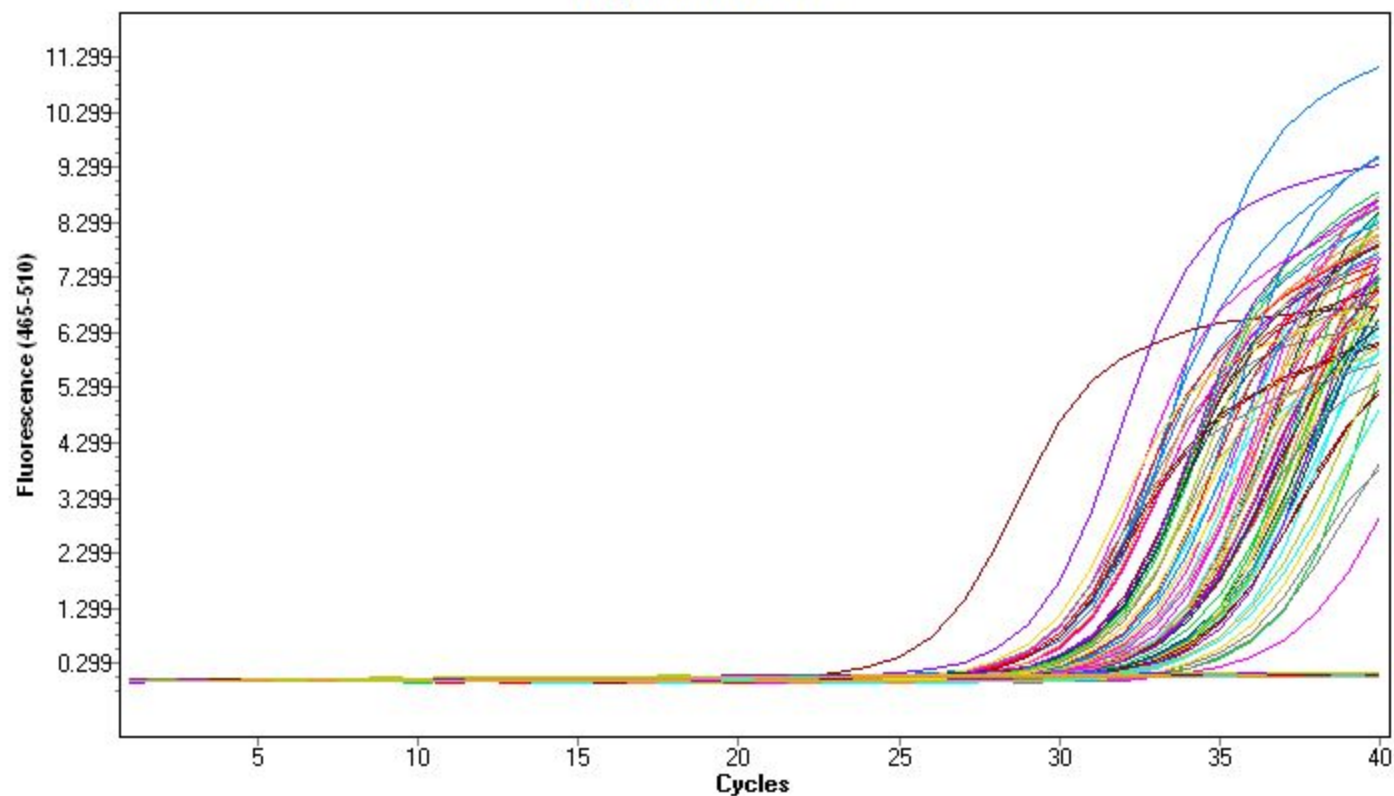
> - Late Cp call (last five cycles) has higher uncertainty

## Results

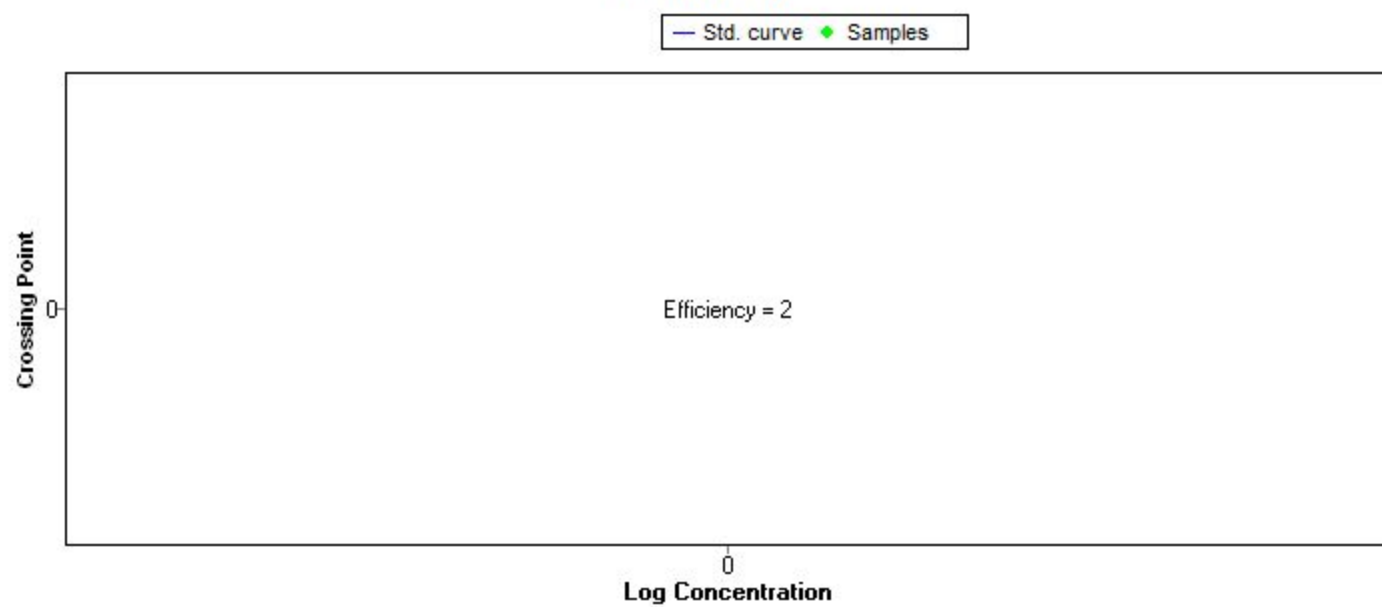
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	F6	RGS1 14	Unknown	31.23			
<input checked="" type="checkbox"/>	F7	RGS1 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	F8	RGS1 15	Unknown	35.00			>
<input checked="" type="checkbox"/>	F9	RGS1 15	Unknown	33.13			
<input checked="" type="checkbox"/>	F10	RGS1 16	Unknown	32.74			
<input checked="" type="checkbox"/>	F11	RGS1 16	Unknown	33.21			
<input checked="" type="checkbox"/>	F12	RGS1 16	Unknown	35.00			>
<input checked="" type="checkbox"/>	G1	blank	Unknown				
<input checked="" type="checkbox"/>	G2	blank	Unknown				
<input checked="" type="checkbox"/>	G3	blank	Unknown				
<input checked="" type="checkbox"/>	G4	blank	Unknown				
<input checked="" type="checkbox"/>	G5	blank	Unknown				
<input checked="" type="checkbox"/>	G6	blank	Unknown				
<input checked="" type="checkbox"/>	G7	blank	Unknown				
<input checked="" type="checkbox"/>	G8	blank	Unknown				
<input checked="" type="checkbox"/>	G9	blank	Unknown				
<input checked="" type="checkbox"/>	G10	blank	Unknown				
<input checked="" type="checkbox"/>	G11	blank	Unknown				
<input checked="" type="checkbox"/>	G12	blank	Unknown				
<input checked="" type="checkbox"/>	H1	blank	Unknown				
<input checked="" type="checkbox"/>	H2	blank	Unknown				
<input checked="" type="checkbox"/>	H3	blank	Unknown				
<input checked="" type="checkbox"/>	H4	blank	Unknown				
<input checked="" type="checkbox"/>	H5	blank	Unknown				
<input checked="" type="checkbox"/>	H6	blank	Unknown				
<input checked="" type="checkbox"/>	H7	blank	Unknown				
<input checked="" type="checkbox"/>	H8	blank	Unknown				
<input checked="" type="checkbox"/>	H9	blank	Unknown				
<input checked="" type="checkbox"/>	H10	blank	Unknown				
<input checked="" type="checkbox"/>	H11	blank	Unknown				
<input checked="" type="checkbox"/>	H12	blank	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty

### Amplification Curves



### Standard Curve



Analysis Notes