

Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\ileumplate8.3	
Printed by:	EPPENDORF	
Created:	Nov/23/2018 14:46	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/23/2018 14:50
Acquisition End Time:	EPPENDORF	Nov/23/2018 16:18
Last updated:	EPPENDORF	Nov/22/2018 17:04
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileumplate8.3	Quantification	Nov/23/2018 16:30
	Melting Curve	Nov/23/2018 16:20
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

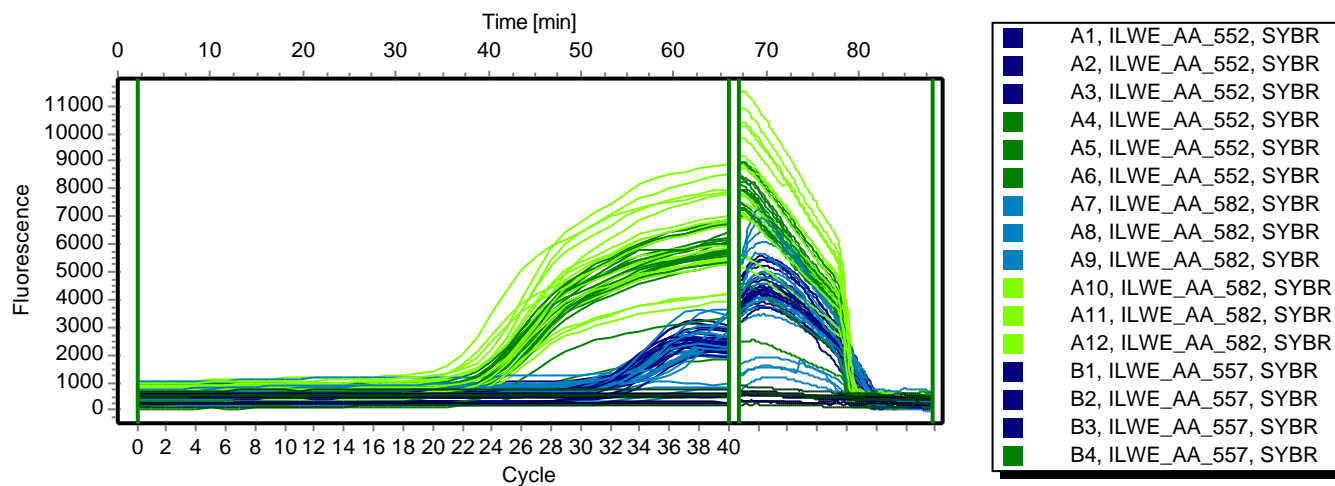


Program Header

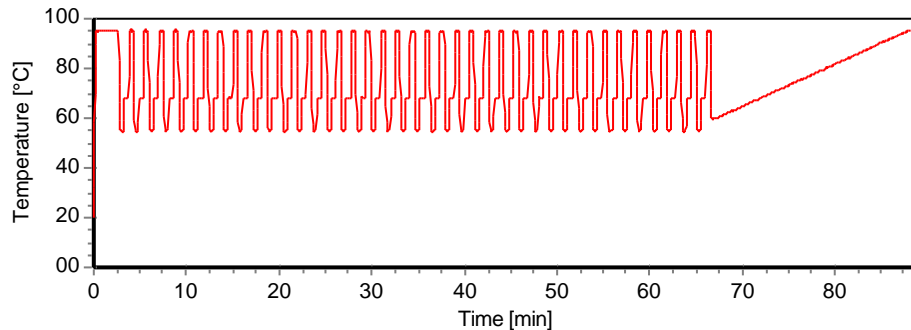
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR







































































Fluorescence Profile







































































































Temperature Profile



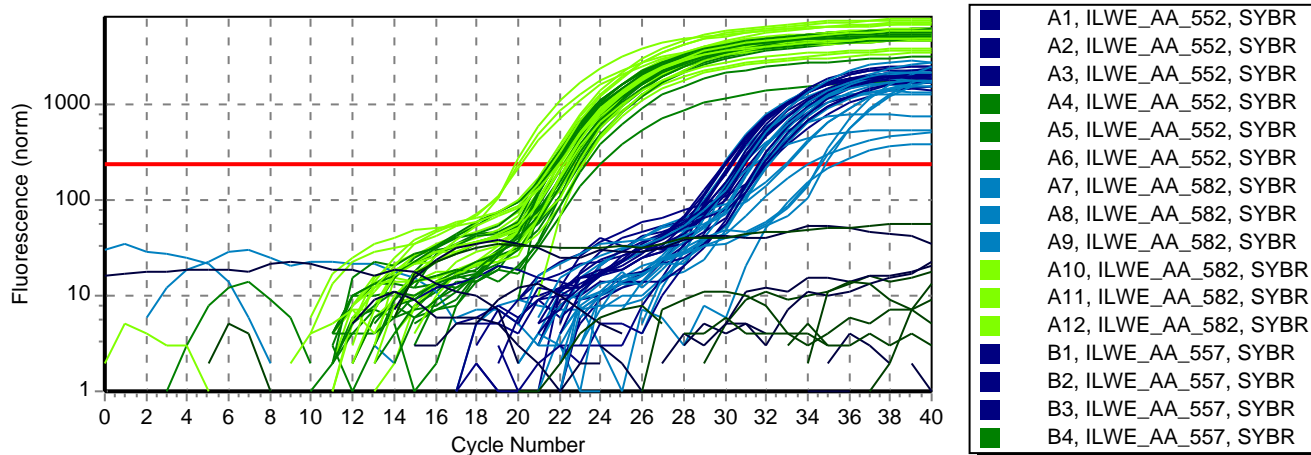
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	ILWE_AA_552	30.73	30.91	0.25	1.00			eimeria
  A2	ILWE_AA_552	30.81	30.91	0.25	1.00			eimeria
  A3	ILWE_AA_552	31.20	30.91	0.25	1.00			eimeria
  A4	ILWE_AA_552	22.49	22.98	0.92	1.00			mouse
  A5	ILWE_AA_552	22.41	22.98	0.92	1.00			mouse
  A6	ILWE_AA_552	24.04	22.98	0.92	1.00			mouse
  A7	ILWE_AA_582	31.88	33.16	1.99	1.00			eimeria
  A8	ILWE_AA_582	32.17	33.16	1.99	1.00			eimeria
  A9	ILWE_AA_582	35.45	33.16	1.99	1.00			eimeria
  A10	ILWE_AA_582	22.56	22.04	0.46	1.00			mouse
  A11	ILWE_AA_582	21.80	22.04	0.46	1.00			mouse
  A12	ILWE_AA_582	21.75	22.04	0.46	1.00			mouse
  B1	ILWE_AA_557	32.05	31.75	0.36	1.00			eimeria
  B2	ILWE_AA_557	31.35	31.75	0.36	1.00			eimeria
  B3	ILWE_AA_557	31.84	31.75	0.36	1.00			eimeria
  B4	ILWE_AA_557	22.89	22.82	0.25	1.00			mouse
  B5	ILWE_AA_557	23.03	22.82	0.25	1.00			mouse
  B6	ILWE_AA_557	22.55	22.82	0.25	1.00			mouse
  B7	ILWE_AA_584	30.59	30.77	0.62	1.00			eimeria
  B8	ILWE_AA_584	30.26	30.77	0.62	1.00			eimeria
  B9	ILWE_AA_584	31.46	30.77	0.62	1.00			eimeria
  B10	ILWE_AA_584	20.14	20.00	0.14	1.00			mouse
  B11	ILWE_AA_584	19.87	20.00	0.14	1.00			mouse
  B12	ILWE_AA_584	20.00	20.00	0.14	1.00			mouse
  C1	ILWE_AA_576	30.61	30.40	0.19	1.00			eimeria
  C2	ILWE_AA_576	30.36	30.40	0.19	1.00			eimeria
  C3	ILWE_AA_576	30.23	30.40	0.19	1.00			eimeria
  C4	ILWE_AA_576	21.87	21.78	0.20	1.00			mouse
  C5	ILWE_AA_576	21.93	21.78	0.20	1.00			mouse
  C6	ILWE_AA_576	21.55	21.78	0.20	1.00			mouse
  C7	ILWE_AA_586	29.92	30.25	0.51	1.00			eimeria
  C8	ILWE_AA_586	29.98	30.25	0.51	1.00			eimeria
  C9	ILWE_AA_586	30.84	30.25	0.51	1.00			eimeria
  C10	ILWE_AA_586	22.17	21.91	0.31	1.00			mouse
  C11	ILWE_AA_586	21.56	21.91	0.31	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_586	21.99	21.91	0.31	1.00			mouse
  D1	ILWE_AA_577	31.63	30.96	0.67	1.00			eimeria
  D2	ILWE_AA_577	30.97	30.96	0.67	1.00			eimeria
  D3	ILWE_AA_577	30.28	30.96	0.67	1.00			eimeria
  D4	ILWE_AA_577	22.86	22.74	0.18	1.00			mouse
  D5	ILWE_AA_577	22.82	22.74	0.18	1.00			mouse
  D6	ILWE_AA_577	22.54	22.74	0.18	1.00			mouse
  D7	ILWE_AA_587	33.07	33.39	0.67	1.00			eimeria
  D8	ILWE_AA_587	32.93	33.39	0.67	1.00			eimeria
  D9	ILWE_AA_587	34.16	33.39	0.67	1.00			eimeria
  D10	ILWE_AA_587	23.13	22.91	0.22	1.00			mouse
  D11	ILWE_AA_587	22.69	22.91	0.22	1.00			mouse
  D12	ILWE_AA_587	22.92	22.91	0.22	1.00			mouse
  E1	ILWE_AA_579	30.98	30.80	0.16	1.00			eimeria
  E2	ILWE_AA_579	30.75	30.80	0.16	1.00			eimeria
  E3	ILWE_AA_579	30.67	30.80	0.16	1.00			eimeria
  E4	ILWE_AA_579	21.89	21.93	0.24	1.00			mouse
  E5	ILWE_AA_579	22.19	21.93	0.24	1.00			mouse
  E6	ILWE_AA_579	21.71	21.93	0.24	1.00			mouse
  E7	ILWE_AA_589	31.78	32.00	0.21	1.00			eimeria
  E8	ILWE_AA_589	32.19	32.00	0.21	1.00			eimeria
  E9	ILWE_AA_589	32.05	32.00	0.21	1.00			eimeria
  E10	ILWE_AA_589	22.64	22.73	0.42	1.00			mouse
  E11	ILWE_AA_589	22.36	22.73	0.42	1.00			mouse
  E12	ILWE_AA_589	23.19	22.73	0.42	1.00			mouse
  F1	ILWE_AA_580	32.04	31.86	0.19	1.00			eimeria
  F2	ILWE_AA_580	31.66	31.86	0.19	1.00			eimeria
  F3	ILWE_AA_580	31.88	31.86	0.19	1.00			eimeria
  F4	ILWE_AA_580	22.65	22.81	0.43	1.00			mouse
  F5	ILWE_AA_580	22.49	22.81	0.43	1.00			mouse
  F6	ILWE_AA_580	23.30	22.81	0.43	1.00			mouse
  F7	ILWE_AA_590	34.68	34.73	0.15	1.00			eimeria
  F8	ILWE_AA_590	34.90	34.73	0.15	1.00			eimeria
  F9	ILWE_AA_590	34.61	34.73	0.15	1.00			eimeria
  F10	ILWE_AA_590	22.02	21.97	0.49	1.00			mouse
  F11	ILWE_AA_590	21.46	21.97	0.49	1.00			mouse
  F12	ILWE_AA_590	22.44	21.97	0.49	1.00			mouse
  G1	ILWE_AA_581	29.99	29.99	0.06	1.00			eimeria
  G2	ILWE_AA_581	30.05	29.99	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_581	29.93	29.99	0.06	1.00			eimeria
 G4	ILWE_AA_581	21.56	21.72	0.14	1.00			mouse
 G5	ILWE_AA_581	21.83	21.72	0.14	1.00			mouse
 G6	ILWE_AA_581	21.76	21.72	0.14	1.00			mouse
 G7	ILWE_AA_591	31.39	31.24	0.30	1.00			eimeria
 G8	ILWE_AA_591	30.90	31.24	0.30	1.00			eimeria
 G9	ILWE_AA_591	31.43	31.24	0.30	1.00			eimeria
 G10	ILWE_AA_591	22.23	21.95	0.30	1.00			mouse
 G11	ILWE_AA_591	21.62	21.95	0.30	1.00			mouse
 G12	ILWE_AA_591	21.99	21.95	0.30	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
































Standard curve




























Slope - R² -

Y-Intercept - Efficiency -

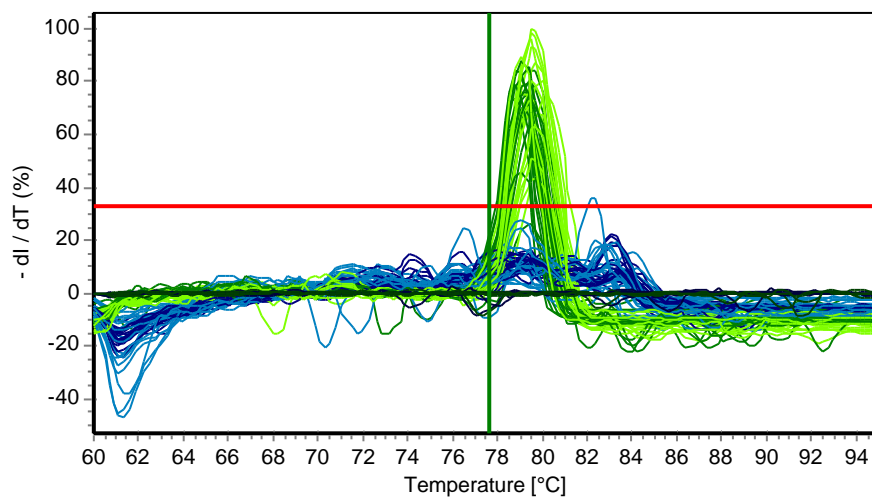
Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 A1	ILWE_AA_552	0				
 A2	ILWE_AA_552	0				
 A3	ILWE_AA_552	0				
 A4	ILWE_AA_552	1	79.2			
 A5	ILWE_AA_552	1	79.6			
 A6	ILWE_AA_552	0				
 A7	ILWE_AA_582	0				
 A8	ILWE_AA_582	0				
 A9	ILWE_AA_582	0				
 A10	ILWE_AA_582	1	79.6			
 A11	ILWE_AA_582	1	79.9			
 A12	ILWE_AA_582	1	80.2			
 B1	ILWE_AA_557	0				
 B2	ILWE_AA_557	0				
 B3	ILWE_AA_557	0				
 B4	ILWE_AA_557	1	79.2			
 B5	ILWE_AA_557	1	79.4			
 B6	ILWE_AA_557	1	79.6			
 B7	ILWE_AA_584	0				
 B8	ILWE_AA_584	0				
 B9	ILWE_AA_584	0				
 B10	ILWE_AA_584	1	79.5			
 B11	ILWE_AA_584	1	79.8			
 B12	ILWE_AA_584	1	79.9			
 C1	ILWE_AA_576	0				
 C2	ILWE_AA_576	0				
 C3	ILWE_AA_576	0				
 C4	ILWE_AA_576	1	78.7			
 C5	ILWE_AA_576	1	79.2			
 C6	ILWE_AA_576	1	79.3			
 C7	ILWE_AA_586	0				
 C8	ILWE_AA_586	0				
 C9	ILWE_AA_586	0				
 C10	ILWE_AA_586	1	79.3			
 C11	ILWE_AA_586	1	79.6			
 C12	ILWE_AA_586	1	79.7			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 D1	ILWE_AA_577	0				
 D2	ILWE_AA_577	0				
 D3	ILWE_AA_577	0				
 D4	ILWE_AA_577	1	78.9			
 D5	ILWE_AA_577	1	79.2			
 D6	ILWE_AA_577	1	79.3			
 D7	ILWE_AA_587	0				
 D8	ILWE_AA_587	0				
 D9	ILWE_AA_587	0				
 D10	ILWE_AA_587	1	79.2			
 D11	ILWE_AA_587	1	79.5			
 D12	ILWE_AA_587	1	79.6			
 E1	ILWE_AA_579	0				
 E2	ILWE_AA_579	0				
 E3	ILWE_AA_579	0				
 E4	ILWE_AA_579	1	79.0			
 E5	ILWE_AA_579	1	79.3			
 E6	ILWE_AA_579	1	79.4			
 E7	ILWE_AA_589	0				
 E8	ILWE_AA_589	0				
 E9	ILWE_AA_589	0				
 E10	ILWE_AA_589	1	79.3			
 E11	ILWE_AA_589	1	79.6			
 E12	ILWE_AA_589	1	79.7			
 F1	ILWE_AA_580	0				
 F2	ILWE_AA_580	0				
 F3	ILWE_AA_580	0				
 F4	ILWE_AA_580	1	78.7			
 F5	ILWE_AA_580	1	79.1			
 F6	ILWE_AA_580	1	79.0			
 F7	ILWE_AA_590	0				
 F8	ILWE_AA_590	0				
 F9	ILWE_AA_590	1	82.2			
 F10	ILWE_AA_590	1	79.5			
 F11	ILWE_AA_590	1	79.6			
 F12	ILWE_AA_590	1	79.6			
 G1	ILWE_AA_581	0				
 G2	ILWE_AA_581	0				
 G3	ILWE_AA_581	0				
 G4	ILWE_AA_581	1	79.1			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 G5	ILWE_AA_581	1	79.4			
 G6	ILWE_AA_581	1	79.7			
 G7	ILWE_AA_591	0				
 G8	ILWE_AA_591	0				
 G9	ILWE_AA_591	0				
 G10	ILWE_AA_591	1	79.1			
 G11	ILWE_AA_591	1	79.6			
 G12	ILWE_AA_591	1	79.7			
 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_552 - 520 [nm]
- A2 - ILWE_AA_552 - 520 [nm]
- A3 - ILWE_AA_552 - 520 [nm]
- A4 - ILWE_AA_552 - 520 [nm]
- A5 - ILWE_AA_552 - 520 [nm]
- A6 - ILWE_AA_552 - 520 [nm]
- A7 - ILWE_AA_582 - 520 [nm]
- A8 - ILWE_AA_582 - 520 [nm]
- A9 - ILWE_AA_582 - 520 [nm]
- A10 - ILWE_AA_582 - 520 [nm]
- A11 - ILWE_AA_582 - 520 [nm]
- A12 - ILWE_AA_582 - 520 [nm]
- B1 - ILWE_AA_557 - 520 [nm]
- B2 - ILWE_AA_557 - 520 [nm]
- B3 - ILWE_AA_557 - 520 [nm]
- B4 - ILWE_AA_557 - 520 [nm]

Threshold 33%

