

# cobas® 4800 User Defined Workflow (UDF)



## 20241212xj plate3

### Experiment

Creation Date	12/12/2024 9:42:35 PM	Last Modified Date	12/12/2024 10:45:43 PM
Operator	System Admin	Owner	System Admin
Start Time	12/12/2024 9:43:39 PM	End Time	12/12/2024 10:42:17 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 102						
A2	GAPDH 102						
A3	GAPDH 102						
A4	GAPDH 107						
A5	GAPDH 107						
A6	GAPDH 107						
A7	GAPDH 110						
A8	GAPDH 110						
A9	GAPDH 110						
A10	GAPDH 113						
A11	GAPDH 113						
A12	GAPDH 113						
B1	FCER1A 102						
B2	FCER1A 102						
B3	FCER1A 102						
B4	FCER1A 107						
B5	FCER1A 107						
B6	FCER1A 107						
B7	FCER1A 110						
B8	FCER1A 110						
B9	FCER1A 110						
B10	FCER1A 113						
B11	FCER1A 113						
B12	FCER1A 113						
C1	RGS1 102						
C2	RGS1 102						
C3	RGS1 102						
C4	RGS1 107						
C5	RGS1 107						
C6	RGS1 107						
C7	RGS1 110						
C8	RGS1 110						
C9	RGS1 110						
C10	RGS1 113						
C11	RGS1 113						
C12	RGS1 113						

## Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
D1	GAPDH 115			
D2	GAPDH 115			
D3	GAPDH 115			
D4	GAPDH 117			
D5	GAPDH 117			
D6	GAPDH 117			
D7	GAPDH 119			
D8	GAPDH 119			
D9	GAPDH 119			
D10	GAPDH 120			
D11	GAPDH 120			
D12	GAPDH 120			
E1	FCER1A 115			
E2	FCER1A 115			
E3	FCER1A 115			
E4	FCER1A 117			
E5	FCER1A 117			
E6	FCER1A 117			
E7	FCER1A 119			
E8	FCER1A 119			
E9	FCER1A 119			
E10	FCER1A 120			
E11	FCER1A 120			
E12	FCER1A 120			
F1	RGS1 102			
F2	RGS1 102			
F3	RGS1 102			
F4	RGS1 107			
F5	RGS1 107			
F6	RGS1 107			
F7	RGS1 110			
F8	RGS1 110			
F9	RGS1 110			
F10	RGS1 113			
F11	RGS1 113			
F12	RGS1 113			
G1				
G2				
G3				

Samples

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

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

> -Note CP posal N(lasmtive 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 102	Unknown	35.00			>
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	35.00			>
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	35.00			>
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	22.72			
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	22.64			
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	22.78			
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	21.66			
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	21.67			
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	21.74			
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	26.50			
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	26.70			
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	26.75			
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	29.61			
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	31.26			
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	35.00			>
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	32.68			
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	32.25			
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	29.76			
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	28.76			
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	34.20			
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	35.00			>
<input checked="" type="checkbox"/>	C1	RGS1 102	Unknown				
<input checked="" type="checkbox"/>	C2	RGS1 102	Unknown				
<input checked="" type="checkbox"/>	C3	RGS1 102	Unknown	35.00			>
<input checked="" type="checkbox"/>	C4	RGS1 107	Unknown	32.27			
<input checked="" type="checkbox"/>	C5	RGS1 107	Unknown	31.94			
<input checked="" type="checkbox"/>	C6	RGS1 107	Unknown	32.92			
<input checked="" type="checkbox"/>	C7	RGS1 110	Unknown	31.90			
<input checked="" type="checkbox"/>	C8	RGS1 110	Unknown	32.08			
<input checked="" type="checkbox"/>	C9	RGS1 110	Unknown	32.79			
<input checked="" type="checkbox"/>	C10	RGS1 113	Unknown	35.00			>
<input checked="" type="checkbox"/>	C11	RGS1 113	Unknown	35.00			>
<input checked="" type="checkbox"/>	C12	RGS1 113	Unknown	35.00			>
<input checked="" type="checkbox"/>	D1	GAPDH 115	Unknown	21.75			

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

## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	D2	GAPDH 115	Unknown	21.90			
<input checked="" type="checkbox"/>	D3	GAPDH 115	Unknown	21.87			
<input checked="" type="checkbox"/>	D4	GAPDH 117	Unknown	22.14			
<input checked="" type="checkbox"/>	D5	GAPDH 117	Unknown	22.10			
<input checked="" type="checkbox"/>	D6	GAPDH 117	Unknown	22.14			
<input checked="" type="checkbox"/>	D7	GAPDH 119	Unknown	22.29			
<input checked="" type="checkbox"/>	D8	GAPDH 119	Unknown	22.34			
<input checked="" type="checkbox"/>	D9	GAPDH 119	Unknown	22.30			
<input checked="" type="checkbox"/>	D10	GAPDH 120	Unknown	23.22			
<input checked="" type="checkbox"/>	D11	GAPDH 120	Unknown	23.18			
<input checked="" type="checkbox"/>	D12	GAPDH 120	Unknown	23.27			
<input checked="" type="checkbox"/>	E1	FCER1A 115	Unknown	29.54			
<input checked="" type="checkbox"/>	E2	FCER1A 115	Unknown	29.79			
<input checked="" type="checkbox"/>	E3	FCER1A 115	Unknown	29.17			
<input checked="" type="checkbox"/>	E4	FCER1A 117	Unknown	28.82			
<input checked="" type="checkbox"/>	E5	FCER1A 117	Unknown	29.01			
<input checked="" type="checkbox"/>	E6	FCER1A 117	Unknown	29.05			
<input checked="" type="checkbox"/>	E7	FCER1A 119	Unknown	28.88			
<input checked="" type="checkbox"/>	E8	FCER1A 119	Unknown	28.85			
<input checked="" type="checkbox"/>	E9	FCER1A 119	Unknown	28.74			
<input checked="" type="checkbox"/>	E10	FCER1A 120	Unknown	29.98			
<input checked="" type="checkbox"/>	E11	FCER1A 120	Unknown	29.58			
<input checked="" type="checkbox"/>	E12	FCER1A 120	Unknown	29.60			
<input checked="" type="checkbox"/>	F1	RGS1 102	Unknown	30.86			
<input checked="" type="checkbox"/>	F2	RGS1 102	Unknown	31.61			
<input checked="" type="checkbox"/>	F3	RGS1 102	Unknown	29.98			
<input checked="" type="checkbox"/>	F4	RGS1 107	Unknown	32.01			
<input checked="" type="checkbox"/>	F5	RGS1 107	Unknown	31.96			
<input checked="" type="checkbox"/>	F6	RGS1 107	Unknown	31.95			
<input checked="" type="checkbox"/>	F7	RGS1 110	Unknown	31.95			
<input checked="" type="checkbox"/>	F8	RGS1 110	Unknown	31.39			
<input checked="" type="checkbox"/>	F9	RGS1 110	Unknown	31.38			
<input checked="" type="checkbox"/>	F10	RGS1 113	Unknown	31.95			
<input checked="" type="checkbox"/>	F11	RGS1 113	Unknown	31.48			
<input checked="" type="checkbox"/>	F12	RGS1 113	Unknown	31.47			
<input checked="" type="checkbox"/>	G1		Unknown				
<input checked="" type="checkbox"/>	G2		Unknown				

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

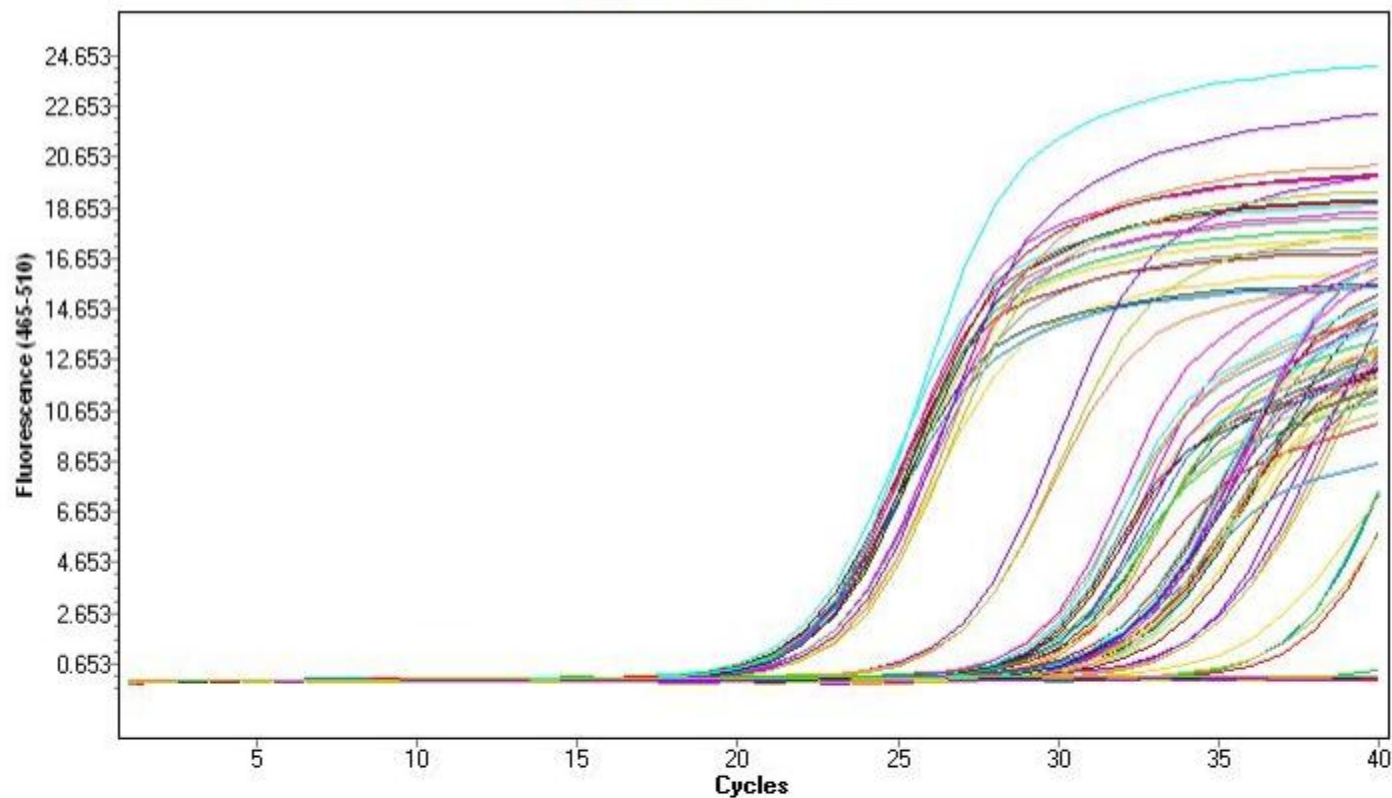
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**Results**

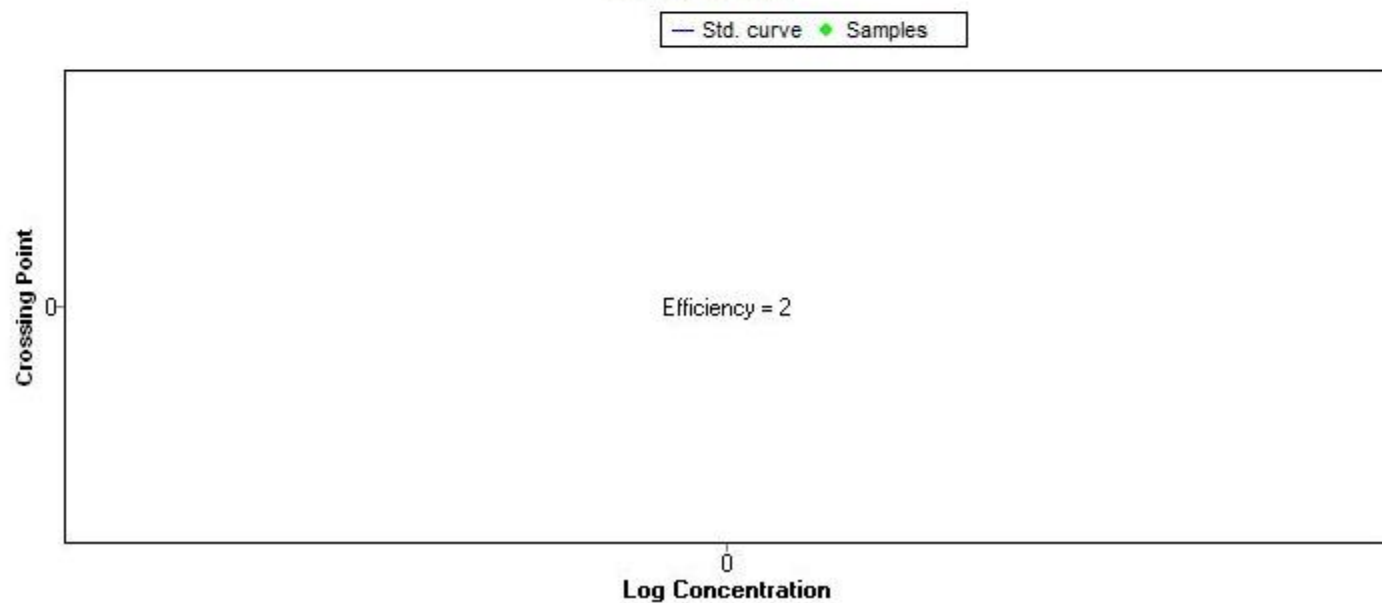
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	G3		Unknown				
<input checked="" type="checkbox"/>	G4		Unknown				
<input checked="" type="checkbox"/>	G5		Unknown				
<input checked="" type="checkbox"/>	G6		Unknown				
<input checked="" type="checkbox"/>	G7		Unknown				
<input checked="" type="checkbox"/>	G8		Unknown				
<input checked="" type="checkbox"/>	G9		Unknown				
<input checked="" type="checkbox"/>	G10		Unknown				
<input checked="" type="checkbox"/>	G11		Unknown				
<input checked="" type="checkbox"/>	G12		Unknown				
<input checked="" type="checkbox"/>	H1		Unknown				
<input checked="" type="checkbox"/>	H2		Unknown				
<input checked="" type="checkbox"/>	H3		Unknown				
<input checked="" type="checkbox"/>	H4		Unknown				
<input checked="" type="checkbox"/>	H5		Unknown				
<input checked="" type="checkbox"/>	H6		Unknown				
<input checked="" type="checkbox"/>	H7		Unknown				
<input checked="" type="checkbox"/>	H8		Unknown				
<input checked="" type="checkbox"/>	H9		Unknown				
<input checked="" type="checkbox"/>	H10		Unknown				
<input checked="" type="checkbox"/>	H11		Unknown				
<input checked="" type="checkbox"/>	H12		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	0.4336	STD Dev Multiplier	12.0000	
# of Fit Points	2	Threshold Method	Auto	Threshold	0.4336	

Subset Name	All Samples
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## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	GAPDH 102	Unknown	33.00			
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	34.34			
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	33.84			
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	19.29			
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	19.11			
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	19.59			
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	18.42			
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	17.61			
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	18.65			
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	23.34			
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	21.56			
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	21.63			
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown				
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	26.12			
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	27.67			
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	30.97			
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	28.77			
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	27.88			
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	26.67			
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	25.29			
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	29.37			
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	32.81			
<input checked="" type="checkbox"/>	C1	RGS1 102	Unknown				
<input checked="" type="checkbox"/>	C2	RGS1 102	Unknown				
<input checked="" type="checkbox"/>	C3	RGS1 102	Unknown				

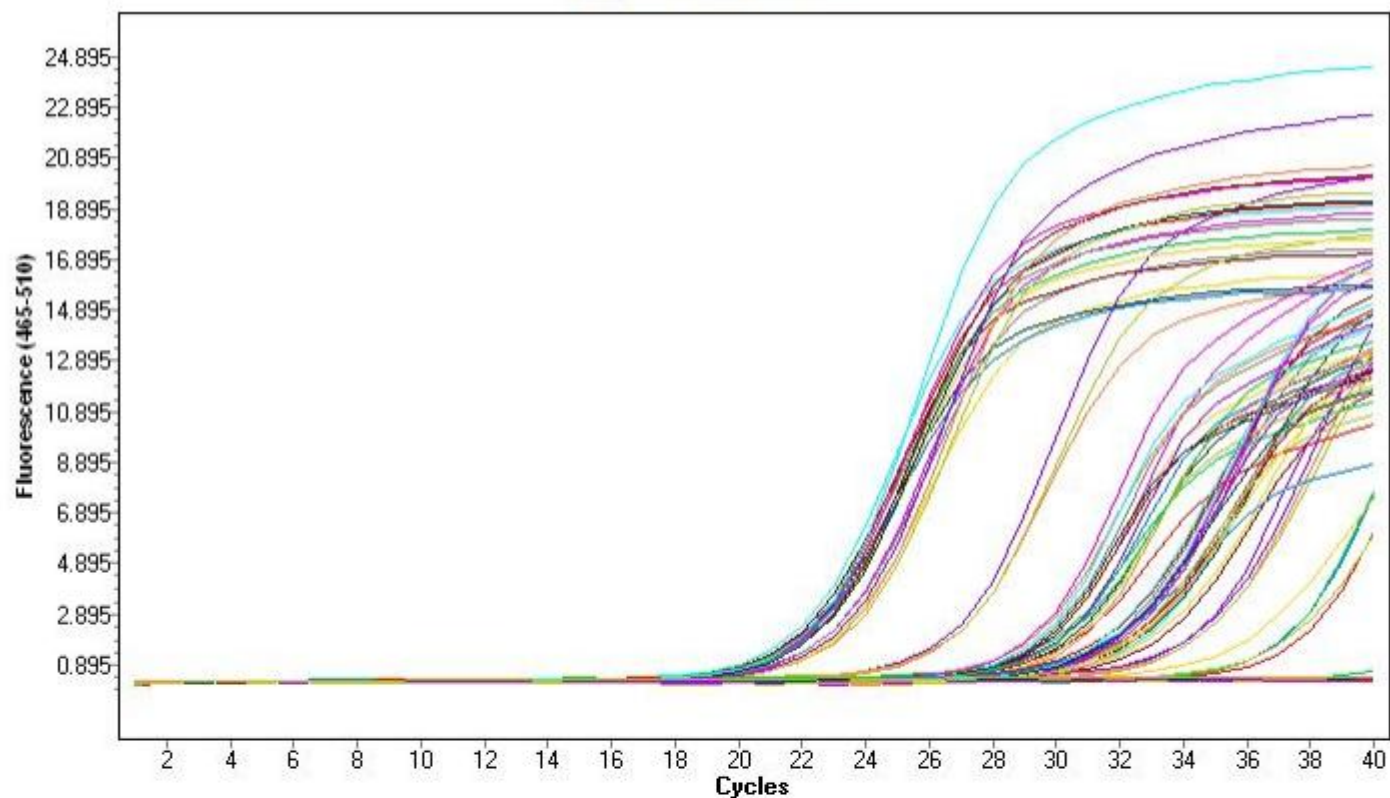
## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C4	RGS1 107	Unknown	27.95			
<input checked="" type="checkbox"/>	C5	RGS1 107	Unknown	27.29			
<input checked="" type="checkbox"/>	C6	RGS1 107	Unknown	28.58			
<input checked="" type="checkbox"/>	C7	RGS1 110	Unknown	26.91			
<input checked="" type="checkbox"/>	C8	RGS1 110	Unknown	27.39			
<input checked="" type="checkbox"/>	C9	RGS1 110	Unknown	27.50			
<input checked="" type="checkbox"/>	C10	RGS1 113	Unknown	30.43			
<input checked="" type="checkbox"/>	C11	RGS1 113	Unknown	28.65			
<input checked="" type="checkbox"/>	C12	RGS1 113	Unknown	29.77			
<input checked="" type="checkbox"/>	D1	GAPDH 115	Unknown	18.34			
<input checked="" type="checkbox"/>	D2	GAPDH 115	Unknown	18.42			
<input checked="" type="checkbox"/>	D3	GAPDH 115	Unknown	18.24			
<input checked="" type="checkbox"/>	D4	GAPDH 117	Unknown	18.73			
<input checked="" type="checkbox"/>	D5	GAPDH 117	Unknown	18.77			
<input checked="" type="checkbox"/>	D6	GAPDH 117	Unknown	18.98			
<input checked="" type="checkbox"/>	D7	GAPDH 119	Unknown	18.87			
<input checked="" type="checkbox"/>	D8	GAPDH 119	Unknown	18.38			
<input checked="" type="checkbox"/>	D9	GAPDH 119	Unknown	18.87			
<input checked="" type="checkbox"/>	D10	GAPDH 120	Unknown	19.90			
<input checked="" type="checkbox"/>	D11	GAPDH 120	Unknown	19.53			
<input checked="" type="checkbox"/>	D12	GAPDH 120	Unknown	19.89			
<input checked="" type="checkbox"/>	E1	FCER1A 115	Unknown	26.64			
<input checked="" type="checkbox"/>	E2	FCER1A 115	Unknown	25.56			
<input checked="" type="checkbox"/>	E3	FCER1A 115	Unknown	23.34			
<input checked="" type="checkbox"/>	E4	FCER1A 117	Unknown	25.65			
<input checked="" type="checkbox"/>	E5	FCER1A 117	Unknown	26.41			
<input checked="" type="checkbox"/>	E6	FCER1A 117	Unknown	26.51			
<input checked="" type="checkbox"/>	E7	FCER1A 119	Unknown	26.88			
<input checked="" type="checkbox"/>	E8	FCER1A 119	Unknown	26.21			
<input checked="" type="checkbox"/>	E9	FCER1A 119	Unknown	26.33			
<input checked="" type="checkbox"/>	E10	FCER1A 120	Unknown	27.62			
<input checked="" type="checkbox"/>	E11	FCER1A 120	Unknown	26.64			
<input checked="" type="checkbox"/>	E12	FCER1A 120	Unknown	27.38			
<input checked="" type="checkbox"/>	F1	RGS1 102	Unknown	27.36			
<input checked="" type="checkbox"/>	F2	RGS1 102	Unknown	26.27			
<input checked="" type="checkbox"/>	F3	RGS1 102	Unknown	26.67			
<input checked="" type="checkbox"/>	F4	RGS1 107	Unknown	28.31			

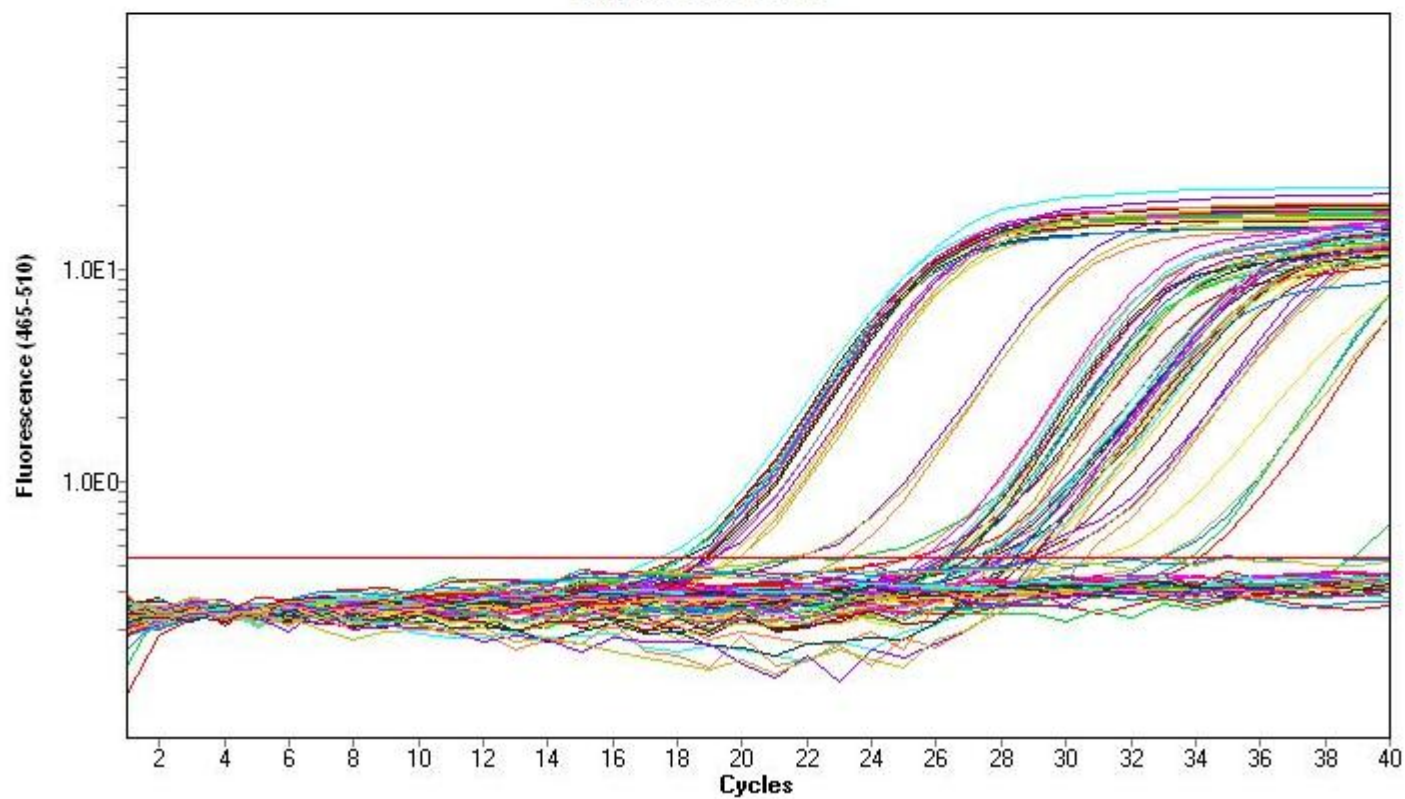
## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	F5	RGS1 107	Unknown	28.62			
<input checked="" type="checkbox"/>	F6	RGS1 107	Unknown	28.78			
<input checked="" type="checkbox"/>	F7	RGS1 110	Unknown	28.90			
<input checked="" type="checkbox"/>	F8	RGS1 110	Unknown	28.47			
<input checked="" type="checkbox"/>	F9	RGS1 110	Unknown	28.42			
<input checked="" type="checkbox"/>	F10	RGS1 113	Unknown	29.67			
<input checked="" type="checkbox"/>	F11	RGS1 113	Unknown	28.97			
<input checked="" type="checkbox"/>	F12	RGS1 113	Unknown	29.19			
<input checked="" type="checkbox"/>	G1		Unknown				
<input checked="" type="checkbox"/>	G2		Unknown				
<input checked="" type="checkbox"/>	G3		Unknown				
<input checked="" type="checkbox"/>	G4		Unknown				
<input checked="" type="checkbox"/>	G5		Unknown				
<input checked="" type="checkbox"/>	G6		Unknown				
<input checked="" type="checkbox"/>	G7		Unknown				
<input checked="" type="checkbox"/>	G8		Unknown				
<input checked="" type="checkbox"/>	G9		Unknown				
<input checked="" type="checkbox"/>	G10		Unknown				
<input checked="" type="checkbox"/>	G11		Unknown				
<input checked="" type="checkbox"/>	G12		Unknown				
<input checked="" type="checkbox"/>	H1		Unknown	34.15			
<input checked="" type="checkbox"/>	H2		Unknown				
<input checked="" type="checkbox"/>	H3		Unknown				
<input checked="" type="checkbox"/>	H4		Unknown				
<input checked="" type="checkbox"/>	H5		Unknown				
<input checked="" type="checkbox"/>	H6		Unknown				
<input checked="" type="checkbox"/>	H7		Unknown				
<input checked="" type="checkbox"/>	H8		Unknown				
<input checked="" type="checkbox"/>	H9		Unknown				
<input checked="" type="checkbox"/>	H10		Unknown				
<input checked="" type="checkbox"/>	H11		Unknown				
<input checked="" type="checkbox"/>	H12		Unknown				

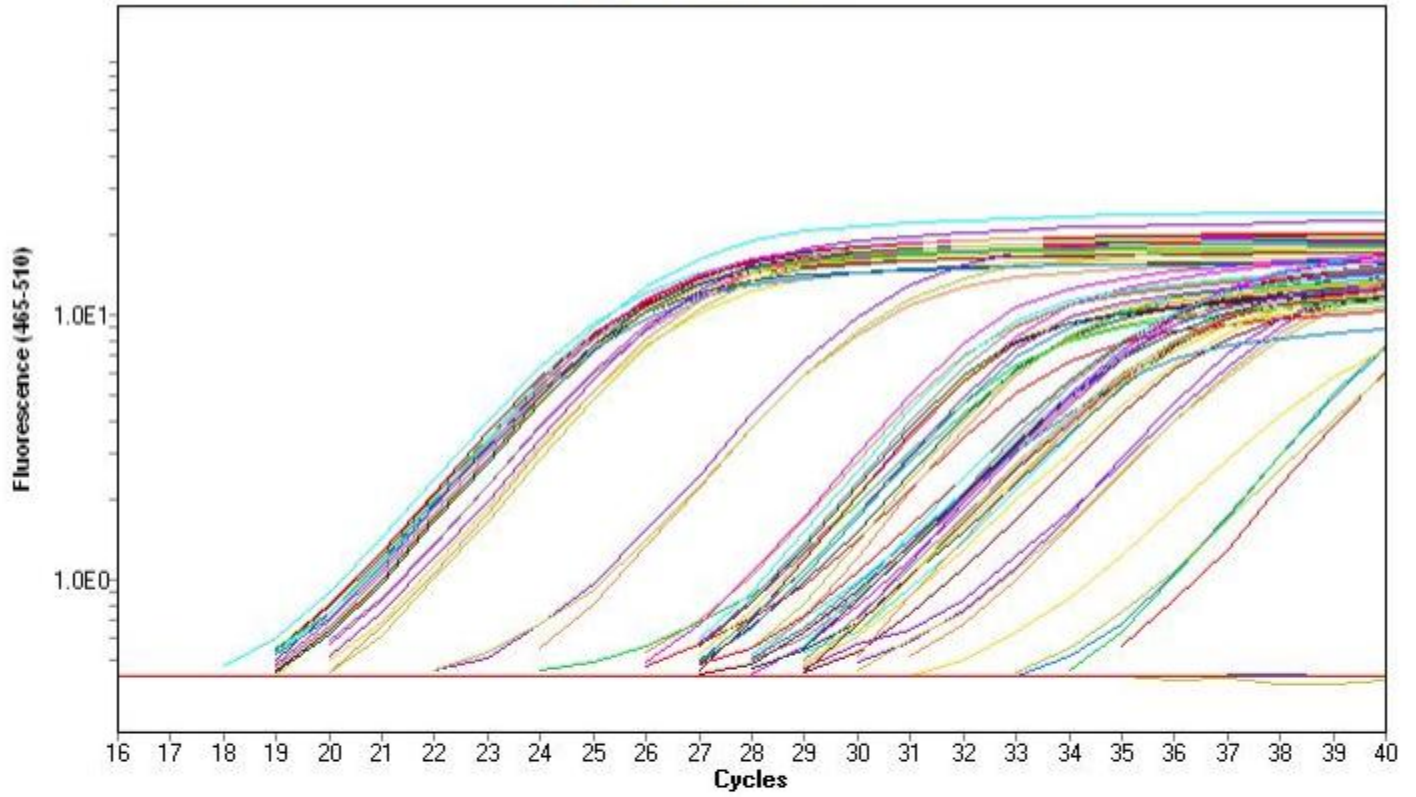
**Amplification Curves**



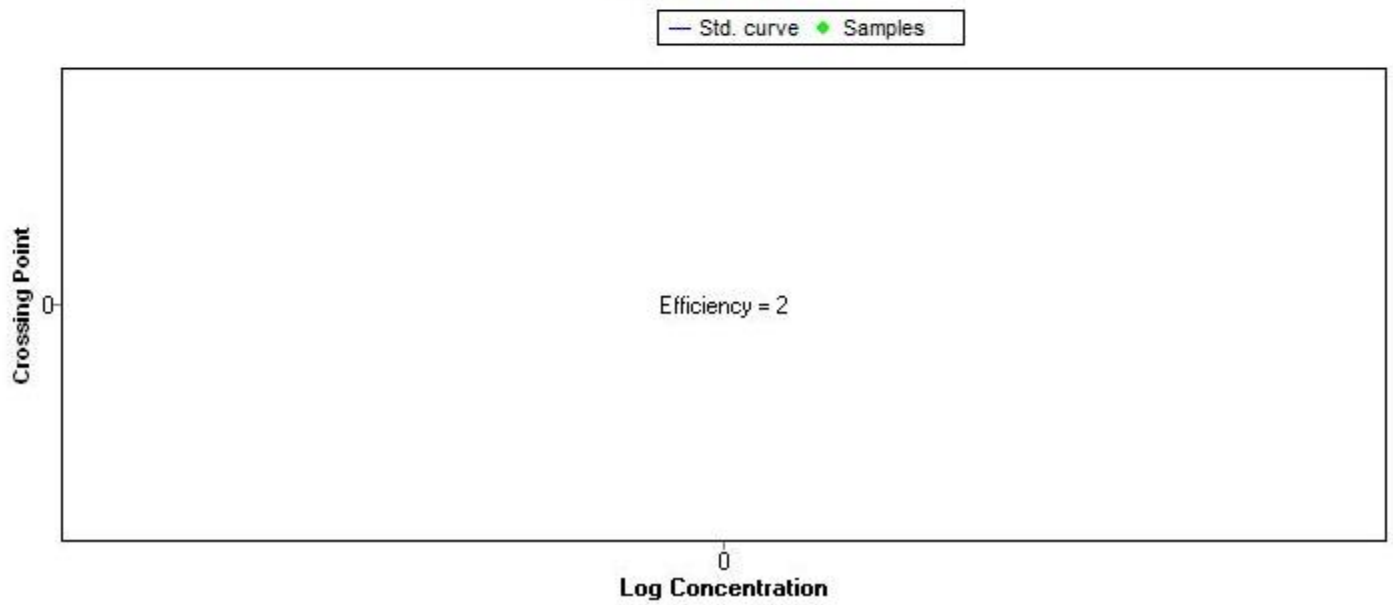
**Amplification Curves**



### Amplification Curves

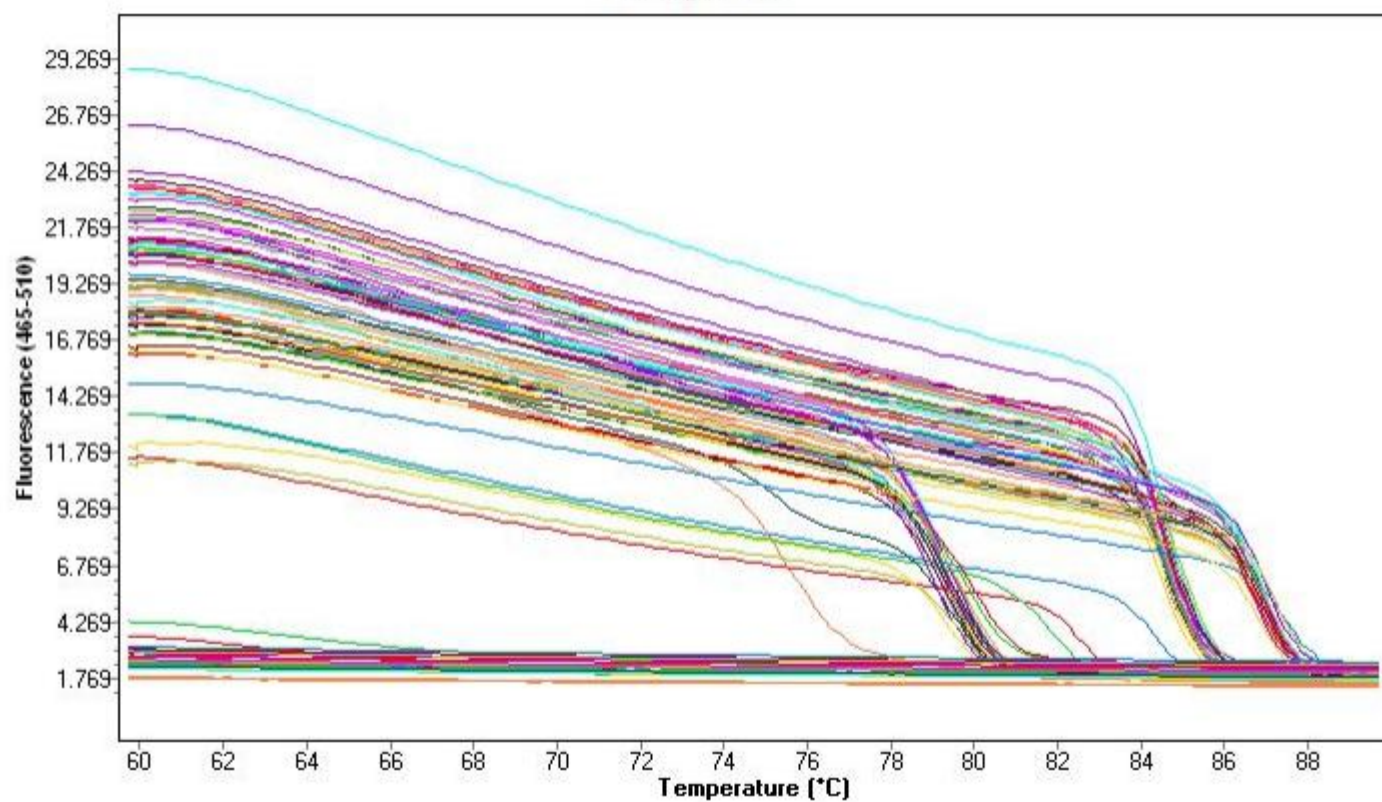


### Standard Curve

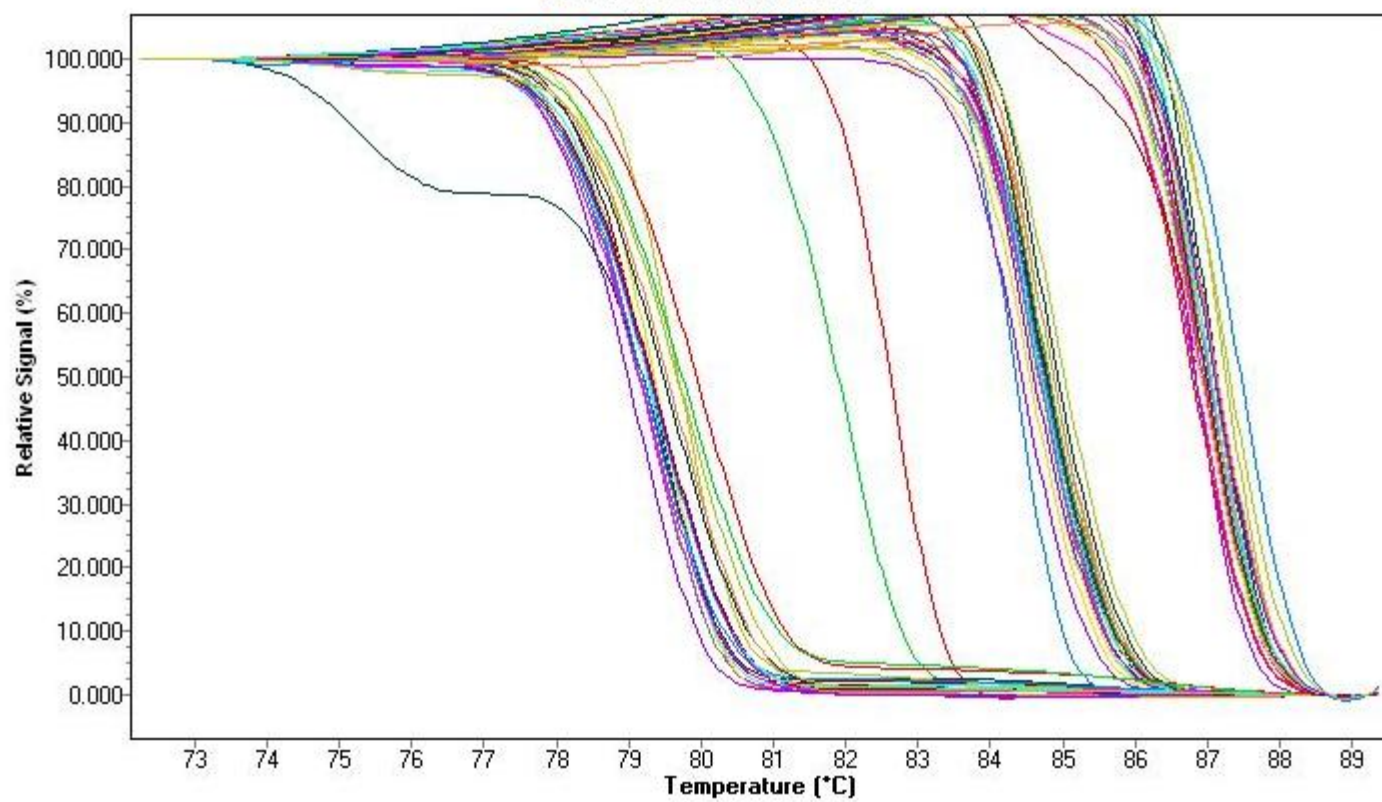


### Analysis Notes

### Melting Curves

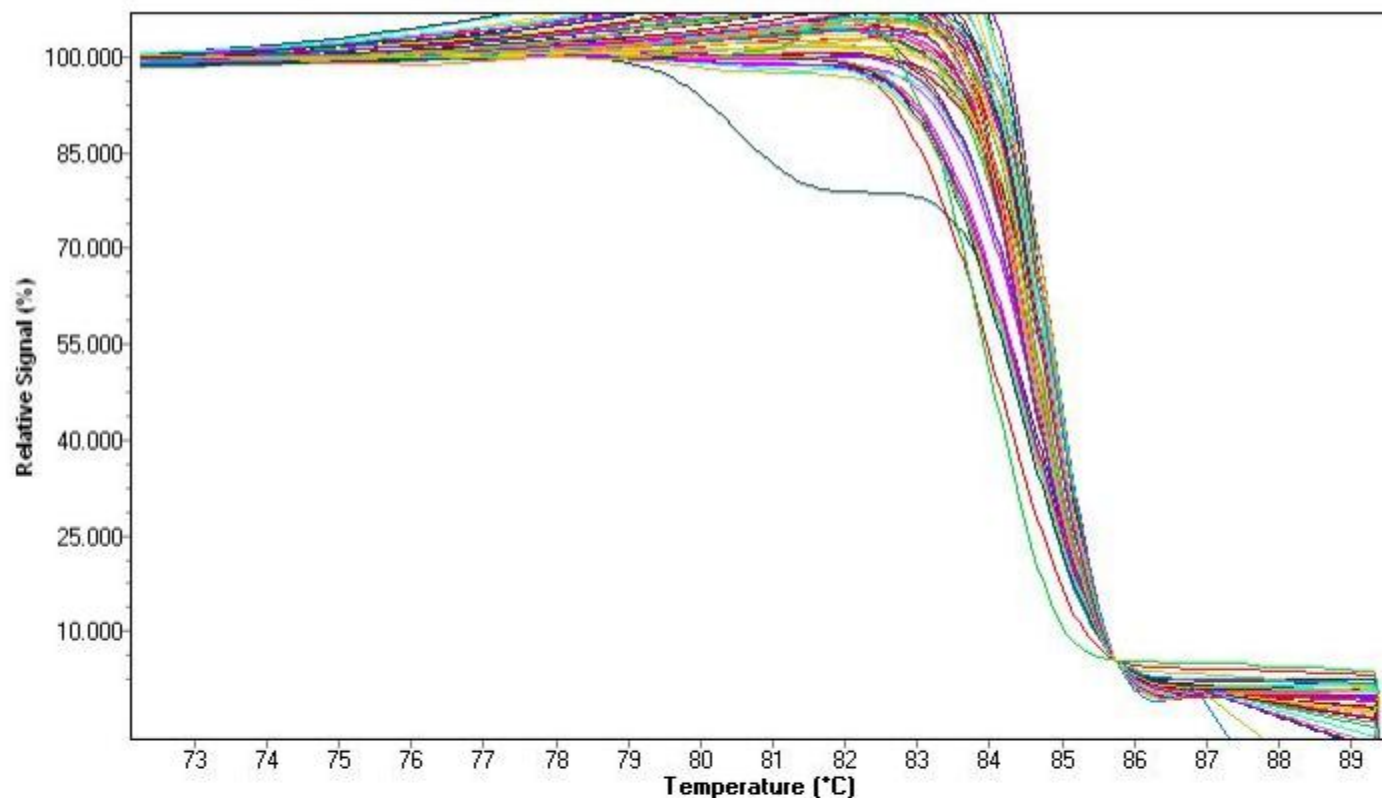


### Normalized Melting Curves

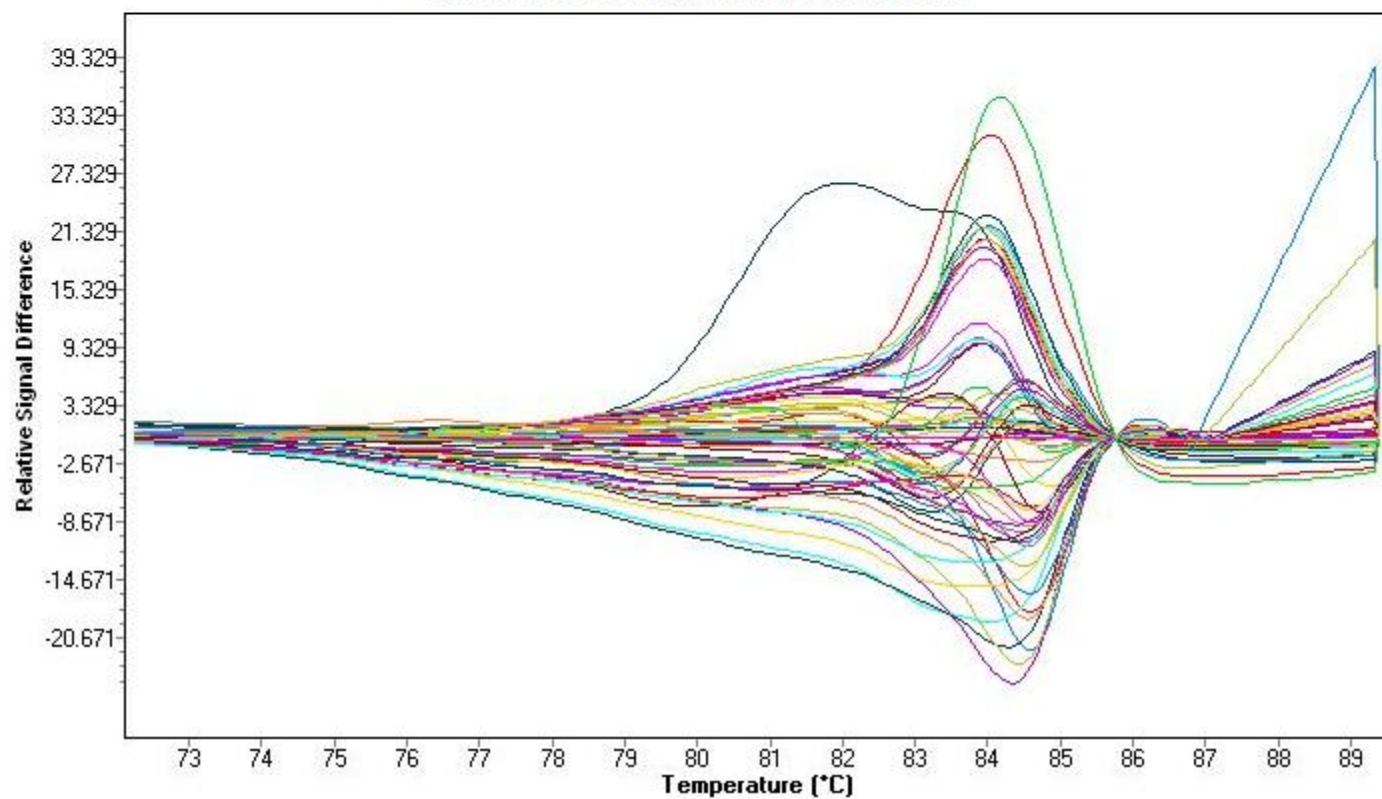




**Normalized and Shifted Melting Curves**



**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	63-86
		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 102	Unknown	4	0.99	0.28	
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	4	1.00	0.56	
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	4	0.98	0.42	
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	1	0.93	0.47	
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	1	0.93	0.47	
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	1	0.93	0.47	
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	1	0.94	0.46	
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	1	0.95	0.45	
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	1	0.96	0.45	
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	1	0.95	0.44	
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	1	0.95	0.44	
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	1	0.95	0.44	
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown	3	0.98	0.87	
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown	3	0.99	0.89	
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown	3	1.00	0.89	
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	2	0.99	0.41	
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	2	0.99	0.42	
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	2	0.82	0.15	
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	2	0.96	0.40	
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	2	0.95	0.32	
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	5	0.81	0.19	
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	5	1.00	0.55	
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	2	0.98	0.30	
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	Unknown	0.80	0.07	
<input checked="" type="checkbox"/>	C1	RGS1 102	Unknown	3	0.89	0.73	
<input checked="" type="checkbox"/>	C2	RGS1 102	Unknown	3	0.89	0.75	
<input checked="" type="checkbox"/>	C3	RGS1 102	Unknown	6	1.00	0.80	
<input checked="" type="checkbox"/>	C4	RGS1 107	Unknown	1	0.99	0.55	
<input checked="" type="checkbox"/>	C5	RGS1 107	Unknown	1	0.99	0.59	
<input checked="" type="checkbox"/>	C6	RGS1 107	Unknown	1	0.99	0.61	
<input checked="" type="checkbox"/>	C7	RGS1 110	Unknown	1	0.96	0.55	



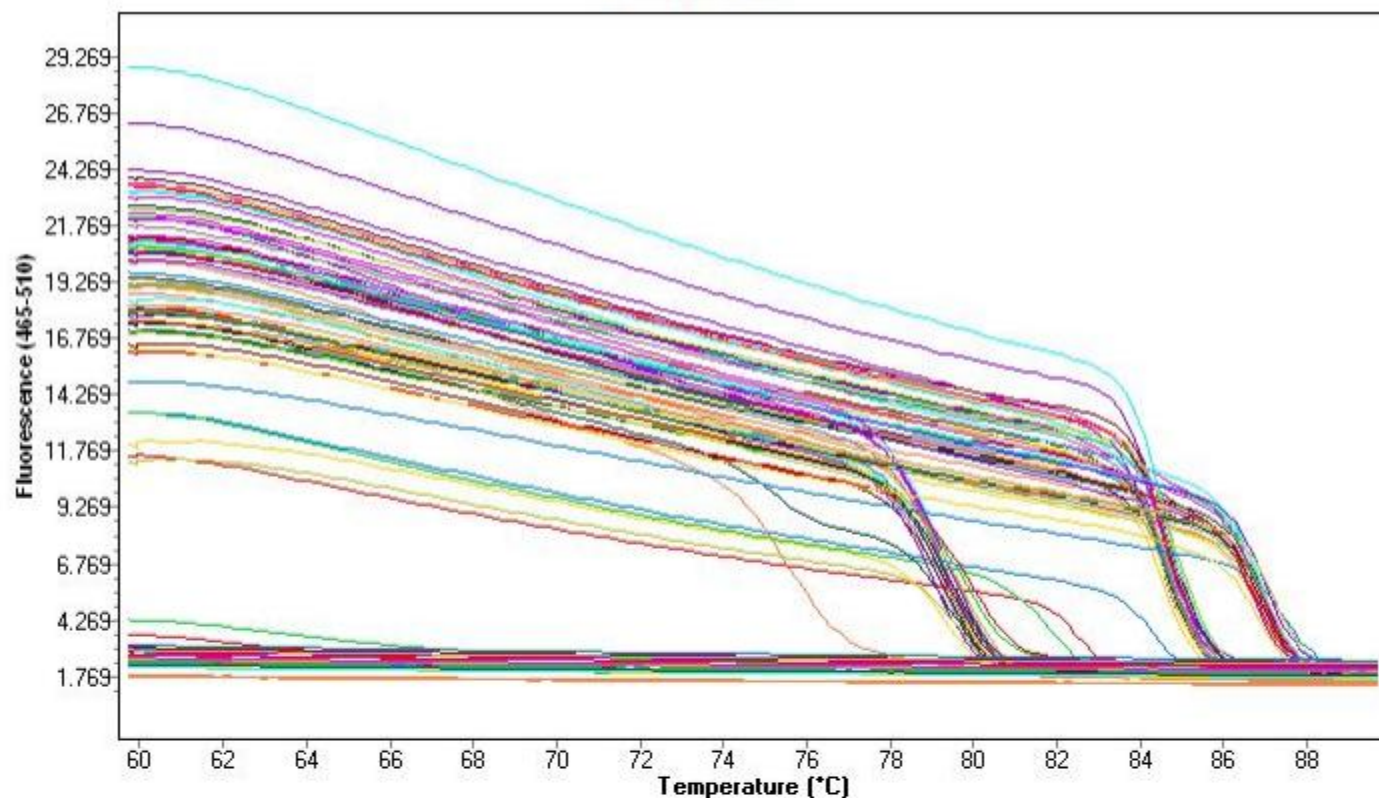
## Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	C8	RGS1 110	Unknown	1	0.99	0.60	
<input checked="" type="checkbox"/>	C9	RGS1 110	Unknown	1	0.98	0.62	
<input checked="" type="checkbox"/>	C10	RGS1 113	Unknown	1	0.98	0.52	
<input checked="" type="checkbox"/>	C11	RGS1 113	Unknown	1	0.99	0.41	
<input checked="" type="checkbox"/>	C12	RGS1 113	Unknown	1	0.98	0.60	
<input checked="" type="checkbox"/>	D1	GAPDH 115	Unknown	1	0.94	0.47	
<input checked="" type="checkbox"/>	D2	GAPDH 115	Unknown	1	0.93	0.48	
<input checked="" type="checkbox"/>	D3	GAPDH 115	Unknown	1	0.93	0.48	
<input checked="" type="checkbox"/>	D4	GAPDH 117	Unknown	1	0.91	0.49	
<input checked="" type="checkbox"/>	D5	GAPDH 117	Unknown	1	0.93	0.46	
<input checked="" type="checkbox"/>	D6	GAPDH 117	Unknown	1	0.92	0.47	
<input checked="" type="checkbox"/>	D7	GAPDH 119	Unknown	1	0.91	0.49	
<input checked="" type="checkbox"/>	D8	GAPDH 119	Unknown	1	0.94	0.46	
<input checked="" type="checkbox"/>	D9	GAPDH 119	Unknown	1	0.93	0.47	
<input checked="" type="checkbox"/>	D10	GAPDH 120	Unknown	1	0.94	0.46	
<input checked="" type="checkbox"/>	D11	GAPDH 120	Unknown	1	0.92	0.47	
<input checked="" type="checkbox"/>	D12	GAPDH 120	Unknown	1	0.93	0.48	
<input checked="" type="checkbox"/>	E1	FCER1A 115	Unknown	2	0.99	0.48	
<input checked="" type="checkbox"/>	E2	FCER1A 115	Unknown	2	0.97	0.42	
<input checked="" type="checkbox"/>	E3	FCER1A 115	Unknown	2	0.97	0.46	
<input checked="" type="checkbox"/>	E4	FCER1A 117	Unknown	2	0.99	0.47	
<input checked="" type="checkbox"/>	E5	FCER1A 117	Unknown	2	0.99	0.53	
<input checked="" type="checkbox"/>	E6	FCER1A 117	Unknown	2	1.00	0.55	
<input checked="" type="checkbox"/>	E7	FCER1A 119	Unknown	2	0.99	0.52	
<input checked="" type="checkbox"/>	E8	FCER1A 119	Unknown	2	0.99	0.52	
<input checked="" type="checkbox"/>	E9	FCER1A 119	Unknown	2	0.99	0.57	
<input checked="" type="checkbox"/>	E10	FCER1A 120	Unknown	2	0.99	0.58	
<input checked="" type="checkbox"/>	E11	FCER1A 120	Unknown	2	0.99	0.53	
<input checked="" type="checkbox"/>	E12	FCER1A 120	Unknown	2	0.99	0.53	
<input checked="" type="checkbox"/>	F1	RGS1 115	Unknown	1	0.99	0.62	
<input checked="" type="checkbox"/>	F2	RGS1 115	Unknown	1	0.99	0.52	
<input checked="" type="checkbox"/>	F3	RGS1 115	Unknown	1	0.99	0.65	
<input checked="" type="checkbox"/>	F4	RGS1 117	Unknown	1	0.99	0.58	
<input checked="" type="checkbox"/>	F5	RGS1 117	Unknown	1	0.99	0.65	
<input checked="" type="checkbox"/>	F6	RGS1 117	Unknown	1	0.99	0.62	
<input checked="" type="checkbox"/>	F7	RGS1 119	Unknown	1	0.99	0.70	
<input checked="" type="checkbox"/>	F8	RGS1 119	Unknown	1	0.99	0.66	
<input checked="" type="checkbox"/>	F9	RGS1 119	Unknown	1	1.00	0.66	

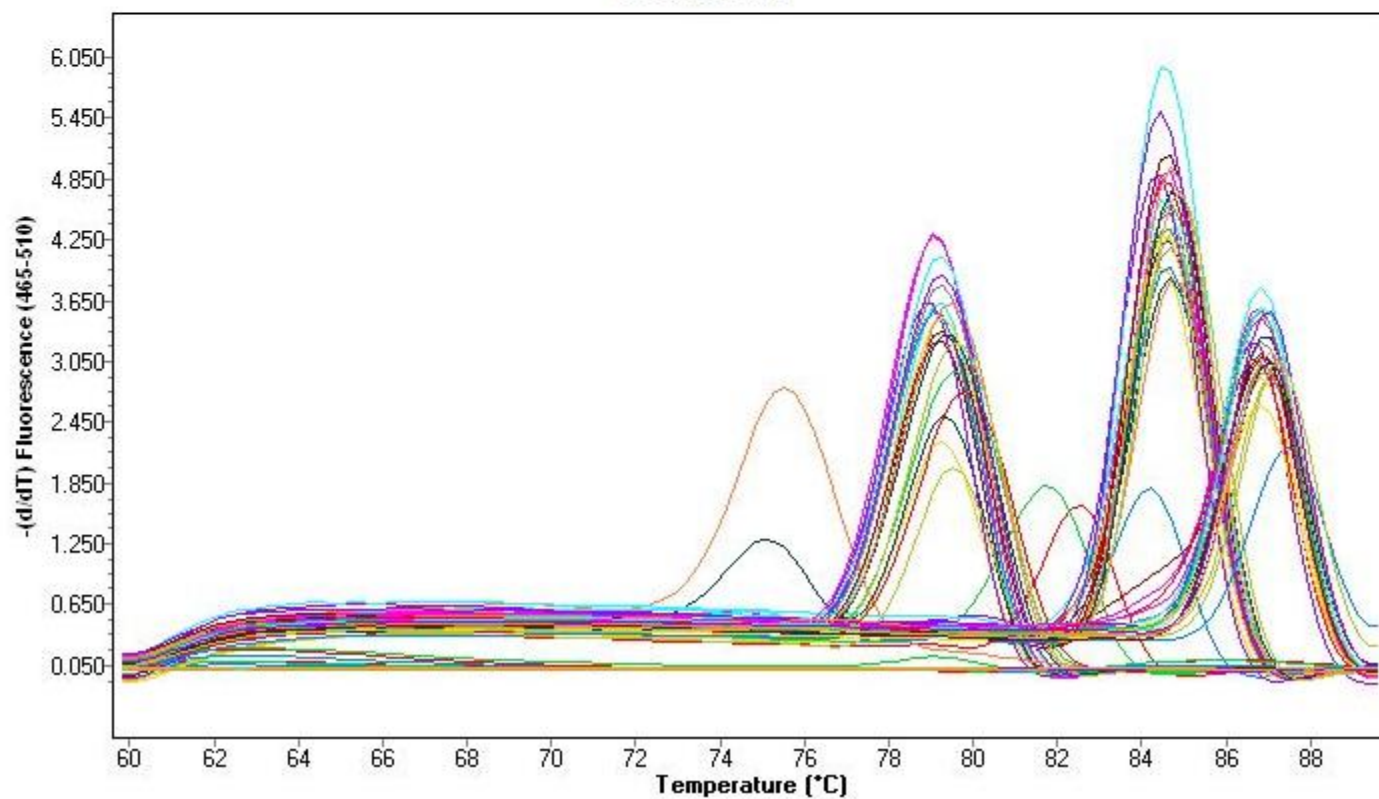
**Results**

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	F10	RGS1 120	Unknown	1	0.99	0.61	
<input checked="" type="checkbox"/>	F11	RGS1 120	Unknown	1	0.99	0.64	
<input checked="" type="checkbox"/>	F12	RGS1 120	Unknown	1	0.99	0.63	
<input checked="" type="checkbox"/>	G1		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G2		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G3		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G4		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G5		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G6		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G7		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G8		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G9		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G10		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G11		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	G12		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H1		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H2		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H3		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H4		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H5		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H6		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H7		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H8		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H9		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H10		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H11		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	H12		Unknown	Negative	1.00	1.00	

### 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 102	84.31	4.40	2.52	1.75					
<input checked="" type="checkbox"/>	A2	GAPDH 102	82.60	4.01	2.45	1.64					
<input checked="" type="checkbox"/>	A3	GAPDH 102	81.80	5.11	2.71	1.89					
<input checked="" type="checkbox"/>	A4	GAPDH 107	84.68	11.30	2.39	4.72					
<input checked="" type="checkbox"/>	A5	GAPDH 107	84.76	9.61	2.22	4.33					
<input checked="" type="checkbox"/>	A6	GAPDH 107	84.57	9.80	2.35	4.17					
<input checked="" type="checkbox"/>	A7	GAPDH 110	84.67	10.47	2.38	4.40					
<input checked="" type="checkbox"/>	A8	GAPDH 110	84.60	11.70	2.43	4.81					
<input checked="" type="checkbox"/>	A9	GAPDH 110	84.75	9.62	2.39	4.03					
<input checked="" type="checkbox"/>	A10	GAPDH 113	84.86	9.22	2.32	3.98					
<input checked="" type="checkbox"/>	A11	GAPDH 113	84.47	10.94	2.14	5.11					
<input checked="" type="checkbox"/>	A12	GAPDH 113	84.83	9.61	2.15	4.46					
<input checked="" type="checkbox"/>	B1	FCER1A 102	71.97	0.17	8.89	0.02					
<input checked="" type="checkbox"/>	B2	FCER1A 102	70.47	0.23	8.27	0.03					
<input checked="" type="checkbox"/>	B3	FCER1A 102	69.22	0.26	6.65	0.04					
<input checked="" type="checkbox"/>	B4	FCER1A 107	79.15	10.72	2.40	4.46					
<input checked="" type="checkbox"/>	B5	FCER1A 107	79.14	8.97	2.43	3.70					
<input checked="" type="checkbox"/>	B6	FCER1A 107	79.26	5.58	2.36	2.36					
<input checked="" type="checkbox"/>	B7	FCER1A 110	79.25	7.75	2.32	3.34					
<input checked="" type="checkbox"/>	B8	FCER1A 110	79.19	9.17	2.49	3.68					
<input checked="" type="checkbox"/>	B9	FCER1A 110	75.05	2.21	2.25	0.98	79.40	6.02	2.35	2.56	
<input checked="" type="checkbox"/>	B10	FCER1A 113	75.58	8.91	3.24	2.75					
<input checked="" type="checkbox"/>	B11	FCER1A 113	78.92	9.65	2.56	3.77					
<input checked="" type="checkbox"/>	B12	FCER1A 113	79.65	4.29	2.09	2.05					
<input checked="" type="checkbox"/>	C1	RGS1 102	66.10	0.45	5.08	0.09					
<input checked="" type="checkbox"/>	C2	RGS1 102	66.07	0.67	5.33	0.13					
<input checked="" type="checkbox"/>	C3	RGS1 102									
<input checked="" type="checkbox"/>	C4	RGS1 107									
<input checked="" type="checkbox"/>	C5	RGS1 107									

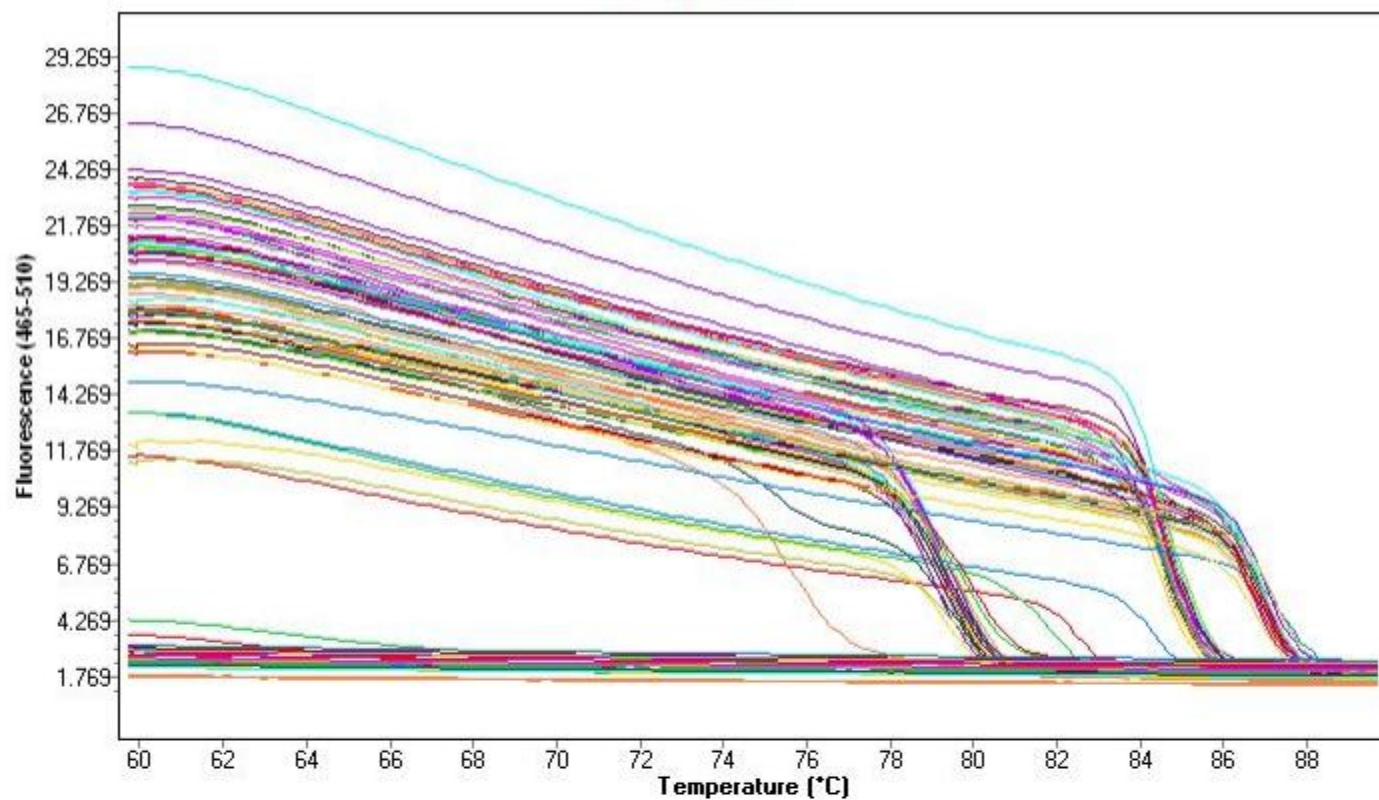
## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	C6	RGS1 107									
<input checked="" type="checkbox"/>	C7	RGS1 110									
<input checked="" type="checkbox"/>	C8	RGS1 110									
<input checked="" type="checkbox"/>	C9	RGS1 110									
<input checked="" type="checkbox"/>	C10	RGS1 113									
<input checked="" type="checkbox"/>	C11	RGS1 113									
<input checked="" type="checkbox"/>	C12	RGS1 113									
<input checked="" type="checkbox"/>	D1	GAPDH 115	84.73	9.47	2.32	4.08					
<input checked="" type="checkbox"/>	D2	GAPDH 115	84.66	11.41	2.26	5.04					
<input checked="" type="checkbox"/>	D3	GAPDH 115	84.78	10.95	2.29	4.78					
<input checked="" type="checkbox"/>	D4	GAPDH 117	84.68	12.38	2.43	5.10					
<input checked="" type="checkbox"/>	D5	GAPDH 117	84.67	10.94	2.41	4.53					
<input checked="" type="checkbox"/>	D6	GAPDH 117	84.61	10.70	2.42	4.43					
<input checked="" type="checkbox"/>	D7	GAPDH 119	84.71	11.97	2.24	5.36					
<input checked="" type="checkbox"/>	D8	GAPDH 119	84.67	14.30	2.32	6.17					
<input checked="" type="checkbox"/>	D9	GAPDH 119	84.87	11.37	2.32	4.91					
<input checked="" type="checkbox"/>	D10	GAPDH 120	84.84	12.00	2.33	5.15					
<input checked="" type="checkbox"/>	D11	GAPDH 120	84.55	13.28	2.36	5.64					
<input checked="" type="checkbox"/>	D12	GAPDH 120	85.00	11.37	2.32	4.90					
<input checked="" type="checkbox"/>	E1	FCER1A 115	79.16	9.24	2.54	3.63					
<input checked="" type="checkbox"/>	E2	FCER1A 115	79.90	7.56	2.67	2.83					
<input checked="" type="checkbox"/>	E3	FCER1A 115	79.69	8.30	2.72	3.05					
<input checked="" type="checkbox"/>	E4	FCER1A 117	79.15	11.31	2.55	4.44					
<input checked="" type="checkbox"/>	E5	FCER1A 117	79.29	10.31	2.62	3.94					
<input checked="" type="checkbox"/>	E6	FCER1A 117	79.34	9.34	2.58	3.62					
<input checked="" type="checkbox"/>	E7	FCER1A 119	79.32	9.00	2.59	3.47					
<input checked="" type="checkbox"/>	E8	FCER1A 119	79.27	11.01	2.61	4.21					
<input checked="" type="checkbox"/>	E9	FCER1A 119	79.47	9.15	2.66	3.44					
<input checked="" type="checkbox"/>	E10	FCER1A 120	79.53	9.99	2.66	3.76					
<input checked="" type="checkbox"/>	E11	FCER1A 120	79.31	10.71	2.63	4.07					
<input checked="" type="checkbox"/>	E12	FCER1A 120	79.69	8.97	2.66	3.37					
<input checked="" type="checkbox"/>	F1	RGS1 115									
<input checked="" type="checkbox"/>	F2	RGS1 115									
<input checked="" type="checkbox"/>	F3	RGS1 115									
<input checked="" type="checkbox"/>	F4	RGS1 117									
<input checked="" type="checkbox"/>	F5	RGS1 117									

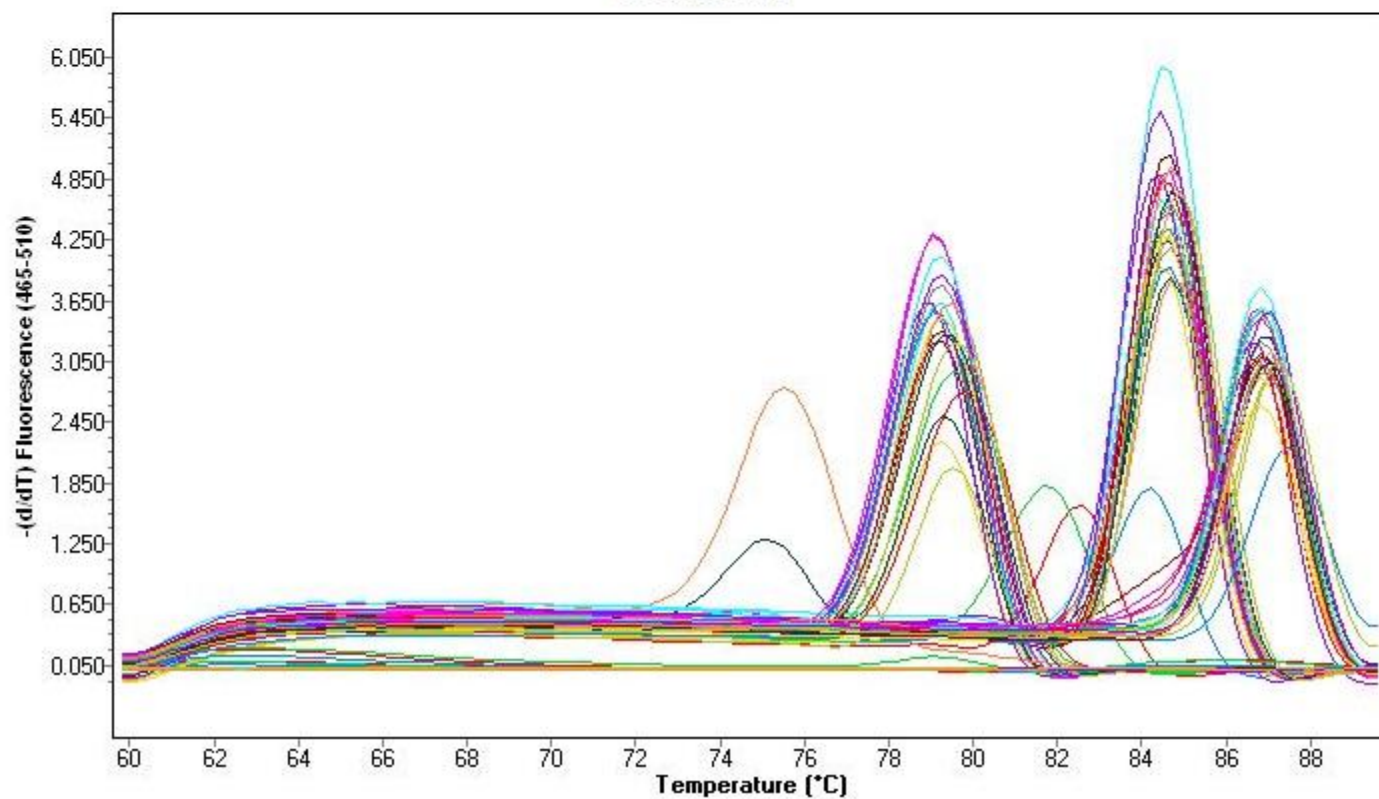
## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	F6	RGS1 117									
<input checked="" type="checkbox"/>	F7	RGS1 119									
<input checked="" type="checkbox"/>	F8	RGS1 119									
<input checked="" type="checkbox"/>	F9	RGS1 119									
<input checked="" type="checkbox"/>	F10	RGS1 120									
<input checked="" type="checkbox"/>	F11	RGS1 120									
<input checked="" type="checkbox"/>	F12	RGS1 120									
<input checked="" type="checkbox"/>	G1										
<input checked="" type="checkbox"/>	G2										
<input checked="" type="checkbox"/>	G3										
<input checked="" type="checkbox"/>	G4										
<input checked="" type="checkbox"/>	G5										
<input checked="" type="checkbox"/>	G6										
<input checked="" type="checkbox"/>	G7										
<input checked="" type="checkbox"/>	G8										
<input checked="" type="checkbox"/>	G9										
<input checked="" type="checkbox"/>	G10										
<input checked="" type="checkbox"/>	G11										
<input checked="" type="checkbox"/>	G12										
<input checked="" type="checkbox"/>	H1										
<input checked="" type="checkbox"/>	H2										
<input checked="" type="checkbox"/>	H3										
<input checked="" type="checkbox"/>	H4										
<input checked="" type="checkbox"/>	H5										
<input checked="" type="checkbox"/>	H6										
<input checked="" type="checkbox"/>	H7										
<input checked="" type="checkbox"/>	H8										
<input checked="" type="checkbox"/>	H9										
<input checked="" type="checkbox"/>	H10										
<input checked="" type="checkbox"/>	H11										
<input checked="" type="checkbox"/>	H12										

### Melting Curves



### Melting Peaks



### Analysis Notes