

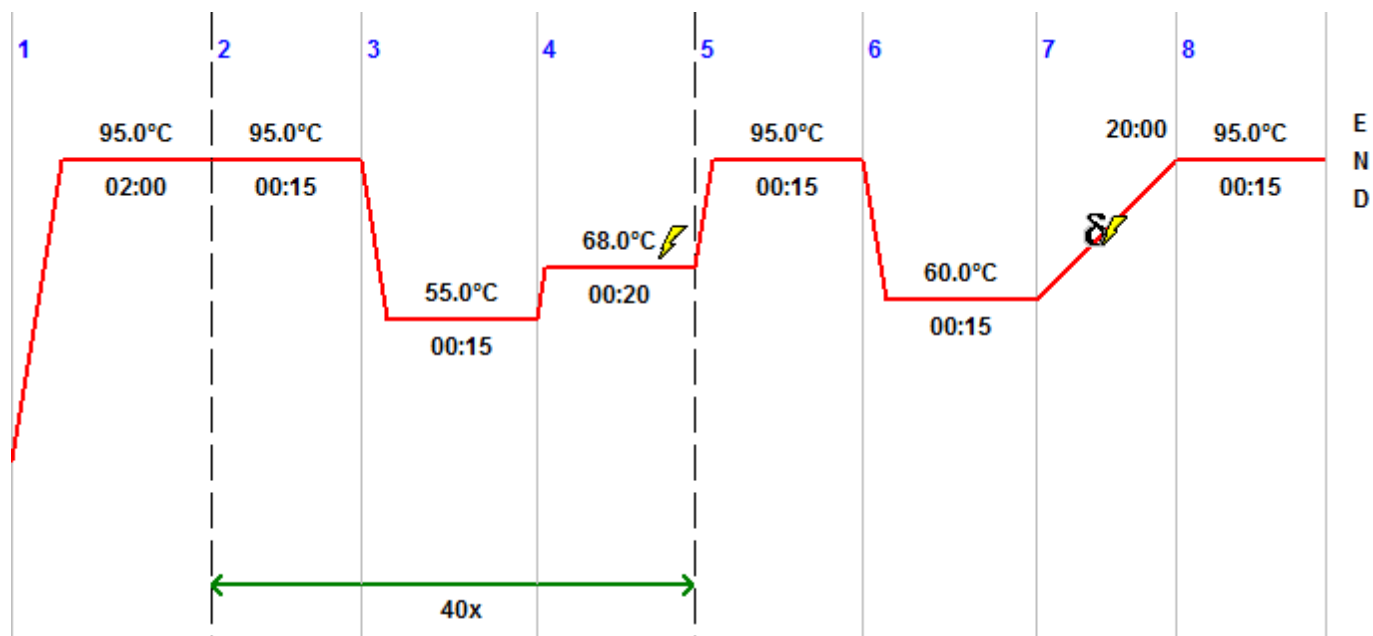
## Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Lorenzo\QPCR08.06.2	
Printed by:	EPPENDORF	
Created:	Jun/08/2018 09:55	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	Jun/08/2018 09:59
Acquisition End Time:	EPPENDORF	Jun/08/2018 11:26
Last updated:	EPPENDORF	Apr/06/2018 12:28
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
QPCR08.06.2018	Quantification	Jun/08/2018 11:29
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

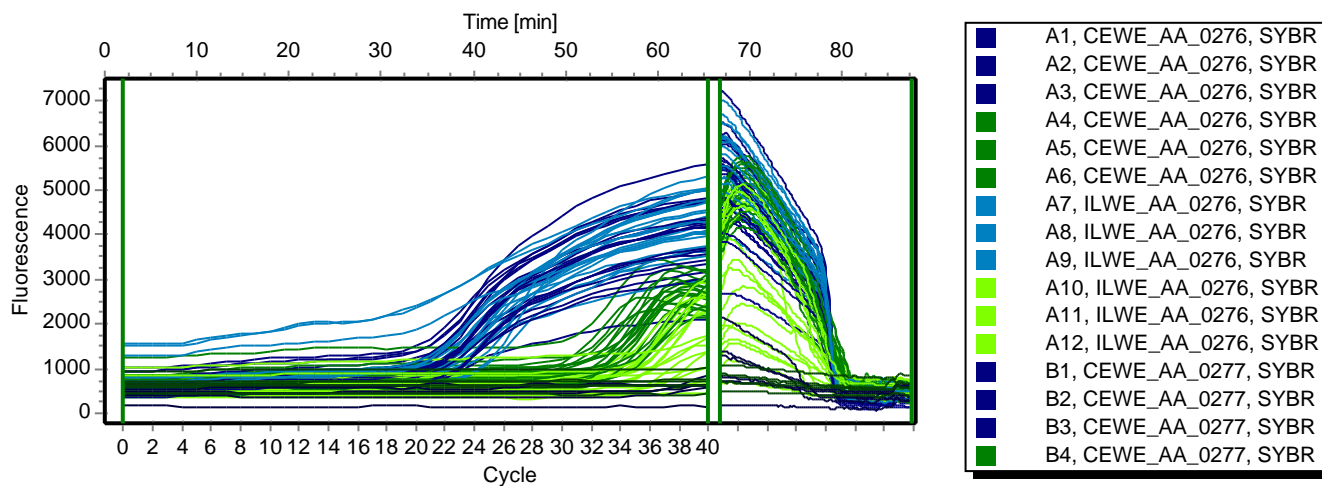


## Program Header

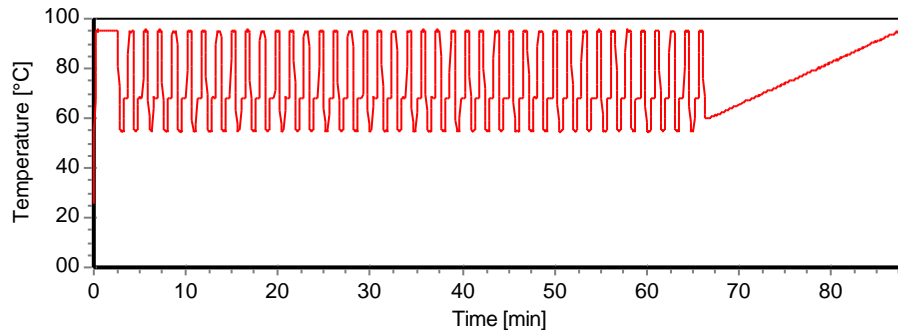
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

## Raw Data SYBR







































































### Fluorescence Profile







































































































### Temperature Profile



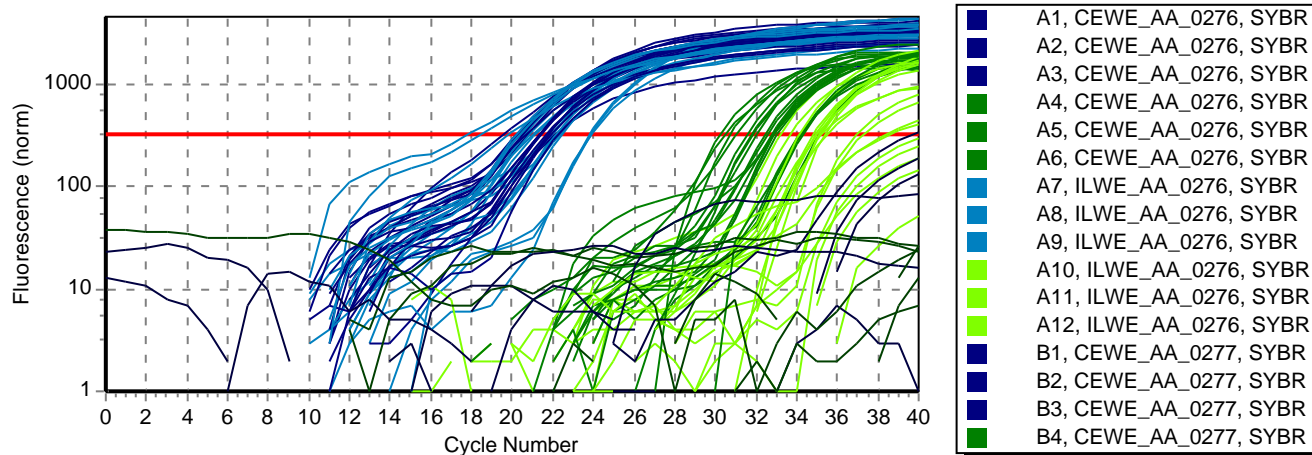
## Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_AA_0276	20.32	20.34	0.08	1.00			mouse
  A2	CEWE_AA_0276	20.42	20.34	0.08	1.00			mouse
  A3	CEWE_AA_0276	20.27	20.34	0.08	1.00			mouse
  A4	CEWE_AA_0276	32.56	31.40	1.04	1.00			eimeria
  A5	CEWE_AA_0276	31.07	31.40	1.04	1.00			eimeria
  A6	CEWE_AA_0276	30.58	31.40	1.04	1.00			eimeria
  A7	ILWE_AA_0276	22.03	21.60	0.53	1.00			mouse
  A8	ILWE_AA_0276	21.78	21.60	0.53	1.00			mouse
  A9	ILWE_AA_0276	21.01	21.60	0.53	1.00			mouse
  A10	ILWE_AA_0276	33.20	34.24	1.02	1.00			eimeria
  A11	ILWE_AA_0276	35.23	34.24	1.02	1.00			eimeria
  A12	ILWE_AA_0276	34.28	34.24	1.02	1.00			eimeria
  B1	CEWE_AA_0277	20.79	20.94	0.39	1.00			mouse
  B2	CEWE_AA_0277	20.64	20.94	0.39	1.00			mouse
  B3	CEWE_AA_0277	21.38	20.94	0.39	1.00			mouse
  B4	CEWE_AA_0277	35.14	34.08	1.20	1.00			eimeria
  B5	CEWE_AA_0277	34.33	34.08	1.20	1.00			eimeria
  B6	CEWE_AA_0277	32.77	34.08	1.20	1.00			eimeria
  B7	ILWE_AA_0277	20.67	20.91	0.25	1.00			mouse
  B8	ILWE_AA_0277	20.89	20.91	0.25	1.00			mouse
  B9	ILWE_AA_0277	21.17	20.91	0.25	1.00			mouse
  B10	ILWE_AA_0277	37.39	36.18	1.70	1.00			eimeria
  B11	ILWE_AA_0277		36.18	1.70	1.00			eimeria
  B12	ILWE_AA_0277	34.98	36.18	1.70	1.00			eimeria
  C1	CEWE_AA_0278	20.53	21.02	0.99	1.00			mouse
  C2	CEWE_AA_0278	20.38	21.02	0.99	1.00			mouse
  C3	CEWE_AA_0278	22.16	21.02	0.99	1.00			mouse
  C4	CEWE_AA_0278	33.02	31.89	1.11	1.00			eimeria
  C5	CEWE_AA_0278	31.86	31.89	1.11	1.00			eimeria
  C6	CEWE_AA_0278	30.79	31.89	1.11	1.00			eimeria
  C7	ILWE_AA_0278	21.91	22.27	0.31	1.00			mouse
  C8	ILWE_AA_0278	22.50	22.27	0.31	1.00			mouse
  C9	ILWE_AA_0278	22.39	22.27	0.31	1.00			mouse
  C10	ILWE_AA_0278	35.04	36.02	1.38	1.00			eimeria
  C11	ILWE_AA_0278		36.02	1.38	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_0278	37.00	36.02	1.38	1.00			eimeria
  D1	CEWE_AA_0279	19.64	20.27	0.57	1.00			mouse
  D2	CEWE_AA_0279	20.42	20.27	0.57	1.00			mouse
  D3	CEWE_AA_0279	20.75	20.27	0.57	1.00			mouse
  D4	CEWE_AA_0279	32.91	32.01	1.50	1.00			eimeria
  D5	CEWE_AA_0279	32.85	32.01	1.50	1.00			eimeria
  D6	CEWE_AA_0279	30.28	32.01	1.50	1.00			eimeria
  D7	ILWE_AA_0279	21.91	22.10	0.17	1.00			mouse
  D8	ILWE_AA_0279	22.18	22.10	0.17	1.00			mouse
  D9	ILWE_AA_0279	22.21	22.10	0.17	1.00			mouse
  D10	ILWE_AA_0279				1.00			eimeria
  D11	ILWE_AA_0279				1.00			eimeria
  D12	ILWE_AA_0279	35.25			1.00			eimeria
  E1	CEWE_AA_0280	21.38	21.50	0.18	1.00			mouse
  E2	CEWE_AA_0280	21.42	21.50	0.18	1.00			mouse
  E3	CEWE_AA_0280	21.71	21.50	0.18	1.00			mouse
  E4	CEWE_AA_0280	32.88	33.76	0.76	1.00			eimeria
  E5	CEWE_AA_0280	34.24	33.76	0.76	1.00			eimeria
  E6	CEWE_AA_0280	34.17	33.76	0.76	1.00			eimeria
  E7	ILWE_AA_0280	23.89	23.88	0.04	1.00			mouse
  E8	ILWE_AA_0280	23.84	23.88	0.04	1.00			mouse
  E9	ILWE_AA_0280	23.92	23.88	0.04	1.00			mouse
  E10	ILWE_AA_0280	35.44	35.39	0.20	1.00			eimeria
  E11	ILWE_AA_0280	35.56	35.39	0.20	1.00			eimeria
  E12	ILWE_AA_0280	35.18	35.39	0.20	1.00			eimeria
  F1	CEWE_AA_0281	21.80	21.97	0.26	1.00			mouse
  F2	CEWE_AA_0281	21.84	21.97	0.26	1.00			mouse
  F3	CEWE_AA_0281	22.27	21.97	0.26	1.00			mouse
  F4	CEWE_AA_0281	32.45	32.37	0.55	1.00			eimeria
  F5	CEWE_AA_0281	32.87	32.37	0.55	1.00			eimeria
  F6	CEWE_AA_0281	31.79	32.37	0.55	1.00			eimeria
  F7	ILWE_AA_0281	18.51	18.79	1.02	1.00			mouse
  F8	ILWE_AA_0281	17.93	18.79	1.02	1.00			mouse
  F9	ILWE_AA_0281	19.92	18.79	1.02	1.00			mouse
  F10	ILWE_AA_0281	38.64	36.92	2.79	1.00			eimeria
  F11	ILWE_AA_0281	38.43	36.92	2.79	1.00			eimeria
  F12	ILWE_AA_0281	33.70	36.92	2.79	1.00			eimeria
  G1	CEWE_AA_0282	21.36	21.54	0.33	1.00			mouse
  G2	CEWE_AA_0282	21.35	21.54	0.33	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_0282	21.93	21.54	0.33	1.00			mouse
 G4	CEWE_AA_0282	34.24	32.61	1.43	1.00			eimeria
 G5	CEWE_AA_0282	31.58	32.61	1.43	1.00			eimeria
 G6	CEWE_AA_0282	32.00	32.61	1.43	1.00			eimeria
 G7	ILWE_AA_0282	20.45	20.40	0.08	1.00			mouse
 G8	ILWE_AA_0282	20.30	20.40	0.08	1.00			mouse
 G9	ILWE_AA_0282	20.43	20.40	0.08	1.00			mouse
 G10	ILWE_AA_0282	34.85	34.51	0.48	1.00			eimeria
 G11	ILWE_AA_0282		34.51	0.48	1.00			eimeria
 G12	ILWE_AA_0282	34.17	34.51	0.48	1.00			eimeria
 H1	NTC	39.75			-			mouse
 H2	NTC	-			-			mouse
 H3	NTC	-			-			mouse
 H4	NTC	-			-			eimeria
 H5	NTC	-			-			eimeria
 H6	NTC	-			-			eimeria
 H7	water	-			-			mouse
 H8	water	-			-			mouse
 H9	water	-			-			mouse
 H10	water	-			-			eimeria
 H11	water	-			-			eimeria
 H12	water	-			-			eimeria

## Amplification Plot



## Standard curve



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

Y-Intercept - Efficiency -