Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\ileumplate11	
Printed by:	EPPENDORF	
Created:	Nov/22/2018 10:15	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/22/2018 10:19
Acquisition End Time:	EPPENDORF	Nov/22/2018 11:47
Last updated:	EPPENDORF	Nov/06/2018 18:40
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileumplate11	Quantification	Nov/22/2018 11:53
	Melting Curve	Nov/22/2018 11:52
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
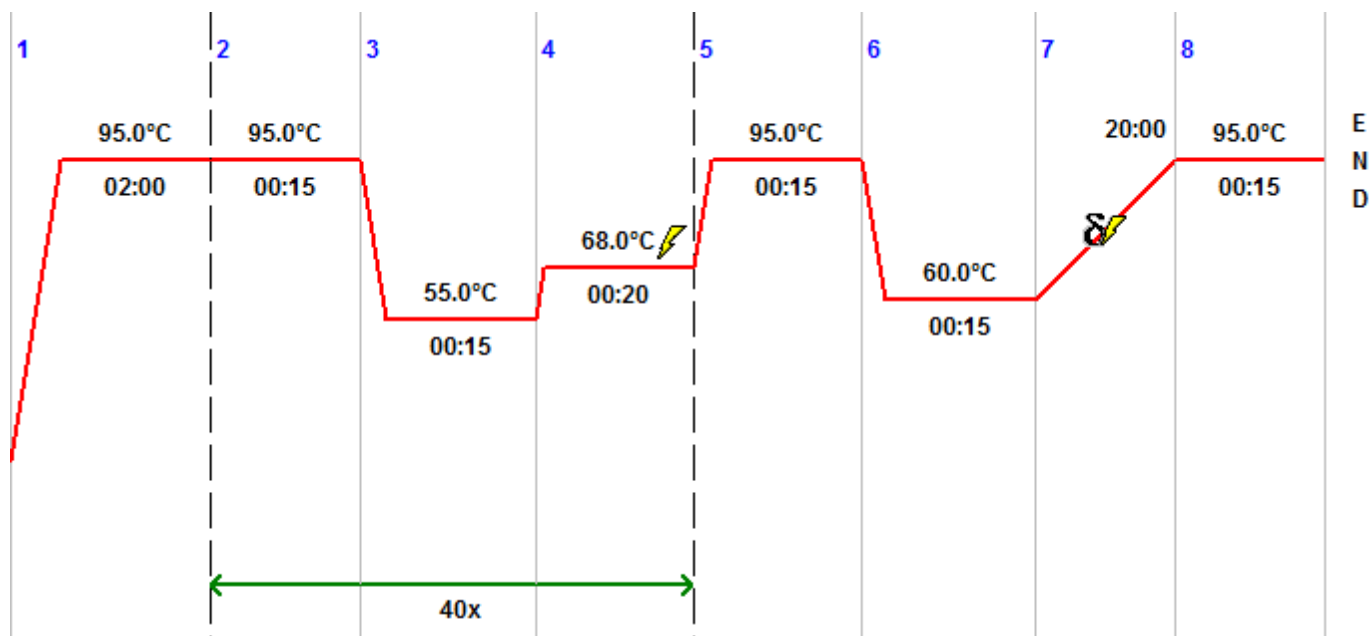
Program Header

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

Legend	
■	A1, ILWE_AA_593, SYBR
■	A2, ILWE_AA_593, SYBR
■	A3, ILWE_AA_593, SYBR
■	A4, ILWE_AA_593, SYBR
■	A5, ILWE_AA_593, SYBR
■	A6, ILWE_AA_593, SYBR
■	A7, ILWE_AA_649, SYBR
■	A8, ILWE_AA_649, SYBR
■	A9, ILWE_AA_649, SYBR
■	A10, ILWE_AA_649, SYBR
■	A11, ILWE_AA_649, SYBR
■	A12, ILWE_AA_649, SYBR
■	B1, ILWE_AA_642, SYBR
■	B2, ILWE_AA_642, SYBR
■	B3, ILWE_AA_642, SYBR
■	B4, ILWE_AA_642, SYBR
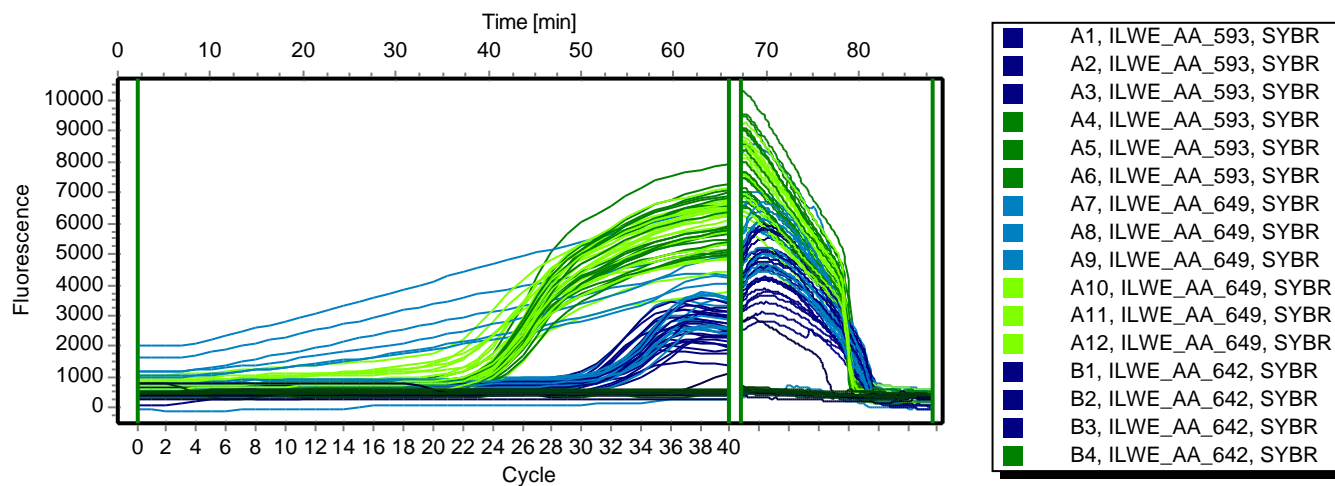
Temperature Profile
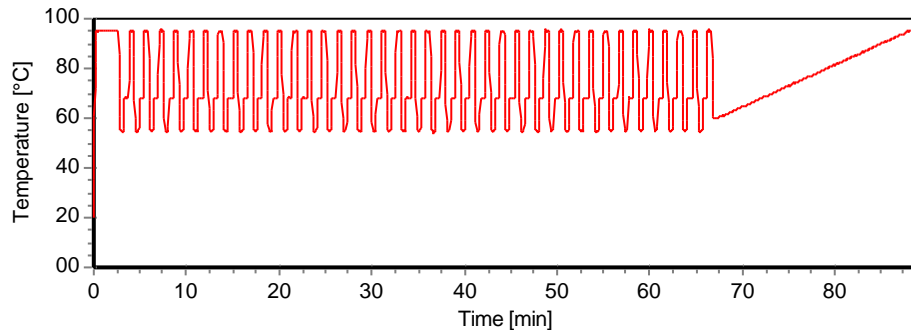
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
A1	ILWE_AA_593	29.42	29.47	0.07	1.00			eimeria
A2	ILWE_AA_593	29.54	29.47	0.07	1.00			eimeria
A3	ILWE_AA_593	29.43	29.47	0.07	1.00			eimeria
A4	ILWE_AA_593	22.49	22.38	0.28	1.00			mouse
A5	ILWE_AA_593	22.05	22.38	0.28	1.00			mouse
A6	ILWE_AA_593	22.59	22.38	0.28	1.00			mouse
A7	ILWE_AA_649	30.19	31.81	3.28	1.00			eimeria
A8	ILWE_AA_649	29.66	31.81	3.28	1.00			eimeria
A9	ILWE_AA_649	35.59	31.81	3.28	1.00			eimeria
A10	ILWE_AA_649	21.48	21.81	0.48	1.00			mouse
A11	ILWE_AA_649	21.58	21.81	0.48	1.00			mouse
A12	ILWE_AA_649	22.36	21.81	0.48	1.00			mouse
B1	ILWE_AA_642	29.92	30.05	0.14	1.00			eimeria
B2	ILWE_AA_642	30.02	30.05	0.14	1.00			eimeria
B3	ILWE_AA_642	30.20	30.05	0.14	1.00			eimeria
B4	ILWE_AA_642	23.04	22.87	0.18	1.00			mouse
B5	ILWE_AA_642	22.68	22.87	0.18	1.00			mouse
B6	ILWE_AA_642	22.89	22.87	0.18	1.00			mouse
B7	ILWE_AA_651	7.11	6.49	0.62	1.00			eimeria
B8	ILWE_AA_651	5.88	6.49	0.62	1.00			eimeria
B9	ILWE_AA_651	6.48	6.49	0.62	1.00			eimeria
B10	ILWE_AA_651	18.60	19.54	0.84	1.00			mouse
B11	ILWE_AA_651	19.80	19.54	0.84	1.00			mouse
B12	ILWE_AA_651	20.21	19.54	0.84	1.00			mouse
C1	ILWE_AA_643	29.48	29.29	0.19	1.00			eimeria
C2	ILWE_AA_643	29.28	29.29	0.19	1.00			eimeria
C3	ILWE_AA_643	29.10	29.29	0.19	1.00			eimeria
C4	ILWE_AA_643	22.78	22.73	0.10	1.00			mouse
C5	ILWE_AA_643	22.62	22.73	0.10	1.00			mouse
C6	ILWE_AA_643	22.79	22.73	0.10	1.00			mouse
C7	ILWE_AA_653	32.09	31.99	0.37	1.00			eimeria
C8	ILWE_AA_653	32.30	31.99	0.37	1.00			eimeria
C9	ILWE_AA_653	31.58	31.99	0.37	1.00			eimeria
C10	ILWE_AA_653	22.82	23.05	0.28	1.00			mouse
C11	ILWE_AA_653	22.98	23.05	0.28	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_653	23.36	23.05	0.28	1.00			mouse
D1	ILWE_AA_644	30.77	30.96	0.18	1.00			eimeria
D2	ILWE_AA_644	31.02	30.96	0.18	1.00			eimeria
D3	ILWE_AA_644	31.11	30.96	0.18	1.00			eimeria
D4	ILWE_AA_644	22.99	22.97	0.16	1.00			mouse
D5	ILWE_AA_644	22.80	22.97	0.16	1.00			mouse
D6	ILWE_AA_644	23.12	22.97	0.16	1.00			mouse
D7	ILWE_AA_654	15.23	13.30	3.67	1.00			eimeria
D8	ILWE_AA_654	9.07	13.30	3.67	1.00			eimeria
D9	ILWE_AA_654	15.60	13.30	3.67	1.00			eimeria
D10	ILWE_AA_654	17.34	19.17	1.73	1.00			mouse
D11	ILWE_AA_654	19.37	19.17	1.73	1.00			mouse
D12	ILWE_AA_654	20.79	19.17	1.73	1.00			mouse
E1	ILWE_AA_645	31.03	31.11	0.39	1.00			eimeria
E2	ILWE_AA_645	30.77	31.11	0.39	1.00			eimeria
E3	ILWE_AA_645	31.54	31.11	0.39	1.00			eimeria
E4	ILWE_AA_645	22.21	22.04	0.26	1.00			mouse
E5	ILWE_AA_645	22.16	22.04	0.26	1.00			mouse
E6	ILWE_AA_645	21.74	22.04	0.26	1.00			mouse
E7	ILWE_AA_655	30.59	31.10	0.44	1.00			eimeria
E8	ILWE_AA_655	31.39	31.10	0.44	1.00			eimeria
E9	ILWE_AA_655	31.32	31.10	0.44	1.00			eimeria
E10	ILWE_AA_655	22.25	22.25	0.24	1.00			mouse
E11	ILWE_AA_655	22.01	22.25	0.24	1.00			mouse
E12	ILWE_AA_655	22.49	22.25	0.24	1.00			mouse
F1	ILWE_AA_647	32.44	32.43	0.34	1.00			eimeria
F2	ILWE_AA_647	32.08	32.43	0.34	1.00			eimeria
F3	ILWE_AA_647	32.76	32.43	0.34	1.00			eimeria
F4	ILWE_AA_647	23.31	23.07	0.21	1.00			mouse
F5	ILWE_AA_647	22.96	23.07	0.21	1.00			mouse
F6	ILWE_AA_647	22.93	23.07	0.21	1.00			mouse
F7	ILWE_AA_656	31.72	31.07	0.83	1.00			eimeria
F8	ILWE_AA_656	31.35	31.07	0.83	1.00			eimeria
F9	ILWE_AA_656	30.14	31.07	0.83	1.00			eimeria
F10	ILWE_AA_656	22.50	22.52	0.19	1.00			mouse
F11	ILWE_AA_656	22.33	22.52	0.19	1.00			mouse
F12	ILWE_AA_656	22.71	22.52	0.19	1.00			mouse
G1	ILWE_AA_648	31.25	31.21	0.07	1.00			eimeria
G2	ILWE_AA_648	31.26	31.21	0.07	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_648	31.13	31.21	0.07	1.00			eimeria
G4	ILWE_AA_648	22.37	22.19	0.16	1.00			mouse
G5	ILWE_AA_648	22.12	22.19	0.16	1.00			mouse
G6	ILWE_AA_648	22.07	22.19	0.16	1.00			mouse
G7	ILWE_AA_657	32.40	31.96	0.45	1.00			eimeria
G8	ILWE_AA_657	31.51	31.96	0.45	1.00			eimeria
G9	ILWE_AA_657	31.96	31.96	0.45	1.00			eimeria
G10	ILWE_AA_657	22.70	22.66	0.10	1.00			mouse
G11	ILWE_AA_657	22.55	22.66	0.10	1.00			mouse
G12	ILWE_AA_657	22.75	22.66	0.10	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	3.28			-			eimeria
H9	water	-			-			eimeria
H10	water	-			-			mouse
H11	water	-			-			mouse
H12	water	-			-			mouse

Amplification Plot

| Threshold | 306 (Noiseband) |
| Baseline | automatic, Drift correction OFF |
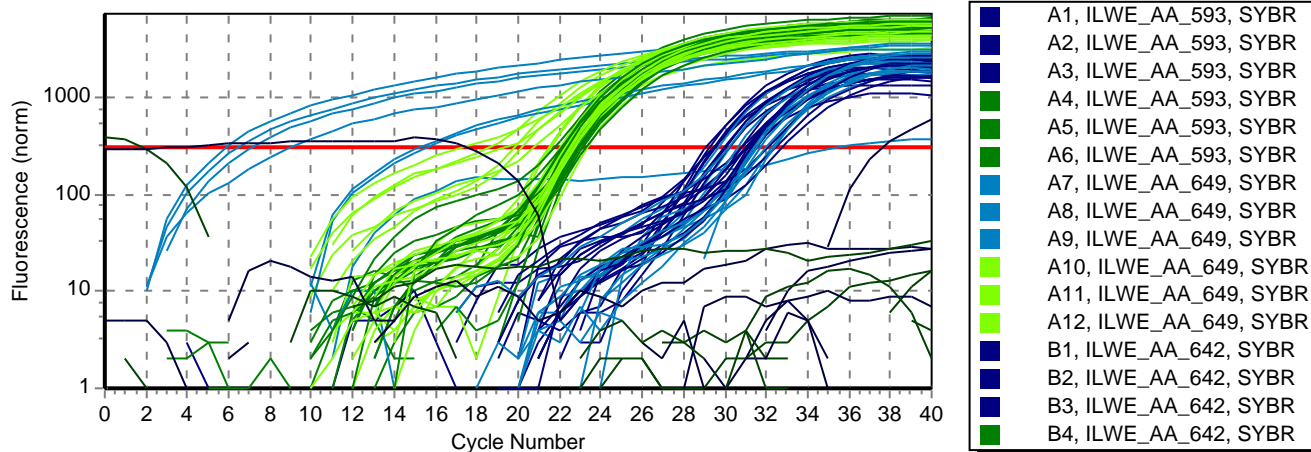
Standard curve

| 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_593	0				
A2	ILWE_AA_593	0				
A3	ILWE_AA_593	0				
A4	ILWE_AA_593	1	79.9			
A5	ILWE_AA_593	1	80.1			
A6	ILWE_AA_593	1	79.9			
A7	ILWE_AA_649	0				
A8	ILWE_AA_649	0				
A9	ILWE_AA_649	0				
A10	ILWE_AA_649	1	79.5			
A11	ILWE_AA_649	1	79.7			
A12	ILWE_AA_649	1	79.7			
B1	ILWE_AA_642	0				
B2	ILWE_AA_642	0				
B3	ILWE_AA_642	0				
B4	ILWE_AA_642	1	79.8			
B5	ILWE_AA_642	1	79.9			
B6	ILWE_AA_642	1	79.9			
B7	ILWE_AA_651	0				
B8	ILWE_AA_651	1	79.4			
B9	ILWE_AA_651	0				
B10	ILWE_AA_651	1	79.5			
B11	ILWE_AA_651	1	79.8			
B12	ILWE_AA_651	1	79.8			
C1	ILWE_AA_643	0				
C2	ILWE_AA_643	0				
C3	ILWE_AA_643	0				
C4	ILWE_AA_643	1	79.6			
C5	ILWE_AA_643	1	79.8			
C6	ILWE_AA_643	1	79.8			
C7	ILWE_AA_653	0				
C8	ILWE_AA_653	0				
C9	ILWE_AA_653	0				
C10	ILWE_AA_653	1	79.2			
C11	ILWE_AA_653	1	79.4			
C12	ILWE_AA_653	1	79.6			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	ILWE_AA_644	0				
D2	ILWE_AA_644	0				
D3	ILWE_AA_644	0				
D4	ILWE_AA_644	1	79.4			
D5	ILWE_AA_644	1	79.5			
D6	ILWE_AA_644	1	79.5			
D7	ILWE_AA_654	1	79.4			
D8	ILWE_AA_654	1	79.3			
D9	ILWE_AA_654	0				
D10	ILWE_AA_654	1	78.9			
D11	ILWE_AA_654	1	79.2			
D12	ILWE_AA_654	1	79.3			
E1	ILWE_AA_645	0				
E2	ILWE_AA_645	0				
E3	ILWE_AA_645	0				
E4	ILWE_AA_645	1	79.1			
E5	ILWE_AA_645	1	79.2			
E6	ILWE_AA_645	1	79.2			
E7	ILWE_AA_655	0				
E8	ILWE_AA_655	0				
E9	ILWE_AA_655	0				
E10	ILWE_AA_655	1	79.2			
E11	ILWE_AA_655	1	79.3			
E12	ILWE_AA_655	1	79.3			
F1	ILWE_AA_647	0				
F2	ILWE_AA_647	0				
F3	ILWE_AA_647	0				
F4	ILWE_AA_647	1	79.2			
F5	ILWE_AA_647	1	79.3			
F6	ILWE_AA_647	1	79.4			
F7	ILWE_AA_656	0				
F8	ILWE_AA_656	0				
F9	ILWE_AA_656	0				
F10	ILWE_AA_656	1	79.3			
F11	ILWE_AA_656	1	79.5			
F12	ILWE_AA_656	1	79.6			
G1	ILWE_AA_648	0				
G2	ILWE_AA_648	0				
G3	ILWE_AA_648	0				
G4	ILWE_AA_648	1	79.3			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	ILWE_AA_648	1	79.5			
G6	ILWE_AA_648	1	79.6			
G7	ILWE_AA_657	0				
G8	ILWE_AA_657	0				
G9	ILWE_AA_657	0				
G10	ILWE_AA_657	1	79.2			
G11	ILWE_AA_657	1	79.4			
G12	ILWE_AA_657	1	79.5			
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				
H11	water	0				
H12	water	0				

Melting curve

Threshold   33%