



## **Document information**

Software: realplex 2.2

File Name: EPPENDORF\Lorenzo\QPCR20.06.2

Printed by: EPPENDORF
Created: Jun/20/2018 12:43

Serial No. Thermo Module: 6325 30387 Serial No. realplex Module.: 630011465

Acquisition Start Time: EPPENDORF Jun/20/2018 12:44
Acquisition End Time: EPPENDORF Jun/20/2018 14:12
Last updated: EPPENDORF Apr/06/2018 12:28

Background: Sarstedt-20µl Sep/12/2011 10:28 Color Calibration: SYBR Mar/12/2018 15:31

QPCR20.06.2018part2 Quantification Jun/20/2018 14:13

Inverted Data: OFF

Comment:

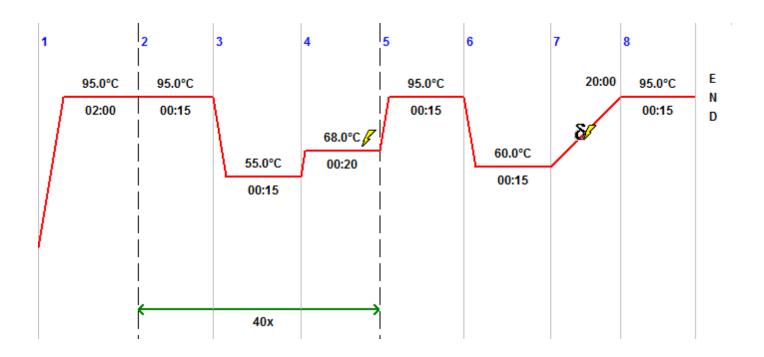


# **Plate layout**

	1	2	3	4	5	6	7	8	9	10	11	12
A	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
В	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
С	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
D	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
E	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
F	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
G	CEWE											
	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00	1: 1.00
Н	NTC	NTC	NTC	NTC	NTC	NTC	water	water	water	water	water	water



# **PCR Program**



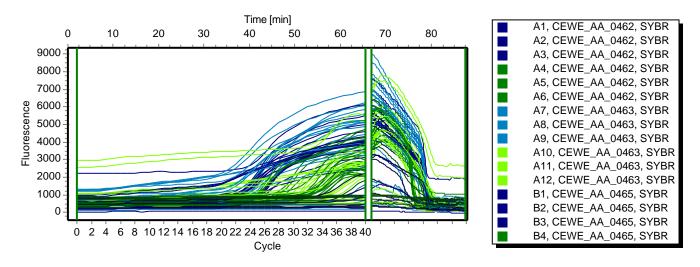
## **Program Header**

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

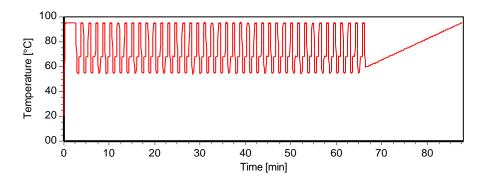


#### **Raw Data SYBR**

#### 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
<u></u> ■ A1	CEWE_AA_0462	22.38	21.85	0.88	1.00			mouse
<b>!</b> ■ A2	CEWE_AA_0462	22.35	21.85	0.88	1.00			mouse
<b>!</b> ■ A3	CEWE_AA_0462	20.83	21.85	0.88	1.00			mouse
<b>!</b>	CEWE_AA_0462	32.28	31.97	0.74	1.00			eimeria
<b>!</b> ■ A5	CEWE_AA_0462	31.13	31.97	0.74	1.00			eimeria
<b>!</b> ■ A6	CEWE_AA_0462	32.50	31.97	0.74	1.00			eimeria
<b>!</b>	CEWE_AA_0463	22.43	22.72	0.28	1.00			mouse
<b>!</b> ■ A8	CEWE_AA_0463	22.77	22.72	0.28	1.00			mouse
<b>!</b>	CEWE_AA_0463	22.98	22.72	0.28	1.00			mouse
<b>!</b>	CEWE_AA_0463	35.33	35.24	0.59	1.00			eimeria
<b>!</b>	CEWE_AA_0463	34.61	35.24	0.59	1.00			eimeria
<b>!</b>	CEWE_AA_0463	35.78	35.24	0.59	1.00			eimeria
<b>!</b> ■ B1	CEWE_AA_0465	24.11	24.35	0.33	1.00			mouse
<b>!</b> ■ B2	CEWE_AA_0465	24.21	24.35	0.33	1.00			mouse
<b>!</b> ■ B3	CEWE_AA_0465	24.72	24.35	0.33	1.00			mouse
<b>!</b> ■ B4	CEWE_AA_0465	26.86	27.19	0.32	1.00			eimeria
<b>!</b> ■ B5	CEWE_AA_0465	27.50	27.19	0.32	1.00			eimeria
<b>!</b> ■ B6	CEWE_AA_0465	27.21	27.19	0.32	1.00			eimeria
<b>!</b>	CEWE_AA_04666	21.90	22.76	0.79	1.00			mouse
<b>!</b> ■ B8	CEWE_AA_04666	22.92	22.76	0.79	1.00			mouse
<b>!</b> ■B9	CEWE_AA_04666	23.45	22.76	0.79	1.00			mouse
<b>!</b> ■ B10	CEWE_AA_0466	33.32	33.16	1.45	1.00			eimeria
<b>!</b>	CEWE_AA_0466	31.65	33.16	1.45	1.00			eimeria
<b>!</b> ■ B12	CEWE_AA_0466	34.52	33.16	1.45	1.00			eimeria
<b>!</b>	CEWE_AA_0467	37.29			1.00			mouse
<b>!</b>	CEWE_AA_0467				1.00			mouse
<b>i</b>	CEWE_AA_0467				1.00			mouse
<b>!</b>	CEWE_AA_0467	33.42	32.47	1.29	1.00			eimeria
<b>!</b>	CEWE_AA_0467	31.00	32.47	1.29	1.00			eimeria
i∏ C6	CEWE_AA_0467	33.00	32.47	1.29	1.00			eimeria
<b>!</b>	CEWE_AA_0469	23.90	24.02	0.11	1.00			mouse
<b>i</b>	CEWE_AA_0469	24.12	24.02	0.11	1.00			mouse
<b>i</b>	CEWE_AA_0469	24.06	24.02	0.11	1.00			mouse
<b>!</b> ☐ C10	CEWE_AA_0469	28.52	29.02	0.45	1.00			eimeria
! <b>∏</b>	CEWE_AA_0469	29.37	29.02	0.45	1.00			eimeria



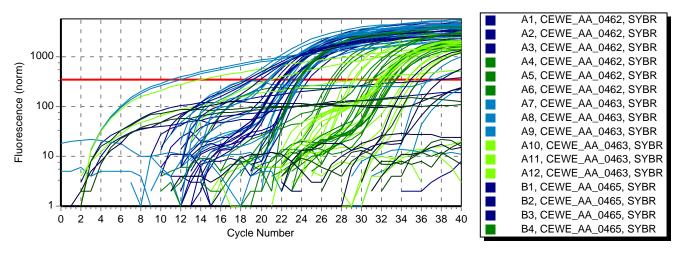
Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
C12	CEWE_AA_0469	29.16	29.02	0.45	1.00			eimeria
. □ D1	CEWE_AA_0471	21.81	22.21	0.51	1.00			mouse
	CEWE_AA_0471	22.02	22.21	0.51	1.00			mouse
<b>!</b> ■ D3	CEWE_AA_0471	22.78	22.21	0.51	1.00			mouse
<b>!</b> ■ D4	CEWE_AA_0471	32.85	33.23	0.33	1.00			eimeria
<b>!</b> ■ D5	CEWE_AA_0471	33.38	33.23	0.33	1.00			eimeria
<b>i</b> ■ D6	CEWE_AA_0471	33.46	33.23	0.33	1.00			eimeria
<b>!</b>	CEWE_AA_0470	36.66	36.88	0.31	1.00			mouse
<b>!</b> ■ D8	CEWE_AA_0470		36.88	0.31	1.00			mouse
<b>!</b> ■ D9	CEWE_AA_0470	37.10	36.88	0.31	1.00			mouse
<b>!</b>	CEWE_AA_0470				1.00			eimeria
<b>!</b> ☐ D11	CEWE_AA_0470				1.00			eimeria
<b>!</b>	CEWE_AA_0470				1.00			eimeria
! <b></b> ■ E1	CEWE_AA_0490	21.43	21.79	0.32	1.00			mouse
! <b>■</b> E2	CEWE_AA_0490	21.94	21.79	0.32	1.00			mouse
! <b>■</b> E3	CEWE_AA_0490	22.01	21.79	0.32	1.00			mouse
<b>!</b> ■ E4	CEWE_AA_0490	32.08	32.13	0.05	1.00			eimeria
! <b>■</b> E5	CEWE_AA_0490	32.13	32.13	0.05	1.00			eimeria
<b>!</b> ■ E6	CEWE_AA_0490	32.19	32.13	0.05	1.00			eimeria
! <b>■ E</b> 7	CEWE_AA_0489	11.09	11.50	0.58	1.00			mouse
<b>!</b> ■ E8	CEWE_AA_0489	11.91	11.50	0.58	1.00			mouse
<b>!</b> ■ E9	CEWE_AA_0489		11.50	0.58	1.00			mouse
<b>!</b>	CEWE_AA_0489	29.54	21.54	7.76	1.00			eimeria
! <b></b>	CEWE_AA_0489	14.03	21.54	7.76	1.00			eimeria
! <b></b> ■E12	CEWE_AA_0489	21.04	21.54	7.76	1.00			eimeria
! <b>∐</b> ■F1	CEWE_AA_0497	23.69	23.54	0.23	1.00			mouse
<b>!</b>	CEWE_AA_0497	23.65	23.54	0.23	1.00			mouse
<b>!</b>	CEWE_AA_0497	23.27	23.54	0.23	1.00			mouse
<b>!</b>	CEWE_AA_0497	23.73	23.72	0.02	1.00			eimeria
! <b></b>	CEWE_AA_0497	23.71	23.72	0.02	1.00			eimeria
! <b></b> ■ F6	CEWE_AA_0497	23.70	23.72	0.02	1.00			eimeria
! <b> </b>	CEWE_AA_0491	18.32	18.92	0.52	1.00			mouse
<b>!</b>	CEWE_AA_0491	19.28	18.92	0.52	1.00			mouse
<b>!</b>	CEWE_AA_0491	19.17	18.92	0.52	1.00			mouse
<b>!</b>	CEWE_AA_0491	31.79	32.00	0.22	1.00			eimeria
<b>!</b>	CEWE_AA_0491	31.99	32.00	0.22	1.00			eimeria
<b>!</b>	CEWE_AA_0491	32.24	32.00	0.22	1.00			eimeria
! <b> G</b> 1	CEWE_AA_0499	18.65	19.24	0.63	1.00			mouse
! <b>∏ G</b> 2	CEWE_AA_0499	19.91	19.24	0.63	1.00			mouse



Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
<b>!</b> ■ G3	CEWE_AA_0499	19.15	19.24	0.63	1.00			mouse
<b>!</b>	CEWE_AA_0499	30.56	30.58	0.61	1.00			eimeria
<b>!</b>	CEWE_AA_0499	29.99	30.58	0.61	1.00			eimeria
<b>!</b>	CEWE_AA_0499	31.20	30.58	0.61	1.00			eimeria
<b>!</b>	CEWE_AA_0498	20.76	20.66	0.09	1.00			mouse
<b>!</b>	CEWE_AA_0498	20.61	20.66	0.09	1.00			mouse
<b>!</b>	CEWE_AA_0498	20.61	20.66	0.09	1.00			mouse
<b>!</b>	CEWE_AA_0498	32.22	32.25	0.34	1.00			eimeria
<b>!</b>	CEWE_AA_0498	31.93	32.25	0.34	1.00			eimeria
<b>!</b>	CEWE_AA_0498	32.61	32.25	0.34	1.00			eimeria
<b>-</b> □ ■H1	NTC	-			-			mouse
<b>-</b> □ ■H2	NTC	-			-			mouse
<b>-</b> □ ■H3	NTC	-			-			mouse
<b>-</b> □ ■H4	NTC	-			-			eimeria
<b>-</b> □ ■H5	NTC	35.84			-			eimeria
<b>-</b> □ ■H6	NTC	-			-			eimeria
<b>-</b> □ ■H7	water	-	36.44	2.15	-			mouse
<b>-</b> □ ■H8	water	37.96	36.44	2.15	-			mouse
<b>-</b> □ ■H9	water	34.92	36.44	2.15	-			mouse
<b>-</b> □ ■H10	water	-			-			eimeria
<b>-</b> □ ■H11	water	-			-			eimeria
<b>-</b> □ ■H12	water	-			-			eimeria



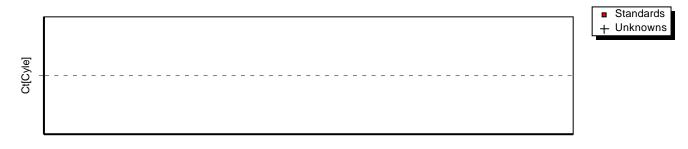
### **Amplification Plot**



Threshold 344 (Noiseband)

Baseline automatic, Drift correction OFF

#### Standard curve



Amount[Copies]

Slope - R^2 -Y-Intercept - Efficiency -