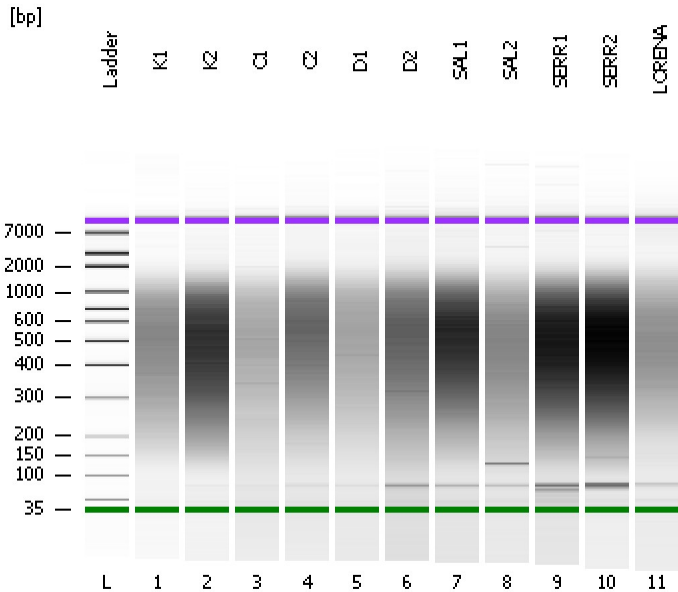


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
Modified: 11/16/2015 3:59:52 PM

Electrophoresis File Run Summary



Instrument Information:

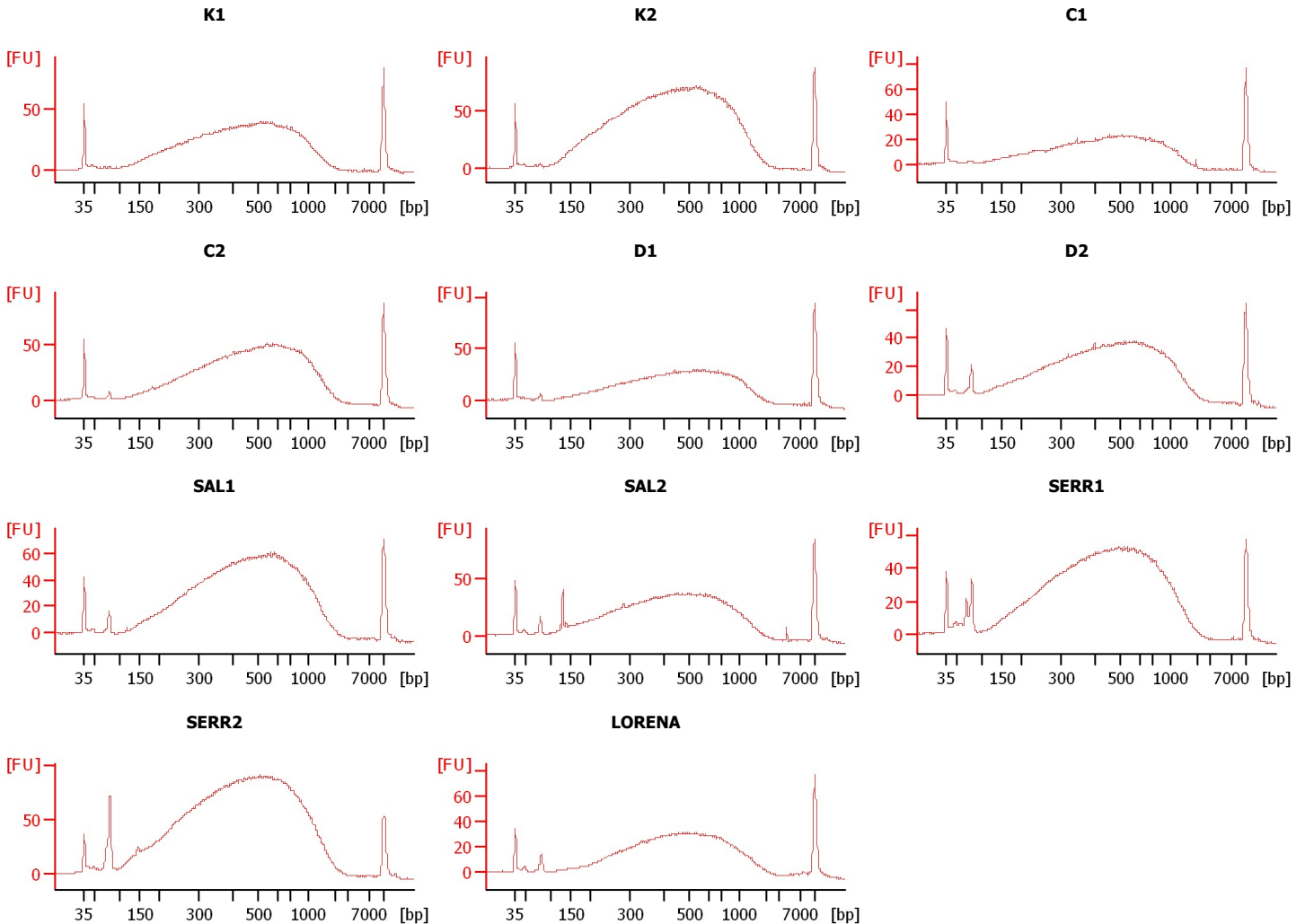
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
K1		<input type="checkbox"/>	✓			
K2		<input type="checkbox"/>	✓			
C1		<input type="checkbox"/>	✓			
C2		<input type="checkbox"/>	✓			
D1		<input type="checkbox"/>	✓			
D2		<input type="checkbox"/>	✓			
SAL1		<input type="checkbox"/>	✓			
SAL2		<input type="checkbox"/>	✓			
SERR1		<input type="checkbox"/>	✓			
SERR2		<input type="checkbox"/>	✓			
LORENA		<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\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
Modified: 11/16/2015 3:59:52 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

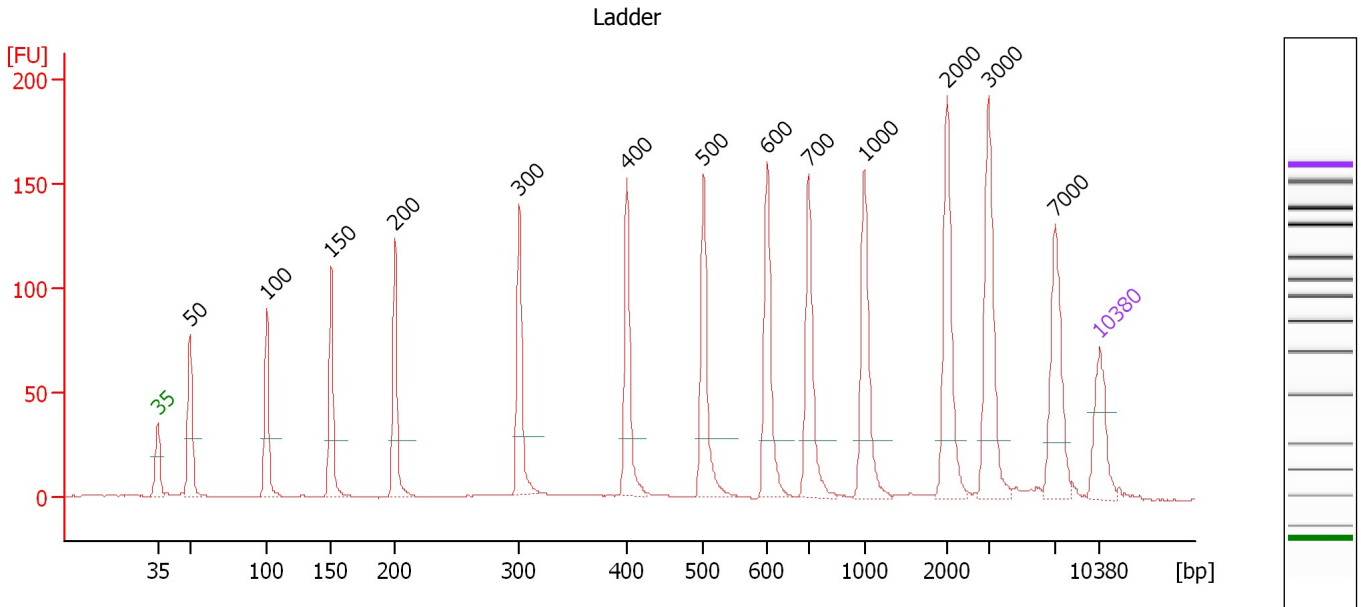
Ladder

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:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

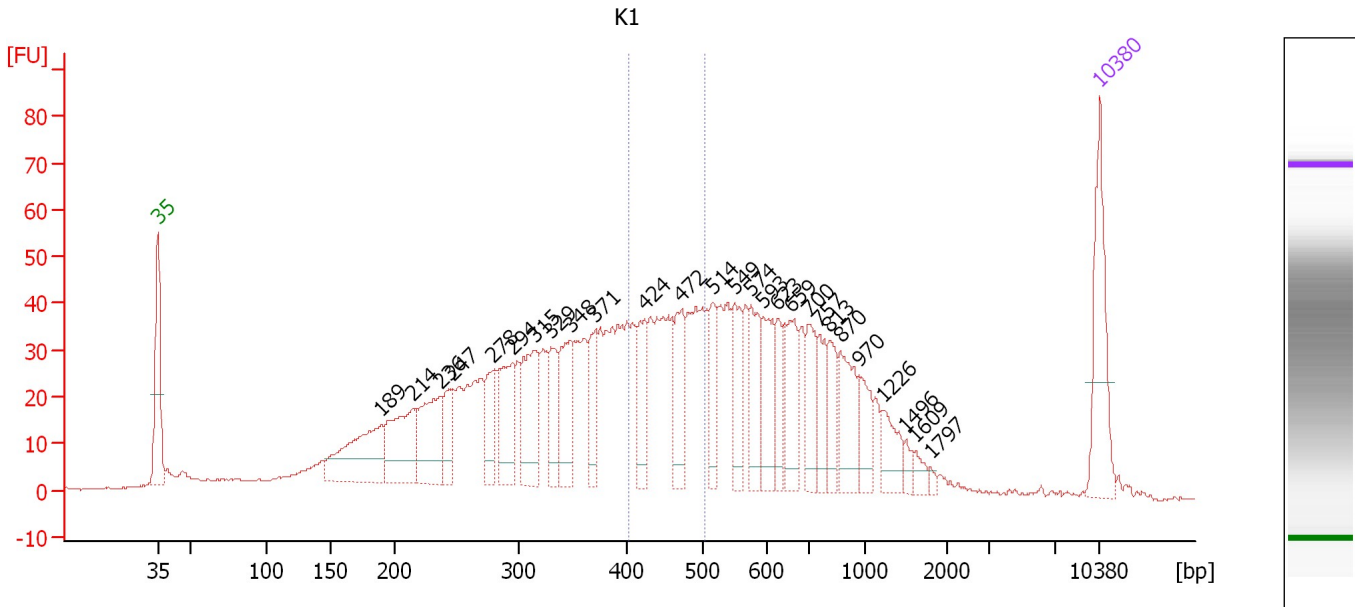
Peak table for Ladder

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	45.40
3	100	150.00	2,272.7	Ladder Peak	51.13
4	150	150.00	1,515.2	Ladder Peak	55.88
5	200	150.00	1,136.4	Ladder Peak	60.64
6	300	150.00	757.6	Ladder Peak	69.87
7	400	150.00	568.2	Ladder Peak	77.86
8	500	150.00	454.5	Ladder Peak	83.54
9	600	150.00	378.8	Ladder Peak	88.30
10	700	150.00	324.7	Ladder Peak	91.34
11	1,000	150.00	227.3	Ladder Peak	95.50
12	2,000	150.00	113.6	Ladder Peak	101.64
13	3,000	150.00	75.8	Ladder Peak	104.69
14	7,000	150.00	32.5	Ladder Peak	109.68
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : K1

Number of peaks found: 27 Corr. Area 1: 265.9
 Noise: 0.2

Peak table for sample 1 : K1

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	189	127.37	1,019.3		59.62
3	214	104.24	738.1		61.93
4	236	94.17	604.6		63.96
5	247	47.27	290.5		64.93
6	279	49.64	270.0		67.89
7	294	77.74	400.6		69.32
8	315	93.79	451.1		71.07
9	329	53.73	247.1		72.23
10	348	75.30	327.9		73.71
11	371	44.71	182.8		75.51
12	424	51.35	183.7		79.20
13	472	61.65	198.1		81.92
14	514	45.91	135.4		84.19
15	549	52.44	144.9		85.85
16	574	57.97	153.1		87.05
17	593	56.91	145.3		87.97
18	623	39.87	97.0		88.99
19	659	60.84	139.9		90.10
20	700	46.43	100.5		91.34
21	757	39.65	79.4		92.13
22	813	34.64	64.5		92.91
23	870	59.15	103.0		93.70
24	970	36.12	56.4		95.08
25	1,226	30.40	37.6		96.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : K1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,496	8.12	8.2		98.55
27	1,609	10.75	10.1		99.24
28	1,797	3.90	3.3		100.39
29	10,380	75.00	10.9	Upper Marker	113.00

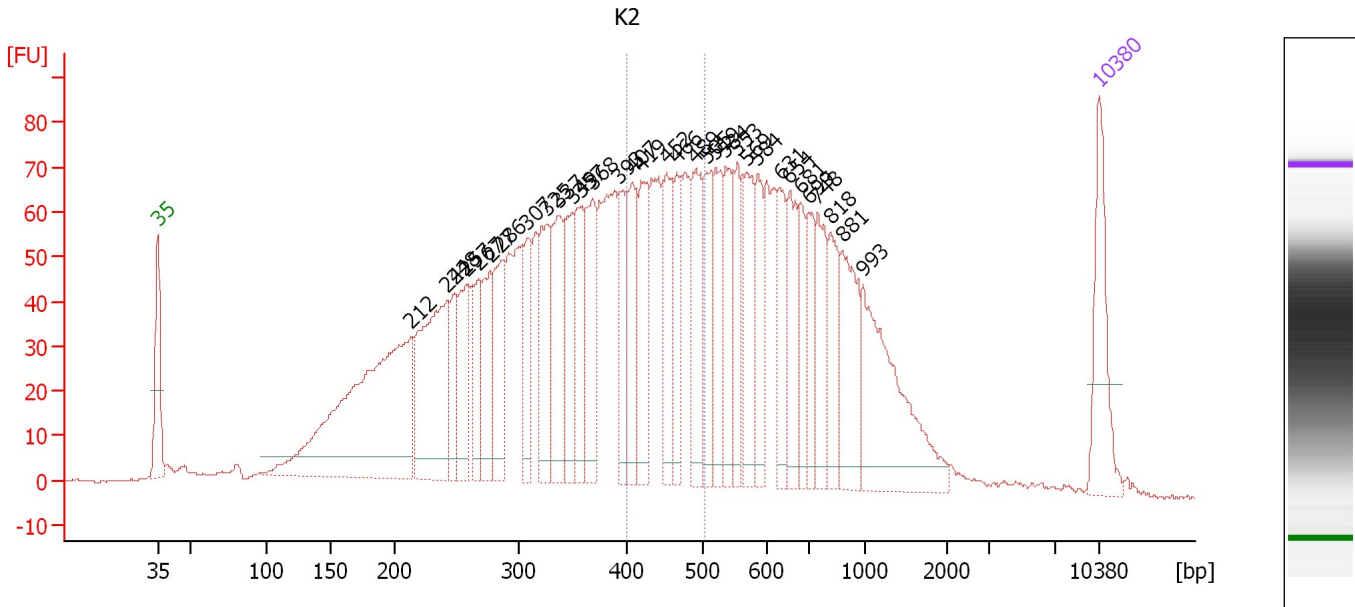
Region table for sample 1 : K1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
403	502	452	265.9	1,348.2	402.47	16	6.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : K2

Number of peaks found: 33 Corr. Area 1: 505.9
 Noise: 0.3

Peak table for sample 2 : K2

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	212	482.04	3,438.2		61.79
3	242	233.76	1,461.9		64.54
4	248	61.01	373.2		65.05
5	257	90.47	533.0		65.92
6	267	76.83	435.7		66.84
7	277	82.41	451.4		67.71
8	286	95.38	506.1		68.54
9	307	74.31	366.9		70.42
10	325	102.01	475.2		71.89
11	337	118.19	530.8		72.86
12	349	79.81	346.6		73.77
13	357	91.14	386.9		74.42
14	368	96.01	395.5		75.29
15	393	68.56	264.3		77.31
16	407	94.42	351.2		78.28
17	419	89.17	322.7		78.92
18	452	94.48	316.9		80.80
19	466	67.82	220.7		81.58
20	489	108.53	336.3		82.91
21	505	71.65	214.9		83.79
22	519	70.65	206.4		84.43
23	534	83.99	238.2		85.17
24	553	62.47	171.3		86.04
25	569	92.32	245.9		86.82

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 2 : K2

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	584	70.72	183.4		87.55
27	631	67.21	161.3		89.25
28	654	77.80	180.2		89.94
29	681	52.16	116.0		90.77
30	699	58.74	127.3		91.32
31	748	69.55	140.9		92.01
32	818	62.78	116.3		92.97
33	881	97.02	166.9		93.85
34	993	172.57	263.2		95.41
35	▶ 10,380	75.00	10.9	Upper Marker	113.00

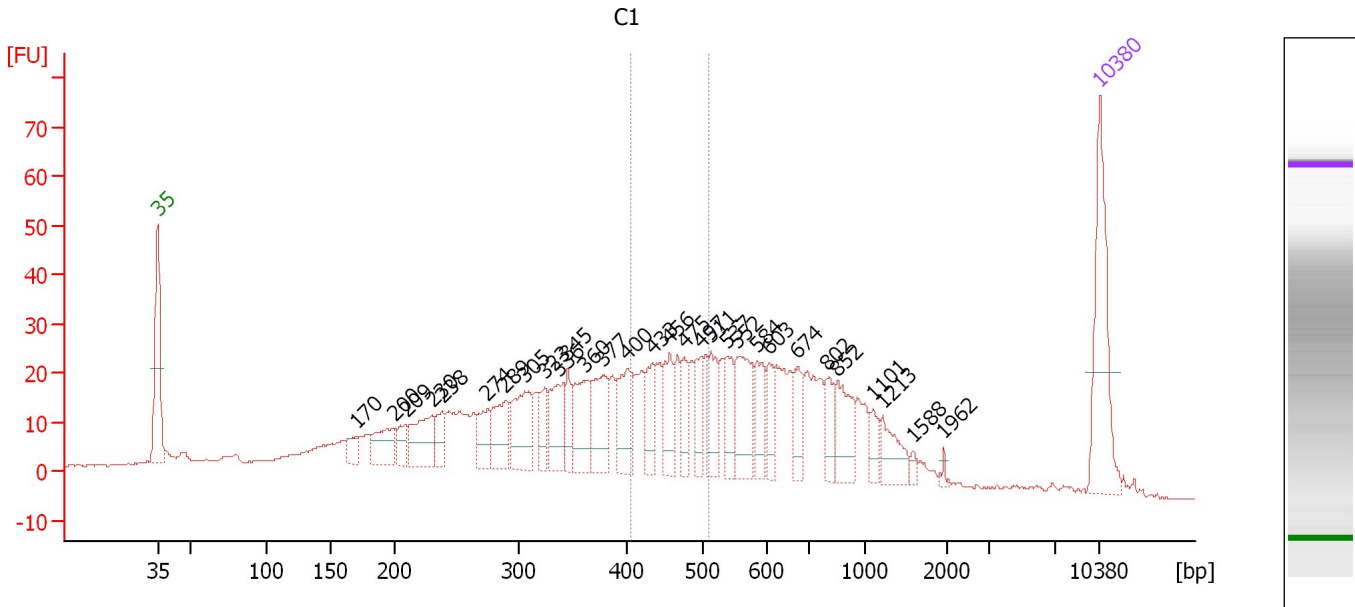
Region table for sample 2 : K2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
400	502	451	505.9	2,251.2	■ 669.38	16	6.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1

Number of peaks found: 30 Corr. Area 1: 180.9
 Noise: 0.2

Peak table for sample 3 : C1

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	170	18.30	163.3		57.76
3	200	38.28	290.4		60.61
4	209	17.99	130.6		61.44
5	230	49.30	325.3		63.37
6	238	22.39	142.8		64.11
7	274	30.13	166.3		67.51
8	289	44.87	235.3		68.85
9	305	56.56	281.0		70.27
10	323	24.03	112.6		71.75
11	336	40.48	182.5		72.76
12	345	26.17	115.0		73.45
13	360	49.25	207.1		74.69
14	377	52.03	209.1		76.02
15	400	48.38	183.3		77.86
16	433	32.03	112.0		79.75
17	456	37.30	124.0		81.04
18	475	25.67	82.0		82.09
19	497	27.59	84.1		83.38
20	511	35.32	104.7		84.07
21	537	30.18	85.1		85.31
22	552	55.16	151.5		86.00
23	584	30.39	78.9		87.52
24	603	24.57	61.7		88.39
25	674	25.52	57.4		90.56

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : C1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	802	22.11	41.7		92.76
27	852	38.47	68.4		93.45
28	1,101	13.20	18.2		96.12
29	1,213	25.92	32.4		96.81
30	1,588	4.12	3.9		99.11
31	1,962	2.43	1.9		101.41
32	10,380	75.00	10.9	Upper Marker	113.00

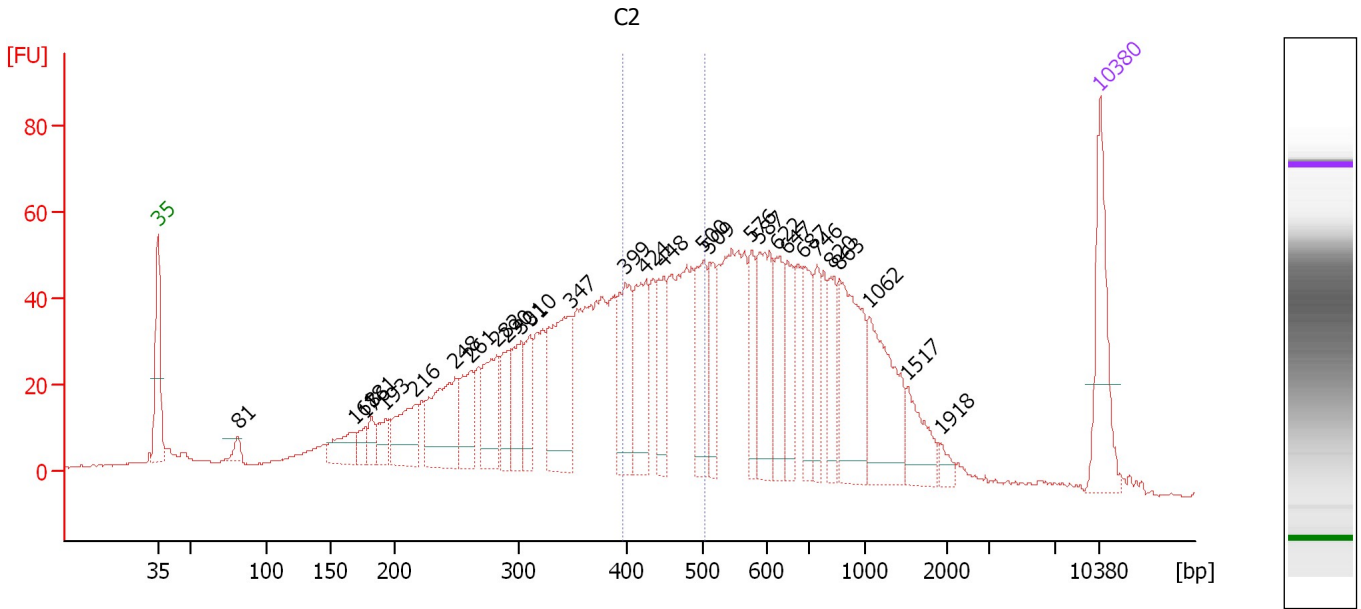
Region table for sample 3 : C1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
405	508	456	180.9	879.8	264.79	15	6.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C2

Number of peaks found: 29 Corr. Area 1: 368.4
 Noise: 0.2

Peak table for sample 4 : C2

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	81	13.72	256.5		48.95
3	168	42.62	385.2		57.56
4	176	17.55	150.7		58.40
5	181	19.76	165.1		58.86
6	193	26.10	205.4		59.93
7	216	69.39	486.7		62.12
8	248	115.48	704.9		65.09
9	261	59.40	344.4		66.30
10	282	78.78	423.3		68.21
11	290	43.39	226.7		68.95
12	301	56.24	282.8		69.98
13	310	48.93	239.2		70.67
14	347	138.03	602.2		73.65
15	399	88.31	335.7		77.74
16	424	88.80	317.2		79.23
17	448	61.35	207.6		80.58
18	500	78.43	237.5		83.56
19	509	51.94	154.6		83.98
20	576	45.94	120.9		87.14
21	587	93.83	242.0		87.70
22	622	57.22	139.5		88.95
23	647	52.76	123.5		89.74
24	687	58.44	128.9		90.95
25	746	40.93	83.2		91.98

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 :

C2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	820	43.56	80.5		93.00
27	863	118.09	207.3		93.60
28	1,062	103.22	147.2		95.88
29	1,517	40.05	40.0		98.67
30	1,918	8.57	6.8		101.14
31	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 :

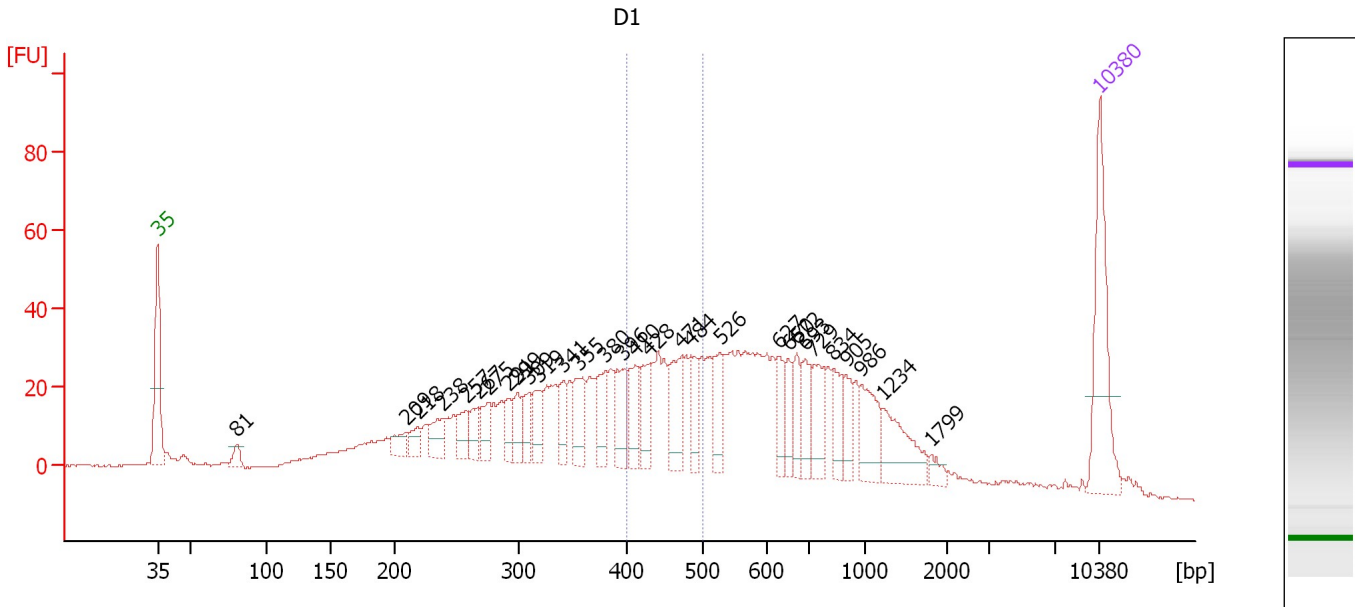
C2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
397	503	450	368.4	1,685.6	499.43	16	6.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : D1

Number of peaks found: 30 Corr. Area 1: 218.4
 Noise: 0.2

Peak table for sample 5 : D1

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	81	12.62	237.4		48.90
3	209	16.31	118.3		61.45
4	218	16.06	111.4		62.34
5	238	25.11	160.1		64.12
6	257	20.47	120.7		65.90
7	267	19.18	109.0		66.79
8	275	21.99	121.3		67.54
9	291	19.34	100.5		69.08
10	299	21.74	110.3		69.74
11	309	20.27	99.3		70.63
12	319	27.42	130.3		71.37
13	341	22.57	100.3		73.15
14	355	35.34	150.8		74.28
15	380	26.87	107.2		76.24
16	396	34.62	132.4		77.56
17	410	33.46	123.6		78.44
18	428	30.06	106.3		79.47
19	471	42.69	137.2		81.91
20	484	25.94	81.3		82.61
21	526	29.29	84.4		84.77
22	627	22.87	55.3		89.12
23	650	22.48	52.4		89.82
24	672	22.76	51.3		90.48
25	693	25.96	56.8		91.13

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
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Electropherogram Summary Continued ...

... Peak table for sample 5 : D1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	729	34.79	72.3		91.74
27	834	22.14	40.2		93.19
28	905	18.98	31.8		94.18
29	986	38.38	59.0		95.30
30	1,234	45.02	55.3		96.94
31	1,799	7.17	6.0		100.40
32	10,380	75.00	10.9	Upper Marker	113.00

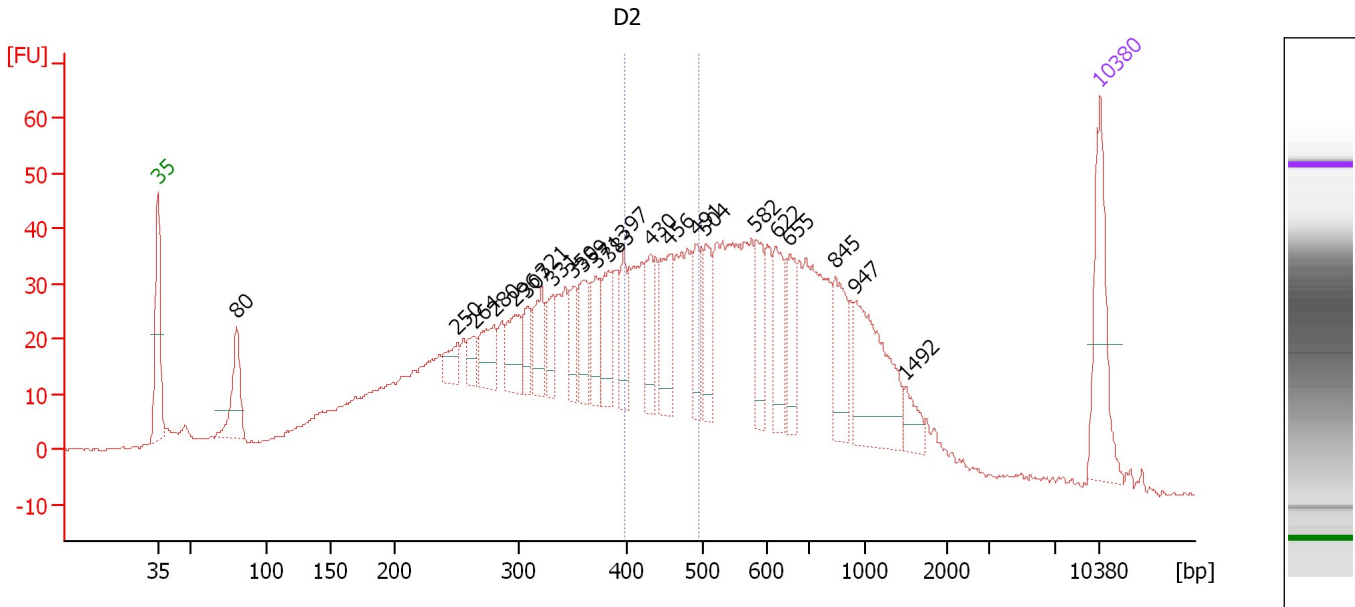
Region table for sample 5 : D1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
400	499	450	218.4	875.7	259.86	16	6.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : D2

Number of peaks found: 23 Corr. Area 1: 266.7
 Noise: 0.3

Peak table for sample 6 : D2

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	73.79	1,391.5		48.88
3	250	23.94	144.9		65.28
4	264	20.78	119.5		66.51
5	280	42.56	230.5		68.01
6	296	45.51	232.8		69.51
7	307	27.20	134.4		70.41
8	321	40.63	191.9		71.54
9	331	30.26	138.6		72.34
10	350	30.45	131.7		73.89
11	359	41.52	175.2		74.59
12	371	42.00	171.3		75.58
13	383	45.70	181.0		76.47
14	397	35.40	135.2		77.60
15	430	39.30	138.4		79.57
16	456	61.80	205.4		81.03
17	491	38.63	119.3		83.01
18	504	47.28	142.2		83.71
19	582	39.55	103.0		87.43
20	622	50.60	123.2		88.98
21	655	42.04	97.3		89.96
22	845	56.97	102.2		93.35
23	947	110.10	176.2		94.76
24	1,492	18.12	18.4		98.52
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...

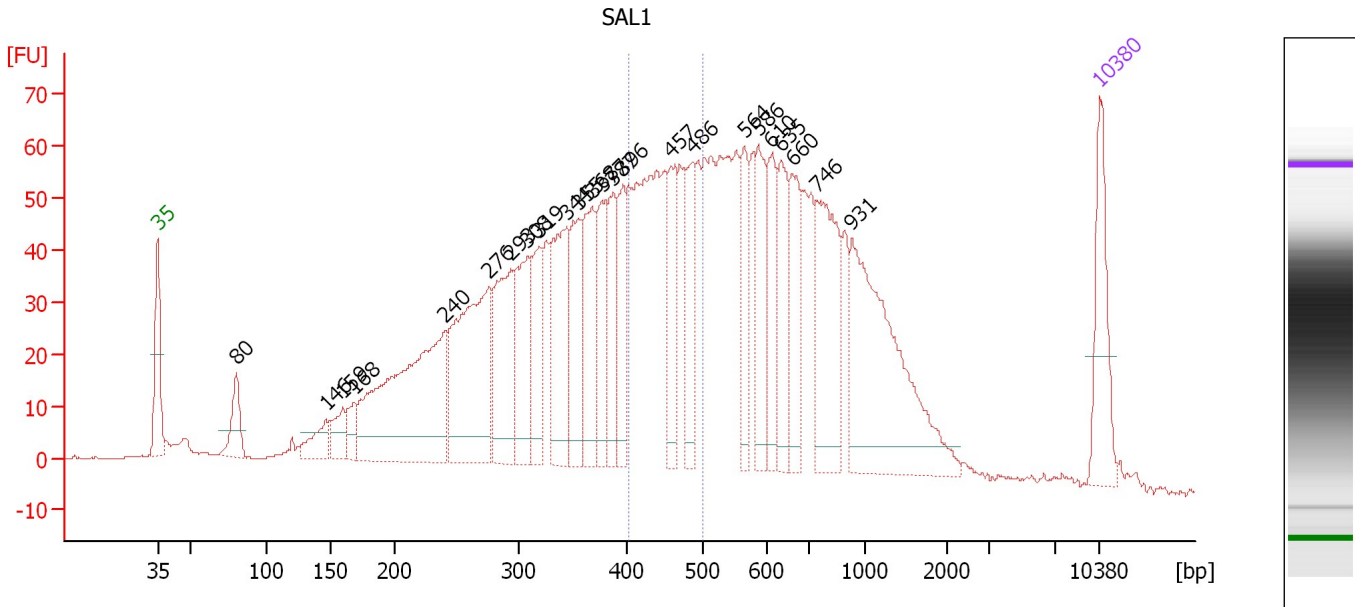
... Region table for sample 6 : D2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
398	493	445	266.7	1,527.1	448.34	14	6.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SAL1

Number of peaks found: 24 Corr. Area 1: 399.6
 Noise: 0.2

Peak table for sample 7 : SAL1

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	54.40	1,030.3		48.84
3	146	40.69	422.9		55.48
4	159	38.17	363.2		56.76
5	168	29.09	262.0		57.62
6	240	346.92	2,187.8		64.36
7	276	254.84	1,400.4		67.63
8	293	147.19	760.7		69.24
9	308	121.32	597.6		70.48
10	319	82.19	390.5		71.38
11	344	152.52	671.0		73.42
12	355	96.26	411.4		74.23
13	368	107.36	442.6		75.27
14	377	82.81	332.7		76.03
15	387	88.51	346.4		76.84
16	396	68.12	260.6		77.55
17	457	86.47	286.6		81.11
18	486	85.53	266.9		82.72
19	564	70.13	188.5		86.57
20	586	87.25	225.8		87.61
21	610	74.76	185.6		88.61
22	635	82.13	196.0		89.37
23	660	88.45	203.0		90.13
24	746	153.49	311.9		91.98
25	931	264.51	430.7		94.54

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...**... Peak table for sample 7 : SAL1**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

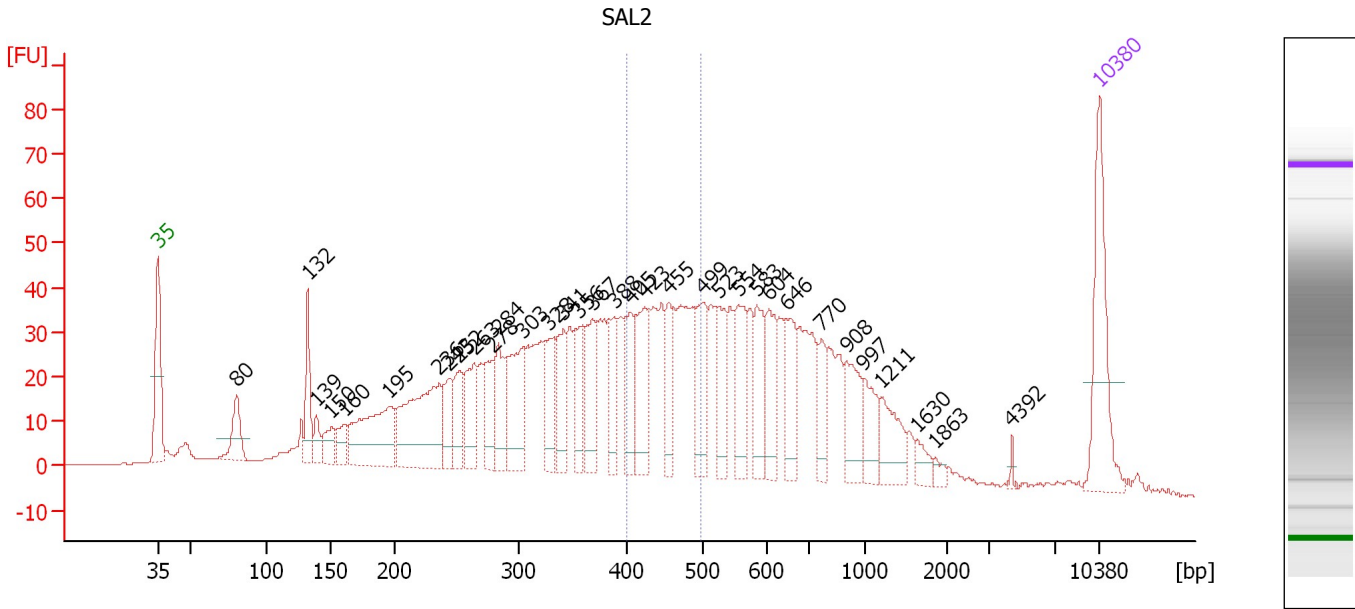
Region table for sample 7 : SAL1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
402	499	450	399.6	2,155.1	640.64	16	6.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : SAL2

Number of peaks found: 34 Corr. Area 1: 266.6
 Noise: 0.2

Peak table for sample 8 : SAL2

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	40.70	768.7		48.86
3	132	46.65	536.3		54.15
4	139	18.58	202.8		54.82
5	150	24.41	246.1		55.91
6	160	22.05	209.1		56.82
7	195	107.12	830.6		60.20
8	236	137.62	885.3		63.92
9	243	34.87	217.2		64.63
10	252	36.91	222.3		65.40
11	263	50.99	293.3		66.49
12	278	42.41	231.3		67.83
13	284	50.38	269.2		68.35
14	303	73.06	365.3		70.11
15	328	40.43	186.7		72.12
16	341	49.55	220.1		73.16
17	356	44.51	189.4		74.35
18	367	56.60	233.4		75.26
19	388	41.23	160.9		76.93
20	405	49.91	186.5		78.17
21	423	65.59	234.9		79.17
22	455	39.17	130.5		80.98
23	499	53.10	161.1		83.50
24	523	47.67	138.0		84.65
25	554	51.43	140.6		86.12

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : SAL2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	583	45.89	119.2		87.51
27	604	46.47	116.6		88.41
28	646	42.58	99.9		89.70
29	770	29.65	58.3		92.32
30	908	42.49	70.9		94.23
31	997	29.75	45.2		95.46
32	1,211	34.93	43.7		96.80
33	1,630	11.48	10.7		99.37
34	1,863	5.02	4.1		100.80
35	4,392	2.75	0.9		106.42
36	10,380	75.00	10.9	Upper Marker	113.00

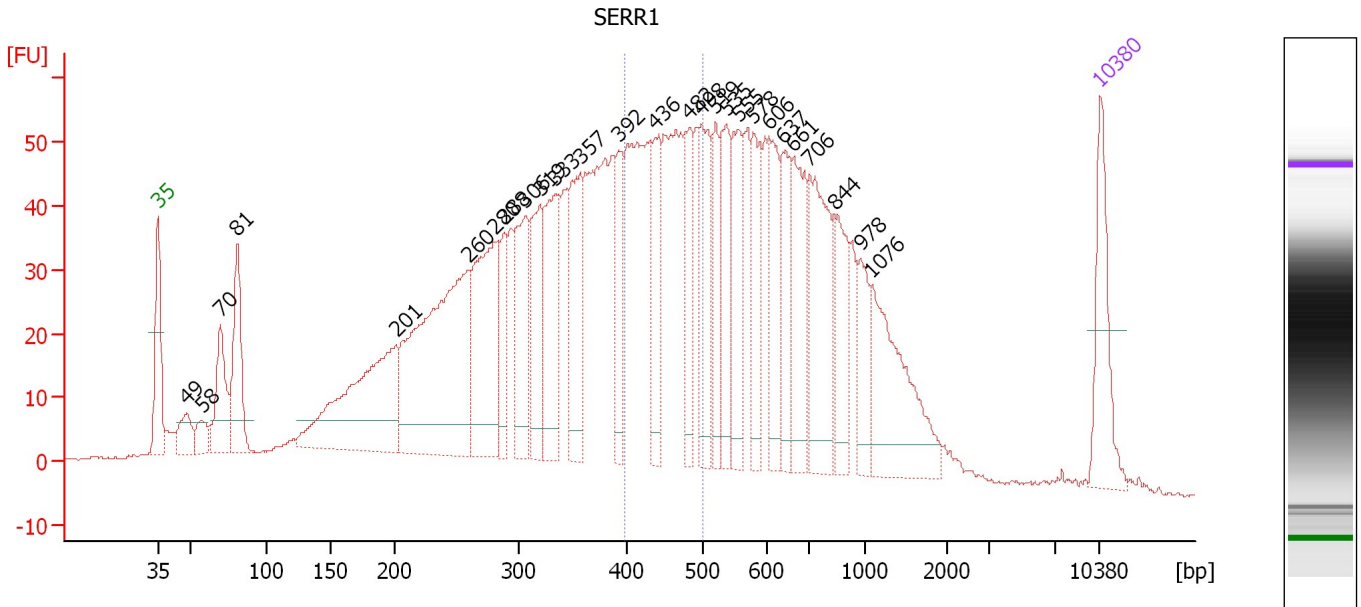
Region table for sample 8 : SAL2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
400	497	448	266.6	1,217.4	359.76	15	6.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : SERR1

Number of peaks found: 27 Corr. Area 1: 380.3
 Noise: 0.3

Peak table for sample 9 : SERR1

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	49	42.18	1,312.1		45.19
3	58	27.79	728.7		46.29
4	70	94.76	2,054.9		47.68
5	81	122.31	2,296.3		48.92
6	201	274.47	2,072.1		60.70
7	260	407.57	2,378.8		66.14
8	288	203.17	1,100.4		68.00
9	288	67.23	354.3		68.72
10	306	127.40	631.1		70.34
11	319	102.28	485.8		71.39
12	333	131.69	599.6		72.49
13	357	134.31	569.7		74.45
14	392	74.31	286.9		77.26
15	436	80.53	279.6		79.93
16	482	80.18	252.1		82.51
17	498	102.20	311.1		83.42
18	519	71.60	208.8		84.47
19	535	86.26	244.1		85.23
20	555	88.59	242.0		86.14
21	578	69.40	182.0		87.23
22	606	80.10	200.3		88.47
23	637	73.96	175.9		89.43
24	661	115.23	264.3		90.14
25	706	154.22	330.8		91.43

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : SERR1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	844	76.30	137.0		93.34
27	978	48.80	75.6		95.20
28	1,076	146.93	206.9		95.97
29	10,380	75.00	10.9	Upper Marker	113.00

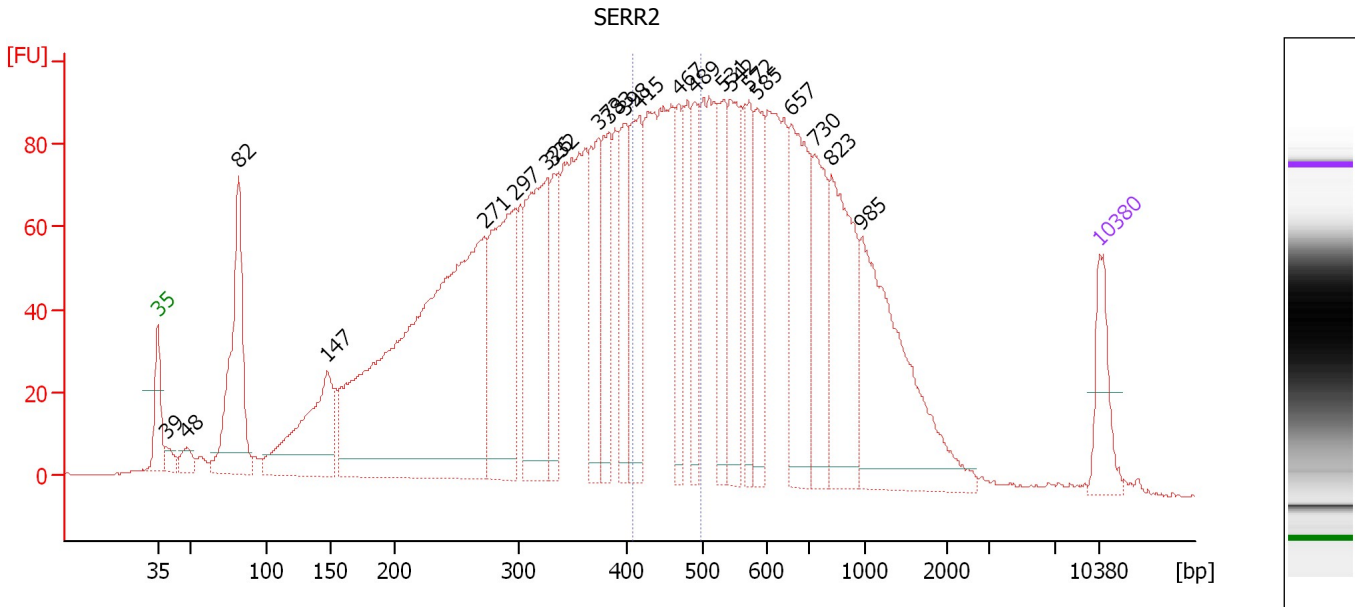
Region table for sample 9 : SERR1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
398	499	448	380.3	2,455.1	724.82	16	6.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : SERR2

Number of peaks found: 22 Corr. Area 1: 559.4
 Noise: 0.2

Peak table for sample 10 : SERR2

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	39	25.64	991.9		43.67
3	48	32.94	1,031.0		45.15
4	82	372.21	6,916.6		49.01
5	147	307.16	3,166.0		55.60
6	271	1,293.26	7,217.7		67.24
7	297	403.03	2,057.4		69.58
8	326	370.09	1,719.2		71.96
9	332	140.47	642.0		72.39
10	373	188.77	766.0		75.73
11	383	151.57	599.8		76.50
12	398	141.66	539.5		77.69
13	415	197.96	721.9		78.74
14	467	123.08	399.6		81.65
15	489	122.27	379.2		82.89
16	531	134.16	382.5		85.04
17	542	184.65	516.7		85.52
18	572	117.37	311.1		86.95
19	585	145.54	377.2		87.57
20	657	259.13	597.2		90.05
21	730	176.55	366.2		91.77
22	823	269.86	496.5		93.05
23	985	381.87	587.2		95.30
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...

... Region table for sample 10 :

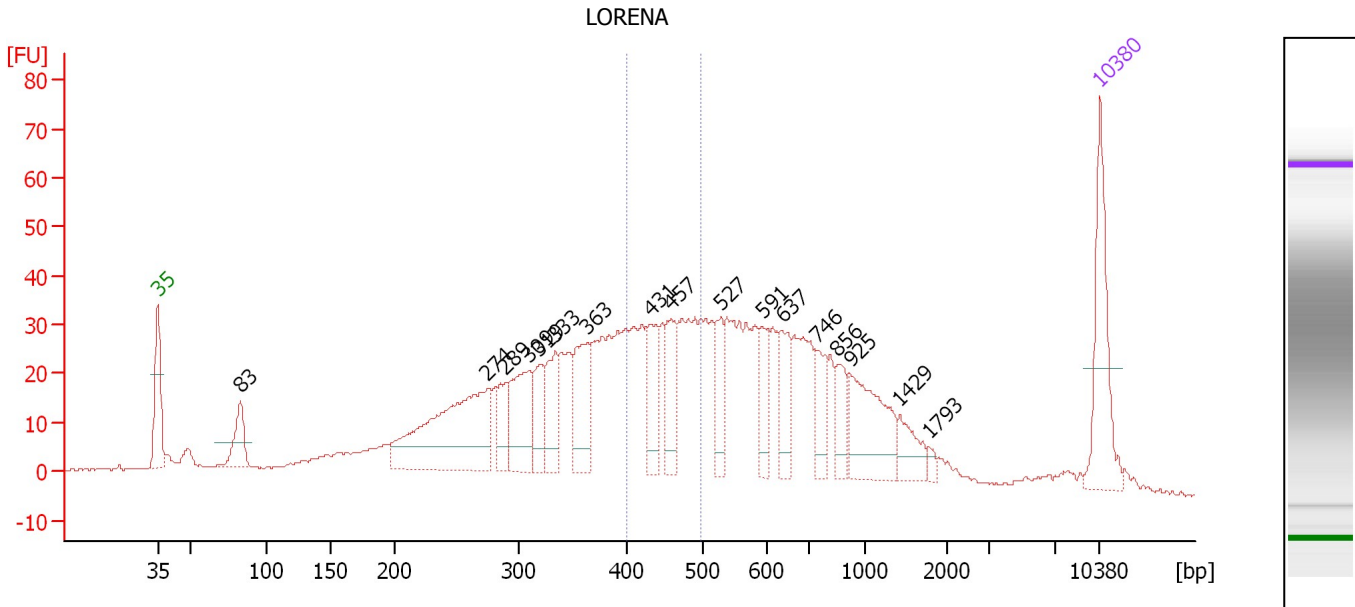
SERR2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
408	497	452	559.4	3,403.2	1,015.21	14	5.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : LORENA

Number of peaks found: 17 Corr. Area 1: 221.9
 Noise: 0.2

Peak table for sample 11 : LORENA

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	83	49.32	903.4		49.15
3	274	220.91	1,220.6		67.49
4	289	34.32	180.2		68.83
5	309	83.85	411.2		70.59
6	319	41.19	195.9		71.35
7	333	52.97	240.7		72.54
8	363	71.12	296.6		74.93
9	431	53.14	186.6		79.64
10	457	45.15	149.6		81.12
11	527	37.30	107.2		84.84
12	591	37.14	95.1		87.89
13	637	44.63	106.2		89.41
14	746	34.23	69.5		91.99
15	856	28.61	50.6		93.51
16	925	85.86	140.6		94.46
17	1,429	26.58	28.2		98.13
18	1,793	5.49	4.6		100.37
19	10,380	75.00	10.9	Upper Marker	113.00

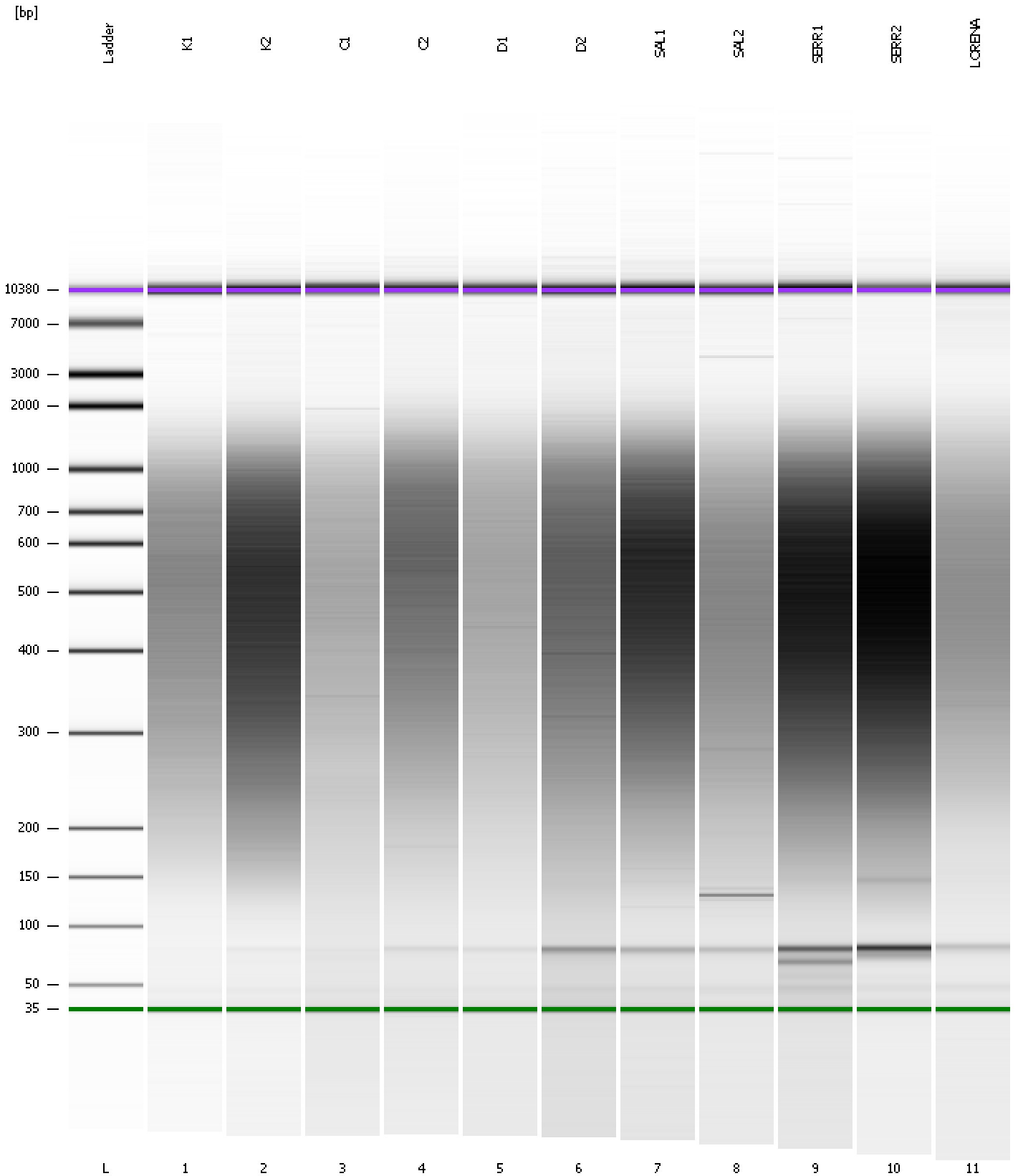
Region table for sample 11 : LORENA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
399	496	447	221.9	1,177.3	347.33	16	6.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
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Gel Image

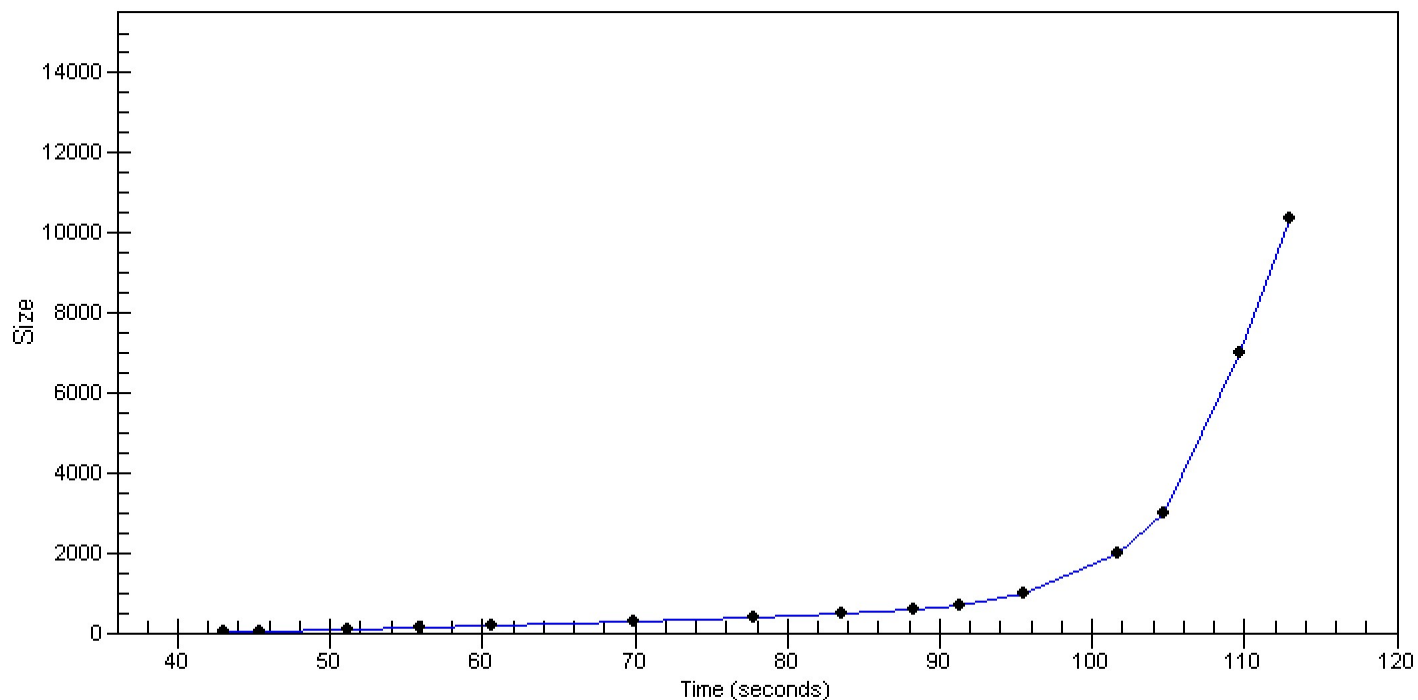


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad

Created: 11/16/2015 2:53:44 PM
 Modified: 11/16/2015 3:59:52 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		11/16/2015 3:34:11 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-16\2015-11-16_003.xad)		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/16/2015 2:53:50 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1