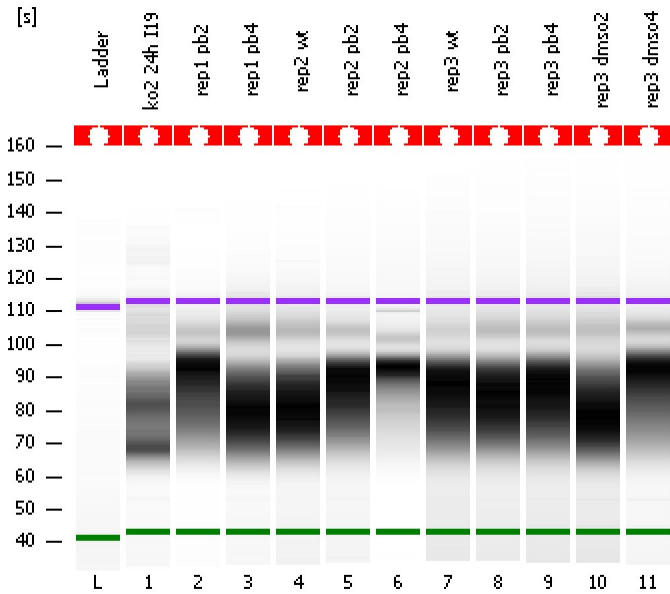


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
Modified: 3/16/2018 4:47:23 PM

Electrophoresis File Run Summary



Instrument Information:

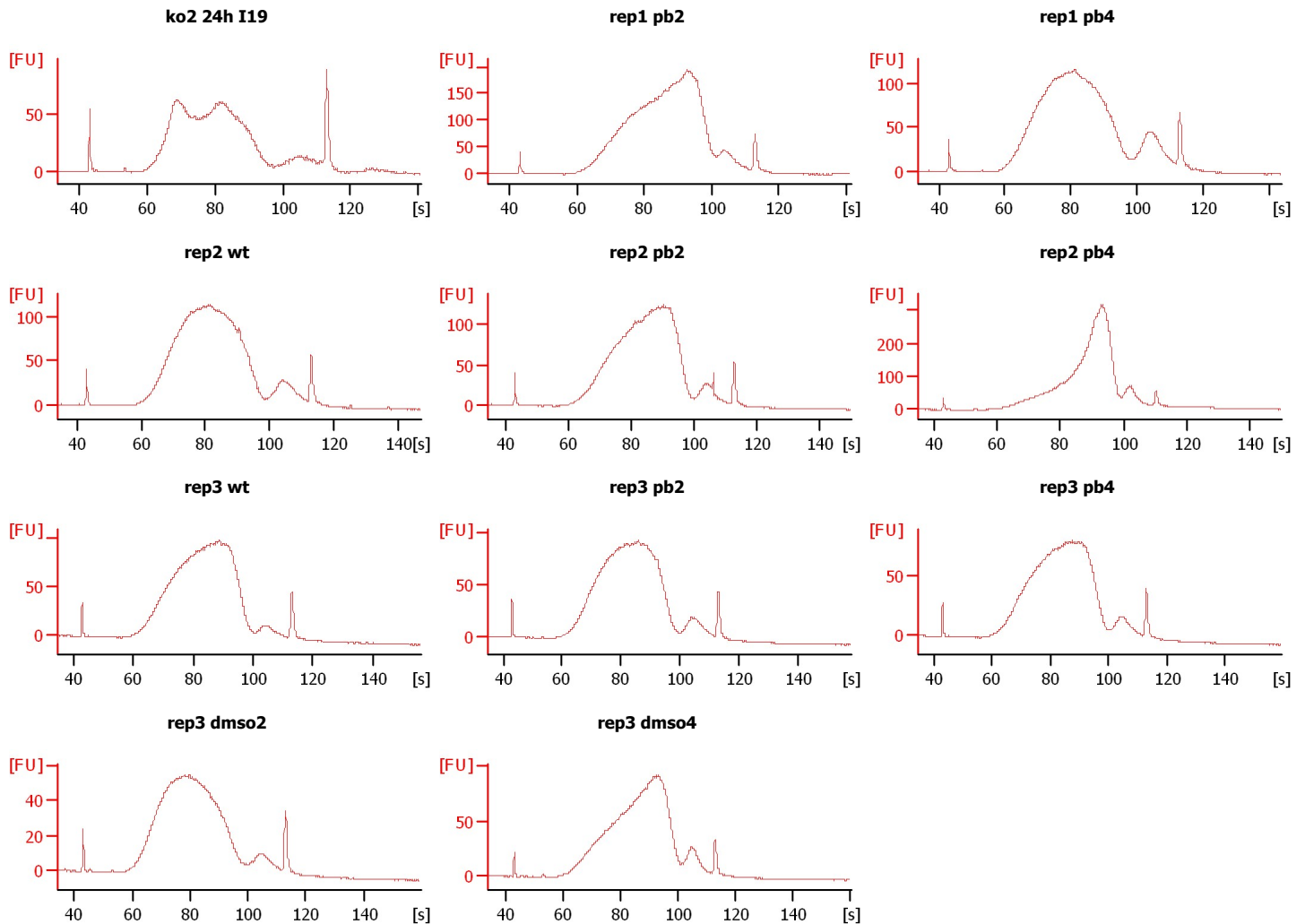
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
ko2 24h I19		<input type="checkbox"/>	✓			
rep1 pb2		<input type="checkbox"/>	✓			
rep1 pb4		<input type="checkbox"/>	✓			
rep2 wt		<input type="checkbox"/>	✓			
rep2 pb2		<input type="checkbox"/>	✓			
rep2 pb4		<input type="checkbox"/>	✓			
rep3 wt		<input type="checkbox"/>	✓			
rep3 pb2		<input type="checkbox"/>	✓			
rep3 pb4		<input type="checkbox"/>	✓			
rep3 dms02		<input type="checkbox"/>	✓			
rep3 dms04		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

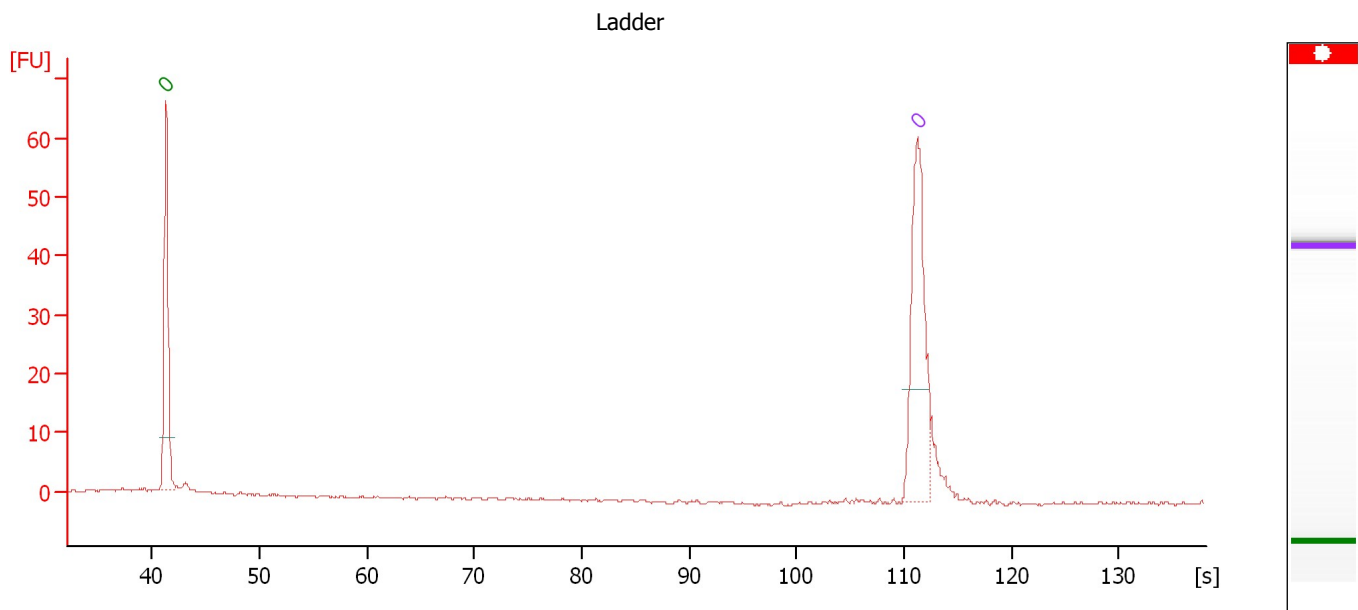
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

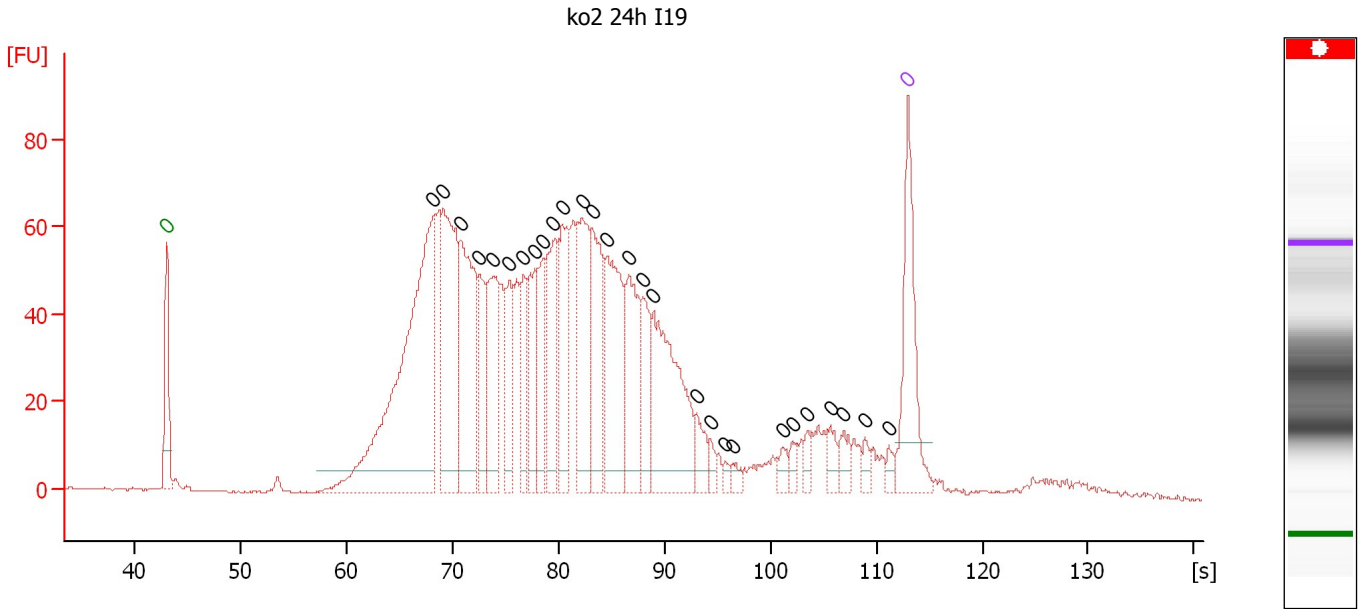
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	41.30
2	0	0.00	0.0	Upper Marker	111.25

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : ko2 24h I19

Number of peaks found: 28 Noise: 0.3

Peak table for sample 1 : ko2 24h I19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		68.11
3	0	0.00	0.0		69.12
4	0	0.00	0.0		70.75
5	0	0.00	0.0		72.52
6	0	0.00	0.0		73.79
7	0	0.00	0.0		75.36
8	0	0.00	0.0		76.68
9	0	0.00	0.0		77.70
10	0	0.00	0.0		78.56
11	0	0.00	0.0		79.47
12	0	0.00	0.0		80.33
13	0	0.00	0.0		82.21
14	0	0.00	0.0		83.17
15	0	0.00	0.0		84.54
16	0	0.00	0.0		86.62
17	0	0.00	0.0		87.99
18	0	0.00	0.0		88.96
19	0	0.00	0.0		93.01
20	0	0.00	0.0		94.33
21	0	0.00	0.0		95.75
22	0	0.00	0.0		96.46
23	0	0.00	0.0		101.13
24	0	0.00	0.0		102.04
25	0	0.00	0.0		103.51
26	0	0.00	0.0		105.64
27	0	0.00	0.0		106.91

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
Modified: 3/16/2018 4:47:23 PM

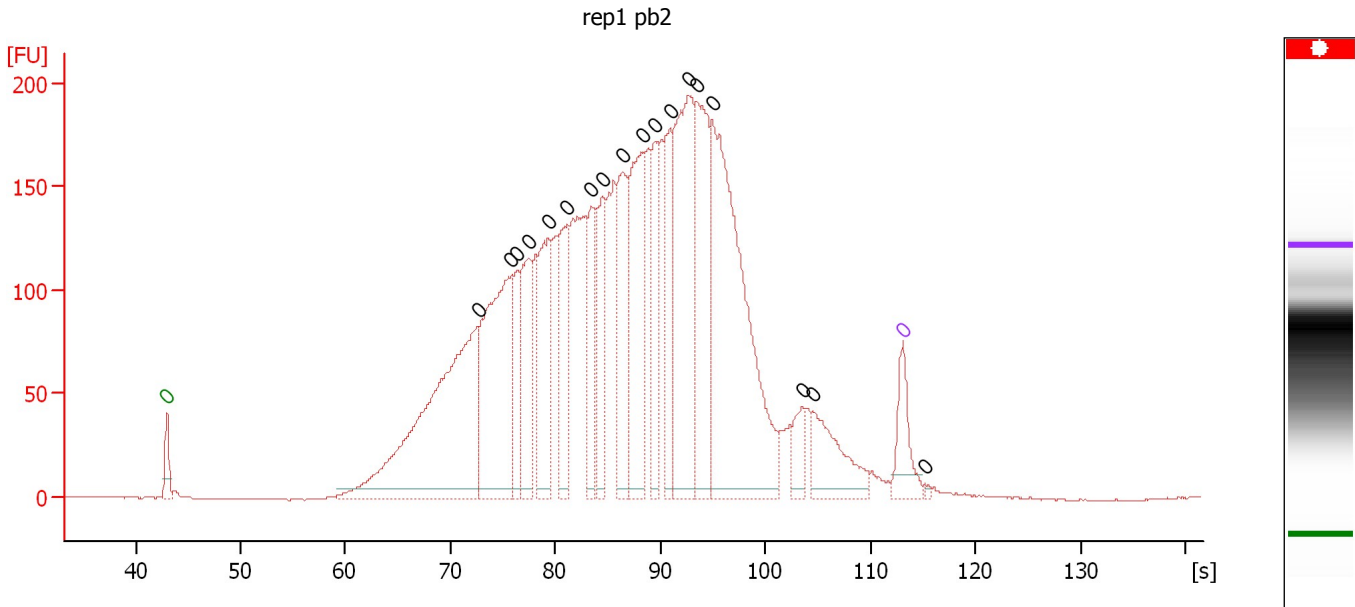
Electropherogram Summary Continued ...**... Peak table for sample 1 : ko2 24h I19**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		108.94
29	0	0.00	0.0		111.22
30	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : rep1 pb2

Number of peaks found: 18 Noise: 0.3

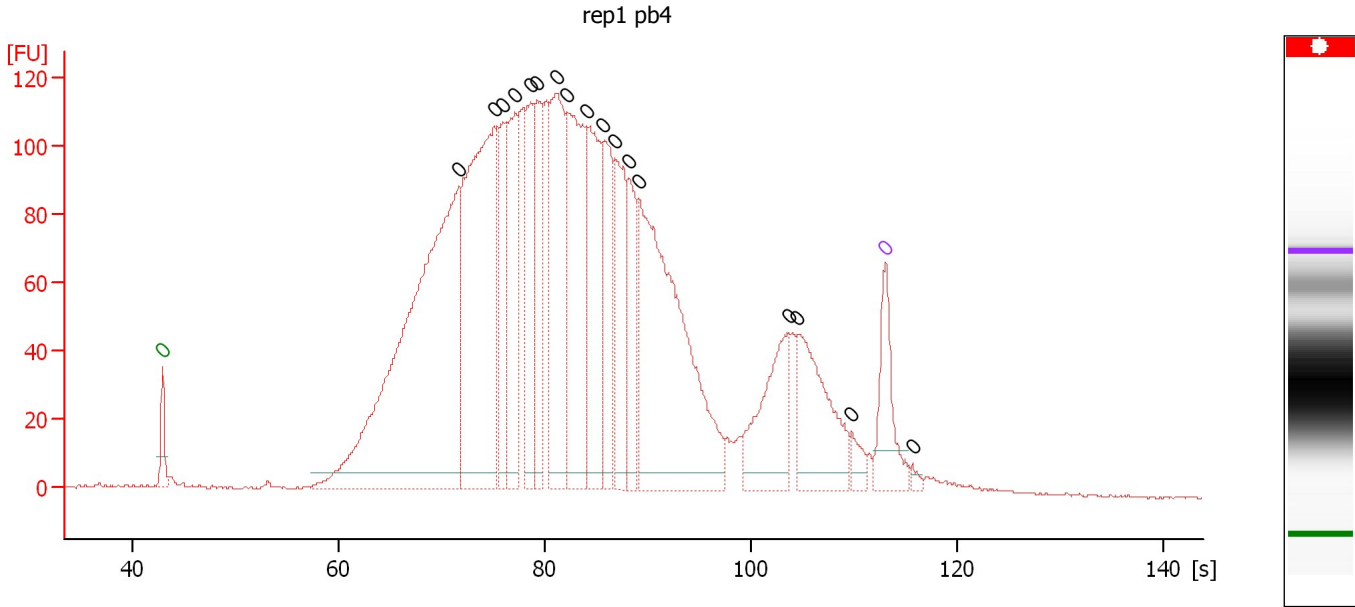
Peak table for sample 2 : rep1 pb2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		72.61
3	0	0.00	0.0		75.78
4	0	0.00	0.0		76.39
5	0	0.00	0.0		77.41
6	0	0.00	0.0		79.30
7	0	0.00	0.0		81.14
8	0	0.00	0.0		83.39
9	0	0.00	0.0		84.47
10	0	0.00	0.0		86.36
11	0	0.00	0.0		88.41
12	0	0.00	0.0		89.43
13	0	0.00	0.0		90.96
14	0	0.00	0.0		92.70
15	0	0.00	0.0		93.37
16	0	0.00	0.0		94.90
17	0	0.00	0.0		103.49
18	0	0.00	0.0		104.51
19	0	0.00	0.0	Upper Marker	113.00
20	0	0.00	0.0		115.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : rep1 pb4

Number of peaks found: 17 Noise: 0.5

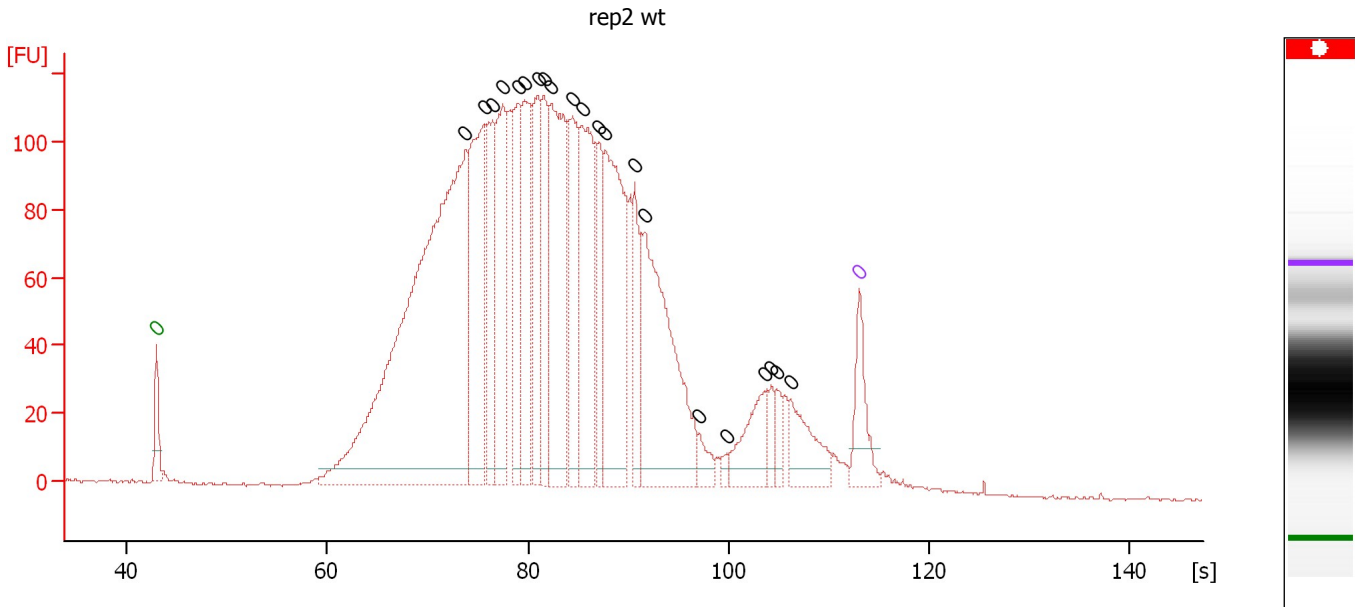
Peak table for sample 3 : rep1 pb4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		71.66
3	0	0.00	0.0		75.19
4	0	0.00	0.0		75.97
5	0	0.00	0.0		77.12
6	0	0.00	0.0		78.62
7	0	0.00	0.0		79.30
8	0	0.00	0.0		81.07
9	0	0.00	0.0		82.21
10	0	0.00	0.0		84.08
11	0	0.00	0.0		85.64
12	0	0.00	0.0		86.79
13	0	0.00	0.0		88.19
14	0	0.00	0.0		89.13
15	0	0.00	0.0		103.59
16	0	0.00	0.0		104.47
17	0	0.00	0.0		109.67
18	0	0.00	0.0	Upper Marker	113.00
19	0	0.00	0.0		115.60

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : rep2 wt

Number of peaks found: 21 Noise: 0.3

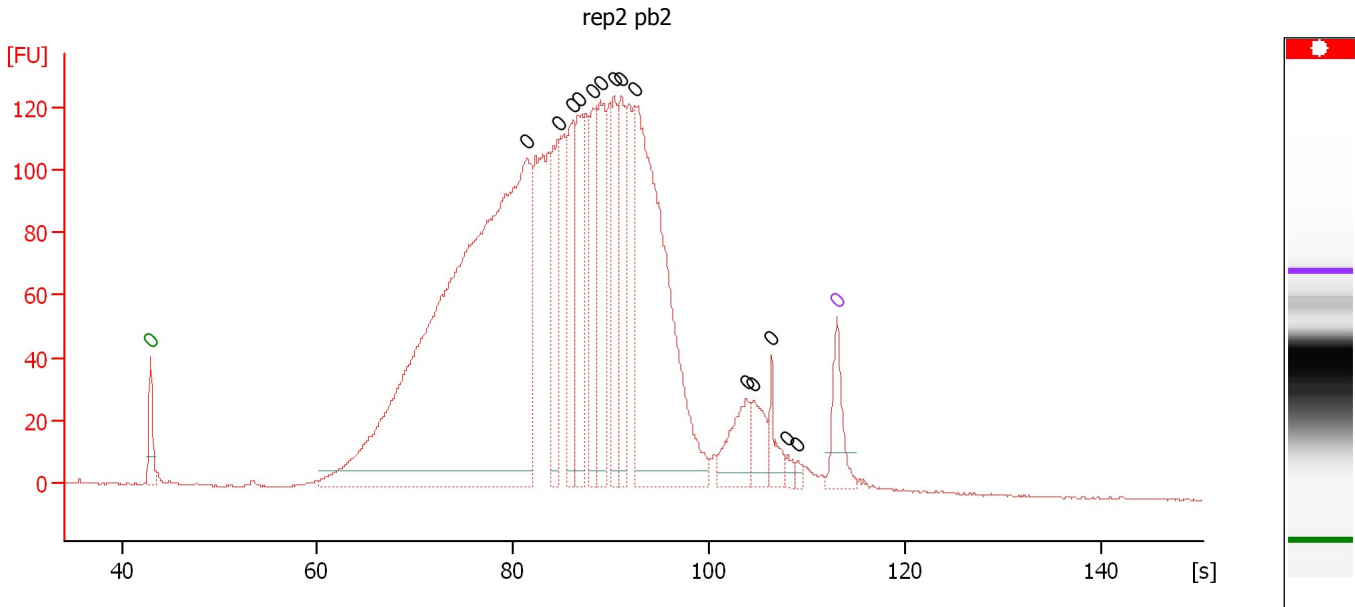
Peak table for sample 4 : rep2 wt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		73.77
3	0	0.00	0.0		75.59
4	0	0.00	0.0		76.50
5	0	0.00	0.0		77.52
6	0	0.00	0.0		79.02
7	0	0.00	0.0		79.66
8	0	0.00	0.0		81.00
9	0	0.00	0.0		81.59
10	0	0.00	0.0		82.28
11	0	0.00	0.0		84.42
12	0	0.00	0.0		85.39
13	0	0.00	0.0		86.99
14	0	0.00	0.0		87.74
15	0	0.00	0.0		90.63
16	0	0.00	0.0		91.59
17	0	0.00	0.0		97.05
18	0	0.00	0.0		99.83
19	0	0.00	0.0		103.53
20	0	0.00	0.0		104.22
21	0	0.00	0.0		104.76
22	0	0.00	0.0		106.15
23	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : rep2 pb2

Number of peaks found: 14 Noise: 0.2

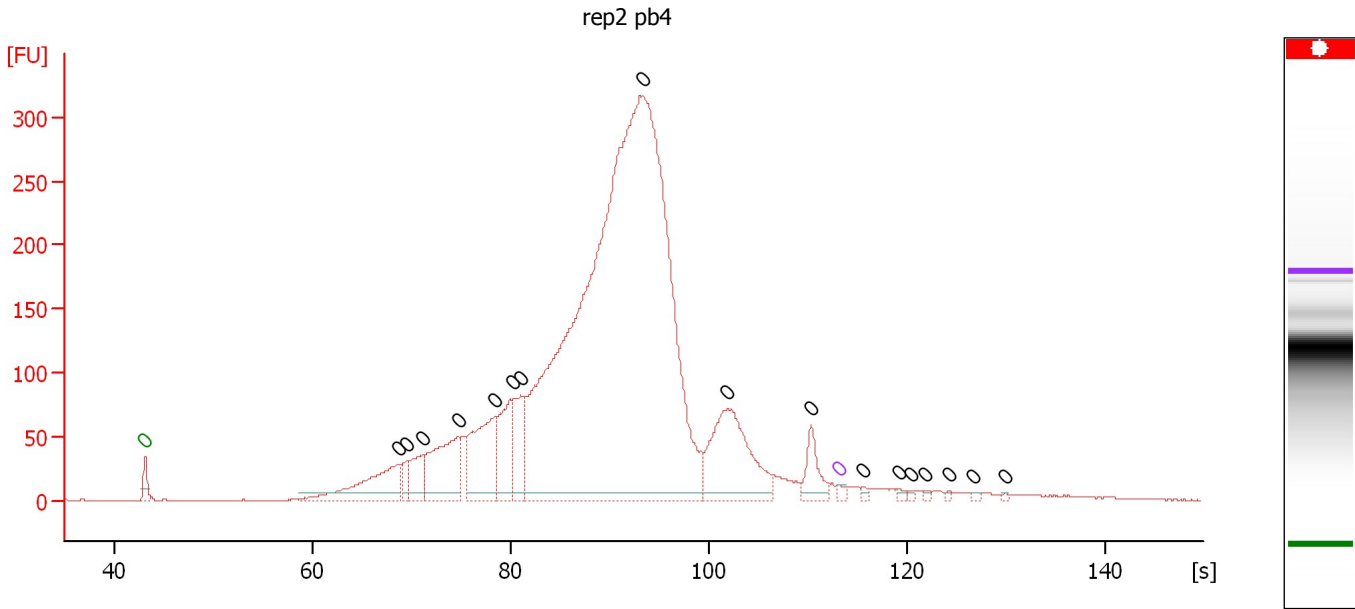
Peak table for sample 5 : rep2 pb2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		81.34
3	0	0.00	0.0		84.52
4	0	0.00	0.0		86.00
5	0	0.00	0.0		86.65
6	0	0.00	0.0		88.13
7	0	0.00	0.0		88.85
8	0	0.00	0.0		90.27
9	0	0.00	0.0		90.98
10	0	0.00	0.0		92.46
11	0	0.00	0.0		103.74
12	0	0.00	0.0		104.46
13	0	0.00	0.0		106.32
14	0	0.00	0.0		107.96
15	0	0.00	0.0		109.00
16	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

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 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : rep2 pb4

Number of peaks found: 17 Noise: 0.3

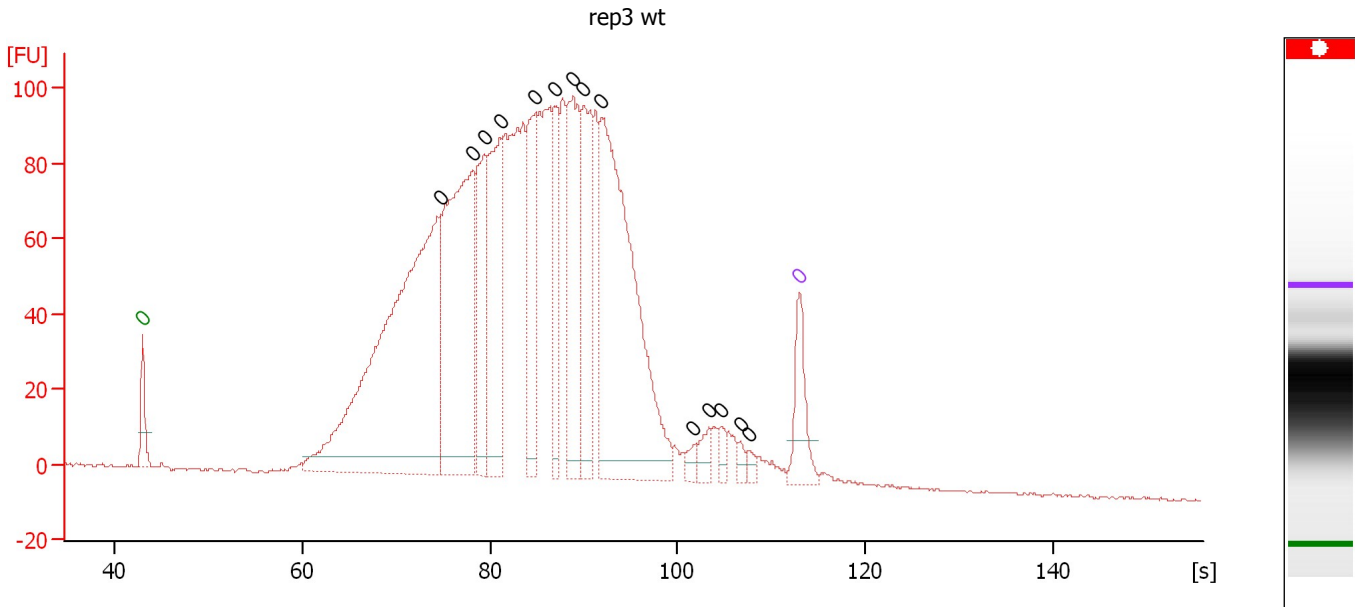
Peak table for sample 6 : rep2 pb4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		68.65
3	0	0.00	0.0		69.51
4	0	0.00	0.0		70.98
5	0	0.00	0.0		74.61
6	0	0.00	0.0		78.30
7	0	0.00	0.0		80.09
8	0	0.00	0.0		80.96
9	0	0.00	0.0		93.32
10	0	0.00	0.0		101.83
11	0	0.00	0.0		110.23
12	0	0.00	0.0	Upper Marker	113.00
13	0	0.00	0.0		115.44
14	0	0.00	0.0		119.07
15	0	0.00	0.0		120.43
16	0	0.00	0.0		121.78
17	0	0.00	0.0		124.12
18	0	0.00	0.0		126.72
19	0	0.00	0.0		129.81

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : rep3 wt

Number of peaks found: 14 Noise: 0.4

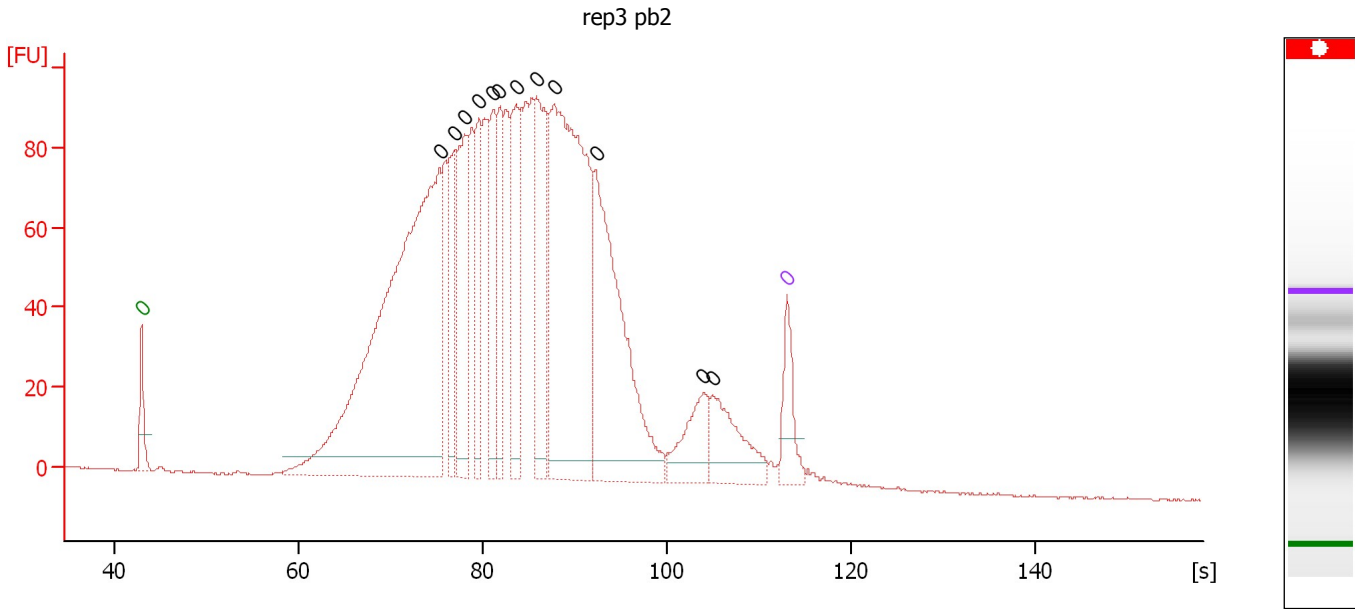
Peak table for sample 7 : rep3 wt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		74.71
3	0	0.00	0.0		78.14
4	0	0.00	0.0		79.35
5	0	0.00	0.0		81.06
6	0	0.00	0.0		84.84
7	0	0.00	0.0		86.90
8	0	0.00	0.0		88.85
9	0	0.00	0.0		89.99
10	0	0.00	0.0		91.88
11	0	0.00	0.0		101.61
12	0	0.00	0.0		103.38
13	0	0.00	0.0		104.70
14	0	0.00	0.0		106.65
15	0	0.00	0.0		107.68
16	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

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 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : rep3 pb2

Number of peaks found: 12 Noise: 0.2

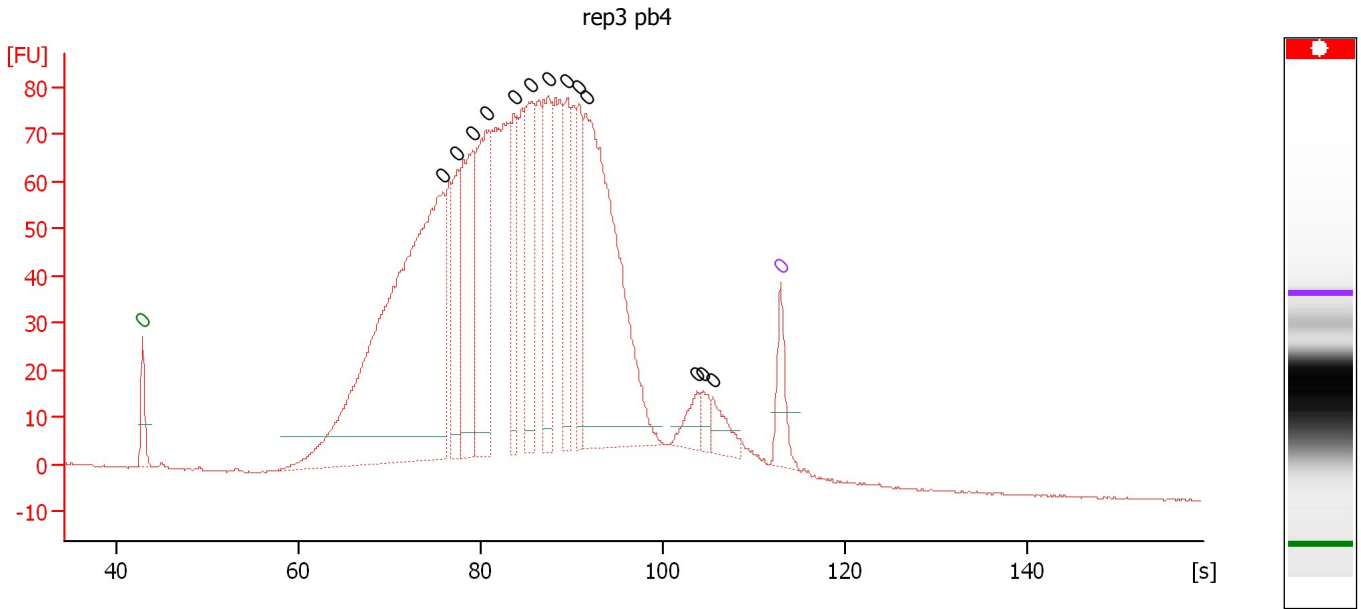
Peak table for sample 8 : rep3 pb2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		75.35
3	0	0.00	0.0		76.98
4	0	0.00	0.0		78.09
5	0	0.00	0.0		79.60
6	0	0.00	0.0		81.06
7	0	0.00	0.0		81.76
8	0	0.00	0.0		83.62
9	0	0.00	0.0		85.84
10	0	0.00	0.0		87.76
11	0	0.00	0.0		92.31
12	0	0.00	0.0		103.97
13	0	0.00	0.0		104.90
14	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : rep3 pb4

Number of peaks found: 13 Noise: 0.2

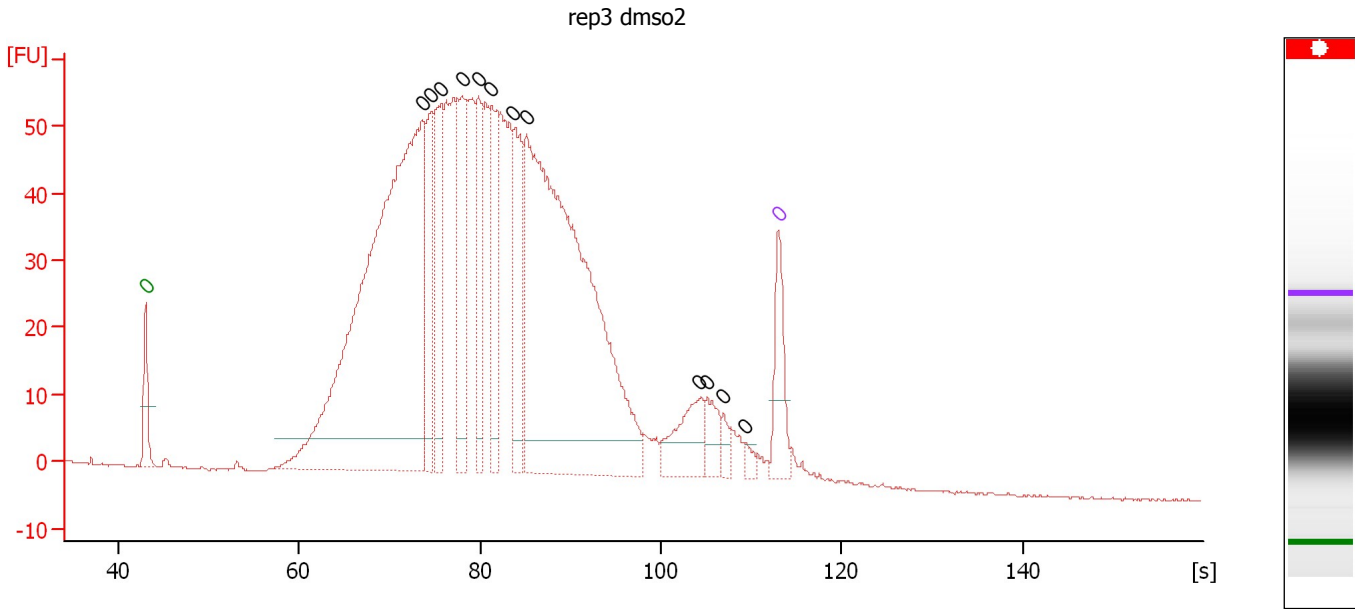
Peak table for sample 9 : rep3 pb4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		75.88
3	0	0.00	0.0		77.53
4	0	0.00	0.0		79.18
5	0	0.00	0.0		80.71
6	0	0.00	0.0		83.72
7	0	0.00	0.0		85.60
8	0	0.00	0.0		87.55
9	0	0.00	0.0		89.55
10	0	0.00	0.0		90.90
11	0	0.00	0.0		91.61
12	0	0.00	0.0		103.81
13	0	0.00	0.0		104.46
14	0	0.00	0.0		105.58
15	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

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 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : rep3 dms02

Number of peaks found: 12 Noise: 0.2

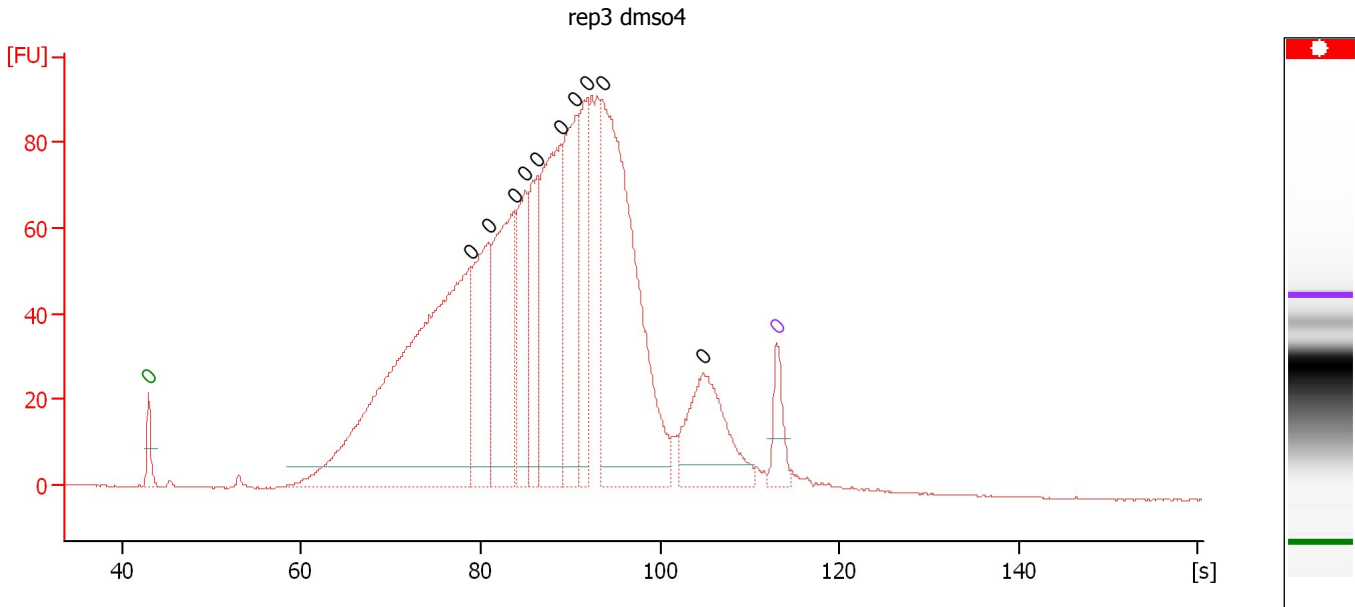
Peak table for sample 10 : rep3 dms02

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		73.58
3	0	0.00	0.0		74.53
4	0	0.00	0.0		75.65
5	0	0.00	0.0		77.97
6	0	0.00	0.0		79.81
7	0	0.00	0.0		81.24
8	0	0.00	0.0		83.67
9	0	0.00	0.0		85.15
10	0	0.00	0.0		104.27
11	0	0.00	0.0		105.10
12	0	0.00	0.0		106.94
13	0	0.00	0.0		109.32
14	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

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 Modified: 3/16/2018 4:47:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : rep3 dms04

Number of peaks found: 10 Noise: 0.1

Peak table for sample 11 : rep3 dms04

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		78.87
3	0	0.00	0.0		80.84
4	0	0.00	0.0		83.72
5	0	0.00	0.0		84.98
6	0	0.00	0.0		86.35
7	0	0.00	0.0		88.93
8	0	0.00	0.0		90.60
9	0	0.00	0.0		91.86
10	0	0.00	0.0		93.60
11	0	0.00	0.0		104.86
12	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-16\2018-03-16_005.xad

Created: 3/16/2018 4:06:56 PM
Modified: 3/16/2018 4:47:23 PM

Gel Image

