

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72901621_2019-09-20_13-16-17.xad

Created: 9/20/2019 1:16:17 PM
Modified: 9/20/2019 1:57:37 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE72901621 Firmware: C.01.069
Serial#: DE72901621 Type: G2939A

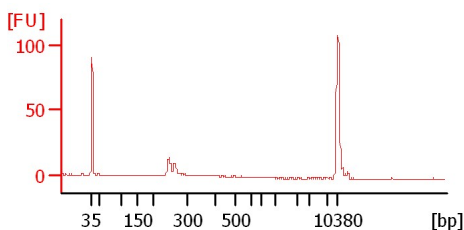
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

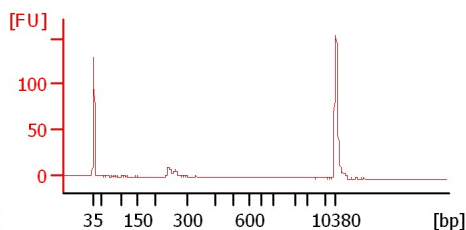
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

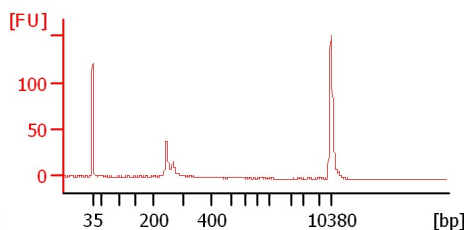
Martin lain bahl emilie olivia dilute...



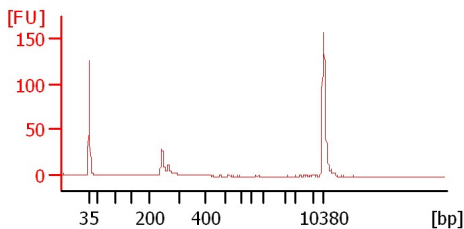
Martin lain bahl emilie olivia dilute...



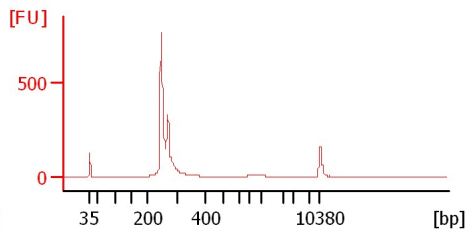
Martin lain bahl pernille chip 2 dilu...



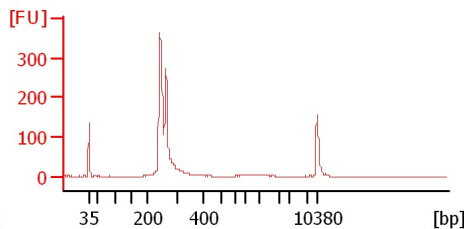
Martin lain bahl pernille chip 2 dilu...



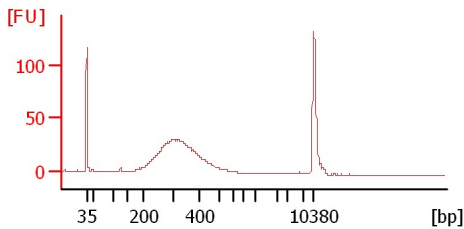
Martin lain bahl pernille chip 2 stock



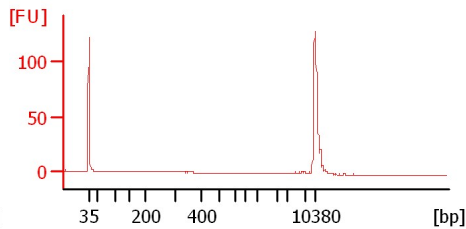
Martin lain bahl emilie olivia stock



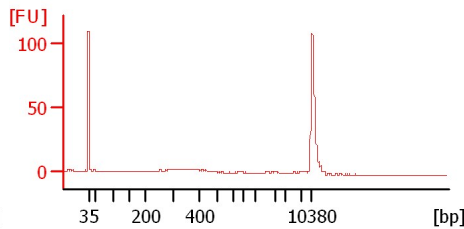
Kursus 2019 library 25



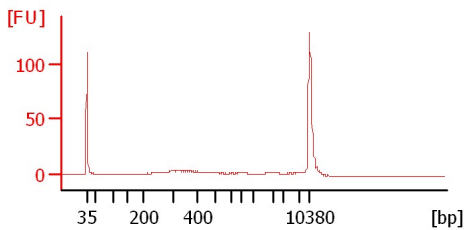
Kursus 2019 library 26



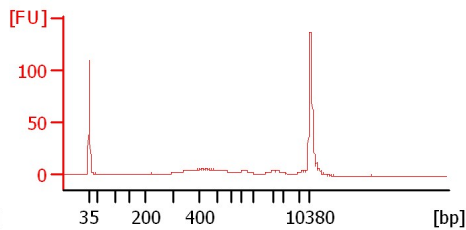
Kursus 2019 library 27



Kursus 2019 library 28



Kursus 2019 library 29



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Martin lain bahl emilie olivia diluted 1:20		<input type="checkbox"/>	✓			
Martin lain bahl emilie olivia diluted 1:30		<input type="checkbox"/>	✓			
Martin lain bahl pernille chip 2 diluted 1:20		<input type="checkbox"/>	✓			
Martin lain bahl pernille chip 2 diluted 1:30		<input type="checkbox"/>	✓			
Martin lain bahl pernille chip 2 stock		<input type="checkbox"/>	✓			
Martin lain bahl emilie olivia stock		<input type="checkbox"/>	✓			
Kursus 2019 library 25		<input type="checkbox"/>	✓			
Kursus 2019 library 26		<input type="checkbox"/>	✓			
Kursus 2019 library 27		<input type="checkbox"/>	✓			
Kursus 2019 library 28		<input type="checkbox"/>	✓			
Kursus 2019 library 29		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

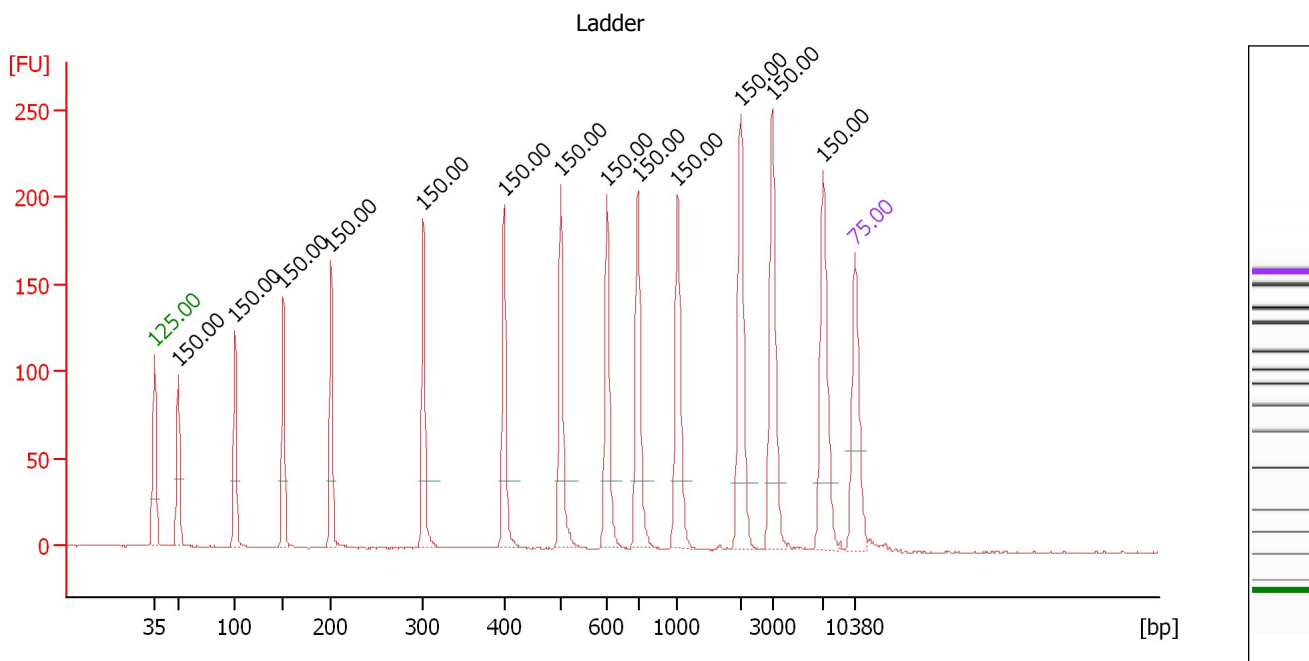
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

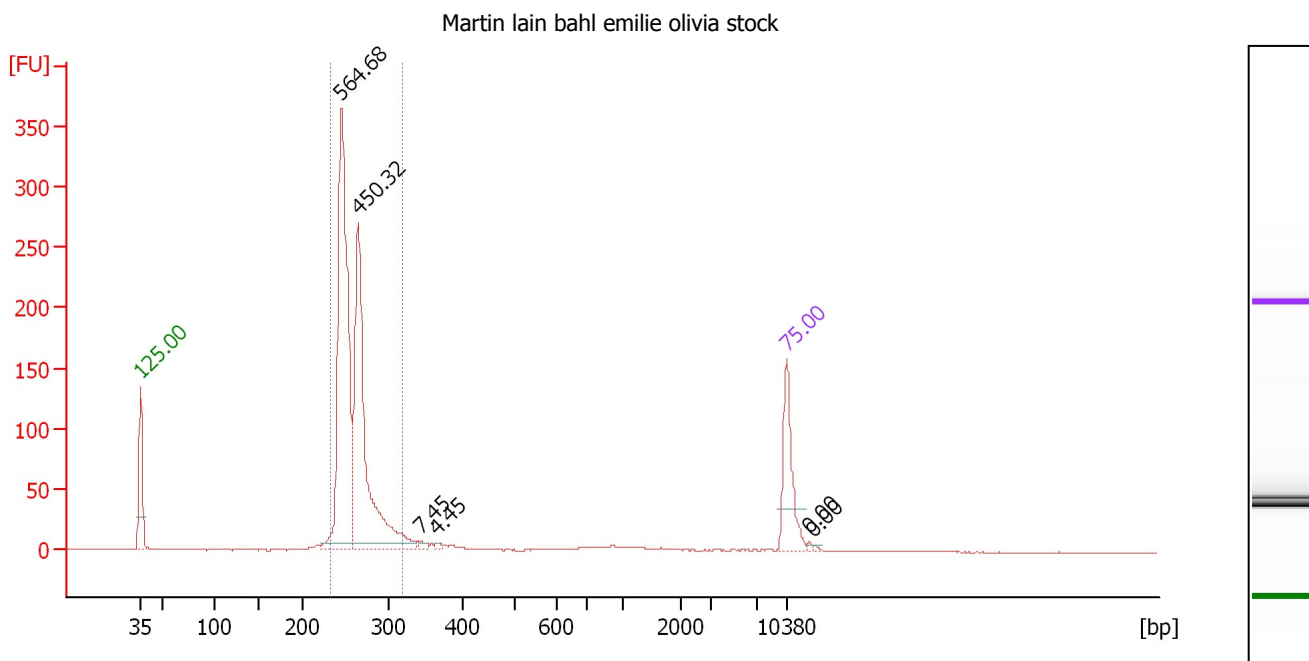
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...



Overall Results for sample 6 : Martin lain bahl emilie olivia stock

Number of peaks found: 6 Corr. Area 1: 1,202.6
 Noise: 0.4

Peak table for sample 6 : Martin lain bahl emilie olivia stock

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	245	564.68	3,496.8	
3	265	450.32	2,577.9	
4	343	7.45	32.9	
5	365	4.45	18.5	
6	10,380	75.00	10.9	Upper Marker
7	12,981	0.00	0.0	
8	13,454	0.00	0.0	

Region table for sample 6 : Martin lain bahl emilie olivia stock

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
231	319	1,202.6	89	258	6.3	981.90	5,764.9	Blue

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Gel Image

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/20/2019 1:57:34 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-09-20\2100 expert_High Sensitivity DNA Assay_DE72901621_2019-09-20_13-16-17.xad)		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Product Number : G2939A		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Name :		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Vendor : Agilent Technologies		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Serial# : DE72901621		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Firmware : C.01.069		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Cartridge : Electrode		Instrument	Run		9/20/2019 1:16:22 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02