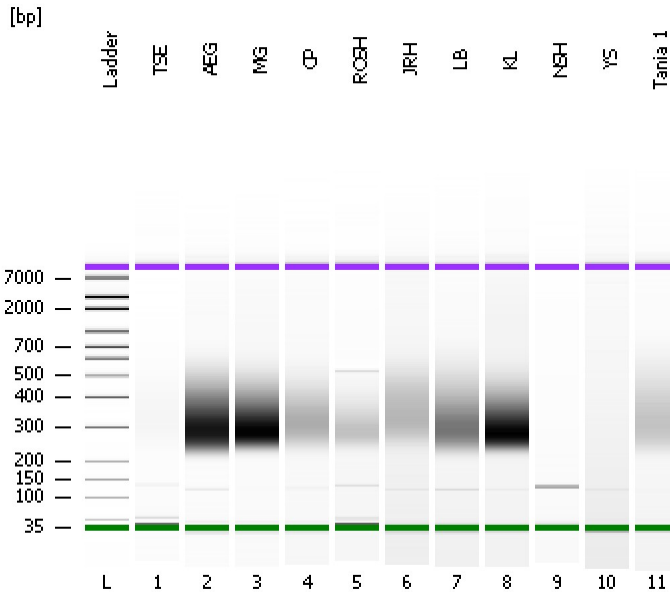


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

Created: 8/10/2017 2:12:11 PM
Modified: 8/10/2017 2:53:30 PM

Electrophoresis File Run Summary



Instrument Information:

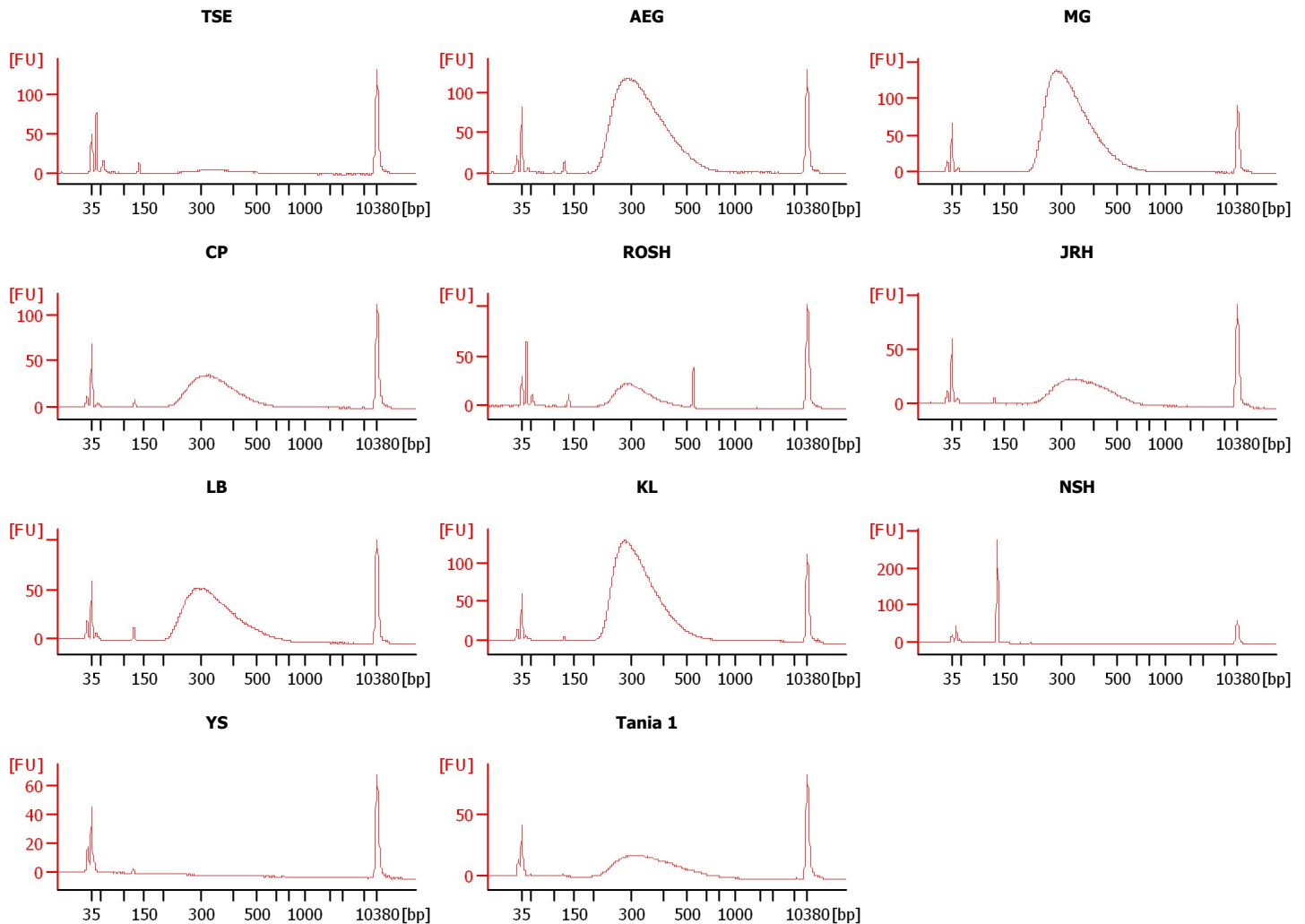
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2017-08-10\2017-08-10_005.xad

Created: 8/10/2017 2:12:11 PM
Modified: 8/10/2017 2:53:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
TSE		<input type="checkbox"/>	✓			
AEG		<input type="checkbox"/>	✓			
MG		<input type="checkbox"/>	✓			
CP		<input type="checkbox"/>	✓			
ROSH		<input type="checkbox"/>	✓			
JRH		<input type="checkbox"/>	✓			
LB		<input type="checkbox"/>	✓			
KL		<input type="checkbox"/>	✓			
NSH		<input type="checkbox"/>	✓			
YS		<input type="checkbox"/>	✓			
Tania 1		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

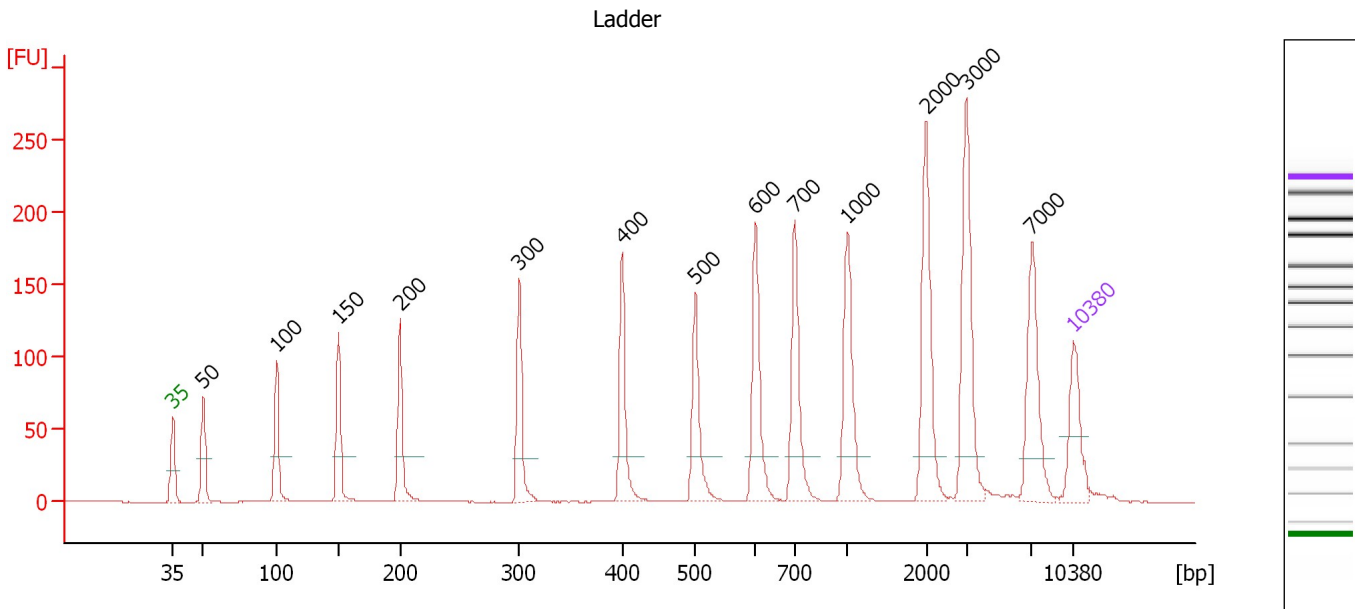
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

Created: 8/10/2017 2:12:11 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

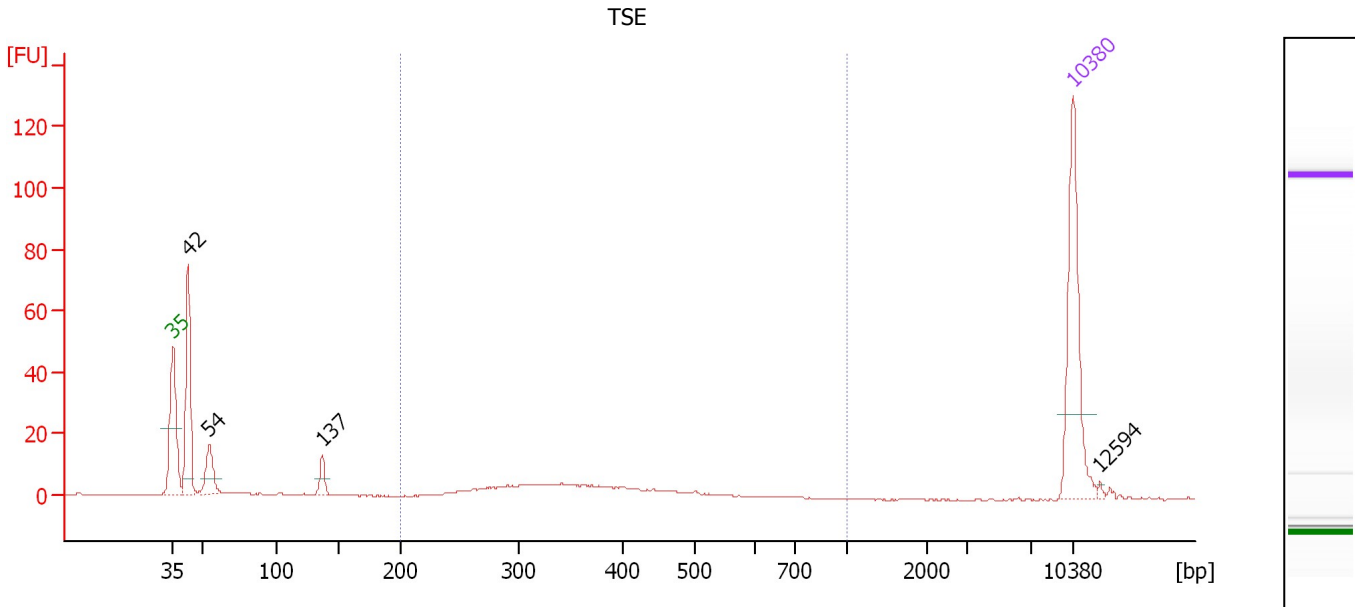
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.04
4	150	150.00	1,515.2	Ladder Peak	55.88
5	200	150.00	1,136.4	Ladder Peak	60.68
6	300	150.00	757.6	Ladder Peak	69.94
7	400	150.00	568.2	Ladder Peak	77.93
8	500	150.00	454.5	Ladder Peak	83.62
9	600	150.00	378.8	Ladder Peak	88.32
10	700	150.00	324.7	Ladder Peak	91.37
11	1,000	150.00	227.3	Ladder Peak	95.46
12	2,000	150.00	113.6	Ladder Peak	101.58
13	3,000	150.00	75.8	Ladder Peak	104.68
14	7,000	150.00	32.5	Ladder Peak	109.80
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : TSE

Number of peaks found: 4 Corr. Area 1: 87.0
 Noise: 0.2

Peak table for sample 1 : TSE

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	42	108.73	3,883.1		44.16
3	54	34.69	968.2		45.84
4	137	14.59	161.1		54.64
5	10,380	75.00	10.9	Upper Marker	113.00
6	12,594	0.00	0.0		115.09

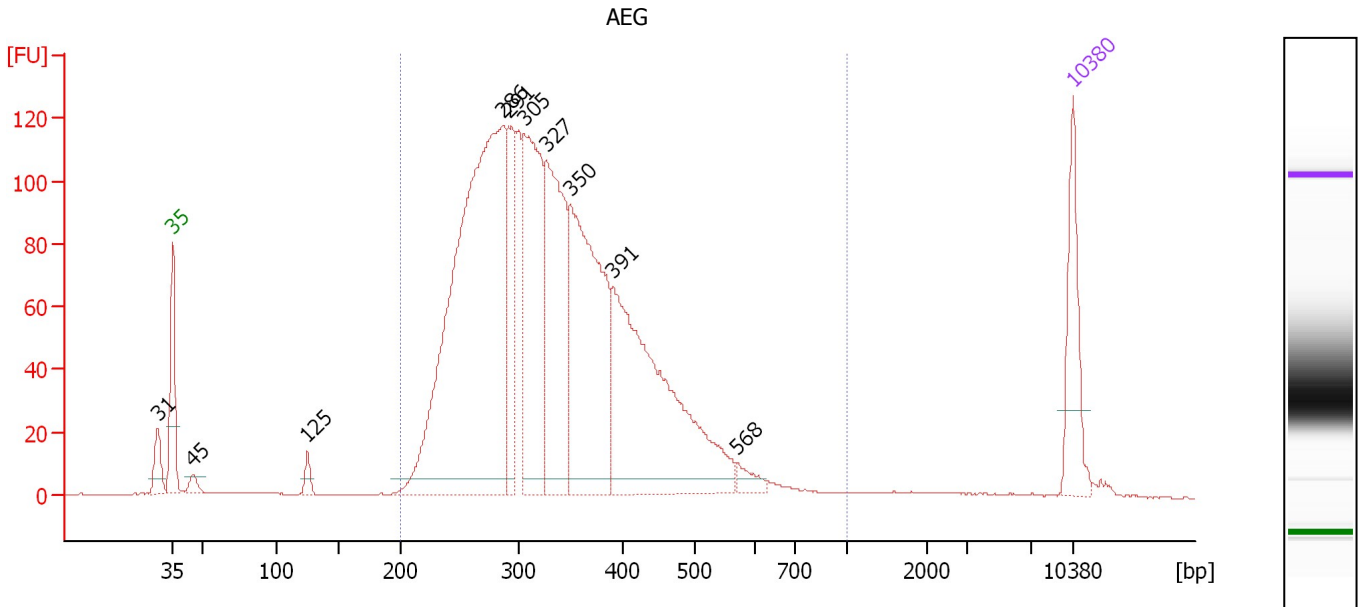
Region table for sample 1 : TSE

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	363	87.0	381.5	85.56	39	22.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : AEG

Number of peaks found: 10 Corr. Area 1: 2,443.1
 Noise: 0.2

Peak table for sample 2 : AEG

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.81
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	15.74	532.8		44.53
4	125	16.93	205.2		53.46
5	286	942.37	4,992.4		68.64
6	291	122.58	637.9		69.12
7	305	295.72	1,467.7		70.36
8	327	288.16	1,336.0		72.08
9	350	384.60	1,664.5		73.94
10	391	440.95	1,707.3		77.24
11	568	17.44	46.5		86.83
12	10,380	75.00	10.9	Upper Marker	113.00

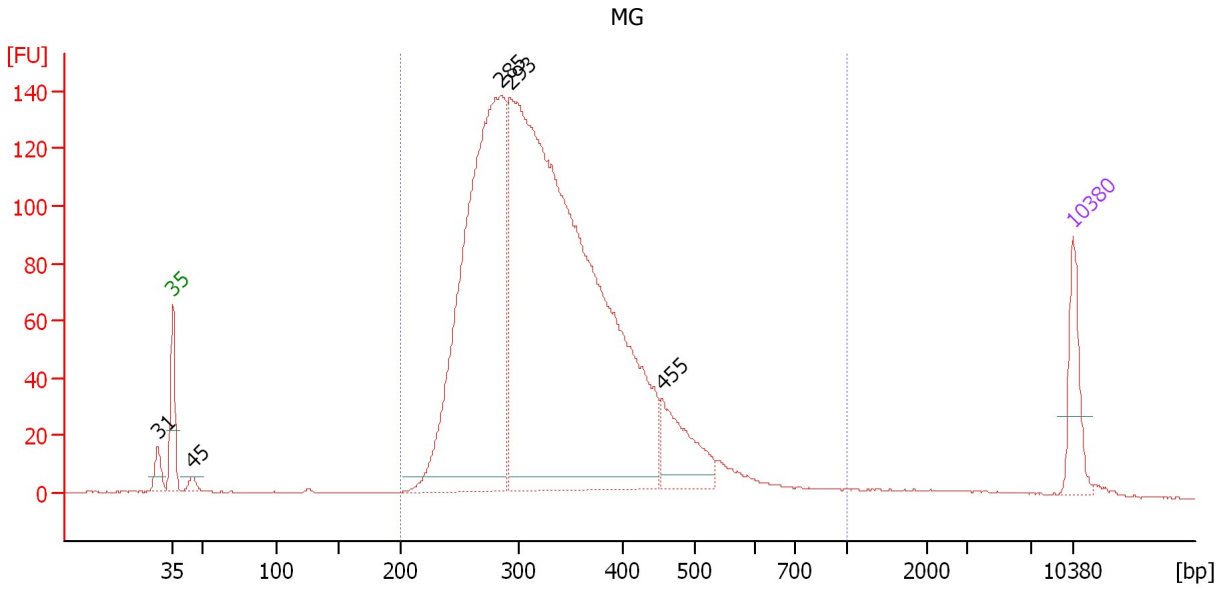
Region table for sample 2 : AEG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	341	2,443.1	12,784.1	2,667.01	96	25.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : MG

Number of peaks found: 5 Corr. Area 1: 2,464.1
 Noise: 0.2

Peak table for sample 3 : MG

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.84
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	18.61	632.2		44.50
4	285	1,285.08	6,840.2		68.52
5	293	2,369.03	12,271.1		69.24
6	455	150.31	501.0		81.03
7	10,380	75.00	10.9	Upper Marker	113.00

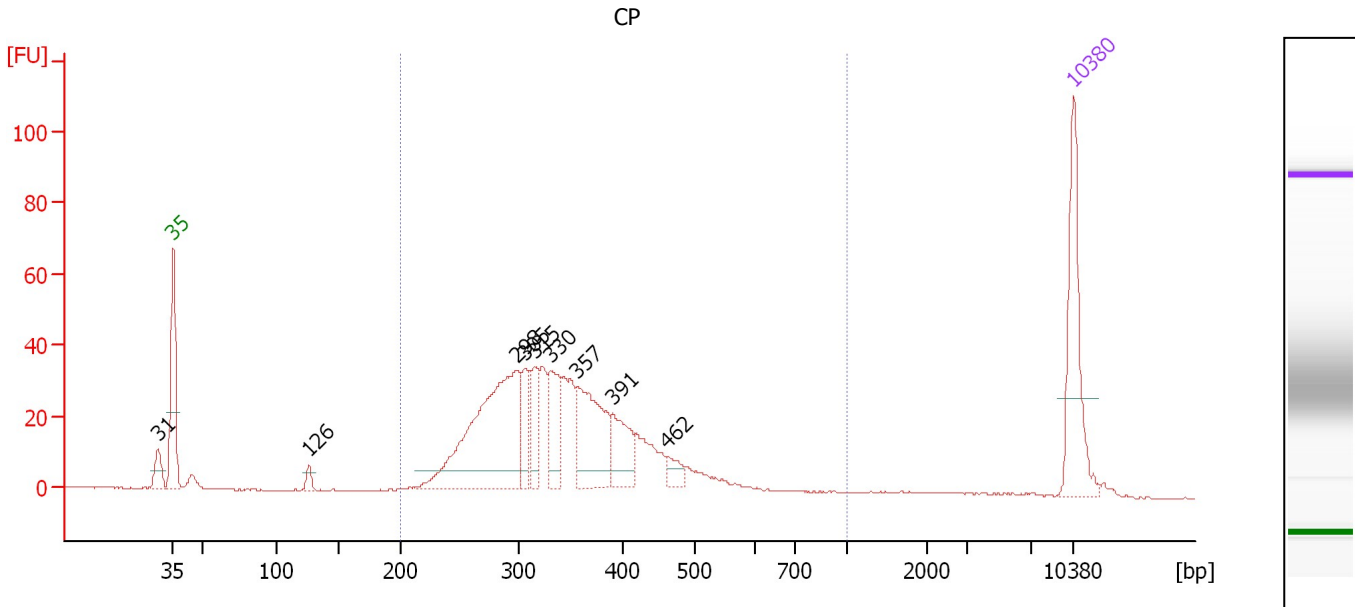
Region table for sample 3 : MG

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	338	2,464.1	18,031.7	3,770.54	96	25.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : CP

Number of peaks found: 9 Corr. Area 1: 662.3
 Noise: 0.1

Peak table for sample 4 : CP

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.82
2	35	125.00	5,411.3	Lower Marker	43.00
3	126	8.81	105.5		53.60
4	298	247.46	1,258.2		69.75
5	305	37.49	186.2		70.34
6	315	40.05	192.7		71.13
7	330	55.40	254.6		72.31
8	357	99.88	424.3		74.47
9	391	47.48	184.0		77.21
10	462	14.16	46.5		81.44
11	10,380	75.00	10.9	Upper Marker	113.00

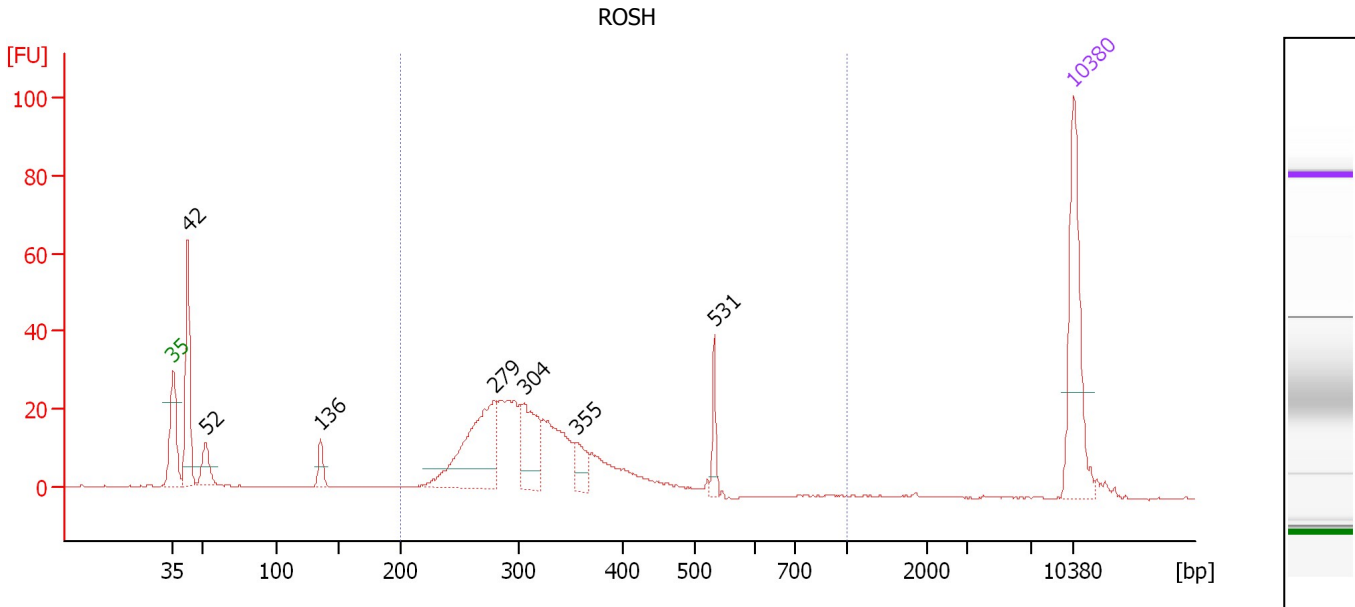
Region table for sample 4 : CP

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	351	662.3	3,571.8	774.89	93	25.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : ROSH

Number of peaks found: 7 Corr. Area 1: 365.2
 Noise: 0.1

Peak table for sample 5 : ROSH

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	42	111.78	3,985.8		44.17
3	52	29.75	871.9		45.54
4	136	16.66	186.1		54.50
5	279	126.54	687.1		68.00
6	304	62.64	311.7		70.30
7	355	20.64	88.0		74.36
8	531	17.81	50.8		85.07
9	10,380	75.00	10.9	Upper Marker	113.00

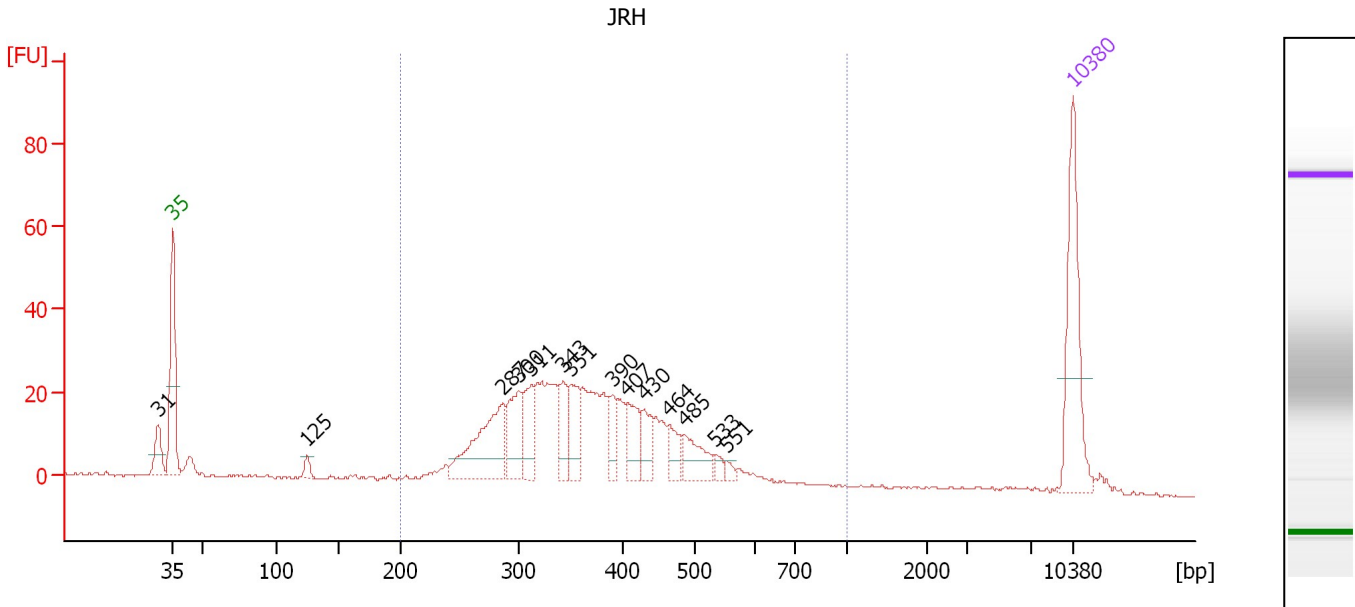
Region table for sample 5 : ROSH

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	328	365.2	2,269.6	465.16	74	22.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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 Modified: 8/10/2017 2:53:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : JRH

Number of peaks found: 14 Corr. Area 1: 540.2
 Noise: 0.2

Peak table for sample 6 : JRH

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.85
2	35	125.00	5,411.3	Lower Marker	43.00
3	125	8.64	104.9		53.44
4	287	98.90	522.5		68.71
5	300	49.32	249.3		69.91
6	311	35.26	171.8		70.81
7	343	27.95	123.6		73.36
8	351	37.04	159.9		74.01
9	390	21.75	84.4		77.15
10	407	33.10	123.4		78.30
11	430	23.16	81.6		79.65
12	464	17.00	55.5		81.59
13	485	31.07	97.2		82.74
14	533	6.65	18.9		85.19
15	551	4.72	13.0		86.04
16	10,380	75.00	10.9	Upper Marker	113.00

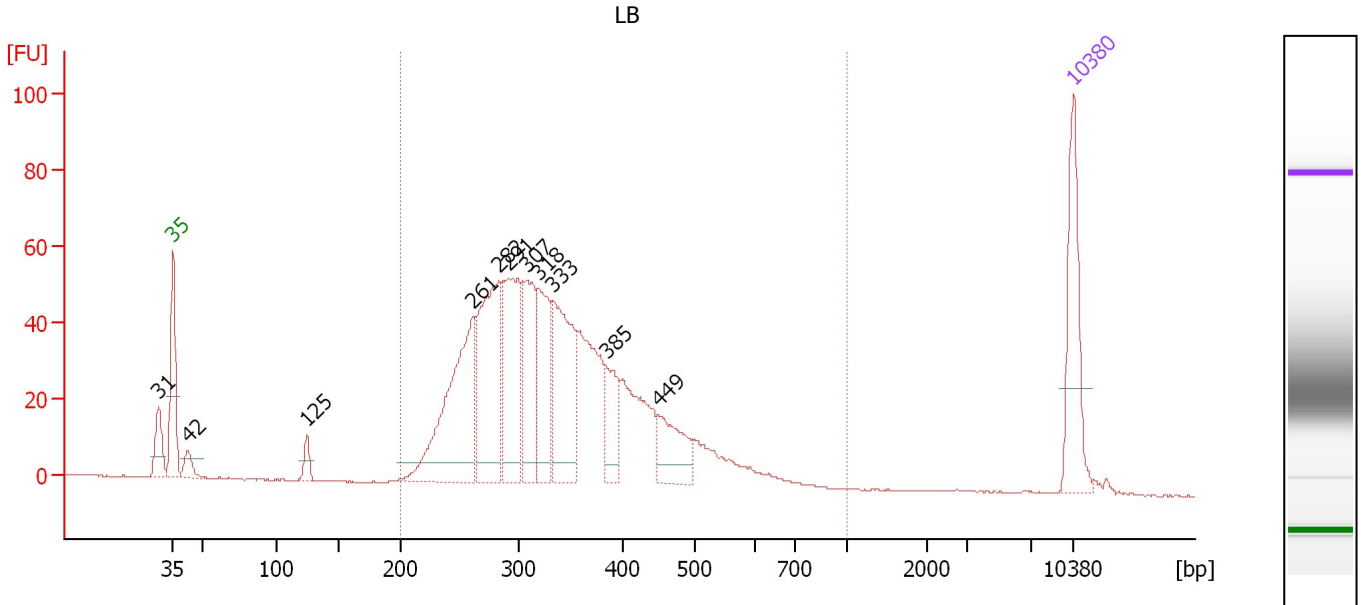
Region table for sample 6 : JRH

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	381	540.2	3,084.2	714.16	86	26.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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 Modified: 8/10/2017 2:53:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LB

Number of peaks found: 11 Corr. Area 1: 1,058.3
 Noise: 0.1

Peak table for sample 7 : LB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.89
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	21.52	768.6		44.16
4	125	17.43	211.9		53.43
5	261	223.71	1,301.0		66.28
6	282	183.38	983.9		68.31
7	291	147.97	770.1		69.12
8	307	105.32	519.0		70.53
9	318	101.47	483.1		71.39
10	333	150.08	682.0		72.61
11	385	49.21	193.8		76.71
12	449	61.00	205.9		80.71
13	10,380	75.00	10.9	Upper Marker	113.00

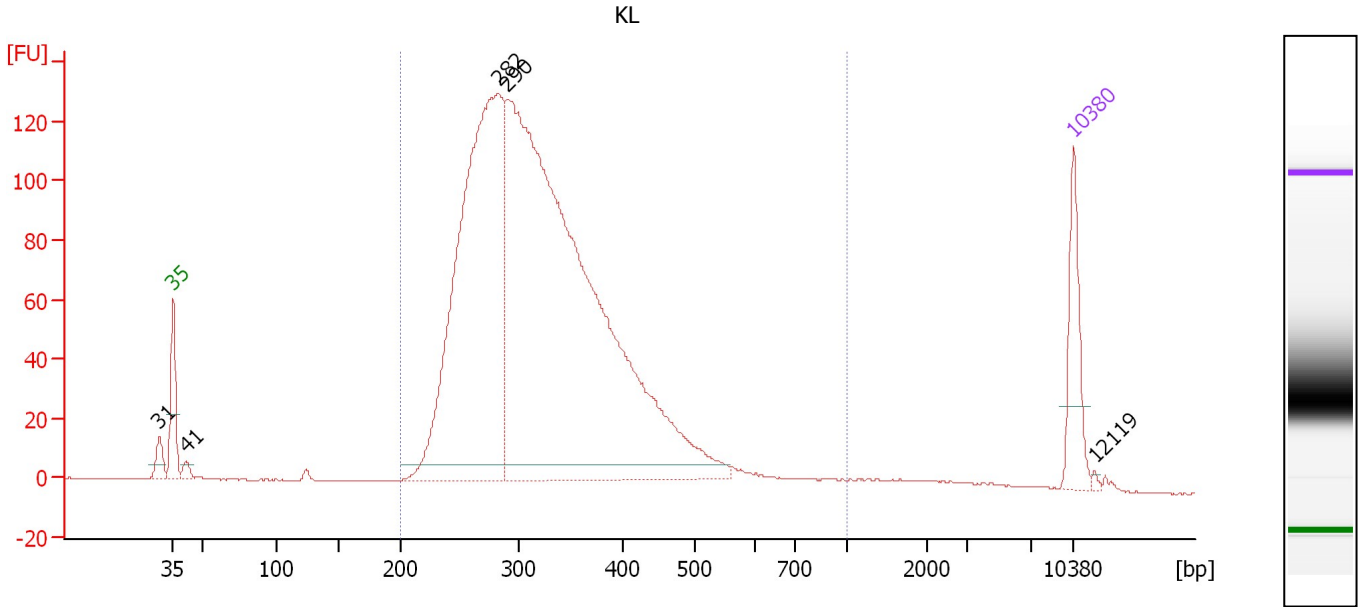
Region table for sample 7 : LB

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	344	1,058.3	6,506.2	1,373.71	95	24.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : KL

Number of peaks found: 5 Corr. Area 1: 2,206.7
 Noise: 0.1

Peak table for sample 8 : KL

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.92
2	35	125.00	5,411.3	Lower Marker	43.00
3	41	15.43	566.9		43.98
4	282	1,022.92	5,492.7		68.29
5	290	1,795.48	9,382.7		69.01
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,119	0.00	0.0		114.64

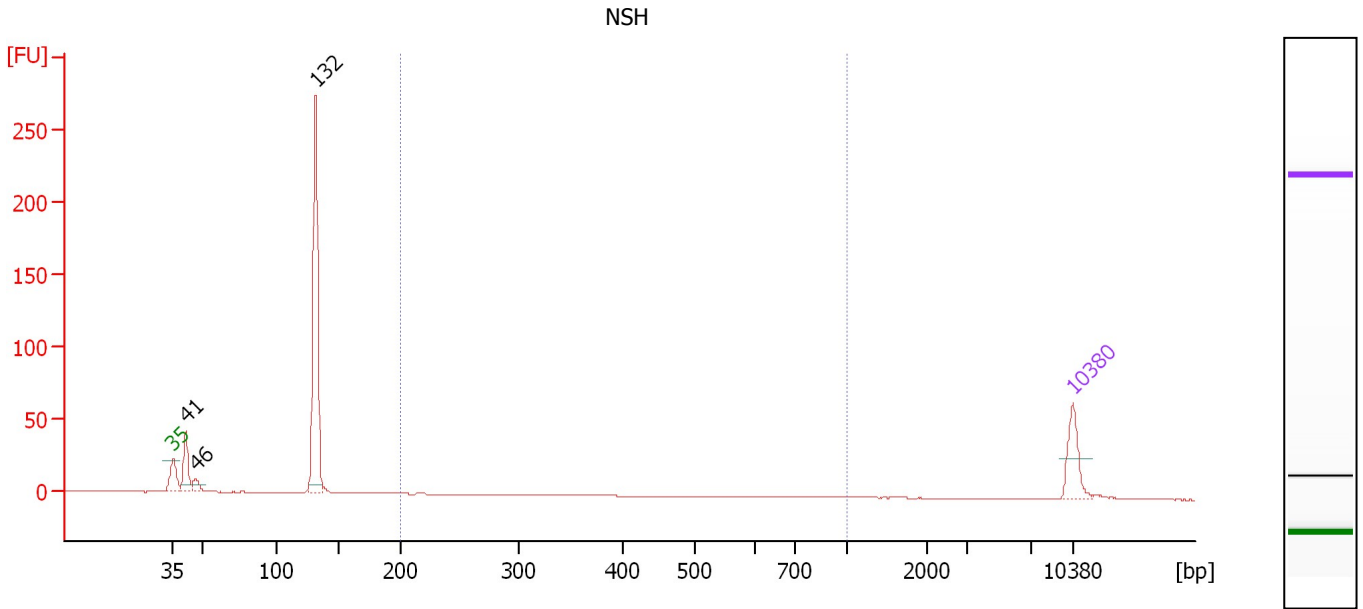
Region table for sample 8 : KL

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	332	2,206.7	13,505.2	2,769.10	95	26.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : NSH

Number of peaks found: 3 Corr. Area 1: 0.4
 Noise: 0.1

Peak table for sample 9 : NSH

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	41	132.41	4,868.4		43.97
3	46	32.14	1,048.7		44.79
4	132	617.02	7,096.8		54.11
5	10,380	75.00	10.9	Upper Marker	113.00

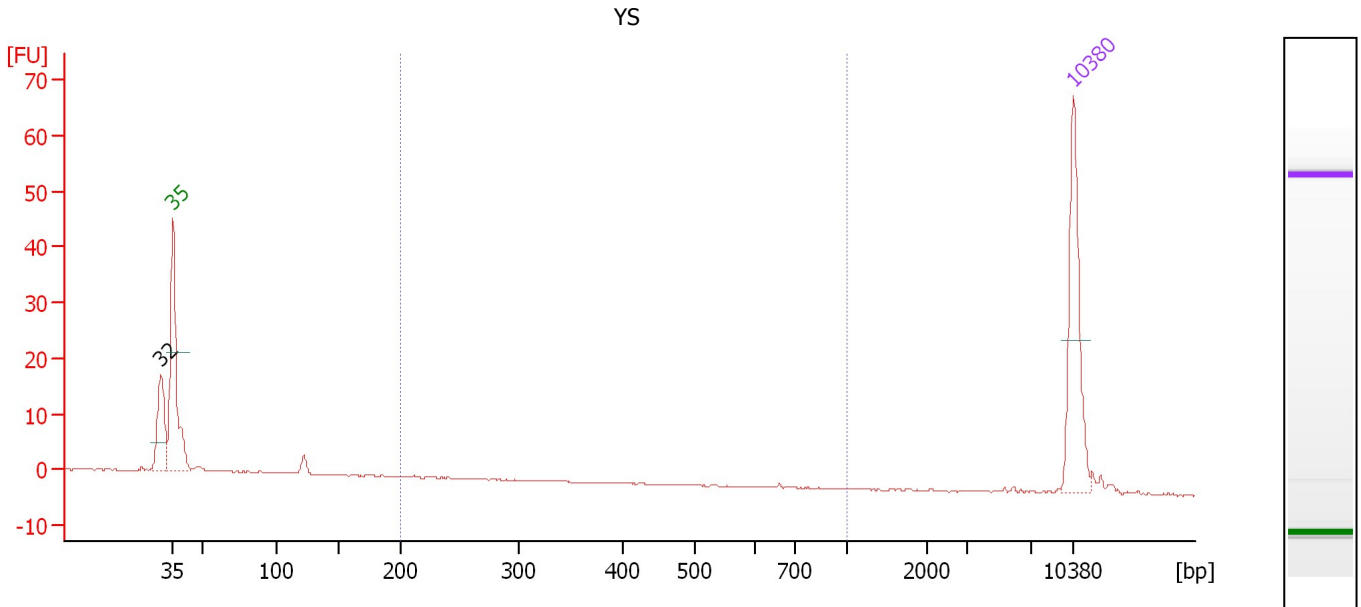
Region table for sample 9 : NSH

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	213	0.4	7.3	1.03	0	3.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : YS

Number of peaks found: 1 Corr. Area 1: 0.6
 Noise: 0.1

Peak table for sample 10 : YS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.05
2	35	125.00	5,411.3	Lower Marker	43.00
3	10,380	75.00	10.9	Upper Marker	113.00

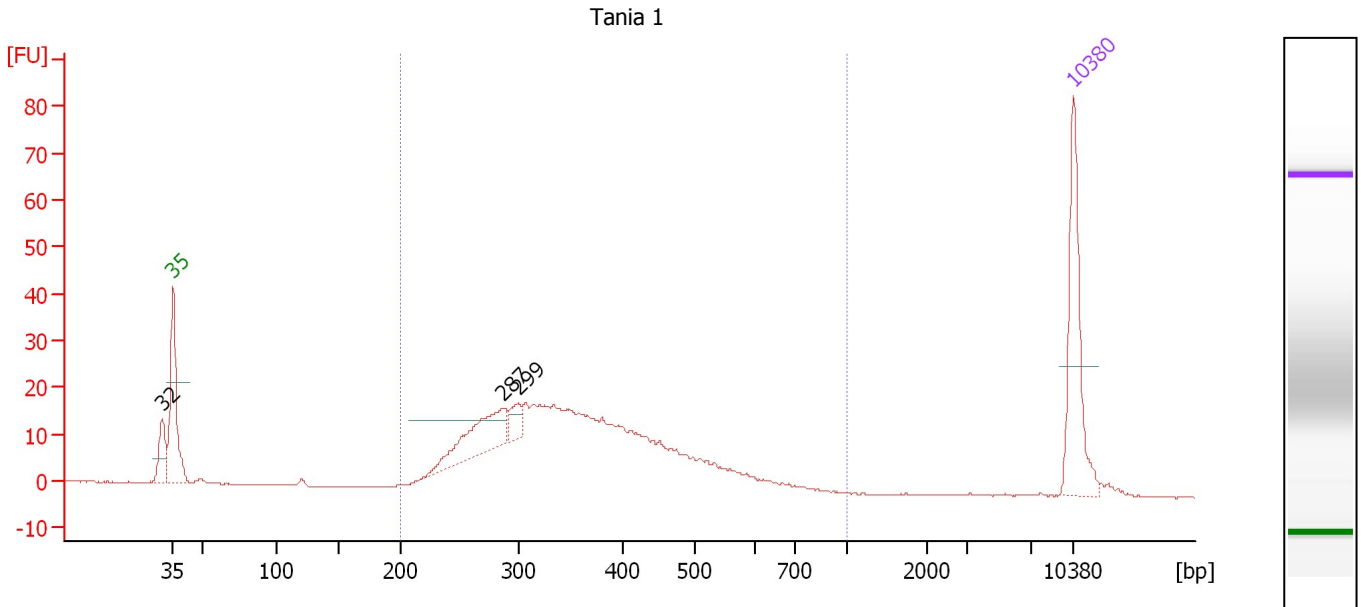
Region table for sample 10 : YS

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	284	0.6	7.9	1.23	1	53.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Tania 1

Number of peaks found: 3 Corr. Area 1: 391.1
 Noise: 0.1

Peak table for sample 11 : Tania 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.20
2	35	125.00	5,411.3	Lower Marker	43.00
3	287	76.33	403.3		68.71
4	299	17.35	88.0		69.83
5	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : Tania 1

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	365	391.1	2,760.0	610.57	94	26.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-10\2017-08-10_005.xad

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