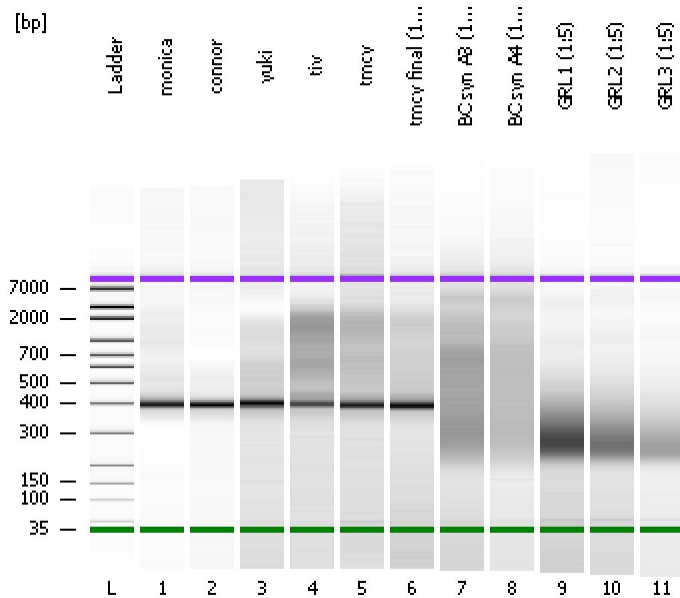


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 PM

### Electrophoresis File Run Summary



#### Instrument Information:

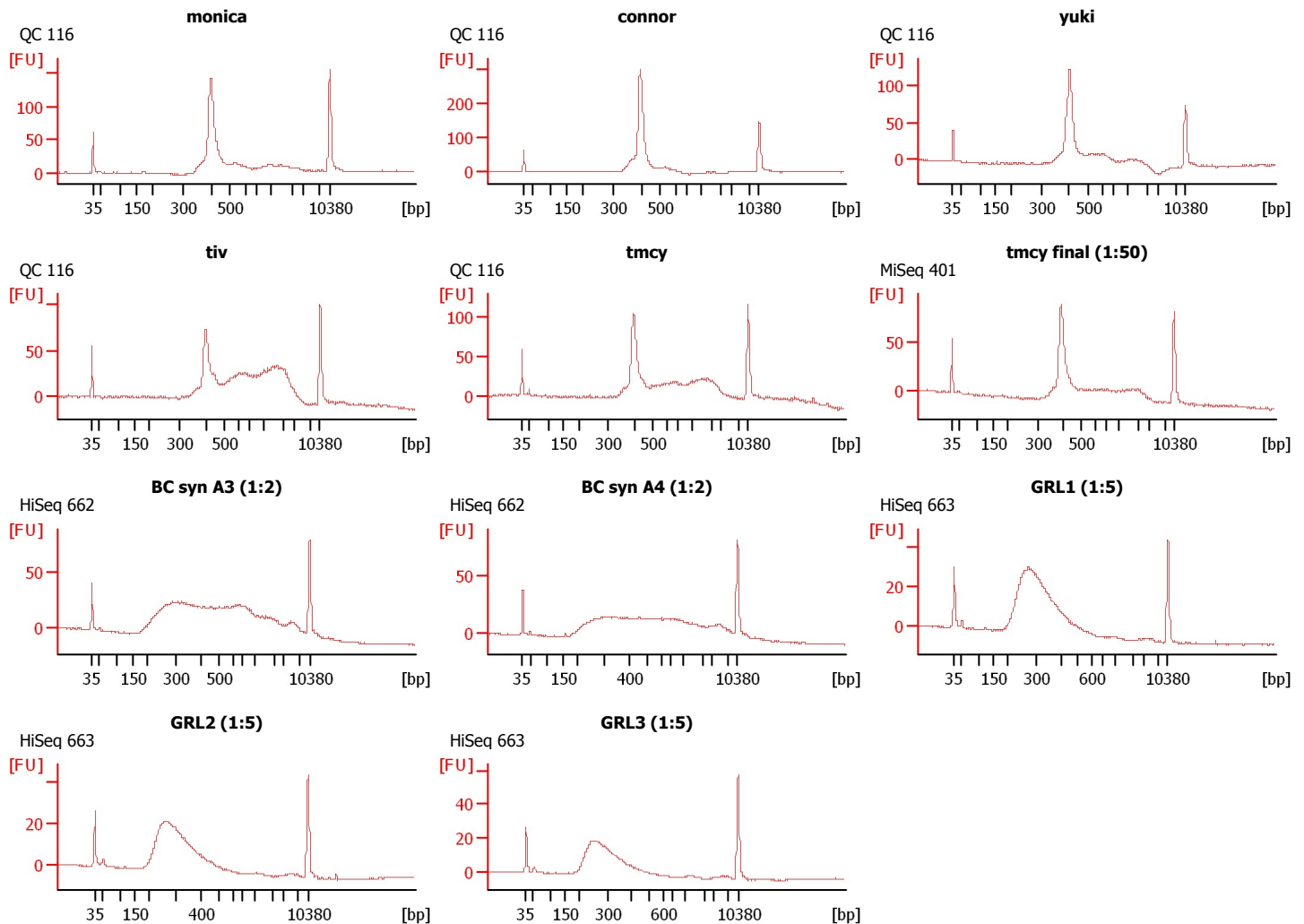
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
monica	QC 116	<input type="checkbox"/>	✓			
connor	QC 116	<input type="checkbox"/>	✓			
yuki	QC 116	<input type="checkbox"/>	✓			
tiv	QC 116	<input type="checkbox"/>	✓			
tmcy	QC 116	<input type="checkbox"/>	✓			
tmcy final (1:50)	MiSeq 401	<input type="checkbox"/>	✓			
BC syn A3 (1:2)	HiSeq 662	<input type="checkbox"/>	✓			
BC syn A4 (1:2)	HiSeq 662	<input type="checkbox"/>	✓			
GRL1 (1:5)	HiSeq 663	<input type="checkbox"/>	✓			
GRL2 (1:5)	HiSeq 663	<input type="checkbox"/>	✓			
GRL3 (1:5)	HiSeq 663	<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\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 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

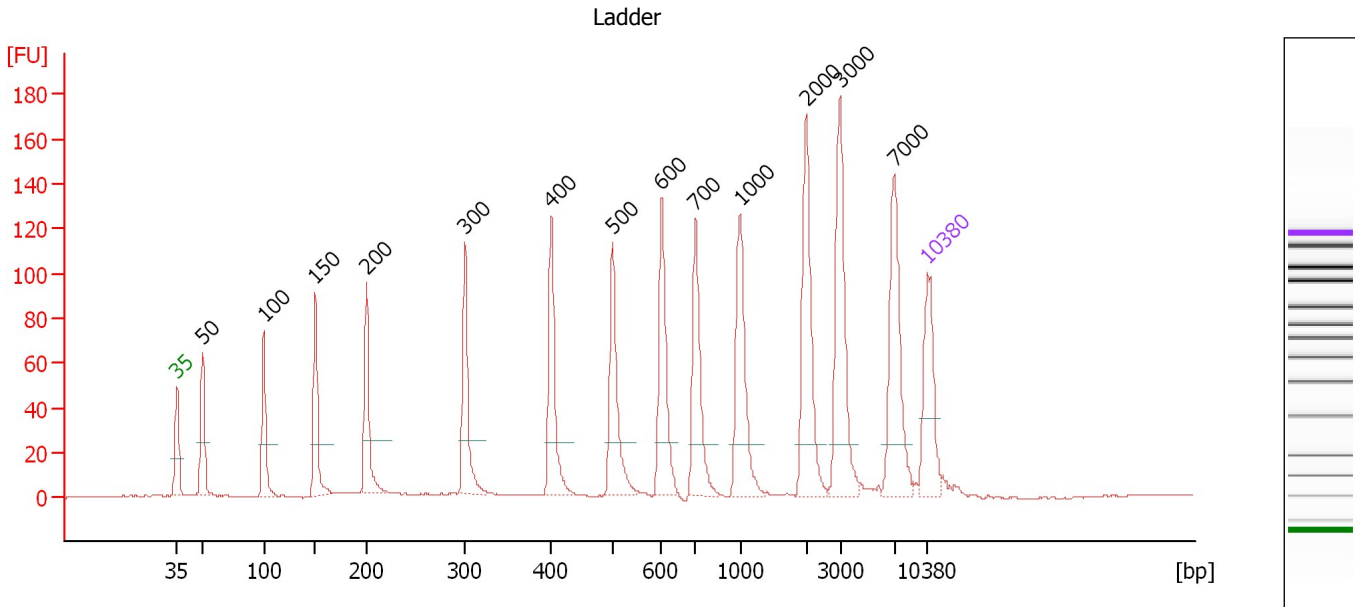
**Ladder**

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\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

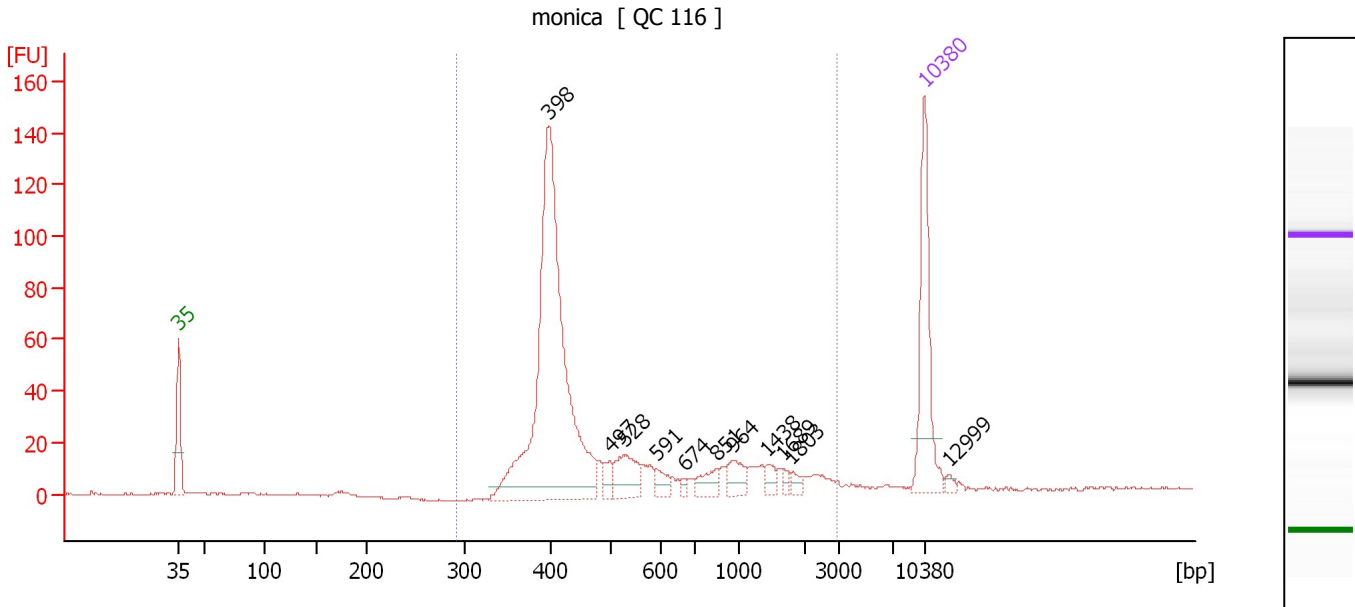
**Peak table for Ladder**

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	45.39
3	100	150.00	2,272.7	Ladder Peak	51.11
4	150	150.00	1,515.2	Ladder Peak	55.94
5	200	150.00	1,136.4	Ladder Peak	60.71
6	300	150.00	757.6	Ladder Peak	69.87
7	400	150.00	568.2	Ladder Peak	77.93
8	500	150.00	454.5	Ladder Peak	83.65
9	600	150.00	378.8	Ladder Peak	88.22
10	700	150.00	324.7	Ladder Peak	91.41
11	1,000	150.00	227.3	Ladder Peak	95.54
12	2,000	150.00	113.6	Ladder Peak	101.71
13	3,000	150.00	75.8	Ladder Peak	104.89
14	7,000	150.00	32.5	Ladder Peak	109.97
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : monica**

Number of peaks found: 11                      Corr. Area 1: 687.2  
 Noise: 0.3

**Peak table for sample 1 : monica**

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	398	413.79	1,574.7		77.77
3	497	11.75	35.8		83.48
4	528	34.72	99.6		84.93
5	591	11.62	29.8		87.83
6	674	3.63	8.2		90.58
7	851	15.76	28.1		93.49
8	964	16.70	26.3		95.04
9	1,438	7.23	7.6		98.24
10	1,689	3.86	3.5		99.79
11	1,803	5.58	4.7		100.49
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,999	0.00	0.0		115.35

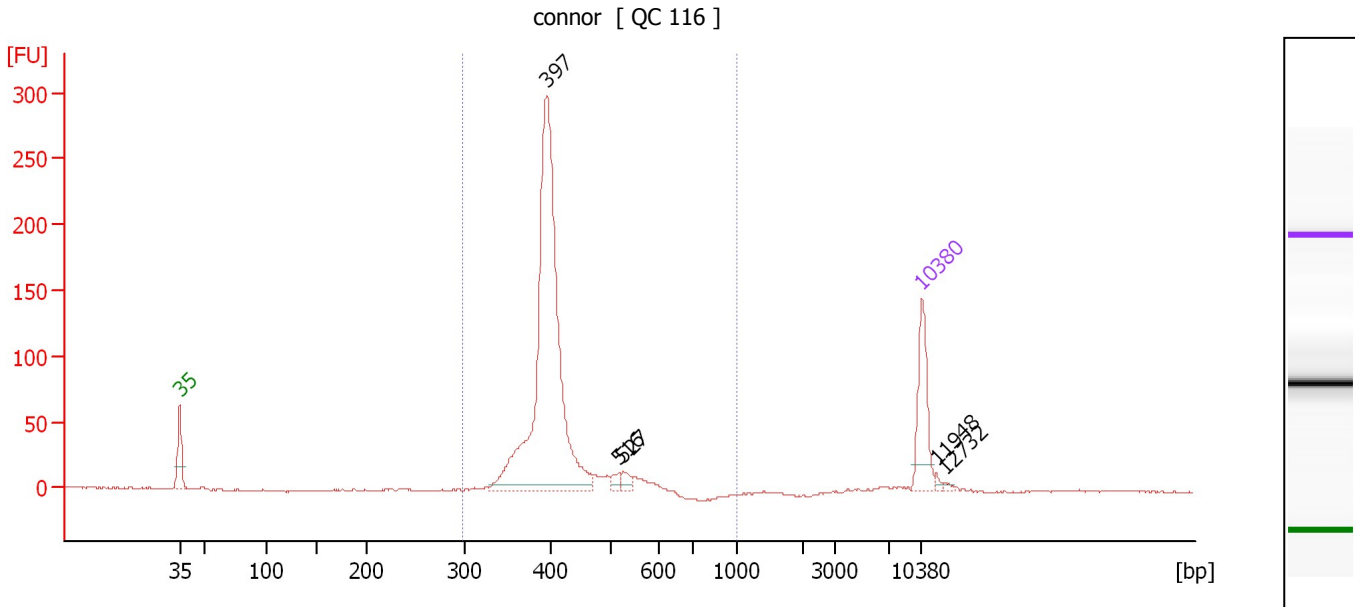
**Region table for sample 1 : monica**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
292	2,980	610	687.2	1,734.4	526.83	96	74.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : connor**

Number of peaks found: 5                      Corr. Area 1: 943.7  
 Noise: 0.7

**Peak table for sample 2 : connor**

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	397	715.10	2,732.2		77.65
3	516	10.88	31.9		84.39
4	527	13.45	38.7		84.89
5	10,380	75.00	10.9	Upper Marker	113.00
6	11,948	0.00	0.0		114.41
7	12,732	0.00	0.0		115.11

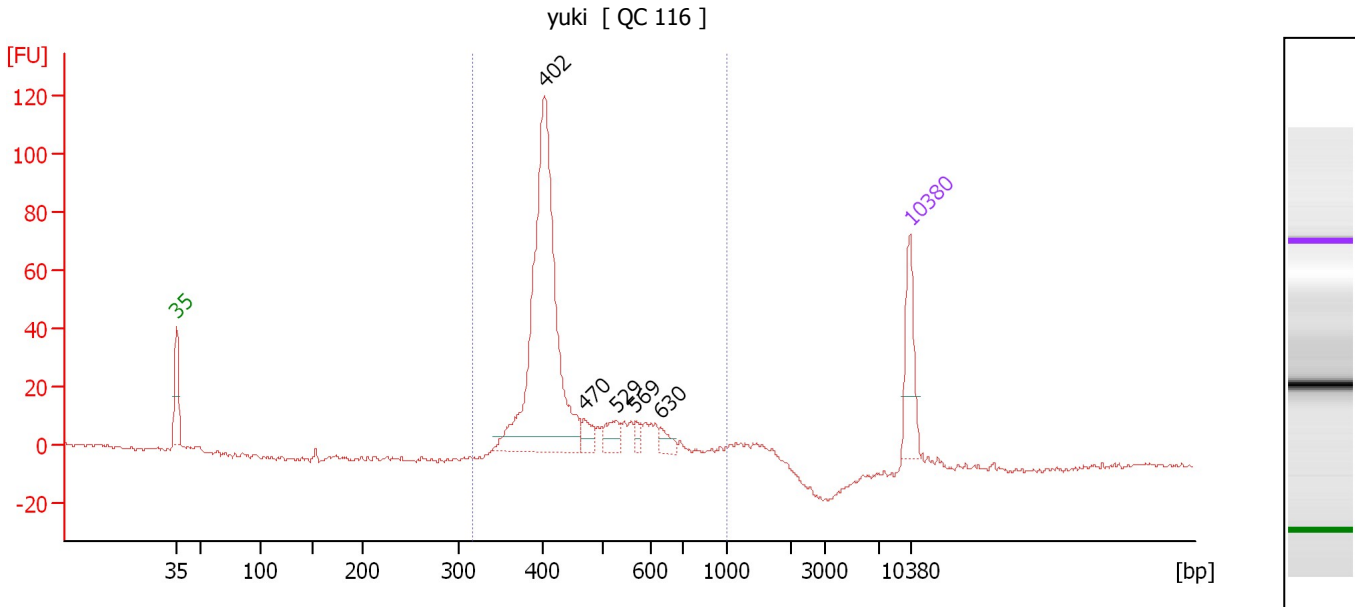
**Region table for sample 2 : connor**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
299	1,000	408	943.7	2,878.8	768.22	97	10.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : yuki**

Number of peaks found: 5                      Corr. Area 1: 515.4  
 Noise: 0.7

**Peak table for sample 3 : yuki**

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	402	645.44	2,431.5		78.05
3	470	27.73	89.4		81.92
4	529	31.53	90.3		84.97
5	569	12.47	33.2		86.80
6	630	18.59	44.7		89.19
7	10,380	75.00	10.9	Upper Marker	113.00

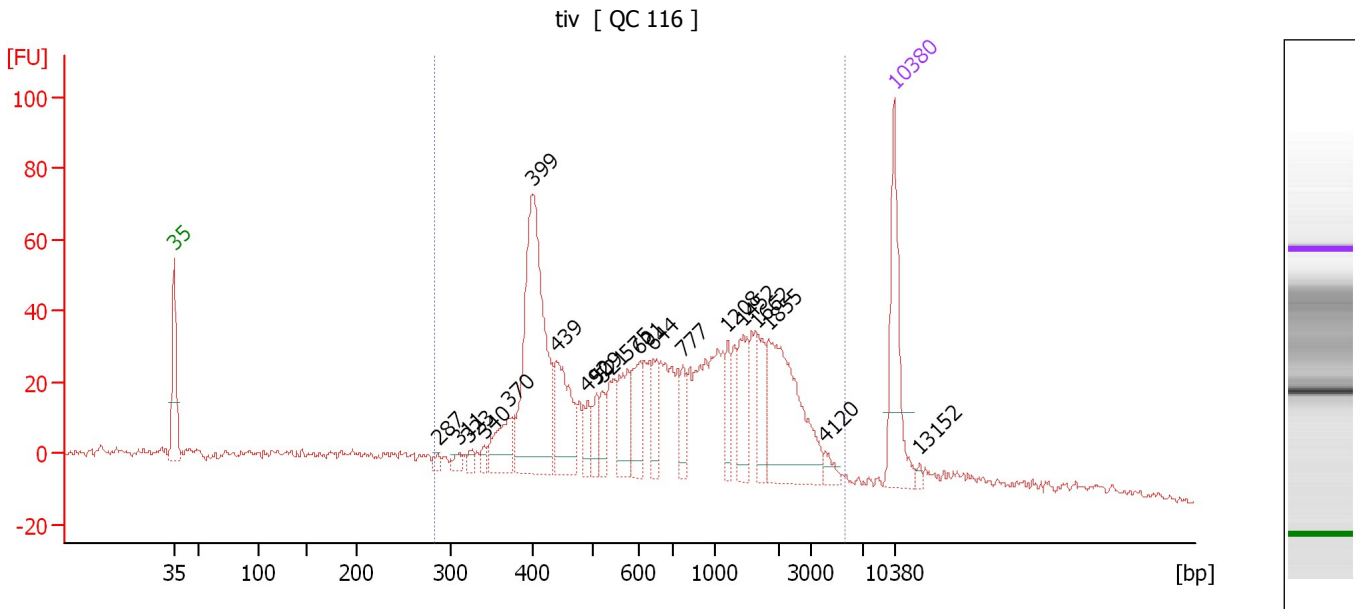
**Region table for sample 3 : yuki**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
316	1,000	451	515.4	3,016.0	859.77	96	21.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : tiv**

Number of peaks found: 20                      Corr. Area 1: 1,153.9  
 Noise: 1.1

**Peak table for sample 4 : tiv**

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	287	6.72	35.5		68.67
3	311	9.50	46.3		70.74
4	323	8.03	37.6		71.73
5	340	8.28	36.9		73.13
6	370	45.40	185.9		75.51
7	399	262.71	997.6		77.84
8	439	85.37	294.4		80.18
9	492	21.60	66.5		83.19
10	509	21.39	63.6		84.07
11	521	21.12	61.5		84.59
12	575	47.88	126.2		87.07
13	601	44.93	113.2		88.27
14	644	34.68	81.6		89.61
15	777	23.75	46.3		92.47
16	1,208	24.38	30.6		96.82
17	1,452	38.54	40.2		98.33
18	1,662	35.61	32.5		99.62
19	1,855	129.68	105.9		100.81
20	4,120	9.06	3.3		106.31
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,152	0.00	0.0		115.49



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**

... Region table for sample 4 :

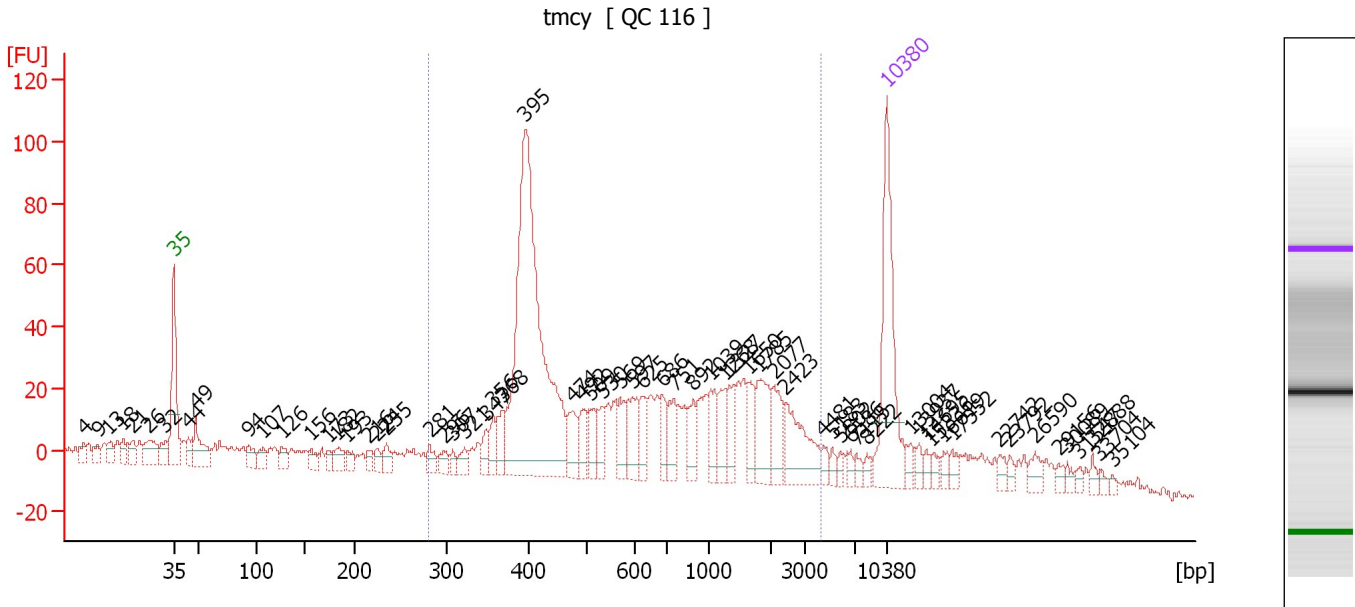
tiv

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
284	5,704	1,039	1,153.9	3,060.7	1,230.18	85	79.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : tmcy**

Number of peaks found: 65                      Corr. Area 1: 1,082.7  
 Noise: 1.4

**Peak table for sample 5 : tmcy**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	4	0.00	0.0		34.15
2	9	0.00	0.0		35.51
3	13	0.00	0.0		36.66
4	18	0.00	0.0		38.03
5	21	0.00	0.0		38.97
6	26	0.00	0.0		40.54
7	32	0.00	0.0		42.16
8	35	125.00	5,411.3	Lower Marker	43.00
9	44	14.85	509.1		44.47
10	49	37.83	1,174.2		45.20
11	94	14.80	239.4		50.38
12	107	12.49	176.6		51.80
13	126	12.00	144.2		53.63
14	156	10.46	101.6		56.51
15	173	7.52	65.8		58.13
16	182	13.88	115.4		59.02
17	193	9.05	71.1		60.02
18	216	7.48	52.5		62.16
19	224	7.54	51.0		62.90
20	235	10.91	70.4		63.89
21	281	10.22	55.1		68.13
22	296	9.54	48.7		69.54
23	307	5.57	27.5		70.43
24	321	9.53	44.9		71.59
25	347	10.79	47.1		73.68

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : tmcy**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	356	14.11	60.0		74.41
27	368	15.86	65.3		75.36
28	395	316.19	1,211.6		77.55
29	474	21.91	70.0		82.16
30	492	18.05	55.6		83.21
31	509	19.47	58.0		84.05
32	530	15.10	43.1		85.04
33	569	17.88	47.6		86.82
34	597	27.78	70.5		88.08
35	625	15.94	38.6		89.02
36	686	14.95	33.0		90.96
37	751	19.04	38.4		92.11
38	892	16.20	27.5		94.05
39	1,039	18.84	27.5		95.77
40	1,268	17.52	20.9		97.19
41	1,327	16.97	19.4		97.55
42	1,650	14.58	13.4		99.54
43	1,785	30.47	25.9		100.38
44	2,077	20.43	14.9		101.95
45	2,423	36.53	22.8		103.05
46	4,481	5.54	1.9		106.77
47	5,183	4.35	1.3		107.66
48	5,802	3.90	1.0		108.45
49	6,586	3.91	0.9		109.44
50	7,115	4.70	1.0		110.07
51	8,222	3.66	0.7		111.06
52	10,380	75.00	10.9	Upper Marker	113.00
53	13,004	0.00	0.0		115.36
54	13,937	0.00	0.0		116.19
55	14,695	0.00	0.0		116.87
56	15,336	0.00	0.0		117.45
57	16,619	0.00	0.0		118.60
58	17,552	0.00	0.0		119.44
59	22,742	0.00	0.0		124.10
60	23,792	0.00	0.0		125.04
61	26,590	0.00	0.0		127.55
62	29,156	0.00	0.0		129.86
63	30,089	0.00	0.0		130.70
64	31,547	0.00	0.0		132.01
65	32,888	0.00	0.0		133.21
66	33,704	0.00	0.0		133.94
67	35,104	0.00	0.0		135.20

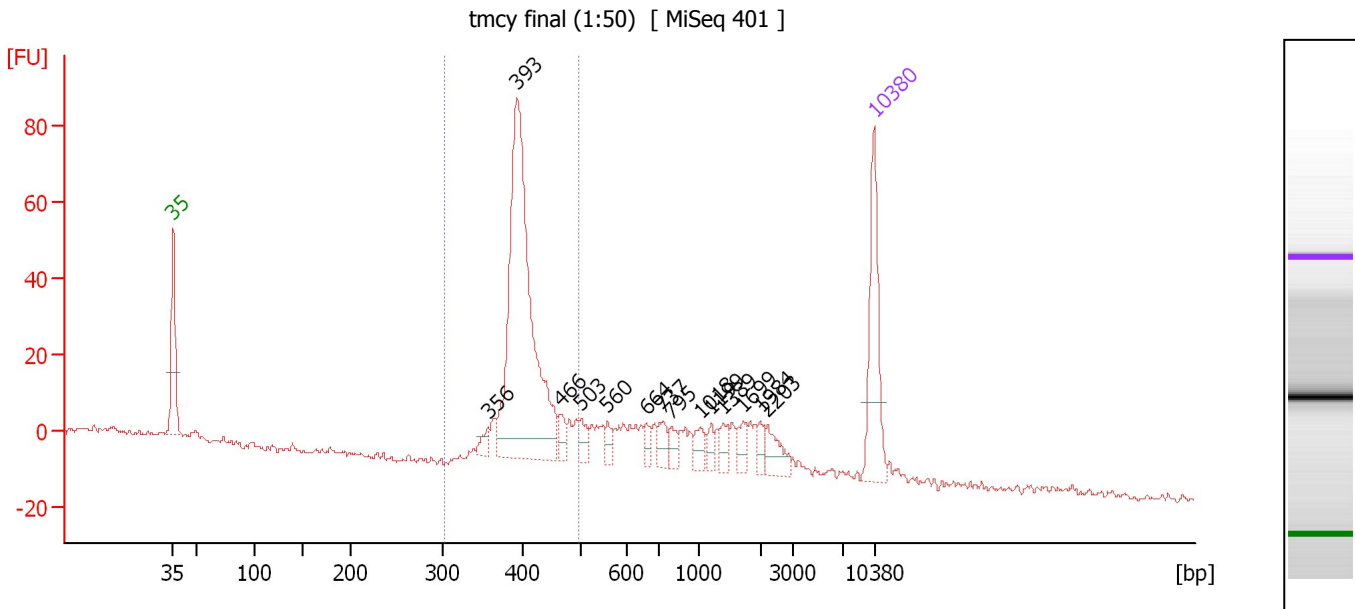
**Region table for sample 5 : tmcy**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
280	4,249	932	1,082.7	2,217.0	805.79	73	80.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : tmcy final (1:50)**

Number of peaks found: 14                      Corr. Area 1: 349.9  
 Noise: 1.0

**Peak table for sample 6 : tmcy final (1:50)**

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	356	11.54	49.1		74.41
3	393	391.32	1,507.4		77.39
4	466	14.96	48.6		81.70
5	503	14.60	44.0		83.78
6	560	9.48	25.6		86.38
7	664	9.94	22.7		90.27
8	737	16.18	33.2		91.92
9	795	12.79	24.4		92.72
10	1,018	14.49	21.6		95.65
11	1,199	9.53	12.0		96.76
12	1,389	12.53	13.7		97.94
13	1,699	13.14	11.7		99.85
14	1,984	9.10	6.9		101.61
15	2,203	21.30	14.6		102.35
16	10,380	75.00	10.9	Upper Marker	113.00

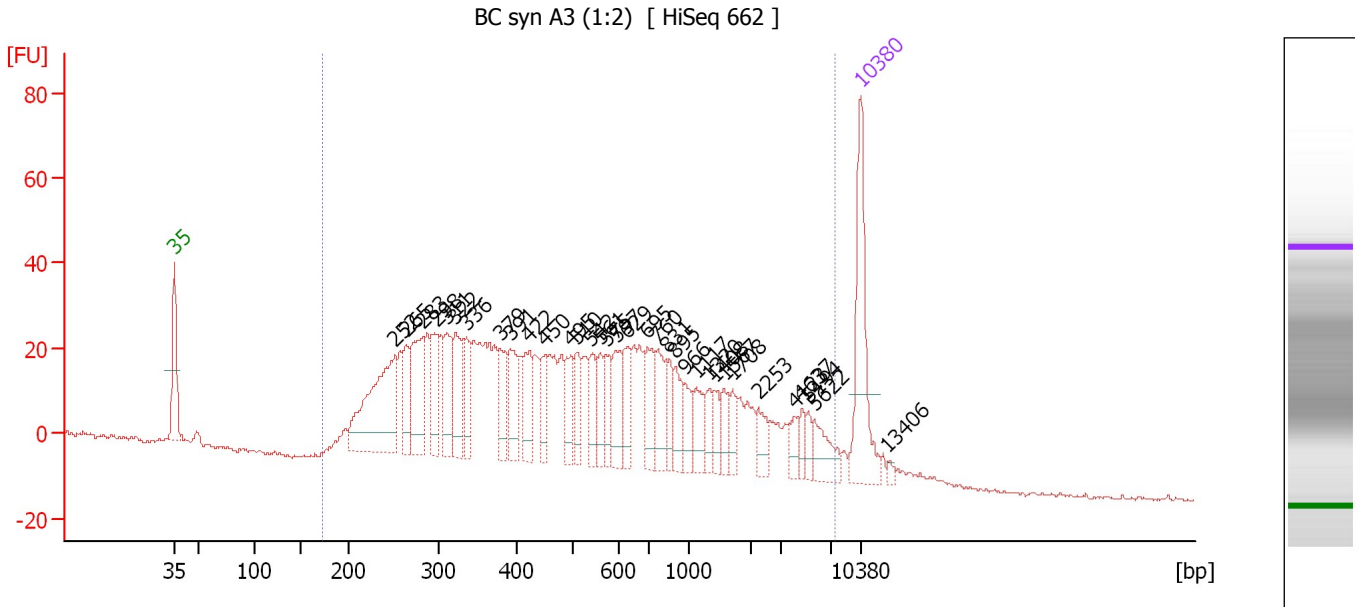
**Region table for sample 6 : tmcy final (1:50)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
303	498	407	349.9	1,702.2	454.54	54	7.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : BC syn A3 (1:2)**

Number of peaks found: 34                      Corr. Area 1: 1,271.1  
 Noise: 0.4

**Peak table for sample 7 : BC syn A3 (1:2)**

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	252	155.30	932.6		65.50
3	265	38.80	222.0		66.64
4	283	76.41	408.8		68.33
5	298	43.96	223.5		69.68
6	311	48.10	234.1		70.77
7	322	52.20	245.6		71.64
8	336	36.58	165.2		72.73
9	379	34.97	139.9		76.21
10	391	42.42	164.2		77.24
11	422	36.53	131.1		79.20
12	450	25.58	86.2		80.77
13	495	30.60	93.6		83.38
14	510	24.98	74.3		84.09
15	542	23.76	66.4		85.55
16	561	25.19	68.1		86.42
17	575	23.00	60.6		87.08
18	597	37.28	94.5		88.11
19	629	29.49	71.1		89.14
20	695	33.53	73.1		91.26
21	760	34.70	69.1		92.24
22	831	20.12	36.7		93.22
23	895	25.42	43.0		94.09
24	966	19.17	30.1		95.07
25	1,117	20.89	28.3		96.26

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : BC syn A3 (1:2)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,320	14.14	16.2		97.51
27	1,408	12.80	13.8		98.05
28	1,567	16.53	16.0		99.03
29	1,708	12.11	10.7		99.90
30	2,253	16.12	10.8		102.51
31	4,123	11.89	4.4		106.32
32	4,637	8.97	2.9		106.97
33	5,194	8.76	2.6		107.67
34	5,622	24.25	6.5		108.22
35	10,380	75.00	10.9	Upper Marker	113.00
36	13,406	0.00	0.0		115.72

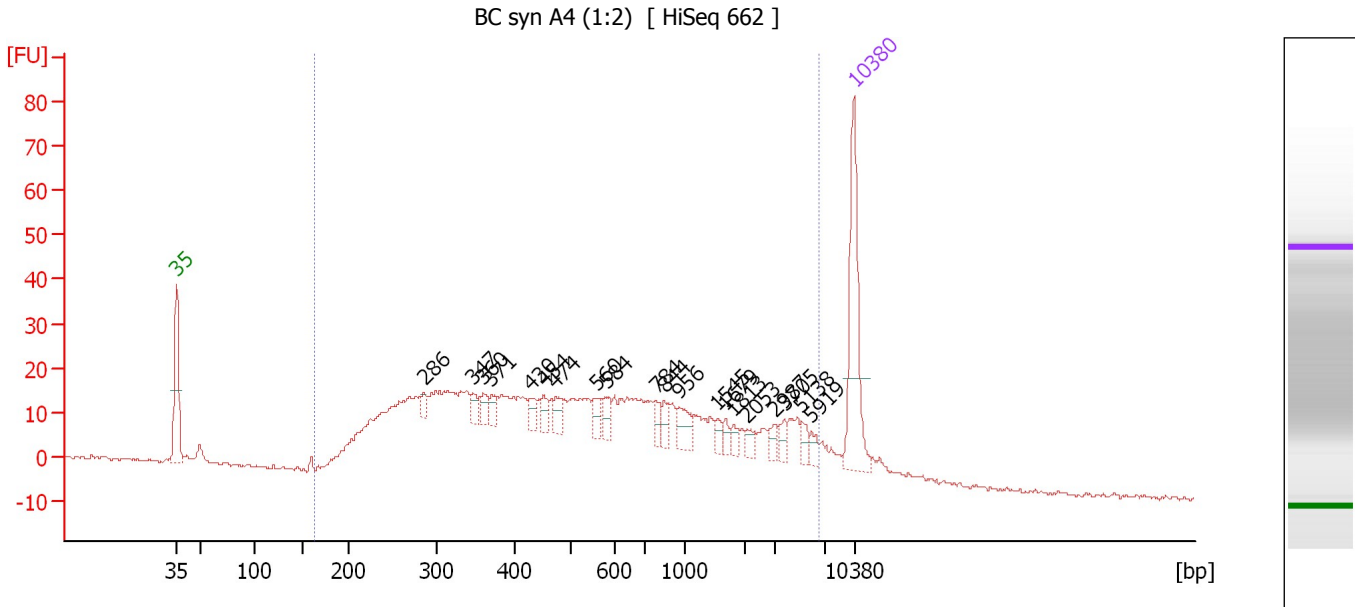
**Region table for sample 7 : BC syn A3 (1:2)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
174	7,451	934	1,271.1	5,619.5	1,534.65	98	100.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : BC syn A4 (1:2)**

Number of peaks found: 20                      Corr. Area 1: 870.6  
 Noise: 0.4

**Peak table for sample 8 : BC syn A4 (1:2)**

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	286	8.15	43.2		68.55
3	347	9.87	43.1		73.68
4	360	11.90	50.1		74.67
5	371	10.31	42.1		75.55
6	430	11.01	38.8		79.62
7	454	11.54	38.5		81.00
8	474	11.89	38.0		82.16
9	560	12.02	32.5		86.40
10	584	11.41	29.6		87.50
11	784	9.79	18.9		92.57
12	844	10.90	19.6		93.39
13	956	18.53	29.4		94.94
14	1,545	6.00	5.9		98.90
15	1,679	6.33	5.7		99.73
16	1,813	6.28	5.2		100.55
17	2,053	5.79	4.3		101.87
18	2,987	5.46	2.8		104.85
19	3,705	7.20	2.9		105.79
20	5,138	7.88	2.3		107.60
21	5,919	6.32	1.6		108.59
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**

... Region table for sample 8 : BC syn A4 (1:2)

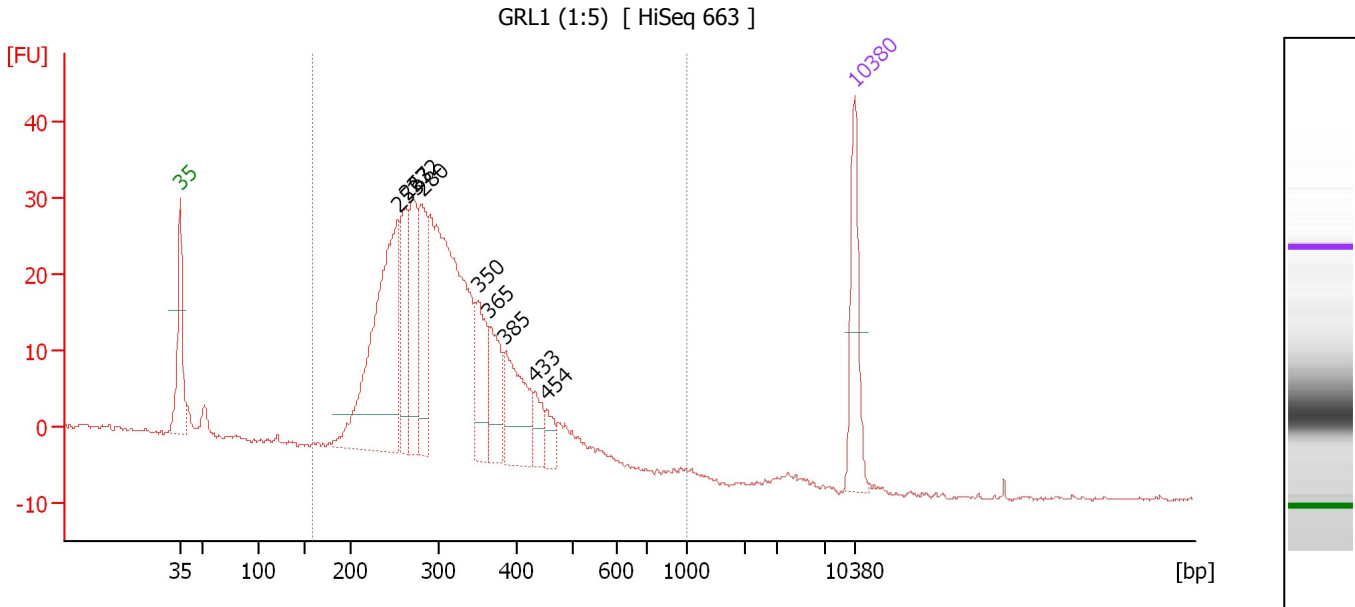
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
164	6,573	1,012	870.6	4,495.2	■ 1,248.22	94	100.0



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : GRL1 (1:5)**

Number of peaks found: 9                      Corr. Area 1: 566.4  
 Noise: 0.2

**Peak table for sample 9 : GRL1 (1:5)**

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	253	380.59	2,277.9		65.58
3	263	120.02	690.3		66.52
4	272	121.80	678.7		67.29
5	280	124.14	670.9		68.07
6	350	88.02	380.5		73.93
7	365	77.91	323.5		75.09
8	385	108.53	426.6		76.75
9	433	29.34	102.7		79.80
10	454	21.67	72.3		81.02
11	10,380	75.00	10.9	Upper Marker	113.00

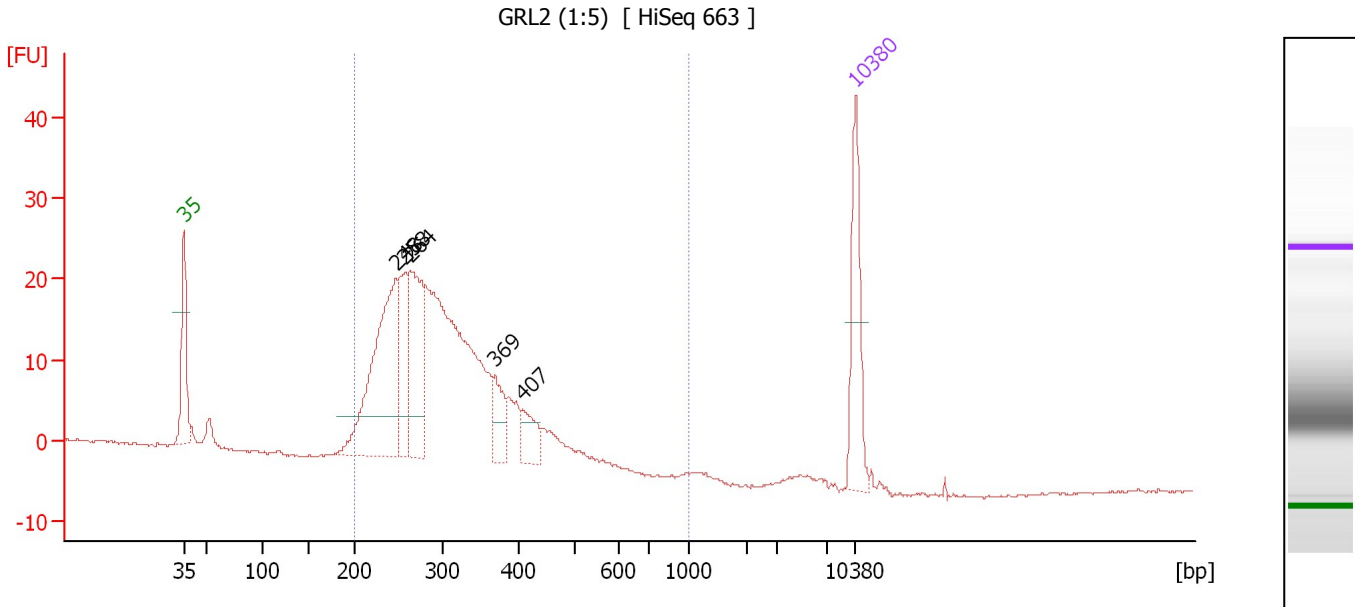
**Region table for sample 9 : GRL1 (1:5)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
159	1,000	313	566.4	7,937.9	1,542.91	97	22.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : GRL2 (1:5)**

Number of peaks found: 5                      Corr. Area 1: 379.0  
 Noise: 0.2

**Peak table for sample 10 : GRL2 (1:5)**

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	248	268.88	1,642.3		65.11
3	258	82.73	485.1		66.06
4	264	146.28	838.1		66.61
5	369	43.24	177.4		75.44
6	407	35.60	132.5		78.33
7	10,380	75.00	10.9	Upper Marker	113.00

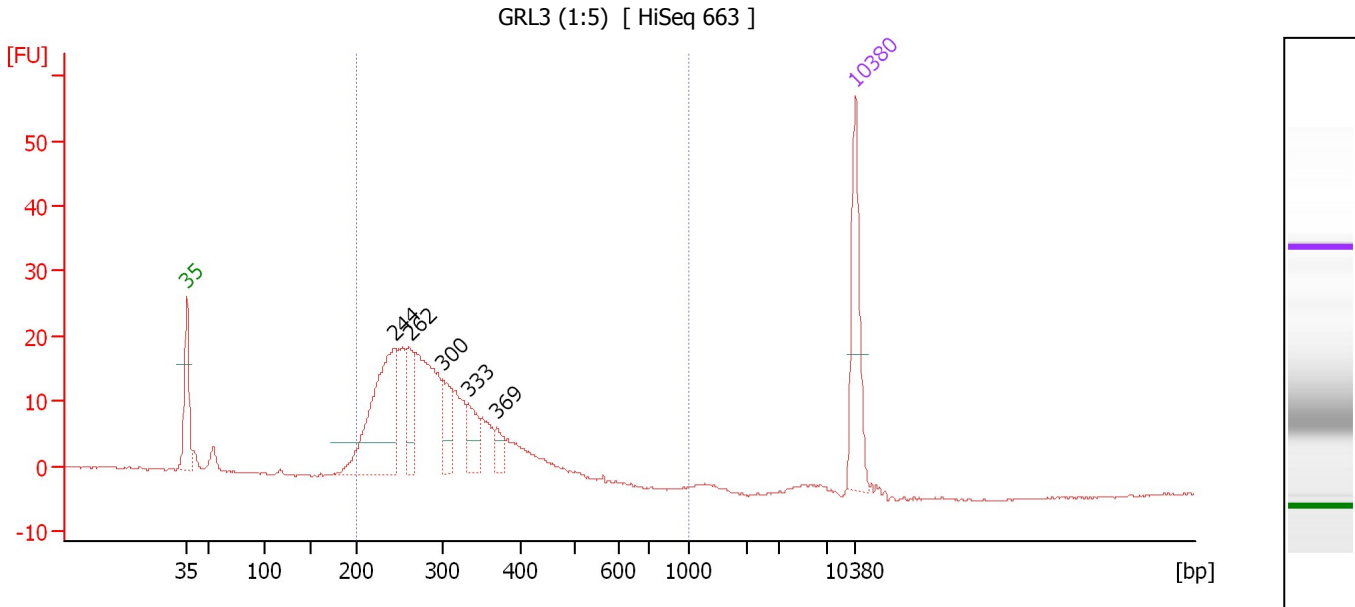
**Region table for sample 10 : GRL2 (1:5)**

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	305	379.0	5,547.4	1,058.44	97	21.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : GRL3 (1:5)**

Number of peaks found: 5                      Corr. Area 1: 312.1  
 Noise: 0.2

**Peak table for sample 11 : GRL3 (1:5)**

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	244	202.92	1,262.5		64.70
3	262	58.55	338.8		66.37
4	300	52.69	266.5		69.83
5	333	39.03	177.7		72.51
6	369	17.64	72.5		75.41
7	10,380	75.00	10.9	Upper Marker	113.00

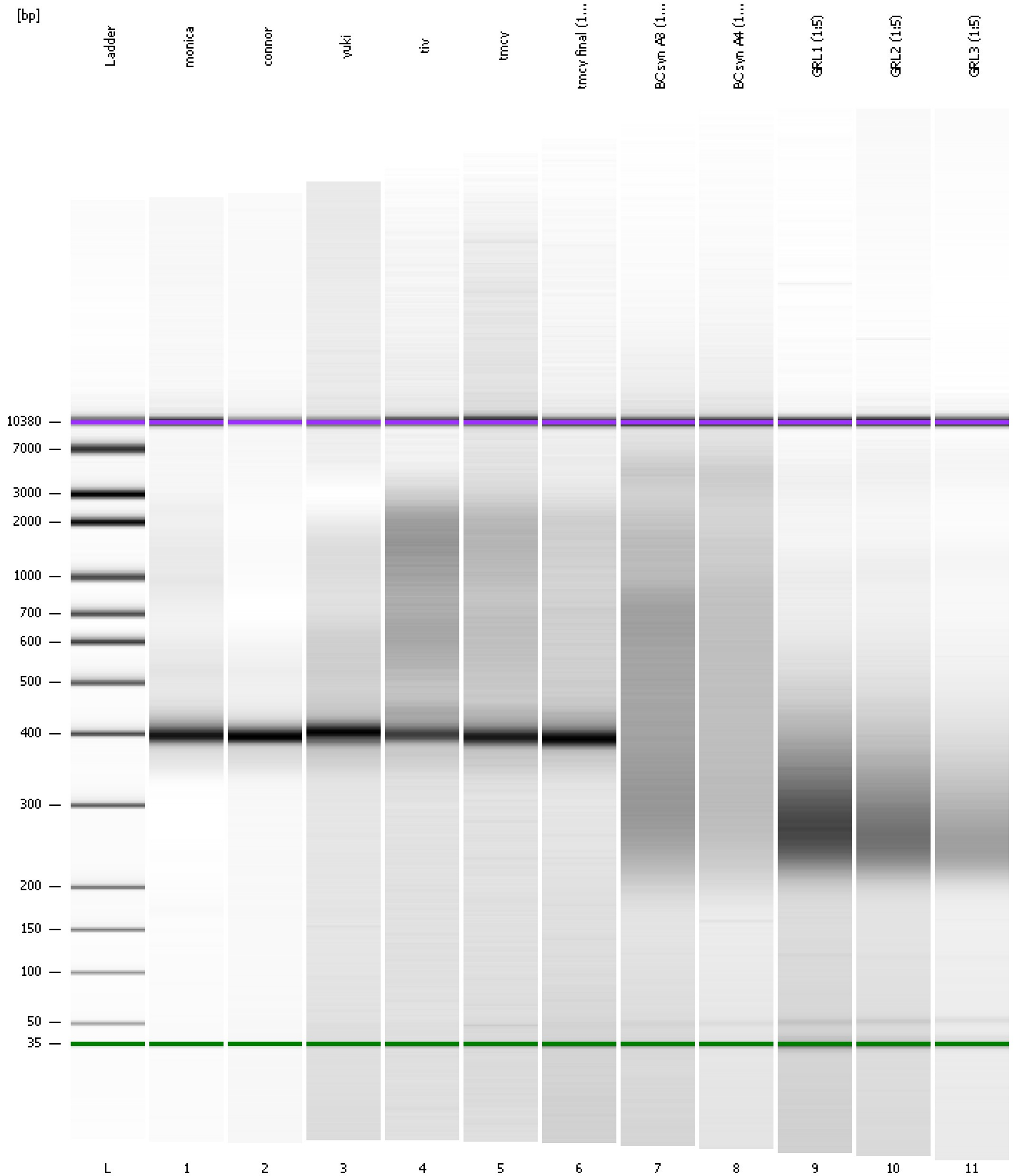
**Region table for sample 11 : GRL3 (1:5)**

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	296	312.1	4,004.7	745.06	96	21.2

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
Modified: 9/7/2016 12:12:05 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-07\2016-09-07\_001.xad

Created: 9/7/2016 11:21:20 AM  
 Modified: 9/7/2016 12:12:05 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		9/7/2016 12:02:39 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\2016-09-07\2016-09-07_001.xad)		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/7/2016 11:21:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1