

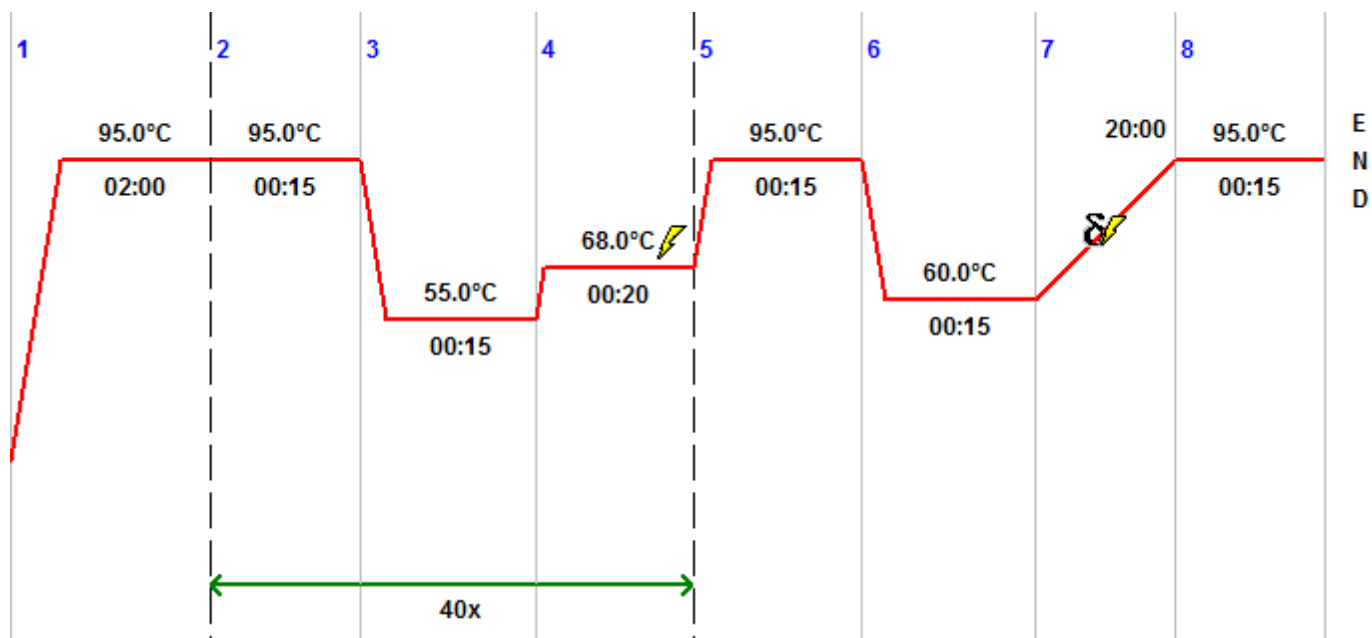
## Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\ileumplate4	
Printed by:	EPPENDORF	
Created:	Nov/06/2018 18:41	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Nov/06/2018 18:44
Acquisition End Time:	EPPENDORF	Nov/06/2018 20:12
Last updated:	EPPENDORF	Oct/25/2018 15:01
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
ileumplate4	Quantification	Nov/06/2018 20:13
	+/- Assay (PCR Data)	Nov/06/2018 20:13
	Gene Identification (PCR Data)	Nov/06/2018 20:14
	Melting Curve	Nov/06/2018 20:14
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

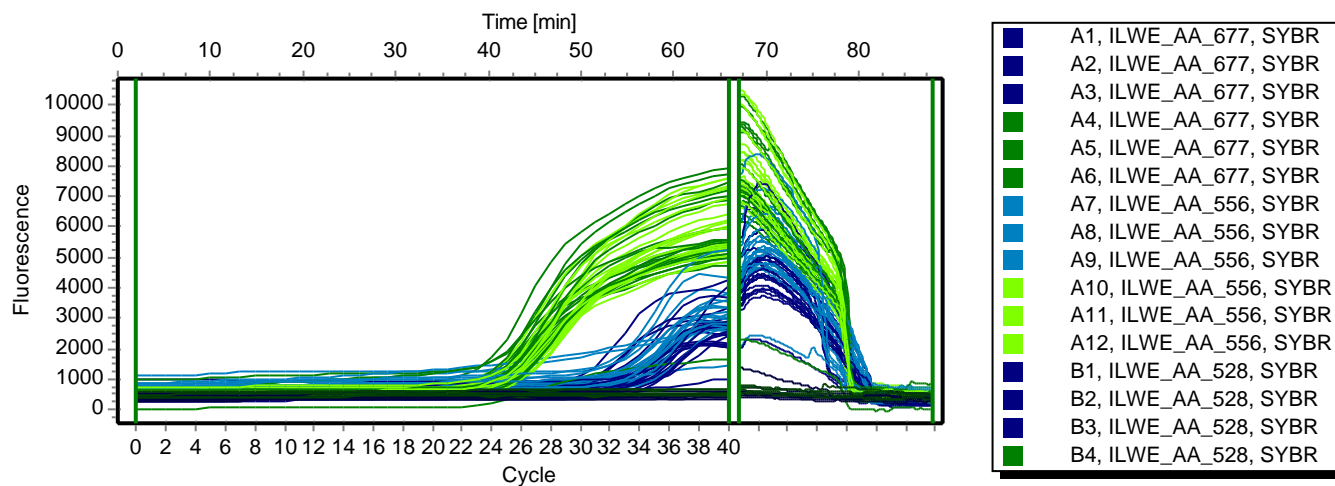


## Program Header

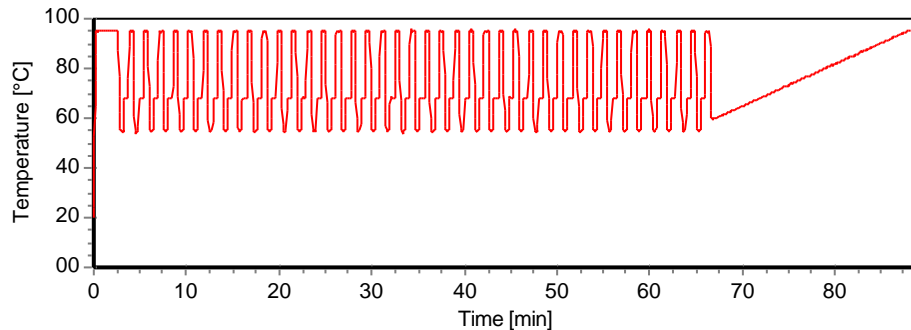
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

## Raw Data SYBR




































### Fluorescence Profile







































































































### Temperature Profile



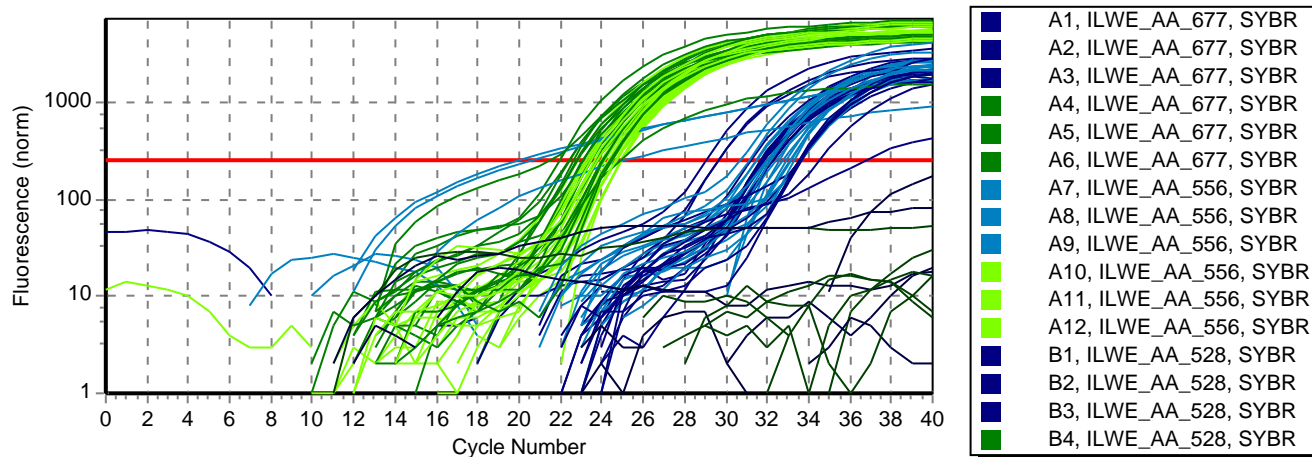
## Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
 A1	ILWE_AA_677	31.79	31.58	0.29	1.00			eimeria
 A2	ILWE_AA_677	31.25	31.58	0.29	1.00			eimeria
 A3	ILWE_AA_677	31.71	31.58	0.29	1.00			eimeria
 A4	ILWE_AA_677	22.42	22.26	0.27	1.00			mouse
 A5	ILWE_AA_677	21.94	22.26	0.27	1.00			mouse
 A6	ILWE_AA_677	22.41	22.26	0.27	1.00			mouse
 A7	ILWE_AA_556	33.53	33.19	0.32	1.00			eimeria
 A8	ILWE_AA_556	33.15	33.19	0.32	1.00			eimeria
 A9	ILWE_AA_556	32.89	33.19	0.32	1.00			eimeria
 A10	ILWE_AA_556	24.46	24.10	0.32	1.00			mouse
 A11	ILWE_AA_556	23.85	24.10	0.32	1.00			mouse
 A12	ILWE_AA_556	23.99	24.10	0.32	1.00			mouse
 B1	ILWE_AA_528	31.84	31.78	0.05	1.00			eimeria
 B2	ILWE_AA_528	31.78	31.78	0.05	1.00			eimeria
 B3	ILWE_AA_528	31.73	31.78	0.05	1.00			eimeria
 B4	ILWE_AA_528	23.46	23.38	0.22	1.00			mouse
 B5	ILWE_AA_528	23.14	23.38	0.22	1.00			mouse
 B6	ILWE_AA_528	23.55	23.38	0.22	1.00			mouse
 B7	ILWE_AA_663	32.58	32.27	0.28	1.00			eimeria
 B8	ILWE_AA_663	32.18	32.27	0.28	1.00			eimeria
 B9	ILWE_AA_663	32.05	32.27	0.28	1.00			eimeria
 B10	ILWE_AA_663	24.91	24.93	0.03	1.00			mouse
 B11	ILWE_AA_663	24.90	24.93	0.03	1.00			mouse
 B12	ILWE_AA_663	24.96	24.93	0.03	1.00			mouse
 C1	ILWE_AA_661	29.64	29.44	0.34	1.00			eimeria
 C2	ILWE_AA_661	29.05	29.44	0.34	1.00			eimeria
 C3	ILWE_AA_661	29.63	29.44	0.34	1.00			eimeria
 C4	ILWE_AA_661	23.86	23.61	0.33	1.00			mouse
 C5	ILWE_AA_661	23.24	23.61	0.33	1.00			mouse
 C6	ILWE_AA_661	23.73	23.61	0.33	1.00			mouse
 C7	ILWE_AA_578	32.72	32.41	0.35	1.00			eimeria
 C8	ILWE_AA_578	32.03	32.41	0.35	1.00			eimeria
 C9	ILWE_AA_578	32.47	32.41	0.35	1.00			eimeria
 C10	ILWE_AA_578	23.26	23.16	0.28	1.00			mouse
 C11	ILWE_AA_578	22.84	23.16	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_578	23.38	23.16	0.28	1.00			mouse
  D1	ILWE_AA_567	32.29	32.29	0.02	1.00			eimeria
  D2	ILWE_AA_567	32.32	32.29	0.02	1.00			eimeria
  D3	ILWE_AA_567	32.27	32.29	0.02	1.00			eimeria
  D4	ILWE_AA_567	24.08	23.96	0.19	1.00			mouse
  D5	ILWE_AA_567	23.74	23.96	0.19	1.00			mouse
  D6	ILWE_AA_567	24.05	23.96	0.19	1.00			mouse
  D7	ILWE_AA_660	20.07	21.97	2.79	1.00			eimeria
  D8	ILWE_AA_660	20.67	21.97	2.79	1.00			eimeria
  D9	ILWE_AA_660	25.18	21.97	2.79	1.00			eimeria
  D10	ILWE_AA_660	24.54	24.55	0.19	1.00			mouse
  D11	ILWE_AA_660	24.36	24.55	0.19	1.00			mouse
  D12	ILWE_AA_660	24.74	24.55	0.19	1.00			mouse
  E1	ILWE_AA_680	33.55	32.55	0.88	1.00			eimeria
  E2	ILWE_AA_680	32.20	32.55	0.88	1.00			eimeria
  E3	ILWE_AA_680	31.90	32.55	0.88	1.00			eimeria
  E4	ILWE_AA_680	23.10	22.84	0.24	1.00			mouse
  E5	ILWE_AA_680	22.64	22.84	0.24	1.00			mouse
  E6	ILWE_AA_680	22.79	22.84	0.24	1.00			mouse
  E7	ILWE_AA_554	32.19	31.61	0.53	1.00			eimeria
  E8	ILWE_AA_554	31.15	31.61	0.53	1.00			eimeria
  E9	ILWE_AA_554	31.50	31.61	0.53	1.00			eimeria
  E10	ILWE_AA_554	24.49	24.39	0.18	1.00			mouse
  E11	ILWE_AA_554	24.18	24.39	0.18	1.00			mouse
  E12	ILWE_AA_554	24.49	24.39	0.18	1.00			mouse
  F1	ILWE_AA_641	36.79	34.97	1.65	1.00			eimeria
  F2	ILWE_AA_641	33.57	34.97	1.65	1.00			eimeria
  F3	ILWE_AA_641	34.55	34.97	1.65	1.00			eimeria
  F4	ILWE_AA_641	22.84	23.09	1.69	1.00			mouse
  F5	ILWE_AA_641	21.53	23.09	1.69	1.00			mouse
  F6	ILWE_AA_641	24.90	23.09	1.69	1.00			mouse
  F7	ILWE_AA_669	33.30	33.34	0.27	1.00			eimeria
  F8	ILWE_AA_669	33.09	33.34	0.27	1.00			eimeria
  F9	ILWE_AA_669	33.63	33.34	0.27	1.00			eimeria
  F10	ILWE_AA_669	24.70	24.61	0.15	1.00			mouse
  F11	ILWE_AA_669	24.44	24.61	0.15	1.00			mouse
  F12	ILWE_AA_669	24.69	24.61	0.15	1.00			mouse
  G1	ILWE_AA_650	33.60	33.60	0.07	1.00			eimeria
  G2	ILWE_AA_650	33.53	33.60	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_650	33.67	33.60	0.07	1.00			eimeria
 G4	ILWE_AA_650	24.43	24.35	0.22	1.00			mouse
 G5	ILWE_AA_650	24.10	24.35	0.22	1.00			mouse
 G6	ILWE_AA_650	24.51	24.35	0.22	1.00			mouse
 G7	ILWE_AA_559	32.03	31.41	0.69	1.00			eimeria
 G8	ILWE_AA_559	30.67	31.41	0.69	1.00			eimeria
 G9	ILWE_AA_559	31.53	31.41	0.69	1.00			eimeria
 G10	ILWE_AA_559	23.70	23.68	0.16	1.00			mouse
 G11	ILWE_AA_559	23.51	23.68	0.16	1.00			mouse
 G12	ILWE_AA_559	23.82	23.68	0.16	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	-	R <sup>2</sup>	-
Y-Intercept	-	Efficiency	-



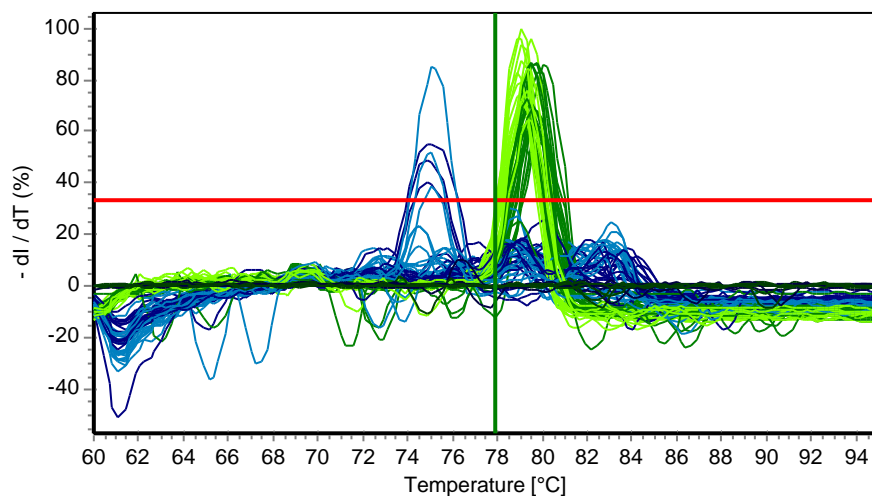
## Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 A1	ILWE_AA_677	0				
 A2	ILWE_AA_677	0				
 A3	ILWE_AA_677	0				
 A4	ILWE_AA_677	1	80.0			
 A5	ILWE_AA_677	1	80.1			
 A6	ILWE_AA_677	1	80.1			
 A7	ILWE_AA_556	0				
 A8	ILWE_AA_556	0				
 A9	ILWE_AA_556	0				
 A10	ILWE_AA_556	1	79.3			
 A11	ILWE_AA_556	1	79.5			
 A12	ILWE_AA_556	1	79.6			
 B1	ILWE_AA_528	0				
 B2	ILWE_AA_528	0				
 B3	ILWE_AA_528	0				
 B4	ILWE_AA_528	1	79.8			
 B5	ILWE_AA_528	1	79.9			
 B6	ILWE_AA_528	1	79.9			
 B7	ILWE_AA_663	0				
 B8	ILWE_AA_663	0				
 B9	ILWE_AA_663	0				
 B10	ILWE_AA_663	1	79.1			
 B11	ILWE_AA_663	1	79.2			
 B12	ILWE_AA_663	1	79.4			
 C1	ILWE_AA_661	1	74.9			
 C2	ILWE_AA_661	1	75.0			
 C3	ILWE_AA_661	1	74.9			
 C4	ILWE_AA_661	1	79.6			
 C5	ILWE_AA_661	1	79.7			
 C6	ILWE_AA_661	1	79.8			
 C7	ILWE_AA_578	0				
 C8	ILWE_AA_578	0				
 C9	ILWE_AA_578	0				
 C10	ILWE_AA_578	1	79.1			
 C11	ILWE_AA_578	1	79.1			
 C12	ILWE_AA_578	1	79.2			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 D1	ILWE_AA_567	0				
 D2	ILWE_AA_567	0				
 D3	ILWE_AA_567	0				
 D4	ILWE_AA_567	1	79.6			
 D5	ILWE_AA_567	1	79.7			
 D6	ILWE_AA_567	1	79.6			
 D7	ILWE_AA_660	0				
 D8	ILWE_AA_660	0				
 D9	ILWE_AA_660	0				
 D10	ILWE_AA_660	1	79.0			
 D11	ILWE_AA_660	1	79.1			
 D12	ILWE_AA_660	1	79.2			
 E1	ILWE_AA_680	0				
 E2	ILWE_AA_680	0				
 E3	ILWE_AA_680	0				
 E4	ILWE_AA_680	1	79.1			
 E5	ILWE_AA_680	1	79.5			
 E6	ILWE_AA_680	1	79.5			
 E7	ILWE_AA_554	0				
 E8	ILWE_AA_554	0				
 E9	ILWE_AA_554	0				
 E10	ILWE_AA_554	1	79.0			
 E11	ILWE_AA_554	1	79.1			
 E12	ILWE_AA_554	1	79.2			
 F1	ILWE_AA_641	0				
 F2	ILWE_AA_641	0				
 F3	ILWE_AA_641	0				
 F4	ILWE_AA_641	1	79.2			
 F5	ILWE_AA_641	1	79.2			
 F6	ILWE_AA_641	0				
 F7	ILWE_AA_669	0				
 F8	ILWE_AA_669	0				
 F9	ILWE_AA_669	0				
 F10	ILWE_AA_669	1	78.8			
 F11	ILWE_AA_669	1	78.9			
 F12	ILWE_AA_669	1	79.1			
 G1	ILWE_AA_650	0				
 G2	ILWE_AA_650	0				
 G3	ILWE_AA_650	0				
 G4	ILWE_AA_650	1	79.3			

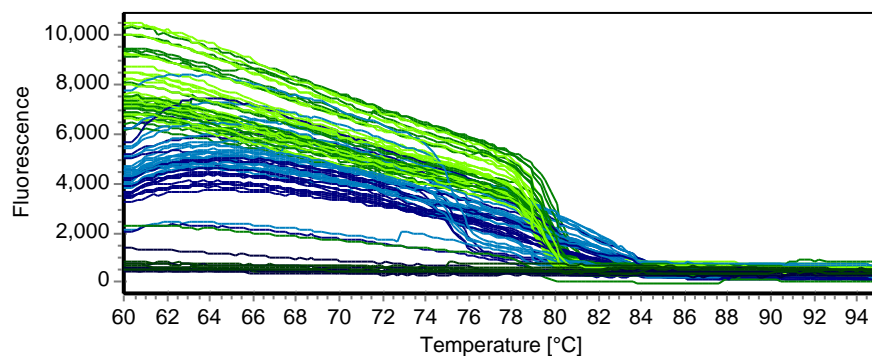
Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 G5	ILWE_AA_650	1	79.5			
 G6	ILWE_AA_650	1	79.5			
 G7	ILWE_AA_559	1	75.1			
 G8	ILWE_AA_559	1	75.1			
 G9	ILWE_AA_559	1	75.0			
 G10	ILWE_AA_559	1	79.3			
 G11	ILWE_AA_559	1	79.4			
 G12	ILWE_AA_559	1	79.4			
 H1	NTC	0				
 H2	NTC	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\_677 - 520 [nm]
- A2 - ILWE\_AA\_677 - 520 [nm]
- A3 - ILWE\_AA\_677 - 520 [nm]
- A4 - ILWE\_AA\_677 - 520 [nm]
- A5 - ILWE\_AA\_677 - 520 [nm]
- A6 - ILWE\_AA\_677 - 520 [nm]
- A7 - ILWE\_AA\_556 - 520 [nm]
- A8 - ILWE\_AA\_556 - 520 [nm]
- A9 - ILWE\_AA\_556 - 520 [nm]
- A10 - ILWE\_AA\_556 - 520 [nm]
- A11 - ILWE\_AA\_556 - 520 [nm]
- A12 - ILWE\_AA\_556 - 520 [nm]
- B1 - ILWE\_AA\_528 - 520 [nm]
- B2 - ILWE\_AA\_528 - 520 [nm]
- B3 - ILWE\_AA\_528 - 520 [nm]
- B4 - ILWE\_AA\_528 - 520 [nm]





















Threshold 33%



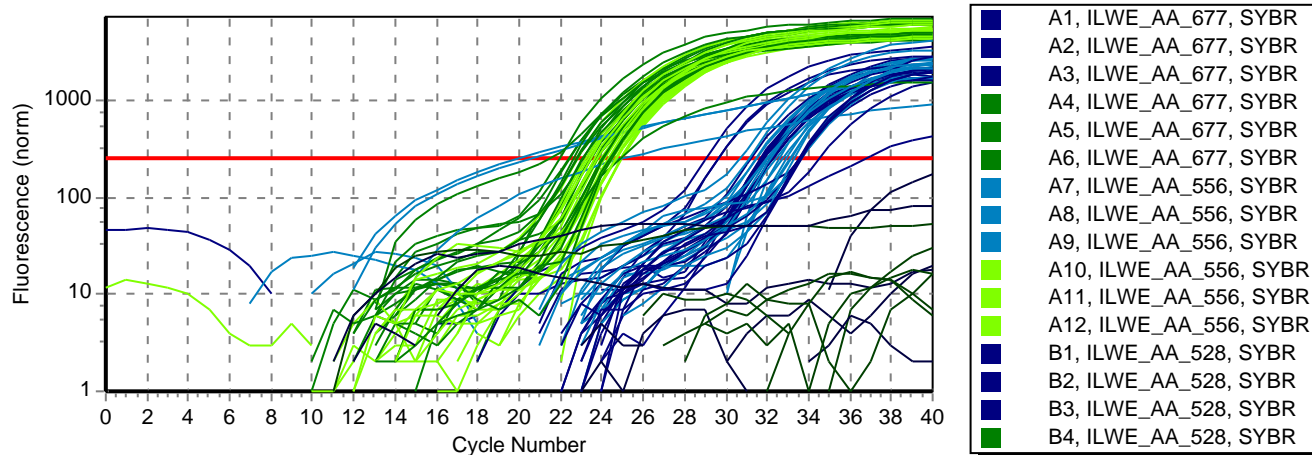
## +/- Assay SYBR

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
 A1	ILWE_AA_677	Positive	31.79	31.58	0.29
 A2	ILWE_AA_677	Positive	31.25	31.58	0.29
 A3	ILWE_AA_677	Positive	31.71	31.58	0.29
 A4	ILWE_AA_677	Positive	22.42	22.26	0.27
 A5	ILWE_AA_677	Positive	21.94	22.26	0.27
 A6	ILWE_AA_677	Positive	22.41	22.26	0.27
 A7	ILWE_AA_556	Positive	33.53	33.19	0.32
 A8	ILWE_AA_556	Positive	33.15	33.19	0.32
 A9	ILWE_AA_556	Positive	32.89	33.19	0.32
 A10	ILWE_AA_556	Positive	24.46	24.10	0.32
 A11	ILWE_AA_556	Positive	23.85	24.10	0.32
 A12	ILWE_AA_556	Positive	23.99	24.10	0.32
 B1	ILWE_AA_528	Positive	31.84	31.78	0.05
 B2	ILWE_AA_528	Positive	31.78	31.78	0.05
 B3	ILWE_AA_528	Positive	31.73	31.78	0.05
 B4	ILWE_AA_528	Positive	23.46	23.38	0.22
 B5	ILWE_AA_528	Positive	23.14	23.38	0.22
 B6	ILWE_AA_528	Positive	23.55	23.38	0.22
 B7	ILWE_AA_663	Positive	32.58	32.27	0.28
 B8	ILWE_AA_663	Positive	32.18	32.27	0.28
 B9	ILWE_AA_663	Positive	32.05	32.27	0.28
 B10	ILWE_AA_663	Positive	24.91	24.93	0.03
 B11	ILWE_AA_663	Positive	24.90	24.93	0.03
 B12	ILWE_AA_663	Positive	24.96	24.93	0.03
 C1	ILWE_AA_661	Positive	29.64	29.44	0.34
 C2	ILWE_AA_661	Positive	29.05	29.44	0.34
 C3	ILWE_AA_661	Positive	29.63	29.44	0.34
 C4	ILWE_AA_661	Positive	23.86	23.61	0.33
 C5	ILWE_AA_661	Positive	23.24	23.61	0.33
 C6	ILWE_AA_661	Positive	23.73	23.61	0.33
 C7	ILWE_AA_578	Positive	32.72	32.41	0.35
 C8	ILWE_AA_578	Positive	32.03	32.41	0.35
 C9	ILWE_AA_578	Positive	32.47	32.41	0.35
 C10	ILWE_AA_578	Positive	23.26	23.16	0.28
 C11	ILWE_AA_578	Positive	22.84	23.16	0.28
 C12	ILWE_AA_578	Positive	23.38	23.16	0.28

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
 D1	ILWE_AA_567	Positive	32.29	32.29	0.02
 D2	ILWE_AA_567	Positive	32.32	32.29	0.02
 D3	ILWE_AA_567	Positive	32.27	32.29	0.02
 D4	ILWE_AA_567	Positive	24.08	23.96	0.19
 D5	ILWE_AA_567	Positive	23.74	23.96	0.19
 D6	ILWE_AA_567	Positive	24.05	23.96	0.19
 D7	ILWE_AA_660	Positive	20.07	21.97	2.79
 D8	ILWE_AA_660	Positive	20.67	21.97	2.79
 D9	ILWE_AA_660	Positive	25.18	21.97	2.79
 D10	ILWE_AA_660	Positive	24.54	24.55	0.19
 D11	ILWE_AA_660	Positive	24.36	24.55	0.19
 D12	ILWE_AA_660	Positive	24.74	24.55	0.19
 E1	ILWE_AA_680	Positive	33.55	32.55	0.88
 E2	ILWE_AA_680	Positive	32.20	32.55	0.88
 E3	ILWE_AA_680	Positive	31.90	32.55	0.88
 E4	ILWE_AA_680	Positive	23.10	22.84	0.24
 E5	ILWE_AA_680	Positive	22.64	22.84	0.24
 E6	ILWE_AA_680	Positive	22.79	22.84	0.24
 E7	ILWE_AA_554	Positive	32.19	31.61	0.53
 E8	ILWE_AA_554	Positive	31.15	31.61	0.53
 E9	ILWE_AA_554	Positive	31.50	31.61	0.53
 E10	ILWE_AA_554	Positive	24.49	24.39	0.18
 E11	ILWE_AA_554	Positive	24.18	24.39	0.18
 E12	ILWE_AA_554	Positive	24.49	24.39	0.18
 F1	ILWE_AA_641	Positive	36.79	34.97	1.65
 F2	ILWE_AA_641	Positive	33.57	34.97	1.65
 F3	ILWE_AA_641	Positive	34.55	34.97	1.65
 F4	ILWE_AA_641	Positive	22.84	23.09	1.69
 F5	ILWE_AA_641	Positive	21.53	23.09	1.69
 F6	ILWE_AA_641	Positive	24.90	23.09	1.69
 F7	ILWE_AA_669	Positive	33.30	33.34	0.27
 F8	ILWE_AA_669	Positive	33.09	33.34	0.27
 F9	ILWE_AA_669	Positive	33.63	33.34	0.27
 F10	ILWE_AA_669	Positive	24.70	24.61	0.15
 F11	ILWE_AA_669	Positive	24.44	24.61	0.15
 F12	ILWE_AA_669	Positive	24.69	24.61	0.15
 G1	ILWE_AA_650	Positive	33.60	33.60	0.07
 G2	ILWE_AA_650	Positive	33.53	33.60	0.07
 G3	ILWE_AA_650	Positive	33.67	33.60	0.07
 G4	ILWE_AA_650	Positive	24.43	24.35	0.22

Pos	Name	+/- Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
 G5	ILWE_AA_650	Positive	24.10	24.35	0.22
 G6	ILWE_AA_650	Positive	24.51	24.35	0.22
 G7	ILWE_AA_559	Positive	32.03	31.41	0.69
 G8	ILWE_AA_559	Positive	30.67	31.41	0.69
 G9	ILWE_AA_559	Positive	31.53	31.41	0.69
 G10	ILWE_AA_559	Positive	23.70	23.68	0.16
 G11	ILWE_AA_559	Positive	23.51	23.68	0.16
 G12	ILWE_AA_559	Positive	23.82	23.68	0.16
 H1	NTC	Negative	-		
 H2	NTC	Negative	-		
 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

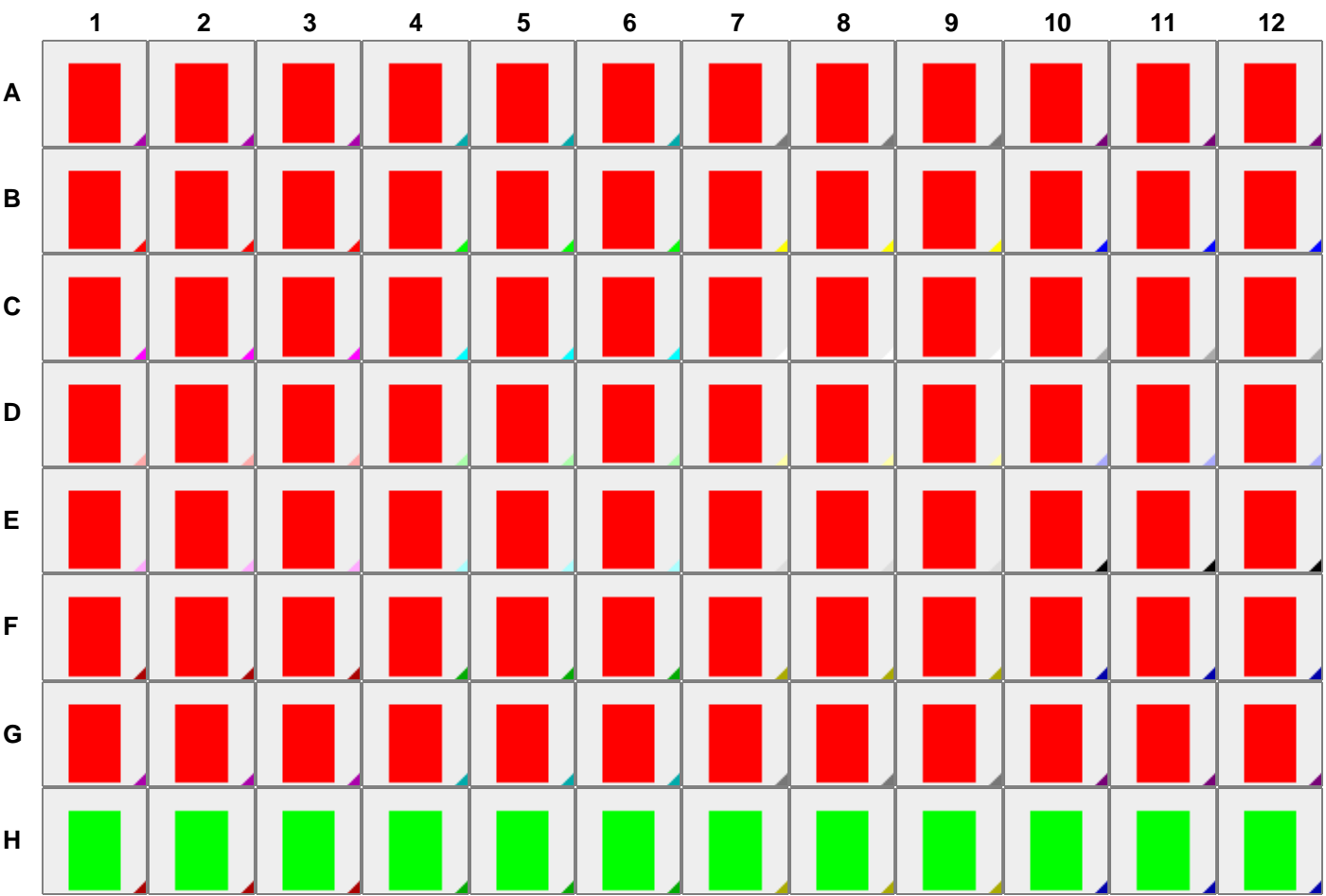


Threshold 256 (Noiseband)

Baseline automatic, Drift correction OFF



Visualization Charts PCR Data











































































+/- result









































Inconclusive





















Positive

Negative

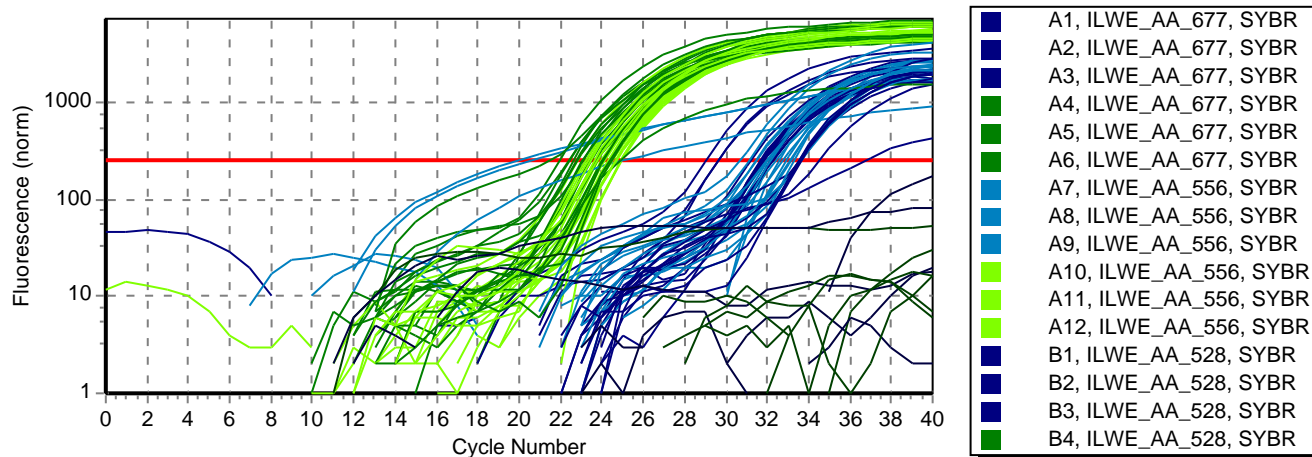
## Gene Identification SYBR

Pos	Name	Gene Ident. Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
  A1	ILWE_AA_677		31.79	31.58	0.29
  A2	ILWE_AA_677		31.25	31.58	0.29
  A3	ILWE_AA_677		31.71	31.58	0.29
  A4	ILWE_AA_677		22.42	22.26	0.27
  A5	ILWE_AA_677		21.94	22.26	0.27
  A6	ILWE_AA_677		22.41	22.26	0.27
  A7	ILWE_AA_556		33.53	33.19	0.32
  A8	ILWE_AA_556		33.15	33.19	0.32
  A9	ILWE_AA_556		32.89	33.19	0.32
  A10	ILWE_AA_556		24.46	24.10	0.32
  A11	ILWE_AA_556		23.85	24.10	0.32
  A12	ILWE_AA_556		23.99	24.10	0.32
  B1	ILWE_AA_528		31.84	31.78	0.05
  B2	ILWE_AA_528		31.78	31.78	0.05
  B3	ILWE_AA_528		31.73	31.78	0.05
  B4	ILWE_AA_528		23.46	23.38	0.22
  B5	ILWE_AA_528		23.14	23.38	0.22
  B6	ILWE_AA_528		23.55	23.38	0.22
  B7	ILWE_AA_663		32.58	32.27	0.28
  B8	ILWE_AA_663		32.18	32.27	0.28
  B9	ILWE_AA_663		32.05	32.27	0.28
  B10	ILWE_AA_663		24.91	24.93	0.03
  B11	ILWE_AA_663		24.90	24.93	0.03
  B12	ILWE_AA_663		24.96	24.93	0.03
  C1	ILWE_AA_661		29.64	29.44	0.34
  C2	ILWE_AA_661		29.05	29.44	0.34
  C3	ILWE_AA_661		29.63	29.44	0.34
  C4	ILWE_AA_661		23.86	23.61	0.33
  C5	ILWE_AA_661		23.24	23.61	0.33
  C6	ILWE_AA_661		23.73	23.61	0.33
  C7	ILWE_AA_578		32.72	32.41	0.35
  C8	ILWE_AA_578		32.03	32.41	0.35
  C9	ILWE_AA_578		32.47	32.41	0.35
  C10	ILWE_AA_578		23.26	23.16	0.28
  C11	ILWE_AA_578		22.84	23.16	0.28
  C12	ILWE_AA_578		23.38	23.16	0.28

Pos	Name	Gene Ident. Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
 D1	ILWE_AA_567		32.29	32.29	0.02
 D2	ILWE_AA_567		32.32	32.29	0.02
 D3	ILWE_AA_567		32.27	32.29	0.02
 D4	ILWE_AA_567		24.08	23.96	0.19
 D5	ILWE_AA_567		23.74	23.96	0.19
 D6	ILWE_AA_567		24.05	23.96	0.19
 D7	ILWE_AA_660		20.07	21.97	2.79
 D8	ILWE_AA_660		20.67	21.97	2.79
 D9	ILWE_AA_660		25.18	21.97	2.79
 D10	ILWE_AA_660		24.54	24.55	0.19
 D11	ILWE_AA_660		24.36	24.55	0.19
 D12	ILWE_AA_660		24.74	24.55	0.19
 E1	ILWE_AA_680		33.55	32.55	0.88
 E2	ILWE_AA_680		32.20	32.55	0.88
 E3	ILWE_AA_680		31.90	32.55	0.88
 E4	ILWE_AA_680		23.10	22.84	0.24
 E5	ILWE_AA_680		22.64	22.84	0.24
 E6	ILWE_AA_680		22.79	22.84	0.24
 E7	ILWE_AA_554		32.19	31.61	0.53
 E8	ILWE_AA_554		31.15	31.61	0.53
 E9	ILWE_AA_554		31.50	31.61	0.53
 E10	ILWE_AA_554		24.49	24.39	0.18
 E11	ILWE_AA_554		24.18	24.39	0.18
 E12	ILWE_AA_554		24.49	24.39	0.18
 F1	ILWE_AA_641		36.79	34.97	1.65
 F2	ILWE_AA_641		33.57	34.97	1.65
 F3	ILWE_AA_641		34.55	34.97	1.65
 F4	ILWE_AA_641		22.84	23.09	1.69
 F5	ILWE_AA_641		21.53	23.09	1.69
 F6	ILWE_AA_641		24.90	23.09	1.69
 F7	ILWE_AA_669		33.30	33.34	0.27
 F8	ILWE_AA_669		33.09	33.34	0.27
 F9	ILWE_AA_669		33.63	33.34	0.27
 F10	ILWE_AA_669		24.70	24.61	0.15
 F11	ILWE_AA_669		24.44	24.61	0.15
 F12	ILWE_AA_669		24.69	24.61	0.15
 G1	ILWE_AA_650		33.60	33.60	0.07
 G2	ILWE_AA_650		33.53	33.60	0.07
 G3	ILWE_AA_650		33.67	33.60	0.07
 G4	ILWE_AA_650		24.43	24.35	0.22

Pos	Name	Gene Ident. Result SYBR	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR
 G5	ILWE_AA_650		24.10	24.35	0.22
 G6	ILWE_AA_650		24.51	24.35	0.22
 G7	ILWE_AA_559		32.03	31.41	0.69
 G8	ILWE_AA_559		30.67	31.41	0.69
 G9	ILWE_AA_559		31.53	31.41	0.69
 G10	ILWE_AA_559		23.70	23.68	0.16
 G11	ILWE_AA_559		23.51	23.68	0.16
 G12	ILWE_AA_559		23.82	23.68	0.16
 H1	NTC		-		
 H2	NTC		-		
 H3	NTC		-		
 H4	NTC		-		
 H5	NTC		-		
 H6	NTC		-		
 H7	water		-		
 H8	water		-		
 H9	water		-		
 H10	water		-		
 H11	water		-		
 H12	water		-		

## Amplification Plot



Threshold 256 (Noiseband)

Baseline automatic, Drift correction OFF

Visualization Charts PCR Data

