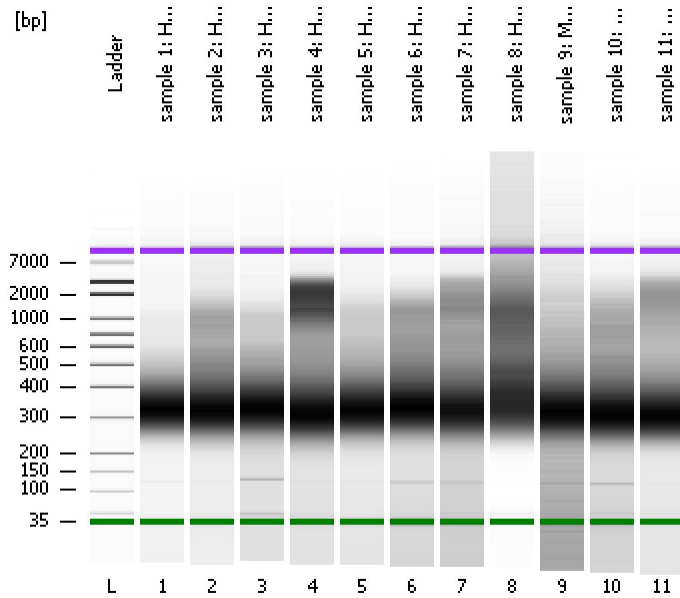


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Electrophoresis File Run Summary



Instrument Information:

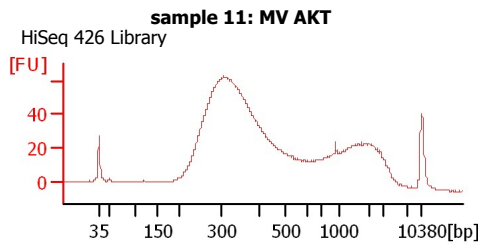
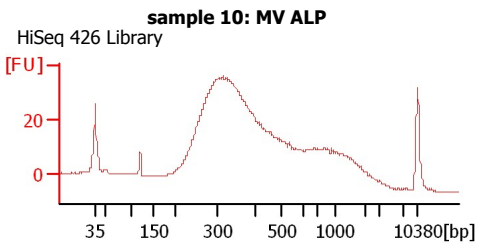
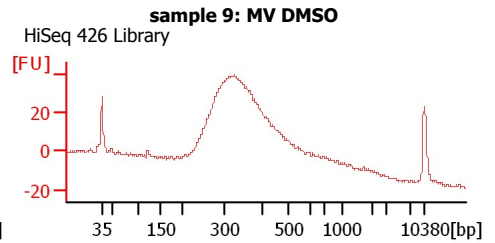
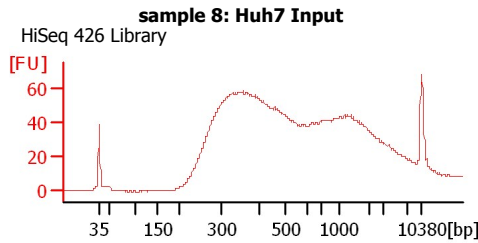
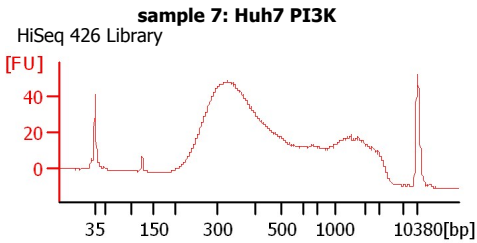
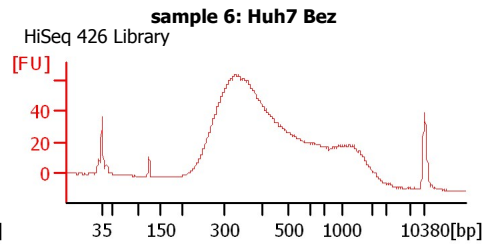
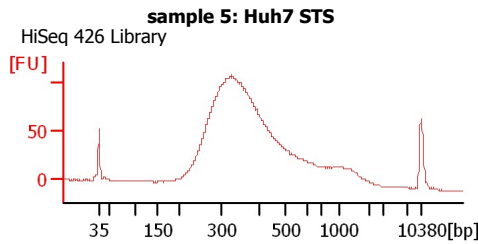
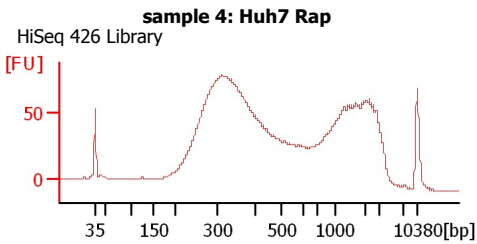
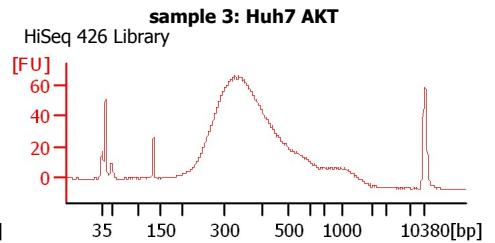
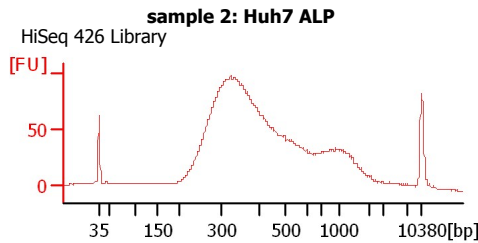
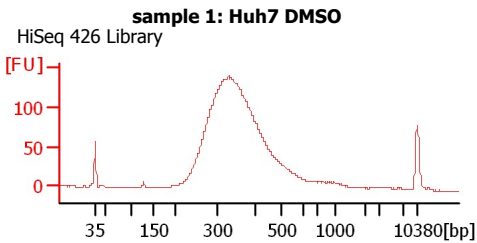
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1: Huh7 DMSO	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 2: Huh7 ALP	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 3: Huh7 AKT	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 4: Huh7 Rap	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 5: Huh7 STS	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 6: Huh7 Bez	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 7: Huh7 PI3K	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 8: Huh7 Input	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 9: MV DMSO	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 10: MV ALP	HiSeq 426 Library	<input type="checkbox"/>	✓			
sample 11: MV AKT	HiSeq 426 Library	<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\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 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

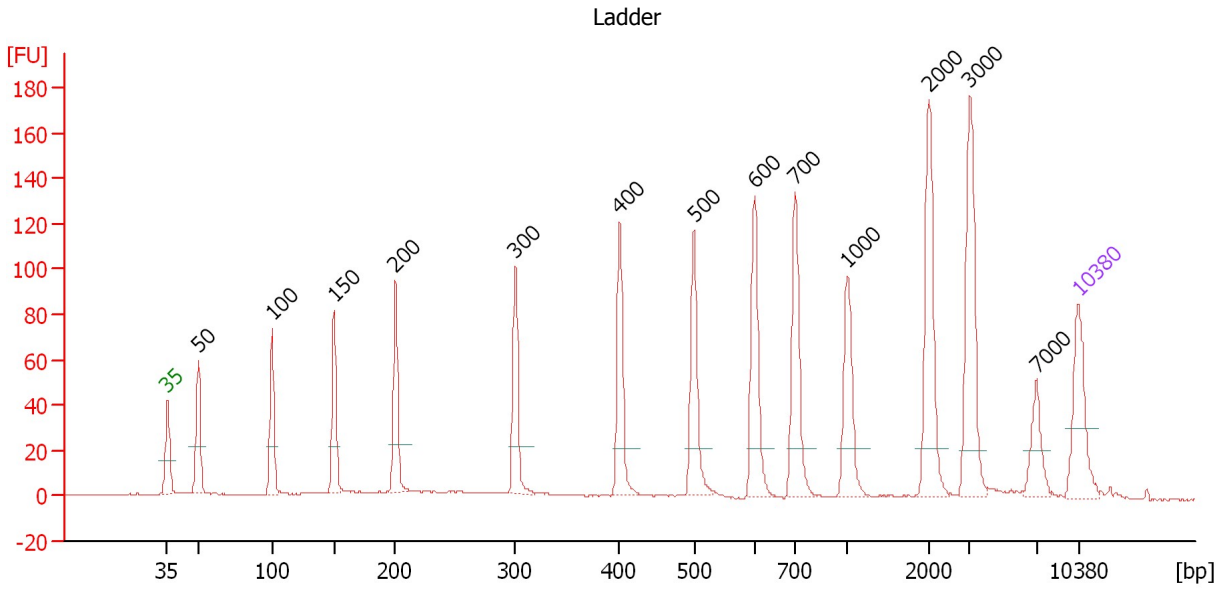
Ladder

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\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

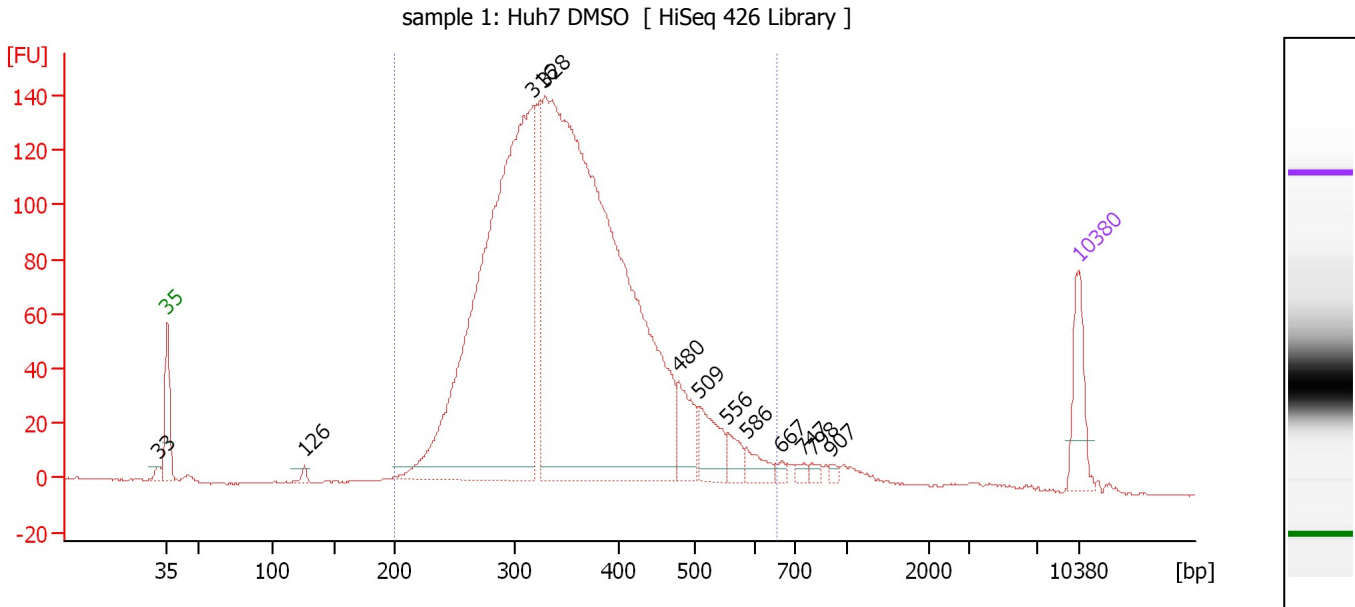
Peak table for Ladder

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	45.38
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.82
5	200	150.00	1,136.4	Ladder Peak	60.54
6	300	150.00	757.6	Ladder Peak	69.73
7	400	150.00	568.2	Ladder Peak	77.74
8	500	150.00	454.5	Ladder Peak	83.46
9	600	150.00	378.8	Ladder Peak	88.13
10	700	150.00	324.7	Ladder Peak	91.22
11	1,000	150.00	227.3	Ladder Peak	95.23
12	2,000	150.00	113.6	Ladder Peak	101.52
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.76
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1: Huh7 DMSO

Number of peaks found: 12 Corr. Area 1: 2,621.8
 Noise: 0.2

Peak table for sample 1 : sample 1: Huh7 DMSO

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.32
2	35	125.00	5,411.3	Lower Marker	43.00
3	126	10.79	129.8		53.52
4	316	1,545.17	7,398.5		71.05
5	328	2,241.81	10,359.1		71.97
6	480	92.67	292.7		82.30
7	509	84.86	252.5		83.89
8	556	35.23	96.0		86.06
9	586	33.02	85.4		87.46
10	667	9.24	21.0		90.21
11	747	9.86	20.0		91.86
12	798	9.96	18.9		92.53
13	907	7.38	12.3		93.98
14	10,380	75.00	10.9	Upper Marker	113.00

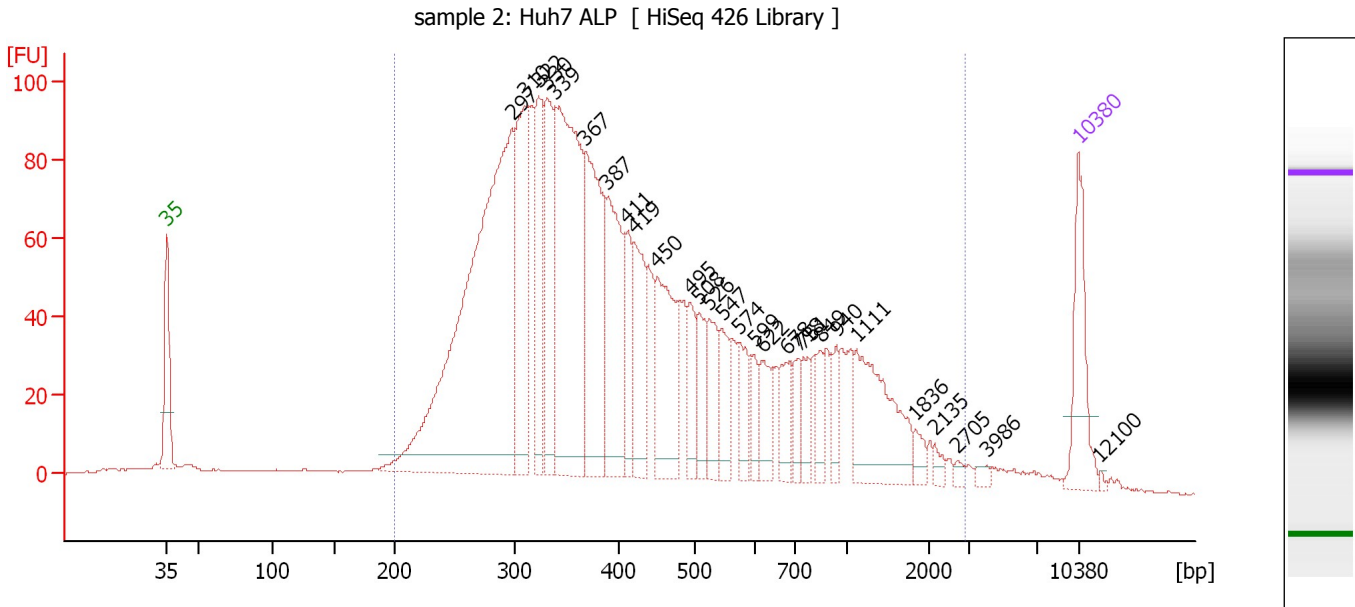
Region table for sample 1 : sample 1: Huh7 DMSO

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	656	357	2,621.8	19,038.7	4,228.09	94	22.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2: Huh7 ALP

Number of peaks found: 28 Corr. Area 1: 2,633.9
 Noise: 0.2

Peak table for sample 2 : sample 2: Huh7 ALP

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	297	849.91	4,331.1		69.49
3	310	210.69	1,030.9		70.51
4	322	141.83	666.6		71.52
5	330	148.39	680.8		72.15
6	339	417.99	1,869.6		72.83
7	367	251.40	1,039.0		75.07
8	387	178.29	697.6		76.71
9	411	70.63	260.4		78.36
10	419	105.35	380.6		78.85
11	450	155.40	523.3		80.60
12	495	46.86	143.5		83.17
13	508	50.52	150.6		83.85
14	526	59.98	172.8		84.67
15	547	45.75	126.8		85.64
16	574	44.62	117.8		86.90
17	599	33.33	84.3		88.07
18	622	42.20	102.9		88.79
19	678	42.85	95.8		90.54
20	718	28.62	60.4		91.46
21	751	30.78	62.1		91.90
22	849	28.36	50.6		93.21
23	940	27.39	44.2		94.42
24	1,111	137.71	187.8		95.92
25	1,836	13.45	11.1		100.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : sample 2: Huh7 ALP

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,135	8.37	5.9		101.94
27	2,705	5.26	2.9		103.73
28	3,986	5.92	2.3		105.92
29	10,380	75.00	10.9	Upper Marker	113.00
30	12,100	0.00	0.0		114.65

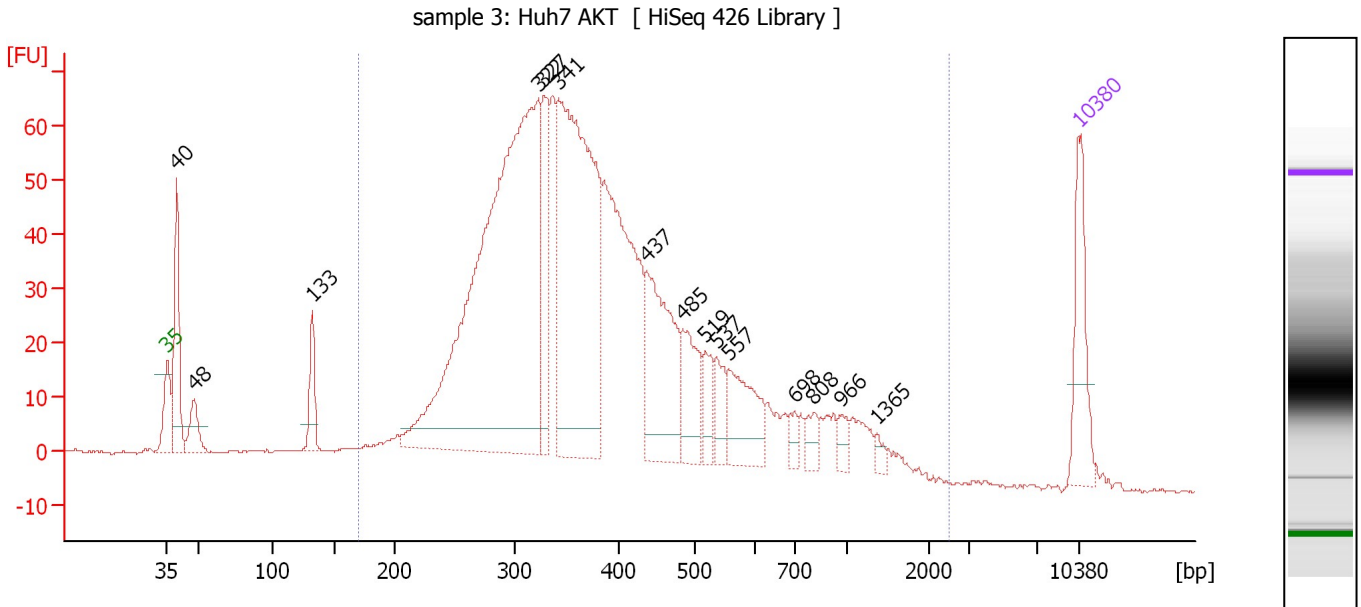
Region table for sample 2 : sample 2: Huh7 ALP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	2,857	521	2,633.9	15,437.1	3,809.62	94	72.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3: Huh7 AKT

Number of peaks found: 15 Corr. Area 1: 1,608.6
 Noise: 0.2

Peak table for sample 3 : sample 3: Huh7 AKT

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	40	159.58	6,114.8		43.72
3	48	51.19	1,615.4		45.07
4	133	54.96	628.4		54.15
5	322	1,012.09	4,759.4		71.51
6	327	129.23	598.8		71.89
7	341	575.00	2,551.8		73.05
8	437	187.99	652.5		79.83
9	485	82.83	258.6		82.62
10	519	38.67	112.9		84.35
11	537	38.55	108.9		85.16
12	557	90.72	246.7		86.13
13	698	15.66	34.0		91.17
14	808	19.76	37.1		92.66
15	966	14.85	23.3		94.78
16	1,365	8.63	9.6		97.52
17	10,380	75.00	10.9	Upper Marker	113.00

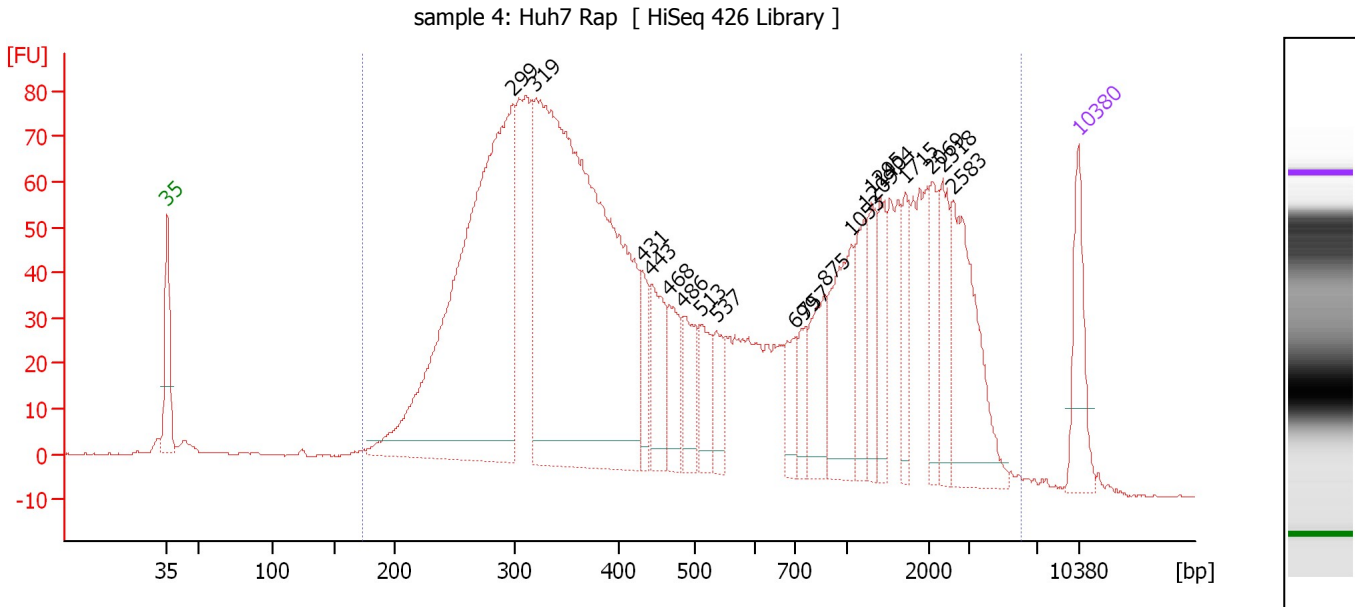
Region table for sample 3 : sample 3: Huh7 AKT

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
170	2,481	429	1,608.6	13,686.1	3,167.84	91	54.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4: Huh7 Rap

Number of peaks found: 19 Corr. Area 1: 2,804.6
 Noise: 0.3

Peak table for sample 4 : sample 4: Huh7 Rap

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	299	1,037.03	5,263.0		69.60
3	319	1,344.89	6,385.0		71.26
4	431	60.53	212.9		79.49
5	443	96.76	331.2		80.18
6	468	76.97	249.4		81.60
7	486	73.92	230.7		82.63
8	513	62.42	184.5		84.05
9	537	49.93	140.9		85.18
10	699	47.77	103.5		91.20
11	757	36.73	73.5		91.99
12	875	84.52	146.4		93.55
13	1,053	142.18	204.5		95.56
14	1,209	71.18	89.2		96.54
15	1,295	59.58	69.7		97.08
16	1,404	67.23	72.6		97.77
17	1,715	49.97	44.1		99.72
18	2,069	61.22	44.8		101.73
19	2,318	70.98	46.4		102.52
20	2,583	175.64	103.0		103.35
21	10,380	75.00	10.9	Upper Marker	113.00

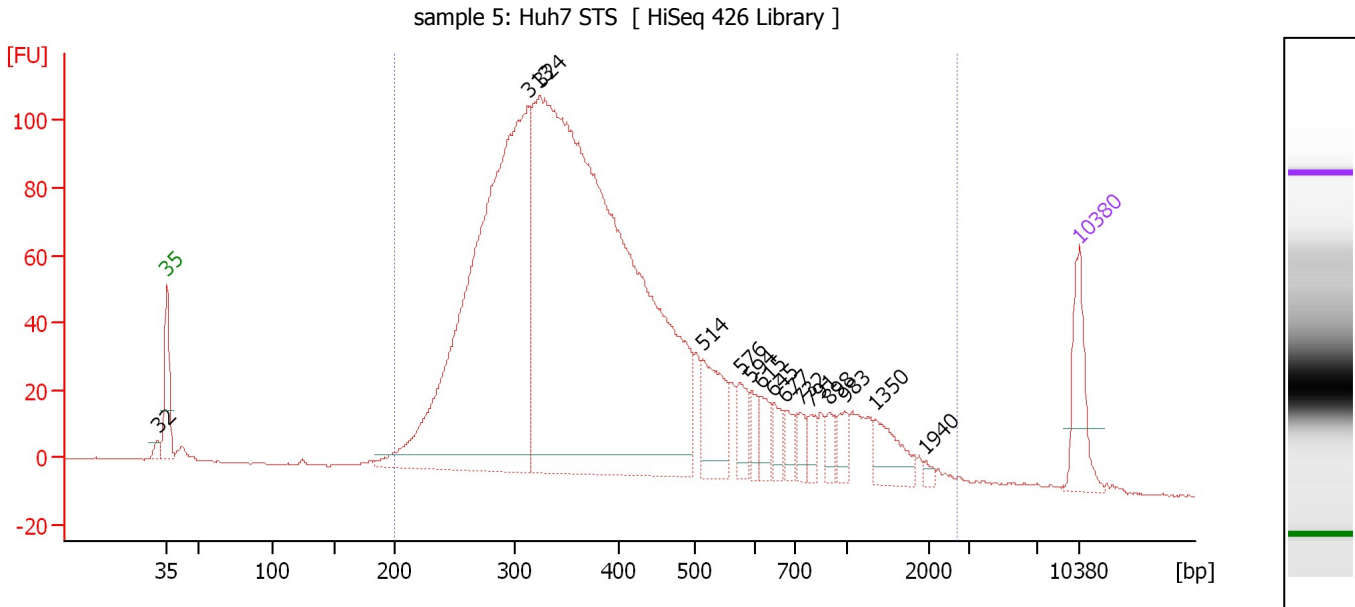
Region table for sample 4 : sample 4: Huh7 Rap

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
174	6,139	882	2,804.6	16,800.2	4,514.98	97	97.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5: Huh7 STS

Number of peaks found: 15 Corr. Area 1: 2,532.0
 Noise: 0.2

Peak table for sample 5 : sample 5: Huh7 STS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.26
2	35	125.00	5,411.3	Lower Marker	43.00
3	313	1,321.20	6,393.2		70.78
4	324	2,204.46	10,321.2		71.62
5	514	119.21	351.1		84.13
6	576	43.75	115.1		87.00
7	594	25.75	65.7		87.84
8	615	33.63	82.9		88.58
9	645	28.75	67.5		89.52
10	677	26.87	60.1		90.51
11	732	22.82	47.3		91.64
12	791	21.80	41.8		92.44
13	898	21.01	35.4		93.87
14	983	24.62	37.9		95.01
15	1,350	55.63	62.4		97.43
16	1,940	6.43	5.0		101.14
17	10,380	75.00	10.9	Upper Marker	113.00

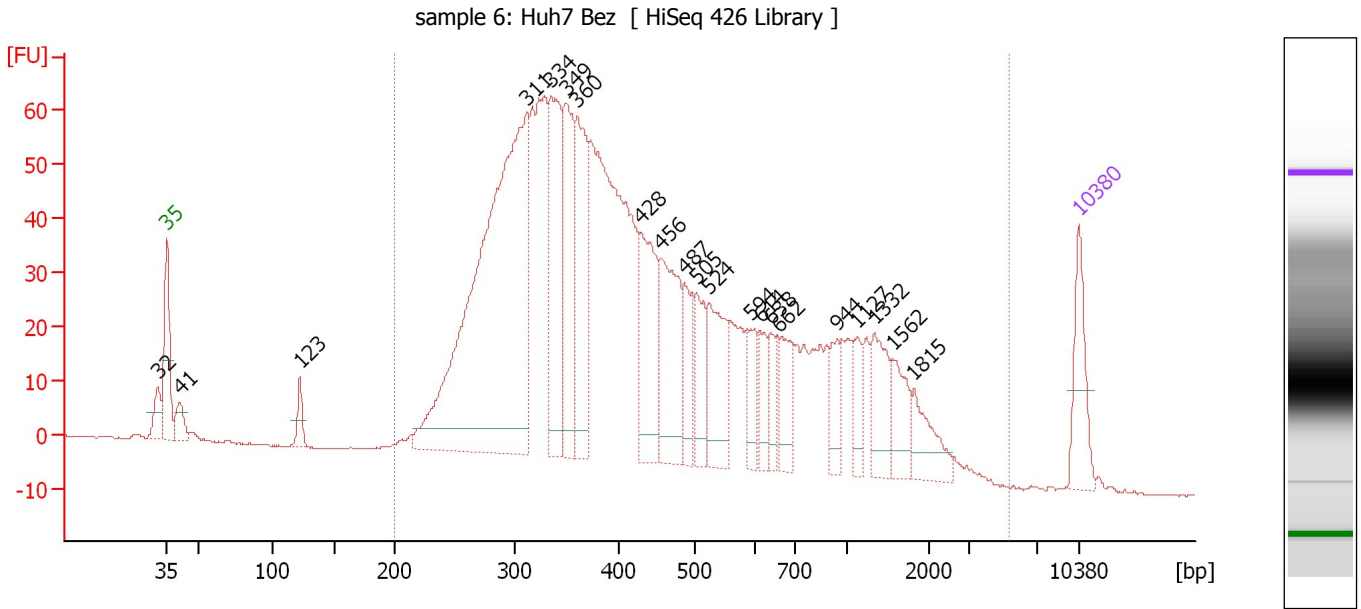
Region table for sample 5 : sample 5: Huh7 STS

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	2,662	453	2,532.0	17,147.3	4,026.78	97	64.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6: Huh7 Bez

Number of peaks found: 21 Corr. Area 1: 1,759.1
 Noise: 0.2

Peak table for sample 6 : sample 6: Huh7 Bez

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.25
2	35	125.00	5,411.3	Lower Marker	43.00
3	41	46.97	1,737.8		43.95
4	123	39.06	482.8		53.21
5	311	1,108.69	5,397.4		70.63
6	334	276.38	1,252.8		72.47
7	349	225.72	981.2		73.62
8	360	221.02	930.9		74.51
9	428	195.11	690.5		79.34
10	456	203.70	676.9		80.94
11	487	75.73	235.5		82.73
12	505	83.76	251.5		83.68
13	524	134.71	389.6		84.57
14	594	48.11	122.7		87.86
15	614	43.30	106.9		88.55
16	638	46.47	110.4		89.30
17	662	71.34	163.3		90.05
18	944	45.30	72.7		94.48
19	1,127	38.55	51.8		96.02
20	1,332	82.16	93.4		97.32
21	1,562	58.85	57.1		98.76
22	1,815	61.00	50.9		100.35
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...

... Region table for sample 6 :

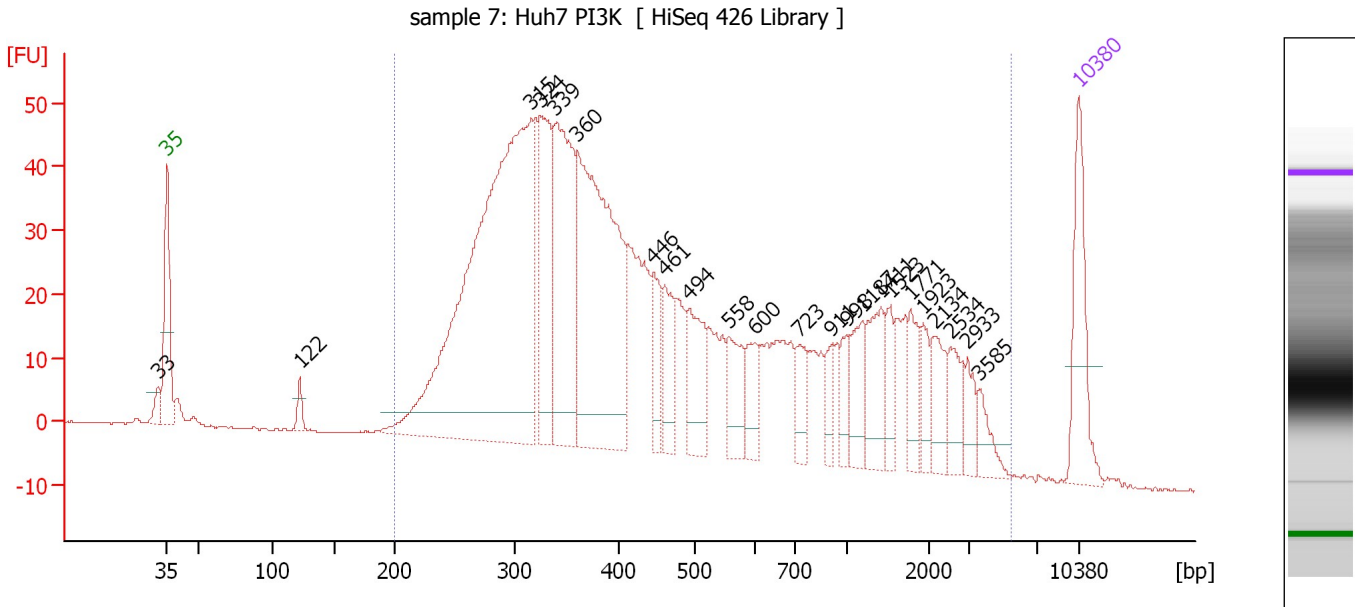
sample 6: Huh7 Bez

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	5,322	550	1,759.1	18,124.8	4,643.59	97	73.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7: Huh7 PI3K

Number of peaks found: 23 Corr. Area 1: 1,501.8
 Noise: 0.2

Peak table for sample 7 : sample 7: Huh7 PI3K

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.30
2	35	125.00	5,411.3	Lower Marker	43.00
3	122	17.66	219.2		53.16
4	315	847.05	4,070.0		70.96
5	324	174.98	818.0		71.66
6	339	238.89	1,069.1		72.82
7	360	421.76	1,775.4		74.53
8	446	46.42	157.7		80.36
9	461	60.94	200.4		81.22
10	494	78.52	240.7		83.13
11	558	54.65	148.5		86.15
12	600	36.69	92.7		88.11
13	723	33.18	69.6		91.53
14	911	21.65	36.0		94.04
15	998	24.30	36.9		95.20
16	1,187	43.75	55.8		96.41
17	1,411	53.39	57.3		97.81
18	1,523	27.06	26.9		98.52
19	1,771	32.00	27.4		100.08
20	1,923	25.83	20.3		101.03
21	2,134	35.08	24.9		101.94
22	2,534	34.65	20.7		103.19
23	2,933	23.39	12.1		104.45
24	3,585	21.06	8.9		105.41
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...

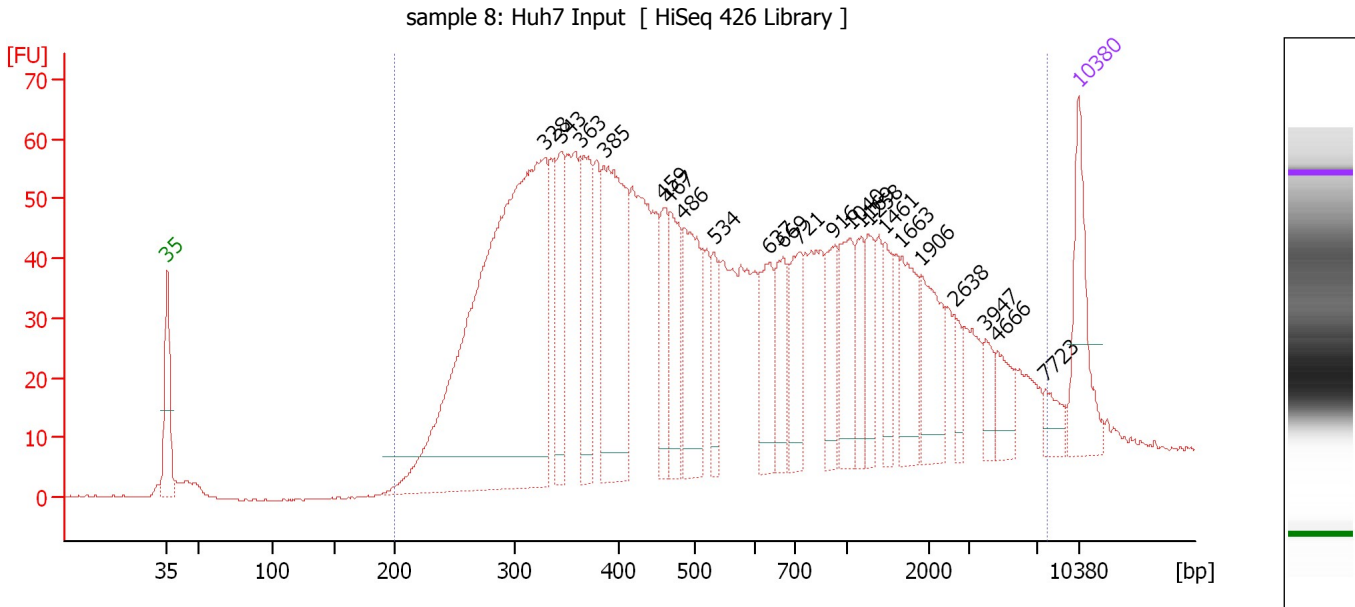
... Region table for sample 7 : sample 7: Huh7 PI3K

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	5,490	725	1,501.8	11,417.5	2,983.17	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8: Huh7 Input

Number of peaks found: 22 Corr. Area 1: 2,074.6
 Noise: 0.2

Peak table for sample 8 : sample 8: Huh7 Input

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	328	919.87	4,255.1		71.94
3	343	107.57	474.5		73.21
4	363	135.36	565.7		74.74
5	385	248.00	974.9		76.57
6	459	68.92	227.5		81.11
7	467	89.90	291.7		81.57
8	486	130.15	406.1		82.64
9	534	48.27	137.0		85.03
10	637	70.04	166.7		89.26
11	669	62.05	140.4		90.28
12	721	66.35	139.5		91.50
13	916	54.51	90.2		94.10
14	1,040	70.80	103.2		95.47
15	1,169	40.54	52.5		96.29
16	1,258	43.14	52.0		96.85
17	1,461	39.32	40.8		98.12
18	1,663	66.65	60.7		99.40
19	1,906	72.66	57.8		100.93
20	2,638	19.64	11.3		103.52
21	3,947	20.89	8.0		105.87
22	4,666	33.50	10.9		106.78
23	7,723	19.70	3.9		110.45
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...

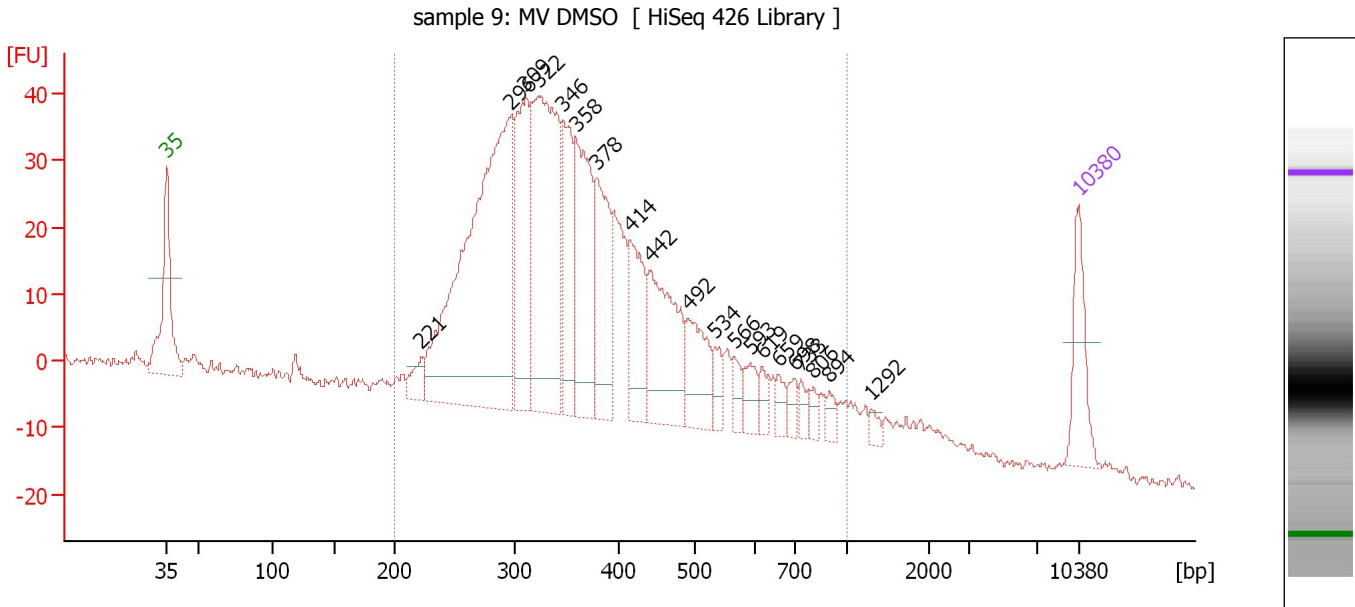
... Region table for sample 8 : sample 8: Huh7 Input

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	7,881	987	2,074.6	12,299.5	3,611.96	97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9: MV DMSO

Number of peaks found: 20 Corr. Area 1: 991.2
 Noise: 0.9

Peak table for sample 9 : sample 9: MV DMSO

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	221	35.60	243.7		62.50
3	296	839.96	4,298.6		69.37
4	309	267.30	1,308.7		70.49
5	322	484.68	2,283.8		71.46
6	346	167.14	732.5		73.39
7	358	228.51	965.9		74.41
8	378	183.35	734.6		75.99
9	414	132.90	486.5		78.53
10	442	203.38	697.9		80.11
11	492	109.89	338.2		83.01
12	534	28.53	80.9		85.05
13	566	26.98	72.3		86.53
14	593	33.75	86.2		87.80
15	619	21.76	53.3		88.72
16	659	20.88	48.0		89.94
17	698	20.82	45.2		91.16
18	733	19.29	39.9		91.67
19	806	14.01	26.3		92.64
20	894	16.55	28.1		93.81
21	1,292	10.85	12.7		97.07
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...

... Region table for sample 9 :

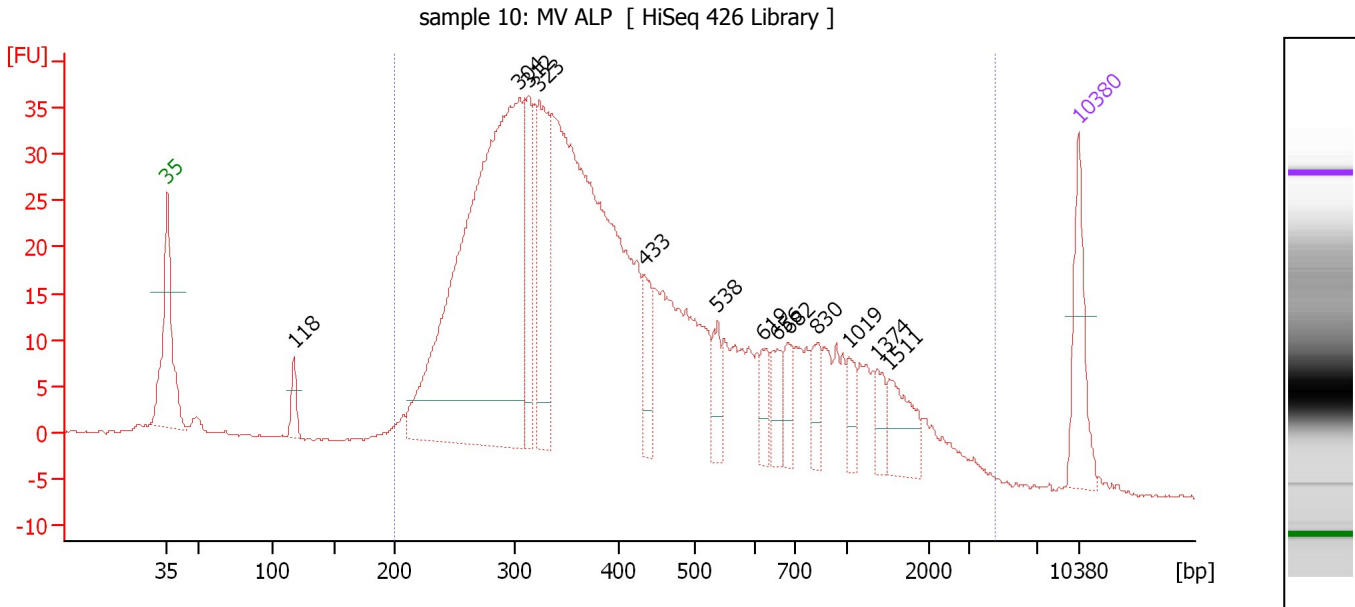
sample 9: MV DMSO

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	387	991.2	14,061.3	■ 3,183.07	89	34.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10: MV ALP

Number of peaks found: 13 Corr. Area 1: 994.9
 Noise: 0.1

Peak table for sample 10 : sample 10: MV ALP

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	118	32.81	422.3		52.74
3	304	1,033.92	5,156.6		70.04
4	312	135.85	659.7		70.70
5	323	221.95	1,041.8		71.56
6	433	66.99	234.4		79.62
7	538	43.75	123.1		85.25
8	619	33.85	82.9		88.70
9	656	36.54	84.4		89.87
10	682	31.72	70.4		90.68
11	830	34.09	62.2		92.96
12	1,019	26.00	38.6		95.35
13	1,374	26.30	29.0		97.58
14	1,511	57.23	57.4		98.44
15	10,380	75.00	10.9	Upper Marker	113.00

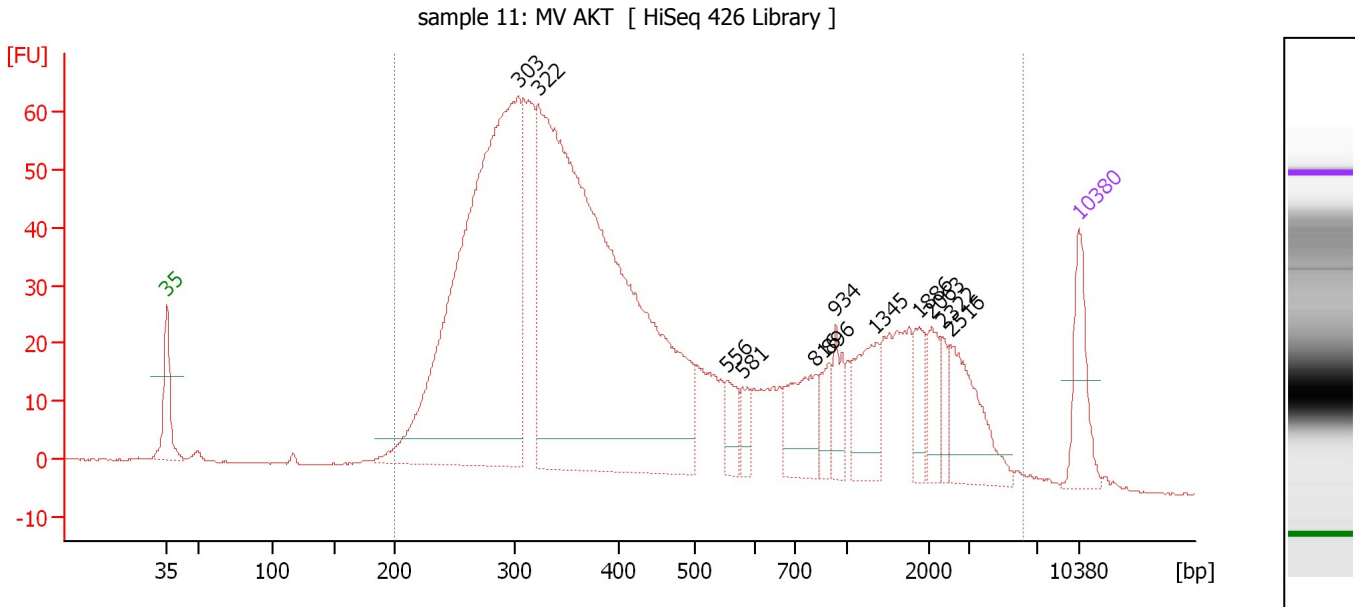
Region table for sample 10 : sample 10: MV ALP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	4,490	528	994.9	14,415.7	3,468.71	95	81.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11: MV AKT

Number of peaks found: 12 Corr. Area 1: 1,690.9
 Noise: 0.2

Peak table for sample 11 : sample 11: MV AKT

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	303	1,266.10	6,325.7		69.99
3	322	1,657.62	7,807.7		71.47
4	556	44.80	122.1		86.06
5	581	30.14	78.6		87.23
6	816	104.45	194.0		92.77
7	896	37.82	64.0		93.84
8	934	49.26	79.9		94.34
9	1,345	97.87	110.3		97.39
10	1,886	41.93	33.7		100.80
11	2,063	42.66	31.3		101.71
12	2,322	27.41	17.9		102.53
13	2,516	111.05	66.9		103.14
14	10,380	75.00	10.9	Upper Marker	113.00

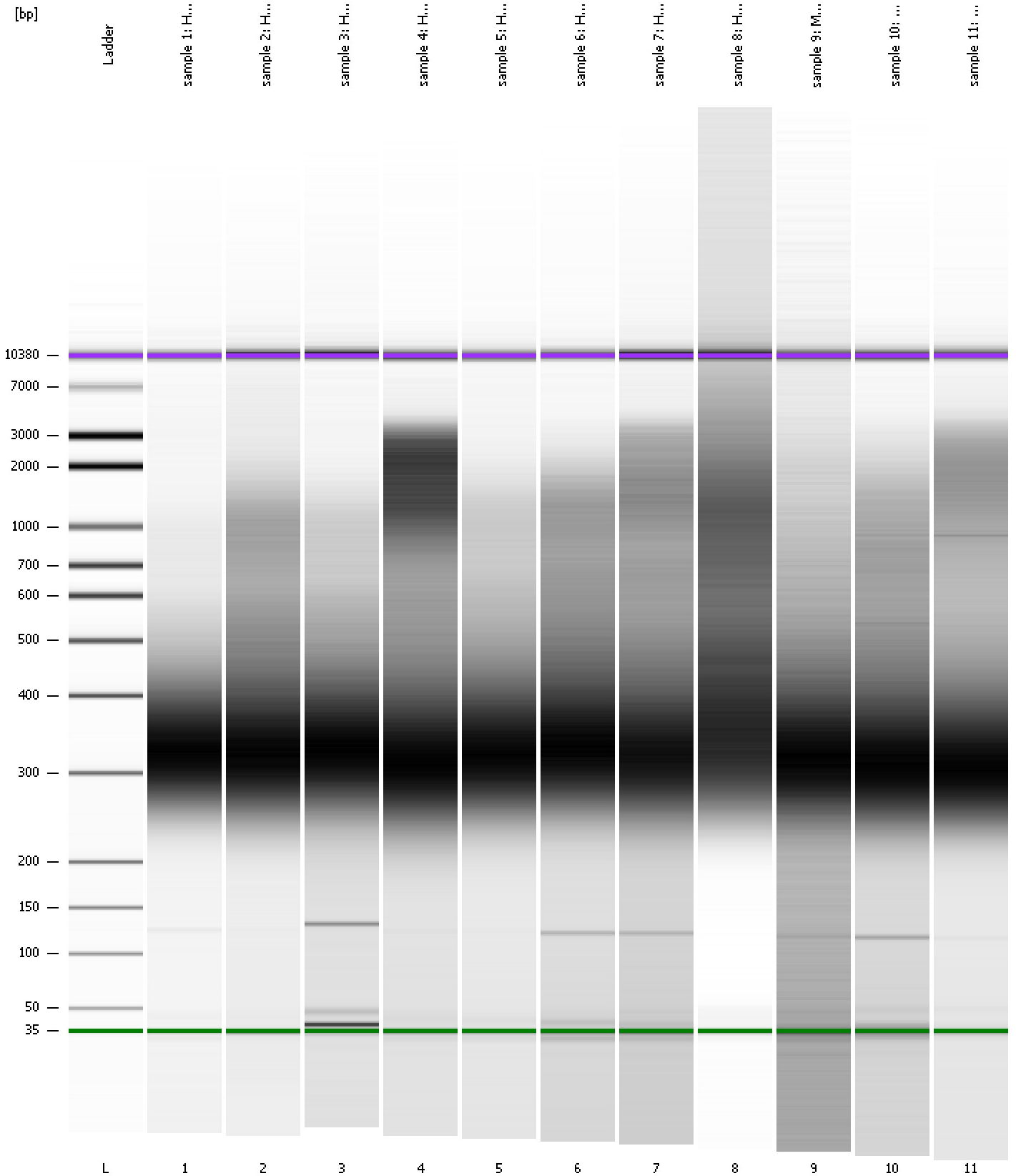
Region table for sample 11 : sample 11: MV AKT

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	6,189	736	1,690.9	16,731.1	4,160.70	97	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Gel Image

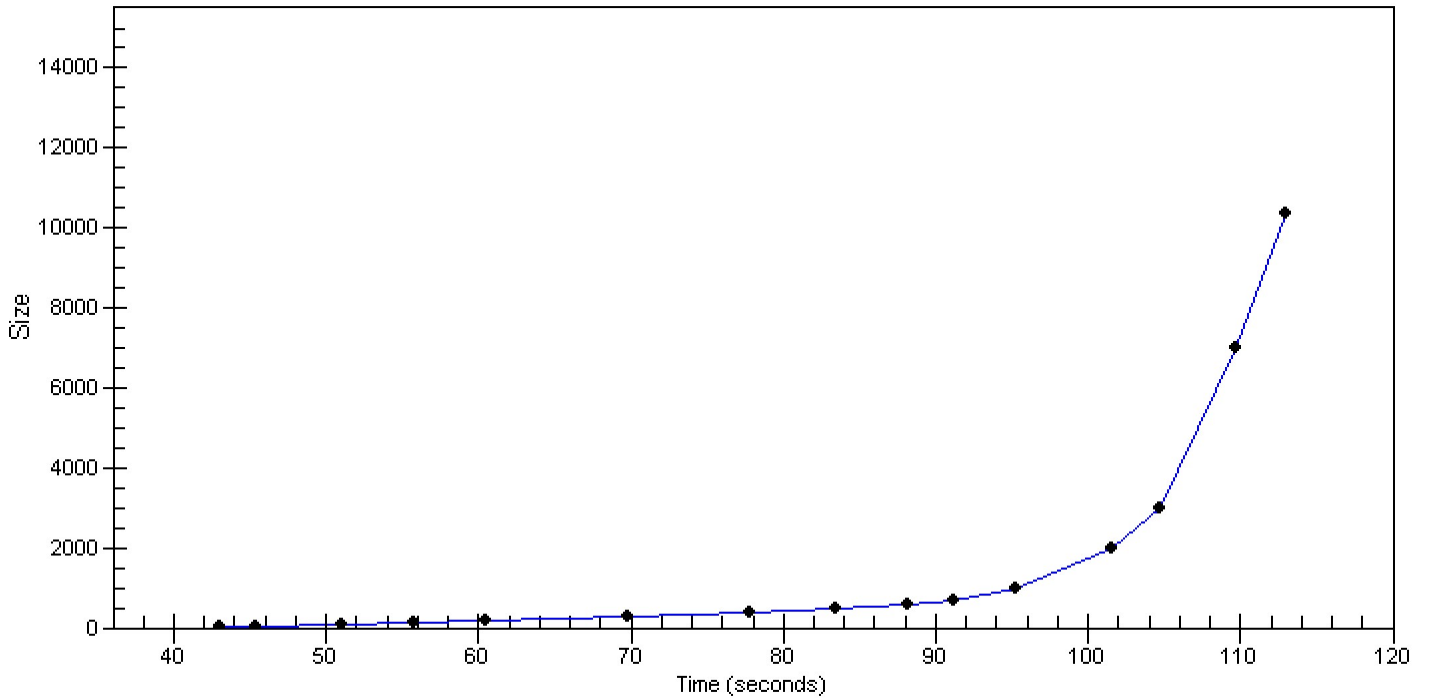


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
Modified: 4/7/2016 5:11:09 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-07\2016-04-07_002.xad

Created: 4/7/2016 4:28:06 PM
 Modified: 4/7/2016 5:11:09 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		4/7/2016 5:09:22 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\2016-04-07\2016-04-07_002.xad)		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/7/2016 4:28:11 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1