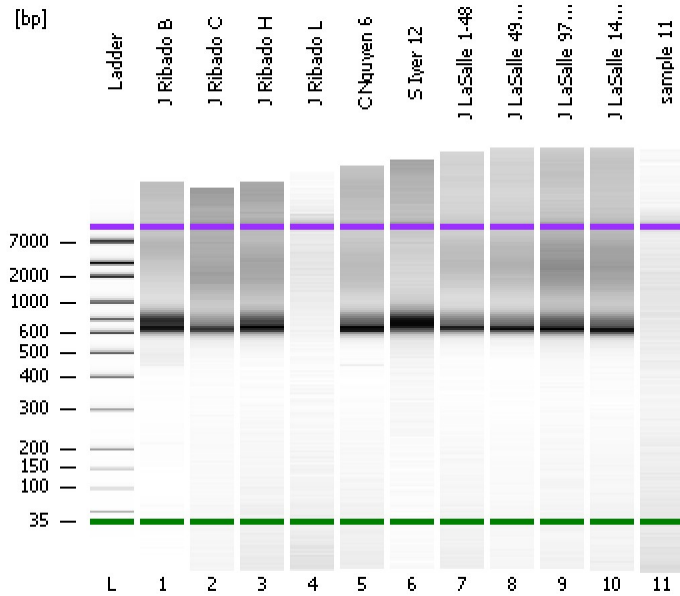


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
Modified: 12/19/2017 4:13:54 PM

Electrophoresis File Run Summary



Instrument Information:

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

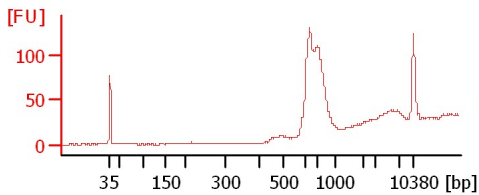
Assay Information:

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

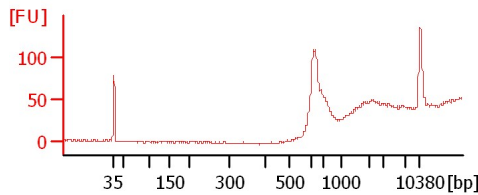
Chip Information:

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

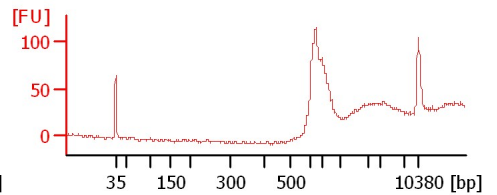
J Ribado B



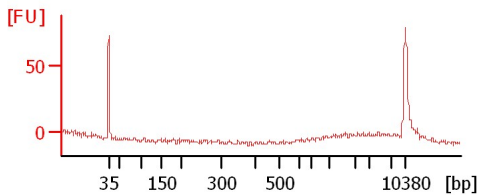
J Ribado C



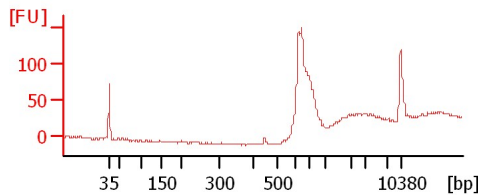
J Ribado H



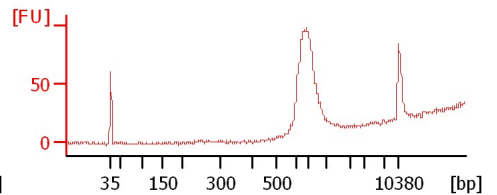
J Ribado L



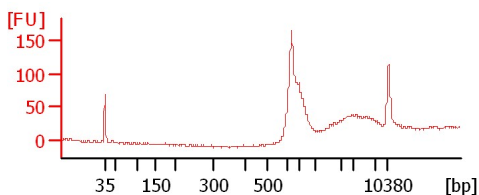
C Nguyen 6



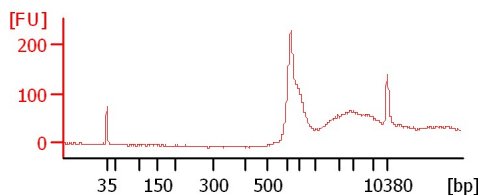
S Iyer 12



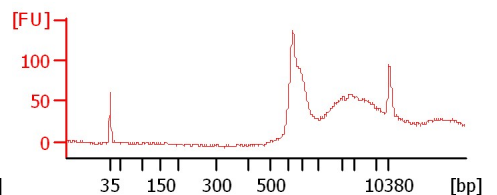
J LaSalle 1-48



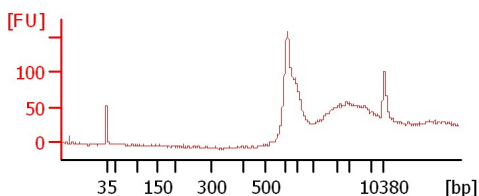
J LaSalle 49-96



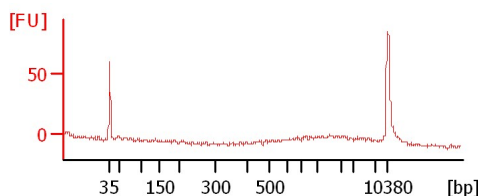
J LaSalle 97-144



J LaSalle 145-183



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
J Ribado B		<input type="checkbox"/>	✓			
J Ribado C		<input type="checkbox"/>	✓			
J Ribado H		<input type="checkbox"/>	✓			
J Ribado L		<input type="checkbox"/>	✓			
C Nguyen 6		<input type="checkbox"/>	✓			
S Iyer 12		<input type="checkbox"/>	✓			
J LaSalle 1-48		<input type="checkbox"/>	✓			
J LaSalle 49-96		<input type="checkbox"/>	✓			
J LaSalle 97-144		<input type="checkbox"/>	✓			
J LaSalle 145-183		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

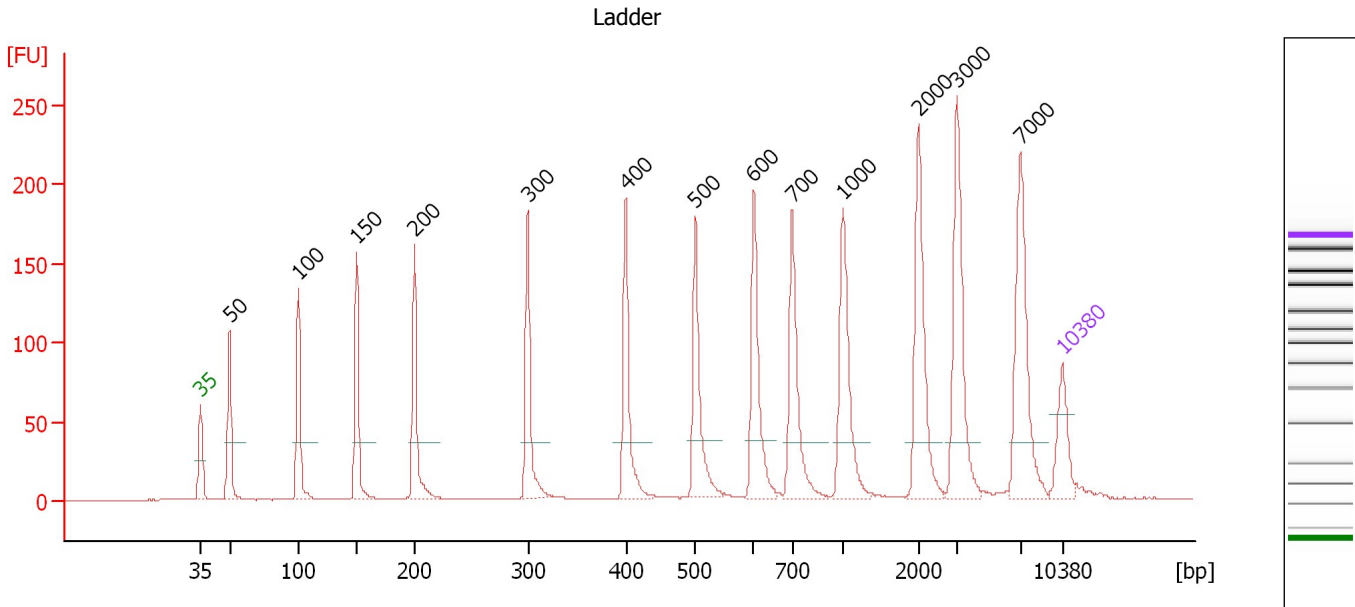
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

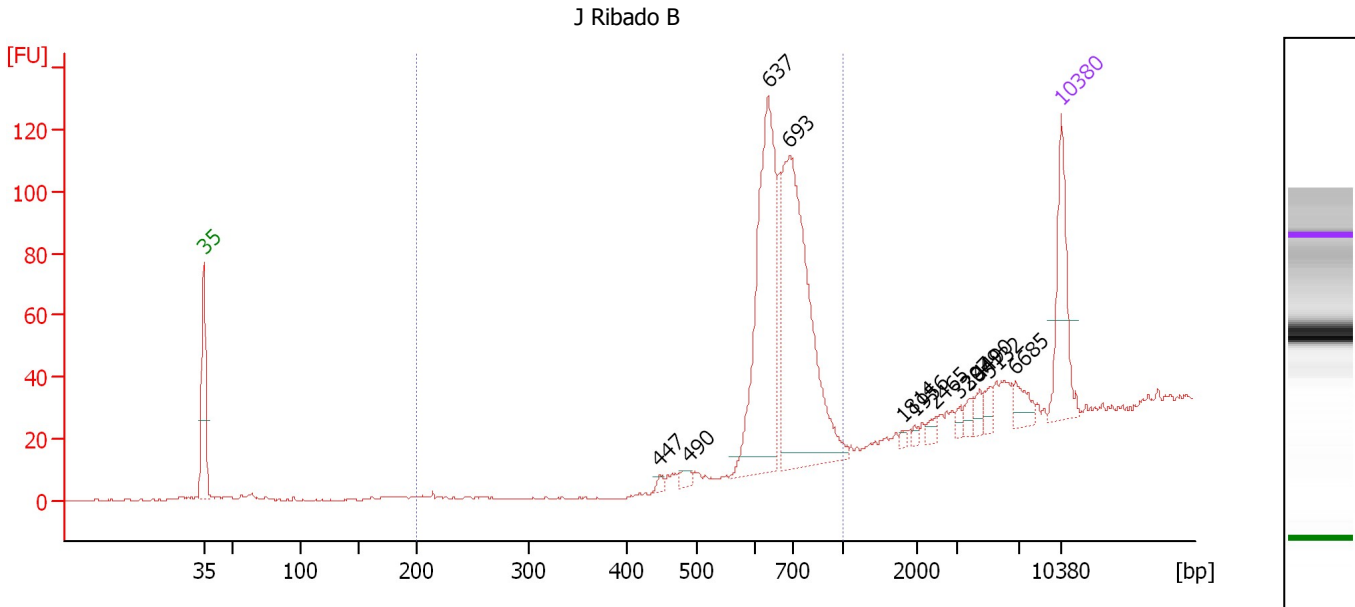
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.93
4	150	150.00	1,515.2	Ladder Peak	55.65
5	200	150.00	1,136.4	Ladder Peak	60.33
6	300	150.00	757.6	Ladder Peak	69.55
7	400	150.00	568.2	Ladder Peak	77.52
8	500	150.00	454.5	Ladder Peak	83.20
9	600	150.00	378.8	Ladder Peak	87.92
10	700	150.00	324.7	Ladder Peak	91.04
11	1,000	150.00	227.3	Ladder Peak	95.15
12	2,000	150.00	113.6	Ladder Peak	101.26
13	3,000	150.00	75.8	Ladder Peak	104.42
14	7,000	150.00	32.5	Ladder Peak	109.58
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : J Ribado B

Number of peaks found: 12 Corr. Area 1: 474.2
 Noise: 0.2

Peak table for sample 1 : J Ribado B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	447	5.66	19.2		80.20
3	490	9.42	29.1		82.63
4	637	298.50	710.0		89.07
5	693	365.31	799.0		90.81
6	1,814	3.73	3.1		100.12
7	1,956	3.24	2.5		100.99
8	2,465	6.94	4.3		102.73
9	3,207	5.48	2.6		104.69
10	3,849	8.37	3.3		105.52
11	4,490	10.28	3.5		106.34
12	5,132	10.95	3.2		107.17
13	6,685	19.42	4.4		109.17
14	10,380	75.00	10.9	Upper Marker	113.00

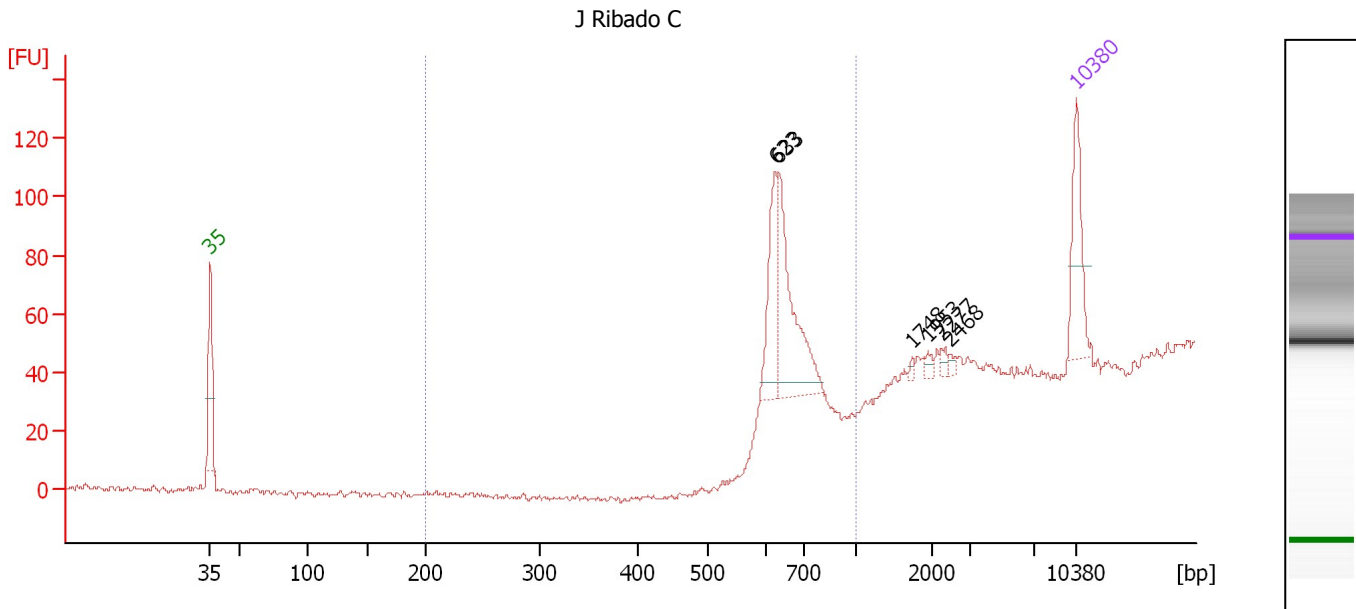
Region table for sample 1 : J Ribado B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	687	474.2	561.26	1,248.0	91	9.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : J Ribado C

Number of peaks found: 6 Corr. Area 1: 194.1
 Noise: 1.2

Peak table for sample 2 : J Ribado C

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	623	99.93	242.9		88.65
3	633	173.84	416.1		88.95
4	1,748	3.91	3.4		99.72
5	1,953	6.33	4.9		100.97
6	2,277	7.19	4.8		102.14
7	2,468	4.53	2.8		102.74
8	10,380	75.00	10.9	Upper Marker	113.00

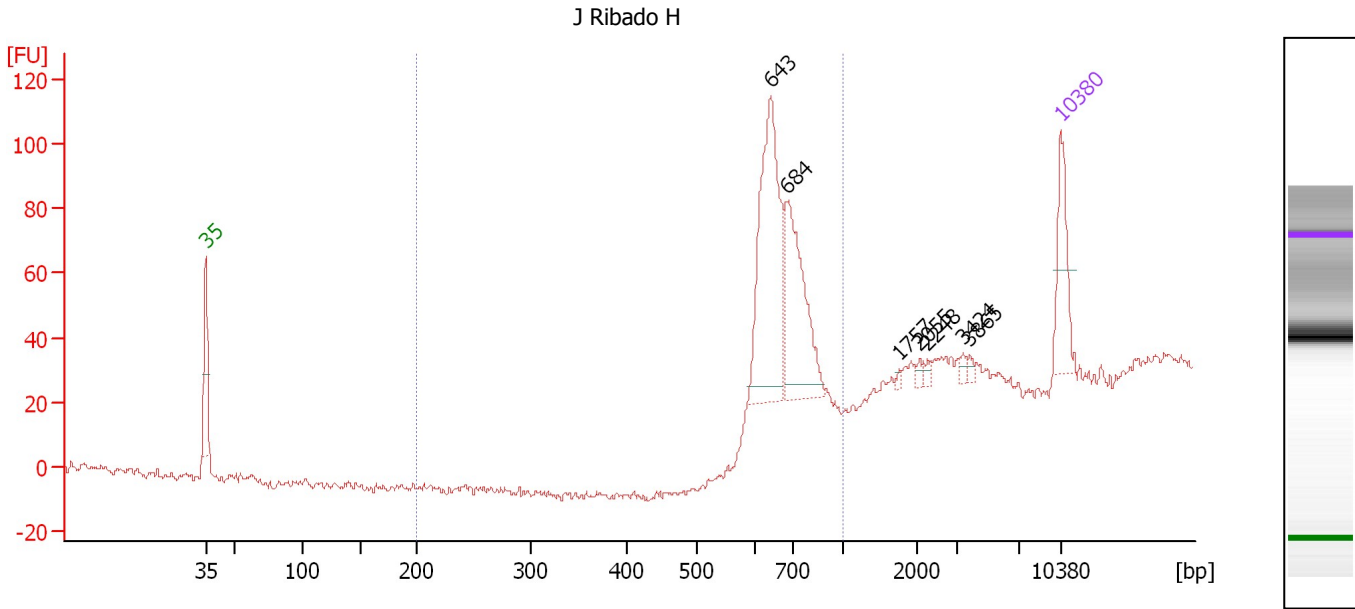
Region table for sample 2 : J Ribado C

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	648	194.1	270.91	635.1	83	5.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : J Ribado H

Number of peaks found: 7 Corr. Area 1: 340.1
 Noise: 1.5

Peak table for sample 3 : J Ribado H

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	643	324.24	764.1		89.26
3	684	209.51	464.4		90.52
4	1,757	3.58	3.1		99.78
5	2,055	6.13	4.5		101.44
6	2,248	5.51	3.7		102.05
7	3,424	6.40	2.8		104.97
8	3,865	6.16	2.4		105.54
9	10,380	75.00	10.9	Upper Marker	113.00

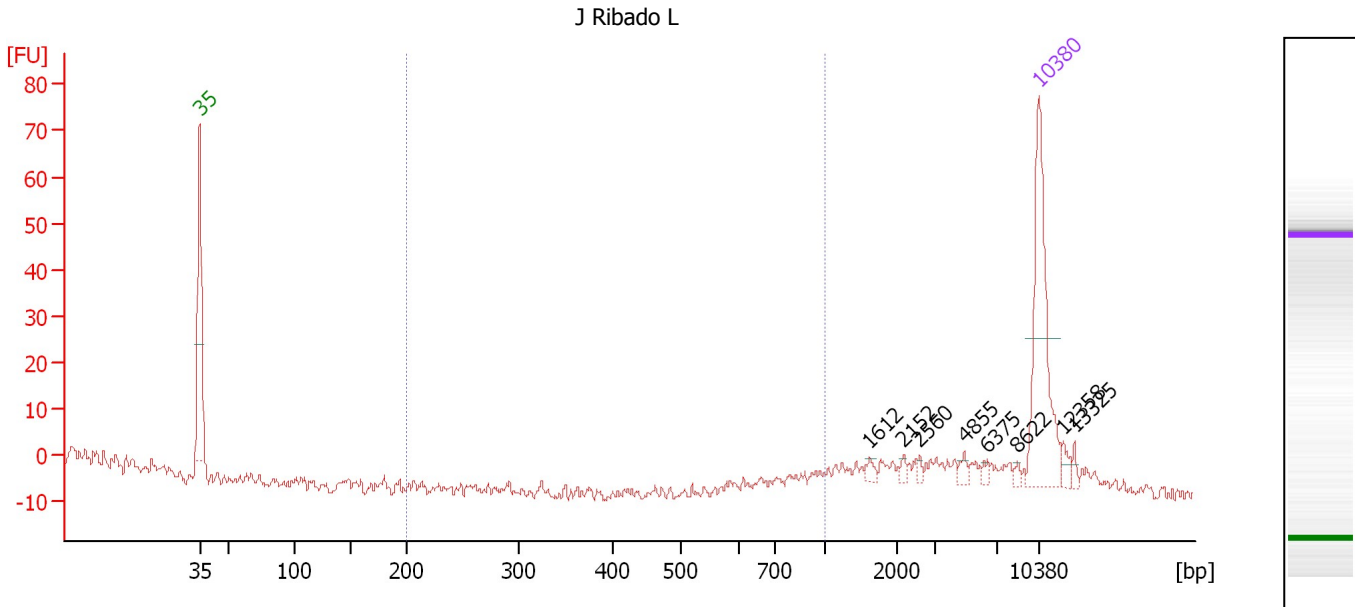
Region table for sample 3 : J Ribado H

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	677	340.1	538.06	1,211.4	82	9.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : J Ribado L

Number of peaks found: 8 Corr. Area 1: 1.4
 Noise: 1.4

Peak table for sample 4 : J Ribado L

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	1,612	3.50	3.3		98.89
3	2,152	2.78	2.0		101.74
4	2,560	2.33	1.4		103.03
5	4,855	3.92	1.2		106.81
6	6,375	2.99	0.7		108.77
7	8,622	2.24	0.4		111.22
8	10,380	75.00	10.9	Upper Marker	113.00
9	12,358	0.00	0.0		115.00
10	13,325	0.00	0.0		115.98

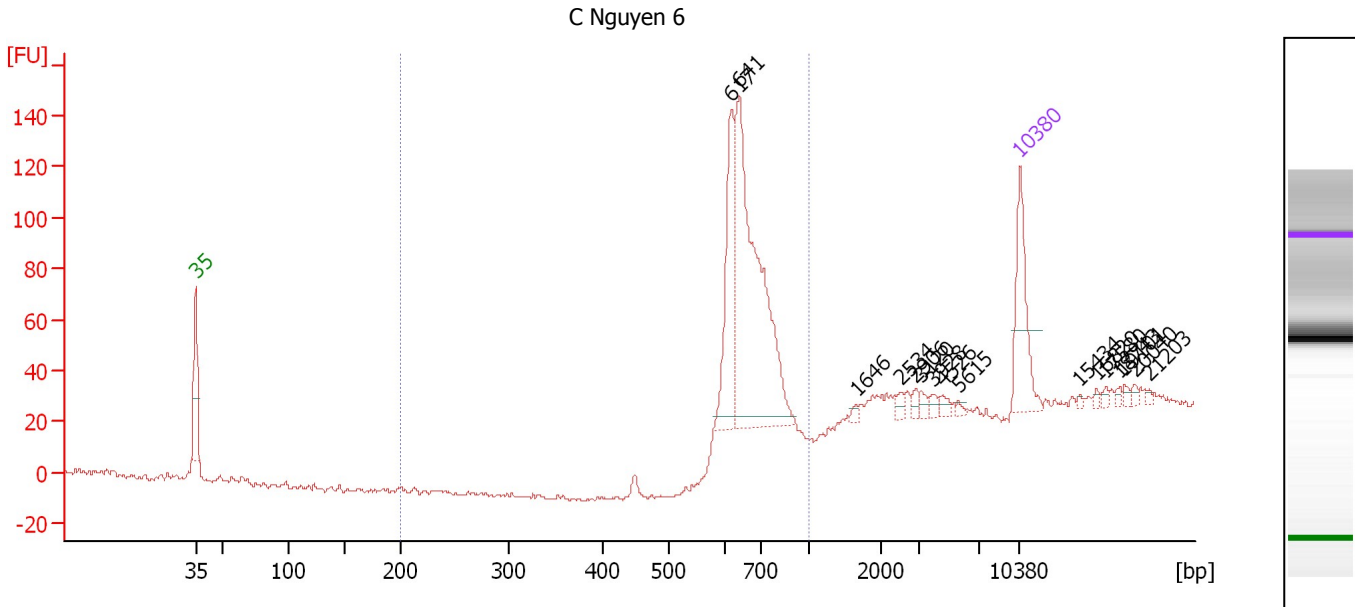
Region table for sample 4 : J Ribado L

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	933	1.4	1.42	2.3	2	5.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C Nguyen 6

Number of peaks found: 16 Corr. Area 1: 467.0
 Noise: 0.9

Peak table for sample 5 : C Nguyen 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	617	137.48	337.5		88.46
3	641	382.09	903.8		89.18
4	1,646	4.82	4.4		99.10
5	2,534	8.19	4.9		102.95
6	2,906	6.41	3.3		104.13
7	3,120	6.15	3.0		104.58
8	3,928	6.20	2.4		105.62
9	4,526	6.63	2.2		106.39
10	5,615	3.53	1.0		107.79
11	10,380	75.00	10.9	Upper Marker	113.00
12	15,434	0.00	0.0		118.12
13	16,820	0.00	0.0		119.52
14	17,580	0.00	0.0		120.29
15	18,743	0.00	0.0		121.47
16	19,101	0.00	0.0		121.83
17	20,040	0.00	0.0		122.78
18	21,203	0.00	0.0		123.96

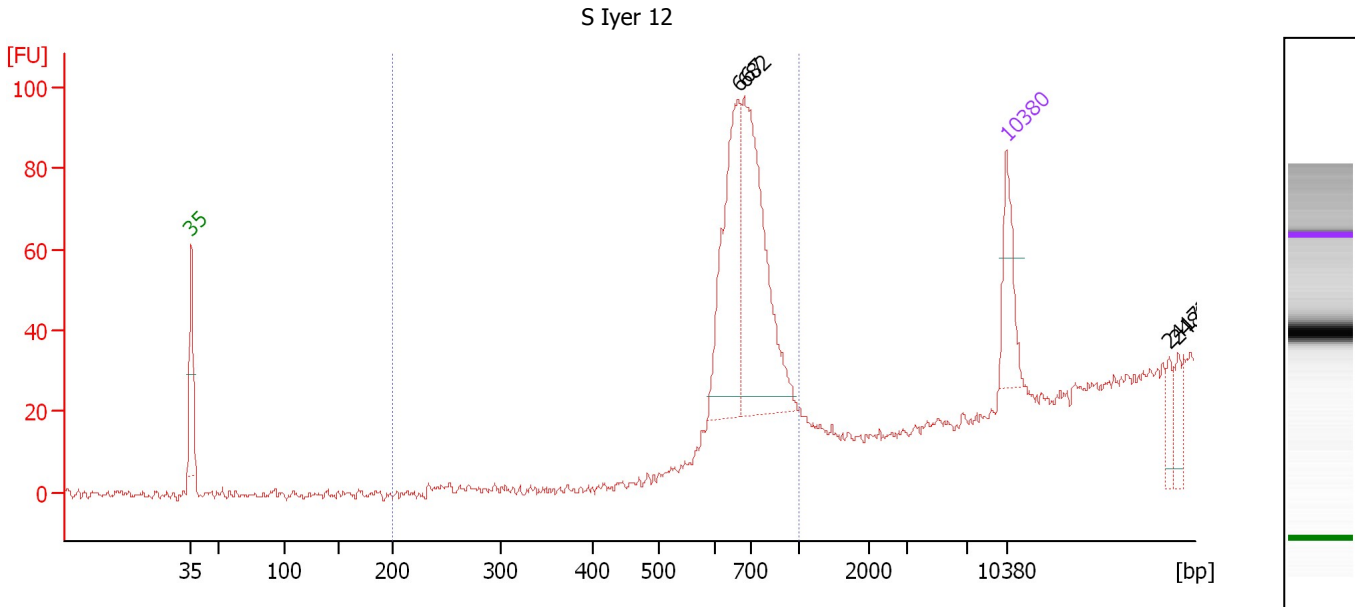
Region table for sample 5 : C Nguyen 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	670	467.0	529.37	1,205.1	74	9.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : S Iyer 12

Number of peaks found: 4 Corr. Area 1: 361.1
 Noise: 1.0

Peak table for sample 6 : S Iyer 12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	667	308.12	699.6		90.02
3	682	394.51	876.5		90.48
4	10,380	75.00	10.9	Upper Marker	113.00
5	24,172	0.00	0.0		126.96
6	24,895	0.00	0.0		127.70

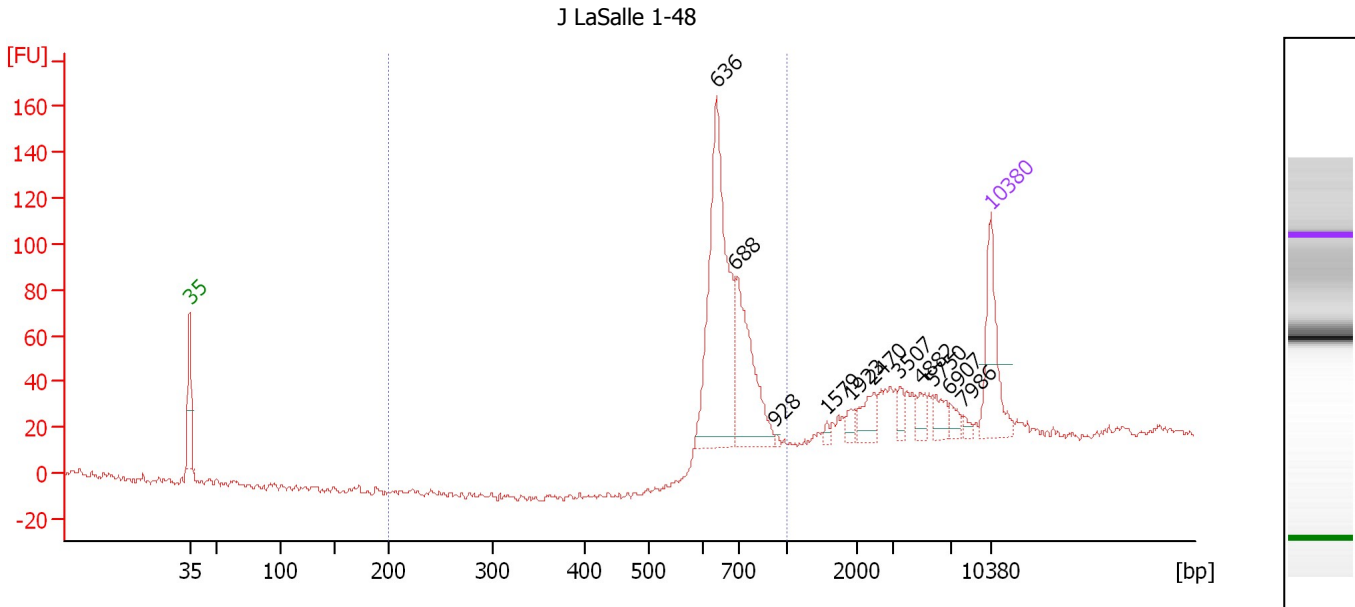
Region table for sample 6 : S Iyer 12

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	702	361.1	678.37	1,477.2	99	10.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : J LaSalle 1-48

Number of peaks found: 11 Corr. Area 1: 468.3
 Noise: 1.5

Peak table for sample 7 : J LaSalle 1-48

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	636	318.57	758.8		89.05
3	688	153.71	338.3		90.68
4	928	2.31	3.8		94.17
5	1,579	4.58	4.4		98.69
6	1,923	10.40	8.2		100.79
7	2,470	27.03	16.6		102.75
8	3,507	11.68	5.0		105.08
9	4,882	14.73	4.6		106.85
10	5,750	19.72	5.2		107.97
11	6,907	11.45	2.5		109.46
12	7,986	5.70	1.1		110.58
13	10,380	75.00	10.9	Upper Marker	113.00

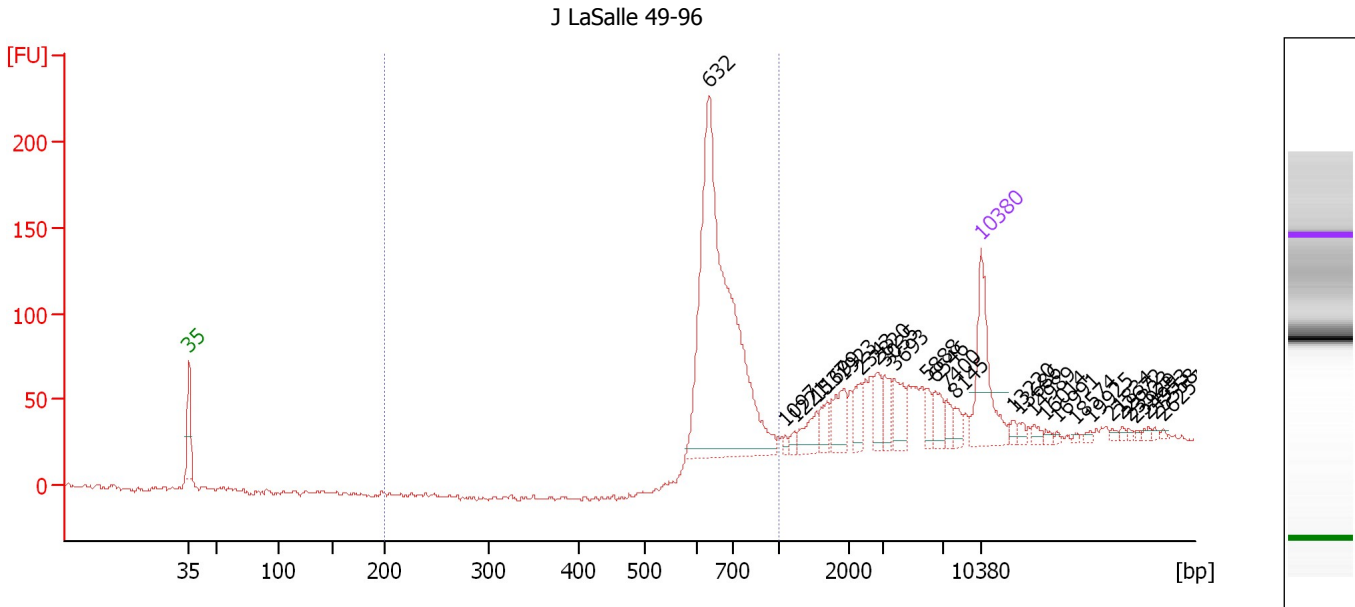
Region table for sample 7 : J LaSalle 1-48

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	681	468.3	477.26	1,070.8	64	10.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

Created: 12/19/2017 3:33:26 PM
 Modified: 12/19/2017 4:13:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : J LaSalle 49-96

Number of peaks found: 28 Corr. Area 1: 700.1
 Noise: 1.3

Peak table for sample 8 : J LaSalle 49-96

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	632	523.18	1,254.6		88.91
3	1,097	4.52	6.2		95.75
4	1,221	5.13	6.4		96.50
5	1,537	23.20	22.9		98.43
6	1,699	16.43	14.7		99.42
7	1,923	31.99	25.2		100.79
8	2,343	19.49	12.6		102.35
9	2,820	19.87	10.7		103.86
10	3,035	21.18	10.6		104.47
11	3,693	28.08	11.5		105.32
12	5,888	12.21	3.1		108.14
13	6,546	18.75	4.3		108.99
14	7,400	12.50	2.6		109.98
15	8,145	9.27	1.7		110.74
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,220	0.00	0.0		115.88
18	13,686	0.00	0.0		116.35
19	14,989	0.00	0.0		117.67
20	16,014	0.00	0.0		118.70
21	16,991	0.00	0.0		119.69
22	18,574	0.00	0.0		121.30
23	19,925	0.00	0.0		122.66
24	21,834	0.00	0.0		124.60
25	22,672	0.00	0.0		125.44

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : J LaSalle 49-96

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	23,323	0.00	0.0		126.10
27	23,929	0.00	0.0		126.72
28	24,953	0.00	0.0		127.75
29	25,558	0.00	0.0		128.37
30	26,257	0.00	0.0		129.07

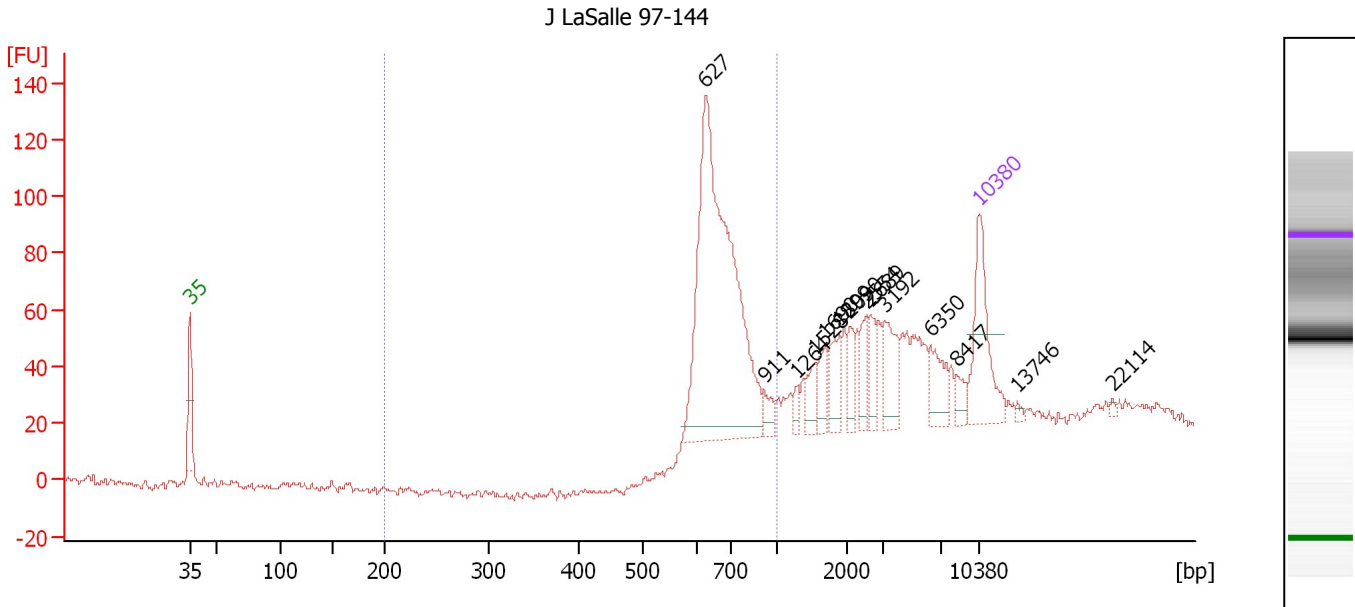
Region table for sample 8 : J LaSalle 49-96

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	682	700.1	529.41	1,190.0	53	11.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : J LaSalle 97-144

Number of peaks found: 14 Corr. Area 1: 505.7
 Noise: 1.0

Peak table for sample 9 : J LaSalle 97-144

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	627	467.77	1,130.0		88.77
3	911	15.36	25.6		93.93
4	1,264	9.21	11.0		96.77
5	1,528	21.81	21.6		98.38
6	1,690	22.87	20.5		99.37
7	1,899	30.30	24.2		100.65
8	2,090	19.22	13.9		101.55
9	2,554	20.30	12.0		103.01
10	2,689	20.80	11.7		103.44
11	3,192	42.13	20.0		104.67
12	6,350	34.48	8.2		108.74
13	8,417	12.62	2.3		111.01
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,746	0.00	0.0		116.41
16	22,114	0.00	0.0		124.88

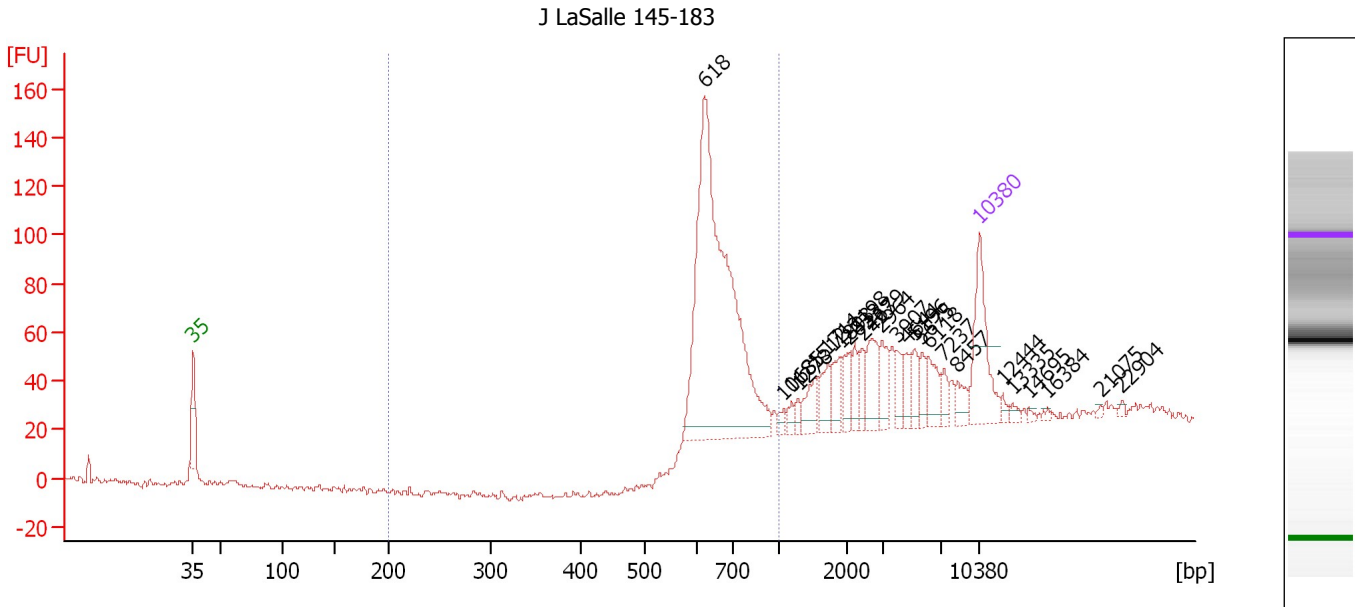
Region table for sample 9 : J LaSalle 97-144

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	691	505.7	507.14	1,127.5	46	13.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : J LaSalle 145-183

Number of peaks found: 25 Corr. Area 1: 524.8
 Noise: 0.5

Peak table for sample 10 : J LaSalle 145-183

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	618	560.40	1,372.9		88.50
3	1,068	6.85	9.7		95.57
4	1,185	8.09	10.3		96.28
5	1,278	8.46	10.0		96.85
6	1,512	26.70	26.8		98.28
7	1,714	26.31	23.3		99.51
8	1,893	25.46	20.4		100.61
9	2,033	20.19	15.1		101.36
10	2,198	18.13	12.5		101.89
11	2,423	19.33	12.1		102.60
12	2,679	37.25	21.1		103.41
13	2,964	26.89	13.7		104.31
14	3,907	19.17	7.4		105.59
15	4,644	16.26	5.3		106.54
16	5,196	18.86	5.5		107.25
17	5,675	15.59	4.2		107.87
18	6,118	27.82	6.9		108.44
19	7,237	13.68	2.9		109.82
20	8,457	16.63	3.0		111.05
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,444	0.00	0.0		115.09
23	13,335	0.00	0.0		115.99
24	14,695	0.00	0.0		117.37
25	16,384	0.00	0.0		119.08

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad


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Electropherogram Summary Continued ...

... Peak table for sample 10 : J LaSalle 145-183

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	21,075	0.00	0.0		123.83
27	22,904	0.00	0.0		125.68

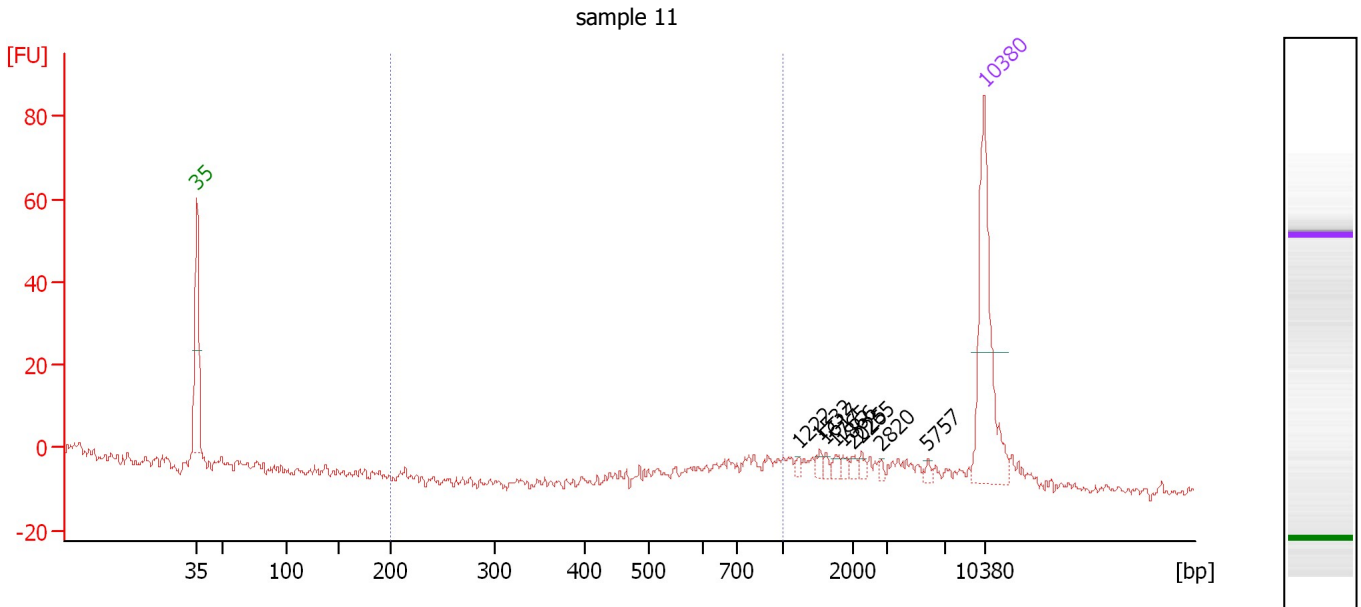
Region table for sample 10 : J LaSalle 145-183

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	675	524.8	582.45	1,323.3	 50	12.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 9 Corr. Area 1: 13.6
 Noise: 1.4

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	1,222	2.28	2.8		96.51
3	1,532	3.88	3.8		98.40
4	1,617	2.51	2.3		98.92
5	1,765	3.55	3.0		99.82
6	1,866	2.80	2.3		100.44
7	2,025	2.91	2.2		101.34
8	2,265	2.99	2.0		102.10
9	2,820	1.95	1.0		103.85
10	5,757	2.34	0.6		107.98
11	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	811	13.6	12.78	24.3	19	14.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-19\2017-12-19_004.xad

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