

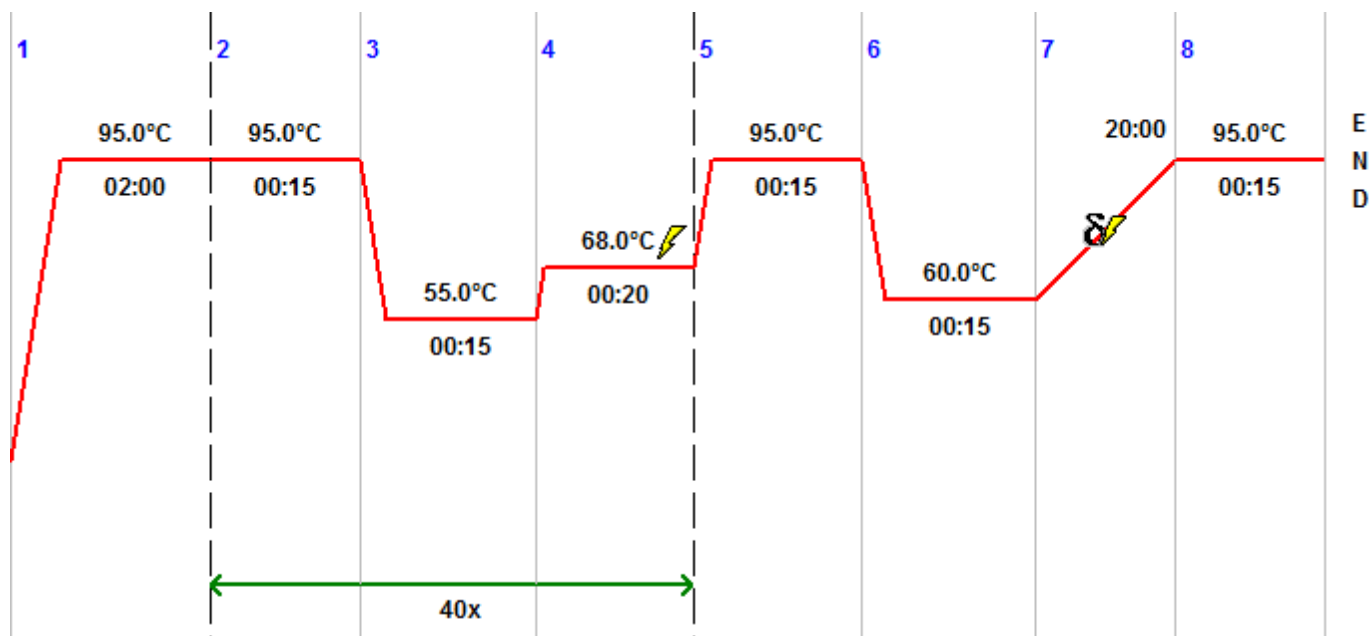
## Document information

Software:	realplex 2.2	
File Name:	EPPENDORF\Lorenzo\QPCR25.05.2	
Printed by:	EPPENDORF	
Created:	May/25/2018 10:55	
Serial No. Thermo Module:	6325 30387	
Serial No. realplex Module.:	630011465	
Acquisition Start Time:	EPPENDORF	May/25/2018 10:59
Acquisition End Time:	EPPENDORF	May/25/2018 12:27
Last updated:	EPPENDORF	Apr/06/2018 12:28
Background:	Sarstedt-20µl	Sep/12/2011 10:28
Color Calibration:	SYBR	Mar/12/2018 15:31
QPCR25.05.2018	Quantification	May/25/2018 12:33
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

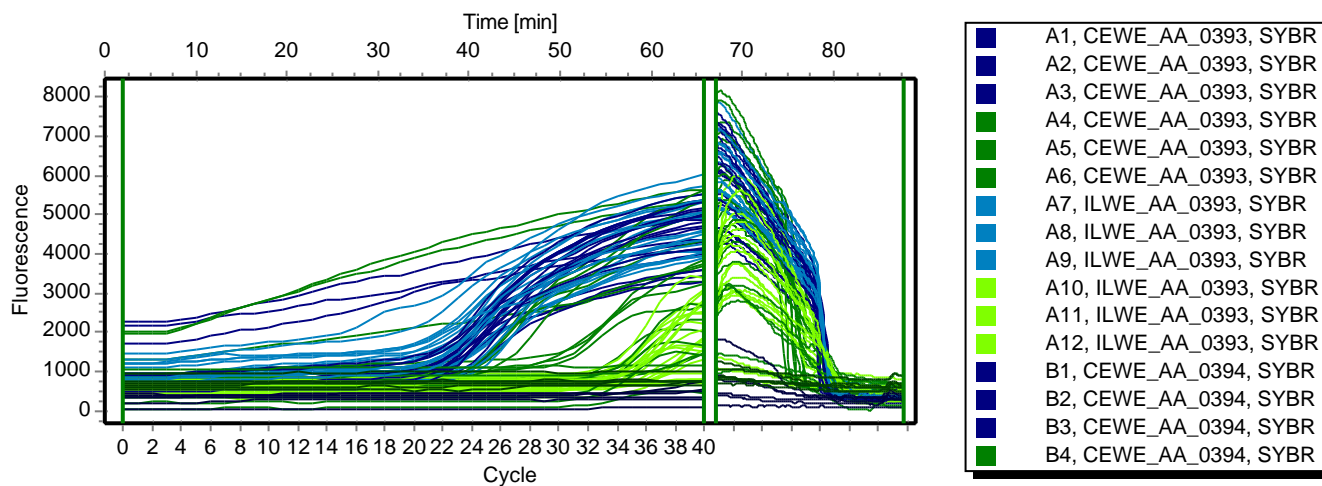


## Program Header

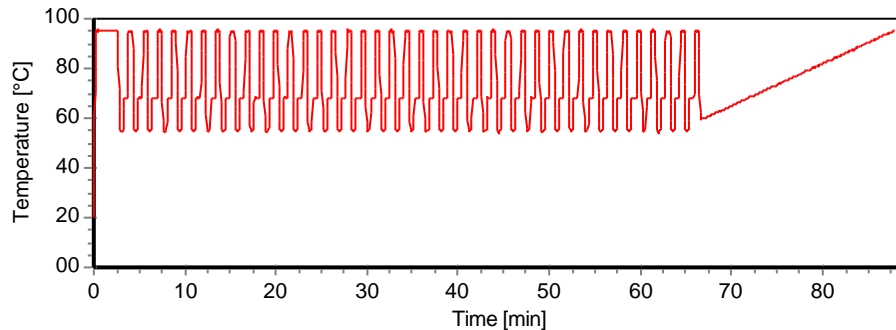
Lid Temp	105 °C	TSP Heated Lid	Yes
Temp. Mode	Standard	Switch off lid at low block temp	No
Impulse	No	Simulate Mastercycler gradient	No

## Raw Data SYBR







































































### Fluorescence Profile







































































































### Temperature Profile



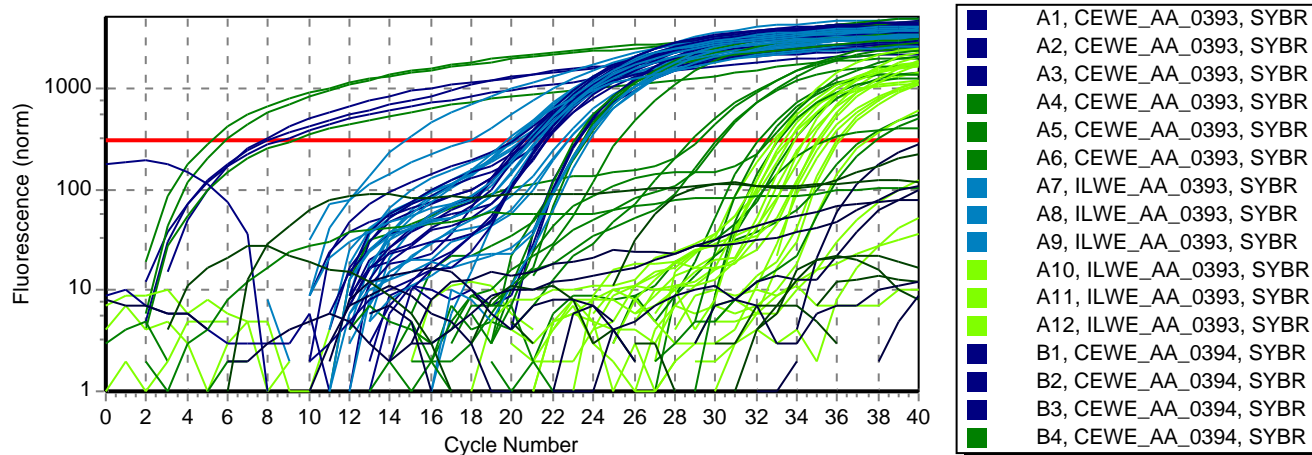
## Quantification SYBR

Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
  A1	CEWE_AA_0393	7.91	8.09	0.48	1.00			mouse
  A2	CEWE_AA_0393	7.72	8.09	0.48	1.00			mouse
  A3	CEWE_AA_0393	8.63	8.09	0.48	1.00			mouse
  A4	CEWE_AA_0393	5.91	6.74	2.11	1.00			eimeria
  A5	CEWE_AA_0393	5.18	6.74	2.11	1.00			eimeria
  A6	CEWE_AA_0393	9.14	6.74	2.11	1.00			eimeria
  A7	ILWE_AA_0393	20.62	20.45	0.18	1.00			mouse
  A8	ILWE_AA_0393	20.27	20.45	0.18	1.00			mouse
  A9	ILWE_AA_0393	20.45	20.45	0.18	1.00			mouse
  A10	ILWE_AA_0393	33.64	34.82	1.67	1.00			eimeria
  A11	ILWE_AA_0393		34.82	1.67	1.00			eimeria
  A12	ILWE_AA_0393	36.00	34.82	1.67	1.00			eimeria
  B1	CEWE_AA_0394	20.84	20.81	0.04	1.00			mouse
  B2	CEWE_AA_0394	20.77	20.81	0.04	1.00			mouse
  B3	CEWE_AA_0394	20.83	20.81	0.04	1.00			mouse
  B4	CEWE_AA_0394	30.27	29.85	0.56	1.00			eimeria
  B5	CEWE_AA_0394	29.21	29.85	0.56	1.00			eimeria
  B6	CEWE_AA_0394	30.07	29.85	0.56	1.00			eimeria
  B7	ILWE_AA_0394	20.02	20.01	0.08	1.00			mouse
  B8	ILWE_AA_0394	20.09	20.01	0.08	1.00			mouse
  B9	ILWE_AA_0394	19.93	20.01	0.08	1.00			mouse
  B10	ILWE_AA_0394				1.00			eimeria
  B11	ILWE_AA_0394				1.00			eimeria
  B12	ILWE_AA_0394	33.57			1.00			eimeria
  C1	CEWE_AA_0395	21.65	21.65	0.03	1.00			mouse
  C2	CEWE_AA_0395	21.62	21.65	0.03	1.00			mouse
  C3	CEWE_AA_0395	21.67	21.65	0.03	1.00			mouse
  C4	CEWE_AA_0395	37.30	34.42	2.65	1.00			eimeria
  C5	CEWE_AA_0395	33.87	34.42	2.65	1.00			eimeria
  C6	CEWE_AA_0395	32.09	34.42	2.65	1.00			eimeria
  C7	ILWE_AA_0395	20.82	21.08	0.30	1.00			mouse
  C8	ILWE_AA_0395	21.40	21.08	0.30	1.00			mouse
  C9	ILWE_AA_0395	21.01	21.08	0.30	1.00			mouse
  C10	ILWE_AA_0395	34.69	33.63	0.96	1.00			eimeria
  C11	ILWE_AA_0395	33.35	33.63	0.96	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_0395	32.83	33.63	0.96	1.00			eimeria
  D1	CEWE_AA_0396	20.84	20.65	0.17	1.00			mouse
  D2	CEWE_AA_0396	20.62	20.65	0.17	1.00			mouse
  D3	CEWE_AA_0396	20.50	20.65	0.17	1.00			mouse
  D4	CEWE_AA_0396	28.84	25.33	3.04	1.00			eimeria
  D5	CEWE_AA_0396	23.63	25.33	3.04	1.00			eimeria
  D6	CEWE_AA_0396	23.52	25.33	3.04	1.00			eimeria
  D7	ILWE_AA_0396	22.44	22.64	0.18	1.00			mouse
  D8	ILWE_AA_0396	22.77	22.64	0.18	1.00			mouse
  D9	ILWE_AA_0396	22.71	22.64	0.18	1.00			mouse
  D10	ILWE_AA_0396		35.51	0.18	1.00			eimeria
  D11	ILWE_AA_0396	35.38	35.51	0.18	1.00			eimeria
  D12	ILWE_AA_0396	35.64	35.51	0.18	1.00			eimeria
  E1	CEWE_AA_0397	23.26	23.22	0.03	1.00			mouse
  E2	CEWE_AA_0397	23.21	23.22	0.03	1.00			mouse
  E3	CEWE_AA_0397	23.20	23.22	0.03	1.00			mouse
  E4	CEWE_AA_0397	25.22	23.92	1.15	1.00			eimeria
  E5	CEWE_AA_0397	23.49	23.92	1.15	1.00			eimeria
  E6	CEWE_AA_0397	23.05	23.92	1.15	1.00			eimeria
  E7	ILWE_AA_0397	23.79	23.64	0.14	1.00			mouse
  E8	ILWE_AA_0397	23.54	23.64	0.14	1.00			mouse
  E9	ILWE_AA_0397	23.59	23.64	0.14	1.00			mouse
  E10	ILWE_AA_0397	34.39	36.00	1.54	1.00			eimeria
  E11	ILWE_AA_0397	37.47	36.00	1.54	1.00			eimeria
  E12	ILWE_AA_0397	36.15	36.00	1.54	1.00			eimeria
  F1	CEWE_AA_0398	21.40	20.81	0.69	1.00			mouse
  F2	CEWE_AA_0398	20.97	20.81	0.69	1.00			mouse
  F3	CEWE_AA_0398	20.05	20.81	0.69	1.00			mouse
  F4	CEWE_AA_0398	32.50	33.69	1.62	1.00			eimeria
  F5	CEWE_AA_0398	33.03	33.69	1.62	1.00			eimeria
  F6	CEWE_AA_0398	35.53	33.69	1.62	1.00			eimeria
  F7	ILWE_AA_0398	14.74	17.46	2.54	1.00			mouse
  F8	ILWE_AA_0398	17.87	17.46	2.54	1.00			mouse
  F9	ILWE_AA_0398	19.77	17.46	2.54	1.00			mouse
  F10	ILWE_AA_0398	35.11	33.71	1.21	1.00			eimeria
  F11	ILWE_AA_0398	33.01	33.71	1.21	1.00			eimeria
  F12	ILWE_AA_0398	33.02	33.71	1.21	1.00			eimeria
  G1	CEWE_AA_0399	21.39	21.44	0.05	1.00			mouse
  G2	CEWE_AA_0399	21.48	21.44	0.05	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_0399	21.44	21.44	0.05	1.00			mouse
 G4	CEWE_AA_0399		35.24	3.71	1.00			eimeria
 G5	CEWE_AA_0399	37.86	35.24	3.71	1.00			eimeria
 G6	CEWE_AA_0399	32.61	35.24	3.71	1.00			eimeria
 G7	ILWE_AA_0399	21.25	21.11	0.20	1.00			mouse
 G8	ILWE_AA_0399	20.89	21.11	0.20	1.00			mouse
 G9	ILWE_AA_0399	21.19	21.11	0.20	1.00			mouse
 G10	ILWE_AA_0399	34.38	34.43	0.56	1.00			eimeria
 G11	ILWE_AA_0399	35.02	34.43	0.56	1.00			eimeria
 G12	ILWE_AA_0399	33.89	34.43	0.56	1.00			eimeria
 H1	NTC	-			-			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 -