

#### **Document information**

Software: realplex 2.2

File Name: EPPENDORF\Lorenzo\QPCR09.04.2

Printed by: EPPENDORF
Created: Apr/09/2018 11:53

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

Acquisition Start Time: EPPENDORF Apr/09/2018 11:58
Acquisition End Time: EPPENDORF Apr/09/2018 13:26
Last updated: EPPENDORF Apr/06/2018 12:28

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

QPCR09.04.2018 Quantification Apr/09/2018 13:32

Melting Curve Apr/09/2018 13:43

Inverted Data: OFF

Comment:

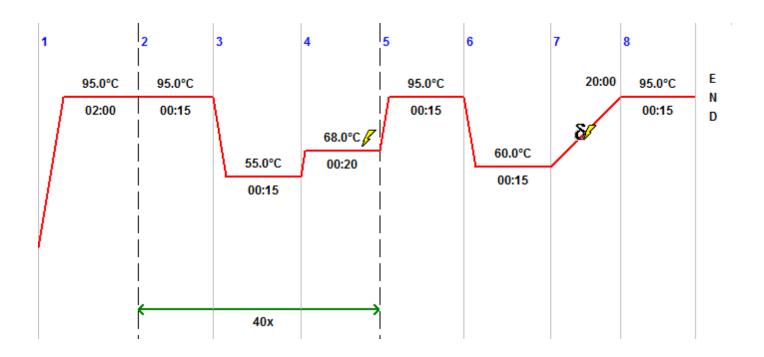


# **Plate layout**

	1	2	3	4	5	6	7	8	9	10	11	12
A	CEWE	CEWE	CEWE	CEWE	CEWE	CEWE	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A
	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	CEWE	CEWE	CEWE	CEWE	CEWE	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A
	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	CEWE	CEWE	CEWE	CEWE	CEWE	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A
	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	CEWE	CEWE	CEWE	CEWE	CEWE	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A
	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	CEWE	CEWE	CEWE	CEWE	CEWE	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A	ILWE_A
	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												
G												
Н	NTC	NTC	NTC	NTC	NTC	NTC	water	water	water	water	water	water



# **PCR Program**



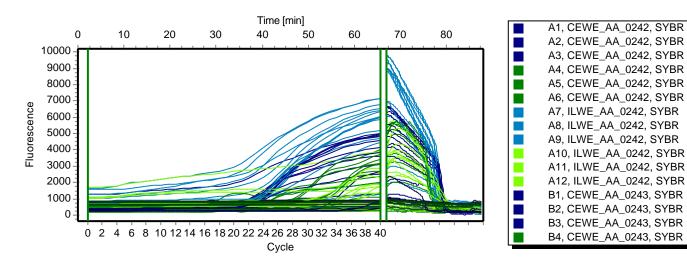
## **Program Header**

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

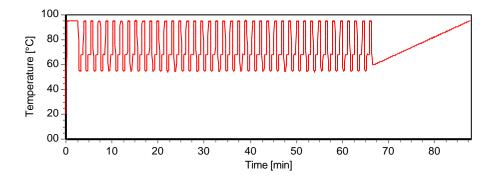


#### **Raw Data SYBR**

#### Fluorescence Profile



## **Temperature Profile**





## **Quantification SYBR**

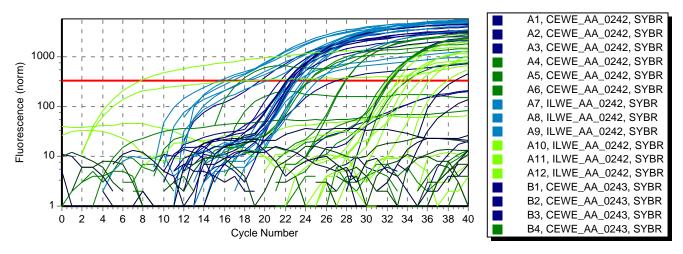
Pos	Name	Ct SYBR	Ct Mean SYBR	Ct Dev. SYBR	Amount SYBR [Copies]	Amount Mean SYBR	Amount Dev. SYBR	Target SYBR
! <b></b> ■ A1	CEWE_AA_0242				1.00			mouse
! <b>■</b> A2	CEWE_AA_0242				1.00			mouse
! <b>■</b> A3	CEWE_AA_0242	26.99			1.00			mouse
! <b></b> ■ A4	CEWE_AA_0242				1.00			eimeria
! <b></b> ■ A5	CEWE_AA_0242				1.00			eimeria
! <b>■</b> A6	CEWE_AA_0242				1.00			eimeria
! <b> </b>	ILWE_AA_0242	23.04	23.28	1.23	1.00			mouse
<b>!</b> ■ A8	ILWE_AA_0242	22.19	23.28	1.23	1.00			mouse
<b>!</b> ■ A9	ILWE_AA_0242	24.61	23.28	1.23	1.00			mouse
! <b> </b>	ILWE_AA_0242				1.00			eimeria
! <b> </b>	ILWE_AA_0242				1.00			eimeria
! <b></b> ■ A12	ILWE_AA_0242				1.00			eimeria
<b>!</b> ■ B1	CEWE_AA_0243	22.34	20.92	2.00	1.00			mouse
<b>!</b> ■ B2	CEWE_AA_0243	19.51	20.92	2.00	1.00			mouse
! <b>■</b> B3	CEWE_AA_0243		20.92	2.00	1.00			mouse
<b>!</b> ■ B4	CEWE_AA_0243				1.00			eimeria
! <b>■</b> B5	CEWE_AA_0243				1.00			eimeria
! <b>■</b> B6	CEWE_AA_0243				1.00			eimeria
<b>!</b> ■ B7	ILWE_AA_0243	20.23	18.00	2.39	1.00			mouse
! <b>■</b> ■88	ILWE_AA_0243	18.29	18.00	2.39	1.00			mouse
<b>!</b> ■ B9	ILWE_AA_0243	15.48	18.00	2.39	1.00			mouse
<b>!</b> ■ B10	ILWE_AA_0243				1.00			eimeria
<b>!</b>	ILWE_AA_0243				1.00			eimeria
<b>!</b> ■ B12	ILWE_AA_0243	33.34			1.00			eimeria
! <b>Ⅲ</b> ■C1	CEWE_AA_0244	32.14	25.47	5.82	1.00			mouse
! <b>■</b> C2	CEWE_AA_0244	22.79	25.47	5.82	1.00			mouse
<b>!</b>	CEWE_AA_0244	21.48	25.47	5.82	1.00			mouse
! <b></b>	CEWE_AA_0244	24.33	27.54	5.55	1.00			eimeria
! <b>■</b> C5	CEWE_AA_0244	33.94	27.54	5.55	1.00			eimeria
<b>!</b>	CEWE_AA_0244	24.35	27.54	5.55	1.00			eimeria
! <b>□</b> C7	ILWE_AA_0244	23.91	23.30	0.87	1.00			mouse
<b>!</b>	ILWE_AA_0244	23.67	23.30	0.87	1.00			mouse
<b>i</b>	ILWE_AA_0244	22.31	23.30	0.87	1.00			mouse
! <b>□</b> C10	ILWE_AA_0244	33.71	34.71	1.31	1.00			eimeria
! <b>∏</b>	ILWE_AA_0244	36.19	34.71	1.31	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_0244	34.24	34.71	1.31	1.00			eimeria
	D1	CEWE_AA_0245	22.92	22.71	0.19	1.00			mouse
	! <b>■</b> D2	CEWE_AA_0245	22.59	22.71	0.19	1.00			mouse
	<b>!</b> ■ D3	CEWE_AA_0245	22.61	22.71	0.19	1.00			mouse
	<b>!</b> ■ D4	CEWE_AA_0245	17.62	24.46	5.93	1.00			eimeria
	! <b>■</b> D5	CEWE_AA_0245	27.87	24.46	5.93	1.00			eimeria
	<b>!</b> ■ D6	CEWE_AA_0245	27.91	24.46	5.93	1.00			eimeria
	<b>!</b>	ILWE_AA_0245	16.05	16.96	1.01	1.00			mouse
	<b>!</b> ■ D8	ILWE_AA_0245	18.05	16.96	1.01	1.00			mouse
	<b>!</b> ■ D9	ILWE_AA_0245	16.78	16.96	1.01	1.00			mouse
	<b>!</b>	ILWE_AA_0245	17.78	20.29	13.93	1.00			eimeria
	! <b>■</b> □D11	ILWE_AA_0245	35.30	20.29	13.93	1.00			eimeria
CEWE_AA_0246 22.14 22.35 0.41 1.00 mouse	<b>!</b>	ILWE_AA_0245	7.78	20.29	13.93	1.00			eimeria
	! <b>■</b> E1	CEWE_AA_0246	22.82	22.35	0.41	1.00			mouse
	! <b>■</b> E2	CEWE_AA_0246	22.14	22.35	0.41	1.00			mouse
	! <b>■</b> E3	CEWE_AA_0246	22.09	22.35	0.41	1.00			mouse
	<b>!</b>	CEWE_AA_0246	32.37	32.16	0.26	1.00			eimeria
	! <b>■ E</b> 5	CEWE_AA_0246	31.86	32.16	0.26	1.00			eimeria
	<b>!</b> ■ E6	CEWE_AA_0246	32.25	32.16	0.26	1.00			eimeria
	! <b>∏</b> ■E7	ILWE_AA_0246	22.85	23.74	1.30	1.00			mouse
	<b>!</b> ■ E8	ILWE_AA_0246	25.24	23.74	1.30	1.00			mouse
	<b>!</b> ■ E9	ILWE_AA_0246	23.15	23.74	1.30	1.00			mouse
	<b>!</b>	ILWE_AA_0246	32.97	34.31	3.13	1.00			eimeria
- H1 NTC - MTC 38.57 - Mouse - H2 NTC 38.57 - Mouse - H3 NTC - Mouse - H4 NTC - Mouse - H5 NTC - Mouse - H5 NTC - Mouse - H6 NTC - Mouse - H6 NTC - Mouse - H7 water - Mouse - H8 water - Mouse - H8 water - Mouse - H8 water - Mouse - H10 water - Mouse - H10 water - Mouse - H10 water - Mouse - Mo	! <b></b>	ILWE_AA_0246	32.07	34.31	3.13	1.00			eimeria
-	<b>!</b>	ILWE_AA_0246	37.88	34.31	3.13	1.00			eimeria
-	<b>-</b> □ ■H1	NTC	-			-			mouse
-1       H4       NTC       -       eimeria         -1       H5       NTC       -       eimeria         -1       H6       NTC       -       eimeria         -1       H7       water       -       mouse         -1       H8       water       -       mouse         -1       H9       water       -       mouse         -1       H10       water       -       eimeria         -1       H11       water       -       eimeria	<b>-</b> □ ■H2	NTC	38.57			-			mouse
-	<b>-</b> □ ■H3	NTC	-			-			mouse
-	<b>-</b> □ ■H4	NTC	-			-			eimeria
-1         H7         water         -         mouse           -1         H8         water         -         mouse           -1         H9         water         -         mouse           -1         H10         water         -         eimeria           -1         H11         water         -         eimeria	<b>-</b> □ ■H5	NTC	-			-			eimeria
-	<b>-</b> □ ■H6	NTC	-			-			eimeria
- □ □ H9       water       -       -       mouse         - □ □ H10       water       -       -       eimeria         - □ □ H11       water       -       -       eimeria	<b>-</b> □ ■H7	water	-			-			mouse
-□ H10       water       - eimeria         -□ H11       water       - eimeria         -□ H11       water       - eimeria	<b>-■</b> H8	water	-			-			mouse
■H11 water - eimeria	<b>-</b> □ ■H9	water	-			-			mouse
	<b>-</b> □ ■H10	water	-			-			eimeria
H12 water - eimeria	<b>-</b> □ ■H11	water	-			-			eimeria
	<b>-</b> □ ■H12	water	-			-			eimeria



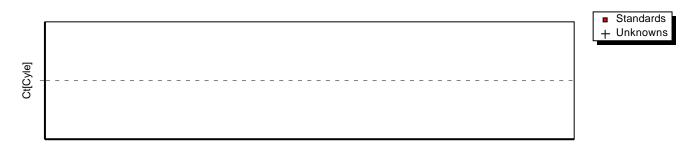
### **Amplification Plot**



Threshold 326 (Noiseband)

Baseline automatic, Drift correction OFF

#### Standard curve



Amount[Copies]

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



# **Melting Curve SYBR**

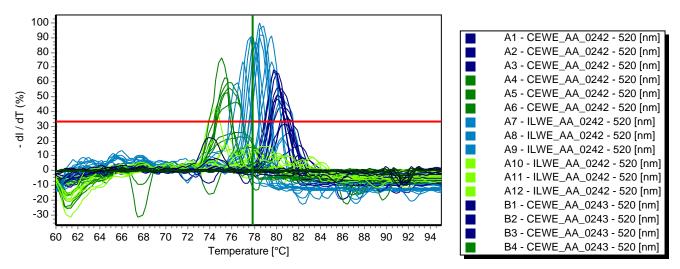
Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
! <b>∏</b> A1	CEWE_AA_0242	0				
! <b>∏</b> A2	CEWE_AA_0242	0				
<u>•</u> ■ A3	CEWE_AA_0242	0				
! <b>∏</b> A4	CEWE_AA_0242	0				
! <b> </b>	CEWE_AA_0242	0				
! <b>∏</b> A6	CEWE_AA_0242	0				
! <b> </b>	ILWE_AA_0242	0				
! <b>■</b> A8	ILWE_AA_0242	1	80.6			
. ■ A9	ILWE_AA_0242	0				
<b>!</b>	ILWE_AA_0242	0				
<b>!</b>	ILWE_AA_0242	0				
<b>!</b>	ILWE_AA_0242	0				
<b>!</b>	CEWE_AA_0243	1	81.0			
<b>!</b> ■ B2	CEWE_AA_0243	1	80.5			
<b>!</b> ■ B3	CEWE_AA_0243	0				
<b>!</b> ■ B4	CEWE_AA_0243	0				
<b>!</b> ■ B5	CEWE_AA_0243	0				
<b>!</b> ■ B6	CEWE_AA_0243	0				
<b>!</b> ■ B7	ILWE_AA_0243	1	78.7			
<b>!</b> ■ B8	ILWE_AA_0243	1	78.5			
<b>!</b> ■ B9	ILWE_AA_0243	1	79.5			
<b>!</b> ■ B10	ILWE_AA_0243	0				
<b>!</b> ■ B11	ILWE_AA_0243	0				
<b>!</b> ■ B12	ILWE_AA_0243	0				
! <b> </b>	CEWE_AA_0244	1	80.8			
<b>!</b>	CEWE_AA_0244	1	80.1			
i∏ C3	CEWE_AA_0244	1	80.4			
! <b>■</b> C4	CEWE_AA_0244	0				
! <b>■</b> C5	CEWE_AA_0244	0				
i∏ C6	CEWE_AA_0244	0				
! <b> </b>	ILWE_AA_0244	1	78.2			
i∏ C8	ILWE_AA_0244	1	78.0			
i∏ C9	ILWE_AA_0244	1	79.6			
! <b>■</b> C10	ILWE_AA_0244	0				
! <b>∏</b> C11	ILWE_AA_0244	0				
! <b>∏</b> C12	ILWE_AA_0244	0				



D1	Pos	Name	No. Tm SYBR	Tm x (°C) SYBR	Tm y (°C) SYBR	Mean SYBR	Dev. SYBR
	! <b>■</b> D1	CEWE_AA_0245	1	79.9			
D4		CEWE_AA_0245	1	80.2			
1 □ 05         CEWE_AA_0245         1         75.7           1 □ 07         LLWE_AA_0245         1         78.7           1 □ 08         LLWE_AA_0245         1         77.0           1 □ 08         LLWE_AA_0245         1         77.0           1 □ 01         LLWE_AA_0245         0         78.5           1 □ 01         LLWE_AA_0245         0         74.5           1 □ 01         LLWE_AA_0246         0         74.5           1 □ 02         CEWE_AA_0246         1         80.2           1 □ 03         CEWE_AA_0246         1         80.1           1 □ 04         CEWE_AA_0246         1         75.0           1 □ 05         CEWE_AA_0246         1         75.4           1 □ 05         LLWE_AA_0246         1         75.4           1 □ 05         LLWE_AA_0246         1         75.4           1 □ 05         LLWE_AA_0246         1         77.6           1 □ 05         LLWE_AA_0246         0         77.6           1 □ 05         LLWE_AA_0246         0         77.6           1 □ 10         LLWE_AA_0246         0         77.6           1 □ 11         LLWE_AA_0246         0         77.6	<b>!</b> □ D3	CEWE_AA_0245	1	79.8			
1 □ D6         CEWE_AA_0245         1         75.7           1 □ D7         ILWE_AA_0245         1         77.0           1 □ D8         ILWE_AA_0245         1         77.0           1 □ D9         ILWE_AA_0245         1         78.5           1 □ D10         ILWE_AA_0245         0         1           1 □ D11         ILWE_AA_0245         1         74.5           1 □ D1         ILWE_AA_0246         1         80.2           1 □ E3         CEWE_AA_0246         1         80.2           1 □ E4         CEWE_AA_0246         1         75.0           1 □ E5         CEWE_AA_0246         1         75.4           1 □ E7         ILWE_AA_0246         1         77.8           1 □ E8         ILWE_AA_0246         1         77.6           1 □ E9         ILWE_AA_0246         0         77.6           1 □ E1         NTC         0         77.6	<b>!</b> □ D4	CEWE_AA_0245	1	75.8			
1 □ D7         LWE_AA_0245         1         78.7           1 □ D8         LWE_AA_0245         1         77.0           1 □ D9         LWE_AA_0245         1         78.5           1 □ D10         LWE_AA_0245         0         1           1 □ D12         LWE_AA_0245         0         74.5           1 □ D12         LWE_AA_0246         0         1           1 □ E3         CEWE_AA_0246         1         80.2           1 □ E4         CEWE_AA_0246         1         80.1           1 □ E5         CEWE_AA_0246         1         75.0           1 □ E6         CEWE_AA_0246         1         75.4           1 □ E7         LWE_AA_0246         1         77.8           1 □ E9         LWE_AA_0246         1         77.6           1 □ E1         LWE_AA_0246         0         77.6           1 □ E1         NTC         0         77.6	<b>!</b> □ D5	CEWE_AA_0245	1	76.3			
1 □ D8         LWE AA .0245         1         77.0           1 □ D9         LWE AA .0245         1         78.5           1 □ D10         LWE AA .0245         0         0           1 □ D11         LWE AA .0245         0         74.5           1 □ E1         CEWE AA .0246         1         74.5           1 □ E2         CEWE AA .0246         1         80.2           1 □ E3         CEWE AA .0246         1         80.2           1 □ E4         CEWE AA .0246         1         75.5           1 □ E5         CEWE AA .0246         1         75.5           1 □ E6         CEWE AA .0246         1         77.8           1 □ E7         LWE AA .0246         1         77.6           1 □ E1         LWE AA .0246         0         77.6           1 □ E1         LWE AA .0246         0         77.6           1 □ E1         LWE AA .0246         0         77.6           1 □ H1         NTC         0         77.6           1 □ H2         NTC         0         77.6           1 □ H3         NTC         0         77.6           1 □ H3         NTC         0         77.6           1	<b>!</b> □ D6	CEWE_AA_0245	1	75.7			
I □ D9         LWE_AA_0245         1         78.5           I □ D10         LWE_AA_0245         0         1           I □ D12         LWE_AA_0245         0         74.5           I □ E1         CEWE_AA_0246         0         80.2           I □ E2         CEWE_AA_0246         1         80.2           I □ E3         CEWE_AA_0246         1         80.1           I □ E4         CEWE_AA_0246         1         75.0           I □ E5         CEWE_AA_0246         1         75.4           I □ E6         CEWE_AA_0246         1         75.4           I □ E7         LWE_AA_0246         1         76.4           I □ E9         LWE_AA_0246         1         77.6           I □ E10         LWE_AA_0246         0         77.6           I □ E11         LWE_AA_0246         0         77.6           I □ E12         LWE_AA_0246         0         77.6           I □ H1         NTC         0         77.6           I □ H2         NTC         0         77.6           I □ H3         NTC         0         77.6           I □ H3         NTC         0         77.6           I □ H3	<b>!</b>	ILWE_AA_0245	1	78.7			
I □ D10         ILWE_AA_0245         0           I □ D11         ILWE_AA_0245         0           I □ D12         ILWE_AA_0246         1         74.5           I □ E1         CEWE_AA_0246         0         1           I □ E2         CEWE_AA_0246         1         80.2           I □ E3         CEWE_AA_0246         1         80.1           I □ E4         CEWE_AA_0246         1         75.0           I □ E6         CEWE_AA_0246         1         75.5           I □ E7         ILWE_AA_0246         1         77.8           I □ E8         ILWE_AA_0246         1         77.6           I □ E10         ILWE_AA_0246         0         77.6           I □ E11         ILWE_AA_0246         0         77.6           I □ E12         ILWE_AA_0246         0         77.6           I □ E12         ILWE_AA_0246         0         77.6           I □ E12         ILWE_AA_0246         0         77.6           I □ E13         ILWE_AA_0246         0         77.6           I □ E14         NTC         0         77.6           I □ H3         NTC         0         77.6           I □ H3         N	<b>!</b>	ILWE_AA_0245	1	77.0			
1	<b>!</b> □ D9	ILWE_AA_0245	1	78.5			
I D12         ILWE_AA_0245         1         74.5           I E E1         CEWE_AA_0246         0         80.2           I E E2         CEWE_AA_0246         1         80.1           I E E4         CEWE_AA_0246         1         75.0           I E E5         CEWE_AA_0246         1         75.5           I E E6         CEWE_AA_0246         1         77.8           I E E7         ILWE_AA_0246         1         77.8           I E E8         ILWE_AA_0246         1         77.6           I E E9         ILWE_AA_0246         0         77.6           I E E1         NTC         0         77.6           I H B         NTC         0         77.6           I H B <t< td=""><td><b>!</b> □ D10</td><td>ILWE_AA_0245</td><td>0</td><td></td><td></td><td></td><td></td></t<>	<b>!</b> □ D10	ILWE_AA_0245	0				
I E1         CEWE_AA_0246         0           I E2         CEWE_AA_0246         1         80.2           I E3         CEWE_AA_0246         1         80.1           I E4         CEWE_AA_0246         1         75.0           I E6         CEWE_AA_0246         1         75.5           I E7         ILWE_AA_0246         1         77.8           I E8         ILWE_AA_0246         1         77.6           I E9         ILWE_AA_0246         1         77.6           I E10         ILWE_AA_0246         0         1           I E11         ILWE_AA_0246         0         1           I E12         ILWE_AA_0246         0         1           I H1         NTC         0         1           I H2         NTC         0         1           I H3         NTC         0         1           I H5         NTC         0         1           I H6         NTC         0         1           I H6         NTC         0         1           I H7         water         0         1           I H6         NTC         0         1           I H7	<b>!</b> □ D11	ILWE_AA_0245	0				
	! <b>■</b> D12	ILWE_AA_0245	1	74.5			
I E3         CEWE_AA_0246         1         80.1           I E4         CEWE_AA_0246         1         75.0           I E5         CEWE_AA_0246         1         75.5           I E6         CEWE_AA_0246         1         77.8           I E7         ILWE_AA_0246         1         77.6           I E9         ILWE_AA_0246         1         77.6           I E10         ILWE_AA_0246         0         1           I E12         ILWE_AA_0246         0         1           I H1         NTC         0         1           I H2         NTC         0         1           I H3         NTC         0         1           I H4         NTC         0         1           I H4         NTC         0         1           I H4         NTC         0         1           I H5         NTC         0         1           I H4         NTC         0         1           I H4         NTC         0         1           I H5         NTC         0         1           I H4         NTC         0         1           I H5         NTC	_ ! <b>∏</b> E1	CEWE_AA_0246	0				
! E4         CEWE_AA_0246         1         75.0           ! E5         CEWE_AA_0246         1         75.5           ! E6         CEWE_AA_0246         1         75.4           ! E7         ILWE_AA_0246         1         77.8           ! E9         ILWE_AA_0246         1         77.6           ! E10         ILWE_AA_0246         0         1           ! E12         ILWE_AA_0246         0         1           ! E12         ILWE_AA_0246         0         1           ! H1         NTC         0         1           ! H2         NTC         0         1           ! H3         NTC         0         1           ! H4         NTC	_ !∏ E2	CEWE_AA_0246	1	80.2			
! E5         CEWE_AA_0246         1         75.5           ! E6         CEWE_AA_0246         1         75.4           ! E7         ILWE_AA_0246         1         76.4           ! E8         ILWE_AA_0246         1         77.6           ! E10         ILWE_AA_0246         0         1           ! E11         ILWE_AA_0246         0         1           I E12         ILWE_AA_0246         0         1           I H1         NTC         0         1           I H2         NTC         0         1           I H3         NTC         0         1           I H4         NTC         0         1           I H5         NTC         0         1           I H6         NTC         0         1           I H7         water         0         1           I H8         water         0         1           I H9         water         0         1           I H10         water         0         1	<b>!</b>	CEWE_AA_0246	1	80.1			
!	! <b></b>	CEWE_AA_0246	1	75.0			
E7	<b>!</b>	CEWE_AA_0246	1	75.5			
	<b>!</b>	CEWE_AA_0246	1	75.4			
I E9         ILWE_AA_0246         1         77.6           I E10         ILWE_AA_0246         0           I E11         ILWE_AA_0246         0           I H1         NTC         0           I H2         NTC         0           I H3         NTC         0           I H4         NTC         0           I H5         NTC         0           I H6         NTC         0           I H7         water         0           I H8         water         0           II H9         water         0           II H1         Water         0	! <b></b>	ILWE_AA_0246	1	77.8			
	<b>!</b>	ILWE_AA_0246	1	76.4			
E11   ILWE_AA_0246   0       E12   ILWE_AA_0246   0       E12     ILWE_AA_0246   0	<b>!</b>	ILWE_AA_0246	1	77.6			
E12	<b>!</b>	ILWE_AA_0246	0				
I H1       NTC       0         I H2       NTC       0         I H3       NTC       0         I H4       NTC       0         I H5       NTC       0         I H6       NTC       0         I H7       water       0         I H8       water       0         I H9       water       0         I H10       water       0	! <b></b>	ILWE_AA_0246	0				
- H2 NTC 0 - H3 NTC 0 - H4 NTC 0 - H5 NTC 0 - H6 NTC 0 - H6 NTC 0 - H7 water 0 - H8 water 0 - H9 water 0 - H10 water 0	<b>!</b>	ILWE_AA_0246	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	<b>-</b> ☐ H1	NTC	0				
- H4 NTC 0 - H5 NTC 0 - H6 NTC 0 - H7 water 0 - H8 water 0 - H9 water 0 - H10 water 0	<b>-</b> ☐ H2	NTC	0				
-	<b>-</b> □ H3	NTC	0				
- □ H6       NTC       0         - □ H7       water       0         - □ H8       water       0         - □ H9       water       0         - □ H10       water       0		NTC	0				
-□ H6       NTC       0         -□ H7       water       0         -□ H8       water       0         -□ H9       water       0         -□ H10       water       0	<b>-</b> □ H5	NTC	0				
-		NTC	0				
-□ H8       water       0         -□ H9       water       0         -□ H10       water       0		water	0				
- ☐ H9       water       0         - ☐ H10       water       0		water	0				
<b>-</b> H10 water 0		water	0				
		water	0				
	-T H11	water	0				
— H12 water 0		water	0				



#### **Melting curve**



Threshold 33%

