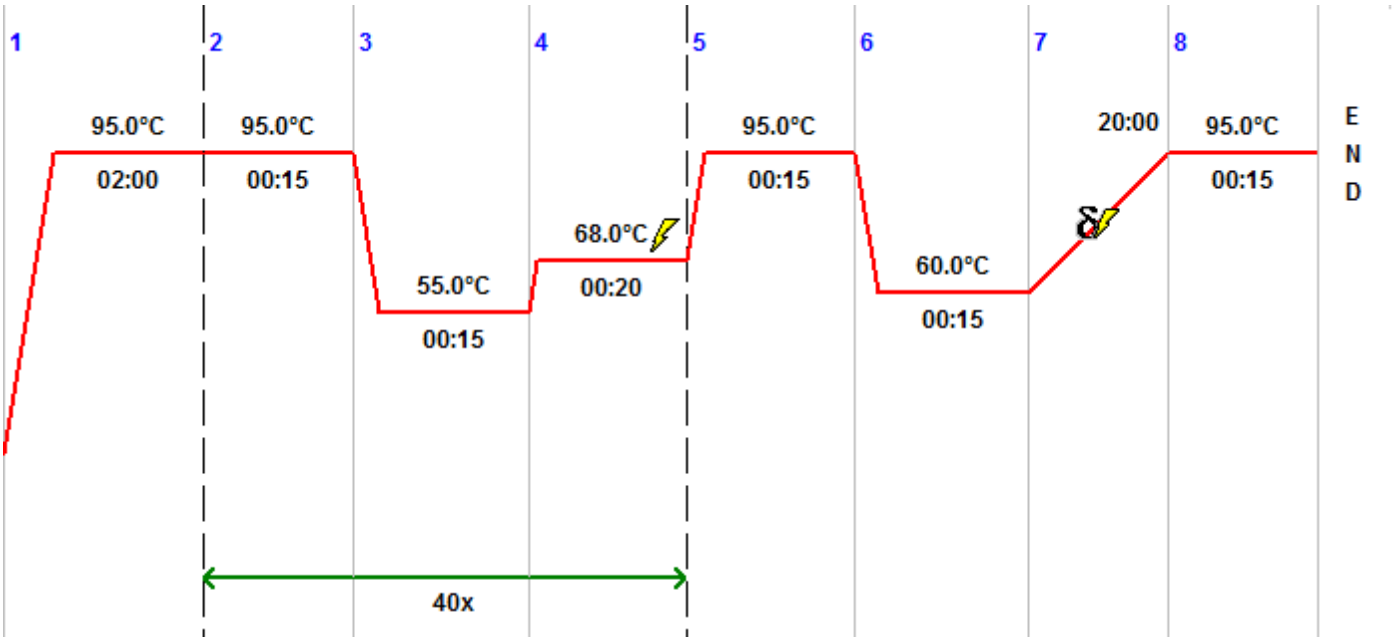
Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\ileum_plate9	
Printed by:	EPPENDORF	
Created:	Nov/21/2018 17:37	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/21/2018 17:40
Acquisition End Time:	EPPENDORF	Nov/21/2018 19:09
Last updated:	EPPENDORF	Nov/06/2018 18:40
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileum_plate9	Quantification	Nov/21/2018 19:10
	+/- Assay (PCR Data)	Nov/21/2018 19:09
	Melting Curve	Nov/21/2018 19:10
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

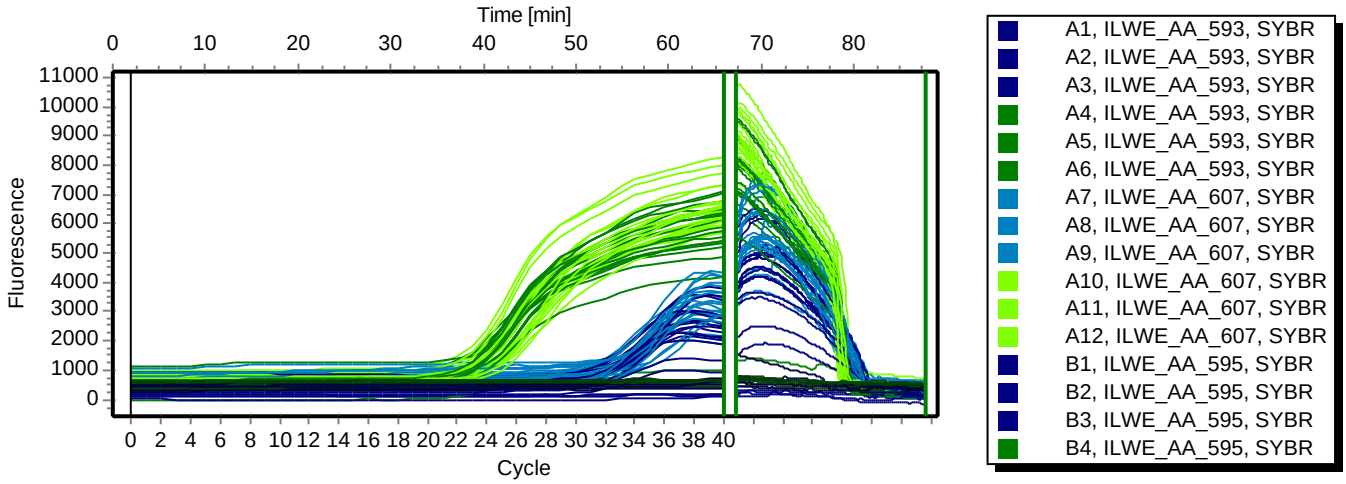


Program Header

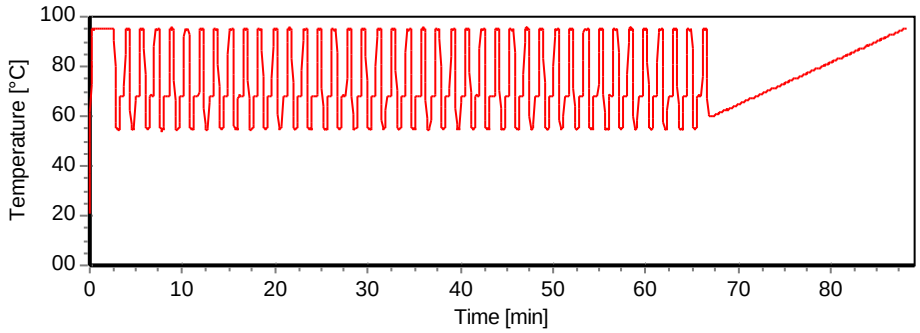
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR

Fluorescence Profile



Temperature Profile



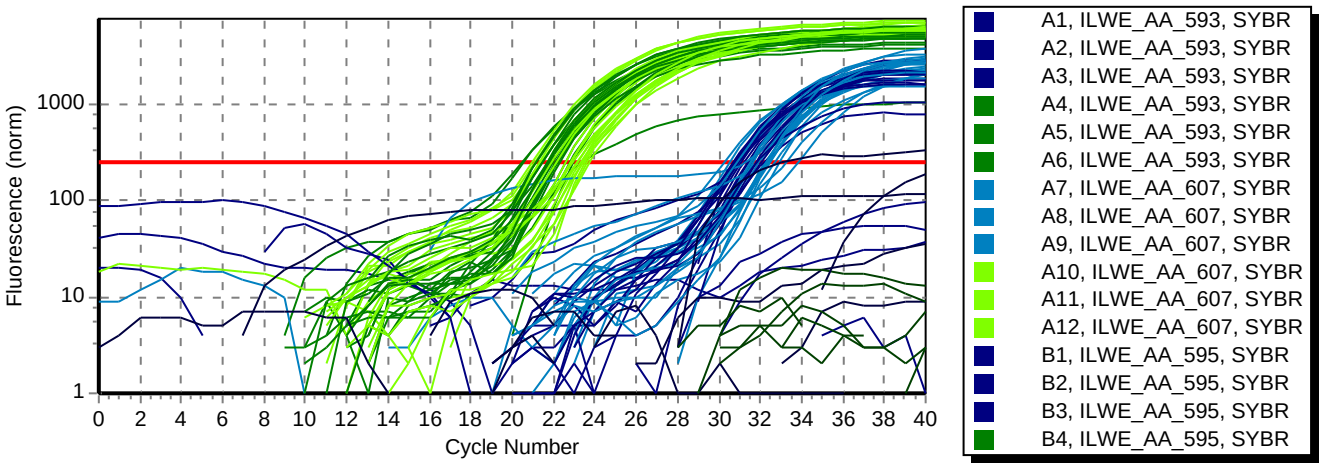
Quantification SYBR

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				1.00			eimeria
A2	ILWE_AA_593				1.00			eimeria
A3	ILWE_AA_593				1.00			eimeria
A4	ILWE_AA_593	20.49	21.49	1.68	1.00			mouse
A5	ILWE_AA_593	20.56	21.49	1.68	1.00			mouse
A6	ILWE_AA_593	23.43	21.49	1.68	1.00			mouse
A7	ILWE_AA_607	30.24	30.56	0.36	1.00			eimeria
A8	ILWE_AA_607	30.50	30.56	0.36	1.00			eimeria
A9	ILWE_AA_607	30.96	30.56	0.36	1.00			eimeria
A10	ILWE_AA_607	21.37	21.27	0.23	1.00			mouse
A11	ILWE_AA_607	21.43	21.27	0.23	1.00			mouse
A12	ILWE_AA_607	21.00	21.27	0.23	1.00			mouse
B1	ILWE_AA_595	30.91	30.93	0.03	1.00			eimeria
B2	ILWE_AA_595	30.95	30.93	0.03	1.00			eimeria
B3	ILWE_AA_595		30.93	0.03	1.00			eimeria
B4	ILWE_AA_595	22.94	22.76	0.19	1.00			mouse
B5	ILWE_AA_595	22.57	22.76	0.19	1.00			mouse
B6	ILWE_AA_595	22.77	22.76	0.19	1.00			mouse
B7	ILWE_AA_608	32.46	32.22	0.25	1.00			eimeria
B8	ILWE_AA_608	31.95	32.22	0.25	1.00			eimeria
B9	ILWE_AA_608	32.24	32.22	0.25	1.00			eimeria
B10	ILWE_AA_608	23.09	23.16	0.36	1.00			mouse
B11	ILWE_AA_608	23.55	23.16	0.36	1.00			mouse
B12	ILWE_AA_608	22.84	23.16	0.36	1.00			mouse
C1	ILWE_AA_596	31.06	31.53	0.55	1.00			eimeria
C2	ILWE_AA_596	31.40	31.53	0.55	1.00			eimeria
C3	ILWE_AA_596	32.14	31.53	0.55	1.00			eimeria
C4	ILWE_AA_596	22.19	22.06	0.13	1.00			mouse
C5	ILWE_AA_596	22.07	22.06	0.13	1.00			mouse
C6	ILWE_AA_596	21.94	22.06	0.13	1.00			mouse
C7	ILWE_AA_609	32.43	32.66	0.23	1.00			eimeria
C8	ILWE_AA_609	32.88	32.66	0.23	1.00			eimeria
C9	ILWE_AA_609	32.68	32.66	0.23	1.00			eimeria
C10	ILWE_AA_609	23.46	23.30	0.16	1.00			mouse
C11	ILWE_AA_609	23.30	23.30	0.16	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_609	23.15	23.30	0.16	1.00			mouse
D1	ILWE_AA_598	31.42	31.38	0.16	1.00			eimeria
D2	ILWE_AA_598	31.52	31.38	0.16	1.00			eimeria
D3	ILWE_AA_598	31.20	31.38	0.16	1.00			eimeria
D4	ILWE_AA_598	22.30	22.15	0.13	1.00			mouse
D5	ILWE_AA_598	22.08	22.15	0.13	1.00			mouse
D6	ILWE_AA_598	22.08	22.15	0.13	1.00			mouse
D7	ILWE_AA_610	32.39	31.97	0.63	1.00			eimeria
D8	ILWE_AA_610	32.27	31.97	0.63	1.00			eimeria
D9	ILWE_AA_610	31.24	31.97	0.63	1.00			eimeria
D10	ILWE_AA_610	21.86	21.44	0.38	1.00			mouse
D11	ILWE_AA_610	21.14	21.44	0.38	1.00			mouse
D12	ILWE_AA_610	21.32	21.44	0.38	1.00			mouse
E1	ILWE_AA_600	30.67	30.74	0.06	1.00			eimeria
E2	ILWE_AA_600	30.79	30.74	0.06	1.00			eimeria
E3	ILWE_AA_600	30.75	30.74	0.06	1.00			eimeria
E4	ILWE_AA_600	21.47	21.26	0.19	1.00			mouse
E5	ILWE_AA_600	21.14	21.26	0.19	1.00			mouse
E6	ILWE_AA_600	21.16	21.26	0.19	1.00			mouse
E7	ILWE_AA_612	33.79	32.93	1.02	1.00			eimeria
E8	ILWE_AA_612	31.80	32.93	1.02	1.00			eimeria
E9	ILWE_AA_612	33.19	32.93	1.02	1.00			eimeria
E10	ILWE_AA_612	22.88	22.76	0.16	1.00			mouse
E11	ILWE_AA_612	22.81	22.76	0.16	1.00			mouse
E12	ILWE_AA_612	22.57	22.76	0.16	1.00			mouse
F1	ILWE_AA_605	31.79	31.82	0.22	1.00			eimeria
F2	ILWE_AA_605	32.06	31.82	0.22	1.00			eimeria
F3	ILWE_AA_605	31.62	31.82	0.22	1.00			eimeria
F4	ILWE_AA_605	22.10	21.76	0.32	1.00			mouse
F5	ILWE_AA_605	21.46	21.76	0.32	1.00			mouse
F6	ILWE_AA_605	21.73	21.76	0.32	1.00			mouse
F7	ILWE_AA_613	31.64	31.56	0.07	1.00			eimeria
F8	ILWE_AA_613	31.53	31.56	0.07	1.00			eimeria
F9	ILWE_AA_613	31.51	31.56	0.07	1.00			eimeria
F10	ILWE_AA_613	22.09	21.86	0.21	1.00			mouse
F11	ILWE_AA_613	21.78	21.86	0.21	1.00			mouse
F12	ILWE_AA_613	21.71	21.86	0.21	1.00			mouse
G1	ILWE_AA_606	30.76	31.12	0.61	1.00			eimeria
G2	ILWE_AA_606	30.77	31.12	0.61	1.00			eimeria

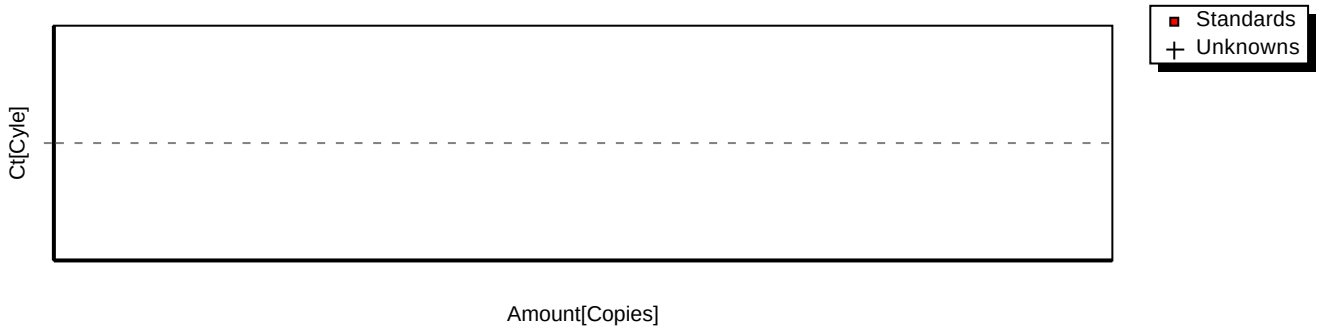
Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
G3	ILWE_AA_606	31.82	31.12	0.61	1.00			eimeria
G4	ILWE_AA_606	21.76	21.71	0.04	1.00			mouse
G5	ILWE_AA_606	21.69	21.71	0.04	1.00			mouse
G6	ILWE_AA_606	21.69	21.71	0.04	1.00			mouse
G7	ILWE_AA_614	32.28	31.82	0.84	1.00			eimeria
G8	ILWE_AA_614	32.33	31.82	0.84	1.00			eimeria
G9	ILWE_AA_614	30.86	31.82	0.84	1.00			eimeria
G10	ILWE_AA_614	23.76	23.60	0.18	1.00			mouse
G11	ILWE_AA_614	23.64	23.60	0.18	1.00			mouse
G12	ILWE_AA_614	23.41	23.60	0.18	1.00			mouse
H1	NTC	-			-			eimeria
H2	NTC	32.91			-			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	246 (Noiseband)
Baseline	automatic, Drift correction OFF

Standard curve



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

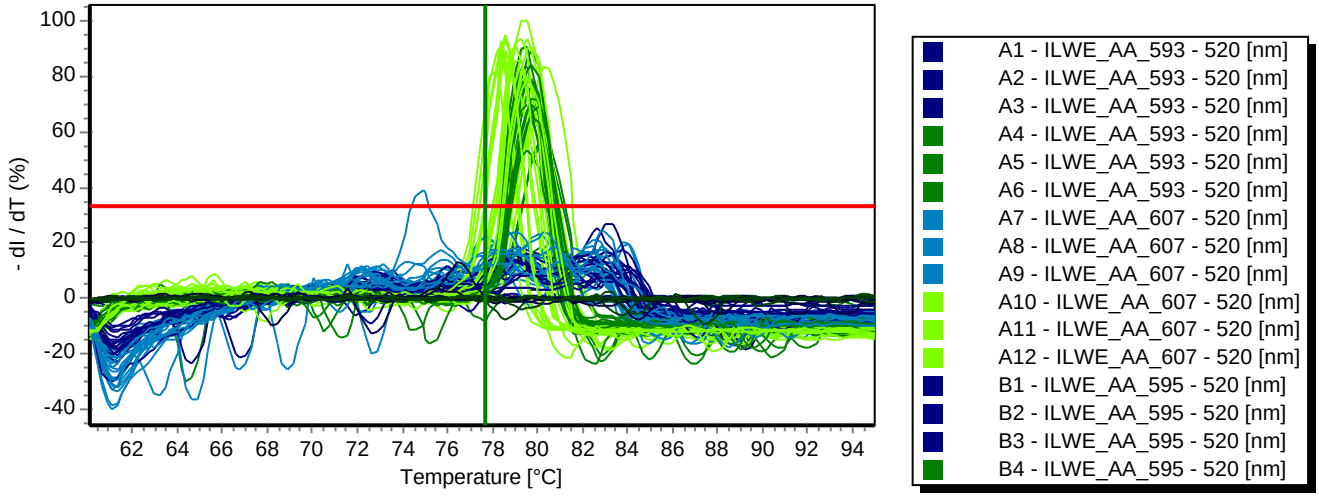
Melting Curve SYBR

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	80.2			
A5	ILWE_AA_593	1	80.3			
A6	ILWE_AA_593	0				
A7	ILWE_AA_607	0				
A8	ILWE_AA_607	0				
A9	ILWE_AA_607	0				
A10	ILWE_AA_607	1	79.6			
A11	ILWE_AA_607	1	79.9			
A12	ILWE_AA_607	1	80.3			
B1	ILWE_AA_595	0				
B2	ILWE_AA_595	0				
B3	ILWE_AA_595	0				
B4	ILWE_AA_595	1	79.6			
B5	ILWE_AA_595	1	79.8			
B6	ILWE_AA_595	1	79.8			
B7	ILWE_AA_608	0				
B8	ILWE_AA_608	0				
B9	ILWE_AA_608	0				
B10	ILWE_AA_608	1	78.4			
B11	ILWE_AA_608	1	79.0			
B12	ILWE_AA_608	1	79.5			
C1	ILWE_AA_596	0				
C2	ILWE_AA_596	0				
C3	ILWE_AA_596	0				
C4	ILWE_AA_596	1	79.7			
C5	ILWE_AA_596	1	79.6			
C6	ILWE_AA_596	1	79.7			
C7	ILWE_AA_609	0				
C8	ILWE_AA_609	0				
C9	ILWE_AA_609	0				
C10	ILWE_AA_609	1	78.1			
C11	ILWE_AA_609	1	78.4			
C12	ILWE_AA_609	1	78.9			

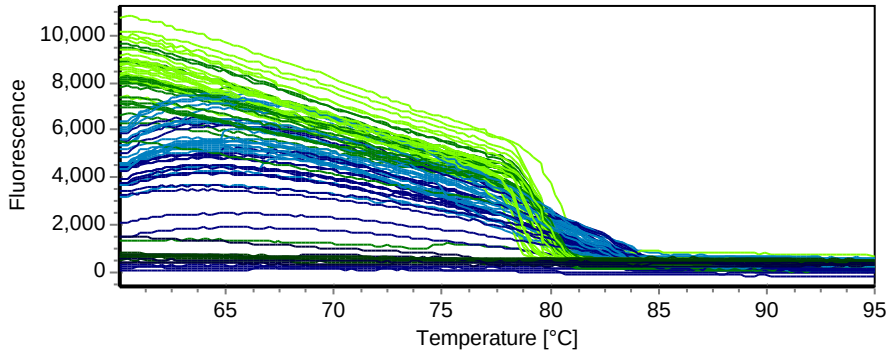
Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	ILWE_AA_598	0				
D2	ILWE_AA_598	0				
D3	ILWE_AA_598	0				
D4	ILWE_AA_598	1	79.4			
D5	ILWE_AA_598	1	79.4			
D6	ILWE_AA_598	1	79.4			
D7	ILWE_AA_610	0				
D8	ILWE_AA_610	0				
D9	ILWE_AA_610	0				
D10	ILWE_AA_610	1	78.6			
D11	ILWE_AA_610	1	79.4			
D12	ILWE_AA_610	1	79.7			
E1	ILWE_AA_600	0				
E2	ILWE_AA_600	0				
E3	ILWE_AA_600	0				
E4	ILWE_AA_600	1	79.4			
E5	ILWE_AA_600	1	79.5			
E6	ILWE_AA_600	1	79.5			
E7	ILWE_AA_612	0				
E8	ILWE_AA_612	0				
E9	ILWE_AA_612	0				
E10	ILWE_AA_612	1	78.3			
E11	ILWE_AA_612	1	78.6			
E12	ILWE_AA_612	1	79.2			
F1	ILWE_AA_605	0				
F2	ILWE_AA_605	0				
F3	ILWE_AA_605	0				
F4	ILWE_AA_605	1	79.5			
F5	ILWE_AA_605	1	79.8			
F6	ILWE_AA_605	1	79.8			
F7	ILWE_AA_613	1	74.9			
F8	ILWE_AA_613	0				
F9	ILWE_AA_613	0				
F10	ILWE_AA_613	1	78.6			
F11	ILWE_AA_613	1	79.0			
F12	ILWE_AA_613	1	79.4			
G1	ILWE_AA_606	0				
G2	ILWE_AA_606	0				
G3	ILWE_AA_606	0				
G4	ILWE_AA_606	1	79.8			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	ILWE_AA_606	1	79.9			
G6	ILWE_AA_606	1	79.9			
G7	ILWE_AA_614	0				
G8	ILWE_AA_614	0				
G9	ILWE_AA_614	0				
G10	ILWE_AA_614	1	78.6			
G11	ILWE_AA_614	1	79.1			
G12	ILWE_AA_614	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%



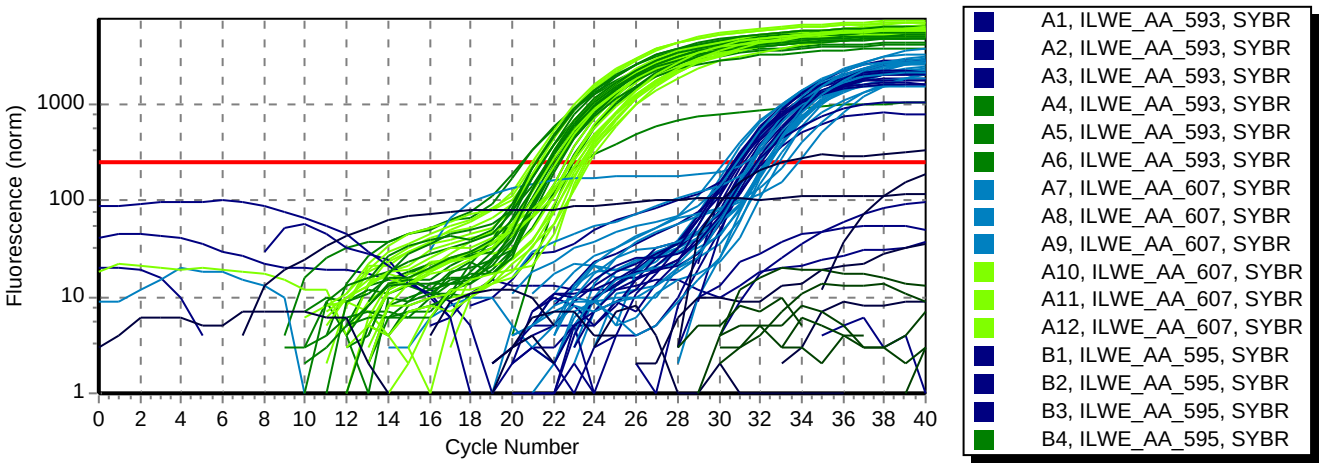
+/- Assay SYBR

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
A1	ILWE_AA_593	Negative			
A2	ILWE_AA_593	Negative			
A3	ILWE_AA_593	Negative			
A4	ILWE_AA_593	Positive	20.49	21.49	1.68
A5	ILWE_AA_593	Positive	20.56	21.49	1.68
A6	ILWE_AA_593	Positive	23.43	21.49	1.68
A7	ILWE_AA_607	Positive	30.24	30.56	0.36
A8	ILWE_AA_607	Positive	30.50	30.56	0.36
A9	ILWE_AA_607	Positive	30.96	30.56	0.36
A10	ILWE_AA_607	Positive	21.37	21.27	0.23
A11	ILWE_AA_607	Positive	21.43	21.27	0.23
A12	ILWE_AA_607	Positive	21.00	21.27	0.23
B1	ILWE_AA_595	Positive	30.91	30.93	0.03
B2	ILWE_AA_595	Positive	30.95	30.93	0.03
B3	ILWE_AA_595	Negative		30.93	0.03
B4	ILWE_AA_595	Positive	22.94	22.76	0.19
B5	ILWE_AA_595	Positive	22.57	22.76	0.19
B6	ILWE_AA_595	Positive	22.77	22.76	0.19
B7	ILWE_AA_608	Positive	32.46	32.22	0.25
B8	ILWE_AA_608	Positive	31.95	32.22	0.25
B9	ILWE_AA_608	Positive	32.24	32.22	0.25
B10	ILWE_AA_608	Positive	23.09	23.16	0.36
B11	ILWE_AA_608	Positive	23.55	23.16	0.36
B12	ILWE_AA_608	Positive	22.84	23.16	0.36
C1	ILWE_AA_596	Positive	31.06	31.53	0.55
C2	ILWE_AA_596	Positive	31.40	31.53	0.55
C3	ILWE_AA_596	Positive	32.14	31.53	0.55
C4	ILWE_AA_596	Positive	22.19	22.06	0.13
C5	ILWE_AA_596	Positive	22.07	22.06	0.13
C6	ILWE_AA_596	Positive	21.94	22.06	0.13
C7	ILWE_AA_609	Positive	32.43	32.66	0.23
C8	ILWE_AA_609	Positive	32.88	32.66	0.23
C9	ILWE_AA_609	Positive	32.68	32.66	0.23
C10	ILWE_AA_609	Positive	23.46	23.30	0.16
C11	ILWE_AA_609	Positive	23.30	23.30	0.16
C12	ILWE_AA_609	Positive	23.15	23.30	0.16

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
D1	ILWE_AA_598	Positive	31.42	31.38	0.16
D2	ILWE_AA_598	Positive	31.52	31.38	0.16
D3	ILWE_AA_598	Positive	31.20	31.38	0.16
D4	ILWE_AA_598	Positive	22.30	22.15	0.13
D5	ILWE_AA_598	Positive	22.08	22.15	0.13
D6	ILWE_AA_598	Positive	22.08	22.15	0.13
D7	ILWE_AA_610	Positive	32.39	31.97	0.63
D8	ILWE_AA_610	Positive	32.27	31.97	0.63
D9	ILWE_AA_610	Positive	31.24	31.97	0.63
D10	ILWE_AA_610	Positive	21.86	21.44	0.38
D11	ILWE_AA_610	Positive	21.14	21.44	0.38
D12	ILWE_AA_610	Positive	21.32	21.44	0.38
E1	ILWE_AA_600	Positive	30.67	30.74	0.06
E2	ILWE_AA_600	Positive	30.79	30.74	0.06
E3	ILWE_AA_600	Positive	30.75	30.74	0.06
E4	ILWE_AA_600	Positive	21.47	21.26	0.19
E5	ILWE_AA_600	Positive	21.14	21.26	0.19
E6	ILWE_AA_600	Positive	21.16	21.26	0.19
E7	ILWE_AA_612	Positive	33.79	32.93	1.02
E8	ILWE_AA_612	Positive	31.80	32.93	1.02
E9	ILWE_AA_612	Positive	33.19	32.93	1.02
E10	ILWE_AA_612	Positive	22.88	22.76	0.16
E11	ILWE_AA_612	Positive	22.81	22.76	0.16
E12	ILWE_AA_612	Positive	22.57	22.76	0.16
F1	ILWE_AA_605	Positive	31.79	31.82	0.22
F2	ILWE_AA_605	Positive	32.06	31.82	0.22
F3	ILWE_AA_605	Positive	31.62	31.82	0.22
F4	ILWE_AA_605	Positive	22.10	21.76	0.32
F5	ILWE_AA_605	Positive	21.46	21.76	0.32
F6	ILWE_AA_605	Positive	21.73	21.76	0.32
F7	ILWE_AA_613	Positive	31.64	31.56	0.07
F8	ILWE_AA_613	Positive	31.53	31.56	0.07
F9	ILWE_AA_613	Positive	31.51	31.56	0.07
F10	ILWE_AA_613	Positive	22.09	21.86	0.21
F11	ILWE_AA_613	Positive	21.78	21.86	0.21
F12	ILWE_AA_613	Positive	21.71	21.86	0.21
G1	ILWE_AA_606	Positive	30.76	31.12	0.61
G2	ILWE_AA_606	Positive	30.77	31.12	0.61
G3	ILWE_AA_606	Positive	31.82	31.12	0.61
G4	ILWE_AA_606	Positive	21.76	21.71	0.04

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
G5	ILWE_AA_606	Positive	21.69	21.71	0.04
G6	ILWE_AA_606	Positive	21.69	21.71	0.04
G7	ILWE_AA_614	Positive	32.28	31.82	0.84
G8	ILWE_AA_614	Positive	32.33	31.82	0.84
G9	ILWE_AA_614	Positive	30.86	31.82	0.84
G10	ILWE_AA_614	Positive	23.76	23.60	0.18
G11	ILWE_AA_614	Positive	23.64	23.60	0.18
G12	ILWE_AA_614	Positive	23.41	23.60	0.18
H1	NTC	Negative	-		
H2	NTC	Positive	32.91		
H3	NTC	Negative	-		
H4	NTC	Negative	-		
H5	NTC	Negative	-		
H6	NTC	Negative	-		
H7	water	Negative	-		
H8	water	Negative	-		
H9	water	Negative	-		
H10	water	Negative	-		
H11	water	Negative	-		
H12	water	Negative	-		

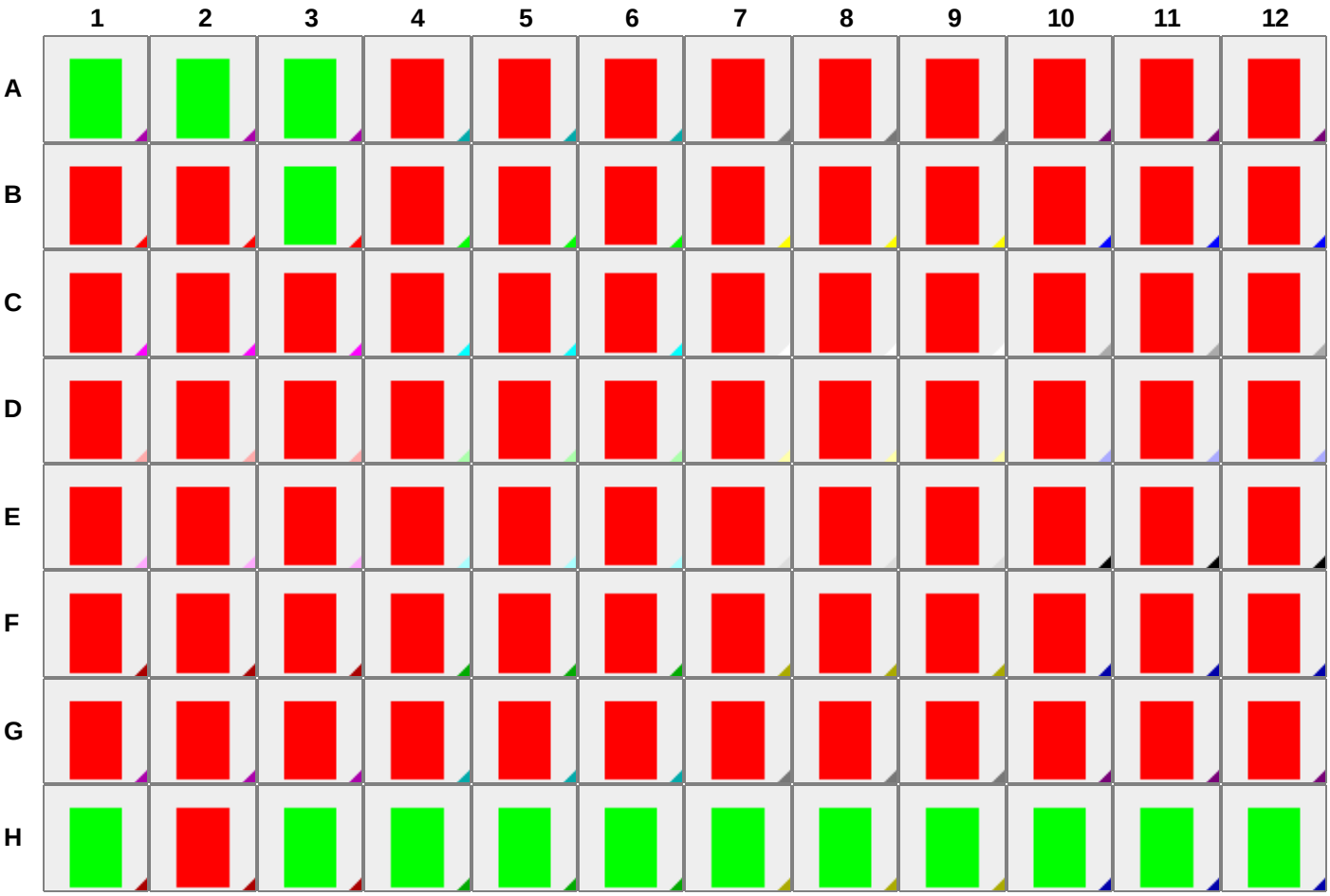
Amplification Plot



Threshold 246 (Noiseband)

Baseline automatic, Drift correction OFF

Visualization Charts PCR Data



+/- result

- Inconclusive
- Positive
- Negative