Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\ileumplate12.2	
Printed by:	EPPENDORF	
Created:	Nov/23/2018 16:33	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/23/2018 16:36
Acquisition End Time:	EPPENDORF	Nov/23/2018 18:04
Last updated:	EPPENDORF	Nov/23/2018 16:32
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileumplate12.2	Quantification	Nov/23/2018 18:13
	Melting Curve	Nov/23/2018 18:12
Inverted Data:	OFF	
Comment:		

Plate layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
B	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
C	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
D	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
E	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
F	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
G	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
H	NTC	NTC	NTC	NTC	NTC	NTC	water	water	water	water	water	water

PCR Program
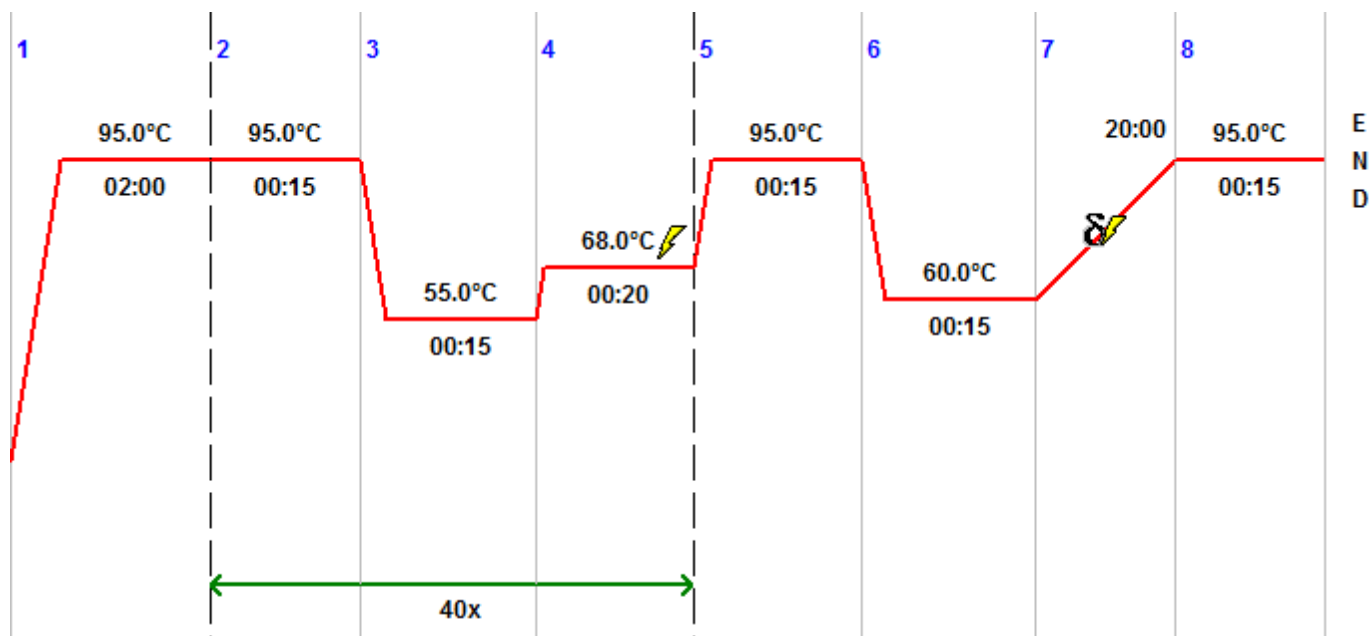
Program Header

Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR

Fluorescence Profile

■	A1, ILWE_AA_658, SYBR
■	A2, ILWE_AA_658, SYBR
■	A3, ILWE_AA_658, SYBR
■	A4, ILWE_AA_658, SYBR
■	A5, ILWE_AA_658, SYBR
■	A6, ILWE_AA_658, SYBR
■	A7, ILWE_AA_670, SYBR
■	A8, ILWE_AA_670, SYBR
■	A9, ILWE_AA_670, SYBR
■	A10, ILWE_AA_670, SYBR
■	A11, ILWE_AA_670, SYBR
■	A12, ILWE_AA_670, SYBR
■	B1, ILWE_AA_659, SYBR
■	B2, ILWE_AA_659, SYBR
■	B3, ILWE_AA_659, SYBR
■	B4, ILWE_AA_659, SYBR
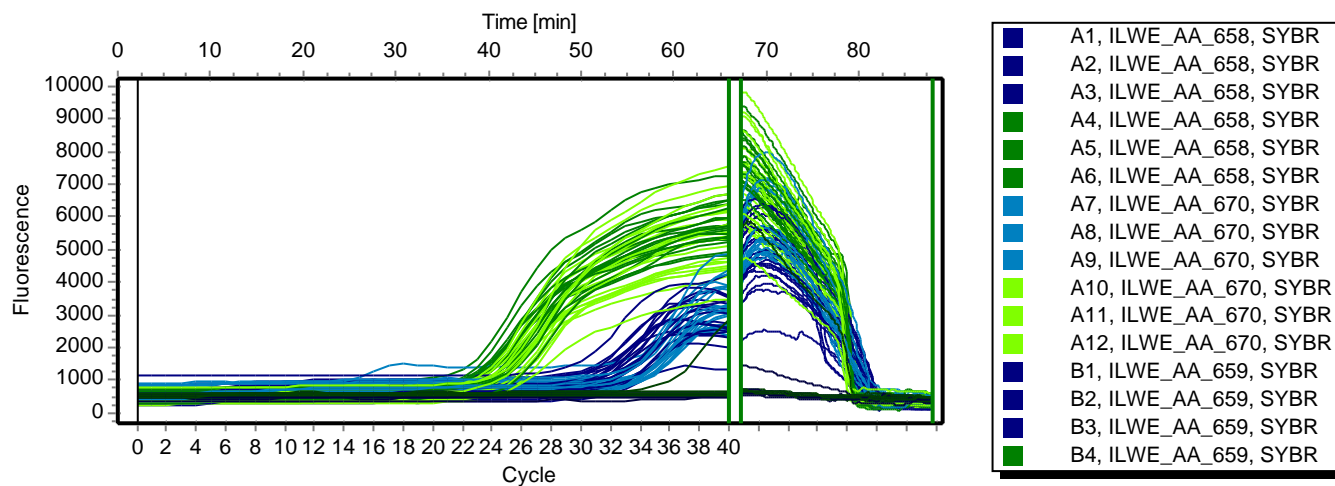
Temperature Profile
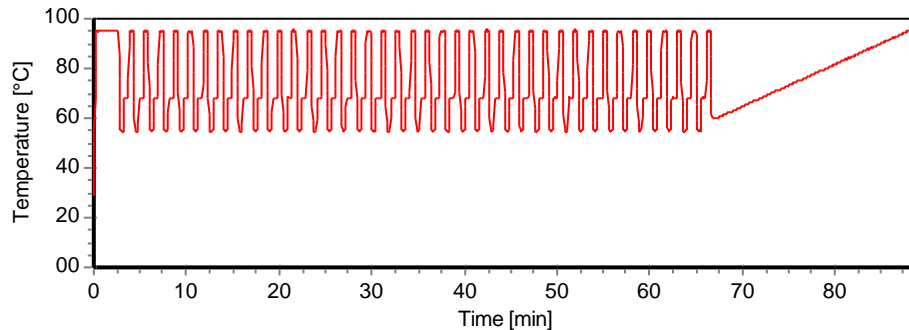
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
A1	ILWE_AA_658	29.86	29.98	0.12	1.00			eimeria
A2	ILWE_AA_658	29.97	29.98	0.12	1.00			eimeria
A3	ILWE_AA_658	30.10	29.98	0.12	1.00			eimeria
A4	ILWE_AA_658	21.58	21.33	0.62	1.00			mouse
A5	ILWE_AA_658	20.62	21.33	0.62	1.00			mouse
A6	ILWE_AA_658	21.80	21.33	0.62	1.00			mouse
A7	ILWE_AA_670	33.55	32.83	0.89	1.00			eimeria
A8	ILWE_AA_670	31.83	32.83	0.89	1.00			eimeria
A9	ILWE_AA_670	33.11	32.83	0.89	1.00			eimeria
A10	ILWE_AA_670	23.05	22.96	0.18	1.00			mouse
A11	ILWE_AA_670	22.76	22.96	0.18	1.00			mouse
A12	ILWE_AA_670	23.09	22.96	0.18	1.00			mouse
B1	ILWE_AA_659	30.82	31.00	0.57	1.00			eimeria
B2	ILWE_AA_659	30.55	31.00	0.57	1.00			eimeria
B3	ILWE_AA_659	31.64	31.00	0.57	1.00			eimeria
B4	ILWE_AA_659	22.38	22.25	0.14	1.00			mouse
B5	ILWE_AA_659	22.11	22.25	0.14	1.00			mouse
B6	ILWE_AA_659	22.25	22.25	0.14	1.00			mouse
B7	ILWE_AA_671	33.35	27.23	10.47	1.00			eimeria
B8	ILWE_AA_671	15.14	27.23	10.47	1.00			eimeria
B9	ILWE_AA_671	33.20	27.23	10.47	1.00			eimeria
B10	ILWE_AA_671	22.95	22.89	0.15	1.00			mouse
B11	ILWE_AA_671	22.72	22.89	0.15	1.00			mouse
B12	ILWE_AA_671	22.99	22.89	0.15	1.00			mouse
C1	ILWE_AA_664	31.47	30.88	0.76	1.00			eimeria
C2	ILWE_AA_664	31.15	30.88	0.76	1.00			eimeria
C3	ILWE_AA_664	30.02	30.88	0.76	1.00			eimeria
C4	ILWE_AA_664	22.23	22.16	0.09	1.00			mouse
C5	ILWE_AA_664	22.06	22.16	0.09	1.00			mouse
C6	ILWE_AA_664	22.20	22.16	0.09	1.00			mouse
C7	ILWE_AA_672	32.59	32.63	0.22	1.00			eimeria
C8	ILWE_AA_672	32.87	32.63	0.22	1.00			eimeria
C9	ILWE_AA_672	32.43	32.63	0.22	1.00			eimeria
C10	ILWE_AA_672	22.50	22.29	0.59	1.00			mouse
C11	ILWE_AA_672	21.63	22.29	0.59	1.00			mouse

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
C12	ILWE_AA_672	22.75	22.29	0.59	1.00			mouse
D1	ILWE_AA_665	31.20	31.25	0.11	1.00			eimeria
D2	ILWE_AA_665	31.38	31.25	0.11	1.00			eimeria
D3	ILWE_AA_665	31.18	31.25	0.11	1.00			eimeria
D4	ILWE_AA_665	23.34	23.12	0.22	1.00			mouse
D5	ILWE_AA_665	22.90	23.12	0.22	1.00			mouse
D6	ILWE_AA_665	23.14	23.12	0.22	1.00			mouse
D7	ILWE_AA_674	33.45	28.26	8.88	1.00			eimeria
D8	ILWE_AA_674	33.32	28.26	8.88	1.00			eimeria
D9	ILWE_AA_674	18.00	28.26	8.88	1.00			eimeria
D10	ILWE_AA_674	24.02	24.06	0.11	1.00			mouse
D11	ILWE_AA_674	23.98	24.06	0.11	1.00			mouse
D12	ILWE_AA_674	24.18	24.06	0.11	1.00			mouse
E1	ILWE_AA_666	29.24	29.49	0.61	1.00			eimeria
E2	ILWE_AA_666	29.04	29.49	0.61	1.00			eimeria
E3	ILWE_AA_666	30.19	29.49	0.61	1.00			eimeria
E4	ILWE_AA_666	21.46	21.38	0.11	1.00			mouse
E5	ILWE_AA_666	21.26	21.38	0.11	1.00			mouse
E6	ILWE_AA_666	21.43	21.38	0.11	1.00			mouse
E7	ILWE_AA_675	32.92	32.56	0.33	1.00			eimeria
E8	ILWE_AA_675	32.27	32.56	0.33	1.00			eimeria
E9	ILWE_AA_675	32.48	32.56	0.33	1.00			eimeria
E10	ILWE_AA_675	22.53	22.54	0.32	1.00			mouse
E11	ILWE_AA_675	22.23	22.54	0.32	1.00			mouse
E12	ILWE_AA_675	22.87	22.54	0.32	1.00			mouse
F1	ILWE_AA_667	31.60	30.71	0.84	1.00			eimeria
F2	ILWE_AA_667	30.61	30.71	0.84	1.00			eimeria
F3	ILWE_AA_667	29.92	30.71	0.84	1.00			eimeria
F4	ILWE_AA_667	22.89	22.76	0.12	1.00			mouse
F5	ILWE_AA_667	22.65	22.76	0.12	1.00			mouse
F6	ILWE_AA_667	22.75	22.76	0.12	1.00			mouse
F7	ILWE_AA_678	32.89	33.07	0.28	1.00			eimeria
F8	ILWE_AA_678	32.93	33.07	0.28	1.00			eimeria
F9	ILWE_AA_678	33.40	33.07	0.28	1.00			eimeria
F10	ILWE_AA_678	23.68	23.48	0.19	1.00			mouse
F11	ILWE_AA_678	23.45	23.48	0.19	1.00			mouse
F12	ILWE_AA_678	23.30	23.48	0.19	1.00			mouse
G1	ILWE_AA_668	32.21	31.77	0.43	1.00			eimeria
G2	ILWE_AA_668	31.74	31.77	0.43	1.00			eimeria

| Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
G3	ILWE_AA_668	31.36	31.77	0.43	1.00			eimeria
G4	ILWE_AA_668	24.00	24.10	0.13	1.00			mouse
G5	ILWE_AA_668	24.03	24.10	0.13	1.00			mouse
G6	ILWE_AA_668	24.25	24.10	0.13	1.00			mouse
G7	ILWE_AA_679	32.41	32.58	0.30	1.00			eimeria
G8	ILWE_AA_679	32.42	32.58	0.30	1.00			eimeria
G9	ILWE_AA_679	32.92	32.58	0.30	1.00			eimeria
G10	ILWE_AA_679	23.55	23.89	0.53	1.00			mouse
G11	ILWE_AA_679	23.63	23.89	0.53	1.00			mouse
G12	ILWE_AA_679	24.50	23.89	0.53	1.00			mouse
H1	NTC	-			-			eimeria
H2	NTC	-			-			eimeria
H3	NTC	-			-			eimeria
H4	NTC	-			-			mouse
H5	NTC	-			-			mouse
H6	NTC	-			-			mouse
H7	water	-			-			eimeria
H8	water	-			-			eimeria
H9	water	-			-			eimeria
H10	water	-			-			mouse
H11	water	35.18			-			mouse
H12	water	-			-			mouse

Amplification Plot

Threshold   256 (Noiseband)
Baseline   automatic, Drift correction OFF
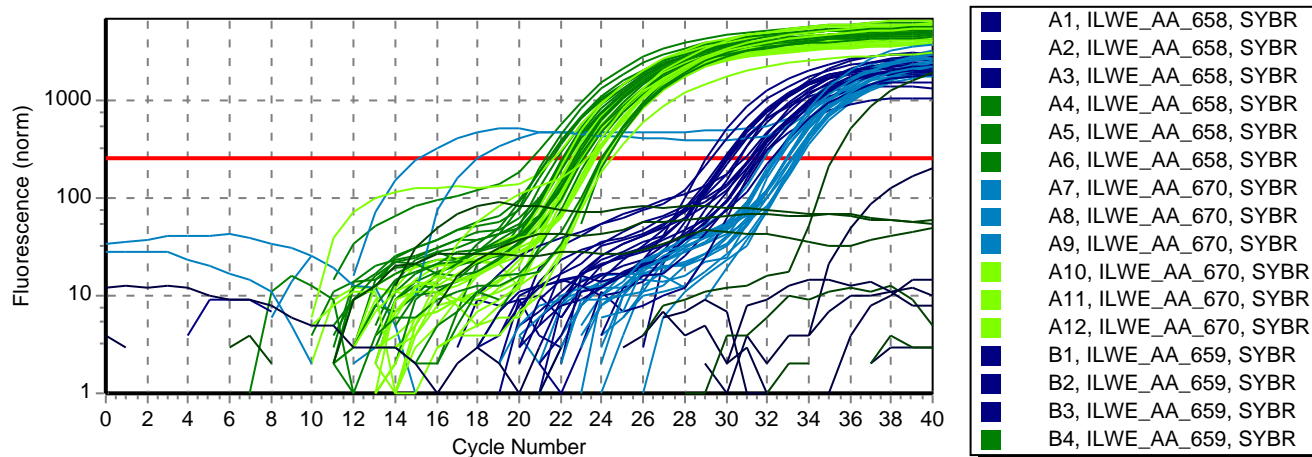
Standard curve

| Slope | - | R^2 | - |
| Y-Intercept | - | Efficiency | - |

Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
A1	ILWE_AA_658	0				
A2	ILWE_AA_658	0				
A3	ILWE_AA_658	0				
A4	ILWE_AA_658	1	80.0			
A5	ILWE_AA_658	1	80.2			
A6	ILWE_AA_658	1	80.2			
A7	ILWE_AA_670	0				
A8	ILWE_AA_670	0				
A9	ILWE_AA_670	0				
A10	ILWE_AA_670	1	80.3			
A11	ILWE_AA_670	1	80.5			
A12	ILWE_AA_670	1	80.5			
B1	ILWE_AA_659	0				
B2	ILWE_AA_659	0				
B3	ILWE_AA_659	0				
B4	ILWE_AA_659	1	79.7			
B5	ILWE_AA_659	1	79.9			
B6	ILWE_AA_659	1	79.9			
B7	ILWE_AA_671	0				
B8	ILWE_AA_671	1	79.1			
B9	ILWE_AA_671	0				
B10	ILWE_AA_671	1	79.5			
B11	ILWE_AA_671	1	79.6			
B12	ILWE_AA_671	1	79.7			
C1	ILWE_AA_664	0				
C2	ILWE_AA_664	0				
C3	ILWE_AA_664	0				
C4	ILWE_AA_664	1	79.5			
C5	ILWE_AA_664	1	79.6			
C6	ILWE_AA_664	1	79.7			
C7	ILWE_AA_672	0				
C8	ILWE_AA_672	0				
C9	ILWE_AA_672	0				
C10	ILWE_AA_672	1	79.6			
C11	ILWE_AA_672	1	79.6			
C12	ILWE_AA_672	1	79.6			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	ILWE_AA_665	0				
D2	ILWE_AA_665	0				
D3	ILWE_AA_665	0				
D4	ILWE_AA_665	1	79.5			
D5	ILWE_AA_665	1	79.5			
D6	ILWE_AA_665	1	79.5			
D7	ILWE_AA_674	0				
D8	ILWE_AA_674	0				
D9	ILWE_AA_674	0				
D10	ILWE_AA_674	1	79.3			
D11	ILWE_AA_674	1	79.4			
D12	ILWE_AA_674	1	79.5			
E1	ILWE_AA_666	1	74.6			
E2	ILWE_AA_666	1	74.7			
E3	ILWE_AA_666	1	74.4			
E4	ILWE_AA_666	1	79.5			
E5	ILWE_AA_666	1	79.6			
E6	ILWE_AA_666	1	79.6			
E7	ILWE_AA_675	0				
E8	ILWE_AA_675	0				
E9	ILWE_AA_675	0				
E10	ILWE_AA_675	1	79.2			
E11	ILWE_AA_675	1	79.3			
E12	ILWE_AA_675	1	79.4			
F1	ILWE_AA_667	0				
F2	ILWE_AA_667	0				
F3	ILWE_AA_667	0				
F4	ILWE_AA_667	1	79.5			
F5	ILWE_AA_667	1	79.6			
F6	ILWE_AA_667	1	79.7			
F7	ILWE_AA_678	0				
F8	ILWE_AA_678	0				
F9	ILWE_AA_678	0				
F10	ILWE_AA_678	1	79.3			
F11	ILWE_AA_678	1	79.5			
F12	ILWE_AA_678	1	79.5			
G1	ILWE_AA_668	0				
G2	ILWE_AA_668	0				
G3	ILWE_AA_668	0				
G4	ILWE_AA_668	1	79.6			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	ILWE_AA_668	1	79.8			
G6	ILWE_AA_668	1	79.9			
G7	ILWE_AA_679	0				
G8	ILWE_AA_679	1	83.0			
G9	ILWE_AA_679	0				
G10	ILWE_AA_679	1	78.7			
G11	ILWE_AA_679	1	78.7			
G12	ILWE_AA_679	1	78.8			
H1	NTC	0				
H2	NTC	0				
H3	NTC	0				
H4	NTC	0				
H5	NTC	0				
H6	NTC	0				
H7	water	0				
H8	water	0				
H9	water	0				
H10	water	0			79.6	
H11	water	1	79.6		79.6	0.0
H12	water	0			79.6	

Melting curve

Threshold   33%