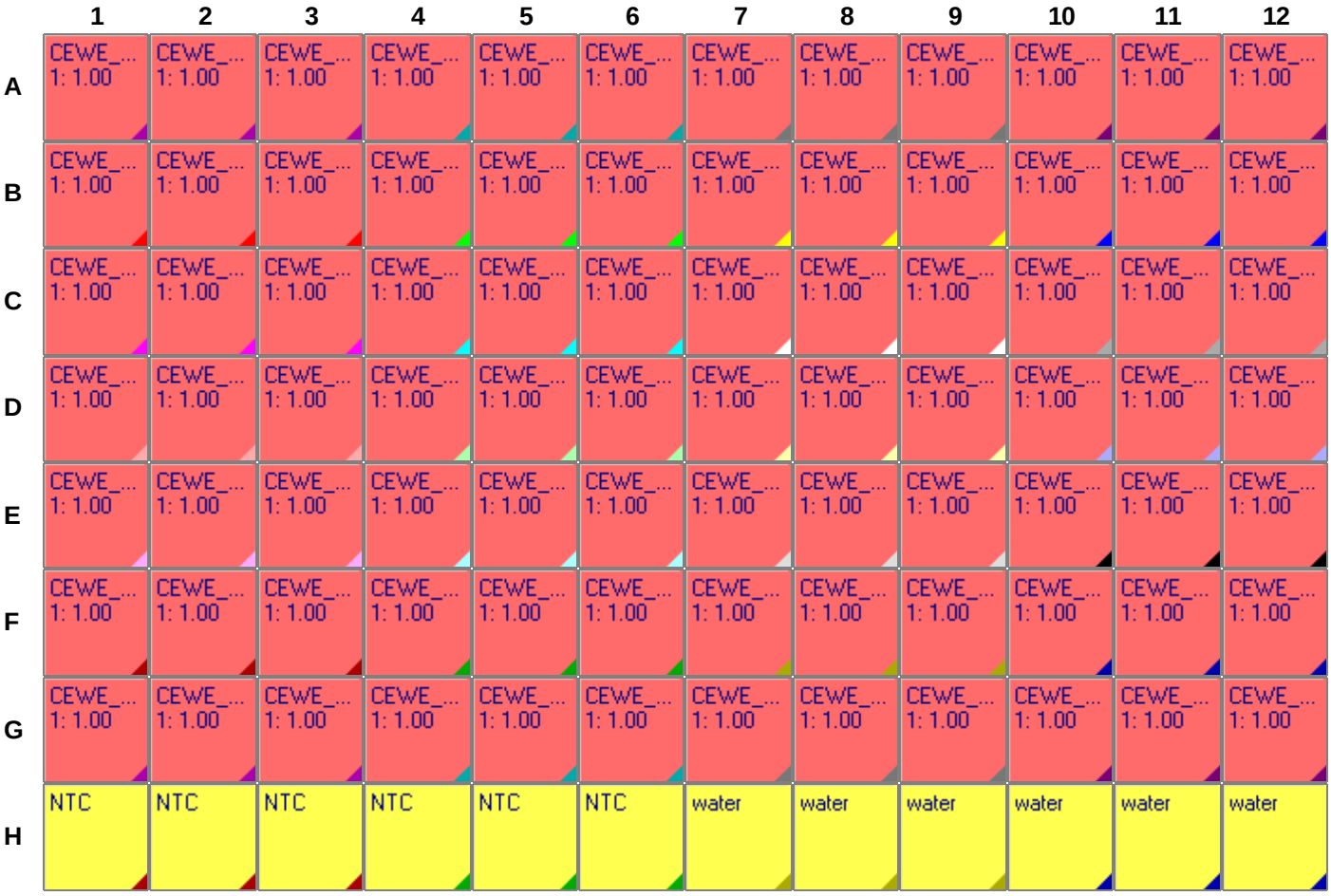
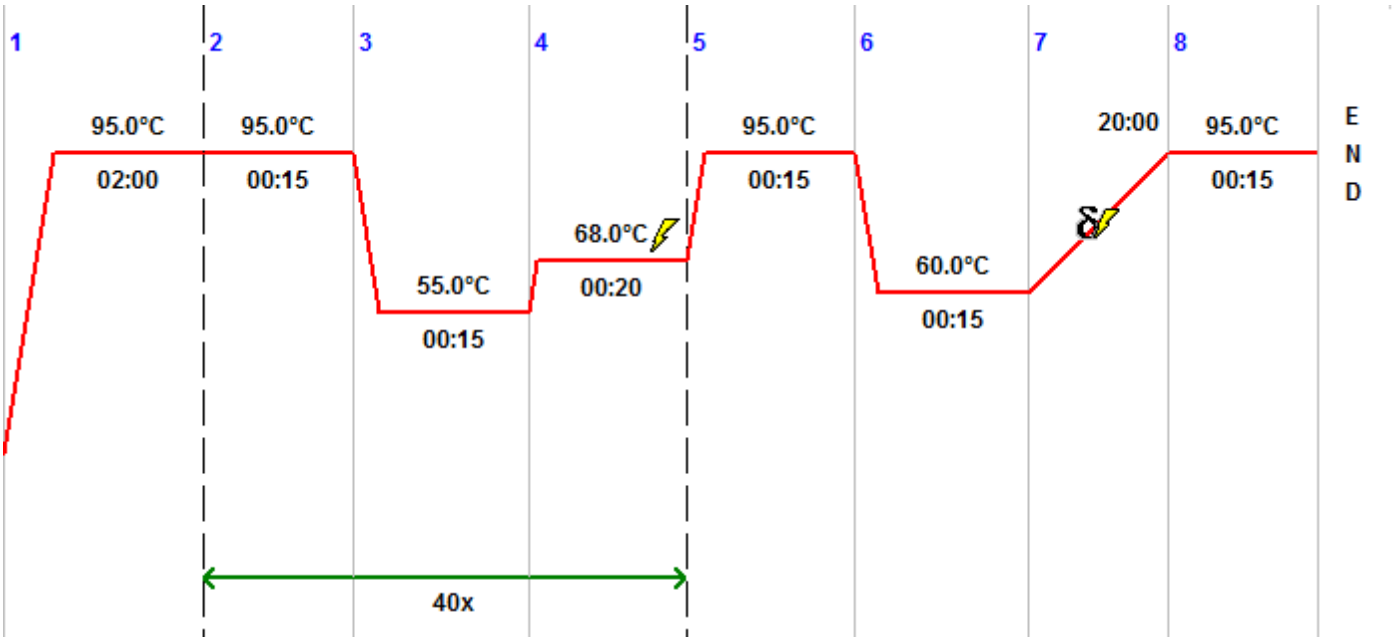
# Document information

| | | |
|---|---|---|
| Software: | realplex 2.2 | |
| File Name: | EPPENDORF\Yasmin_Crypto_Projec | |
| Printed by: | EPPENDORF | |
| Created: | Aug/09/2018 13:55 | |
| Serial No. Thermo Module: | 6325 30387 | |
| Serial No. realplex Module.: | 630011465 | |
| Acquisition Start Time: | EPPENDORF | Aug/09/2018 13:59 |
| Acquisition End Time: | EPPENDORF | Aug/09/2018 15:27 |
| Last updated: | EPPENDORF | Aug/09/2018 15:30 |
| Background: | Sarstedt-20µl | Sep/12/2011 10:28 |
| Color Calibration: | SYBR | Mar/12/2018 15:31 |
| Assaytest | Quantification | Aug/09/2018 15:36 |
| Inverted Data: | OFF | |
| Comment: | | |

## Plate layout



# PCR Program

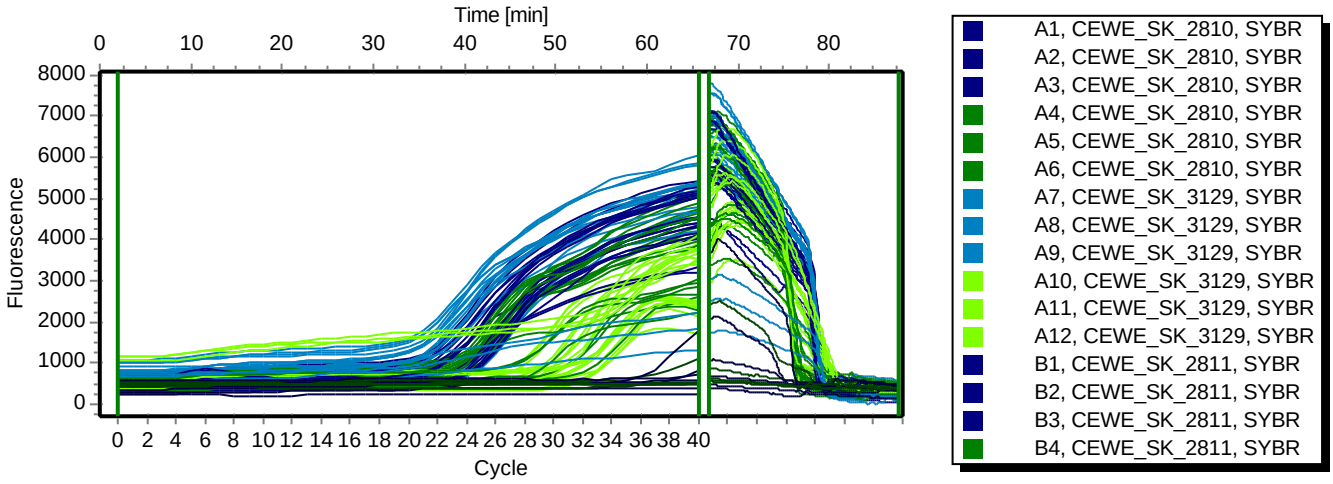



## Program Header

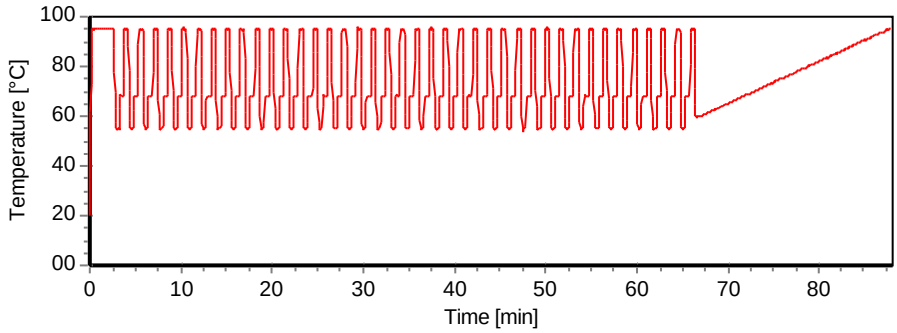
| | | | |
|---|---|---|---|
| Lid Temp | 105 °C | TSP Heated Lid | Yes |
| Temp. Mode | Standard | Switch off lid at low block temp | No |
| Impulse | No | Simulate Mastercycler gradient | No |

# Raw Data SYBR

## Fluorescence Profile




## Temperature Profile



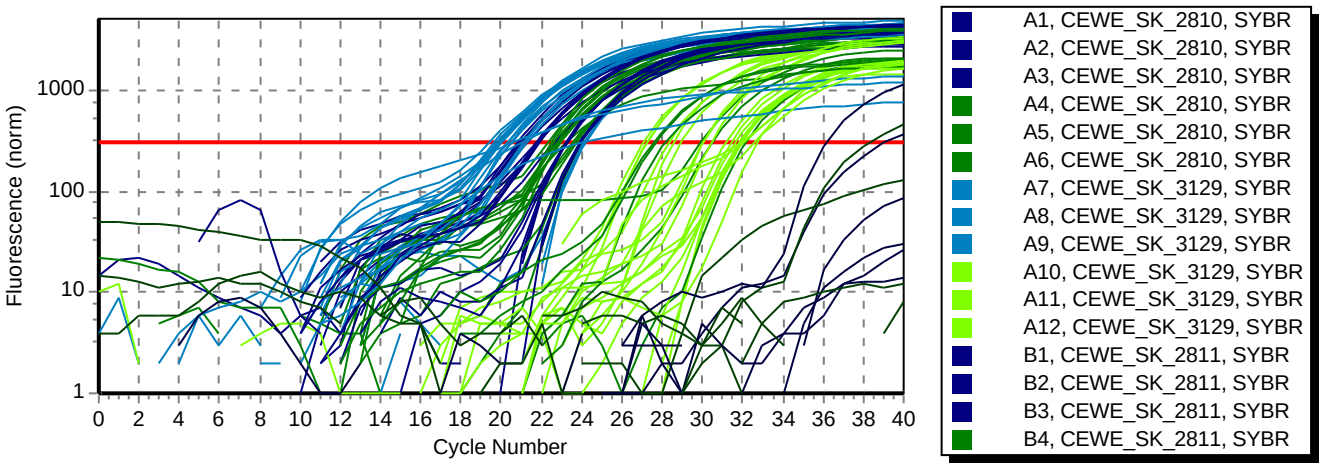
# Quantification SYBR

| Pos | Name | Ct SYBR | Ct Mean SYBR | Ct Dev. SYBR | Amount SYBR [Copies] | Amount Mean SYBR | Amount Dev. SYBR | Target SYBR |
|---|---|---|---|---|---|---|---|---|
| A1 | CEWE_SK_2810 | 21.24 | 21.01 | 0.21 | 1.00 | | | mouse |
| A2 | CEWE_SK_2810 | 20.99 | 21.01 | 0.21 | 1.00 | | | mouse |
| A3 | CEWE_SK_2810 | 20.81 | 21.01 | 0.21 | 1.00 | | | mouse |
| A4 | CEWE_SK_2810 | 22.68 | 22.60 | 0.24 | 1.00 | | | eimeria |
| A5 | CEWE_SK_2810 | 22.33 | 22.60 | 0.24 | 1.00 | | | eimeria |
| A6 | CEWE_SK_2810 | 22.78 | 22.60 | 0.24 | 1.00 | | | eimeria |
| A7 | CEWE_SK_3129 | 24.10 | 24.13 | 0.05 | 1.00 | | | mouse |
| A8 | CEWE_SK_3129 | 24.10 | 24.13 | 0.05 | 1.00 | | | mouse |
| A9 | CEWE_SK_3129 | 24.19 | 24.13 | 0.05 | 1.00 | | | mouse |
| A10 | CEWE_SK_3129 | 28.61 | 28.64 | 0.29 | 1.00 | | | eimeria |
| A11 | CEWE_SK_3129 | 28.36 | 28.64 | 0.29 | 1.00 | | | eimeria |
| A12 | CEWE_SK_3129 | 28.94 | 28.64 | 0.29 | 1.00 | | | eimeria |
| B1 | CEWE_SK_2811 | 23.22 | 23.23 | 0.02 | 1.00 | | | mouse |
| B2 | CEWE_SK_2811 | 23.23 | 23.23 | 0.02 | 1.00 | | | mouse |
| B3 | CEWE_SK_2811 | 23.25 | 23.23 | 0.02 | 1.00 | | | mouse |
| B4 | CEWE_SK_2811 | 23.90 | 23.93 | 0.04 | 1.00 | | | eimeria |
| B5 | CEWE_SK_2811 | 23.91 | 23.93 | 0.04 | 1.00 | | | eimeria |
| B6 | CEWE_SK_2811 | 23.97 | 23.93 | 0.04 | 1.00 | | | eimeria |
| B7 | CEWE_SK_3137 | 19.48 | 19.66 | 0.16 | 1.00 | | | mouse |
| B8 | CEWE_SK_3137 | 19.79 | 19.66 | 0.16 | 1.00 | | | mouse |
| B9 | CEWE_SK_3137 | 19.71 | 19.66 | 0.16 | 1.00 | | | mouse |
| B10 | CEWE_SK_3137 | 27.24 | 27.18 | 0.12 | 1.00 | | | eimeria |
| B11 | CEWE_SK_3137 | 27.05 | 27.18 | 0.12 | 1.00 | | | eimeria |
| B12 | CEWE_SK_3137 | 27.26 | 27.18 | 0.12 | 1.00 | | | eimeria |
| C1 | CEWE_SK_2827 | 21.87 | 22.10 | 0.45 | 1.00 | | | mouse |
| C2 | CEWE_SK_2827 | 21.82 | 22.10 | 0.45 | 1.00 | | | mouse |
| C3 | CEWE_SK_2827 | 22.62 | 22.10 | 0.45 | 1.00 | | | mouse |
| C4 | CEWE_SK_2827 | 23.19 | 22.99 | 0.18 | 1.00 | | | eimeria |
| C5 | CEWE_SK_2827 | 22.91 | 22.99 | 0.18 | 1.00 | | | eimeria |
| C6 | CEWE_SK_2827 | 22.86 | 22.99 | 0.18 | 1.00 | | | eimeria |
| C7 | CEWE_SK_3140 | 19.87 | 20.31 | 0.38 | 1.00 | | | mouse |
| C8 | CEWE_SK_3140 | 20.51 | 20.31 | 0.38 | 1.00 | | | mouse |
| C9 | CEWE_SK_3140 | 20.55 | 20.31 | 0.38 | 1.00 | | | mouse |
| C10 | CEWE_SK_3140 | 31.50 | 31.55 | 0.36 | 1.00 | | | eimeria |
| C11 | CEWE_SK_3140 | 31.22 | 31.55 | 0.36 | 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_SK_3140 | 31.94 | 31.55 | 0.36 | 1.00 | | | eimeria |
| D1 | CEWE_SK_2829 | 20.95 | 21.25 | 0.39 | 1.00 | | | mouse |
| D2 | CEWE_SK_2829 | 21.10 | 21.25 | 0.39 | 1.00 | | | mouse |
| D3 | CEWE_SK_2829 | 21.69 | 21.25 | 0.39 | 1.00 | | | mouse |
| D4 | CEWE_SK_2829 | 23.67 | 23.64 | 0.09 | 1.00 | | | eimeria |
| D5 | CEWE_SK_2829 | 23.72 | 23.64 | 0.09 | 1.00 | | | eimeria |
| D6 | CEWE_SK_2829 | 23.54 | 23.64 | 0.09 | 1.00 | | | eimeria |
| D7 | CEWE_SK_3145 | 21.08 | 21.14 | 0.10 | 1.00 | | | mouse |
| D8 | CEWE_SK_3145 | 21.08 | 21.14 | 0.10 | 1.00 | | | mouse |
| D9 | CEWE_SK_3145 | 21.26 | 21.14 | 0.10 | 1.00 | | | mouse |
| D10 | CEWE_SK_3145 | 32.78 | 32.23 | 0.48 | 1.00 | | | eimeria |
| D11 | CEWE_SK_3145 | 31.92 | 32.23 | 0.48 | 1.00 | | | eimeria |
| D12 | CEWE_SK_3145 | 31.99 | 32.23 | 0.48 | 1.00 | | | eimeria |
| E1 | CEWE_SK_3097 | 23.88 | 23.92 | 0.04 | 1.00 | | | mouse |
| E2 | CEWE_SK_3097 | 23.96 | 23.92 | 0.04 | 1.00 | | | mouse |
| E3 | CEWE_SK_3097 | 23.92 | 23.92 | 0.04 | 1.00 | | | mouse |
| E4 | CEWE_SK_3097 | 32.18 | 30.88 | 1.16 | 1.00 | | | eimeria |
| E5 | CEWE_SK_3097 | 29.95 | 30.88 | 1.16 | 1.00 | | | eimeria |
| E6 | CEWE_SK_3097 | 30.51 | 30.88 | 1.16 | 1.00 | | | eimeria |
| E7 | CEWE_SK_3146 | 19.99 | 20.05 | 0.23 | 1.00 | | | mouse |
| E8 | CEWE_SK_3146 | 19.86 | 20.05 | 0.23 | 1.00 | | | mouse |
| E9 | CEWE_SK_3146 | 20.30 | 20.05 | 0.23 | 1.00 | | | mouse |
| E10 | CEWE_SK_3146 | 31.91 | 31.84 | 0.11 | 1.00 | | | eimeria |
| E11 | CEWE_SK_3146 | 31.89 | 31.84 | 0.11 | 1.00 | | | eimeria |
| E12 | CEWE_SK_3146 | 31.71 | 31.84 | 0.11 | 1.00 | | | eimeria |
| F1 | CEWE_SK_3126 | 23.20 | 23.24 | 0.04 | 1.00 | | | mouse |
| F2 | CEWE_SK_3126 | 23.25 | 23.24 | 0.04 | 1.00 | | | mouse |
| F3 | CEWE_SK_3126 | 23.28 | 23.24 | 0.04 | 1.00 | | | mouse |
| F4 | CEWE_SK_3126 | 22.79 | 22.61 | 0.17 | 1.00 | | | eimeria |
| F5 | CEWE_SK_3126 | 22.58 | 22.61 | 0.17 | 1.00 | | | eimeria |
| F6 | CEWE_SK_3126 | 22.46 | 22.61 | 0.17 | 1.00 | | | eimeria |
| F7 | CEWE_SK_3162 | 19.95 | 20.11 | 0.19 | 1.00 | | | mouse |
| F8 | CEWE_SK_3162 | 20.33 | 20.11 | 0.19 | 1.00 | | | mouse |
| F9 | CEWE_SK_3162 | 20.06 | 20.11 | 0.19 | 1.00 | | | mouse |
| F10 | CEWE_SK_3162 | 30.49 | 30.21 | 0.24 | 1.00 | | | eimeria |
| F11 | CEWE_SK_3162 | 30.08 | 30.21 | 0.24 | 1.00 | | | eimeria |
| F12 | CEWE_SK_3162 | 30.07 | 30.21 | 0.24 | 1.00 | | | eimeria |
| G1 | CEWE_SK_3128 | 21.74 | 21.78 | 0.04 | 1.00 | | | mouse |
| G2 | CEWE_SK_3128 | 21.77 | 21.78 | 0.04 | 1.00 | | | mouse |

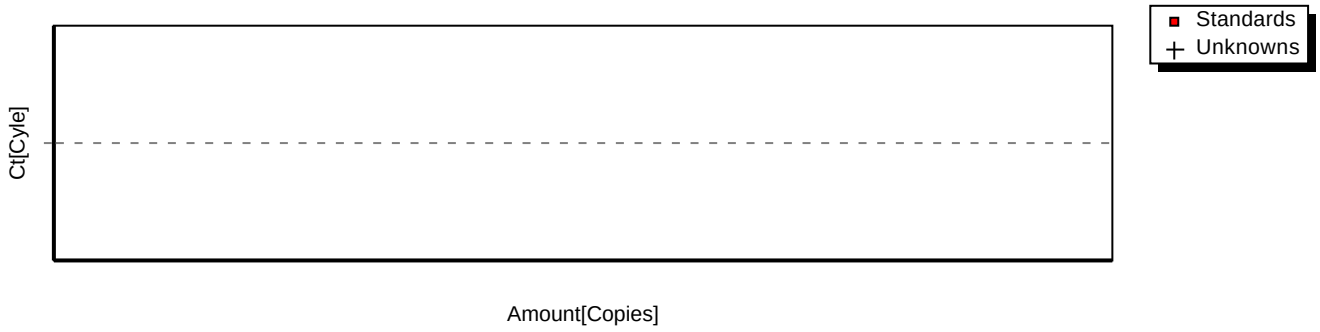
| Pos | Name | Ct SYBR | Ct Mean SYBR | Ct Dev. SYBR | Amount SYBR [Copies] | Amount Mean SYBR | Amount Dev. SYBR | Target SYBR |
|---|---|---|---|---|---|---|---|---|
| G3 | CEWE_SK_3128 | 21.82 | 21.78 | 0.04 | 1.00 | | | mouse |
| G4 | CEWE_SK_3128 | 27.59 | 27.83 | 0.33 | 1.00 | | | eimeria |
| G5 | CEWE_SK_3128 | 27.71 | 27.83 | 0.33 | 1.00 | | | eimeria |
| G6 | CEWE_SK_3128 | 28.21 | 27.83 | 0.33 | 1.00 | | | eimeria |
| G7 | CEWE_SK_3165 | 20.59 | 21.90 | 1.86 | 1.00 | | | mouse |
| G8 | CEWE_SK_3165 | 21.07 | 21.90 | 1.86 | 1.00 | | | mouse |
| G9 | CEWE_SK_3165 | 24.03 | 21.90 | 1.86 | 1.00 | | | mouse |
| G10 | CEWE_SK_3165 | 32.09 | 32.26 | 0.33 | 1.00 | | | eimeria |
| G11 | CEWE_SK_3165 | 32.04 | 32.26 | 0.33 | 1.00 | | | eimeria |
| G12 | CEWE_SK_3165 | 32.64 | 32.26 | 0.33 | 1.00 | | | eimeria |
| H1 | NTC | 39.10 | | | - | | | mouse |
| H2 | NTC | - | | | - | | | mouse |
| H3 | NTC | - | | | - | | | mouse |
| H4 | NTC | - | | | - | | | eimeria |
| H5 | NTC | 38.25 | | | - | | | eimeria |
| H6 | NTC | - | | | - | | | eimeria |
| H7 | water | 36.12 | | | - | | | mouse |
| H8 | water | - | | | - | | | mouse |
| H9 | water | - | | | - | | | mouse |
| H10 | water | - | | | - | | | eimeria |
| H11 | water | - | | | - | | | eimeria |
| H12 | water | - | | | - | | | eimeria |

## Amplification Plot




| | |
|---|---|
| Threshold | 309 (Noiseband) |
| Baseline | automatic, Drift correction OFF |

## Standard curve




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