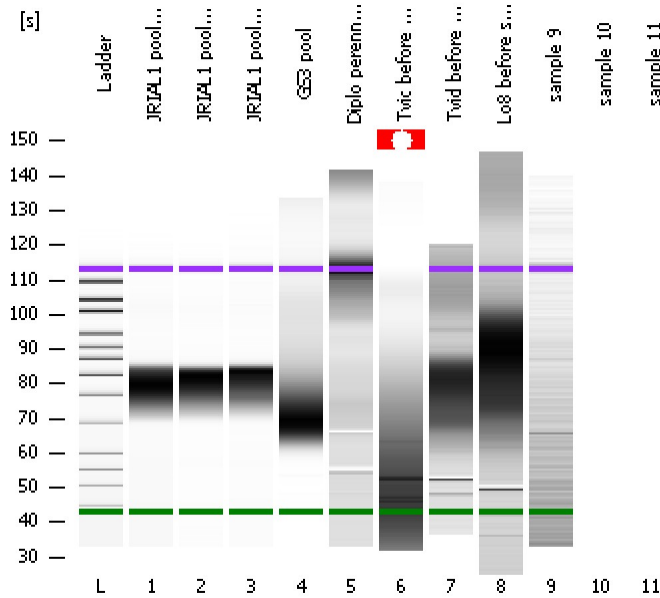


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
Modified: 4/21/2015 11:39:16 AM

Electrophoresis File Run Summary



Instrument Information:

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

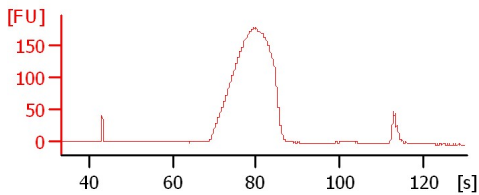
Assay Information:

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

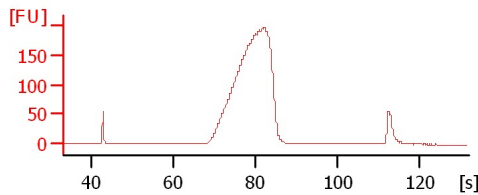
Chip Information:

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

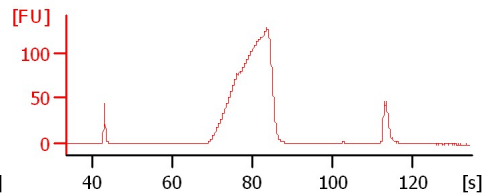
JRIAL1 pool1 300-650 dil2x



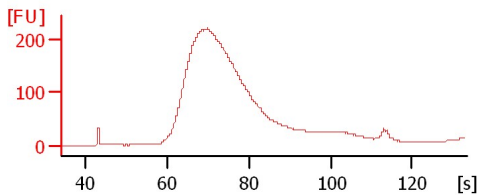
JRIAL1 pool2 300-650 dil2x



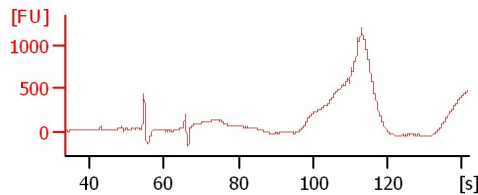
JRIAL1 pool3 300-650 dil2x



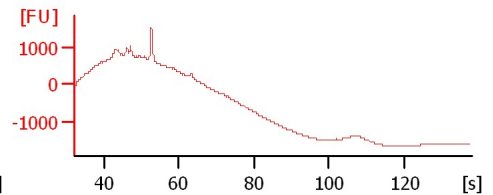
GS3 pool



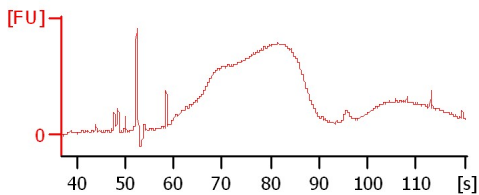
Diplo perennis before ss



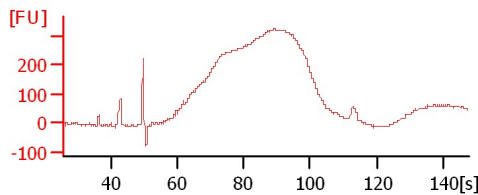
Tvic before size selec



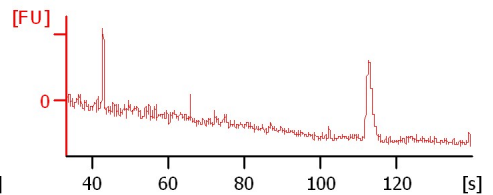
Tvid before size selec



Lo8 before size selec



sample 9



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JRIAL1 pool1 300-650 dil2x		<input type="checkbox"/>	✓			
JRIAL1 pool2 300-650 dil2x		<input type="checkbox"/>	✓			
JRIAL1 pool3 300-650 dil2x		<input type="checkbox"/>	✓			
GS3 pool		<input type="checkbox"/>	✓			
Diplo perennis before ss		<input type="checkbox"/>	✓			
Tvic before size selec		<input type="checkbox"/>	⚠			
Tvid before size selec		<input type="checkbox"/>	✓			
Lo8 before size selec		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<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\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
Modified: 4/21/2015 11:39:16 AM

**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] : 0.1  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

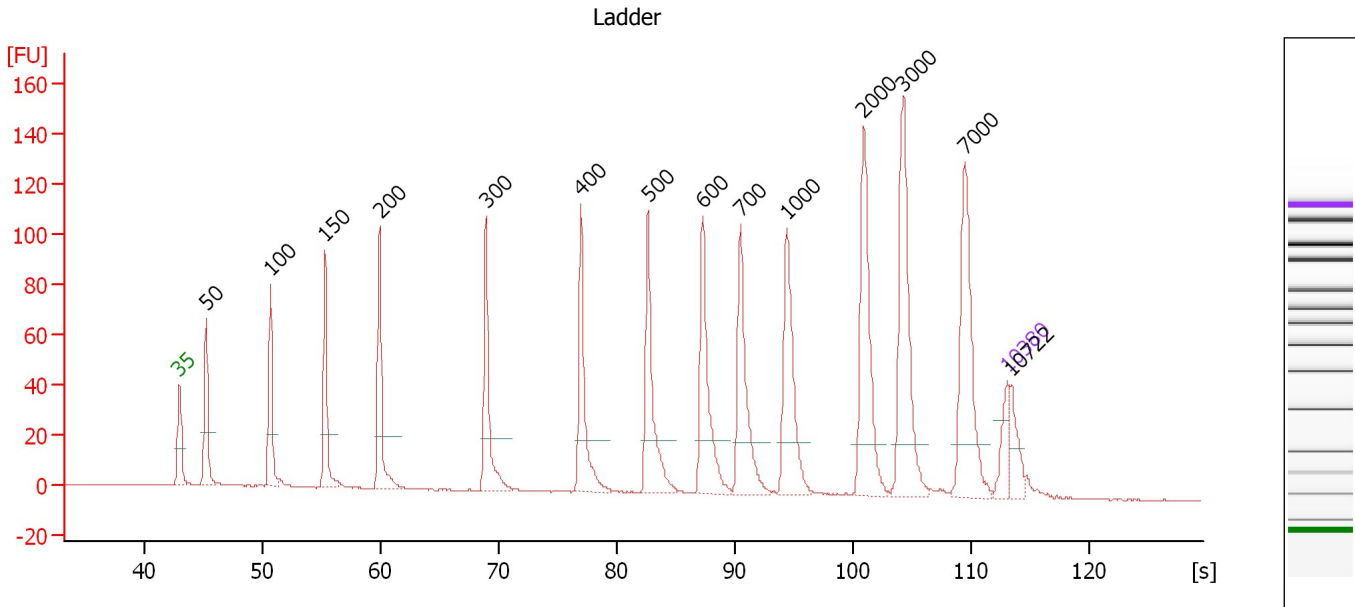
**Ladder**

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\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

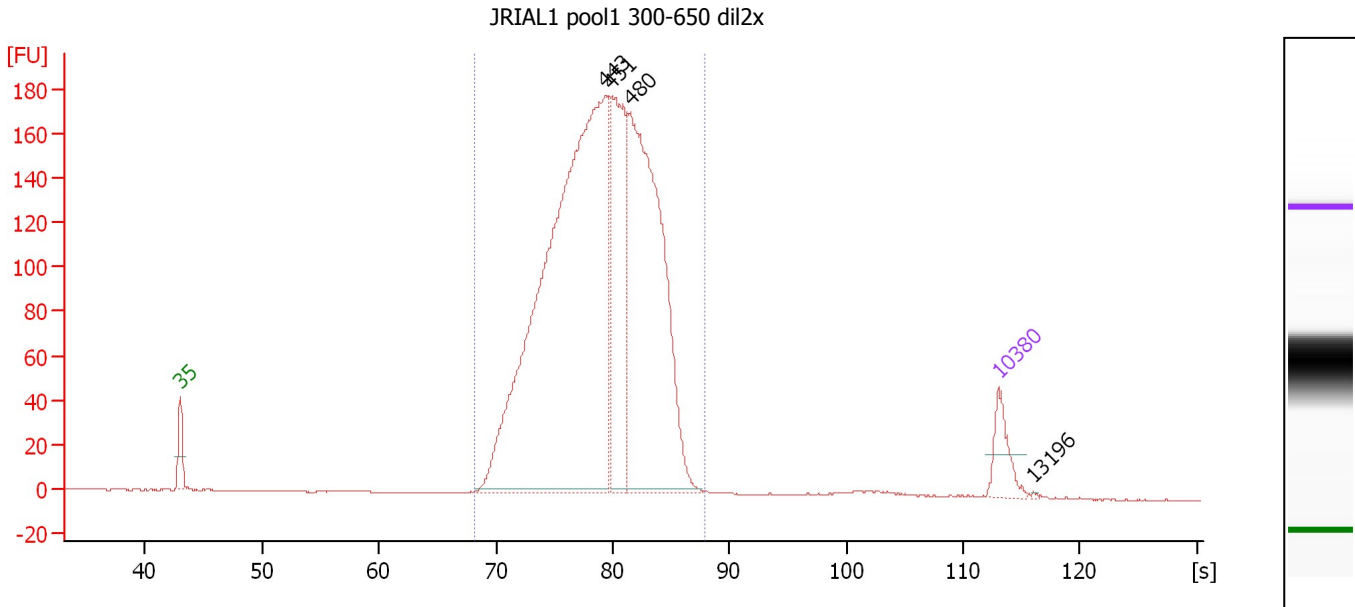
**Peak table for Ladder**

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	45.27
3	100	150.00	2,272.7	Ladder Peak	50.72
4	150	150.00	1,515.2	Ladder Peak	55.35
5	200	150.00	1,136.4	Ladder Peak	59.93
6	300	150.00	757.6	Ladder Peak	68.92
7	400	150.00	568.2	Ladder Peak	76.96
8	500	150.00	454.5	Ladder Peak	82.63
9	600	150.00	378.8	Ladder Peak	87.26
10	700	150.00	324.7	Ladder Peak	90.44
11	1,000	150.00	227.3	Ladder Peak	94.34
12	2,000	150.00	113.6	Ladder Peak	100.88
13	3,000	150.00	75.8	Ladder Peak	104.15
14	7,000	150.00	32.5	Ladder Peak	109.41
15	10,380	75.00	10.9	Upper Marker	113.00
16	10,722	0.00	0.0		113.36

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 1 : JRIAL1 pool1 300-650 dil2x**

Height Threshold [FU] : 2

**Overall Results for sample 1 : JRIAL1 pool1 300-650 dil2x**

Number of peaks found: 4                      Corr. Area 1: 2,615.9  
 Noise: 0.2

**Peak table for sample 1 : JRIAL1 pool1 300-650 dil2x**

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	443	2,505.52	8,567.4		79.40
3	451	588.06	1,974.7		79.86
4	480	1,312.66	4,147.3		81.47
5	10,380	75.00	10.9	Upper Marker	113.00
6	13,196	0.00	0.0		115.99

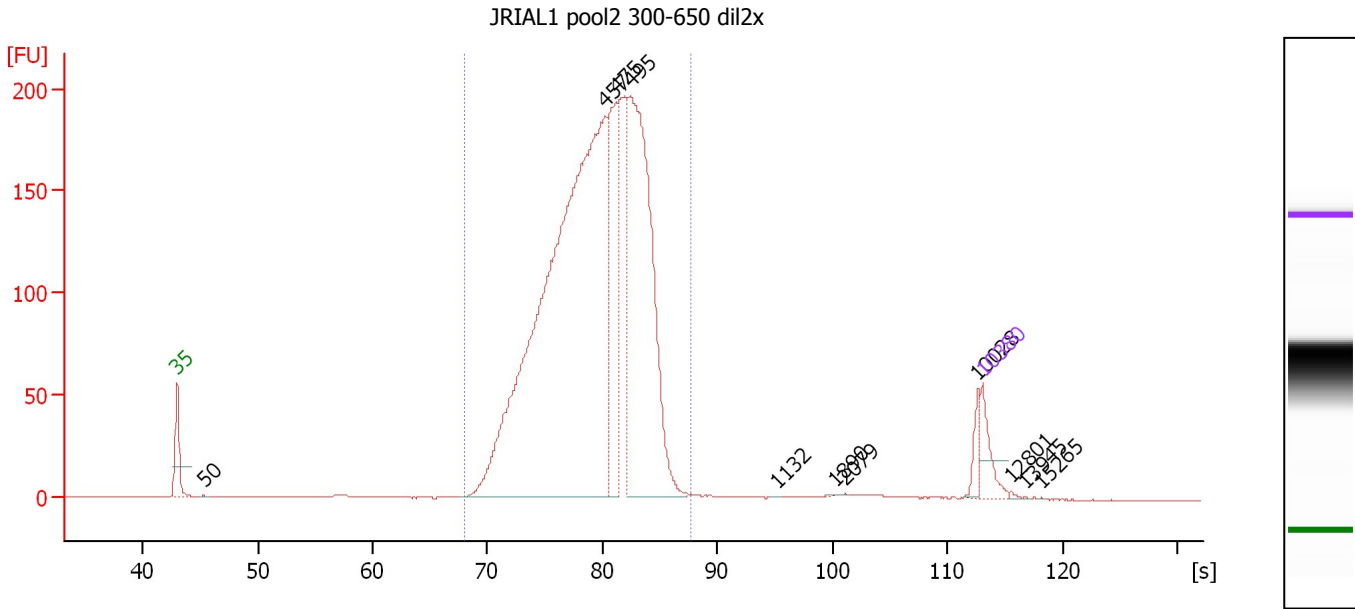
**Region table for sample 1 : JRIAL1 pool1 300-650 dil2x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
293	438	620	2,615.9	16,349.8	98	14.4	4,600.28	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JRIAL1 pool2 300-650 dil2x**

Number of peaks found: 11                      Corr. Area 1: 2,573.2  
 Noise: 0.1

**Peak table for sample 2 : JRIAL1 pool2 300-650 dil2x**

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	1.88	56.8		45.29
3	457	3,107.05	10,290.2		80.22
4	475	461.35	1,472.3		81.20
5	495	1,297.78	3,969.6		82.37
6	1,132	0.41	0.5		95.21
7	1,890	0.60	0.5		100.16
8	2,079	0.71	0.5		101.14
9	10,028	39.73	6.0		112.63
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,801	0.00	0.0		115.57
12	13,945	0.00	0.0		116.78
13	15,265	0.00	0.0		118.18

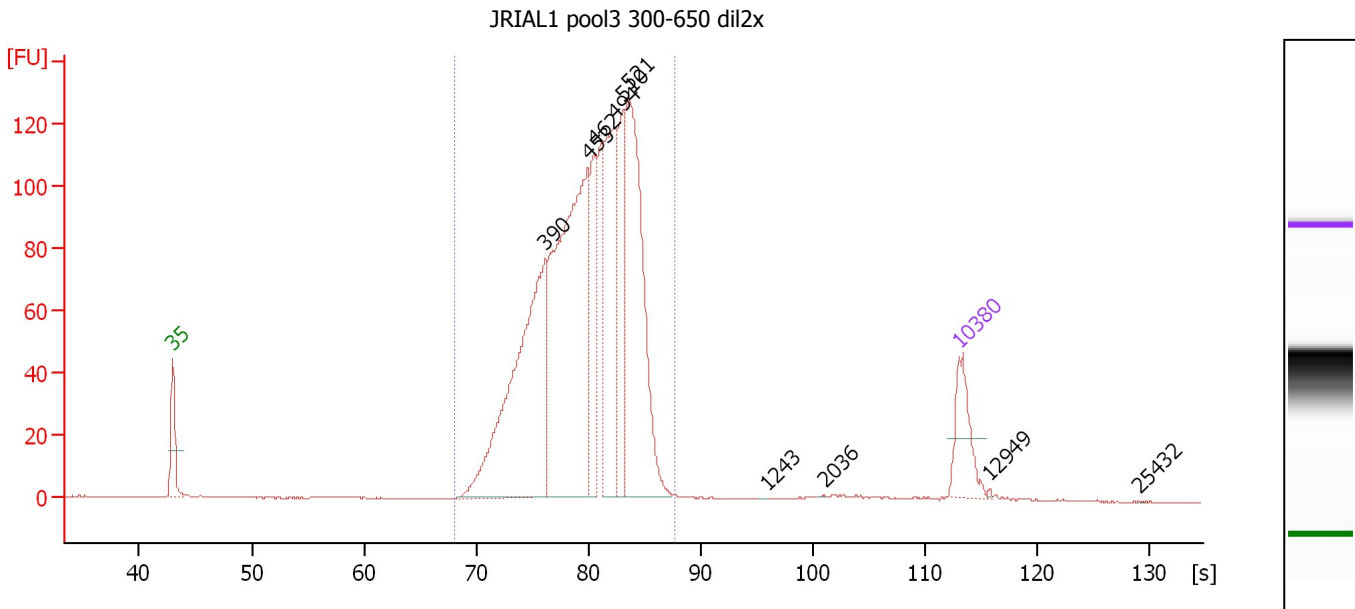
**Region table for sample 2 : JRIAL1 pool2 300-650 dil2x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
291	444	612	2,573.2	19,298.3	97	13.6	5,513.28	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JRIAL1 pool3 300-650 dil2x**

Number of peaks found: 10                      Corr. Area 1: 1,573.7  
 Noise: 0.1

**Peak table for sample 3 : JRIAL1 pool3 300-650 dil2x**

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	390	595.85	2,312.6		76.18
3	453	736.27	2,462.9		79.96
4	462	159.27	522.1		80.49
5	494	310.98	953.3		82.30
6	510	159.04	472.0		83.12
7	521	499.16	1,452.1		83.59
8	1,243	0.15	0.2		95.93
9	2,036	0.20	0.1		101.00
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,949	0.00	0.0		115.73
12	25,432	0.00	0.0		128.97

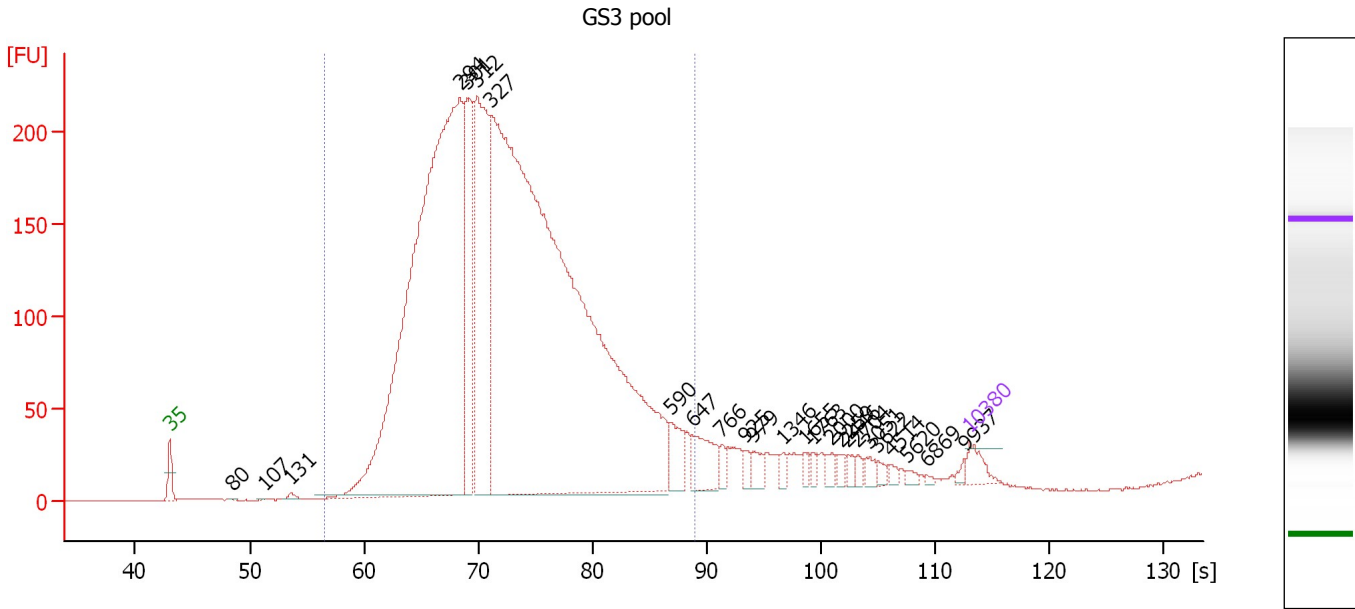
**Region table for sample 3 : JRIAL1 pool3 300-650 dil2x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
292	452	613	1,573.7	9,258.7	98	13.9	2,690.00	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : GS3 pool**

Number of peaks found: 25                      Corr. Area 1: 4,917.7  
 Noise: 0.1

**Peak table for sample 4 : GS3 pool**

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	5.10	97.0		48.50
3	107	2.00	28.4		51.36
4	131	24.03	277.3		53.62
5	294	6,360.69	32,737.5		68.42
6	301	1,037.88	5,218.9		69.03
7	312	1,604.04	7,793.5		69.87
8	327	9,462.13	43,836.6		71.09
9	590	177.16	455.2		86.79
10	647	237.49	556.0		88.76
11	766	50.38	99.7		91.30
12	925	40.31	66.0		93.36
13	979	67.64	104.7		94.07
14	1,346	34.95	39.3		96.60
15	1,655	30.42	27.8		98.62
16	1,763	29.68	25.5		99.33
17	2,000	40.22	30.5		100.88
18	2,259	36.91	24.8		101.72
19	2,446	33.05	20.5		102.34
20	2,704	26.12	14.6		103.18
21	3,051	35.24	17.5		104.21
22	3,622	23.95	10.0		104.97
23	4,514	22.34	7.5		106.14
24	5,620	20.36	5.5		107.60
25	6,869	9.38	2.1		109.24



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : GS3 pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	9,937	19.09	2.9		112.53
27	10,380	75.00	10.9	Upper Marker	113.00

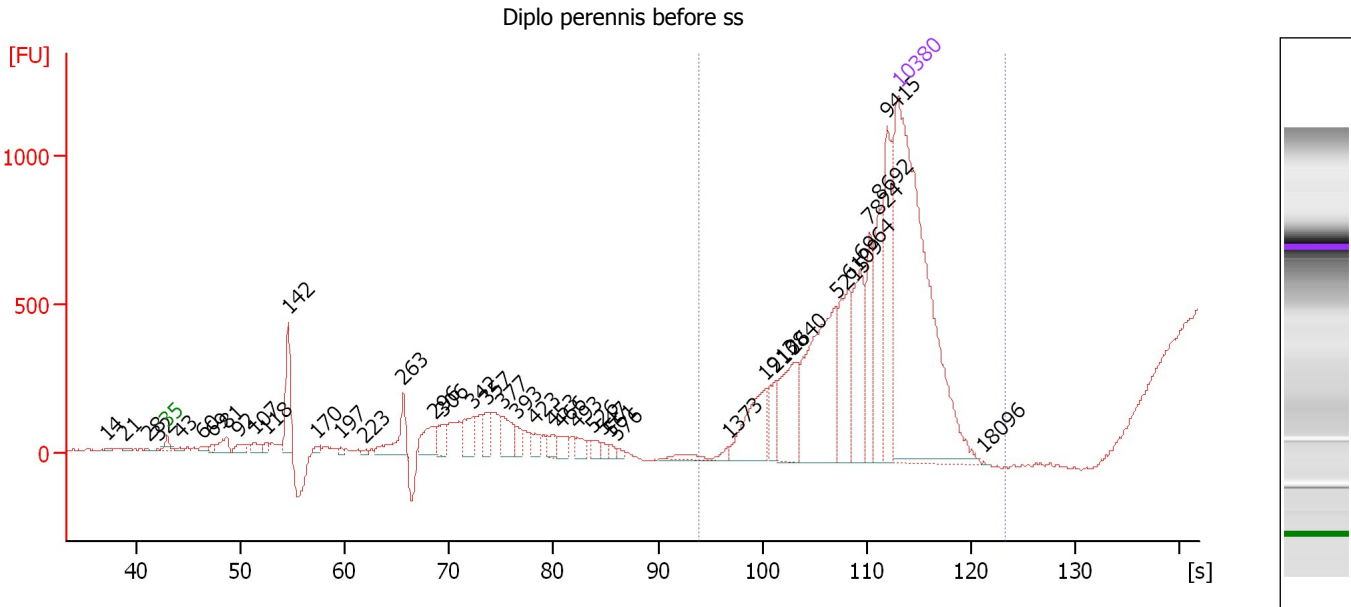
#### Region table for sample 4 : GS3 pool

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
163	352	652	4,917.7	82,984.8	93	25.3	17,752.50	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Diplo perennis before ss**

Number of peaks found: 41                      Corr. Area 1: 2,078.8  
 Noise: 4.0

**Peak table for sample 5 : Diplo perennis before ss**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	14	0.00	0.0		37.12
2	21	0.00	0.0		38.91
3	28	0.00	0.0		41.11
4	32	0.00	0.0		42.08
5	35	125.00	5,411.3	Lower Marker	43.00
6	43	0.77	27.4		44.18
7	60	1.26	31.6		46.38
8	69	1.17	25.7		47.30
9	81	3.79	71.0		48.63
10	92	2.16	35.6		49.86
11	107	2.46	34.9		51.34
12	118	1.47	18.8		52.42
13	142	14.76	158.0		54.56
14	170	0.97	8.6		57.23
15	197	0.63	4.9		59.63
16	223	0.47	3.2		61.98
17	263	8.48	48.8		65.62
18	296	6.21	31.8		68.58
19	306	3.96	19.6		69.40
20	342	6.51	28.8		72.32
21	357	4.48	19.0		73.50
22	377	6.05	24.3		75.13
23	393	2.61	10.1		76.41
24	423	2.38	8.5		78.26
25	453	2.36	7.9		79.94

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad


Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : Diplo perennis before ss**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	466	2.39	7.8		80.71
27	493	2.34	7.2		82.25
28	526	1.67	4.8		83.83
29	547	1.05	2.9		84.81
30	561	0.91	2.5		85.47
31	576	0.60	1.6		86.14
32	1,373	2.19	2.4		96.78
33	1,913	11.32	9.0		100.31
34	2,108	4.59	3.3		101.23
35	2,640	12.25	7.0		102.97
36	5,215	28.66	8.3		107.06
37	6,109	14.08	3.5		108.24
38	6,964	14.25	3.1		109.37
39	7,824	9.61	1.9		110.29
40	8,692	12.30	2.1		111.21
41	9,415	17.13	2.8		111.98
42	10,380	75.00	10.9	Upper Marker	113.00
43	18,096	0.00	0.0		121.19

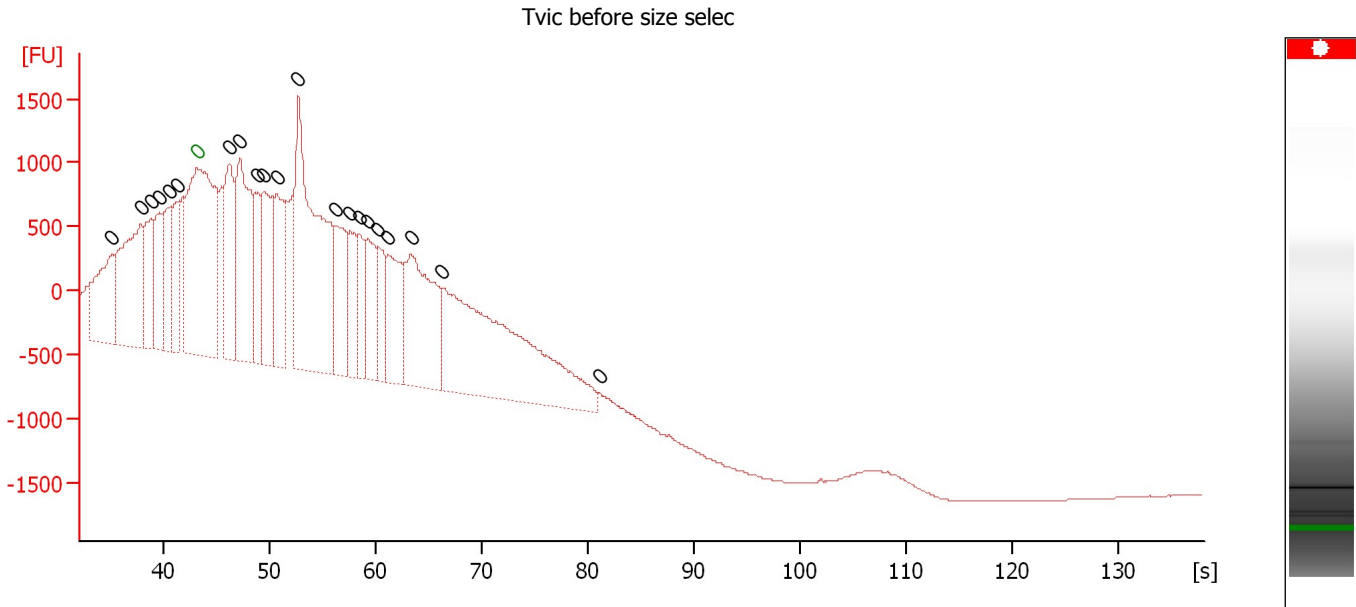
**Region table for sample 5 : Diplo perennis before ss**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
973	9,361	20,027	2,078.8	8.6	88	26.2	40.08	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Tvic before size selec**

Number of peaks found: 21 Noise: 1.0

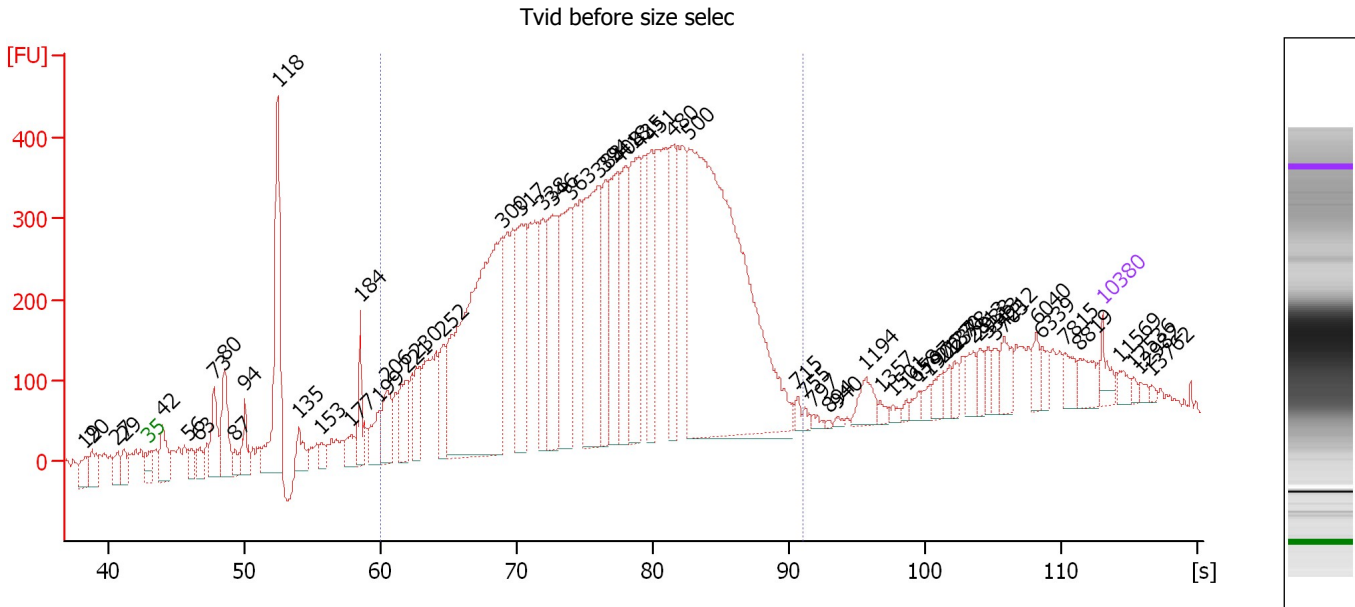
**Peak table for sample 6 : Tvic before size selec**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		35.20
2	0	0.00	0.0		37.85
3	0	0.00	0.0		38.80
4	0	0.00	0.0		39.60
5	0	0.00	0.0		40.65
6	0	0.00	0.0		41.35
7	0	0.00	0.0	Lower Marker	43.15
8	0	0.00	0.0		46.25
9	0	0.00	0.0		47.25
10	0	0.00	0.0		48.85
11	0	0.00	0.0		49.50
12	0	0.00	0.0		50.75
13	0	0.00	0.0		52.75
14	0	0.00	0.0		56.20
15	0	0.00	0.0		57.65
16	0	0.00	0.0		58.45
17	0	0.00	0.0		59.25
18	0	0.00	0.0		60.25
19	0	0.00	0.0		61.20
20	0	0.00	0.0		63.35
21	0	0.00	0.0		66.30
22	0	0.00	0.0		81.10

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Tvid before size selec**

Number of peaks found: 61                      Corr. Area 1: 10,684.3  
 Noise: 6.4

**Peak table for sample 7 : Tvid before size selec**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	19	0.00	0.0		38.31
2	20	0.00	0.0		38.78
3	27	0.00	0.0		40.59
4	29	0.00	0.0		41.15
5	35	125.00	5,411.3	Lower Marker	43.00
6	42	314.80	11,489.0		43.99
7	56	136.57	3,722.4		45.88
8	63	120.84	2,914.1		46.67
9	73	383.32	7,959.7		47.77
10	80	476.47	9,041.8		48.52
11	87	112.72	1,961.3		49.31
12	94	214.05	3,465.0		50.02
13	118	1,307.09	16,720.4		52.43
14	135	160.77	1,798.0		54.00
15	153	92.86	922.3		55.58
16	177	142.97	1,226.5		57.79
17	184	224.27	1,843.1		58.50
18	199	204.92	1,557.0		59.88
19	206	300.52	2,215.3		60.43
20	221	299.83	2,052.4		61.85
21	230	273.80	1,802.8		62.64
22	252	255.53	1,536.0		64.61
23	300	2,780.65	14,027.1		68.95
24	317	737.52	3,524.6		70.29
25	338	516.03	2,315.6		71.95

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : Tvid before size selec**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	346	703.93	3,082.6		72.62
27	363	750.15	3,133.8		73.96
28	388	1,129.75	4,409.3		76.01
29	394	417.95	1,606.8		76.48
30	408	675.43	2,506.3		77.43
31	418	554.09	2,008.2		77.98
32	435	791.82	2,755.3		78.97
33	451	432.61	1,452.1		79.87
34	480	559.25	1,765.7		81.49
35	500	3,758.85	11,388.8		82.63
36	715	34.08	72.2		90.64
37	755	27.53	55.3		91.15
38	797	22.07	42.0		91.70
39	894	7.01	11.9		92.97
40	940	14.19	22.9		93.56
41	1,194	118.39	150.3		95.61
42	1,357	29.55	33.0		96.67
43	1,501	21.38	21.6		97.62
44	1,658	21.31	19.5		98.65
45	1,797	36.83	31.1		99.55
46	1,906	33.59	26.7		100.26
47	2,137	67.26	47.7		101.33
48	2,270	41.65	27.8		101.76
49	2,378	44.92	28.6		102.12
50	2,813	75.26	40.5		103.54
51	2,933	61.43	31.7		103.93
52	3,313	53.82	24.6		104.56
53	3,703	53.49	21.9		105.07
54	4,212	118.95	42.8		105.74
55	6,040	73.02	18.3		108.15
56	6,339	63.38	15.1		108.54
57	7,815	80.21	15.6		110.28
58	8,819	111.18	19.1		111.34
59	10,380	75.00	10.9	Upper Marker	113.00
60	11,569	0.00	0.0		114.26
61	12,536	0.00	0.0		115.29
62	12,982	0.00	0.0		115.76
63	13,762	0.00	0.0		116.59

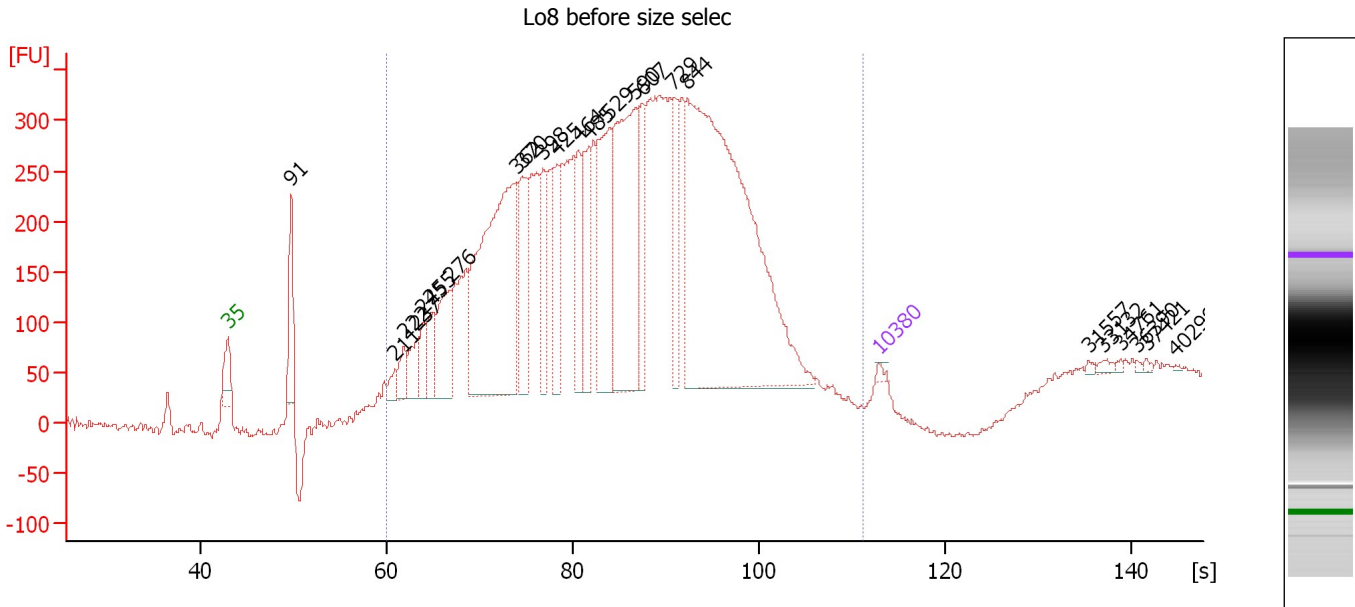
**Region table for sample 7 : Tvid before size selec**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	412	740	10,684.3	74,382.0	82	26.0	18,067.09	<span style="background-color: blue; color: blue;">■</span>

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Lo8 before size selec**

Number of peaks found: 24                      Corr. Area 1: 9,077.3  
 Noise: 3.5

**Peak table for sample 8 : Lo8 before size selec**

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	91	1,987.99	33,086.5		49.74
3	211	338.63	2,432.1		60.92
4	222	679.96	4,643.7		61.90
5	237	854.24	5,455.7		63.28
6	245	749.57	4,636.8		63.97
7	255	973.01	5,791.7		64.84
8	276	2,173.45	11,916.9		66.79
9	362	9,170.07	38,334.3		73.94
10	370	2,368.33	9,689.6		74.57
11	398	1,575.16	5,992.1		76.82
12	425	1,692.71	6,034.6		78.37
13	464	1,856.41	6,067.4		80.56
14	485	1,977.55	6,179.1		81.77
15	529	3,621.64	10,377.3		83.96
16	590	5,842.83	15,011.1		86.79
17	607	1,632.20	4,075.4		87.48
18	729	1,653.33	3,435.1		90.82
19	844	16,116.15	28,919.8		92.32
20	10,380	75.00	10.9	Upper Marker	113.00
21	31,557	0.00	0.0		135.47
22	33,132	0.00	0.0		137.14
23	34,761	0.00	0.0		138.87
24	36,390	0.00	0.0		140.60
25	37,421	0.00	0.0		141.69


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...****... Peak table for sample 8 : Lo8 before size selec**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	40,299	0.00	0.0		144.74

**Region table for sample 8 : Lo8 before size selec**

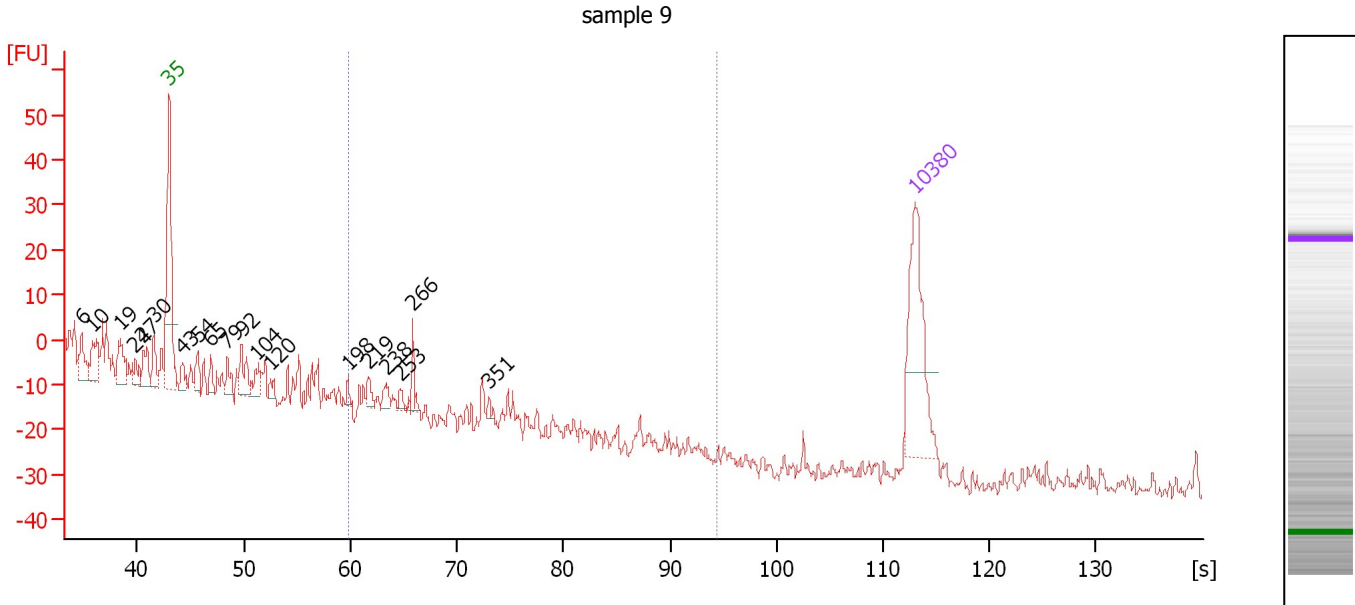
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Color
200	732	8,723	9,077.3	233,753.5	97	71.8	73,251.04	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 19                      Corr. Area 1: 1.9  
 Noise: 2.4

**Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	6	0.00	0.0		34.79
2	10	0.00	0.0		35.79
3	19	0.00	0.0		38.41
4	24	0.00	0.0		39.77
5	27	0.00	0.0		40.58
6	30	0.00	0.0		41.59
7	35	125.00	5,411.3	Lower Marker	43.00
8	43	14.00	493.4		44.21
9	54	15.17	428.0		45.67
10	65	10.02	234.3		46.88
11	79	16.20	310.2		48.44
12	92	27.91	461.6		49.80
13	104	18.46	268.3		51.11
14	120	7.68	97.3		52.52
15	198	6.02	46.0		59.78
16	219	9.29	64.3		61.65
17	238	8.81	56.1		63.36
18	253	5.00	30.0		64.67
19	266	13.47	76.8		65.83
20	351	2.97	12.8		73.04
21	10,380	75.00	10.9	Upper Marker	113.00

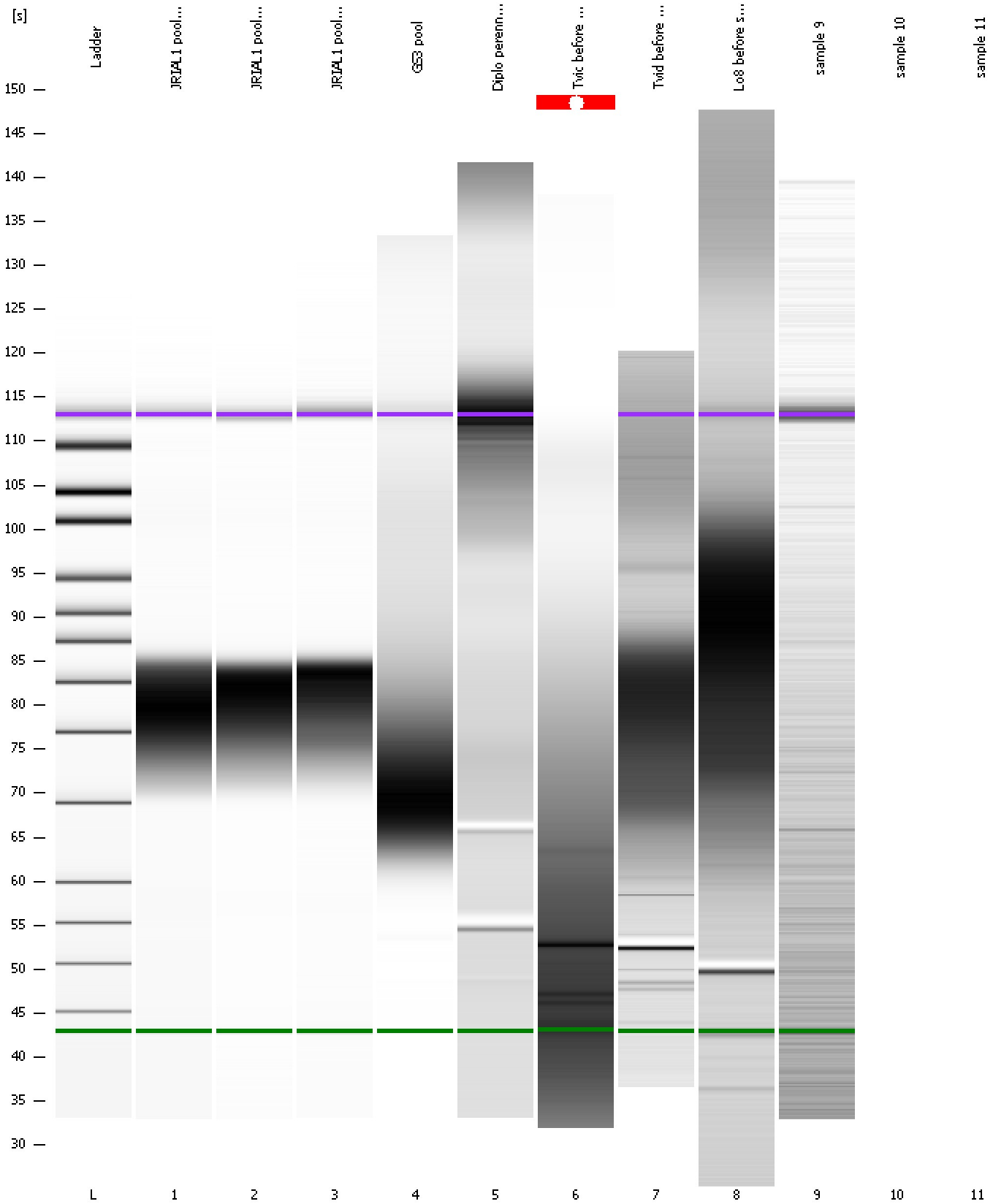
**Region table for sample 9 : sample 9**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	266	1,000	1.9	17.3	95	0.2	3.03	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
Modified: 4/21/2015 11:39:16 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
Modified: 4/21/2015 11:39:16 AM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-21\2015-04-21\_001.xad

Created: 4/21/2015 11:03:36 AM  
 Modified: 4/21/2015 11:39:16 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		4/21/2015 11:39:12 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-21\2015-04-21_001.xad)		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/21/2015 11:03:41 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1