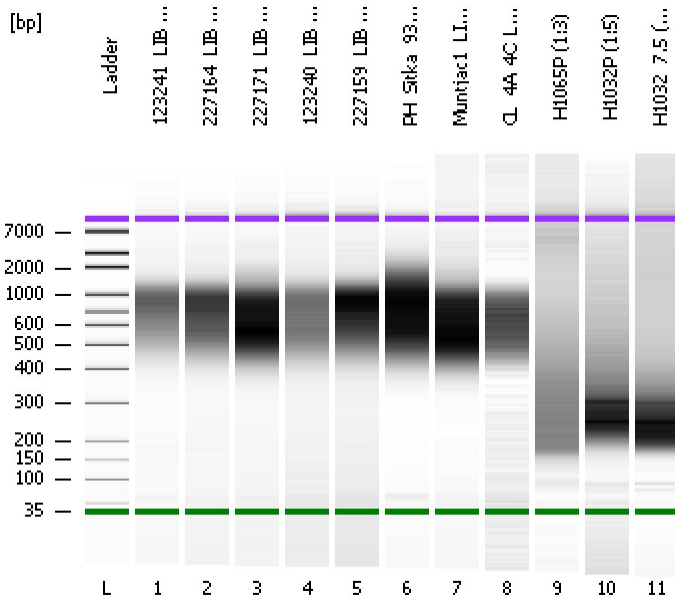


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
Modified: 9/25/2017 4:34:02 PM

Electrophoresis File Run Summary



Instrument Information:

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

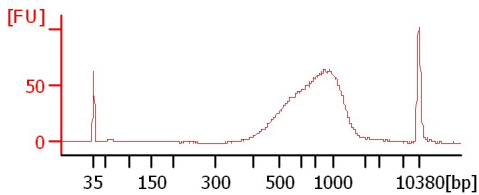
Assay Information:

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

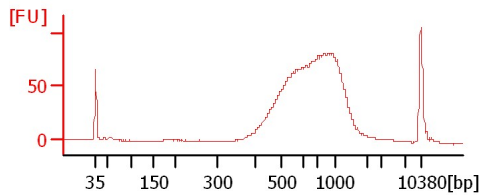
Chip Information:

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

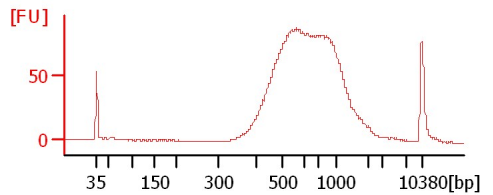
123241_LIB (1:2)



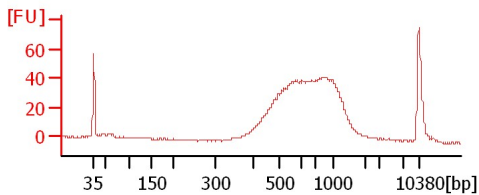
227164_LIB (1:10)



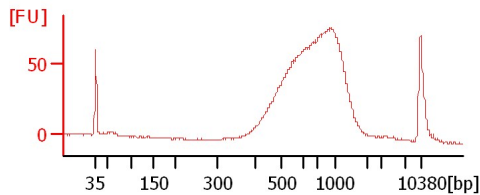
227171_LIB (1:10)



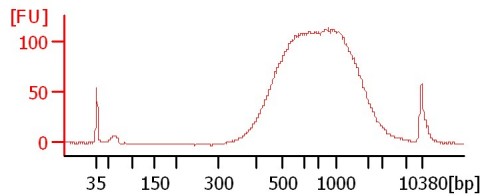
123240_LIB (1:10)



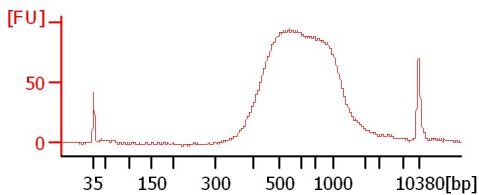
227159_LIB (1:10)



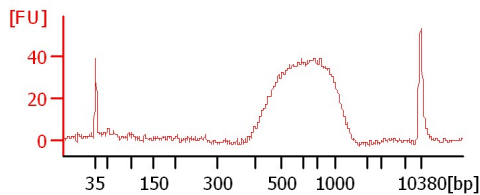
PH_Sitka_93_LIB (1:10)



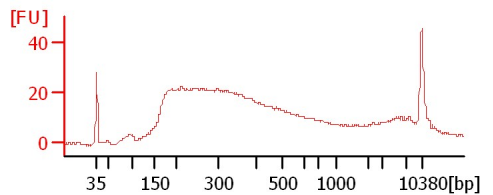
Muntjac1_LIB (1:10)



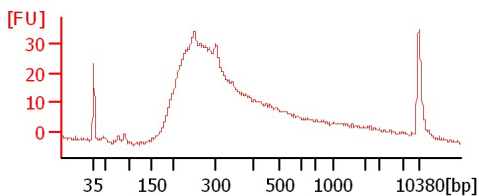
CL_4A_4C_LIB (1:10)



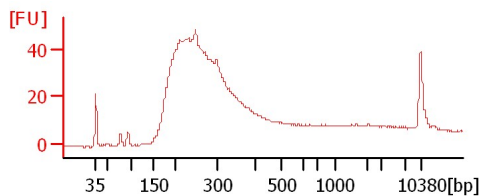
H1065P (1:3)



H1032P (1:5)



H1032_7.5 (1:2)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
Modified: 9/25/2017 4:34:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
123241_LIB (1:2)		<input type="checkbox"/>	✓			
227164_LIB (1:10)		<input type="checkbox"/>	✓			
227171_LIB (1:10)		<input type="checkbox"/>	✓			
123240_LIB (1:10)		<input type="checkbox"/>	✓			
227159_LIB (1:10)		<input type="checkbox"/>	✓			
PH_Sitka_93_LIB (1:10)		<input type="checkbox"/>	✓			
Muntjac1_LIB (1:10)		<input type="checkbox"/>	✓			
CL_4A_4C_LIB (1:10)		<input type="checkbox"/>	✓			
H1065P (1:3)		<input type="checkbox"/>	✓			
H1032P (1:5)		<input type="checkbox"/>	✓			
H1032_7.5 (1:2)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

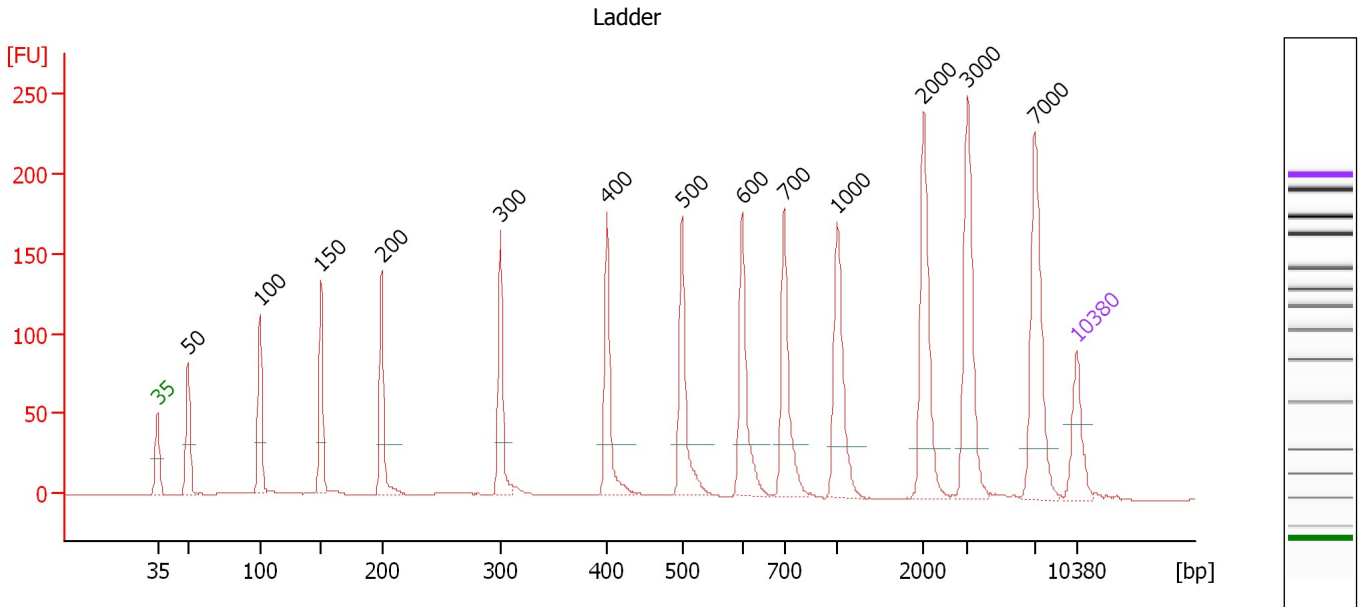
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

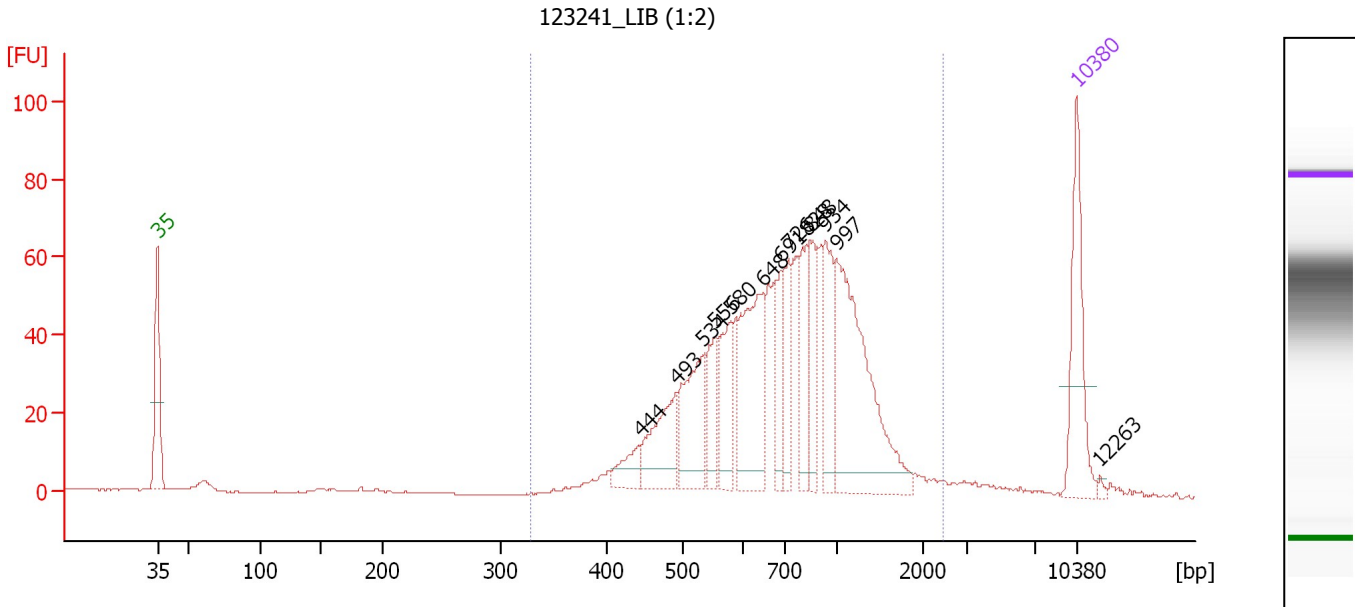
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.31
3	100	150.00	2,272.7	Ladder Peak	50.78
4	150	150.00	1,515.2	Ladder Peak	55.45
5	200	150.00	1,136.4	Ladder Peak	60.08
6	300	150.00	757.6	Ladder Peak	69.11
7	400	150.00	568.2	Ladder Peak	77.24
8	500	150.00	454.5	Ladder Peak	82.94
9	600	150.00	378.8	Ladder Peak	87.52
10	700	150.00	324.7	Ladder Peak	90.72
11	1,000	150.00	227.3	Ladder Peak	94.77
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.73
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\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 123241 LIB (1:2)

Number of peaks found: 13 Corr. Area 1: 997.5
 Noise: 0.2

Peak table for sample 1 : 123241 LIB (1:2)

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	444	27.13	92.6		79.74
3	493	76.33	234.5		82.55
4	534	90.39	256.3		84.51
5	556	41.89	114.2		85.49
6	580	54.60	142.6		86.61
7	648	131.16	306.6		89.06
8	691	45.98	100.8		90.44
9	726	44.04	92.0		91.06
10	828	61.51	112.6		92.45
11	848	44.77	80.0		92.71
12	934	67.35	109.3		93.87
13	997	194.25	295.3		94.72
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,263	0.00	0.0		114.78

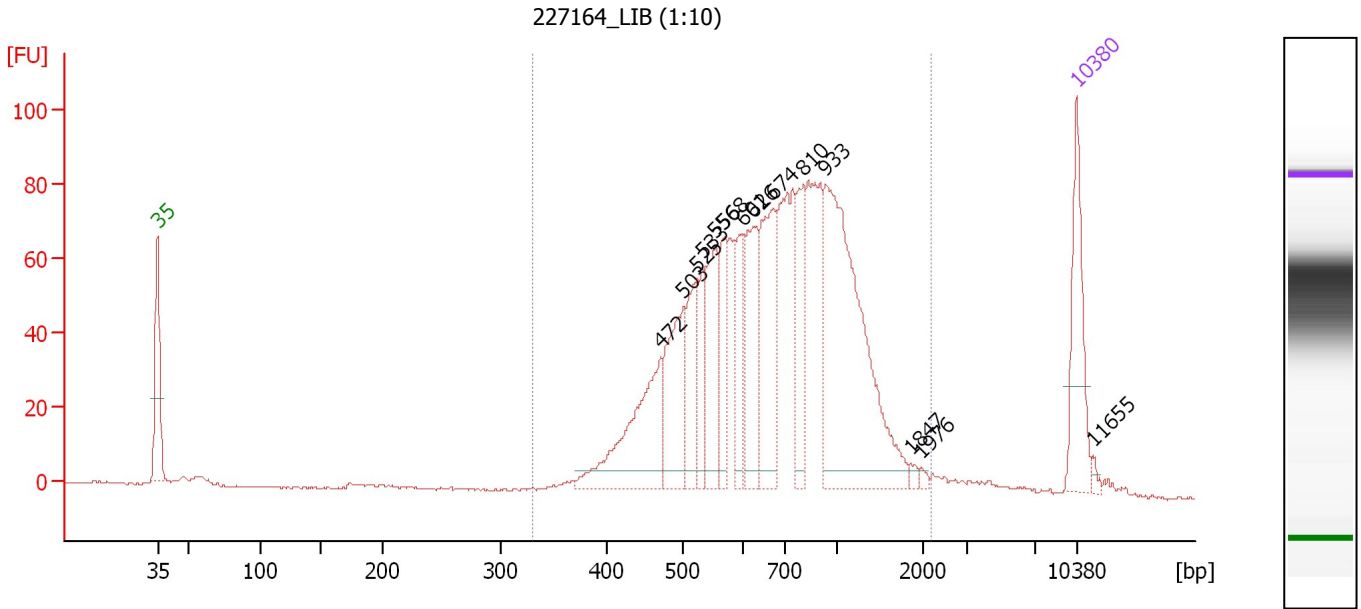
Region table for sample 1 : 123241 LIB (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
329	2,457	808	997.5	2,465.1	1,114.69	94	40.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 227164 LIB (1:10)

Number of peaks found: 14 Corr. Area 1: 1,421.5
 Noise: 0.3

Peak table for sample 2 : 227164 LIB (1:10)

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	472	155.65	499.8		81.33
3	503	114.11	343.7		83.08
4	525	73.52	212.4		84.06
5	533	49.12	139.5		84.46
6	556	86.05	234.6		85.49
7	568	57.35	153.1		86.03
8	601	51.90	130.8		87.55
9	626	90.36	218.6		88.35
10	674	129.97	292.3		89.88
11	810	71.72	134.2		92.20
12	933	320.04	520.0		93.86
13	1,847	4.79	3.9		100.34
14	1,976	3.64	2.8		101.19
15	10,380	75.00	10.9	Upper Marker	113.00
16	11,655	0.00	0.0		114.21

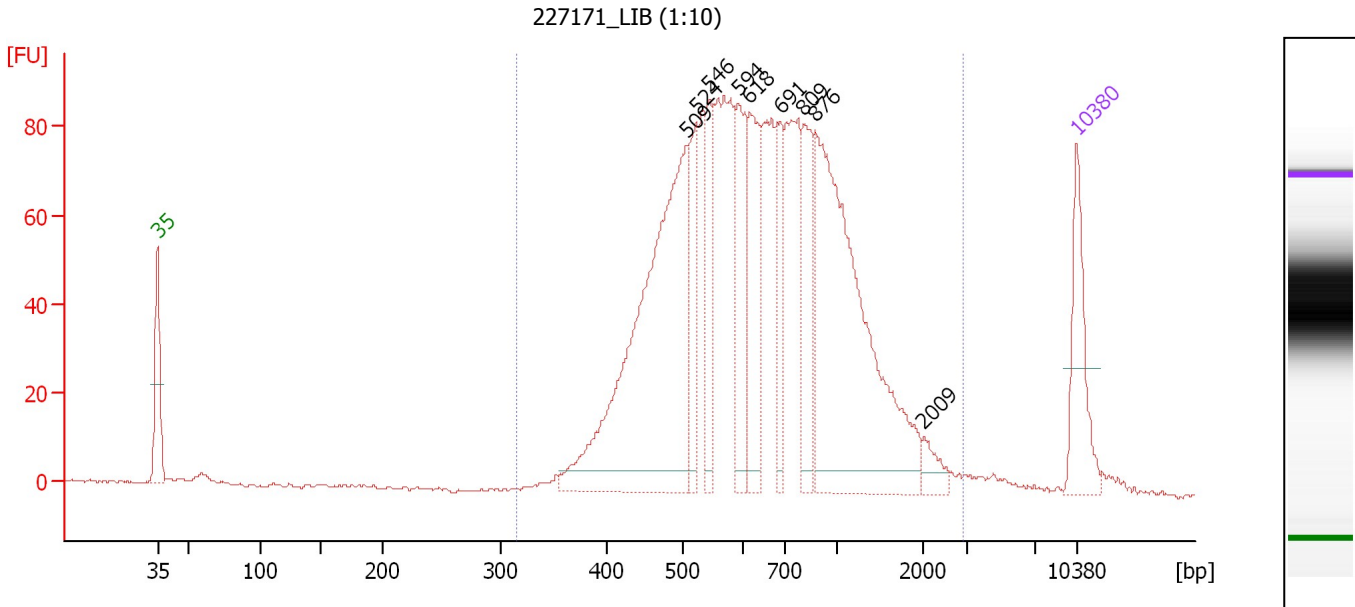
Region table for sample 2 : 227164 LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
330	2,169	769	1,421.5	3,692.7	1,603.95	96	39.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 227171 LIB (1:10)

Number of peaks found: 9 Corr. Area 1: 1,747.9
 Noise: 0.3

Peak table for sample 3 : 227171 LIB (1:10)

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	509	557.29	1,658.1		83.36
3	524	88.70	256.5		84.04
4	546	80.54	223.6		85.03
5	594	108.18	276.0		87.23
6	618	121.45	297.8		88.09
7	691	71.26	156.2		90.43
8	809	96.80	181.3		92.19
9	876	457.87	792.2		93.09
10	2,009	19.39	14.6		101.38
11	10,380	75.00	10.9	Upper Marker	113.00

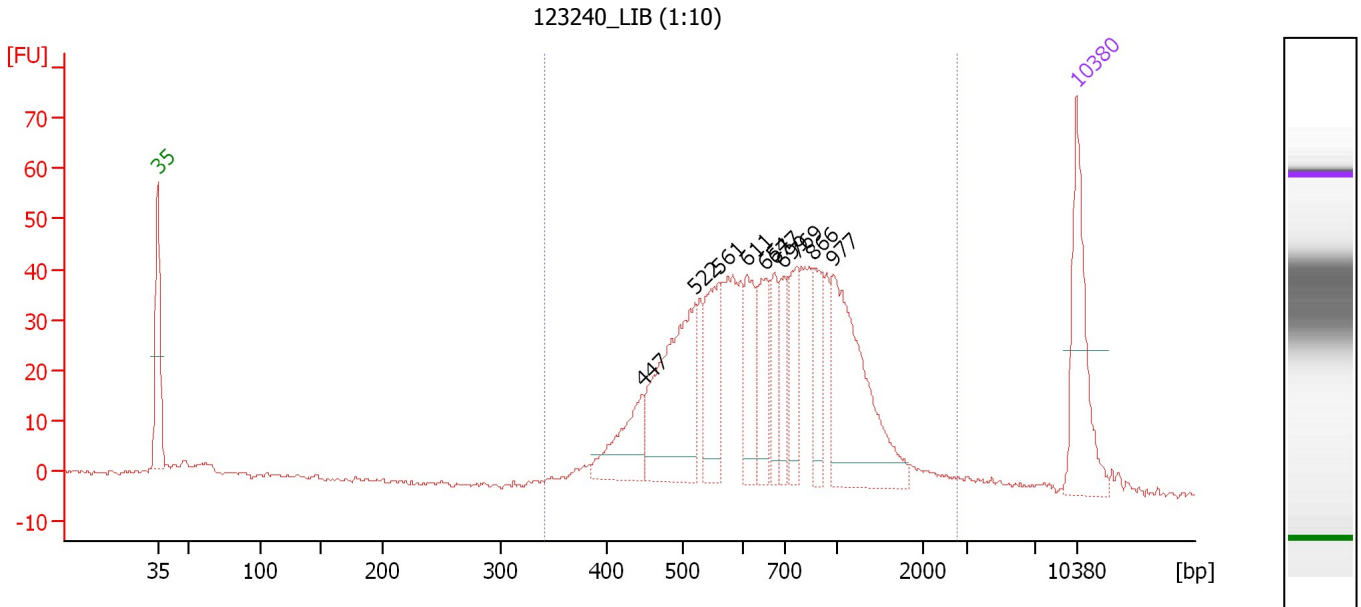
Region table for sample 3 : 227171 LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
315	2,898	755	1,747.9	5,391.4	2,218.66	97	49.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 123240 LIB (1:10)

Number of peaks found: 10 Corr. Area 1: 833.2
 Noise: 0.5

Peak table for sample 4 : 123240 LIB (1:10)

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	61.67	209.2		79.90
3	522	160.10	464.8		83.94
4	561	76.84	207.3		85.75
5	611	51.86	128.5		87.88
6	654	54.65	126.6		89.24
7	677	35.56	79.6		89.97
8	699	40.56	87.9		90.69
9	769	47.94	94.5		91.65
10	866	43.27	75.7		92.96
11	977	150.42	233.2		94.46
12	10,380	75.00	10.9	Upper Marker	113.00

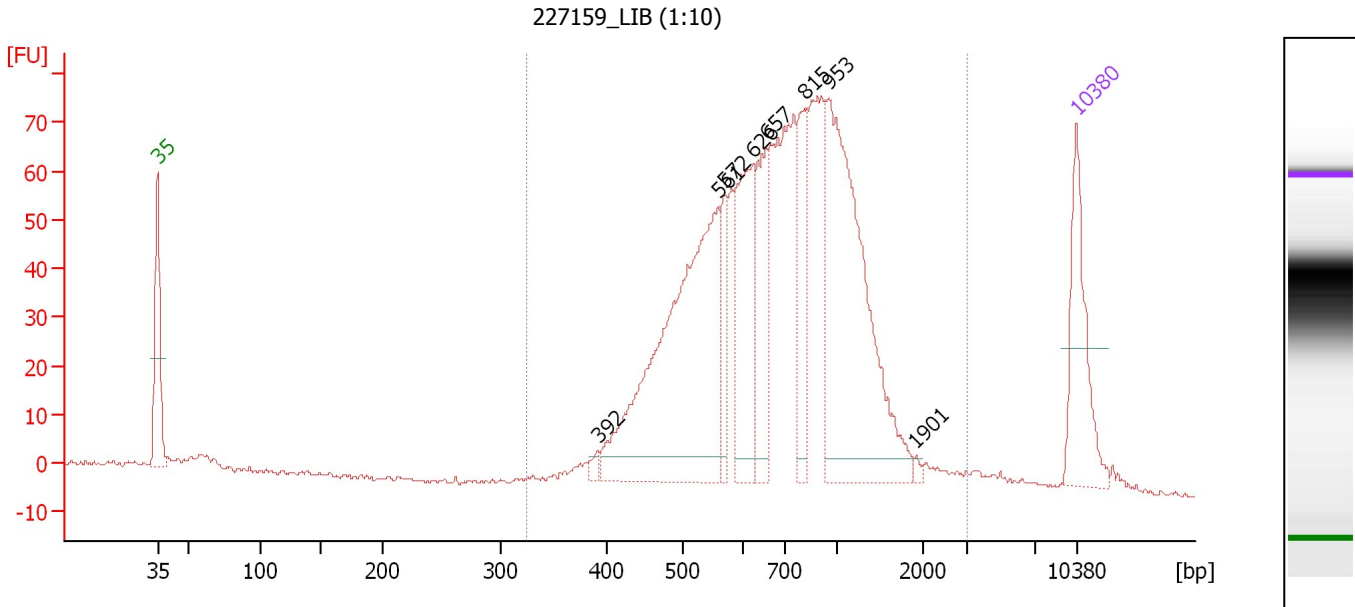
Region table for sample 4 : 123240 LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
342	2,760	769	833.2	2,318.5	983.13	95	45.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 227159 LIB (1:10)

Number of peaks found: 8 Corr. Area 1: 1,275.8
 Noise: 0.4

Peak table for sample 5 : 227159 LIB (1:10)

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	392	6.76	26.1		76.59
3	561	370.81	1,000.8		85.75
4	572	45.70	121.0		86.25
5	626	125.59	304.0		88.35
6	657	90.06	207.6		89.35
7	815	71.21	132.5		92.26
8	953	296.66	471.6		94.13
9	1,901	2.94	2.3		100.70
10	10,380	75.00	10.9	Upper Marker	113.00

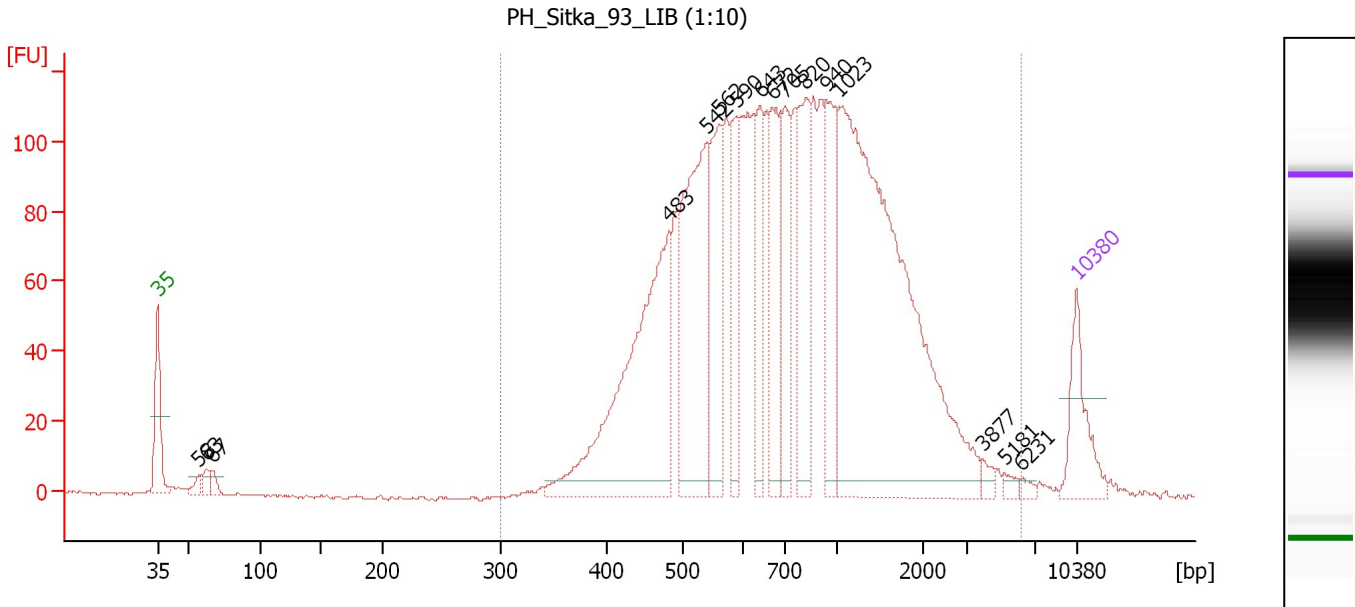
Region table for sample 5 : 227159 LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
324	2,972	799	1,275.8	3,191.3	1,419.65	97	43.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PH_Sitka_93_LIB (1:10)

Number of peaks found: 16 Corr. Area 1: 2,561.1
 Noise: 0.4

Peak table for sample 6 : PH_Sitka_93_LIB (1:10)

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	58	15.08	395.2		46.17
3	63	18.34	442.2		46.72
4	67	16.56	374.3		47.18
5	483	513.20	1,609.8		81.97
6	542	364.75	1,019.6		84.86
7	562	179.17	483.0		85.78
8	590	108.79	279.3		87.07
9	643	109.98	259.1		88.90
10	672	141.57	319.2		89.82
11	705	126.07	271.0		90.78
12	820	157.49	290.8		92.34
13	940	139.50	225.0		93.95
14	1,023	851.00	1,260.9		94.91
15	3,877	10.03	3.9		105.84
16	5,181	7.92	2.3		107.49
17	6,231	6.38	1.6		108.82
18	10,380	75.00	10.9	Upper Marker	113.00

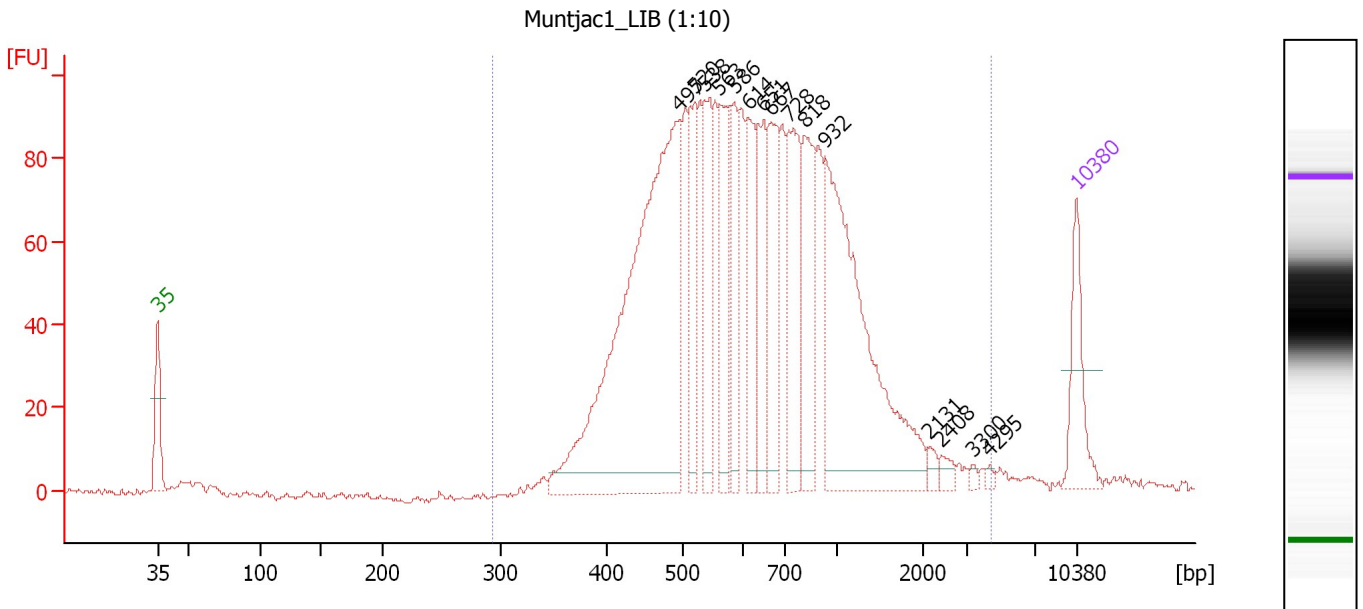
Region table for sample 6 : PH_Sitka_93_LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
300	6,156	956	2,561.1	7,486.5	3,398.57	98	69.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Muntjac1_LIB (1:10)

Number of peaks found: 15 Corr. Area 1: 1,916.6
 Noise: 0.7

Peak table for sample 7 : Muntjac1_LIB (1:10)

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	497	900.35	2,747.3		82.74
3	520	133.01	387.4		83.86
4	538	131.29	370.1		84.65
5	563	150.00	403.7		85.82
6	586	112.78	291.4		86.90
7	614	121.38	299.5		87.97
8	651	135.50	315.6		89.14
9	667	150.80	342.7		89.65
10	728	181.58	377.8		91.10
11	818	154.99	287.0		92.31
12	932	473.60	769.6		93.85
13	2,131	11.29	8.0		101.79
14	2,408	11.23	7.1		102.73
15	3,300	4.94	2.3		105.11
16	4,295	4.35	1.5		106.37
17	10,380	75.00	10.9	Upper Marker	113.00

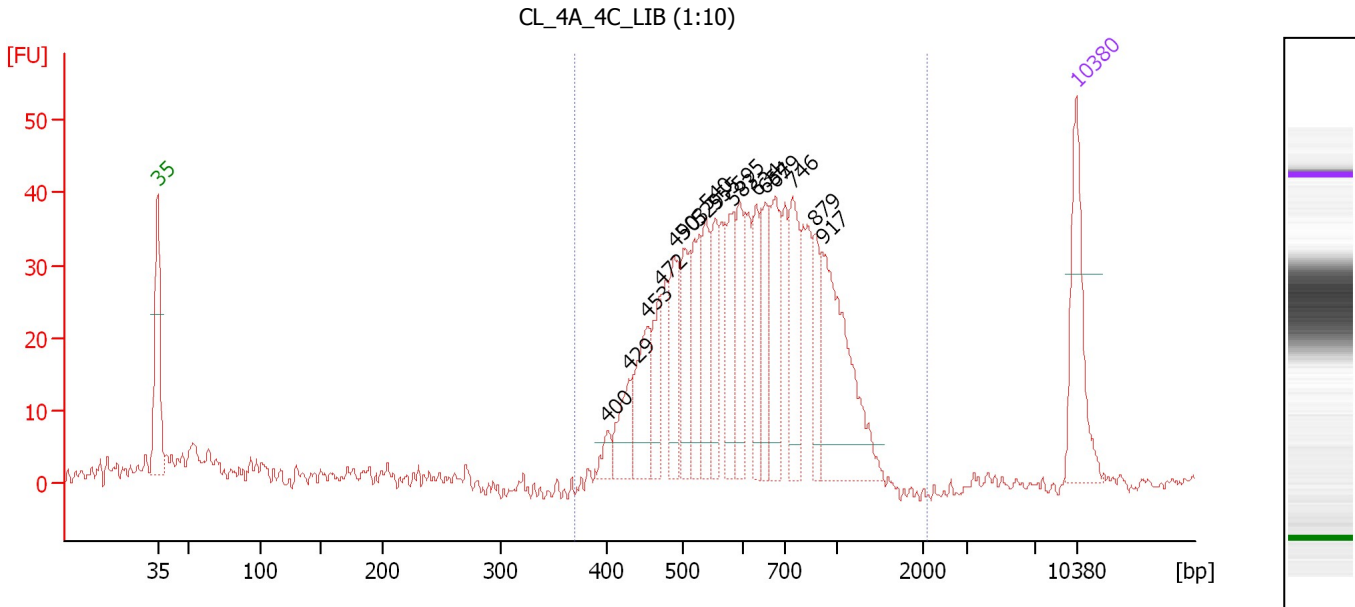
Region table for sample 7 : Muntjac1_LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
293	4,371	734	1,916.6	7,932.7	3,140.05	99	55.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CL 4A 4C LIB (1:10)

Number of peaks found: 17 Corr. Area 1: 597.0
 Noise: 0.8

Peak table for sample 8 : CL 4A 4C LIB (1:10)

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	400	15.49	58.6		77.27
3	429	43.31	152.8		78.92
4	453	65.06	217.8		80.24
5	472	49.16	157.9		81.33
6	490	62.40	192.9		82.37
7	503	65.05	195.9		83.07
8	529	69.55	199.3		84.25
9	540	56.49	158.5		84.77
10	555	56.11	153.3		85.43
11	583	59.20	153.7		86.76
12	595	55.87	142.3		87.28
13	634	51.41	122.9		88.60
14	654	56.53	130.9		89.26
15	679	73.53	164.0		90.06
16	746	73.84	150.0		91.33
17	879	44.54	76.8		93.13
18	917	149.83	247.5		93.65
19	10,380	75.00	10.9	Upper Marker	113.00

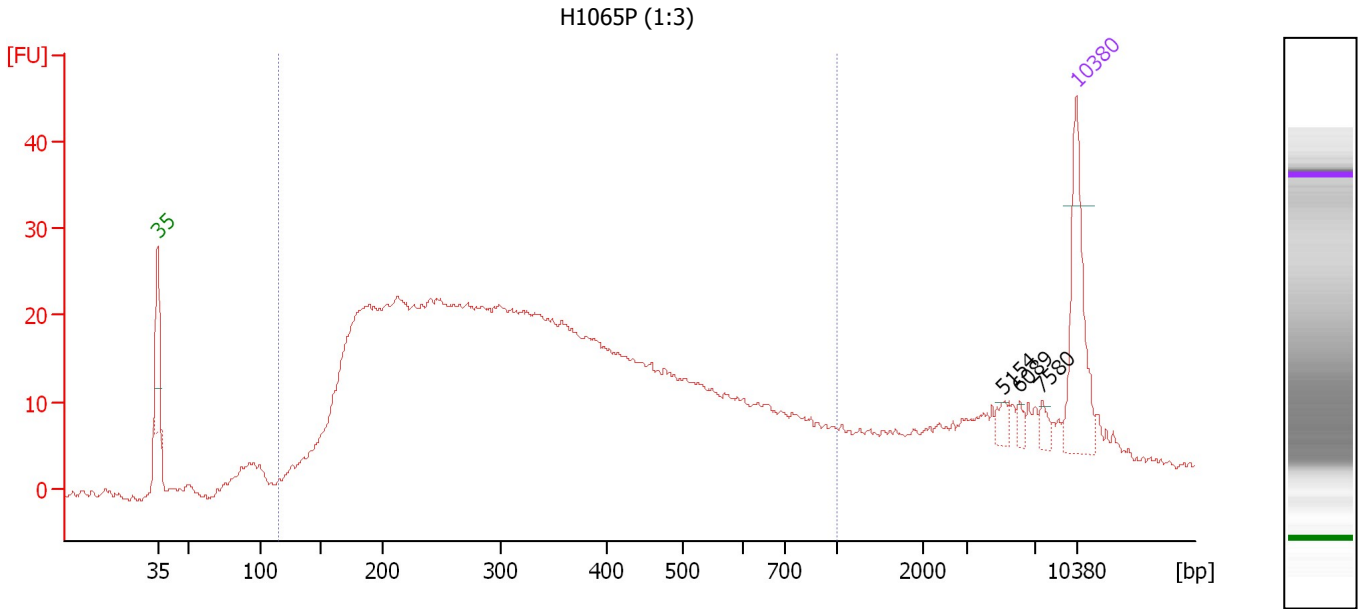
Region table for sample 8 : CL 4A 4C LIB (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
369	2,094	667	597.0	3,065.2	1,230.69	97	29.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : H1065P (1:3)

Number of peaks found: 3 Corr. Area 1: 805.5
 Noise: 0.4

Peak table for sample 9 : H1065P (1:3)

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	5,154	8.59	2.5		107.46
3	6,089	5.49	1.4		108.64
4	7,580	7.81	1.6		110.35
5	10,380	75.00	10.9	Upper Marker	113.00

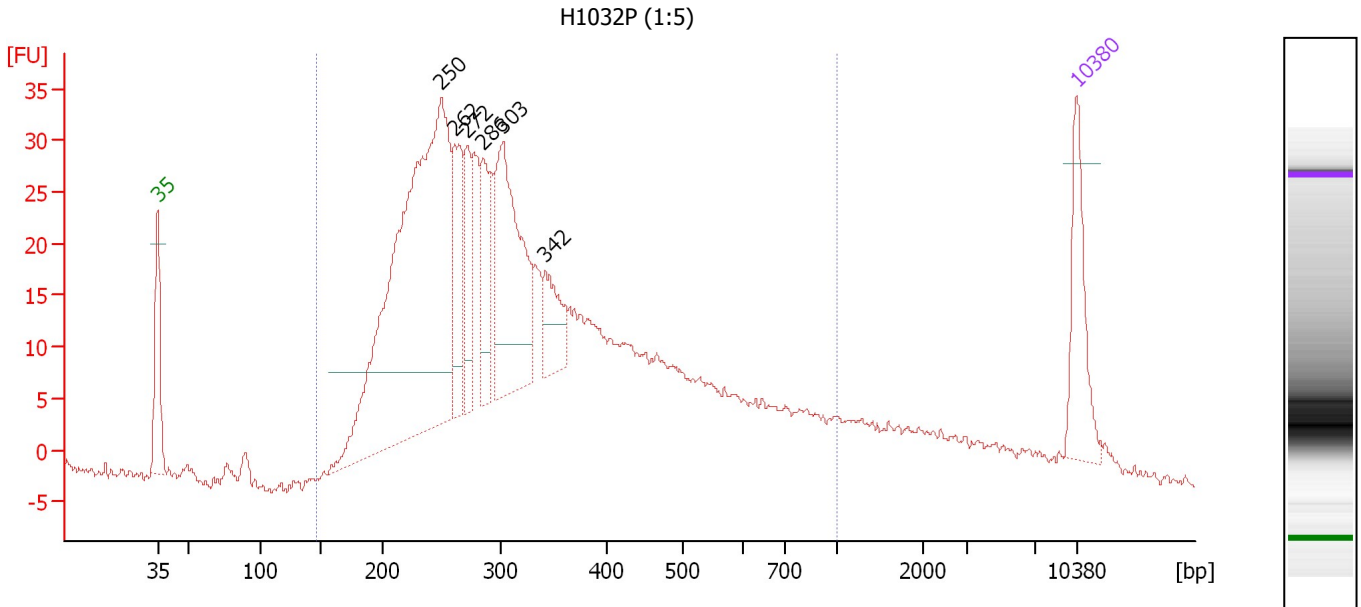
Region table for sample 9 : H1065P (1:3)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
115	1,000	357	805.5	13,558.2	2,460.62	87	46.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : H1032P (1:5)

Number of peaks found: 6 Corr. Area 1: 794.2
 Noise: 0.5

Peak table for sample 10 : H1032P (1:5)

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	250	813.97	4,925.6		64.63
3	262	117.19	677.9		65.67
4	272	80.41	447.2		66.62
5	286	76.47	405.7		67.80
6	303	252.61	1,264.7		69.32
7	342	61.44	272.0		72.55
8	10,380	75.00	10.9	Upper Marker	113.00

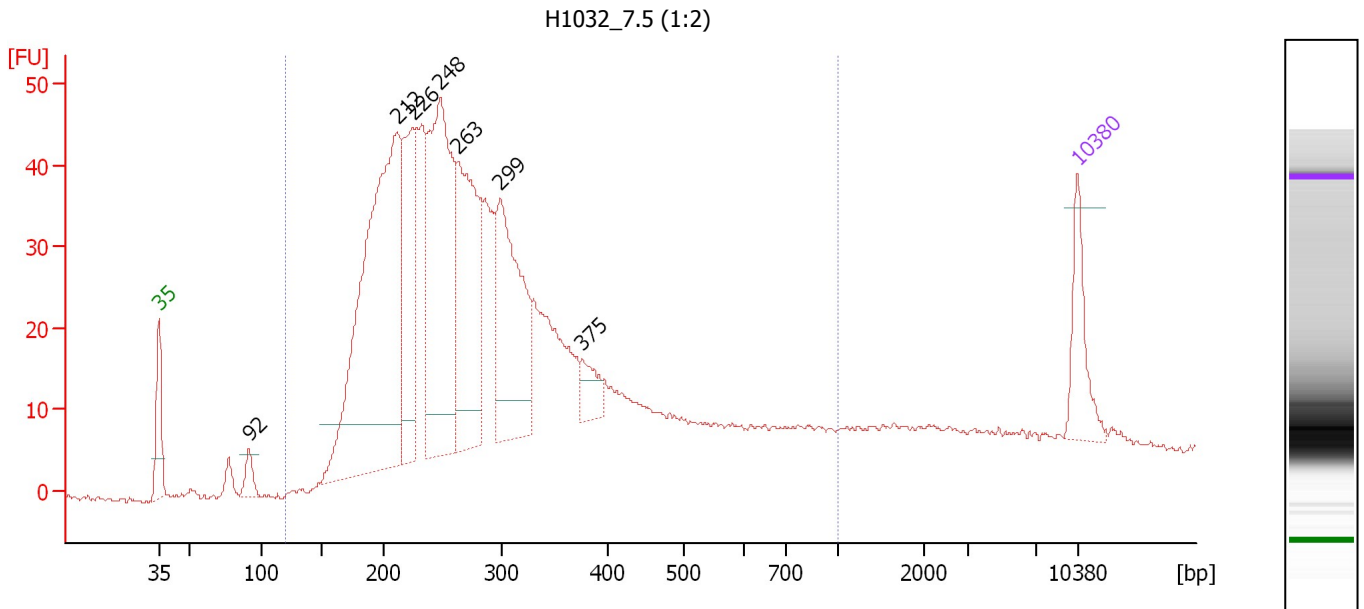
Region table for sample 10 : H1032P (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
146	1,000	357	794.2	13,655.9	2,675.33	90	43.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
 Modified: 9/25/2017 4:34:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : H1032_7.5 (1:2)

Number of peaks found: 7 Corr. Area 1: 1,009.3
 Noise: 0.4

Peak table for sample 11 : H1032_7.5 (1:2)

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	92	35.70	588.7		49.90
3	212	912.60	6,520.6		61.17
4	226	288.41	1,935.7		62.40
5	248	548.51	3,345.7		64.45
6	263	380.75	2,192.3		65.78
7	299	341.18	1,729.1		69.01
8	375	47.76	192.8		75.24
9	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : H1032_7.5 (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
120	1,000	314	1,009.3	22,980.2	3,995.03	91	44.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-25\2017-09-25_001.xad

Created: 9/25/2017 3:47:19 PM
Modified: 9/25/2017 4:34:02 PM

Gel Image

