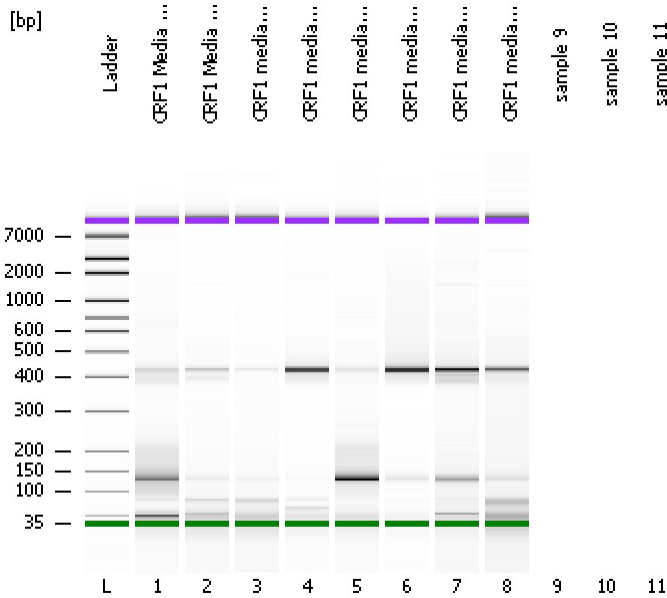


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
Modified: 5/9/2012 11:39:50 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

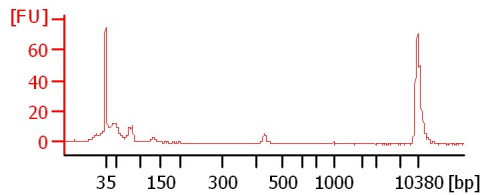
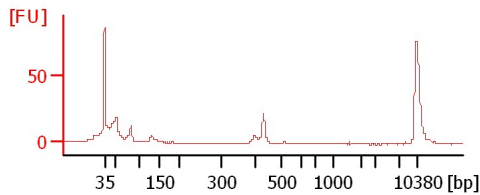
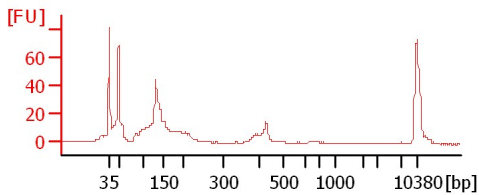
Chip Information:

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

CRF1 Media 72hr cont

CRF1 Media 7day cont

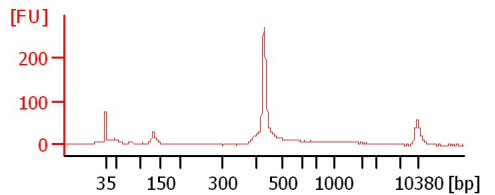
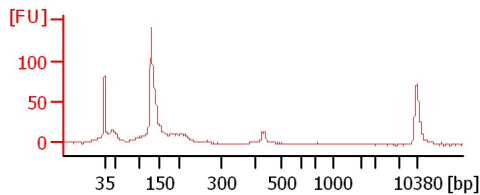
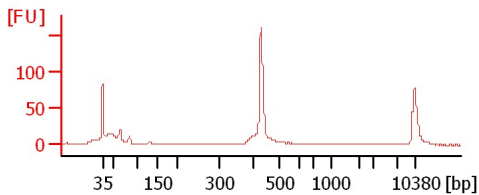
CRF1 media 14day cont



CRF1 media 24hr exp

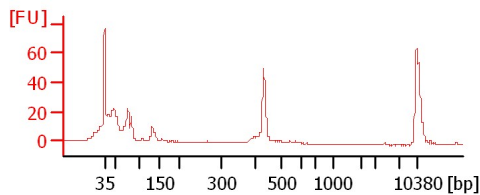
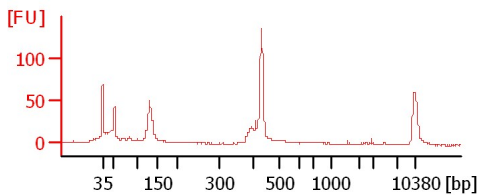
CRF1 media 48hr exp

CRF1 media 72hr exp



CRF1 media 7day exp

CRF1 media 14day exp



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
Modified: 5/9/2012 11:39:50 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CRF1 Media 72hr cont		<input type="checkbox"/>	✓			
CRF1 Media 7day cont		<input type="checkbox"/>	✓			
CRF1 media 14day cont		<input type="checkbox"/>	✓			
CRF1 media 24hr exp		<input type="checkbox"/>	✓			
CRF1 media 48hr exp		<input type="checkbox"/>	✓			
CRF1 media 72hr exp		<input type="checkbox"/>	✓			
CRF1 media 7day exp		<input type="checkbox"/>	✓			
CRF1 media 14day exp		<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\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
Modified: 5/9/2012 11:39:50 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

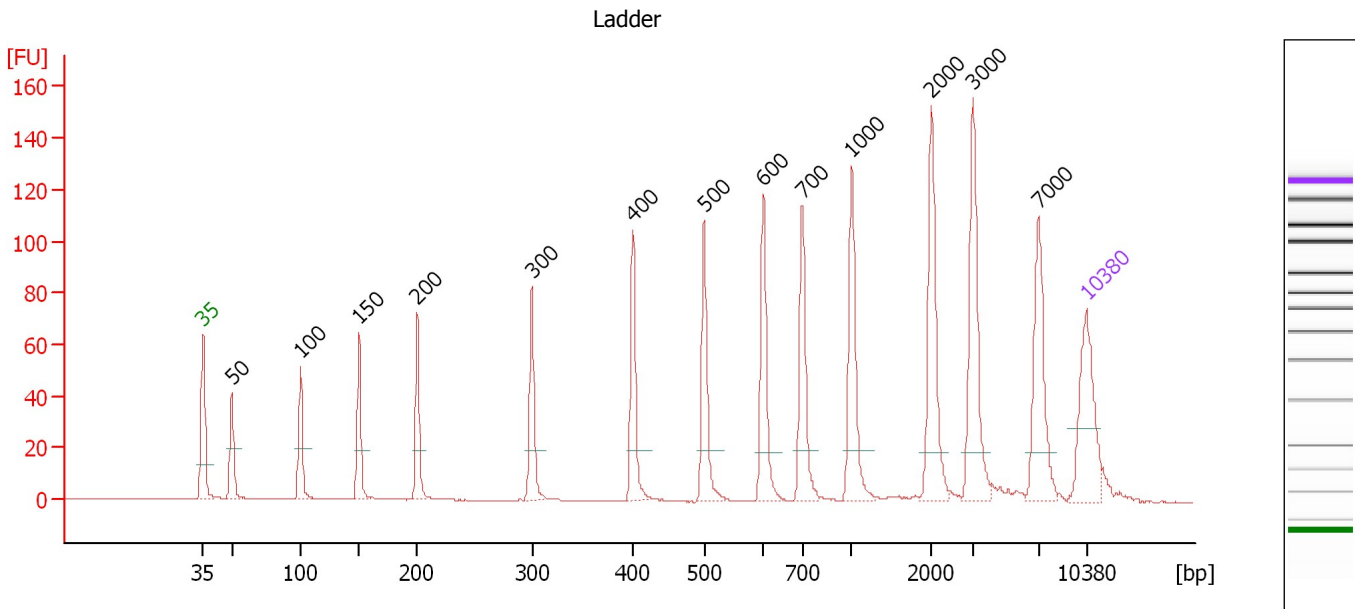
Ladder

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\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

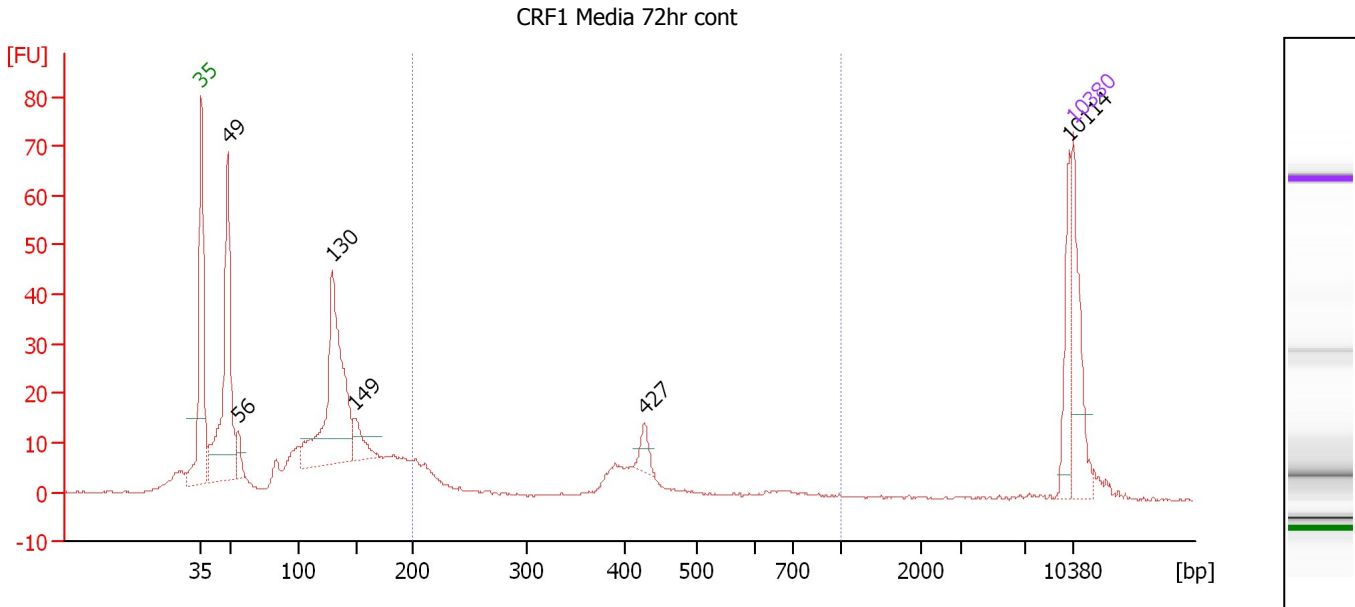
Peak table for Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CRF1 Media 72hr cont

Number of peaks found: 6 Corr. Area 1: 81.9
 Noise: 0.2

Peak table for sample 1 : CRF1 Media 72hr cont

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	307.99	9,563.7	
3	56	27.11	731.3	
4	130	321.02	3,750.7	
5	149	40.83	416.4	
6	427	19.73	70.0	
7	10,114	45.40	6.8	
8	10,380	75.00	10.9	Upper Marker

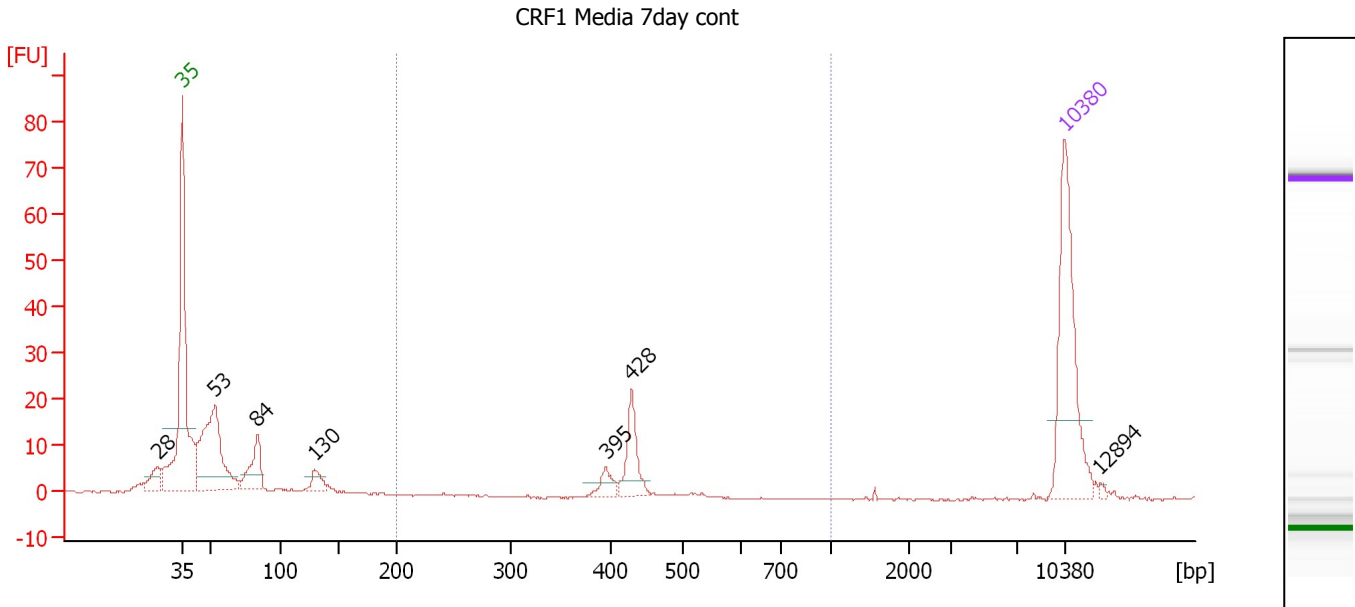
Region table for sample 1 : CRF1 Media 72hr cont

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/μl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	810.4	380	166.86	1,000	81.9	14	34.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : CRF1 Media 7day cont

Height Threshold [FU] : 3

Overall Results for sample 2 : CRF1 Media 7day cont

Number of peaks found: 7 Corr. Area 1: 39.0
 Noise: 0.1

Peak table for sample 2 : CRF1 Media 7day cont

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	53	122.14	3,516.9	
4	84	35.64	644.7	
5	130	13.55	157.8	
6	395	11.16	42.8	
7	428	28.93	102.4	
8	10,380	75.00	10.9	Upper Marker
9	12,894	0.00	0.0	

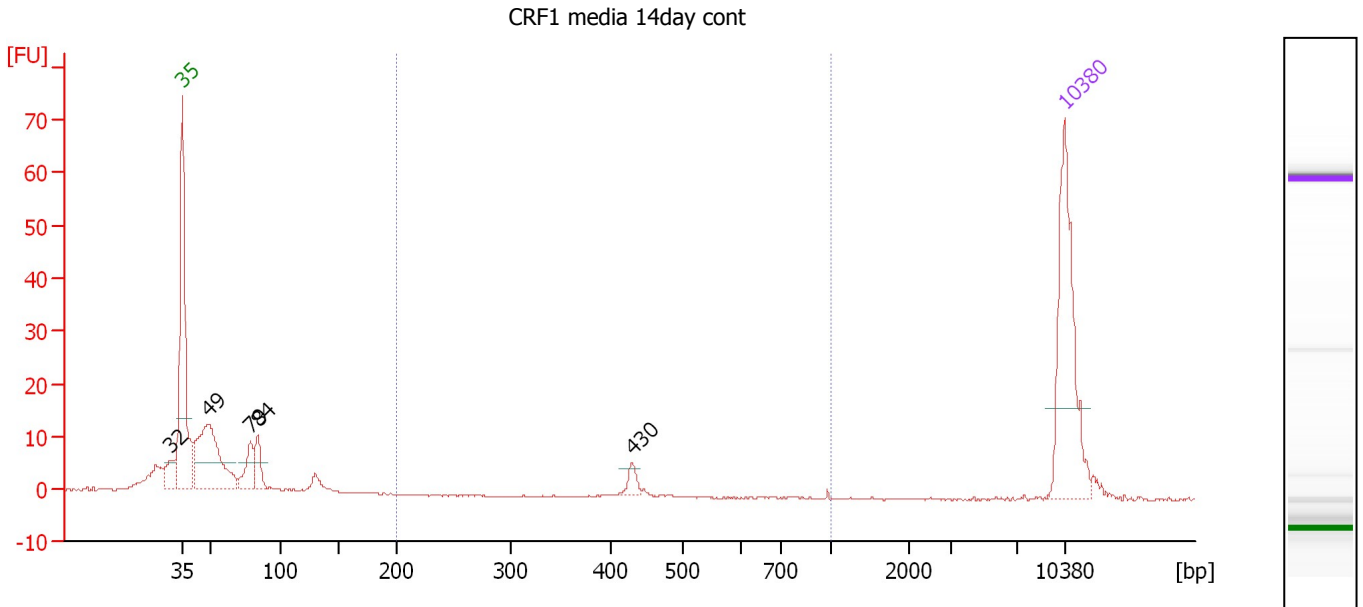
Region table for sample 2 : CRF1 Media 7day cont

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/μl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	151.7	425	42.39	1,000	39.0	20	6.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CRF1 media 14day cont

Number of peaks found: 5 Corr. Area 1: 7.8
 Noise: 0.1

Peak table for sample 3 : CRF1 media 14day cont

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	49	109.16	3,384.4	
4	79	25.61	490.7	
5	84	20.83	376.2	
6	430	7.58	26.7	
7	10,380	75.00	10.9	Upper Marker

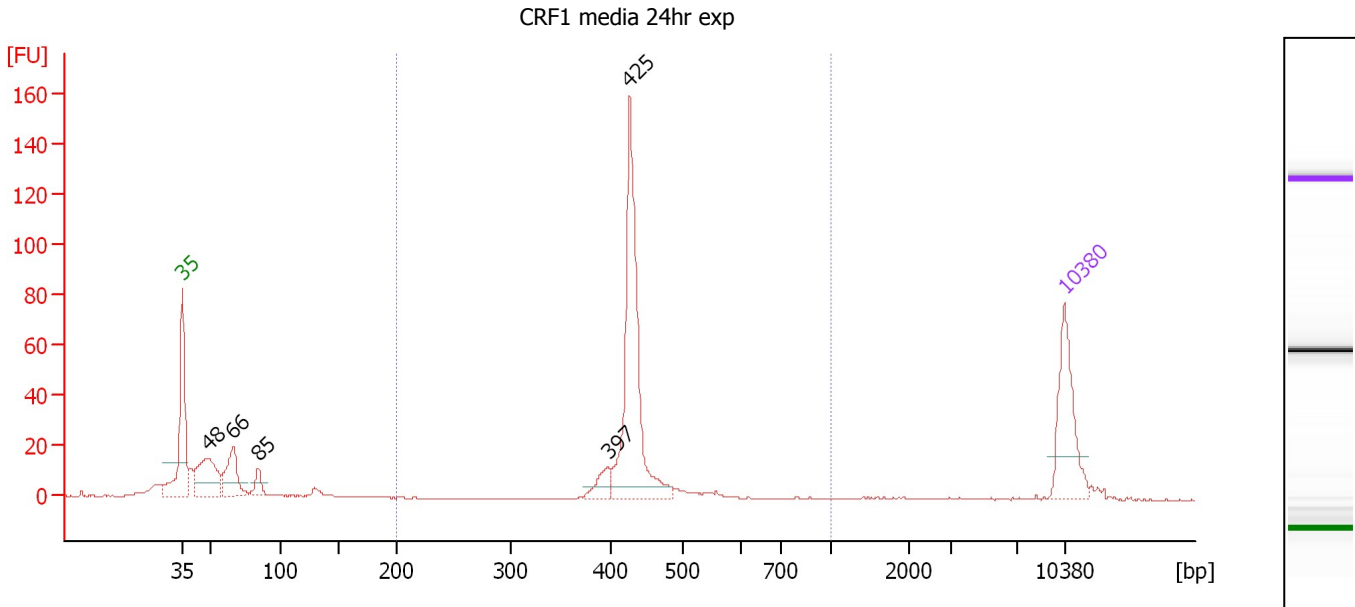
Region table for sample 3 : CRF1 media 14day cont

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	32.2	448	9.24	1,000	7.8	5	22.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CRF1 media 24hr exp

Number of peaks found: 5 Corr. Area 1: 258.2
 Noise: 0.2

Peak table for sample 4 : CRF1 media 24hr exp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	105.87	3,309.4	
3	66	75.07	1,716.9	
4	85	22.52	403.2	
5	397	24.63	94.1	
6	425	263.59	938.7	
7	10,380	75.00	10.9	Upper Marker

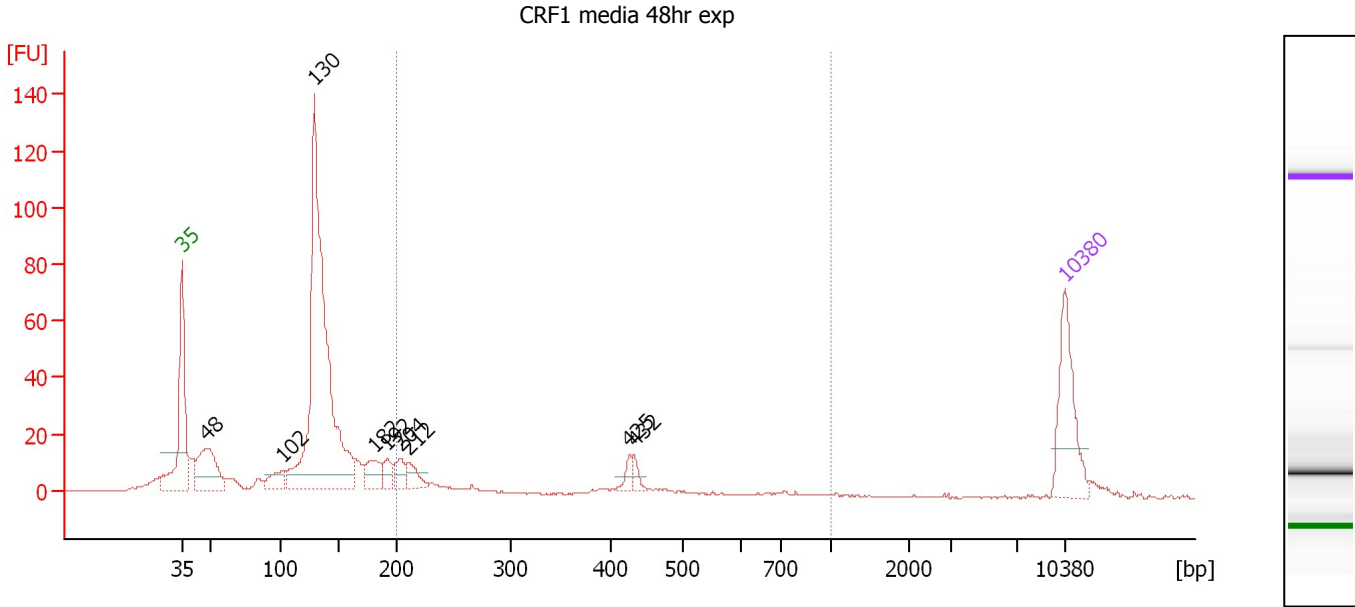
Region table for sample 4 : CRF1 media 24hr exp

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/μl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,022.3	431	290.18	1,000	258.2	63	6.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CRF1 media 48hr exp

Number of peaks found: 9 Corr. Area 1: 101.3
 Noise: 0.2

Peak table for sample 5 : CRF1 media 48hr exp

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	108.02	3,408.7	
3	102	32.35	480.5	
4	130	622.99	7,283.3	
5	182	34.85	289.8	
6	192	19.33	152.2	
7	204	22.14	164.6	
8	212	24.41	174.8	
9	425	11.78	42.0	
10	432	10.87	38.1	
11	10,380	75.00	10.9	Upper Marker

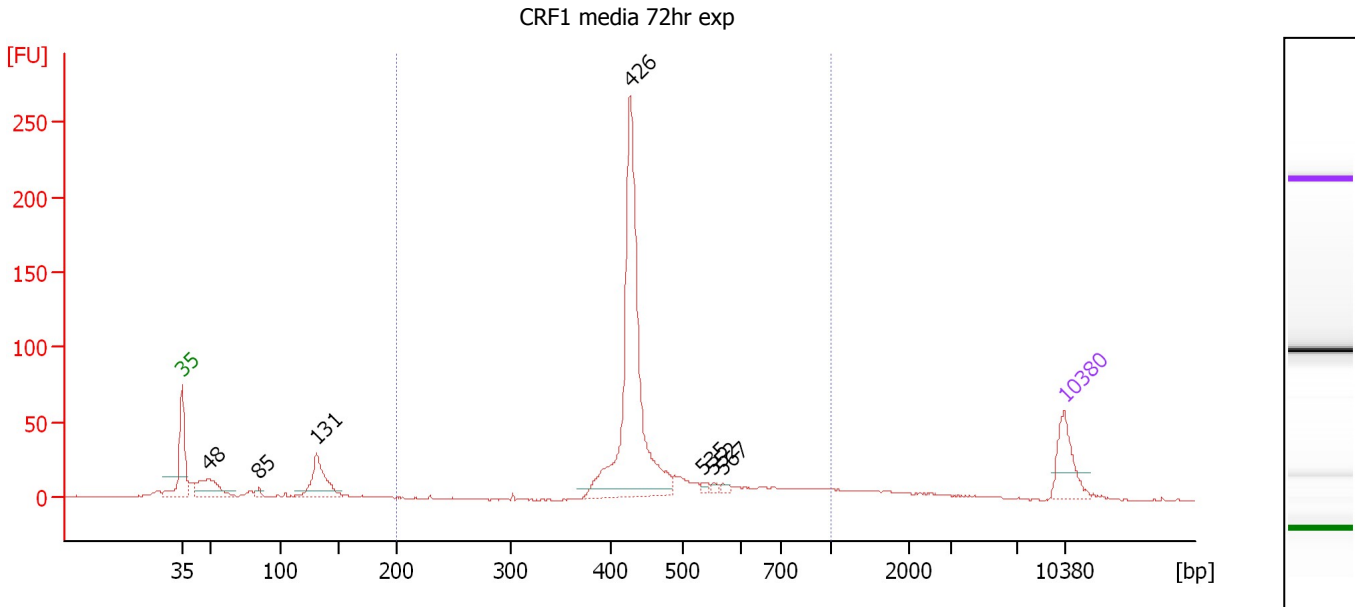
Region table for sample 5 : CRF1 media 48hr exp

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/µl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	728.7	349	134.08	1,000	101.3	14	42.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CRF1 media 72hr exp

Number of peaks found: 7 Corr. Area 1: 635.4
 Noise: 0.3

Peak table for sample 6 : CRF1 media 72hr exp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	128.19	4,017.4	
3	85	13.39	238.8	
4	131	150.80	1,739.5	
5	426	704.38	2,503.2	
6	535	8.38	23.7	
7	552	7.36	20.2	
8	567	6.99	18.7	
9	10,380	75.00	10.9	Upper Marker

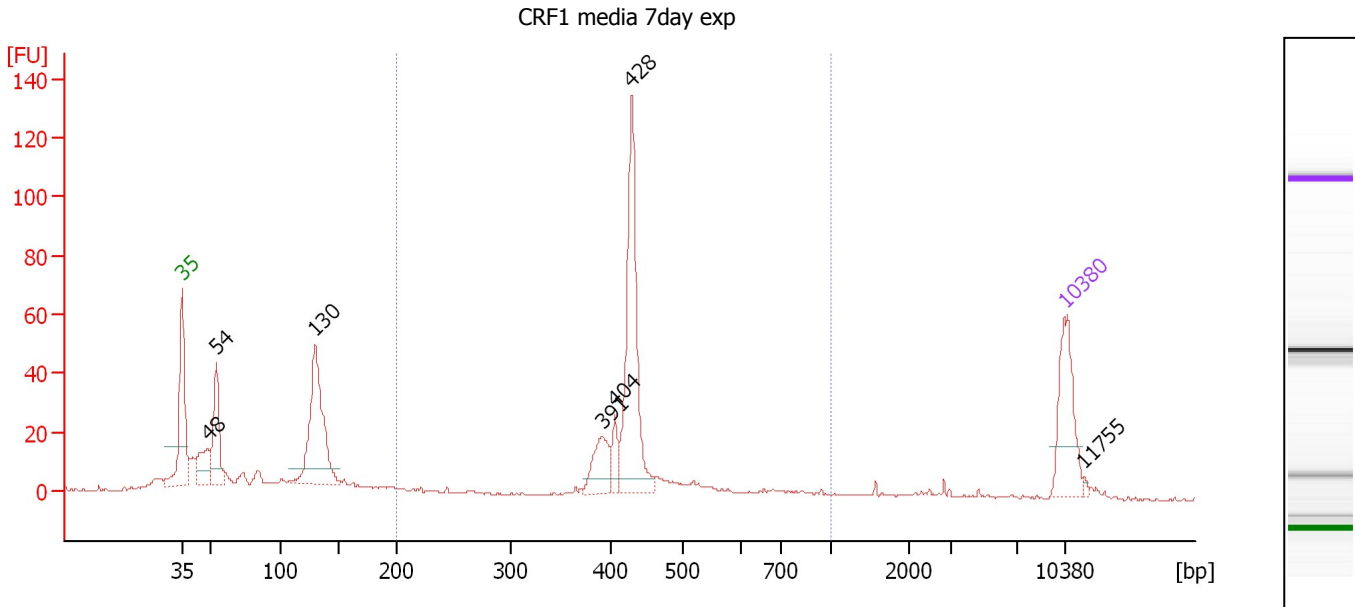
Region table for sample 6 : CRF1 media 72hr exp

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/μl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	3,004.1	476	899.85	1,000	635.4	71	23.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CRF1 media 7day exp

Number of peaks found: 7 Corr. Area 1: 286.1
 Noise: 0.4

Peak table for sample 7 : CRF1 media 7day exp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	60.89	1,915.6	
3	54	103.62	2,924.2	
4	130	222.73	2,588.8	
5	391	56.72	220.0	
6	404	24.74	92.7	
7	428	228.83	809.2	
8	10,380	75.00	10.9	Upper Marker
9	11,755	0.00	0.0	

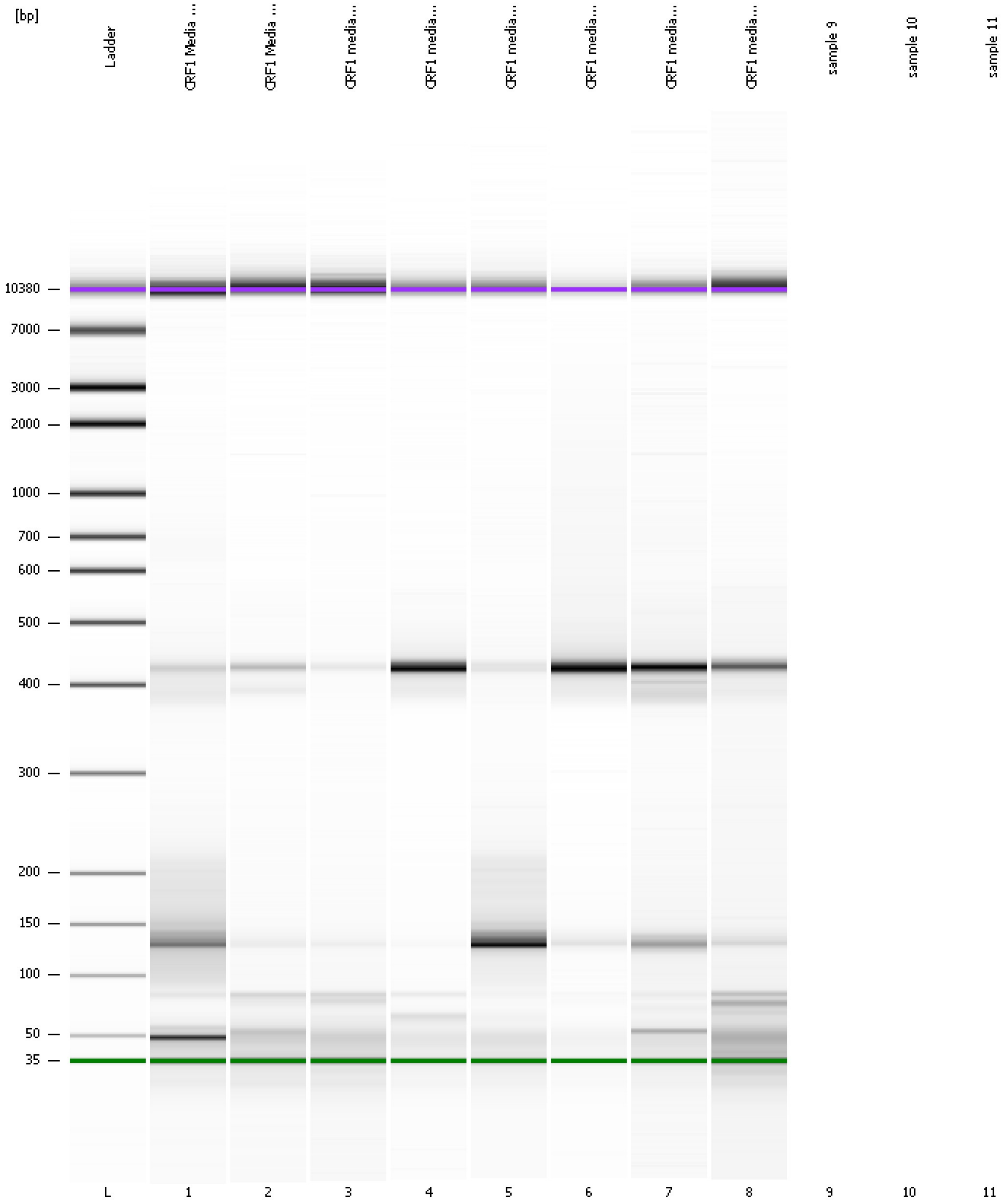
Region table for sample 7 : CRF1 media 7day exp

From [bp]	Molarity [pmol/l]	Average Size [bp]	Conc. [pg/μl]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,459.6	442	402.00	1,000	286.1	43	21.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
Modified: 5/9/2012 11:39:50 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad

Created: 5/9/2012 11:07:04 AM
 Modified: 5/9/2012 11:39:50 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		5/9/2012 11:39:47 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-05-09\2012-05-09_001.xad)		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/9/2012 11:07:10 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1