Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Yasmin_Crypto_Projec	
Printed by:	EPPENDORF	
Created:	Sep/06/2018 17:46	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Sep/06/2018 17:50
Acquisition End Time:	EPPENDORF	Sep/06/2018 19:17
Last updated:	EPPENDORF	Sep/05/2018 13:43
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
2983_2996	Quantification	Sep/06/2018 19:24
	Melting Curve	Sep/06/2018 19:24
Inverted Data:	OFF	

Comment:

eppendorf

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
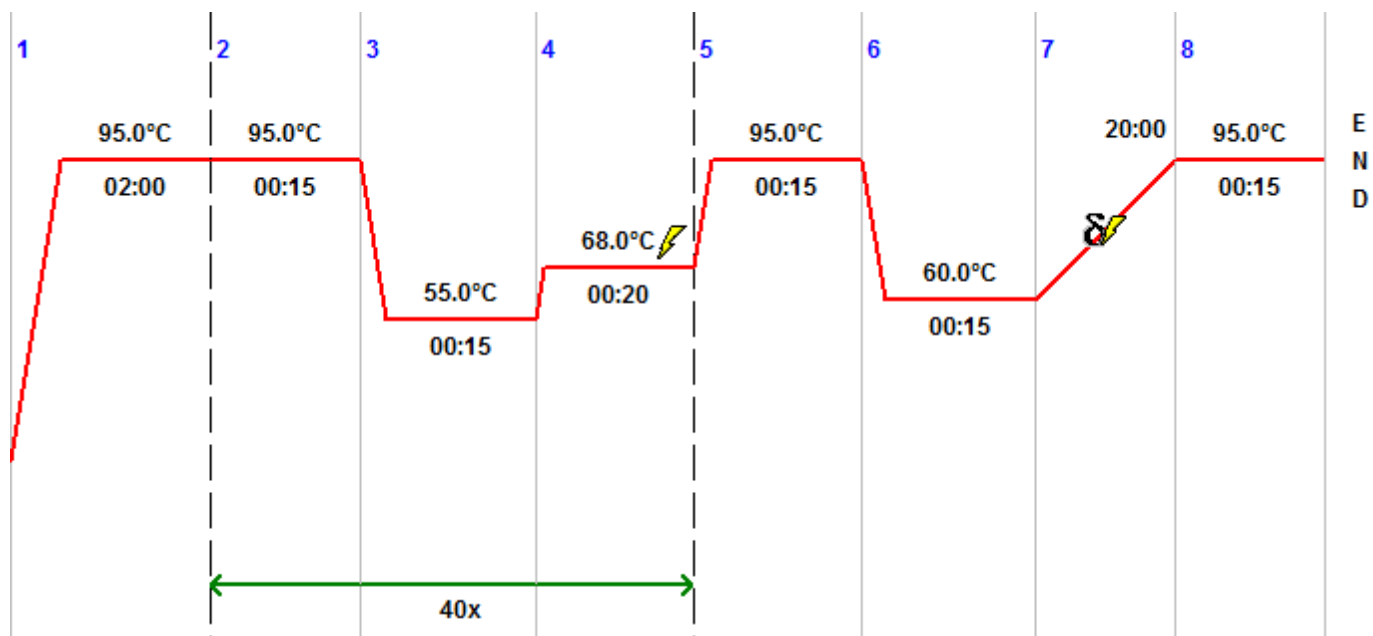
Program Header

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

■	A1, CEWE_SK_2983, SYBR
■	A2, CEWE_SK_2983, SYBR
■	A3, CEWE_SK_2983, SYBR
■	A4, CEWE_SK_2983, SYBR
■	A5, CEWE_SK_2983, SYBR
■	A6, CEWE_SK_2983, SYBR
■	A7, CEWE_SK_2984, SYBR
■	A8, CEWE_SK_2984, SYBR
■	A9, CEWE_SK_2984, SYBR
■	A10, CEWE_SK_2984, SYBR
■	A11, CEWE_SK_2984, SYBR
■	A12, CEWE_SK_2984, SYBR
■	B1, CEWE_SK_2985, SYBR
■	B2, CEWE_SK_2985, SYBR
■	B3, CEWE_SK_2985, SYBR
■	B4, CEWE_SK_2985, SYBR
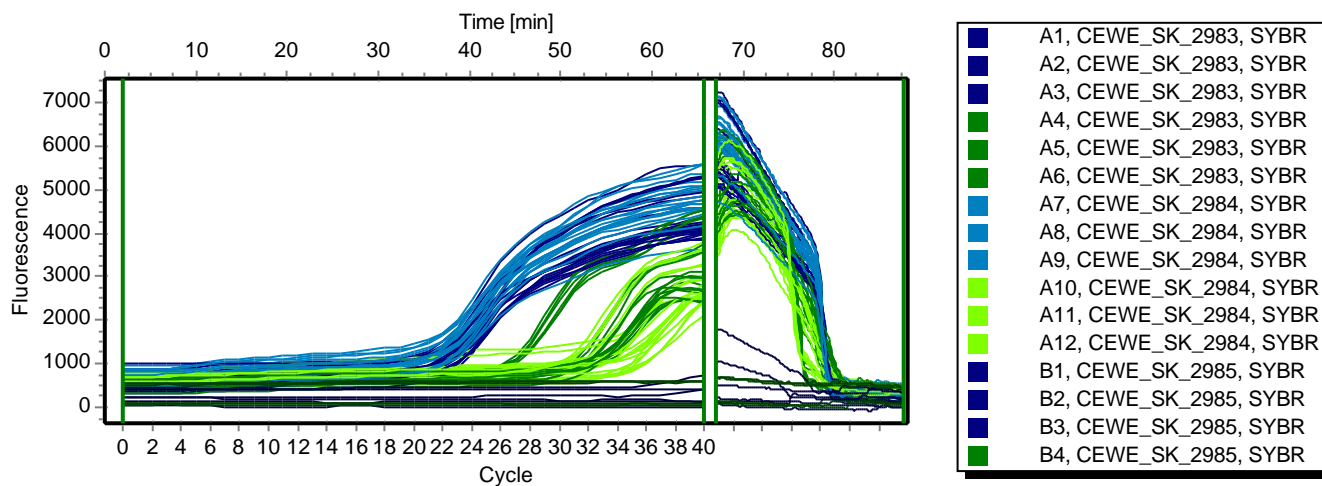
Temperature Profile
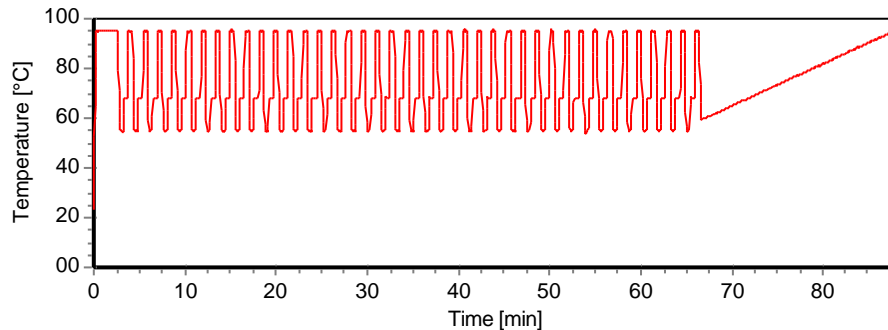
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
A1	CEWE_SK_2983	21.41	21.23	0.15	1.00			mouse
A2	CEWE_SK_2983	21.18	21.23	0.15	1.00			mouse
A3	CEWE_SK_2983	21.11	21.23	0.15	1.00			mouse
A4	CEWE_SK_2983	26.84	26.74	0.26	1.00			eimeria
A5	CEWE_SK_2983	26.93	26.74	0.26	1.00			eimeria
A6	CEWE_SK_2983	26.44	26.74	0.26	1.00			eimeria
A7	CEWE_SK_2984	21.31	21.42	0.12	1.00			mouse
A8	CEWE_SK_2984	21.41	21.42	0.12	1.00			mouse
A9	CEWE_SK_2984	21.55	21.42	0.12	1.00			mouse
A10	CEWE_SK_2984	34.74	35.32	0.51	1.00			eimeria
A11	CEWE_SK_2984	35.66	35.32	0.51	1.00			eimeria
A12	CEWE_SK_2984	35.57	35.32	0.51	1.00			eimeria
B1	CEWE_SK_2985	21.57	21.69	0.22	1.00			mouse
B2	CEWE_SK_2985	21.56	21.69	0.22	1.00			mouse
B3	CEWE_SK_2985	21.94	21.69	0.22	1.00			mouse
B4	CEWE_SK_2985	32.81	32.98	0.18	1.00			eimeria
B5	CEWE_SK_2985	32.96	32.98	0.18	1.00			eimeria
B6	CEWE_SK_2985	33.16	32.98	0.18	1.00			eimeria
B7	CEWE_SK_2986	22.00	22.01	0.07	1.00			mouse
B8	CEWE_SK_2986	22.08	22.01	0.07	1.00			mouse
B9	CEWE_SK_2986	21.94	22.01	0.07	1.00			mouse
B10	CEWE_SK_2986	33.42	34.01	0.60	1.00			eimeria
B11	CEWE_SK_2986	34.61	34.01	0.60	1.00			eimeria
B12	CEWE_SK_2986	34.00	34.01	0.60	1.00			eimeria
C1	CEWE_SK_2987	21.99	22.02	0.06	1.00			mouse
C2	CEWE_SK_2987	22.08	22.02	0.06	1.00			mouse
C3	CEWE_SK_2987	21.98	22.02	0.06	1.00			mouse
C4	CEWE_SK_2987	30.95	30.69	0.23	1.00			eimeria
C5	CEWE_SK_2987	30.50	30.69	0.23	1.00			eimeria
C6	CEWE_SK_2987	30.63	30.69	0.23	1.00			eimeria
C7	CEWE_SK_2988	20.99	21.00	0.04	1.00			mouse
C8	CEWE_SK_2988	21.04	21.00	0.04	1.00			mouse
C9	CEWE_SK_2988	20.96	21.00	0.04	1.00			mouse
C10	CEWE_SK_2988	31.30	31.67	0.33	1.00			eimeria
C11	CEWE_SK_2988	31.75	31.67	0.33	1.00			eimeria

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
C12	CEWE_SK_2988	31.95	31.67	0.33	1.00			eimeria
D1	CEWE_SK_2989	22.02	22.02	0.07	1.00			mouse
D2	CEWE_SK_2989	21.96	22.02	0.07	1.00			mouse
D3	CEWE_SK_2989	22.09	22.02	0.07	1.00			mouse
D4	CEWE_SK_2989	26.46	26.26	0.19	1.00			eimeria
D5	CEWE_SK_2989	26.27	26.26	0.19	1.00			eimeria
D6	CEWE_SK_2989	26.07	26.26	0.19	1.00			eimeria
D7	CEWE_SK_2990	20.94	21.07	0.18	1.00			mouse
D8	CEWE_SK_2990	20.98	21.07	0.18	1.00			mouse
D9	CEWE_SK_2990	21.28	21.07	0.18	1.00			mouse
D10	CEWE_SK_2990	29.28	32.42	2.75	1.00			eimeria
D11	CEWE_SK_2990	33.63	32.42	2.75	1.00			eimeria
D12	CEWE_SK_2990	34.36	32.42	2.75	1.00			eimeria
E1	CEWE_SK_2991	21.33	21.62	0.33	1.00			mouse
E2	CEWE_SK_2991	21.98	21.62	0.33	1.00			mouse
E3	CEWE_SK_2991	21.56	21.62	0.33	1.00			mouse
E4	CEWE_SK_2991	32.22	32.38	0.23	1.00			eimeria
E5	CEWE_SK_2991	32.65	32.38	0.23	1.00			eimeria
E6	CEWE_SK_2991	32.28	32.38	0.23	1.00			eimeria
E7	CEWE_SK_2992	21.11	21.04	0.06	1.00			mouse
E8	CEWE_SK_2992	20.99	21.04	0.06	1.00			mouse
E9	CEWE_SK_2992	21.02	21.04	0.06	1.00			mouse
E10	CEWE_SK_2992	34.92	34.37	0.59	1.00			eimeria
E11	CEWE_SK_2992	33.75	34.37	0.59	1.00			eimeria
E12	CEWE_SK_2992	34.45	34.37	0.59	1.00			eimeria
F1	CEWE_SK_2993	22.10	22.08	0.13	1.00			mouse
F2	CEWE_SK_2993	22.20	22.08	0.13	1.00			mouse
F3	CEWE_SK_2993	21.94	22.08	0.13	1.00			mouse
F4	CEWE_SK_2993	31.19	31.52	0.33	1.00			eimeria
F5	CEWE_SK_2993	31.85	31.52	0.33	1.00			eimeria
F6	CEWE_SK_2993	31.51	31.52	0.33	1.00			eimeria
F7	CEWE_SK_2994	22.23	22.30	0.06	1.00			mouse
F8	CEWE_SK_2994	22.31	22.30	0.06	1.00			mouse
F9	CEWE_SK_2994	22.35	22.30	0.06	1.00			mouse
F10	CEWE_SK_2994	35.25	35.54	0.33	1.00			eimeria
F11	CEWE_SK_2994	35.47	35.54	0.33	1.00			eimeria
F12	CEWE_SK_2994	35.91	35.54	0.33	1.00			eimeria
G1	CEWE_SK_2995	22.43	22.47	0.05	1.00			mouse
G2	CEWE_SK_2995	22.52	22.47	0.05	1.00			mouse

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
G3	CEWE_SK_2995	22.45	22.47	0.05	1.00			mouse
G4	CEWE_SK_2995	32.59	32.48	0.09	1.00			eimeria
G5	CEWE_SK_2995	32.45	32.48	0.09	1.00			eimeria
G6	CEWE_SK_2995	32.41	32.48	0.09	1.00			eimeria
G7	CEWE_SK_2996	21.80	21.88	0.15	1.00			mouse
G8	CEWE_SK_2996	21.79	21.88	0.15	1.00			mouse
G9	CEWE_SK_2996	22.05	21.88	0.15	1.00			mouse
G10	CEWE_SK_2996	30.53	30.54	0.39	1.00			eimeria
G11	CEWE_SK_2996	30.93	30.54	0.39	1.00			eimeria
G12	CEWE_SK_2996	30.15	30.54	0.39	1.00			eimeria
H1	NTC	-			-			mouse
H2	NTC	-			-			mouse
H3	NTC	-			-			mouse
H4	NTC	-			-			eimeria
H5	NTC	-			-			eimeria
H6	NTC	-			-			eimeria
H7	water	-			-			mouse
H8	water	-			-			mouse
H9	water	-			-			mouse
H10	water	-			-			eimeria
H11	water	-			-			eimeria
H12	water	-			-			eimeria

Amplification Plot

Threshold   392 (Noiseband)
Baseline   automatic, Drift correction OFF
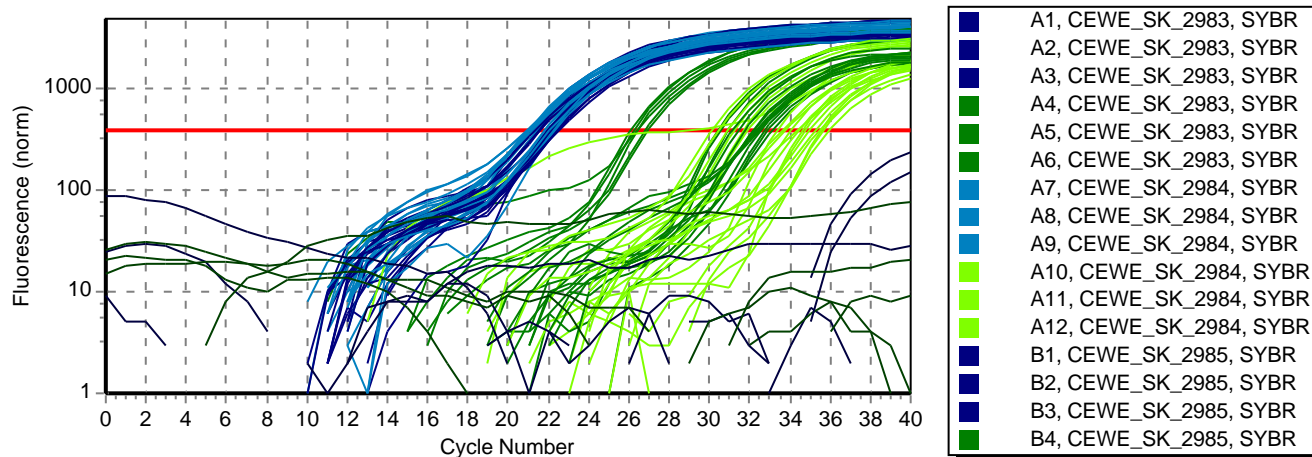
Standard curve

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_SK_2983	1	80.2			
A2	CEWE_SK_2983	1	80.1			
A3	CEWE_SK_2983	1	79.9			
A4	CEWE_SK_2983	1	75.2			
A5	CEWE_SK_2983	1	75.2			
A6	CEWE_SK_2983	1	75.3			
A7	CEWE_SK_2984	1	80.0			
A8	CEWE_SK_2984	1	79.9			
A9	CEWE_SK_2984	1	79.8			
A10	CEWE_SK_2984	0				
A11	CEWE_SK_2984	0				
A12	CEWE_SK_2984	0				
B1	CEWE_SK_2985	1	80.2			
B2	CEWE_SK_2985	1	80.2			
B3	CEWE_SK_2985	1	79.9			
B4	CEWE_SK_2985	0				
B5	CEWE_SK_2985	0				
B6	CEWE_SK_2985	0				
B7	CEWE_SK_2986	1	80.0			
B8	CEWE_SK_2986	1	79.8			
B9	CEWE_SK_2986	1	79.8			
B10	CEWE_SK_2986	1	74.0			
B11	CEWE_SK_2986	1	74.2			
B12	CEWE_SK_2986	1	74.2			
C1	CEWE_SK_2987	1	79.7			
C2	CEWE_SK_2987	1	79.5			
C3	CEWE_SK_2987	1	79.4			
C4	CEWE_SK_2987	1	74.9			
C5	CEWE_SK_2987	1	74.9			
C6	CEWE_SK_2987	1	74.9			
C7	CEWE_SK_2988	1	79.7			
C8	CEWE_SK_2988	1	79.6			
C9	CEWE_SK_2988	1	79.5			
C10	CEWE_SK_2988	1	74.5			
C11	CEWE_SK_2988	1	74.6			
C12	CEWE_SK_2988	1	74.6			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
D1	CEWE_SK_2989	1	79.9			
D2	CEWE_SK_2989	1	79.7			
D3	CEWE_SK_2989	1	79.5			
D4	CEWE_SK_2989	1	75.0			
D5	CEWE_SK_2989	1	74.9			
D6	CEWE_SK_2989	1	75.0			
D7	CEWE_SK_2990	1	79.7			
D8	CEWE_SK_2990	1	79.6			
D9	CEWE_SK_2990	1	79.5			
D10	CEWE_SK_2990	0				
D11	CEWE_SK_2990	1	78.9			
D12	CEWE_SK_2990	0				
E1	CEWE_SK_2991	1	80.0			
E2	CEWE_SK_2991	1	79.8			
E3	CEWE_SK_2991	1	79.8			
E4	CEWE_SK_2991	0				
E5	CEWE_SK_2991	0				
E6	CEWE_SK_2991	0				
E7	CEWE_SK_2992	1	79.5			
E8	CEWE_SK_2992	1	79.5			
E9	CEWE_SK_2992	1	79.4			
E10	CEWE_SK_2992	1	78.3			
E11	CEWE_SK_2992	0				
E12	CEWE_SK_2992	0				
F1	CEWE_SK_2993	1	79.9			
F2	CEWE_SK_2993	1	79.8			
F3	CEWE_SK_2993	1	79.8			
F4	CEWE_SK_2993	1	74.6			
F5	CEWE_SK_2993	1	74.8			
F6	CEWE_SK_2993	1	75.0			
F7	CEWE_SK_2994	1	79.7			
F8	CEWE_SK_2994	1	79.5			
F9	CEWE_SK_2994	1	79.4			
F10	CEWE_SK_2994	0				
F11	CEWE_SK_2994	0				
F12	CEWE_SK_2994	0				
G1	CEWE_SK_2995	1	80.1			
G2	CEWE_SK_2995	1	80.2			
G3	CEWE_SK_2995	1	79.9			
G4	CEWE_SK_2995	0				

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
G5	CEWE_SK_2995	0				
G6	CEWE_SK_2995	0				
G7	CEWE_SK_2996	1	80.0			
G8	CEWE_SK_2996	1	79.9			
G9	CEWE_SK_2996	1	79.7			
G10	CEWE_SK_2996	1	74.1			
G11	CEWE_SK_2996	1	74.1			
G12	CEWE_SK_2996	1	74.1			
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 - CEWE_SK_2983 - 520 [nm]
■	A2 - CEWE_SK_2983 - 520 [nm]
■	A3 - CEWE_SK_2983 - 520 [nm]
■	A4 - CEWE_SK_2983 - 520 [nm]
■	A5 - CEWE_SK_2983 - 520 [nm]
■	A6 - CEWE_SK_2983 - 520 [nm]
■	A7 - CEWE_SK_2984 - 520 [nm]
■	A8 - CEWE_SK_2984 - 520 [nm]
■	A9 - CEWE_SK_2984 - 520 [nm]
■	A10 - CEWE_SK_2984 - 520 [nm]
■	A11 - CEWE_SK_2984 - 520 [nm]
■	A12 - CEWE_SK_2984 - 520 [nm]
■	B1 - CEWE_SK_2985 - 520 [nm]
■	B2 - CEWE_SK_2985 - 520 [nm]
■	B3 - CEWE_SK_2985 - 520 [nm]
■	B4 - CEWE_SK_2985 - 520 [nm]

Threshold   33%