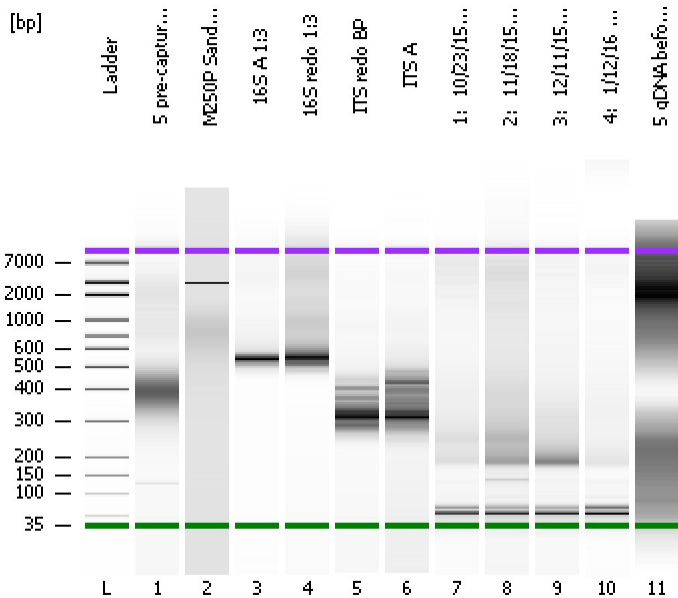


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

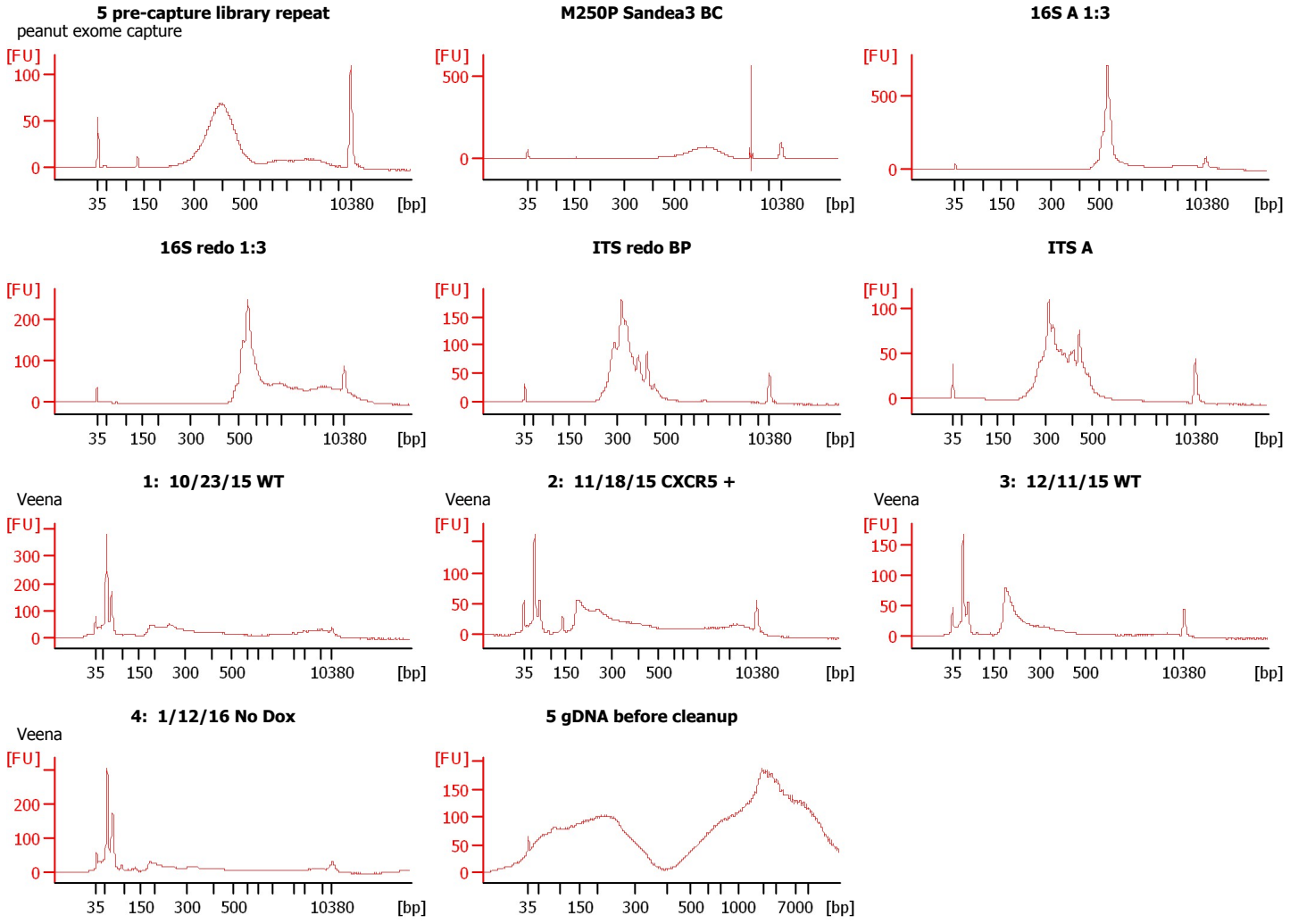
**Electrophoresis File Run Summary**



**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\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
Modified: 3/24/2016 3:40:11 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
5 pre-capture library repeat	peanut exome capture	<input type="checkbox"/>	✓			
M250P Sandea3 BC		<input type="checkbox"/>	✓			
16S A 1:3		<input type="checkbox"/>	✓			
16S redo 1:3		<input type="checkbox"/>	✓			
ITS redo BP		<input type="checkbox"/>	✓			
ITS A		<input type="checkbox"/>	✓			
1: 10/23/15 WT	Veena	<input type="checkbox"/>	✓			
2: 11/18/15 CXCR5 +	Veena	<input type="checkbox"/>	✓			
3: 12/11/15 WT	Veena	<input type="checkbox"/>	✓			
4: 1/12/16 No Dox	Veena	<input type="checkbox"/>	✓			
5 gDNA before cleanup		<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\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
Modified: 3/24/2016 3:40:11 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

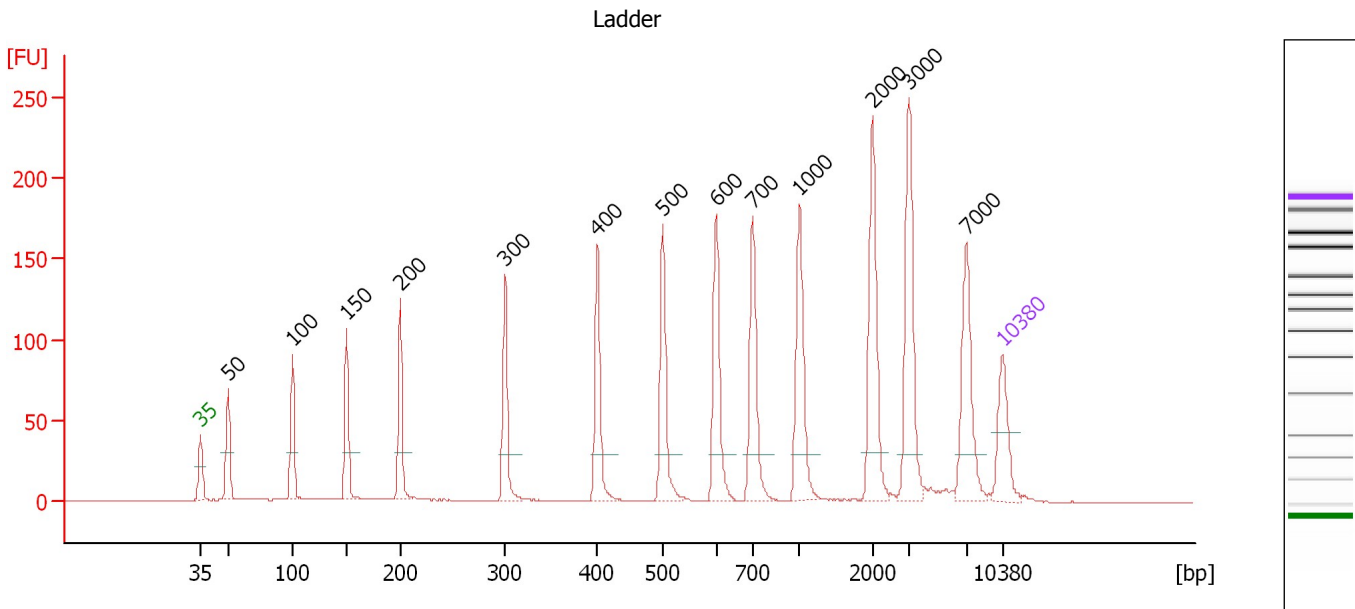
**Ladder**

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\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

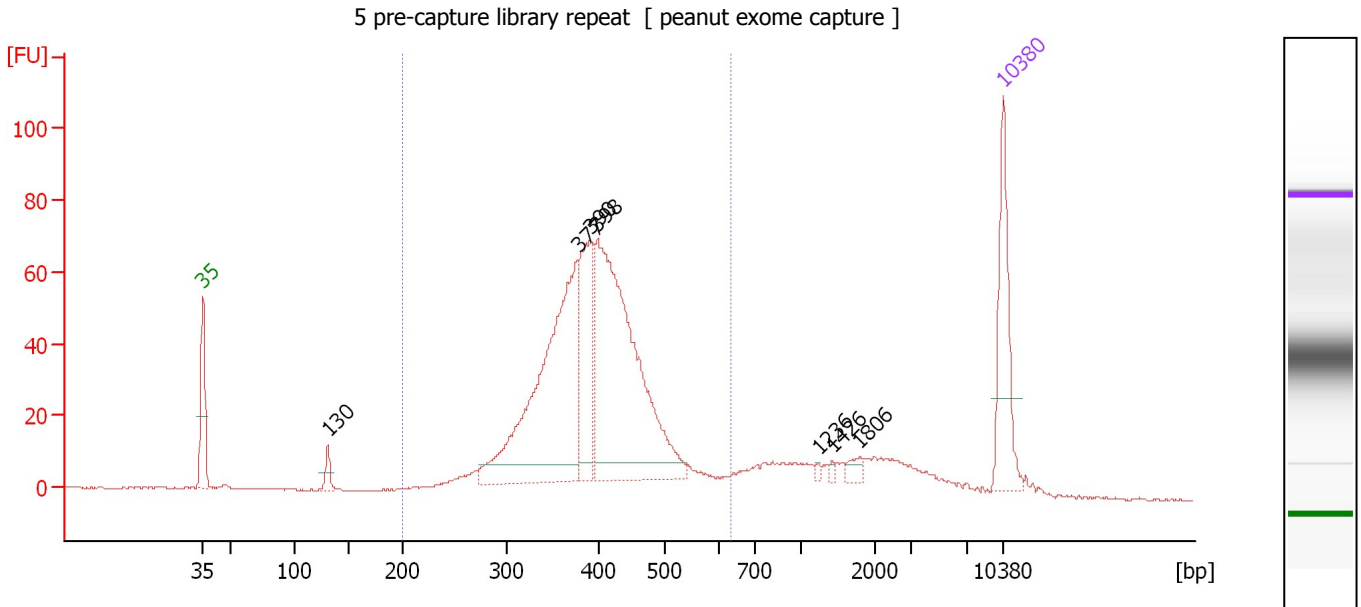
**Peak table for Ladder**

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	45.42
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.75
5	200	150.00	1,136.4	Ladder Peak	60.45
6	300	150.00	757.6	Ladder Peak	69.62
7	400	150.00	568.2	Ladder Peak	77.67
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	88.05
10	700	150.00	324.7	Ladder Peak	91.22
11	1,000	150.00	227.3	Ladder Peak	95.31
12	2,000	150.00	113.6	Ladder Peak	101.69
13	3,000	150.00	75.8	Ladder Peak	104.86
14	7,000	150.00	32.5	Ladder Peak	109.88
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 5 pre-capture library repeat**

Number of peaks found: 7                      Corr. Area 1: 916.4  
 Noise: 0.2

**Peak table for sample 1 : 5 pre-capture library repeat**

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	130	16.89	196.3		53.91
3	377	353.86	1,423.9		75.78
4	390	120.76	469.3		76.86
5	398	388.04	1,477.4		77.51
6	1,236	2.73	3.4		96.82
7	1,426	2.94	3.1		98.03
8	1,806	8.83	7.4		100.46
9	10,380	75.00	10.9	Upper Marker	113.00

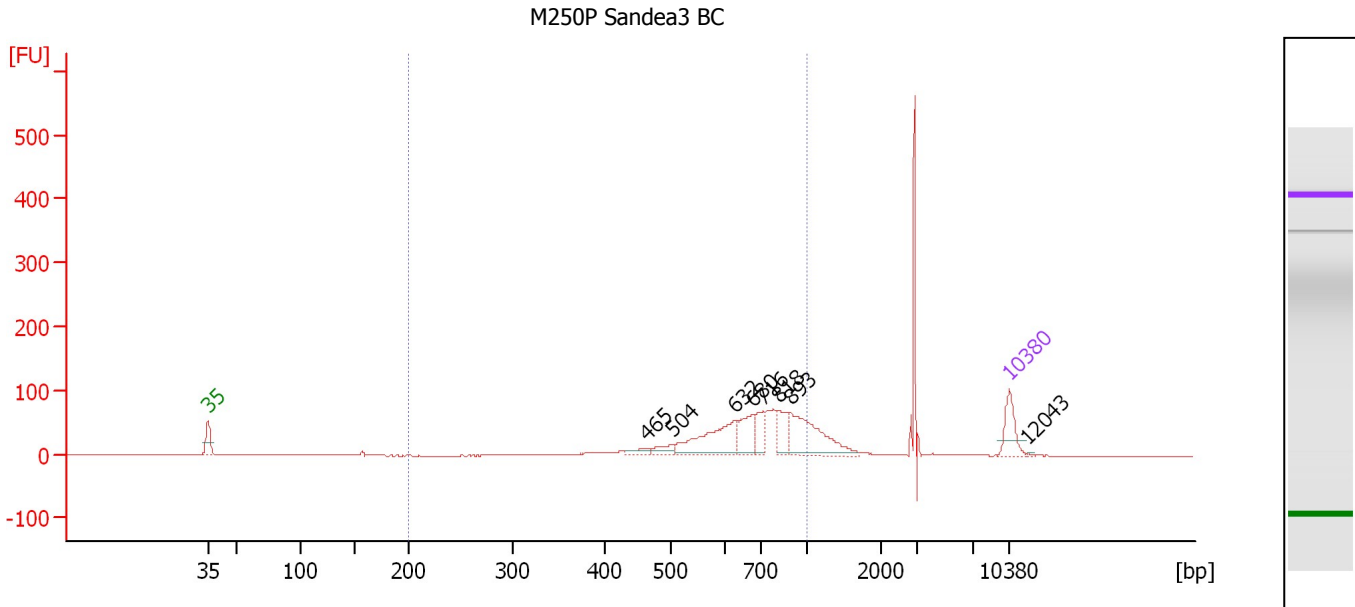
**Region table for sample 1 : 5 pre-capture library repeat**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	635	397	916.4	4,144.1	1,044.98	82	16.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : M250P Sandea3 BC**

Number of peaks found: 8                      Corr. Area 1: 750.9  
 Noise: 0.3

**Peak table for sample 2 : M250P Sandea3 BC**

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	465	22.54	73.5		81.35
3	504	36.36	109.3		83.53
4	632	216.37	518.8		89.06
5	680	101.30	225.6		90.60
6	716	70.08	148.3		91.43
7	818	74.90	138.8		92.83
8	893	230.30	390.8		93.85
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,043	0.00	0.0		114.53

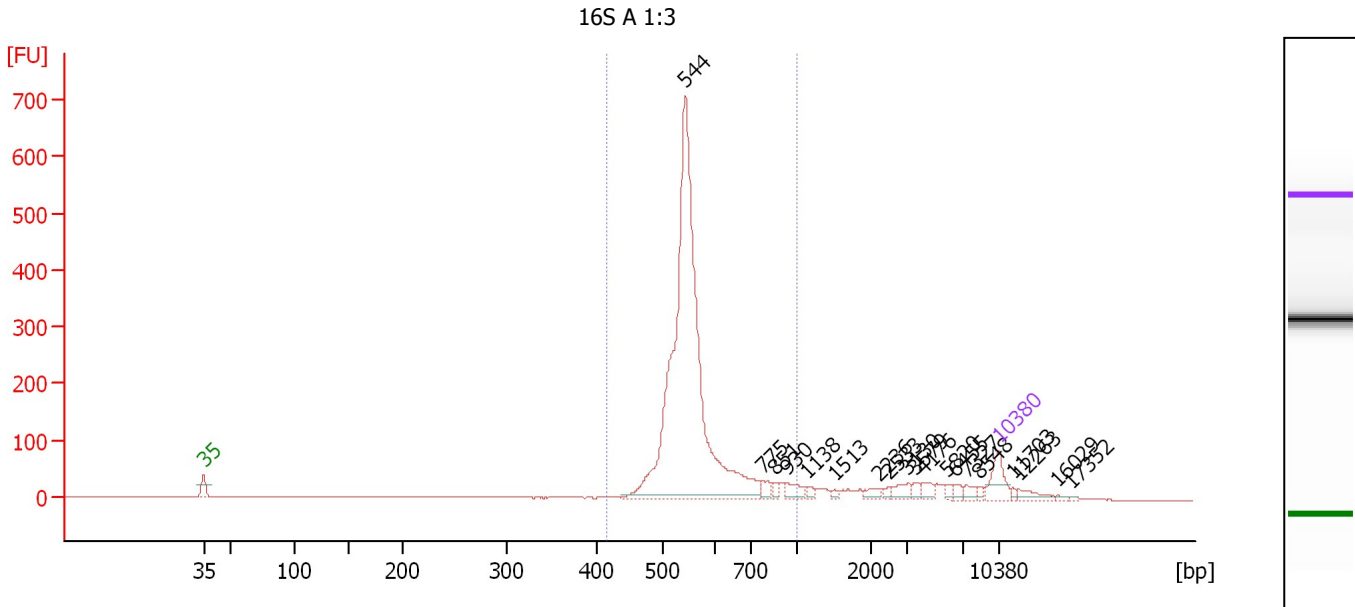
**Region table for sample 2 : M250P Sandea3 BC**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	688	750.9	1,891.8	798.96	72	22.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 16S A 1:3**

Number of peaks found: 19                      Corr. Area 1: 2,168.5  
 Noise: 0.4

**Peak table for sample 3 : 16S A 1:3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	544	2,149.01	5,980.6		85.44
3	775	29.67	58.0		92.25
4	851	19.83	35.3		93.28
5	930	42.61	69.4		94.36
6	1,138	13.49	18.0		96.19
7	1,513	8.69	8.7		98.59
8	2,236	23.05	15.6		102.44
9	2,533	12.19	7.3		103.38
10	3,130	35.65	17.3		105.02
11	3,579	17.52	7.4		105.58
12	4,176	24.96	9.1		106.33
13	5,820	14.66	3.8		108.40
14	6,455	18.91	4.4		109.20
15	7,327	19.56	4.0		110.18
16	8,548	10.83	1.9		111.31
17	10,380	75.00	10.9	Upper Marker	113.00
18	11,703	0.00	0.0		114.22
19	12,263	0.00	0.0		114.74
20	16,029	0.00	0.0		118.21
21	17,352	0.00	0.0		119.43

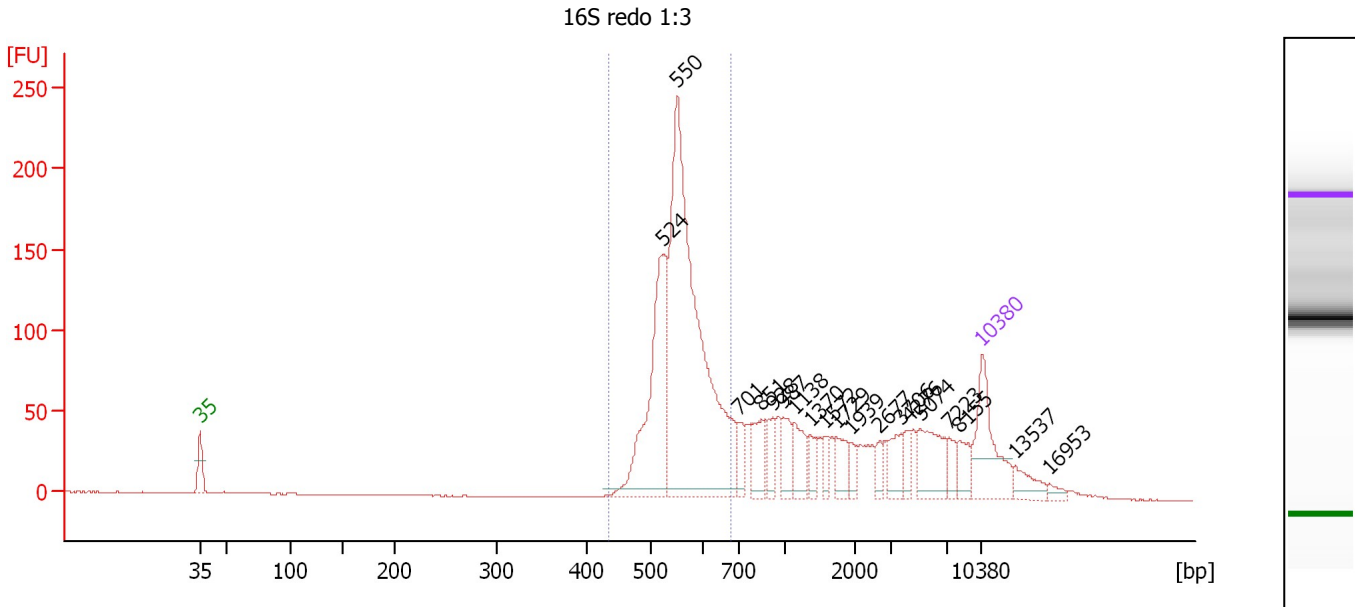
**Region table for sample 3 : 16S A 1:3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
415	1,000	569	2,168.5	6,137.9	2,259.58	79	15.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 16S redo 1:3**

Number of peaks found: 19                      Corr. Area 1: 1,115.3  
 Noise: 0.2

**Peak table for sample 4 : 16S redo 1:3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	524	239.84	693.1		84.49
3	550	588.53	1,622.2		85.69
4	701	22.19	48.0		91.23
5	851	44.45	79.1		93.28
6	928	23.83	38.9		94.33
7	987	31.98	49.1		95.14
8	1,138	37.33	49.7		96.19
9	1,370	17.69	19.6		97.67
10	1,572	13.84	13.3		98.96
11	1,729	26.53	23.2		99.96
12	1,939	14.04	11.0		101.30
13	2,677	11.33	6.4		103.83
14	3,706	25.96	10.6		105.74
15	4,276	17.82	6.3		106.46
16	5,074	56.70	16.9		107.46
17	7,223	15.27	3.2		110.09
18	8,155	22.54	4.2		110.95
19	10,380	75.00	10.9	Upper Marker	113.00
20	13,537	0.00	0.0		115.91
21	16,953	0.00	0.0		119.06

**Region table for sample 4 : 16S redo 1:3**

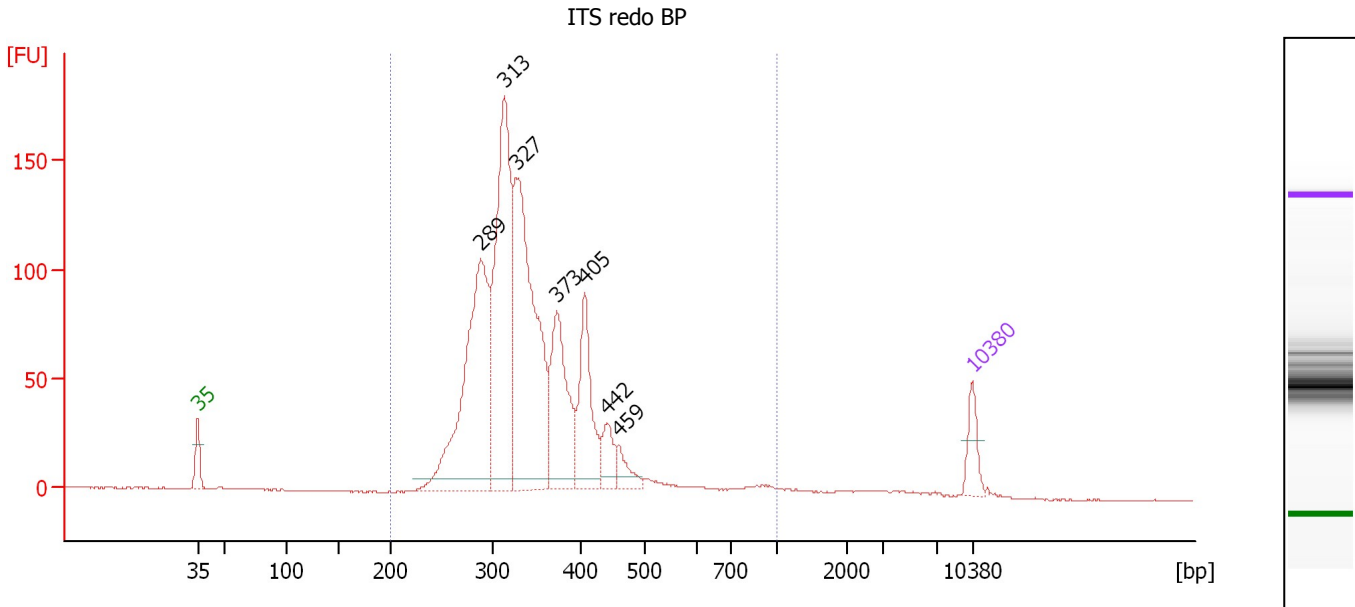
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
434	677	558	1,115.3	2,161.0	789.38	55	8.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : ITS redo BP**

Number of peaks found: 7                      Corr. Area 1: 1,768.5  
 Noise: 0.2

**Peak table for sample 5 : ITS redo BP**

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	289	1,105.51	5,802.9		68.58
3	313	1,072.20	5,183.6		70.70
4	327	1,174.03	5,437.2		71.81
5	373	467.13	1,899.4		75.47
6	405	342.13	1,279.0		77.98
7	442	104.65	358.9		80.05
8	459	73.14	241.5		81.01
9	10,380	75.00	10.9	Upper Marker	113.00

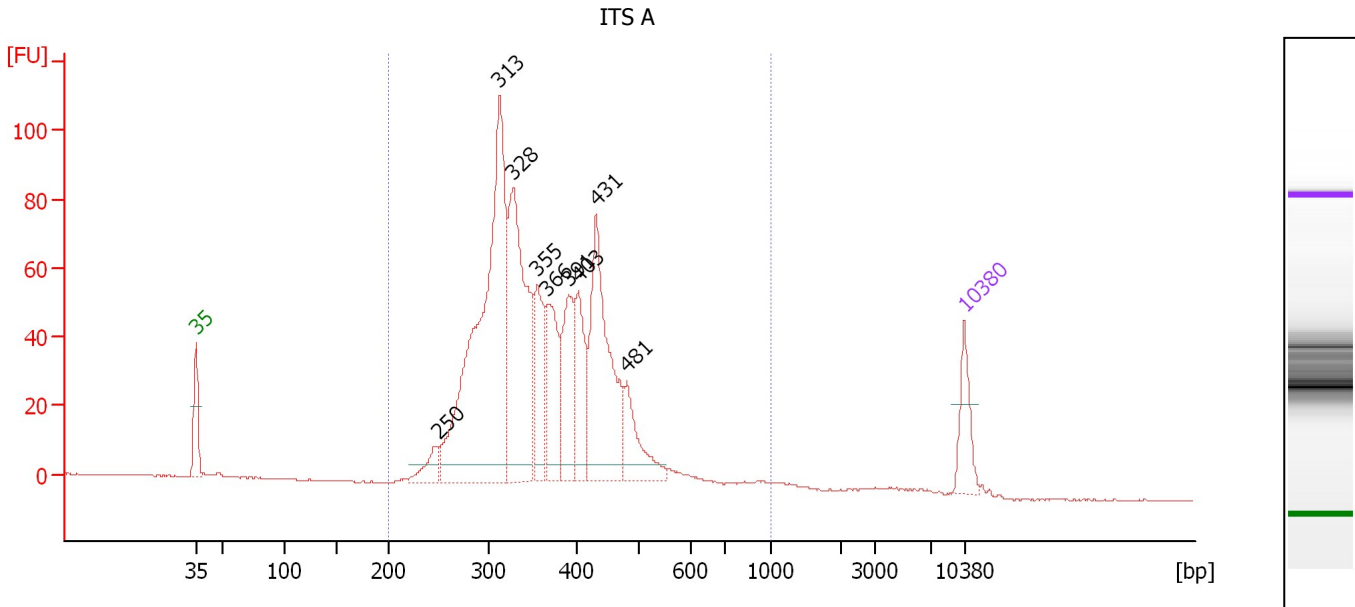
**Region table for sample 5 : ITS redo BP**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	349	1,768.5	20,747.2	4,549.61	97	24.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : ITS A**

Number of peaks found: 9                      Corr. Area 1: 1,300.7  
 Noise: 0.2

**Peak table for sample 6 : ITS A**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	250	63.29	384.1		65.01
3	313	1,099.93	5,330.5		70.64
4	328	587.45	2,715.9		71.85
5	355	178.88	762.4		74.09
6	366	210.47	871.9		74.92
7	391	197.85	766.5		76.96
8	403	173.10	651.2		77.83
9	431	450.10	1,582.4		79.43
10	481	134.69	424.6		82.25
11	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 6 : ITS A**

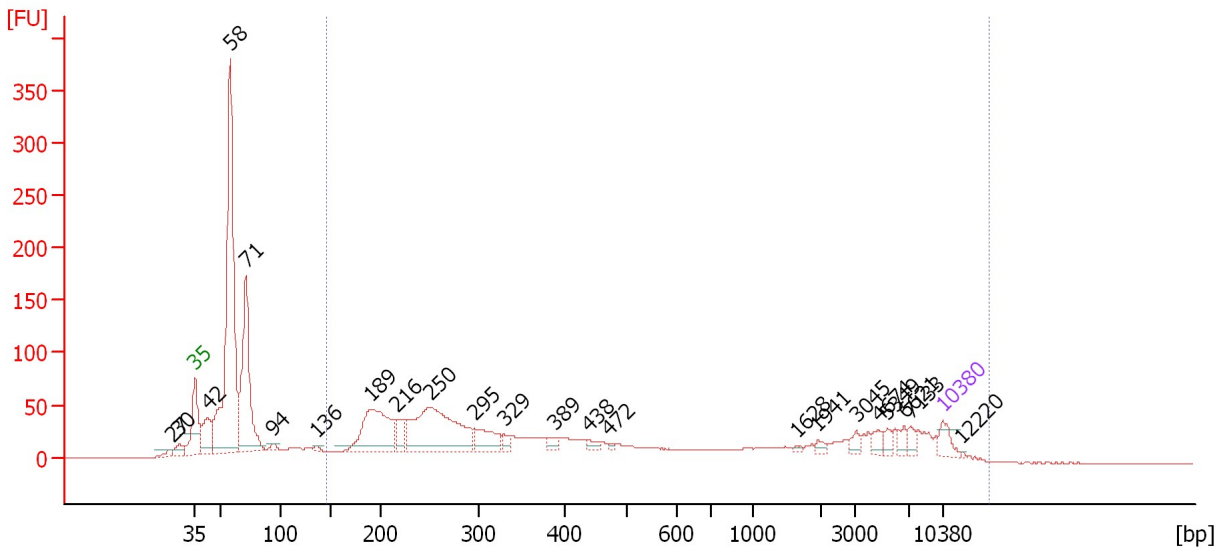
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	371	1,300.7	14,341.3	3,307.98	97	23.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**

1: 10/23/15 WT [ Veena ]



**Overall Results for sample 7 : 1: 10/23/15 WT**

Number of peaks found: 23                      Corr. Area 1: 1,609.0  
 Noise: 0.2

**Peak table for sample 7 : 1: 10/23/15 WT**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	27	0.00	0.0		40.80
2	30	0.00	0.0		41.50
3	35	125.00	5,411.3	Lower Marker	43.00
4	42	315.33	11,260.9		44.20
5	58	2,720.45	71,350.9		46.30
6	71	1,176.55	25,083.7		47.79
7	94	30.00	485.3		50.34
8	136	21.45	239.0		54.43
9	189	756.30	6,060.5		59.43
10	216	135.85	952.8		61.92
11	250	1,014.04	6,137.5		65.07
12	295	223.09	1,145.8		69.16
13	329	50.44	232.3		71.96
14	389	51.96	202.6		76.75
15	438	36.87	127.5		79.85
16	472	15.24	49.0		81.74
17	1,628	12.34	11.5		99.32
18	1,941	24.53	19.1		101.32
19	3,045	40.49	20.1		104.91
20	4,674	53.14	17.2		106.96
21	5,349	38.15	10.8		107.81
22	6,621	45.30	10.4		109.41
23	7,133	42.84	9.1		110.00
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,220	0.00	0.0		114.70

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**

... Region table for sample 7 : 1: 10/23/15 WT

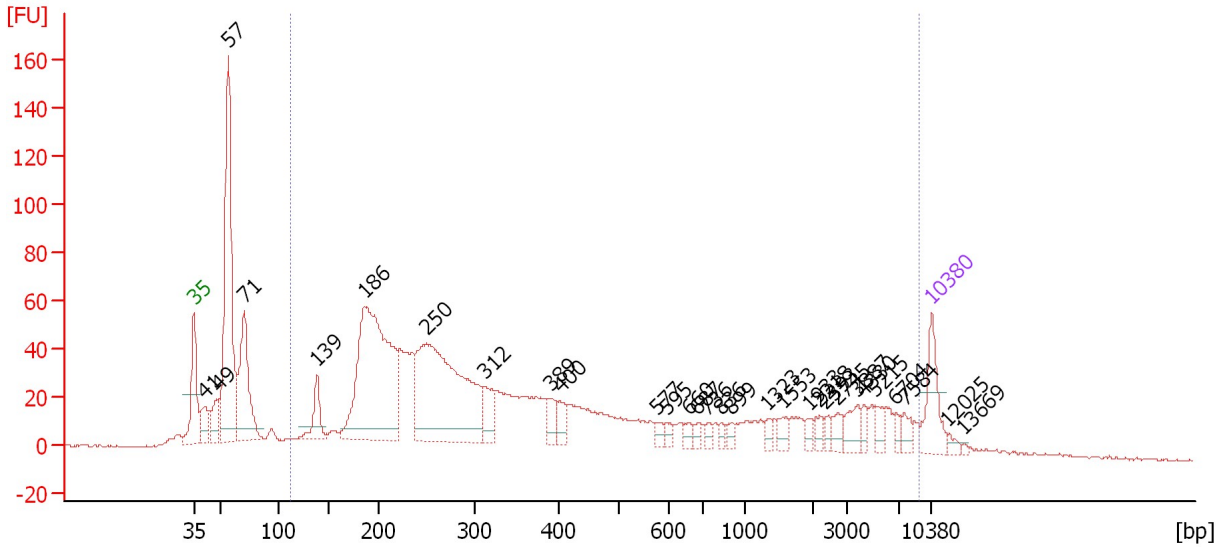
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
146	15,017	2,053	1,608.9	22,940.0	4,838.58	57	100.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**

2: 11/18/15 CXCR5 + [ Veena ]



**Overall Results for sample 8 : 2: 11/18/15 CXCR5 +**

Number of peaks found: 30                      Corr. Area 1: 1,639.6  
 Noise: 0.4

**Peak table for sample 8 : 2: 11/18/15 CXCR5 +**

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	41	74.32	2,749.4		43.96
3	49	74.06	2,285.1		45.28
4	57	646.66	17,113.7		46.24
5	71	277.16	5,937.7		47.75
6	139	78.92	862.6		54.68
7	186	722.14	5,883.5		59.13
8	250	639.95	3,876.1		65.05
9	312	67.67	328.9		70.57
10	389	38.27	149.1		76.79
11	400	37.00	140.0		77.70
12	577	16.20	42.6		86.95
13	595	13.48	34.3		87.81
14	660	16.37	37.6		89.94
15	687	13.80	30.4		90.80
16	736	13.63	28.1		91.71
17	836	11.40	20.7		93.07
18	899	15.27	25.7		93.93
19	1,323	13.54	15.5		97.37
20	1,553	21.14	20.6		98.84
21	1,933	13.67	10.7		101.27
22	2,218	15.06	10.3		102.38
23	2,393	11.69	7.4		102.93
24	2,745	22.75	12.6		104.05
25	3,887	33.29	13.0		105.97

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : 2: 11/18/15 CXCR5 +**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,330	15.13	5.3		106.53
27	5,215	22.02	6.4		107.64
28	6,704	12.87	2.9		109.51
29	7,584	19.52	3.9		110.42
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,025	0.00	0.0		114.52
32	13,669	0.00	0.0		116.03

**Region table for sample 8 : 2: 11/18/15 CXCR5 +**

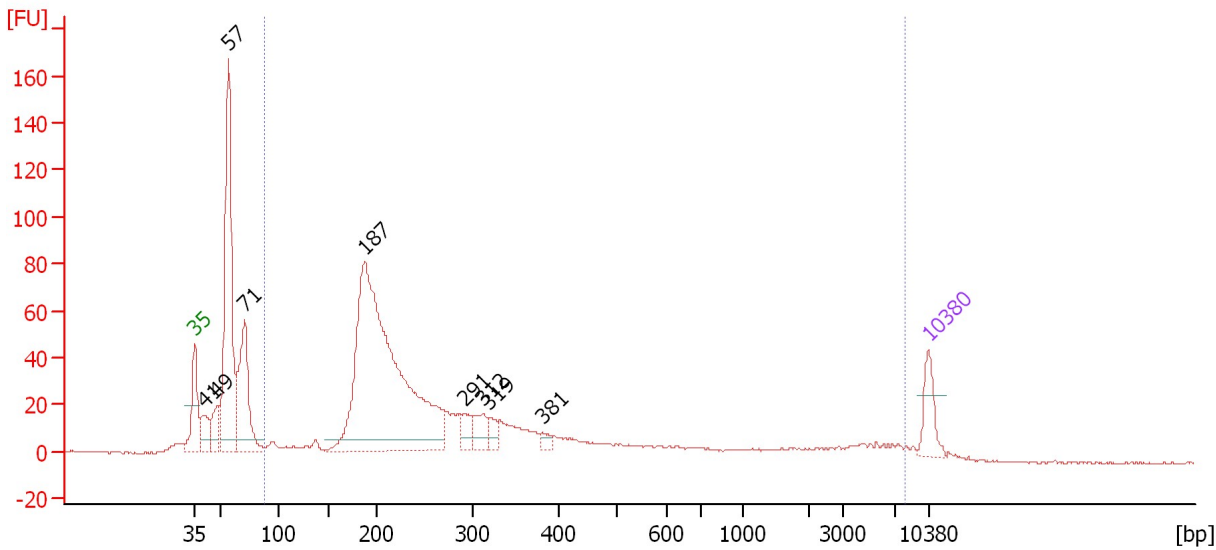
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
112	9,047	1,072	1,639.6	16,602.7	3,121.05	75	100.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 PM

**Electropherogram Summary Continued ...**

3: 12/11/15 WT [ Veena ]



**Overall Results for sample 9 : 3: 12/11/15 WT**

Number of peaks found: 9                      Corr. Area 1: 1,004.1  
 Noise: 0.4

**Peak table for sample 9 : 3: 12/11/15 WT**

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	41	107.93	4,020.3		43.92
3	49	109.59	3,419.5		45.19
4	57	908.19	23,965.0		46.26
5	71	428.05	9,138.8		47.78
6	187	1,823.06	14,773.7		59.23
7	291	58.82	306.3		68.79
8	312	76.04	369.5		70.57
9	319	40.93	194.6		71.13
10	381	22.65	90.0		76.17
11	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 9 : 3: 12/11/15 WT**

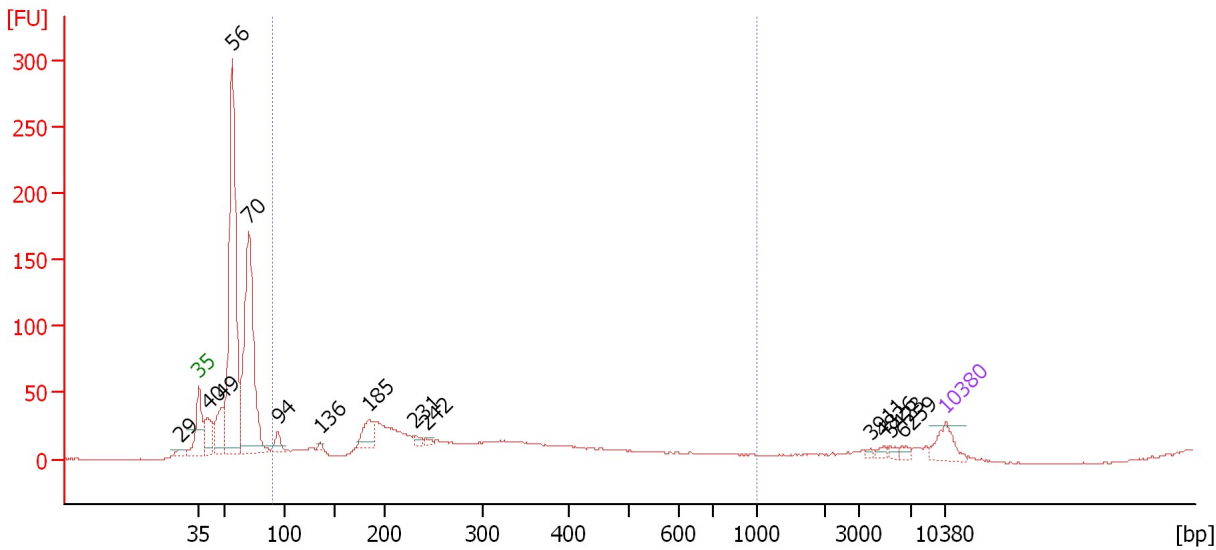
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
89	7,991	609	1,004.1	18,005.0	2,796.39	68	100.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

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**Electropherogram Summary Continued ...**

4: 1/12/16 No Dox [ Veena ]



**Overall Results for sample 10 : 4: 1/12/16 No Dox**

Number of peaks found: 14                      Corr. Area 1: 512.1  
 Noise: 0.4

**Peak table for sample 10 : 4: 1/12/16 No Dox**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	29	0.00	0.0		41.30
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	167.29	6,294.7		43.85
4	49	203.66	6,344.6		45.20
5	56	1,503.55	40,335.3		46.15
6	70	1,143.60	24,668.4		47.70
7	94	62.04	997.8		50.40
8	136	14.42	161.2		54.40
9	185	110.84	910.1		59.00
10	231	22.37	146.7		63.30
11	242	15.89	99.5		64.30
12	3,911	7.50	2.9		106.00
13	4,826	14.14	4.4		107.15
14	5,423	13.50	3.8		107.90
15	6,259	15.36	3.7		108.95
16	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 10 : 4: 1/12/16 No Dox**

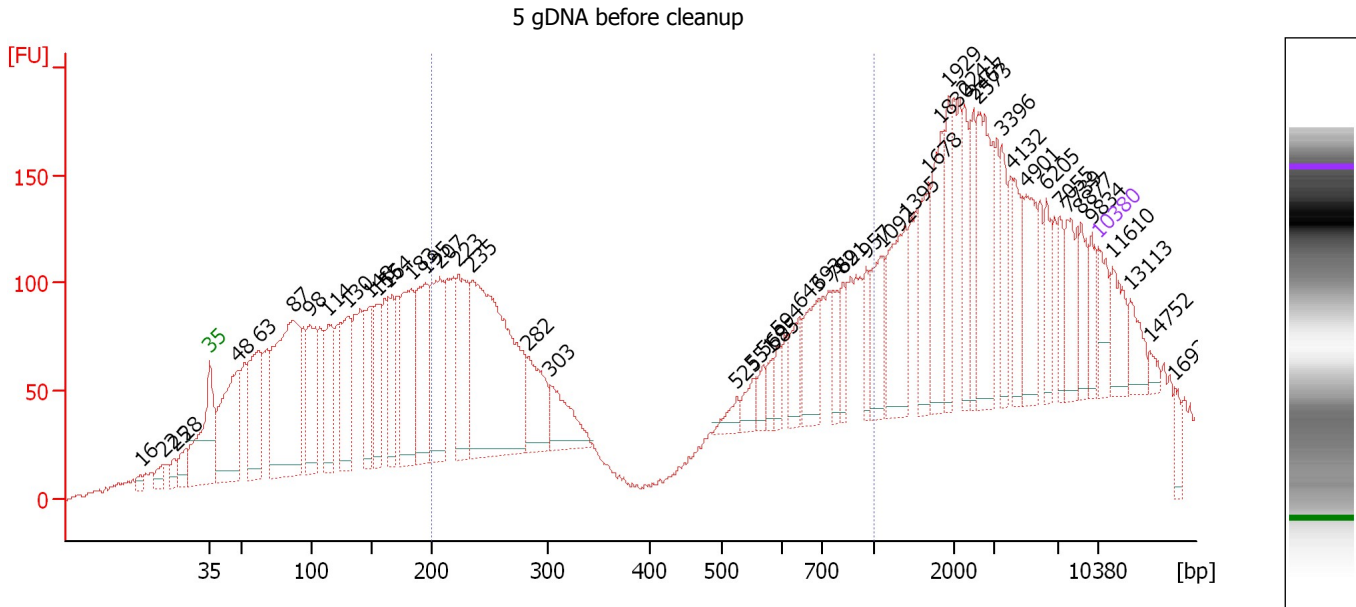
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
91	1,000	266	512.1	10,203.2	1,378.00	34	41.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 5 gDNA before cleanup**

Number of peaks found: 50                      Corr. Area 1: 1,923.5  
 Noise: 1.2

**Peak table for sample 11 : 5 gDNA before cleanup**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	16	0.00	0.0		37.58
2	22	0.00	0.0		39.26
3	25	0.00	0.0		40.23
4	28	0.00	0.0		41.11
5	35	125.00	5,411.3	Lower Marker	43.00
6	48	533.17	16,732.0		45.14
7	63	463.71	11,116.0		46.91
8	87	1,051.09	18,367.1		49.55
9	98	349.07	5,381.9		50.86
10	114	296.61	3,957.1		52.33
11	130	342.47	3,988.2		53.88
12	148	277.59	2,833.6		55.61
13	155	243.05	2,380.7		56.19
14	164	243.84	2,251.8		57.08
15	183	435.24	3,597.9		58.88
16	195	411.28	3,189.8		60.02
17	207	464.79	3,407.1		61.07
18	223	358.09	2,430.9		62.58
19	235	1,173.00	7,574.2		63.63
20	282	236.60	1,269.9		68.00
21	303	195.90	980.2		69.85
22	525	48.02	138.7		84.51
23	551	58.53	160.8		85.77
24	569	40.53	107.9		86.61
25	585	42.44	109.8		87.37

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : 5 gDNA before cleanup**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	594	45.87	117.1		87.75
27	643	99.34	233.9		89.43
28	693	150.32	328.8		90.98
29	769	73.37	144.6		92.16
30	821	73.50	135.6		92.87
31	957	68.50	108.5		94.72
32	1,092	137.63	191.0		95.90
33	1,395	238.00	258.5		97.83
34	1,678	138.56	125.1		99.64
35	1,830	204.25	169.1		100.61
36	1,929	130.67	102.7		101.24
37	2,241	109.60	74.1		102.45
38	2,467	115.11	70.7		103.17
39	2,573	260.56	153.4		103.50
40	3,396	94.73	42.3		105.35
41	4,132	113.98	41.8		106.28
42	4,901	157.69	48.8		107.24
43	6,205	78.01	19.0		108.88
44	7,055	68.37	14.7		109.93
45	7,739	111.75	21.9		110.56
46	8,877	88.93	15.2		111.61
47	9,834	50.87	7.8		112.50
48	10,380	75.00	10.9	Upper Marker	113.00
49	11,610	0.00	0.0		114.13
50	13,113	0.00	0.0		115.52
51	14,752	0.00	0.0		117.03
52	16,938	0.00	0.0		119.05

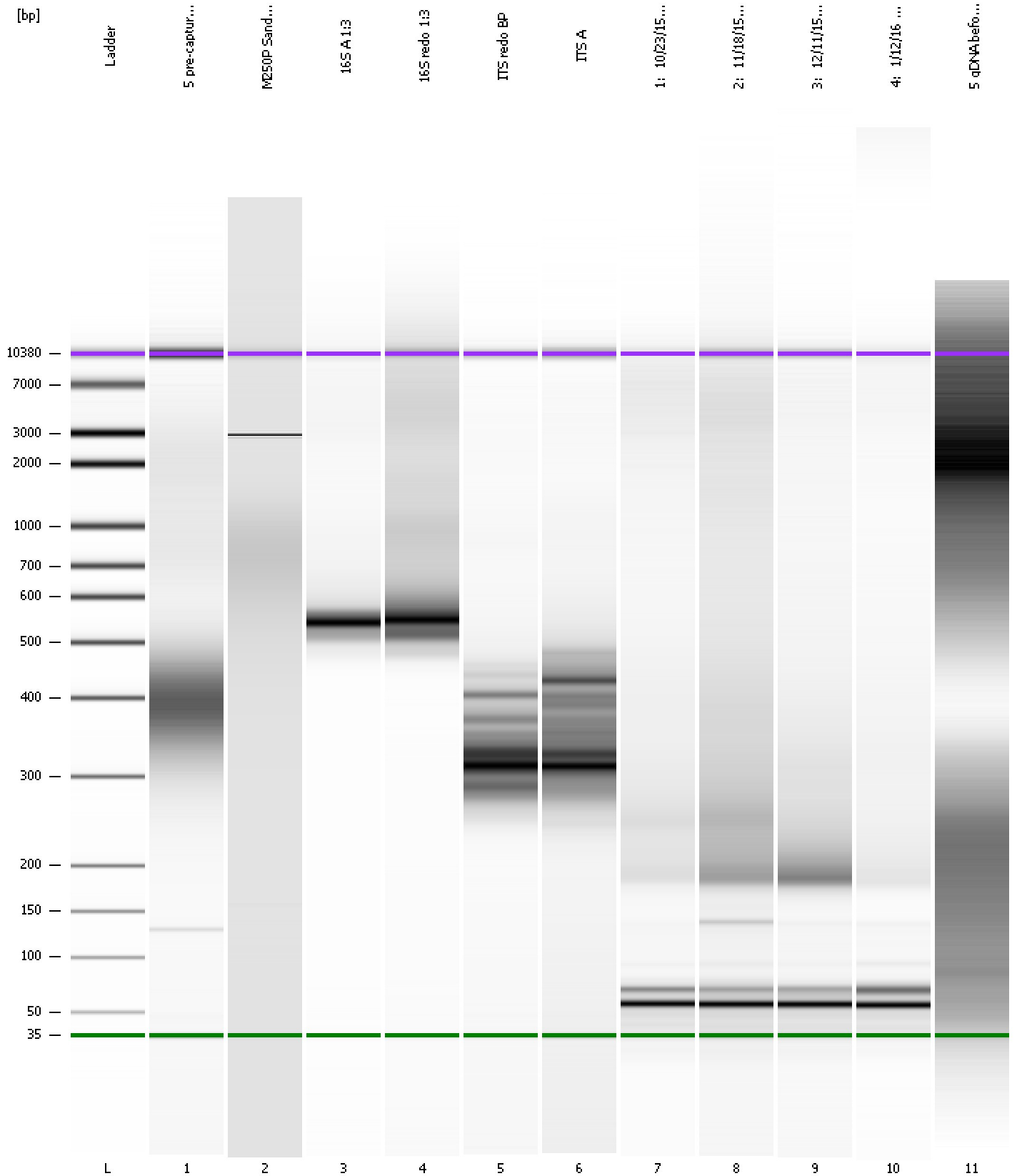
**Region table for sample 11 : 5 gDNA before cleanup**

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	467	1,923.5	19,684.8	4,030.59	29	54.8

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

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**Gel Image**

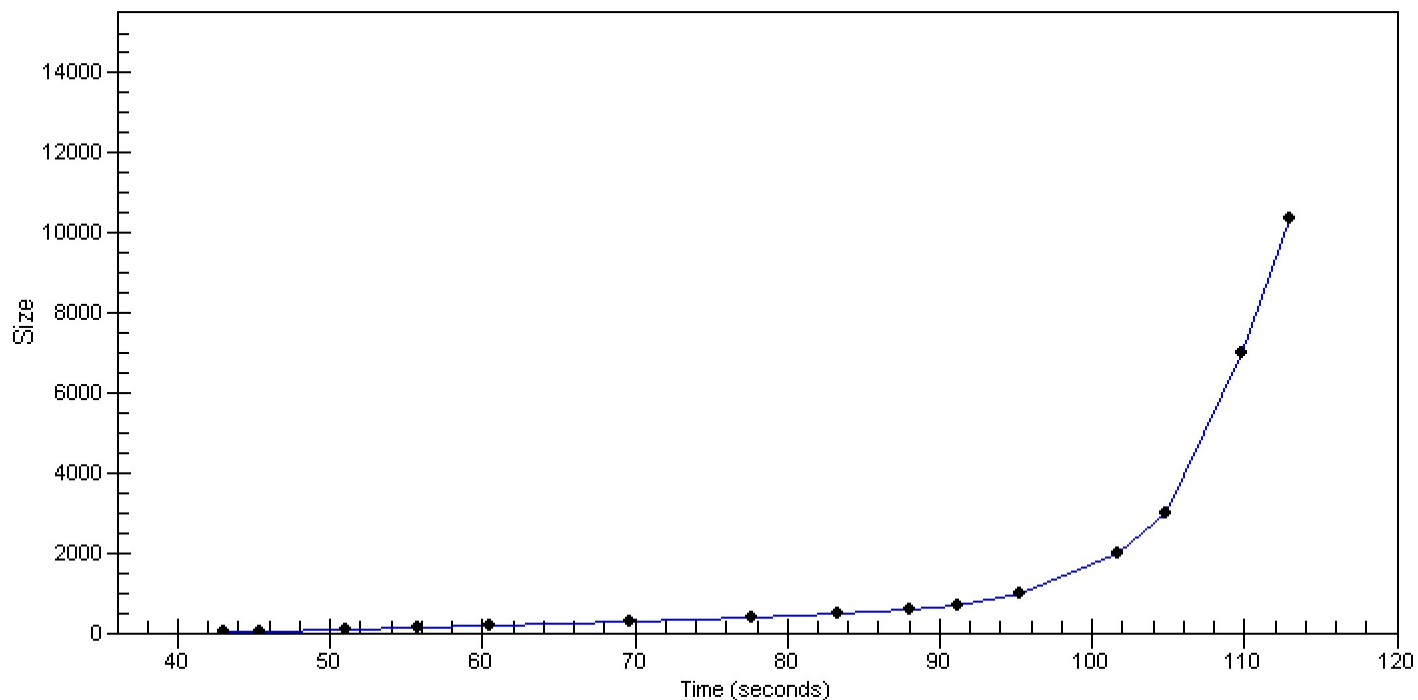


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-24\2016-03-24\_001.xad

Created: 3/24/2016 1:45:35 PM  
 Modified: 3/24/2016 3:40:11 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		3/24/2016 2:26:53 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\2016-03-24\2016-03-24_001.xad)		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/24/2016 1:45:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1