



20231005CCL2,LAMP2,CTSB

Experiment

Creation Date	10/05/2023 9:20:23 PM	Last Modified Date	10/05/2023 10:27:24 PM
Operator	XYS	Owner	XYS
Start Time	10/05/2023 9:21:20 PM	End Time	10/05/2023 10:23:03 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	Yeason-20220325	Plate ID	
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	00:05:00	4.40		0	0	0

Program Name	amplification						
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	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	4.40		0	0	0
65	None	00:01:00	2.20		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)
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	CCL2 CON1			
A2	CCL2 CON1			
A3	CCL2 CON1			
A4	CCL2 OXLDL1			
A5	CCL2 OXLDL1			
A6	CCL2 OXLDL1			
A7	Sample 7			
A8	Sample 8			
A9	Sample 9			
A10	Sample 10			
A11	Sample 11			
A12	Sample 12			
B1	LAMP2 CON1			
B2	LAMP2 CON1			
B3	LAMP2 CON1			
B4	LAMP2 OXLDL1			
B5	LAMP2 OXLDL1			
B6	LAMP2 OXLDL1			
B7	Sample 19			
B8	Sample 20			
B9	Sample 21			
B10	Sample 22			
B11	Sample 23			
B12	Sample 24			
C1	CTSB CON1			
C2	CTSB CON1			
C3	CTSB CON1			
C4	CTSB OXLDL1			
C5	CTSB OXLDL1			
C6	CTSB OXLDL1			
C7	Sample 31			
C8	Sample 32			
C9	Sample 33			
C10	Sample 34			
C11	Sample 35			
C12	Sample 36			
D1	GAPDH 1			
D2	GAPDH 1			
D3	GAPDH 1			

Samples

Sample Count		96		
Subset		All Samples		
Pos	Name	ID	Repl. Of	Sample Notes
D4	GAPDH 1			
D5	GAPDH 1			
D6	GAPDH 1			
D7	Sample 43			
D8	Sample 44			
D9	Sample 45			
D10	Sample 46			
D11	Sample 47			
D12	Sample 48			
E1	CCL2 CON2			
E2	CCL2 CON2			
E3	CCL2 CON2			
E4	CCL2 OXLDL2			
E5	CCL2 OXLDL2			
E6	CCL2 OXLDL2			
E7	Sample 55			
E8	Sample 56			
E9	Sample 57			
E10	Sample 58			
E11	Sample 59			
E12	Sample 60			
F1	LAMP2 CON2			
F2	LAMP2 CON2			
F3	LAMP2 CON2			
F4	LAMP2 OXLDL2			
F5	LAMP2 OXLDL2			
F6	LAMP2 OXLDL2			
F7	Sample 67			
F8	Sample 68			
F9	Sample 69			
F10	Sample 70			
F11	Sample 71			
F12	Sample 72			
G1	CTSB CON2			
G2	CTSB CON2			
G3	CTSB CON2			
G4	CTSB OXLDL2			
G5	CTSB OXLDL2			
G6	CTSB OXLDL2			

Samples

Sample Count	96				
Subset	All Samples				
Pos	Name	ID	Repl. Of	Sample Notes	
G7	Sample 79				
G8	Sample 80				
G9	Sample 81				
G10	Sample 82				
G11	Sample 83				
G12	Sample 84				
H1	GAPDH 2				
H2	GAPDH 2				
H3	GAPDH 2				
H4	GAPDH 2				
H5	GAPDH 2				
H6	GAPDH 2				
H7	Sample 91				
H8	Sample 92				
H9	Sample 93				
H10	Sample 94				
H11	Sample 95				
H12	Sample 96				

Instrument

Name	LC480 SN33725	Serial Number	33725
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Revision History

Revision	Date	User	Reason

Abs Quant/2nd Derivative Max for 1 (Abs Quant/2nd Derivative Max)

Settings

Channel	465-510				
Color Compensation	Off				
Program	amplification			Units	
Mode	High Sensitivity				

Subset Name	1
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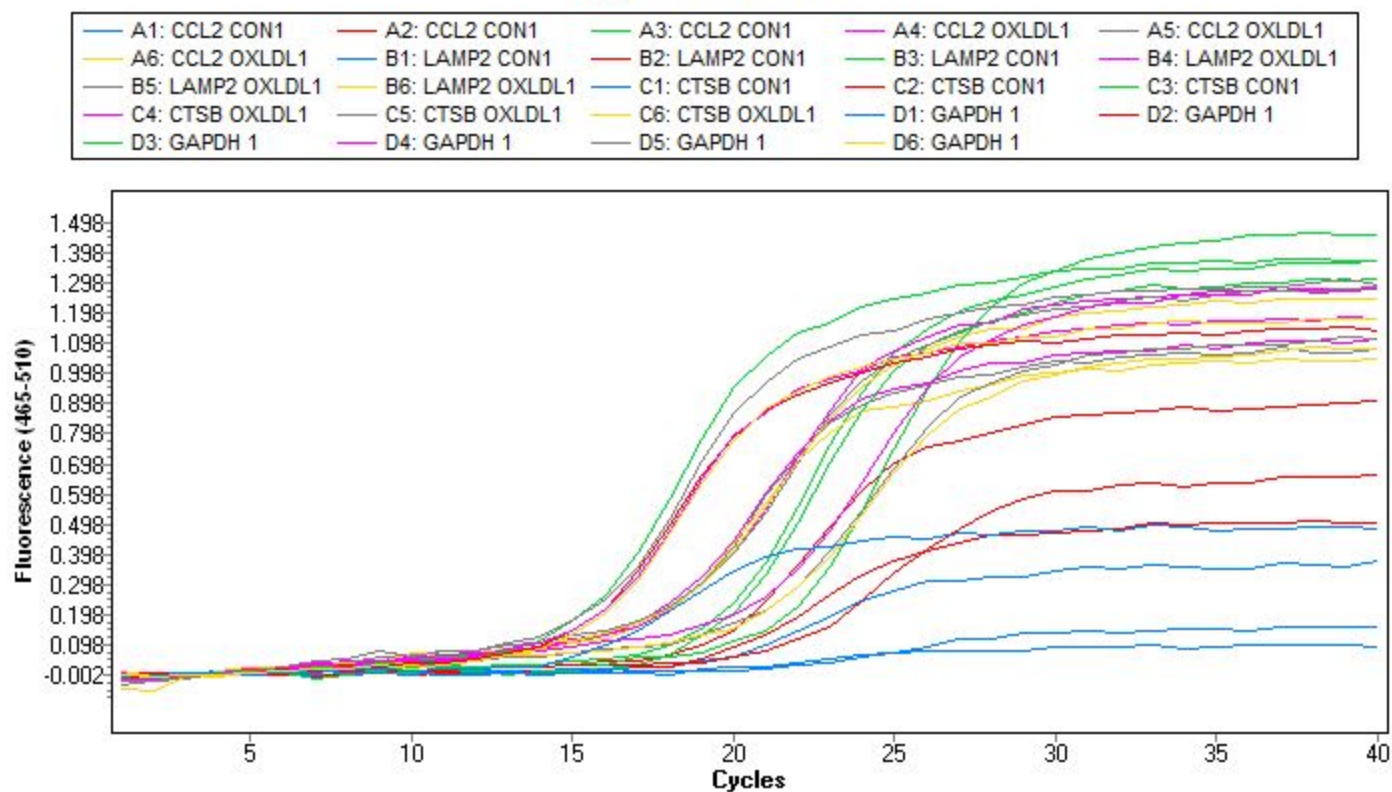
Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
☒	A1	CCL2 CON1	Unknown	19.39			
☒	A2	CCL2 CON1	Unknown	19.17			

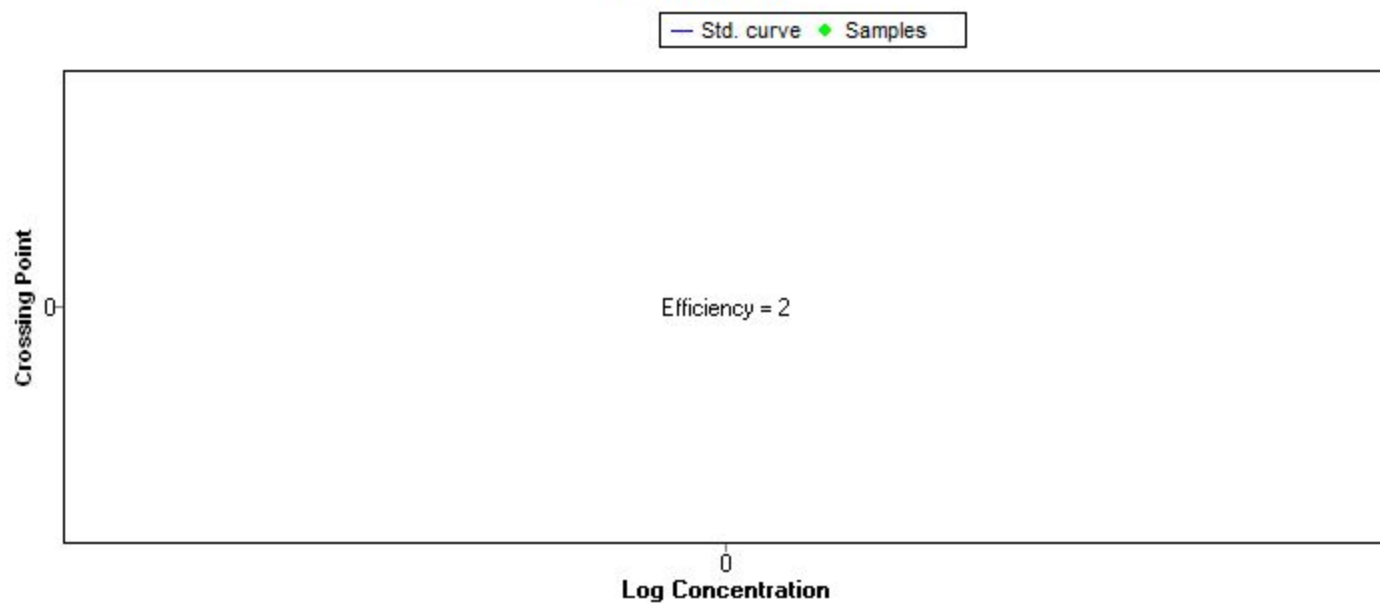
Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
☒	A3	CCL2 CON1	Unknown	19.14			
☒	A4	CCL2 OXLDL1	Unknown	17.46			
☒	A5	CCL2 OXLDL1	Unknown	17.51			
☒	A6	CCL2 OXLDL1	Unknown	17.47			
☒	B1	LAMP2 CON1	Unknown	18.68			
☒	B2	LAMP2 CON1	Unknown	19.15			
☒	B3	LAMP2 CON1	Unknown	19.11			
☒	B4	LAMP2 OXLDL1	Unknown	18.24			
☒	B5	LAMP2 OXLDL1	Unknown	18.23			
☒	B6	LAMP2 OXLDL1	Unknown	18.02			
☒	C1	CTSB CON1	Unknown	21.66			
☒	C2	CTSB CON1	Unknown	21.56			
☒	C3	CTSB CON1	Unknown	21.53			
☒	C4	CTSB OXLDL1	Unknown	20.84			
☒	C5	CTSB OXLDL1	Unknown	20.82			
☒	C6	CTSB OXLDL1	Unknown	20.79			
☒	D1	GAPDH 1	Unknown	14.79			
☒	D2	GAPDH 1	Unknown	14.87			
☒	D3	GAPDH 1	Unknown	14.94			
☒	D4	GAPDH 1	Unknown	15.11			
☒	D5	GAPDH 1	Unknown	15.13			
☒	D6	GAPDH 1	Unknown	15.08			

Amplification Curves



Standard Curve



Analysis Notes

Melt Curve Genotyping for 1 (Melt Curve Genotyping)

Channel	465-510	Color Compensation	Off
Program Name	melting curve		
Std's Settings	Auto-Group		
Sensitivity	Normal	Temp Range	75-89
Score	0.7	Res	0.1

Subset Name	1
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Results

Inc	Pos.	Sample Name	Sample Type	Group	Score	Resolution	Status
☒	A1	CCL2 CON1	Unknown	1	0.75	0.75	
☒	A2	CCL2 CON1	Unknown	1	0.83	0.83	
☒	A3	CCL2 CON1	Unknown	1	0.80	0.80	
☒	A4	CCL2 OXLDL1	Unknown	1	0.78	0.78	
☒	A5	CCL2 OXLDL1	Unknown	1	0.81	0.81	
☒	A6	CCL2 OXLDL1	Unknown	1	0.86	0.86	
☒	B1	LAMP2 CON1	Unknown	Negative	1.00	1.00	
☒	B2	LAMP2 CON1	Unknown	1	0.89	0.89	
☒	B3	LAMP2 CON1	Unknown	1	0.95	0.95	
☒	B4	LAMP2 OXLDL1	Unknown	1	0.91	0.91	
☒	B5	LAMP2 OXLDL1	Unknown	1	0.90	0.90	
☒	B6	LAMP2 OXLDL1	Unknown	1	0.94	0.94	
☒	C1	CTSB CON1	Unknown	Negative	1.00	1.00	
☒	C2	CTSB CON1	Unknown	1	0.94	0.94	
☒	C3	CTSB CON1	Unknown	1	0.95	0.95	
☒	C4	CTSB OXLDL1	Unknown	1	0.95	0.95	
☒	C5	CTSB OXLDL1	Unknown	1	0.86	0.86	
☒	C6	CTSB OXLDL1	Unknown	1	0.96	0.96	
☒	D1	GAPDH 1	Unknown	1	0.94	0.94	
☒	D2	GAPDH 1	Unknown	1	0.99	0.99	
☒	D3	GAPDH 1	Unknown	1	1.00	1.00	
☒	D4	GAPDH 1	Unknown	1	0.97	0.97	
☒	D5	GAPDH 1	Unknown	1	0.97	0.97	
☒	D6	GAPDH 1	Unknown	1	0.94	0.94	

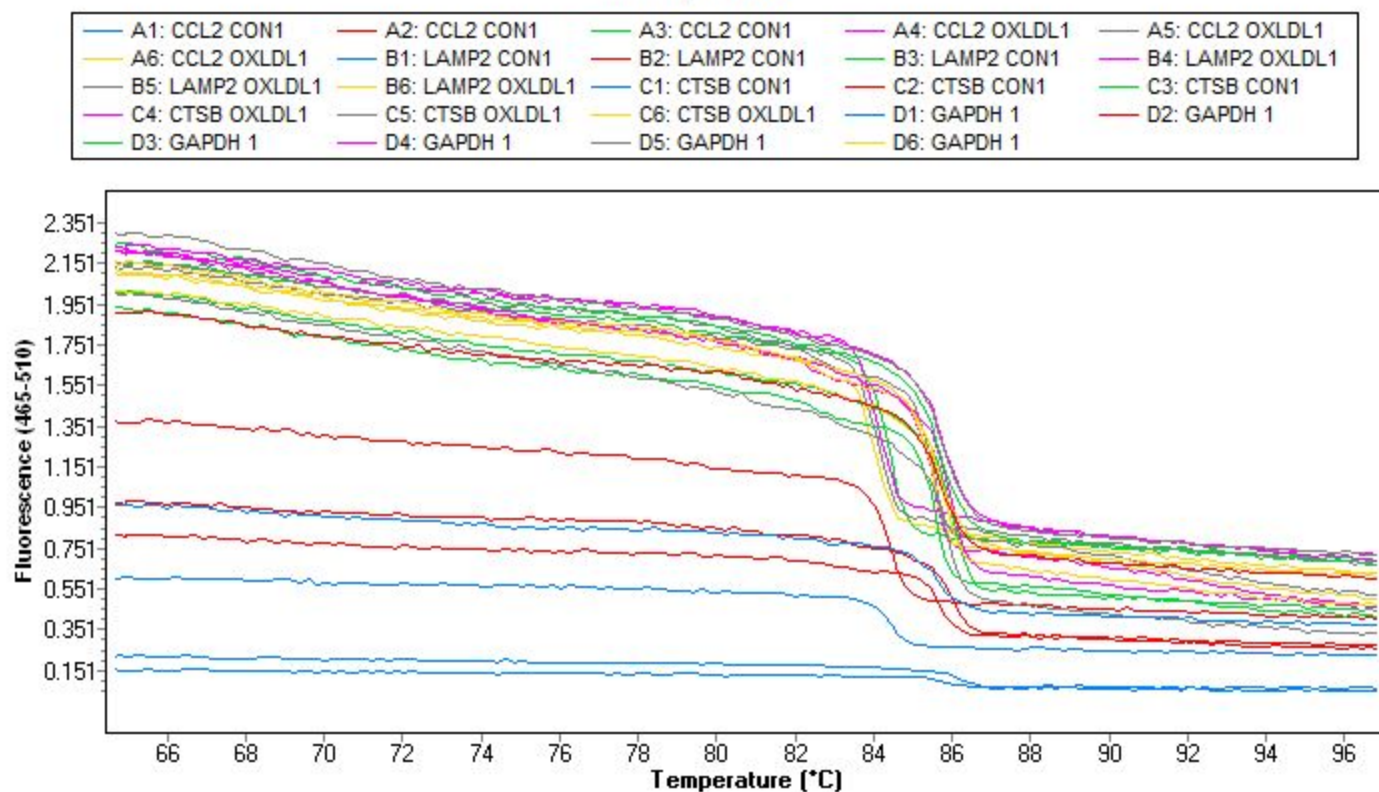
Group	1
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Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
☒	A1	CCL2 CON1	Unknown	0.75	0.75	
☒	A2	CCL2 CON1	Unknown	0.83	0.83	
☒	A3	CCL2 CON1	Unknown	0.80	0.80	
☒	A4	CCL2 OXLDL1	Unknown	0.78	0.78	
☒	A5	CCL2 OXLDL1	Unknown	0.81	0.81	

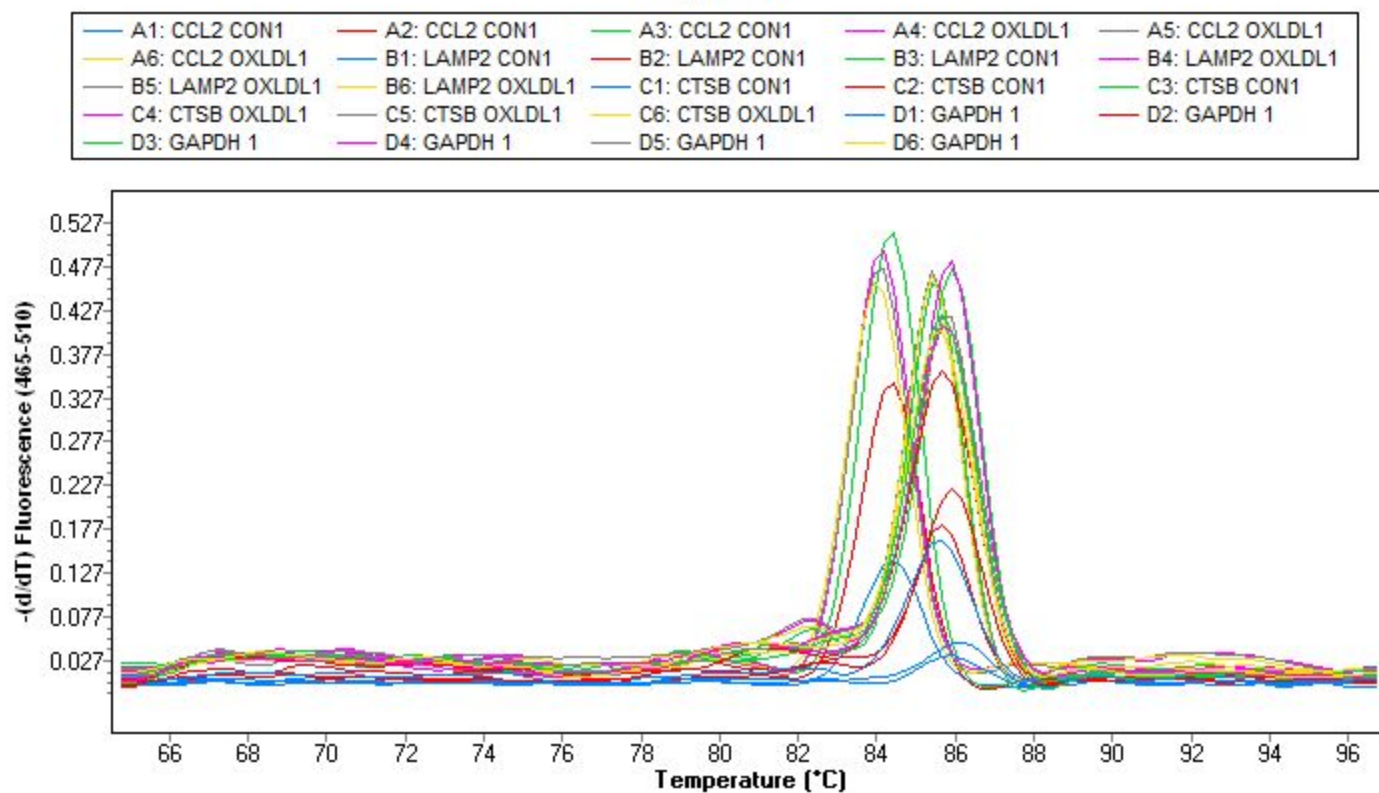
Group		1				
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
☒	A6	CCL2 OXLDL1	Unknown	0.86	0.86	
☒	B2	LAMP2 CON1	Unknown	0.89	0.89	
☒	B3	LAMP2 CON1	Unknown	0.95	0.95	
☒	B4	LAMP2 OXLDL1	Unknown	0.91	0.91	
☒	B5	LAMP2 OXLDL1	Unknown	0.90	0.90	
☒	B6	LAMP2 OXLDL1	Unknown	0.94	0.94	
☒	C2	CTSB CON1	Unknown	0.94	0.94	
☒	C3	CTSB CON1	Unknown	0.95	0.95	
☒	C4	CTSB OXLDL1	Unknown	0.95	0.95	
☒	C5	CTSB OXLDL1	Unknown	0.86	0.86	
☒	C6	CTSB OXLDL1	Unknown	0.96	0.96	
☒	D1	GAPDH 1	Unknown	0.94	0.94	
☒	D2	GAPDH 1	Unknown	0.99	0.99	
☒	D3	GAPDH 1	Unknown	1.00	1.00	
☒	D4	GAPDH 1	Unknown	0.97	0.97	
☒	D5	GAPDH 1	Unknown	0.97	0.97	
☒	D6	GAPDH 1	Unknown	0.94	0.94	

Group		Negative				
Inc	Pos	Sample Name	Sample Type	Score	Resolution	Status
☒	B1	LAMP2 CON1	Unknown	1.00	1.00	
☒	C1	CTSB CON1	Unknown	1.00	1.00	

Melting Curves



Melting Peaks



Analysis Notes