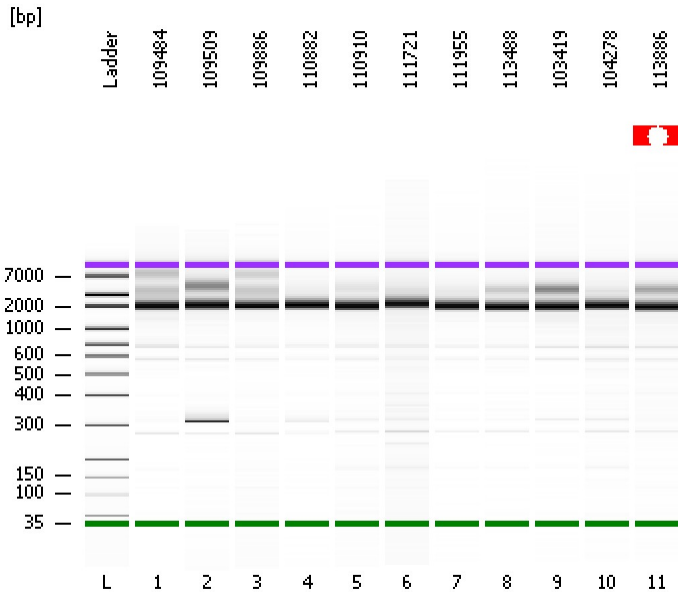


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 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

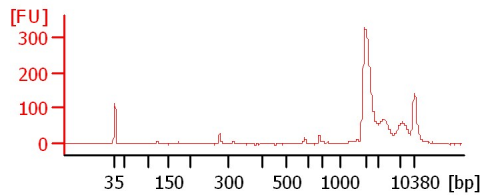
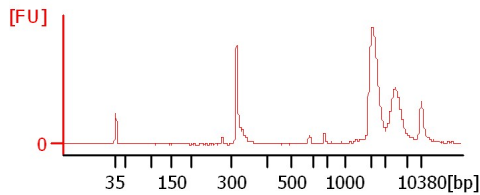
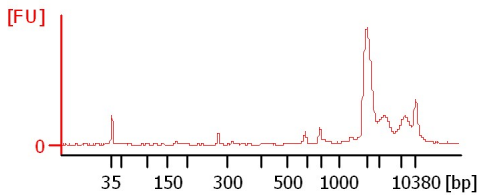
Chip Information:

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

109484

109509

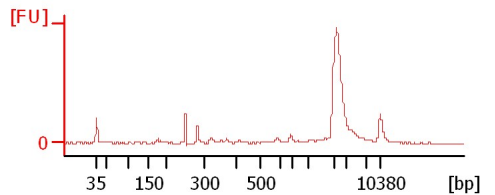
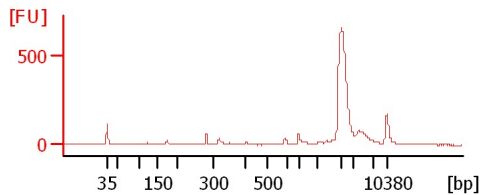
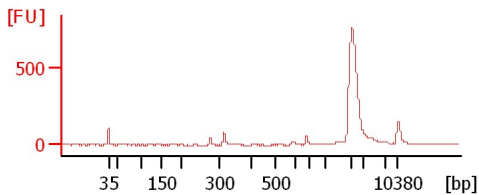
109886



110882

110910

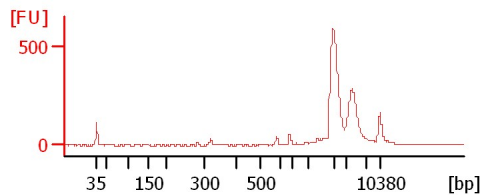
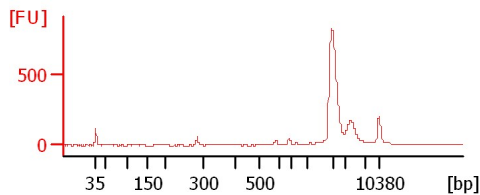
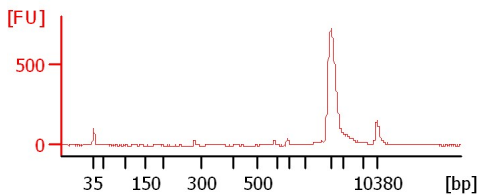
111721



111955

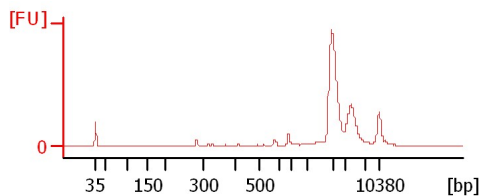
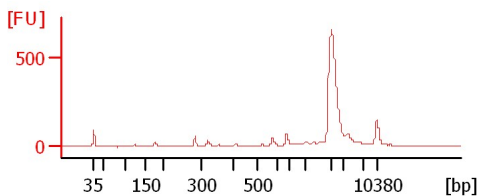
113488

103419



104278

113886



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
109484		<input type="checkbox"/>	✓			
109509		<input type="checkbox"/>	✓			
109886		<input type="checkbox"/>	✓			
110882		<input type="checkbox"/>	✓			
110910		<input type="checkbox"/>	✓			
111721		<input type="checkbox"/>	✓			
111955		<input type="checkbox"/>	✓			
113488		<input type="checkbox"/>	✓			
103419		<input type="checkbox"/>	✓			
104278		<input type="checkbox"/>	✓			
113886		<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\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

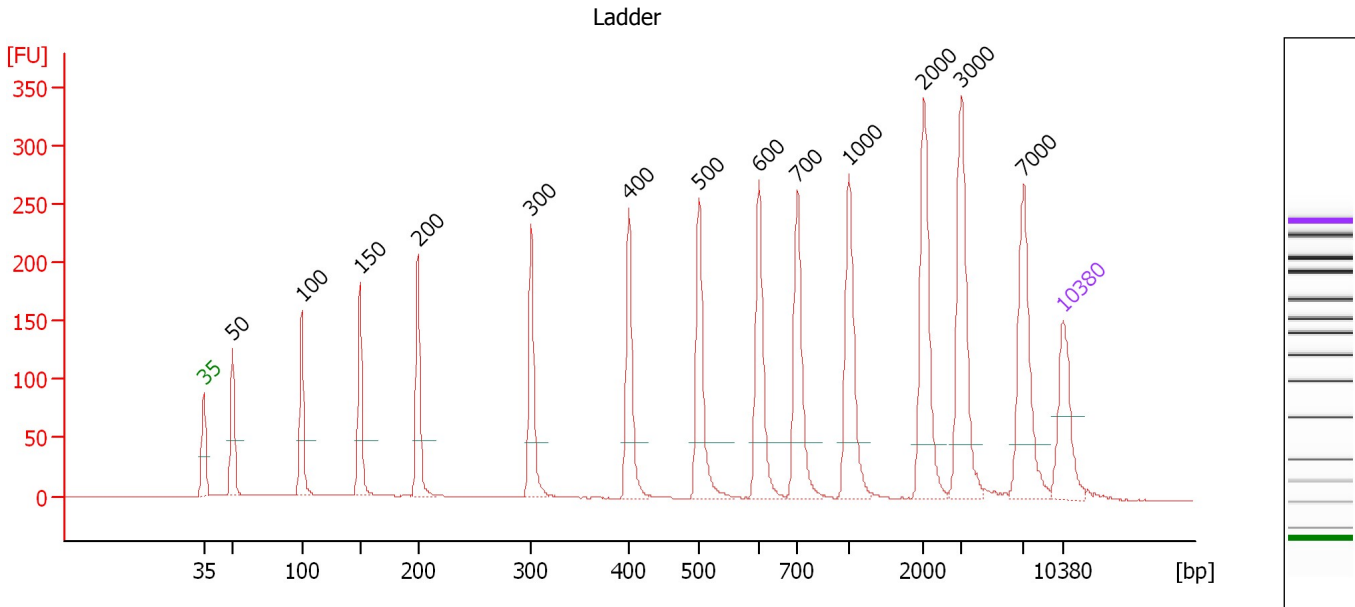
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

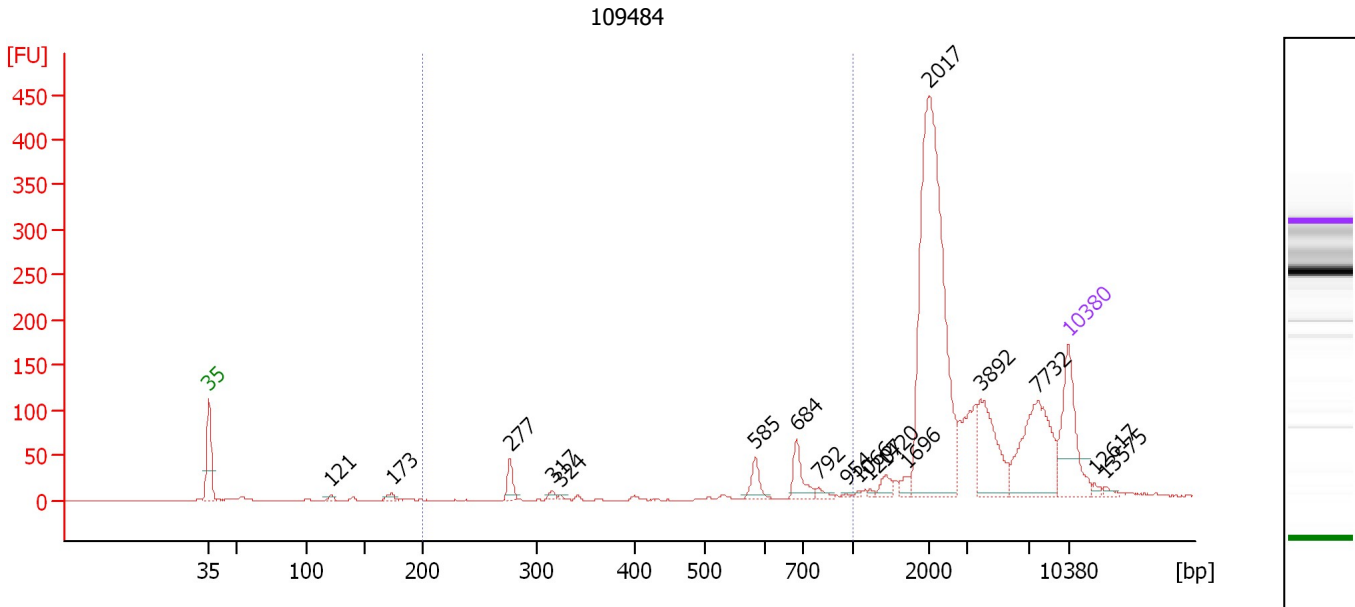
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.69
5	200	150.00	1,136.4	Ladder Peak	60.42
6	300	150.00	757.6	Ladder Peak	69.64
7	400	150.00	568.2	Ladder Peak	77.63
8	500	150.00	454.5	Ladder Peak	83.32
9	600	150.00	378.8	Ladder Peak	88.23
10	700	150.00	324.7	Ladder Peak	91.36
11	1,000	150.00	227.3	Ladder Peak	95.53
12	2,000	150.00	113.6	Ladder Peak	101.66
13	3,000	150.00	75.8	Ladder Peak	104.70
14	7,000	150.00	32.5	Ladder Peak	109.78
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 109484

Number of peaks found: 18 Corr. Area 1: 148.8
 Noise: 0.2

Peak table for sample 1 : 109484

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	121	4.76	59.4		52.99
3	173	7.56	66.1		57.89
4	277	21.63	118.2		67.53
5	317	5.10	24.4		70.97
6	324	1.94	9.1		71.57
7	585	18.98	49.1		87.51
8	684	30.05	66.6		90.85
9	792	5.88	11.3		92.63
10	954	1.44	2.3		94.89
11	1,066	2.21	3.1		95.93
12	1,207	2.60	3.3		96.80
13	1,420	11.30	12.1		98.11
14	1,696	7.83	7.0		99.80
15	2,017	385.22	289.4		101.71
16	3,892	73.61	28.7		105.83
17	7,732	108.70	21.3		110.48
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,617	0.00	0.0		115.13
20	13,575	0.00	0.0		116.04

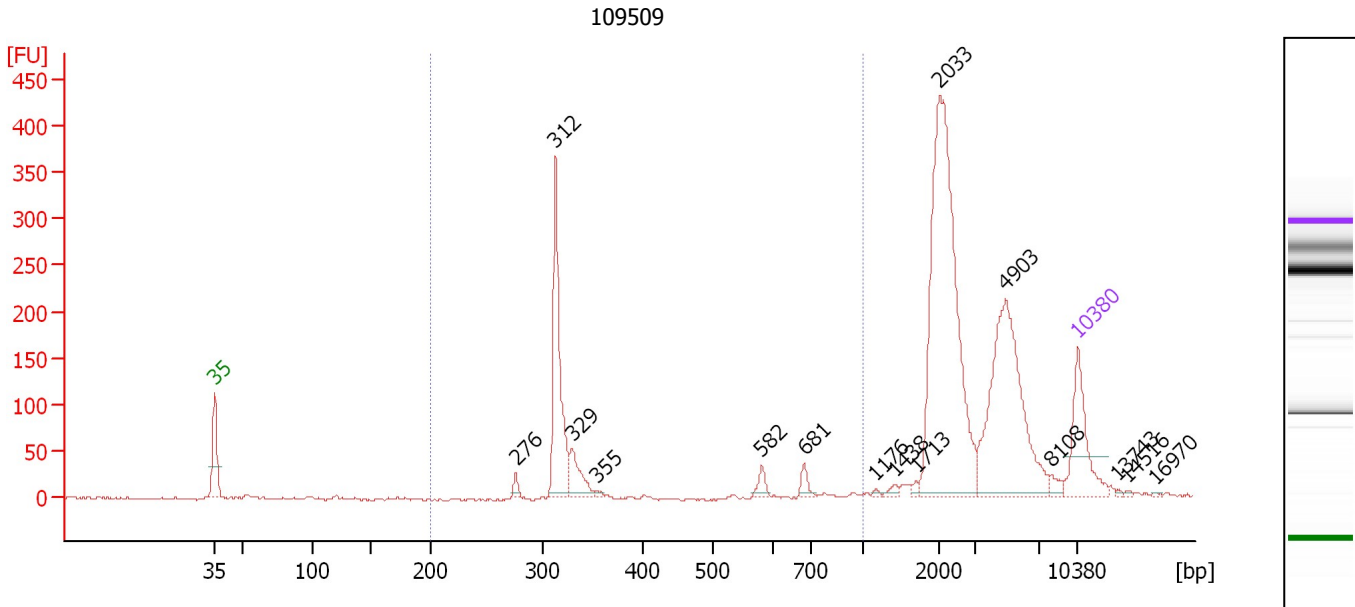
Region table for sample 1 : 109484

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	589	77.19	148.8	250.7	8	30.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 109509

Number of peaks found: 15 Corr. Area 1: 475.3
 Noise: 1.1

Peak table for sample 2 : 109509

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	276	10.70	58.7		67.43
3	312	214.90	1,042.2		70.63
4	329	49.04	225.7		71.97
5	355	4.21	18.0		74.00
6	582	13.42	34.9		87.36
7	681	13.43	29.9		90.78
8	1,176	2.50	3.2		96.61
9	1,438	5.80	6.1		98.21
10	1,713	3.82	3.4		99.90
11	2,033	434.28	323.7		101.76
12	4,903	256.42	79.2		107.12
13	8,108	8.45	1.6		110.84
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,743	0.00	0.0		116.20
16	14,516	0.00	0.0		116.93
17	16,970	0.00	0.0		119.27

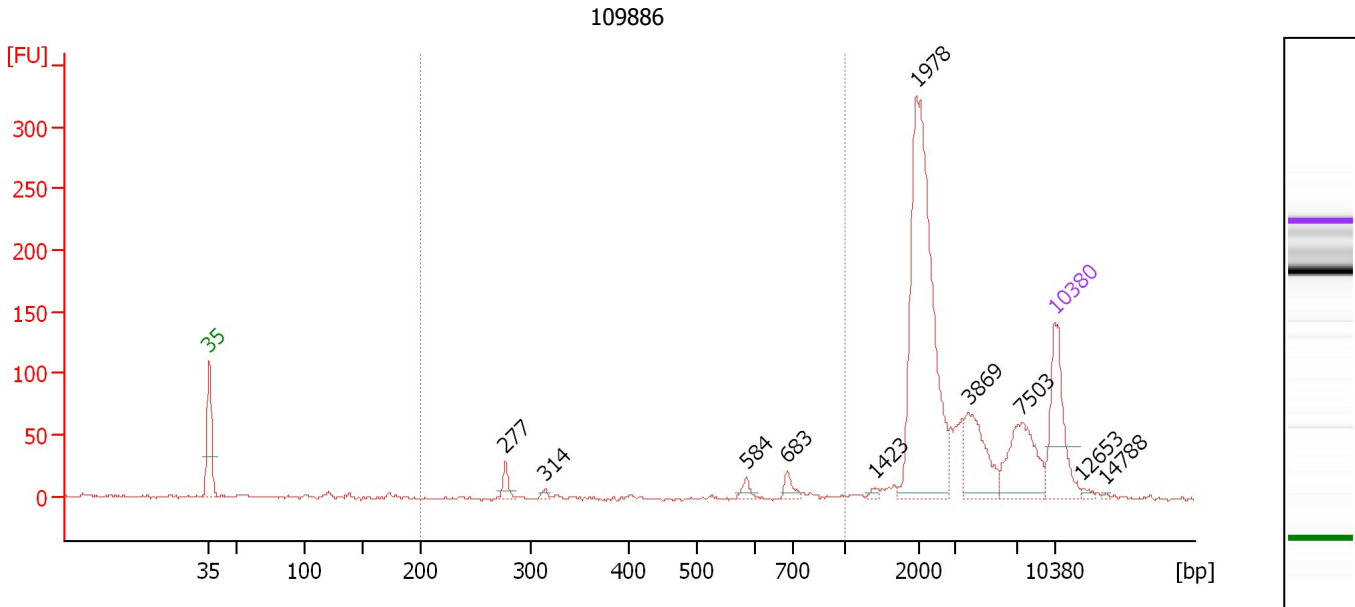
Region table for sample 2 : 109509

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	356	293.84	475.3	1,345.9	22	30.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 109886

Number of peaks found: 10 Corr. Area 1: 73.2
 Noise: 0.9

Peak table for sample 3 : 109886

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	277	17.17	94.0		67.50
3	314	3.96	19.1		70.76
4	584	8.40	21.8		87.45
5	683	12.17	27.0		90.84
6	1,423	3.47	3.7		98.13
7	1,978	323.79	248.0		101.52
8	3,869	67.30	26.4		105.81
9	7,503	75.66	15.3		110.26
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,653	0.00	0.0		115.16
12	14,788	0.00	0.0		117.19

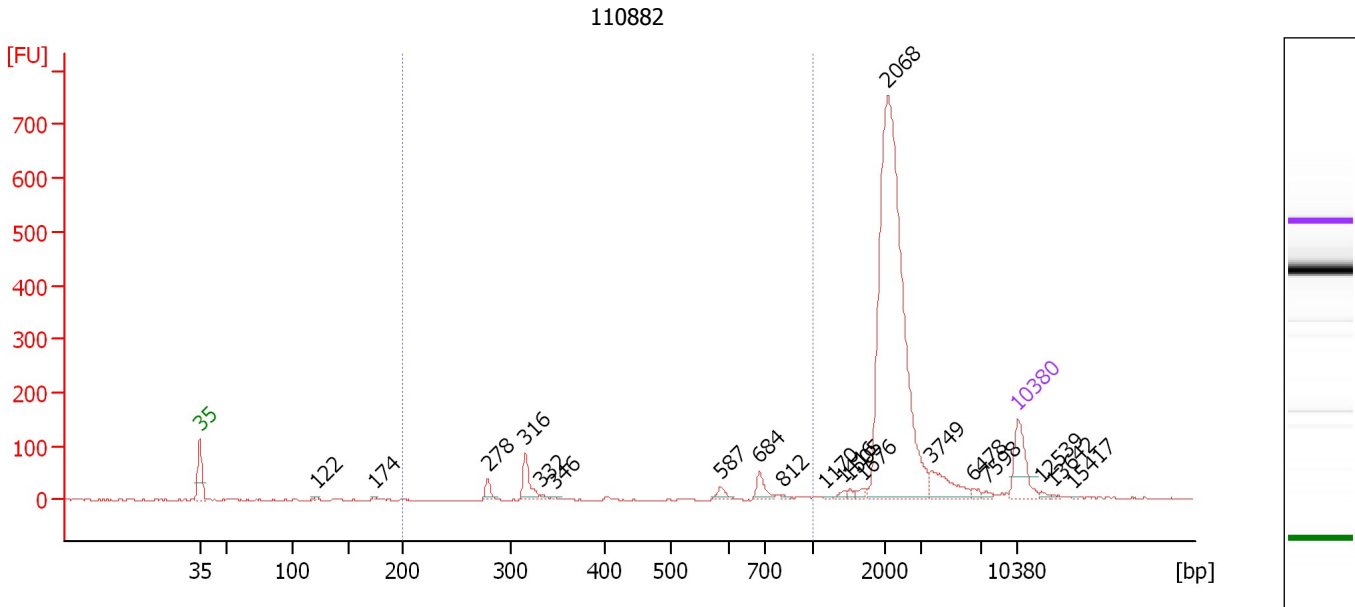
Region table for sample 3 : 109886

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	546	47.64	73.2	174.2	6	37.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 110882

Number of peaks found: 20 Corr. Area 1: 207.2
 Noise: 0.9

Peak table for sample 4 : 110882

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	122	4.86	60.6		52.99
3	174	4.10	35.7		57.97
4	278	23.91	130.2		67.64
5	316	62.30	299.1		70.88
6	332	5.45	24.9		72.16
7	346	3.66	16.0		73.35
8	587	14.44	37.3		87.58
9	684	30.33	67.2		90.87
10	812	2.81	5.2		92.92
11	1,170	2.47	3.2		96.57
12	1,416	6.74	7.2		98.08
13	1,505	5.15	5.2		98.63
14	1,676	7.29	6.6		99.68
15	2,068	883.73	647.5		101.87
16	3,749	61.00	24.7		105.65
17	6,478	6.80	1.6		109.12
18	7,598	5.79	1.2		110.35
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,539	0.00	0.0		115.05
21	13,642	0.00	0.0		116.10
22	15,417	0.00	0.0		117.79

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...

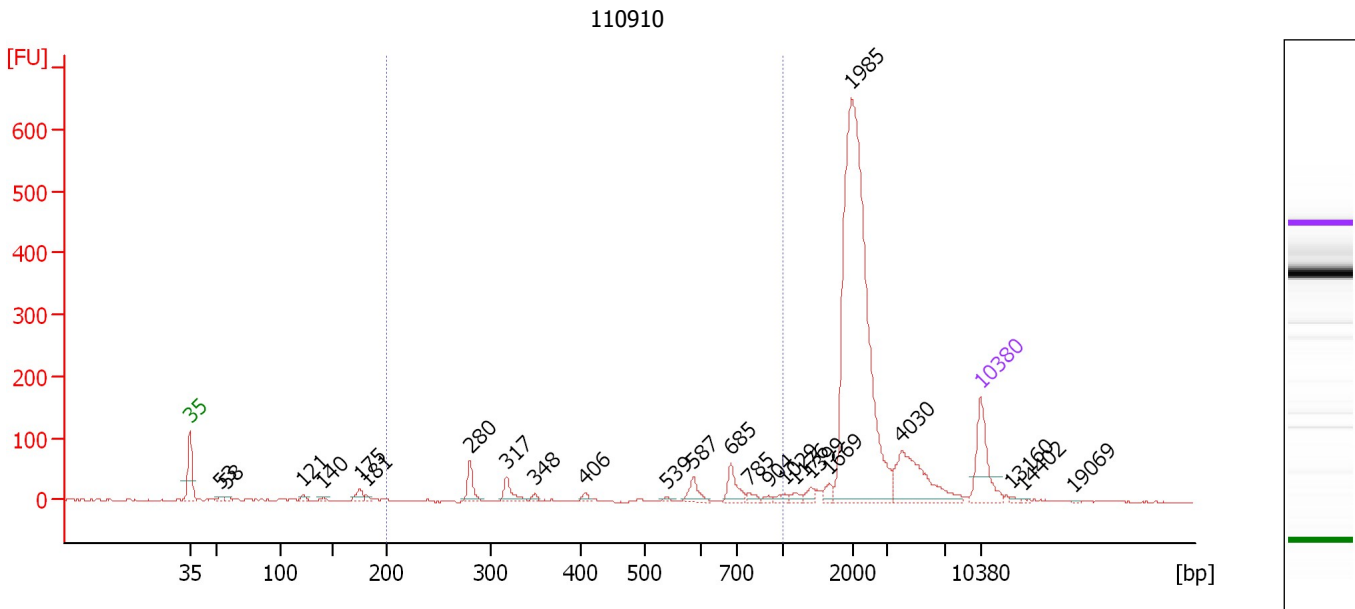
... Region table for sample 4 : 110882

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	492	147.03	207.2	576.0	9	41.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 110910

Number of peaks found: 24 Corr. Area 1: 269.0
 Noise: 1.3

Peak table for sample 5 : 110910

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	53	7.82	221.6		45.69
3	58	7.90	206.2		46.21
4	121	8.77	109.6		52.97
5	140	4.82	52.1		54.76
6	175	19.95	173.1		58.02
7	181	5.82	48.8		58.59
8	280	39.24	212.3		67.80
9	317	32.97	157.5		71.01
10	348	6.66	29.0		73.51
11	406	7.47	27.8		78.00
12	539	4.18	11.8		85.23
13	587	26.25	67.8		87.59
14	685	36.48	80.7		90.89
15	785	9.30	17.9		92.55
16	904	4.75	8.0		94.20
17	1,029	8.24	12.1		95.71
18	1,176	8.73	11.3		96.61
19	1,399	10.22	11.1		97.98
20	1,669	12.90	11.7		99.63
21	1,985	711.81	543.2		101.57
22	4,030	116.32	43.7		106.01
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,160	0.00	0.0		115.65
25	14,402	0.00	0.0		116.83

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : 110910**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	19,069	0.00	0.0		121.27

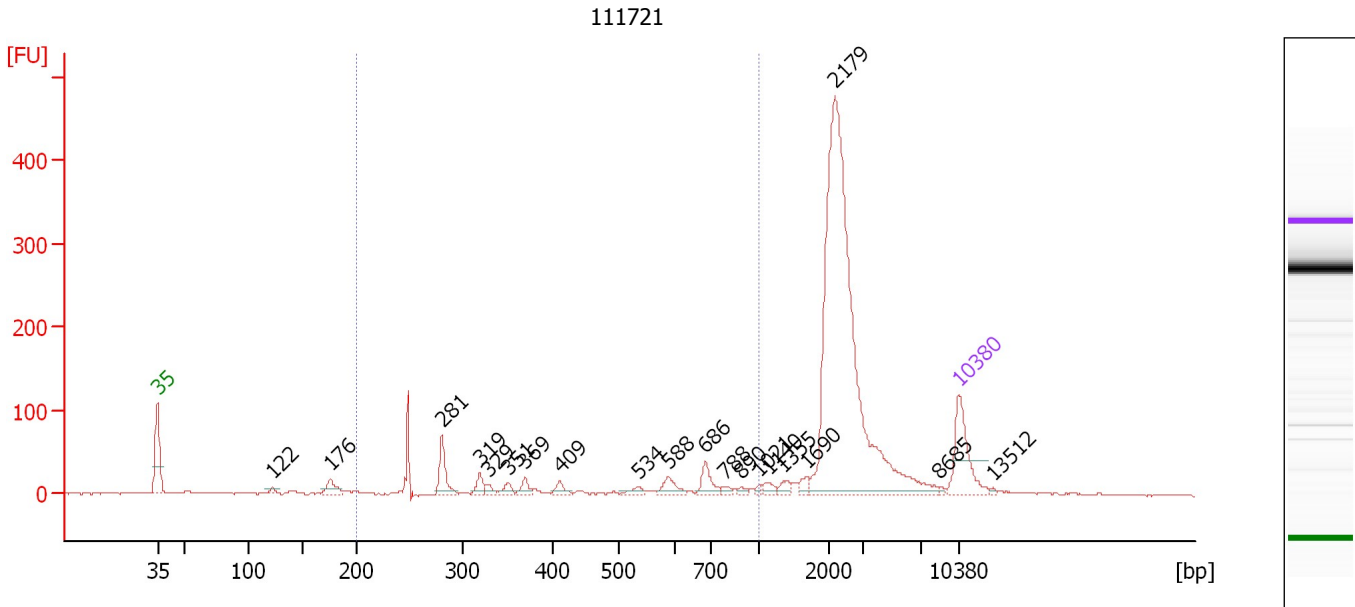
Region table for sample 5 : 110910

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	544	166.66	269.0	597.9	 12	38.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 111721

Number of peaks found: 20 Corr. Area 1: 346.8
 Noise: 1.2

Peak table for sample 6 : 111721


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	122	9.01	111.6		53.06
3	176	28.67	246.9		58.14
4	281	53.53	288.9		67.86
5	319	18.89	89.6		71.19
6	329	8.89	41.0		71.92
7	351	12.07	52.2		73.68
8	369	15.40	63.3		75.14
9	409	12.89	47.7		78.17
10	534	10.06	28.5		85.01
11	588	22.22	57.3		87.65
12	686	29.45	65.1		90.92
13	788	6.22	12.0		92.58
14	890	5.32	9.1		94.00
15	1,021	4.25	6.3		95.66
16	1,140	10.01	13.3		96.39
17	1,355	10.94	12.2		97.71
18	1,690	10.61	9.5		99.76
19	2,179	717.17	498.6		102.20
20	8,685	2.81	0.5		111.39
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,512	0.00	0.0		115.98

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...

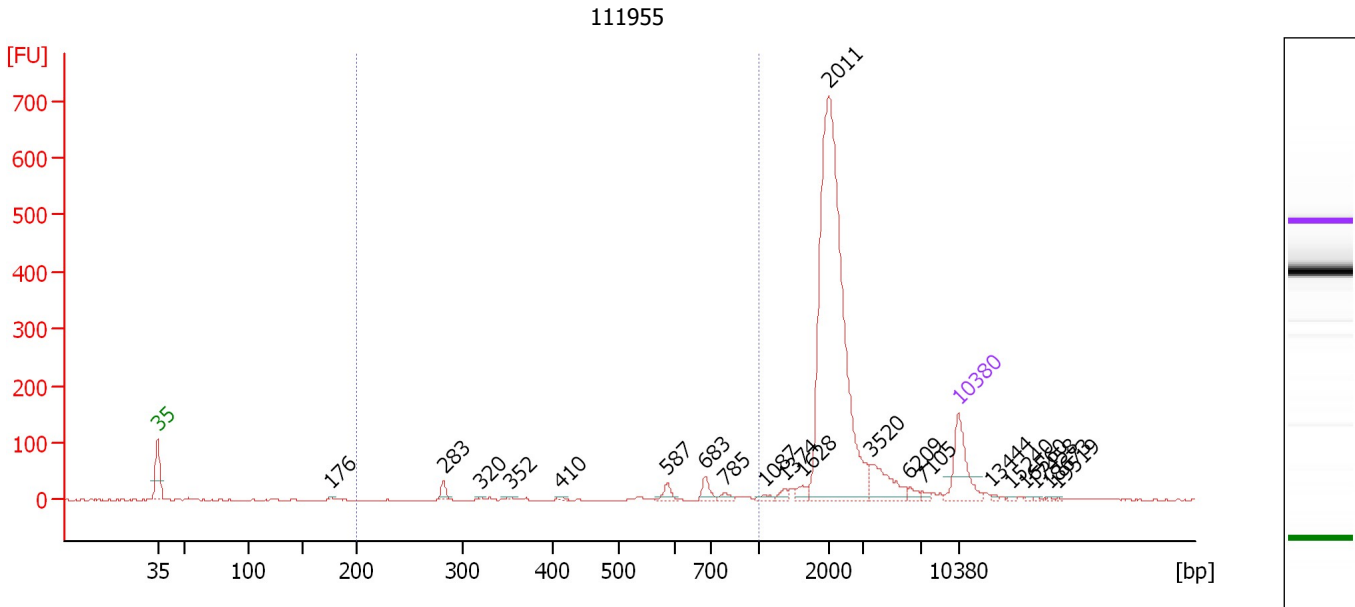
... Region table for sample 6 : 111721

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	471	263.38	346.8	1,095.4	 19	43.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 111955

Number of peaks found: 21 Corr. Area 1: 165.7
 Noise: 1.0

Peak table for sample 7 : 111955

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	176	3.46	29.7		58.18
3	283	18.43	98.8		68.03
4	320	2.85	13.5		71.24
5	352	3.01	12.9		73.80
6	410	3.16	11.7		78.23
7	587	15.11	39.0		87.57
8	683	20.46	45.4		90.84
9	785	8.08	15.6		92.55
10	1,087	6.13	8.5		96.07
11	1,374	9.01	9.9		97.82
12	1,628	12.84	11.9		99.38
13	2,011	745.62	561.7		101.69
14	3,520	59.61	25.7		105.36
15	6,209	9.36	2.3		108.78
16	7,105	5.44	1.2		109.88
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,444	0.00	0.0		115.91
19	15,240	0.00	0.0		117.62
20	16,560	0.00	0.0		118.88
21	17,458	0.00	0.0		119.73
22	18,673	0.00	0.0		120.89
23	19,519	0.00	0.0		121.69

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...

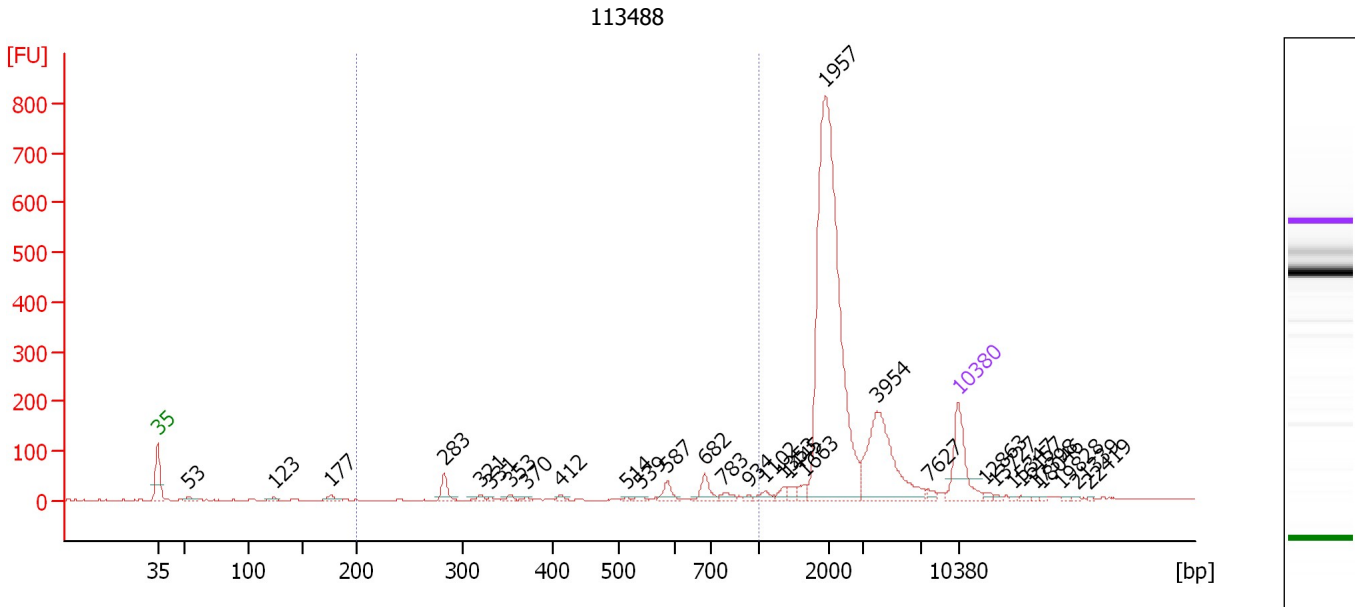
... Region table for sample 7 : 111955

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	579	100.69	165.7	330.3	8	33.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 113488

Number of peaks found: 31 Corr. Area 1: 247.5
 Noise: 1.3

Peak table for sample 8 : 113488

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	53	9.32	267.4		45.62
3	123	5.48	67.3		53.17
4	177	10.79	92.6		58.20
5	283	27.92	149.5		68.06
6	321	7.00	33.1		71.30
7	331	2.86	13.1		72.12
8	353	5.72	24.6		73.87
9	370	3.07	12.5		75.25
10	412	4.75	17.4		78.33
11	514	2.02	6.0		84.03
12	539	4.60	12.9		85.22
13	587	18.17	46.9		87.58
14	682	25.28	56.1		90.81
15	783	8.98	17.4		92.51
16	934	3.48	5.6		94.61
17	1,102	9.78	13.4		96.15
18	1,353	8.02	9.0		97.70
19	1,445	9.54	10.0		98.26
20	1,663	10.59	9.6		99.60
21	1,957	668.79	517.9		101.39
22	3,954	177.46	68.0		105.91
23	7,627	6.03	1.2		110.38
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,863	0.00	0.0		115.36

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad


Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : 113488

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,727	0.00	0.0		116.18
27	15,347	0.00	0.0		117.72
28	16,157	0.00	0.0		118.50
29	17,398	0.00	0.0		119.68
30	18,046	0.00	0.0		120.29
31	19,828	0.00	0.0		121.99
32	21,339	0.00	0.0		123.43
33	22,419	0.00	0.0		124.45

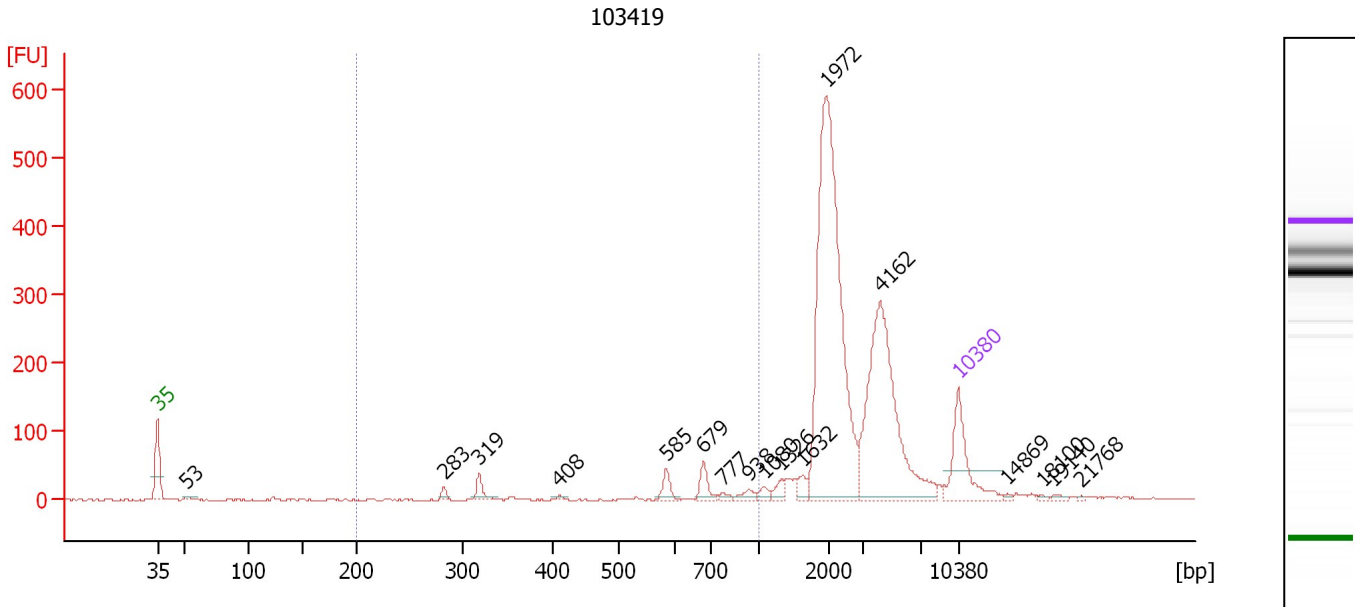
Region table for sample 8 : 113488

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	565	125.86	247.5	424.5	 9	35.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 103419

Number of peaks found: 17 Corr. Area 1: 182.1
 Noise: 1.0

Peak table for sample 9 : 103419

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	53	5.79	166.5		45.60
3	283	8.37	44.8		68.05
4	319	20.16	95.9		71.13
5	408	2.70	10.0		78.10
6	585	18.11	46.9		87.48
7	679	23.92	53.4		90.71
8	777	5.54	10.8		92.43
9	938	9.51	15.4		94.67
10	1,080	8.06	11.3		96.02
11	1,326	11.36	13.0		97.53
12	1,632	13.44	12.5		99.41
13	1,972	516.40	396.7		101.49
14	4,162	305.23	111.1		106.18
15	10,380	75.00	10.9	Upper Marker	113.00
16	14,869	0.00	0.0		117.27
17	18,100	0.00	0.0		120.34
18	19,140	0.00	0.0		121.33
19	21,768	0.00	0.0		123.83

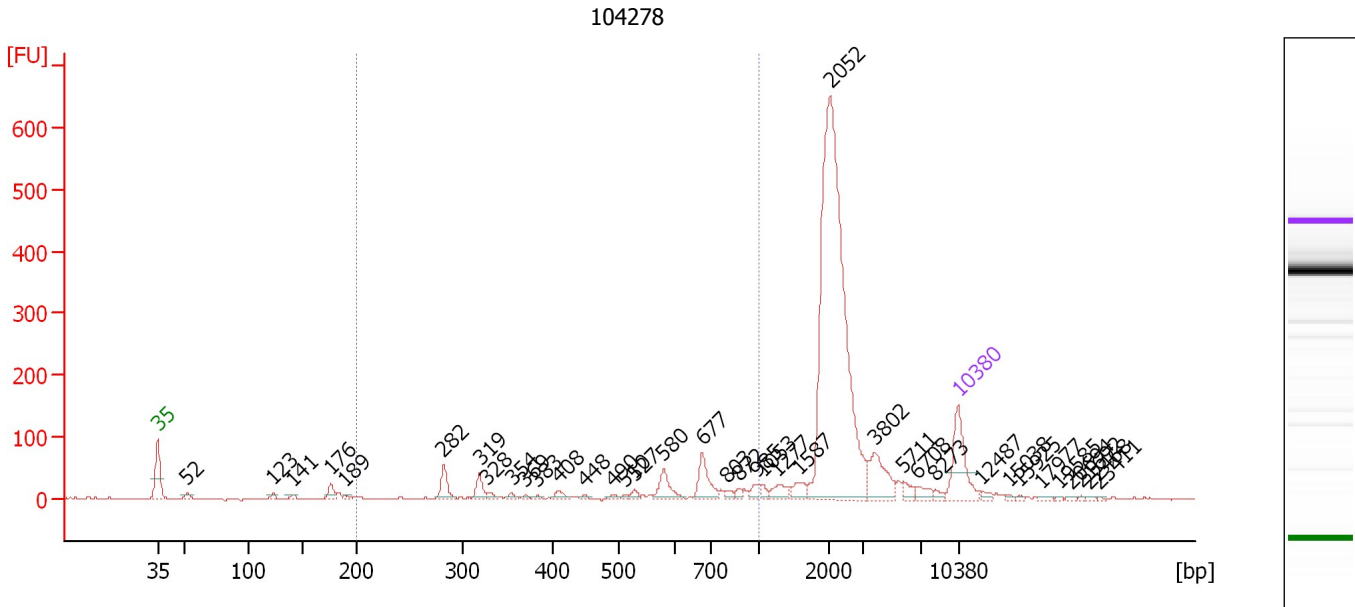
Region table for sample 9 : 103419

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	598	93.28	182.1	295.0	7	33.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 104278

Number of peaks found: 38 Corr. Area 1: 411.5
 Noise: 1.5

Peak table for sample 10 : 104278

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	52	8.95	258.3		45.58
3	123	7.15	88.1		53.13
4	141	5.63	60.4		54.87
5	176	19.04	164.0		58.14
6	189	4.12	33.1		59.35
7	282	40.02	214.8		68.00
8	319	27.25	129.4		71.17
9	328	6.95	32.1		71.85
10	354	6.28	26.8		73.96
11	369	3.52	14.5		75.18
12	383	4.18	16.6		76.23
13	408	11.12	41.3		78.08
14	448	3.48	11.8		80.35
15	490	5.08	15.7		82.77
16	510	3.93	11.7		83.83
17	527	7.91	22.7		84.67
18	580	36.71	95.9		87.26
19	677	51.69	115.7		90.63
20	803	8.17	15.4		92.80
21	872	6.80	11.8		93.75
22	985	11.49	17.7		95.33
23	1,053	8.89	12.8		95.86
24	1,277	18.96	22.5		97.23
25	1,587	19.27	18.4		99.13

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : 104278

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,052	714.77	527.8		101.82
27	3,802	61.14	24.4		105.72
28	5,711	12.75	3.4		108.15
29	6,708	12.69	2.9		109.41
30	8,273	6.08	1.1		111.00
31	10,380	75.00	10.9	Upper Marker	113.00
32	12,487	0.00	0.0		115.00
33	15,038	0.00	0.0		117.43
34	15,925	0.00	0.0		118.28
35	17,977	0.00	0.0		120.23
36	19,585	0.00	0.0		121.76
37	20,694	0.00	0.0		122.81
38	21,692	0.00	0.0		123.76
39	22,468	0.00	0.0		124.50
40	23,411	0.00	0.0		125.40

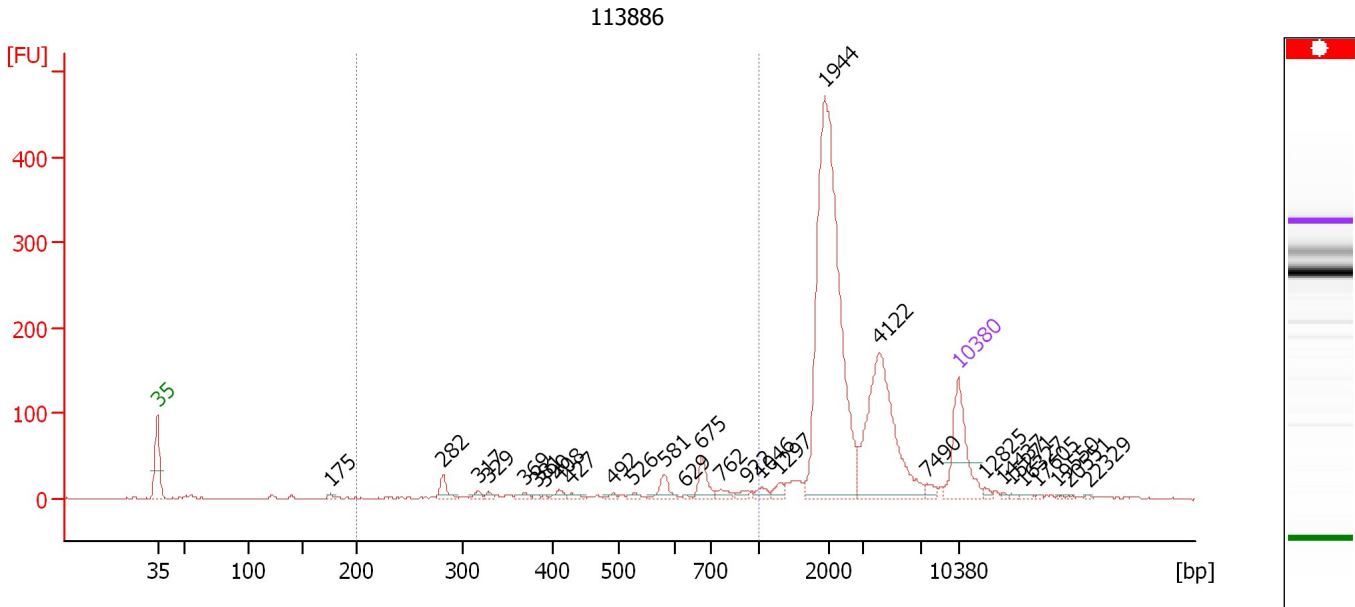
Region table for sample 10 : 104278

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	560	269.43	411.5	923.0	18	36.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 113886

Number of peaks found: 29 Corr. Area 1: 272.3
 Noise: 0.7

Peak table for sample 11 : 113886

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	175	4.67	40.4		58.07
3	282	21.29	114.5		67.95
4	317	7.27	34.7		71.02
5	329	5.18	23.9		71.92
6	369	6.57	27.0		75.15
7	381	2.98	11.9		76.10
8	390	2.05	8.0		76.84
9	408	8.10	30.0		78.11
10	427	6.51	23.1		79.16
11	492	4.64	14.3		82.86
12	526	4.60	13.3		84.61
13	581	19.79	51.6		87.31
14	629	2.27	5.5		89.16
15	675	27.71	62.2		90.58
16	762	10.07	20.0		92.22
17	922	6.16	10.1		94.44
18	1,046	8.76	12.7		95.82
19	1,297	9.22	10.8		97.35
20	1,944	478.76	373.2		101.32
21	4,122	207.43	76.2		106.13
22	7,490	8.04	1.6		110.25
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,825	0.00	0.0		115.33
25	14,437	0.00	0.0		116.86

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : 113886

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	15,271	0.00	0.0		117.65
27	16,327	0.00	0.0		118.66
28	17,605	0.00	0.0		119.87
29	19,550	0.00	0.0		121.72
30	20,551	0.00	0.0		122.68
31	22,329	0.00	0.0		124.37

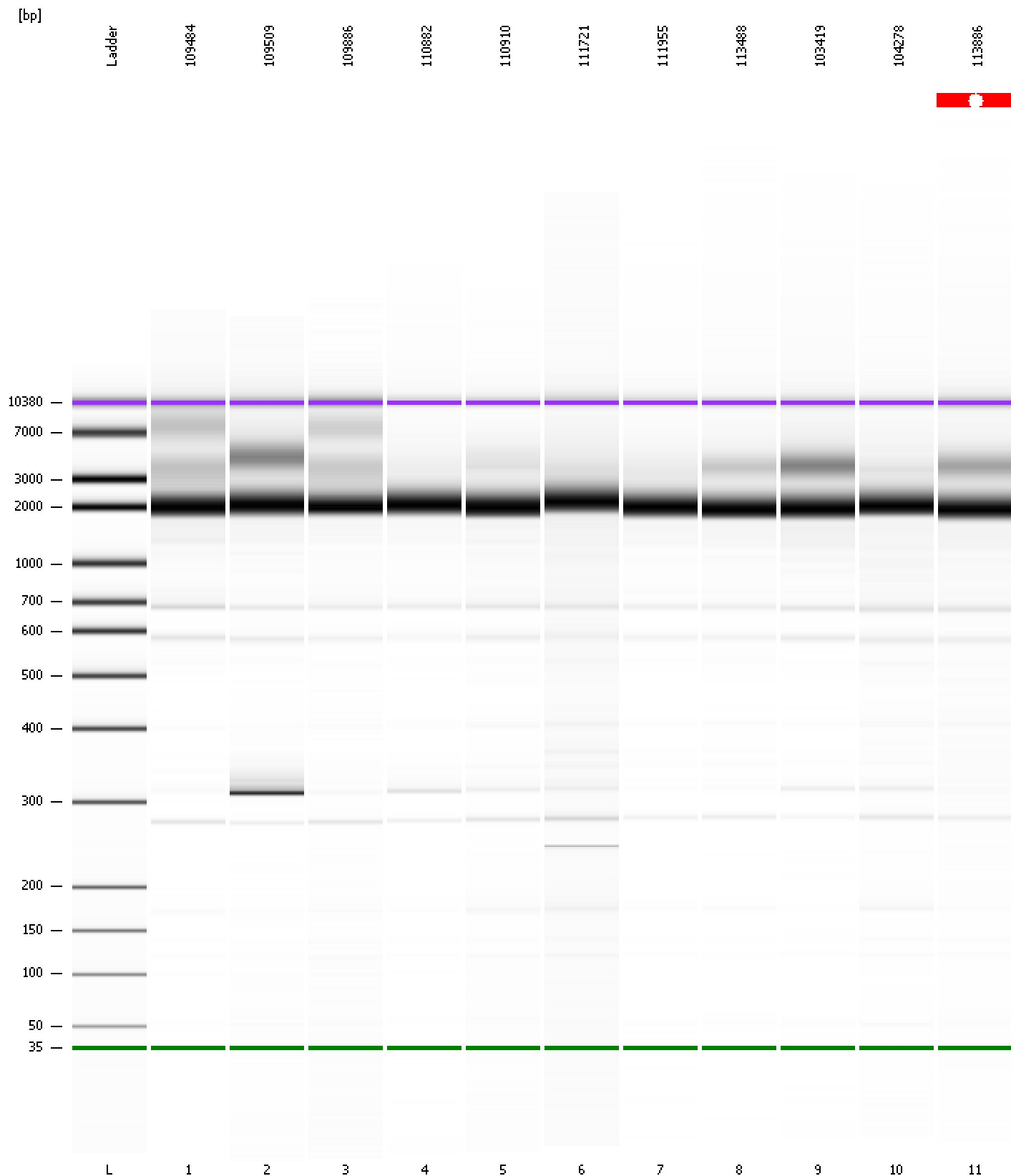
Region table for sample 11 : 113886

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	547	166.67	272.3	573.4	 14	36.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
Modified: 10/30/2019 4:37:48 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad

Created: 10/30/2019 3:57:26 PM
 Modified: 10/30/2019 4:37:48 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/30/2019 4:37:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-30\2019-10-30_004.xad)		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/30/2019 3:57:27 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1