Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\ileumplate3	
Printed by:	EPPENDORF	
Created:	Nov/06/2018 16:55	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/06/2018 16:59
Acquisition End Time:	EPPENDORF	Nov/06/2018 18:27
Last updated:	EPPENDORF	Oct/25/2018 15:01
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileumplate3	Quantification	Nov/06/2018 18:28
	Melting Curve	Nov/06/2018 18:27
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
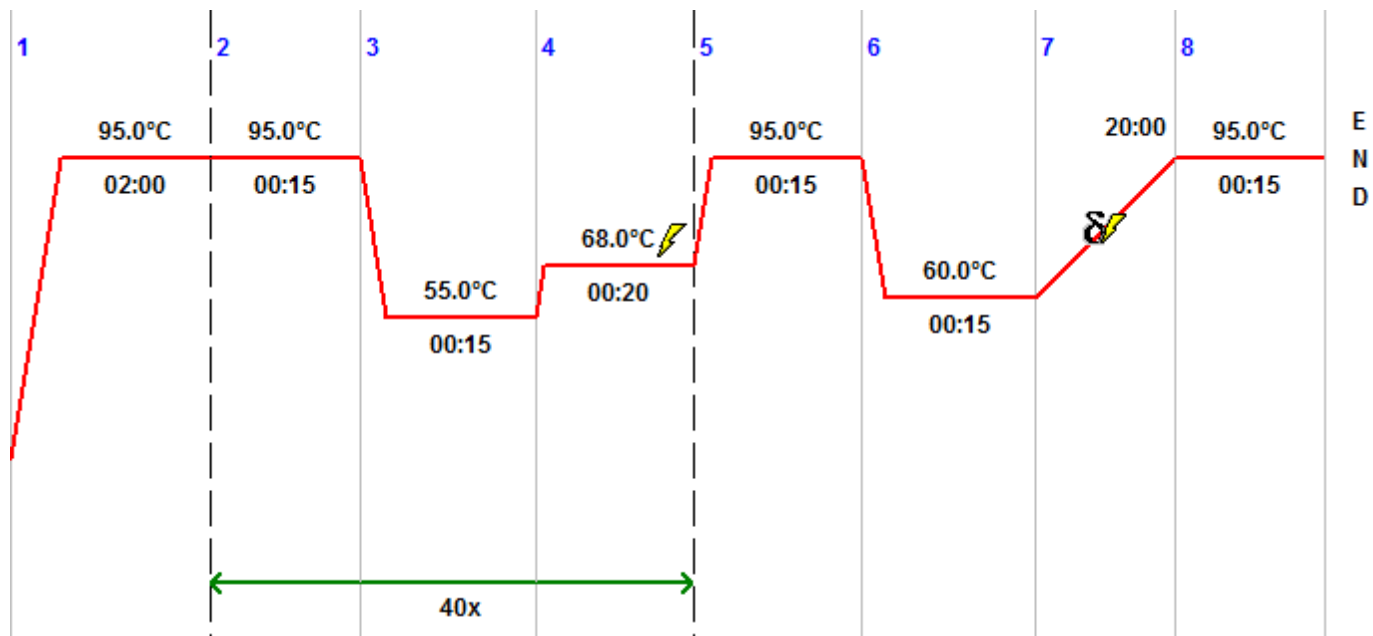
Program Header

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_588, SYBR
■	A2, ILWE_AA_588, SYBR
■	A3, ILWE_AA_588, SYBR
■	A4, ILWE_AA_588, SYBR
■	A5, ILWE_AA_588, SYBR
■	A6, ILWE_AA_588, SYBR
■	A7, ILWE_AA_599, SYBR
■	A8, ILWE_AA_599, SYBR
■	A9, ILWE_AA_599, SYBR
■	A10, ILWE_AA_599, SYBR
■	A11, ILWE_AA_599, SYBR
■	A12, ILWE_AA_599, SYBR
■	B1, ILWE_AA_529, SYBR
■	B2, ILWE_AA_529, SYBR
■	B3, ILWE_AA_529, SYBR
■	B4, ILWE_AA_529, SYBR
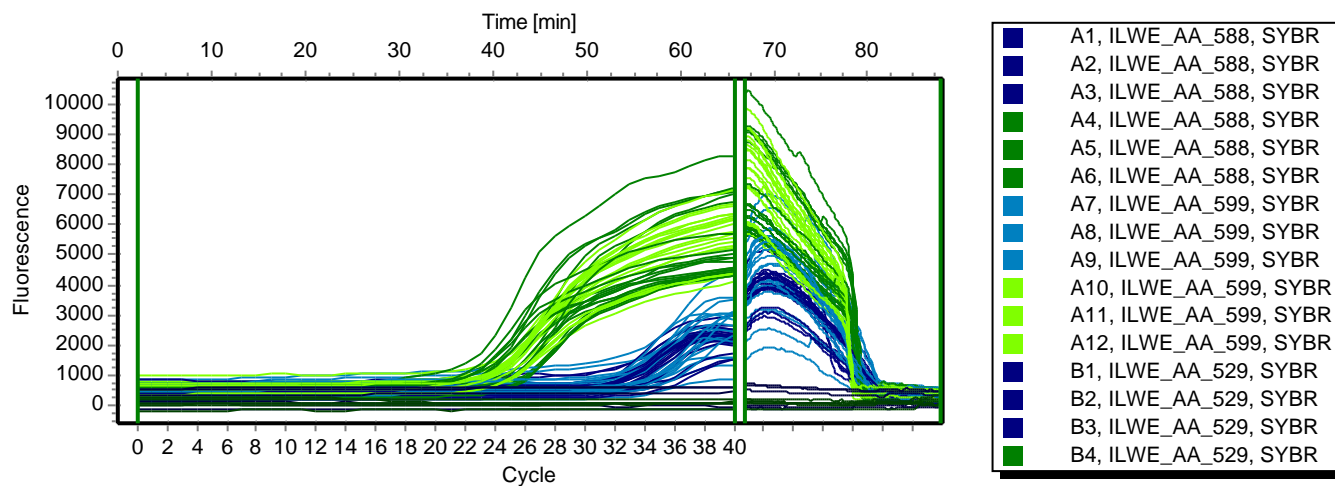
Temperature Profile
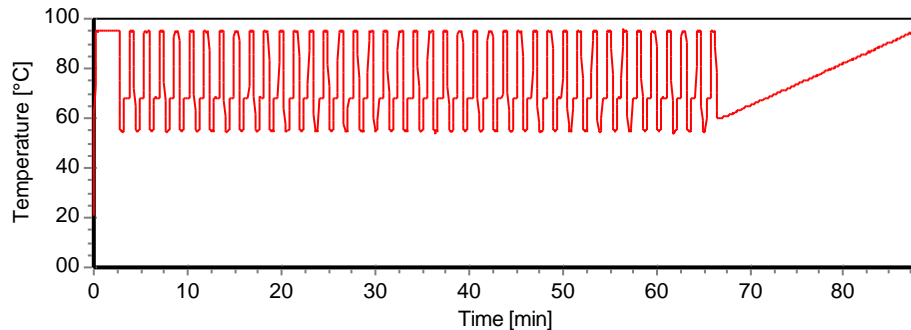
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
A1	ILWE_AA_588	29.91	28.57	3.29	1.00			eimeria
A2	ILWE_AA_588	24.82	28.57	3.29	1.00			eimeria
A3	ILWE_AA_588	30.97	28.57	3.29	1.00			eimeria
A4	ILWE_AA_588	22.22	22.09	0.40	1.00			mouse
A5	ILWE_AA_588	22.42	22.09	0.40	1.00			mouse
A6	ILWE_AA_588	21.64	22.09	0.40	1.00			mouse
A7	ILWE_AA_599	34.45	33.06	1.21	1.00			eimeria
A8	ILWE_AA_599	32.23	33.06	1.21	1.00			eimeria
A9	ILWE_AA_599	32.51	33.06	1.21	1.00			eimeria
A10	ILWE_AA_599	22.55	22.29	0.24	1.00			mouse
A11	ILWE_AA_599	22.25	22.29	0.24	1.00			mouse
A12	ILWE_AA_599	22.08	22.29	0.24	1.00			mouse
B1	ILWE_AA_529	32.58	32.52	0.40	1.00			eimeria
B2	ILWE_AA_529	32.09	32.52	0.40	1.00			eimeria
B3	ILWE_AA_529	32.89	32.52	0.40	1.00			eimeria
B4	ILWE_AA_529	24.49	24.33	0.23	1.00			mouse
B5	ILWE_AA_529	24.44	24.33	0.23	1.00			mouse
B6	ILWE_AA_529	24.06	24.33	0.23	1.00			mouse
B7	ILWE_AA_637	31.82	29.11	2.38	1.00			eimeria
B8	ILWE_AA_637	28.19	29.11	2.38	1.00			eimeria
B9	ILWE_AA_637	27.32	29.11	2.38	1.00			eimeria
B10	ILWE_AA_637	22.03	22.16	0.37	1.00			mouse
B11	ILWE_AA_637	22.58	22.16	0.37	1.00			mouse
B12	ILWE_AA_637	21.87	22.16	0.37	1.00			mouse
C1	ILWE_AA_594	30.41	31.48	0.97	1.00			eimeria
C2	ILWE_AA_594	31.72	31.48	0.97	1.00			eimeria
C3	ILWE_AA_594	32.30	31.48	0.97	1.00			eimeria
C4	ILWE_AA_594	22.80	22.60	0.51	1.00			mouse
C5	ILWE_AA_594	22.98	22.60	0.51	1.00			mouse
C6	ILWE_AA_594	22.02	22.60	0.51	1.00			mouse
C7	ILWE_AA_532	32.93	32.86	0.74	1.00			eimeria
C8	ILWE_AA_532	32.08	32.86	0.74	1.00			eimeria
C9	ILWE_AA_532	33.57	32.86	0.74	1.00			eimeria
C10	ILWE_AA_532	22.85	22.89	0.28	1.00			mouse
C11	ILWE_AA_532	22.63	22.89	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_532	23.19	22.89	0.28	1.00			mouse
D1	ILWE_AA_551	32.97	32.51	0.45	1.00			eimeria
D2	ILWE_AA_551	32.07	32.51	0.45	1.00			eimeria
D3	ILWE_AA_551	32.47	32.51	0.45	1.00			eimeria
D4	ILWE_AA_551	23.76	23.56	0.25	1.00			mouse
D5	ILWE_AA_551	23.63	23.56	0.25	1.00			mouse
D6	ILWE_AA_551	23.28	23.56	0.25	1.00			mouse
D7	ILWE_AA_603	30.78	30.97	0.21	1.00			eimeria
D8	ILWE_AA_603	30.92	30.97	0.21	1.00			eimeria
D9	ILWE_AA_603	31.19	30.97	0.21	1.00			eimeria
D10	ILWE_AA_603	22.62	22.78	0.34	1.00			mouse
D11	ILWE_AA_603	22.55	22.78	0.34	1.00			mouse
D12	ILWE_AA_603	23.17	22.78	0.34	1.00			mouse
E1	ILWE_AA_629	31.27	31.47	0.20	1.00			eimeria
E2	ILWE_AA_629	31.66	31.47	0.20	1.00			eimeria
E3	ILWE_AA_629	31.48	31.47	0.20	1.00			eimeria
E4	ILWE_AA_629	21.41	20.92	0.98	1.00			mouse
E5	ILWE_AA_629	21.55	20.92	0.98	1.00			mouse
E6	ILWE_AA_629	19.78	20.92	0.98	1.00			mouse
E7	ILWE_AA_565	32.41	32.20	0.20	1.00			eimeria
E8	ILWE_AA_565	32.01	32.20	0.20	1.00			eimeria
E9	ILWE_AA_565	32.18	32.20	0.20	1.00			eimeria
E10	ILWE_AA_565	22.75	22.81	0.21	1.00			mouse
E11	ILWE_AA_565	22.63	22.81	0.21	1.00			mouse
E12	ILWE_AA_565	23.04	22.81	0.21	1.00			mouse
F1	ILWE_AA_662	34.49	34.51	0.76	1.00			eimeria
F2	ILWE_AA_662	33.75	34.51	0.76	1.00			eimeria
F3	ILWE_AA_662	35.28	34.51	0.76	1.00			eimeria
F4	ILWE_AA_662	24.26	24.14	0.16	1.00			mouse
F5	ILWE_AA_662	24.21	24.14	0.16	1.00			mouse
F6	ILWE_AA_662	23.96	24.14	0.16	1.00			mouse
F7	ILWE_AA_622	32.97	33.08	0.68	1.00			eimeria
F8	ILWE_AA_622	32.47	33.08	0.68	1.00			eimeria
F9	ILWE_AA_622	33.81	33.08	0.68	1.00			eimeria
F10	ILWE_AA_622	23.05	23.09	0.41	1.00			mouse
F11	ILWE_AA_622	22.71	23.09	0.41	1.00			mouse
F12	ILWE_AA_622	23.53	23.09	0.41	1.00			mouse
G1	ILWE_AA_634	31.54	31.59	0.06	1.00			eimeria
G2	ILWE_AA_634	31.66	31.59	0.06	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_634	31.58	31.59	0.06	1.00			eimeria
G4	ILWE_AA_634	20.97	20.52	1.05	1.00			mouse
G5	ILWE_AA_634	21.27	20.52	1.05	1.00			mouse
G6	ILWE_AA_634	19.32	20.52	1.05	1.00			mouse
G7	ILWE_AA_652	34.46	34.08	0.49	1.00			eimeria
G8	ILWE_AA_652	34.27	34.08	0.49	1.00			eimeria
G9	ILWE_AA_652	33.52	34.08	0.49	1.00			eimeria
G10	ILWE_AA_652	22.75	23.00	0.33	1.00			mouse
G11	ILWE_AA_652	22.87	23.00	0.33	1.00			mouse
G12	ILWE_AA_652	23.38	23.00	0.33	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	-			-			mouse
H12	water	-			-			mouse

Amplification Plot

Threshold 212 (Noiseband)
Baseline automatic, Drift correction OFF
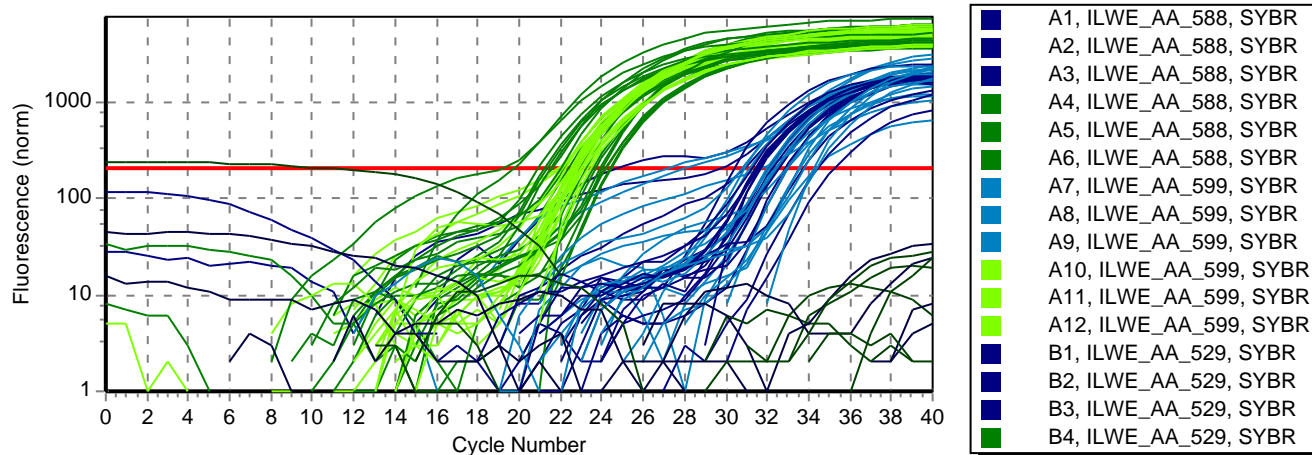
Standard curve

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_588	0				
A2	ILWE_AA_588	0				
A3	ILWE_AA_588	0				
A4	ILWE_AA_588	1	80.2			
A5	ILWE_AA_588	1	80.3			
A6	ILWE_AA_588	1	80.3			
A7	ILWE_AA_599	0				
A8	ILWE_AA_599	0				
A9	ILWE_AA_599	0				
A10	ILWE_AA_599	1	78.6			
A11	ILWE_AA_599	1	78.7			
A12	ILWE_AA_599	1	78.8			
B1	ILWE_AA_529	0				
B2	ILWE_AA_529	0				
B3	ILWE_AA_529	0				
B4	ILWE_AA_529	1	79.9			
B5	ILWE_AA_529	1	80.0			
B6	ILWE_AA_529	1	80.1			
B7	ILWE_AA_637	0				
B8	ILWE_AA_637	0				
B9	ILWE_AA_637	0				
B10	ILWE_AA_637	1	78.7			
B11	ILWE_AA_637	1	78.8			
B12	ILWE_AA_637	1	78.9			
C1	ILWE_AA_594	1	74.9			
C2	ILWE_AA_594	0				
C3	ILWE_AA_594	1	74.6			
C4	ILWE_AA_594	1	79.9			
C5	ILWE_AA_594	1	79.9			
C6	ILWE_AA_594	1	80.0			
C7	ILWE_AA_532	0				
C8	ILWE_AA_532	0				
C9	ILWE_AA_532	0				
C10	ILWE_AA_532	1	78.7			
C11	ILWE_AA_532	1	78.7			
C12	ILWE_AA_532	1	78.8			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	ILWE_AA_551	0				
D2	ILWE_AA_551	0				
D3	ILWE_AA_551	0				
D4	ILWE_AA_551	1	79.7			
D5	ILWE_AA_551	1	79.8			
D6	ILWE_AA_551	1	79.9			
D7	ILWE_AA_603	0				
D8	ILWE_AA_603	0				
D9	ILWE_AA_603	0				
D10	ILWE_AA_603	1	78.4			
D11	ILWE_AA_603	1	78.5			
D12	ILWE_AA_603	1	78.6			
E1	ILWE_AA_629	0				
E2	ILWE_AA_629	0				
E3	ILWE_AA_629	0				
E4	ILWE_AA_629	1	79.8			
E5	ILWE_AA_629	1	79.8			
E6	ILWE_AA_629	1	79.8			
E7	ILWE_AA_565	0				
E8	ILWE_AA_565	0				
E9	ILWE_AA_565	0				
E10	ILWE_AA_565	1	78.7			
E11	ILWE_AA_565	1	78.7			
E12	ILWE_AA_565	1	78.8			
F1	ILWE_AA_662	0				
F2	ILWE_AA_662	0				
F3	ILWE_AA_662	0				
F4	ILWE_AA_662	1	79.8			
F5	ILWE_AA_662	1	79.8			
F6	ILWE_AA_662	1	79.9			
F7	ILWE_AA_622	0				
F8	ILWE_AA_622	0				
F9	ILWE_AA_622	0				
F10	ILWE_AA_622	1	78.6			
F11	ILWE_AA_622	1	78.7			
F12	ILWE_AA_622	1	78.7			
G1	ILWE_AA_634	0				
G2	ILWE_AA_634	0				
G3	ILWE_AA_634	0				
G4	ILWE_AA_634	1	79.9			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	ILWE_AA_634	1	80.0			
G6	ILWE_AA_634	1	80.0			
G7	ILWE_AA_652	0				
G8	ILWE_AA_652	0				
G9	ILWE_AA_652	0				
G10	ILWE_AA_652	1	78.7			
G11	ILWE_AA_652	1	78.7			
G12	ILWE_AA_652	1	78.7			
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

■	A1 - ILWE_AA_588 - 520 [nm]
■	A2 - ILWE_AA_588 - 520 [nm]
■	A3 - ILWE_AA_588 - 520 [nm]
■	A4 - ILWE_AA_588 - 520 [nm]
■	A5 - ILWE_AA_588 - 520 [nm]
■	A6 - ILWE_AA_588 - 520 [nm]
■	A7 - ILWE_AA_599 - 520 [nm]
■	A8 - ILWE_AA_599 - 520 [nm]
■	A9 - ILWE_AA_599 - 520 [nm]
■	A10 - ILWE_AA_599 - 520 [nm]
■	A11 - ILWE_AA_599 - 520 [nm]
■	A12 - ILWE_AA_599 - 520 [nm]
■	B1 - ILWE_AA_529 - 520 [nm]
■	B2 - ILWE_AA_529 - 520 [nm]
■	B3 - ILWE_AA_529 - 520 [nm]
■	B4 - ILWE_AA_529 - 520 [nm]

Threshold   33%