

# cobas® 4800 User Defined Workflow (UDF)



## 20241222xj plate2

### Experiment

Creation Date	12/22/2024 5:28:20 PM	Last Modified Date	12/22/2024 6:42:58 PM
Operator	System Admin	Owner	System Admin
Start Time	12/22/2024 5:28:47 PM	End Time	12/22/2024 6:27:40 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	GAPDH 115				
C2	GAPDH 115				
C3	GAPDH 115				
C4	GAPDH 117				
C5	GAPDH 117				
C6	GAPDH 117				
C7	GAPDH 119				
C8	GAPDH 119				
C9	GAPDH 119				
C10	GAPDH 120				
C11	GAPDH 120				
C12	GAPDH 120				

## Samples

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

Inc	Pos	Name	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	24.09			
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	24.30			
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	24.18			
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	23.78			
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	23.74			
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	23.77			
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	22.98			
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	22.83			
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	22.95			
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	27.28			
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	27.18			
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	27.71			
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown	30.79			
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown	30.75			
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown	30.36			
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	29.05			
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	28.92			
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	28.96			
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	30.57			
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	30.16			
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	29.87			
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	26.43			
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	30.78			
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	31.87			
<input checked="" type="checkbox"/>	C1	GAPDH 115	Unknown	23.28			
<input checked="" type="checkbox"/>	C2	GAPDH 115	Unknown	23.52			
<input checked="" type="checkbox"/>	C3	GAPDH 115	Unknown	23.31			
<input checked="" type="checkbox"/>	C4	GAPDH 117	Unknown	22.79			
<input checked="" type="checkbox"/>	C5	GAPDH 117	Unknown	22.88			
<input checked="" type="checkbox"/>	C6	GAPDH 117	Unknown	22.75			
<input checked="" type="checkbox"/>	C7	GAPDH 119	Unknown	23.79			
<input checked="" type="checkbox"/>	C8	GAPDH 119	Unknown	23.66			
<input checked="" type="checkbox"/>	C9	GAPDH 119	Unknown	23.55			
<input checked="" type="checkbox"/>	C10	GAPDH 120	Unknown	24.54			
<input checked="" type="checkbox"/>	C11	GAPDH 120	Unknown	24.34			
<input checked="" type="checkbox"/>	C12	GAPDH 120	Unknown	24.44			
<input checked="" type="checkbox"/>	D1	FCER1A 115	Unknown	29.64			

## Results

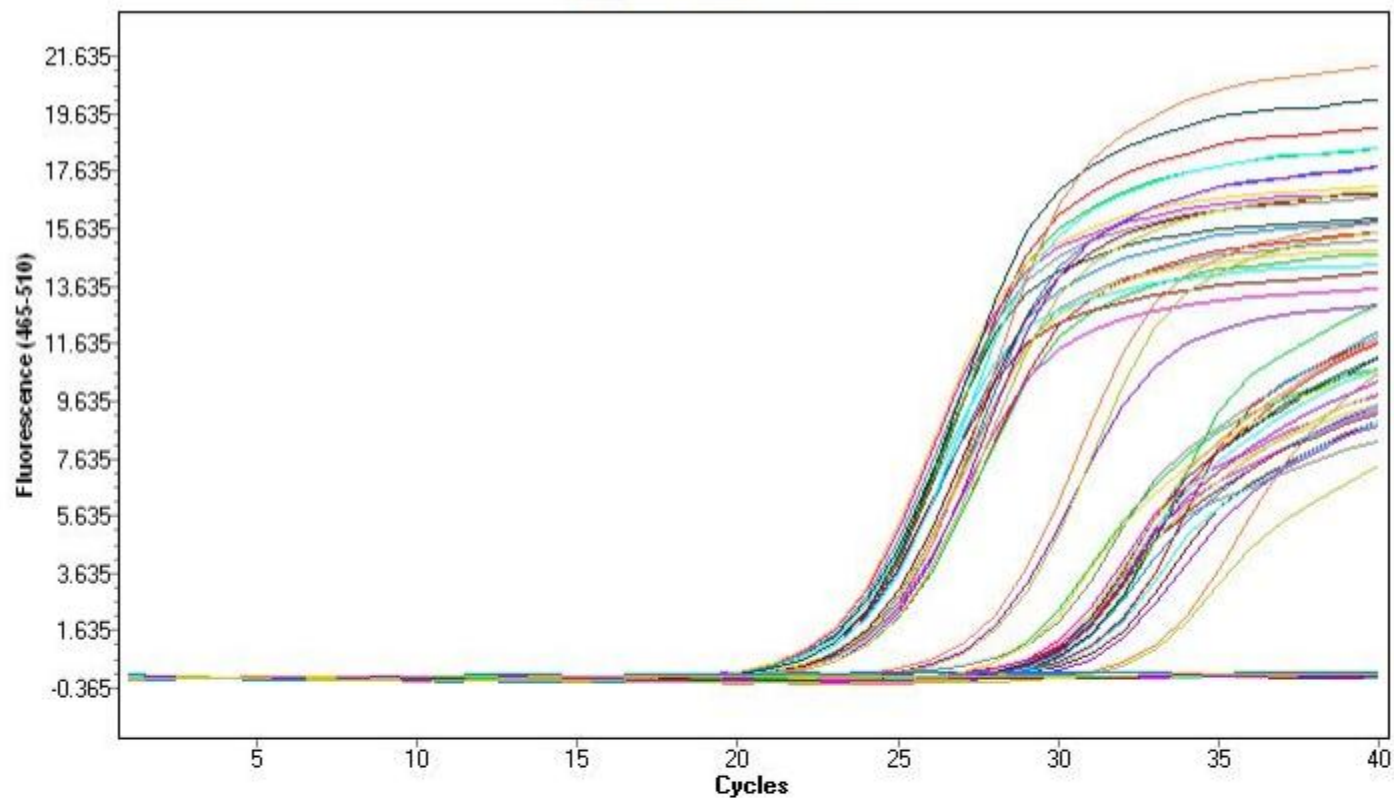
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	D2	FCER1A 115	Unknown	29.75			
<input checked="" type="checkbox"/>	D3	FCER1A 115	Unknown	28.10			
<input checked="" type="checkbox"/>	D4	FCER1A 117	Unknown	28.86			
<input checked="" type="checkbox"/>	D5	FCER1A 117	Unknown	28.72			
<input checked="" type="checkbox"/>	D6	FCER1A 117	Unknown	28.07			
<input checked="" type="checkbox"/>	D7	FCER1A 119	Unknown	29.21			
<input checked="" type="checkbox"/>	D8	FCER1A 119	Unknown	29.36			
<input checked="" type="checkbox"/>	D9	FCER1A 119	Unknown	29.31			
<input checked="" type="checkbox"/>	D10	FCER1A 120	Unknown	29.51			
<input checked="" type="checkbox"/>	D11	FCER1A 120	Unknown	29.44			
<input checked="" type="checkbox"/>	D12	FCER1A 120	Unknown	29.45			
<input checked="" type="checkbox"/>	E1		Unknown				
<input checked="" type="checkbox"/>	E2		Unknown				
<input checked="" type="checkbox"/>	E3		Unknown				
<input checked="" type="checkbox"/>	E4		Unknown				
<input checked="" type="checkbox"/>	E5		Unknown				
<input checked="" type="checkbox"/>	E6		Unknown				
<input checked="" type="checkbox"/>	E7		Unknown				
<input checked="" type="checkbox"/>	E8		Unknown				
<input checked="" type="checkbox"/>	E9		Unknown				
<input checked="" type="checkbox"/>	E10		Unknown				
<input checked="" type="checkbox"/>	E11		Unknown				
<input checked="" type="checkbox"/>	E12		Unknown				
<input checked="" type="checkbox"/>	F1		Unknown				
<input checked="" type="checkbox"/>	F2		Unknown				
<input checked="" type="checkbox"/>	F3		Unknown				
<input checked="" type="checkbox"/>	F4		Unknown				
<input checked="" type="checkbox"/>	F5		Unknown				
<input checked="" type="checkbox"/>	F6		Unknown				
<input checked="" type="checkbox"/>	F7		Unknown				
<input checked="" type="checkbox"/>	F8		Unknown				
<input checked="" type="checkbox"/>	F9		Unknown				
<input checked="" type="checkbox"/>	F10		Unknown				
<input checked="" type="checkbox"/>	F11		Unknown				
<input checked="" type="checkbox"/>	F12		Unknown				
<input checked="" type="checkbox"/>	G1		Unknown				
<input checked="" type="checkbox"/>	G2		Unknown				

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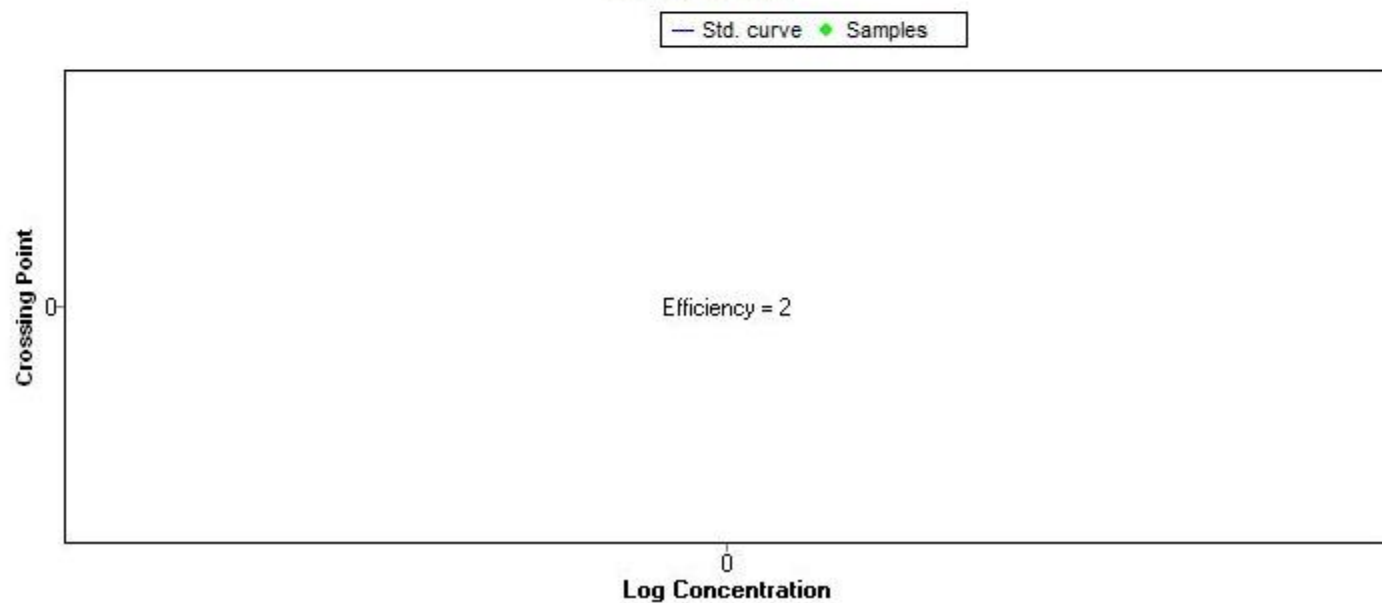
**Results**

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				

### 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	0.5250	STD Dev Multiplier	12.0000	
# of Fit Points	2	Threshold Method	Auto	Threshold	0.5250	

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	21.37			
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	21.58			
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	21.69			
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	20.96			
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	20.87			
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	20.93			
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	20.54			
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	19.96			
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	20.16			
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	24.26			
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	25.13			
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	25.37			
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown	28.68			
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown	28.85			
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown	28.35			
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	27.84			
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	27.87			
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	27.79			
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	28.99			
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	28.86			
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	28.50			
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	30.97			
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	29.74			
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	31.31			
<input checked="" type="checkbox"/>	C1	GAPDH 115	Unknown	20.57			
<input checked="" type="checkbox"/>	C2	GAPDH 115	Unknown	20.60			
<input checked="" type="checkbox"/>	C3	GAPDH 115	Unknown	20.70			

## Results

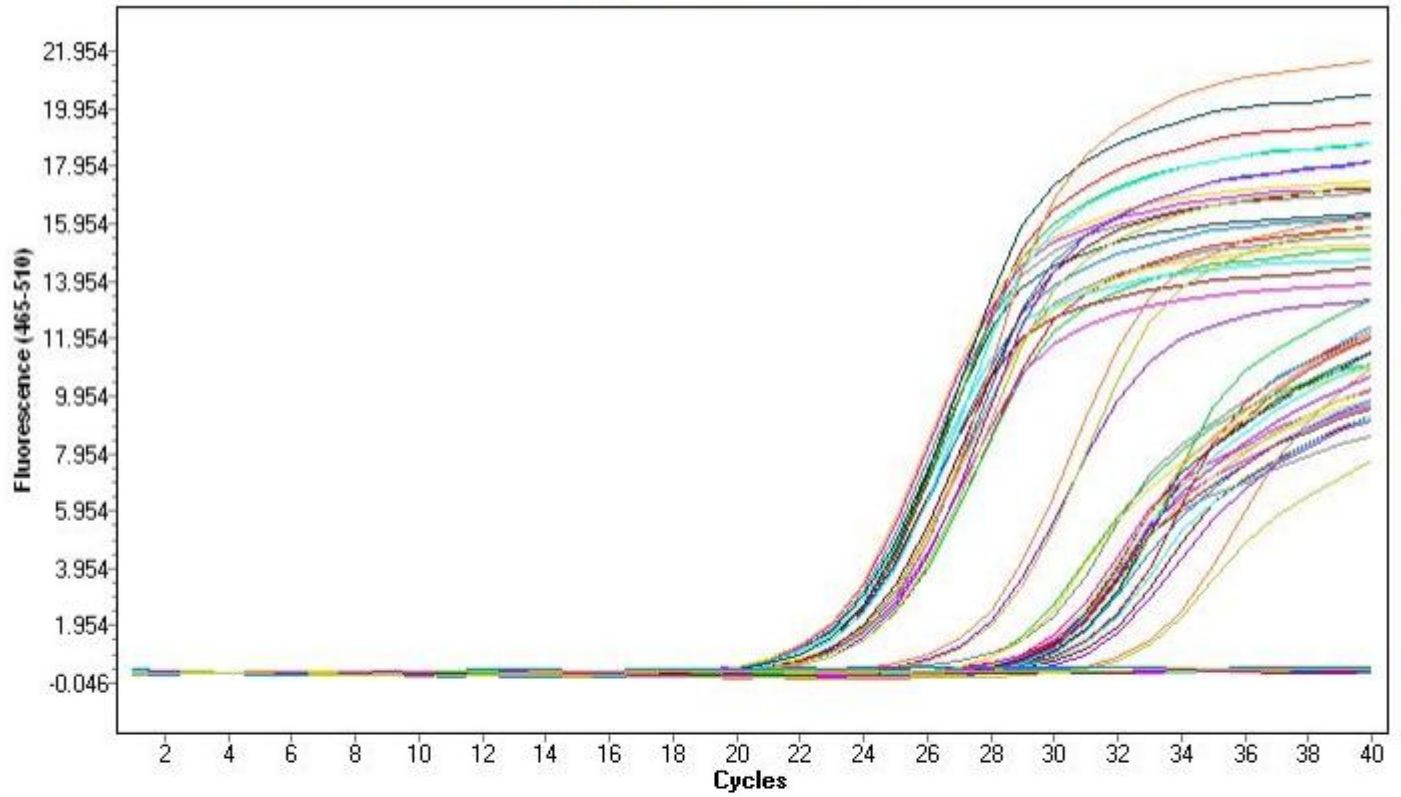
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C4	GAPDH 117	Unknown	19.94			
<input checked="" type="checkbox"/>	C5	GAPDH 117	Unknown	20.36			
<input checked="" type="checkbox"/>	C6	GAPDH 117	Unknown	19.95			
<input checked="" type="checkbox"/>	C7	GAPDH 119	Unknown	20.98			
<input checked="" type="checkbox"/>	C8	GAPDH 119	Unknown	20.78			
<input checked="" type="checkbox"/>	C9	GAPDH 119	Unknown	20.47			
<input checked="" type="checkbox"/>	C10	GAPDH 120	Unknown	21.40			
<input checked="" type="checkbox"/>	C11	GAPDH 120	Unknown	21.58			
<input checked="" type="checkbox"/>	C12	GAPDH 120	Unknown	21.76			
<input checked="" type="checkbox"/>	D1	FCER1A 115	Unknown	28.86			
<input checked="" type="checkbox"/>	D2	FCER1A 115	Unknown	26.95			
<input checked="" type="checkbox"/>	D3	FCER1A 115	Unknown	26.95			
<input checked="" type="checkbox"/>	D4	FCER1A 117	Unknown	27.57			
<input checked="" type="checkbox"/>	D5	FCER1A 117	Unknown	25.08			
<input checked="" type="checkbox"/>	D6	FCER1A 117	Unknown	27.05			
<input checked="" type="checkbox"/>	D7	FCER1A 119	Unknown	28.36			
<input checked="" type="checkbox"/>	D8	FCER1A 119	Unknown	28.15			
<input checked="" type="checkbox"/>	D9	FCER1A 119	Unknown	28.22			
<input checked="" type="checkbox"/>	D10	FCER1A 120	Unknown	28.49			
<input checked="" type="checkbox"/>	D11	FCER1A 120	Unknown	28.39			
<input checked="" type="checkbox"/>	D12	FCER1A 120	Unknown	28.62			
<input checked="" type="checkbox"/>	E1		Unknown				
<input checked="" type="checkbox"/>	E2		Unknown				
<input checked="" type="checkbox"/>	E3		Unknown				
<input checked="" type="checkbox"/>	E4		Unknown				
<input checked="" type="checkbox"/>	E5		Unknown				
<input checked="" type="checkbox"/>	E6		Unknown				
<input checked="" type="checkbox"/>	E7		Unknown				
<input checked="" type="checkbox"/>	E8		Unknown				
<input checked="" type="checkbox"/>	E9		Unknown				
<input checked="" type="checkbox"/>	E10		Unknown				
<input checked="" type="checkbox"/>	E11		Unknown				
<input checked="" type="checkbox"/>	E12		Unknown				
<input checked="" type="checkbox"/>	F1		Unknown				
<input checked="" type="checkbox"/>	F2		Unknown				
<input checked="" type="checkbox"/>	F3		Unknown				
<input checked="" type="checkbox"/>	F4		Unknown				

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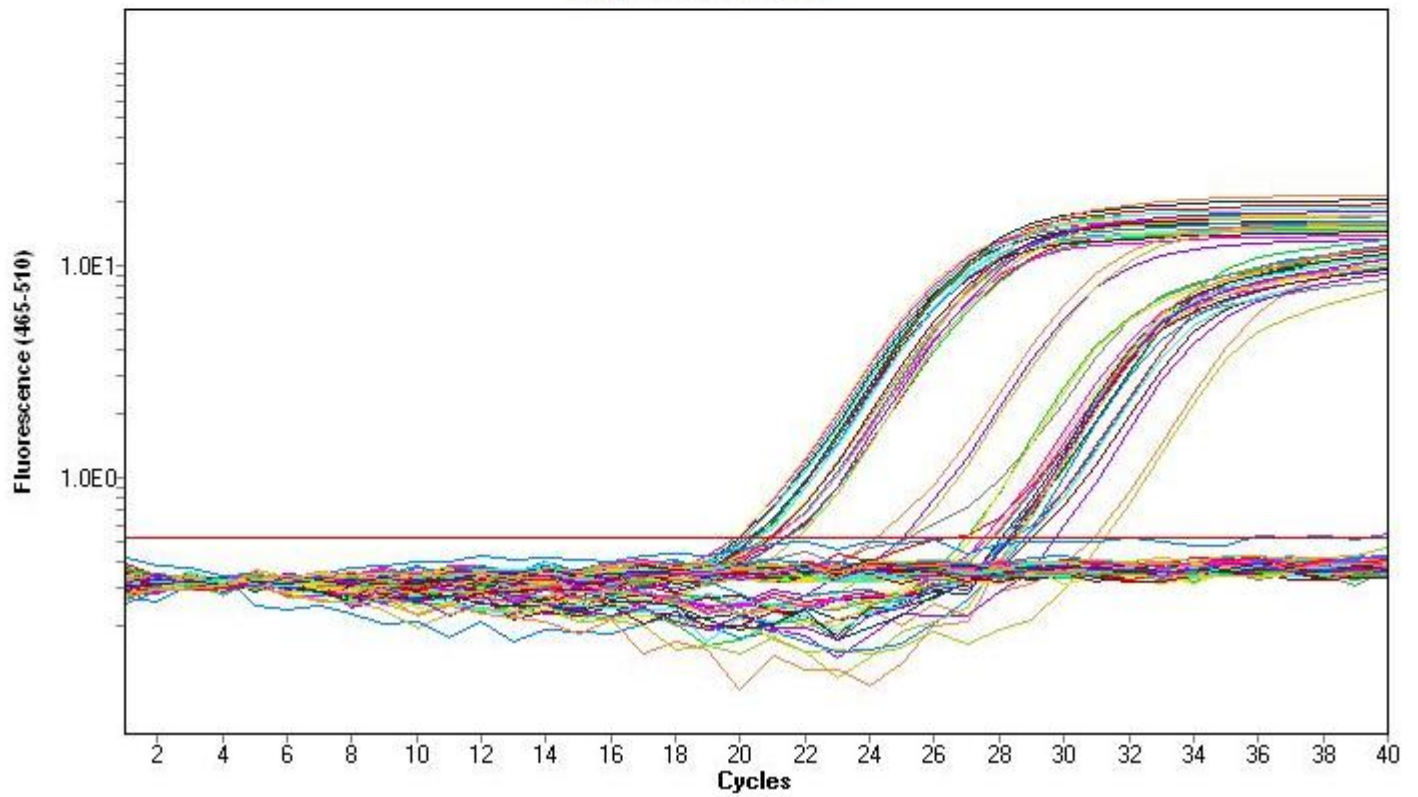
**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	F5		Unknown				
<input checked="" type="checkbox"/>	F6		Unknown				
<input checked="" type="checkbox"/>	F7		Unknown				
<input checked="" type="checkbox"/>	F8		Unknown				
<input checked="" type="checkbox"/>	F9		Unknown				
<input checked="" type="checkbox"/>	F10		Unknown				
<input checked="" type="checkbox"/>	F11		Unknown				
<input checked="" type="checkbox"/>	F12		Unknown				
<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				
<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				

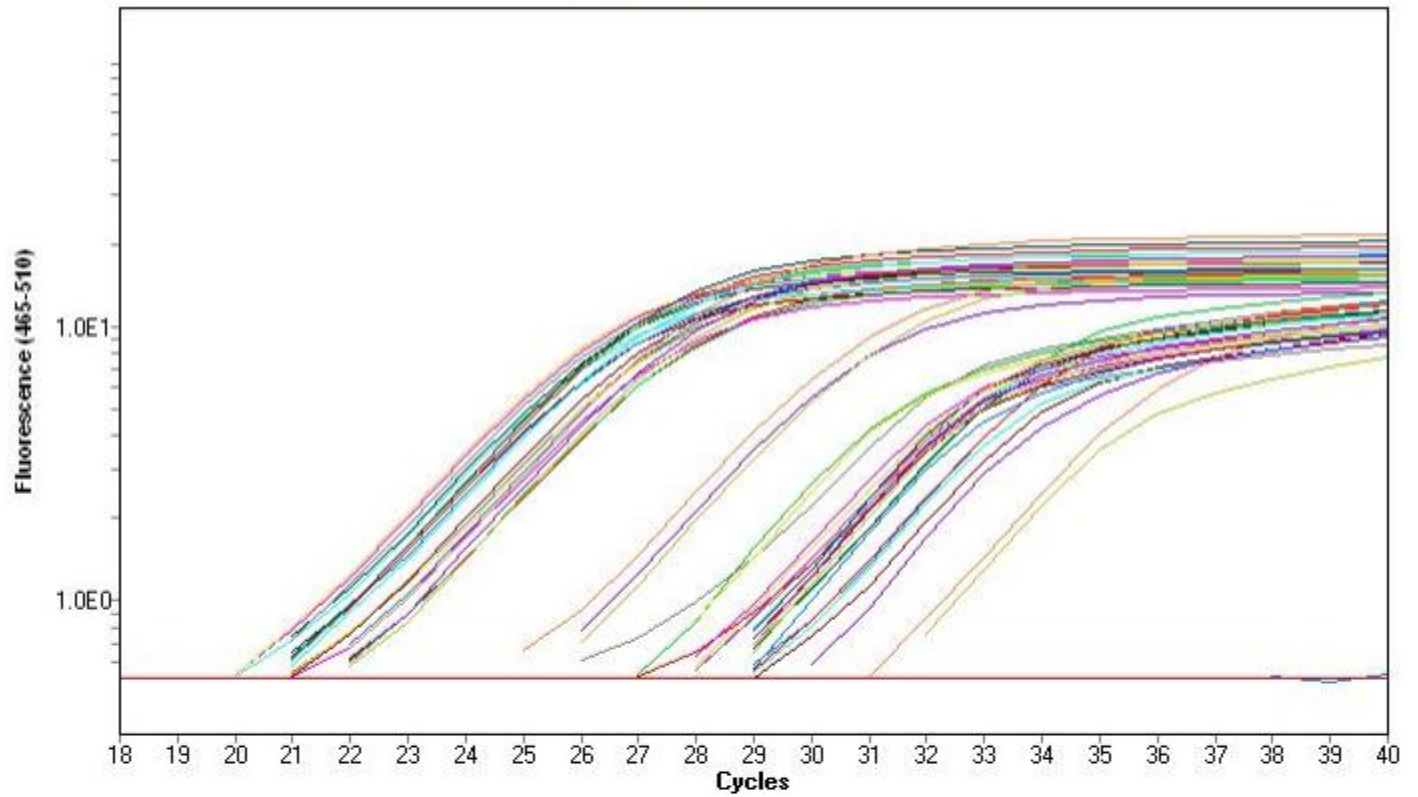
**Amplification Curves**



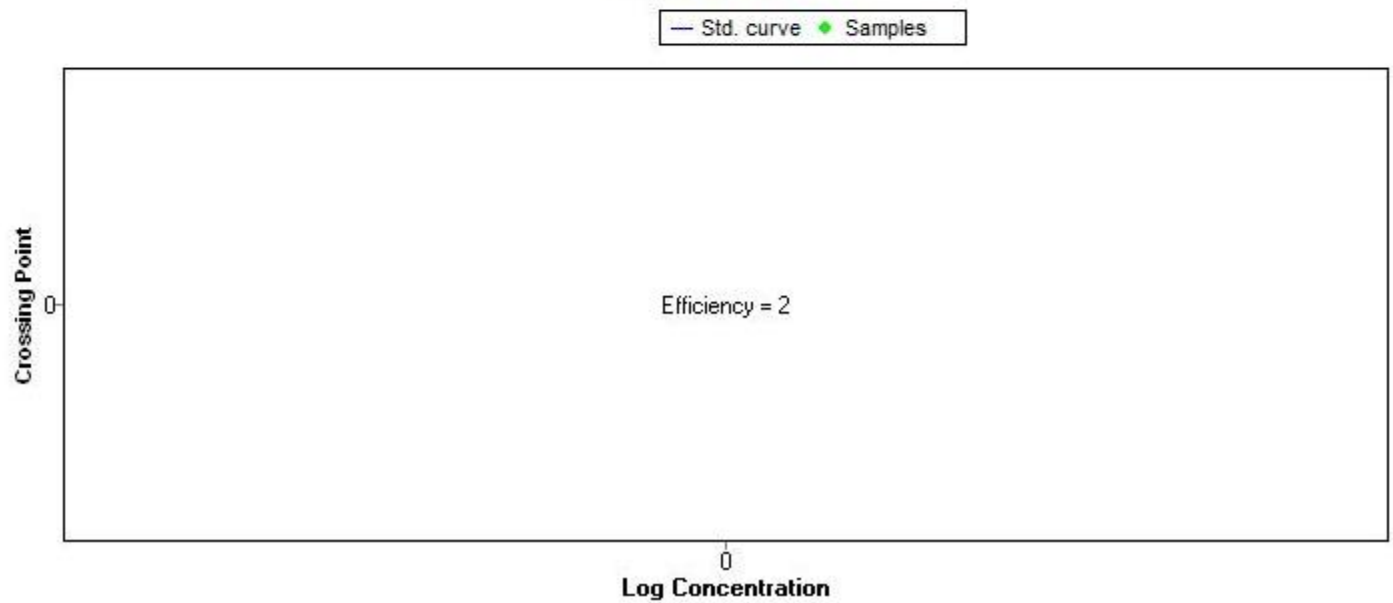
**Amplification Curves**



### Amplification Curves

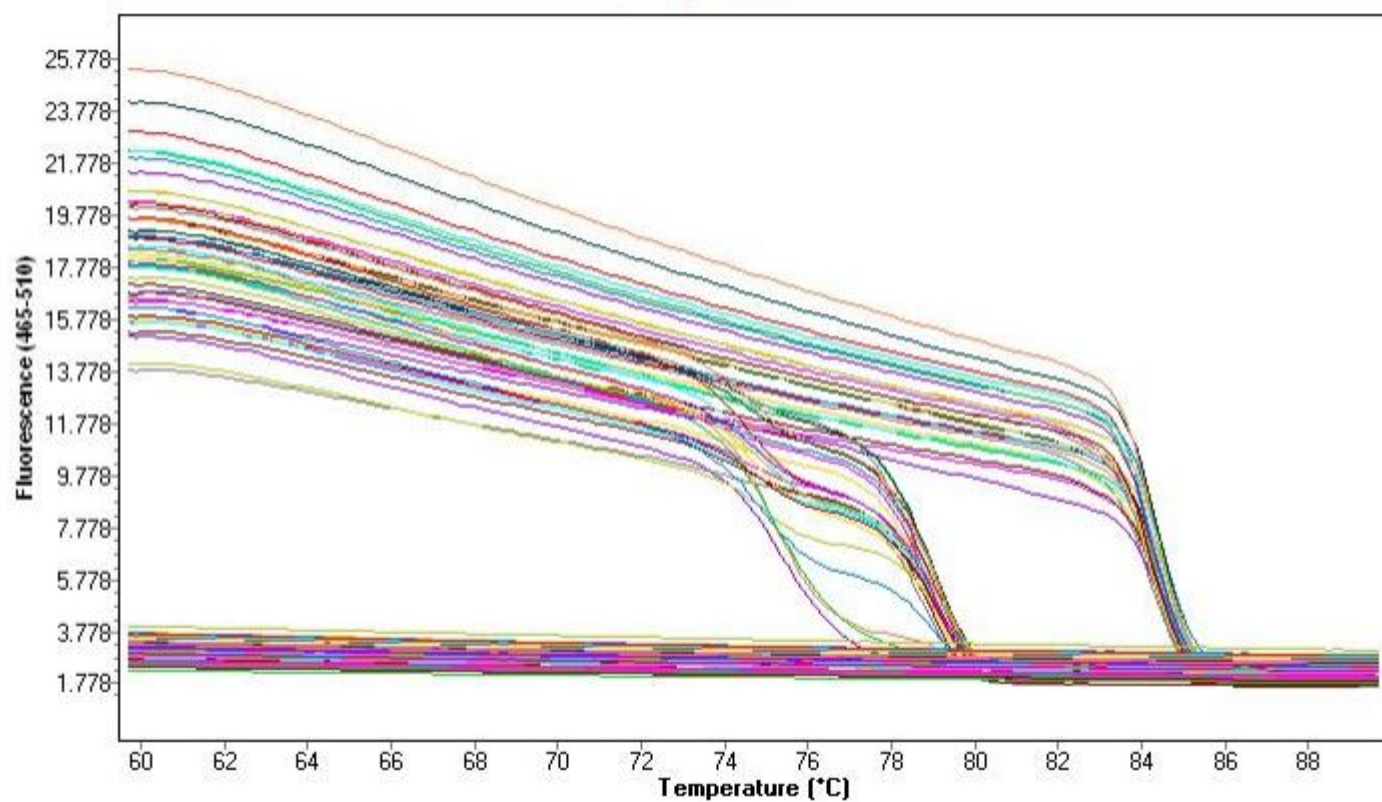


### Standard Curve

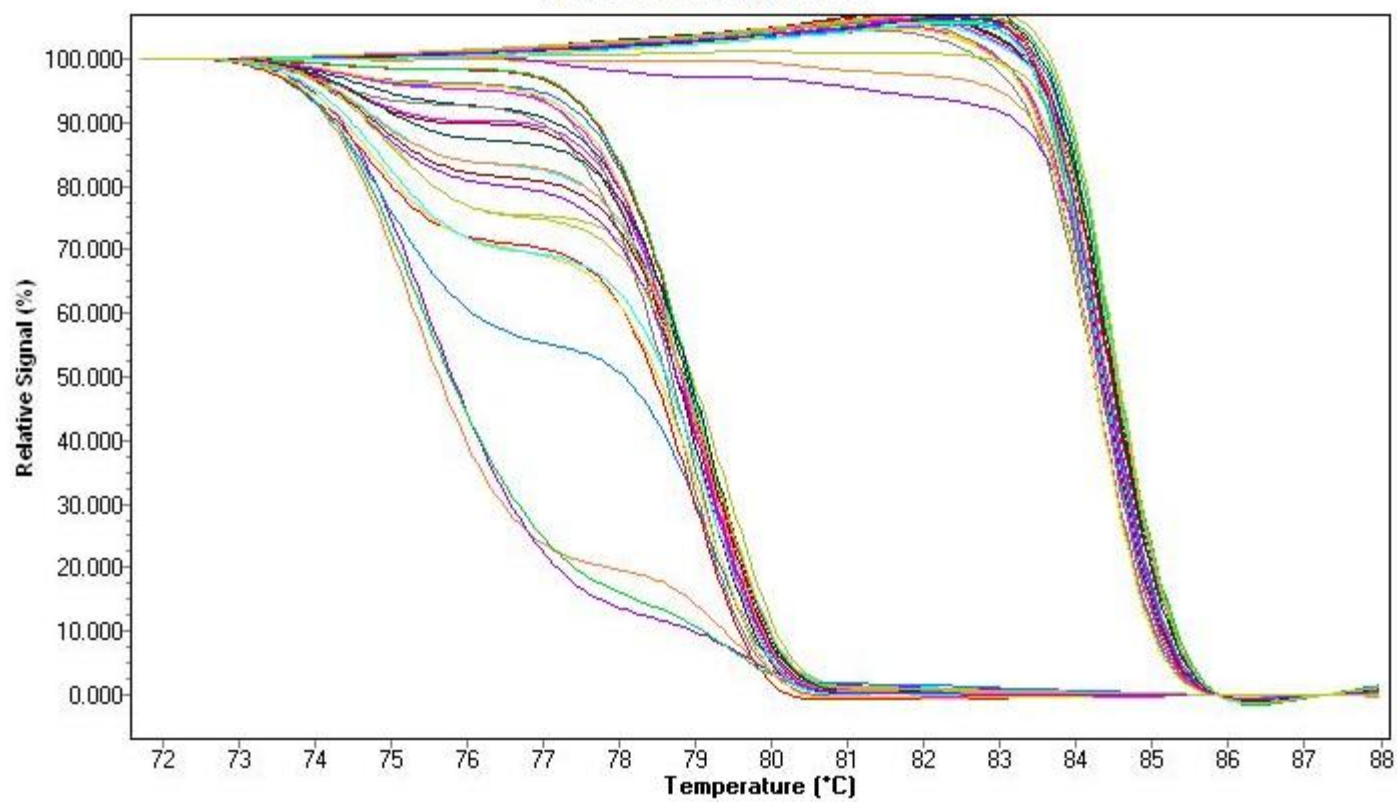


### Analysis Notes

### Melting Curves

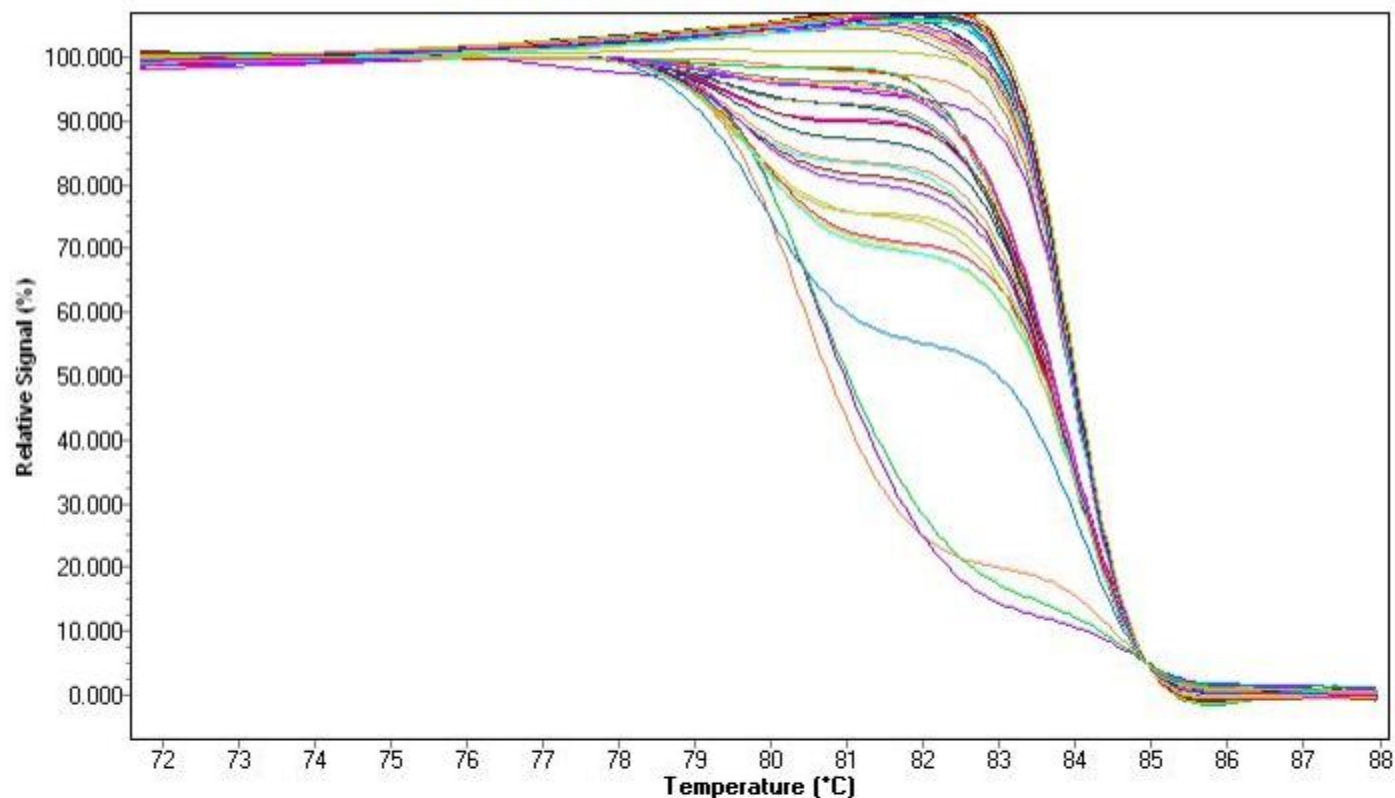


### Normalized Melting Curves

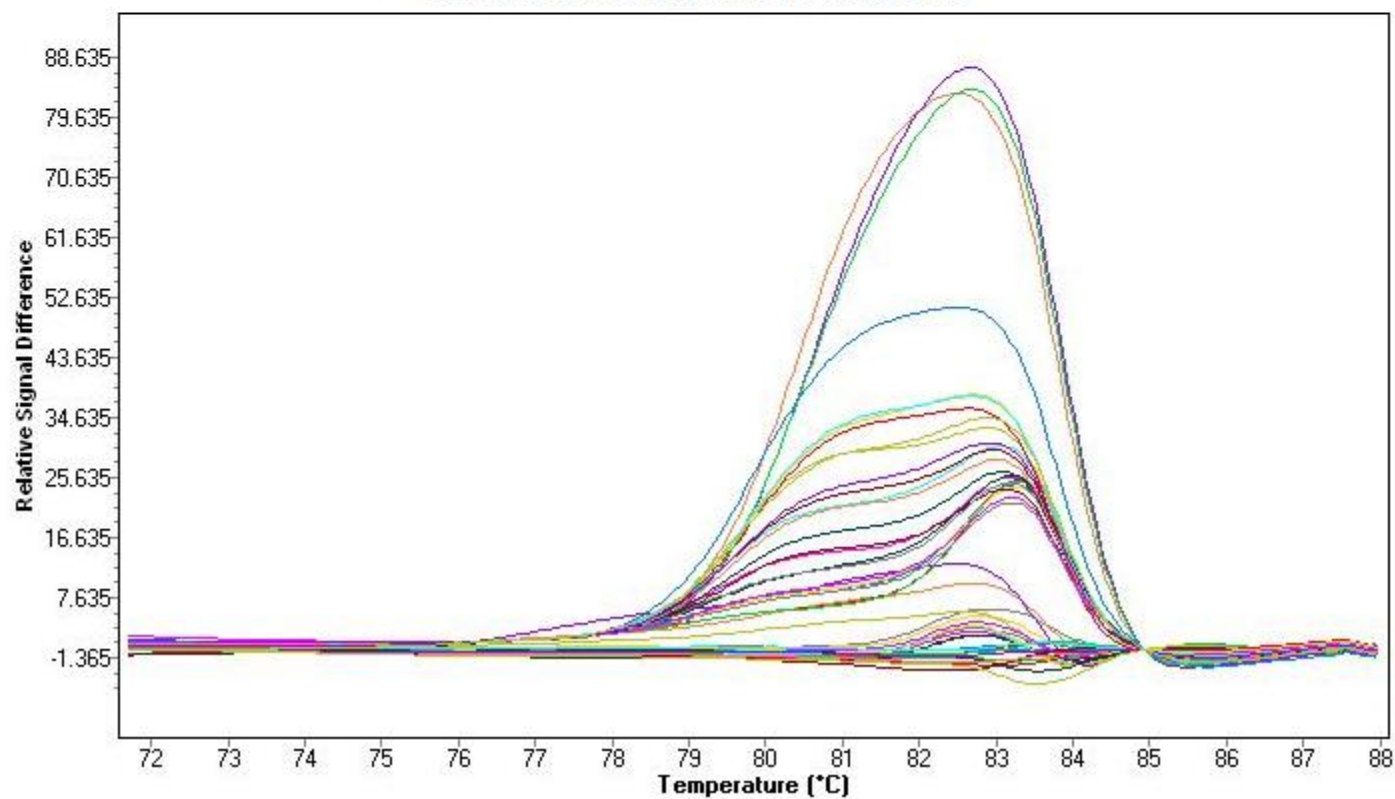




**Normalized and Shifted Melting Curves**



**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	63-85
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	1	0.99	0.91	
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	1	0.99	0.91	
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	1	0.99	0.91	
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	1	0.99	0.91	
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	1	0.99	0.91	
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	1	0.99	0.90	
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	1	0.97	0.88	
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	1	0.95	0.84	
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown	2	0.89	0.34	
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown	2	0.82	0.33	
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown	2	0.83	0.33	
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	2	0.98	0.30	
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	2	0.85	0.23	
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	2	0.88	0.30	
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	2	0.97	0.27	
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	2	0.98	0.29	
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	2	0.93	0.33	
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	3	0.98	0.40	
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	3	0.99	0.30	
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	2	0.88	0.25	
<input checked="" type="checkbox"/>	C1	GAPDH 115	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	C2	GAPDH 115	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	C3	GAPDH 115	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	C4	GAPDH 117	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	C5	GAPDH 117	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	C6	GAPDH 117	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	C7	GAPDH 119	Unknown	1	0.99	0.93	



## Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	C8	GAPDH 119	Unknown	1	0.99	0.93	
<input checked="" type="checkbox"/>	C9	GAPDH 119	Unknown	1	0.99	0.91	
<input checked="" type="checkbox"/>	C10	GAPDH 120	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	C11	GAPDH 120	Unknown	1	0.99	0.92	
<input checked="" type="checkbox"/>	C12	GAPDH 120	Unknown	1	1.00	0.91	
<input checked="" type="checkbox"/>	D1	FCER1A 115	Unknown	Unknown	0.67	0.10	
<input checked="" type="checkbox"/>	D2	FCER1A 115	Unknown	2	0.81	0.18	
<input checked="" type="checkbox"/>	D3	FCER1A 115	Unknown	3	1.00	0.33	
<input checked="" type="checkbox"/>	D4	FCER1A 117	Unknown	2	0.88	0.30	
<input checked="" type="checkbox"/>	D5	FCER1A 117	Unknown	2	0.93	0.20	
<input checked="" type="checkbox"/>	D6	FCER1A 117	Unknown	2	0.79	0.16	
<input checked="" type="checkbox"/>	D7	FCER1A 119	Unknown	2	0.96	0.27	
<input checked="" type="checkbox"/>	D8	FCER1A 119	Unknown	2	0.80	0.17	
<input checked="" type="checkbox"/>	D9	FCER1A 119	Unknown	2	1.00	0.33	
<input checked="" type="checkbox"/>	D10	FCER1A 120	Unknown	2	0.98	0.27	
<input checked="" type="checkbox"/>	D11	FCER1A 120	Unknown	2	0.94	0.22	
<input checked="" type="checkbox"/>	D12	FCER1A 120	Unknown	2	0.89	0.22	
<input checked="" type="checkbox"/>	E1		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E2		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E3		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E4		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E5		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E6		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E7		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E8		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E9		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E10		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E11		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	E12		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F1		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F2		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F3		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F4		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F5		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F6		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F7		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F8		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F9		Unknown	Negative	1.00	1.00	

## Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
<input checked="" type="checkbox"/>	F10		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F11		Unknown	Negative	1.00	1.00	
<input checked="" type="checkbox"/>	F12		Unknown	Negative	1.00	1.00	
<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	

## Group 1

Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A1	GAPDH 102	Unknown	0.99	0.91	
<input checked="" type="checkbox"/>	A2	GAPDH 102	Unknown	0.99	0.91	
<input checked="" type="checkbox"/>	A3	GAPDH 102	Unknown	0.99	0.91	
<input checked="" type="checkbox"/>	A4	GAPDH 107	Unknown	0.99	0.91	
<input checked="" type="checkbox"/>	A5	GAPDH 107	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	A6	GAPDH 107	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	A7	GAPDH 110	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	A8	GAPDH 110	Unknown	0.99	0.91	

Group 1						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	A9	GAPDH 110	Unknown	0.99	0.90	
<input checked="" type="checkbox"/>	A10	GAPDH 113	Unknown	0.97	0.88	
<input checked="" type="checkbox"/>	A11	GAPDH 113	Unknown	0.95	0.84	
<input checked="" type="checkbox"/>	A12	GAPDH 113	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	C1	GAPDH 115	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	C2	GAPDH 115	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C3	GAPDH 115	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C4	GAPDH 117	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C5	GAPDH 117	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C6	GAPDH 117	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	C7	GAPDH 119	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C8	GAPDH 119	Unknown	0.99	0.93	
<input checked="" type="checkbox"/>	C9	GAPDH 119	Unknown	0.99	0.91	
<input checked="" type="checkbox"/>	C10	GAPDH 120	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	C11	GAPDH 120	Unknown	0.99	0.92	
<input checked="" type="checkbox"/>	C12	GAPDH 120	Unknown	1.00	0.91	

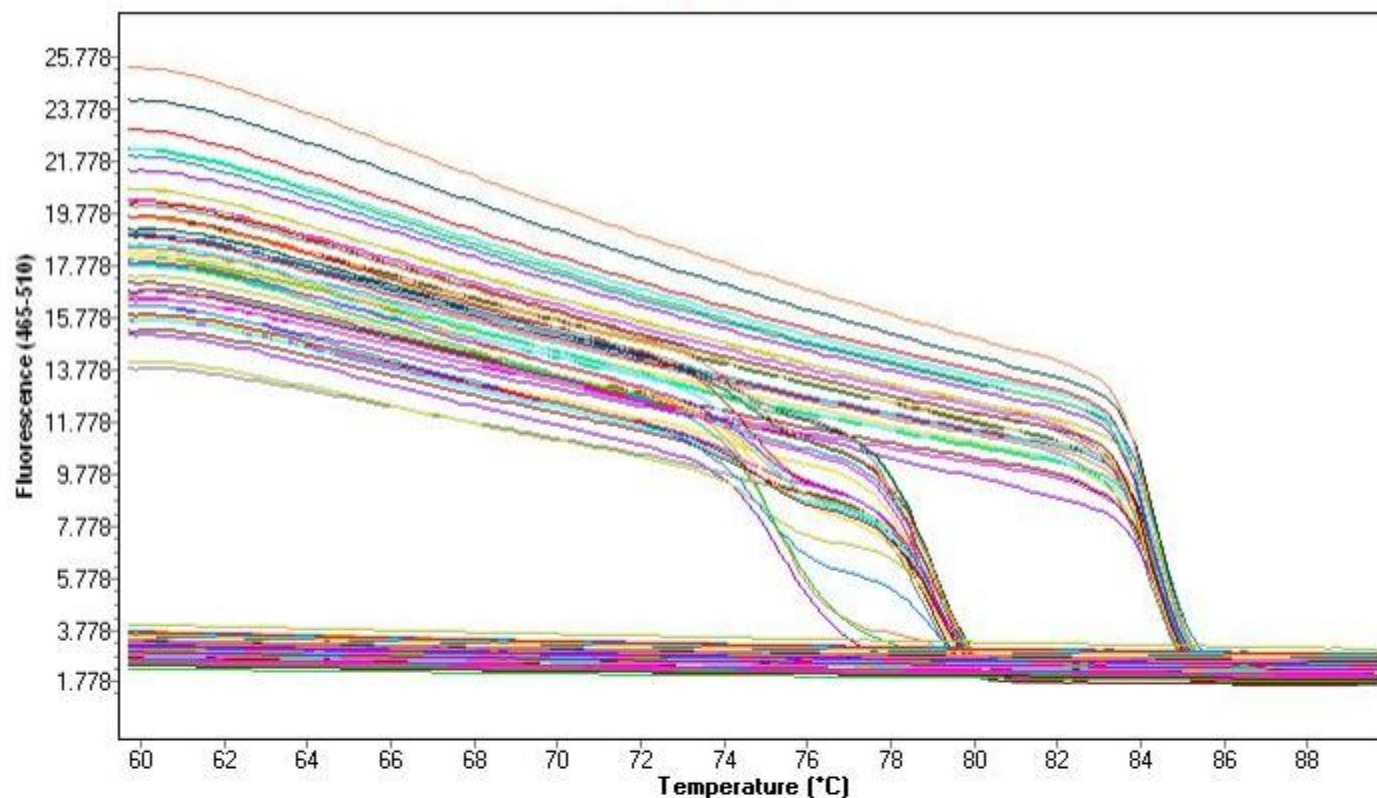
Group 2						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	B1	FCER1A 102	Unknown	0.89	0.34	
<input checked="" type="checkbox"/>	B2	FCER1A 102	Unknown	0.82	0.33	
<input checked="" type="checkbox"/>	B3	FCER1A 102	Unknown	0.83	0.33	
<input checked="" type="checkbox"/>	B4	FCER1A 107	Unknown	0.98	0.30	
<input checked="" type="checkbox"/>	B5	FCER1A 107	Unknown	0.85	0.23	
<input checked="" type="checkbox"/>	B6	FCER1A 107	Unknown	0.88	0.30	
<input checked="" type="checkbox"/>	B7	FCER1A 110	Unknown	0.97	0.27	
<input checked="" type="checkbox"/>	B8	FCER1A 110	Unknown	0.98	0.29	
<input checked="" type="checkbox"/>	B9	FCER1A 110	Unknown	0.93	0.33	
<input checked="" type="checkbox"/>	B12	FCER1A 113	Unknown	0.88	0.25	
<input checked="" type="checkbox"/>	D2	FCER1A 115	Unknown	0.81	0.18	
<input checked="" type="checkbox"/>	D4	FCER1A 117	Unknown	0.88	0.30	
<input checked="" type="checkbox"/>	D5	FCER1A 117	Unknown	0.93	0.20	
<input checked="" type="checkbox"/>	D6	FCER1A 117	Unknown	0.79	0.16	
<input checked="" type="checkbox"/>	D7	FCER1A 119	Unknown	0.96	0.27	
<input checked="" type="checkbox"/>	D8	FCER1A 119	Unknown	0.80	0.17	
<input checked="" type="checkbox"/>	D9	FCER1A 119	Unknown	1.00	0.33	
<input checked="" type="checkbox"/>	D10	FCER1A 120	Unknown	0.98	0.27	
<input checked="" type="checkbox"/>	D11	FCER1A 120	Unknown	0.94	0.22	

<b>Group</b> 2						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	D12	FCER1A 120	Unknown	0.89	0.22	
<b>Group</b> 3						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	B10	FCER1A 113	Unknown	0.98	0.40	
<input checked="" type="checkbox"/>	B11	FCER1A 113	Unknown	0.99	0.30	
<input checked="" type="checkbox"/>	D3	FCER1A 115	Unknown	1.00	0.33	
<b>Group</b> Negative						
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	E1		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E2		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E3		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E4		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E5		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E6		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E7		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E8		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E9		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E10		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E11		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	E12		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F1		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F2		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F3		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F4		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F5		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F6		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F7		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F8		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F9		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F10		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F11		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	F12		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G1		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G2		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G3		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G4		Unknown	1.00	1.00	

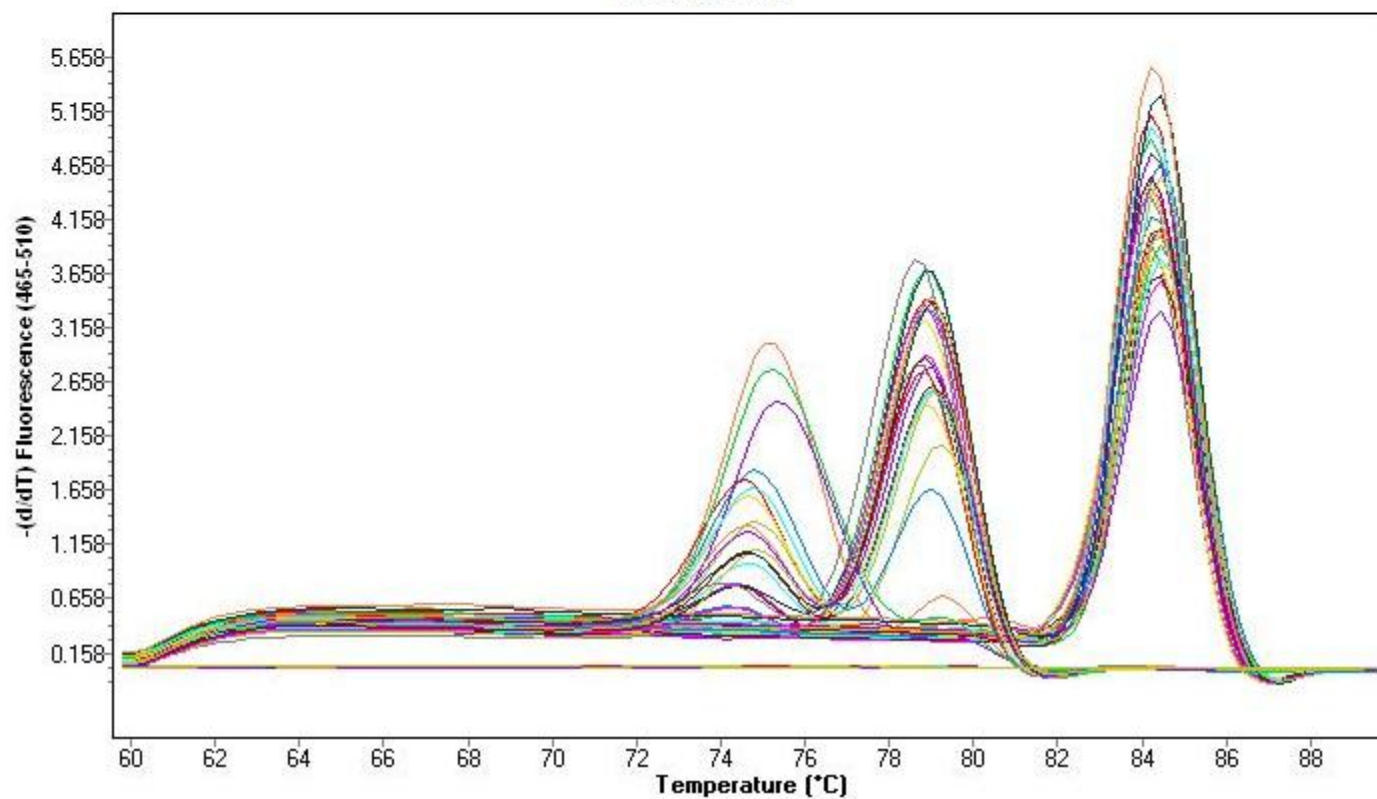
Group		Negative				
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	G5		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G6		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G7		Unknown	1.00	1.00	
<input checked="" type="checkbox"/>	G8		Unknown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

Group		Unknown				
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
<input checked="" type="checkbox"/>	D1	FCER1A 115	Unknown	0.67	0.10	

### 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	84.55	11.02	2.27	4.86					
<input checked="" type="checkbox"/>	A2	GAPDH 102	84.45	9.44	2.19	4.30					
<input checked="" type="checkbox"/>	A3	GAPDH 102	84.53	8.80	2.18	4.04					
<input checked="" type="checkbox"/>	A4	GAPDH 107	84.51	8.59	2.29	3.75					
<input checked="" type="checkbox"/>	A5	GAPDH 107	84.25	8.70	2.13	4.08					
<input checked="" type="checkbox"/>	A6	GAPDH 107	84.38	9.14	2.26	3.94					
<input checked="" type="checkbox"/>	A7	GAPDH 110	84.46	8.76	2.29	3.82					
<input checked="" type="checkbox"/>	A8	GAPDH 110	84.53	9.09	2.31	3.94					
<input checked="" type="checkbox"/>	A9	GAPDH 110	84.53	8.94	2.13	4.20					
<input checked="" type="checkbox"/>	A10	GAPDH 113	84.48	8.88	2.11	4.20					
<input checked="" type="checkbox"/>	A11	GAPDH 113	84.51	7.29	2.09	3.49					
<input checked="" type="checkbox"/>	A12	GAPDH 113	84.59	8.69	2.06	4.21					
<input checked="" type="checkbox"/>	B1	FCER1A 102	78.97	8.70	2.50	3.48					
<input checked="" type="checkbox"/>	B2	FCER1A 102	78.94	8.80	2.47	3.56					
<input checked="" type="checkbox"/>	B3	FCER1A 102	78.94	9.61	2.50	3.85					
<input checked="" type="checkbox"/>	B4	FCER1A 107	74.26	0.99	1.94	0.51	78.91	7.35	2.44	3.01	
<input checked="" type="checkbox"/>	B5	FCER1A 107	78.74	7.22	2.46	2.93					
<input checked="" type="checkbox"/>	B6	FCER1A 107	78.86	8.08	2.42	3.34					
<input checked="" type="checkbox"/>	B7	FCER1A 110	74.26	0.94	1.91	0.49	78.86	7.16	2.40	2.98	
<input checked="" type="checkbox"/>	B8	FCER1A 110	74.61	1.41	1.97	0.72	79.09	6.49	2.44	2.66	
<input checked="" type="checkbox"/>	B9	FCER1A 110	78.96	9.49	2.49	3.82					
<input checked="" type="checkbox"/>	B10	FCER1A 113	75.30	8.23	2.69	3.06	79.43	1.58	2.25	0.70	
<input checked="" type="checkbox"/>	B11	FCER1A 113	75.58	7.50	3.00	2.50	79.63	0.72	2.28	0.26	
<input checked="" type="checkbox"/>	B12	FCER1A 113	74.85	1.75	1.94	0.90	79.27	5.06	2.36	2.15	
<input checked="" type="checkbox"/>	C1	GAPDH 115	84.40	9.47	2.17	4.36					
<input checked="" type="checkbox"/>	C2	GAPDH 115	84.31	11.56	2.17	5.33					
<input checked="" type="checkbox"/>	C3	GAPDH 115	84.30	11.10	2.16	5.13					
<input checked="" type="checkbox"/>	C4	GAPDH 117	84.30	10.51	2.26	4.64					
<input checked="" type="checkbox"/>	C5	GAPDH 117	84.23	10.31	2.25	4.59					

## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	C6	GAPDH 117	84.20	10.45	2.25	4.64					
<input checked="" type="checkbox"/>	C7	GAPDH 119	84.30	10.29	2.18	4.72					
<input checked="" type="checkbox"/>	C8	GAPDH 119	84.35	11.26	2.20	5.15					
<input checked="" type="checkbox"/>	C9	GAPDH 119	84.46	11.74	2.15	5.47					
<input checked="" type="checkbox"/>	C10	GAPDH 120	84.37	12.68	2.18	5.82					
<input checked="" type="checkbox"/>	C11	GAPDH 120	84.35	10.94	2.21	4.95					
<input checked="" type="checkbox"/>	C12	GAPDH 120	84.53	10.23	2.16	4.73					
<input checked="" type="checkbox"/>	D1	FCER1A 115	74.88	4.55	2.51	1.82	79.05	4.50	2.40	1.87	
<input checked="" type="checkbox"/>	D2	FCER1A 115	74.55	3.35	2.27	1.47	78.85	6.80	2.38	2.85	
<input checked="" type="checkbox"/>	D3	FCER1A 115	75.46	8.63	3.09	2.80	79.30	1.22	2.57	0.47	
<input checked="" type="checkbox"/>	D4	FCER1A 117	78.87	8.56	2.46	3.49					
<input checked="" type="checkbox"/>	D5	FCER1A 117	73.93	0.83	1.81	0.45	78.67	9.61	2.46	3.91	
<input checked="" type="checkbox"/>	D6	FCER1A 117	74.70	2.95	2.20	1.34	78.97	6.20	2.46	2.52	
<input checked="" type="checkbox"/>	D7	FCER1A 119	74.62	1.66	2.04	0.81	79.07	6.55	2.42	2.71	
<input checked="" type="checkbox"/>	D8	FCER1A 119	74.79	3.22	2.26	1.42	79.06	6.36	2.39	2.67	
<input checked="" type="checkbox"/>	D9	FCER1A 119	74.55	1.56	2.12	0.74	79.06	8.54	2.43	3.51	
<input checked="" type="checkbox"/>	D10	FCER1A 120	74.55	2.07	2.10	0.98	79.02	8.61	2.44	3.54	
<input checked="" type="checkbox"/>	D11	FCER1A 120	74.64	2.09	2.14	0.98	79.01	7.05	2.46	2.87	
<input checked="" type="checkbox"/>	D12	FCER1A 120	74.83	2.31	2.07	1.11	79.17	6.46	2.43	2.66	
<input checked="" type="checkbox"/>	E1										
<input checked="" type="checkbox"/>	E2										
<input checked="" type="checkbox"/>	E3										
<input checked="" type="checkbox"/>	E4										
<input checked="" type="checkbox"/>	E5										
<input checked="" type="checkbox"/>	E6										
<input checked="" type="checkbox"/>	E7										
<input checked="" type="checkbox"/>	E8										
<input checked="" type="checkbox"/>	E9										
<input checked="" type="checkbox"/>	E10										
<input checked="" type="checkbox"/>	E11										
<input checked="" type="checkbox"/>	E12										
<input checked="" type="checkbox"/>	F1										
<input checked="" type="checkbox"/>	F2										
<input checked="" type="checkbox"/>	F3										
<input checked="" type="checkbox"/>	F4										
<input checked="" type="checkbox"/>	F5										

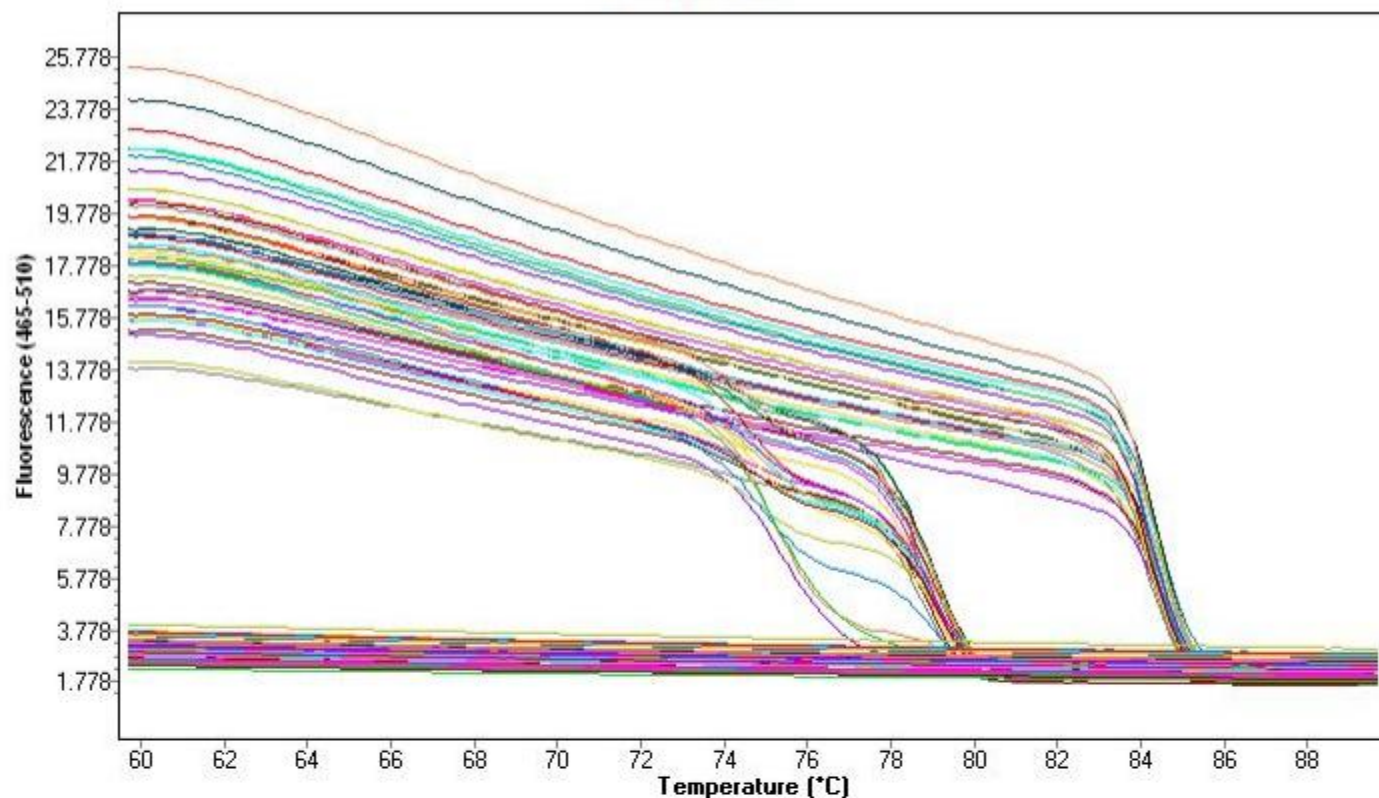


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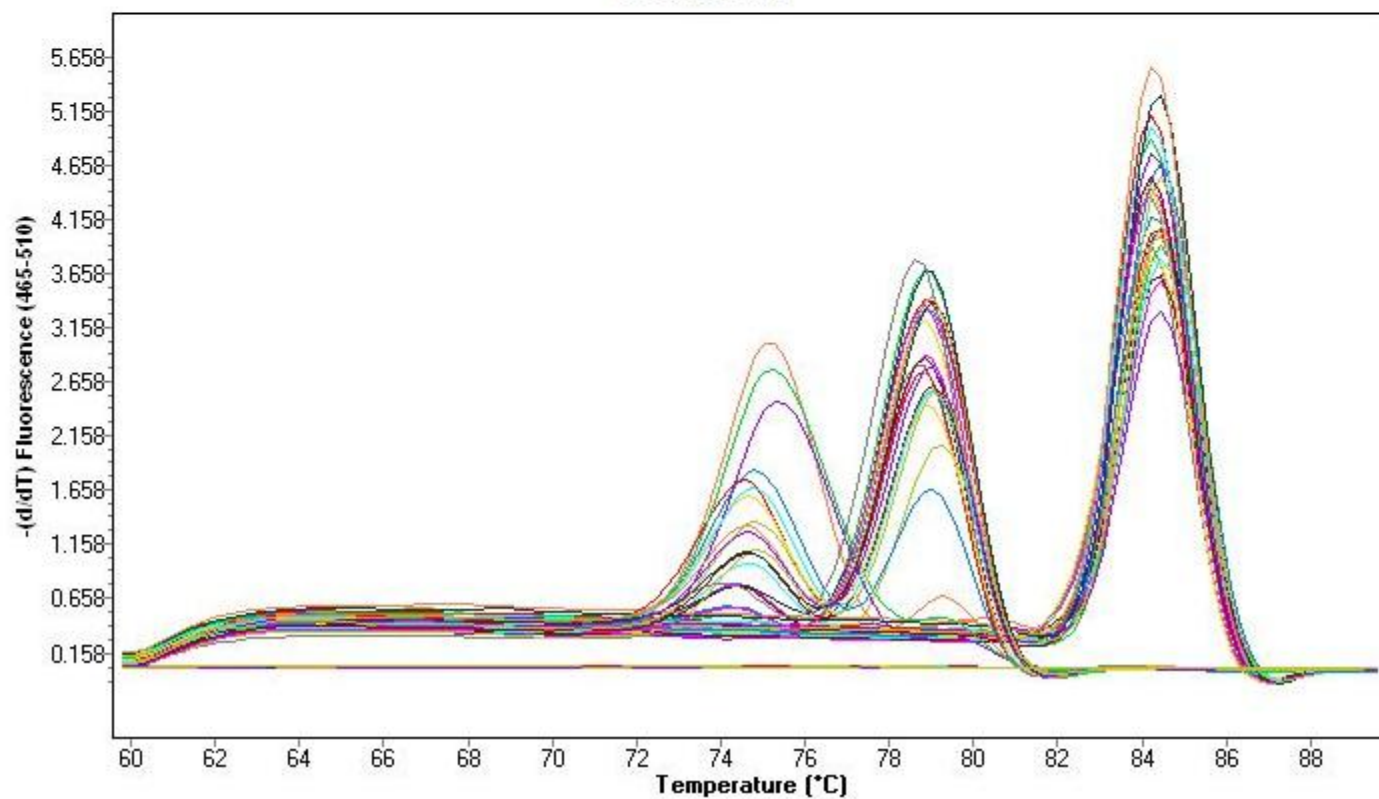
**Results**

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	F6										
<input checked="" type="checkbox"/>	F7										
<input checked="" type="checkbox"/>	F8										
<input checked="" type="checkbox"/>	F9										
<input checked="" type="checkbox"/>	F10										
<input checked="" type="checkbox"/>	F11										
<input checked="" type="checkbox"/>	F12										
<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