

Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Yasmin_Crypto_Projec	
Printed by:	EPPENDORF	
Created:	Oct/17/2018 09:58	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Oct/17/2018 10:51
Acquisition End Time:	EPPENDORF	Oct/17/2018 12:19
Last updated:	EPPENDORF	Sep/05/2018 11:56
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
3025_3041	Quantification	Oct/17/2018 13:28
	Melting Curve	Oct/17/2018 13:31
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

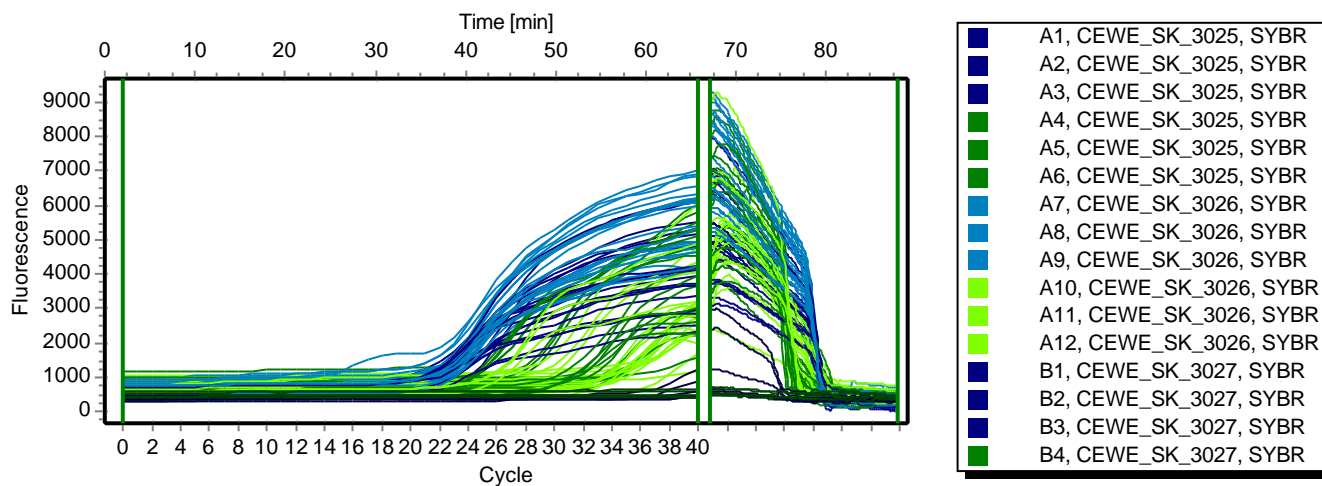


Program Header

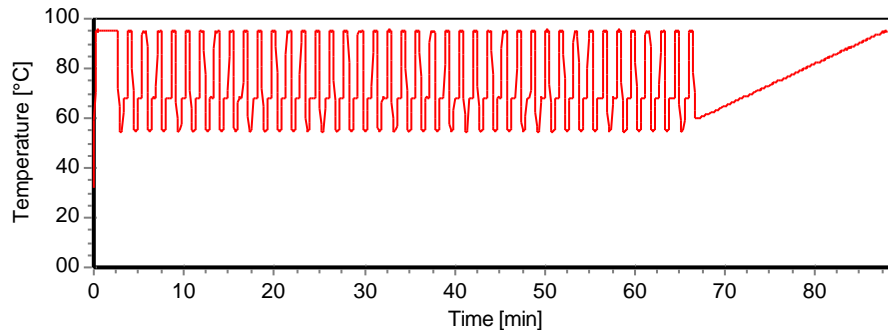
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR







































































Fluorescence Profile







































































































Temperature Profile



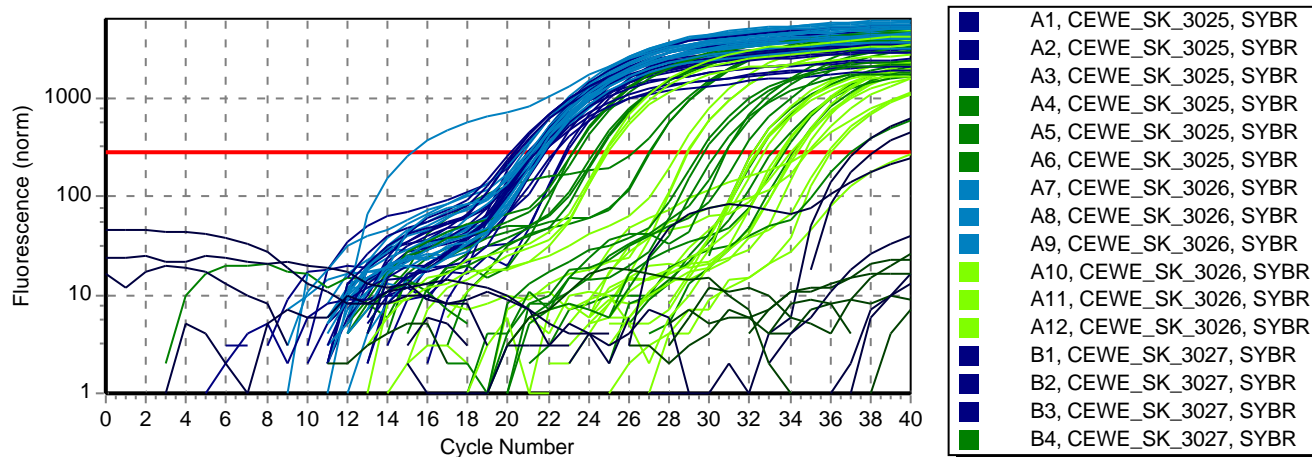
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_SK_3025	22.94	22.69	0.33	1.00			mouse
  A2	CEWE_SK_3025	22.81	22.69	0.33	1.00			mouse
  A3	CEWE_SK_3025	22.32	22.69	0.33	1.00			mouse
  A4	CEWE_SK_3025	27.05	26.80	0.47	1.00			eimeria
  A5	CEWE_SK_3025	27.09	26.80	0.47	1.00			eimeria
  A6	CEWE_SK_3025	26.26	26.80	0.47	1.00			eimeria
  A7	CEWE_SK_3026	21.30	21.26	0.04	1.00			mouse
  A8	CEWE_SK_3026	21.24	21.26	0.04	1.00			mouse
  A9	CEWE_SK_3026	21.22	21.26	0.04	1.00			mouse
  A10	CEWE_SK_3026	35.89	34.99	0.80	1.00			eimeria
  A11	CEWE_SK_3026	34.72	34.99	0.80	1.00			eimeria
  A12	CEWE_SK_3026	34.36	34.99	0.80	1.00			eimeria
  B1	CEWE_SK_3027	20.37	20.66	0.30	1.00			mouse
  B2	CEWE_SK_3027	20.64	20.66	0.30	1.00			mouse
  B3	CEWE_SK_3027	20.97	20.66	0.30	1.00			mouse
  B4	CEWE_SK_3027	24.45	24.41	0.11	1.00			eimeria
  B5	CEWE_SK_3027	24.50	24.41	0.11	1.00			eimeria
  B6	CEWE_SK_3027	24.29	24.41	0.11	1.00			eimeria
  B7	CEWE_SK_3028	21.30	21.05	0.27	1.00			mouse
  B8	CEWE_SK_3028	21.08	21.05	0.27	1.00			mouse
  B9	CEWE_SK_3028	20.77	21.05	0.27	1.00			mouse
  B10	CEWE_SK_3028	28.51	28.81	0.27	1.00			eimeria
  B11	CEWE_SK_3028	28.99	28.81	0.27	1.00			eimeria
  B12	CEWE_SK_3028	28.94	28.81	0.27	1.00			eimeria
  C1	CEWE_SK_3029	20.65	20.93	0.24	1.00			mouse
  C2	CEWE_SK_3029	21.06	20.93	0.24	1.00			mouse
  C3	CEWE_SK_3029	21.07	20.93	0.24	1.00			mouse
  C4	CEWE_SK_3029	33.21	32.65	0.51	1.00			eimeria
  C5	CEWE_SK_3029	32.21	32.65	0.51	1.00			eimeria
  C6	CEWE_SK_3029	32.52	32.65	0.51	1.00			eimeria
  C7	CEWE_SK_3030	21.74	21.27	0.41	1.00			mouse
  C8	CEWE_SK_3030	21.07	21.27	0.41	1.00			mouse
  C9	CEWE_SK_3030	21.00	21.27	0.41	1.00			mouse
  C10	CEWE_SK_3030		34.41	2.31	1.00			eimeria
  C11	CEWE_SK_3030	32.78	34.41	2.31	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_3030	36.05	34.41	2.31	1.00			eimeria
  D1	CEWE_SK_3031	21.15	21.26	0.09	1.00			mouse
  D2	CEWE_SK_3031	21.31	21.26	0.09	1.00			mouse
  D3	CEWE_SK_3031	21.30	21.26	0.09	1.00			mouse
  D4	CEWE_SK_3031	37.11	34.99	1.84	1.00			eimeria
  D5	CEWE_SK_3031	33.73	34.99	1.84	1.00			eimeria
  D6	CEWE_SK_3031	34.15	34.99	1.84	1.00			eimeria
  D7	CEWE_SK_3032	21.19	19.03	3.26	1.00			mouse
  D8	CEWE_SK_3032	20.62	19.03	3.26	1.00			mouse
  D9	CEWE_SK_3032	15.28	19.03	3.26	1.00			mouse
  D10	CEWE_SK_3032	34.86	34.61	0.47	1.00			eimeria
  D11	CEWE_SK_3032	34.90	34.61	0.47	1.00			eimeria
  D12	CEWE_SK_3032	34.07	34.61	0.47	1.00			eimeria
  E1	CEWE_SK_3033	21.81	21.94	0.30	1.00			mouse
  E2	CEWE_SK_3033	21.74	21.94	0.30	1.00			mouse
  E3	CEWE_SK_3033	22.29	21.94	0.30	1.00			mouse
  E4	CEWE_SK_3033	31.68	31.13	0.47	1.00			eimeria
  E5	CEWE_SK_3033	30.85	31.13	0.47	1.00			eimeria
  E6	CEWE_SK_3033	30.87	31.13	0.47	1.00			eimeria
  E7	CEWE_SK_3034	21.69	21.62	0.06	1.00			mouse
  E8	CEWE_SK_3034	21.61	21.62	0.06	1.00			mouse
  E9	CEWE_SK_3034	21.57	21.62	0.06	1.00			mouse
  E10	CEWE_SK_3034	33.63	32.75	0.77	1.00			eimeria
  E11	CEWE_SK_3034	32.22	32.75	0.77	1.00			eimeria
  E12	CEWE_SK_3034	32.41	32.75	0.77	1.00			eimeria
  F1	CEWE_SK_3035	20.18	20.32	0.15	1.00			mouse
  F2	CEWE_SK_3035	20.31	20.32	0.15	1.00			mouse
  F3	CEWE_SK_3035	20.48	20.32	0.15	1.00			mouse
  F4	CEWE_SK_3035	23.47	23.31	0.14	1.00			eimeria
  F5	CEWE_SK_3035	23.24	23.31	0.14	1.00			eimeria
  F6	CEWE_SK_3035	23.21	23.31	0.14	1.00			eimeria
  F7	CEWE_SK_3038	21.33	21.32	0.15	1.00			mouse
  F8	CEWE_SK_3038	21.47	21.32	0.15	1.00			mouse
  F9	CEWE_SK_3038	21.16	21.32	0.15	1.00			mouse
  F10	CEWE_SK_3038	34.22	33.42	0.87	1.00			eimeria
  F11	CEWE_SK_3038	33.54	33.42	0.87	1.00			eimeria
  F12	CEWE_SK_3038	32.49	33.42	0.87	1.00			eimeria
  G1	CEWE_SK_3039	21.41	21.63	0.19	1.00			mouse
  G2	CEWE_SK_3039	21.73	21.63	0.19	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_3039	21.75	21.63	0.19	1.00			mouse
 G4	CEWE_SK_3039	29.60	29.95	0.44	1.00			eimeria
 G5	CEWE_SK_3039	30.45	29.95	0.44	1.00			eimeria
 G6	CEWE_SK_3039	29.80	29.95	0.44	1.00			eimeria
 G7	CEWE_SK_3041	21.73	21.66	0.13	1.00			mouse
 G8	CEWE_SK_3041	21.51	21.66	0.13	1.00			mouse
 G9	CEWE_SK_3041	21.74	21.66	0.13	1.00			mouse
 G10	CEWE_SK_3041	24.78	24.87	0.08	1.00			eimeria
 G11	CEWE_SK_3041	24.88	24.87	0.08	1.00			eimeria
 G12	CEWE_SK_3041	24.95	24.87	0.08	1.00			eimeria
 H1	NTC	37.23	37.69	0.64	-			mouse
 H2	NTC	38.14	37.69	0.64	-			mouse
 H3	NTC	-	37.69	0.64	-			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 - R² -

Y-Intercept - Efficiency -

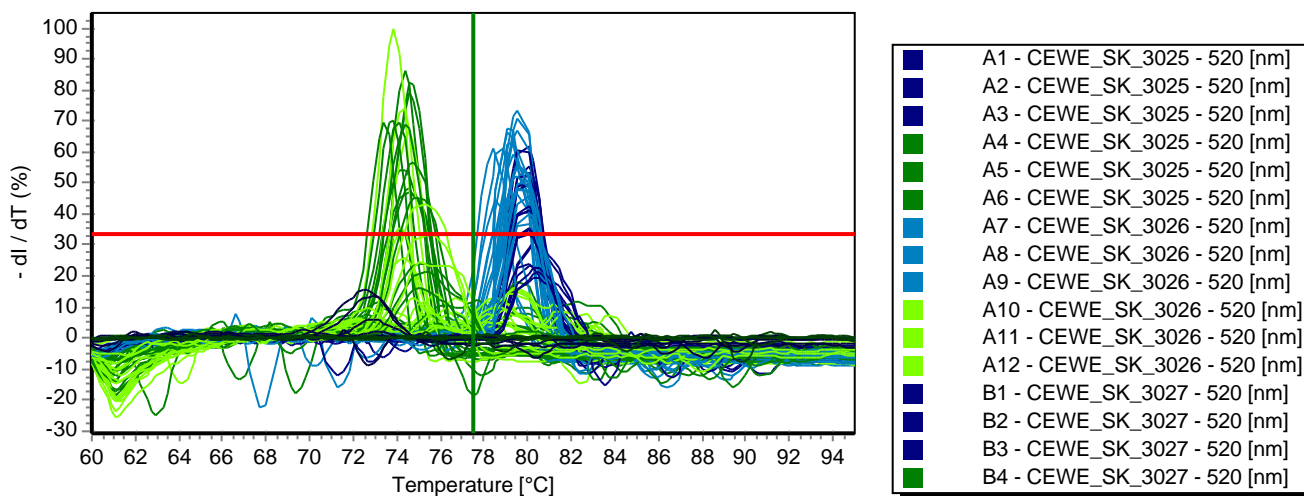
Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 A1	CEWE_SK_3025	1	80.0			
 A2	CEWE_SK_3025	1	79.9			
 A3	CEWE_SK_3025	1	79.8			
 A4	CEWE_SK_3025	1	74.3			
 A5	CEWE_SK_3025	1	74.6			
 A6	CEWE_SK_3025	1	74.6			
 A7	CEWE_SK_3026	1	79.7			
 A8	CEWE_SK_3026	1	79.6			
 A9	CEWE_SK_3026	1	79.6			
 A10	CEWE_SK_3026	0				
 A11	CEWE_SK_3026	1	74.2			
 A12	CEWE_SK_3026	0				
 B1	CEWE_SK_3027	0				
 B2	CEWE_SK_3027	0				
 B3	CEWE_SK_3027	0				
 B4	CEWE_SK_3027	1	74.2			
 B5	CEWE_SK_3027	1	74.5			
 B6	CEWE_SK_3027	1	74.5			
 B7	CEWE_SK_3028	1	79.2			
 B8	CEWE_SK_3028	1	79.1			
 B9	CEWE_SK_3028	1	79.2			
 B10	CEWE_SK_3028	1	73.8			
 B11	CEWE_SK_3028	1	74.2			
 B12	CEWE_SK_3028	1	74.5			
 C1	CEWE_SK_3029	1	79.8			
 C2	CEWE_SK_3029	1	79.8			
 C3	CEWE_SK_3029	1	79.8			
 C4	CEWE_SK_3029	0				
 C5	CEWE_SK_3029	0				
 C6	CEWE_SK_3029	0				
 C7	CEWE_SK_3030	1	78.6			
 C8	CEWE_SK_3030	1	78.4			
 C9	CEWE_SK_3030	1	78.7			
 C10	CEWE_SK_3030	0				
 C11	CEWE_SK_3030	0				
 C12	CEWE_SK_3030	0				

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 D1	CEWE_SK_3031	1	79.8			
 D2	CEWE_SK_3031	1	79.8			
 D3	CEWE_SK_3031	1	79.9			
 D4	CEWE_SK_3031	0				
 D5	CEWE_SK_3031	1	74.1			
 D6	CEWE_SK_3031	0				
 D7	CEWE_SK_3032	1	79.4			
 D8	CEWE_SK_3032	1	79.3			
 D9	CEWE_SK_3032	1	79.3			
 D10	CEWE_SK_3032	0				
 D11	CEWE_SK_3032	0				
 D12	CEWE_SK_3032	0				
 E1	CEWE_SK_3033	1	80.0			
 E2	CEWE_SK_3033	1	79.9			
 E3	CEWE_SK_3033	0				
 E4	CEWE_SK_3033	1	73.4			
 E5	CEWE_SK_3033	1	73.8			
 E6	CEWE_SK_3033	1	74.1			
 E7	CEWE_SK_3034	1	79.7			
 E8	CEWE_SK_3034	1	79.7			
 E9	CEWE_SK_3034	1	79.6			
 E10	CEWE_SK_3034	1	74.2			
 E11	CEWE_SK_3034	0				
 E12	CEWE_SK_3034	0				
 F1	CEWE_SK_3035	1	79.9			
 F2	CEWE_SK_3035	1	79.9			
 F3	CEWE_SK_3035	1	79.9			
 F4	CEWE_SK_3035	1	74.4			
 F5	CEWE_SK_3035	1	74.7			
 F6	CEWE_SK_3035	1	74.9			
 F7	CEWE_SK_3038	1	79.8			
 F8	CEWE_SK_3038	1	79.8			
 F9	CEWE_SK_3038	1	79.7			
 F10	CEWE_SK_3038	0				
 F11	CEWE_SK_3038	0				
 F12	CEWE_SK_3038	0				
 G1	CEWE_SK_3039	0				
 G2	CEWE_SK_3039	0				
 G3	CEWE_SK_3039	0				
 G4	CEWE_SK_3039	0				

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 G5	CEWE_SK_3039	0				
 G6	CEWE_SK_3039	0				
 G7	CEWE_SK_3041	1	80.0			
 G8	CEWE_SK_3041	1	79.9			
 G9	CEWE_SK_3041	1	79.8			
 G10	CEWE_SK_3041	1	75.3			
 G11	CEWE_SK_3041	0				
 G12	CEWE_SK_3041	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%

