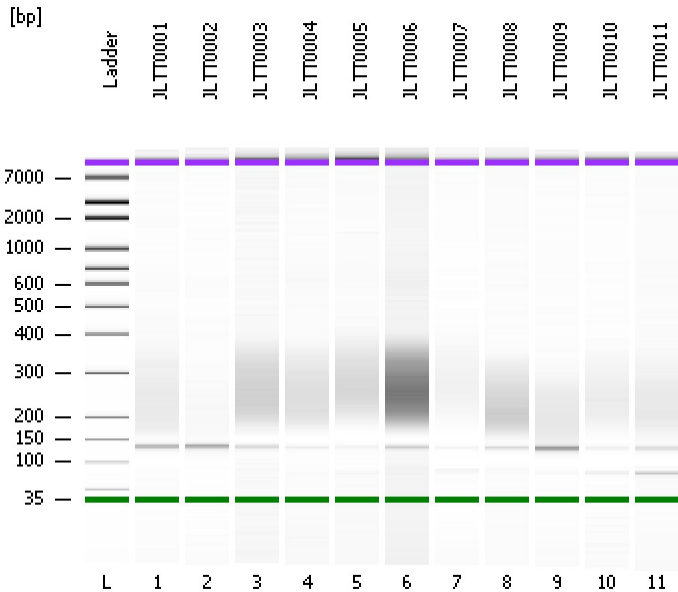


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

Created: 8/14/2017 11:24:10 AM
Modified: 8/14/2017 12:23:03 PM

Electrophoresis File Run Summary



Instrument Information:

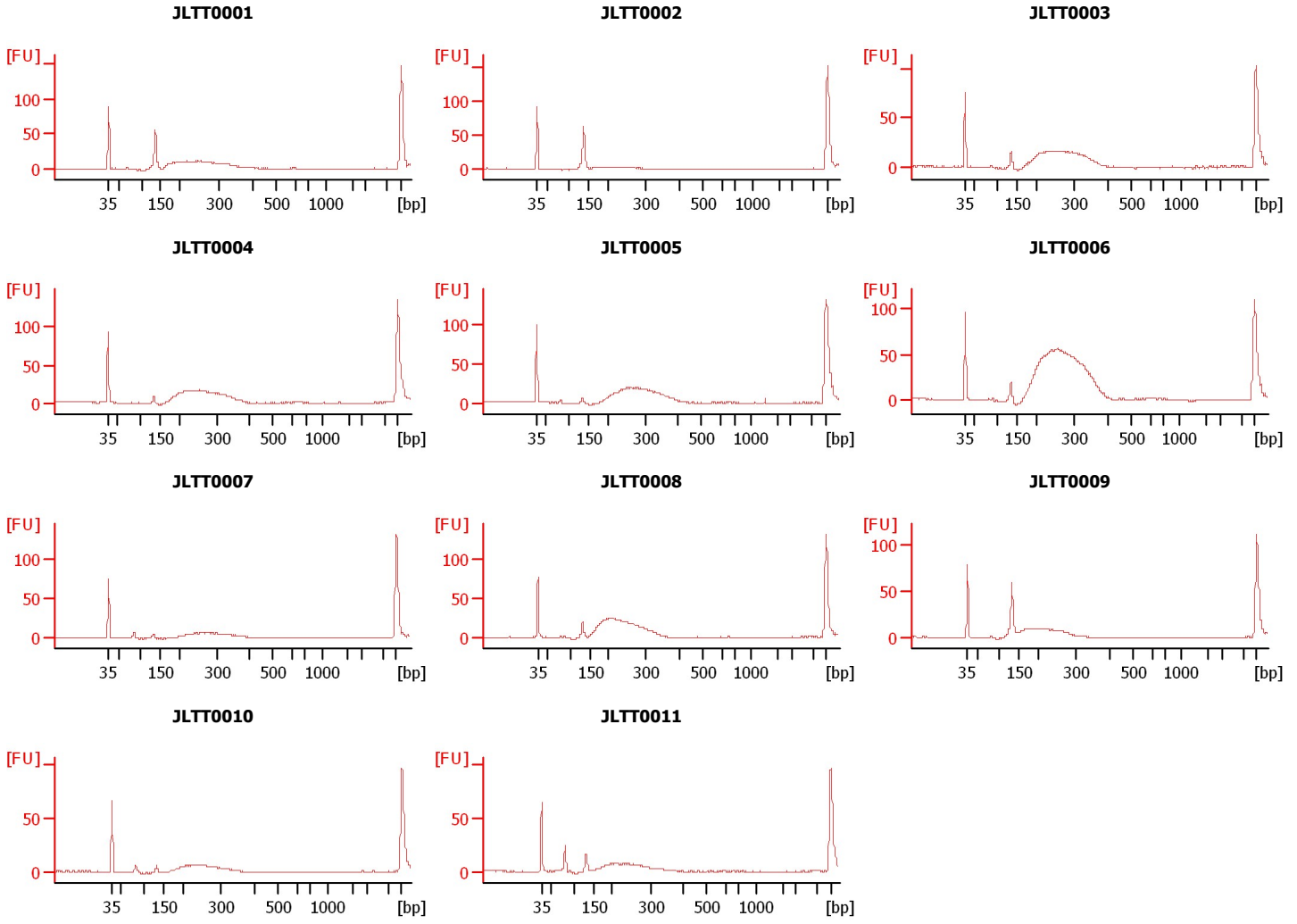
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

Created: 8/14/2017 11:24:10 AM
 Modified: 8/14/2017 12:23:03 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLTT0001		<input type="checkbox"/>	✓			
JLTT0002		<input type="checkbox"/>	✓			
JLTT0003		<input type="checkbox"/>	✓			
JLTT0004		<input type="checkbox"/>	✓			
JLTT0005		<input type="checkbox"/>	✓			
JLTT0006		<input type="checkbox"/>	✓			
JLTT0007		<input type="checkbox"/>	✓			
JLTT0008		<input type="checkbox"/>	✓			
JLTT0009		<input type="checkbox"/>	✓			
JLTT0010		<input type="checkbox"/>	✓			
JLTT0011		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

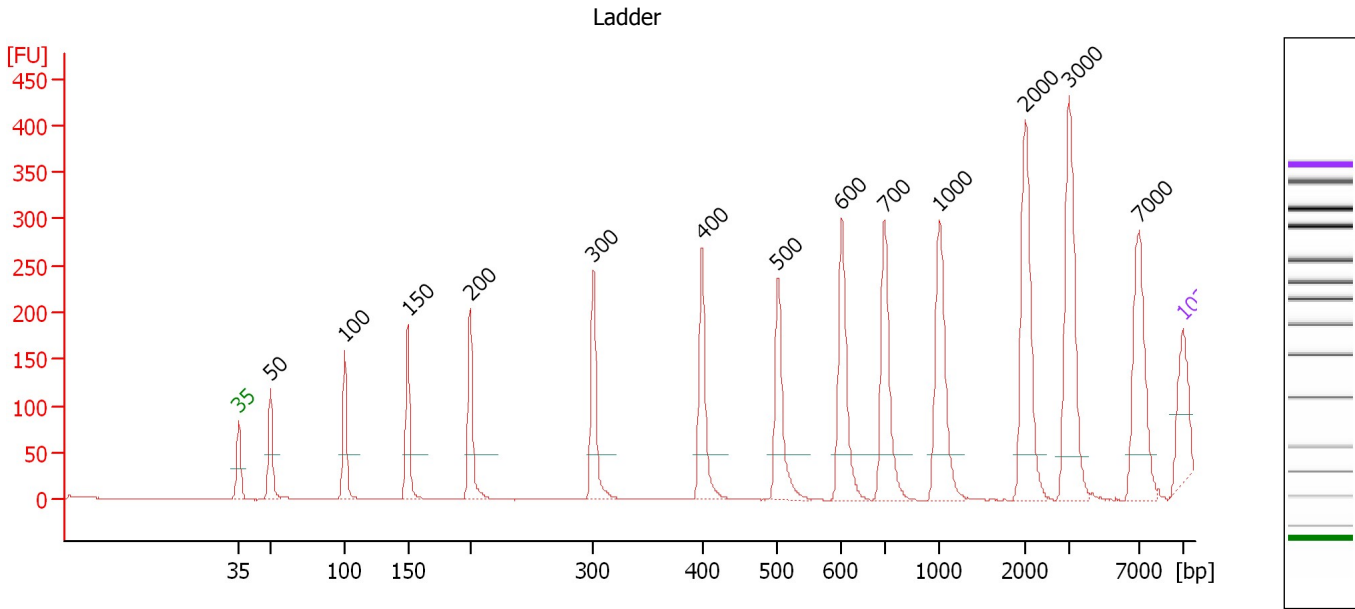
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

Created: 8/14/2017 11:24:10 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

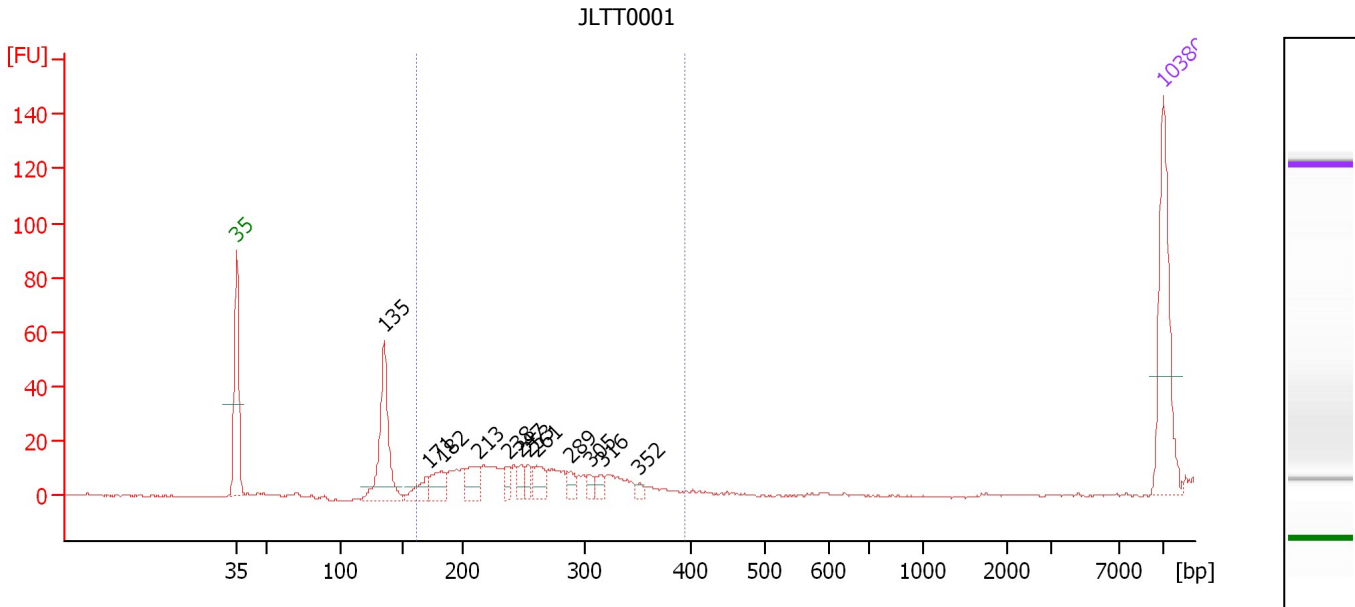
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.87
4	150	150.00	1,515.2	Ladder Peak	55.53
5	200	150.00	1,136.4	Ladder Peak	60.15
6	300	150.00	757.6	Ladder Peak	69.28
7	400	150.00	568.2	Ladder Peak	77.35
8	500	150.00	454.5	Ladder Peak	82.96
9	600	150.00	378.8	Ladder Peak	87.70
10	700	150.00	324.7	Ladder Peak	90.87
11	1,000	150.00	227.3	Ladder Peak	94.94
12	2,000	150.00	113.6	Ladder Peak	101.30
13	3,000	150.00	75.8	Ladder Peak	104.54
14	7,000	150.00	32.5	Ladder Peak	109.76
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : JLTT0001

Number of peaks found: 12 Corr. Area 1: 180.4
 Noise: 0.2

Peak table for sample 1 : JLTT0001

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	135	113.82	1,274.2		54.16
3	171	20.76	184.0		57.47
4	182	27.30	226.9		58.52
5	213	28.87	205.8		61.30
6	238	11.36	72.3		63.63
7	247	11.54	70.8		64.44
8	253	11.29	67.6		65.00
9	261	20.99	122.0		65.69
10	289	11.21	58.8		68.27
11	305	7.86	39.0		69.72
12	316	8.55	40.9		70.61
13	352	4.78	20.6		73.47
14	10,380	75.00	10.9	Upper Marker	113.00

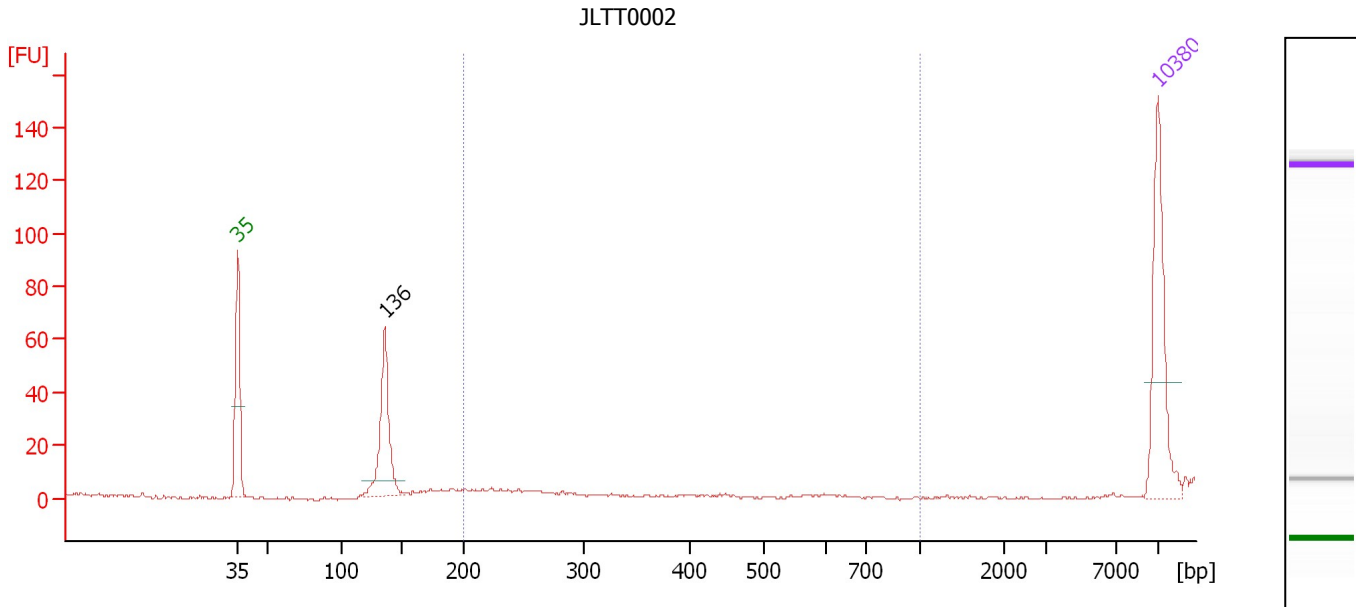
Region table for sample 1 : JLTT0001

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
161	395	247	180.4	1,246.4	193.54	71	19.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : JLTT0002

Number of peaks found: 1 Corr. Area 1: 3.0
 Noise: 0.5

Peak table for sample 2 : JLTT0002

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	136	106.49	1,189.2		54.19
3	10,380	75.00	10.9	Upper Marker	113.00

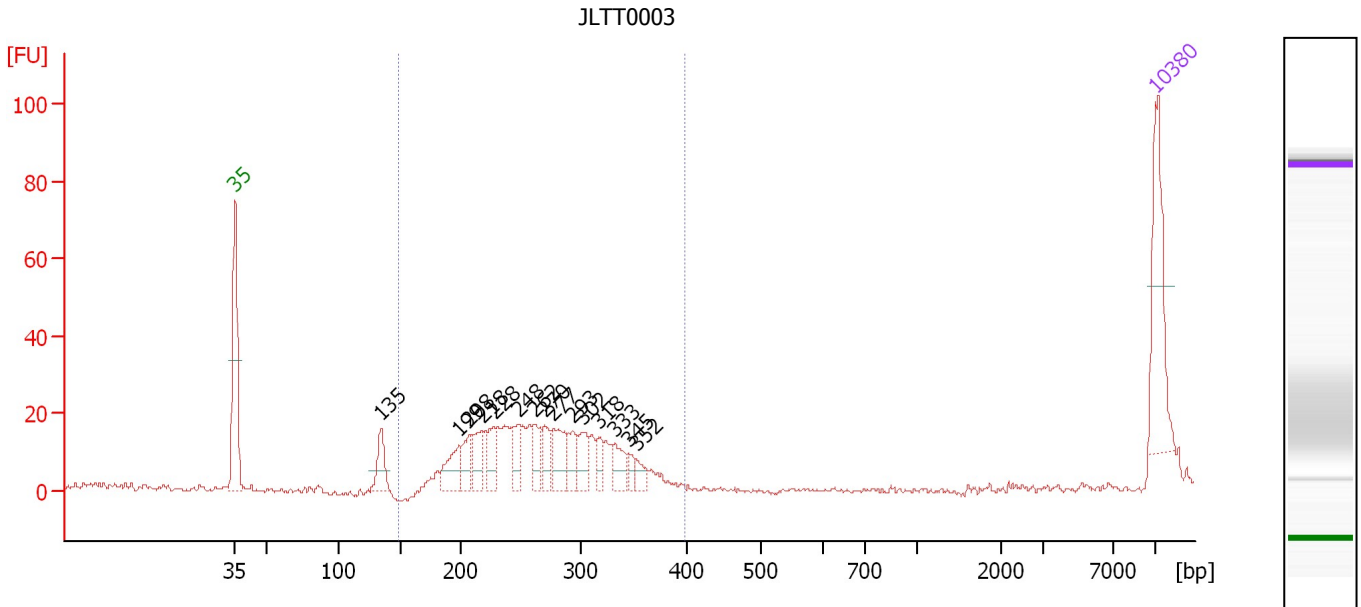
Region table for sample 2 : JLTT0002

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	221	3.0	20.5	2.98	3	6.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : JLTT0003

Number of peaks found: 15 Corr. Area 1: 280.2
 Noise: 0.6

Peak table for sample 3 : JLTT0003

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	135	36.41	409.2		54.11
3	199	41.44	316.0		60.03
4	208	28.01	204.5		60.84
5	218	34.19	237.9		61.78
6	228	32.36	215.0		62.71
7	248	26.45	161.3		64.58
8	262	22.06	127.7		65.79
9	270	26.01	145.9		66.56
10	277	45.40	248.0		67.21
11	293	23.93	123.6		68.67
12	302	31.17	156.4		69.44
13	318	16.60	79.2		70.70
14	333	23.98	109.2		71.92
15	345	9.75	42.8		72.93
16	352	11.71	50.4		73.50
17	10,380	75.00	10.9	Upper Marker	113.00

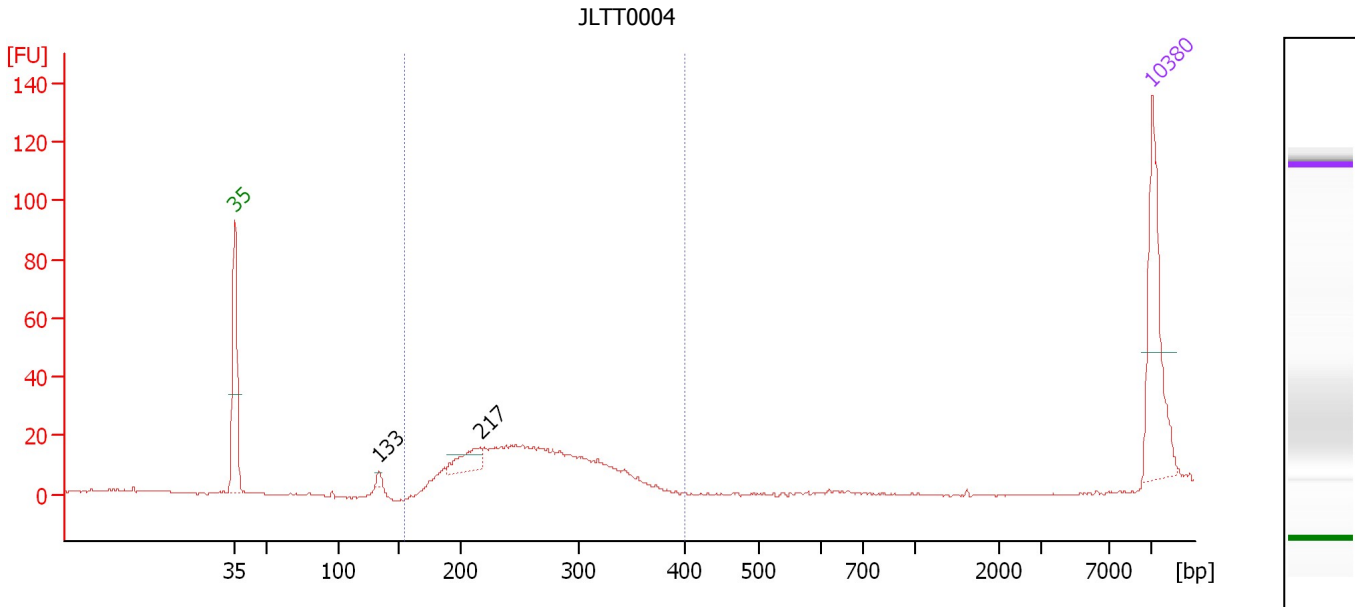
Region table for sample 3 : JLTT0003

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
150	399	266	280.2	2,583.3	438.65	93	17.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : JLTT0004

Number of peaks found: 2 Corr. Area 1: 247.9
 Noise: 0.3

Peak table for sample 4 : JLTT0004

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	133	5.36	60.8		53.99
3	217	29.95	209.4		61.68
4	10,380	75.00	10.9	Upper Marker	113.00

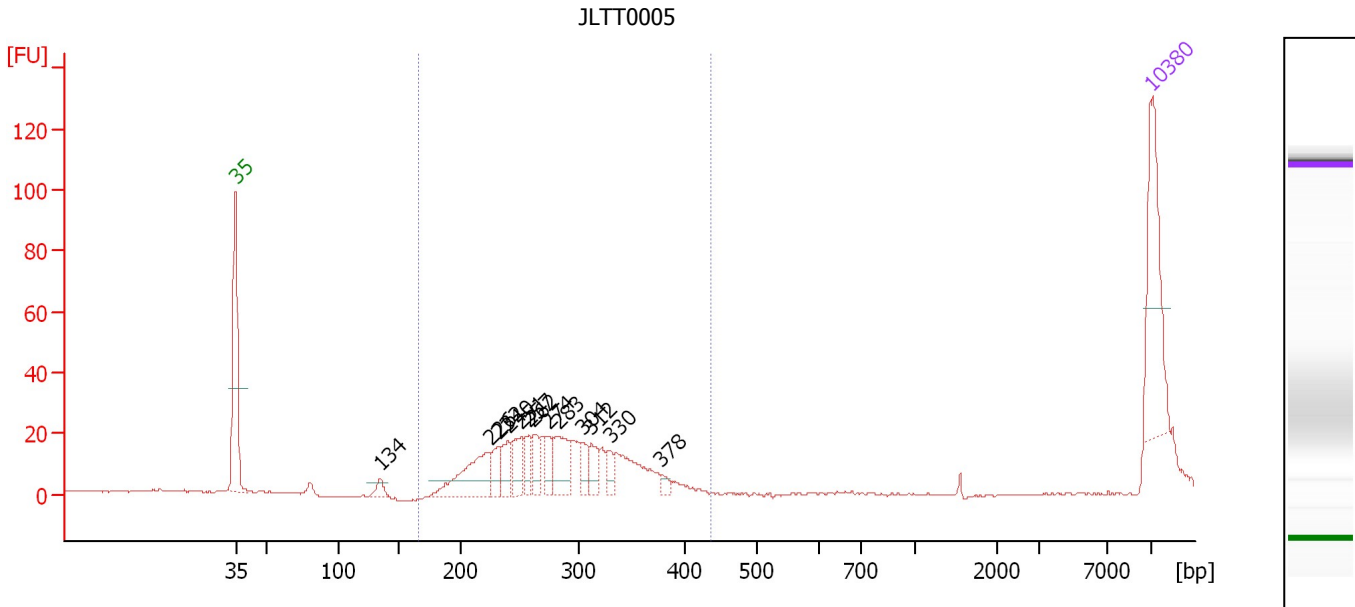
Region table for sample 4 : JLTT0004

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
154	400	257	247.9	1,554.2	255.38	97	16.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JLTT0005

Number of peaks found: 13 Corr. Area 1: 283.5
 Noise: 0.2

Peak table for sample 5 : JLTT0005

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	134	11.25	127.1		54.05
3	226	71.82	482.2		62.50
4	232	21.22	138.6		63.07
5	240	25.50	160.7		63.84
6	251	29.70	179.2		64.82
7	257	18.95	111.6		65.40
8	262	21.88	126.6		65.80
9	274	17.97	99.4		66.90
10	283	42.41	227.2		67.72
11	304	14.48	72.2		69.60
12	312	19.79	96.1		70.25
13	330	11.54	53.0		71.68
14	378	6.13	24.6		75.59
15	10,380	75.00	10.9	Upper Marker	113.00

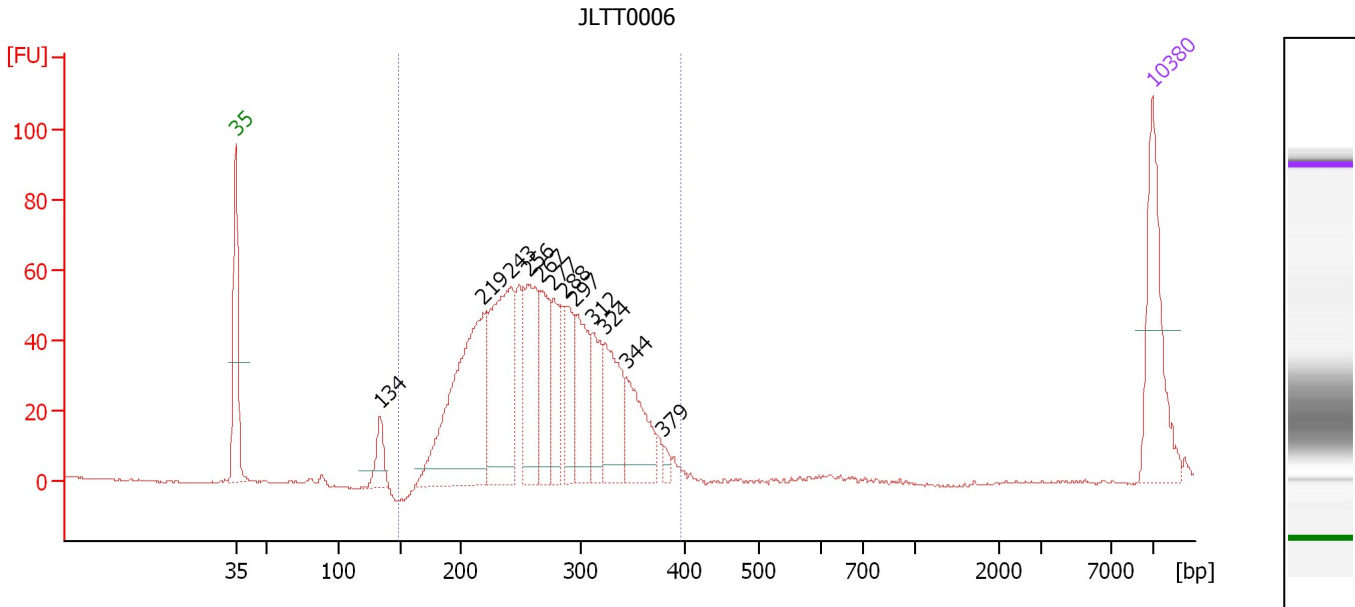
Region table for sample 5 : JLTT0005

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
166	437	279	283.5	1,744.3	313.02	96	15.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : JLT0006

Number of peaks found: 12 Corr. Area 1: 1,051.3
 Noise: 0.3

Peak table for sample 6 : JLT0006

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	134	31.91	361.0		54.03
3	219	255.75	1,766.3		61.92
4	243	187.68	1,172.3		64.04
5	256	121.30	716.8		65.30
6	267	72.31	410.2		66.28
7	277	51.55	281.7		67.22
8	288	57.34	302.1		68.15
9	297	80.63	412.0		68.97
10	312	49.59	240.7		70.27
11	324	81.06	379.3		71.20
12	344	67.87	298.9		72.83
13	379	6.97	27.9		75.64
14	10,380	75.00	10.9	Upper Marker	113.00

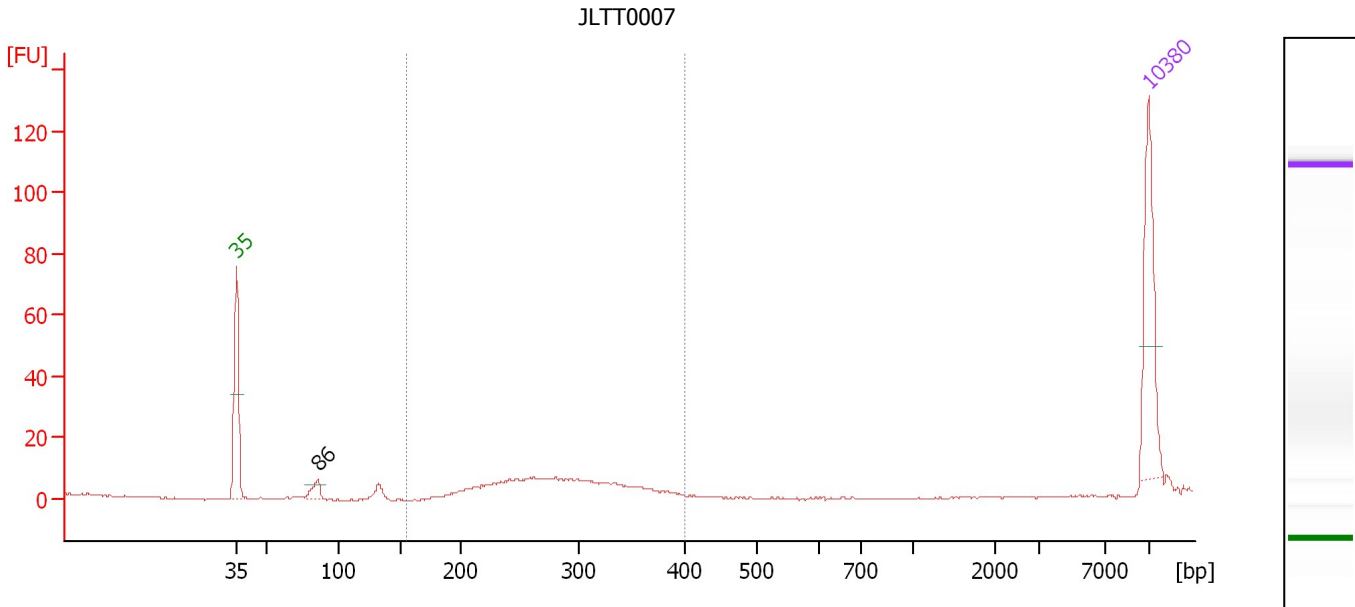
Region table for sample 6 : JLT0006

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
150	395	269	1,051.3	6,058.0	1,036.02	98	18.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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 Modified: 8/14/2017 12:23:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JLTT0007

Number of peaks found: 1 Corr. Area 1: 82.8
 Noise: 0.2

Peak table for sample 7 : JLTT0007

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	86	16.91	299.6		49.26
3	10,380	75.00	10.9	Upper Marker	113.00

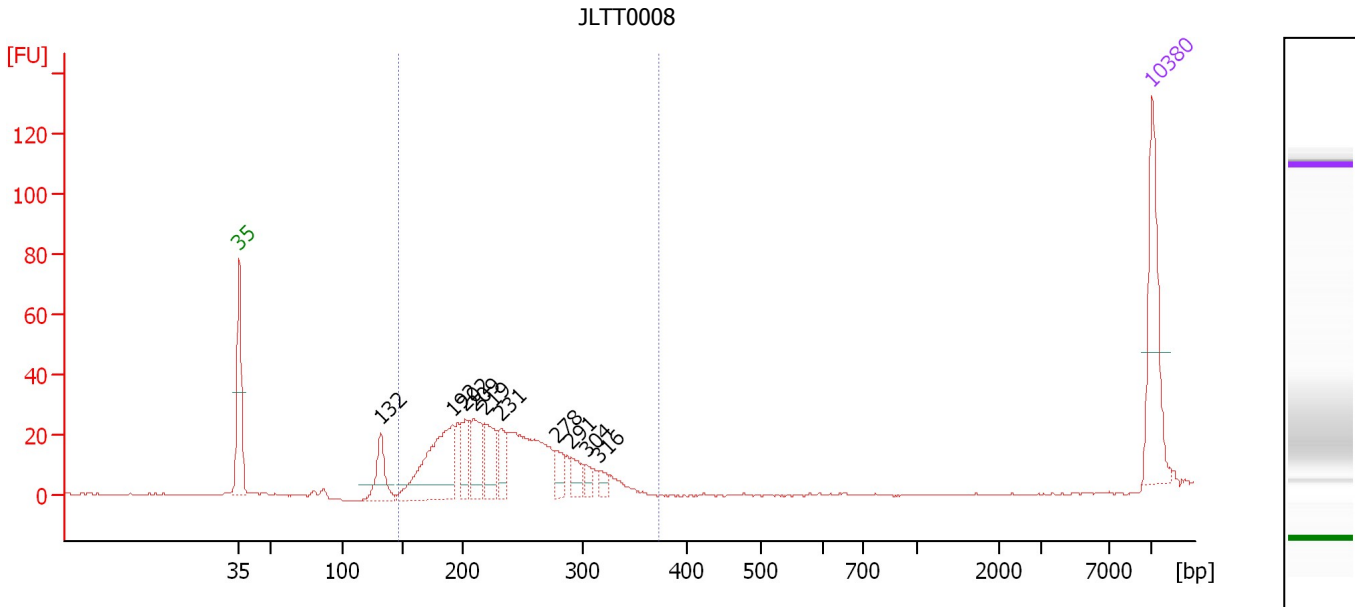
Region table for sample 7 : JLTT0007

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
156	402	281	82.8	594.2	107.65	86	15.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

Created: 8/14/2017 11:24:10 AM
 Modified: 8/14/2017 12:23:03 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JLTT0008

Number of peaks found: 10 Corr. Area 1: 385.8
 Noise: 0.3

Peak table for sample 8 : JLTT0008

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	132	50.35	578.7		53.84
3	192	146.03	1,153.5		59.40
4	202	34.13	256.0		60.34
5	209	57.19	414.3		60.99
6	219	47.36	328.3		61.85
7	231	33.59	220.2		62.99
8	278	24.48	133.4		67.29
9	291	21.61	112.5		68.47
10	304	11.10	55.3		69.62
11	316	10.39	49.8		70.60
12	10,380	75.00	10.9	Upper Marker	113.00

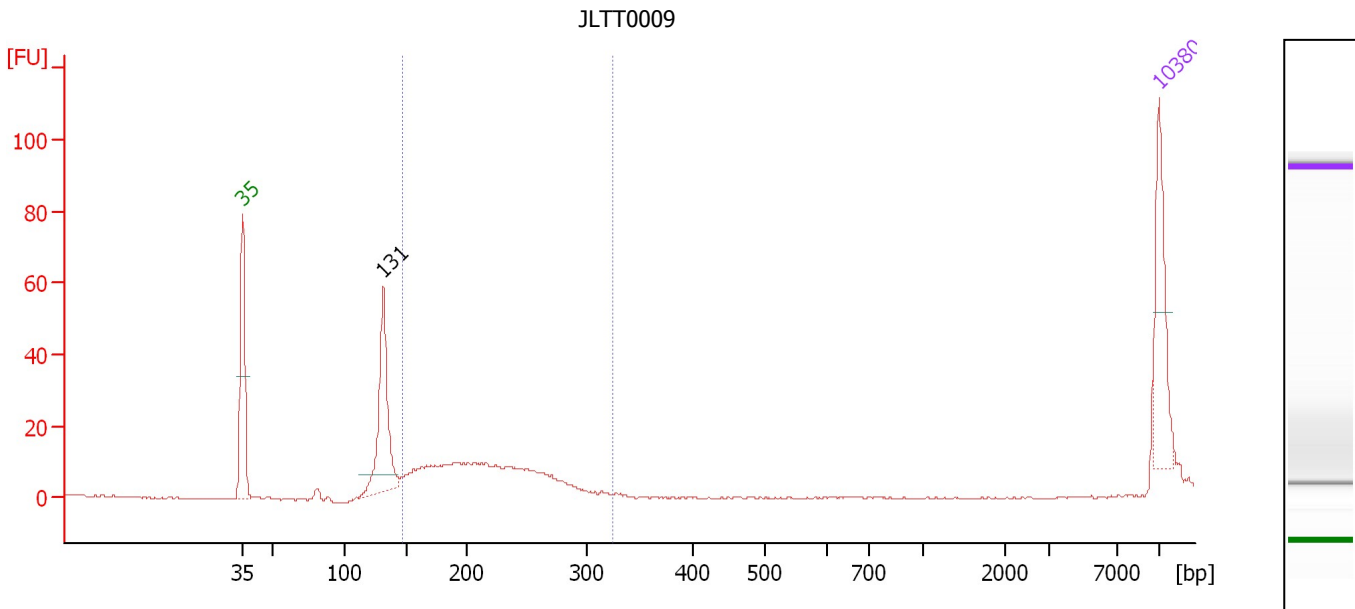
Region table for sample 8 : JLTT0008

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
147	373	232	385.8	3,345.5	493.15	94	18.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : JLTT0009

Number of peaks found: 1 Corr. Area 1: 127.6
 Noise: 0.2

Peak table for sample 9 : JLTT0009

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	131	171.96	1,990.0		53.75
3	10,380	75.00	10.9	Upper Marker	113.00

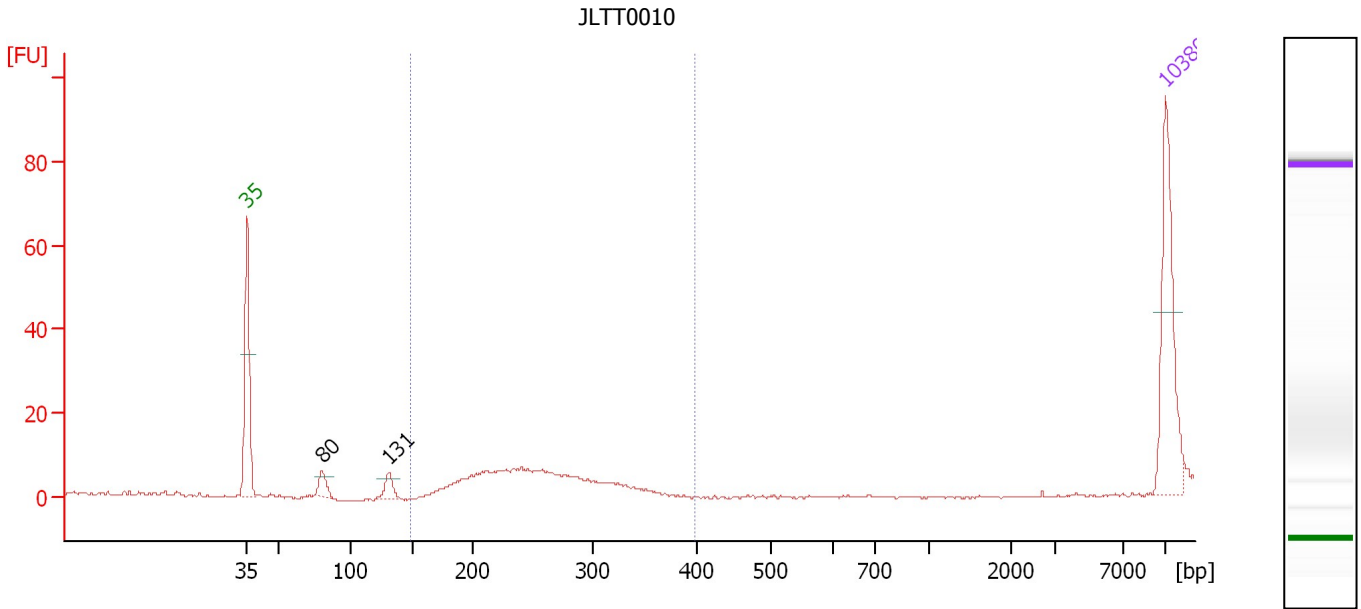
Region table for sample 9 : JLTT0009

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
146	325	209	127.6	1,660.4	220.78	58	17.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : JLTT0010

Number of peaks found: 2 Corr. Area 1: 35.0
 Noise: 0.2

Peak table for sample 10 : JLTT0010

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	80	17.42	328.4		48.69
3	131	16.47	190.2		53.77
4	10,380	75.00	10.9	Upper Marker	113.00

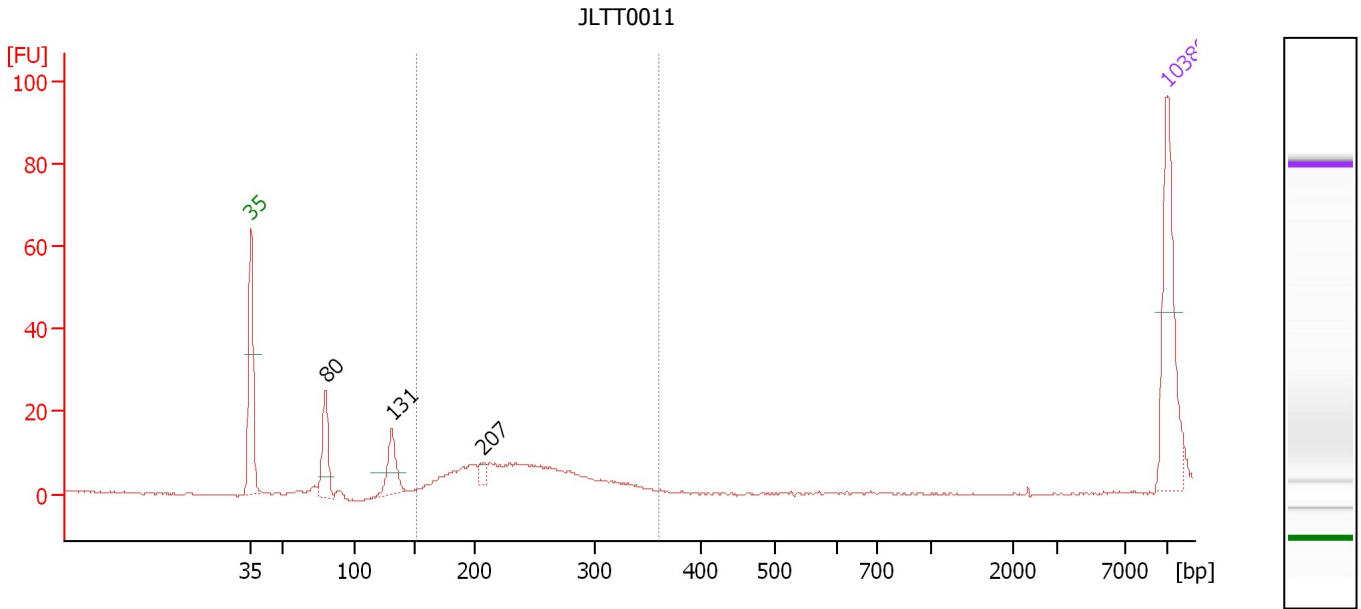
Region table for sample 10 : JLTT0010

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
150	397	238	35.0	342.7	53.63	85	10.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : JLTT0011

Number of peaks found: 3 Corr. Area 1: 50.0
 Noise: 0.3

Peak table for sample 11 : JLTT0011

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	80	53.53	1,007.9		48.70
3	131	40.91	473.2		53.76
4	207	8.16	59.8		60.76
5	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : JLTT0011

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
151	360	225	50.0	519.3	75.94	57	12.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-14\2017-08-14_001.xad

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