

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-29\2017-11-29_002.xad

Created: 11/29/2017 1:34:47 PM
Modified: 11/29/2017 2:16:09 PM

Electrophoresis File Run Summary

Instrument Information:

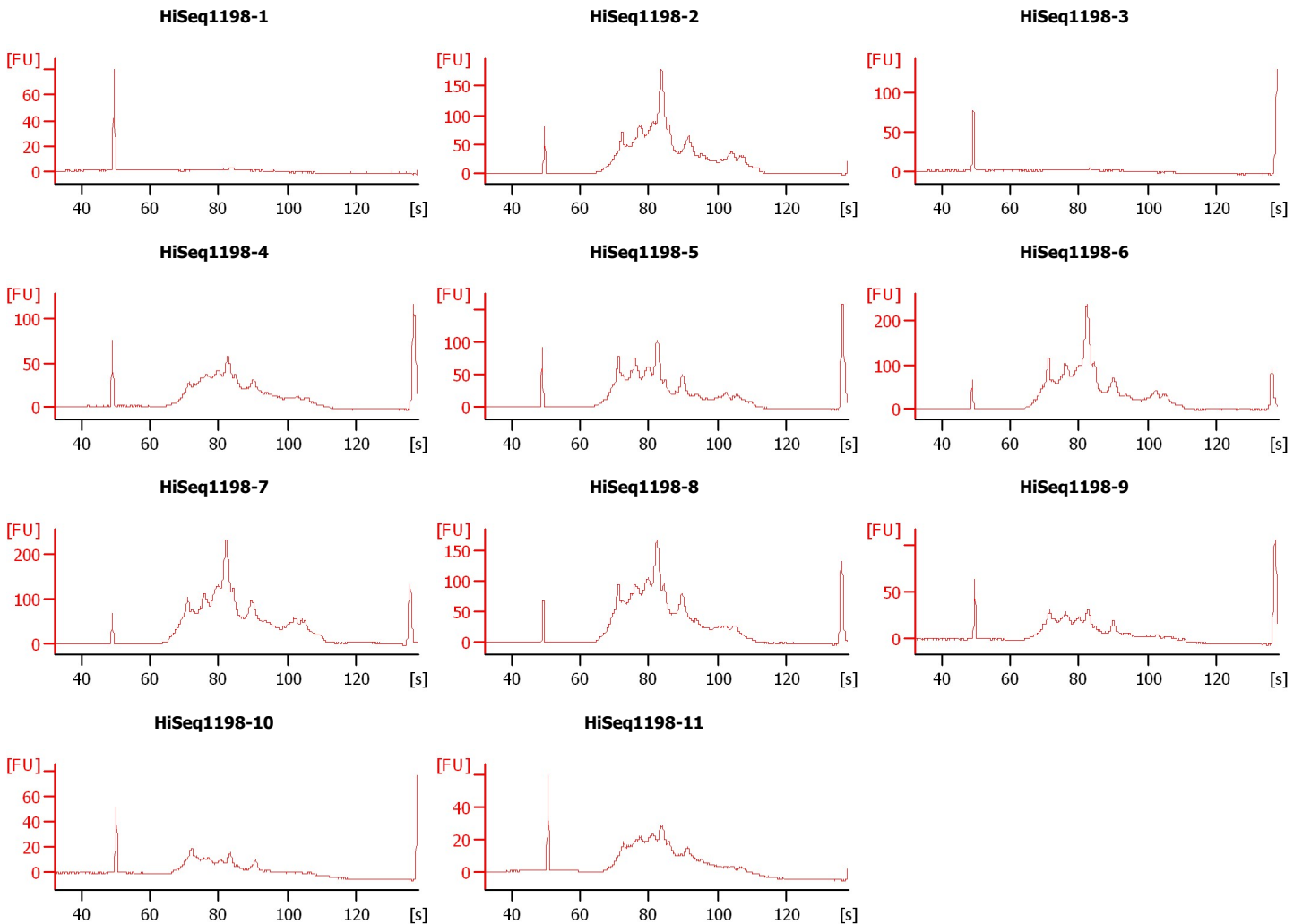
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HiSeq1198-1		<input type="checkbox"/>	✓			
HiSeq1198-2		<input type="checkbox"/>	✓			
HiSeq1198-3		<input type="checkbox"/>	✓			
HiSeq1198-4		<input type="checkbox"/>	✓			
HiSeq1198-5		<input type="checkbox"/>	✓			
HiSeq1198-6		<input type="checkbox"/>	✓			
HiSeq1198-7		<input type="checkbox"/>	✓			
HiSeq1198-8		<input type="checkbox"/>	✓			
HiSeq1198-9		<input type="checkbox"/>	✓			
HiSeq1198-10		<input type="checkbox"/>	✓			
HiSeq1198-11		<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/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 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

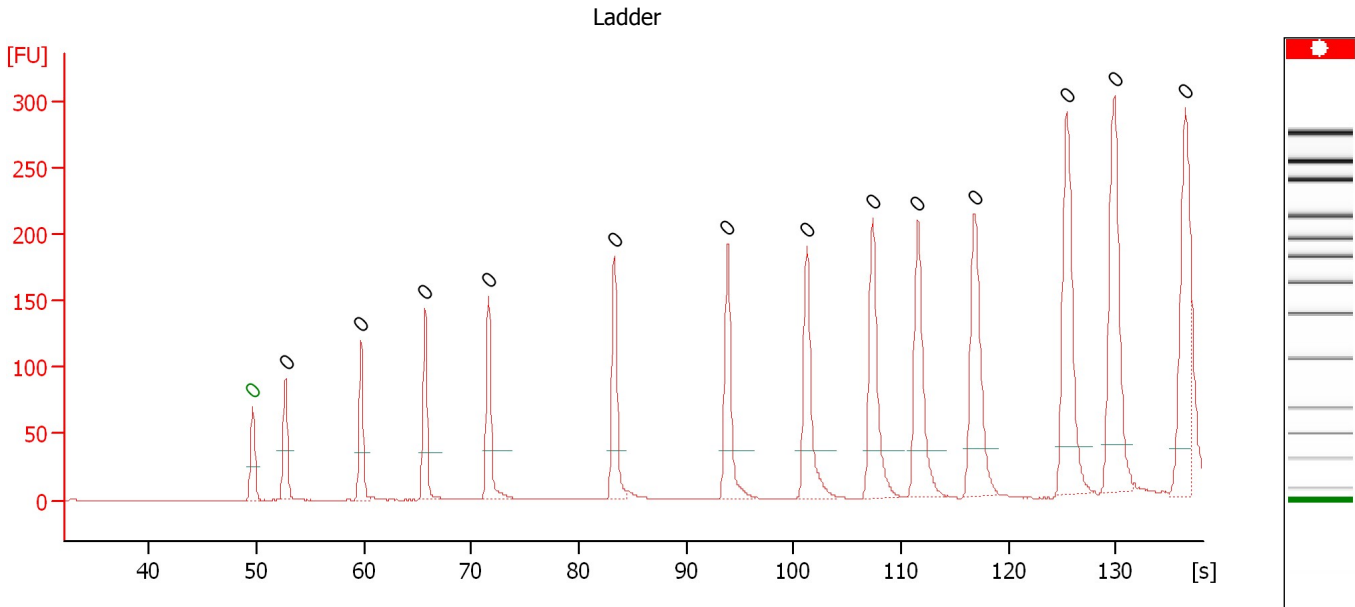
Ladder

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: 0.2

Peak table for Ladder

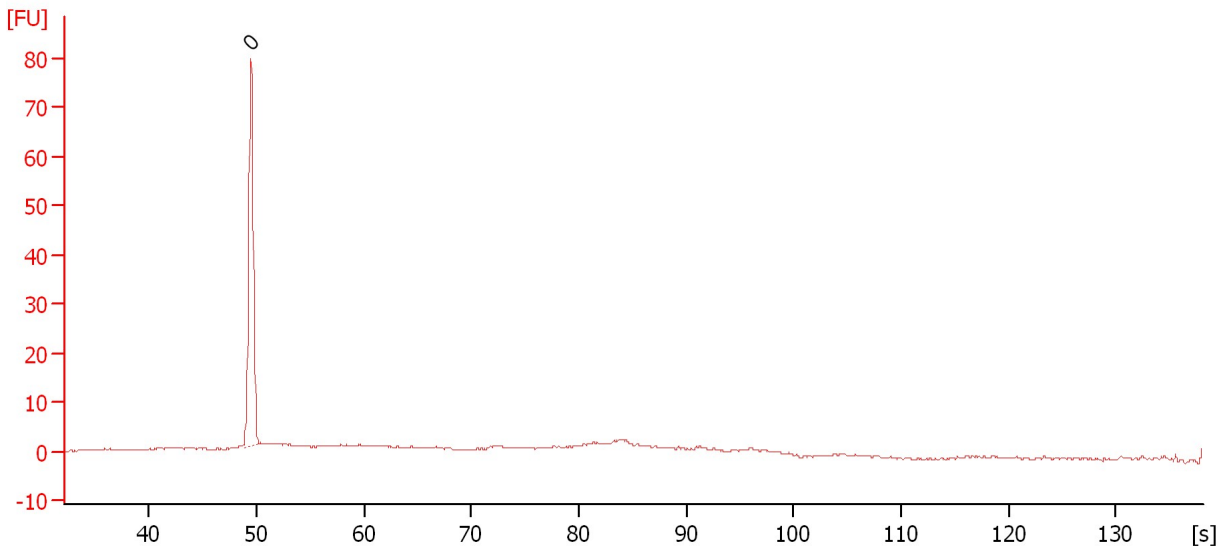
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	49.65
2	0	0.00	0.0	Ladder Peak	52.70
3	0	0.00	0.0	Ladder Peak	59.75
4	0	0.00	0.0	Ladder Peak	65.70
5	0	0.00	0.0	Ladder Peak	71.60
6	0	0.00	0.0	Ladder Peak	83.30
7	0	0.00	0.0	Ladder Peak	93.85
8	0	0.00	0.0	Ladder Peak	101.25
9	0	0.00	0.0	Ladder Peak	107.35
10	0	0.00	0.0	Ladder Peak	111.55
11	0	0.00	0.0	Ladder Peak	116.85
12	0	0.00	0.0	Ladder Peak	125.45
13	0	0.00	0.0	Ladder Peak	129.85
14	0	0.00	0.0	Ladder Peak	136.50

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Electropherogram Summary Continued ...

HiSeq1198-1



Overall Results for sample 1 : HiSeq1198-1

Number of peaks found: 0 Noise: 0.2

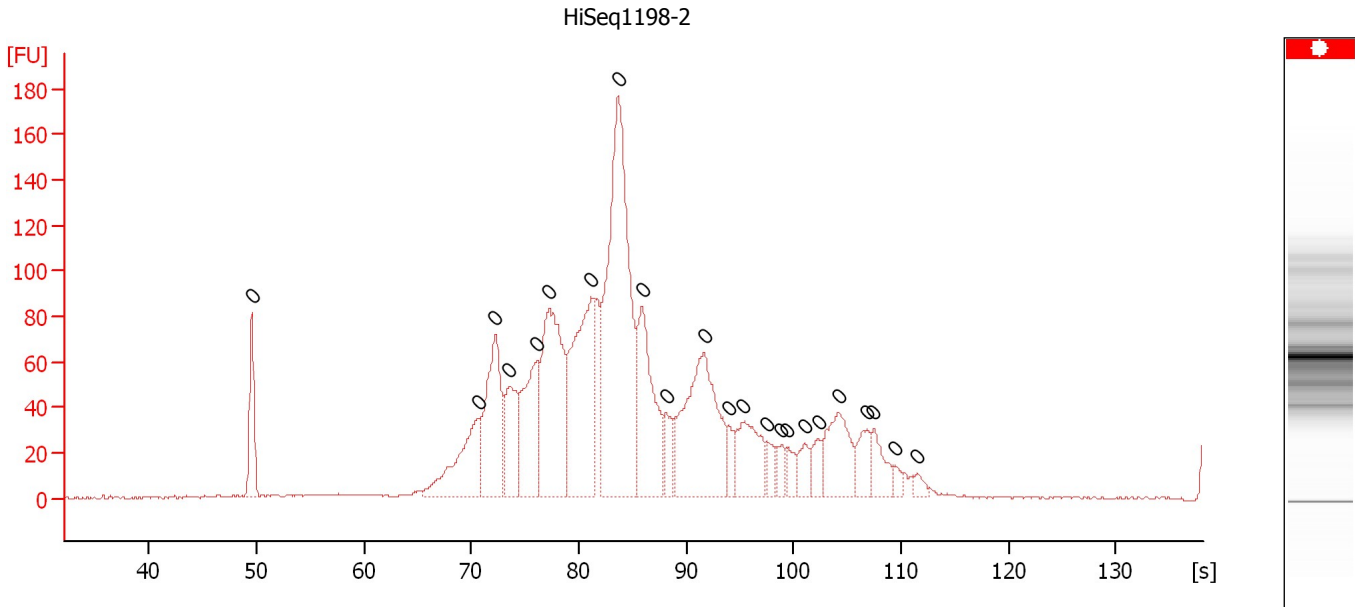
Peak table for sample 1 : HiSeq1198-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.50

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Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1198-2

Number of peaks found: 0 Noise: 0.3

Peak table for sample 2 : HiSeq1198-2

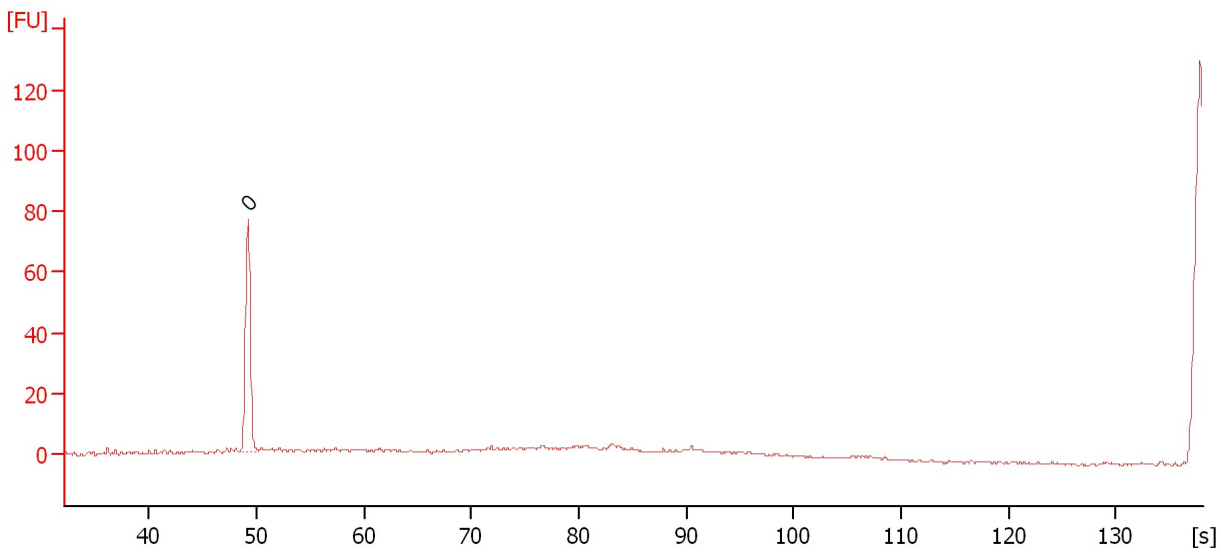
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.55
2	0	0.00	0.0		70.70
3	0	0.00	0.0		72.25
4	0	0.00	0.0		73.55
5	0	0.00	0.0		76.10
6	0	0.00	0.0		77.25
7	0	0.00	0.0		81.15
8	0	0.00	0.0		83.65
9	0	0.00	0.0		85.90
10	0	0.00	0.0		88.15
11	0	0.00	0.0		91.65
12	0	0.00	0.0		93.95
13	0	0.00	0.0		95.35
14	0	0.00	0.0		97.50
15	0	0.00	0.0		98.85
16	0	0.00	0.0		99.35
17	0	0.00	0.0		101.00
18	0	0.00	0.0		102.35
19	0	0.00	0.0		104.20
20	0	0.00	0.0		106.85
21	0	0.00	0.0		107.45
22	0	0.00	0.0		109.40
23	0	0.00	0.0		111.50

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Electropherogram Summary Continued ...

HiSeq1198-3



Overall Results for sample 3 : HiSeq1198-3

Number of peaks found: 0 Noise: 0.4

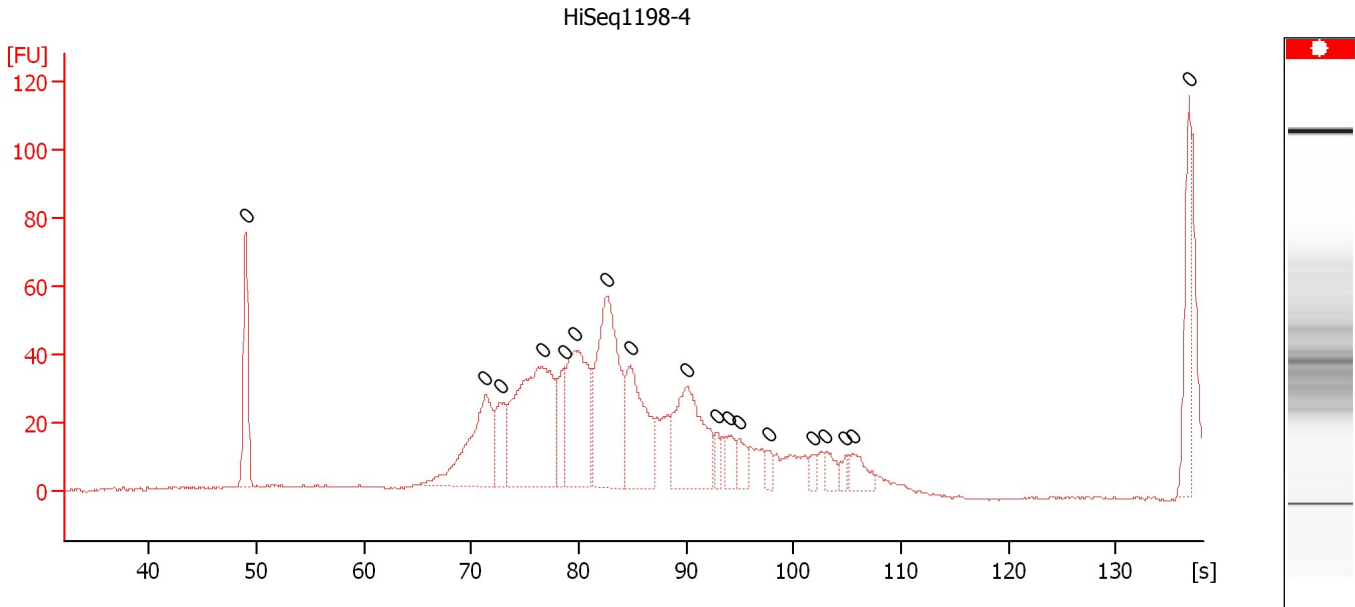
Peak table for sample 3 : HiSeq1198-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.20

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1198-4

Number of peaks found: 0 Noise: 0.2

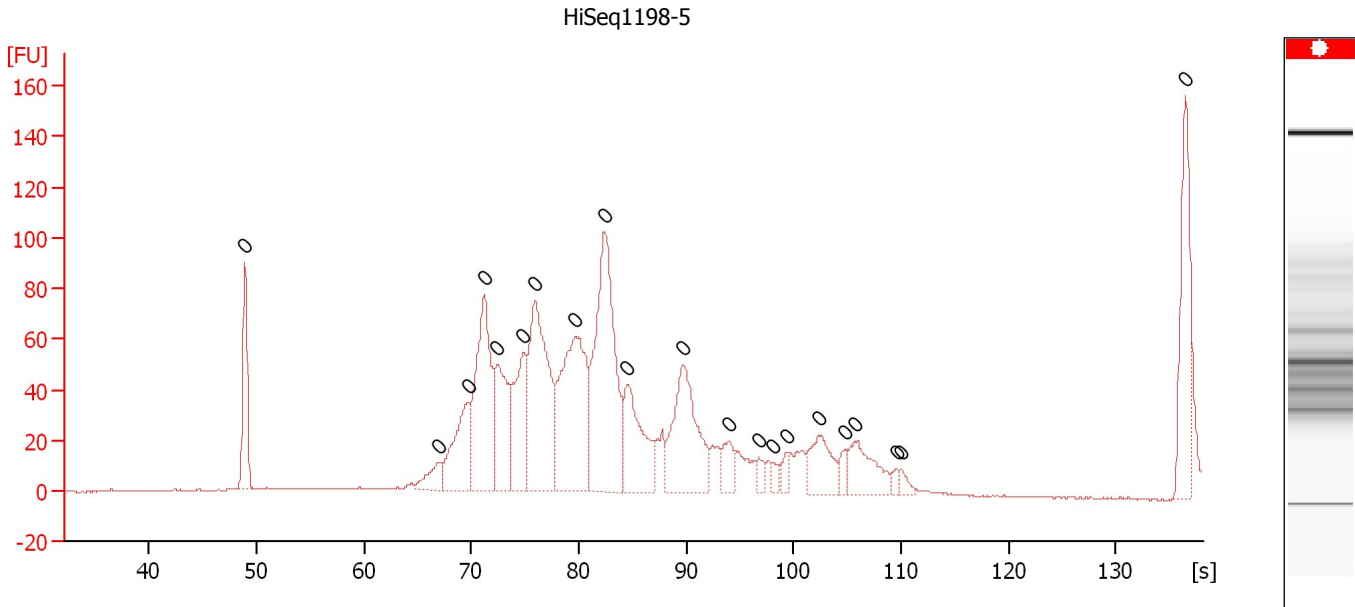
Peak table for sample 4 : HiSeq1198-4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.00
2	0	0.00	0.0		71.30
3	0	0.00	0.0		72.70
4	0	0.00	0.0		76.60
5	0	0.00	0.0		78.60
6	0	0.00	0.0		79.60
7	0	0.00	0.0		82.65
8	0	0.00	0.0		84.80
9	0	0.00	0.0		90.05
10	0	0.00	0.0		92.80
11	0	0.00	0.0		93.95
12	0	0.00	0.0		94.90
13	0	0.00	0.0		97.70
14	0	0.00	0.0		101.85
15	0	0.00	0.0		102.90
16	0	0.00	0.0		104.80
17	0	0.00	0.0		105.50
18	0	0.00	0.0		136.80

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Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq1198-5

Number of peaks found: 0 Noise: 0.3

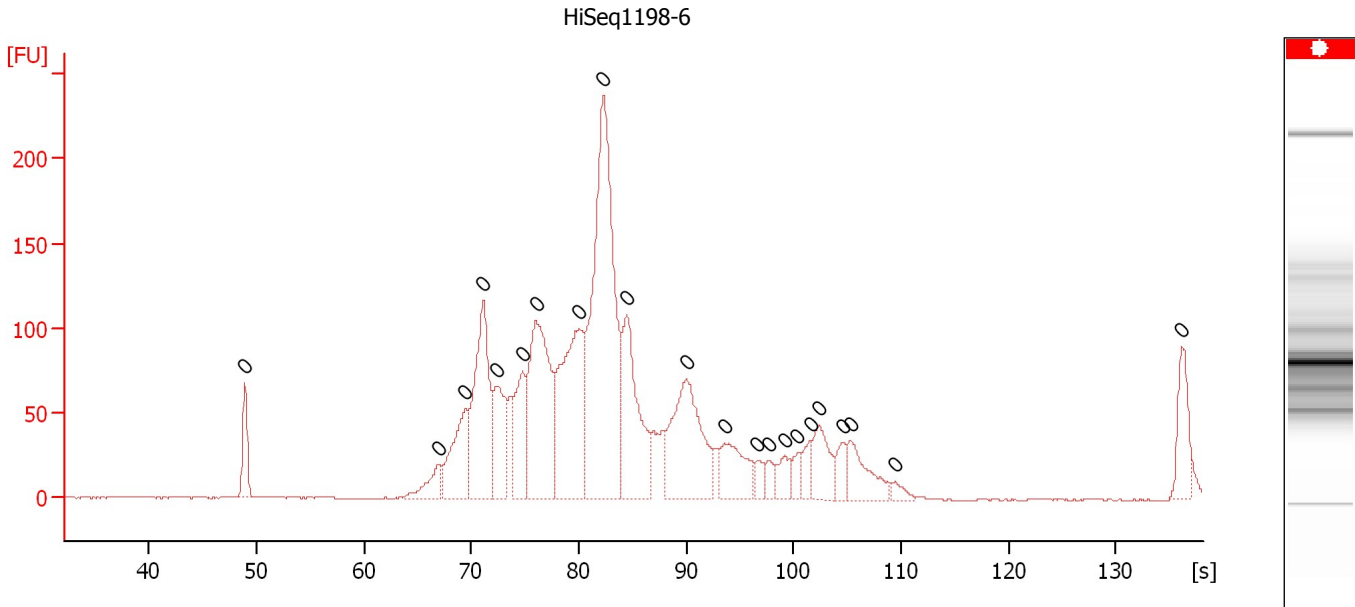
Peak table for sample 5 : HiSeq1198-5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		48.90
2	0	0.00	0.0		67.00
3	0	0.00	0.0		69.65
4	0	0.00	0.0		71.20
5	0	0.00	0.0		72.40
6	0	0.00	0.0		74.85
7	0	0.00	0.0		75.90
8	0	0.00	0.0		79.70
9	0	0.00	0.0		82.35
10	0	0.00	0.0		84.55
11	0	0.00	0.0		89.70
12	0	0.00	0.0		94.00
13	0	0.00	0.0		96.80
14	0	0.00	0.0		98.10
15	0	0.00	0.0		99.35
16	0	0.00	0.0		102.30
17	0	0.00	0.0		104.85
18	0	0.00	0.0		105.70
19	0	0.00	0.0		109.55
20	0	0.00	0.0		110.00
21	0	0.00	0.0		136.50

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Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq1198-6

Number of peaks found: 0 Noise: 0.3

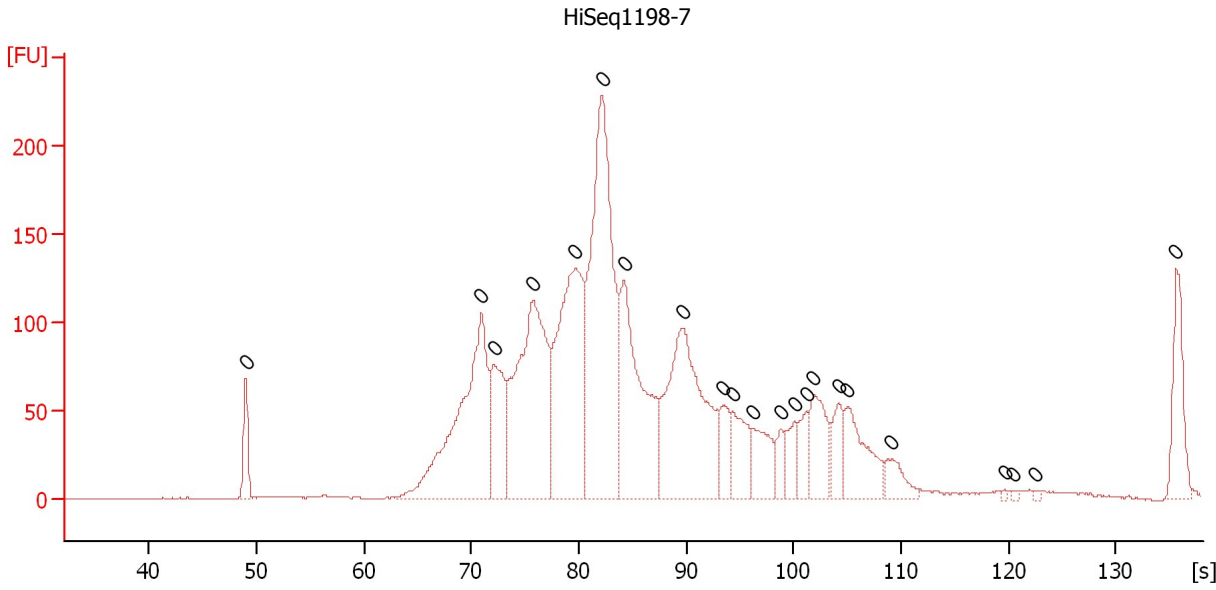
Peak table for sample 6 : HiSeq1198-6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		48.90
2	0	0.00	0.0		66.95
3	0	0.00	0.0		69.45
4	0	0.00	0.0		71.10
5	0	0.00	0.0		72.35
6	0	0.00	0.0		74.80
7	0	0.00	0.0		76.00
8	0	0.00	0.0		80.00
9	0	0.00	0.0		82.30
10	0	0.00	0.0		84.50
11	0	0.00	0.0		90.00
12	0	0.00	0.0		93.55
13	0	0.00	0.0		96.60
14	0	0.00	0.0		97.70
15	0	0.00	0.0		99.15
16	0	0.00	0.0		100.40
17	0	0.00	0.0		101.55
18	0	0.00	0.0		102.40
19	0	0.00	0.0		104.55
20	0	0.00	0.0		105.30
21	0	0.00	0.0		109.45
22	0	0.00	0.0		136.15

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Electropherogram Summary Continued ...



Overall Results for sample 7 : HiSeq1198-7

Number of peaks found: 0 Noise: 0.3

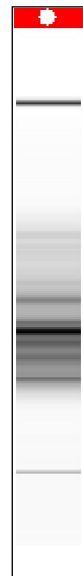
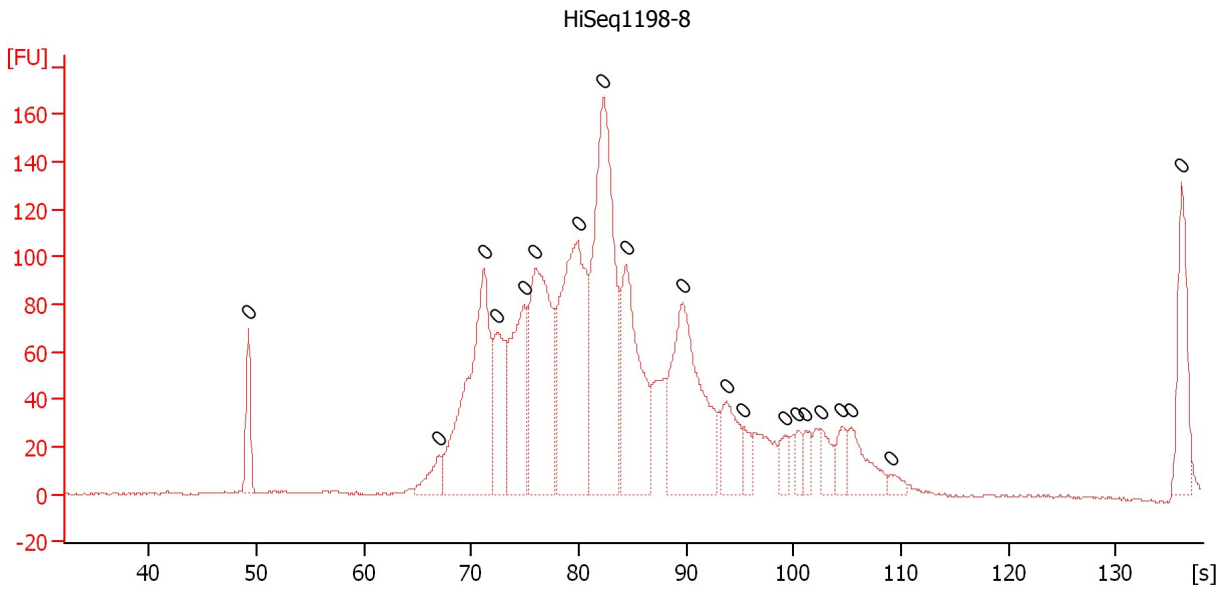
Peak table for sample 7 : HiSeq1198-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.00
2	0	0.00	0.0		70.95
3	0	0.00	0.0		72.10
4	0	0.00	0.0		75.75
5	0	0.00	0.0		79.70
6	0	0.00	0.0		82.15
7	0	0.00	0.0		84.25
8	0	0.00	0.0		89.60
9	0	0.00	0.0		93.40
10	0	0.00	0.0		94.30
11	0	0.00	0.0		96.25
12	0	0.00	0.0		98.80
13	0	0.00	0.0		100.05
14	0	0.00	0.0		101.15
15	0	0.00	0.0		101.85
16	0	0.00	0.0		104.20
17	0	0.00	0.0		105.05
18	0	0.00	0.0		109.15
19	0	0.00	0.0		119.65
20	0	0.00	0.0		120.50
21	0	0.00	0.0		122.50
22	0	0.00	0.0		135.60

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Electropherogram Summary Continued ...



Overall Results for sample 8 : HiSeq1198-8

Number of peaks found: 0 Noise: 0.4

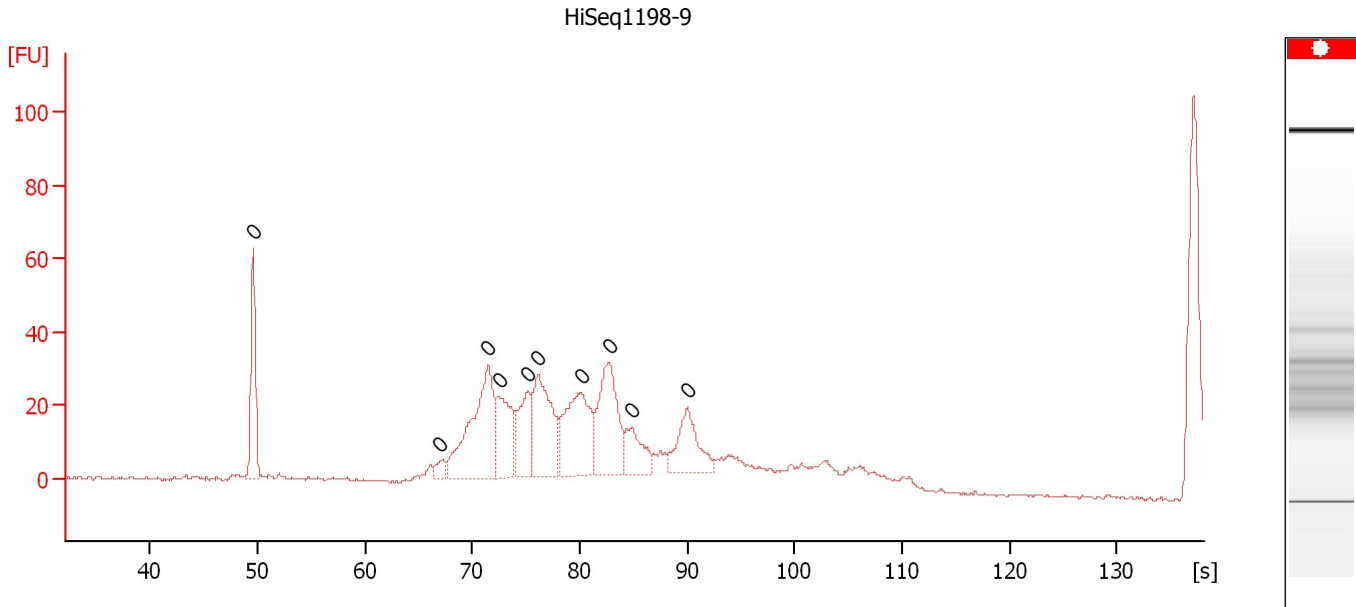
Peak table for sample 8 : HiSeq1198-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.20
2	0	0.00	0.0		66.95
3	0	0.00	0.0		71.20
4	0	0.00	0.0		72.35
5	0	0.00	0.0		74.90
6	0	0.00	0.0		75.95
7	0	0.00	0.0		79.90
8	0	0.00	0.0		82.30
9	0	0.00	0.0		84.40
10	0	0.00	0.0		89.65
11	0	0.00	0.0		93.70
12	0	0.00	0.0		95.35
13	0	0.00	0.0		99.15
14	0	0.00	0.0		100.40
15	0	0.00	0.0		101.10
16	0	0.00	0.0		102.55
17	0	0.00	0.0		104.50
18	0	0.00	0.0		105.40
19	0	0.00	0.0		109.00
20	0	0.00	0.0		136.10

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Electropherogram Summary Continued ...



Overall Results for sample 9 : HiSeq1198-9

Number of peaks found: 0 Noise: 0.4

Peak table for sample 9 : HiSeq1198-9

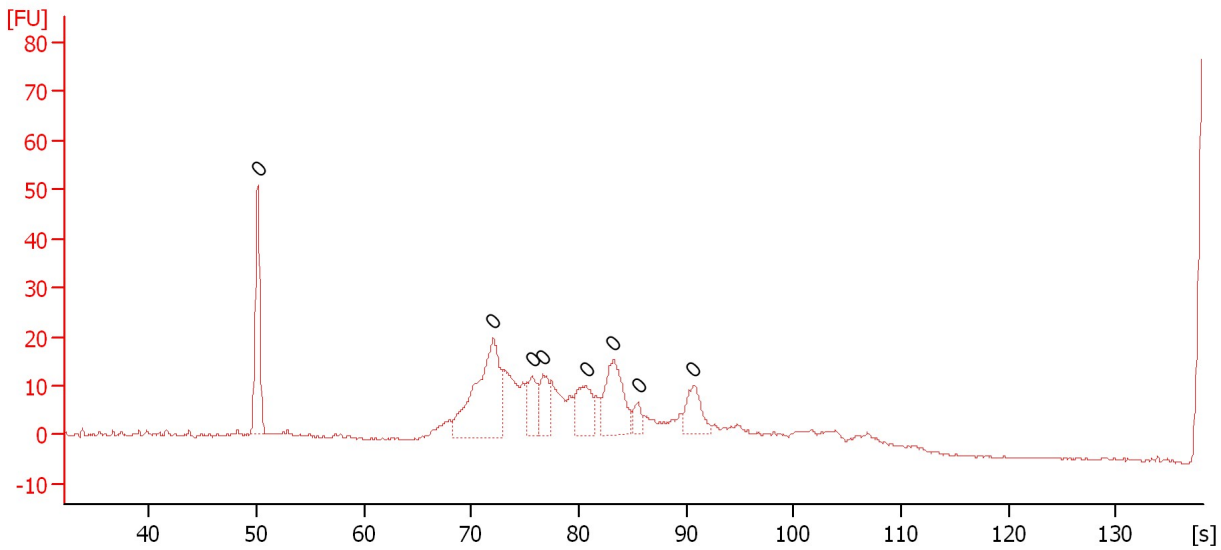
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.60
2	0	0.00	0.0		67.00
3	0	0.00	0.0		71.45
4	0	0.00	0.0		72.45
5	0	0.00	0.0		75.20
6	0	0.00	0.0		76.15
7	0	0.00	0.0		80.15
8	0	0.00	0.0		82.75
9	0	0.00	0.0		84.85
10	0	0.00	0.0		90.05

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HiSeq1198-10



Overall Results for sample 10 : HiSeq1198-10

Number of peaks found: 0 Noise: 0.3

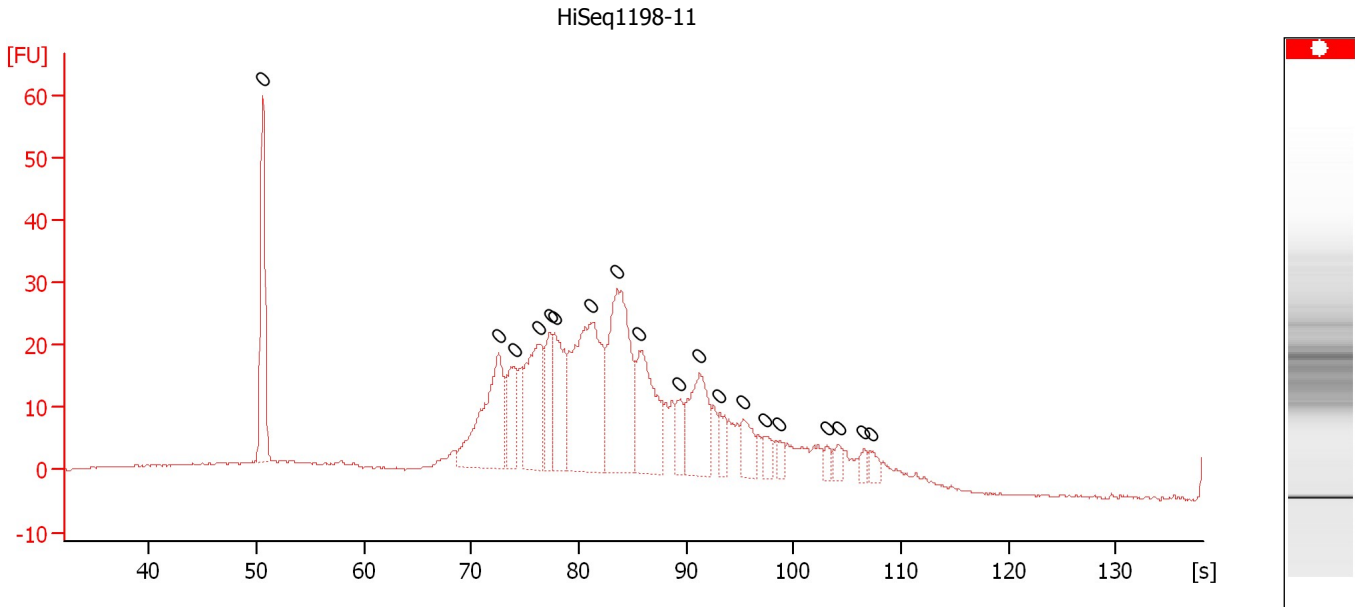
Peak table for sample 10 : HiSeq1198-10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.10
2	0	0.00	0.0		72.05
3	0	0.00	0.0		75.70
4	0	0.00	0.0		76.65
5	0	0.00	0.0		80.70
6	0	0.00	0.0		83.25
7	0	0.00	0.0		85.50
8	0	0.00	0.0		90.70

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Electropherogram Summary Continued ...



Overall Results for sample 11 : HiSeq1198-11

Number of peaks found: 0 Noise: 0.1

Peak table for sample 11 : HiSeq1198-11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.60
2	0	0.00	0.0		72.50
3	0	0.00	0.0		74.00
4	0	0.00	0.0		76.20
5	0	0.00	0.0		77.30
6	0	0.00	0.0		77.70
7	0	0.00	0.0		81.15
8	0	0.00	0.0		83.60
9	0	0.00	0.0		85.65
10	0	0.00	0.0		89.35
11	0	0.00	0.0		91.25
12	0	0.00	0.0		93.10
13	0	0.00	0.0		95.35
14	0	0.00	0.0		97.25
15	0	0.00	0.0		98.70
16	0	0.00	0.0		103.10
17	0	0.00	0.0		104.15
18	0	0.00	0.0		106.55
19	0	0.00	0.0		107.15

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