



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	BNP				
Pos	Name	ID	Repl. Of	Sample Notes	
A11	Sample 11				
A12	Sample 12				
B12	Sample 36				
C11	Sample 59				
C12	Sample 60				
D12	Sample 84				
E11	Sample 107				
E12	Sample 108				
F12	Sample 132				
G11	Sample 155				
G12	Sample 156				
H12	Sample 180				
I11	Sample 203				
I12	Sample 204				
K11	Sample 251				
K12	Sample 252				
M11	Sample 299				
M12	Sample 300				
O11	Sample 347				
O12	Sample 348				

Revision History

Revision	Date	User	Reason

Abs Quant/2nd Derivative Max for BNP (Abs Quant/2nd Derivative Max)

Settings

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

Subset Name	BNP
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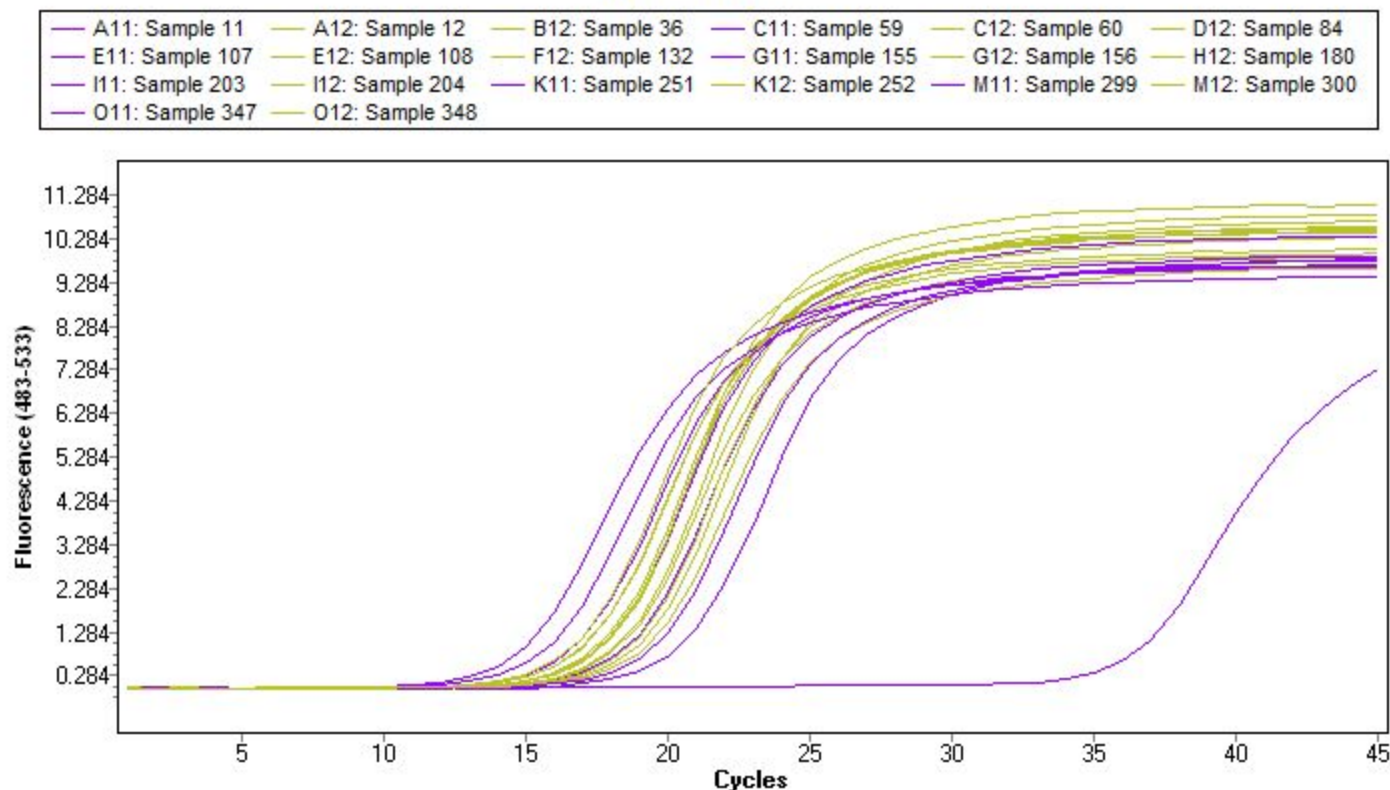
Results

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"/>	A11	Sample 11	Negative Control	36.11	1.21E-9		
<input checked="" type="checkbox"/>	A12	Sample 12	Unknown	18.79	2.80E0		
<input checked="" type="checkbox"/>	B12	Sample 36	Unknown	17.70	6.36E0		
<input checked="" type="checkbox"/>	C11	Sample 59	Standard	20.12	1.00E0	1.00E0	
<input checked="" type="checkbox"/>	C12	Sample 60	Unknown	18.06	4.85E0		
<input checked="" type="checkbox"/>	D12	Sample 84	Unknown	18.91	2.55E0		
<input checked="" type="checkbox"/>	E11	Sample 107	Standard	19.20	2.06E0	2.00E0	
<input checked="" type="checkbox"/>	E12	Sample 108	Unknown	17.99	5.11E0		
<input checked="" type="checkbox"/>	F12	Sample 132	Unknown	16.81	1.24E1		
<input checked="" type="checkbox"/>	G11	Sample 155	Standard	18.29	4.08E0	4.00E0	
<input checked="" type="checkbox"/>	G12	Sample 156	Unknown	18.49	3.51E0		
<input checked="" type="checkbox"/>	H12	Sample 180	Unknown	17.56	7.07E0		
<input checked="" type="checkbox"/>	I11	Sample 203	Standard	17.51	7.33E0	8.00E0	
<input checked="" type="checkbox"/>	I12	Sample 204	Unknown	17.51	7.33E0		
<input checked="" type="checkbox"/>	K11	Sample 251	Standard	16.45	1.62E1	1.60E1	
<input checked="" type="checkbox"/>	K12	Sample 252	Unknown	17.34	8.32E0		
<input checked="" type="checkbox"/>	M11	Sample 299	Standard	15.50	3.31E1	3.20E1	
<input checked="" type="checkbox"/>	M12	Sample 300	Unknown	16.75	1.29E1		
<input checked="" type="checkbox"/>	O11	Sample 347	Standard	14.63	6.36E1	6.40E1	
<input checked="" type="checkbox"/>	O12	Sample 348	Unknown	16.55	1.50E1		

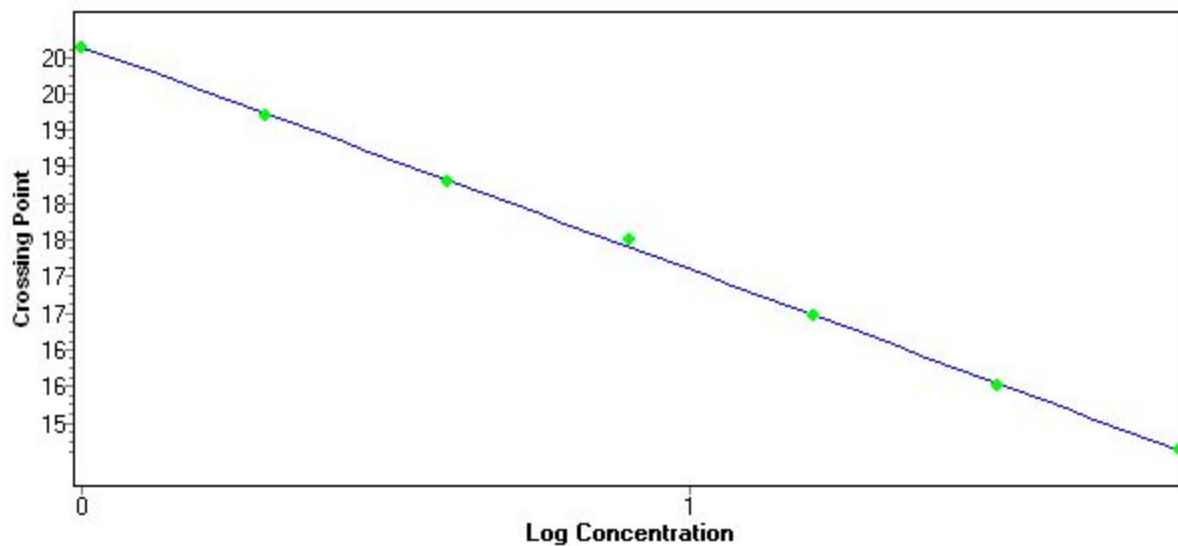
Amplification Curves



Standard Curve

— Std. curve ● Samples

Error: 0.00625
 Efficiency: 2.120
 Slope: -3.064
 YIntercept: 20.16
 Link: 2.058



Analysis Notes

Tm Calling for BNP (Tm Calling)

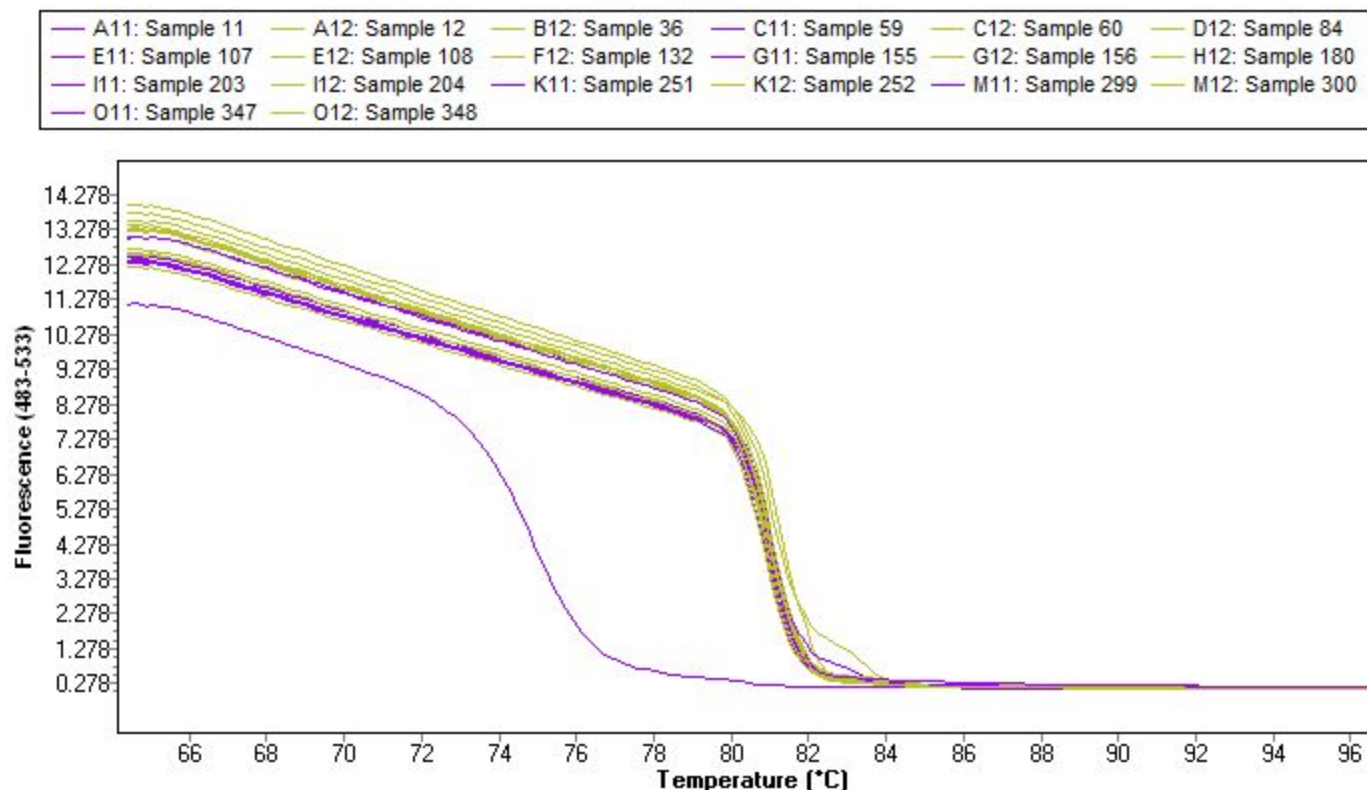
Settings

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

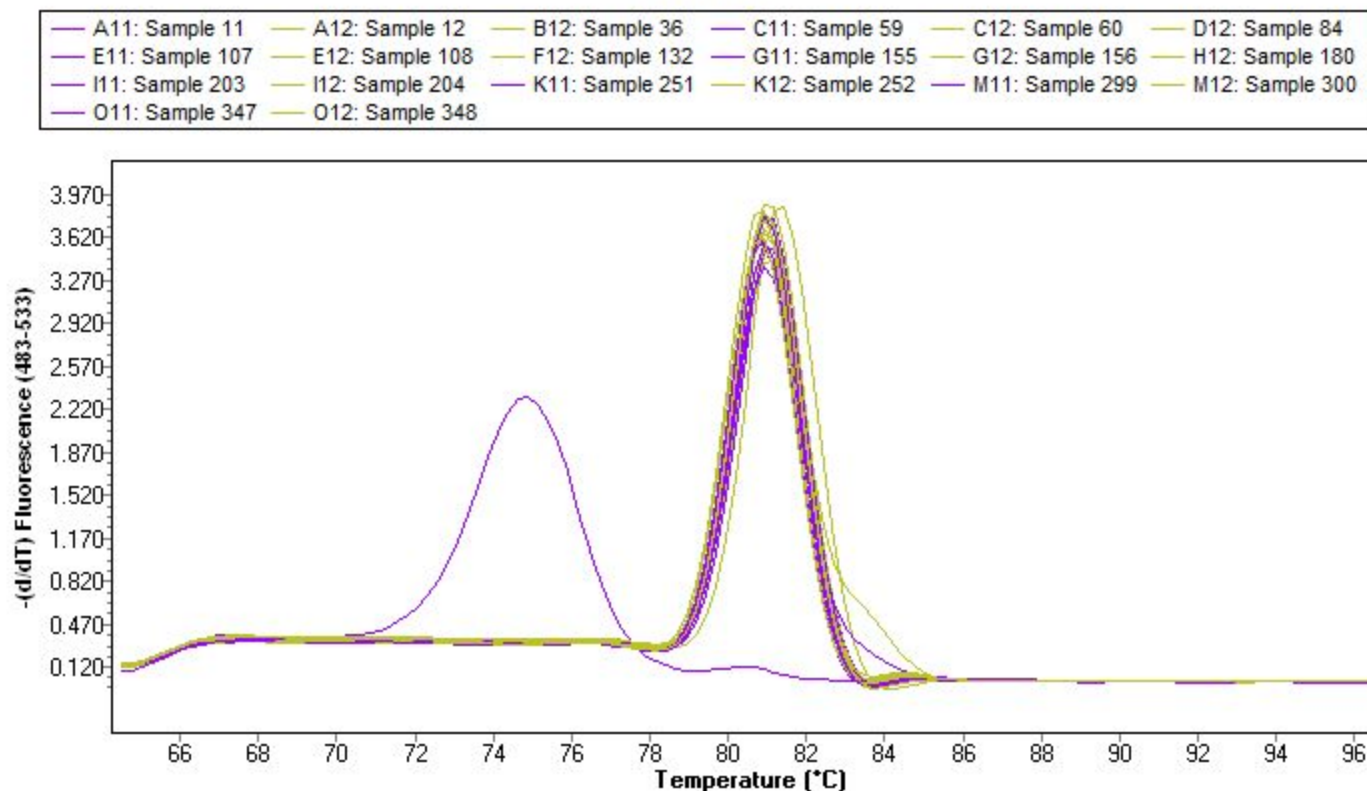
Results

Inc	Pos	Sample Name	Peak 1				Peak 2				Status
			Tm	Area	Width	Height	Tm	Area	Width	Height	
<input checked="" type="checkbox"/>	A11	Sample 11	74.96	8.08	3.47	2.33					
<input checked="" type="checkbox"/>	A12	Sample 12	81.41	8.18	2.06	3.97					
<input checked="" type="checkbox"/>	B12	Sample 36	81.18	8.77	2.57	3.41					
<input checked="" type="checkbox"/>	C11	Sample 59	81.17	7.52	2.07	3.63					
<input checked="" type="checkbox"/>	C12	Sample 60	81.11	8.36	2.11	3.95					
<input checked="" type="checkbox"/>	D12	Sample 84	81.05	7.46	2.09	3.56					
<input checked="" type="checkbox"/>	E11	Sample 107	81.09	7.56	2.09	3.62					
<input checked="" type="checkbox"/>	E12	Sample 108	81.04	7.70	2.07	3.73					
<input checked="" type="checkbox"/>	F12	Sample 132	81.05	7.81	2.08	3.75					
<input checked="" type="checkbox"/>	G11	Sample 155	81.08	7.57	2.24	3.38					
<input checked="" type="checkbox"/>	G12	Sample 156	81.06	7.98	2.10	3.81					
<input checked="" type="checkbox"/>	H12	Sample 180	81.08	8.12	2.12	3.83					
<input checked="" type="checkbox"/>	I11	Sample 203	81.10	8.03	2.09	3.85					
<input checked="" type="checkbox"/>	I12	Sample 204	81.06	8.10	2.10	3.86					
<input checked="" type="checkbox"/>	K11	Sample 251	80.98	7.57	2.05	3.69					
<input checked="" type="checkbox"/>	K12	Sample 252	80.90	8.14	2.07	3.92					
<input checked="" type="checkbox"/>	M11	Sample 299	80.93	7.45	2.03	3.67					
<input checked="" type="checkbox"/>	M12	Sample 300	80.89	7.62	2.07	3.69					
<input checked="" type="checkbox"/>	O11	Sample 347	81.02	7.84	2.03	3.87					
<input checked="" type="checkbox"/>	O12	Sample 348	81.06	8.12	2.08	3.90					

Melting Curves



Melting Peaks



Analysis Notes