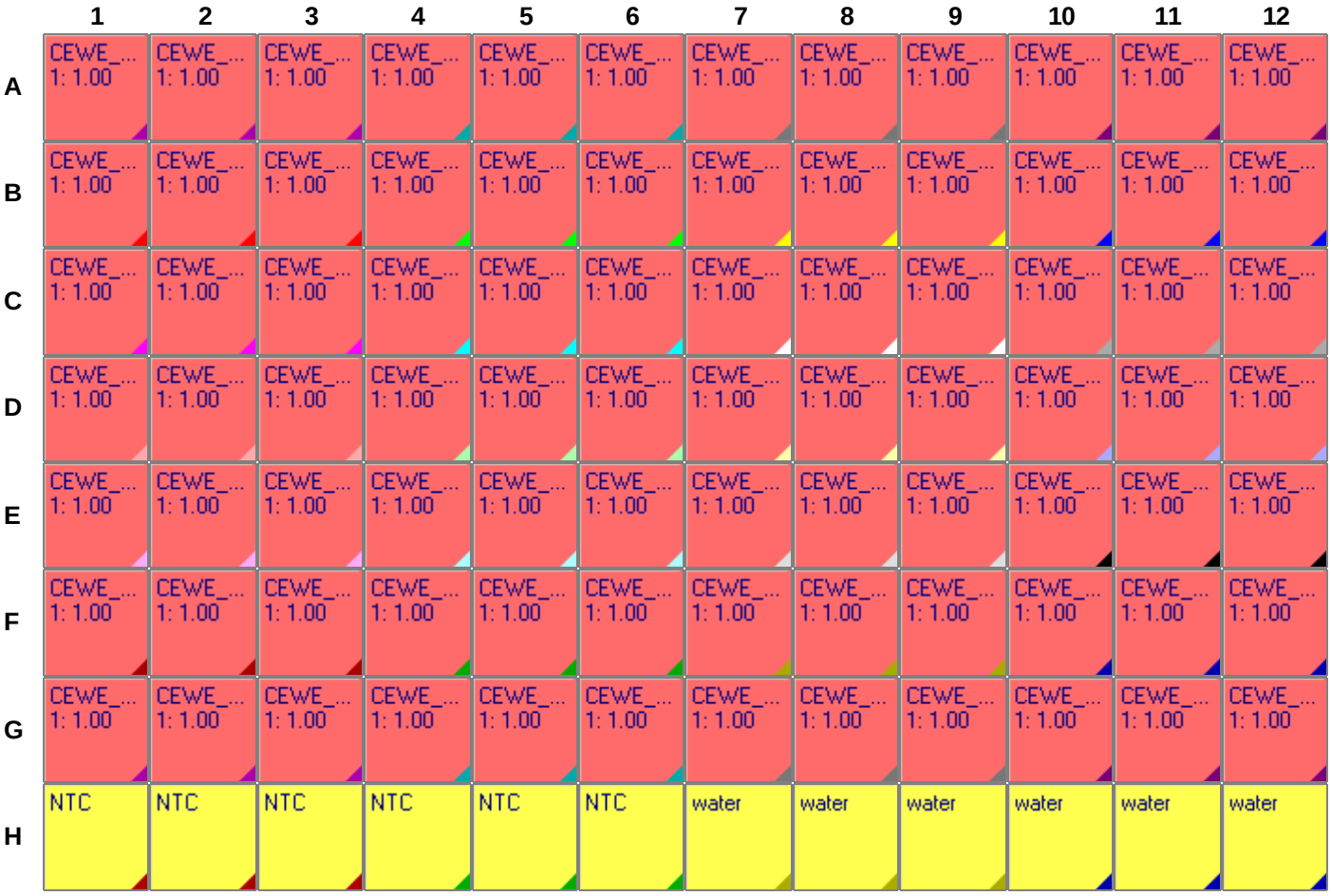
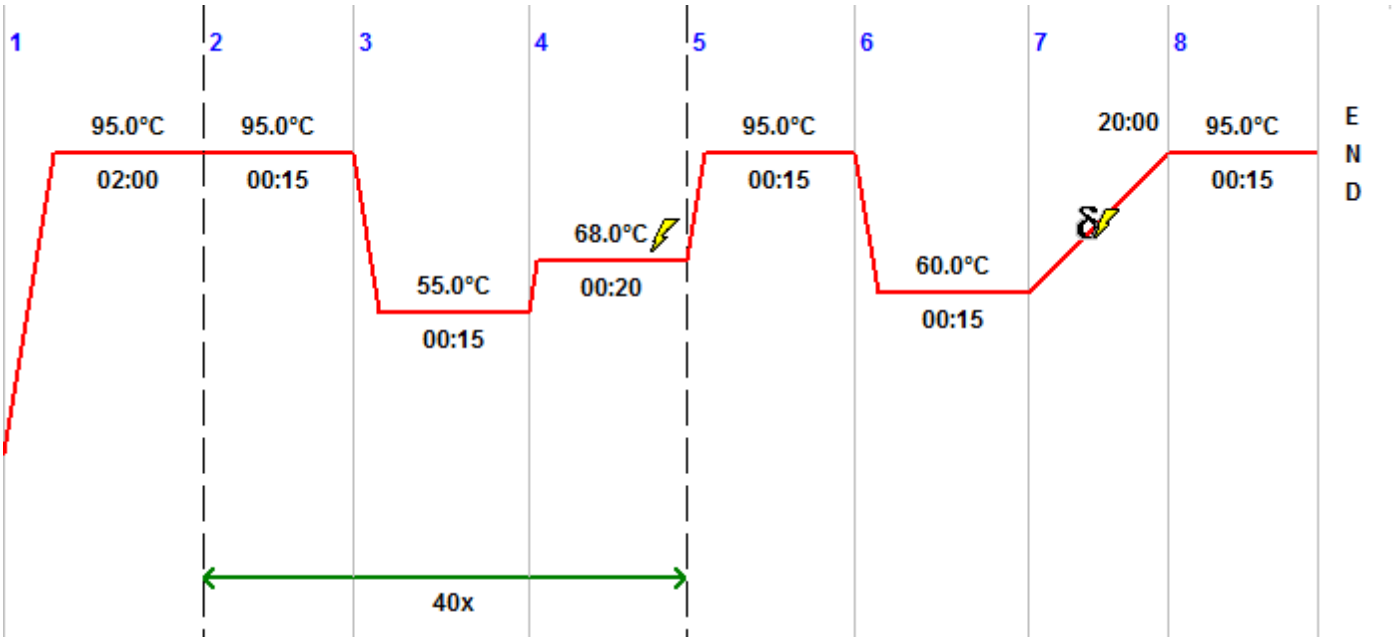
# Document information

| | | |
|---|---|---|
| Software: | realplex 2.2 | |
| File Name: | EPPENDORF\Yasmin_Crypto_Projec<br>2015 samples | |
| Printed by: | EPPENDORF | |
| Created: | Oct/09/2018 12:58 | |
| Serial No. Thermo Module: | 6325 30387 | |
| Serial No. realplex Module.: | 630011465 | |
| Acquisition Start Time: | EPPENDORF | Oct/09/2018 13:02 |
| Acquisition End Time: | EPPENDORF | Oct/09/2018 14:31 |
| Last updated: | EPPENDORF | Aug/09/2018 13:54 |
| Background: | Sarstedt-20µl | Sep/12/2011 10:28 |
| Color Calibration: | SYBR | Mar/12/2018 15:31 |
| 09.10.18 2015 samples | Quantification | Oct/09/2018 14:31 |
| | Melting Curve | Oct/09/2018 14:40 |
| Inverted Data: | OFF | |
| Comment: | | |

## Plate layout



# PCR Program

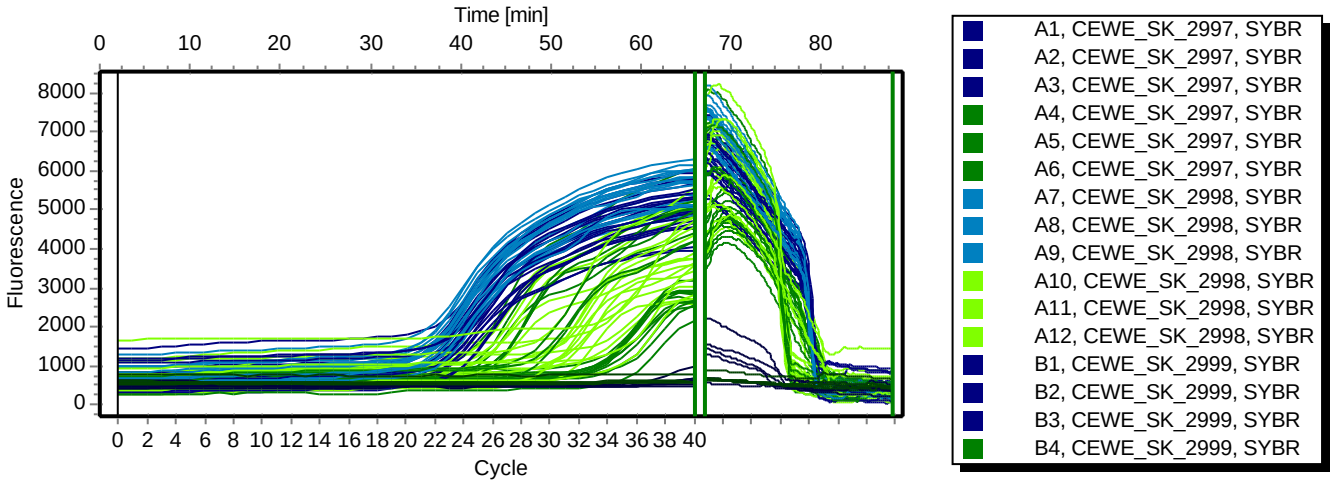



## Program Header

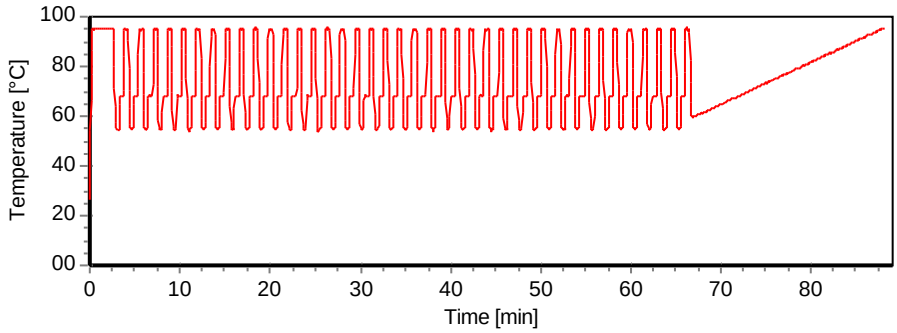
| | | | |
|---|---|---|---|
| Lid Temp | 105 °C | TSP Heated Lid | Yes |
| Temp. Mode | Standard | Switch off lid at low block temp | No |
| Impulse | No | Simulate Mastercycler gradient | No |

# Raw Data SYBR

## Fluorescence Profile




## Temperature Profile



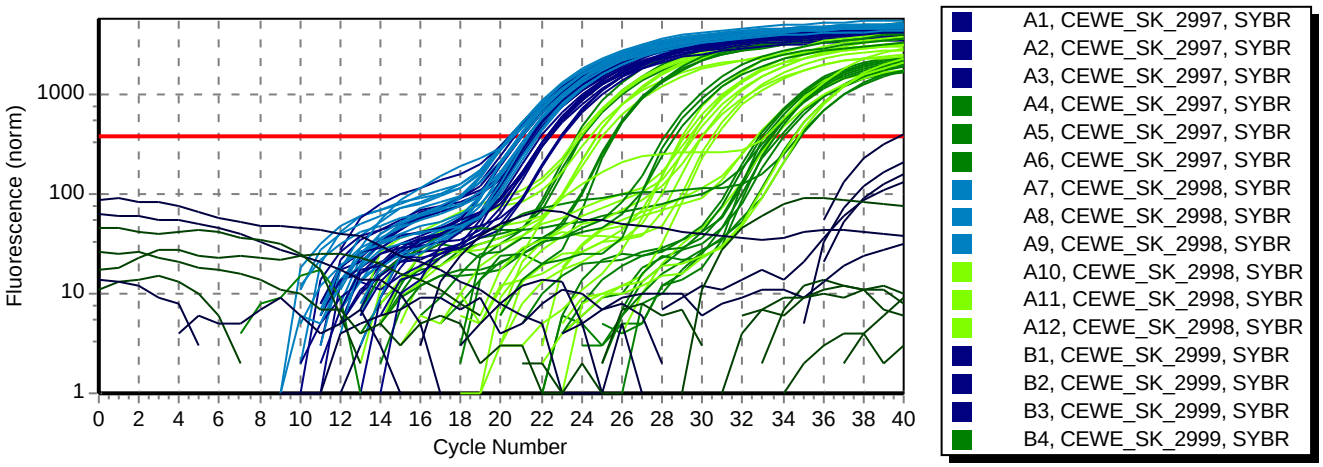
# Quantification SYBR

| Pos | Name | Ct SYBR | Ct Mean SYBR | Ct Dev. SYBR | Amount SYBR [Copies] | Amount Mean SYBR | Amount Dev. SYBR | Target SYBR |
|---|---|---|---|---|---|---|---|---|
| A1 | CEWE_SK_2997 | 20.98 | 20.83 | 0.17 | 1.00 | | | mouse |
| A2 | CEWE_SK_2997 | 20.65 | 20.83 | 0.17 | 1.00 | | | mouse |
| A3 | CEWE_SK_2997 | 20.84 | 20.83 | 0.17 | 1.00 | | | mouse |
| A4 | CEWE_SK_2997 | 23.71 | 23.88 | 0.15 | 1.00 | | | eimeria |
| A5 | CEWE_SK_2997 | 23.98 | 23.88 | 0.15 | 1.00 | | | eimeria |
| A6 | CEWE_SK_2997 | 23.94 | 23.88 | 0.15 | 1.00 | | | eimeria |
| A7 | CEWE_SK_2998 | 20.92 | 21.07 | 0.26 | 1.00 | | | mouse |
| A8 | CEWE_SK_2998 | 20.92 | 21.07 | 0.26 | 1.00 | | | mouse |
| A9 | CEWE_SK_2998 | 21.37 | 21.07 | 0.26 | 1.00 | | | mouse |
| A10 | CEWE_SK_2998 | 23.75 | 24.00 | 0.32 | 1.00 | | | eimeria |
| A11 | CEWE_SK_2998 | 23.88 | 24.00 | 0.32 | 1.00 | | | eimeria |
| A12 | CEWE_SK_2998 | 24.37 | 24.00 | 0.32 | 1.00 | | | eimeria |
| B1 | CEWE_SK_2999 | 21.64 | 21.74 | 0.17 | 1.00 | | | mouse |
| B2 | CEWE_SK_2999 | 21.66 | 21.74 | 0.17 | 1.00 | | | mouse |
| B3 | CEWE_SK_2999 | 21.93 | 21.74 | 0.17 | 1.00 | | | mouse |
| B4 | CEWE_SK_2999 | 33.43 | 33.74 | 0.28 | 1.00 | | | eimeria |
| B5 | CEWE_SK_2999 | 33.99 | 33.74 | 0.28 | 1.00 | | | eimeria |
| B6 | CEWE_SK_2999 | 33.79 | 33.74 | 0.28 | 1.00 | | | eimeria |
| B7 | CEWE_SK_3000 | 20.35 | 20.43 | 0.10 | 1.00 | | | mouse |
| B8 | CEWE_SK_3000 | 20.40 | 20.43 | 0.10 | 1.00 | | | mouse |
| B9 | CEWE_SK_3000 | 20.54 | 20.43 | 0.10 | 1.00 | | | mouse |
| B10 | CEWE_SK_3000 | 32.69 | 32.99 | 0.51 | 1.00 | | | eimeria |
| B11 | CEWE_SK_3000 | 33.58 | 32.99 | 0.51 | 1.00 | | | eimeria |
| B12 | CEWE_SK_3000 | 32.70 | 32.99 | 0.51 | 1.00 | | | eimeria |
| C1 | CEWE_SK_3001 | 20.42 | 20.77 | 0.30 | 1.00 | | | mouse |
| C2 | CEWE_SK_3001 | 20.94 | 20.77 | 0.30 | 1.00 | | | mouse |
| C3 | CEWE_SK_3001 | 20.94 | 20.77 | 0.30 | 1.00 | | | mouse |
| C4 | CEWE_SK_3001 | 32.86 | 32.99 | 0.14 | 1.00 | | | eimeria |
| C5 | CEWE_SK_3001 | 33.15 | 32.99 | 0.14 | 1.00 | | | eimeria |
| C6 | CEWE_SK_3001 | 32.97 | 32.99 | 0.14 | 1.00 | | | eimeria |
| C7 | CEWE_SK_3002 | 21.51 | 21.48 | 0.06 | 1.00 | | | mouse |
| C8 | CEWE_SK_3002 | 21.41 | 21.48 | 0.06 | 1.00 | | | mouse |
| C9 | CEWE_SK_3002 | 21.53 | 21.48 | 0.06 | 1.00 | | | mouse |
| C10 | CEWE_SK_3002 | 24.73 | 24.82 | 0.16 | 1.00 | | | eimeria |
| C11 | CEWE_SK_3002 | 24.72 | 24.82 | 0.16 | 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_3002 | 25.00 | 24.82 | 0.16 | 1.00 | | | eimeria |
| D1 | CEWE_SK_3003 | 21.47 | 21.48 | 0.13 | 1.00 | | | mouse |
| D2 | CEWE_SK_3003 | 21.36 | 21.48 | 0.13 | 1.00 | | | mouse |
| D3 | CEWE_SK_3003 | 21.62 | 21.48 | 0.13 | 1.00 | | | mouse |
| D4 | CEWE_SK_3003 | 25.53 | 25.53 | 0.07 | 1.00 | | | eimeria |
| D5 | CEWE_SK_3003 | 25.45 | 25.53 | 0.07 | 1.00 | | | eimeria |
| D6 | CEWE_SK_3003 | 25.60 | 25.53 | 0.07 | 1.00 | | | eimeria |
| D7 | CEWE_SK_3004 | 20.82 | 20.86 | 0.08 | 1.00 | | | mouse |
| D8 | CEWE_SK_3004 | 20.81 | 20.86 | 0.08 | 1.00 | | | mouse |
| D9 | CEWE_SK_3004 | 20.95 | 20.86 | 0.08 | 1.00 | | | mouse |
| D10 | CEWE_SK_3004 | 29.99 | 30.39 | 0.36 | 1.00 | | | eimeria |
| D11 | CEWE_SK_3004 | 30.49 | 30.39 | 0.36 | 1.00 | | | eimeria |
| D12 | CEWE_SK_3004 | 30.68 | 30.39 | 0.36 | 1.00 | | | eimeria |
| E1 | CEWE_SK_3005 | 22.19 | 22.27 | 0.11 | 1.00 | | | mouse |
| E2 | CEWE_SK_3005 | 22.23 | 22.27 | 0.11 | 1.00 | | | mouse |
| E3 | CEWE_SK_3005 | 22.40 | 22.27 | 0.11 | 1.00 | | | mouse |
| E4 | CEWE_SK_3005 | 33.27 | 33.43 | 0.17 | 1.00 | | | eimeria |
| E5 | CEWE_SK_3005 | 33.40 | 33.43 | 0.17 | 1.00 | | | eimeria |
| E6 | CEWE_SK_3005 | 33.60 | 33.43 | 0.17 | 1.00 | | | eimeria |
| E7 | CEWE_SK_3006 | 20.48 | 20.47 | 0.05 | 1.00 | | | mouse |
| E8 | CEWE_SK_3006 | 20.41 | 20.47 | 0.05 | 1.00 | | | mouse |
| E9 | CEWE_SK_3006 | 20.52 | 20.47 | 0.05 | 1.00 | | | mouse |
| E10 | CEWE_SK_3006 | 29.64 | 29.64 | 0.32 | 1.00 | | | eimeria |
| E11 | CEWE_SK_3006 | 29.32 | 29.64 | 0.32 | 1.00 | | | eimeria |
| E12 | CEWE_SK_3006 | 29.96 | 29.64 | 0.32 | 1.00 | | | eimeria |
| F1 | CEWE_SK_3007 | 22.92 | 22.93 | 0.04 | 1.00 | | | mouse |
| F2 | CEWE_SK_3007 | 22.89 | 22.93 | 0.04 | 1.00 | | | mouse |
| F3 | CEWE_SK_3007 | 22.97 | 22.93 | 0.04 | 1.00 | | | mouse |
| F4 | CEWE_SK_3007 | 34.48 | 34.68 | 0.19 | 1.00 | | | eimeria |
| F5 | CEWE_SK_3007 | 34.71 | 34.68 | 0.19 | 1.00 | | | eimeria |
| F6 | CEWE_SK_3007 | 34.86 | 34.68 | 0.19 | 1.00 | | | eimeria |
| F7 | CEWE_SK_3008 | 21.27 | 21.24 | 0.03 | 1.00 | | | mouse |
| F8 | CEWE_SK_3008 | 21.22 | 21.24 | 0.03 | 1.00 | | | mouse |
| F9 | CEWE_SK_3008 | 21.24 | 21.24 | 0.03 | 1.00 | | | mouse |
| F10 | CEWE_SK_3008 | 28.97 | 29.18 | 0.26 | 1.00 | | | eimeria |
| F11 | CEWE_SK_3008 | 29.47 | 29.18 | 0.26 | 1.00 | | | eimeria |
| F12 | CEWE_SK_3008 | 29.10 | 29.18 | 0.26 | 1.00 | | | eimeria |
| G1 | CEWE_SK_3009 | 22.21 | 22.29 | 0.08 | 1.00 | | | mouse |
| G2 | CEWE_SK_3009 | 22.34 | 22.29 | 0.08 | 1.00 | | | mouse |

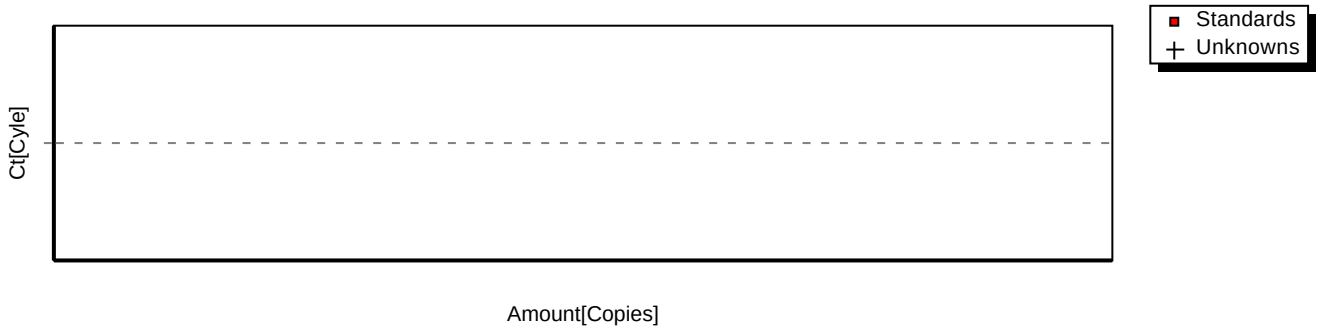
| Pos | Name | Ct SYBR | Ct Mean SYBR | Ct Dev. SYBR | Amount SYBR [Copies] | Amount Mean SYBR | Amount Dev. SYBR | Target SYBR |
|---|---|---|---|---|---|---|---|---|
| G3 | CEWE_SK_3009 | 22.34 | 22.29 | 0.08 | 1.00 | | | mouse |
| G4 | CEWE_SK_3009 | 28.12 | 28.38 | 0.26 | 1.00 | | | eimeria |
| G5 | CEWE_SK_3009 | 28.64 | 28.38 | 0.26 | 1.00 | | | eimeria |
| G6 | CEWE_SK_3009 | 28.37 | 28.38 | 0.26 | 1.00 | | | eimeria |
| G7 | CEWE_SK_3010 | 21.74 | 21.33 | 0.67 | 1.00 | | | mouse |
| G8 | CEWE_SK_3010 | 20.56 | 21.33 | 0.67 | 1.00 | | | mouse |
| G9 | CEWE_SK_3010 | 21.68 | 21.33 | 0.67 | 1.00 | | | mouse |
| G10 | CEWE_SK_3010 | 33.11 | 34.12 | 0.89 | 1.00 | | | eimeria |
| G11 | CEWE_SK_3010 | 34.75 | 34.12 | 0.89 | 1.00 | | | eimeria |
| G12 | CEWE_SK_3010 | 34.51 | 34.12 | 0.89 | 1.00 | | | eimeria |
| H1 | NTC | 39.67 | | | - | | | 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




| | |
|---|---|
| Threshold | 371 (Noiseband) |
| Baseline | automatic, Drift correction OFF |

## Standard curve




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

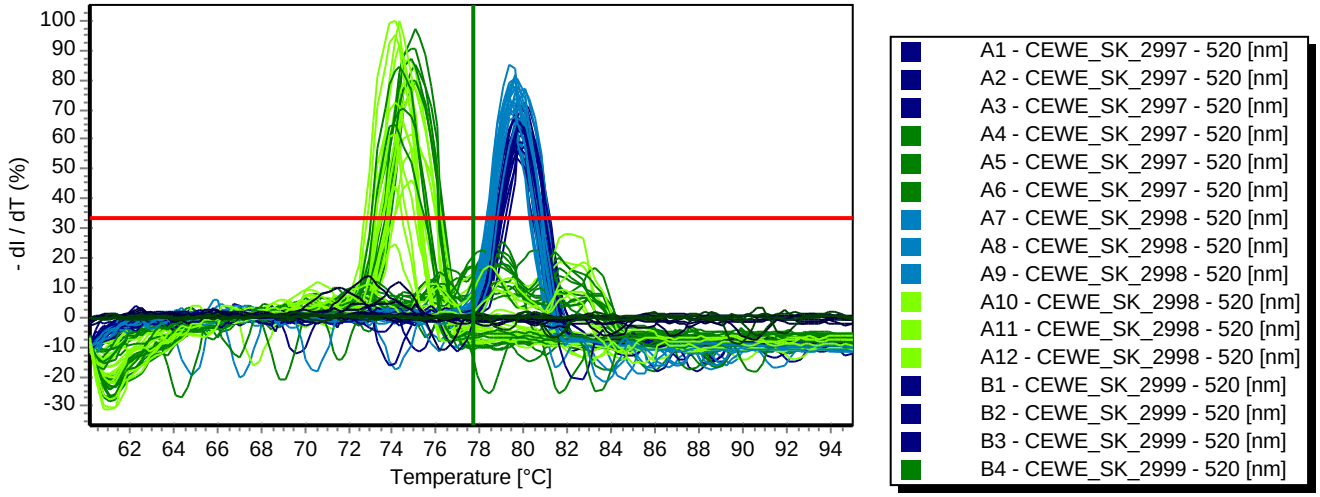
# Melting Curve SYBR

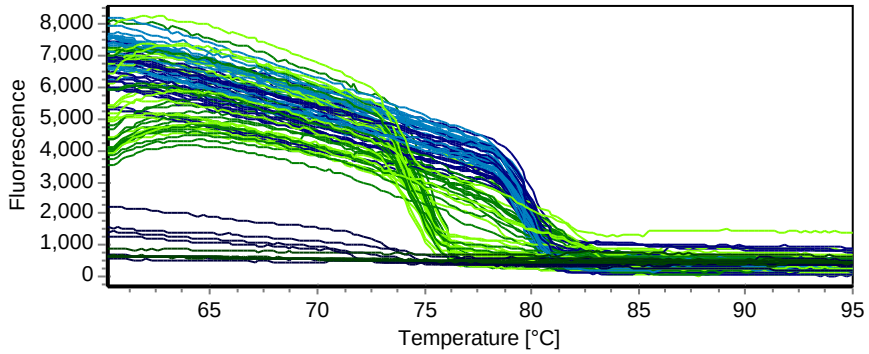
| Pos | Name | No. Tm SYBR | Tm x (°C) SYBR | Tm y (°C) SYBR | Mean SYBR | Dev. SYBR |
|---|---|---|---|---|---|---|
| A1 | CEWE_SK_2997 | 1 | 80.2 | | | |
| A2 | CEWE_SK_2997 | 1 | 80.1 | | | |
| A3 | CEWE_SK_2997 | 1 | 80.0 | | | |
| A4 | CEWE_SK_2997 | 1 | 75.1 | | | |
| A5 | CEWE_SK_2997 | 1 | 75.0 | | | |
| A6 | CEWE_SK_2997 | 1 | 75.1 | | | |
| A7 | CEWE_SK_2998 | 1 | 80.0 | | | |
| A8 | CEWE_SK_2998 | 1 | 79.9 | | | |
| A9 | CEWE_SK_2998 | 1 | 79.8 | | | |
| A10 | CEWE_SK_2998 | 1 | 74.9 | | | |
| A11 | CEWE_SK_2998 | 1 | 75.0 | | | |
| A12 | CEWE_SK_2998 | 1 | 75.0 | | | |
| B1 | CEWE_SK_2999 | 1 | 80.1 | | | |
| B2 | CEWE_SK_2999 | 1 | 80.0 | | | |
| B3 | CEWE_SK_2999 | 1 | 79.9 | | | |
| B4 | CEWE_SK_2999 | 0 | | | | |
| B5 | CEWE_SK_2999 | 0 | | | | |
| B6 | CEWE_SK_2999 | 0 | | | | |
| B7 | CEWE_SK_3000 | 1 | 79.6 | | | |
| B8 | CEWE_SK_3000 | 1 | 79.5 | | | |
| B9 | CEWE_SK_3000 | 1 | 79.4 | | | |
| B10 | CEWE_SK_3000 | 0 | | | | |
| B11 | CEWE_SK_3000 | 0 | | | | |
| B12 | CEWE_SK_3000 | 0 | | | | |
| C1 | CEWE_SK_3001 | 1 | 79.9 | | | |
| C2 | CEWE_SK_3001 | 1 | 79.8 | | | |
| C3 | CEWE_SK_3001 | 1 | 79.7 | | | |
| C4 | CEWE_SK_3001 | 0 | | | | |
| C5 | CEWE_SK_3001 | 0 | | | | |
| C6 | CEWE_SK_3001 | 0 | | | | |
| C7 | CEWE_SK_3002 | 1 | 79.6 | | | |
| C8 | CEWE_SK_3002 | 1 | 79.5 | | | |
| C9 | CEWE_SK_3002 | 1 | 79.4 | | | |
| C10 | CEWE_SK_3002 | 1 | 74.7 | | | |
| C11 | CEWE_SK_3002 | 1 | 74.7 | | | |
| C12 | CEWE_SK_3002 | 1 | 74.8 | | | |

| Pos | Name | No. Tm SYBR | Tm x (°C) SYBR | Tm y (°C) SYBR | Mean SYBR | Dev. SYBR |
|---|---|---|---|---|---|---|
| D1 | CEWE_SK_3003 | 1 | 80.0 | | | |
| D2 | CEWE_SK_3003 | 1 | 79.5 | | | |
| D3 | CEWE_SK_3003 | 1 | 79.6 | | | |
| D4 | CEWE_SK_3003 | 1 | 74.8 | | | |
| D5 | CEWE_SK_3003 | 1 | 74.9 | | | |
| D6 | CEWE_SK_3003 | 1 | 74.9 | | | |
| D7 | CEWE_SK_3004 | 1 | 79.5 | | | |
| D8 | CEWE_SK_3004 | 1 | 79.5 | | | |
| D9 | CEWE_SK_3004 | 1 | 79.4 | | | |
| D10 | CEWE_SK_3004 | 1 | 74.7 | | | |
| D11 | CEWE_SK_3004 | 1 | 74.0 | | | |
| D12 | CEWE_SK_3004 | 1 | 74.8 | | | |
| E1 | CEWE_SK_3005 | 1 | 79.9 | | | |
| E2 | CEWE_SK_3005 | 1 | 79.7 | | | |
| E3 | CEWE_SK_3005 | 1 | 79.6 | | | |
| E4 | CEWE_SK_3005 | 0 | | | | |
| E5 | CEWE_SK_3005 | 0 | | | | |
| E6 | CEWE_SK_3005 | 0 | | | | |
| E7 | CEWE_SK_3006 | 1 | 79.5 | | | |
| E8 | CEWE_SK_3006 | 1 | 79.4 | | | |
| E9 | CEWE_SK_3006 | 1 | 79.3 | | | |
| E10 | CEWE_SK_3006 | 1 | 74.3 | | | |
| E11 | CEWE_SK_3006 | 1 | 74.3 | | | |
| E12 | CEWE_SK_3006 | 1 | 74.4 | | | |
| F1 | CEWE_SK_3007 | 1 | 79.8 | | | |
| F2 | CEWE_SK_3007 | 1 | 79.6 | | | |
| F3 | CEWE_SK_3007 | 1 | 79.6 | | | |
| F4 | CEWE_SK_3007 | 0 | | | | |
| F5 | CEWE_SK_3007 | 0 | | | | |
| F6 | CEWE_SK_3007 | 0 | | | | |
| F7 | CEWE_SK_3008 | 1 | 79.8 | | | |
| F8 | CEWE_SK_3008 | 1 | 79.6 | | | |
| F9 | CEWE_SK_3008 | 1 | 79.5 | | | |
| F10 | CEWE_SK_3008 | 1 | 74.0 | | | |
| F11 | CEWE_SK_3008 | 1 | 74.1 | | | |
| F12 | CEWE_SK_3008 | 1 | 74.1 | | | |
| G1 | CEWE_SK_3009 | 1 | 79.8 | | | |
| G2 | CEWE_SK_3009 | 1 | 79.8 | | | |
| G3 | CEWE_SK_3009 | 1 | 79.8 | | | |
| G4 | CEWE_SK_3009 | 1 | 74.3 | | | |

| Pos | Name | No. Tm SYBR | Tm x (°C) SYBR | Tm y (°C) SYBR | Mean SYBR | Dev. SYBR |
|---|---|---|---|---|---|---|
| G5 | CEWE_SK_3009 | 1 | 74.0 | | | |
| G6 | CEWE_SK_3009 | 1 | 74.5 | | | |
| G7 | CEWE_SK_3010 | 1 | 79.8 | | | |
| G8 | CEWE_SK_3010 | 1 | 79.7 | | | |
| G9 | CEWE_SK_3010 | 1 | 79.5 | | | |
| G10 | CEWE_SK_3010 | 1 | 74.0 | | | |
| G11 | CEWE_SK_3010 | 1 | 74.1 | | | |
| G12 | CEWE_SK_3010 | 0 | | | | |
| H1 | NTC | 0 | | | | |
| H2 | NTC | 0 | | | | |
| H3 | NTC | 0 | | | | |
| H4 | NTC | 0 | | | | |
| H5 | NTC | 0 | | | | |
| H6 | NTC | 0 | | | | |
| H7 | water | 0 | | | | |
| H8 | water | 0 | | | | |
| H9 | water | 0 | | | | |
| H10 | water | 0 | | | | |
| H11 | water | 0 | | | | |
| H12 | water | 0 | | | | |

## Melting curve




Threshold 33%