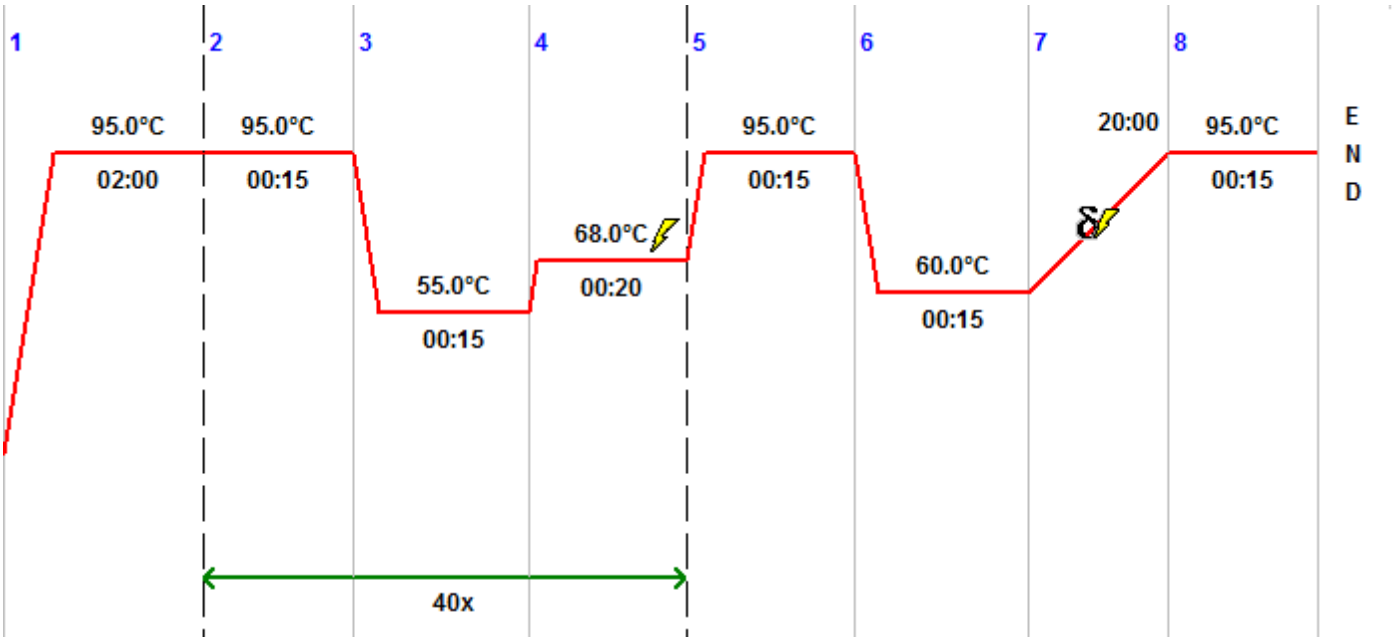
Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\cecum_plate7	
Printed by:	EPPENDORF	
Created:	Jan/30/2019 14:24	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Jan/30/2019 14:28
Acquisition End Time:	EPPENDORF	Jan/30/2019 15:56
Last updated:	EPPENDORF	Dec/18/2018 14:10
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
cecum_plate7	Quantification	Jan/30/2019 16:01
	Melting Curve	Jan/30/2019 16:01
Inverted Data:	OFF	
Comment:		

Plate layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
B	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
C	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
D	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
E	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
F	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
G	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00	CEWE_... 1: 1.00
H	NTC	NTC	NTC	NTC	NTC	NTC	water	water	water	water	water	water

PCR Program

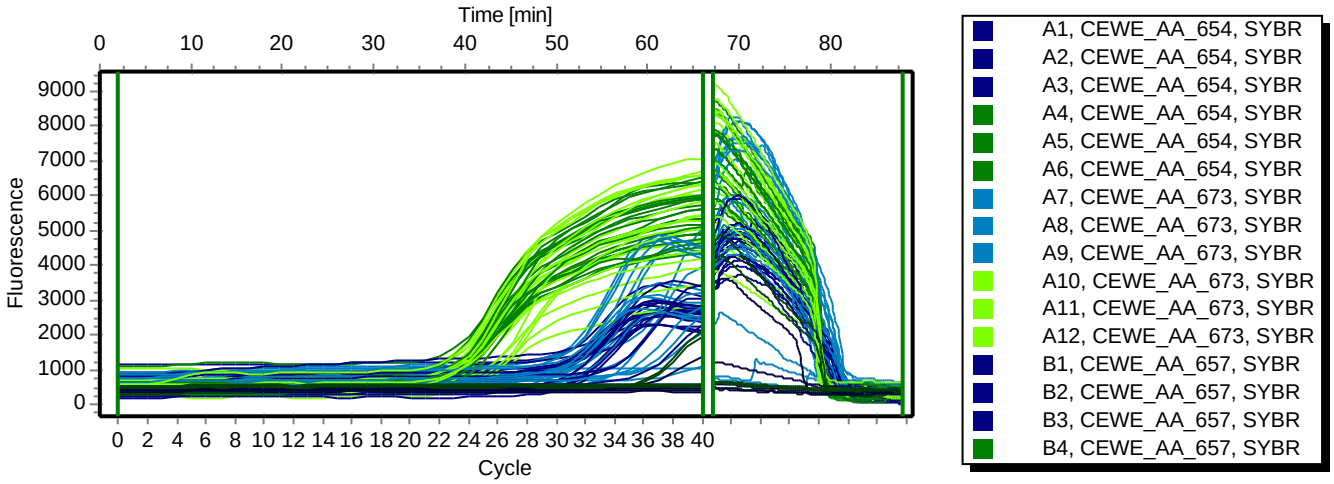


Program Header

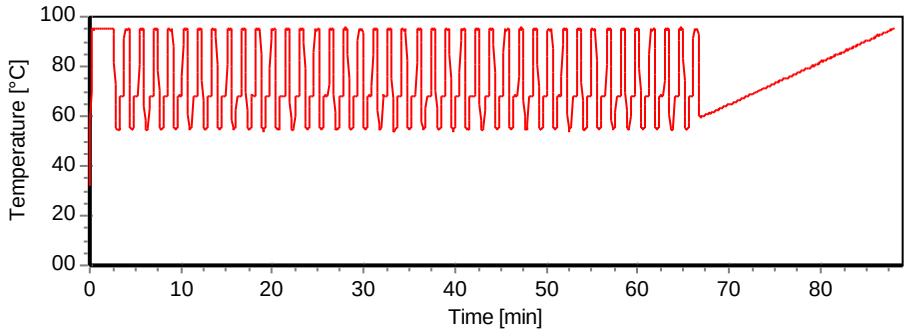
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR

Fluorescence Profile



Temperature Profile



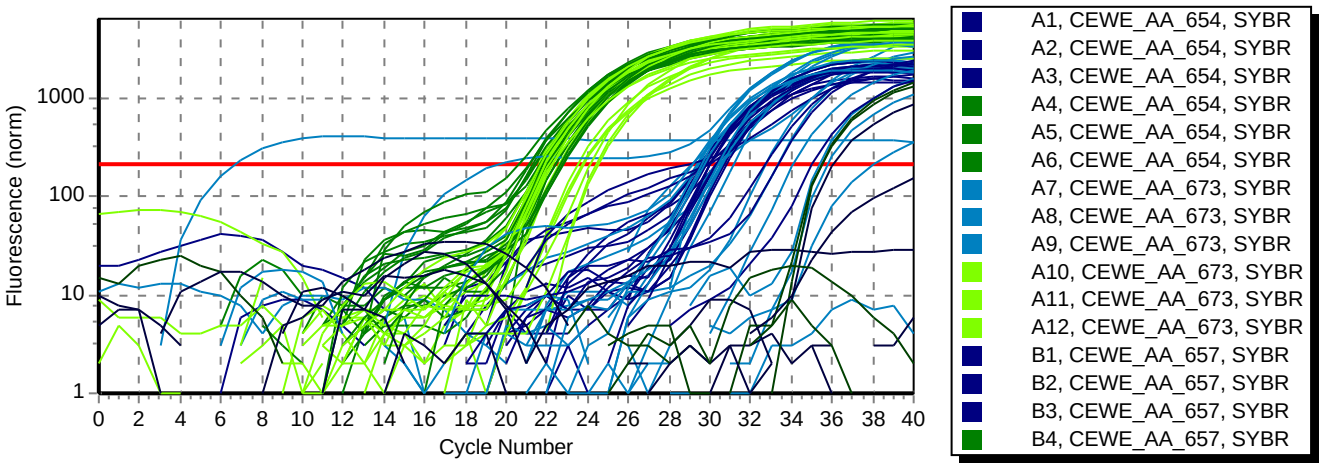
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
A1	CEWE_AA_654	29.49	29.54	0.08	1.00			eimeria
A2	CEWE_AA_654	29.50	29.54	0.08	1.00			eimeria
A3	CEWE_AA_654	29.64	29.54	0.08	1.00			eimeria
A4	CEWE_AA_654	21.78	21.72	0.21	1.00			mouse
A5	CEWE_AA_654	21.49	21.72	0.21	1.00			mouse
A6	CEWE_AA_654	21.90	21.72	0.21	1.00			mouse
A7	CEWE_AA_673	37.96	32.52	4.77	1.00			eimeria
A8	CEWE_AA_673	30.53	32.52	4.77	1.00			eimeria
A9	CEWE_AA_673	29.07	32.52	4.77	1.00			eimeria
A10	CEWE_AA_673	21.89	21.78	0.12	1.00			mouse
A11	CEWE_AA_673	21.66	21.78	0.12	1.00			mouse
A12	CEWE_AA_673	21.80	21.78	0.12	1.00			mouse
B1	CEWE_AA_657	30.29	30.15	0.34	1.00			eimeria
B2	CEWE_AA_657	29.76	30.15	0.34	1.00			eimeria
B3	CEWE_AA_657	30.39	30.15	0.34	1.00			eimeria
B4	CEWE_AA_657	21.92	21.55	0.32	1.00			mouse
B5	CEWE_AA_657	21.31	21.55	0.32	1.00			mouse
B6	CEWE_AA_657	21.43	21.55	0.32	1.00			mouse
B7	CEWE_AA_675	6.69	22.15	13.40	1.00			eimeria
B8	CEWE_AA_675	29.34	22.15	13.40	1.00			eimeria
B9	CEWE_AA_675	30.41	22.15	13.40	1.00			eimeria
B10	CEWE_AA_675	21.99	21.97	0.08	1.00			mouse
B11	CEWE_AA_675	22.04	21.97	0.08	1.00			mouse
B12	CEWE_AA_675	21.88	21.97	0.08	1.00			mouse
C1	CEWE_AA_663	30.70	30.69	0.02	1.00			eimeria
C2	CEWE_AA_663	30.70	30.69	0.02	1.00			eimeria
C3	CEWE_AA_663	30.66	30.69	0.02	1.00			eimeria
C4	CEWE_AA_663	22.06	22.02	0.18	1.00			mouse
C5	CEWE_AA_663	21.83	22.02	0.18	1.00			mouse
C6	CEWE_AA_663	22.17	22.02	0.18	1.00			mouse
C7	CEWE_AA_680		31.86	2.04	1.00			eimeria
C8	CEWE_AA_680	30.42	31.86	2.04	1.00			eimeria
C9	CEWE_AA_680	33.30	31.86	2.04	1.00			eimeria
C10	CEWE_AA_680	23.73	23.66	0.16	1.00			mouse
C11	CEWE_AA_680	23.48	23.66	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	CEWE_AA_680	23.79	23.66	0.16	1.00			mouse
D1	CEWE_AA_665	30.83	30.26	0.49	1.00			eimeria
D2	CEWE_AA_665	29.99	30.26	0.49	1.00			eimeria
D3	CEWE_AA_665	29.97	30.26	0.49	1.00			eimeria
D4	CEWE_AA_665	22.42	22.29	0.22	1.00			mouse
D5	CEWE_AA_665	22.03	22.29	0.22	1.00			mouse
D6	CEWE_AA_665	22.42	22.29	0.22	1.00			mouse
D7	CEWE_AA_549	35.81	28.26	8.20	1.00			eimeria
D8	CEWE_AA_549	19.54	28.26	8.20	1.00			eimeria
D9	CEWE_AA_549	29.44	28.26	8.20	1.00			eimeria
D10	CEWE_AA_549	21.93	21.90	0.21	1.00			mouse
D11	CEWE_AA_549	21.67	21.90	0.21	1.00			mouse
D12	CEWE_AA_549	22.09	21.90	0.21	1.00			mouse
E1	CEWE_AA_668	28.69	29.51	0.71	1.00			eimeria
E2	CEWE_AA_668	29.97	29.51	0.71	1.00			eimeria
E3	CEWE_AA_668	29.88	29.51	0.71	1.00			eimeria
E4	CEWE_AA_668	21.13	20.98	0.30	1.00			mouse
E5	CEWE_AA_668	20.64	20.98	0.30	1.00			mouse
E6	CEWE_AA_668	21.17	20.98	0.30	1.00			mouse
E7	CEWE_AA_562	32.71	31.51	1.08	1.00			eimeria
E8	CEWE_AA_562	31.19	31.51	1.08	1.00			eimeria
E9	CEWE_AA_562	30.63	31.51	1.08	1.00			eimeria
E10	CEWE_AA_562	24.52	24.35	0.21	1.00			mouse
E11	CEWE_AA_562	24.12	24.35	0.21	1.00			mouse
E12	CEWE_AA_562	24.40	24.35	0.21	1.00			mouse
F1	CEWE_AA_671	30.28	30.04	0.23	1.00			eimeria
F2	CEWE_AA_671	29.83	30.04	0.23	1.00			eimeria
F3	CEWE_AA_671	30.01	30.04	0.23	1.00			eimeria
F4	CEWE_AA_671	21.97	21.79	0.16	1.00			mouse
F5	CEWE_AA_671	21.71	21.79	0.16	1.00			mouse
F6	CEWE_AA_671	21.68	21.79	0.16	1.00			mouse
F7	CEWE_AA_605	35.38	31.83	3.09	1.00			eimeria
F8	CEWE_AA_605	30.39	31.83	3.09	1.00			eimeria
F9	CEWE_AA_605	29.71	31.83	3.09	1.00			eimeria
F10	CEWE_AA_605	22.57	22.49	0.19	1.00			mouse
F11	CEWE_AA_605	22.27	22.49	0.19	1.00			mouse
F12	CEWE_AA_605	22.63	22.49	0.19	1.00			mouse
G1	CEWE_AA_672	35.00	33.68	1.18	1.00			eimeria
G2	CEWE_AA_672	33.34	33.68	1.18	1.00			eimeria

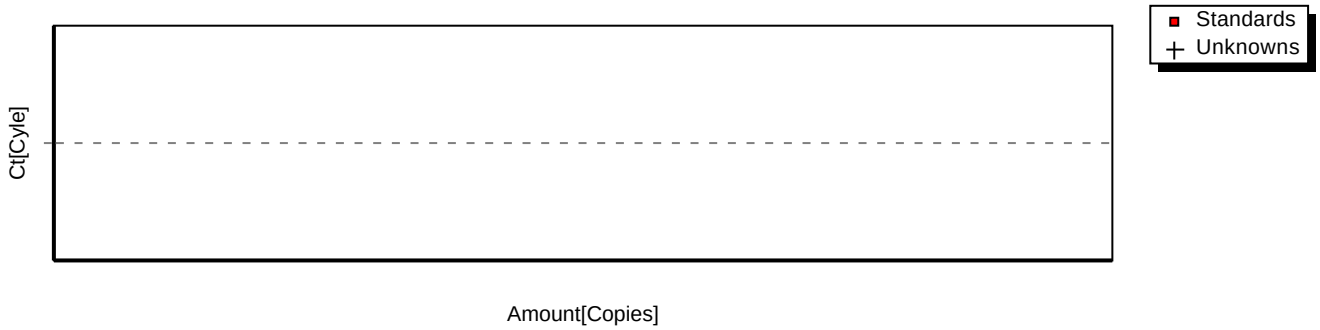
Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
G3	CEWE_AA_672	32.71	33.68	1.18	1.00			eimeria
G4	CEWE_AA_672	22.74	22.72	0.07	1.00			mouse
G5	CEWE_AA_672	22.64	22.72	0.07	1.00			mouse
G6	CEWE_AA_672	22.77	22.72	0.07	1.00			mouse
G7	CEWE_AA_602	34.05	30.92	2.72	1.00			eimeria
G8	CEWE_AA_602	29.58	30.92	2.72	1.00			eimeria
G9	CEWE_AA_602	29.12	30.92	2.72	1.00			eimeria
G10	CEWE_AA_602	22.24	21.96	0.27	1.00			mouse
G11	CEWE_AA_602	21.71	21.96	0.27	1.00			mouse
G12	CEWE_AA_602	21.93	21.96	0.27	1.00			mouse
H1	NTC	-			-			eimeria
H2	NTC	-			-			eimeria
H3	NTC	-			-			eimeria
H4	NTC	35.51	35.51	0.01	-			mouse
H5	NTC	35.50	35.51	0.01	-			mouse
H6	NTC	-	35.51	0.01	-			mouse
H7	water	-			-			eimeria
H8	water	36.05			-			eimeria
H9	water	-			-			eimeria
H10	water	-			-			mouse
H11	water	-			-			mouse
H12	water	-			-			mouse

Amplification Plot



Threshold	214 (Noiseband)
Baseline	automatic, Drift correction OFF

Standard curve



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

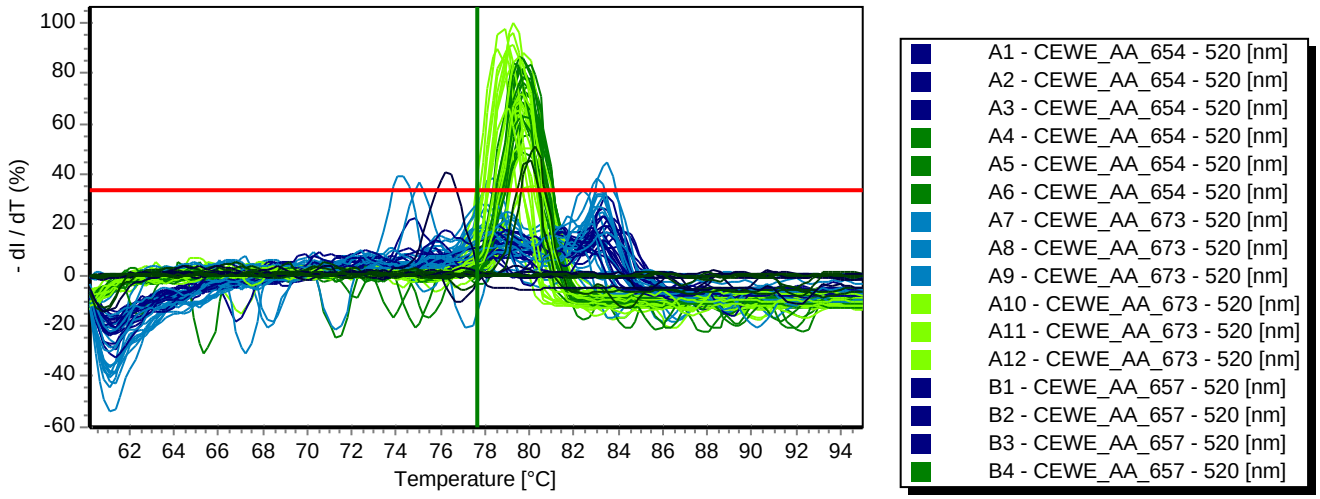
Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
A1	CEWE_AA_654	0				
A2	CEWE_AA_654	0				
A3	CEWE_AA_654	0				
A4	CEWE_AA_654	1	79.8			
A5	CEWE_AA_654	1	80.0			
A6	CEWE_AA_654	1	80.0			
A7	CEWE_AA_673	0				
A8	CEWE_AA_673	1	83.2			
A9	CEWE_AA_673	0				
A10	CEWE_AA_673	1	79.1			
A11	CEWE_AA_673	1	79.8			
A12	CEWE_AA_673	1	80.0			
B1	CEWE_AA_657	0				
B2	CEWE_AA_657	0				
B3	CEWE_AA_657	0				
B4	CEWE_AA_657	1	79.8			
B5	CEWE_AA_657	1	79.9			
B6	CEWE_AA_657	1	80.0			
B7	CEWE_AA_675	0				
B8	CEWE_AA_675	0				
B9	CEWE_AA_675	0				
B10	CEWE_AA_675	1	78.6			
B11	CEWE_AA_675	1	79.4			
B12	CEWE_AA_675	1	79.8			
C1	CEWE_AA_663	0				
C2	CEWE_AA_663	0				
C3	CEWE_AA_663	0				
C4	CEWE_AA_663	1	79.8			
C5	CEWE_AA_663	1	79.9			
C6	CEWE_AA_663	1	79.9			
C7	CEWE_AA_680	0				
C8	CEWE_AA_680	2	75.0	78.3		
C9	CEWE_AA_680	0				
C10	CEWE_AA_680	1	79.5			
C11	CEWE_AA_680	1	79.9			
C12	CEWE_AA_680	1	80.1			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	CEWE_AA_665	0				
D2	CEWE_AA_665	0				
D3	CEWE_AA_665	0				
D4	CEWE_AA_665	1	79.6			
D5	CEWE_AA_665	1	79.8			
D6	CEWE_AA_665	1	79.8			
D7	CEWE_AA_549	1	78.1			
D8	CEWE_AA_549	1	83.1			
D9	CEWE_AA_549	0				
D10	CEWE_AA_549	1	78.8			
D11	CEWE_AA_549	1	79.2			
D12	CEWE_AA_549	1	79.5			
E1	CEWE_AA_668	0				
E2	CEWE_AA_668	0				
E3	CEWE_AA_668	0				
E4	CEWE_AA_668	1	79.5			
E5	CEWE_AA_668	1	79.6			
E6	CEWE_AA_668	1	79.7			
E7	CEWE_AA_562	1	74.2			
E8	CEWE_AA_562	0				
E9	CEWE_AA_562	0				
E10	CEWE_AA_562	1	78.8			
E11	CEWE_AA_562	1	79.2			
E12	CEWE_AA_562	1	79.5			
F1	CEWE_AA_671	0				
F2	CEWE_AA_671	0				
F3	CEWE_AA_671	0				
F4	CEWE_AA_671	1	79.6			
F5	CEWE_AA_671	1	79.8			
F6	CEWE_AA_671	1	79.9			
F7	CEWE_AA_605	1	82.4			
F8	CEWE_AA_605	1	83.5			
F9	CEWE_AA_605	0				
F10	CEWE_AA_605	1	79.1			
F11	CEWE_AA_605	1	79.3			
F12	CEWE_AA_605	1	79.4			
G1	CEWE_AA_672	0				
G2	CEWE_AA_672	0				
G3	CEWE_AA_672	0				
G4	CEWE_AA_672	1	79.4			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	CEWE_AA_672	1	79.6			
G6	CEWE_AA_672	1	79.8			
G7	CEWE_AA_602	0				
G8	CEWE_AA_602	1	83.6			
G9	CEWE_AA_602	0				
G10	CEWE_AA_602	1	79.0			
G11	CEWE_AA_602	1	79.5			
G12	CEWE_AA_602	1	79.7			
H1	NTC	0				
H2	NTC	0				
H3	NTC	0				
H4	NTC	1	79.9		80.1	0.2
H5	NTC	1	80.2		80.1	0.2
H6	NTC	0			80.1	
H7	water	0			76.3	
H8	water	1	76.3		76.3	0.0
H9	water	0			76.3	
H10	water	0				
H11	water	0				
H12	water	0				

Melting curve



Threshold 33%