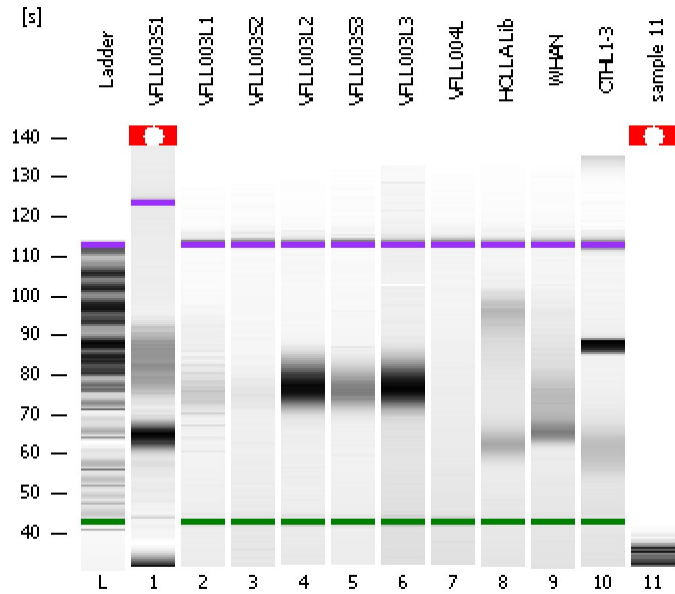


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
Modified: 6/25/2012 10:43:22 AM

Electrophoresis File Run Summary



Instrument Information:

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

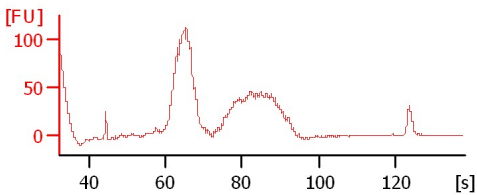
Assay Information:

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

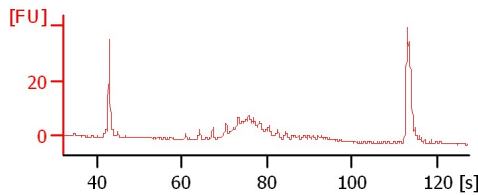
Chip Information:

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

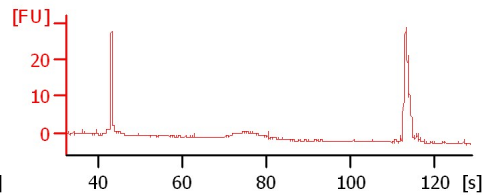
VFL003S1



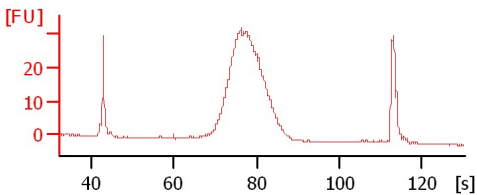
VFL003L1



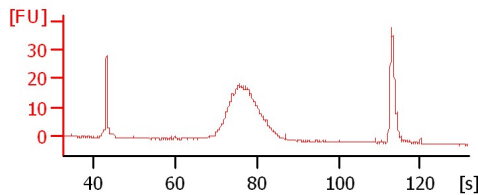
VFL003S2



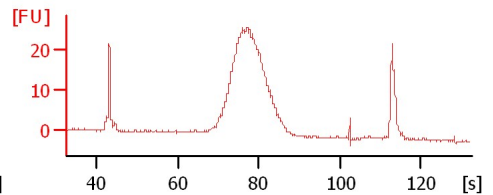
VFL003L2



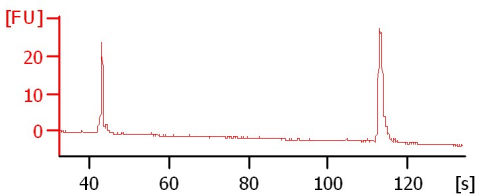
VFL003S3



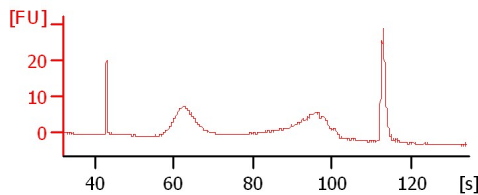
VFL003L3



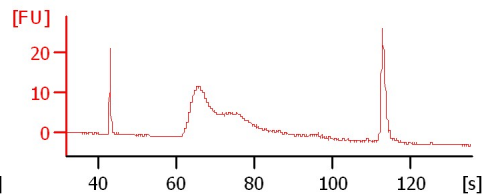
VFL004L



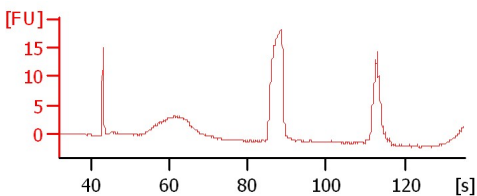
HOLA Lib



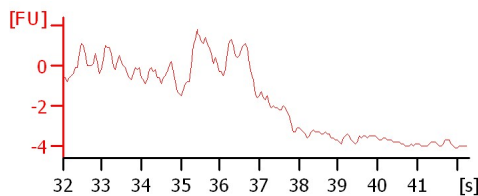
WHAN



CTHL1-3



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
VFLL003S1		<input type="checkbox"/>	✓			
VFLL003L1		<input type="checkbox"/>	✓			
VFLL003S2		<input type="checkbox"/>	✓			
VFLL003L2		<input type="checkbox"/>	✓			
VFLL003S3		<input type="checkbox"/>	✓			
VFLL003L3		<input type="checkbox"/>	✓			
VFLL004L		<input type="checkbox"/>	✓			
HOLLA Lib		<input type="checkbox"/>	✓			
WHAN		<input type="checkbox"/>	✓			
CTHL1-3		<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\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
Modified: 6/25/2012 10:43:22 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] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

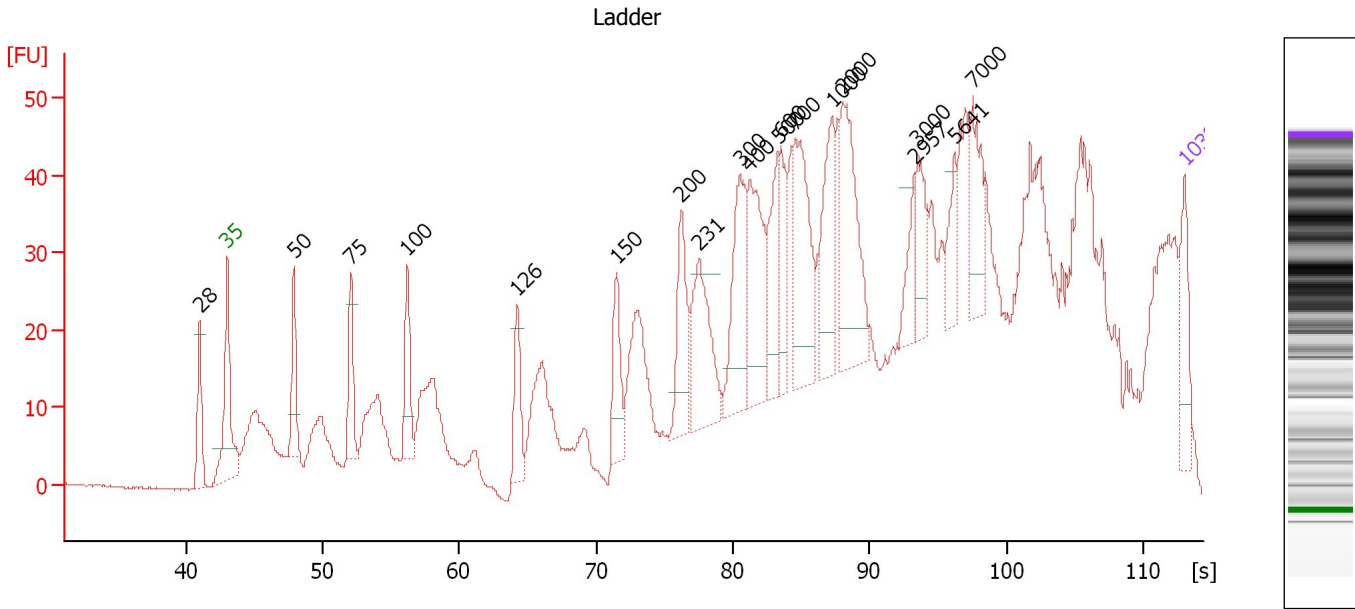
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

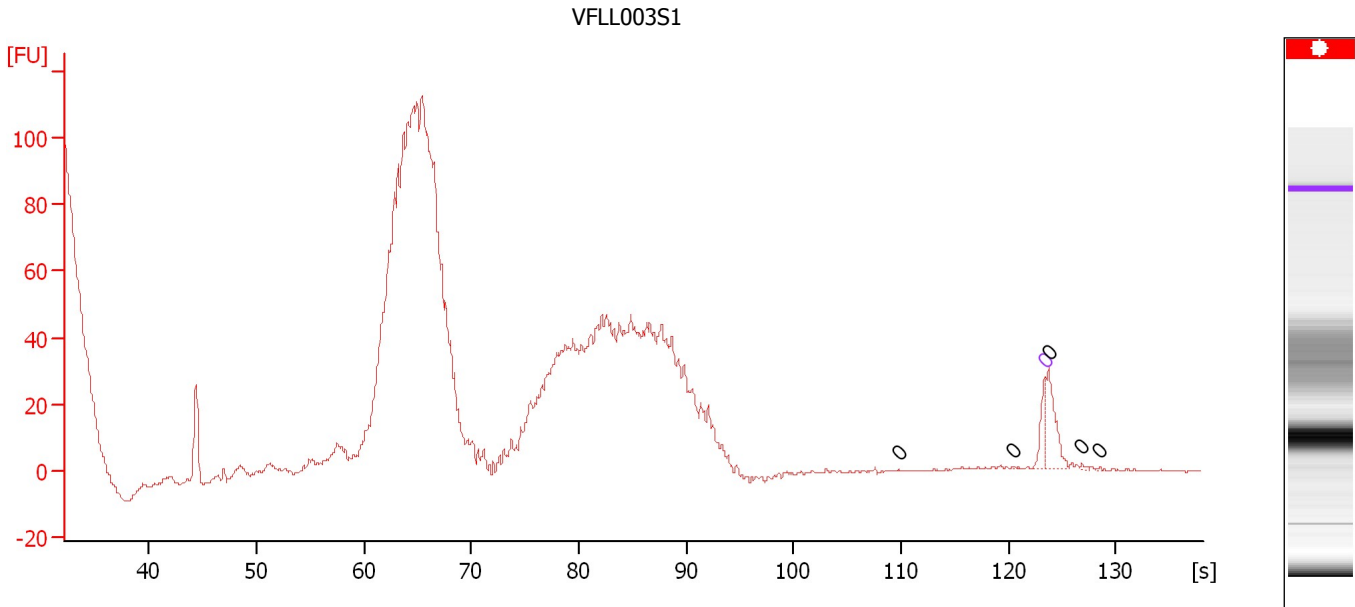
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	28	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	50	150.00	4,545.5	Ladder Peak
4	75	0.00	0.0	
5	100	150.00	2,272.7	Ladder Peak
6	126	0.00	0.0	
7	150	150.00	1,515.2	Ladder Peak
8	200	150.00	1,136.4	Ladder Peak
9	231	0.00	0.0	
10	300	150.00	757.6	Ladder Peak
11	400	150.00	568.2	Ladder Peak
12	500	150.00	454.5	Ladder Peak
13	600	150.00	378.8	Ladder Peak
14	700	150.00	324.7	Ladder Peak
15	1,000	150.00	227.3	Ladder Peak
16	2,000	150.00	113.6	Ladder Peak
17	2,957	0.00	0.0	
18	3,000	150.00	75.8	Ladder Peak
19	5,641	0.00	0.0	
20	7,000	150.00	32.5	Ladder Peak
21	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 1 : VFL003S1

Height Threshold [FU] : 0

Overall Results for sample 1 : VFL003S1

Number of peaks found: 0 Noise: 0.4

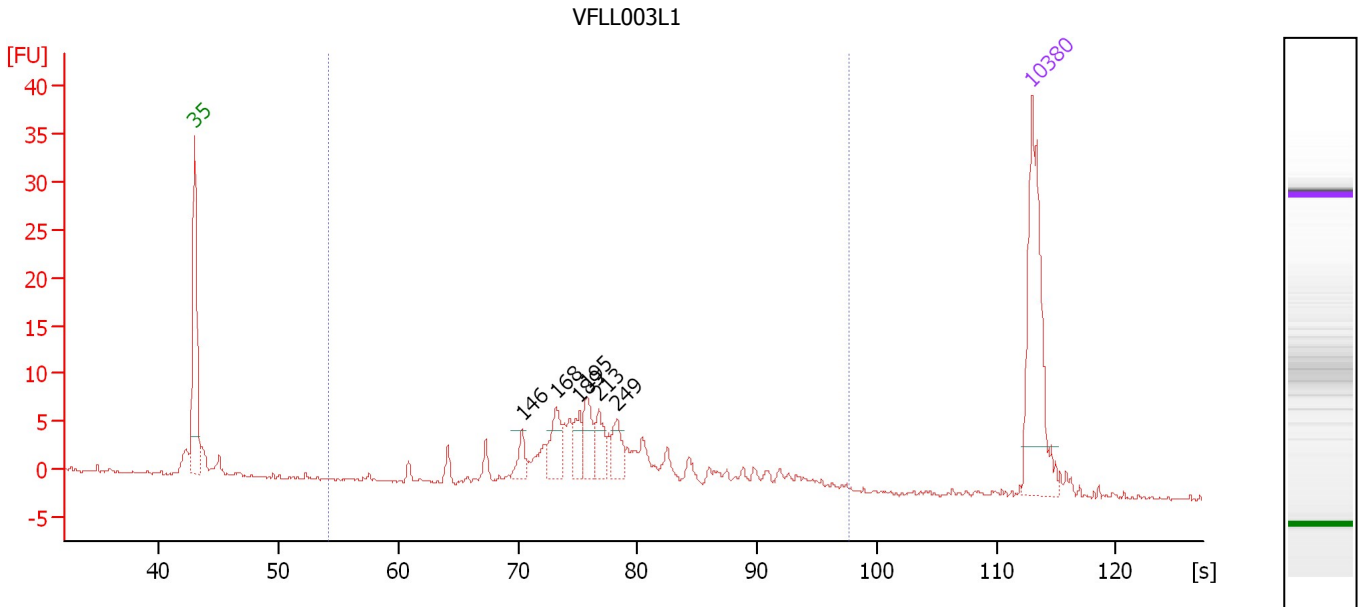
Peak table for sample 1 : VFL003S1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	0	0.00	0.0	
3	0	0.00	0.0	Upper Marker
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : VFL003L1

Number of peaks found: 6 Corr. Area 1: 113.0
 Noise: 0.1

Peak table for sample 2 : VFL003L1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	146	15.61	161.6	
3	168	30.69	277.2	
4	189	18.94	152.1	
5	195	28.58	221.6	
6	213	20.43	145.4	
7	249	19.96	121.6	
8	10,380	75.00	10.9	Upper Marker

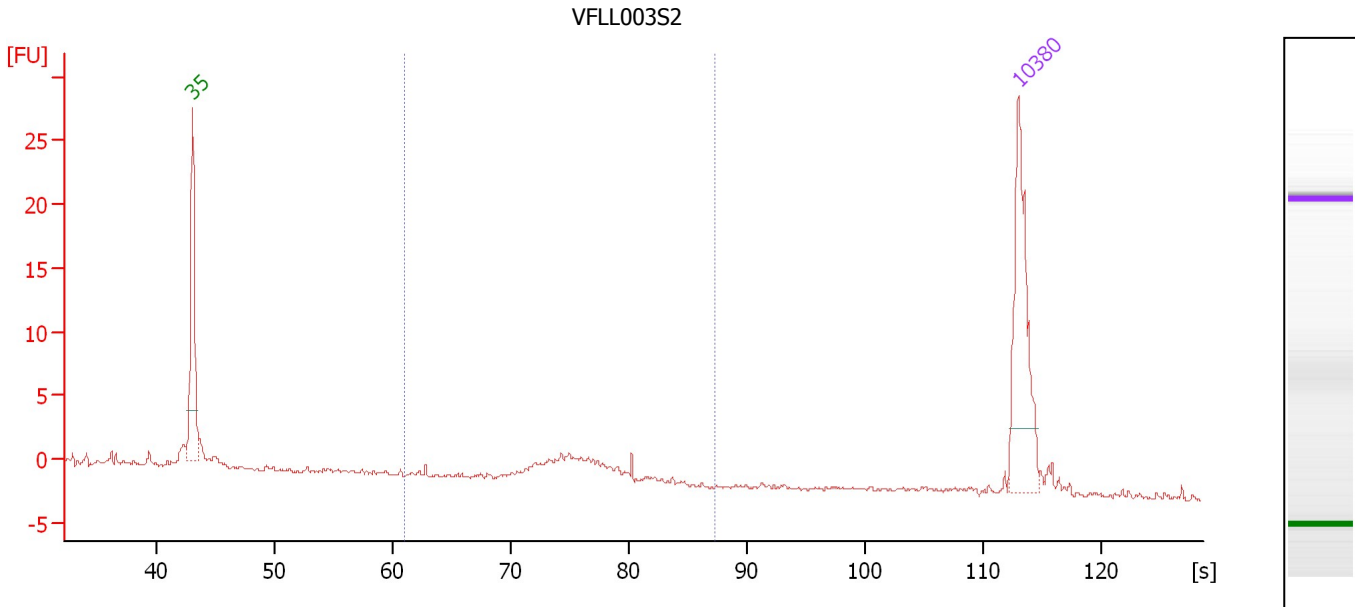
Region table for sample 2 : VFL003L1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
88	7,021	633	2,061.9	290.57	113.0	88	100.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : VFL003S2

Number of peaks found: 0 Corr. Area 1: 17.4
 Noise: 0.2

Peak table for sample 3 : VFL003S2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

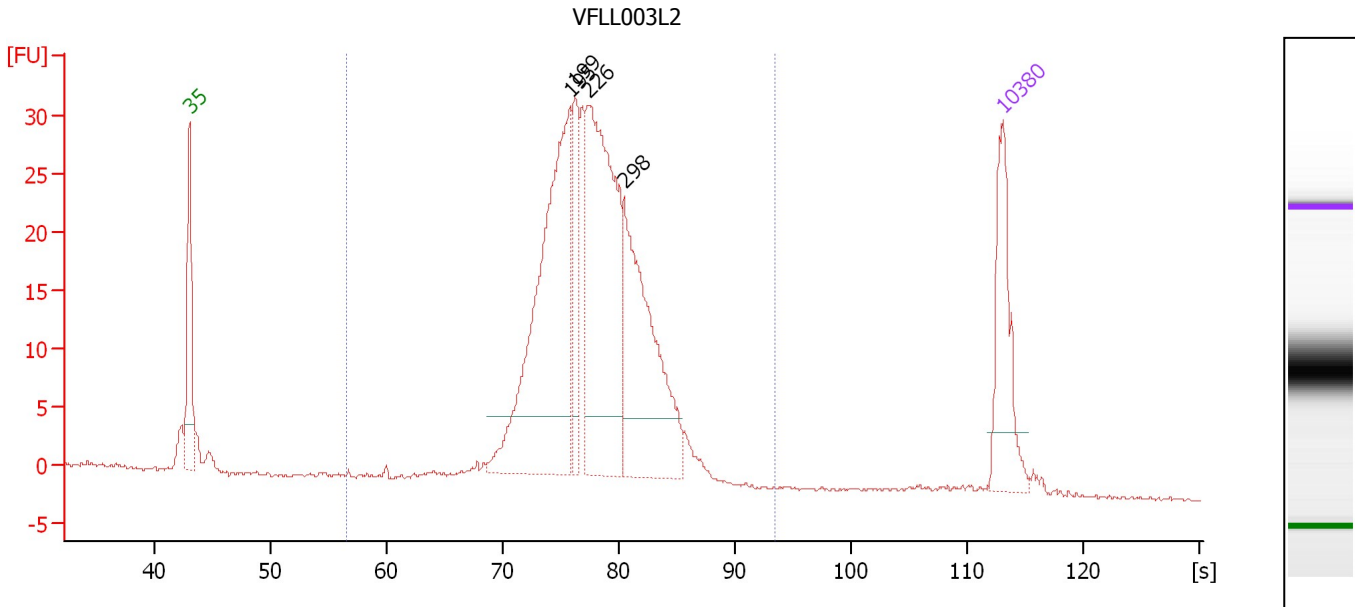
Region table for sample 3 : VFL003S2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
116	1,000	208	531.9	67.43	17.4	48	30.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : VFL003L2

Number of peaks found: 4 Corr. Area 1: 419.6
 Noise: 0.1

Peak table for sample 4 : VFL003L2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	195	455.32	3,530.5	
3	199	87.02	661.5	
4	226	391.72	2,631.5	
5	298	260.61	1,325.4	
6	10,380	75.00	10.9	Upper Marker

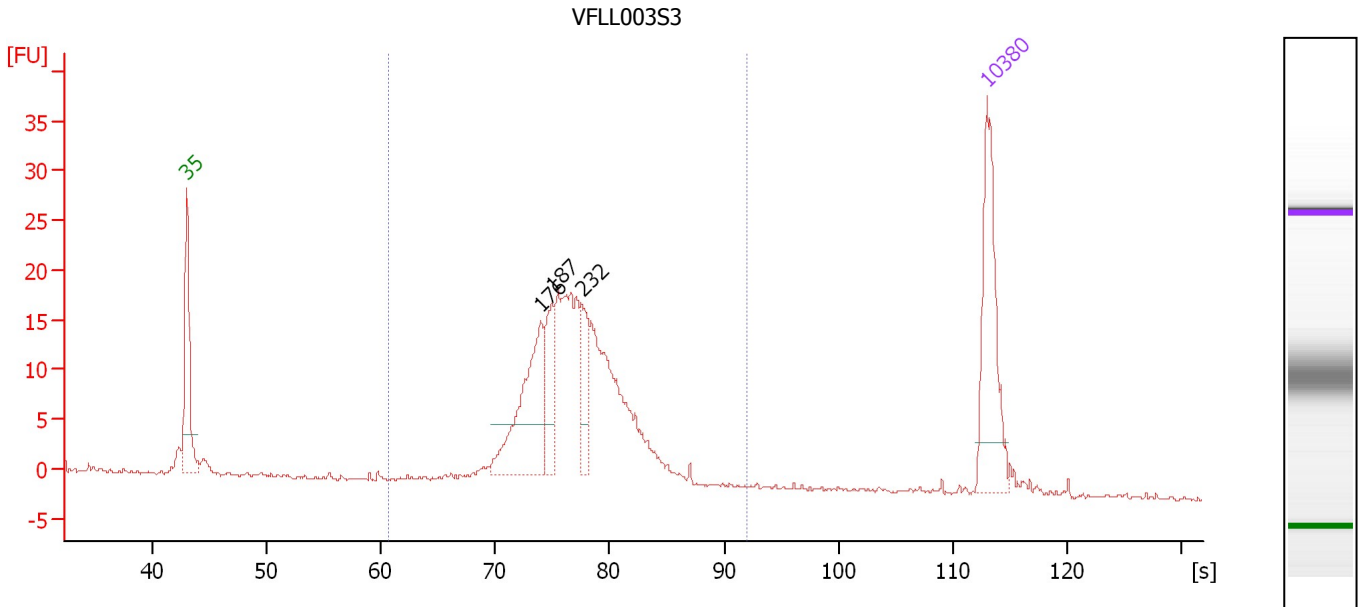
Region table for sample 4 : VFL003L2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
101	2,992	289	8,974.0	1,335.77	419.6	96	66.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : VFL003S3

Number of peaks found: 3 Corr. Area 1: 226.9
 Noise: 0.2

Peak table for sample 5 : VFL003S3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	176	138.58	1,192.5	
3	187	51.71	418.9	
4	232	43.95	287.2	
5	10,380	75.00	10.9	Upper Marker

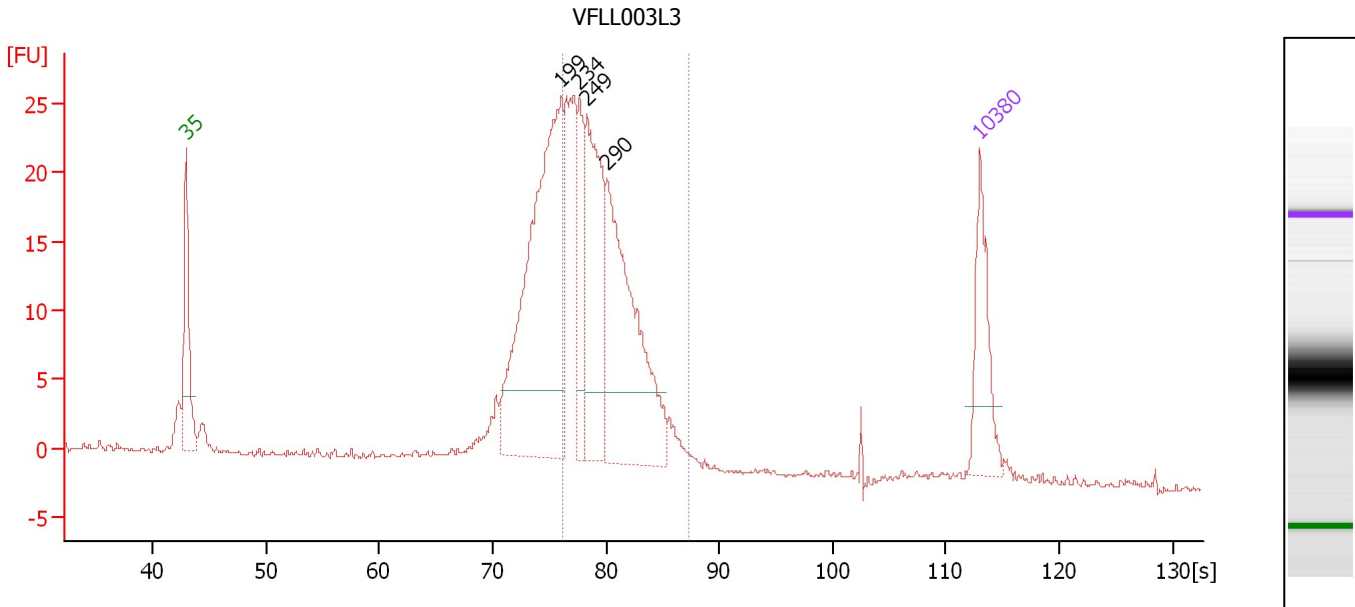
Region table for sample 5 : VFL003S3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
114	2,713	264	4,374.0	617.01	226.9	94	69.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : VFL003L3

Number of peaks found: 4 Corr. Area 1: 207.6
 Noise: 0.2

Peak table for sample 6 : VFL003L3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	199	618.62	4,713.5	
3	234	101.93	660.0	
4	249	259.33	1,574.9	
5	290	358.76	1,871.6	
6	10,380	75.00	10.9	Upper Marker

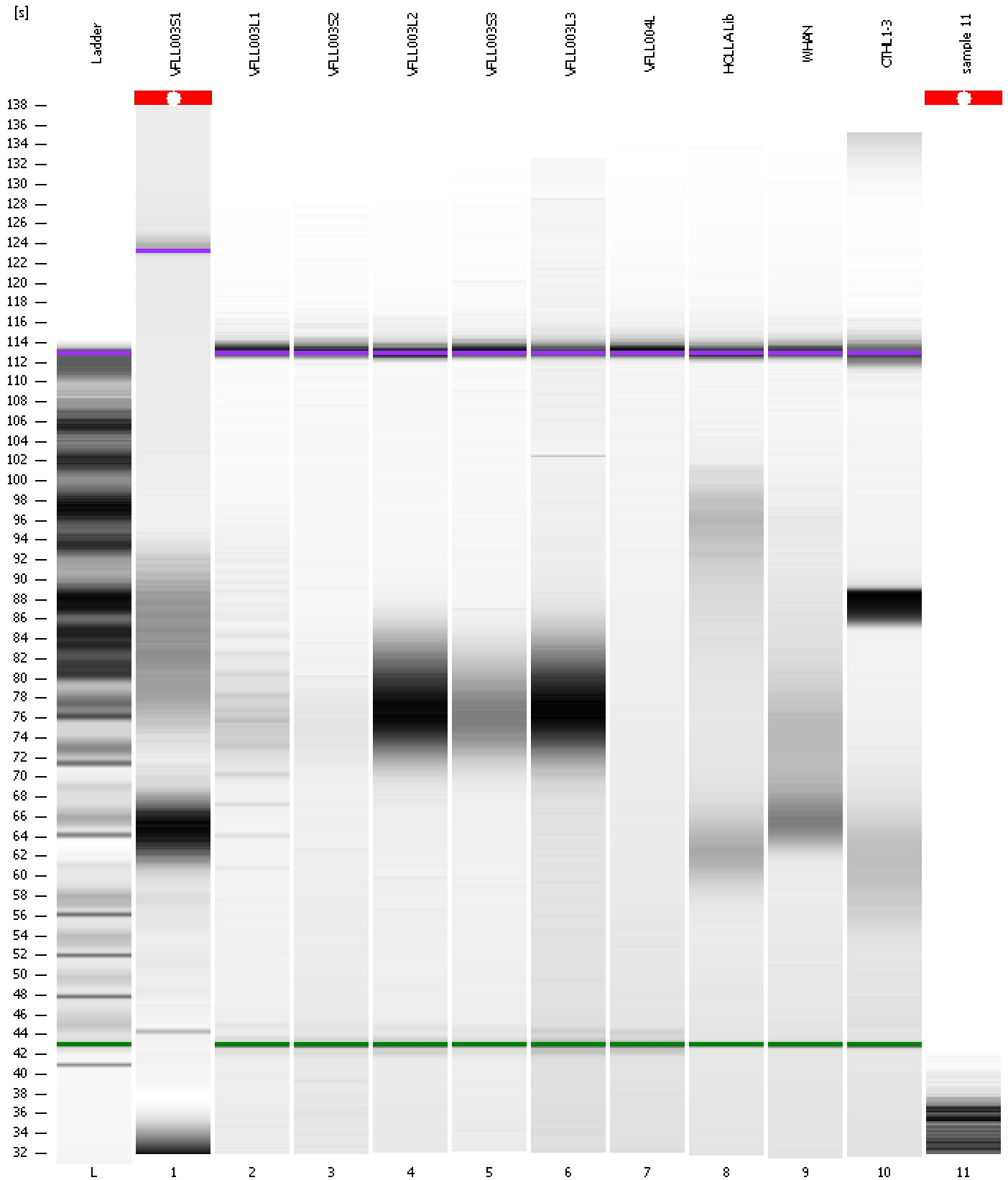
Region table for sample 6 : VFL003L3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	339	5,043.8	953.22	207.6	55	47.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
Modified: 6/25/2012 10:43:22 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad

Created: 6/25/2012 10:03:52 AM
 Modified: 6/25/2012 10:43:22 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		6/25/2012 10:43:19 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-06-25\2012-06-25_001.xad)		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		6/25/2012 10:03:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1