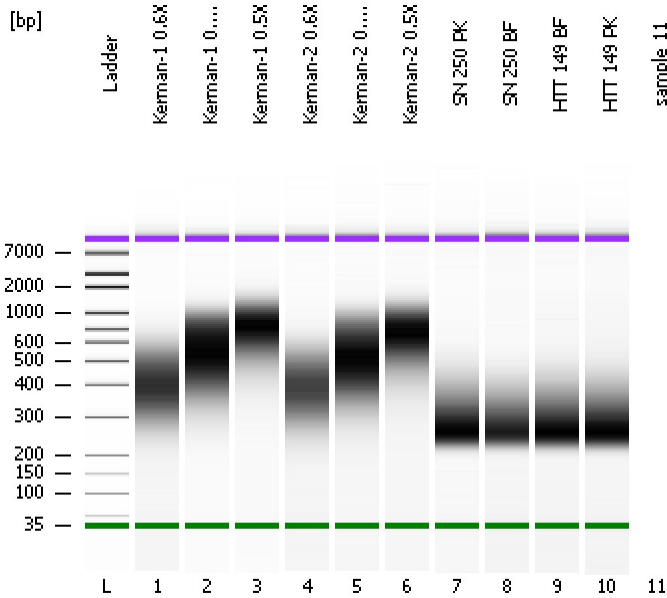


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
Modified: 11/10/2014 5:08:41 PM

Electrophoresis File Run Summary



Instrument Information:

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

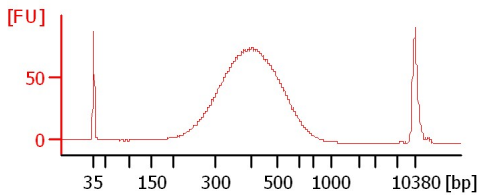
Assay Information:

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

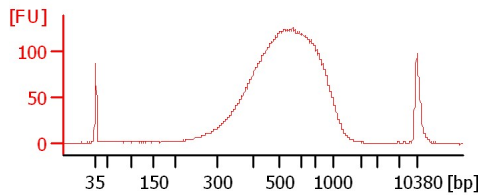
Chip Information:

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

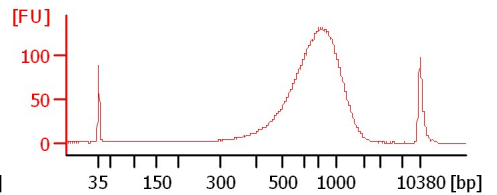
Kerman-1 0.6X



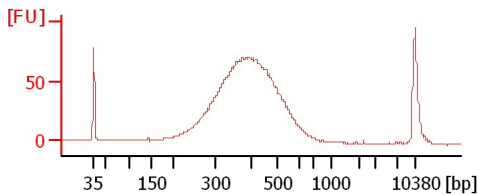
Kerman-1 0.55X



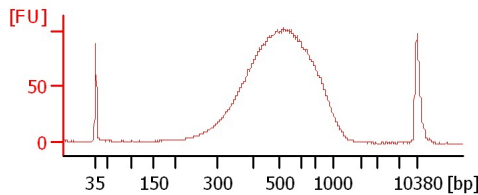
Kerman-1 0.5X



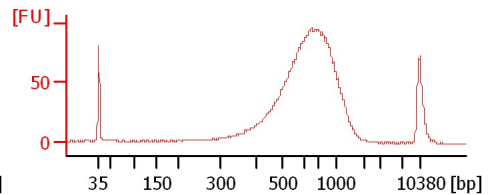
Kerman-2 0.6X



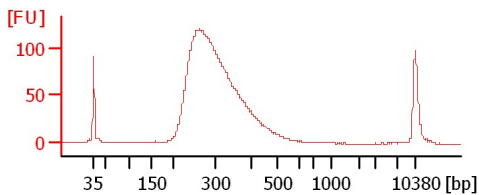
Kerman-2 0.55X



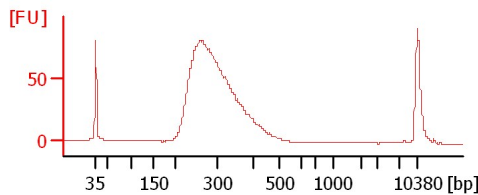
Kerman-2 0.5X



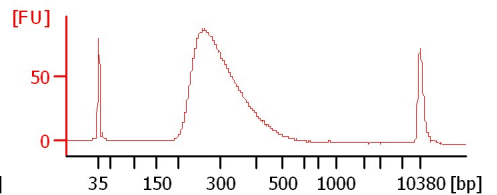
SN 250 PK



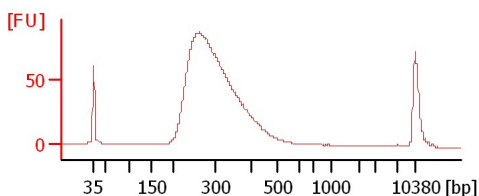
SN 250 BF



HTT 149 BF



HTT 149 PK



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
Modified: 11/10/2014 5:08:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Kerman-1 0.6X		<input type="checkbox"/>	✓			
Kerman-1 0.55X		<input type="checkbox"/>	✓			
Kerman-1 0.5X		<input type="checkbox"/>	✓			
Kerman-2 0.6X		<input type="checkbox"/>	✓			
Kerman-2 0.55X		<input type="checkbox"/>	✓			
Kerman-2 0.5X		<input type="checkbox"/>	✓			
SN 250 PK		<input type="checkbox"/>	✓			
SN 250 BF		<input type="checkbox"/>	✓			
HTT 149 BF		<input type="checkbox"/>	✓			
HTT 149 PK		<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:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
Modified: 11/10/2014 5:08:41 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

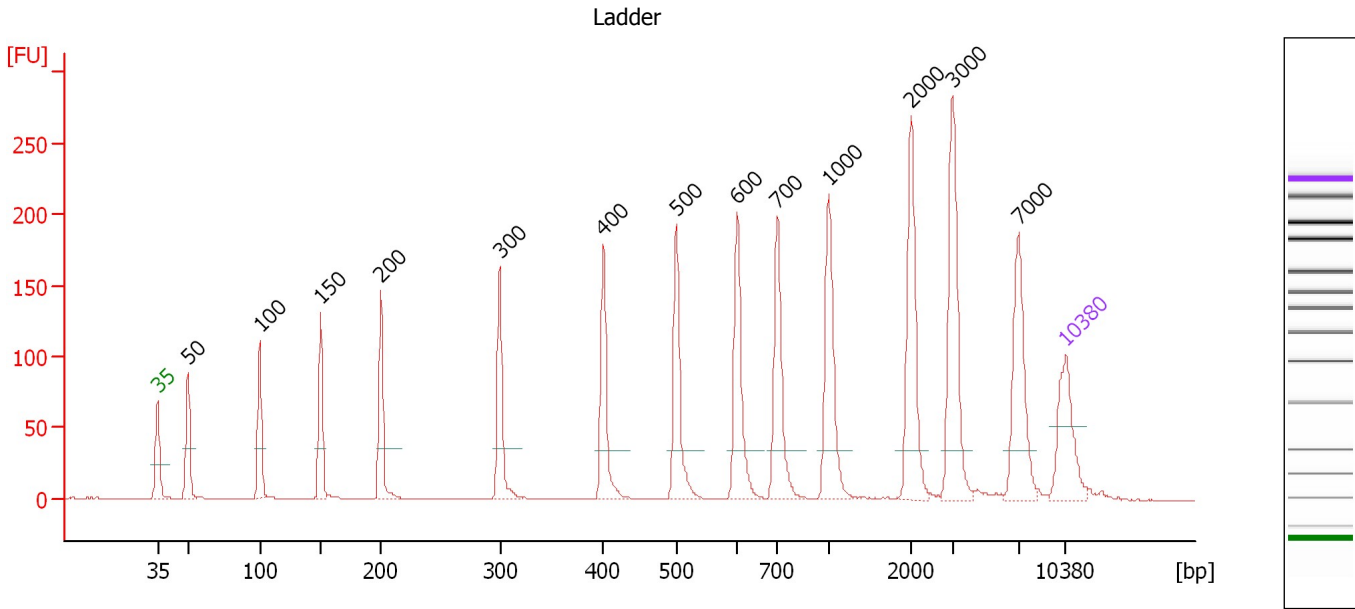
Ladder

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:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

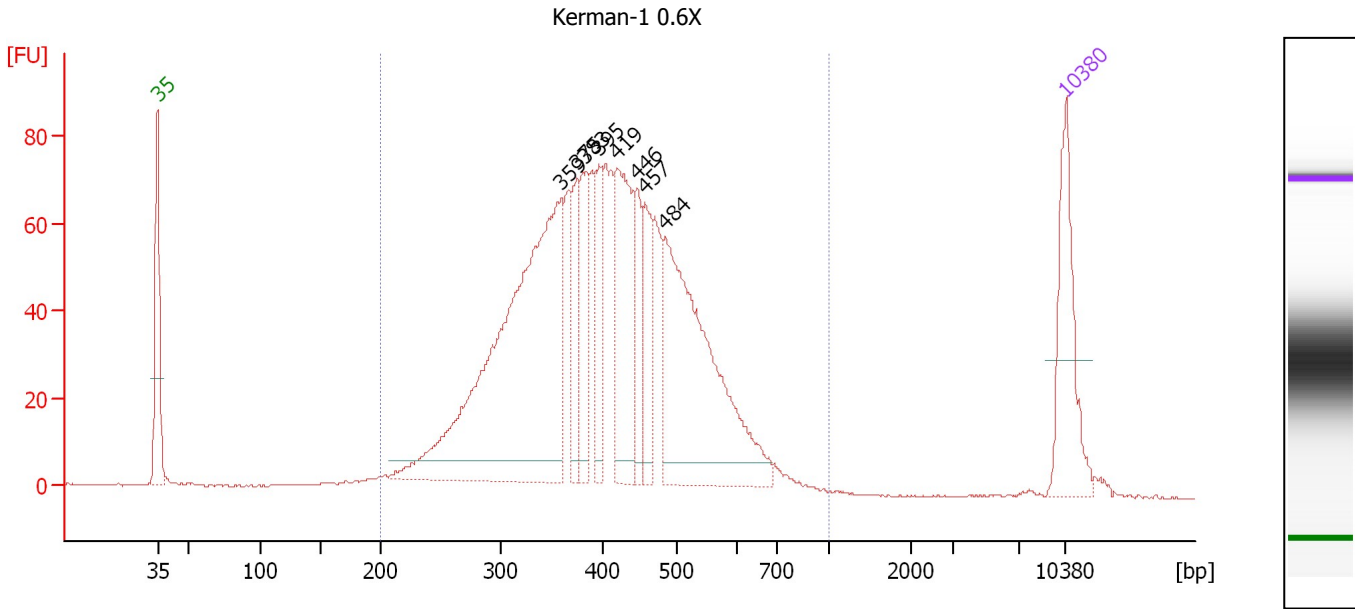
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Kerman-1 0.6X

Number of peaks found: 8 Corr. Area 1: 1,620.6
 Noise: 0.2

Peak table for sample 1 : Kerman-1 0.6X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	359	510.01	2,151.1	
3	375	59.95	242.5	
4	383	69.59	275.6	
5	395	56.06	215.0	
6	419	134.12	485.1	
7	446	52.61	178.6	
8	457	67.20	222.8	
9	484	289.28	906.2	
10	10,380	75.00	10.9	Upper Marker

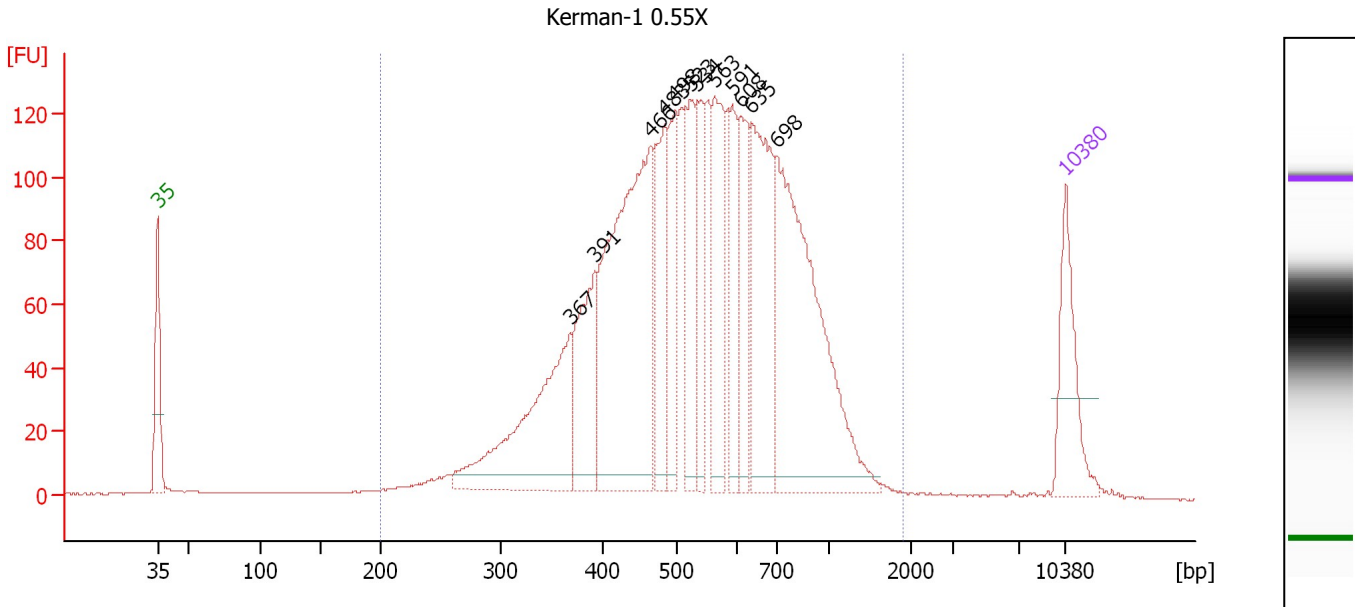
Region table for sample 1 : Kerman-1 0.6X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	412	1,000	1,620.6	97	24.3	1,631.57	6,502.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Kerman-1 0.55X

Number of peaks found: 12 Corr. Area 1: 2,842.9
 Noise: 0.2

Peak table for sample 2 : Kerman-1 0.55X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	367	260.03	1,072.5	
3	391	139.93	541.6	
4	466	440.44	1,433.2	
5	483	129.13	405.2	
6	498	103.78	316.0	
7	523	110.20	319.5	
8	534	84.53	239.6	
9	563	132.60	356.9	
10	591	92.02	235.7	
11	608	94.31	235.1	
12	635	204.34	487.9	
13	698	400.87	869.7	
14	10,380	75.00	10.9	Upper Marker

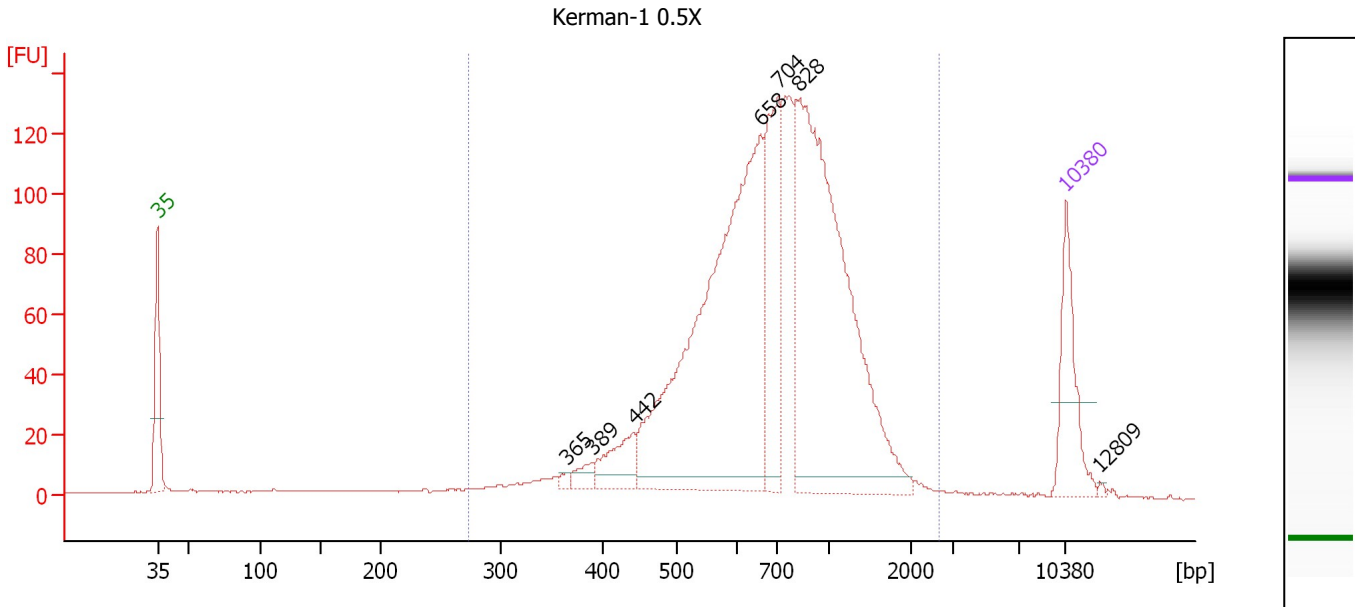
Region table for sample 2 : Kerman-1 0.55X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	571	1,905	2,842.9	98	36.0	2,519.44	7,756.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Kerman-1 0.5X

Number of peaks found: 7 Corr. Area 1: 1,923.7
 Noise: 0.2

Peak table for sample 3 : Kerman-1 0.5X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	365	5.94	24.7	
3	389	17.42	67.8	
4	442	56.06	192.4	
5	658	657.27	1,513.0	
6	704	172.73	371.5	
7	828	581.62	1,063.7	
8	10,380	75.00	10.9	Upper Marker
9	12,809	0.00	0.0	

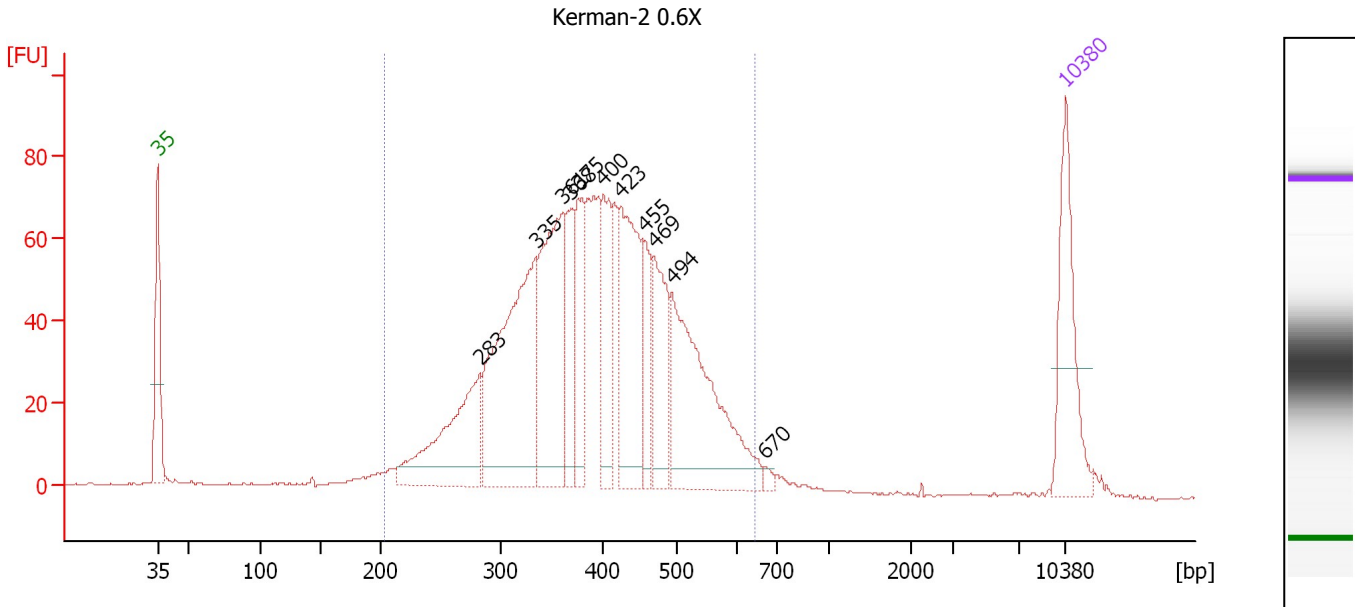
Region table for sample 3 : Kerman-1 0.5X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
273	783	2,658	1,923.7	95	40.6	1,725.11	3,966.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Kerman-2 0.6X

Number of peaks found: 11 Corr. Area 1: 1,524.2
 Noise: 0.3

Peak table for sample 4 : Kerman-2 0.6X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	283	148.24	793.4	
3	335	265.53	1,202.1	
4	361	177.06	742.9	
5	368	68.95	283.7	
6	375	74.47	300.7	
7	400	79.21	300.1	
8	423	147.32	527.3	
9	455	50.18	167.1	
10	469	82.42	266.1	
11	494	202.98	623.0	
12	670	4.28	9.7	
13	10,380	75.00	10.9	Upper Marker

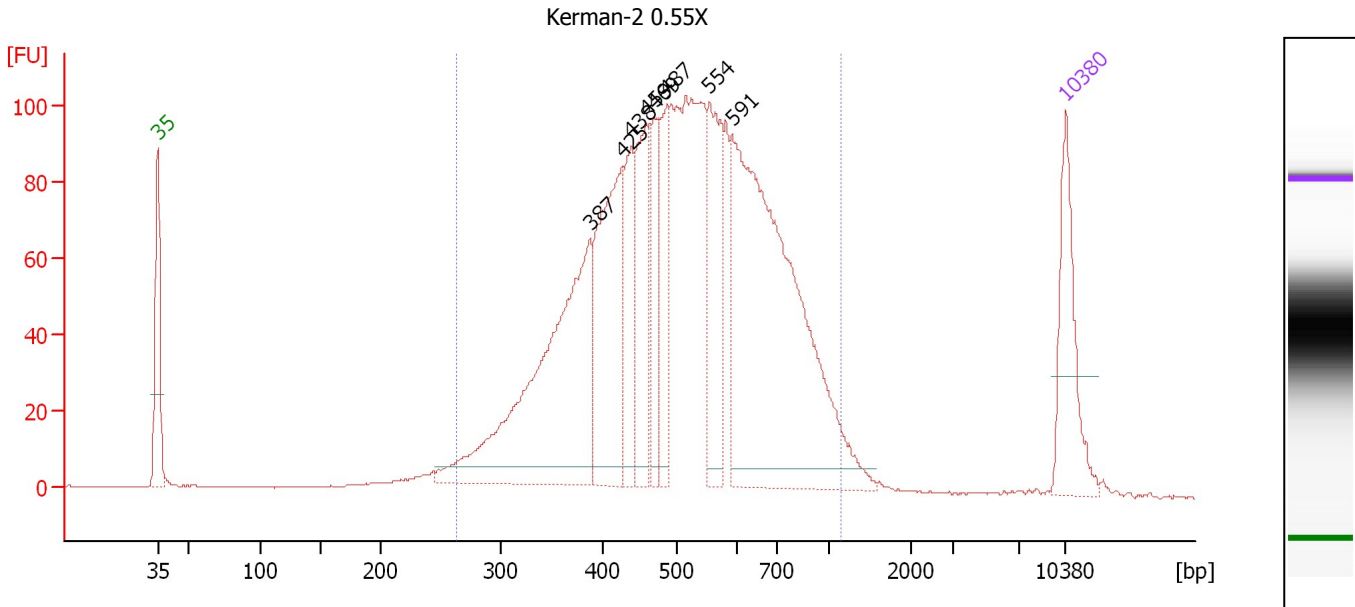
Region table for sample 4 : Kerman-2 0.6X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
204	397	642	1,524.2	93	22.0	1,520.99	6,236.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Kerman-2 0.55X

Number of peaks found: 8 Corr. Area 1: 2,252.0
 Noise: 0.2

Peak table for sample 5 : Kerman-2 0.55X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	387	366.66	1,436.5	
3	425	201.86	719.3	
4	438	85.05	294.3	
5	459	118.55	391.3	
6	469	76.75	247.8	
7	487	77.66	241.6	
8	554	126.63	346.5	
9	591	498.84	1,278.1	
10	10,380	75.00	10.9	Upper Marker

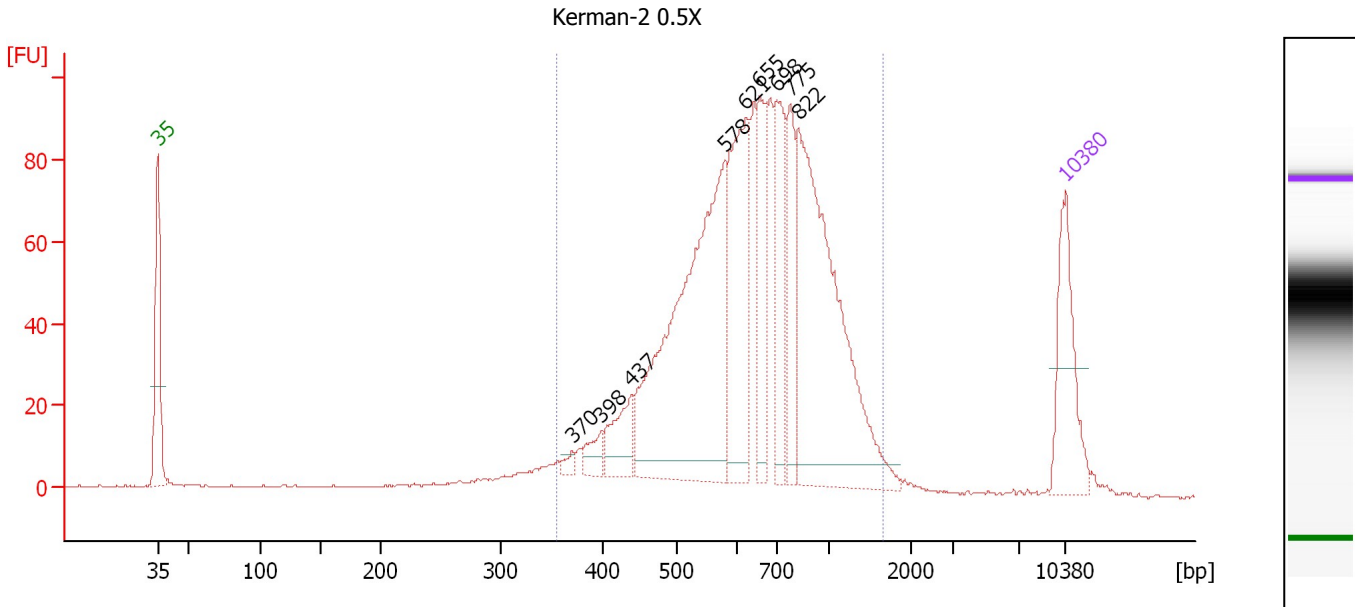
Region table for sample 5 : Kerman-2 0.55X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
264	530	1,137	2,252.0	95	29.3	1,975.41	6,294.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Kerman-2 0.5X

Number of peaks found: 9 Corr. Area 1: 1,448.2
 Noise: 0.2

Peak table for sample 6 : Kerman-2 0.5X

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	370	7.27	29.8	
3	398	20.54	78.2	
4	437	49.21	170.5	
5	578	394.06	1,032.1	
6	621	177.92	433.9	
7	655	88.52	204.8	
8	698	98.54	213.9	
9	775	76.84	150.3	
10	822	342.90	632.4	
11	10,380	75.00	10.9	Upper Marker

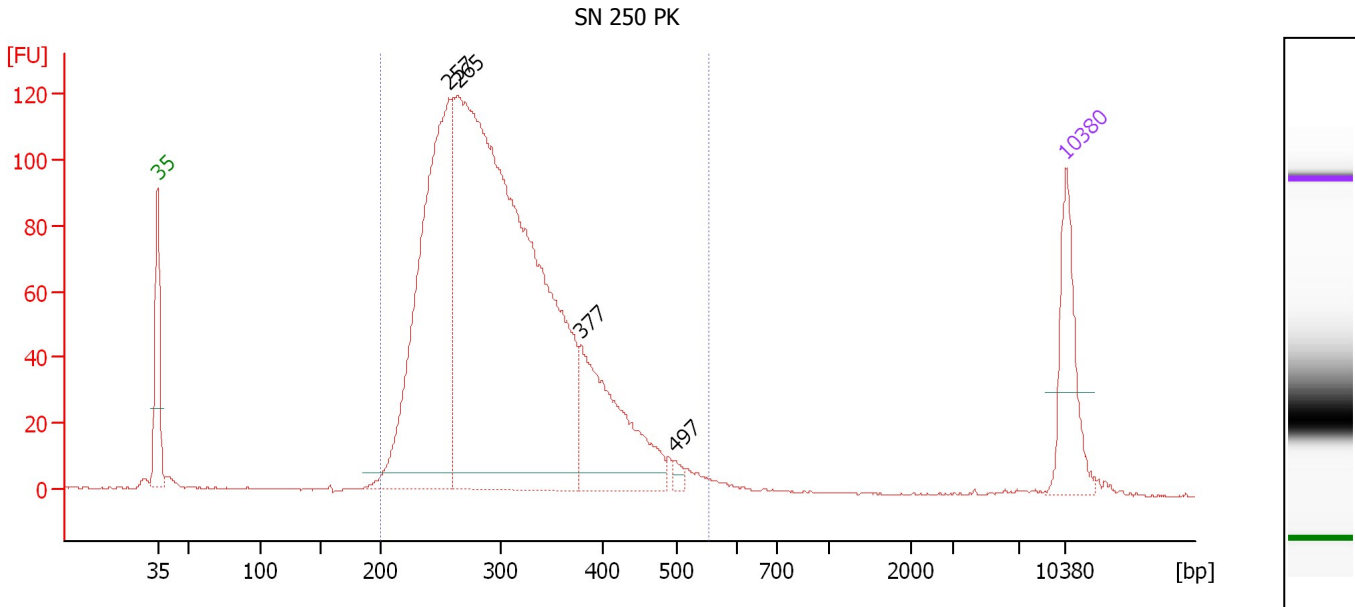
Region table for sample 6 : Kerman-2 0.5X

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
354	703	1,653	1,448.2	92	33.5	1,483.87	3,603.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SN 250 PK

Number of peaks found: 4 Corr. Area 1: 2,033.3
 Noise: 0.3

Peak table for sample 7 : SN 250 PK

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	257	568.11	3,346.5	
3	265	1,337.40	7,659.5	
4	377	207.50	833.5	
5	497	7.48	22.8	
6	10,380	75.00	10.9	Upper Marker

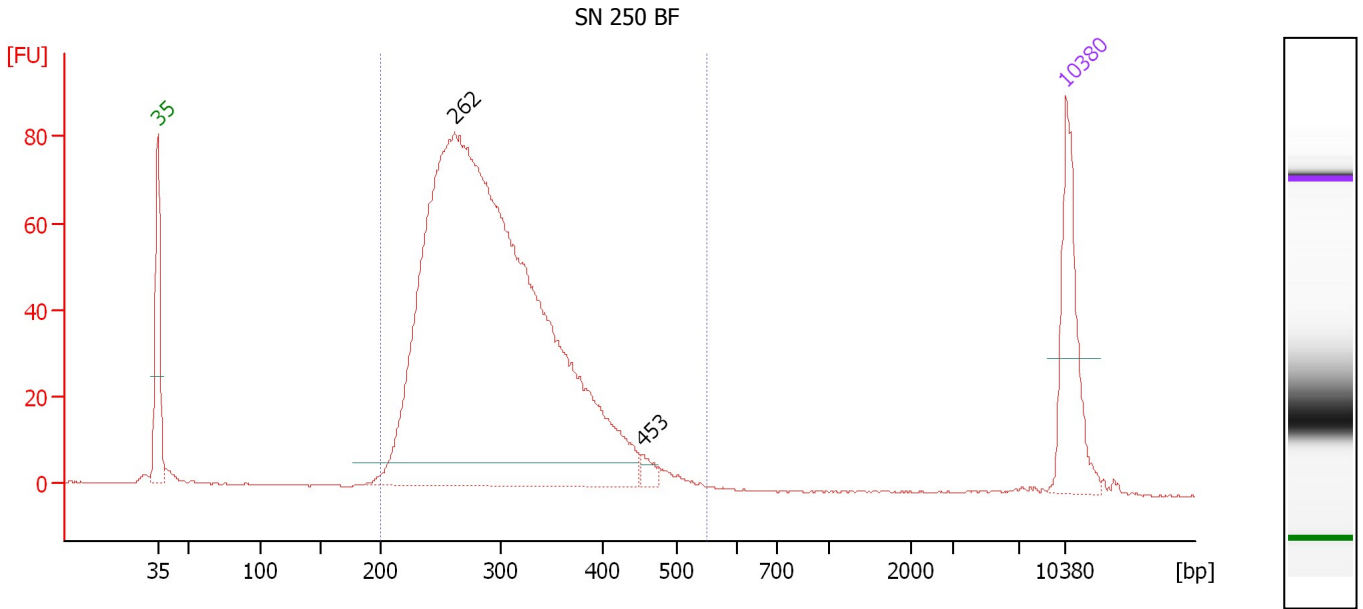
Region table for sample 7 : SN 250 PK

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	308	553	2,033.3	96	20.9	2,053.31	10,634.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SN 250 BF

Number of peaks found: 2 Corr. Area 1: 1,275.9
 Noise: 0.2

Peak table for sample 8 : SN 250 BF

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	262	1,450.61	8,392.0	
3	453	9.90	33.1	
4	10,380	75.00	10.9	Upper Marker

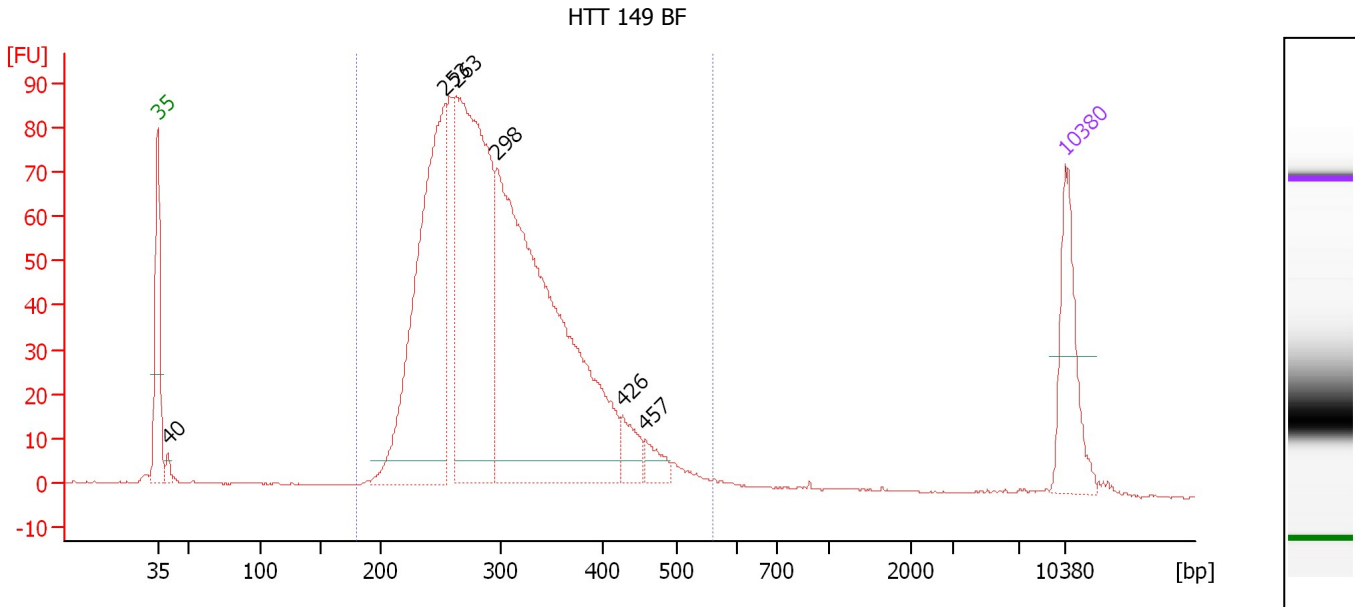
Region table for sample 8 : SN 250 BF

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	301	551	1,275.9	97	19.5	1,393.10	7,318.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HTT 149 BF

Number of peaks found: 6 Corr. Area 1: 1,455.8
 Noise: 0.1

Peak table for sample 9 : HTT 149 BF

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	10.16	385.0	
3	253	456.98	2,732.1	
4	263	531.07	3,060.1	
5	298	729.14	3,709.0	
6	426	32.77	116.6	
7	457	21.68	71.9	
8	10,380	75.00	10.9	Upper Marker

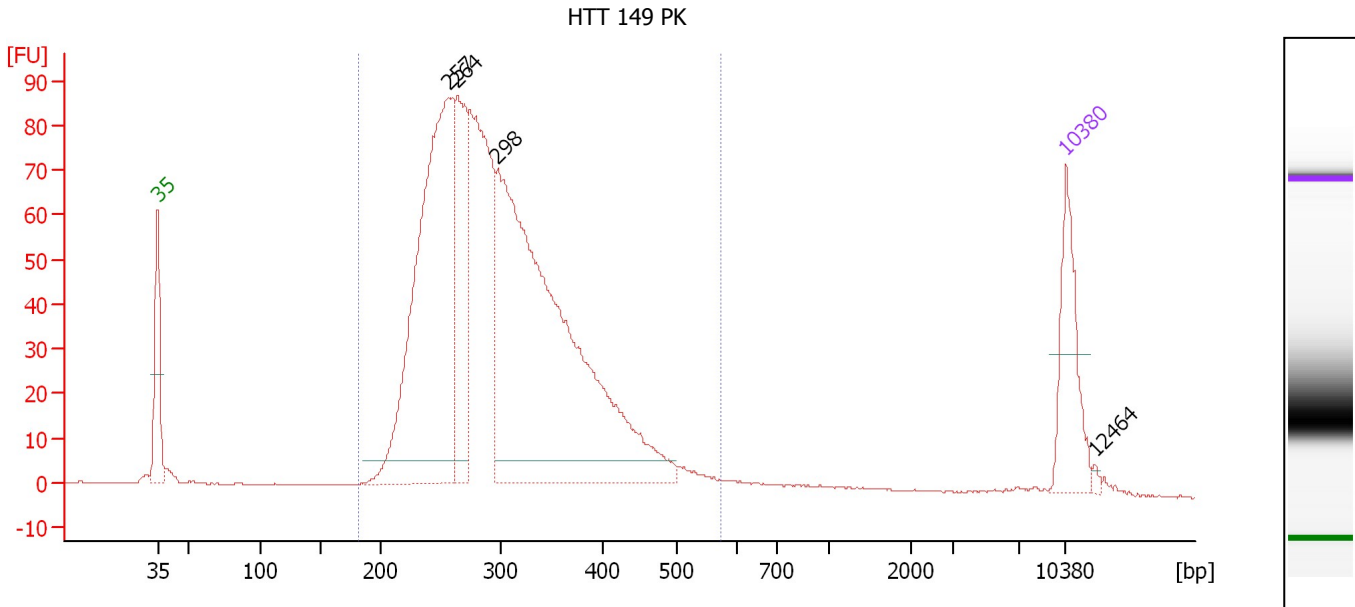
Region table for sample 9 : HTT 149 BF

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
180	305	561	1,455.8	96	20.9	1,886.95	9,864.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HTT 149 PK

Number of peaks found: 4 Corr. Area 1: 1,467.2
 Noise: 0.1

Peak table for sample 10 : HTT 149 PK

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	257	585.50	3,458.0	
3	264	182.05	1,044.9	
4	298	826.81	4,203.1	
5	10,380	75.00	10.9	Upper Marker
6	12,464	0.00	0.0	

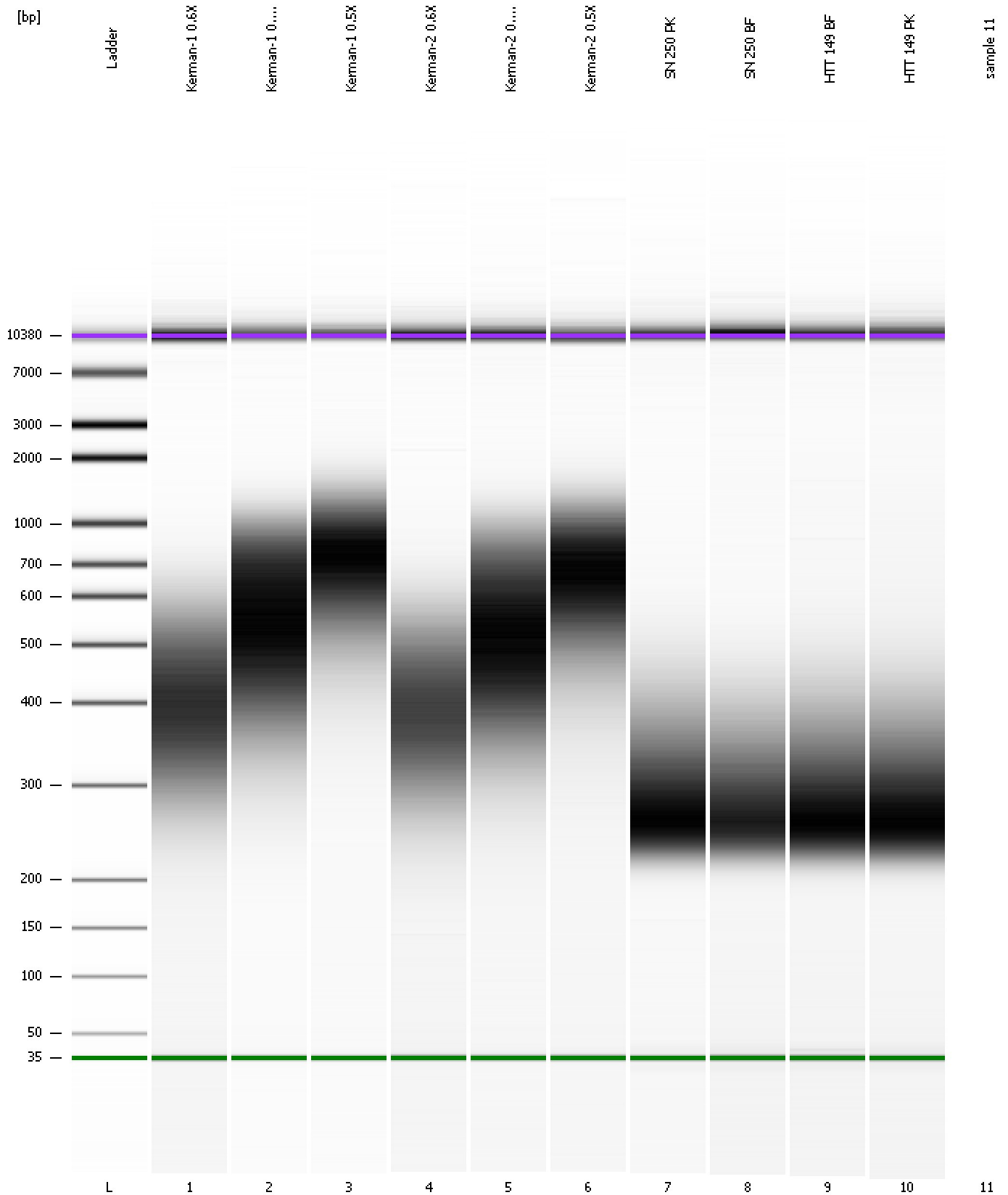
Region table for sample 10 : HTT 149 PK

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
181	305	572	1,467.2	95	21.3	1,940.88	10,138.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
Modified: 11/10/2014 5:08:41 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
Modified: 11/10/2014 5:08:41 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad

Created: 11/10/2014 4:27:32 PM
 Modified: 11/10/2014 5:08:41 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		11/10/2014 5:05:59 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-11-10\2014-11-10_002.xad)		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/10/2014 4:27:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1