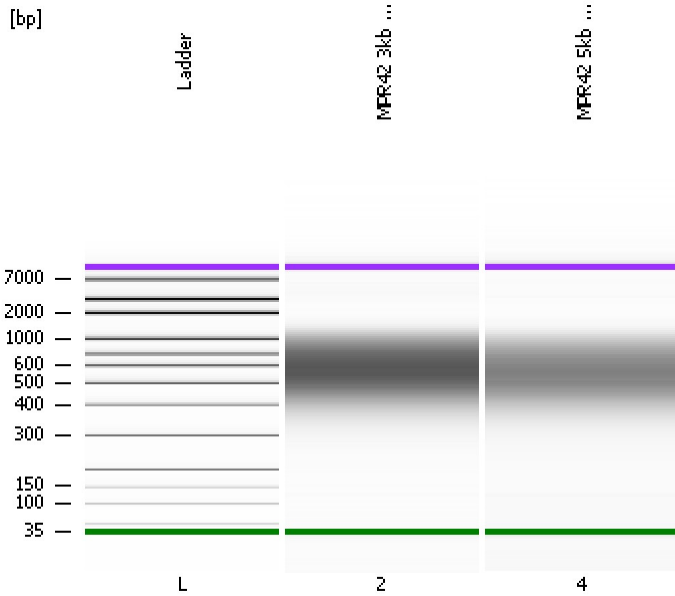


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPLibs_2.xad

Created: 6/15/2015 3:52:55 PM
Modified: 6/15/2015 4:38:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

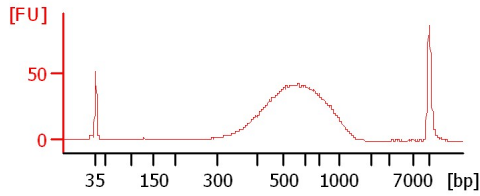
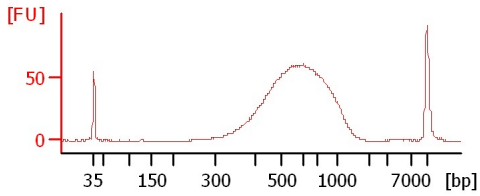
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

MPR42 3kb Mate Pair Lib 1:3

MPR42 5kb Mate Pair Lib



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPlibs_2.xad

Created: 6/15/2015 3:52:55 PM
 Modified: 6/15/2015 4:38:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
MPR42 3kb Mate Pair Lib 1:3		<input type="checkbox"/>	✓			
MPR42 5kb Mate Pair Lib		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			
Chip Lot #				Reagent Kit Lot #		

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPlibs_2.xad

Created: 6/15/2015 3:52:55 PM
Modified: 6/15/2015 4:38:30 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

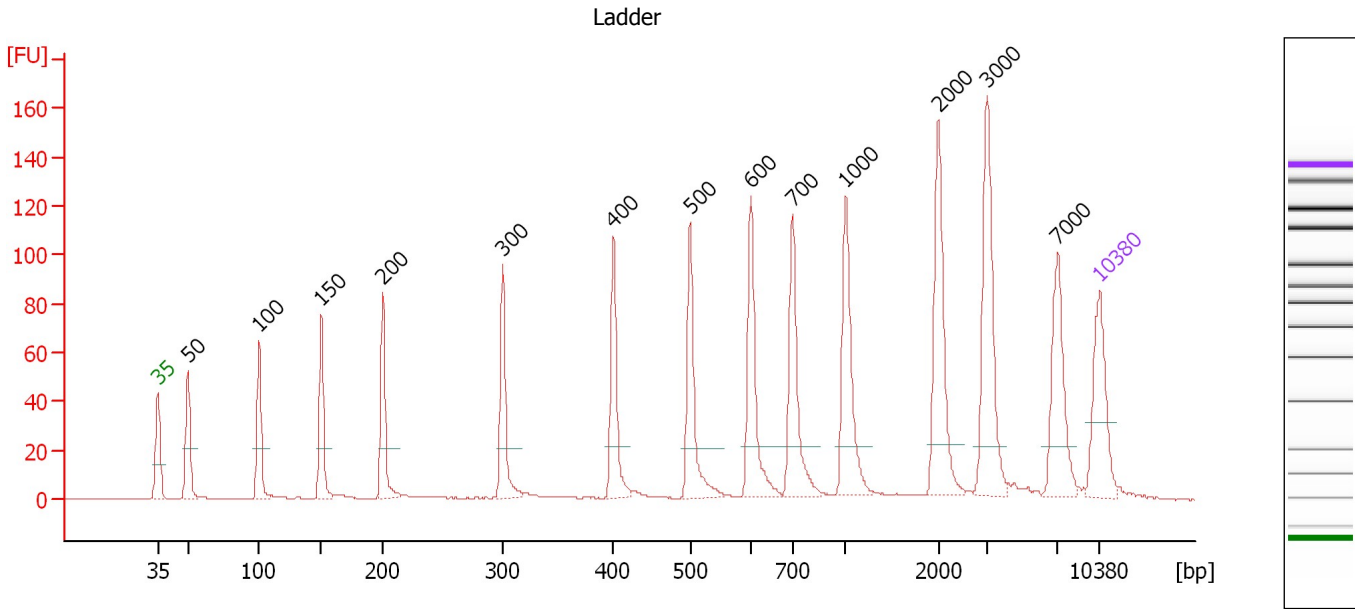
Ladder

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\2015-06-15\2015-06-15_002_HiSeq100_MPLibs_2.xad

Created: 6/15/2015 3:52:55 PM
 Modified: 6/15/2015 4:38:30 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

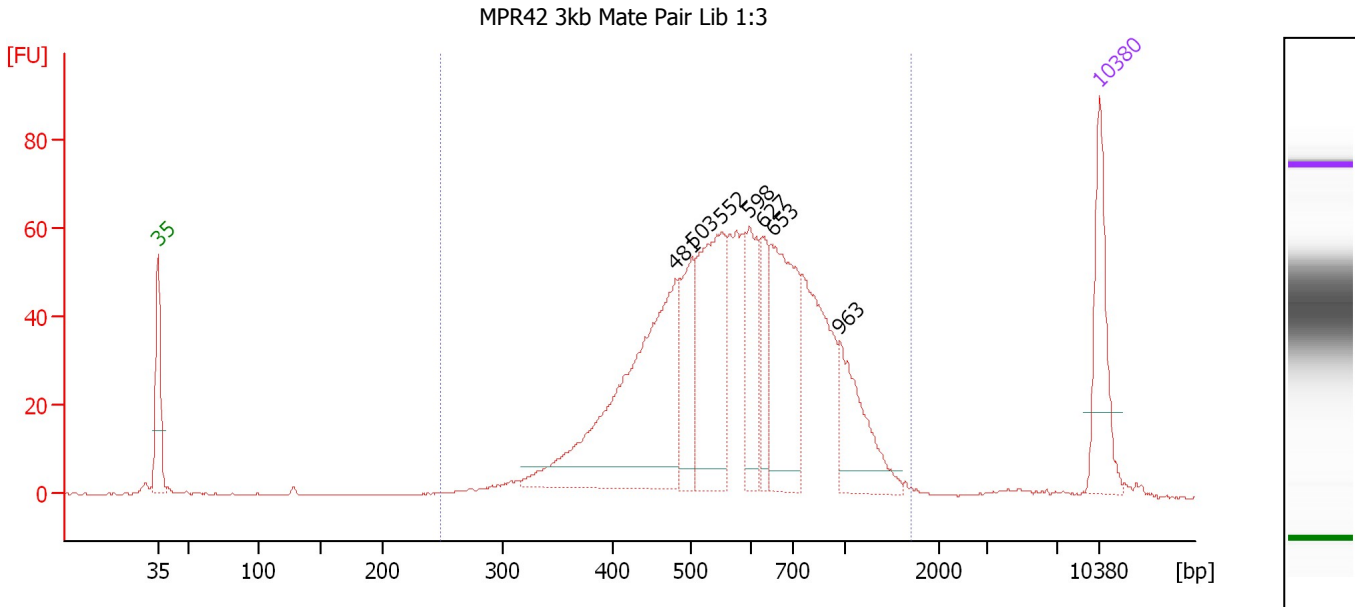
Peak table for Ladder

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	45.22
3	100	150.00	2,272.7	Ladder Peak	50.56
4	150	150.00	1,515.2	Ladder Peak	55.15
5	200	150.00	1,136.4	Ladder Peak	59.70
6	300	150.00	757.6	Ladder Peak	68.64
7	400	150.00	568.2	Ladder Peak	76.84
8	500	150.00	454.5	Ladder Peak	82.57
9	600	150.00	378.8	Ladder Peak	87.06
10	700	150.00	324.7	Ladder Peak	90.13
11	1,000	150.00	227.3	Ladder Peak	94.13
12	2,000	150.00	113.6	Ladder Peak	101.00
13	3,000	150.00	75.8	Ladder Peak	104.60
14	7,000	150.00	32.5	Ladder Peak	109.89
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPLibs_2.xad

Created: 6/15/2015 3:52:55 PM
 Modified: 6/15/2015 4:38:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : MPR42 3kb Mate Pair Lib 1:3

Number of peaks found: 7 Corr. Area 1: 1,153.3
 Noise: 0.1

Peak table for sample 2 : MPR42 3kb Mate Pair Lib 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	481	369.98	1,165.4		81.48
3	503	93.76	282.4		82.70
4	552	194.10	533.2		84.89
5	598	78.11	197.9		86.97
6	627	52.13	126.0		87.89
7	653	171.70	398.1		88.70
8	963	91.03	143.3		93.63
9	10,380	75.00	10.9	Upper Marker	113.00

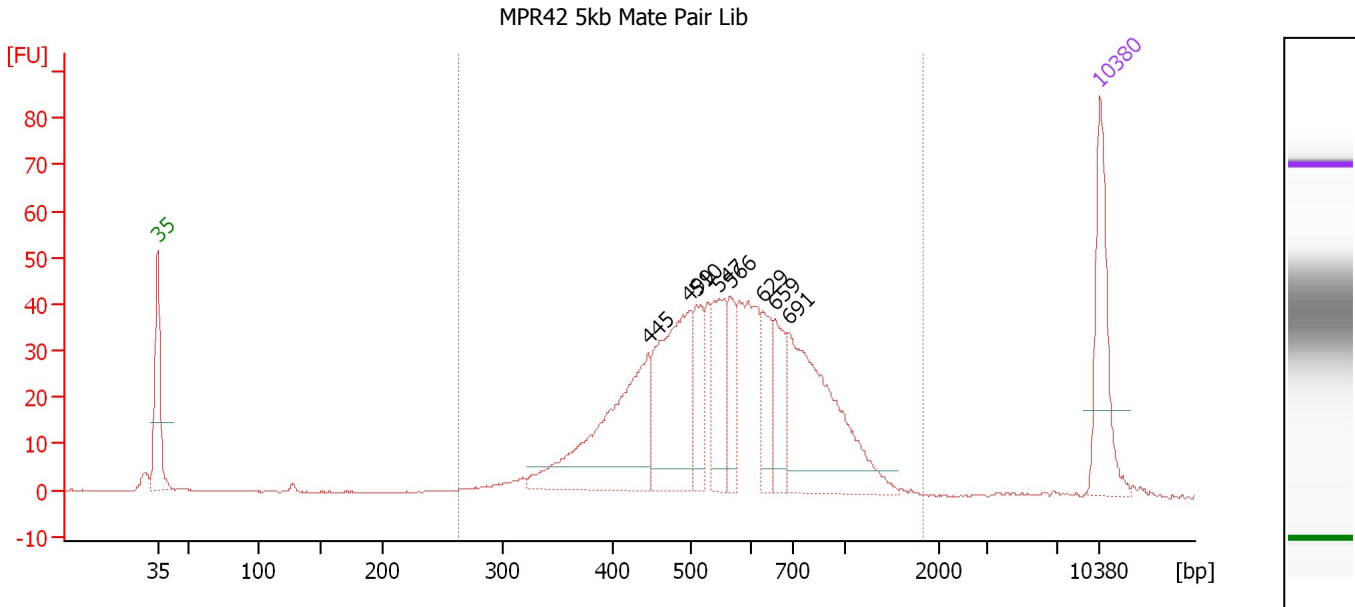
Region table for sample 2 : MPR42 3kb Mate Pair Lib 1:3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
248	625	1,699	1,153.3	4,016.0	97	35.4	1,447.69

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPLibs_2.xad

Created: 6/15/2015 3:52:55 PM
 Modified: 6/15/2015 4:38:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : MPR42 5kb Mate Pair Lib

Number of peaks found: 8 Corr. Area 1: 793.1
 Noise: 0.1

Peak table for sample 4 : MPR42 5kb Mate Pair Lib

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	445	206.43	702.7		79.42
3	499	171.84	521.4		82.53
4	510	54.30	161.4		83.01
5	547	73.33	203.0		84.69
6	566	42.41	113.5		85.54
7	629	46.18	111.2		87.96
8	659	48.78	112.2		88.86
9	691	204.77	448.8		89.86
10	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : MPR42 5kb Mate Pair Lib

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
263	597	1,838	793.1	2,998.9	98	34.0	1,048.61

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...Bioanalyzer\2015-06-15\2015-06-15_002_HiSeq100_MPlibs_2.xad

Created: 6/15/2015 3:52:55 PM
Modified: 6/15/2015 4:38:30 PM

Gel Image

