

Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Svenja\cecum_plate8	
Printed by:	EPPENDORF	
Created:	Feb/02/2019 13:52	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Feb/02/2019 13:56
Acquisition End Time:	EPPENDORF	Feb/02/2019 15:24
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_plate8	Quantification	Feb/02/2019 15:29
	Melting Curve	Feb/02/2019 15:25
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

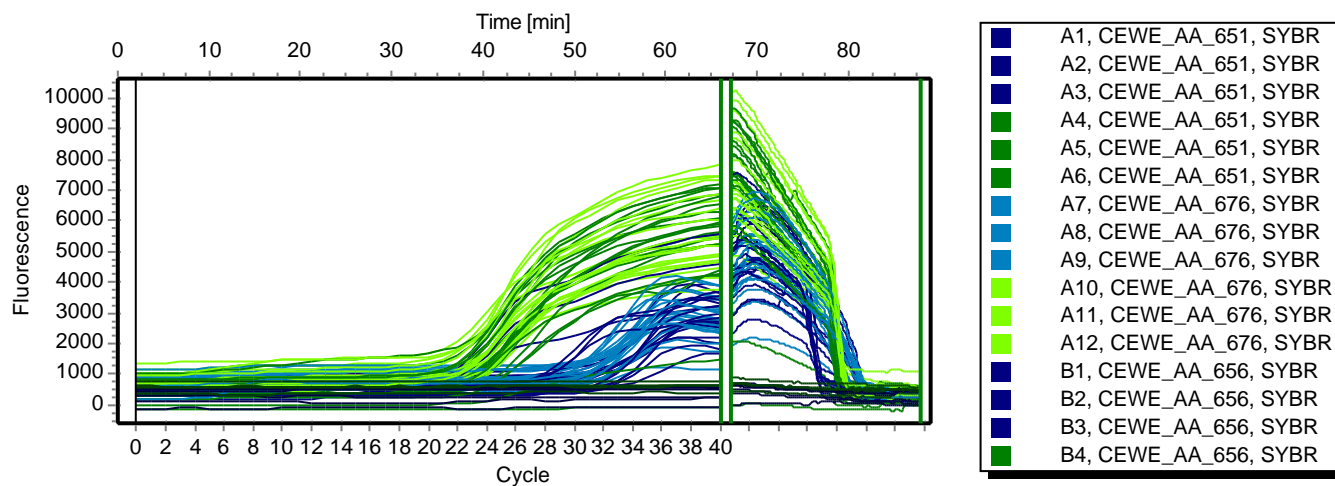


Program Header

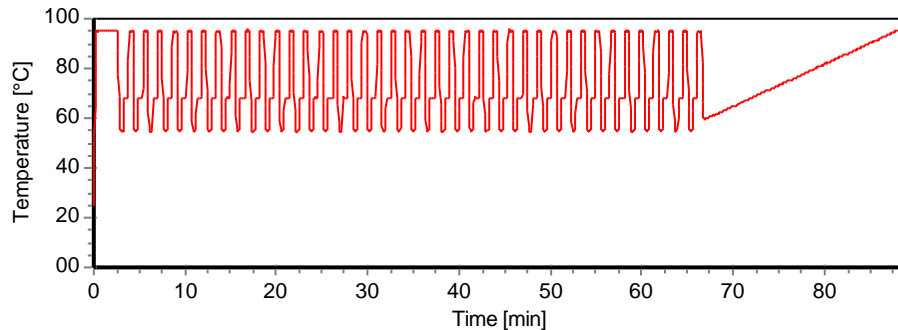
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

Raw Data SYBR







































































Fluorescence Profile







































































































Temperature Profile



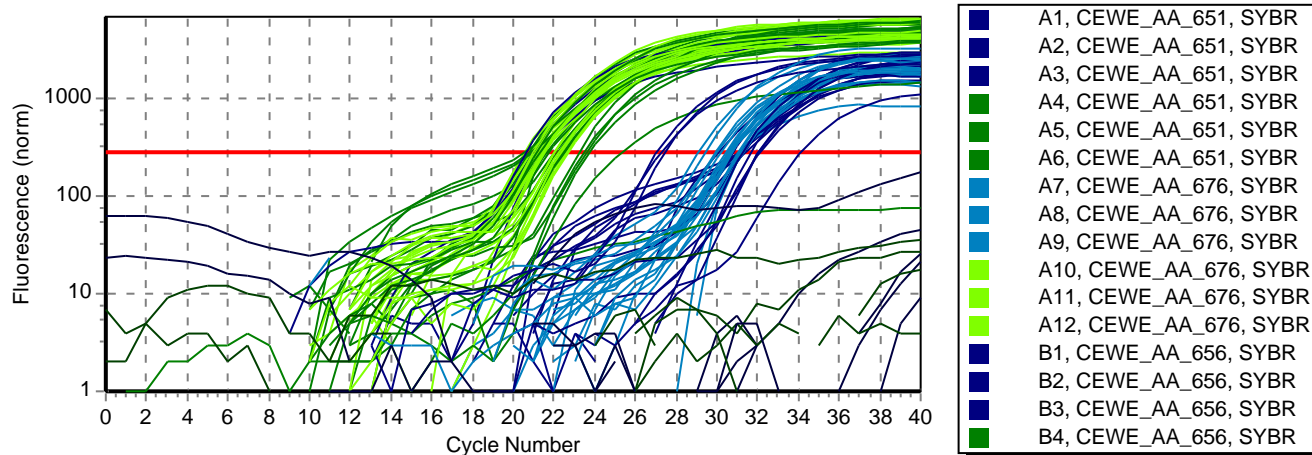
Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_AA_651	31.07	31.10	0.02	1.00			eimeria
  A2	CEWE_AA_651	31.12	31.10	0.02	1.00			eimeria
  A3	CEWE_AA_651	31.10	31.10	0.02	1.00			eimeria
  A4	CEWE_AA_651	22.19	21.98	0.27	1.00			mouse
  A5	CEWE_AA_651	21.67	21.98	0.27	1.00			mouse
  A6	CEWE_AA_651	22.07	21.98	0.27	1.00			mouse
  A7	CEWE_AA_676	30.56	30.79	0.25	1.00			eimeria
  A8	CEWE_AA_676	30.73	30.79	0.25	1.00			eimeria
  A9	CEWE_AA_676	31.06	30.79	0.25	1.00			eimeria
  A10	CEWE_AA_676	21.24	21.22	0.36	1.00			mouse
  A11	CEWE_AA_676	20.85	21.22	0.36	1.00			mouse
  A12	CEWE_AA_676	21.56	21.22	0.36	1.00			mouse
  B1	CEWE_AA_656	31.32	30.73	0.64	1.00			eimeria
  B2	CEWE_AA_656	30.81	30.73	0.64	1.00			eimeria
  B3	CEWE_AA_656	30.05	30.73	0.64	1.00			eimeria
  B4	CEWE_AA_656	21.58	21.11	0.42	1.00			mouse
  B5	CEWE_AA_656	20.77	21.11	0.42	1.00			mouse
  B6	CEWE_AA_656	20.98	21.11	0.42	1.00			mouse
  B7	CEWE_AA_679	31.25	30.87	0.33	1.00			eimeria
  B8	CEWE_AA_679	30.71	30.87	0.33	1.00			eimeria
  B9	CEWE_AA_679	30.65	30.87	0.33	1.00			eimeria
  B10	CEWE_AA_679	20.63	20.70	0.19	1.00			mouse
  B11	CEWE_AA_679	20.56	20.70	0.19	1.00			mouse
  B12	CEWE_AA_679	20.91	20.70	0.19	1.00			mouse
  C1	CEWE_AA_658	31.37	31.23	0.18	1.00			eimeria
  C2	CEWE_AA_658	31.31	31.23	0.18	1.00			eimeria
  C3	CEWE_AA_658	31.03	31.23	0.18	1.00			eimeria
  C4	CEWE_AA_658	20.98	20.77	0.26	1.00			mouse
  C5	CEWE_AA_658	20.49	20.77	0.26	1.00			mouse
  C6	CEWE_AA_658	20.86	20.77	0.26	1.00			mouse
  C7	CEWE_AA_539	30.71	30.63	0.14	1.00			eimeria
  C8	CEWE_AA_539	30.46	30.63	0.14	1.00			eimeria
  C9	CEWE_AA_539	30.71	30.63	0.14	1.00			eimeria
  C10	CEWE_AA_539	22.48	22.36	0.30	1.00			mouse
  C11	CEWE_AA_539	22.01	22.36	0.30	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_539	22.57	22.36	0.30	1.00			mouse
  D1	CEWE_AA_659	21.00	21.02	0.38	1.00			eimeria
  D2	CEWE_AA_659	20.65	21.02	0.38	1.00			eimeria
  D3	CEWE_AA_659	21.40	21.02	0.38	1.00			eimeria
  D4	CEWE_AA_659	22.49	22.43	0.08	1.00			mouse
  D5	CEWE_AA_659	22.34	22.43	0.08	1.00			mouse
  D6	CEWE_AA_659	22.46	22.43	0.08	1.00			mouse
  D7	CEWE_AA_551	31.11	31.16	0.12	1.00			eimeria
  D8	CEWE_AA_551	31.07	31.16	0.12	1.00			eimeria
  D9	CEWE_AA_551	31.29	31.16	0.12	1.00			eimeria
  D10	CEWE_AA_551	21.36	21.31	0.20	1.00			mouse
  D11	CEWE_AA_551	21.09	21.31	0.20	1.00			mouse
  D12	CEWE_AA_551	21.49	21.31	0.20	1.00			mouse
  E1	CEWE_AA_655	32.07	31.95	0.22	1.00			eimeria
  E2	CEWE_AA_655	31.70	31.95	0.22	1.00			eimeria
  E3	CEWE_AA_655	32.09	31.95	0.22	1.00			eimeria
  E4	CEWE_AA_655	23.56	23.50	0.27	1.00			mouse
  E5	CEWE_AA_655	23.20	23.50	0.27	1.00			mouse
  E6	CEWE_AA_655	23.73	23.50	0.27	1.00			mouse
  E7	CEWE_AA_566	31.30	31.09	0.29	1.00			eimeria
  E8	CEWE_AA_566	30.76	31.09	0.29	1.00			eimeria
  E9	CEWE_AA_566	31.20	31.09	0.29	1.00			eimeria
  E10	CEWE_AA_566	22.67	22.45	0.33	1.00			mouse
  E11	CEWE_AA_566	22.07	22.45	0.33	1.00			mouse
  E12	CEWE_AA_566	22.62	22.45	0.33	1.00			mouse
  F1	CEWE_AA_611	32.03	32.45	1.41	1.00			eimeria
  F2	CEWE_AA_611	31.31	32.45	1.41	1.00			eimeria
  F3	CEWE_AA_611	34.03	32.45	1.41	1.00			eimeria
  F4	CEWE_AA_611		24.38	1.31	1.00			mouse
  F5	CEWE_AA_611	23.45	24.38	1.31	1.00			mouse
  F6	CEWE_AA_611	25.30	24.38	1.31	1.00			mouse
  F7	CEWE_AA_584	29.07	29.66	0.52	1.00			eimeria
  F8	CEWE_AA_584	29.91	29.66	0.52	1.00			eimeria
  F9	CEWE_AA_584	30.00	29.66	0.52	1.00			eimeria
  F10	CEWE_AA_584	22.22	22.03	0.47	1.00			mouse
  F11	CEWE_AA_584	21.50	22.03	0.47	1.00			mouse
  F12	CEWE_AA_584	22.38	22.03	0.47	1.00			mouse
  G1	CEWE_AA_635	27.46	27.25	0.21	1.00			eimeria
  G2	CEWE_AA_635	27.03	27.25	0.21	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_635	27.26	27.25	0.21	1.00			eimeria
 G4	CEWE_AA_635	21.32	21.43	0.32	1.00			mouse
 G5	CEWE_AA_635	21.17	21.43	0.32	1.00			mouse
 G6	CEWE_AA_635	21.79	21.43	0.32	1.00			mouse
 G7	CEWE_AA_549	30.56	30.05	0.58	1.00			eimeria
 G8	CEWE_AA_549	29.41	30.05	0.58	1.00			eimeria
 G9	CEWE_AA_549	30.16	30.05	0.58	1.00			eimeria
 G10	CEWE_AA_549	21.51	21.35	0.31	1.00			mouse
 G11	CEWE_AA_549	21.00	21.35	0.31	1.00			mouse
 G12	CEWE_AA_549	21.54	21.35	0.31	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 - R² -

Y-Intercept - Efficiency -

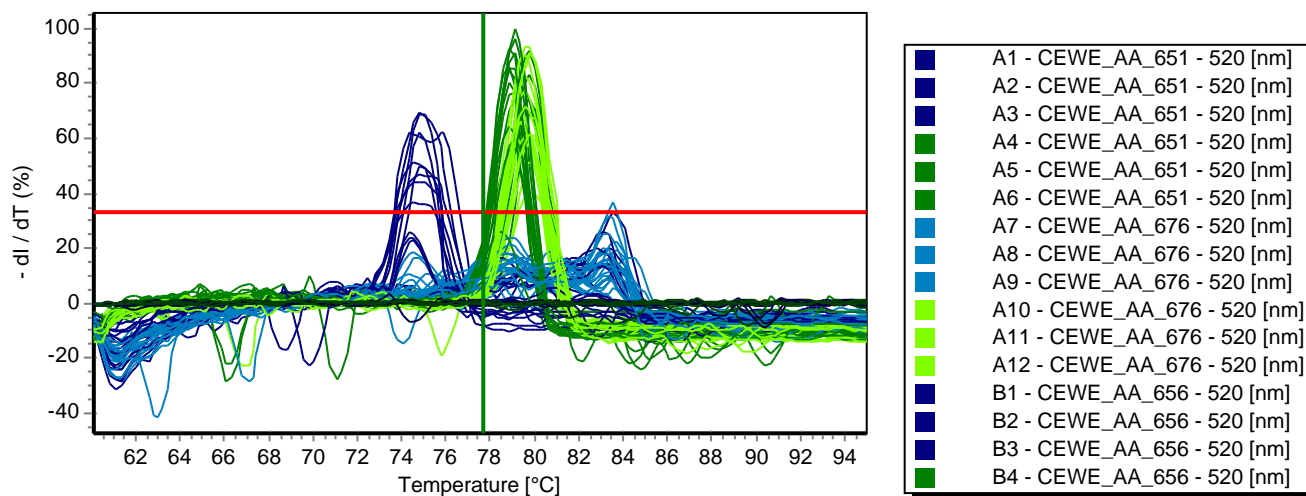
Melting Curve SYBR

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 A1	CEWE_AA_651	0				
 A2	CEWE_AA_651	0				
 A3	CEWE_AA_651	0				
 A4	CEWE_AA_651	1	79.7			
 A5	CEWE_AA_651	1	79.8			
 A6	CEWE_AA_651	1	79.9			
 A7	CEWE_AA_676	0				
 A8	CEWE_AA_676	0				
 A9	CEWE_AA_676	0				
 A10	CEWE_AA_676	1	79.6			
 A11	CEWE_AA_676	1	79.9			
 A12	CEWE_AA_676	1	79.9			
 B1	CEWE_AA_656	0				
 B2	CEWE_AA_656	0				
 B3	CEWE_AA_656	0				
 B4	CEWE_AA_656	1	79.5			
 B5	CEWE_AA_656	1	79.7			
 B6	CEWE_AA_656	1	79.8			
 B7	CEWE_AA_679	0				
 B8	CEWE_AA_679	0				
 B9	CEWE_AA_679	0				
 B10	CEWE_AA_679	1	79.8			
 B11	CEWE_AA_679	1	79.9			
 B12	CEWE_AA_679	1	79.9			
 C1	CEWE_AA_658	0				
 C2	CEWE_AA_658	1	74.9			
 C3	CEWE_AA_658	0				
 C4	CEWE_AA_658	1	78.9			
 C5	CEWE_AA_658	1	79.0			
 C6	CEWE_AA_658	1	79.1			
 C7	CEWE_AA_539	0				
 C8	CEWE_AA_539	0				
 C9	CEWE_AA_539	0				
 C10	CEWE_AA_539	1	79.5			
 C11	CEWE_AA_539	1	79.6			
 C12	CEWE_AA_539	1	79.7			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 D1	CEWE_AA_659	1	74.9			
 D2	CEWE_AA_659	1	75.8			
 D3	CEWE_AA_659	1	74.9			
 D4	CEWE_AA_659	1	78.8			
 D5	CEWE_AA_659	1	78.9			
 D6	CEWE_AA_659	1	78.9			
 D7	CEWE_AA_551	0				
 D8	CEWE_AA_551	0				
 D9	CEWE_AA_551	0				
 D10	CEWE_AA_551	1	79.4			
 D11	CEWE_AA_551	1	79.6			
 D12	CEWE_AA_551	1	79.6			
 E1	CEWE_AA_655	0				
 E2	CEWE_AA_655	0				
 E3	CEWE_AA_655	0				
 E4	CEWE_AA_655	1	79.0			
 E5	CEWE_AA_655	1	79.1			
 E6	CEWE_AA_655	1	79.0			
 E7	CEWE_AA_566	0				
 E8	CEWE_AA_566	0				
 E9	CEWE_AA_566	0				
 E10	CEWE_AA_566	1	79.4			
 E11	CEWE_AA_566	1	79.5			
 E12	CEWE_AA_566	1	79.6			
 F1	CEWE_AA_611	1	74.8			
 F2	CEWE_AA_611	1	74.9			
 F3	CEWE_AA_611	0				
 F4	CEWE_AA_611	0				
 F5	CEWE_AA_611	1	78.9			
 F6	CEWE_AA_611	0				
 F7	CEWE_AA_584	0				
 F8	CEWE_AA_584	0				
 F9	CEWE_AA_584	0				
 F10	CEWE_AA_584	1	79.5			
 F11	CEWE_AA_584	1	79.7			
 F12	CEWE_AA_584	1	79.7			
 G1	CEWE_AA_635	1	74.7			
 G2	CEWE_AA_635	1	74.8			
 G3	CEWE_AA_635	1	74.6			
 G4	CEWE_AA_635	1	79.0			

Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
 G5	CEWE_AA_635	1	79.1			
 G6	CEWE_AA_635	1	79.1			
 G7	CEWE_AA_549	0				
 G8	CEWE_AA_549	1	83.6			
 G9	CEWE_AA_549	0				
 G10	CEWE_AA_549	1	79.6			
 G11	CEWE_AA_549	1	79.8			
 G12	CEWE_AA_549	1	79.8			
 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%

