

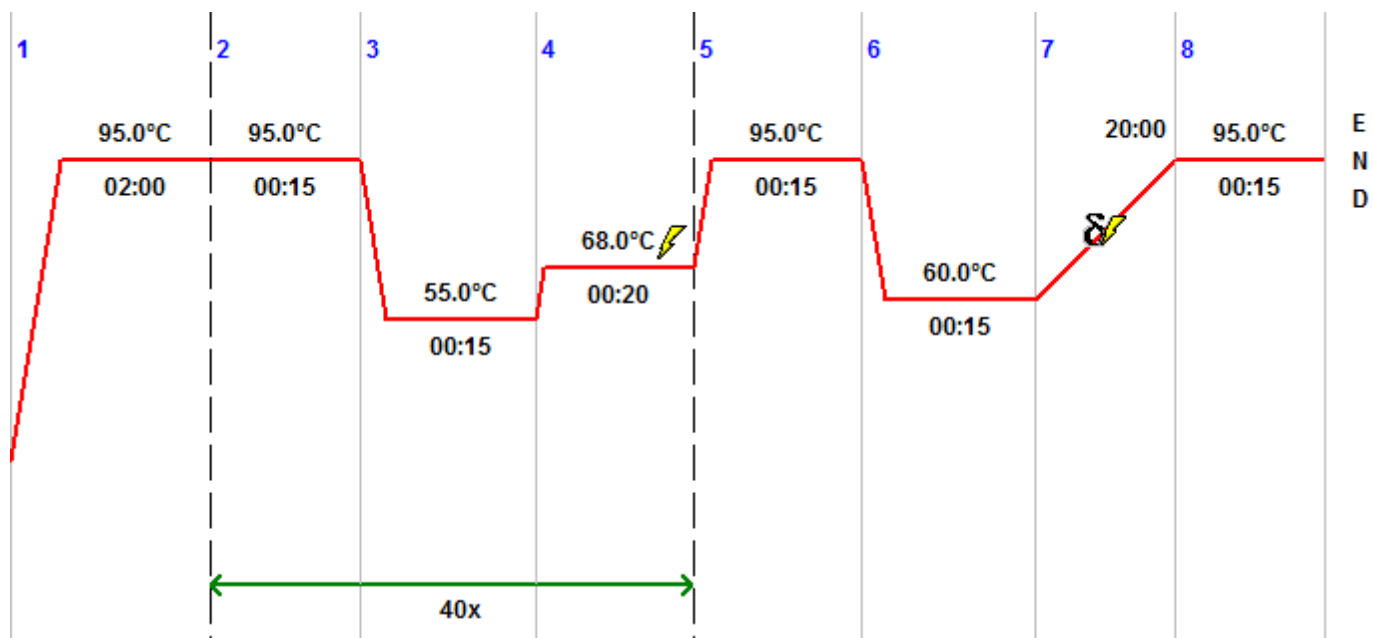
## Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Lorenzo\QPCR15.05.2	
Printed by:	EPPENDORF	
Created:	May/15/2018 11:36	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	May/15/2018 11:40
Acquisition End Time:	EPPENDORF	May/15/2018 13:08
Last updated:	EPPENDORF	Apr/06/2018 12:28
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
QPCR15.05.2018	Quantification	May/15/2018 13:55
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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 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	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00	ILWE_A... 1: 1.00
H	NTC	NTC	NTC	NTC	NTC	NTC	water	water	water	water	water	water

## PCR Program

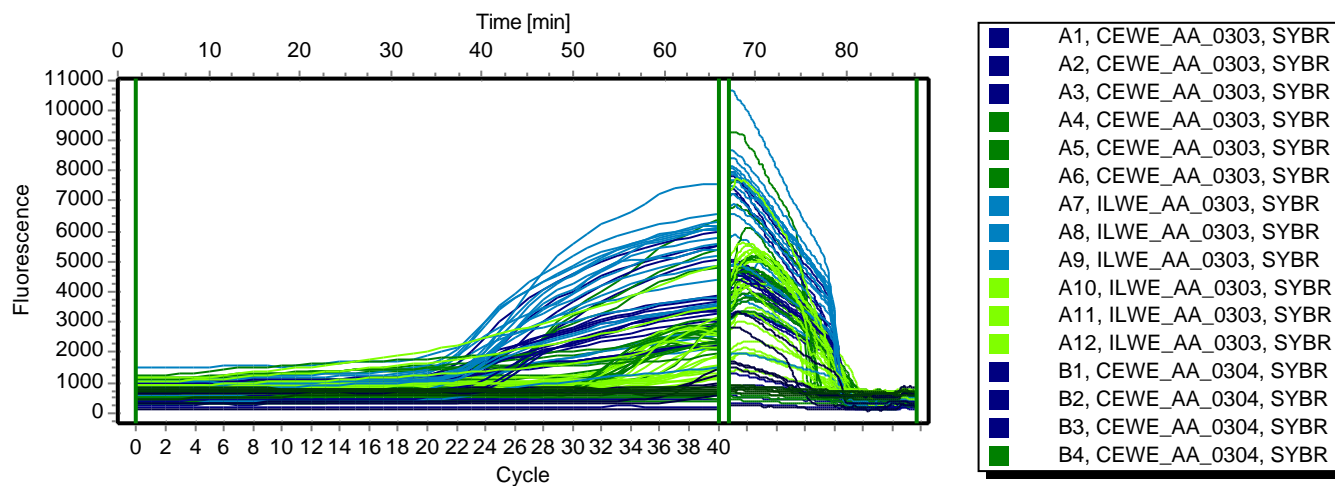


## Program Header

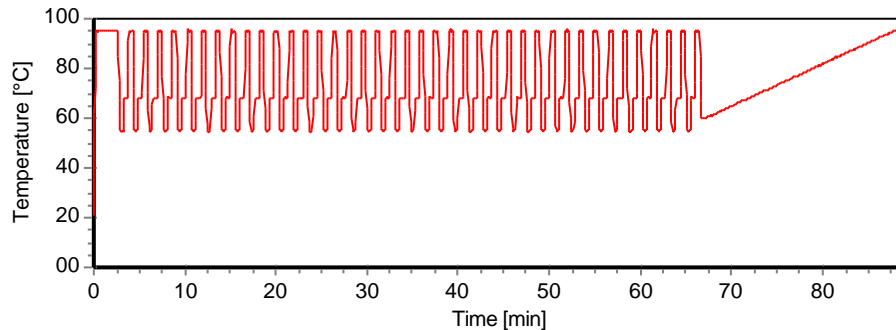
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

## Raw Data SYBR







































































### Fluorescence Profile







































































































### Temperature Profile



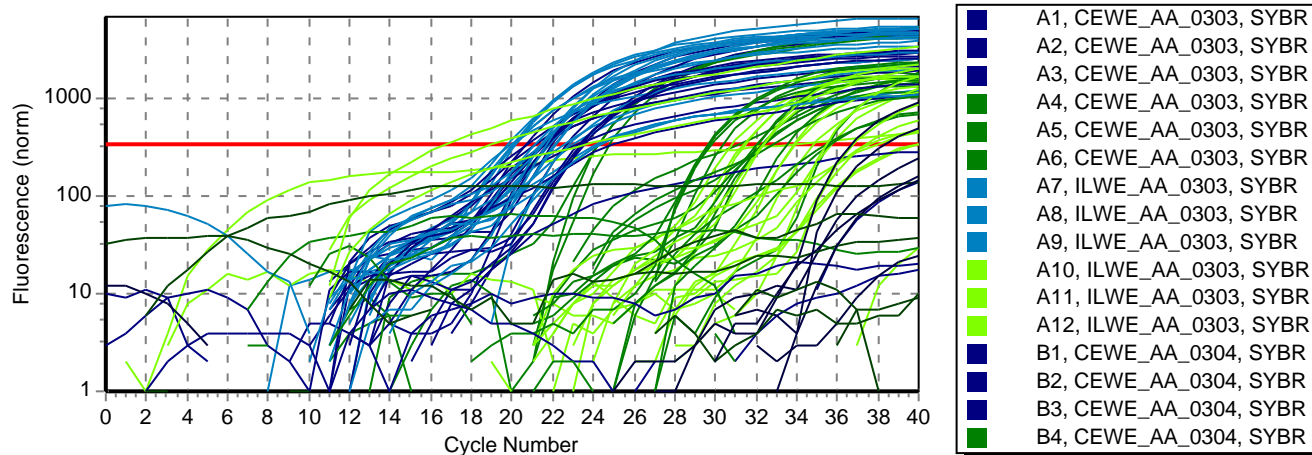
## Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_AA_0303	23.49	22.41	0.94	1.00			mouse
  A2	CEWE_AA_0303	21.98	22.41	0.94	1.00			mouse
  A3	CEWE_AA_0303	21.75	22.41	0.94	1.00			mouse
  A4	CEWE_AA_0303	24.83	24.48	0.30	1.00			eimeria
  A5	CEWE_AA_0303	24.31	24.48	0.30	1.00			eimeria
  A6	CEWE_AA_0303	24.31	24.48	0.30	1.00			eimeria
  A7	ILWE_AA_0303	20.10	20.14	0.08	1.00			mouse
  A8	ILWE_AA_0303	20.22	20.14	0.08	1.00			mouse
  A9	ILWE_AA_0303	20.09	20.14	0.08	1.00			mouse
  A10	ILWE_AA_0303		32.69	1.65	1.00			eimeria
  A11	ILWE_AA_0303	33.86	32.69	1.65	1.00			eimeria
  A12	ILWE_AA_0303	31.53	32.69	1.65	1.00			eimeria
  B1	CEWE_AA_0304	22.70	21.69	1.00	1.00			mouse
  B2	CEWE_AA_0304	20.70	21.69	1.00	1.00			mouse
  B3	CEWE_AA_0304	21.68	21.69	1.00	1.00			mouse
  B4	CEWE_AA_0304	35.64	32.73	2.65	1.00			eimeria
  B5	CEWE_AA_0304	32.08	32.73	2.65	1.00			eimeria
  B6	CEWE_AA_0304	30.46	32.73	2.65	1.00			eimeria
  B7	ILWE_AA_0304	23.09	23.99	0.79	1.00			mouse
  B8	ILWE_AA_0304	24.35	23.99	0.79	1.00			mouse
  B9	ILWE_AA_0304	24.53	23.99	0.79	1.00			mouse
  B10	ILWE_AA_0304	37.73	38.86	1.59	1.00			eimeria
  B11	ILWE_AA_0304	39.98	38.86	1.59	1.00			eimeria
  B12	ILWE_AA_0304		38.86	1.59	1.00			eimeria
  C1	CEWE_AA_0305	20.76	21.16	0.41	1.00			mouse
  C2	CEWE_AA_0305	21.16	21.16	0.41	1.00			mouse
  C3	CEWE_AA_0305	21.58	21.16	0.41	1.00			mouse
  C4	CEWE_AA_0305	31.24	32.01	0.67	1.00			eimeria
  C5	CEWE_AA_0305	32.45	32.01	0.67	1.00			eimeria
  C6	CEWE_AA_0305	32.34	32.01	0.67	1.00			eimeria
  C7	ILWE_AA_0305	21.77	22.06	0.44	1.00			mouse
  C8	ILWE_AA_0305	21.84	22.06	0.44	1.00			mouse
  C9	ILWE_AA_0305	22.57	22.06	0.44	1.00			mouse
  C10	ILWE_AA_0305	34.64	35.10	0.58	1.00			eimeria
  C11	ILWE_AA_0305	35.76	35.10	0.58	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	ILWE_AA_0305	34.90	35.10	0.58	1.00			eimeria
  D1	CEWE_AA_0306	21.78	21.64	0.13	1.00			mouse
  D2	CEWE_AA_0306	21.60	21.64	0.13	1.00			mouse
  D3	CEWE_AA_0306	21.53	21.64	0.13	1.00			mouse
  D4	CEWE_AA_0306	33.60	32.63	0.85	1.00			eimeria
  D5	CEWE_AA_0306	32.00	32.63	0.85	1.00			eimeria
  D6	CEWE_AA_0306	32.31	32.63	0.85	1.00			eimeria
  D7	ILWE_AA_0306	19.82	20.03	0.20	1.00			mouse
  D8	ILWE_AA_0306	20.23	20.03	0.20	1.00			mouse
  D9	ILWE_AA_0306	20.04	20.03	0.20	1.00			mouse
  D10	ILWE_AA_0306	32.36	31.57	0.74	1.00			eimeria
  D11	ILWE_AA_0306	31.44	31.57	0.74	1.00			eimeria
  D12	ILWE_AA_0306	30.89	31.57	0.74	1.00			eimeria
  E1	CEWE_AA_0307	23.30	24.22	1.31	1.00			mouse
  E2	CEWE_AA_0307	25.15	24.22	1.31	1.00			mouse
  E3	CEWE_AA_0307		24.22	1.31	1.00			mouse
  E4	CEWE_AA_0307	32.95	34.73	1.54	1.00			eimeria
  E5	CEWE_AA_0307	35.51	34.73	1.54	1.00			eimeria
  E6	CEWE_AA_0307	35.72	34.73	1.54	1.00			eimeria
  E7	ILWE_AA_0307	22.17	22.40	0.41	1.00			mouse
  E8	ILWE_AA_0307	22.14	22.40	0.41	1.00			mouse
  E9	ILWE_AA_0307	22.87	22.40	0.41	1.00			mouse
  E10	ILWE_AA_0307	38.00	36.50	2.21	1.00			eimeria
  E11	ILWE_AA_0307	37.52	36.50	2.21	1.00			eimeria
  E12	ILWE_AA_0307	33.96	36.50	2.21	1.00			eimeria
  F1	CEWE_AA_0308	23.59	23.46	0.12	1.00			mouse
  F2	CEWE_AA_0308	23.44	23.46	0.12	1.00			mouse
  F3	CEWE_AA_0308	23.36	23.46	0.12	1.00			mouse
  F4	CEWE_AA_0308	29.79	29.78	0.07	1.00			eimeria
  F5	CEWE_AA_0308	29.71	29.78	0.07	1.00			eimeria
  F6	CEWE_AA_0308	29.84	29.78	0.07	1.00			eimeria
  F7	ILWE_AA_0308	21.69	21.43	0.27	1.00			mouse
  F8	ILWE_AA_0308	21.46	21.43	0.27	1.00			mouse
  F9	ILWE_AA_0308	21.14	21.43	0.27	1.00			mouse
  F10	ILWE_AA_0308	36.88	34.93	2.31	1.00			eimeria
  F11	ILWE_AA_0308	35.53	34.93	2.31	1.00			eimeria
  F12	ILWE_AA_0308	32.38	34.93	2.31	1.00			eimeria
  G1	CEWE_AA_0309				1.00			mouse
  G2	CEWE_AA_0309				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_AA_0309				1.00			mouse
 G4	CEWE_AA_0309				1.00			eimeria
 G5	CEWE_AA_0309				1.00			eimeria
 G6	CEWE_AA_0309				1.00			eimeria
 G7	ILWE_AA_0309	21.44	22.50	1.78	1.00			mouse
 G8	ILWE_AA_0309	21.50	22.50	1.78	1.00			mouse
 G9	ILWE_AA_0309	24.54	22.50	1.78	1.00			mouse
 G10	ILWE_AA_0309	16.88	19.96	3.52	1.00			eimeria
 G11	ILWE_AA_0309	19.20	19.96	3.52	1.00			eimeria
 G12	ILWE_AA_0309	23.80	19.96	3.52	1.00			eimeria
 H1	NTC	36.75			-			mouse
 H2	NTC	-			-			mouse
 H3	NTC	-			-			mouse
 H4	NTC	-			-			eimeria
 H5	NTC	-			-			eimeria
 H6	NTC	-			-			eimeria
 H7	water	-			-			mouse
 H8	water	-			-			mouse
 H9	water	38.37			-			mouse
 H10	water	-			-			eimeria
 H11	water	-			-			eimeria
 H12	water	-			-			eimeria

## Amplification Plot



## Standard curve



Slope - R<sup>2</sup> -

Y-Intercept - Efficiency -