

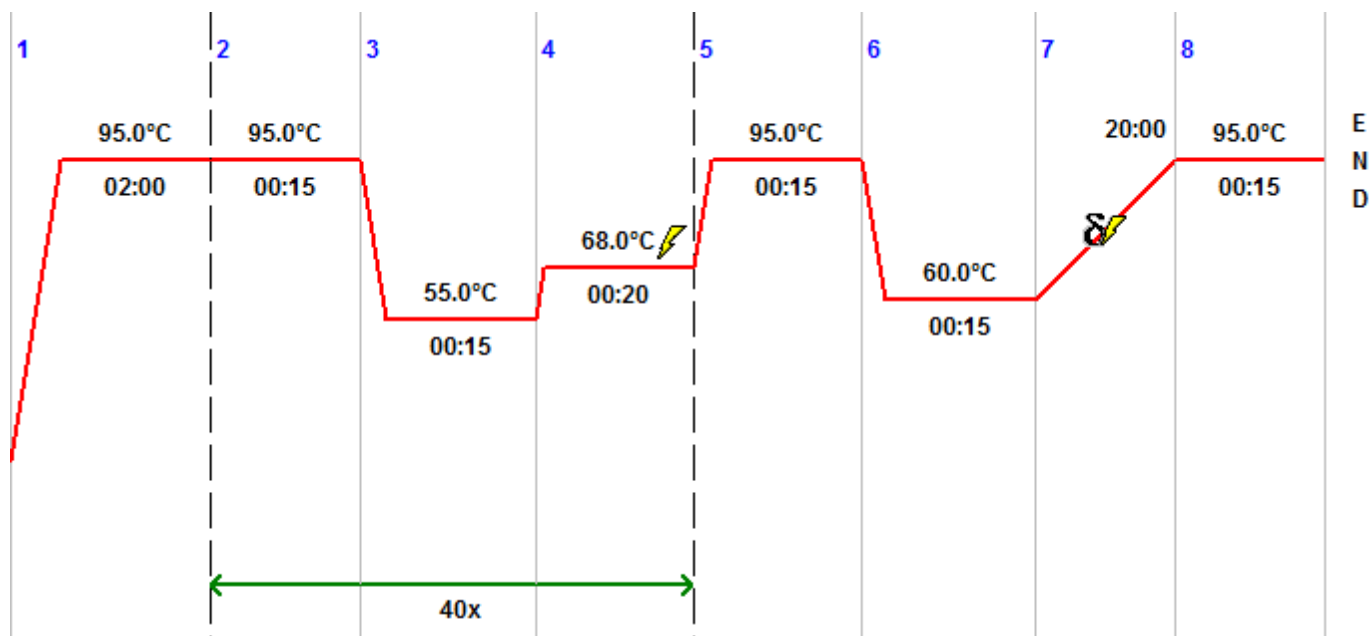
## Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Yasmin_Crypto_Projec	
Printed by:	EPPENDORF	
Created:	Oct/19/2018 11:01	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Oct/19/2018 11:46
Acquisition End Time:	EPPENDORF	Oct/19/2018 13:14
Last updated:	EPPENDORF	Sep/05/2018 11:56
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
3060_3068_repeats	Quantification	Oct/19/2018 13:51
	Melting Curve	Oct/19/2018 13:52
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

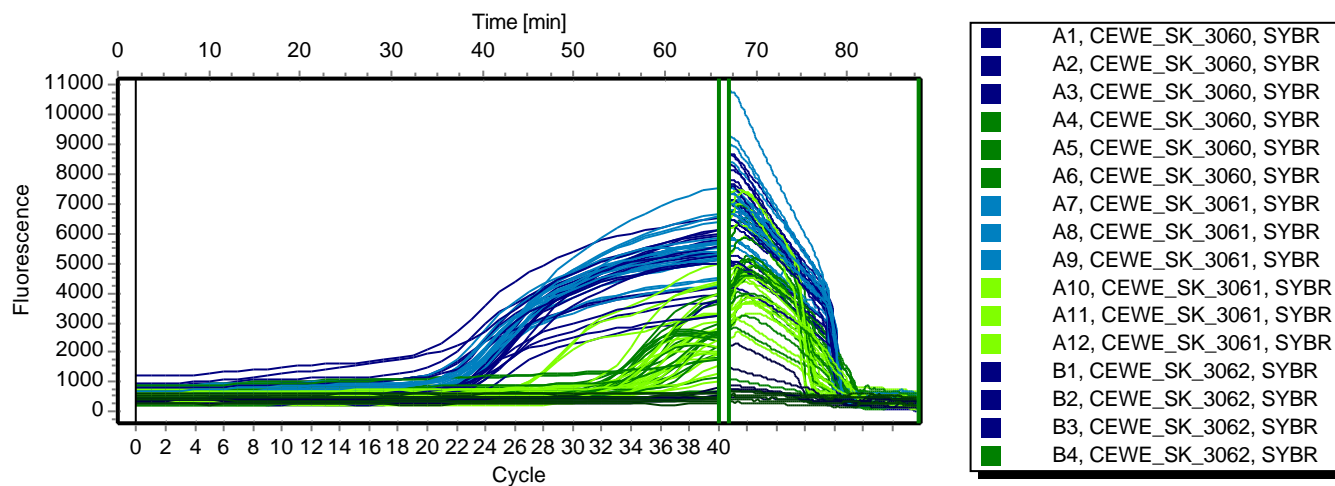


## Program Header

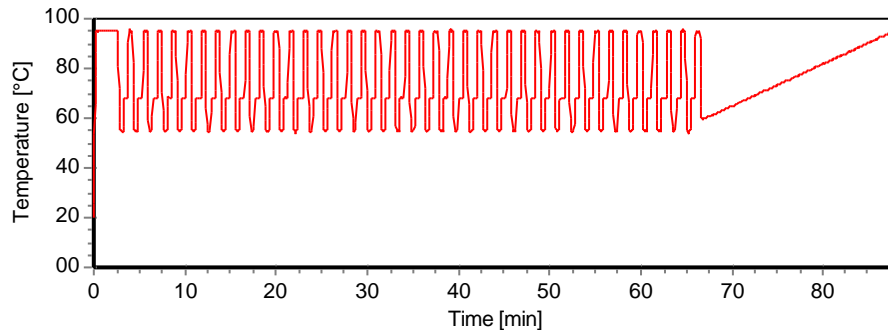
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

## Raw Data SYBR







































































### Fluorescence Profile

















































































### Temperature Profile



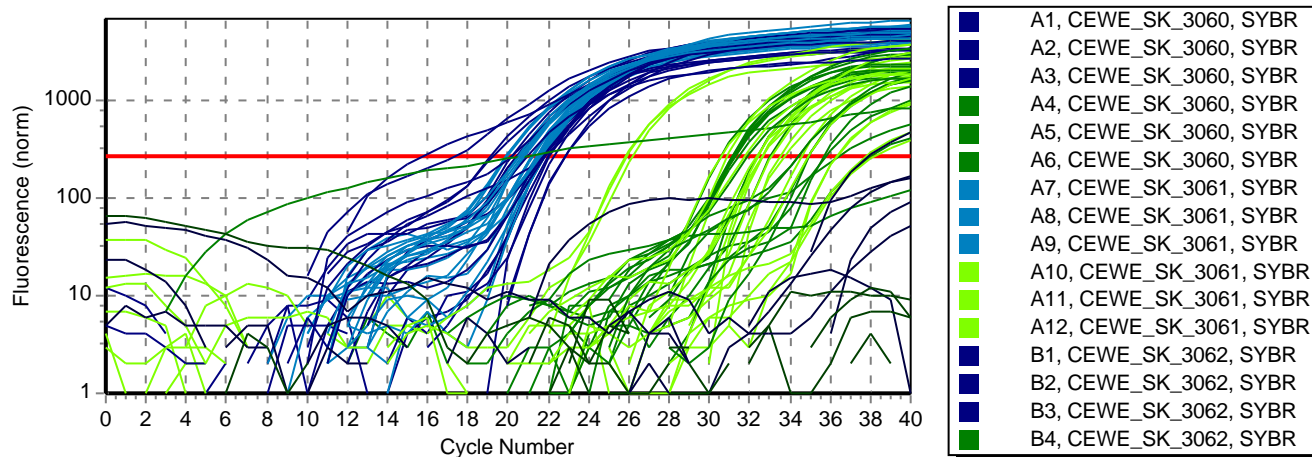
## Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_SK_3060	22.01	21.83	0.16	1.00			mouse
  A2	CEWE_SK_3060	21.72	21.83	0.16	1.00			mouse
  A3	CEWE_SK_3060	21.75	21.83	0.16	1.00			mouse
  A4	CEWE_SK_3060	33.03	32.63	0.35	1.00			eimeria
  A5	CEWE_SK_3060	32.44	32.63	0.35	1.00			eimeria
  A6	CEWE_SK_3060	32.43	32.63	0.35	1.00			eimeria
  A7	CEWE_SK_3061	21.18	21.26	0.17	1.00			mouse
  A8	CEWE_SK_3061	21.15	21.26	0.17	1.00			mouse
  A9	CEWE_SK_3061	21.45	21.26	0.17	1.00			mouse
  A10	CEWE_SK_3061	32.48	32.15	0.76	1.00			eimeria
  A11	CEWE_SK_3061	32.69	32.15	0.76	1.00			eimeria
  A12	CEWE_SK_3061	31.28	32.15	0.76	1.00			eimeria
  B1	CEWE_SK_3062	20.22	20.37	0.13	1.00			mouse
  B2	CEWE_SK_3062	20.43	20.37	0.13	1.00			mouse
  B3	CEWE_SK_3062	20.46	20.37	0.13	1.00			mouse
  B4	CEWE_SK_3062	35.74	33.99	2.34	1.00			eimeria
  B5	CEWE_SK_3062	34.89	33.99	2.34	1.00			eimeria
  B6	CEWE_SK_3062	31.33	33.99	2.34	1.00			eimeria
  B7	CEWE_SK_3063	21.41	21.28	0.16	1.00			mouse
  B8	CEWE_SK_3063	21.33	21.28	0.16	1.00			mouse
  B9	CEWE_SK_3063	21.10	21.28	0.16	1.00			mouse
  B10	CEWE_SK_3063	36.28	34.50	1.55	1.00			eimeria
  B11	CEWE_SK_3063	33.52	34.50	1.55	1.00			eimeria
  B12	CEWE_SK_3063	33.70	34.50	1.55	1.00			eimeria
  C1	CEWE_SK_3064	17.29	18.58	1.12	1.00			mouse
  C2	CEWE_SK_3064	19.17	18.58	1.12	1.00			mouse
  C3	CEWE_SK_3064	19.28	18.58	1.12	1.00			mouse
  C4	CEWE_SK_3064	36.40	34.08	2.46	1.00			eimeria
  C5	CEWE_SK_3064	34.36	34.08	2.46	1.00			eimeria
  C6	CEWE_SK_3064	31.50	34.08	2.46	1.00			eimeria
  C7	CEWE_SK_3065	20.49	20.67	0.16	1.00			mouse
  C8	CEWE_SK_3065	20.75	20.67	0.16	1.00			mouse
  C9	CEWE_SK_3065	20.77	20.67	0.16	1.00			mouse
  C10	CEWE_SK_3065	34.54	33.34	1.10	1.00			eimeria
  C11	CEWE_SK_3065	33.11	33.34	1.10	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_3065	32.37	33.34	1.10	1.00			eimeria
  D1	CEWE_SK_3066	21.93	21.72	0.19	1.00			mouse
  D2	CEWE_SK_3066	21.65	21.72	0.19	1.00			mouse
  D3	CEWE_SK_3066	21.58	21.72	0.19	1.00			mouse
  D4	CEWE_SK_3066	37.96	34.96	3.41	1.00			eimeria
  D5	CEWE_SK_3066	35.65	34.96	3.41	1.00			eimeria
  D6	CEWE_SK_3066	31.26	34.96	3.41	1.00			eimeria
  D7	CEWE_SK_3067	21.63	21.70	0.06	1.00			mouse
  D8	CEWE_SK_3067	21.74	21.70	0.06	1.00			mouse
  D9	CEWE_SK_3067	21.73	21.70	0.06	1.00			mouse
  D10	CEWE_SK_3067	38.20	35.73	2.81	1.00			eimeria
  D11	CEWE_SK_3067	36.30	35.73	2.81	1.00			eimeria
  D12	CEWE_SK_3067	32.68	35.73	2.81	1.00			eimeria
  E1	CEWE_SK_3068	22.79	22.59	0.33	1.00			mouse
  E2	CEWE_SK_3068	22.21	22.59	0.33	1.00			mouse
  E3	CEWE_SK_3068	22.79	22.59	0.33	1.00			mouse
  E4	CEWE_SK_3068		33.09	2.59	1.00			eimeria
  E5	CEWE_SK_3068	34.92	33.09	2.59	1.00			eimeria
  E6	CEWE_SK_3068	31.26	33.09	2.59	1.00			eimeria
  E7	CEWE_SK_3027	19.93	19.93	0.03	1.00			mouse
  E8	CEWE_SK_3027	19.96	19.93	0.03	1.00			mouse
  E9	CEWE_SK_3027	19.91	19.93	0.03	1.00			mouse
  E10	CEWE_SK_3027	26.17	25.96	0.19	1.00			eimeria
  E11	CEWE_SK_3027	25.87	25.96	0.19	1.00			eimeria
  E12	CEWE_SK_3027	25.82	25.96	0.19	1.00			eimeria
  F1	CEWE_SK_3033	21.72	21.73	0.03	1.00			mouse
  F2	CEWE_SK_3033	21.71	21.73	0.03	1.00			mouse
  F3	CEWE_SK_3033	21.76	21.73	0.03	1.00			mouse
  F4	CEWE_SK_3033	31.15	30.97	0.33	1.00			eimeria
  F5	CEWE_SK_3033	31.16	30.97	0.33	1.00			eimeria
  F6	CEWE_SK_3033	30.59	30.97	0.33	1.00			eimeria
  F7	CEWE_SK_3039	21.54	21.48	0.07	1.00			mouse
  F8	CEWE_SK_3039	21.49	21.48	0.07	1.00			mouse
  F9	CEWE_SK_3039	21.41	21.48	0.07	1.00			mouse
  F10	CEWE_SK_3039	32.66	31.39	1.12	1.00			eimeria
  F11	CEWE_SK_3039	30.91	31.39	1.12	1.00			eimeria
  F12	CEWE_SK_3039	30.58	31.39	1.12	1.00			eimeria
  G1	CEWE_SK_3032	15.73	18.94	2.80	1.00			mouse
  G2	CEWE_SK_3032	20.20	18.94	2.80	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_3032	20.89	18.94	2.80	1.00			mouse
G4	CEWE_SK_3032	20.57	28.94	7.35	1.00			eimeria
G5	CEWE_SK_3032	34.34	28.94	7.35	1.00			eimeria
G6	CEWE_SK_3032	31.92	28.94	7.35	1.00			eimeria
G7	CEWE_SK_3024	20.55	20.65	0.10	1.00			mouse
G8	CEWE_SK_3024	20.74	20.65	0.10	1.00			mouse
G9	CEWE_SK_3024	20.67	20.65	0.10	1.00			mouse
G10	CEWE_SK_3024	37.76	34.79	3.00	1.00			eimeria
G11	CEWE_SK_3024	34.87	34.79	3.00	1.00			eimeria
G12	CEWE_SK_3024	31.75	34.79	3.00	1.00			eimeria
H1	NTC	-			-			mouse
H2	NTC	-			-			mouse
H3	NTC	37.89			-			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







































## Standard curve































































Slope	-	R <sup>2</sup>	-
Y-Intercept	-	Efficiency	-



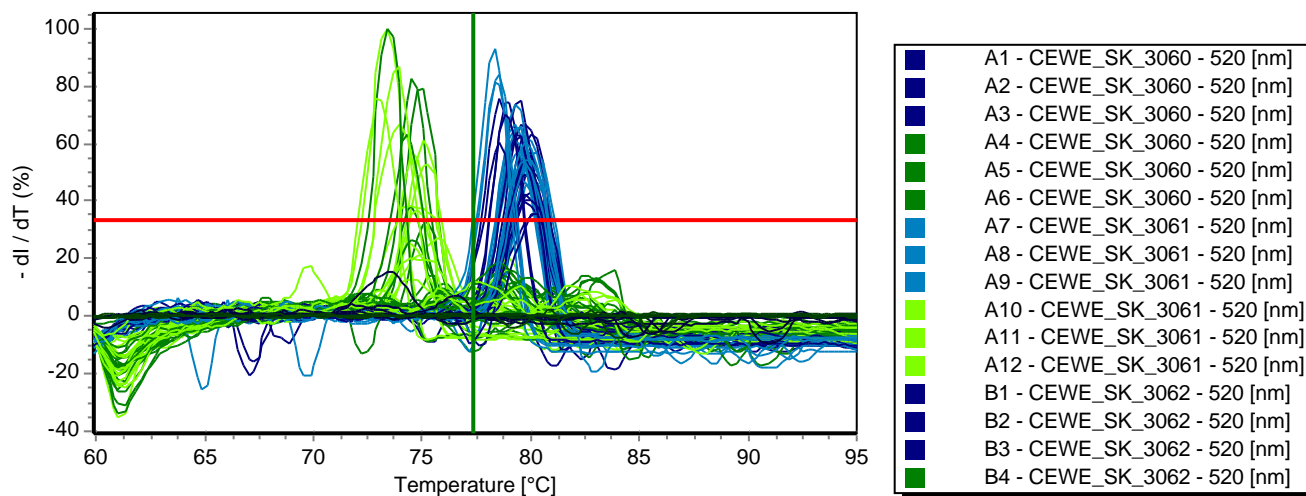
## Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 A1	CEWE_SK_3060	1	79.6			
 A2	CEWE_SK_3060	1	80.1			
 A3	CEWE_SK_3060	1	79.9			
 A4	CEWE_SK_3060	1	74.9			
 A5	CEWE_SK_3060	1	74.6			
 A6	CEWE_SK_3060	0				
 A7	CEWE_SK_3061	1	80.2			
 A8	CEWE_SK_3061	1	80.2			
 A9	CEWE_SK_3061	1	80.1			
 A10	CEWE_SK_3061	1	75.1			
 A11	CEWE_SK_3061	1	75.2			
 A12	CEWE_SK_3061	0				
 B1	CEWE_SK_3062	1	79.9			
 B2	CEWE_SK_3062	1	80.0			
 B3	CEWE_SK_3062	1	80.0			
 B4	CEWE_SK_3062	0				
 B5	CEWE_SK_3062	1	74.5			
 B6	CEWE_SK_3062	0				
 B7	CEWE_SK_3063	1	79.9			
 B8	CEWE_SK_3063	1	79.8			
 B9	CEWE_SK_3063	1	79.6			
 B10	CEWE_SK_3063	0				
 B11	CEWE_SK_3063	1	74.8			
 B12	CEWE_SK_3063	0				
 C1	CEWE_SK_3064	1	79.5			
 C2	CEWE_SK_3064	1	79.9			
 C3	CEWE_SK_3064	1	80.3			
 C4	CEWE_SK_3064	0				
 C5	CEWE_SK_3064	0				
 C6	CEWE_SK_3064	0				
 C7	CEWE_SK_3065	1	79.9			
 C8	CEWE_SK_3065	1	79.8			
 C9	CEWE_SK_3065	1	79.6			
 C10	CEWE_SK_3065	1	74.6			
 C11	CEWE_SK_3065	0				
 C12	CEWE_SK_3065	0				

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 D1	CEWE_SK_3066	1	79.0			
 D2	CEWE_SK_3066	1	79.8			
 D3	CEWE_SK_3066	1	79.8			
 D4	CEWE_SK_3066	0				
 D5	CEWE_SK_3066	0				
 D6	CEWE_SK_3066	0				
 D7	CEWE_SK_3067	1	79.4			
 D8	CEWE_SK_3067	1	79.3			
 D9	CEWE_SK_3067	1	79.3			
 D10	CEWE_SK_3067	0				
 D11	CEWE_SK_3067	0				
 D12	CEWE_SK_3067	0				
 E1	CEWE_SK_3068	1	78.6			
 E2	CEWE_SK_3068	1	79.4			
 E3	CEWE_SK_3068	1	79.8			
 E4	CEWE_SK_3068	0				
 E5	CEWE_SK_3068	0				
 E6	CEWE_SK_3068	0				
 E7	CEWE_SK_3027	1	79.5			
 E8	CEWE_SK_3027	1	79.4			
 E9	CEWE_SK_3027	1	79.4			
 E10	CEWE_SK_3027	1	73.4			
 E11	CEWE_SK_3027	1	73.9			
 E12	CEWE_SK_3027	1	74.4			
 F1	CEWE_SK_3033	1	78.6			
 F2	CEWE_SK_3033	1	79.5			
 F3	CEWE_SK_3033	1	79.9			
 F4	CEWE_SK_3033	1	73.5			
 F5	CEWE_SK_3033	1	74.3			
 F6	CEWE_SK_3033	0				
 F7	CEWE_SK_3039	1	78.3			
 F8	CEWE_SK_3039	1	78.4			
 F9	CEWE_SK_3039	1	78.6			
 F10	CEWE_SK_3039	1	73.0			
 F11	CEWE_SK_3039	1	73.8			
 F12	CEWE_SK_3039	0				
 G1	CEWE_SK_3032	1	78.9			
 G2	CEWE_SK_3032	1	79.8			
 G3	CEWE_SK_3032	1	80.2			
 G4	CEWE_SK_3032	0				

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 G5	CEWE_SK_3032	0				
 G6	CEWE_SK_3032	0				
 G7	CEWE_SK_3024	1	79.9			
 G8	CEWE_SK_3024	1	79.8			
 G9	CEWE_SK_3024	1	79.7			
 G10	CEWE_SK_3024	0				
 G11	CEWE_SK_3024	0				
 G12	CEWE_SK_3024	0				
 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%

