



## 180424\_nakamura

## Experiment

Creation Date	04/24/2018 15:07:25	Last Modified Date	04/24/2018 16:48:04
Operator	System Admin	Owner	System Admin
Start Time	04/24/2018 15:12:39	End Time	04/24/2018 16:36:50
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	SYBR Green I_THUNDERBIRDqPCR	Plate ID	02917219
Test ID		Lot ID	
Color Comp ID			
Run Notes			

## Programs

Program Name	pre-incubation						
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	00:01:00	4.80		0	0	0

Program Name	amplification						
Cycles	45	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	4.80		0	0	0
60	None	00:00:15	2.50		0	0	0
72	Single	00:00:45	4.80		0	0	0

Program Name	melting curve						
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	00:00:05	4.80		0	0	0
65	None	00:01:00	2.50		0	0	0
97	Continuous		0.11	5	0	0	0

Program Name	cooling						
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)

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	2.50		0	0	0

## Samples

Sample Count	20				
Subset	36B4				
Pos	Name	ID	Repl. Of	Sample Notes	
A1	Sample 1				
A2	Sample 2				
B2	Sample 26				
C1	Sample 49				
C2	Sample 50				
D2	Sample 74				
E1	Sample 97				
E2	Sample 98				
F2	Sample 122				
G1	Sample 145				
G2	Sample 146				
H2	Sample 170				
I1	Sample 193				
I2	Sample 194				
K1	Sample 241				
K2	Sample 242				
M1	Sample 289				
M2	Sample 290				
O1	Sample 337				
O2	Sample 338				

## Revision History

Revision	Date	User	Reason

## Abs Quant/2nd Derivative Max for 36B4 (Abs Quant/2nd Derivative Max)

### Settings

Channel	483-533		
Color Compensation	Off		
Program	amplification	Units	
Mode	High Confidence		

Subset Name	36B4
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### Results

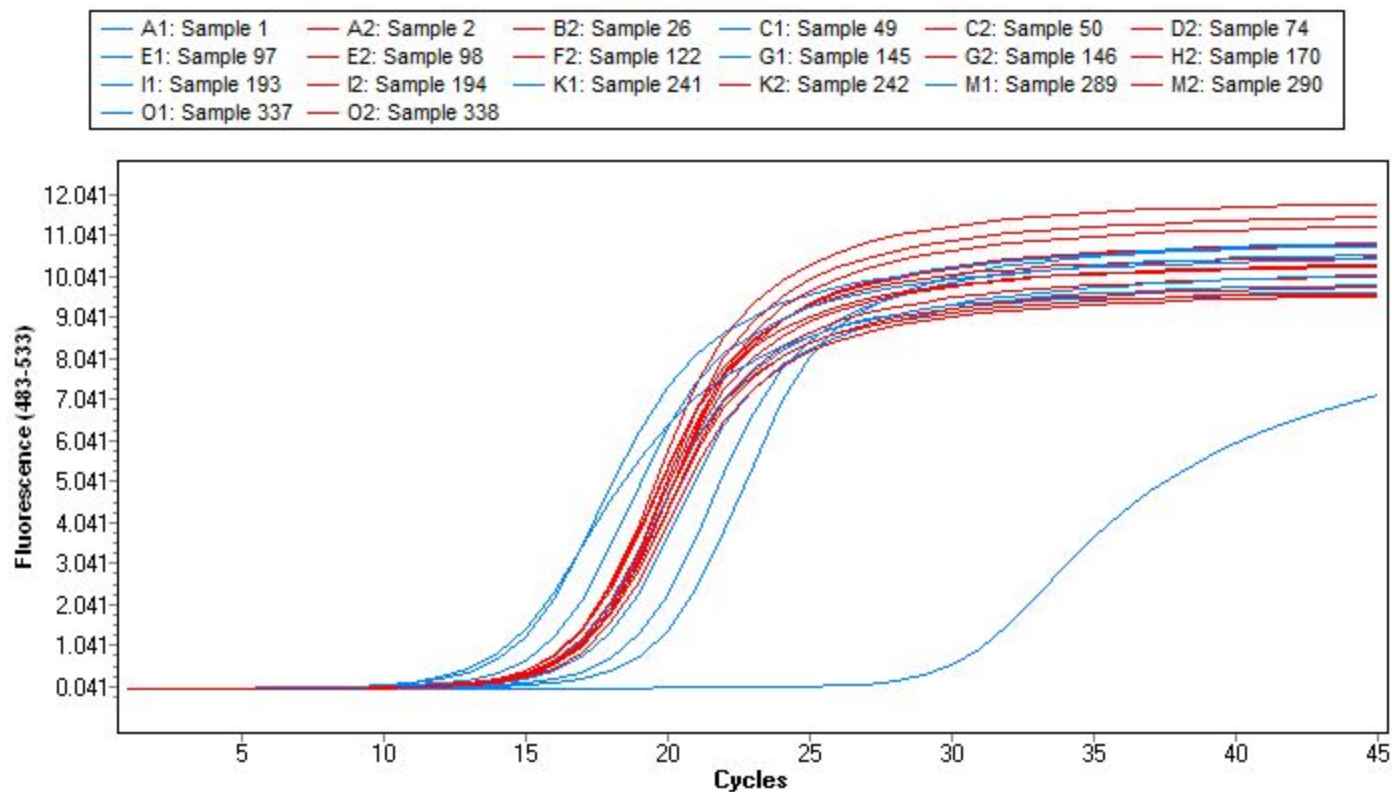
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
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**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	Sample 1	Negative Control	29.96	3.60E-2		
<input checked="" type="checkbox"/>	A2	Sample 2	Unknown	16.61	6.81E0		
<input checked="" type="checkbox"/>	B2	Sample 26	Unknown	16.79	5.94E0		
<input checked="" type="checkbox"/>	C1	Sample 49	Standard	19.32	1.03E0	1.00E0	
<input checked="" type="checkbox"/>	C2	Sample 50	Unknown	16.42	7.88E0		
<input checked="" type="checkbox"/>	D2	Sample 74	Unknown	16.25	9.05E0		
<input checked="" type="checkbox"/>	E1	Sample 97	Standard	18.42	1.84E0	2.00E0	
<input checked="" type="checkbox"/>	E2	Sample 98	Unknown	16.12	9.97E0		
<input checked="" type="checkbox"/>	F2	Sample 122	Unknown	16.75	6.12E0		
<input checked="" type="checkbox"/>	G1	Sample 145	Standard	17.11	4.65E0	4.00E0	
<input checked="" type="checkbox"/>	G2	Sample 146	Unknown	16.69	6.39E0		
<input checked="" type="checkbox"/>	H2	Sample 170	Unknown	16.42	7.88E0		
<input checked="" type="checkbox"/>	I1	Sample 193	Standard	16.47	7.61E0	8.00E0	
<input checked="" type="checkbox"/>	I2	Sample 194	Unknown	16.86	5.64E0		
<input checked="" type="checkbox"/>	K1	Sample 241	Standard	15.47	1.65E1	1.60E1	
<input checked="" type="checkbox"/>	K2	Sample 242	Unknown	16.64	6.68E0		
<input checked="" type="checkbox"/>	M1	Sample 289	Standard	14.44	3.70E1	3.20E1	
<input checked="" type="checkbox"/>	M2	Sample 290	Unknown	16.88	5.55E0		
<input checked="" type="checkbox"/>	O1	Sample 337	Standard	13.90	5.63E1	6.40E1	
<input checked="" type="checkbox"/>	O2	Sample 338	Unknown	16.72	6.27E0		

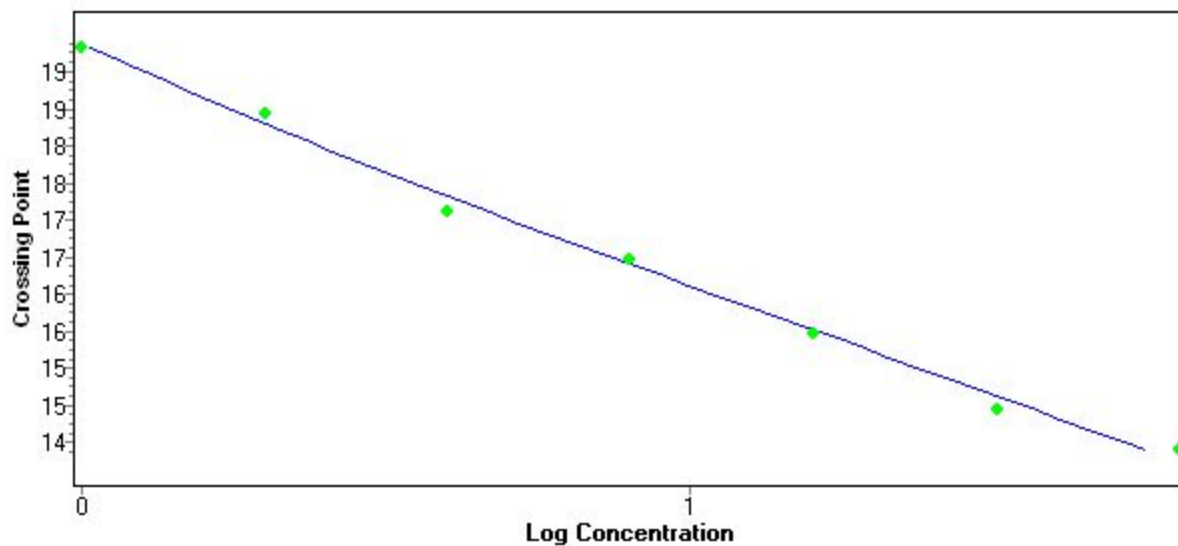
Amplification Curves



Standard Curve

— Std. curve    ● Samples

Error: 0.0166  
 Efficiency: 2.183  
 Slope: -2.949  
 YIntercept: 19.07  
 Link: 7.606



#### Analysis Notes

**Tm Calling for 36B4 (Tm Calling)**

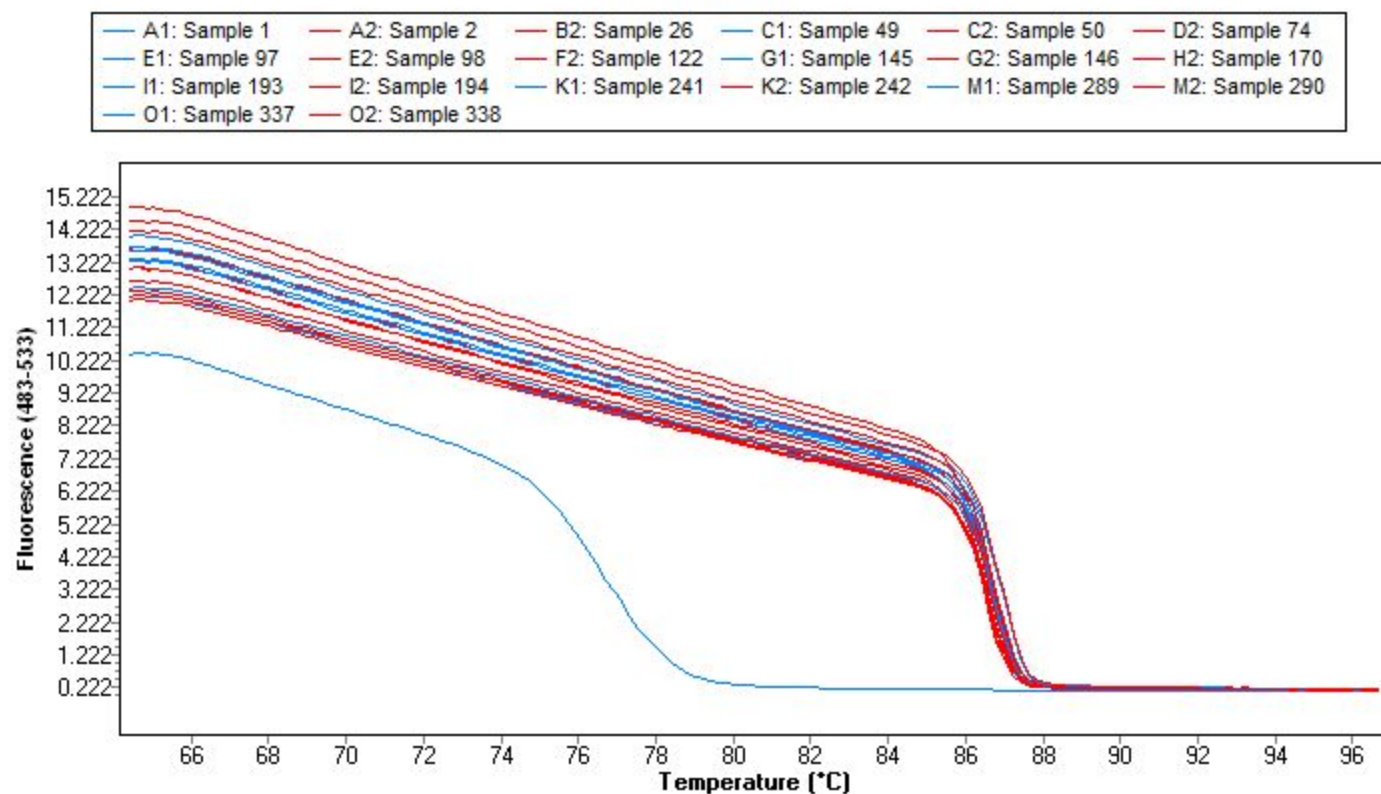
## Settings

Channel	483-533	Color Compensation	Off		
Program	melting curve				
Show Shoulders	False	Chemistry	HybProbe	Max Peaks	2
Subset Name	36B4				

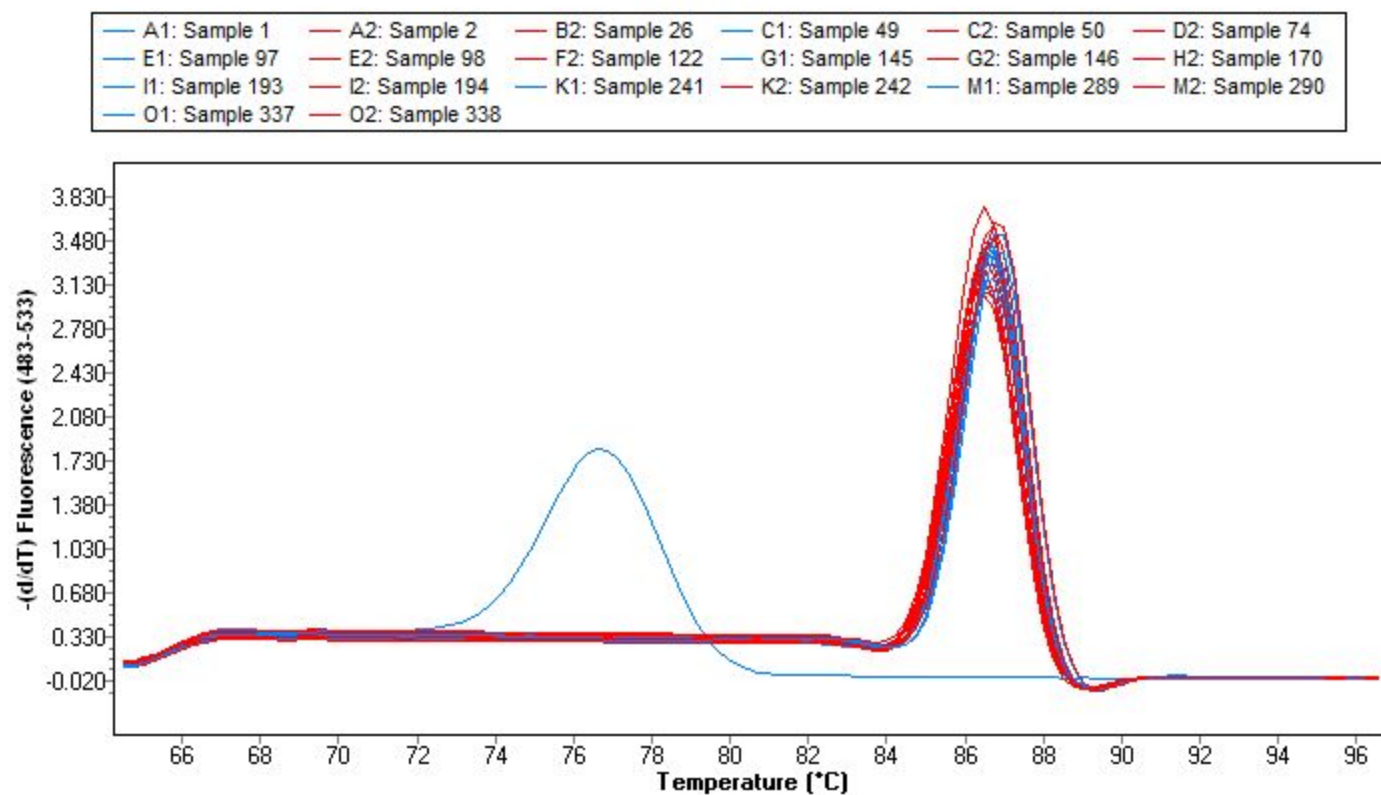
## Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	A1	Sample 1	76.87	6.82	3.67	1.86					
<input checked="" type="checkbox"/>	A2	Sample 2	86.72	6.79	1.90	3.56					
<input checked="" type="checkbox"/>	B2	Sample 26	86.63	6.92	1.95	3.55					
<input checked="" type="checkbox"/>	C1	Sample 49	86.68	6.78	1.94	3.50					
<input checked="" type="checkbox"/>	C2	Sample 50	86.56	7.49	1.96	3.83					
<input checked="" type="checkbox"/>	D2	Sample 74	86.53	6.63	1.93	3.44					
<input checked="" type="checkbox"/>	E1	Sample 97	86.66	6.61	1.93	3.42					
<input checked="" type="checkbox"/>	E2	Sample 98	86.49	6.43	1.92	3.35					
<input checked="" type="checkbox"/>	F2	Sample 122	86.50	6.35	1.91	3.33					
<input checked="" type="checkbox"/>	G1	Sample 145	86.61	6.15	1.93	3.18					
<input checked="" type="checkbox"/>	G2	Sample 146	86.52	6.21	1.91	3.25					
<input checked="" type="checkbox"/>	H2	Sample 170	86.56	6.09	1.95	3.12					
<input checked="" type="checkbox"/>	I1	Sample 193	86.69	6.19	1.91	3.24					
<input checked="" type="checkbox"/>	I2	Sample 194	86.62	6.10	1.94	3.15					
<input checked="" type="checkbox"/>	K1	Sample 241	86.77	6.64	1.90	3.49					
<input checked="" type="checkbox"/>	K2	Sample 242	86.64	6.57	1.94	3.39					
<input checked="" type="checkbox"/>	M1	Sample 289	86.90	6.92	1.92	3.61					
<input checked="" type="checkbox"/>	M2	Sample 290	86.74	7.06	1.91	3.70					
<input checked="" type="checkbox"/>	O1	Sample 337	86.92	6.52	1.90	3.44					
<input checked="" type="checkbox"/>	O2	Sample 338	86.89	7.26	1.96	3.70					

### Melting Curves



### Melting Peaks



### Analysis Notes