



tetK kvantifikace skupina I 10182016

Experiment

Creation Date	10/18/2016 4:05:47 PM	Last Modified Date	10/19/2016 8:04:01 AM
Operator	LMDM	Owner	LMDM
Start Time	10/18/2016 4:08:44 PM	End Time	10/18/2016 5:13:07 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	blaZ kvantifikace cviko	Plate ID	C0384618
Test ID		Lot ID	
Color Comp ID			
Run Notes	dhghrhjdrii. u,ldr,r,.ryr.ru.;,d		

Programs

Program Name	stage 1						
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)
50	None	00:02:00	4.40		0	0	0

Program Name	stage 2						
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	00:05:00	4.40		0	0	0

Program Name	stage 3						
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	00:00:10	4.40		0	0	0
60	Single	00:00:30	2.20		0	0	0

Program Name	stage 4						
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	00:00:15	4.40		0	0	0
60	None	00:01:00	2.20		0	0	0
95	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)
40	None	00:01:00	2.20		0	0	0

Samples

Sample Count	96				
Subset	All Samples				
Pos	Name	ID	Repl. Of	Sample Notes	
A1	Jevons B tetK		A1		
A2	Jevons B tetK		A1		
A3	Jevons B tetK		A1		
A4	Jevons B		A4		
A5	Jevons B		A4		
A6	Jevons B		A4		
A7	Jevons B		A7		
A8	Jevons B		A7		
A9	Jevons B		A7		
A10	Jevons B		A10		
A11	Jevons B		A10		
A12	Jevons B		A10		
B1	Jevons B		B1		
B2	Jevons B		B1		
B3	Jevons B		B1		
B4	Jevons B		B4		
B5	Jevons B		B4		
B6	Jevons B		B4		
B7	Jevons B		B7		
B8	Jevons B		B7		
B9	Jevons B		B7		
B10	RN4220::pT181		B10		
B11	RN4220::pT181		B10		
B12	RN4220::pT181		B10		
C1	RN4220::pT181 100		C1		
C2	RN4220::pT181 100		C1		
C3	RN4220::pT181 100		C1		
C4	RN4220::pT181 1000		C4		
C5	RN4220::pT181 1000		C4		
C6	RN4220::pT181 1000		C4		
C7	RN4220::pUSA 100		C7		
C8	RN4220::pUSA 100		C7		
C9	RN4220::pUSA 100		C7		

Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
C10	RN4220::pUSA 1000		C10	
C11	RN4220::pUSA 1000		C10	
C12	RN4220::pUSA 1000		C10	
D1	non template		D1	
D2	non template		D1	
D3	non template		D1	
D4	non template		D4	
D5	non template		D4	
D6	non template		D4	
D7	Sample 43			
D8	Sample 44			
D9	Sample 45			
D10	Sample 46			
D11	Sample 47			
D12	Sample 48			
E1	Sample 49			
E2	Sample 50			
E3	Sample 51			
E4	Sample 52			
E5	Sample 53			
E6	Sample 54			
E7	Sample 55			
E8	Sample 56			
E9	Sample 57			
E10	Sample 58			
E11	Sample 59			
E12	Sample 60			
F1	Sample 61			
F2	Sample 62			
F3	Sample 63			
F4	Sample 64			
F5	Sample 65			
F6	Sample 66			
F7	Sample 67			
F8	Sample 68			
F9	Sample 69			
F10	Sample 70			
F11	Sample 71			
F12	Sample 72			

Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
G1	Sample 73			
G2	Sample 74			
G3	Sample 75			
G4	Sample 76			
G5	Sample 77			
G6	Sample 78			
G7	Sample 79			
G8	Sample 80			
G9	Sample 81			
G10	Sample 82			
G11	Sample 83			
G12	Sample 84			
H1	Sample 85			
H2	Sample 86			
H3	Sample 87			
H4	Sample 88			
H5	Sample 89			
H6	Sample 90			
H7	Sample 91			
H8	Sample 92			
H9	Sample 93			
H10	Sample 94			
H11	Sample 95			
H12	Sample 96			

Instrument

Name	29712	Serial Number	29712
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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	stage 3	Units	
Mode	High Confidence		

Subset Name All Samples

Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
☒	A1	Jevons B tetK	Standard	15.06	5.70E4	4.60E4	
☒	A2	Jevons B tetK	Standard	16.94	1.36E4	4.60E4	
☒	A3	Jevons B tetK	Standard	16.60	1.78E4	4.60E4	
☒	A4	Jevons B	Standard	17.70	7.65E3	4.60E3	
☒	A5	Jevons B	Standard	18.53	4.08E3	4.60E3	
☒	A6	Jevons B	Standard	16.03	2.74E4	4.60E3	
☒	A7	Jevons B	Standard	22.13	2.63E2	4.60E2	
☒	A8	Jevons B	Standard	25.19	7.89E0	4.60E2	
☒	A9	Jevons B	Standard	30.00	1.41E-13	4.60E2	
☒	A10	Jevons B	Standard	27.27	8.61E-4	4.60E1	
☒	A11	Jevons B	Standard	19.68	1.70E3	4.60E1	
☒	A12	Jevons B	Standard	23.50	9.30E1	4.60E1	
☒	B1	Jevons B	Standard	35.00	4.90E-45	4.60E0	>
☒	B2	Jevons B	Standard	22.53	1.93E2	4.60E0	
☒	B3	Jevons B	Standard	23.99	6.39E1	4.60E0	
☒	B4	Jevons B	Standard	22.32	2.27E2	4.60E-1	
☒	B5	Jevons B	Standard	34.30	1.51E-39	4.60E-1	
☒	B6	Jevons B	Standard	22.30	2.31E2	4.60E-1	
☒	B7	Jevons B	Standard	29.25	2.41E-10	4.60E-2	
☒	B8	Jevons B	Standard	23.30	1.08E2	4.60E-2	
☒	B9	Jevons B	Standard	26.82	1.16E-2	4.60E-2	
☒	B10	RN4220::pT181	Unknown				
☒	B11	RN4220::pT181	Unknown				
☒	B12	RN4220::pT181	Unknown				
☒	C1	RN4220::pT181 100	Unknown	13.59	1.75E5		E
☒	C2	RN4220::pT181 100	Unknown	12.16	5.19E5		E
☒	C3	RN4220::pT181 100	Unknown	11.59	8.02E5		E
☒	C4	RN4220::pT181 1000	Unknown	14.76	7.21E4		E
☒	C5	RN4220::pT181 1000	Unknown	14.63	7.96E4		E
☒	C6	RN4220::pT181 1000	Unknown	14.06	1.22E5		E
☒	C7	RN4220::pUSA 100	Unknown	32.04	2.86E-24		E
☒	C8	RN4220::pUSA 100	Unknown	35.00	4.90E-45		>, E
☒	C9	RN4220::pUSA 100	Unknown	33.13	3.25E-31		E
☒	C10	RN4220::pUSA 1000	Unknown				
☒	C11	RN4220::pUSA 1000	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty, E - Extrapolated concentration in standard curve

Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
☒	C12	RN4220::pUSA 1000	Unknown	31.55	1.91E-21		E
☒	D1	non template	Negative Control				
☒	D2	non template	Negative Control				
☒	D3	non template	Negative Control	35.00	4.90E-45		>
☒	D4	non template	Unknown				
☒	D5	non template	Unknown				
☒	D6	non template	Unknown				
☒	D7	Sample 43	Unknown				
☒	D8	Sample 44	Unknown				
☒	D9	Sample 45	Unknown				
☒	D10	Sample 46	Unknown				
☒	D11	Sample 47	Unknown				
☒	D12	Sample 48	Unknown				
☒	E1	Sample 49	Unknown				
☒	E2	Sample 50	Unknown				
☒	E3	Sample 51	Unknown				
☒	E4	Sample 52	Unknown				
☒	E5	Sample 53	Unknown				
☒	E6	Sample 54	Unknown				
☒	E7	Sample 55	Unknown				
☒	E8	Sample 56	Unknown				
☒	E9	Sample 57	Unknown				
☒	E10	Sample 58	Unknown				
☒	E11	Sample 59	Unknown				
☒	E12	Sample 60	Unknown				
☒	F1	Sample 61	Unknown				
☒	F2	Sample 62	Unknown				
☒	F3	Sample 63	Unknown				
☒	F4	Sample 64	Unknown				
☒	F5	Sample 65	Unknown				
☒	F6	Sample 66	Unknown				
☒	F7	Sample 67	Unknown				
☒	F8	Sample 68	Unknown				
☒	F9	Sample 69	Unknown				
☒	F10	Sample 70	Unknown				
☒	F11	Sample 71	Unknown				
☒	F12	Sample 72	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty, E - Extrapolated concentration in standard curve

Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
☒	G1	Sample 73	Unknown				
☒	G2	Sample 74	Unknown				
☒	G3	Sample 75	Unknown				
☒	G4	Sample 76	Unknown				
☒	G5	Sample 77	Unknown				
☒	G6	Sample 78	Unknown				
☒	G7	Sample 79	Unknown				
☒	G8	Sample 80	Unknown				
☒	G9	Sample 81	Unknown				
☒	G10	Sample 82	Unknown				
☒	G11	Sample 83	Unknown				
☒	G12	Sample 84	Unknown				
☒	H1	Sample 85	Unknown				
☒	H2	Sample 86	Unknown				
☒	H3	Sample 87	Unknown				
☒	H4	Sample 88	Unknown				
☒	H5	Sample 89	Unknown				
☒	H6	Sample 90	Unknown				
☒	H7	Sample 91	Unknown				
☒	H8	Sample 92	Unknown				
☒	H9	Sample 93	Unknown				
☒	H10	Sample 94	Unknown				
☒	H11	Sample 95	Unknown				
☒	H12	Sample 96	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty, E - Extrapolated concentration in standard curve

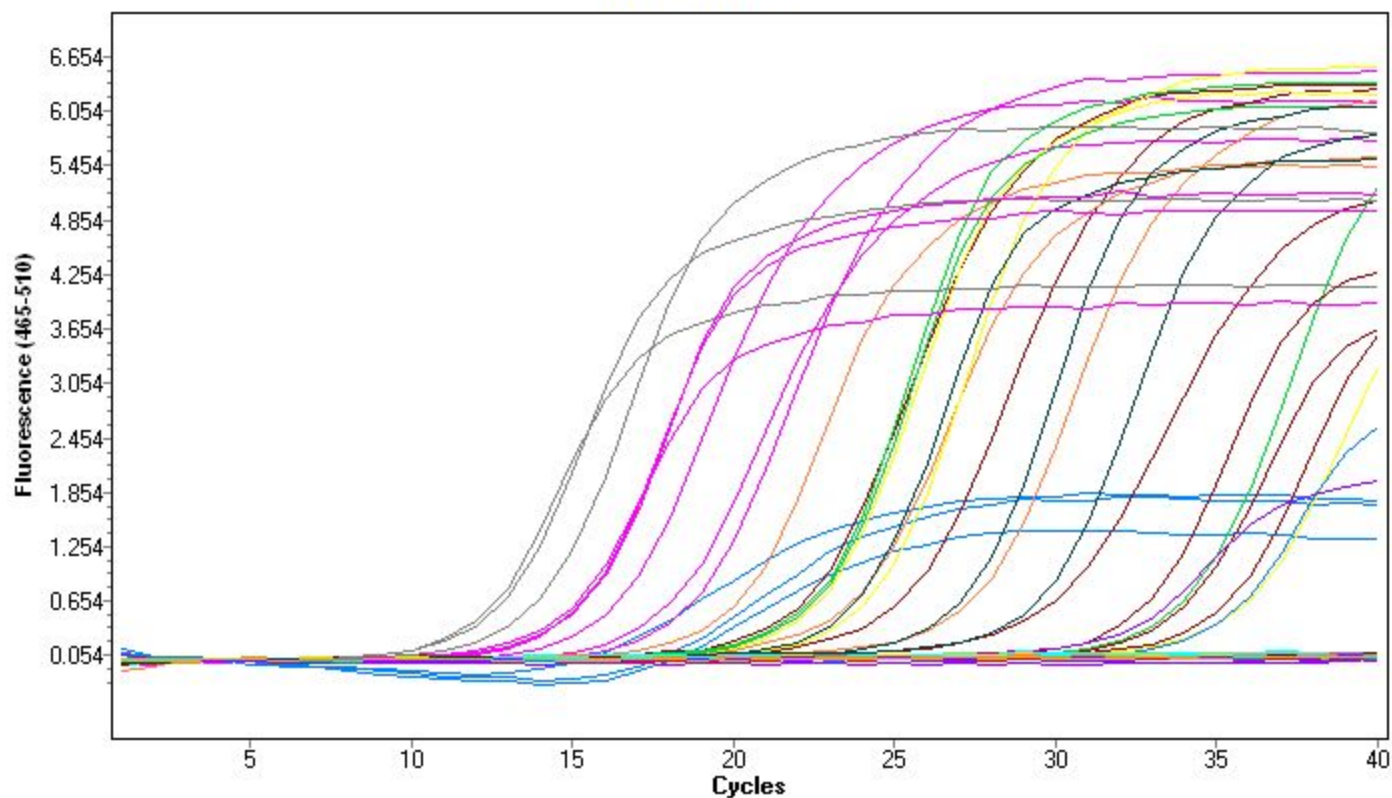
Statistics

Samples	Mean Cp	Std Cp	Mean conc	Std conc
A1, A2, A3	16.20	1.00	2.95E4	2.39E4
A4, A5, A6	17.42	1.27	1.30E4	1.26E4
A7, A8, A9	25.78	3.97	9.03E1	1.50E2
A10, A11, A12	23.48	3.80	5.97E2	9.54E2
B1, B2, B3	27.17	6.82	8.57E1	9.84E1
B4, B5, B6	26.31	6.92	1.53E2	1.32E2
B7, B8, B9	26.45	2.99	3.60E1	6.23E1
B10, B11, B12				
C1, C2, C3	12.45	1.03	4.99E5	3.14E5
C4, C5, C6	14.48	0.37	9.13E4	2.70E4

Statistics

Samples	Mean Cp	Std Cp	Mean conc	Std conc
C7, C8, C9	33.39	1.50	9.54E-25	1.65E-24
C10, C11, C12	31.55		1.91E-21	
D1, D2, D3	35.00		4.90E-45	
D4, D5, D6				

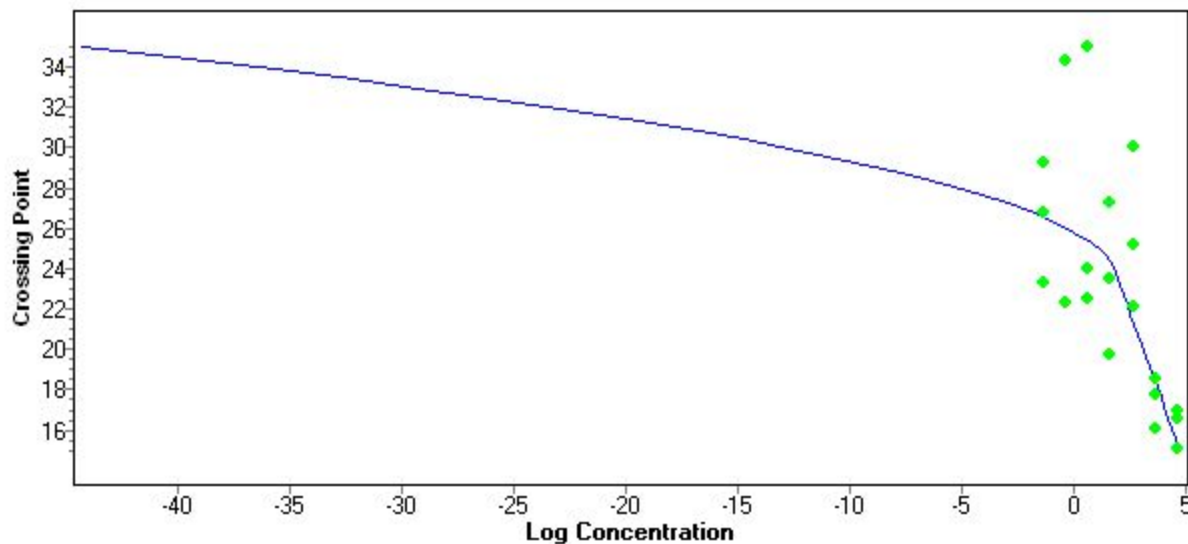
Amplification Curves



Standard Curve

— Std. curve ● Samples

Error: 0.502
 Efficiency: 2.141
 Slope: -3.024
 YIntercept: 29.45
 Link: 63.90



Analysis Notes	
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